

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025033.D
 Acq On : 28 Jun 2018 20:20
 Operator : MD/SY
 Sample : J3663-04MSD
 Misc : 6.51g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:41 PM

Quant Time: Jun 29 07:38:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	210890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	330266	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	324102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	203140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	143162	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	
35) Dibromofluoromethane	4.89	113	117623	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
50) Toluene-d8	7.57	98	400490	40.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.12%	
62) 4-Bromofluorobenzene	10.32	95	182222	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	103747	39.30	ug/l	99
3) Chloromethane	1.32	50	115580	42.86	ug/l	100
4) Vinyl Chloride	1.40	62	126477	45.48	ug/l	100
5) Bromomethane	1.60	94	39569	29.43	ug/l	100
6) Chloroethane	1.66	64	45179	28.62	ug/l	100
7) Trichlorofluoromethane	1.82	101	166436	39.21	ug/l	97
8) Diethyl Ether	2.10	74	79608	55.31	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.25	101	117155	44.49	ug/l	97
10) Methyl Iodide	2.38	142	119045	53.06	ug/l	100
11) Tert butyl alcohol	2.83	59	15285	18.25	ug/l #	72
12) 1,1-Dichloroethene	2.25	96	113474	47.26	ug/l	96
13) Acrolein	2.20	56	36910	83.94	ug/l	96
14) Allyl chloride	2.57	41	204279	45.82	ug/l	89
15) Acrylonitrile	2.95	53	427408	262.36	ug/l	99
16) Acetone	2.35	43	416738	225.28	ug/l	100
17) Carbon Disulfide	2.44	76	323446	42.07	ug/l	99
18) Methyl Acetate	2.62	43	252629	63.70	ug/l	100
19) Methyl tert-butyl Ether	3.01	73	455644	50.48	ug/l	98
20) Methylene Chloride	2.69	84	136180	46.92	ug/l	96
21) trans-1,2-Dichloroethene	2.96	96	127856	48.34	ug/l	95
22) Diisopropyl ether	3.58	45	430389	48.70	ug/l	94
23) Vinyl Acetate	3.53	43	1836762	231.99	ug/l	98
24) 1,1-Dichloroethane	3.44	63	245357	48.26	ug/l	99
25) 2-Butanone	4.28	43	598010	240.67	ug/l	96
26) 2,2-Dichloropropane	4.22	77	193597	40.10	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	156325	51.41	ug/l	96
28) Bromochloromethane	4.55	49	88714	39.61	ug/l	83
29) Tetrahydrofuran	4.65	42	386580	251.24	ug/l	96
30) Chloroform	4.68	83	258565	50.24	ug/l	99
31) Cyclohexane	4.99	56	218872	48.41	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	234647	49.31	ug/l	96
36) 1,1-Dichloropropene	5.13	75	183749	47.35	ug/l	97
37) Ethyl Acetate	4.39	43	235401	55.65	ug/l	98
38) Carbon Tetrachloride	5.13	117	205205	48.08	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	222021	45.84	ug/l	95
40) Benzene	5.39	78	546388	49.41	ug/l	99
41) Methacrylonitrile	4.55	41	117140	51.36	ug/l	95
42) 1,2-Dichloroethane	5.41	62	221080	52.49	ug/l	100
43) Isopropyl Acetate	5.56	43	353962	48.41	ug/l	98
44) Trichloroethene	6.18	130	152253	48.38	ug/l	94
45) 1,2-Dichloropropane	6.44	63	145953	49.46	ug/l	97
46) Dibromomethane	6.56	93	105078	50.70	ug/l	93
47) Bromodichloromethane	6.76	83	199211	48.27	ug/l	99
48) Methyl methacrylate	6.63	41	185251	52.03	ug/l	99
49) 1,4-Dioxane	6.64	88	83797	1203.53	ug/l	95
51) 4-Methyl-2-Pentanone	7.48	43	1212505	263.96	ug/l	98
52) Toluene	7.64	92	359593	50.54	ug/l	100
53) t-1,3-Dichloropropene	7.89	75	225446	48.64	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	234587	47.50	ug/l	98
55) 1,1,2-Trichloroethane	8.08	97	153939	53.23	ug/l	99
56) Ethyl methacrylate	8.03	69	249012	51.44	ug/l	98
57) 1,3-Dichloropropane	8.25	76	255939	52.46	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	1053	0.57	ug/l #	50
59) 2-Hexanone	8.38	43	977871	260.76	ug/l	98
60) Dibromochloromethane	8.49	129	177850	49.32	ug/l	98
61) 1,2-Dibromoethane	8.59	107	168095	52.22	ug/l	99
64) Tetrachloroethene	8.23	164	146445	47.54	ug/l	98
65) Chlorobenzene	9.13	112	483283	58.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.22	131	160180	50.92	ug/l	98
67) Ethyl Benzene	9.26	91	723373	49.84	ug/l	98
68) m/p-Xylenes	9.38	106	560831	100.62	ug/l	98
69) o-Xylene	9.79	106	280607	50.87	ug/l	97
70) Styrene	9.80	104	463370	51.12	ug/l	99
71) Bromoform	9.97	173	147674	49.39	ug/l #	99
73) Isopropylbenzene	10.17	105	763575	48.96	ug/l	99
74) N-amyl acetate	10.02	43	352618	47.53	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.47	83	267125	51.11	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	239328m	53.51	ug/l	
77) Bromobenzene	10.46	156	203938	51.65	ug/l	95
78) n-propylbenzene	10.59	91	875035	47.63	ug/l	98
79) 2-Chlorotoluene	10.67	91	534773	49.36	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	662448	49.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	88969m	46.04	ug/l	
82) 4-Chlorotoluene	10.78	91	619954	49.16	ug/l	99
83) tert-Butylbenzene	11.11	119	662518	50.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.16	105	691599	50.20	ug/l	100
85) sec-Butylbenzene	11.33	105	795471	48.87	ug/l	97
86) p-Isopropyltoluene	11.48	119	707514	48.53	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	392713	53.84	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	424541	57.82	ug/l	99
89) n-Butylbenzene	11.90	91	574714	44.41	ug/l	96
90) Hexachloroethane	12.15	117	130564	45.91	ug/l	97
91) 1,2-Dichlorobenzene	11.89	146	749547	102.59	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	67301	46.67	ug/l	93

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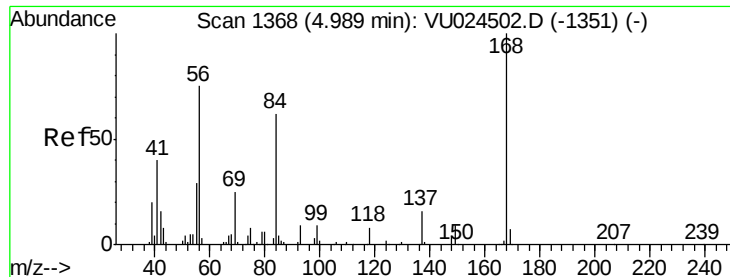
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	230922	51.18	ug/l	99
94) Hexachlorobutadiene	13.70	225	122646	48.29	ug/l	99
95) Naphthalene	13.74	128	779993	52.19	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	237250	52.77	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:168 Resp: 210890

Ion Ratio Lower Upper

168 100

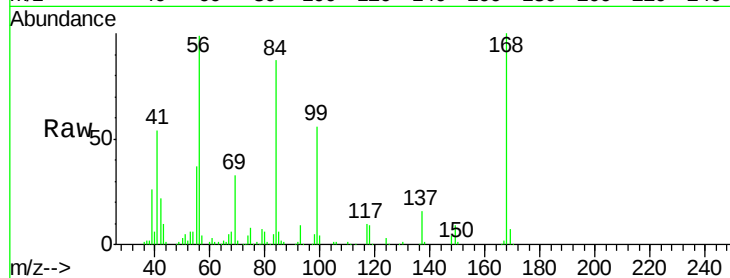
99 55.3 43.2 64.8

Manual Integrations

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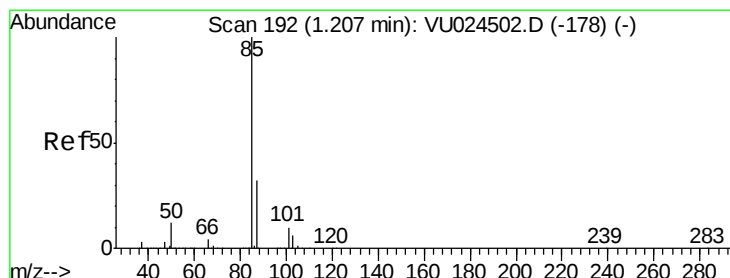
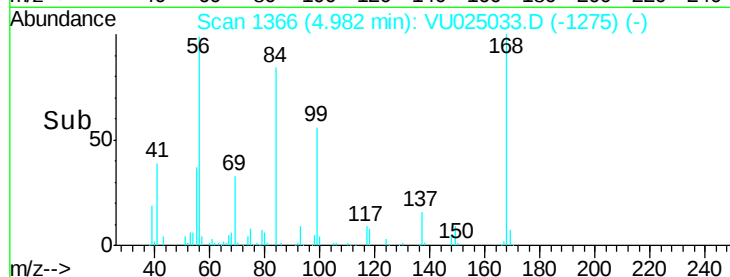
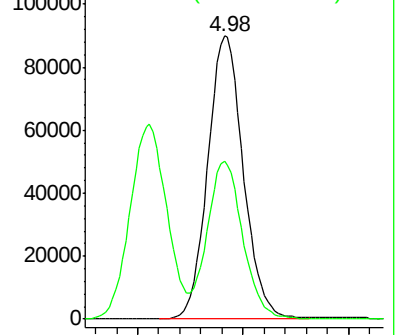
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 39.30 ug/l

RT: 1.20 min Scan# 190

Delta R.T. -0.01 min

Lab File: VU025033.D

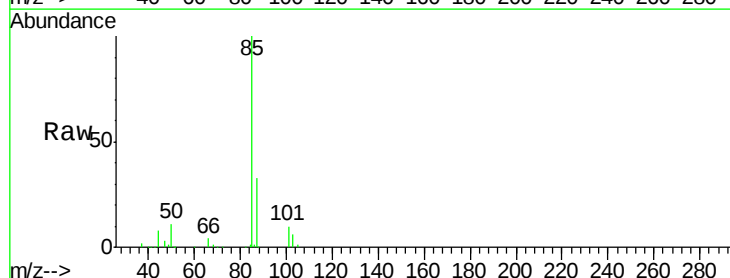
Acq: 28 Jun 2018 20:20

Tgt Ion: 85 Resp: 103747

Ion Ratio Lower Upper

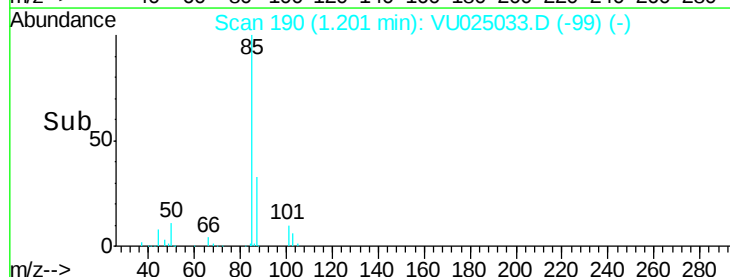
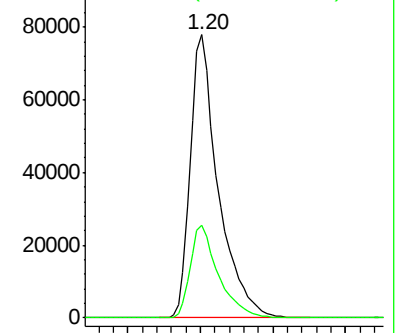
85 100

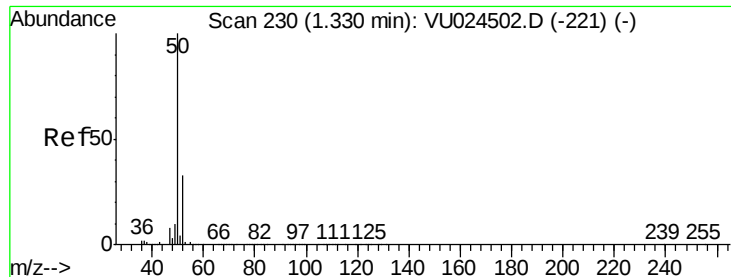
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 42.86 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 50 Resp: 115580

Ion Ratio Lower Upper

50 100

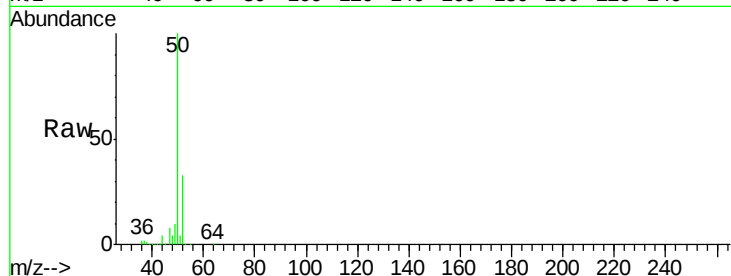
52 32.9 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.32

100000

80000

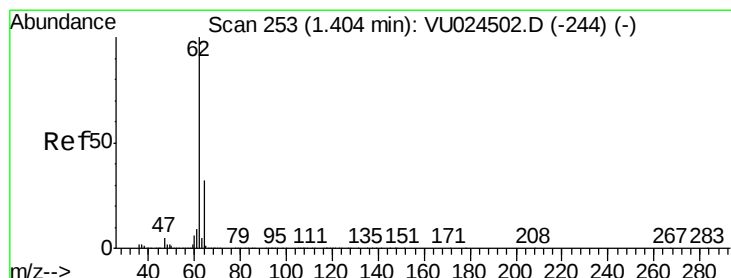
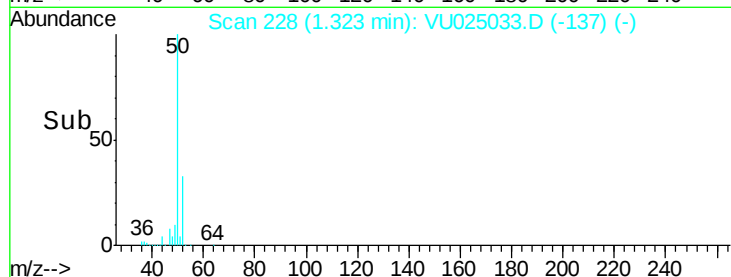
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.48 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025033.D

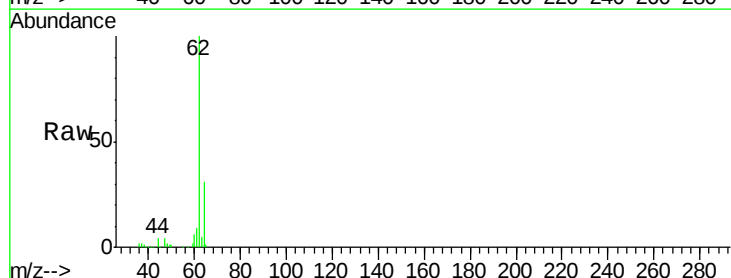
Acq: 28 Jun 2018 20:20

Tgt Ion: 62 Resp: 126477

Ion Ratio Lower Upper

62 100

64 30.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

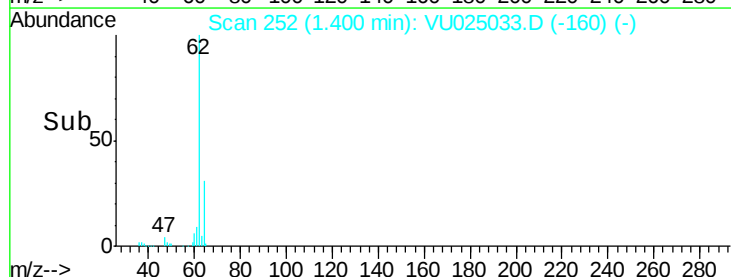
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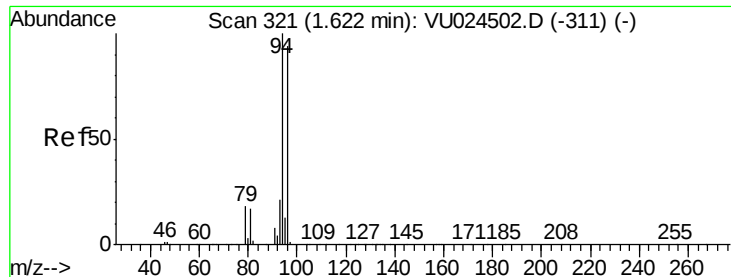
40000

20000

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Time-->





#5

Bromomethane

Concen: 29.43 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 94 Resp: 39569

Ion Ratio Lower Upper

94 100

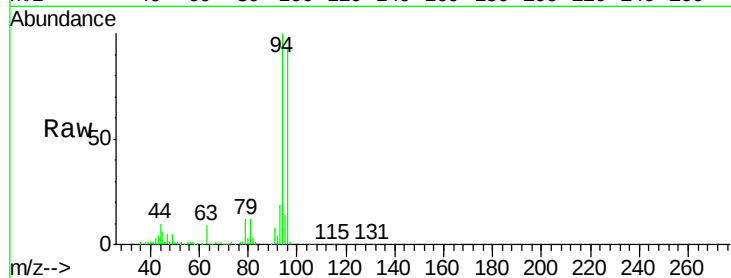
96 93.2 74.5 111.7

Manual Integrations

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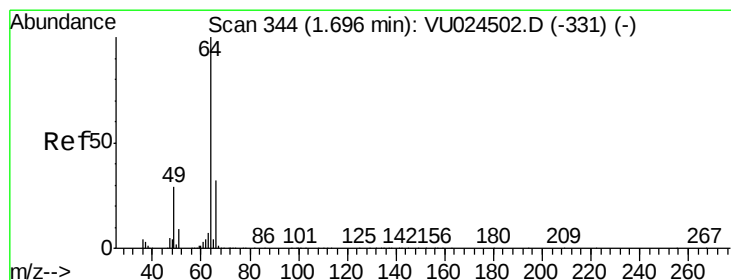
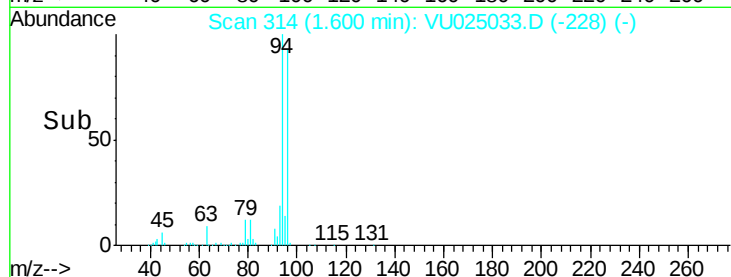
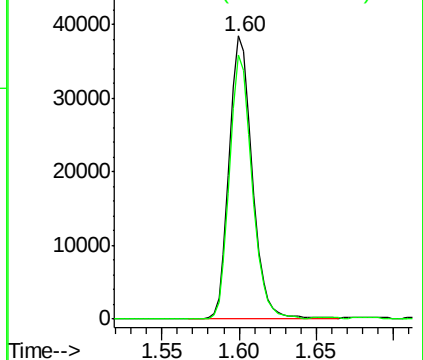
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 28.62 ug/l

RT: 1.66 min Scan# 333

Delta R.T. -0.04 min

Lab File: VU025033.D

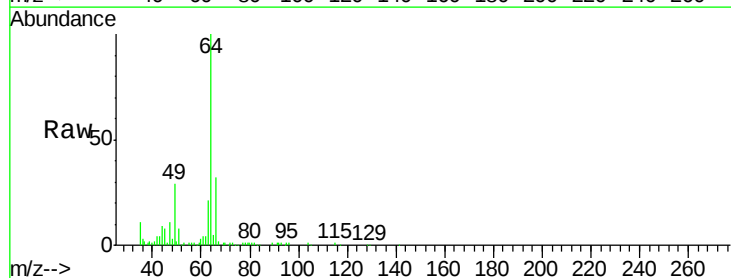
Acq: 28 Jun 2018 20:20

Tgt Ion: 64 Resp: 45179

Ion Ratio Lower Upper

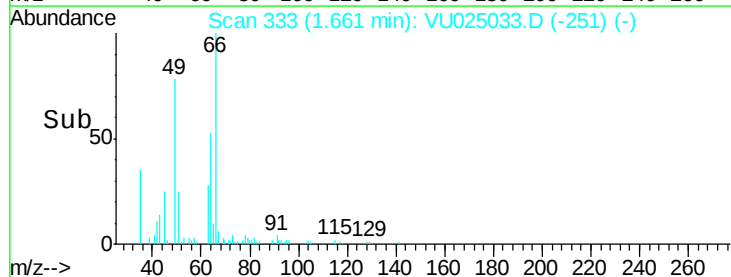
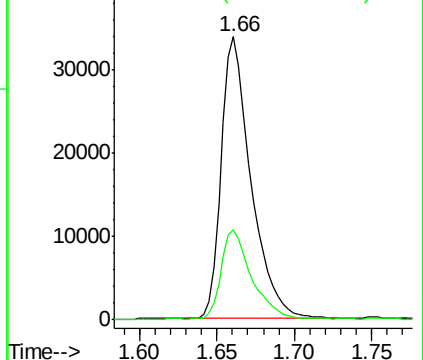
64 100

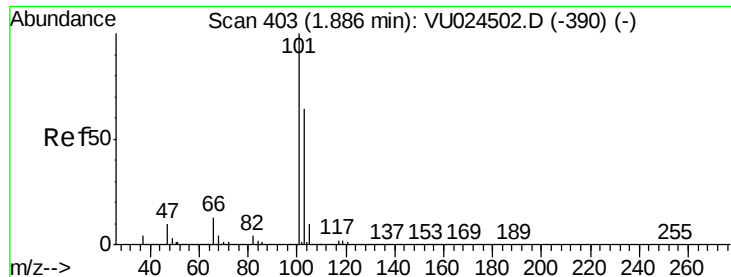
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

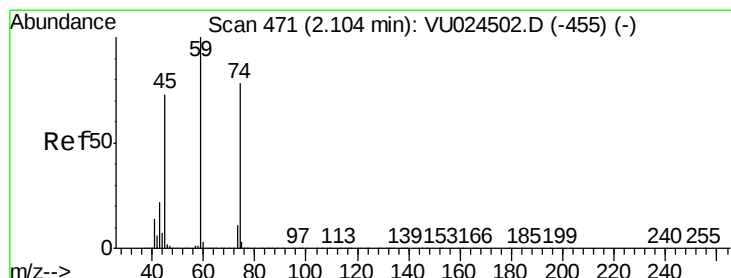
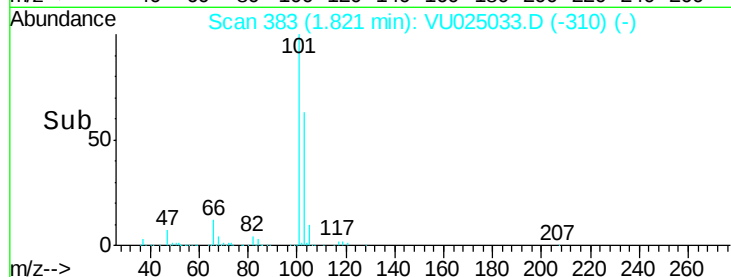
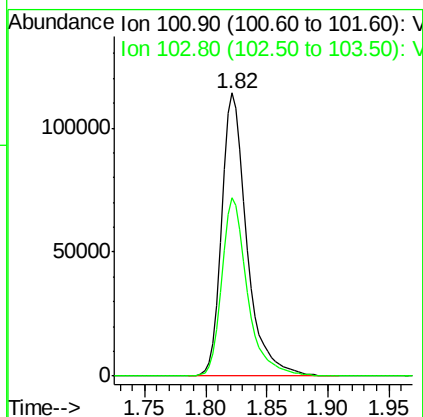
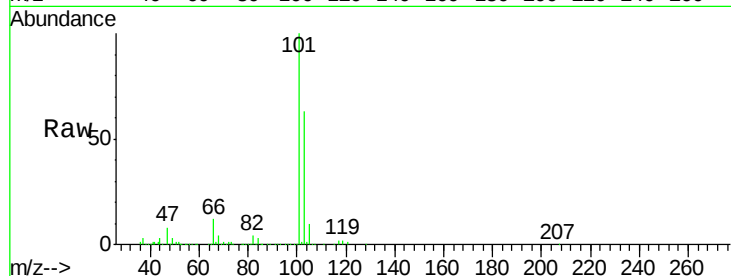
Trichlorofluoromethane
Concen: 39.21 ug/l
RT: 1.82 min Scan# 383
Delta R.T. -0.06 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

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WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	166436		
103	63.1	52.3	78.5	

Manual Integrations
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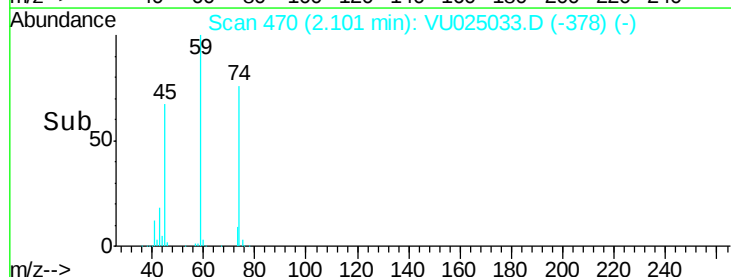
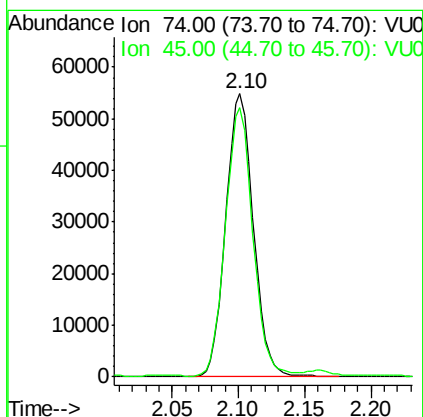
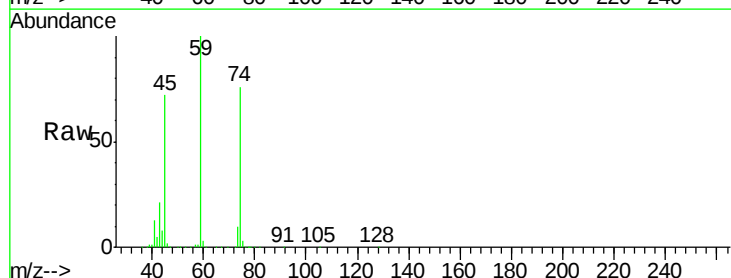
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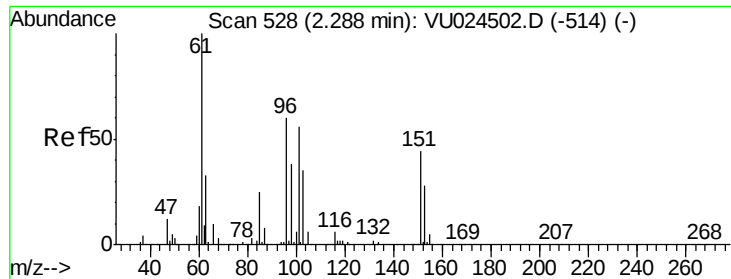


#8

Diethyl Ether
Concen: 55.31 ug/l
RT: 2.10 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79608		
45	94.2	55.0	165.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.49 ug/l

RT: 2.25 min Scan# 516

Delta R.T. -0.04 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

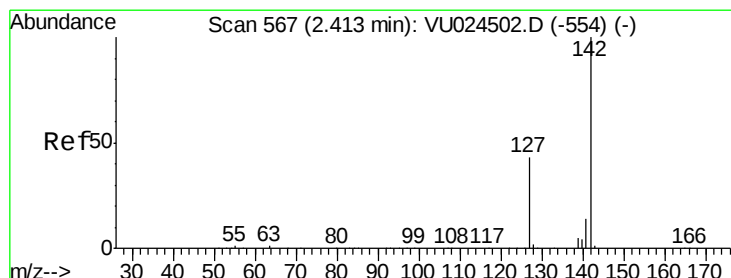
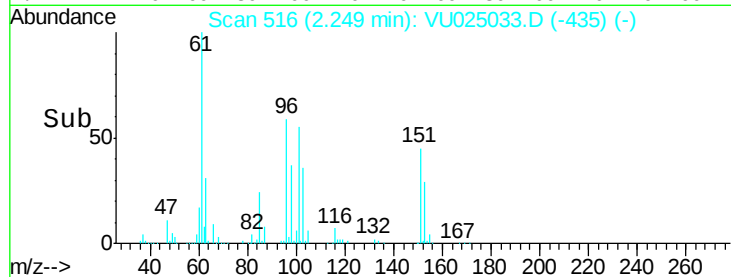
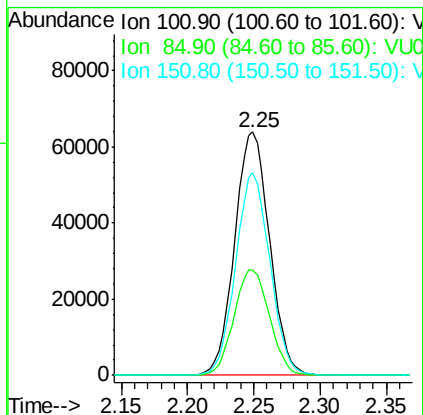
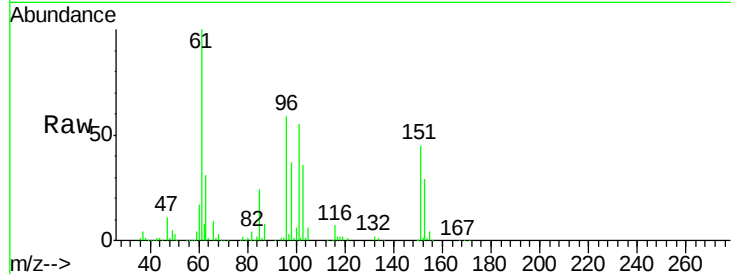
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	101	Resp:	117155
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	81.8	62.3	93.5

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#10

Methyl Iodide

Concen: 53.06 ug/l

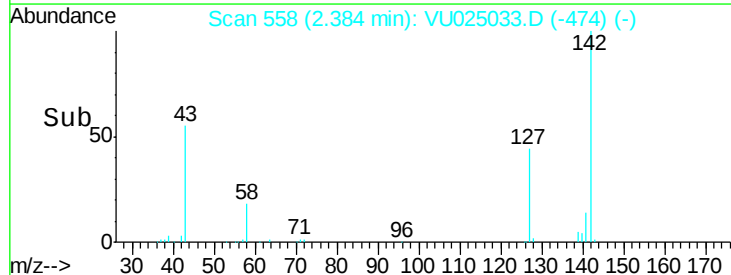
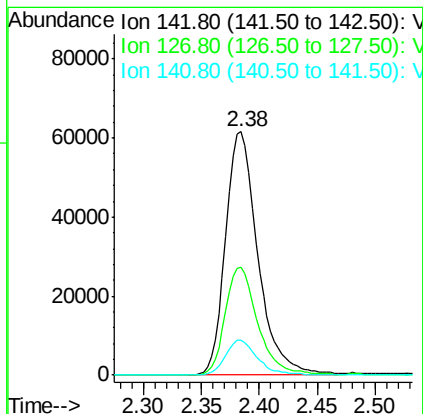
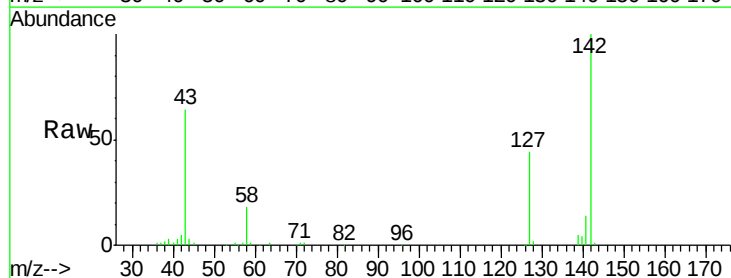
RT: 2.38 min Scan# 558

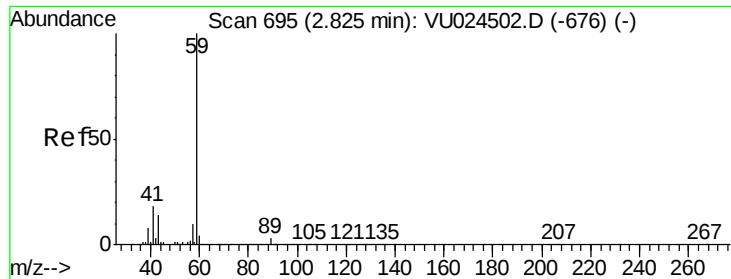
Delta R.T. -0.03 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	142	Resp:	119045
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.6	53.4
141	14.4	11.7	17.5





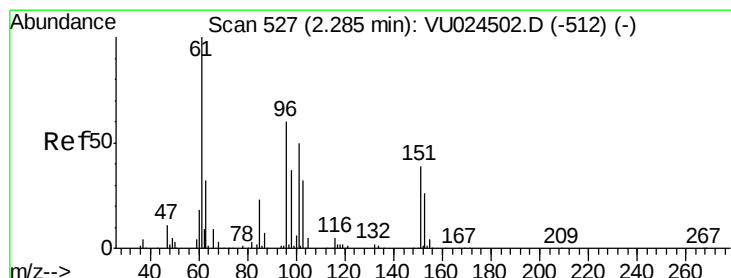
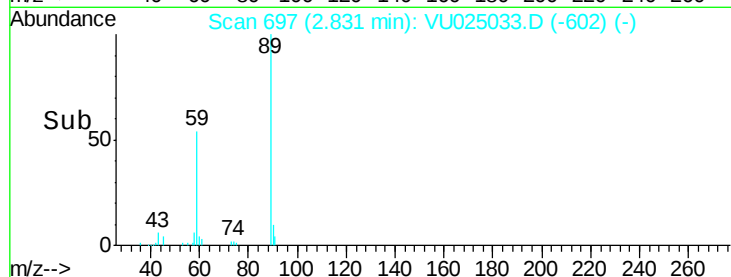
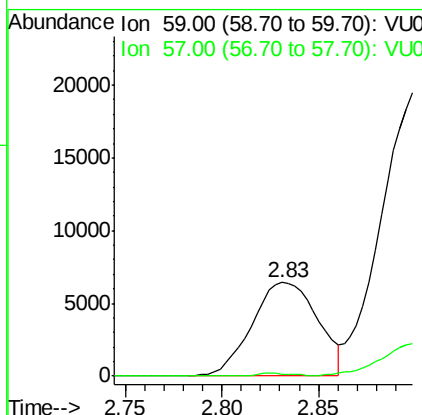
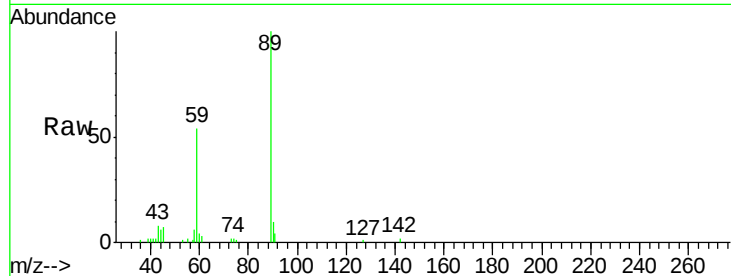
#11
Tert butyl alcohol
Concen: 18.25 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion: 59 Resp: 15285
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

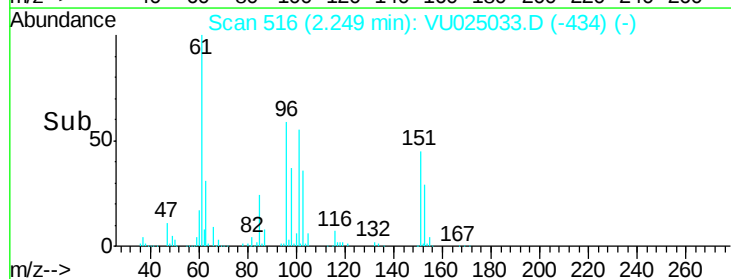
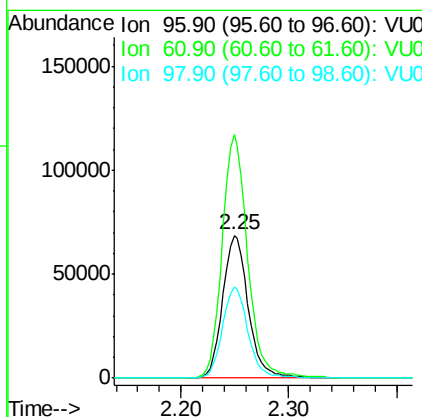
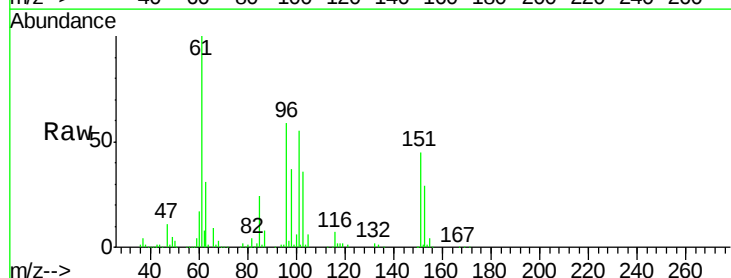
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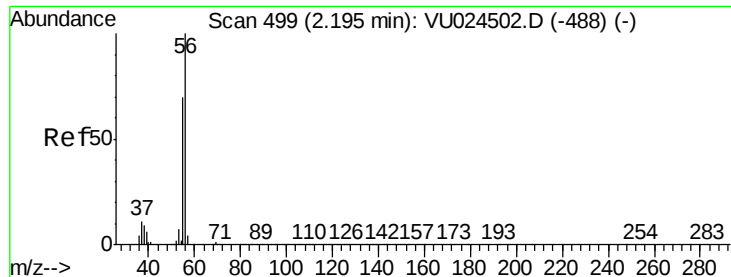
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.26 ug/l
RT: 2.25 min Scan# 516
Delta R.T. -0.04 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion: 96 Resp: 113474
Ion Ratio Lower Upper
96 100
61 170.4 141.7 212.5
98 63.5 51.6 77.4





#13

Acrolein

Concen: 83.94 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 56 Resp: 36910

Ion Ratio Lower Upper

56 100

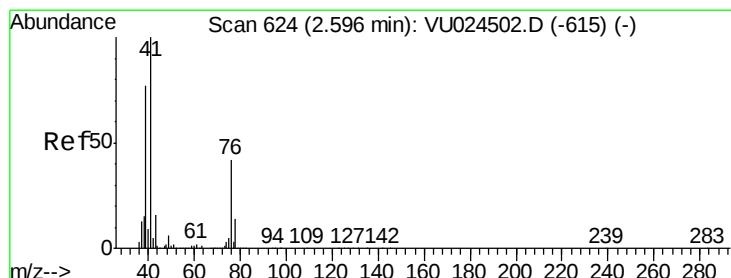
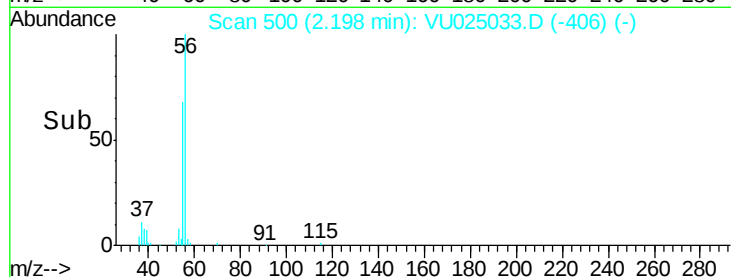
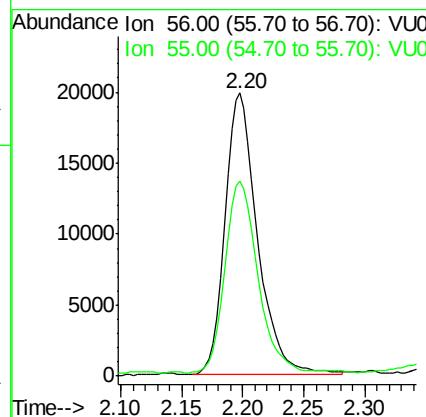
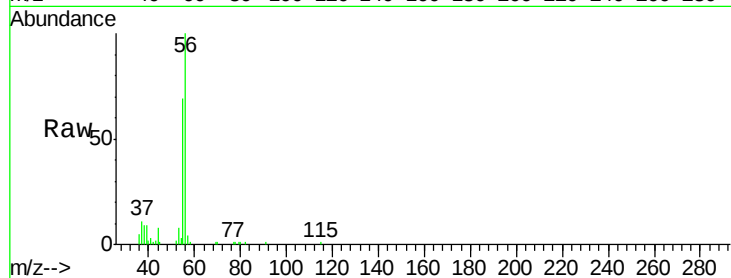
55 69.4 58.4 87.6

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#14

Allyl chloride

Concen: 45.82 ug/l

RT: 2.57 min Scan# 617

Delta R.T. -0.02 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

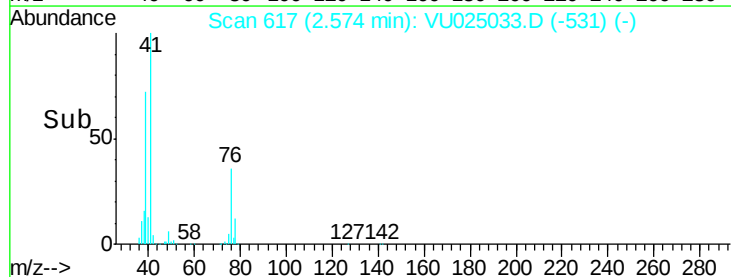
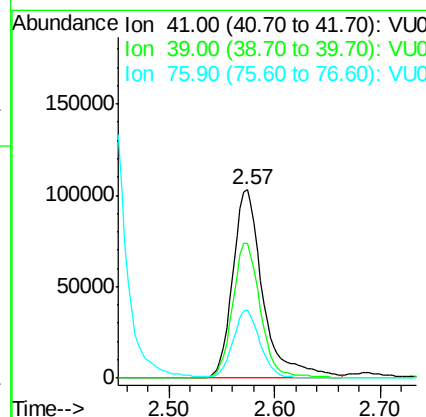
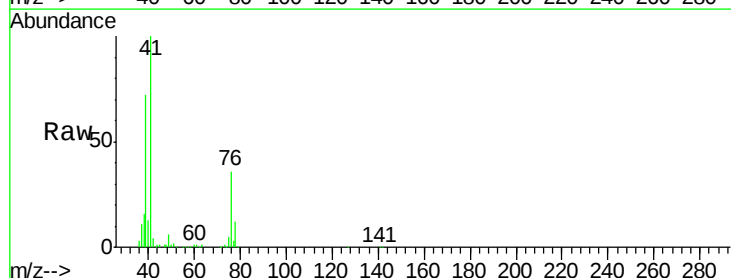
Tgt Ion: 41 Resp: 204279

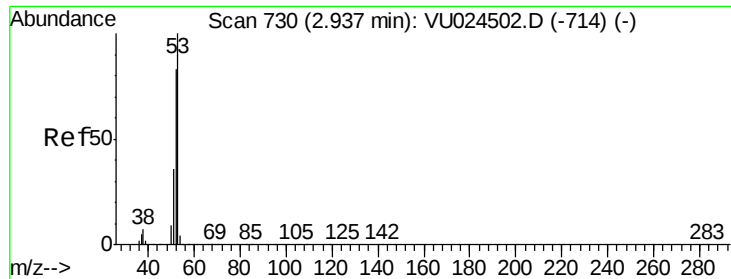
Ion Ratio Lower Upper

41 100

39 65.5 61.6 92.4

76 32.6 29.7 44.5





#15

Acrylonitrile

Concen: 262.36 ug/l

RT: 2.95 min Scan# 734

Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

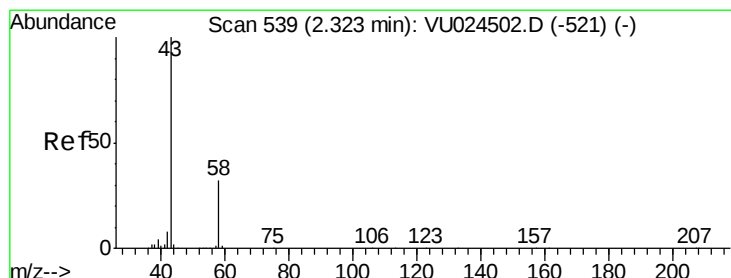
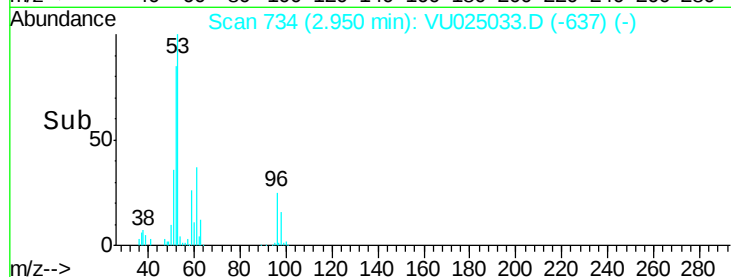
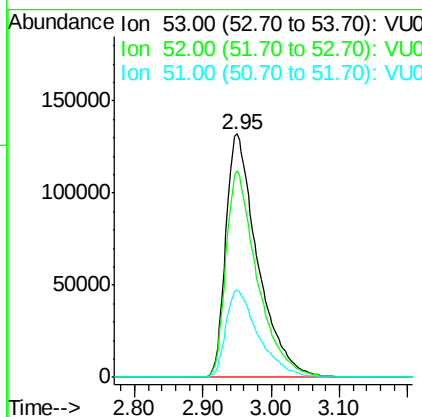
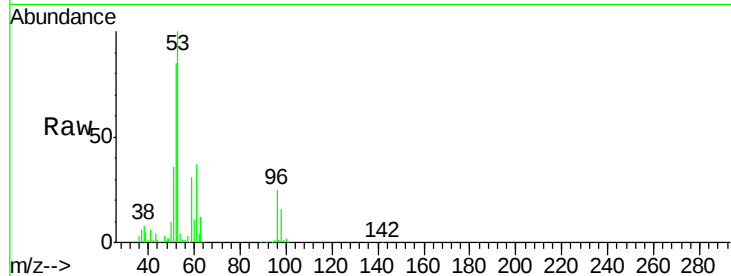
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	53	Resp:	427408
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.1	100.7
51	36.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 225.28 ug/l

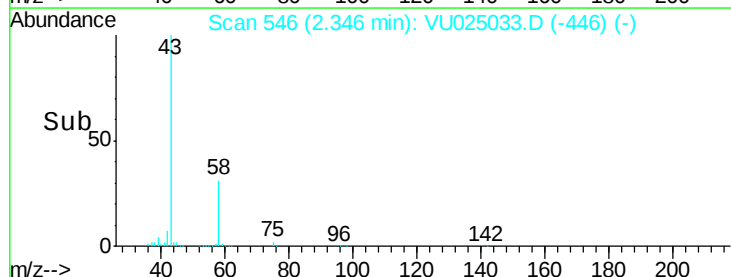
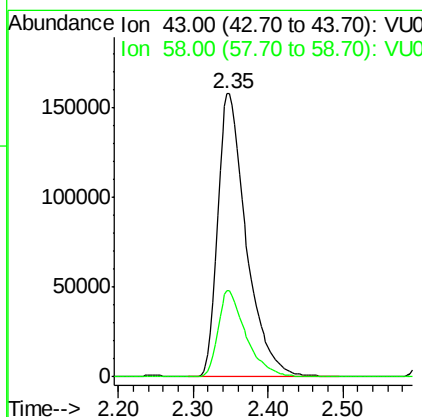
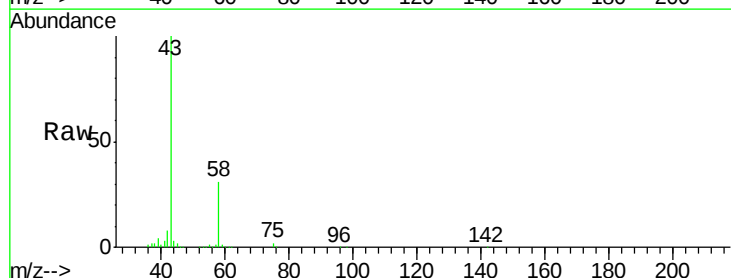
RT: 2.35 min Scan# 546

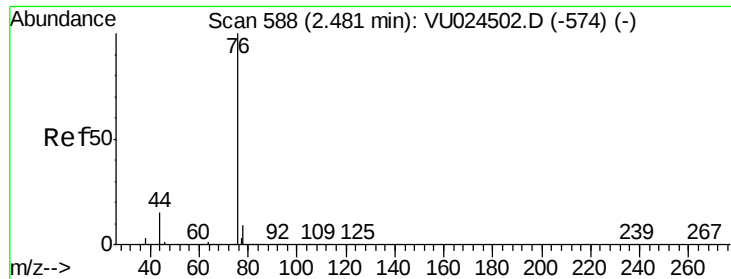
Delta R.T. 0.02 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	43	Resp:	416738
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.4	36.6





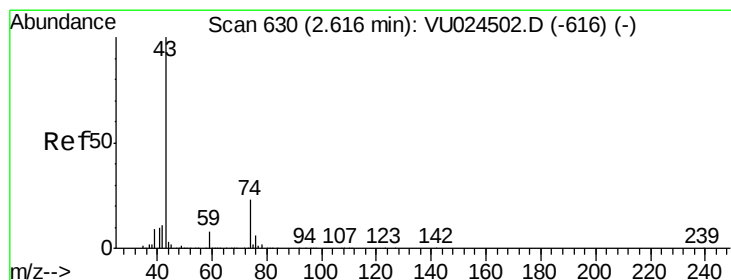
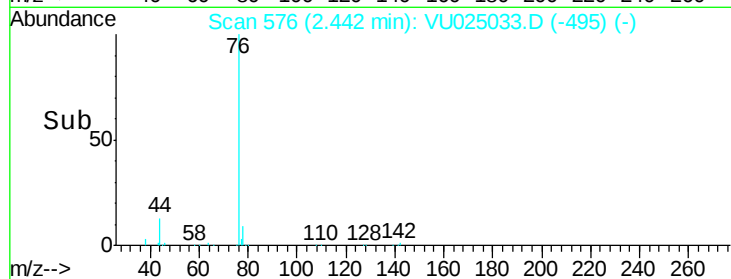
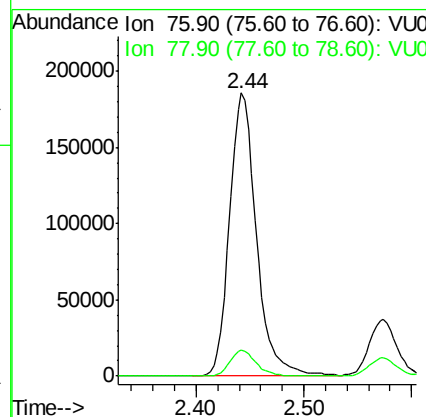
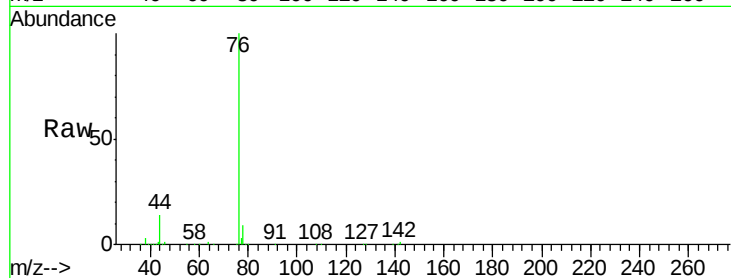
#17
Carbon Disulfide
Concen: 42.07 ug/l
RT: 2.44 min Scan# 576
Delta R.T. -0.04 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

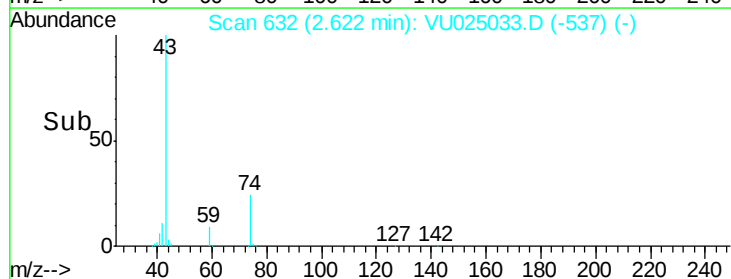
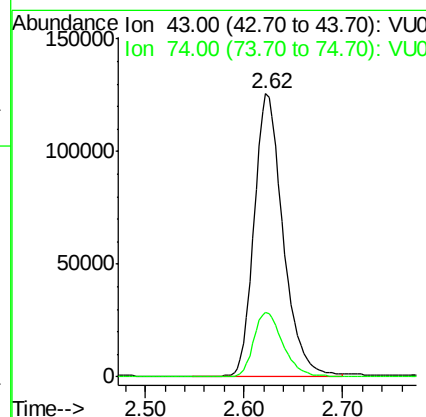
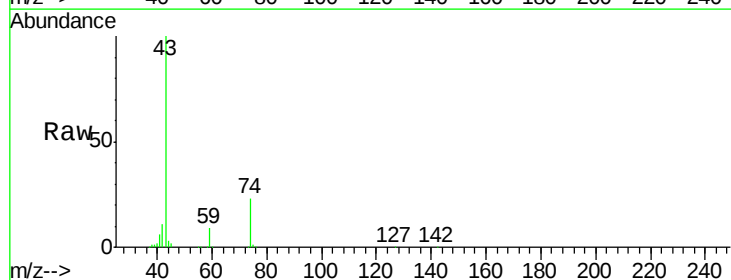
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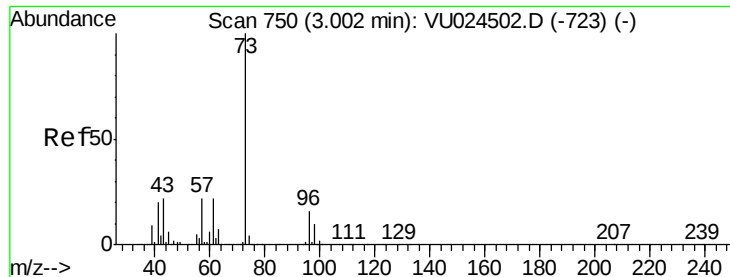
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#18
Methyl Acetate
Concen: 63.70 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.0	27.0





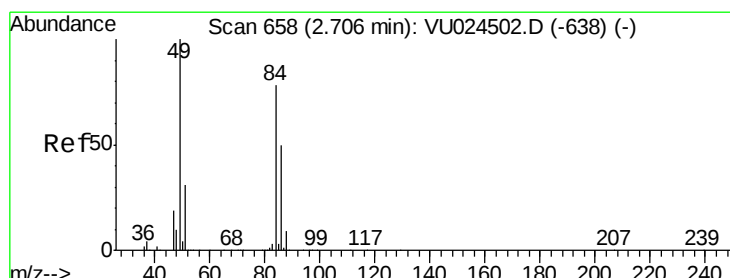
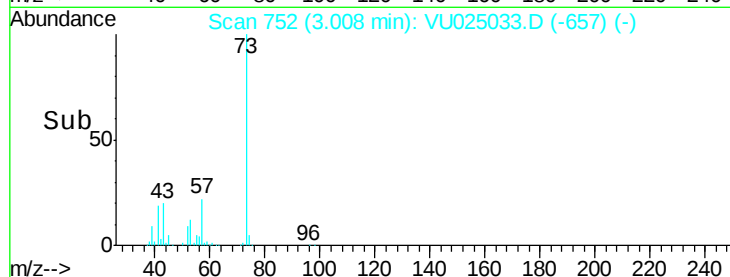
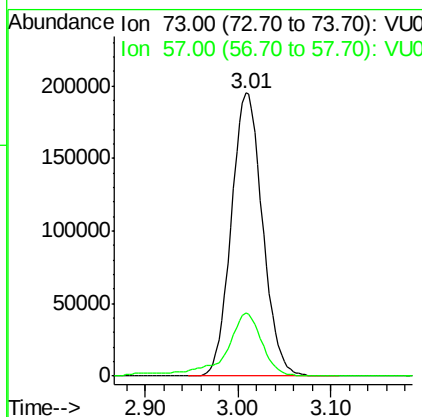
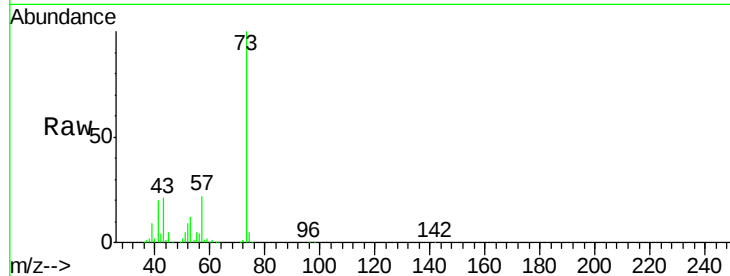
#19
Methvl tert-butvl Ether
Concen: 50.48 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion: 73 Resp: 455644
Ion Ratio Lower Upper
73 100
57 22.5 18.8 28.2

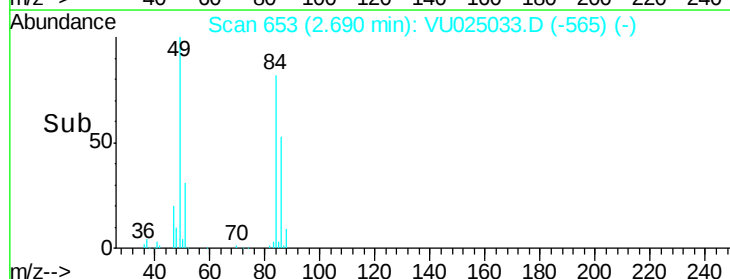
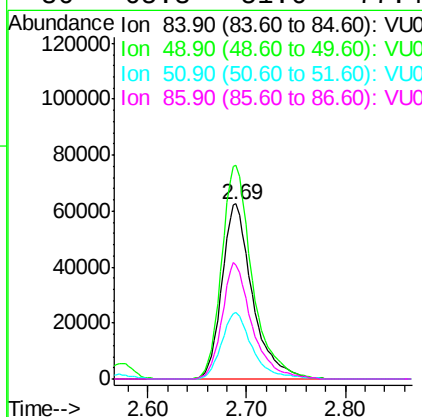
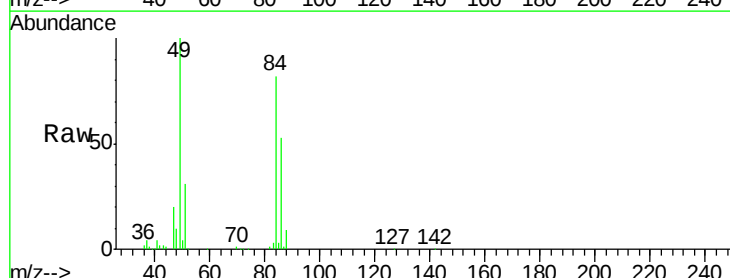
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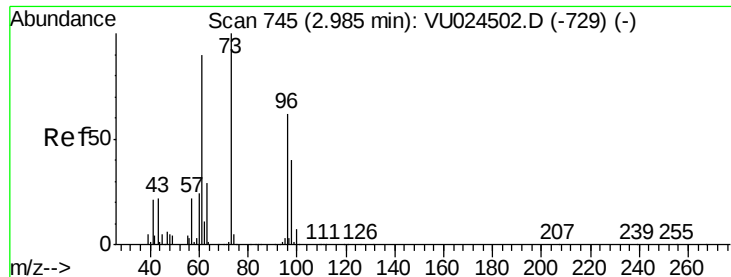
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#20
Methylene Chloride
Concen: 46.92 ug/l
RT: 2.69 min Scan# 653
Delta R.T. -0.02 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion: 84 Resp: 136180
Ion Ratio Lower Upper
84 100
49 122.2 103.8 155.8
51 38.0 32.0 48.0
86 65.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.34 ug/l

RT: 2.96 min Scan# 738

Delta R.T. -0.02 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

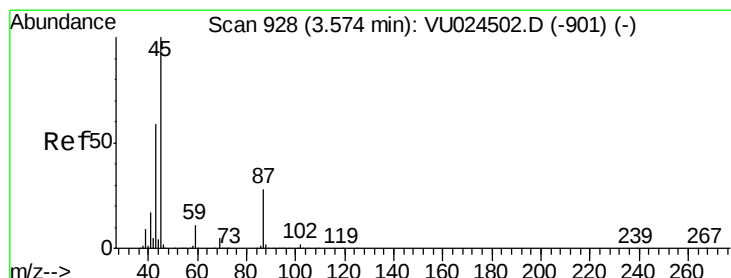
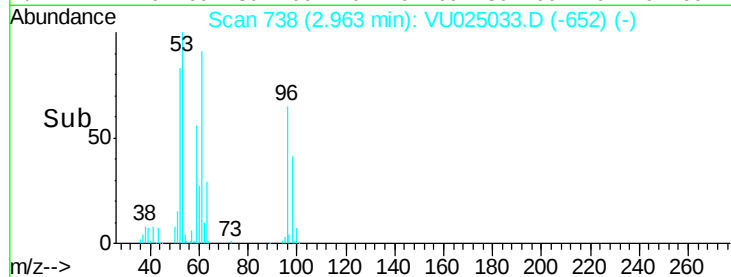
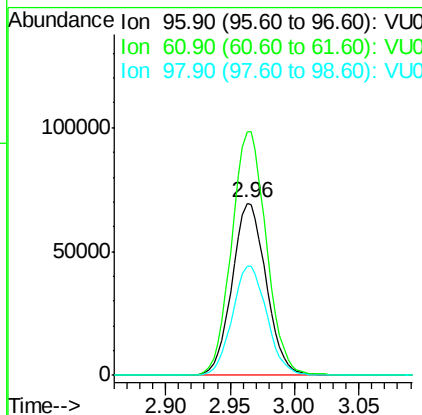
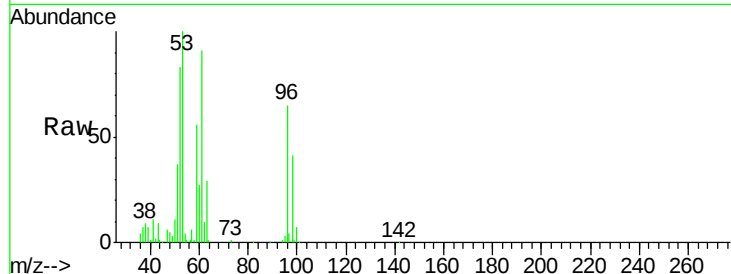
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	96	Resp:	127856
Ion Ratio	Lower	Upper	
96	100		
61	141.0	119.4	179.0
98	63.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 48.70 ug/l

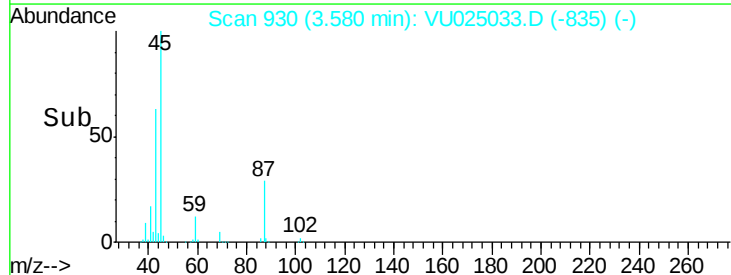
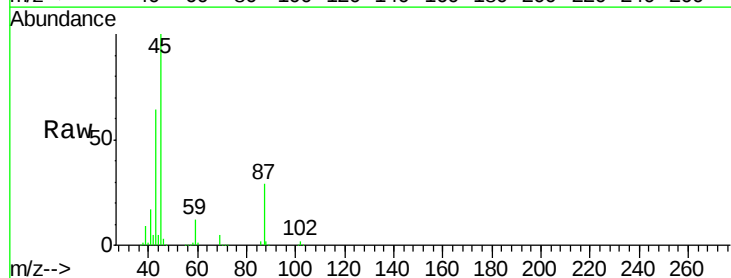
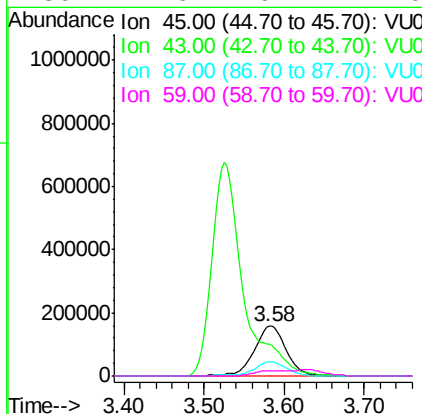
RT: 3.58 min Scan# 930

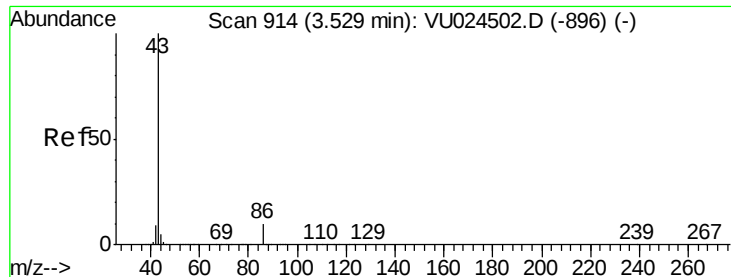
Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	45	Resp:	430389
Ion Ratio	Lower	Upper	
45	100		
43	62.4	45.8	68.6
87	29.1	20.6	31.0
59	11.6	9.4	14.0





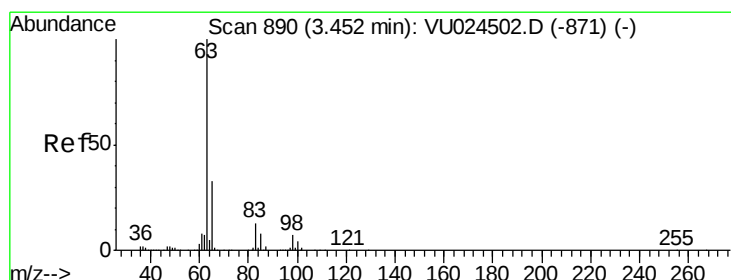
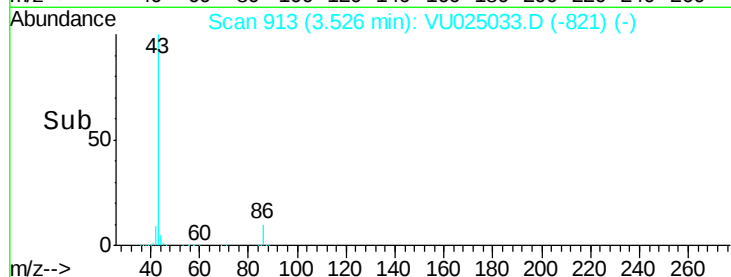
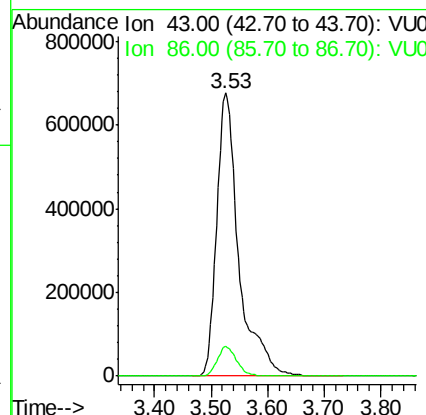
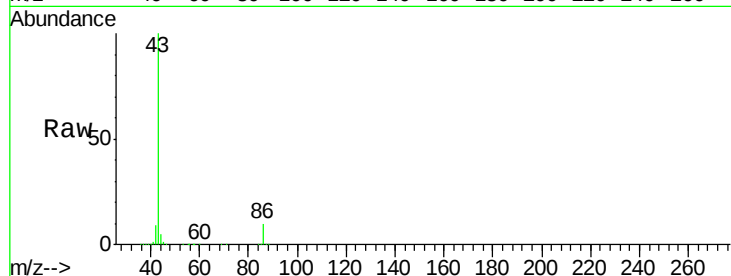
#23
 Vinyl Acetate
 Concen: 231.99 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 1836762
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.8 11.8

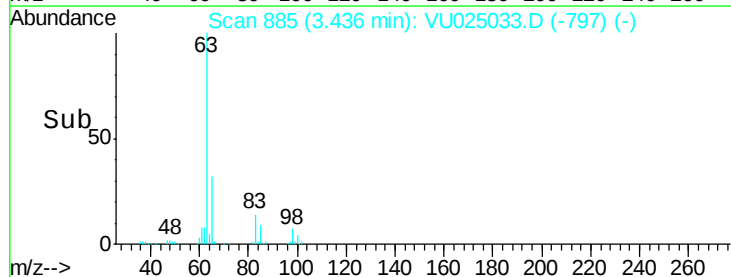
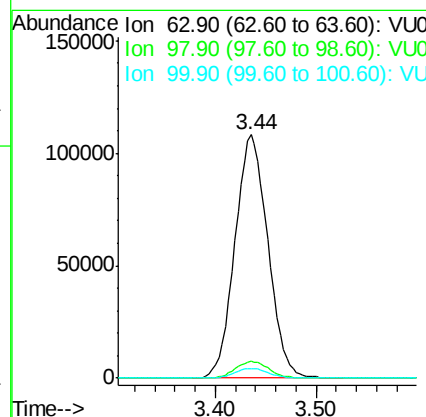
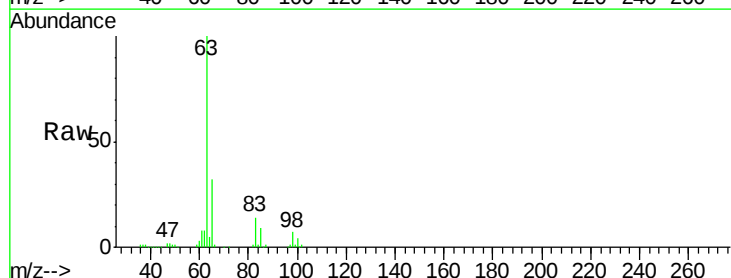
Manual Integrations
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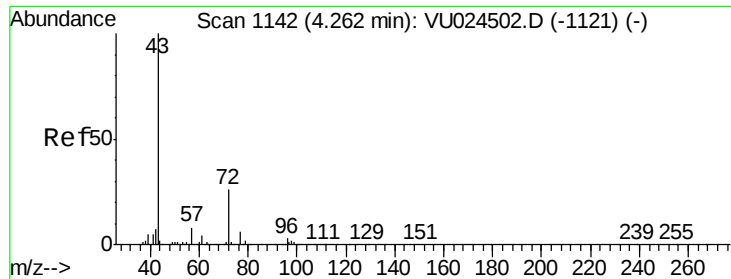
MMDadoda
 6/29/2018 4:23:41 PM



#24
 1,1-Dichloroethane
 Concen: 48.26 ug/l
 RT: 3.44 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion: 63 Resp: 245357
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.4
 100 4.0 1.8 5.5





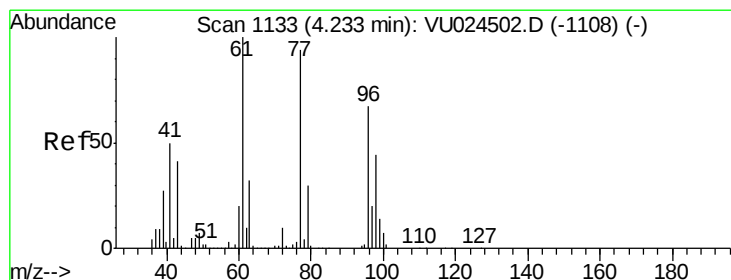
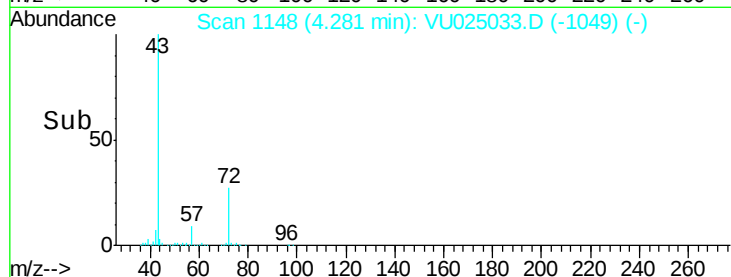
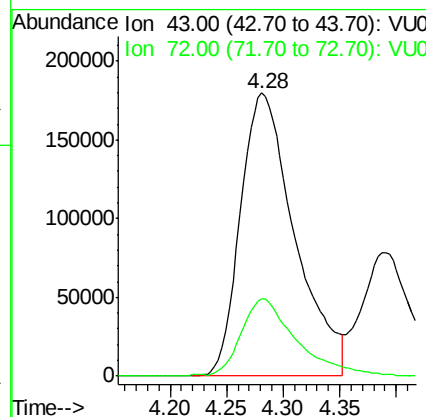
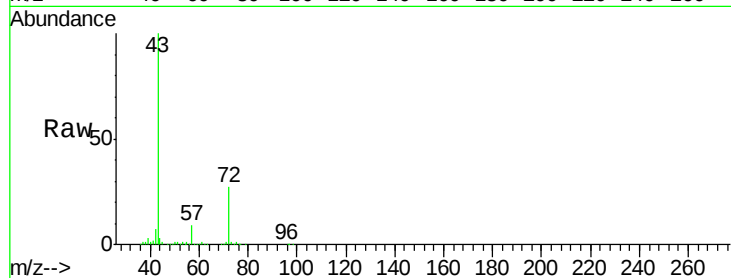
#25
2-Butanone
Concen: 240.67 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 598010
Ion Ratio Lower Upper
43 100
72 26.7 19.6 29.4

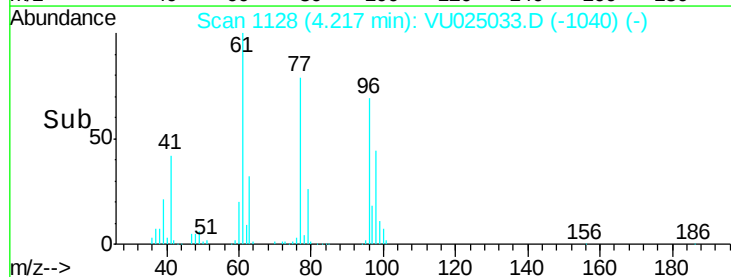
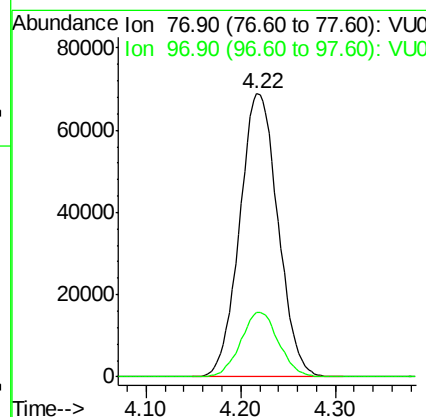
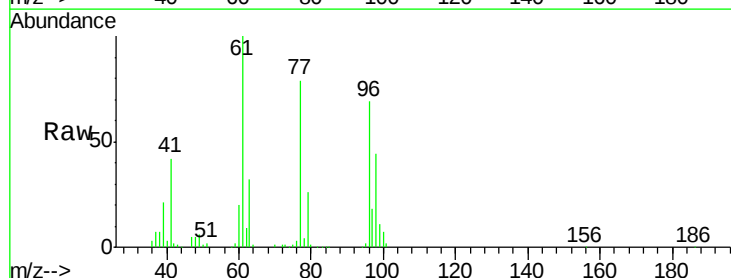
Manual Integrations
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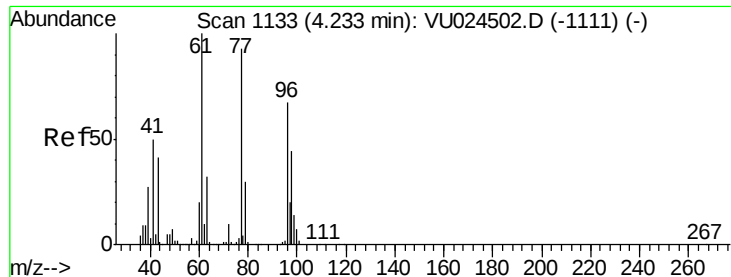
MMDadoda
6/29/2018 4:23:41 PM



#26
2,2-Dichloropropane
Concen: 40.10 ug/l
RT: 4.22 min Scan# 1128
Delta R.T. -0.02 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion: 77 Resp: 193597
Ion Ratio Lower Upper
77 100
97 22.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 51.41 ug/l

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

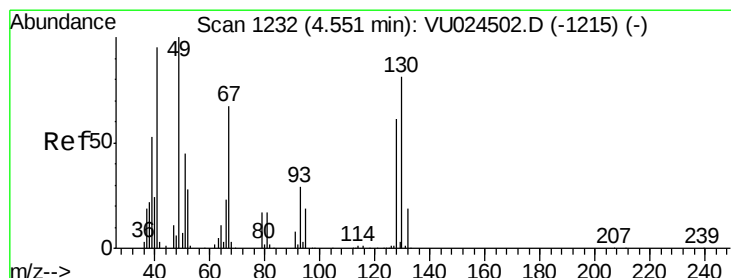
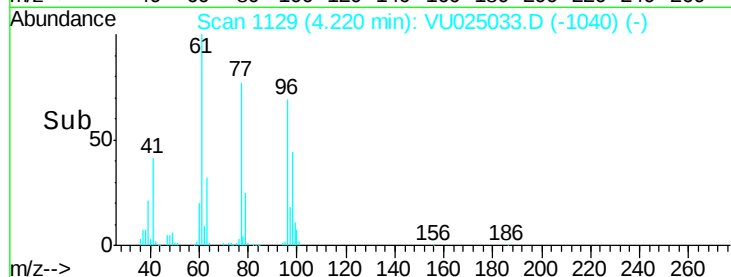
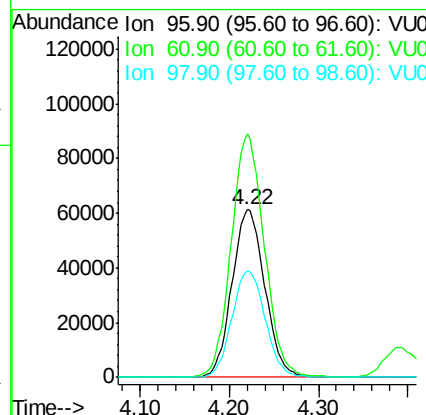
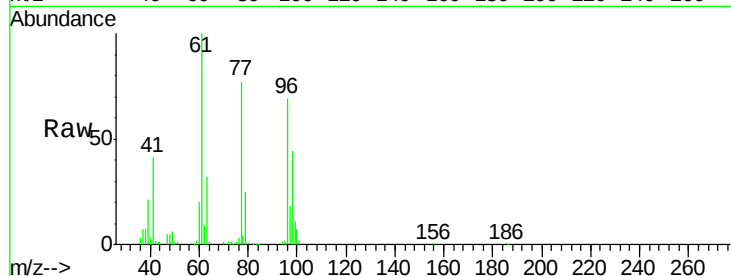
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	96	Resp:	156325
Ion Ratio	Lower	Upper	
96	100		
61	146.7	0.0	306.6
98	64.6	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 39.61 ug/l

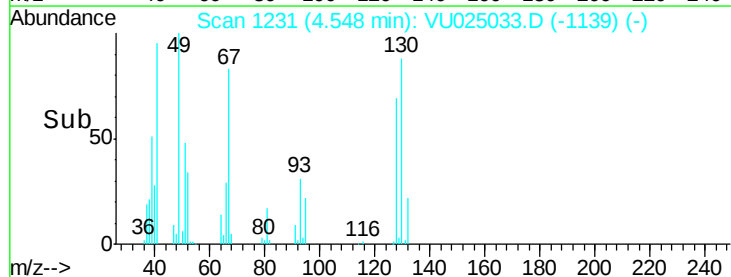
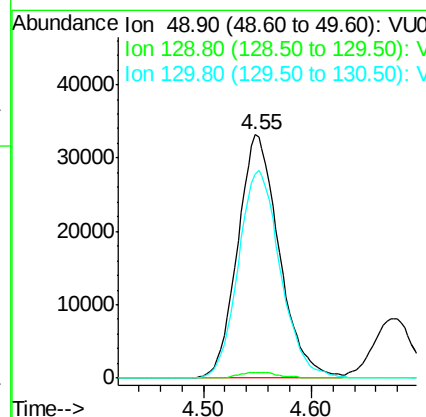
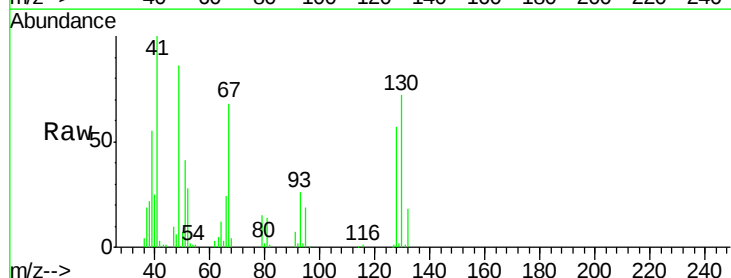
RT: 4.55 min Scan# 1231

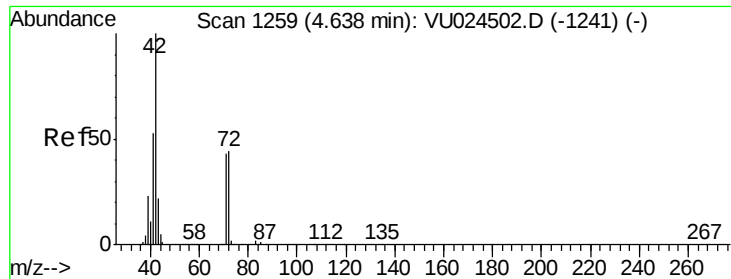
Delta R.T. -0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	49	Resp:	88714
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	3.8
130	86.6	57.8	86.6





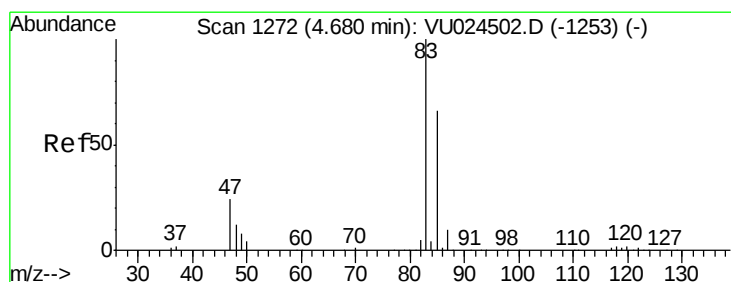
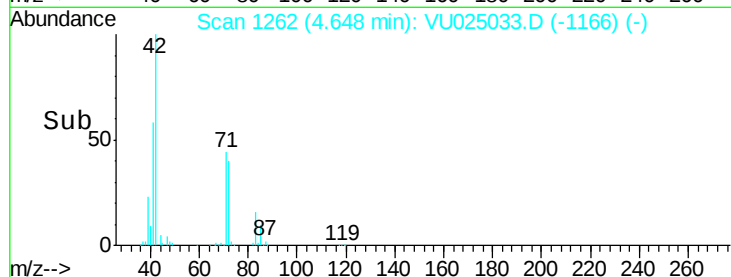
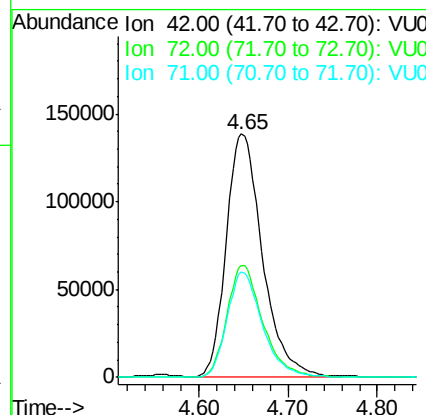
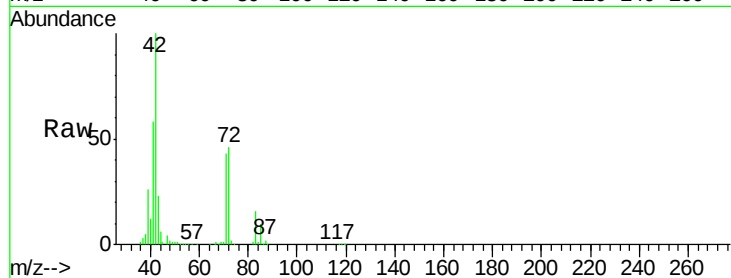
#29
Tetrahydrofuran
Concen: 251.24 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	34.5	51.7
71	42.8	32.2	48.4

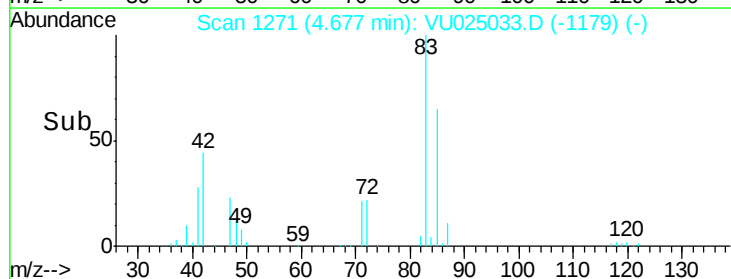
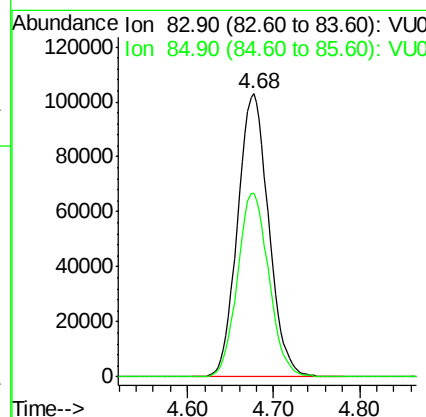
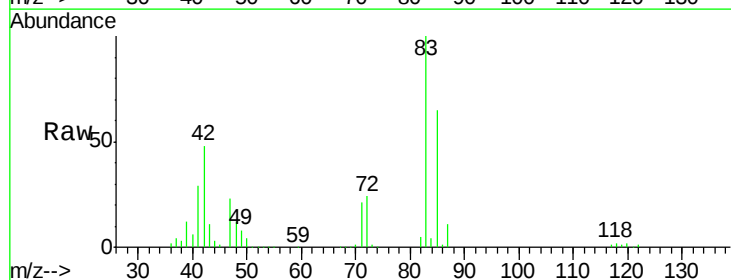
Manual Integrations
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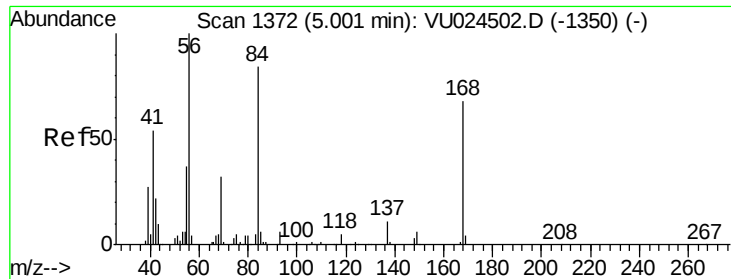
MMDadoda
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#30
Chloroform
Concen: 50.24 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.4	78.6





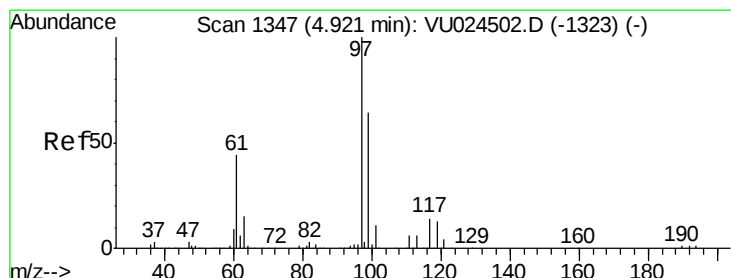
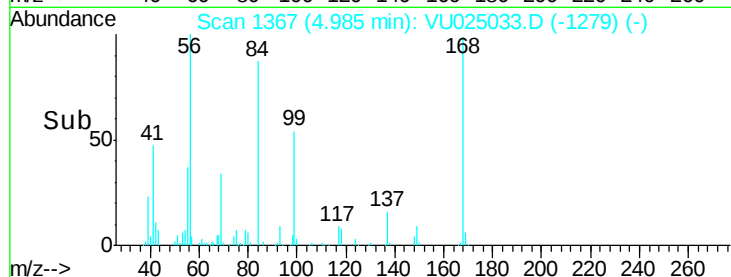
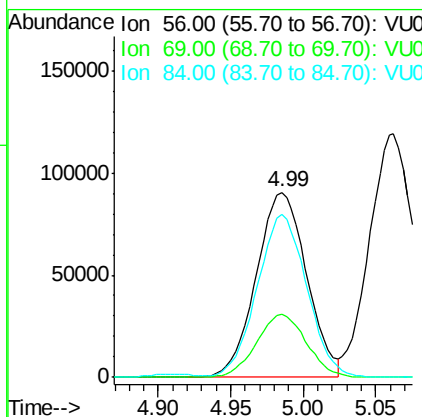
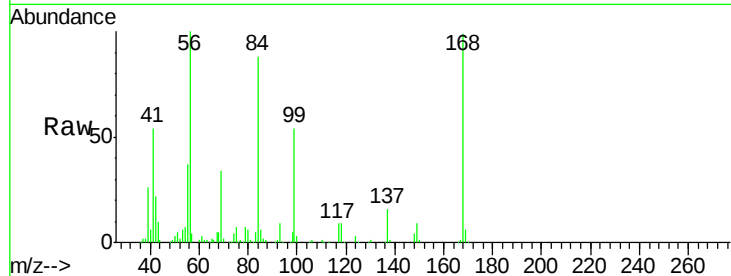
#31
Cyclohexane
Concen: 48.41 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.8	37.2
84	86.6	65.2	97.8

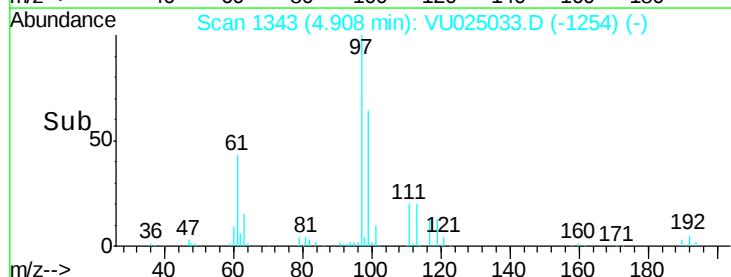
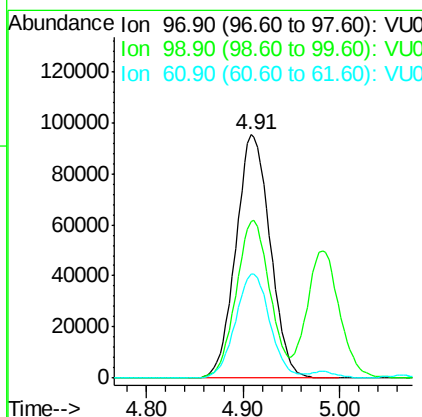
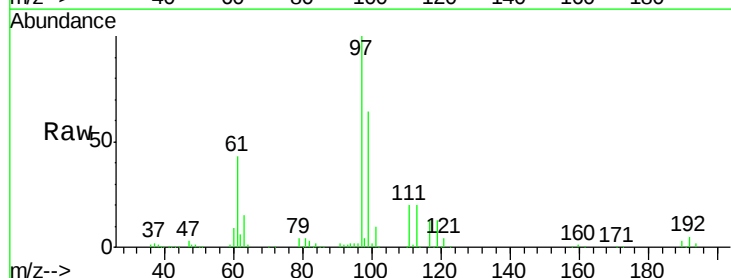
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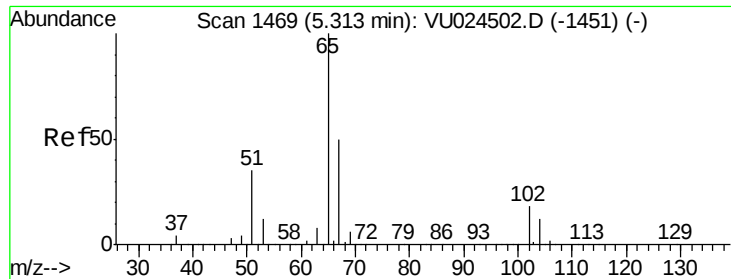
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.31 ug/l
RT: 4.91 min Scan# 1343
Delta R.T. -0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	43.2	39.4	59.0





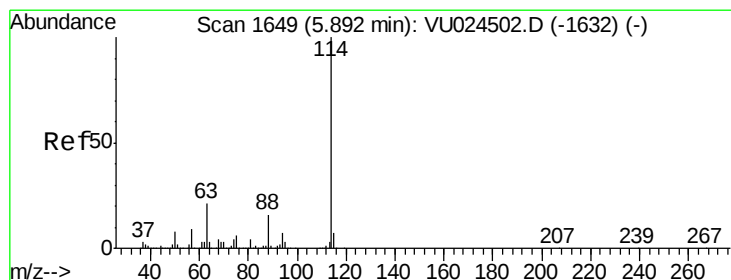
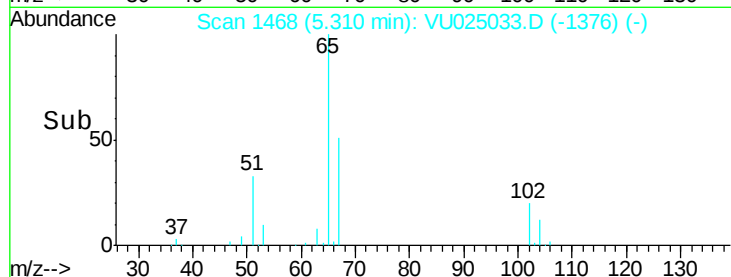
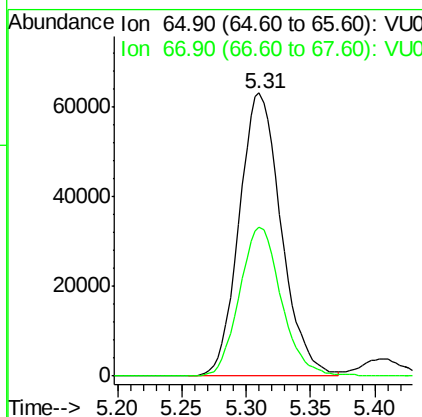
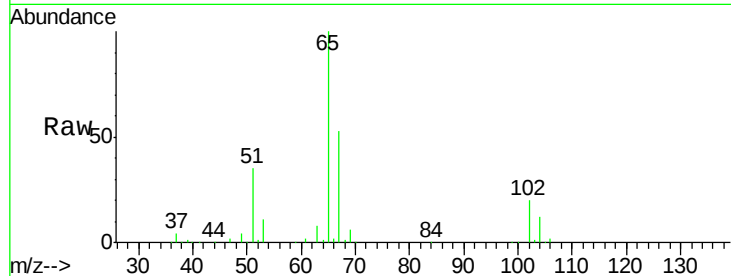
#33
 1,2-Dichloroethane-d4
 Concen: 41.58 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143162		
67	52.5	0.0	107.0	

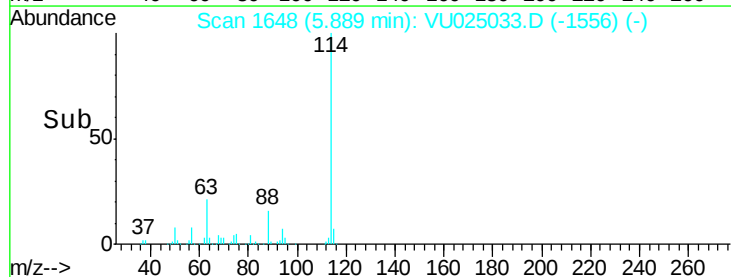
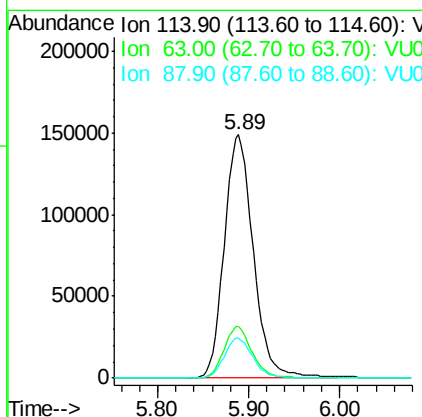
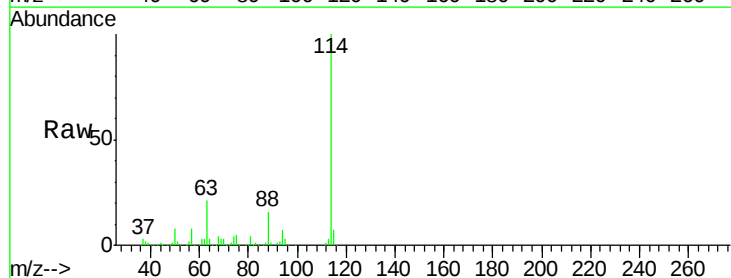
Manual Integrations
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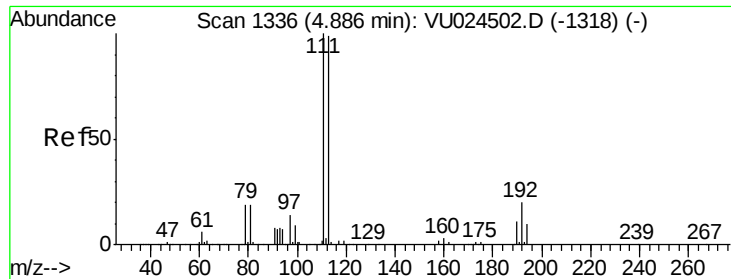
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330266		
63	21.3	0.0	45.4	
88	16.2	0.0	31.0	





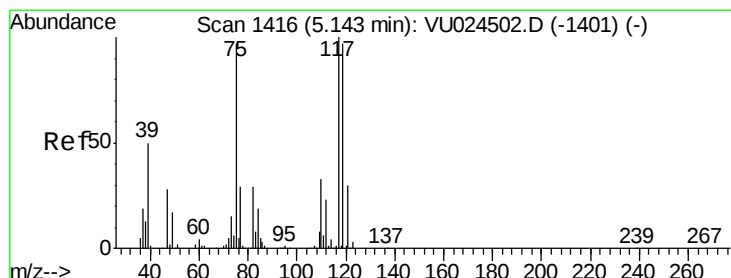
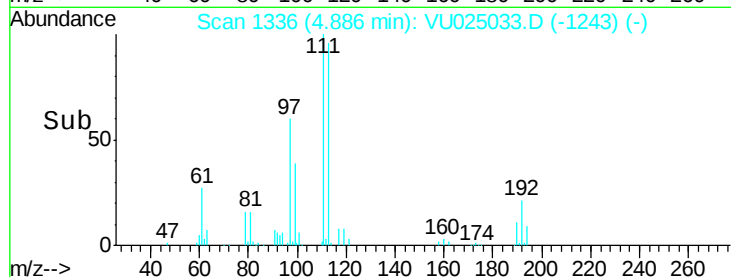
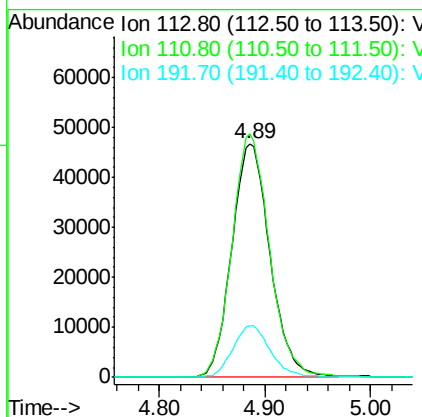
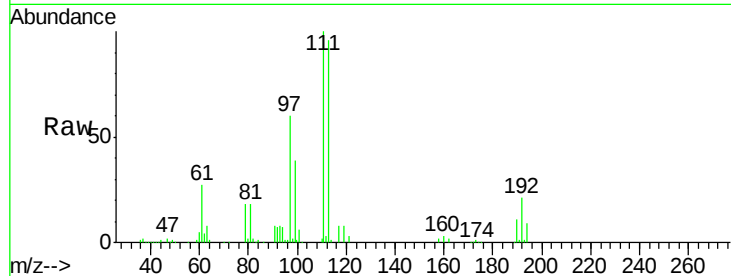
#35
 Dibromofluoromethane
 Concen: 42.91 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117623		
111	102.7	82.2	123.4	
192	21.7	16.2	24.4	

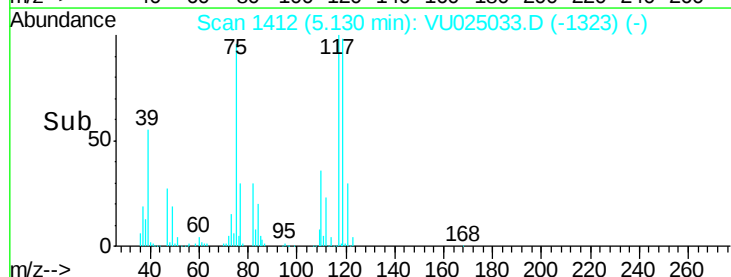
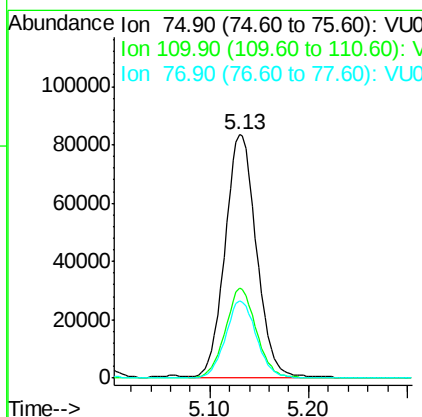
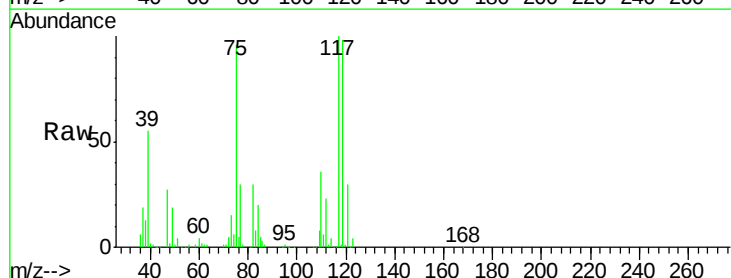
Manual Integrations
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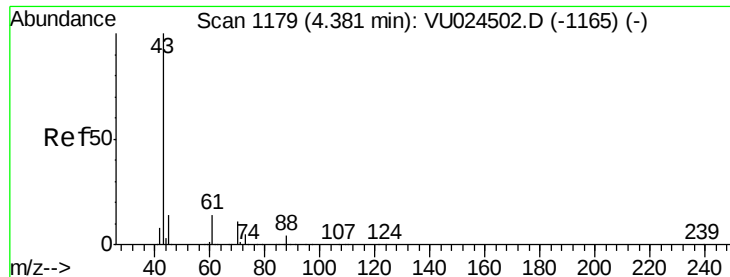
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 6/29/2018 4:23:41 PM



#36
 1,1-Dichloropropene
 Concen: 47.35 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	183749		
110	36.8	17.0	50.9	
77	31.1	24.2	36.4	





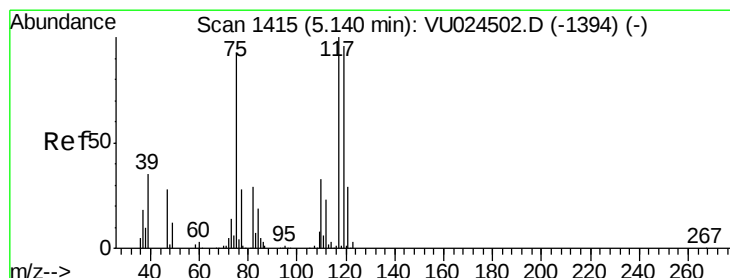
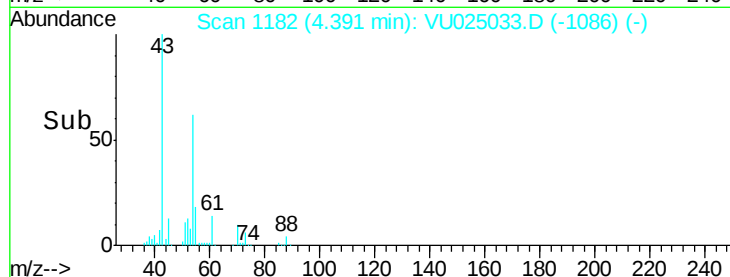
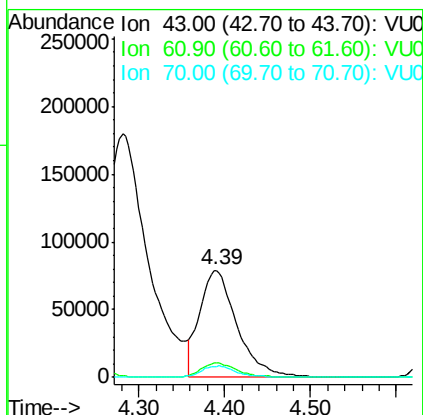
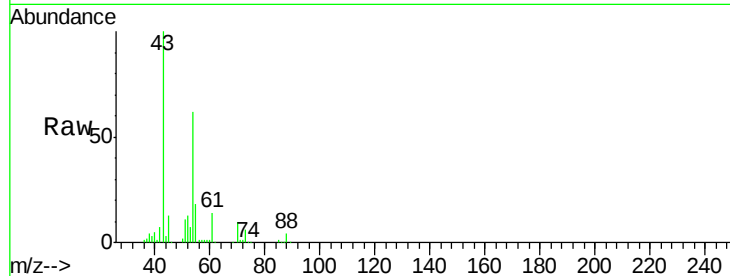
#37
Ethyl Acetate
Concen: 55.65 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	10.3	7.4	11.2

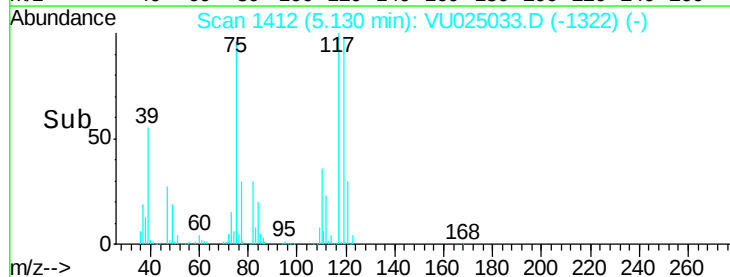
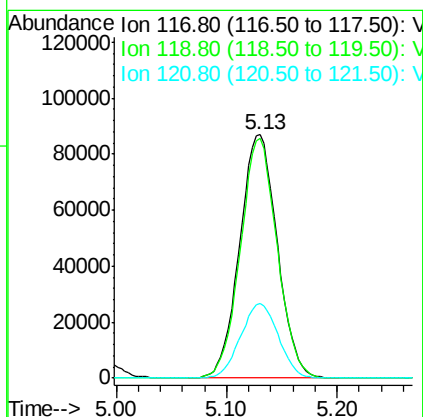
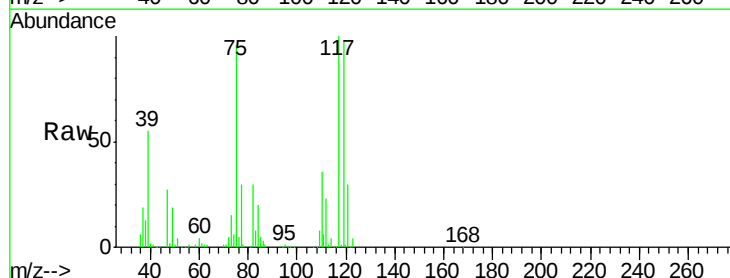
Manual Integrations
APPROVED

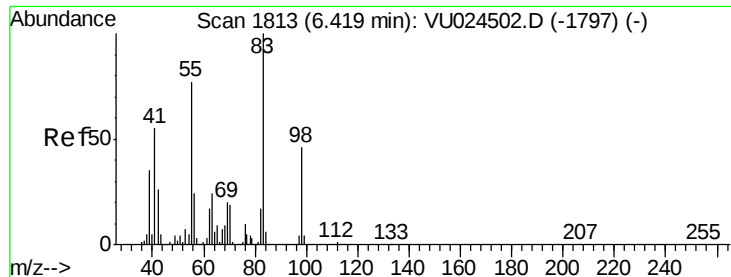
MMDadoda
6/29/2018 4:23:41 PM



#38
Carbon Tetrachloride
Concen: 48.08 ug/l
RT: 5.13 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.1	114.1
121	30.4	23.7	35.5





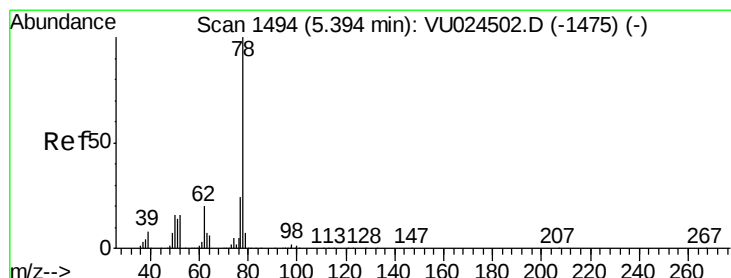
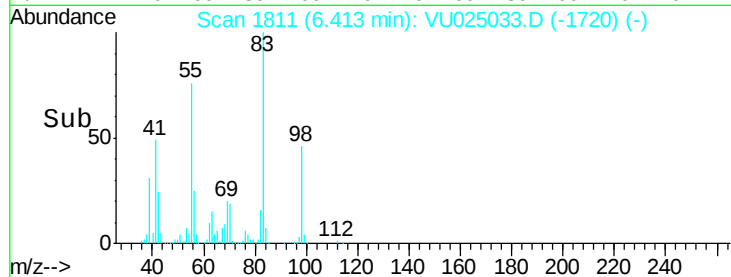
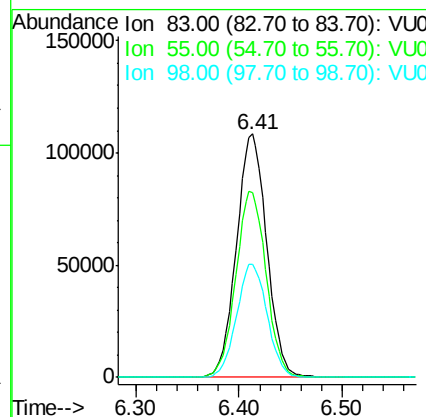
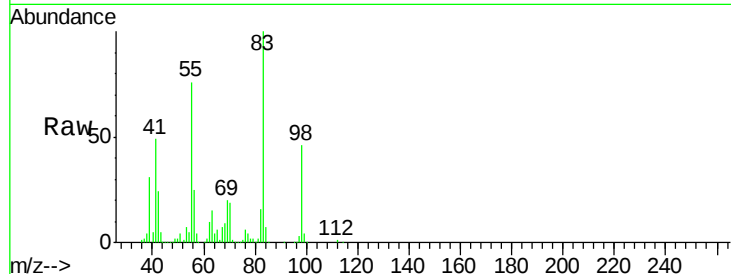
#39
Methvlcvclohexane
Concen: 45.84 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	222021		
55	76.0		65.8	98.6
98	46.3		36.7	55.1

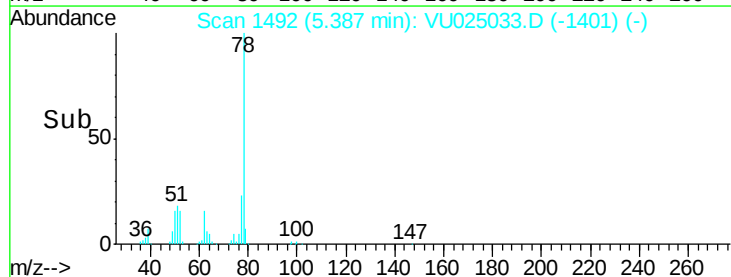
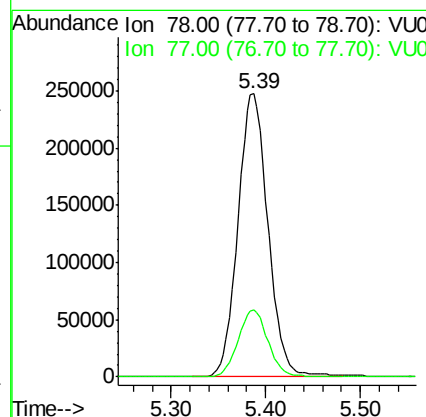
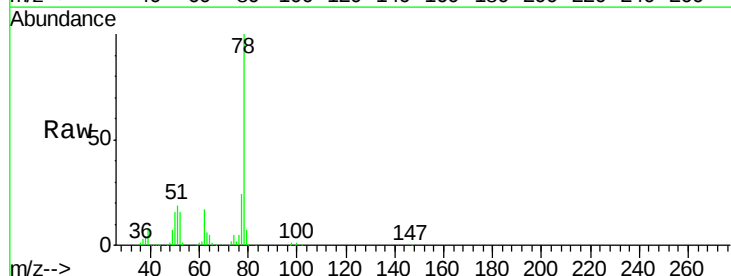
Manual Integrations
APPROVED

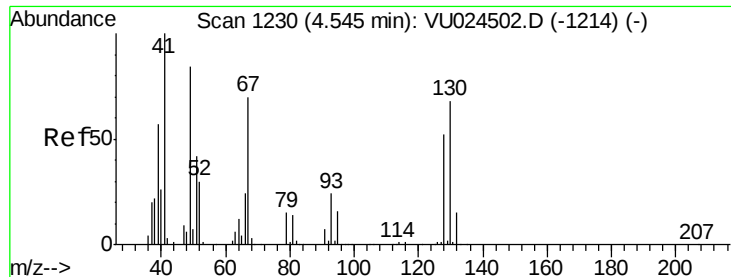
MMDadoda
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#40
Benzene
Concen: 49.41 ug/l
RT: 5.39 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	546388		
77	23.7		19.2	28.8





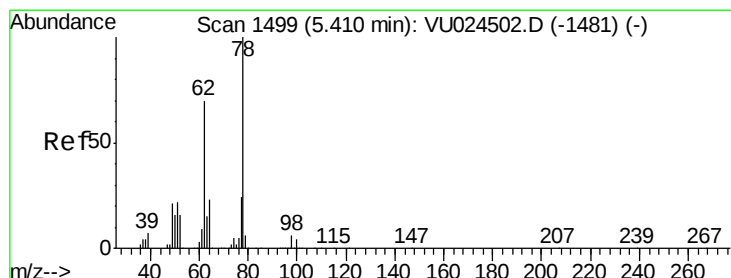
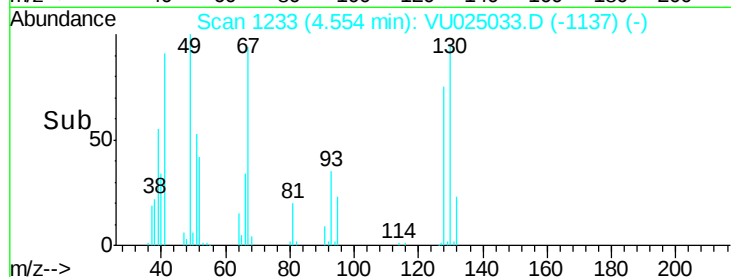
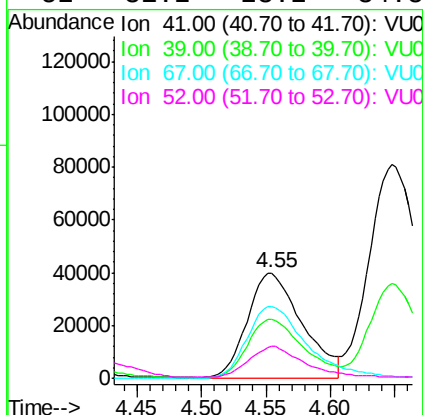
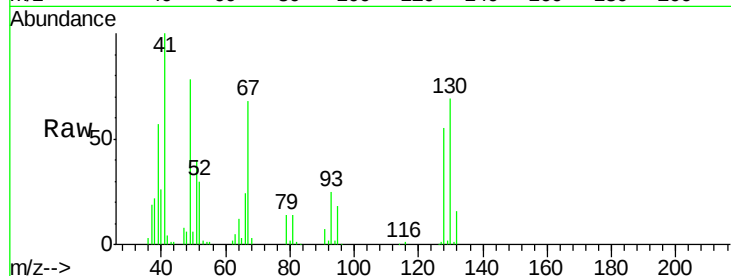
#41
Methacrylonitrile
Concen: 51.36 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	43.8	65.6	
67	75.4	56.3	84.5	
52	31.2	23.2	34.8	

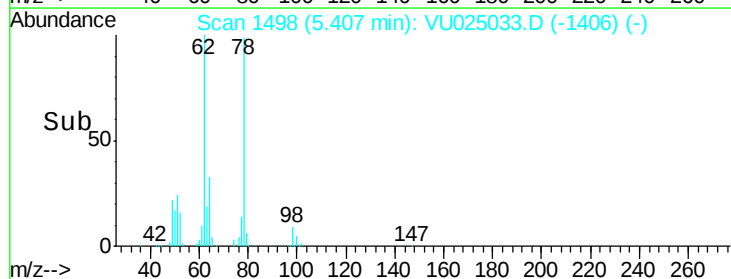
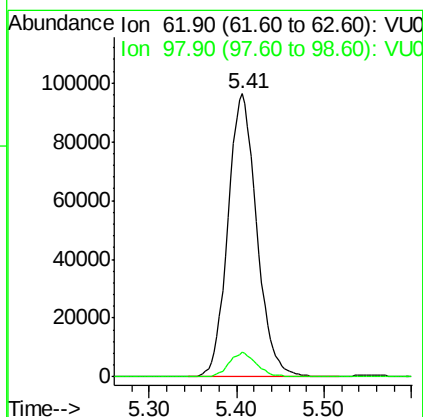
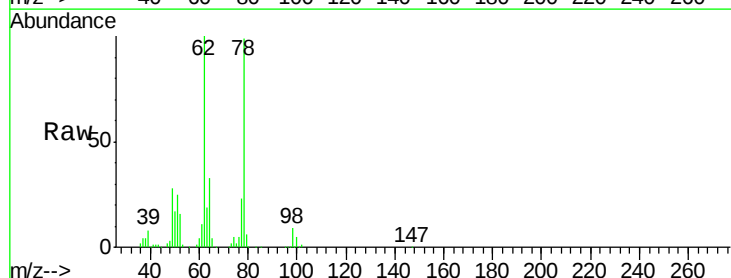
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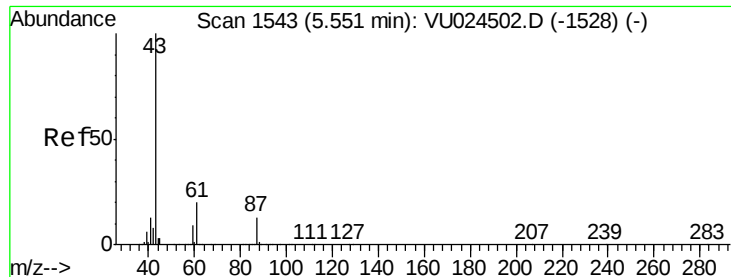
MMDadoda
6/29/2018 4:23:41 PM



#42
1,2-Dichloroethane
Concen: 52.49 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

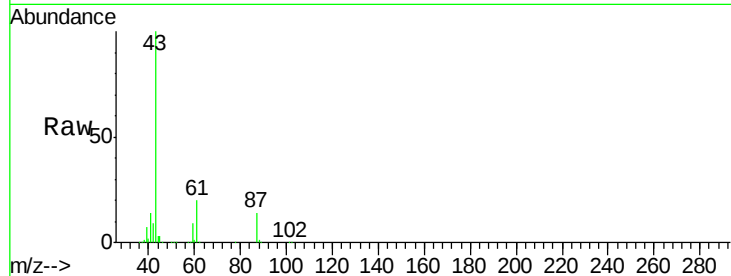
Isopropyl Acetate
 Concen: 48.41 ug/l
 RT: 5.56 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

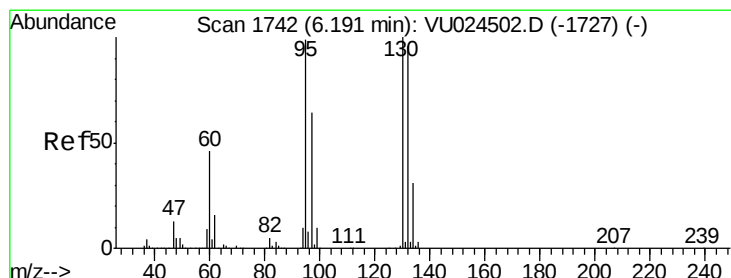
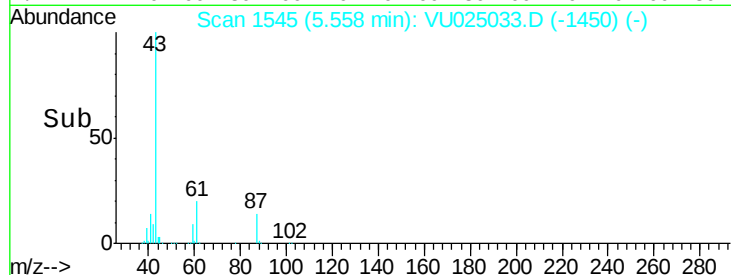
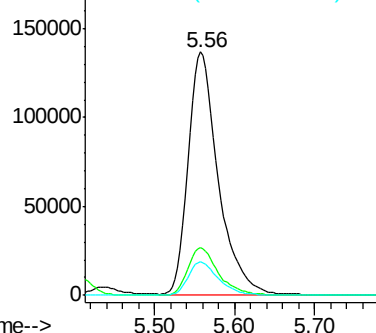
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.8	10.0	15.0

Manual Integrations
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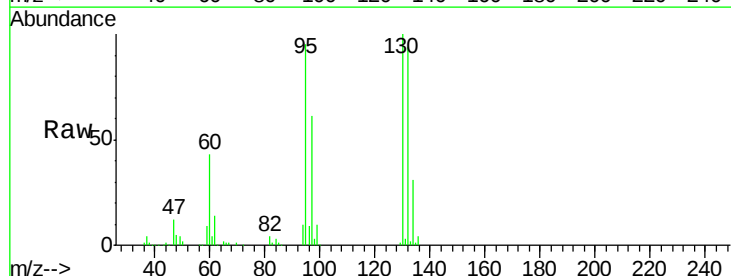
Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)



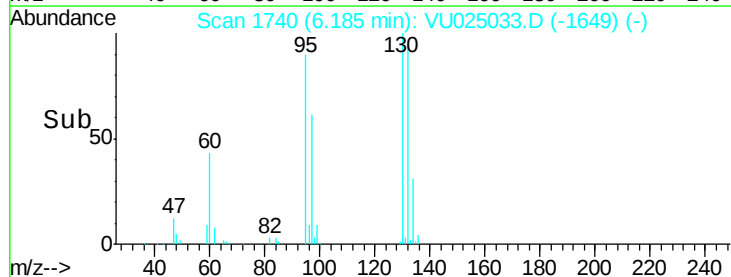
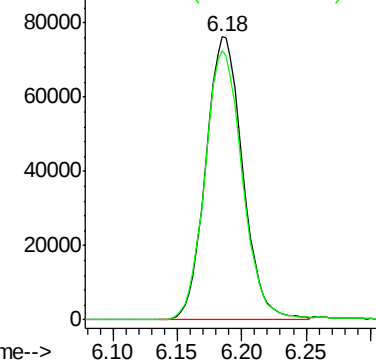
#44

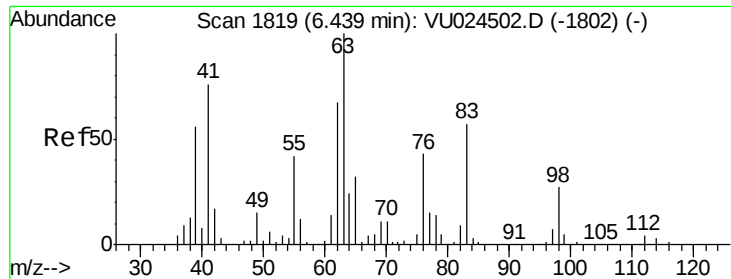
Trichloroethene
 Concen: 48.38 ug/l
 RT: 6.18 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)





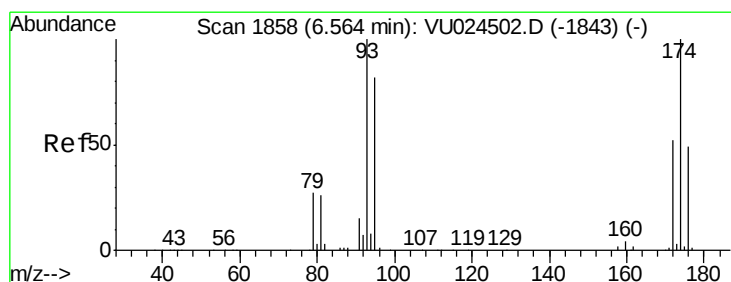
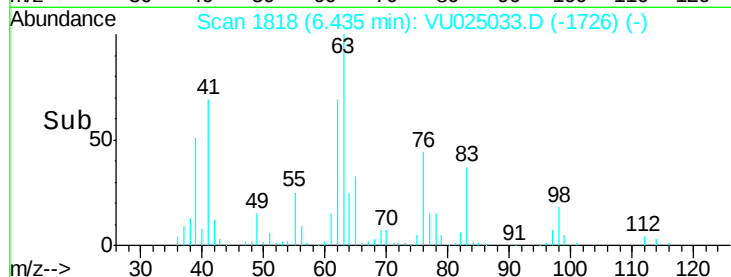
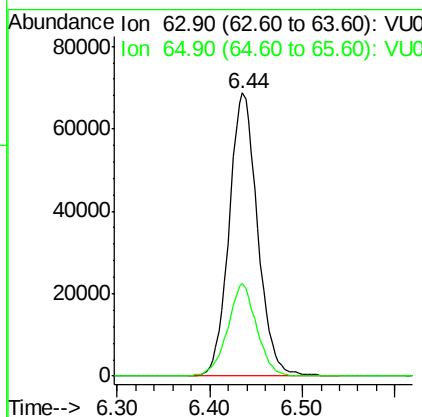
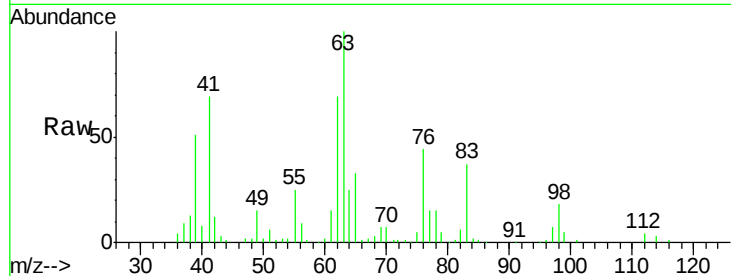
#45
 1,2-Dichloropropane
 Concen: 49.46 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion: 63 Resp: 145953
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.8 37.2

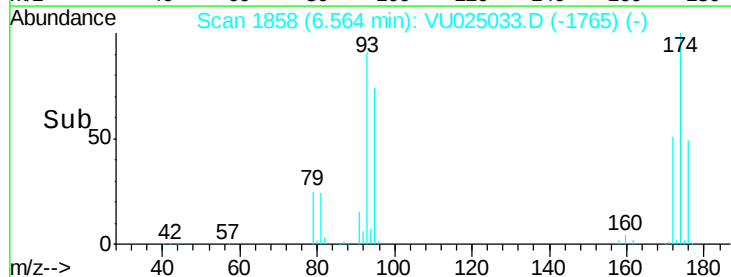
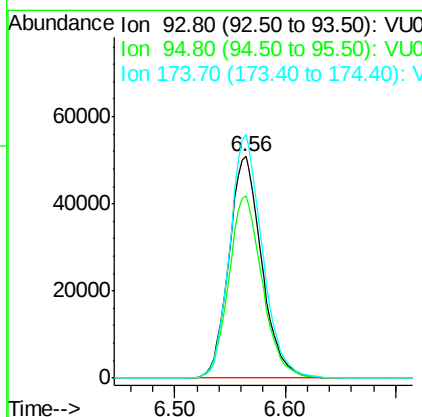
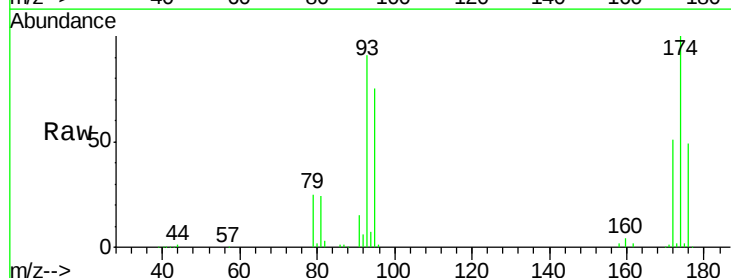
Manual Integrations
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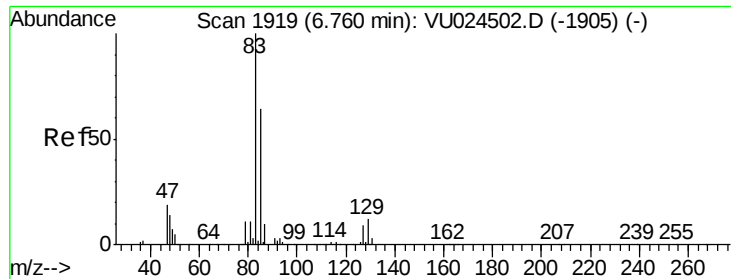
MMDadoda
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#46
 Dibromomethane
 Concen: 50.70 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion: 93 Resp: 105078
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 108.8 78.7 118.1





#47

Bromodichloromethane

Concen: 48.27 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

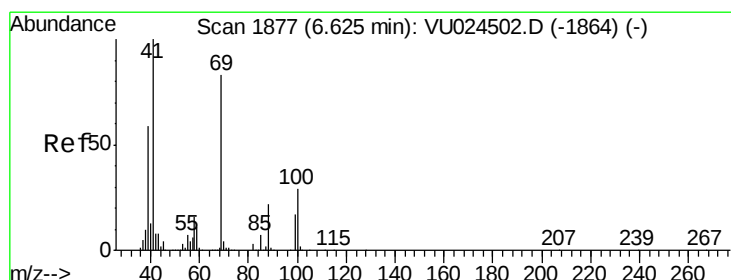
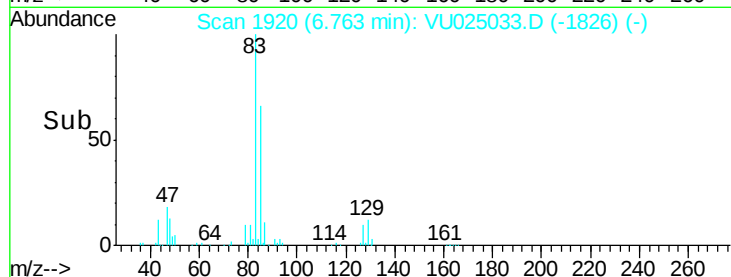
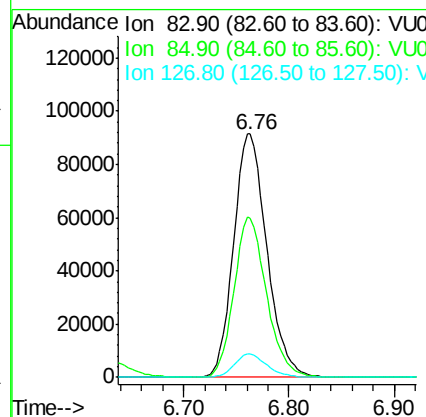
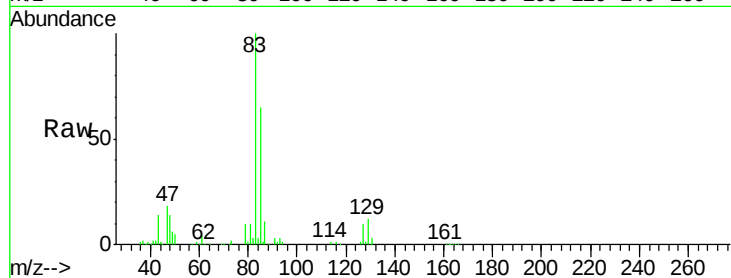
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	83	Resp:	199211
Ion Ratio	Lower	Upper	
83	100		
85	65.2	51.9	77.9
127	9.6	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.03 ug/l

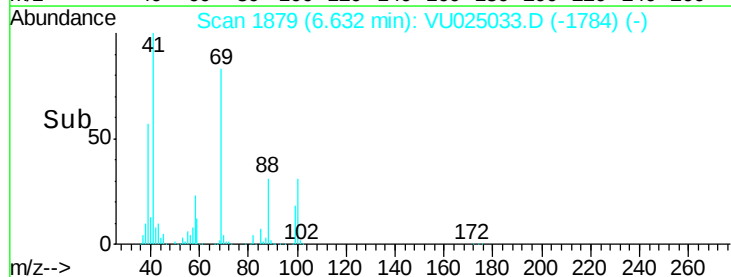
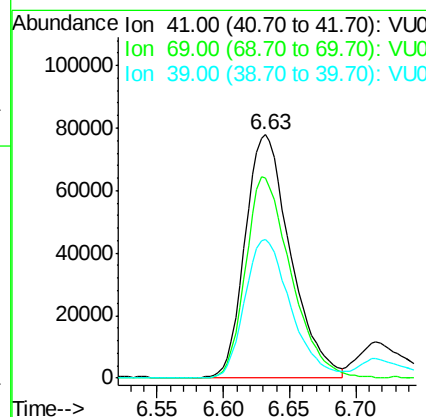
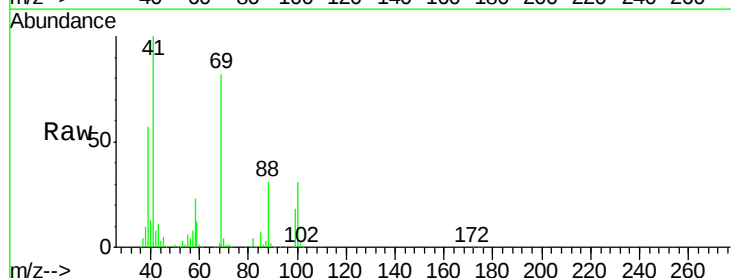
RT: 6.63 min Scan# 1879

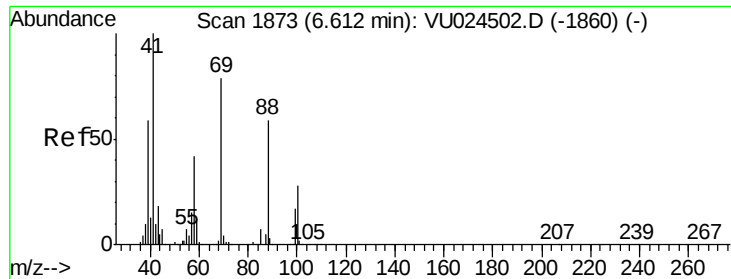
Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	41	Resp:	185251
Ion Ratio	Lower	Upper	
41	100		
69	83.0	67.3	100.9
39	57.4	46.5	69.7





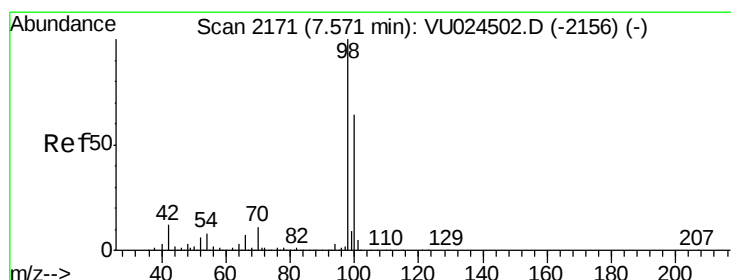
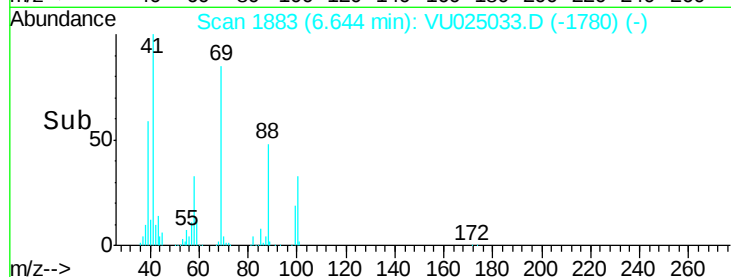
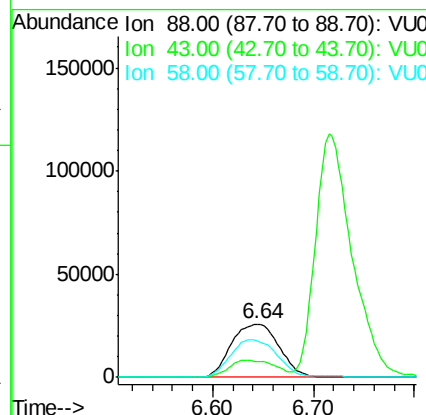
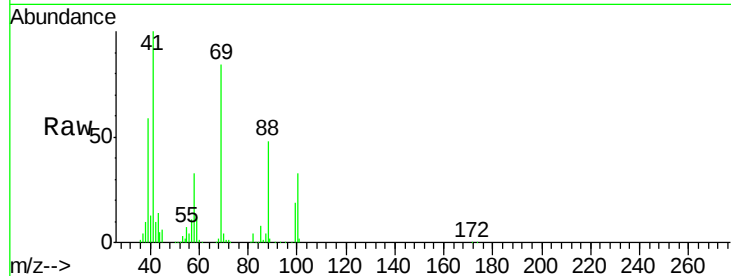
#49
1,4-Dioxane
Concen: 1203.53 ug/l
RT: 6.64 min Scan# 1883
Delta R.T. 0.03 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	28.6	42.8
58	70.5	58.2	87.4

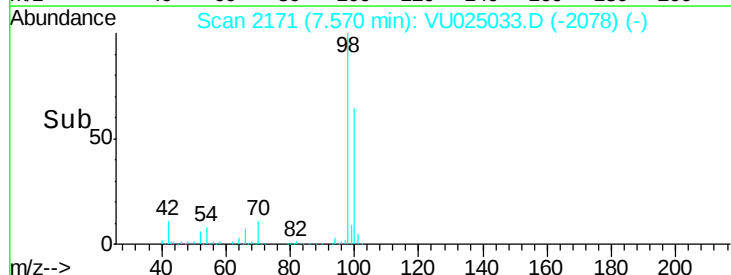
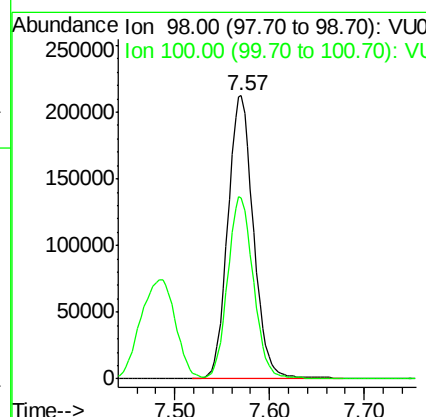
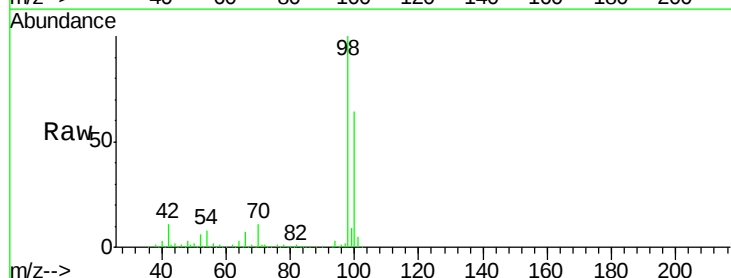
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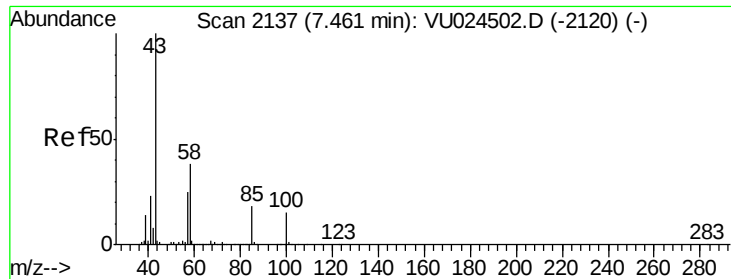
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#50
Toluene-d8
Concen: 40.06 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 263.96 ug/l

RT: 7.48 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 43 Resp: 1212505

Ion Ratio Lower Upper

43 100

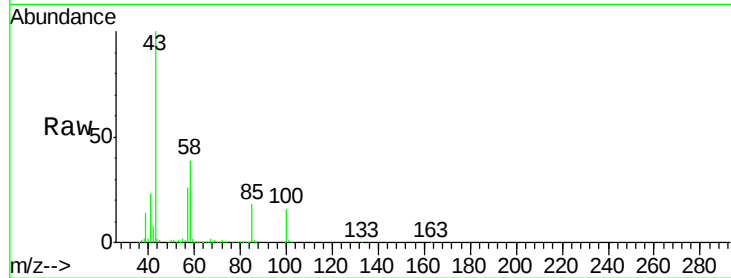
58 38.9 30.0 45.0

Manual Integrations

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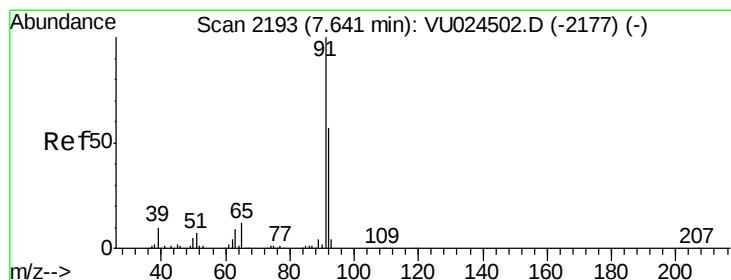
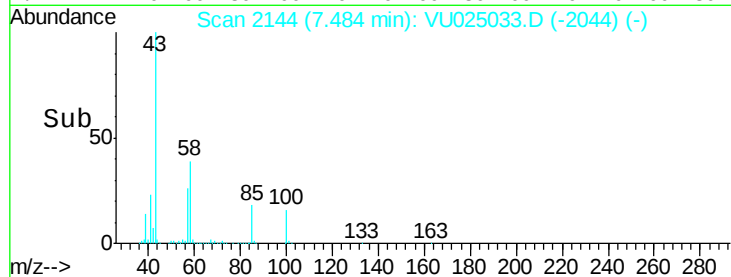
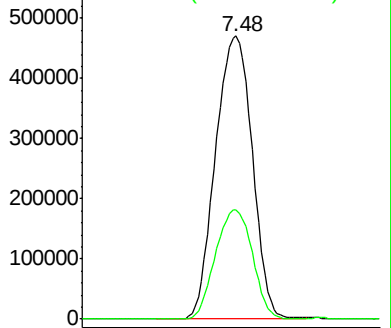
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.54 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025033.D

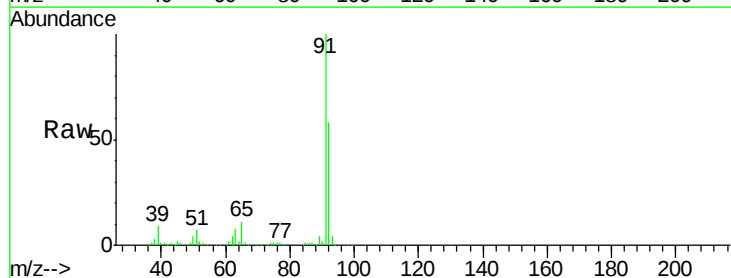
Acq: 28 Jun 2018 20:20

Tgt Ion: 92 Resp: 359593

Ion Ratio Lower Upper

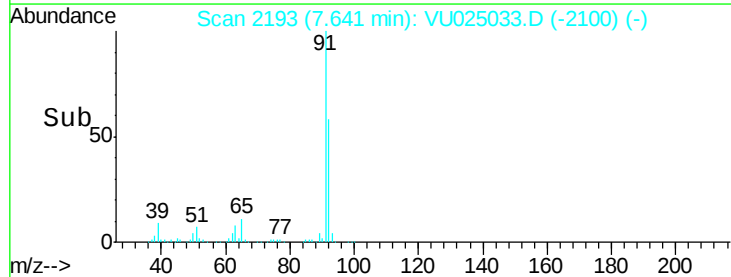
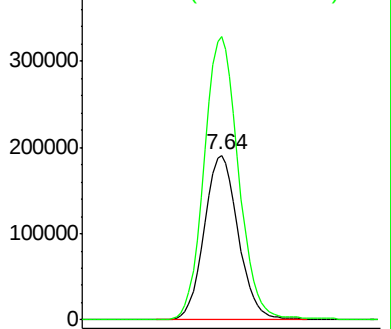
92 100

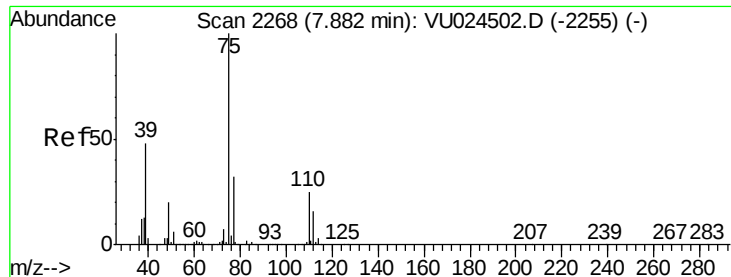
91 175.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 48.64 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 75 Resp: 225446

Ion Ratio Lower Upper

75 100

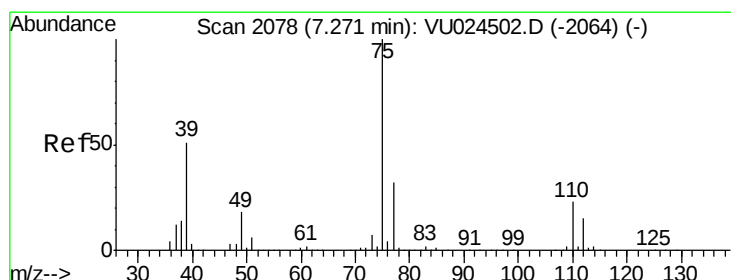
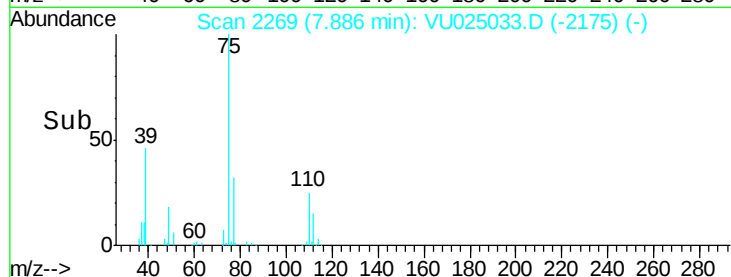
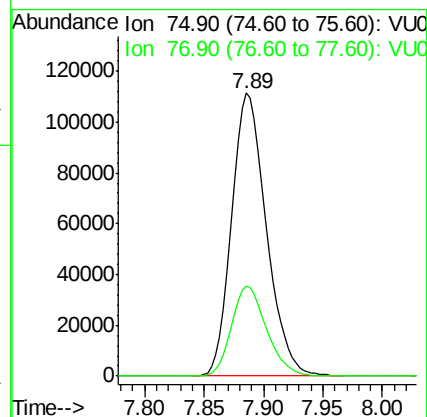
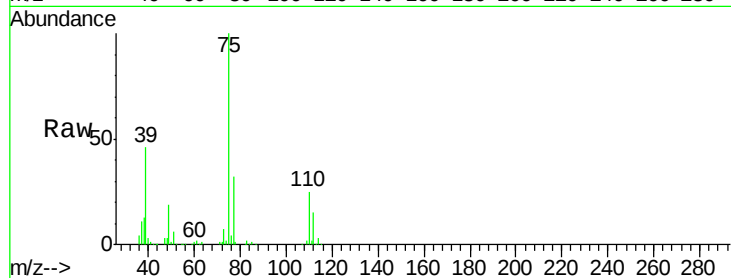
77 31.9 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 47.50 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

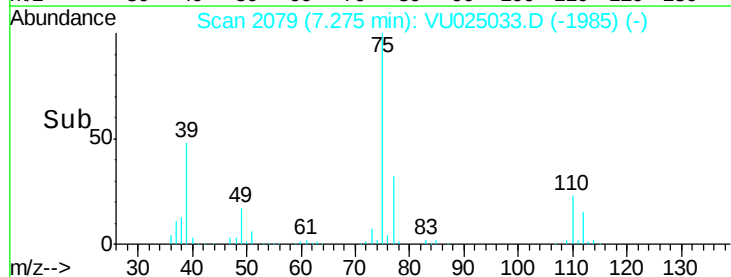
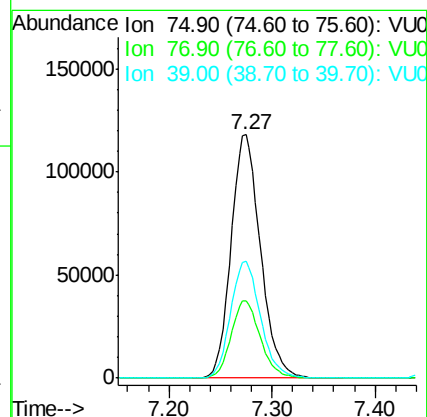
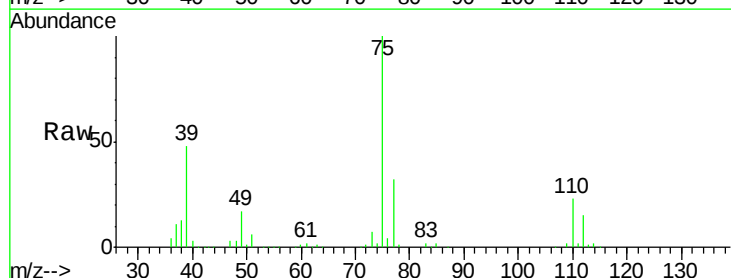
Tgt Ion: 75 Resp: 234587

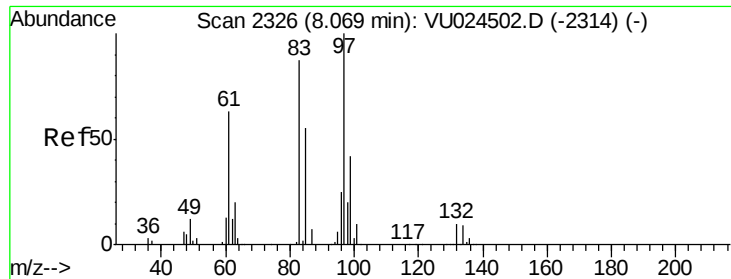
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 48.1 39.8 59.6





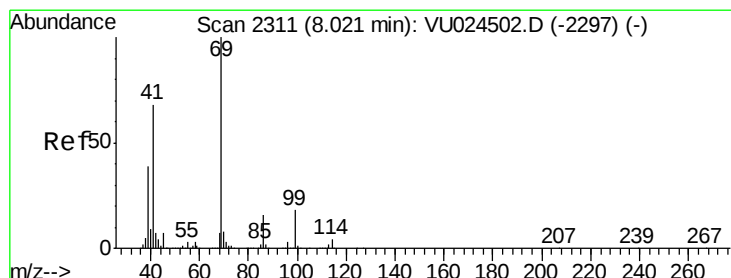
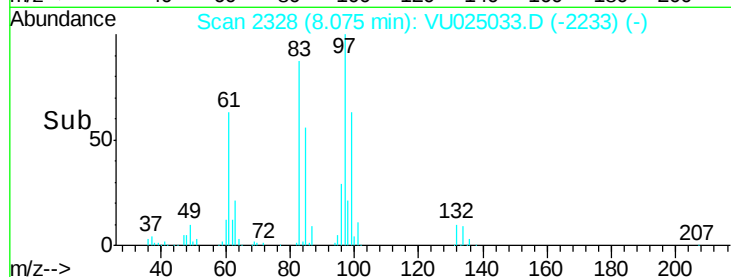
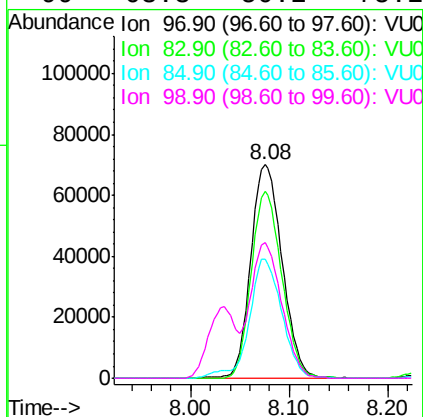
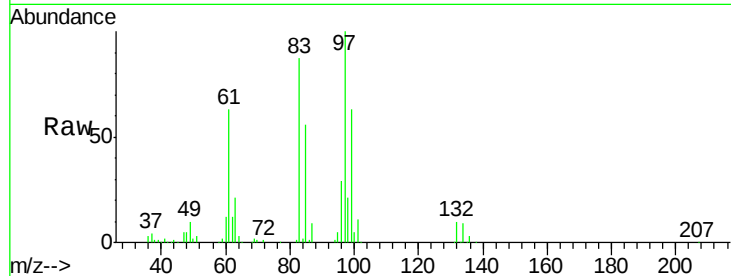
#55
 1,1,2-Trichloroethane
 Concen: 53.23 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion	97	Resp	153939
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.5	105.7
85	55.9	46.4	69.6
99	63.3	50.2	75.2

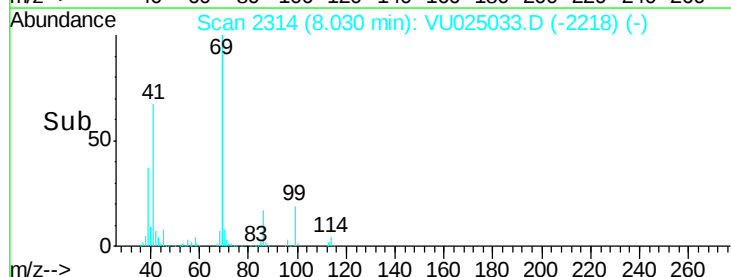
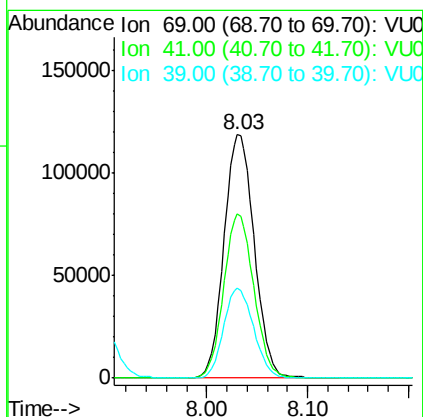
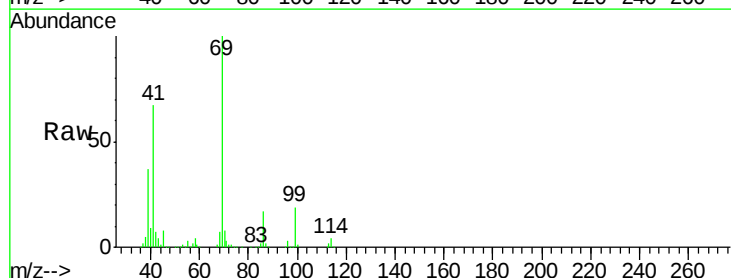
Manual Integrations
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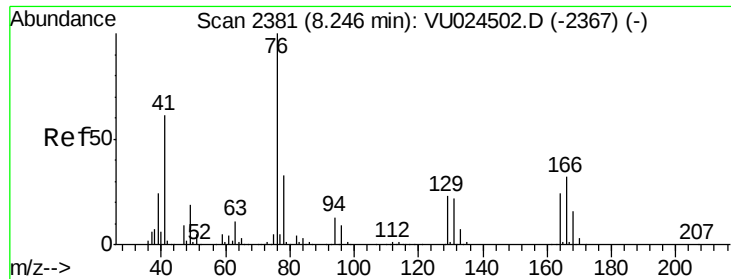
MMDadoda
 6/29/2018 4:23:41 PM



#56
 Ethyl methacrylate
 Concen: 51.44 ug/l
 RT: 8.03 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	69	Resp	249012
Ion	Ratio	Lower	Upper
69	100		
41	66.9	54.1	81.1
39	36.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 52.46 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 76 Resp: 255939

Ion Ratio Lower Upper

76 100

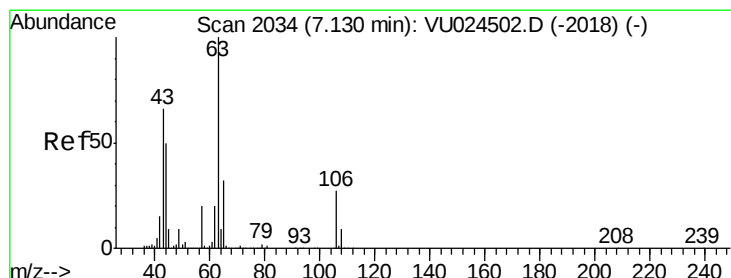
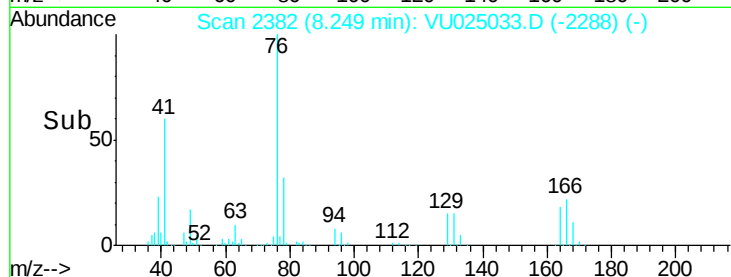
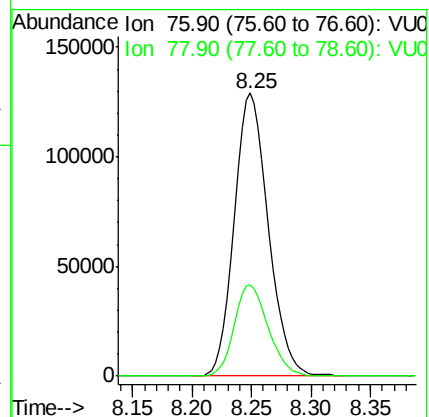
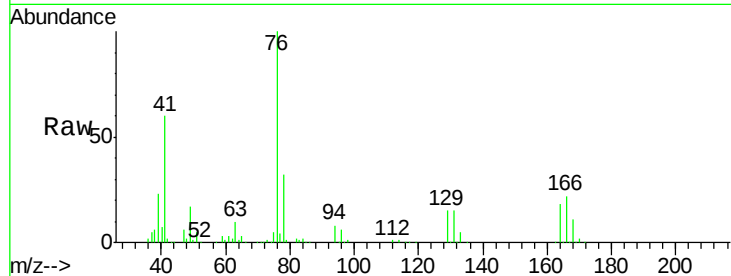
78 32.1 25.2 37.8

Manual Integrations

APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 0.57 ug/l

RT: 7.14 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU025033.D

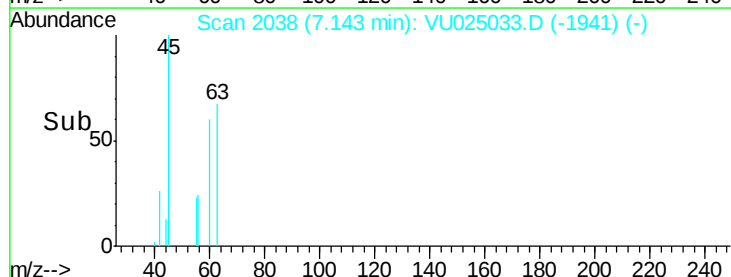
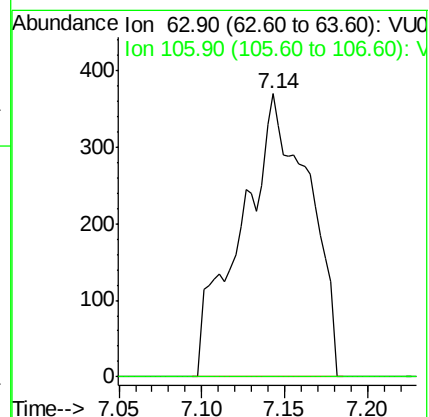
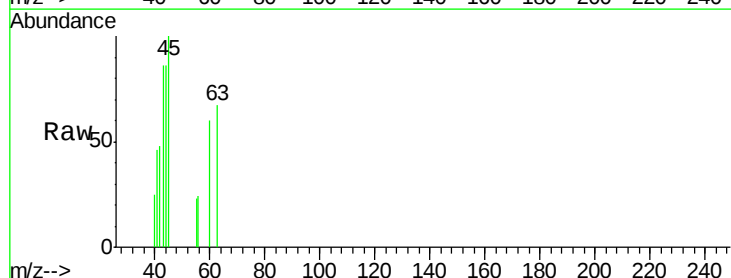
Acq: 28 Jun 2018 20:20

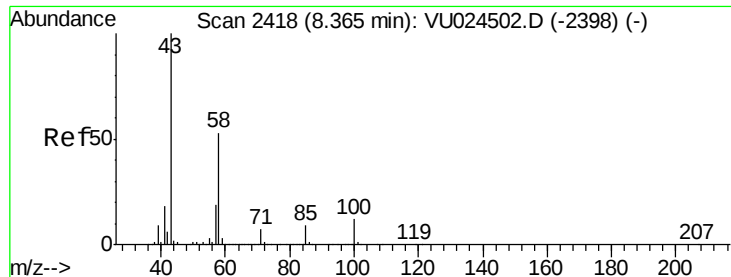
Tgt Ion: 63 Resp: 1053

Ion Ratio Lower Upper

63 100

106 0.0 20.2 30.2#





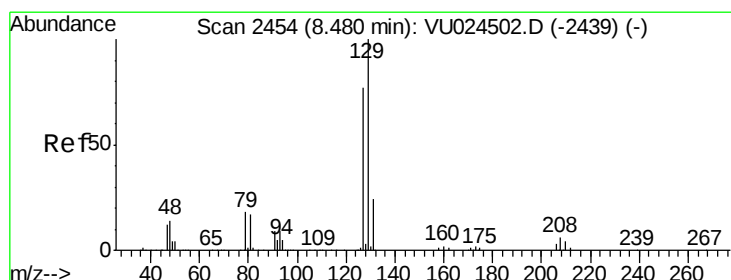
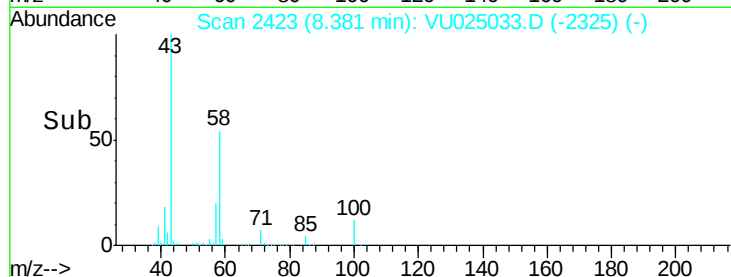
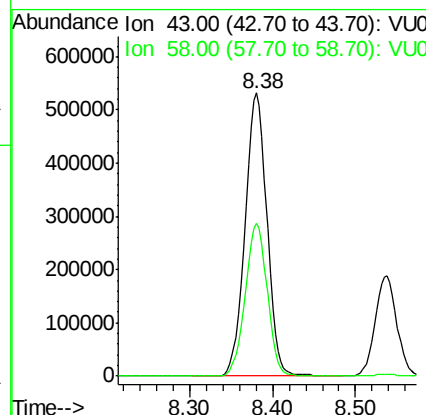
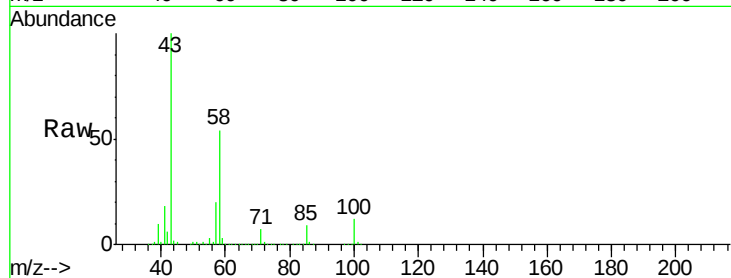
#59
2-Hexanone
Concen: 260.76 ug/l
RT: 8.38 min Scan# 2423
Delta R.T. 0.02 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.4	79.0

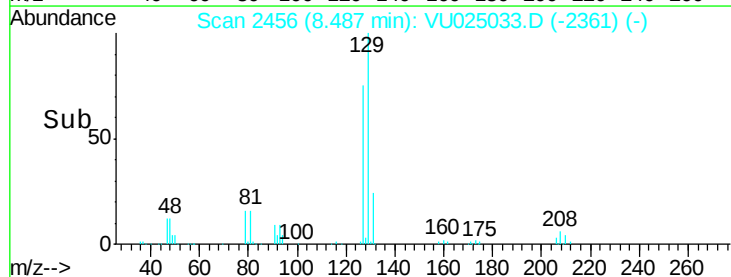
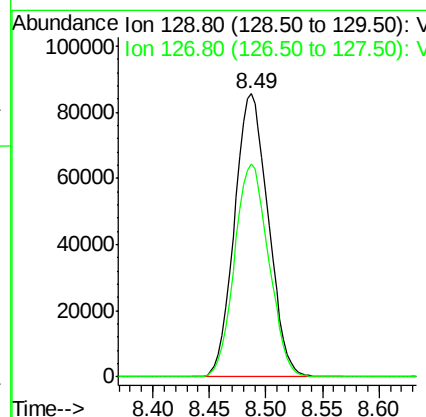
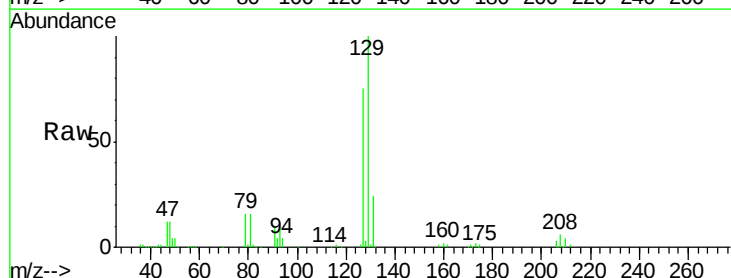
Manual Integrations
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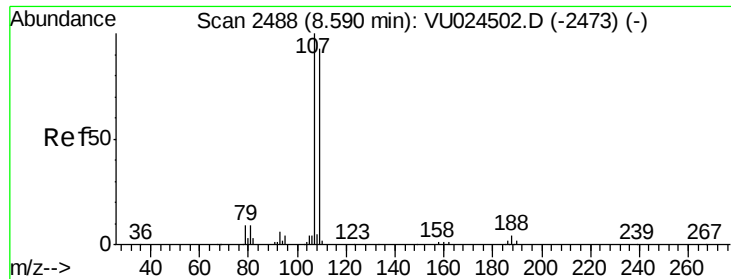
MMDadoda
6/29/2018 4:23:41 PM



#60
Dibromochloromethane
Concen: 49.32 ug/l
RT: 8.49 min Scan# 2456
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.6	116.0





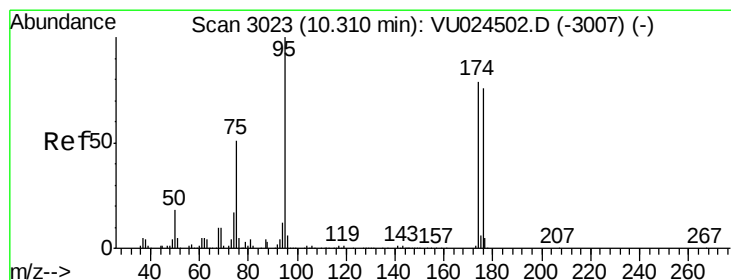
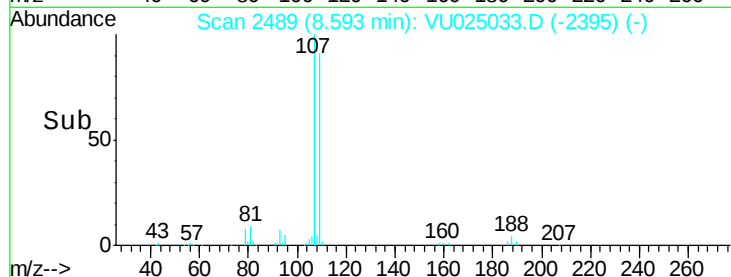
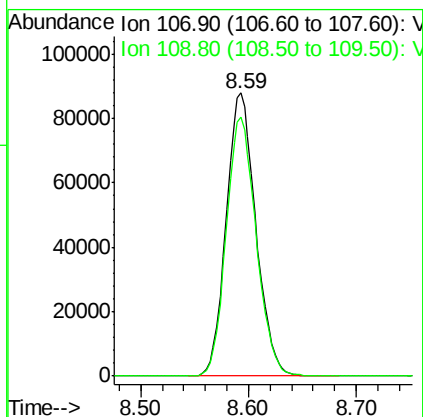
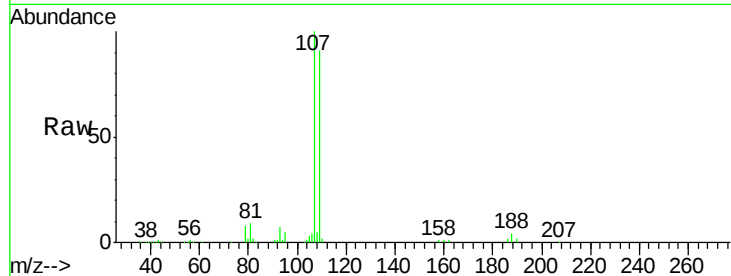
#61
 1,2-Dibromoethane
 Concen: 52.22 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.5	111.7

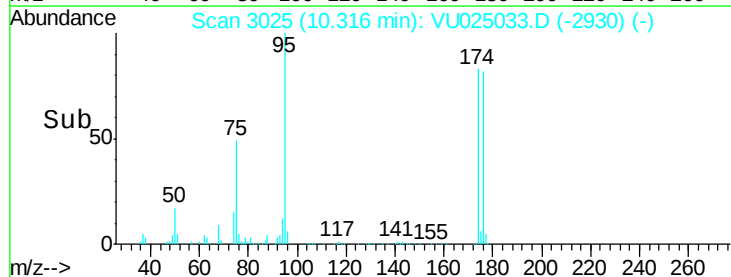
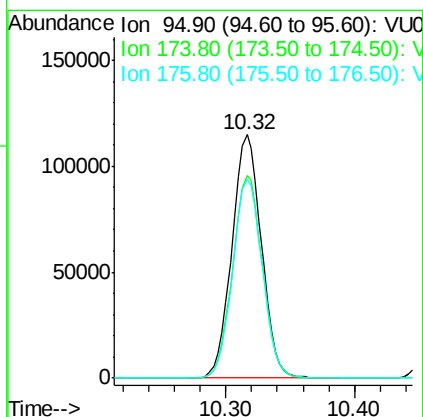
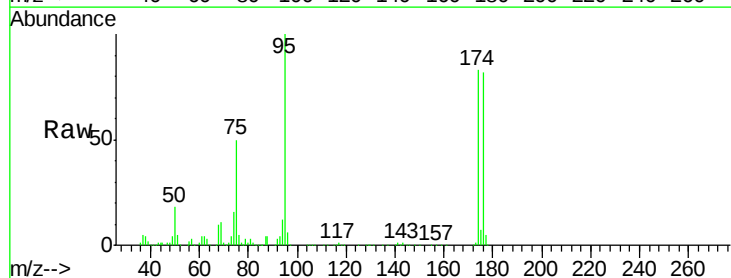
Manual Integrations
 APPROVED

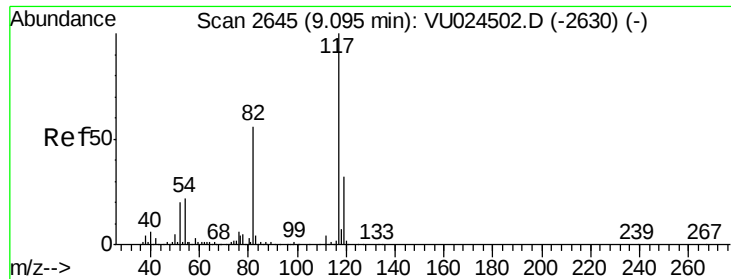
MMDadoda
 6/29/2018 4:23:41 PM



#62
 4-Bromofluorobenzene
 Concen: 45.90 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. 0.01 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	165.8
176	82.2	0.0	159.4





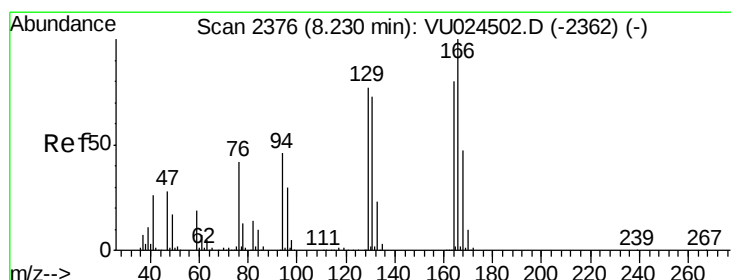
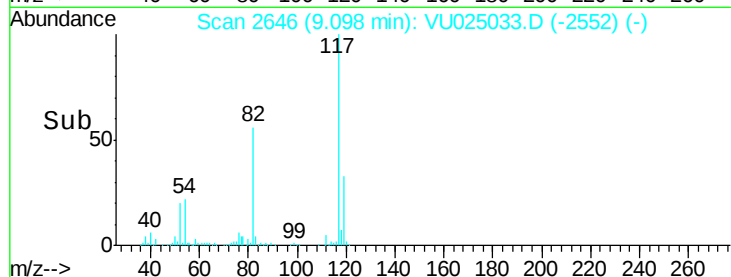
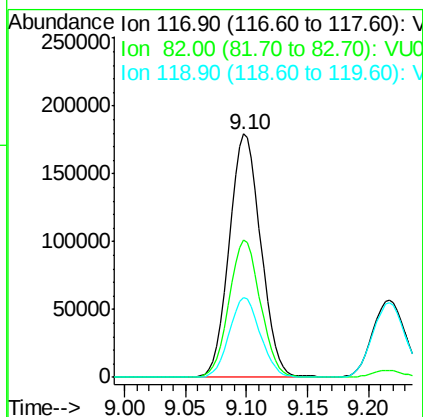
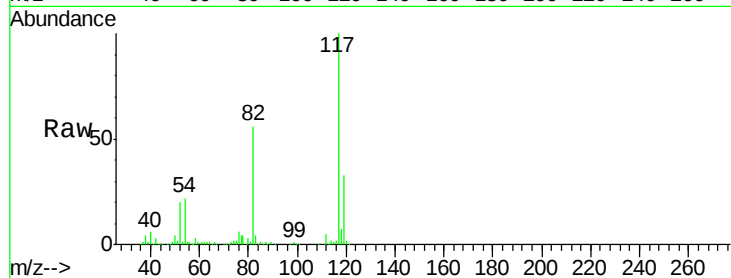
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	324102		
82	56.2		44.3	66.5
119	32.9		25.4	38.2

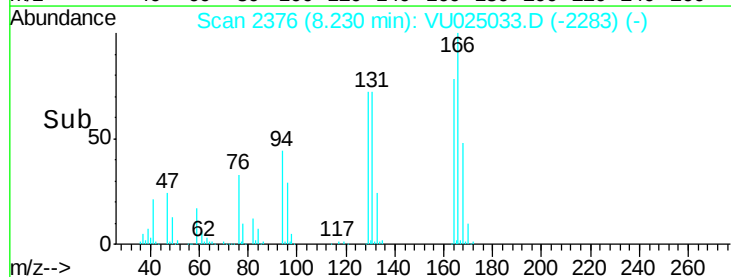
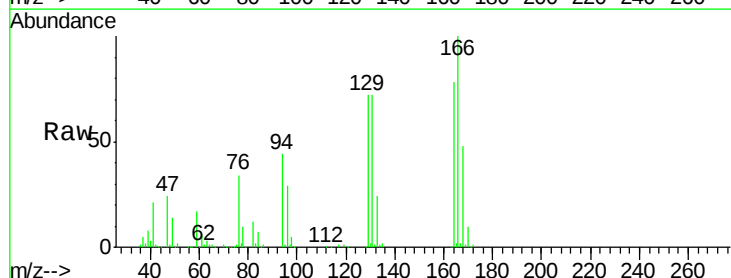
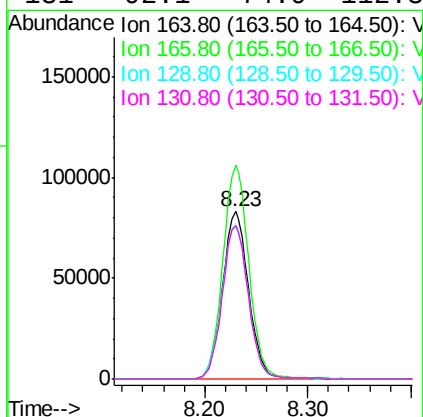
Manual Integrations
APPROVED

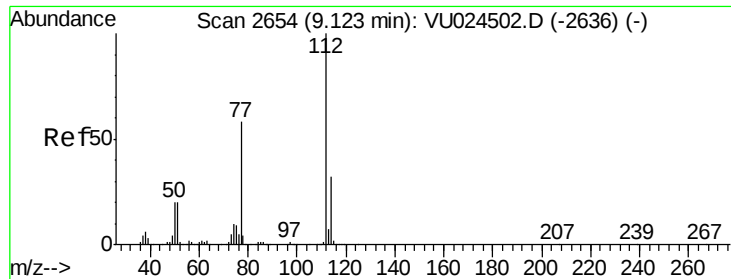
MMDadoda
6/29/2018 4:23:41 PM



#64
Tetrachloroethene
Concen: 47.54 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	146445		
166	127.8		101.7	152.5
129	91.4		76.9	115.3
131	92.1		74.9	112.3





#65

Chlorobenzene

Concen: 58.37 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:112 Resp: 483283

Ion Ratio Lower Upper

112 100

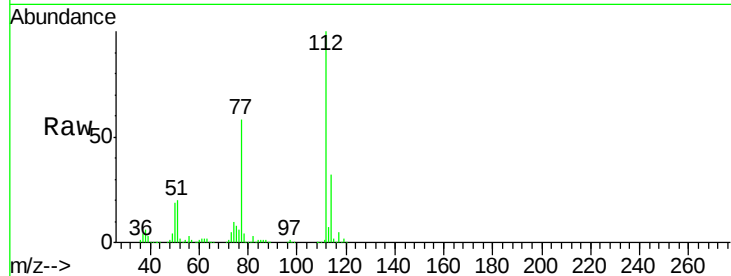
114 32.4 25.6 38.4

Manual Integrations

APPROVED

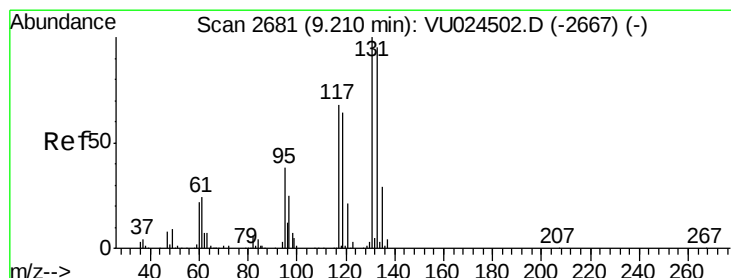
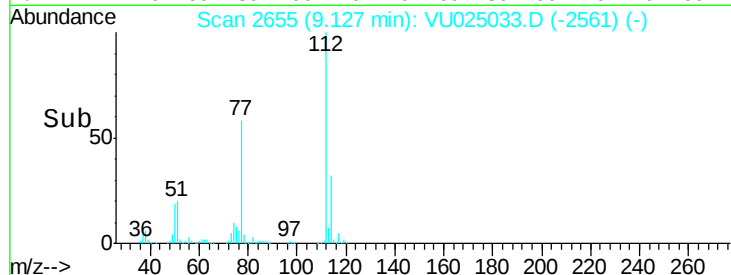
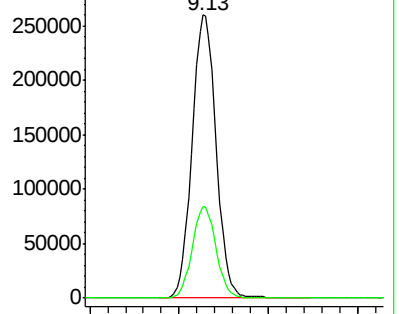
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.92 ug/l

RT: 9.22 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

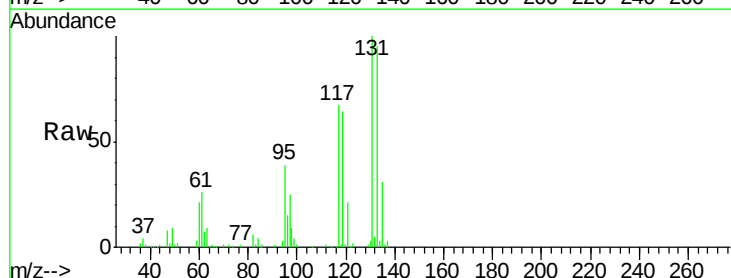
Tgt Ion:131 Resp: 160180

Ion Ratio Lower Upper

131 100

133 94.3 46.9 140.8

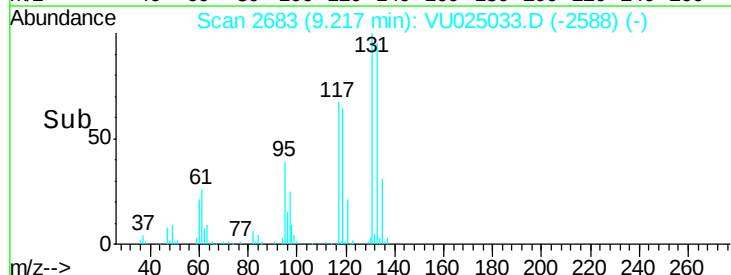
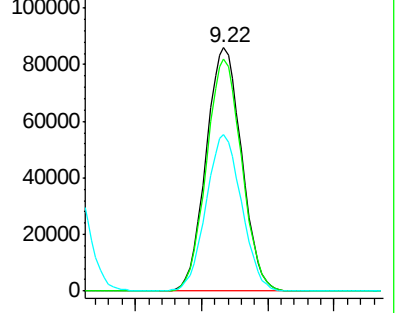
119 64.3 33.5 100.4

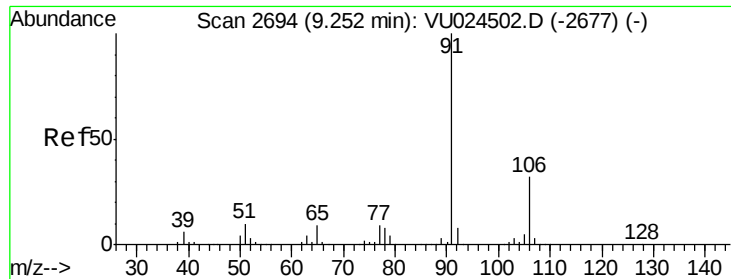


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





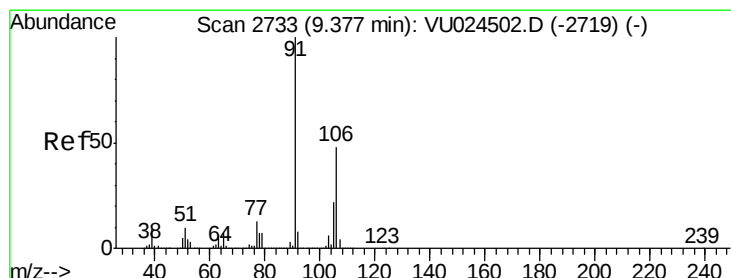
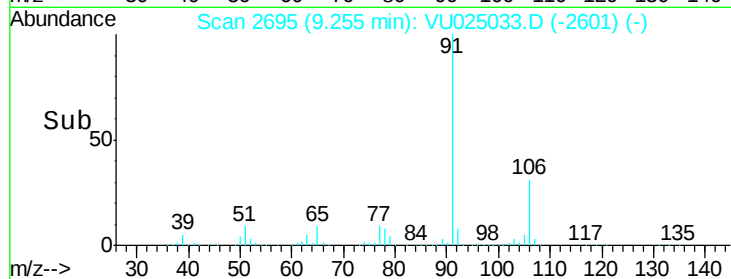
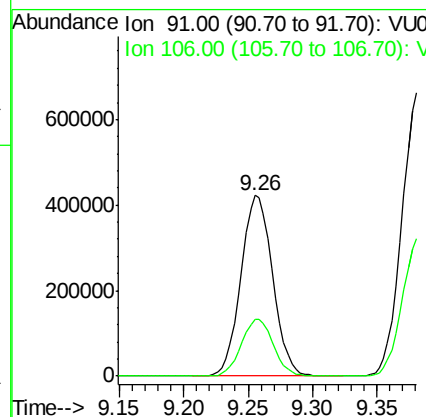
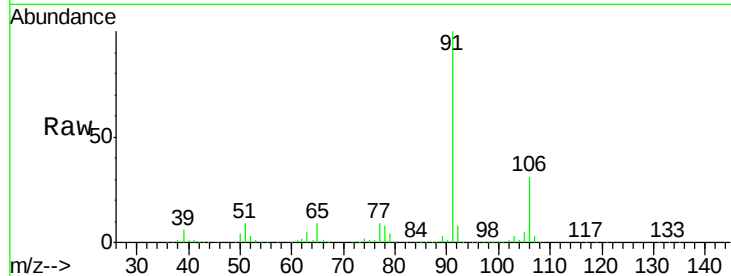
#67
Ethyl Benzene
Concen: 49.84 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion: 91 Resp: 723373
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

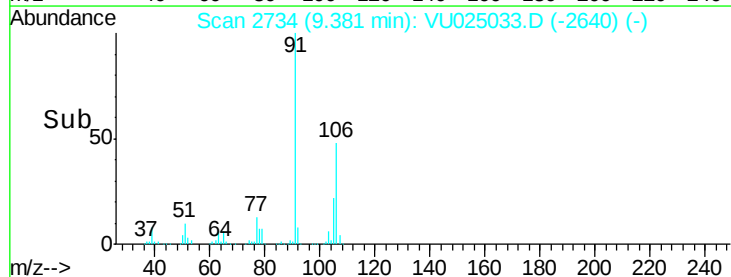
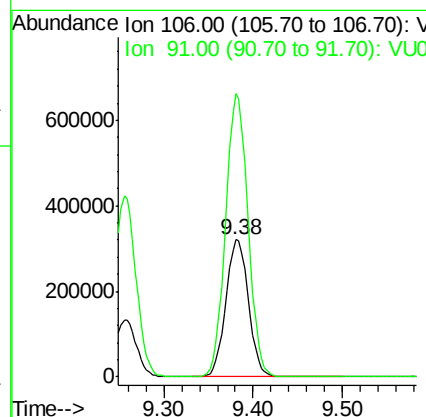
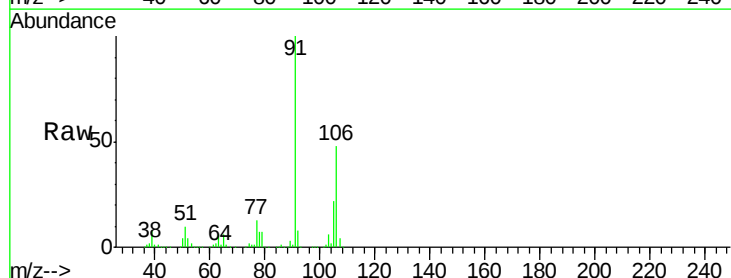
Manual Integrations
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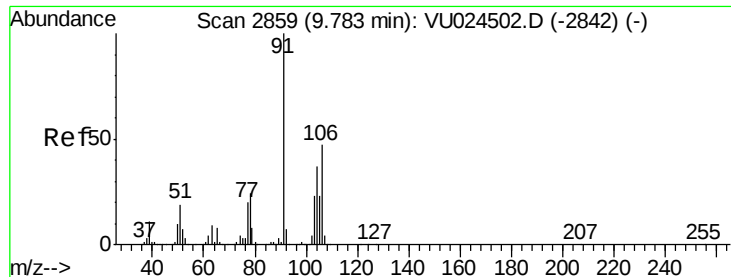
MMDadoda
6/29/2018 4:23:41 PM



#68
m/p-Xylenes
Concen: 100.62 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion: 106 Resp: 560831
Ion Ratio Lower Upper
106 100
91 204.2 166.5 249.7





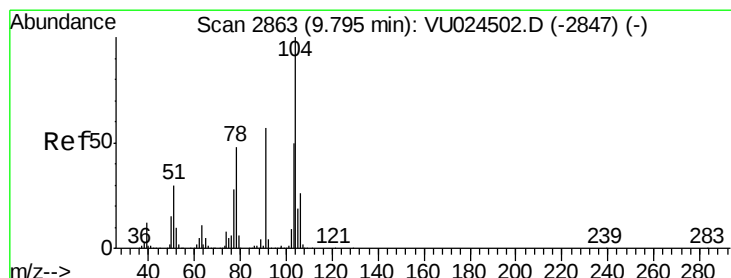
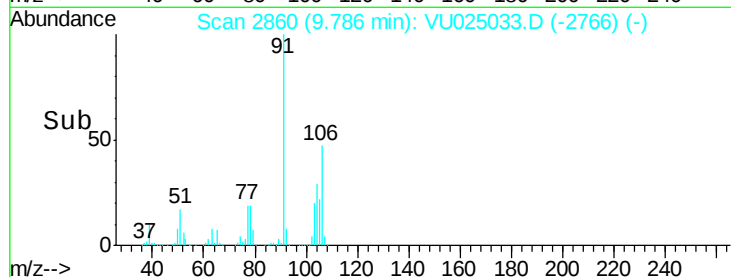
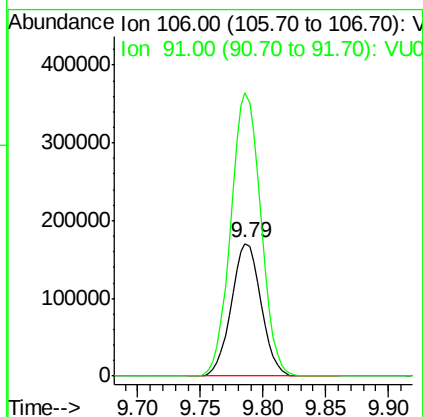
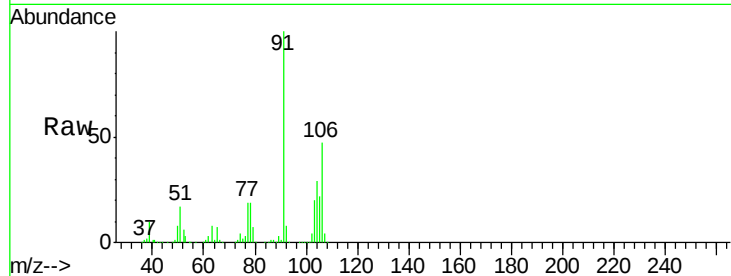
#69
o-Xylene
Concen: 50.87 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.7	110.7	331.9

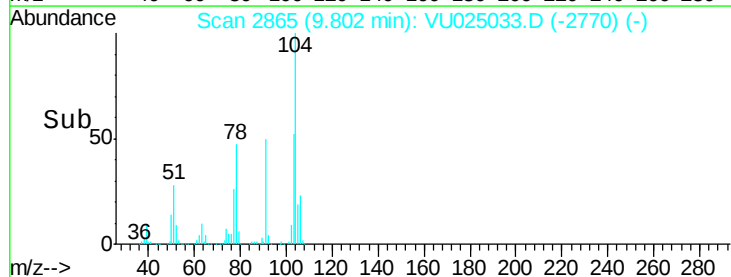
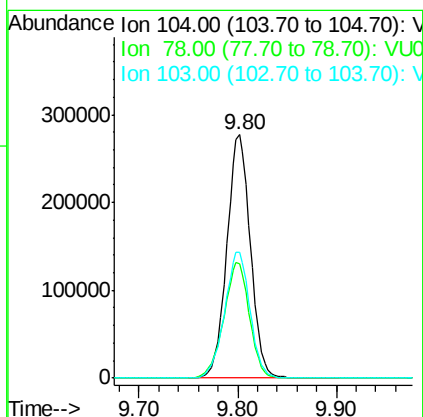
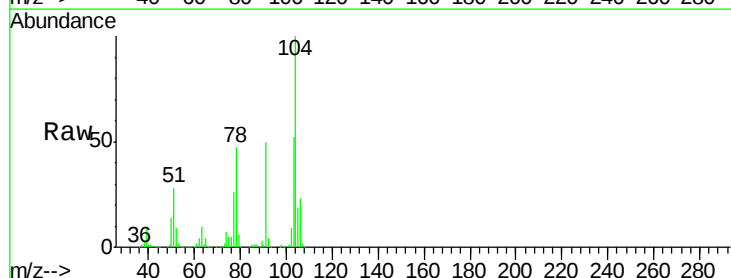
Manual Integrations
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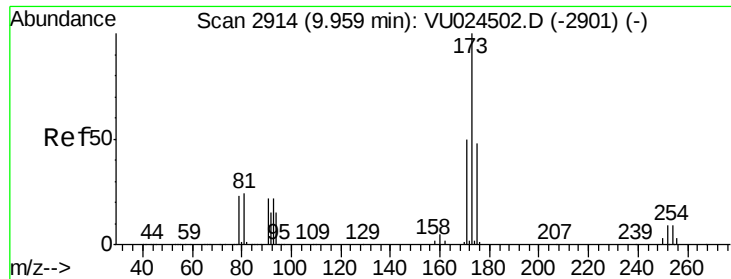
MMDadoda
6/29/2018 4:23:41 PM



#70
Styrene
Concen: 51.12 ug/l
RT: 9.80 min Scan# 2865
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	40.6	60.8
103	55.6	44.7	67.1





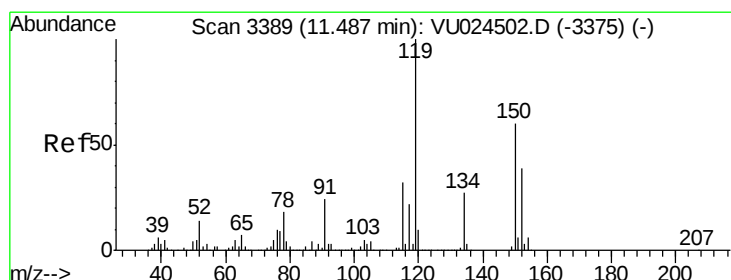
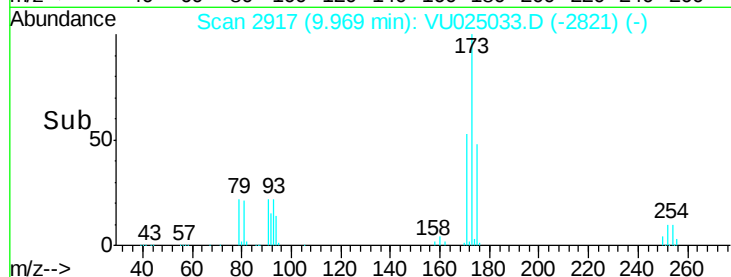
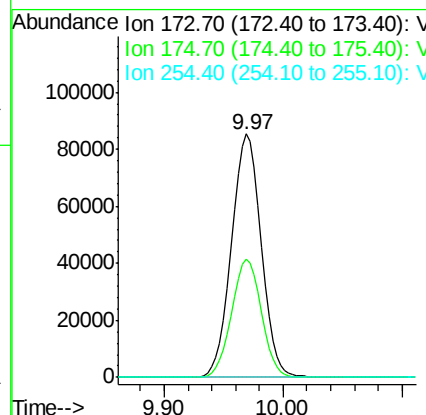
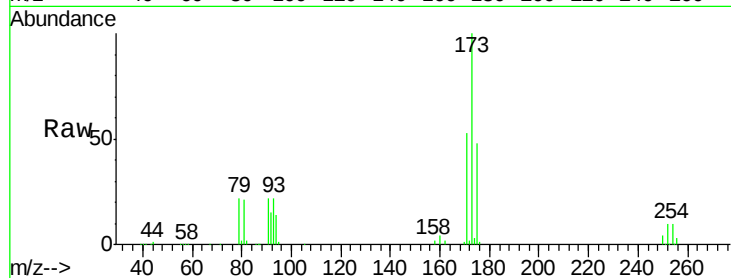
#71
Bromoform
Concen: 49.39 ug/l
RT: 9.97 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	74.0
254	0.1	0.0	0.0

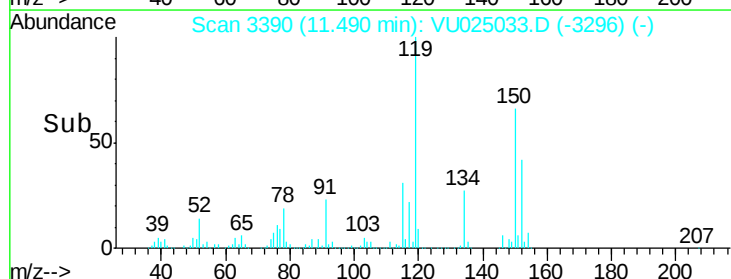
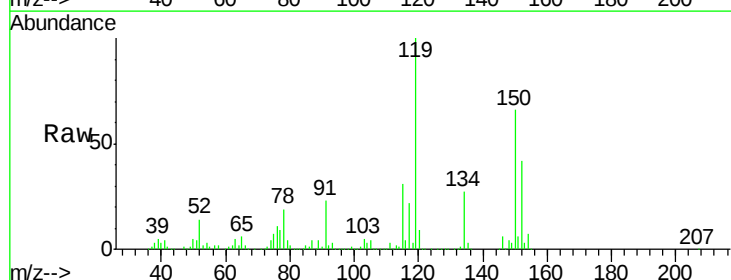
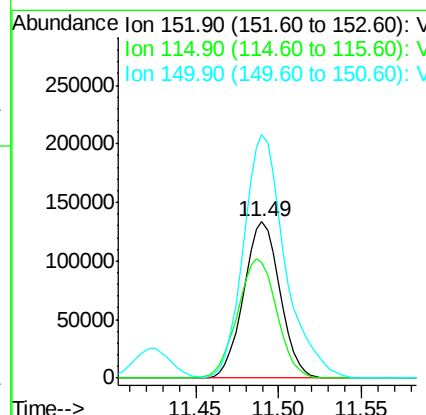
Manual Integrations
APPROVED

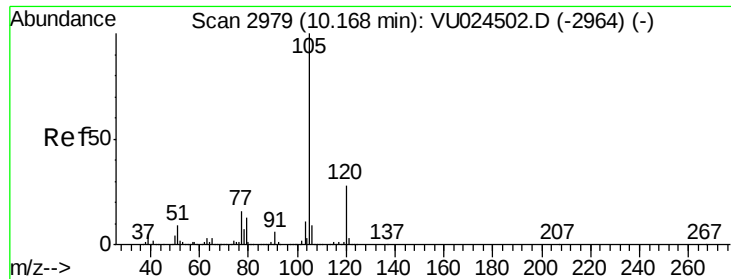
MMDadoda
6/29/2018 4:23:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.2	43.0	129.0
150	178.0	0.0	354.0





#73

Isopropylbenzene

Concen: 48.96 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 105 Resp: 763575

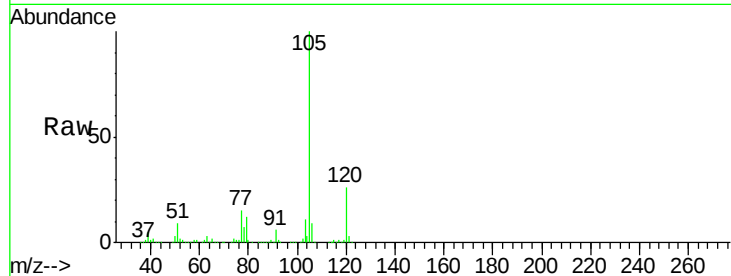
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6

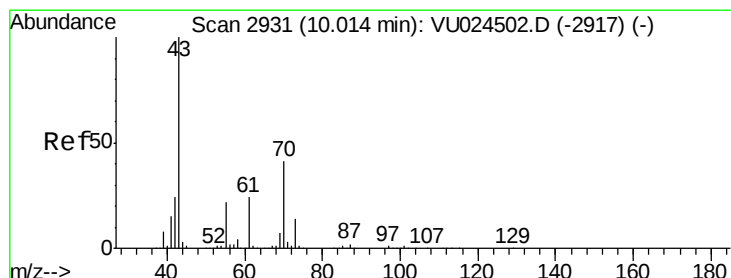
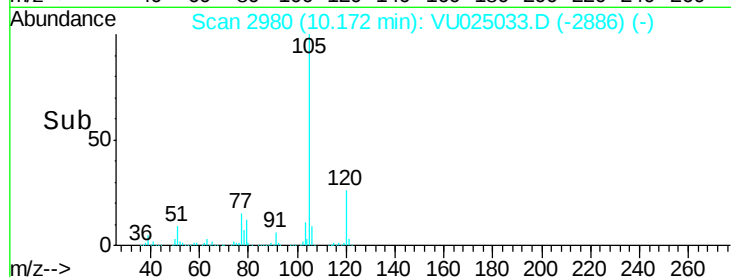
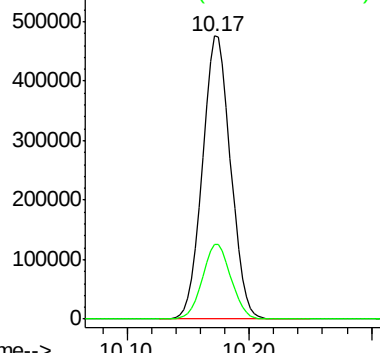
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.53 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion: 43 Resp: 352618

Ion Ratio Lower Upper

43 100

70 42.2 32.2 48.4

55 23.6 20.5 30.7

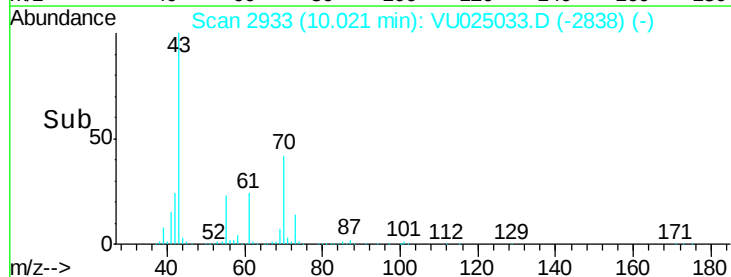
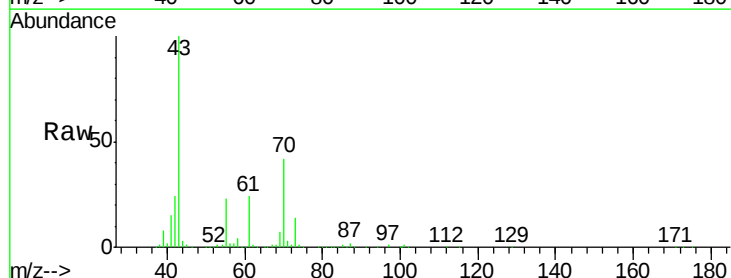
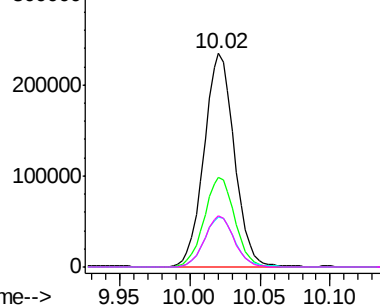
61 23.5 18.7 28.1

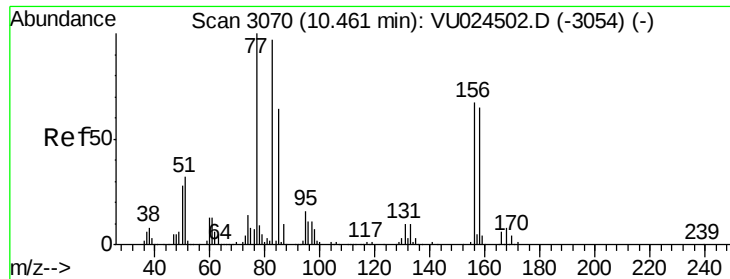
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.11 ug/l

RT: 10.47 min Scan# 3072

Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion: 83 Resp: 267125

Ion Ratio Lower Upper

83 100

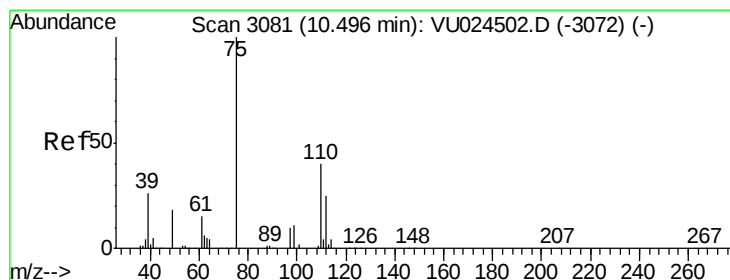
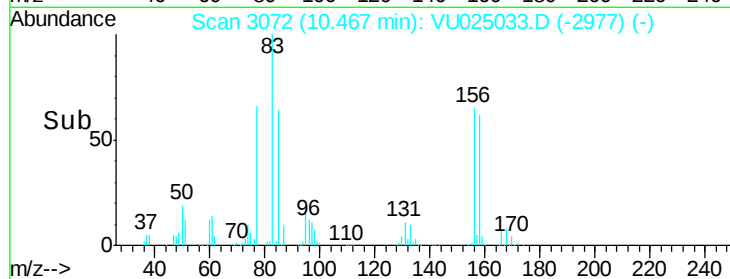
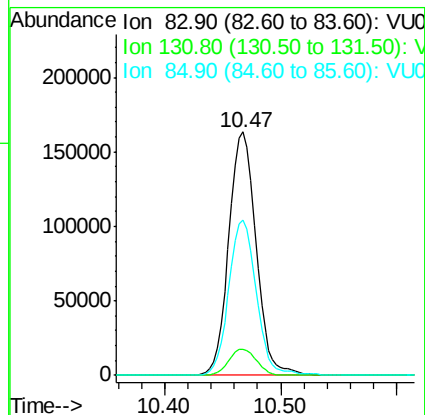
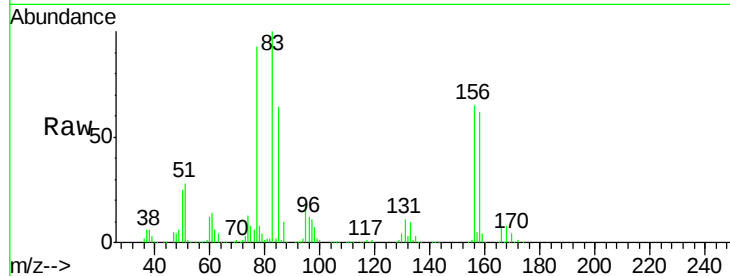
131 10.8 4.7 14.1

85 64.6 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 53.51 ug/l m

RT: 10.50 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VU025033.D

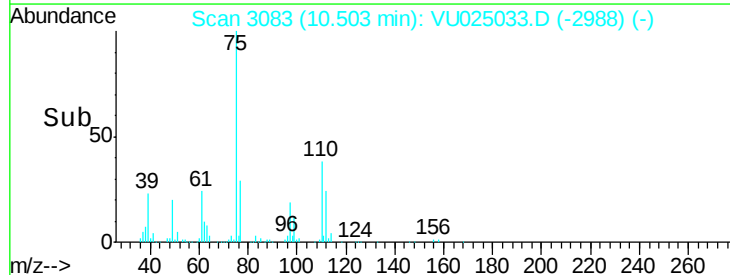
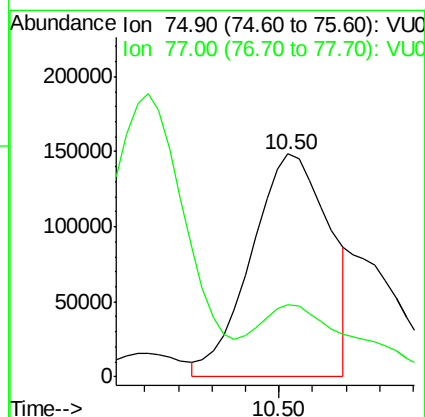
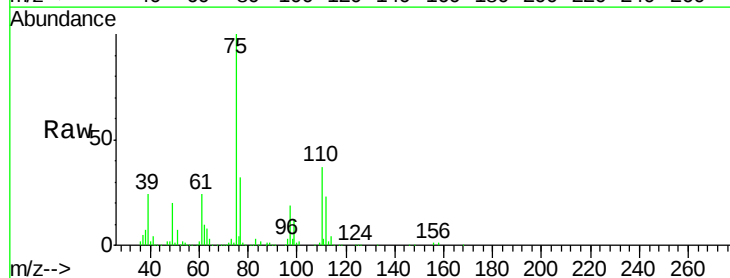
Acq: 28 Jun 2018 20:20

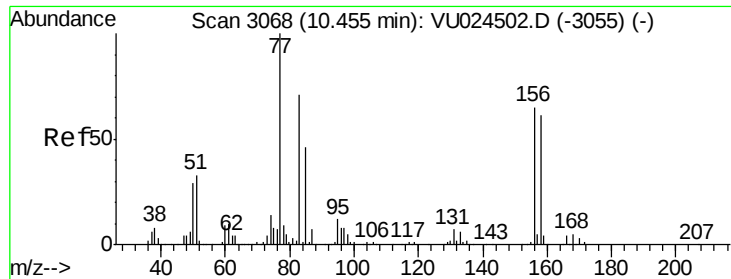
Tgt Ion: 75 Resp: 239328

Ion Ratio Lower Upper

75 100

77 42.5 20.9 62.7





#77

Bromobenzene

Concen: 51.65 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

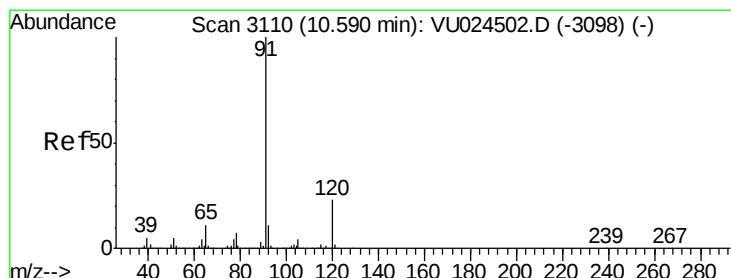
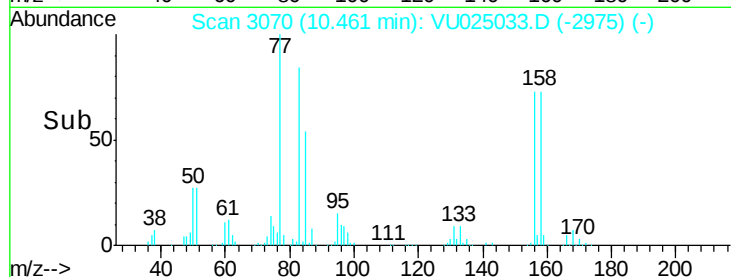
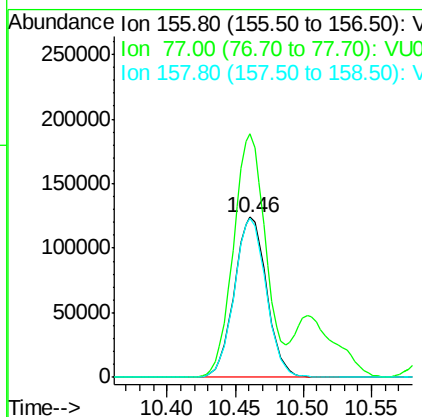
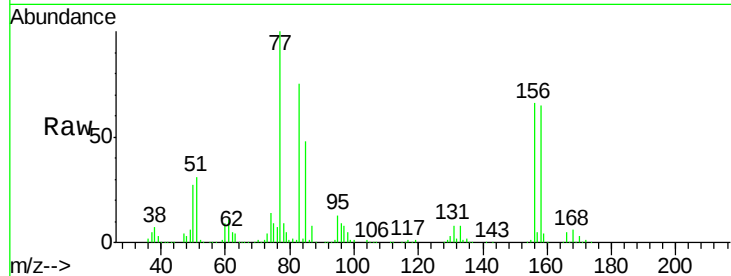
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	156	Resp:	203938
Ion Ratio	Lower	Upper	
156	100		
77	151.8	80.5	241.3
158	98.0	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 47.63 ug/l

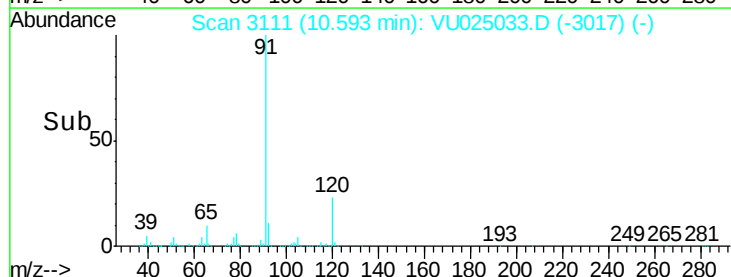
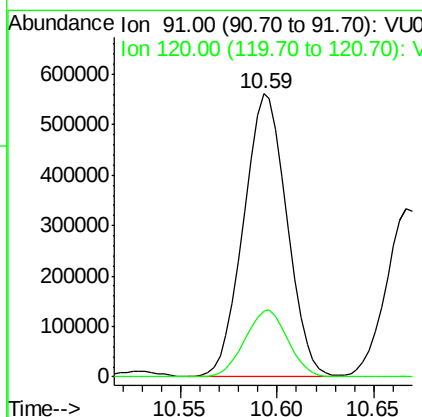
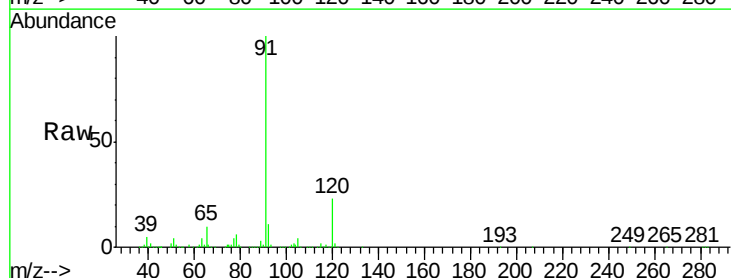
RT: 10.59 min Scan# 3111

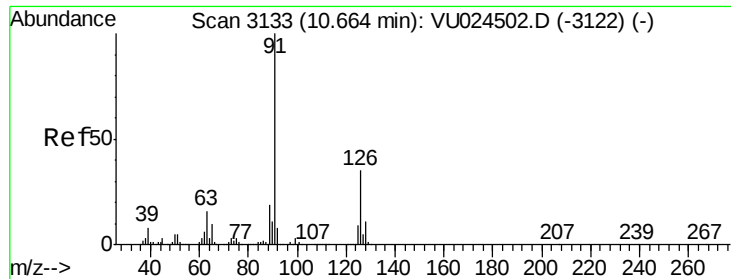
Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	91	Resp:	875035
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.2	33.5





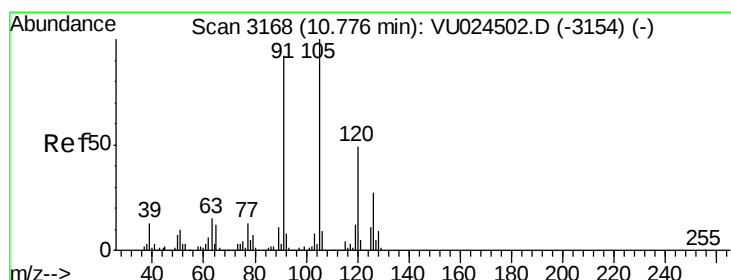
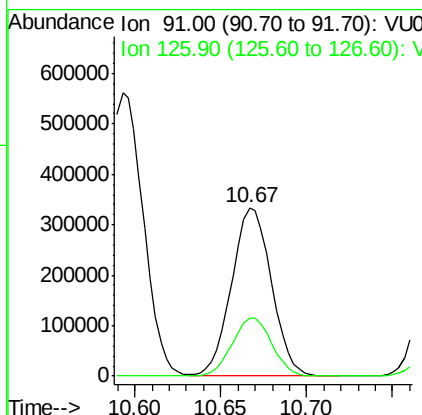
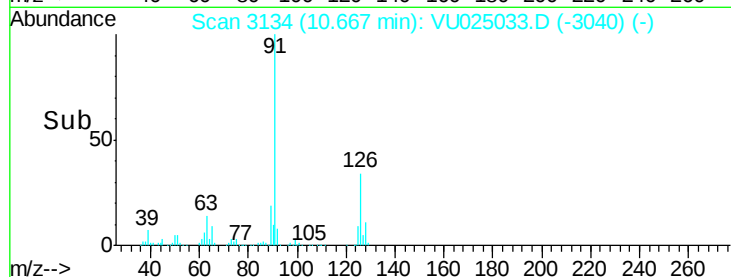
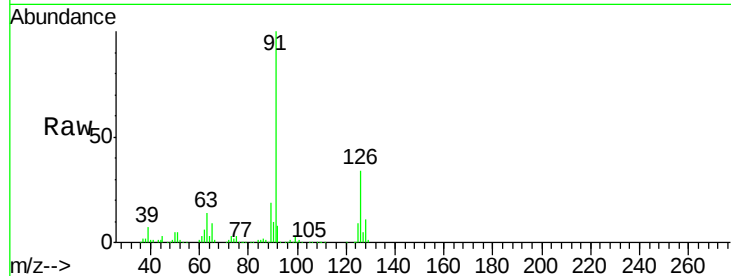
#79
 2-Chlorotoluene
 Concen: 49.36 ug/l
 RT: 10.67 min Scan# 3134
 Delta R.T. 0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion: 91 Resp: 534773
 Ion Ratio Lower Upper
 91 100
 126 34.6 16.9 50.7

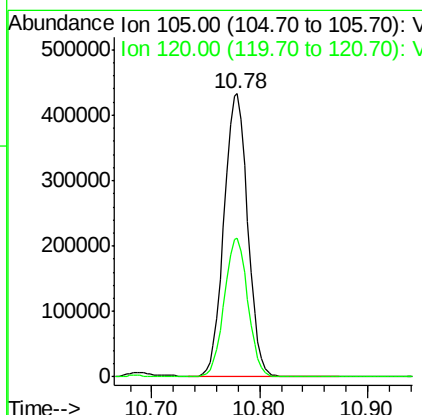
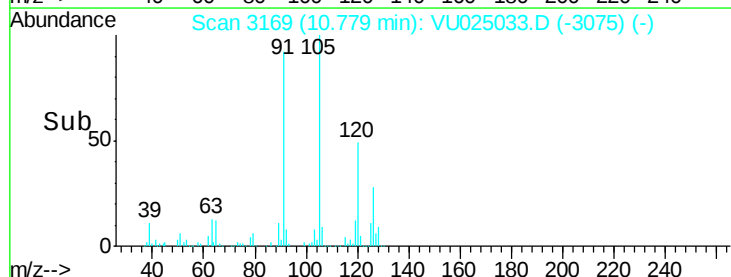
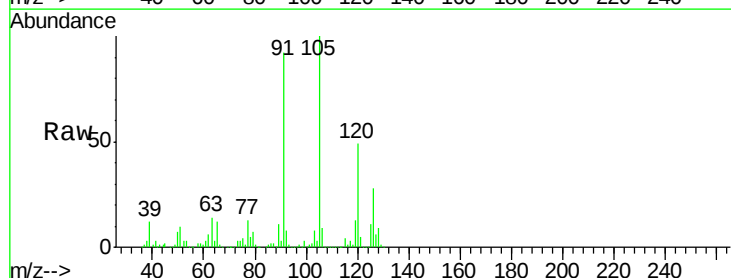
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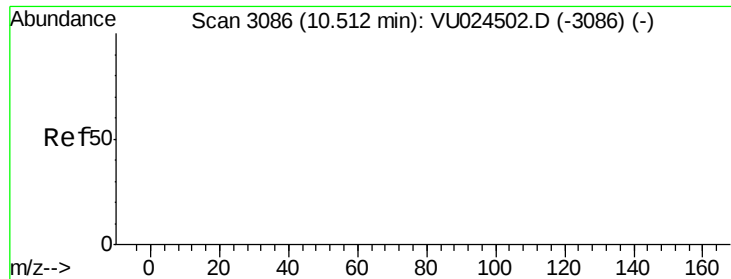
MMDadoda
 6/29/2018 4:23:41 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.01 ug/l
 RT: 10.78 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion: 105 Resp: 662448
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.04 ug/l m

RT: 10.52 min Scan# 3088

Delta R.T. 0.01 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

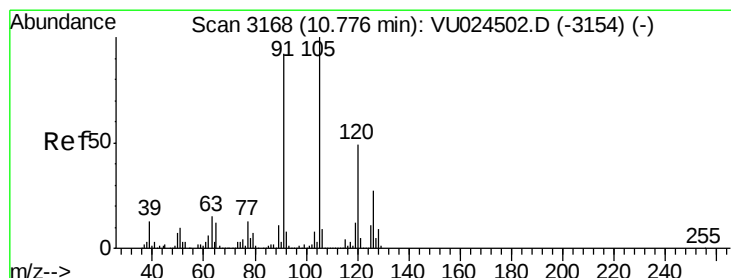
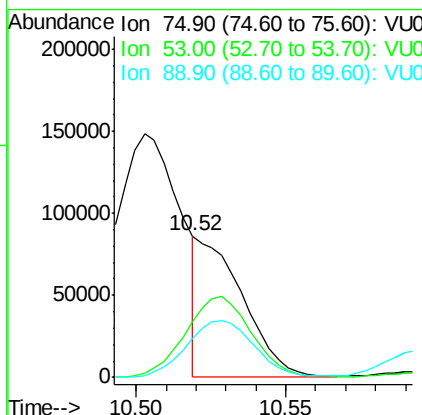
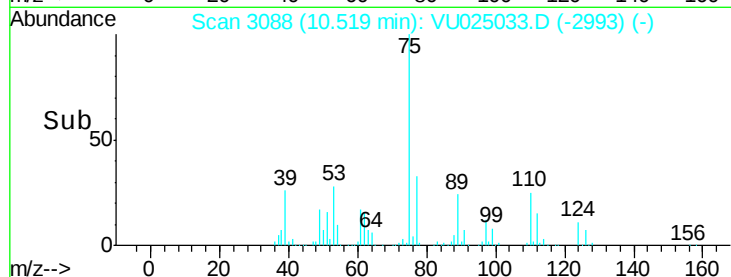
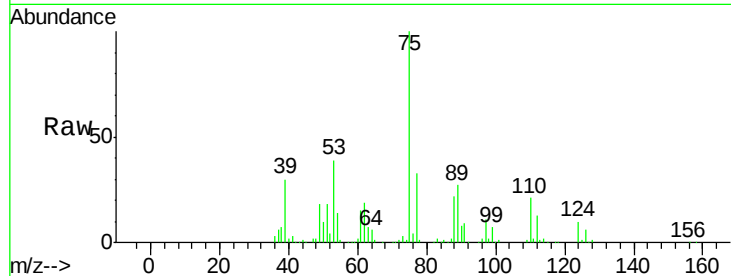
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	75	Resp:	88969
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.16 ug/l

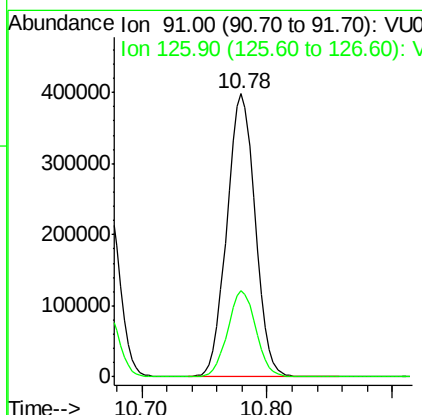
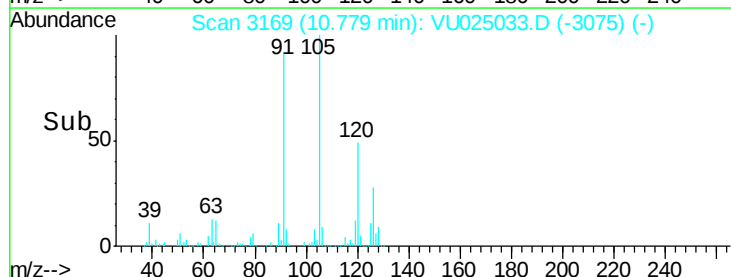
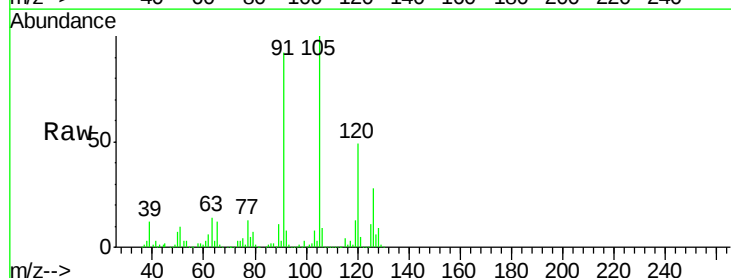
RT: 10.78 min Scan# 3169

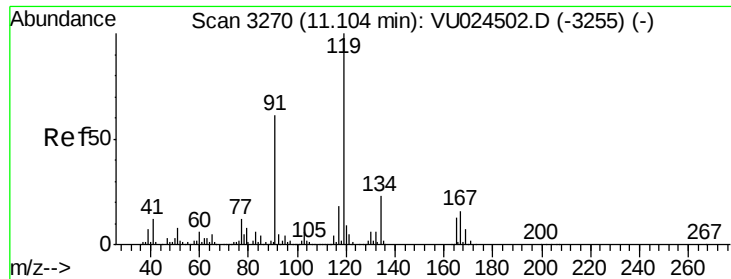
Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	91	Resp:	619954
Ion Ratio	Lower	Upper	
91	100		
126	30.6	14.9	44.9





#83

tert-Butylbenzene

Concen: 50.95 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

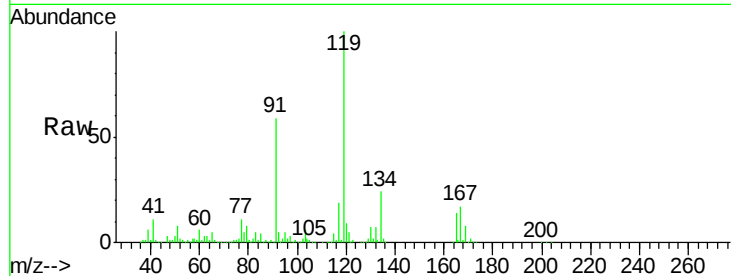
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.7	89.1
134	23.3	11.6	34.7

Manual Integrations
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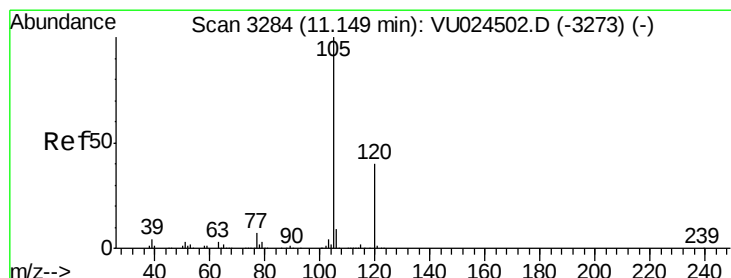
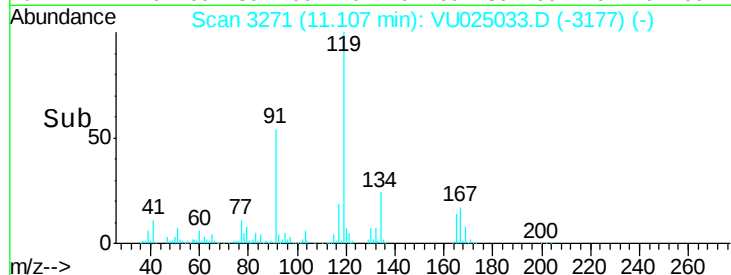
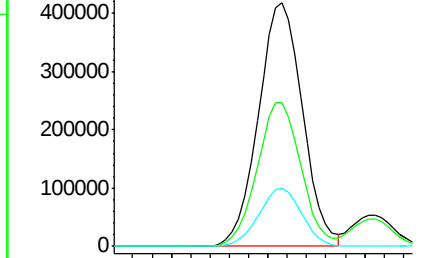
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.20 ug/l

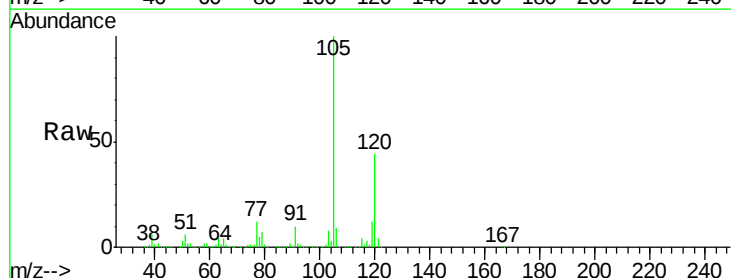
RT: 11.16 min Scan# 3286

Delta R.T. 0.01 min

Lab File: VU025033.D

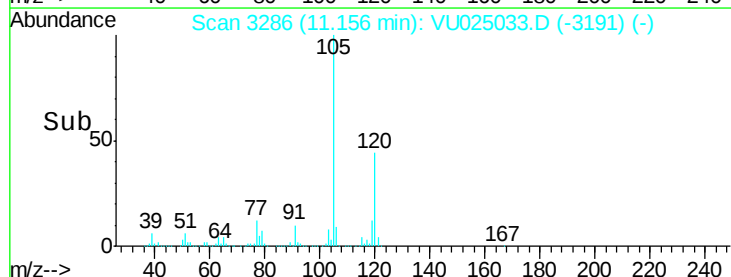
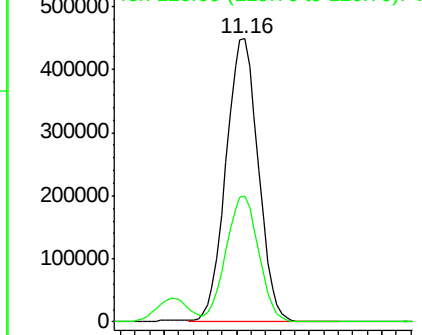
Acq: 28 Jun 2018 20:20

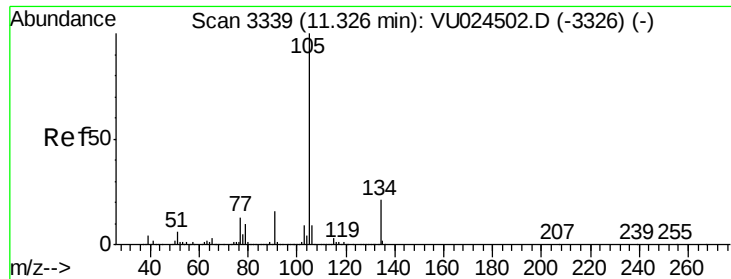
Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.87 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:105 Resp: 795471

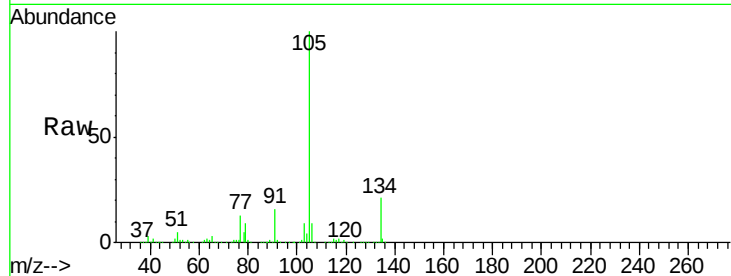
Ion Ratio Lower Upper

105 100

134 20.6 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

200000

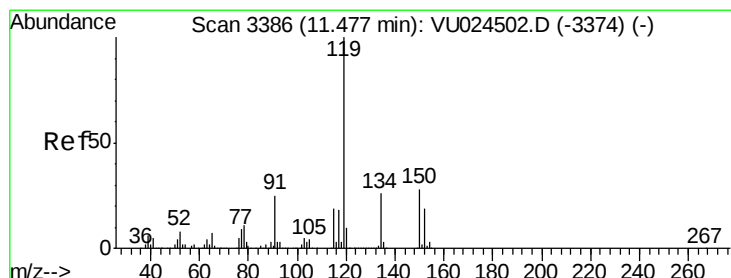
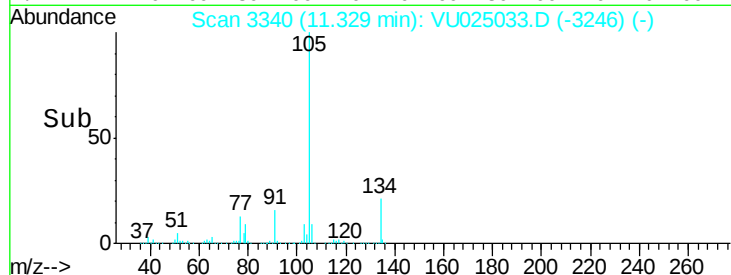
100000

0

11.33

11.40

Time-->



#86

p-Isopropyltoluene

Concen: 48.53 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

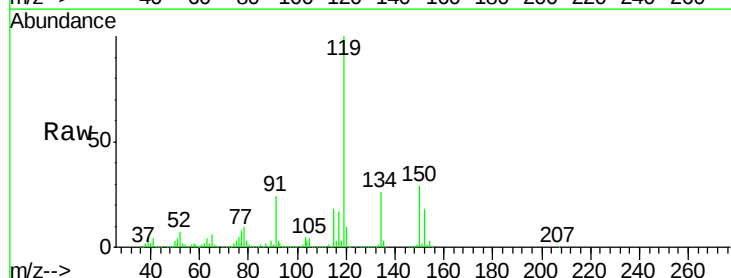
Tgt Ion:119 Resp: 707514

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 23.8 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

500000

400000

300000

200000

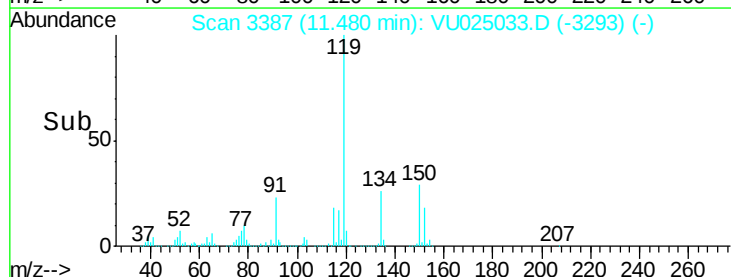
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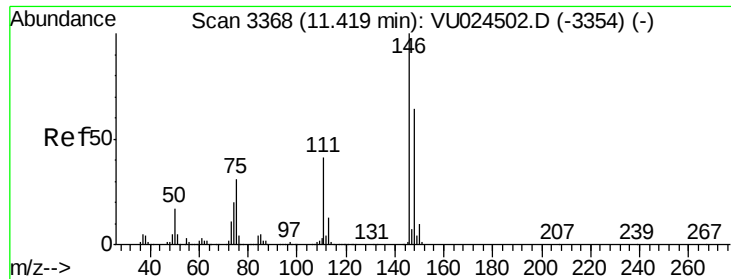
0

11.48

11.50

Time-->





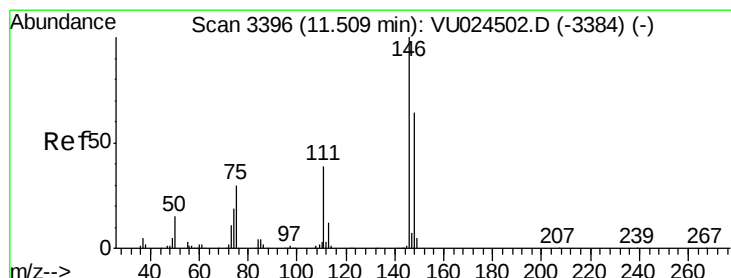
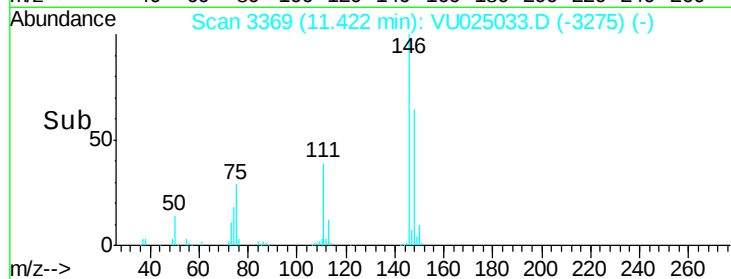
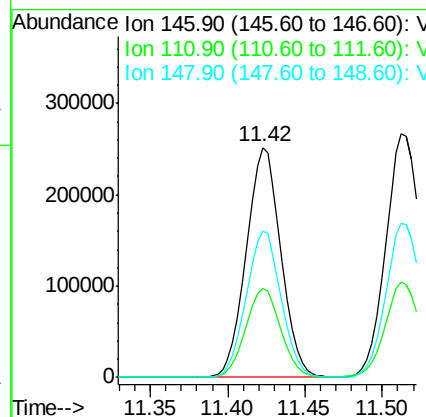
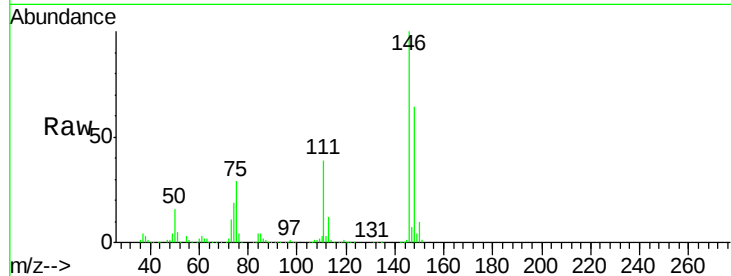
#87
 1,3-Dichlorobenzene
 Concen: 53.84 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	64.0	32.1	96.5

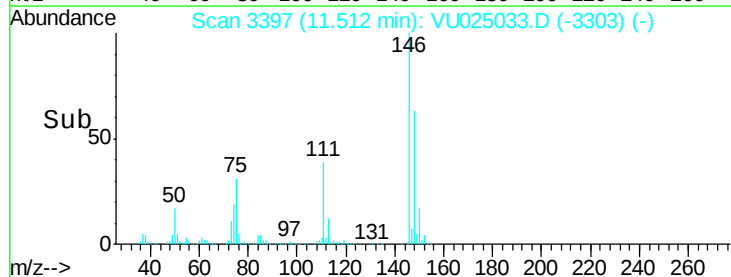
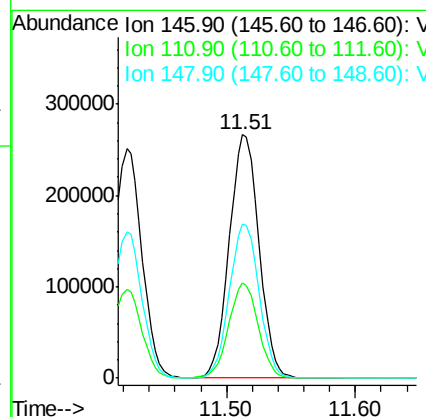
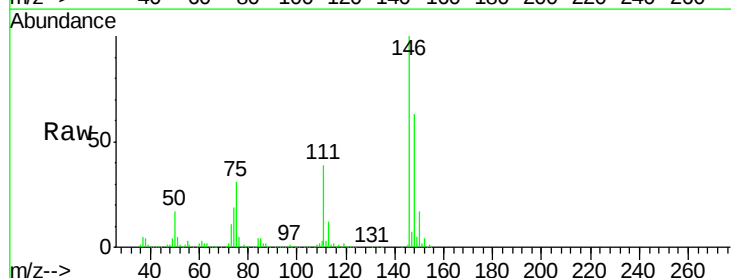
Manual Integrations
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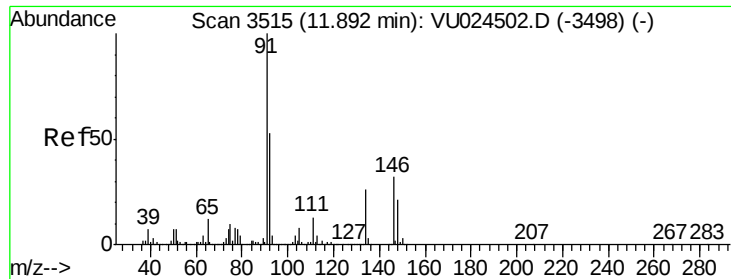
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#88
 1,4-Dichlorobenzene
 Concen: 57.82 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	63.6	32.4	97.0





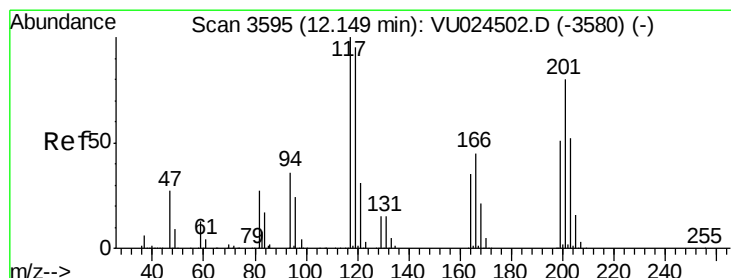
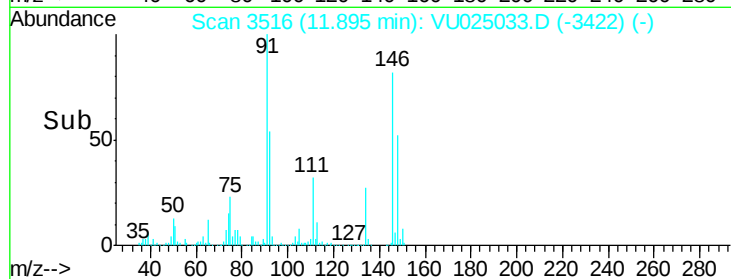
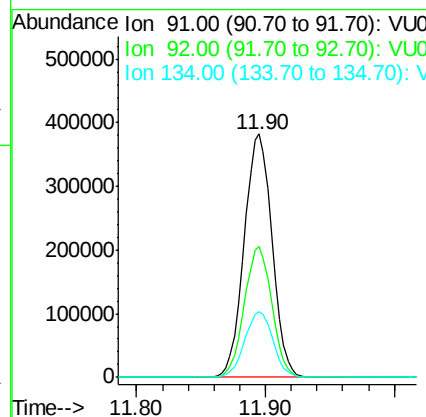
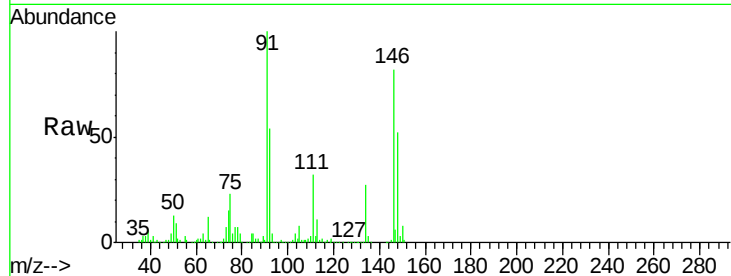
#89
n-Butylbenzene
Concen: 44.41 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.6	76.8
134	27.4	12.3	36.8

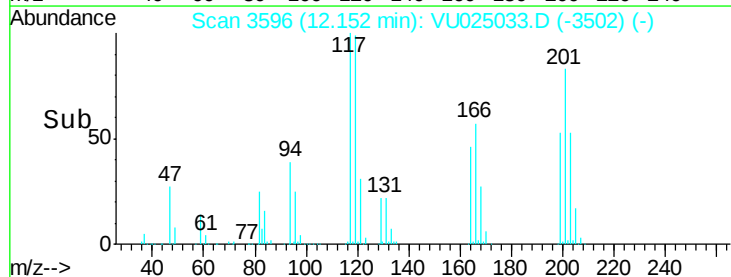
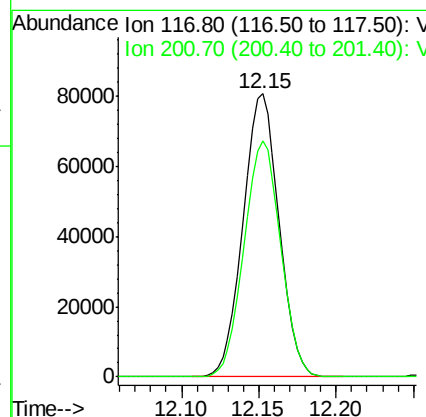
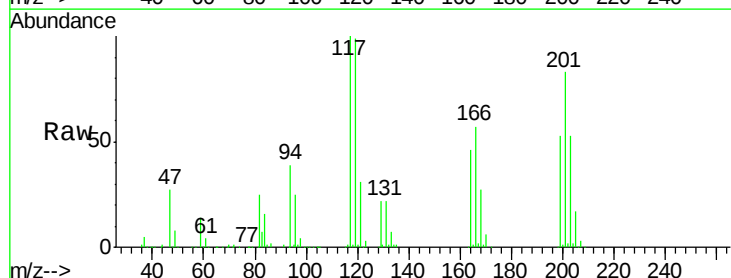
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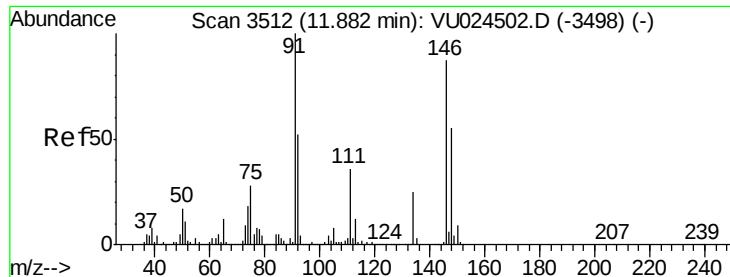
MMDadoda
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#90
Hexachloroethane
Concen: 45.91 ug/l
RT: 12.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU025033.D
Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 102.59 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

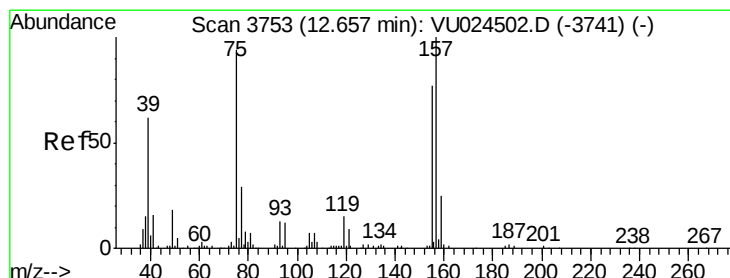
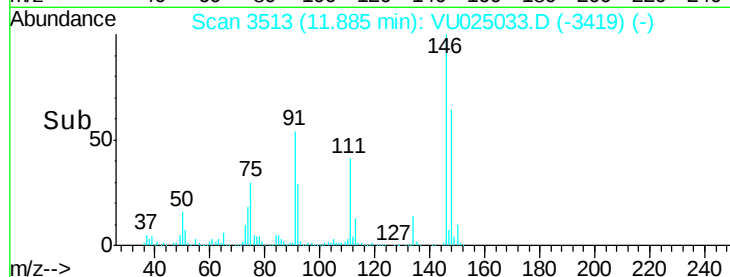
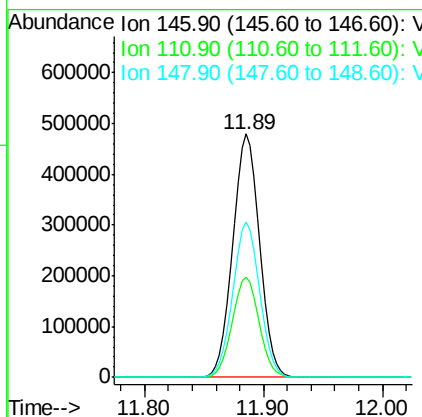
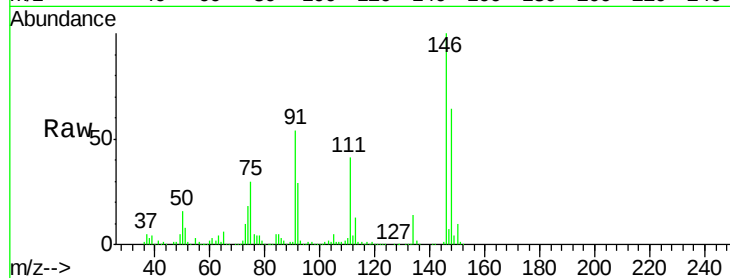
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	146	Resp:	749547
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.5	61.6
148	63.8	31.9	95.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.67 ug/l

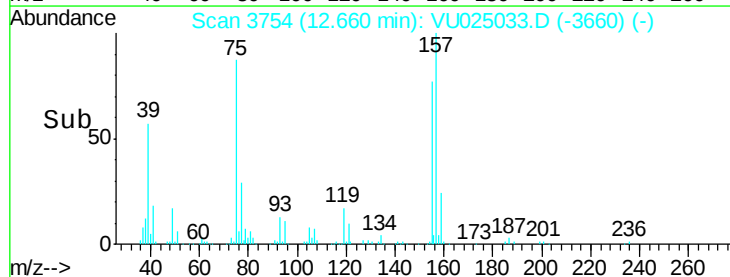
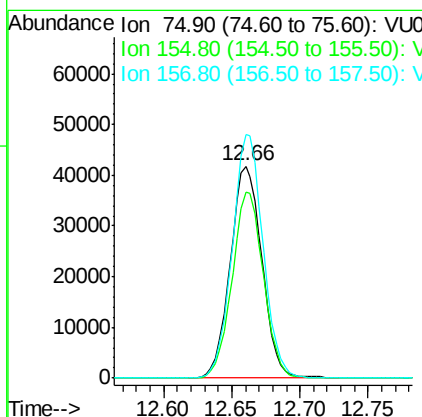
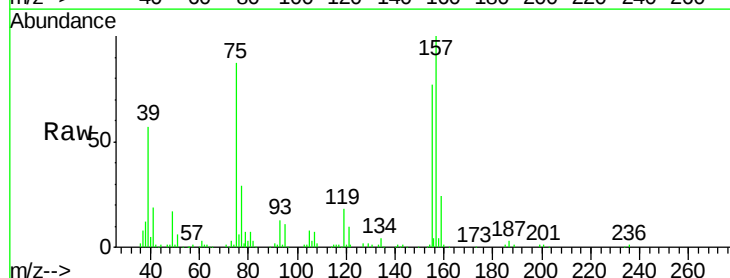
RT: 12.66 min Scan# 3754

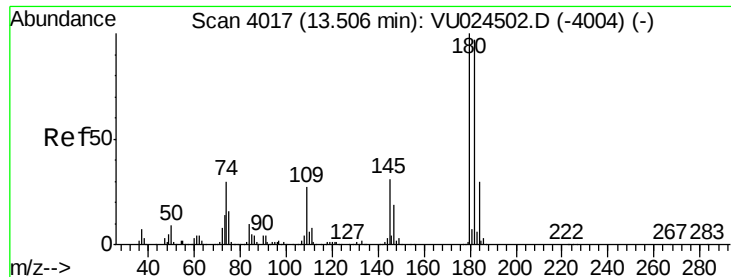
Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	75	Resp:	67301
Ion Ratio	Lower	Upper	
75	100		
155	86.3	40.4	121.2
157	111.5	52.3	156.8





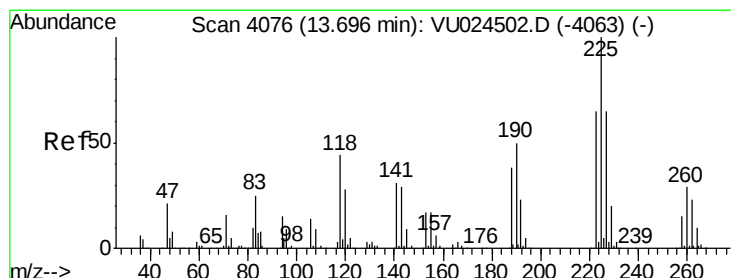
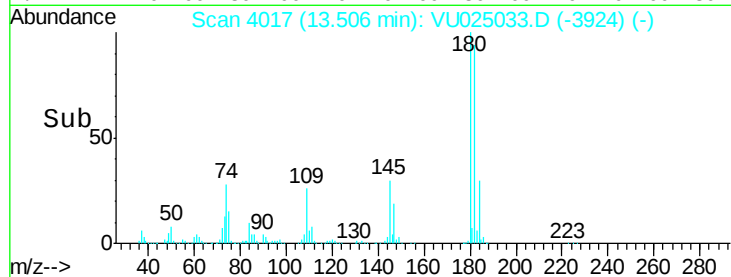
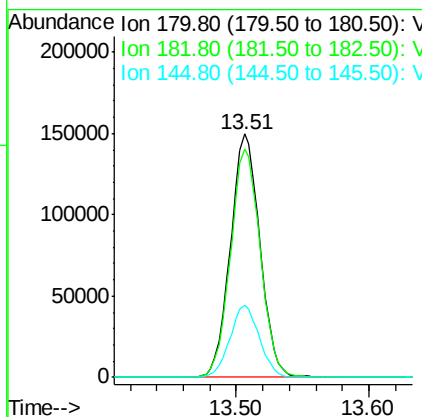
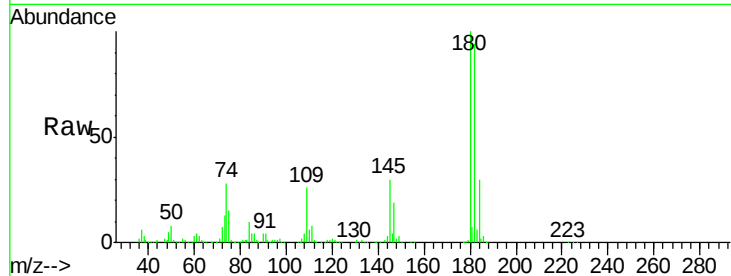
#93
 1,2,4-Trichlorobenzene
 Concen: 51.18 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230922		
182	94.8	48.0	144.2	
145	29.5	14.7	44.1	

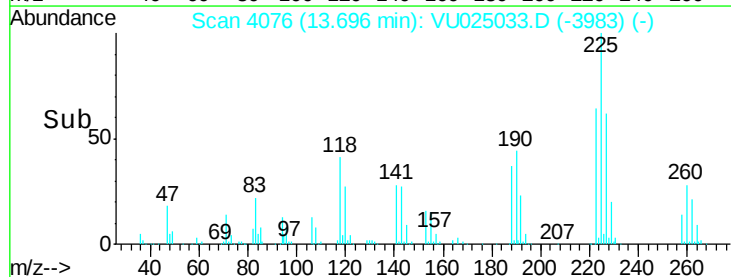
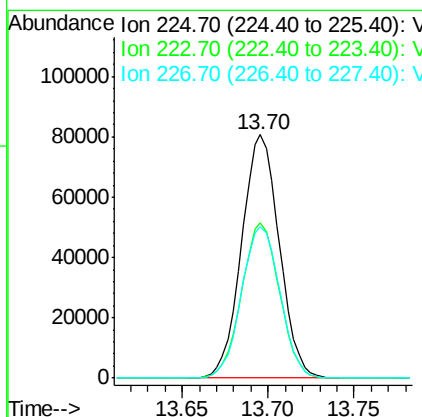
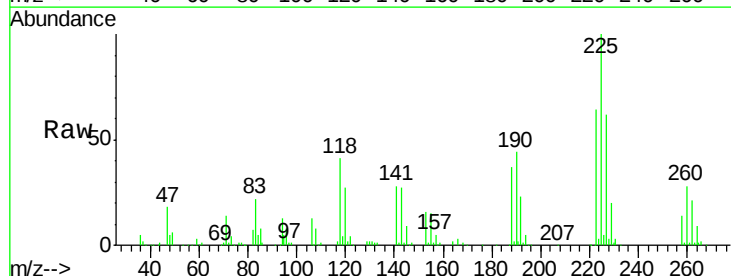
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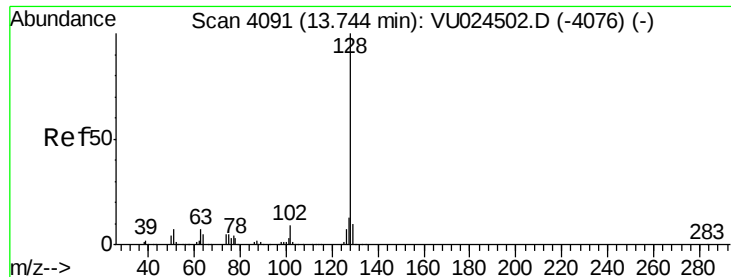
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 6/29/2018 4:23:41 PM



#94
 Hexachlorobutadiene
 Concen: 48.29 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025033.D
 Acq: 28 Jun 2018 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122646		
223	64.0	31.3	93.8	
227	63.8	31.8	95.4	





#95

Naphthalene

Concen: 52.19 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Instrument :

MSVOA_U

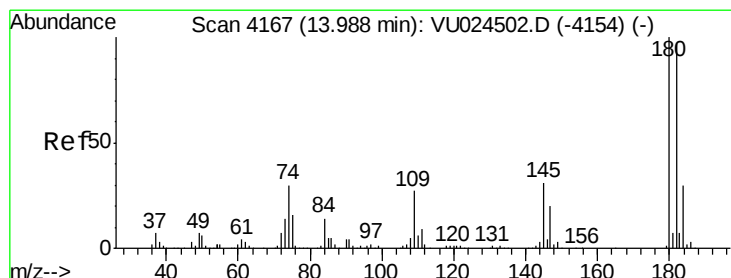
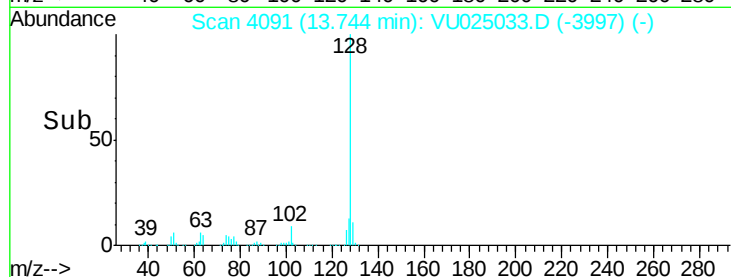
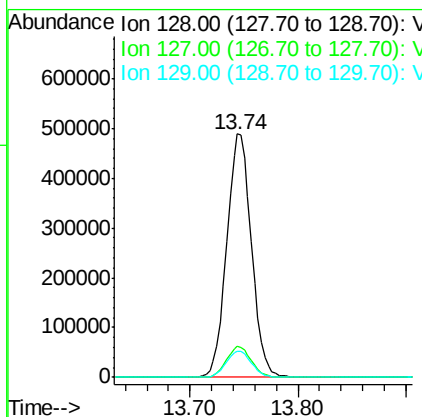
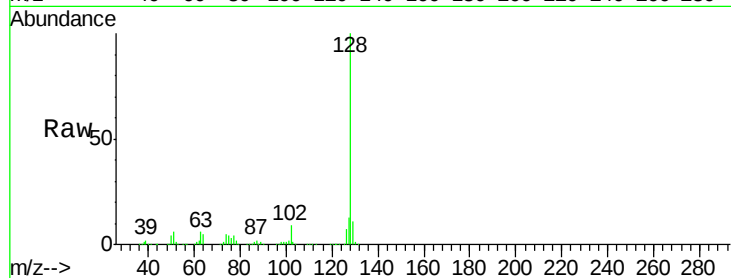
ClientSampleId :

WP021SB472-13-15-180618MSD

Tot Ion:	128	Resp:	779993
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.77 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025033.D

Acq: 28 Jun 2018 20:20

Tgt Ion:	180	Resp:	237250
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.7
145	32.0	15.4	46.1

