

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025032.D
 Acq On : 28 Jun 2018 19:56
 Operator : MD/SY
 Sample : J3663-03MS
 Misc : 6.20µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
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MMDadoda
 6/29/2018 4:23:45 PM

Quant Time: Jun 29 07:36:46 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	190058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	291254	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	293660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	188630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	132823	42.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.62%		
35) Dibromofluoromethane	4.89	113	108009	44.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.36%		
50) Toluene-d8	7.57	98	371240	42.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.22%		
62) 4-Bromofluorobenzene	10.31	95	170716	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	91735	38.56	ug/l	98
3) Chloromethane	1.32	50	101231	41.65	ug/l	98
4) Vinyl Chloride	1.40	62	113441	45.26	ug/l	99
5) Bromomethane	1.60	94	33637	27.76	ug/l	98
6) Chloroethane	1.66	64	41119	28.91	ug/l	99
7) Trichlorofluoromethane	1.82	101	163996	42.87	ug/l	99
8) Diethyl Ether	2.10	74	70887	54.63	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.25	101	103447	43.59	ug/l	96
10) Methyl Iodide	2.38	142	107394	53.11	ug/l	97
11) Tert butyl alcohol	2.83	59	15051	19.95	ug/l #	72
12) 1,1-Dichloroethene	2.25	96	98378	45.46	ug/l	95
13) Acrolein	2.20	56	39154	98.81	ug/l	96
14) Allyl chloride	2.57	41	185149	46.08	ug/l	88
15) Acrylonitrile	2.95	53	383024	260.88	ug/l	99
16) Acetone	2.35	43	370208	222.07	ug/l	97
17) Carbon Disulfide	2.45	76	290953	41.99	ug/l	99
18) Methyl Acetate	2.62	43	227514	63.66	ug/l	98
19) Methyl tert-butyl Ether	3.01	73	412085	50.66	ug/l	97
20) Methylene Chloride	2.69	84	123594	47.25	ug/l	95
21) trans-1,2-Dichloroethene	2.97	96	115483	48.45	ug/l	96
22) Diisopropyl ether	3.58	45	391509	49.15	ug/l	95
23) Vinyl Acetate	3.53	43	1659636	232.59	ug/l	98
24) 1,1-Dichloroethane	3.44	63	223281	48.73	ug/l	99
25) 2-Butanone	4.28	43	550427	245.80	ug/l	98
26) 2,2-Dichloropropane	4.22	77	176174	40.49	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	136457	49.80	ug/l	98
28) Bromochloromethane	4.55	49	84423	41.83	ug/l	84
29) Tetrahydrofuran	4.65	42	349932	252.35	ug/l	96
30) Chloroform	4.68	83	235261	50.72	ug/l	98
31) Cyclohexane	4.99	56	199762	49.05	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	212842	49.63	ug/l	95
36) 1,1-Dichloropropene	5.13	75	169488	49.52	ug/l	98
37) Ethyl Acetate	4.39	43	211930	56.81	ug/l	99
38) Carbon Tetrachloride	5.13	117	187796	49.90	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	204380	47.85	ug/l	95
40) Benzene	5.39	78	495535	50.81	ug/l	100
41) Methacrylonitrile	4.55	41	103592	51.51	ug/l	93
42) 1,2-Dichloroethane	5.41	62	202393	54.49	ug/l	99
43) Isopropyl Acetate	5.56	43	321076	49.80	ug/l	98
44) Trichloroethene	6.19	130	137451	49.52	ug/l	95
45) 1,2-Dichloropropane	6.44	63	132487	50.92	ug/l	100
46) Dibromomethane	6.56	93	94943	51.95	ug/l	93
47) Bromodichloromethane	6.76	83	182723	50.20	ug/l	97
48) Methyl methacrylate	6.63	41	167809	53.45	ug/l	98
49) 1,4-Dioxane	6.64	88	72552	1181.60	ug/l #	89
51) 4-Methyl-2-Pentanone	7.48	43	1112042	274.52	ug/l	97
52) Toluene	7.64	92	325655	51.90	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	206174	50.44	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	207628	47.67	ug/l	99
55) 1,1,2-Trichloroethane	8.08	97	140598	55.13	ug/l	97
56) Ethyl methacrylate	8.03	69	226990	53.18	ug/l	99
57) 1,3-Dichloropropane	8.25	76	230298	53.53	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.14	63	654	0.40	ug/l #	50
59) 2-Hexanone	8.38	43	913276	276.15	ug/l	99
60) Dibromochloromethane	8.49	129	159634	50.19	ug/l	100
61) 1,2-Dibromoethane	8.59	107	151872	53.50	ug/l	99
64) Tetrachloroethene	8.23	164	131157	46.99	ug/l	98
65) Chlorobenzene	9.13	112	414233	55.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.22	131	145939	51.20	ug/l	98
67) Ethyl Benzene	9.26	91	664057	50.49	ug/l	99
68) m/p-Xylenes	9.38	106	519533	102.87	ug/l	96
69) o-Xylene	9.79	106	258293	51.68	ug/l	97
70) Styrene	9.80	104	425772	51.84	ug/l	99
71) Bromoform	9.97	173	137604	50.79	ug/l #	98
73) Isopropylbenzene	10.17	105	706685	48.80	ug/l	100
74) N-amyl acetate	10.02	43	325614	47.27	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	250714	51.66	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	222586m	53.60	ug/l	
77) Bromobenzene	10.46	156	186529	50.88	ug/l	95
78) n-propylbenzene	10.59	91	813731	47.70	ug/l	97
79) 2-Chlorotoluene	10.67	91	492846	48.99	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	610703	48.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	80635m	44.94	ug/l	
82) 4-Chlorotoluene	10.78	91	571419	48.80	ug/l	99
83) tert-Butylbenzene	11.11	119	620745	51.41	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	641226	50.13	ug/l	99
85) sec-Butylbenzene	11.33	105	745005	49.29	ug/l	98
86) p-Isopropyltoluene	11.48	119	657272	48.56	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	355953	52.55	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	370653	54.37	ug/l	99
89) n-Butylbenzene	11.90	91	539652	44.90	ug/l	97
90) Hexachloroethane	12.15	117	122045	46.22	ug/l	95
91) 1,2-Dichlorobenzene	11.89	146	544375	80.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	62449	46.64	ug/l	94

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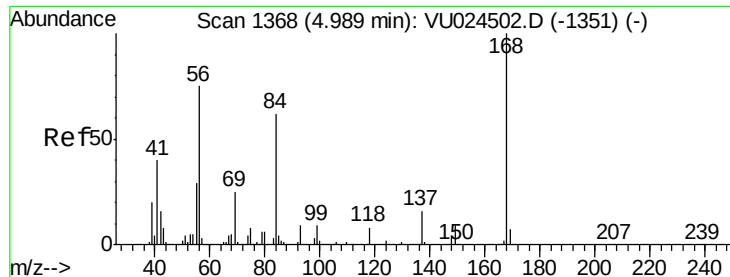
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	213887	51.05	ug/l	98
94) Hexachlorobutadiene	13.70	225	117248	49.72	ug/l	100
95) Naphthalene	13.75	128	697649	50.30	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	220521	52.82	ug/l	98

(#) = 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: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:168 Resp: 190058

Ion Ratio Lower Upper

168 100

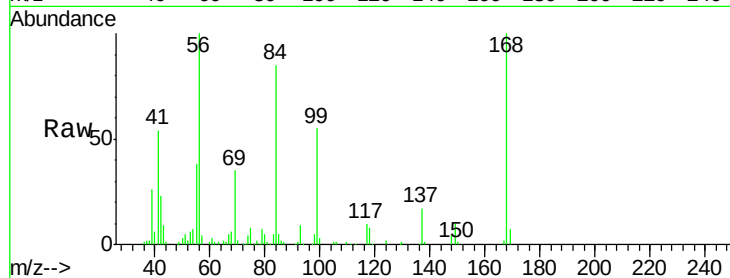
99 54.9 43.2 64.8

Manual Integrations

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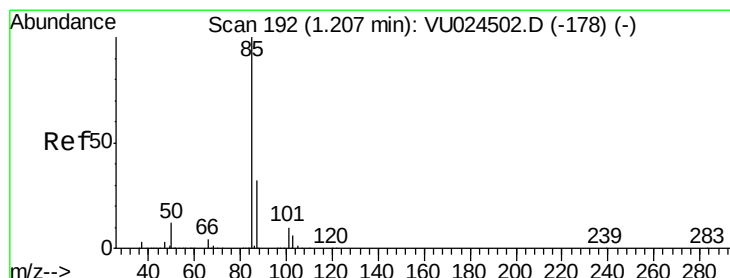
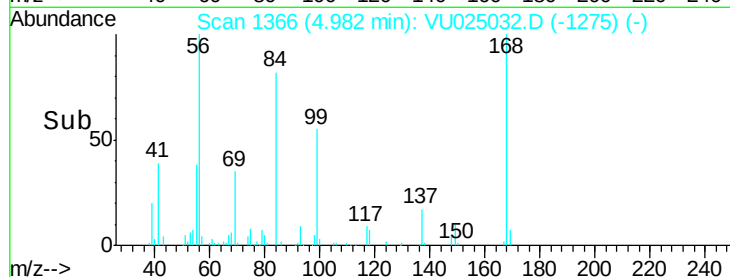
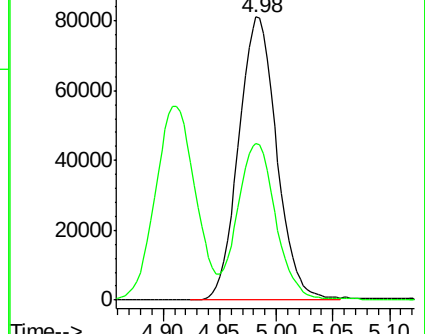
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 38.56 ug/l

RT: 1.20 min Scan# 190

Delta R.T. -0.01 min

Lab File: VU025032.D

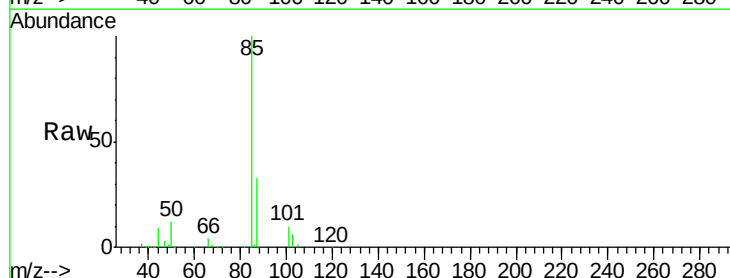
Acq: 28 Jun 2018 19:56

Tgt Ion: 85 Resp: 91735

Ion Ratio Lower Upper

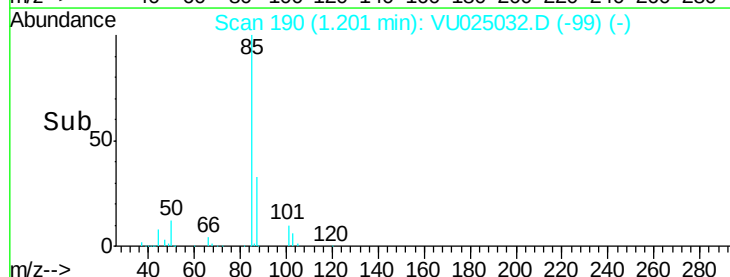
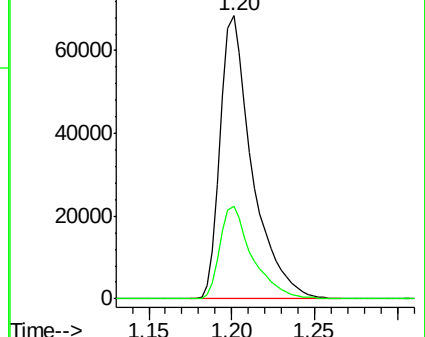
85 100

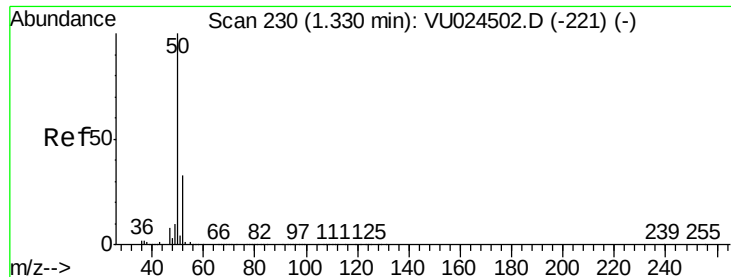
87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 41.65 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 50 Resp: 101231

Ion Ratio Lower Upper

50 100

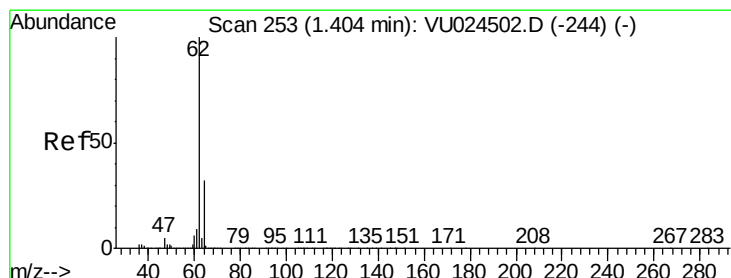
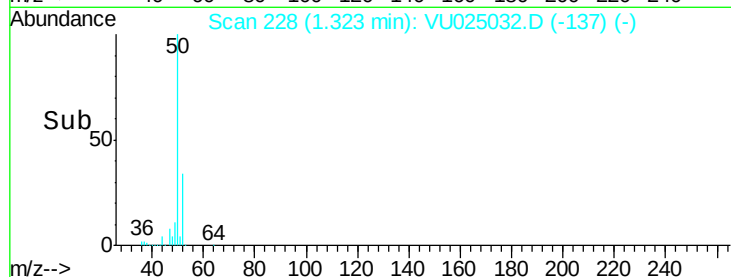
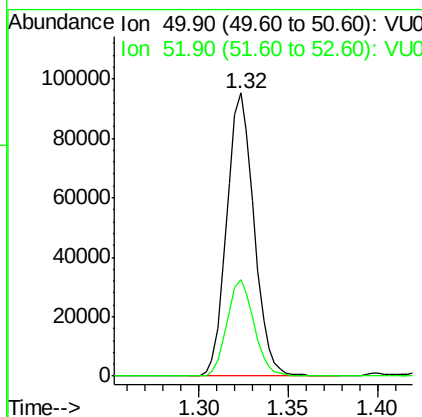
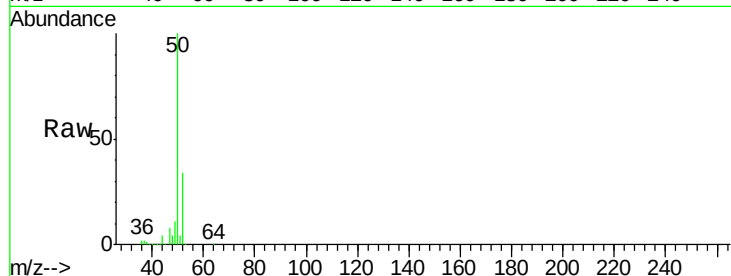
52 33.9 26.4 39.6

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#4

Vinyl Chloride

Concen: 45.26 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025032.D

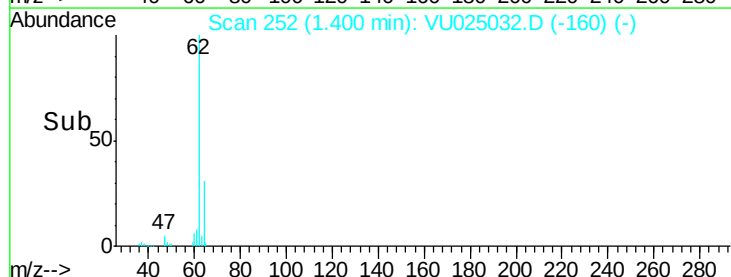
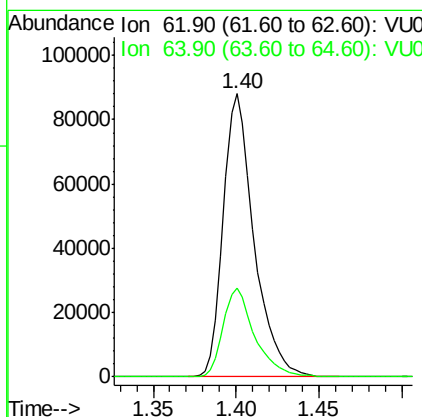
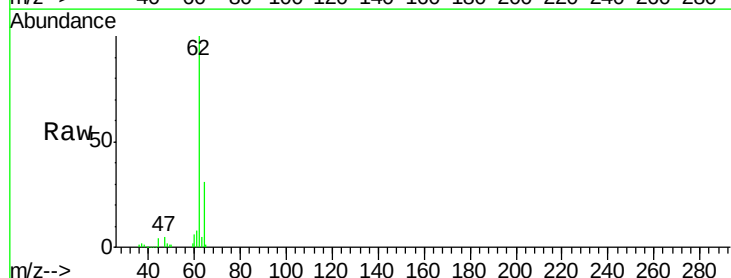
Acq: 28 Jun 2018 19:56

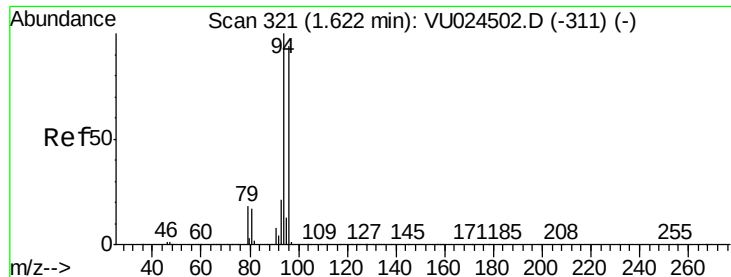
Tgt Ion: 62 Resp: 113441

Ion Ratio Lower Upper

62 100

64 31.3 24.8 37.2





#5

Bromomethane

Concen: 27.76 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 33637

Ion Ratio Lower Upper

94 100

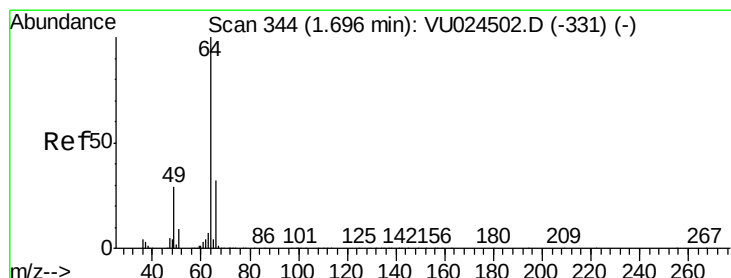
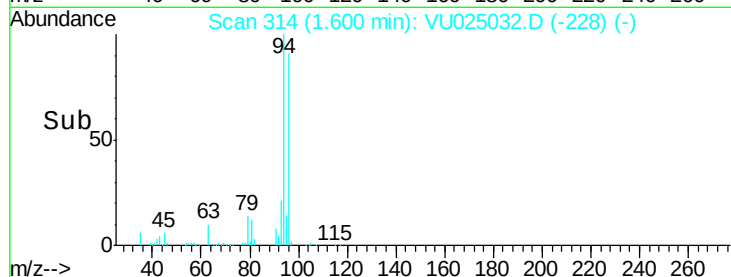
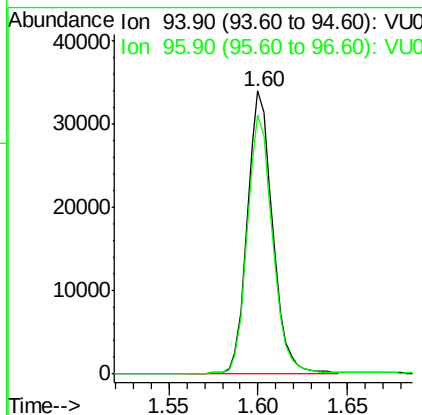
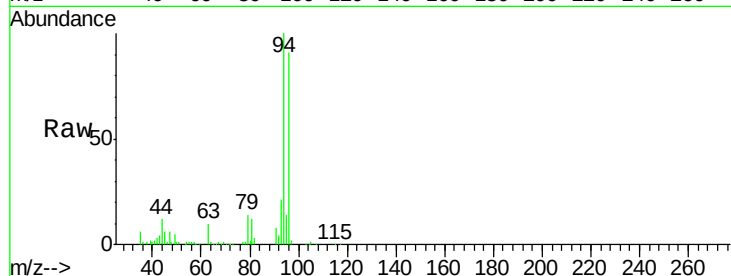
96 91.3 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 28.91 ug/l

RT: 1.66 min Scan# 333

Delta R.T. -0.04 min

Lab File: VU025032.D

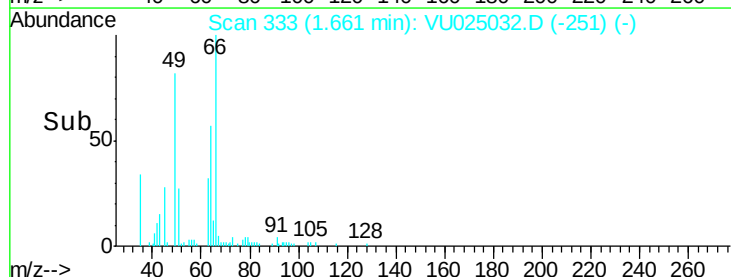
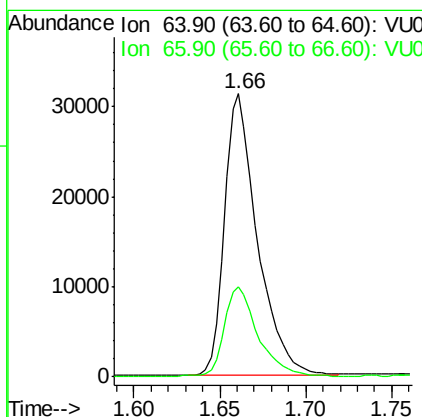
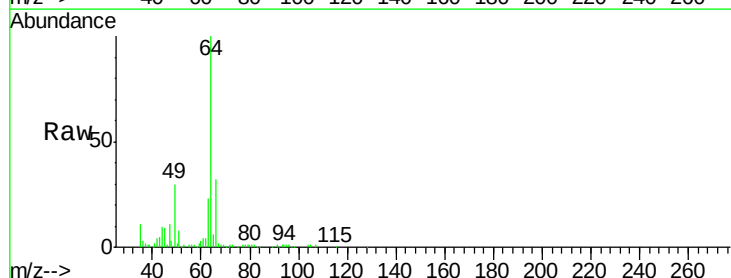
Acq: 28 Jun 2018 19:56

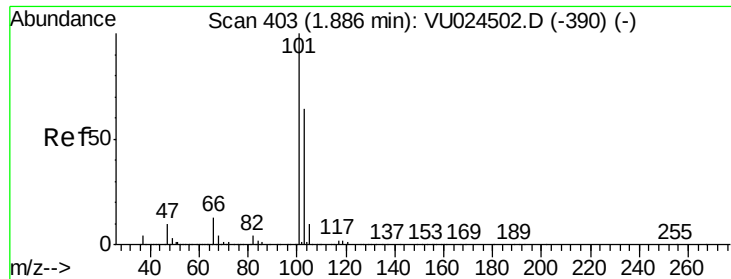
Tgt Ion: 64 Resp: 41119

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

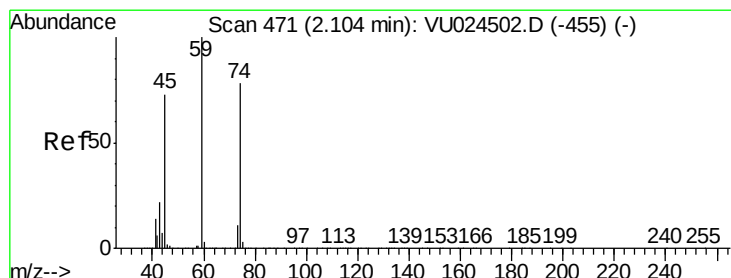
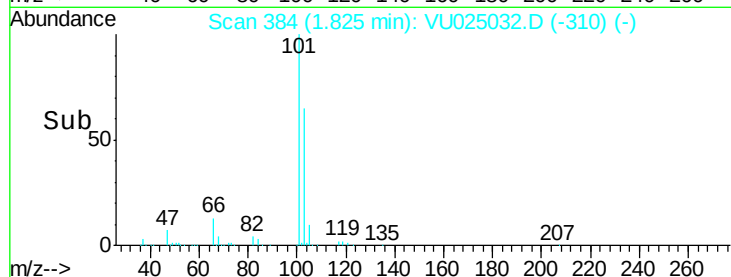
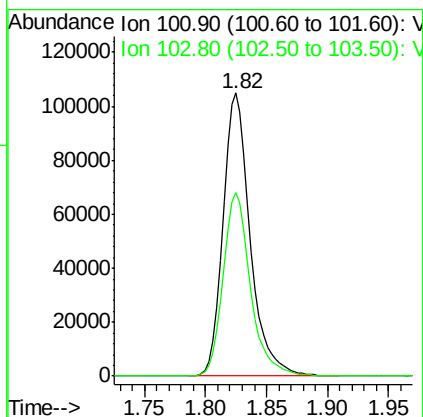
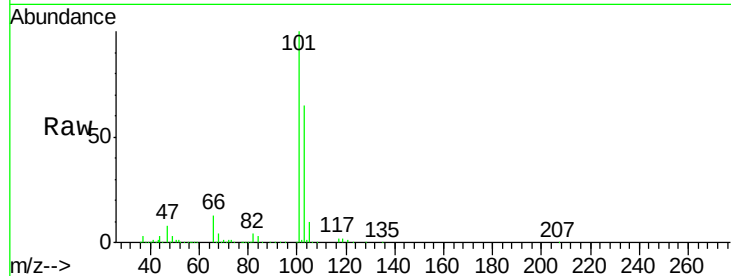
Trichlorofluoromethane
Concen: 42.87 ug/l
RT: 1.82 min Scan# 384
Delta R.T. -0.06 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		163996		
103	64.7	52.3	78.5		

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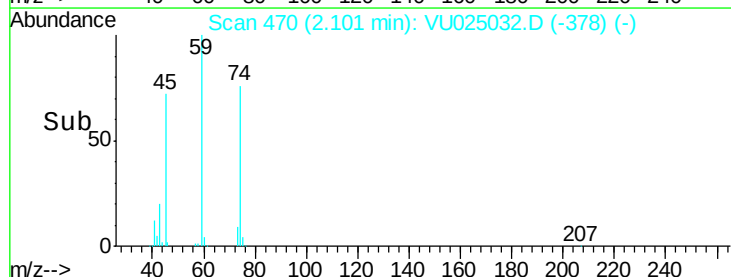
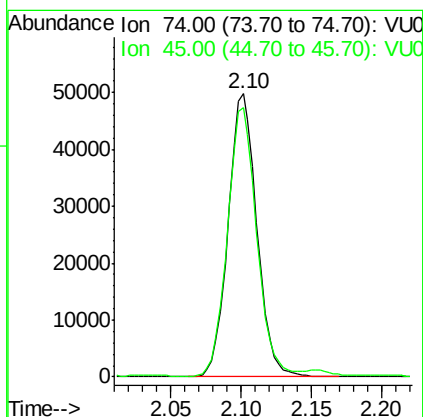
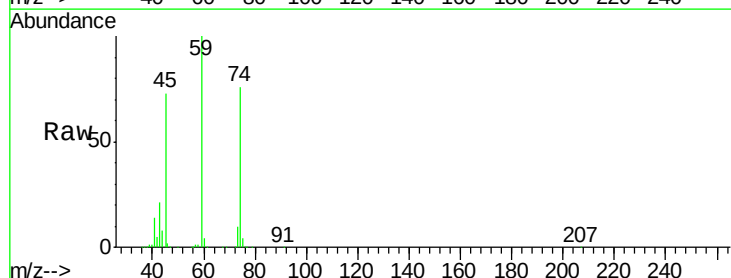
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6/29/2018 4:23:45 PM

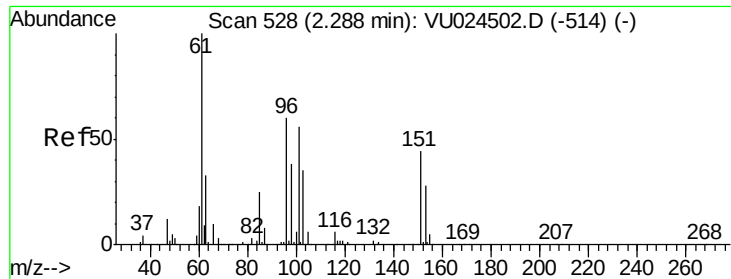


#8

Diethyl Ether
Concen: 54.63 ug/l
RT: 2.10 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		70887		
45	96.2	55.0	165.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.59 ug/l

RT: 2.25 min Scan# 516

Delta R.T. -0.04 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

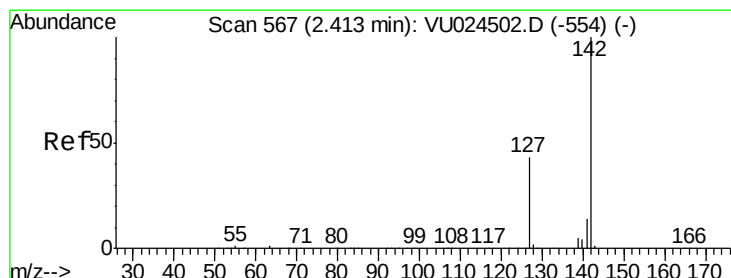
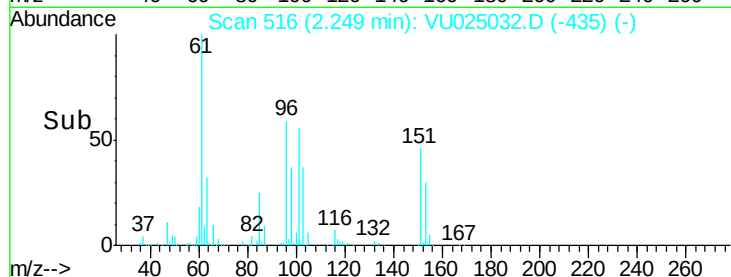
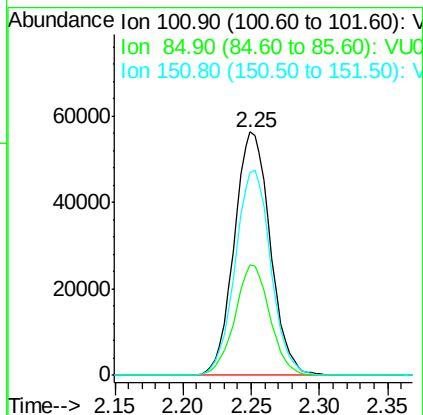
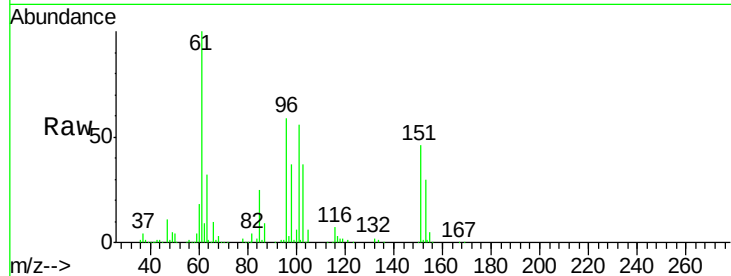
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	101	Resp:	103447
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	83.2	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 53.11 ug/l

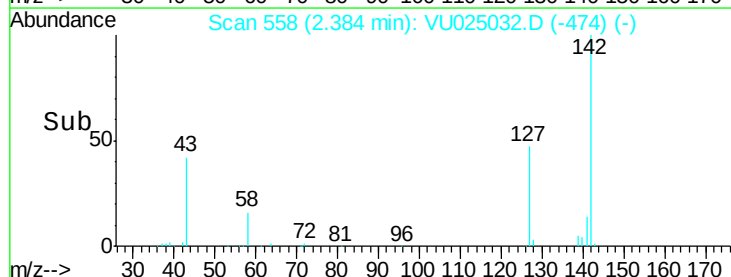
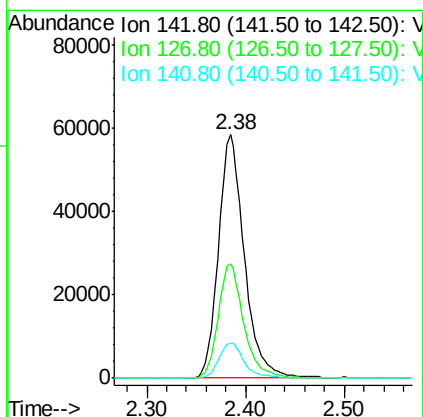
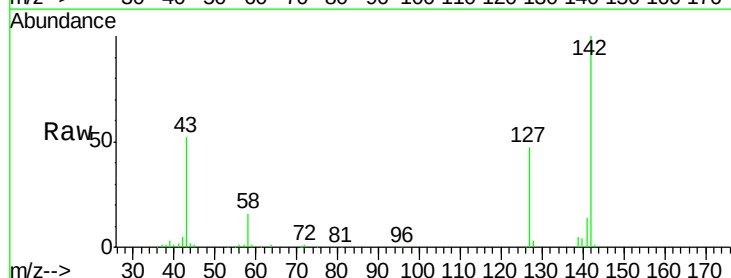
RT: 2.38 min Scan# 558

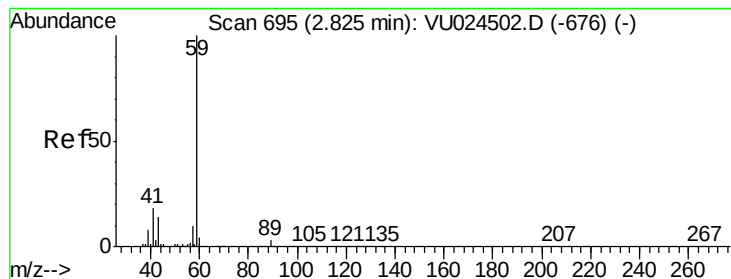
Delta R.T. -0.03 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	142	Resp:	107394
Ion Ratio	Lower	Upper	
142	100		
127	46.5	35.6	53.4
141	14.1	11.7	17.5





#11

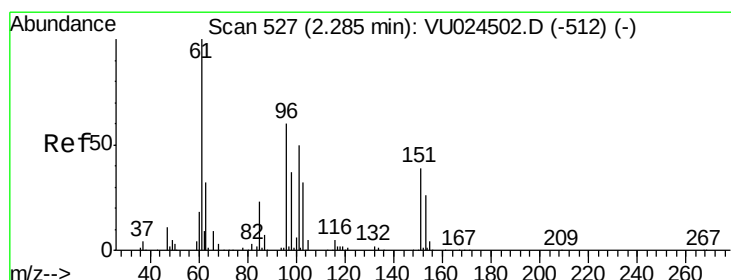
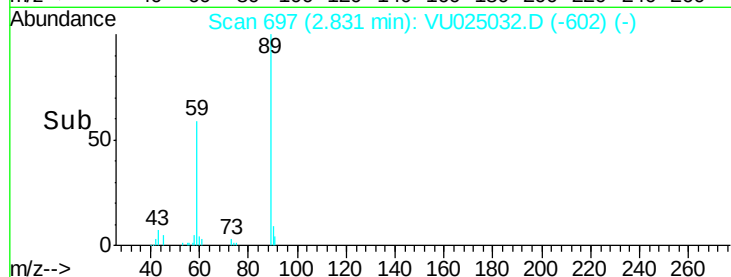
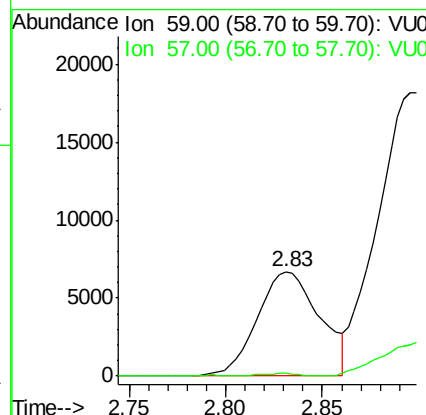
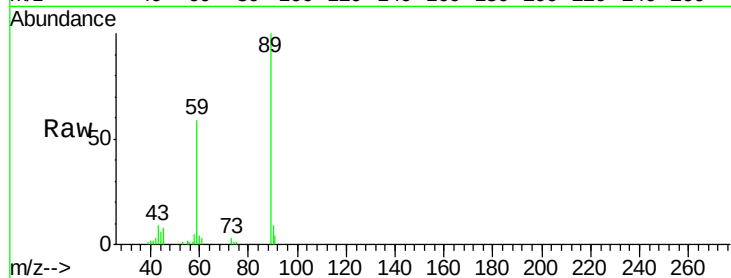
Tert butyl alcohol
 Concen: 19.95 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

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

Manual Integrations
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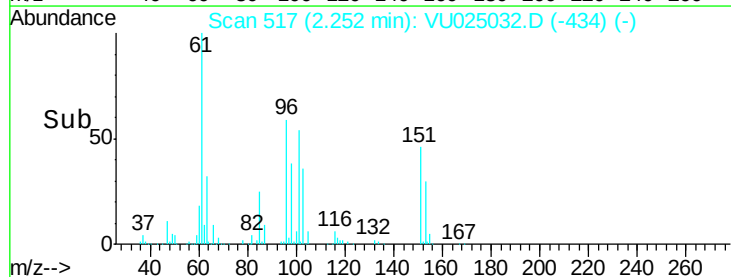
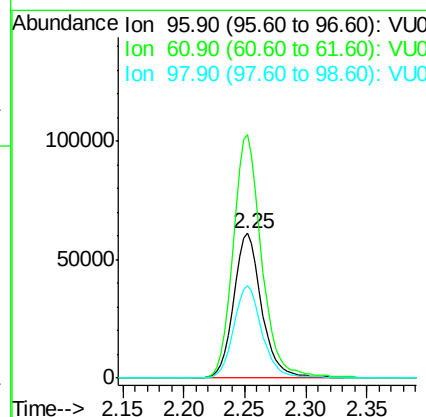
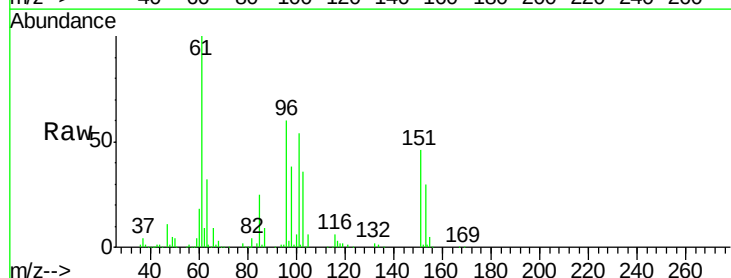
MMDadoda
 6/29/2018 4:23:45 PM

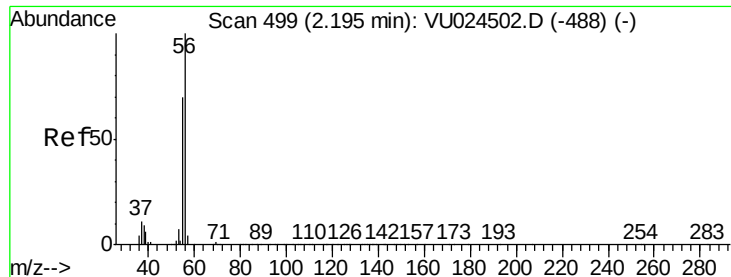


#12

1,1-Dichloroethene
 Concen: 45.46 ug/l
 RT: 2.25 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.0	141.7	212.5
98	63.6	51.6	77.4





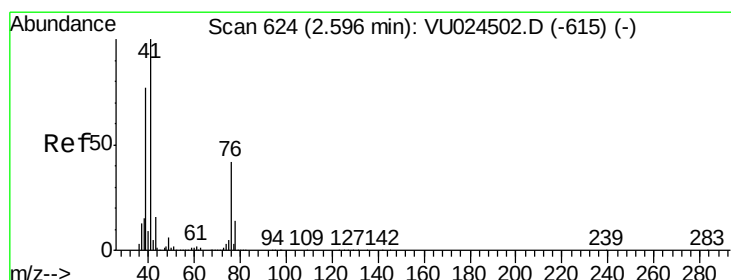
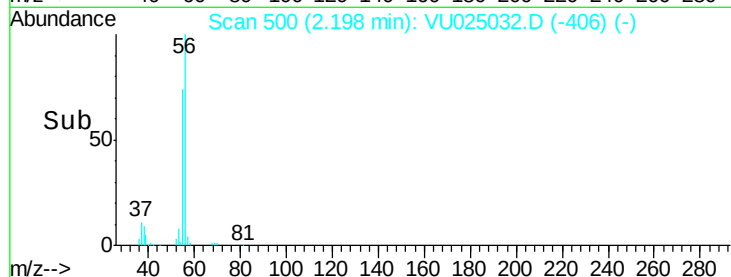
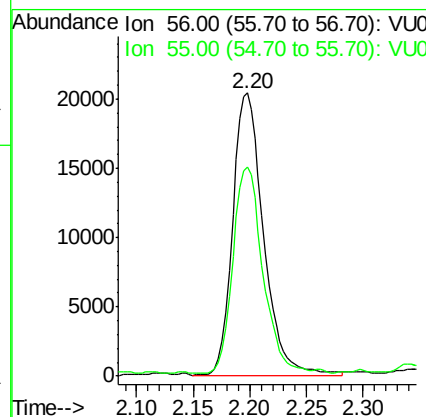
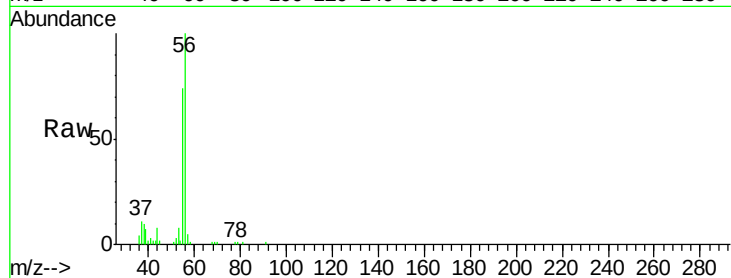
#13
Acrolein
Concen: 98.81 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	58.4	87.6

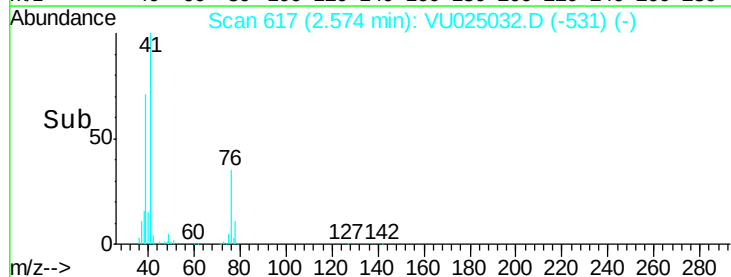
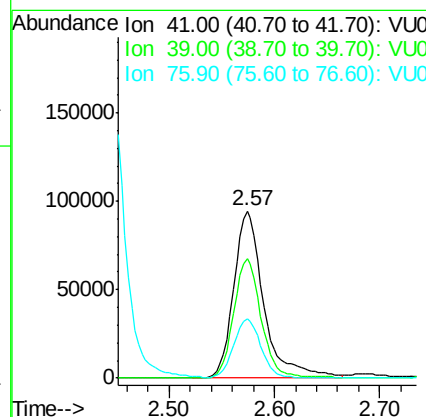
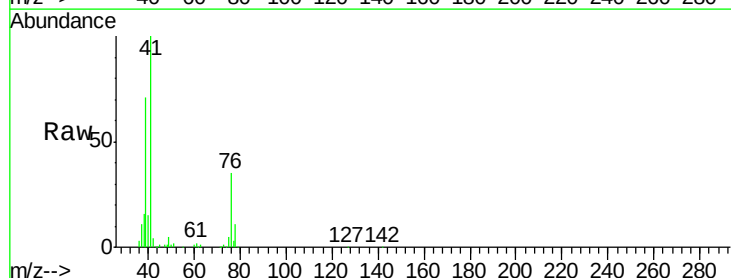
Manual Integrations
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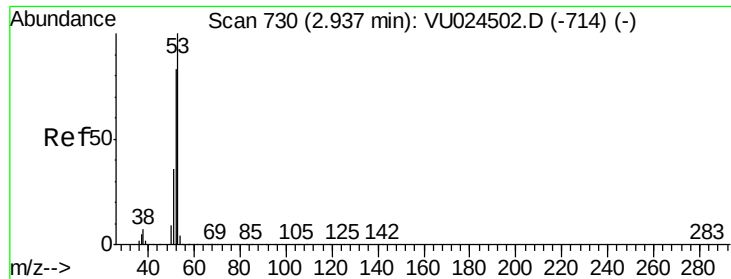
MMDadoda
6/29/2018 4:23:45 PM



#14
Allyl chloride
Concen: 46.08 ug/l
RT: 2.57 min Scan# 617
Delta R.T. -0.02 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	61.6	92.4
76	32.3	29.7	44.5





#15

Acrylonitrile

Concen: 260.88 ug/l

RT: 2.95 min Scan# 734

Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

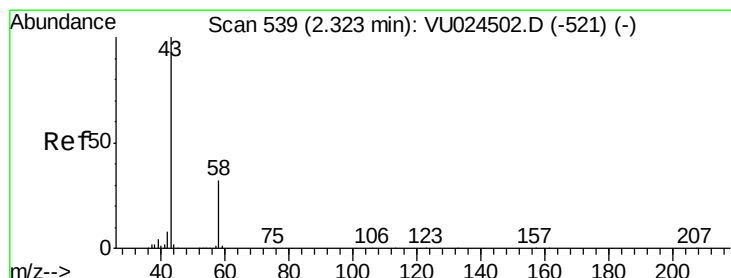
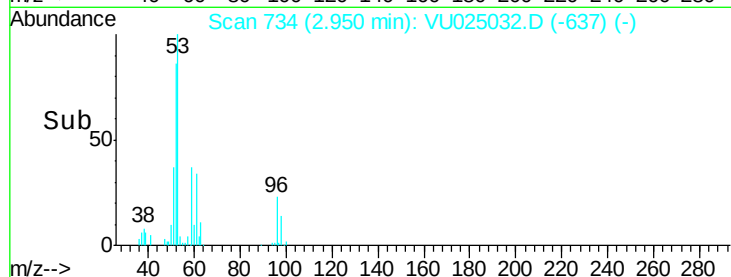
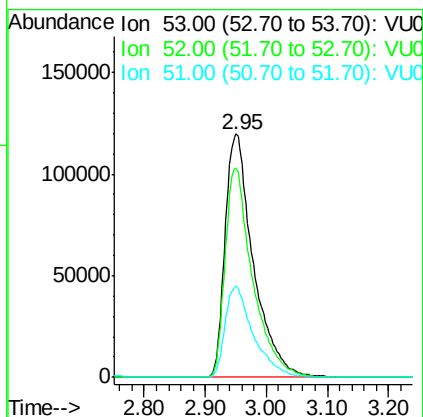
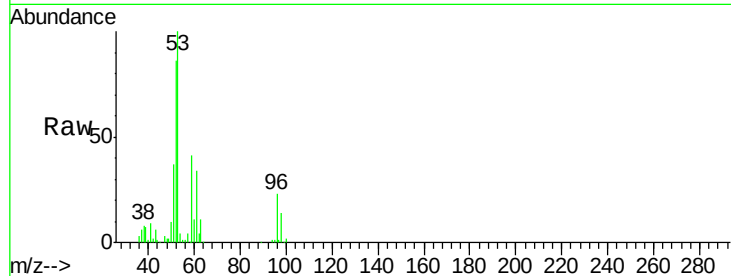
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	53	Resp:	383024
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.1	100.7
51	37.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 222.07 ug/l

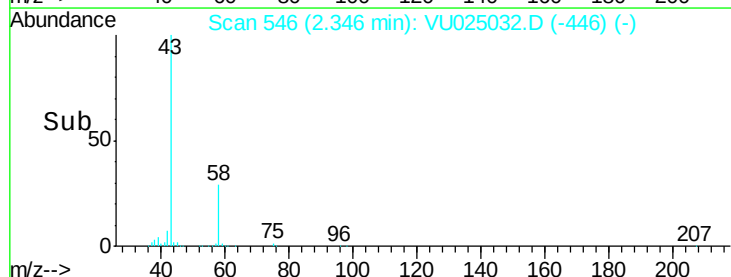
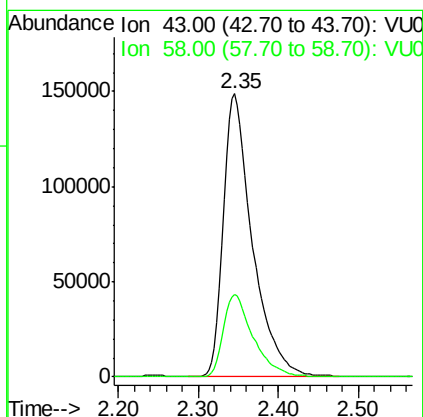
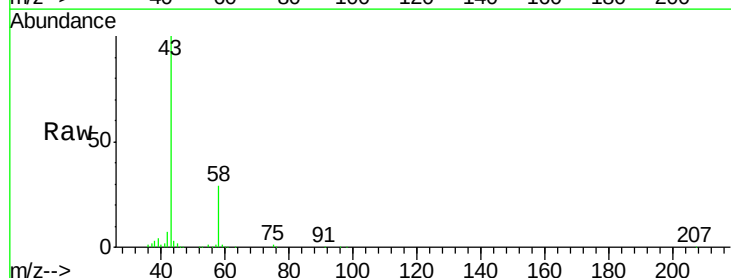
RT: 2.35 min Scan# 546

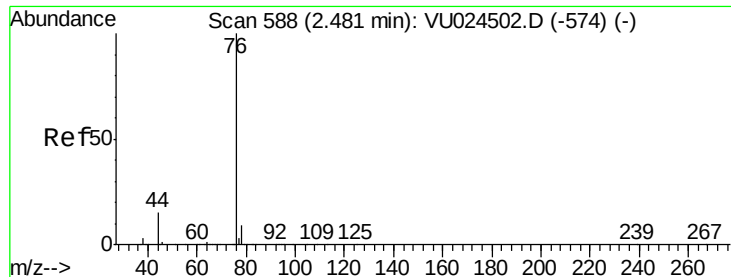
Delta R.T. 0.02 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	43	Resp:	370208
Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.4	36.6





#17

Carbon Disulfide

Concen: 41.99 ug/l

RT: 2.45 min Scan# 577

Delta R.T. -0.04 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 76 Resp: 290953

Ion Ratio Lower Upper

76 100

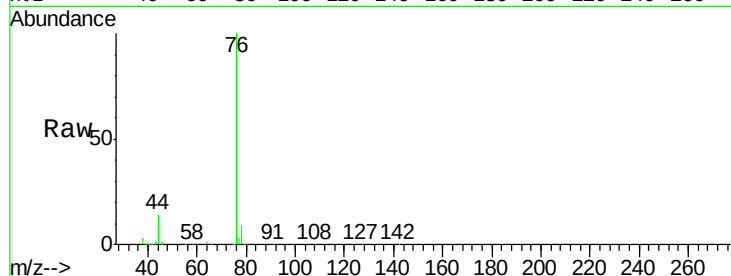
78 9.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU025032.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU025032.D (-574) (-)

2.45

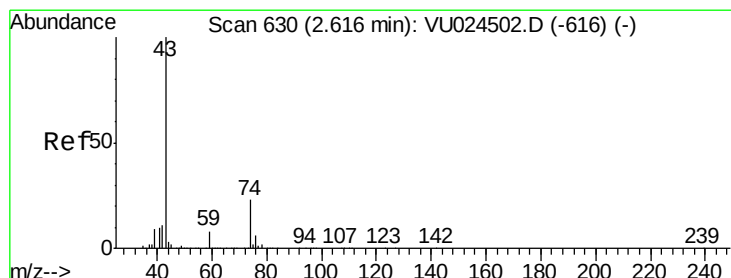
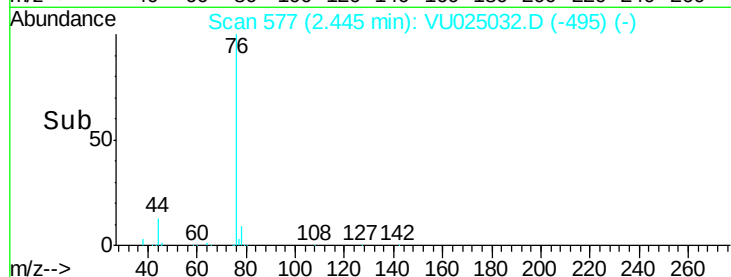
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 63.66 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU025032.D

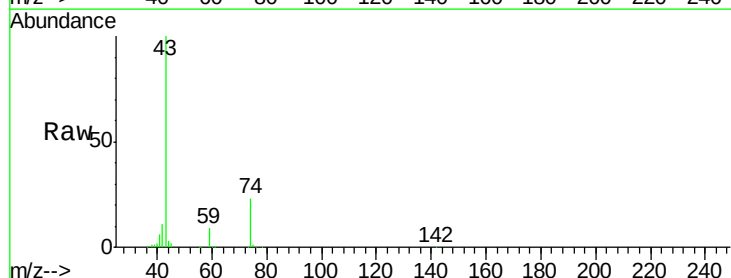
Acq: 28 Jun 2018 19:56

Tgt Ion: 43 Resp: 227514

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU025032.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025032.D (-537) (-)

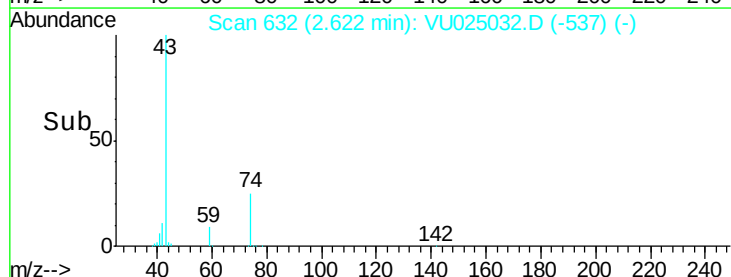
2.62

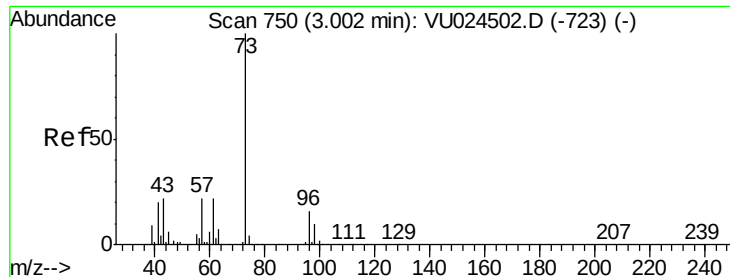
100000

50000

0

Time-->





#19

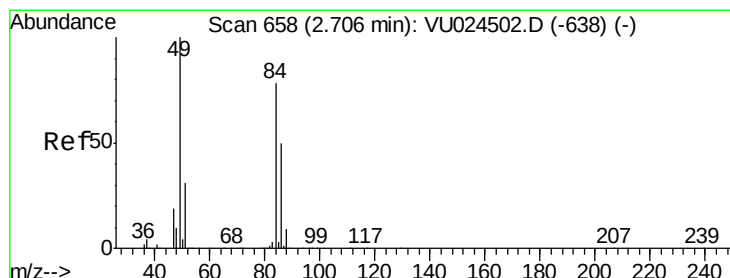
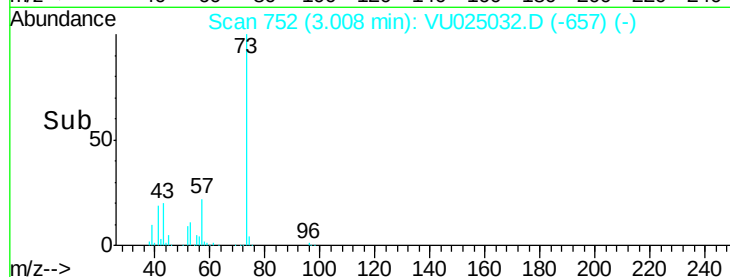
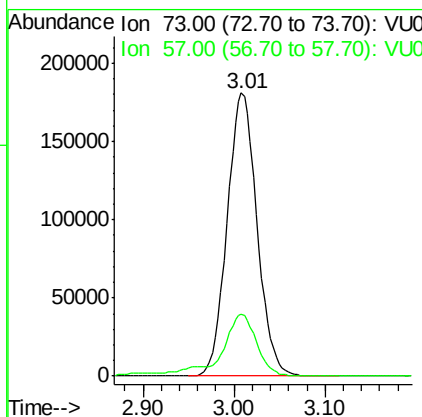
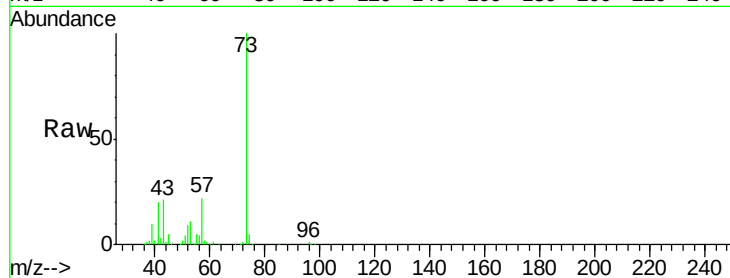
Methyl tert-butyl Ether
 Concen: 50.66 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.8	28.2

Manual Integrations
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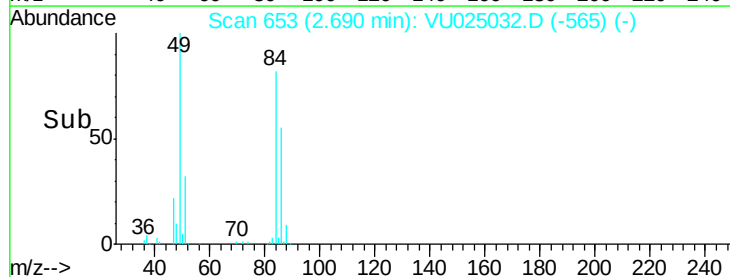
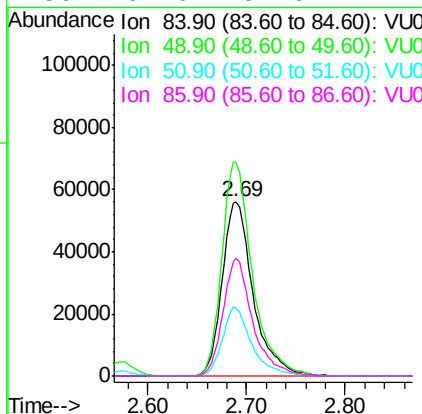
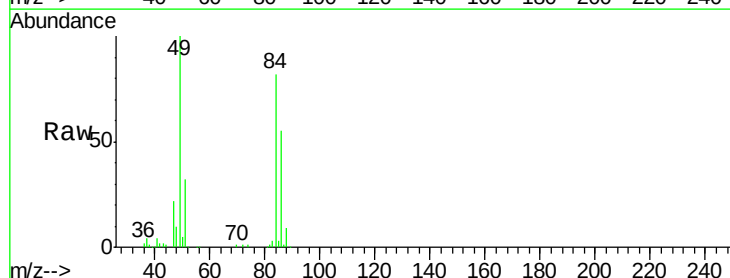
MMDadoda
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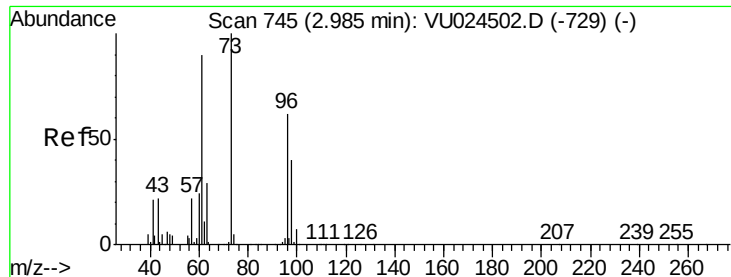


#20

Methylene Chloride
 Concen: 47.25 ug/l
 RT: 2.69 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	103.8	155.8
51	39.2	32.0	48.0
86	67.6	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 48.45 ug/l

RT: 2.97 min Scan# 739

Delta R.T. -0.02 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

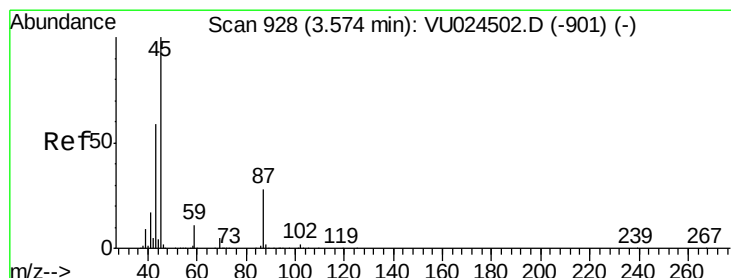
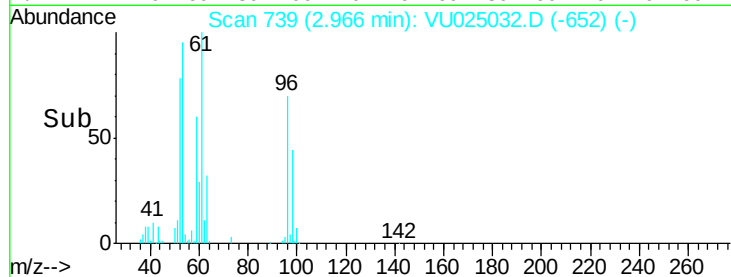
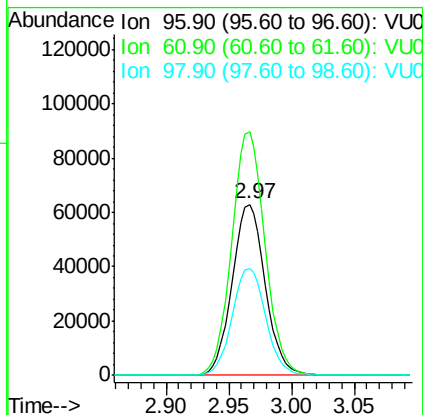
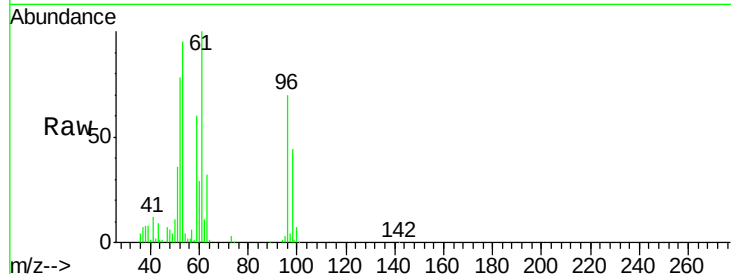
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	96	Resp:	115483
Ion Ratio	Lower	Upper	
96	100		
61	142.6	119.4	179.0
98	62.8	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.15 ug/l

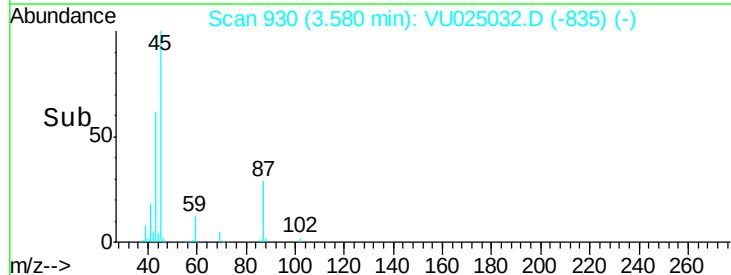
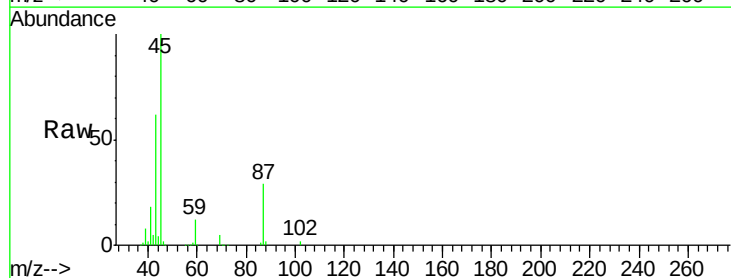
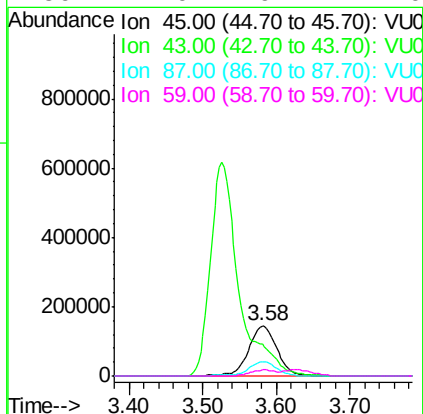
RT: 3.58 min Scan# 930

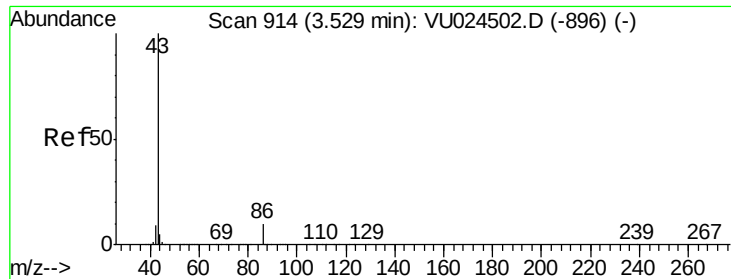
Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	45	Resp:	391509
Ion Ratio	Lower	Upper	
45	100		
43	61.7	45.8	68.6
87	28.9	20.6	31.0
59	12.0	9.4	14.0





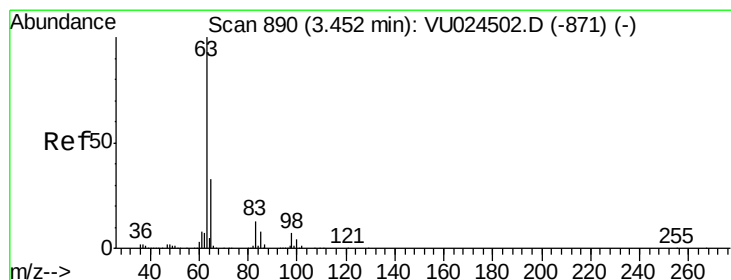
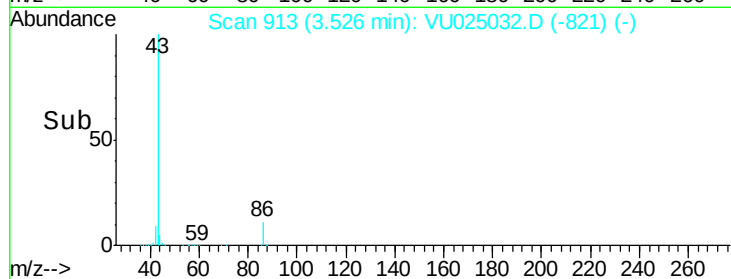
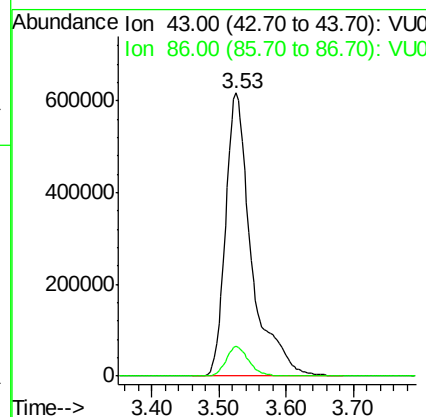
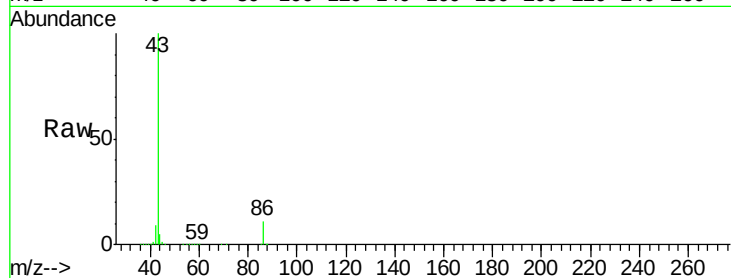
#23
 Vinyl Acetate
 Concen: 232.59 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion: 43 Resp: 1659636
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.8 11.8

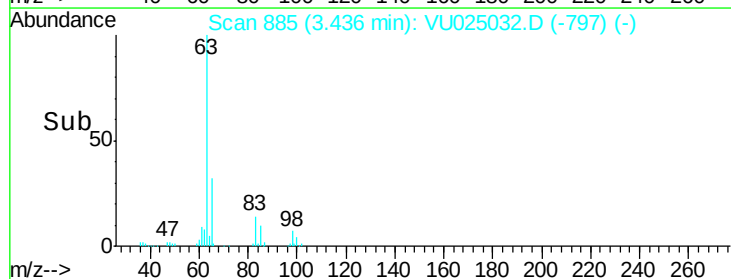
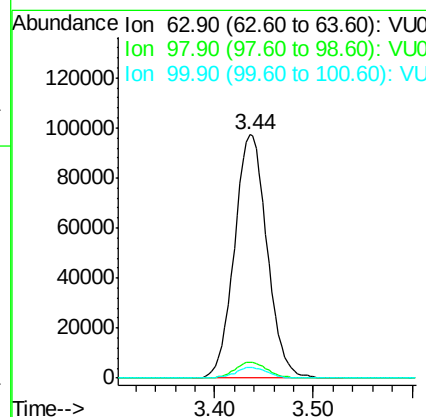
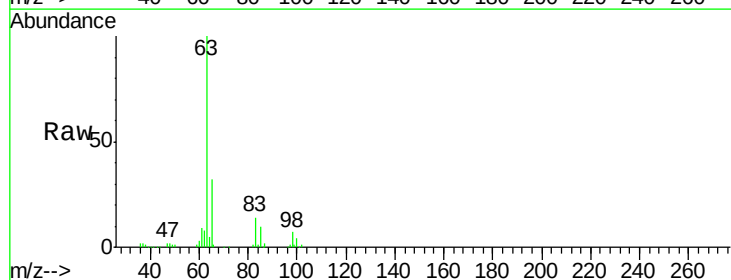
Manual Integrations
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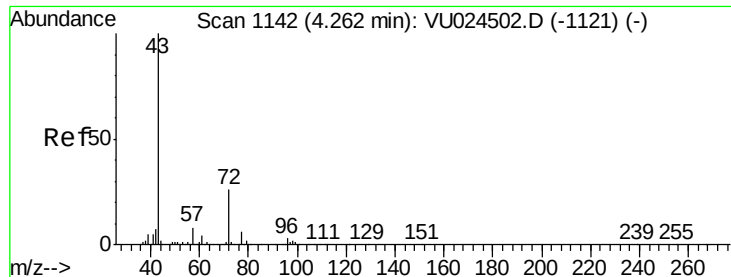
MMDadoda
 6/29/2018 4:23:45 PM



#24
 1,1-Dichloroethane
 Concen: 48.73 ug/l
 RT: 3.44 min Scan# 885
 Delta R.T. -0.02 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion: 63 Resp: 223281
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.4
 100 4.4 1.8 5.5





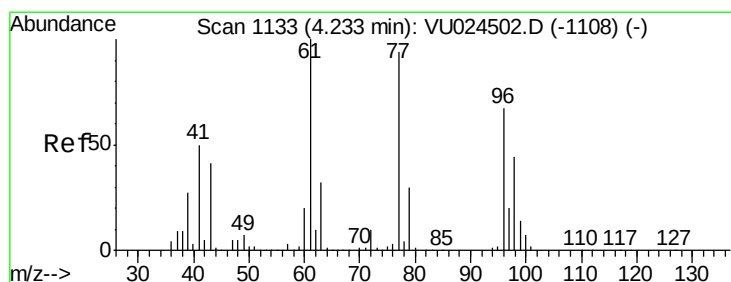
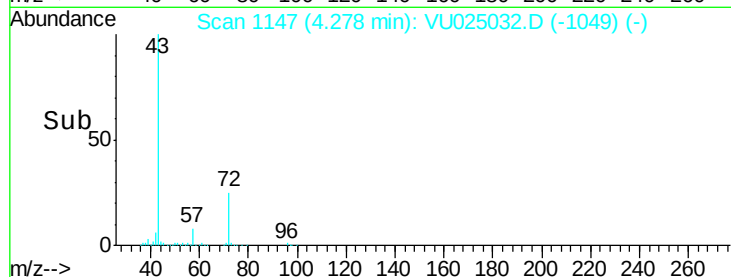
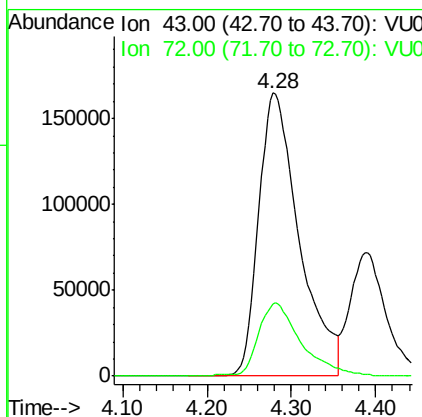
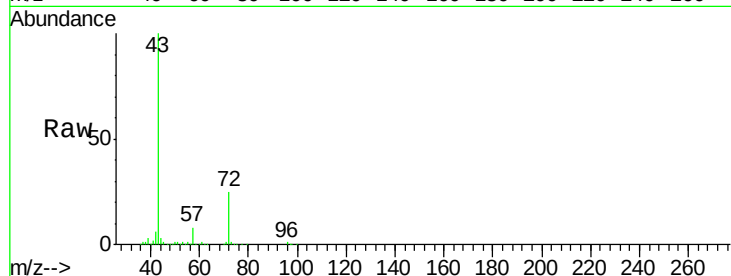
#25
2-Butanone
Concen: 245.80 ug/l
RT: 4.28 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion: 43 Resp: 550427
Ion Ratio Lower Upper
43 100
72 25.3 19.6 29.4

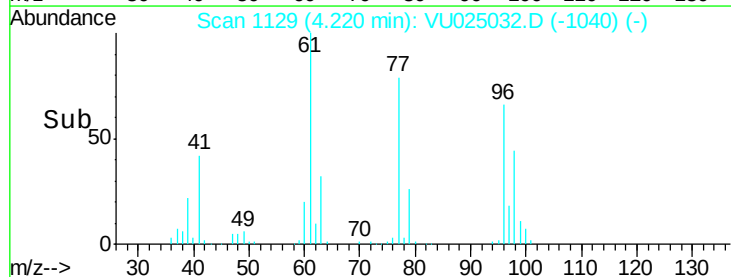
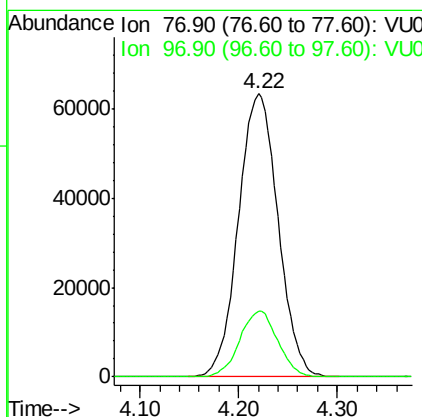
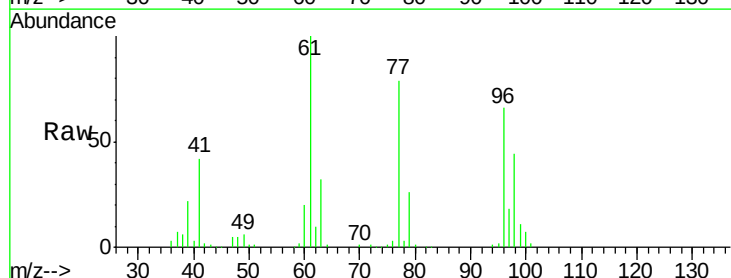
Manual Integrations
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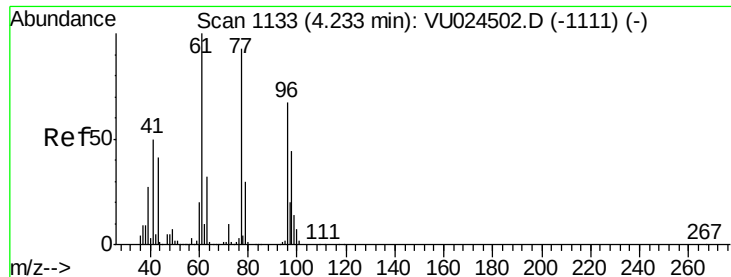
MMDadoda
6/29/2018 4:23:45 PM



#26
2,2-Dichloropropane
Concen: 40.49 ug/l
RT: 4.22 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion: 77 Resp: 176174
Ion Ratio Lower Upper
77 100
97 22.3 11.3 33.8





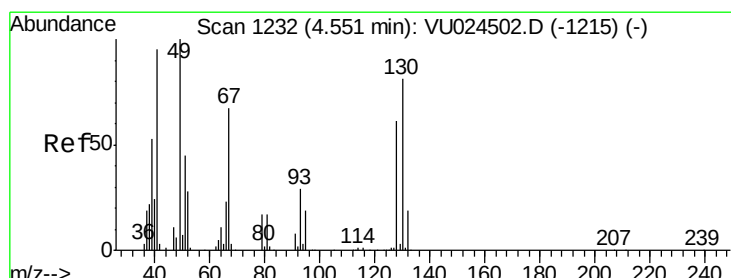
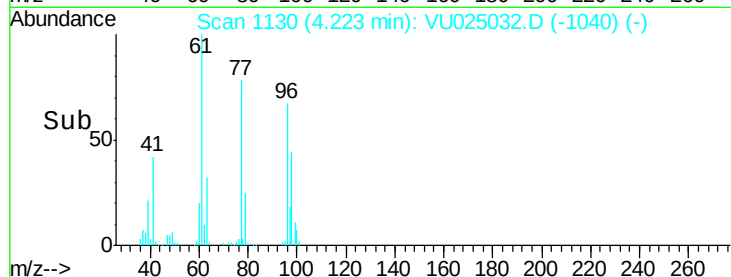
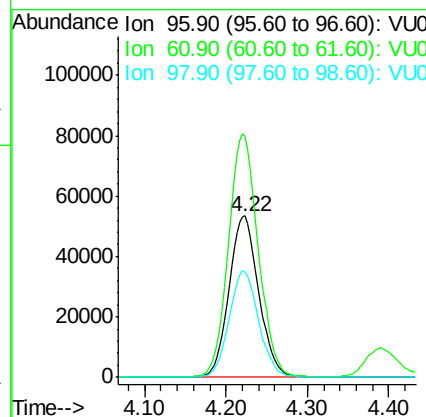
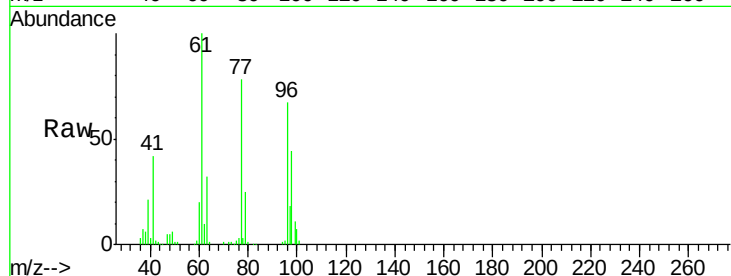
#27
 cis-1,2-Dichloroethene
 Concen: 49.80 ug/l
 RT: 4.22 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	306.6
98	65.8	0.0	128.8

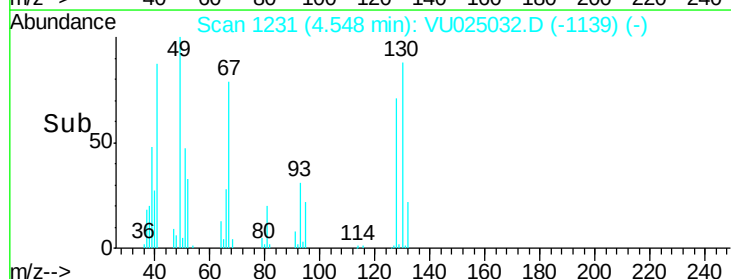
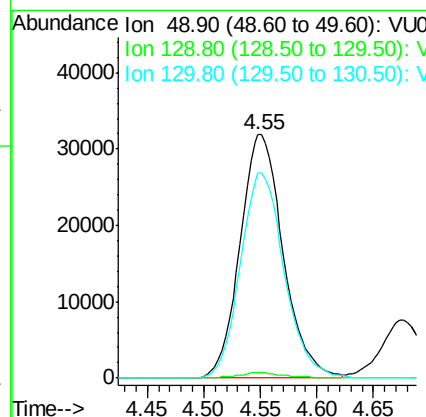
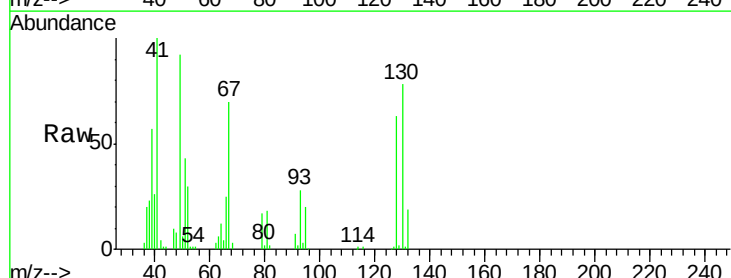
Manual Integrations
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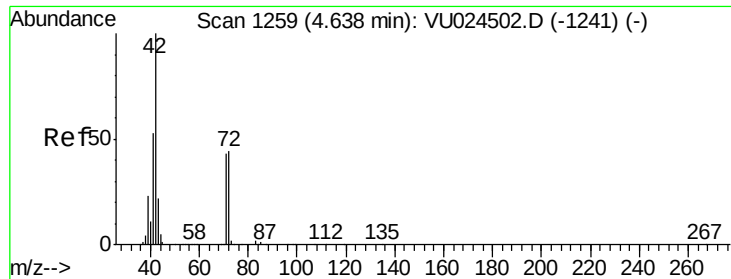
MMDadoda
 6/29/2018 4:23:45 PM



#28
 Bromochloromethane
 Concen: 41.83 ug/l
 RT: 4.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	86.0	57.8	86.6





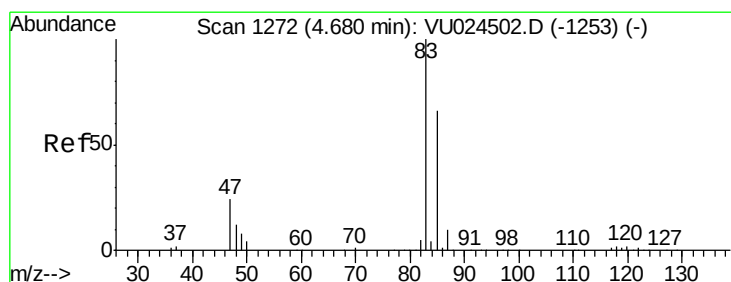
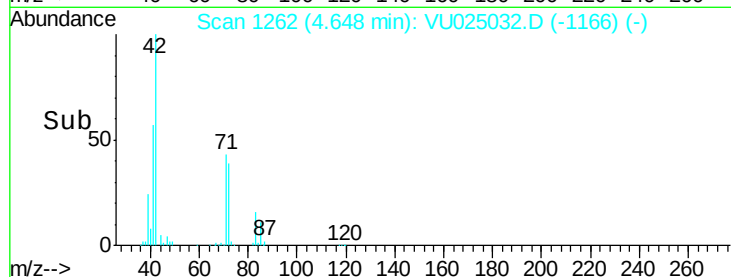
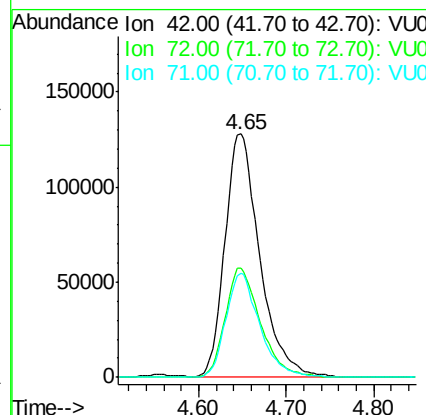
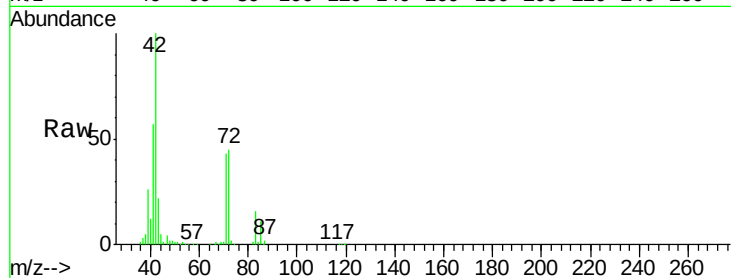
#29
Tetrahydrofuran
Concen: 252.35 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	45.8		34.5	51.7
71	42.3		32.2	48.4

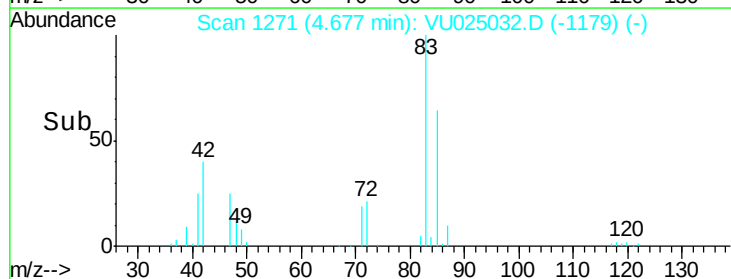
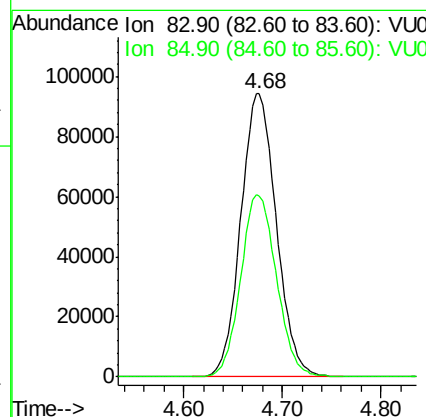
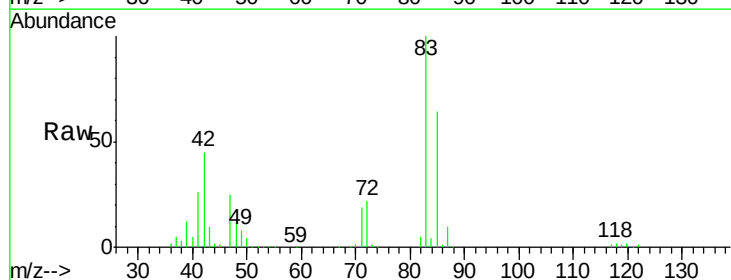
Manual Integrations
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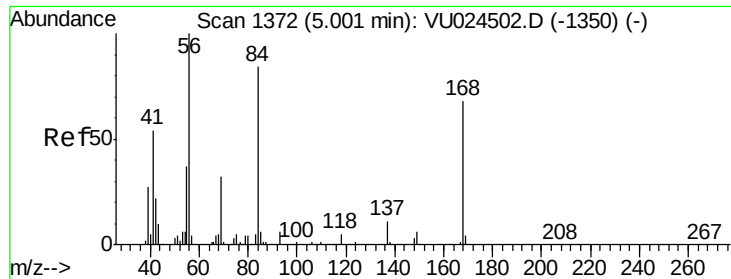
MMDadoda
6/29/2018 4:23:45 PM



#30
Chloroform
Concen: 50.72 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.1		52.4	78.6





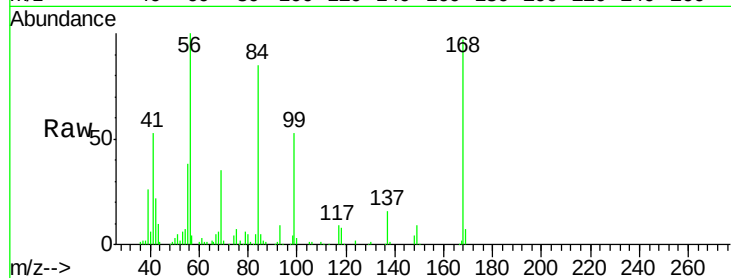
#31
Cyclohexane
Concen: 49.05 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

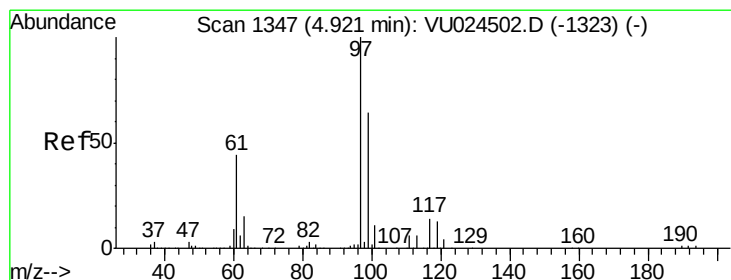
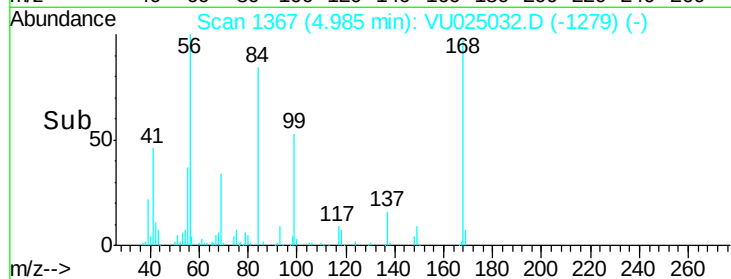
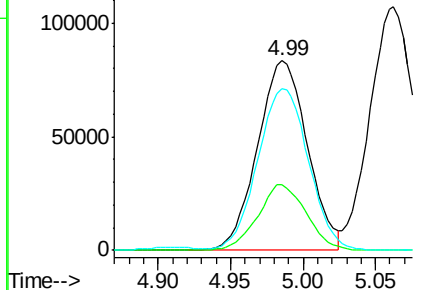
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	24.8	37.2
84	83.9	65.2	97.8

Manual Integrations
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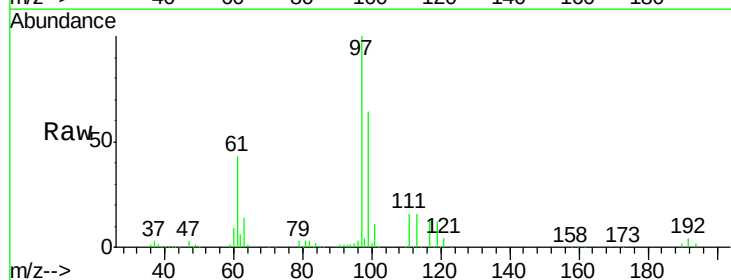


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

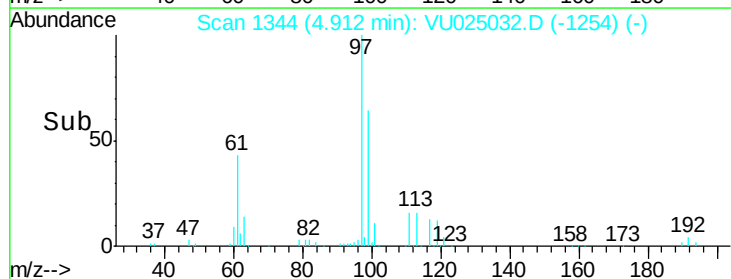
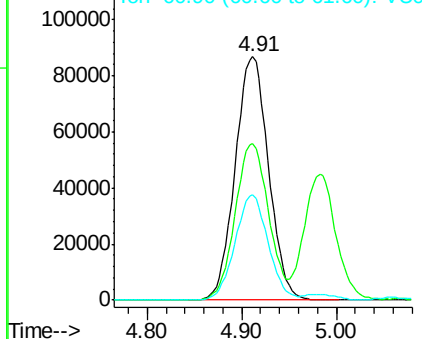


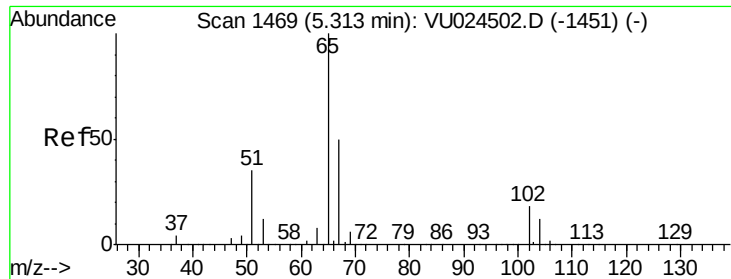
#32
1,1,1-Trichloroethane
Concen: 49.63 ug/l
RT: 4.91 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	42.9	39.4	59.0



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





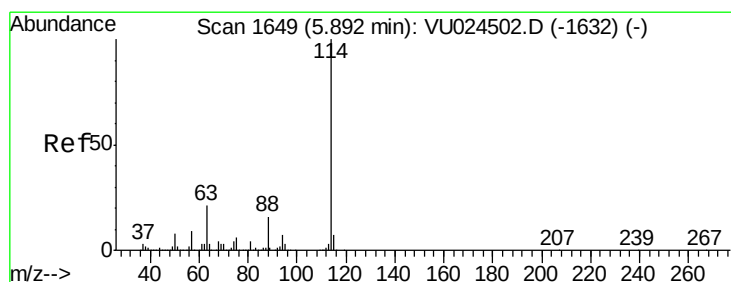
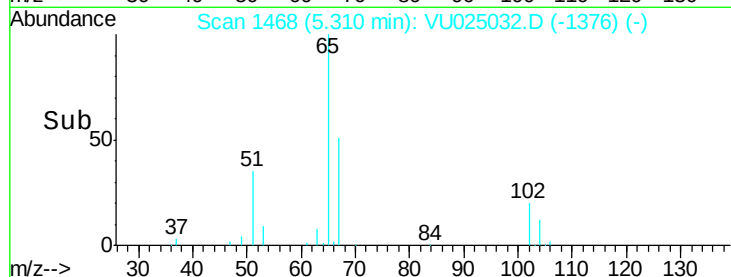
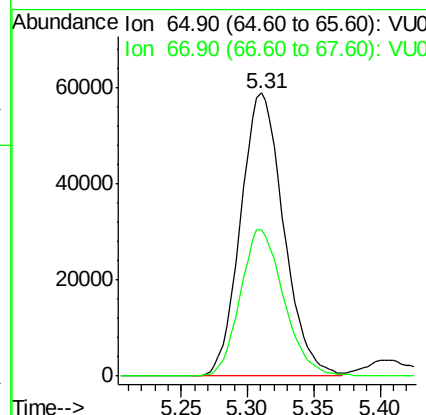
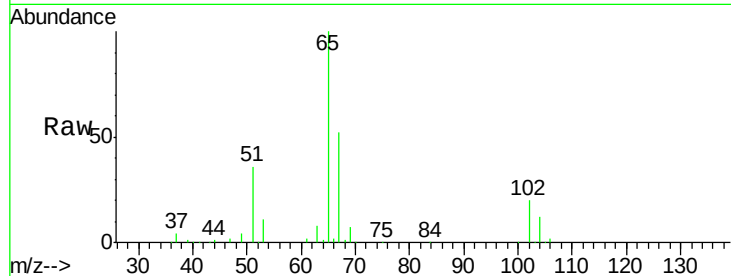
#33
 1,2-Dichloroethane-d4
 Concen: 42.81 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	107.0

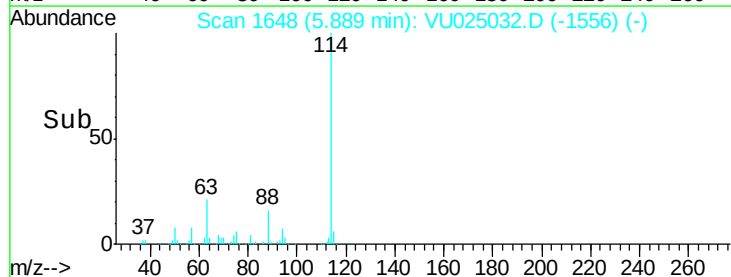
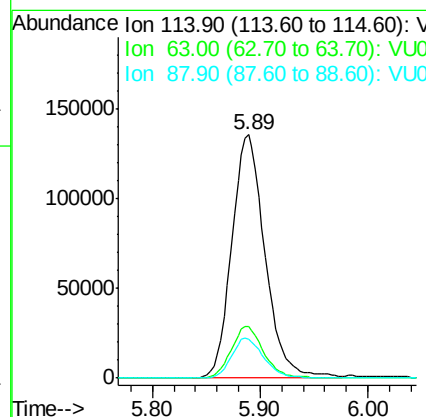
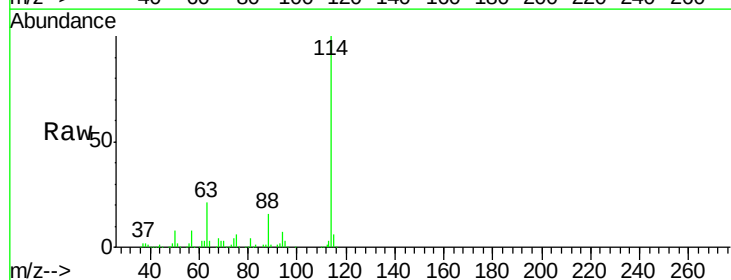
Manual Integrations
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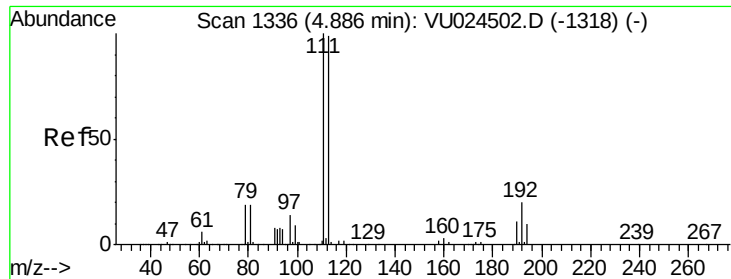
MMDadoda
 6/29/2018 4:23:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	45.4
88	16.1	0.0	31.0





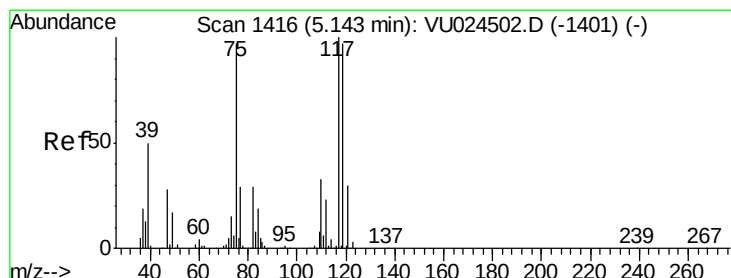
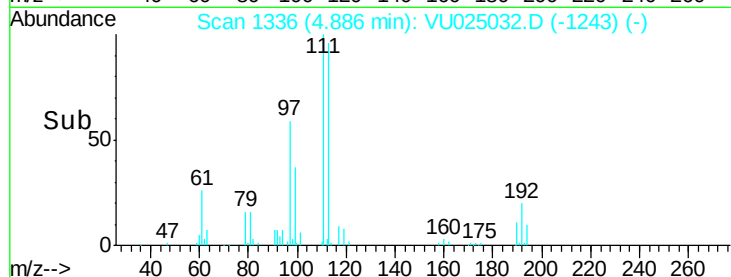
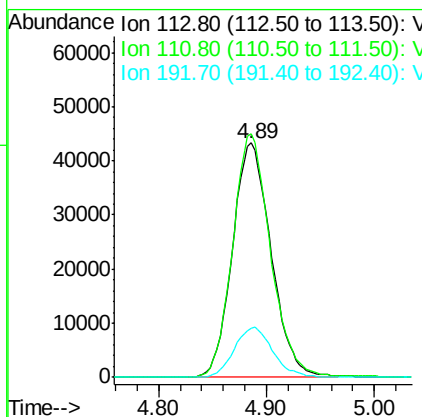
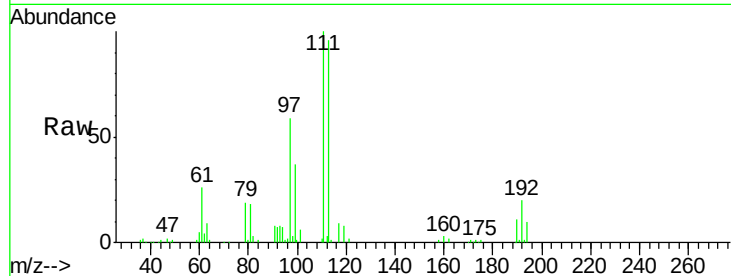
#35
 Dibromofluoromethane
 Concen: 44.68 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108009		
111	101.8	82.2	123.4	
192	21.3	16.2	24.4	

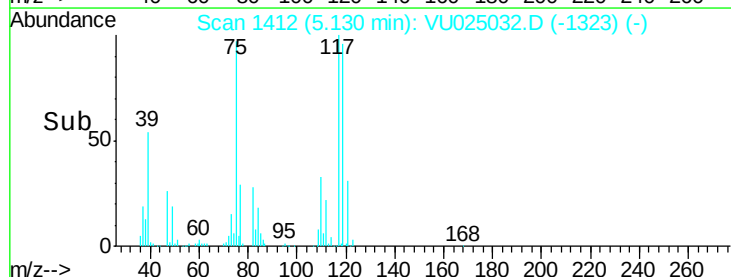
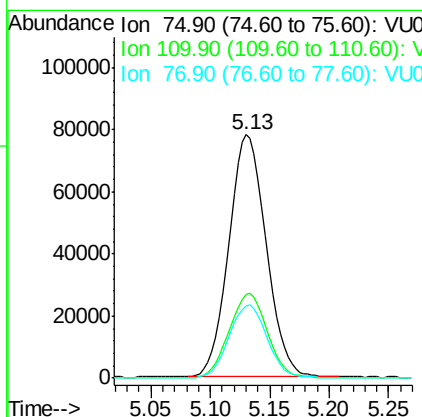
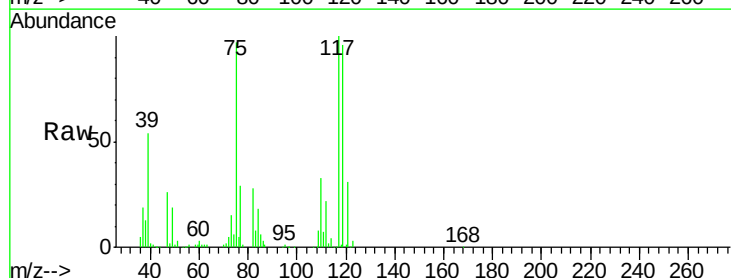
Manual Integrations
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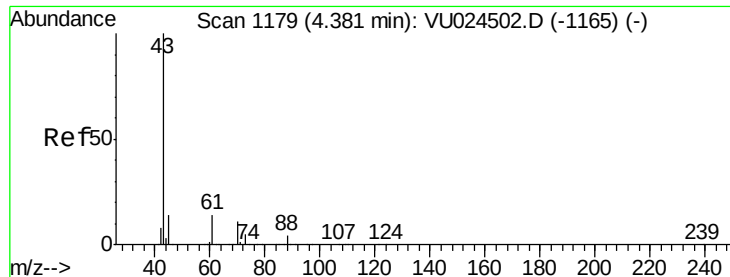
MMDadoda
 6/29/2018 4:23:45 PM



#36
 1,1-Dichloropropene
 Concen: 49.52 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	169488		
110	35.8	17.0	50.9	
77	30.4	24.2	36.4	





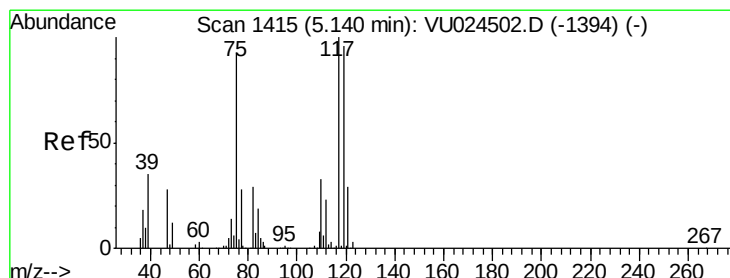
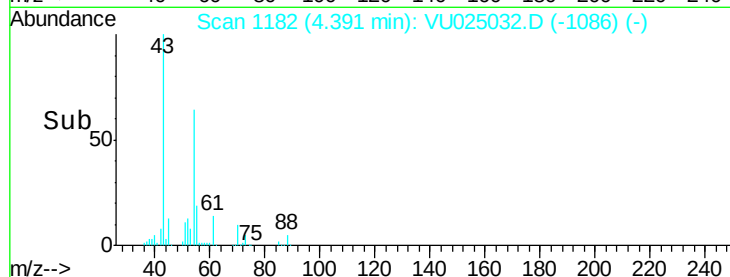
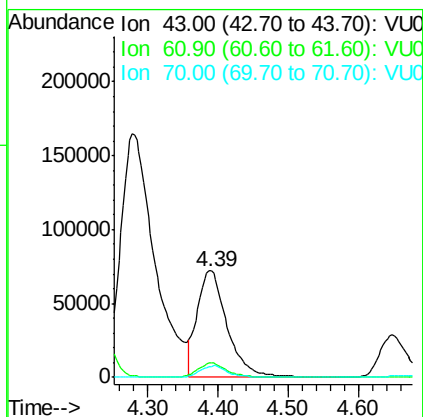
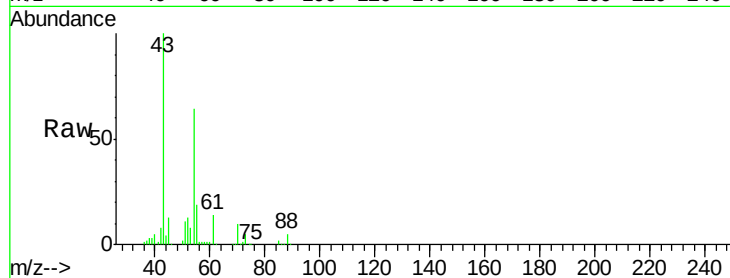
#37
Ethyl Acetate
Concen: 56.81 ug/l
RT: 4.39 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.9	7.4	11.2

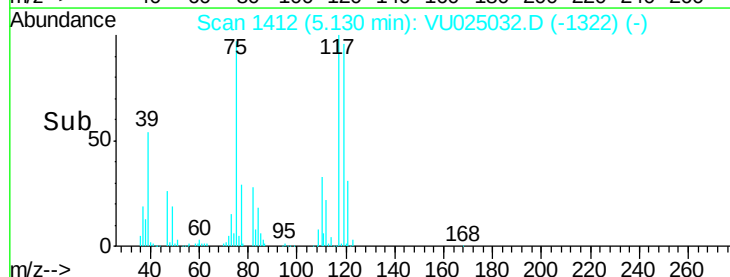
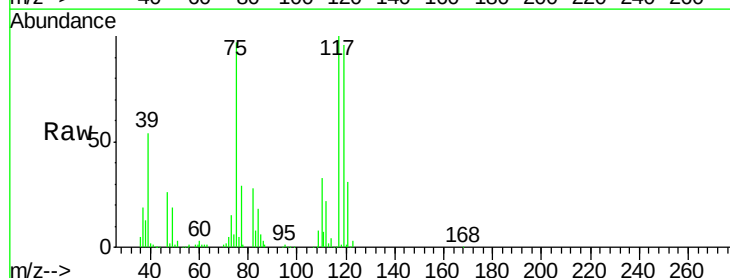
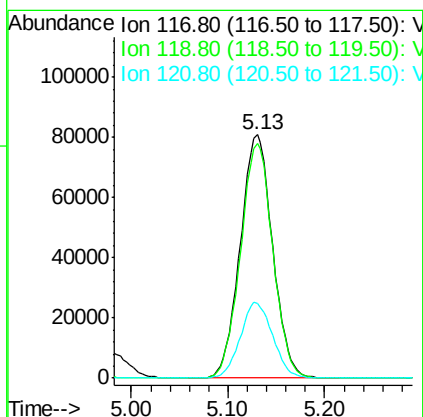
Manual Integrations
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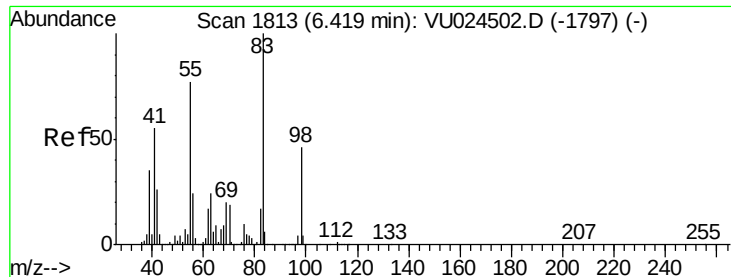
MMDadoda
6/29/2018 4:23:45 PM



#38
Carbon Tetrachloride
Concen: 49.90 ug/l
RT: 5.13 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.1	114.1
121	30.5	23.7	35.5





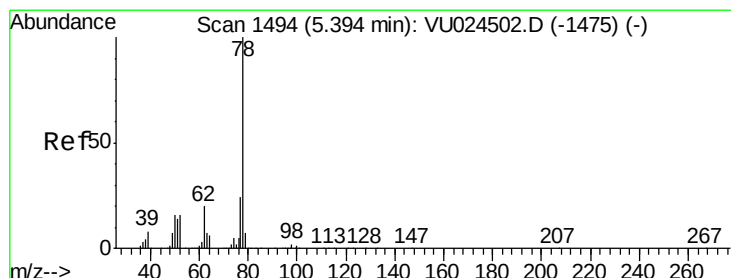
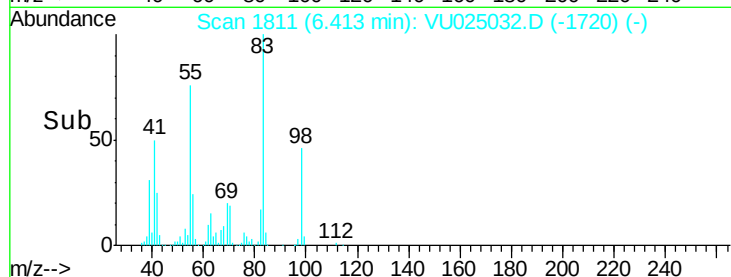
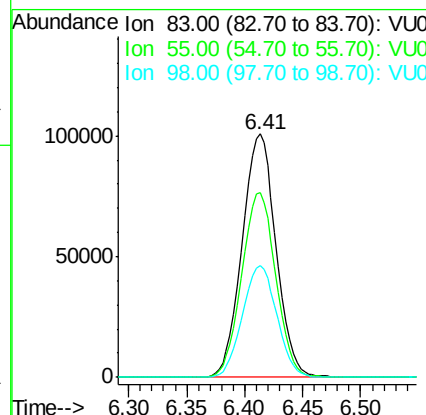
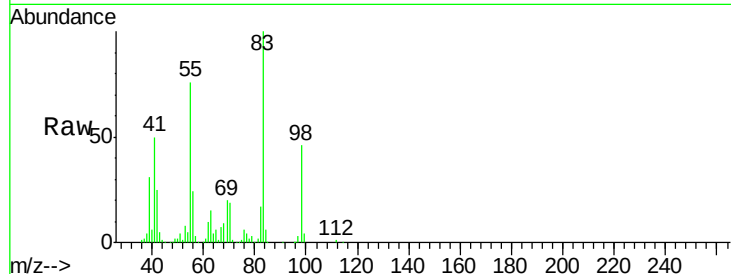
#39
Methylvlcyclohexane
Concen: 47.85 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.7	65.8	98.6	
98	45.9	36.7	55.1	

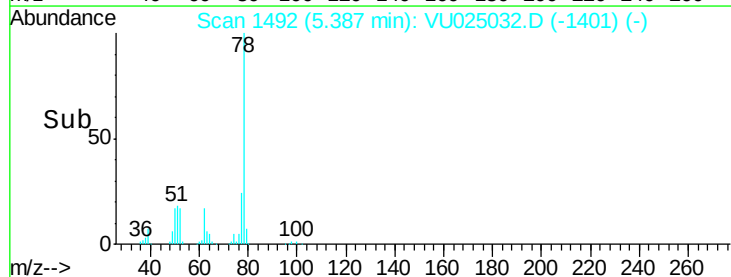
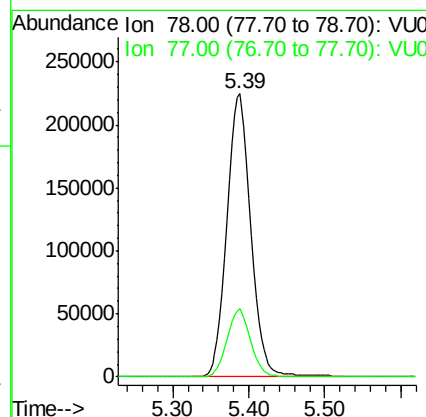
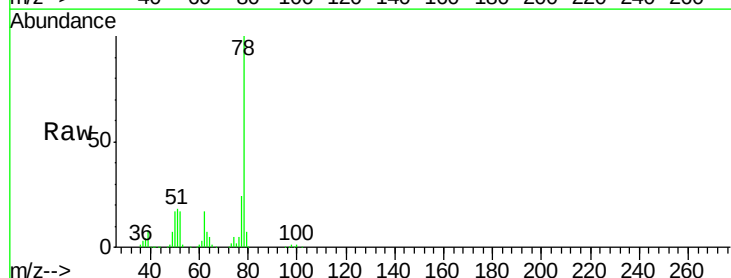
Manual Integrations
APPROVED

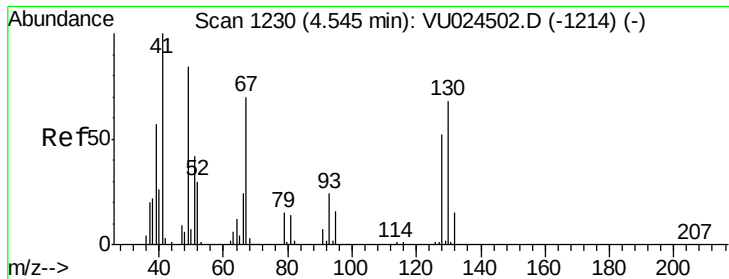
MMDadoda
6/29/2018 4:23:45 PM



#40
Benzene
Concen: 50.81 ug/l
RT: 5.39 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.2	28.8	





#41

Methacrylonitrile

Concen: 51.51 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

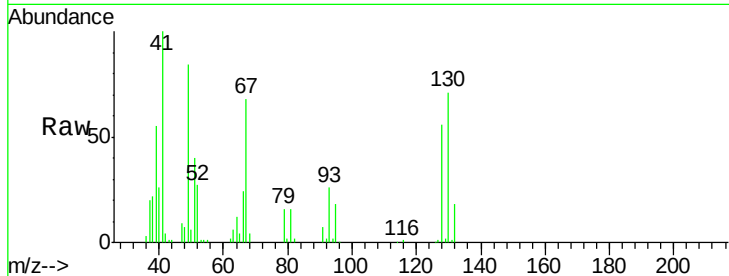
WP021SB472-13-15-180618MS

Tot Ion: 41 Resp: 103592

Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.8	65.6
67	78.1	56.3	84.5
52	33.3	23.2	34.8

Manual Integrations
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MMDadoda
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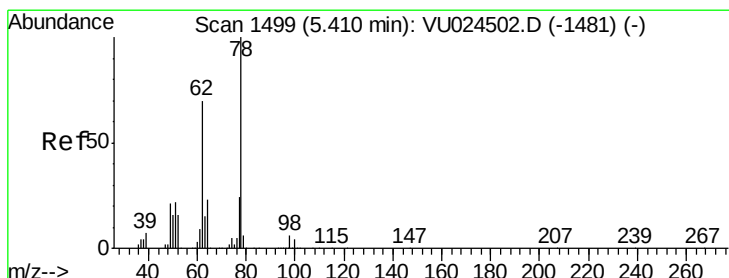
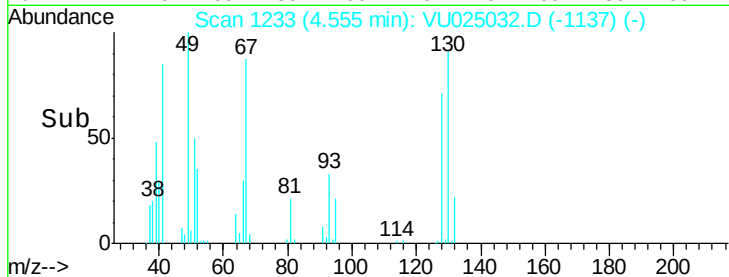
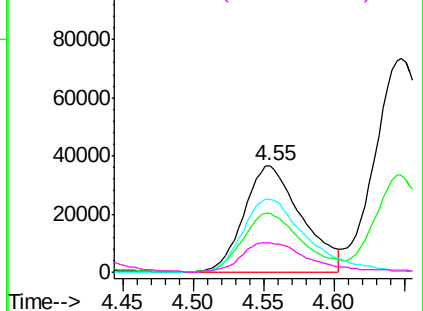
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 54.49 ug/l

RT: 5.41 min Scan# 1498

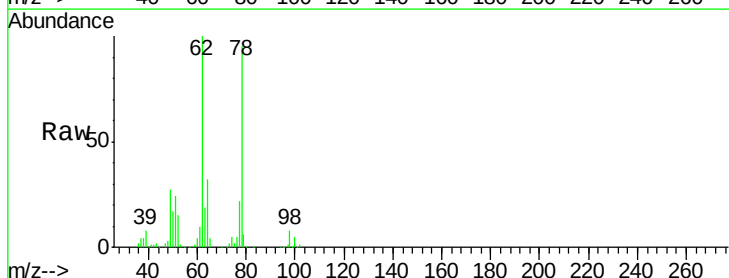
Delta R.T. -0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion: 62 Resp: 202393

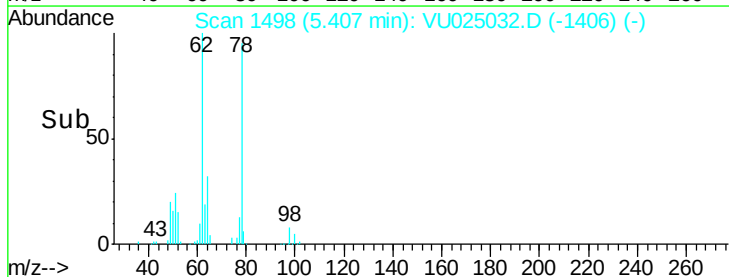
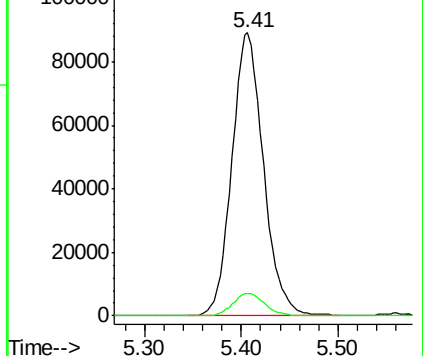
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.6

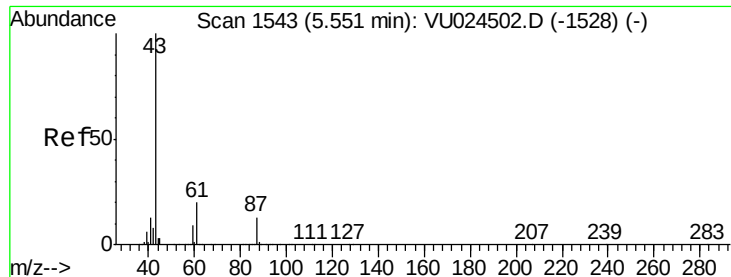


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





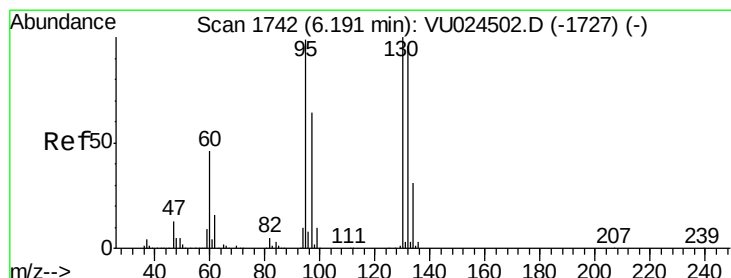
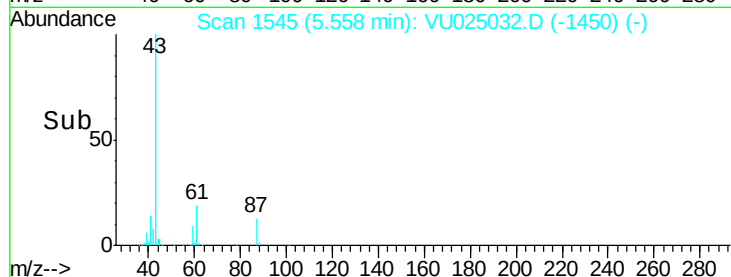
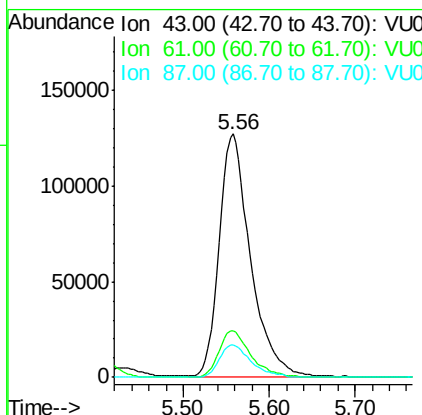
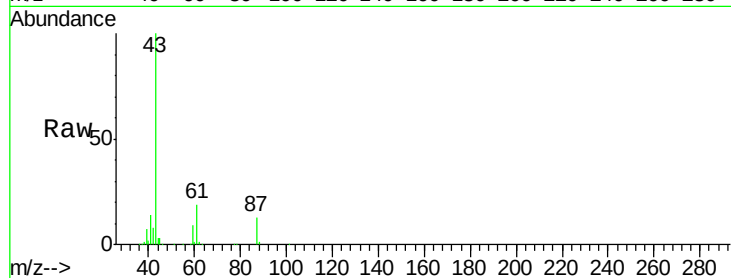
#43
Isopropyl Acetate
Concen: 49.80 ug/l
RT: 5.56 min Scan# 1545
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.7	10.0	15.0

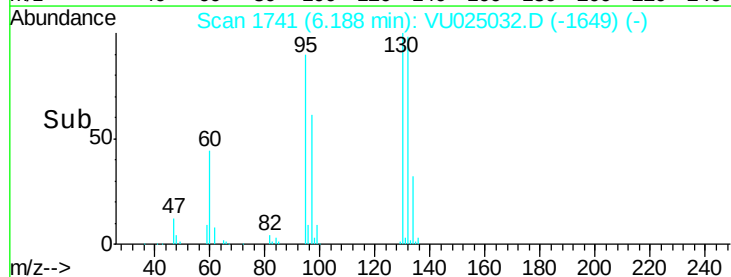
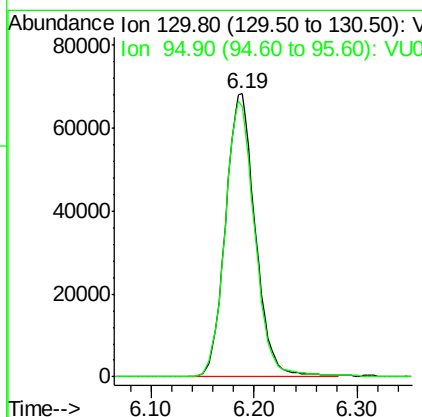
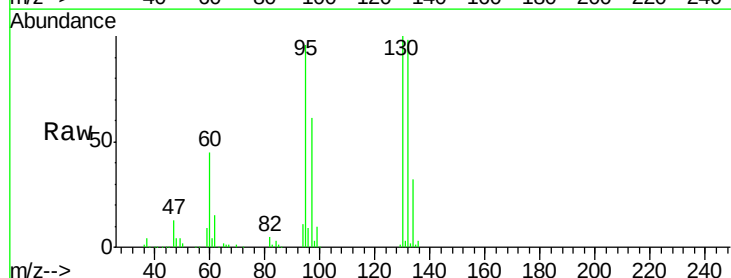
Manual Integrations
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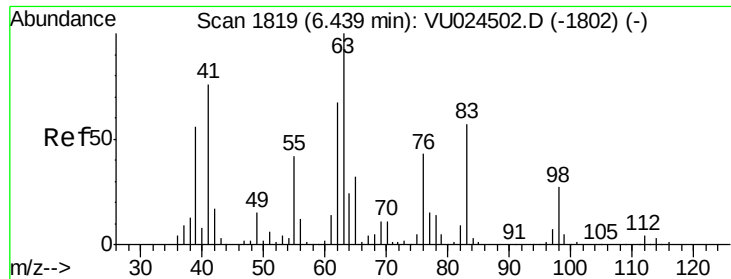
MMDadoda
6/29/2018 4:23:45 PM



#44
Trichloroethene
Concen: 49.52 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	202.4





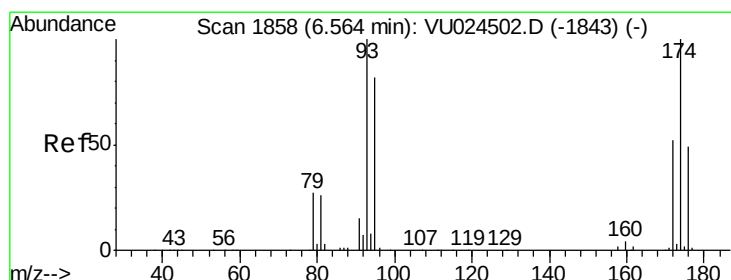
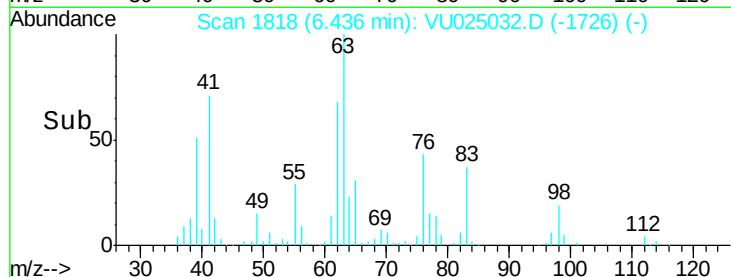
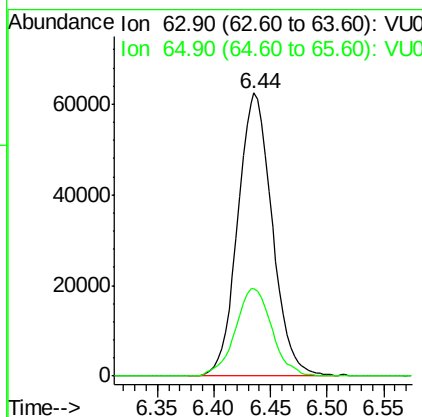
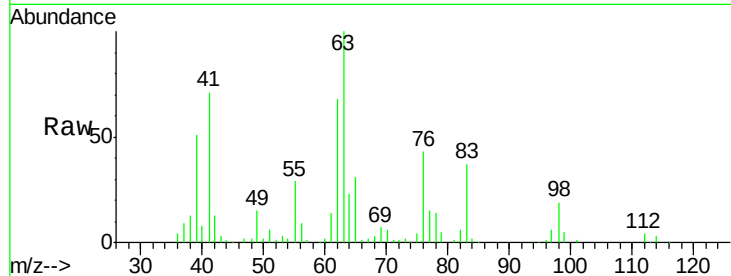
#45
 1,2-Dichloropropane
 Concen: 50.92 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion: 63 Resp: 132487
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2

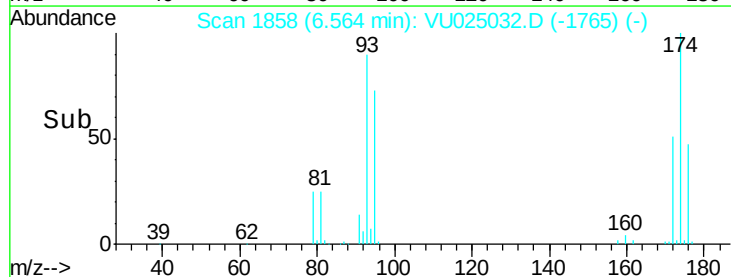
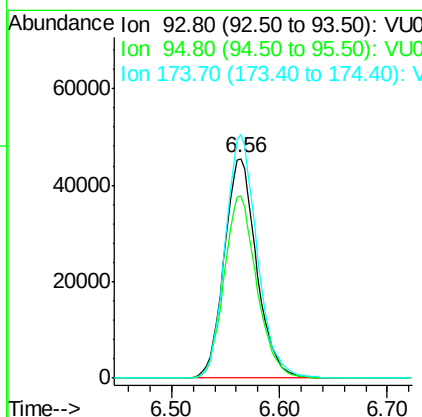
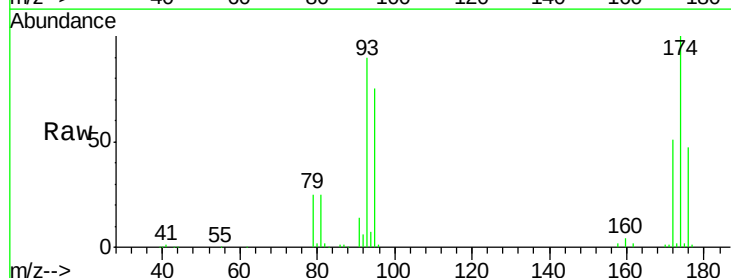
Manual Integrations
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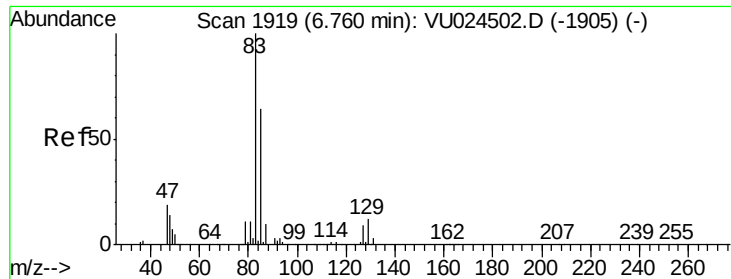
MMDadoda
 6/29/2018 4:23:45 PM



#46
 Dibromomethane
 Concen: 51.95 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion: 93 Resp: 94943
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.5 98.3
 174 109.3 78.7 118.1





#47

Bromodichloromethane

Concen: 50.20 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

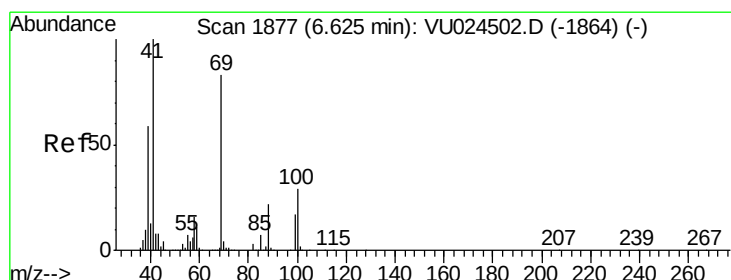
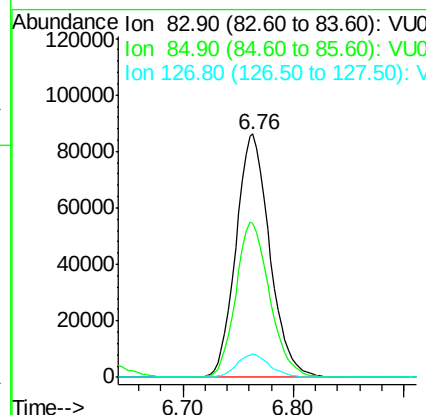
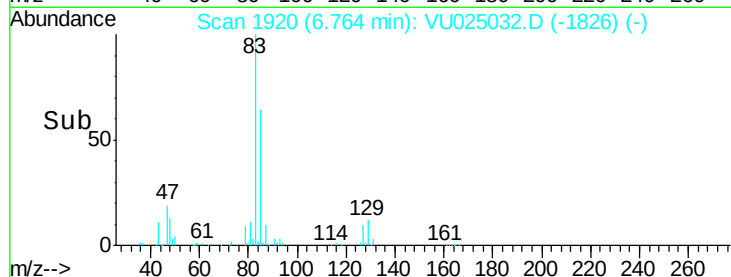
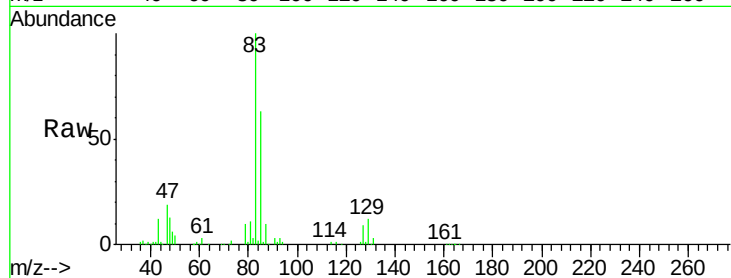
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	83	Resp:	182723
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.9	77.9
127	9.5	6.6	9.8

Manual Integrations
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MMDadoda
6/29/2018 4:23:45 PM



#48

Methyl methacrylate

Concen: 53.45 ug/l

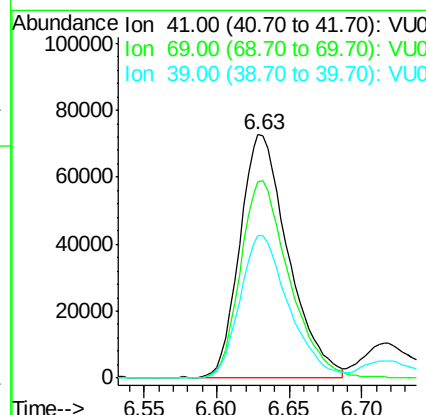
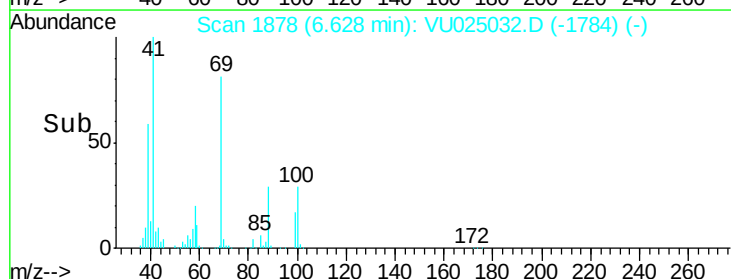
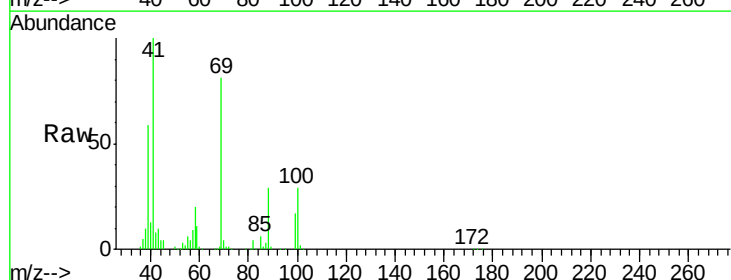
RT: 6.63 min Scan# 1878

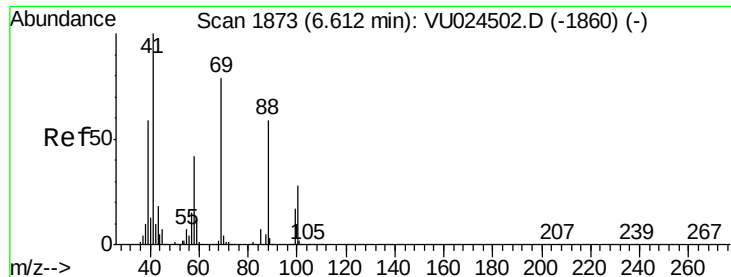
Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	41	Resp:	167809
Ion Ratio	Lower	Upper	
41	100		
69	82.3	67.3	100.9
39	58.9	46.5	69.7





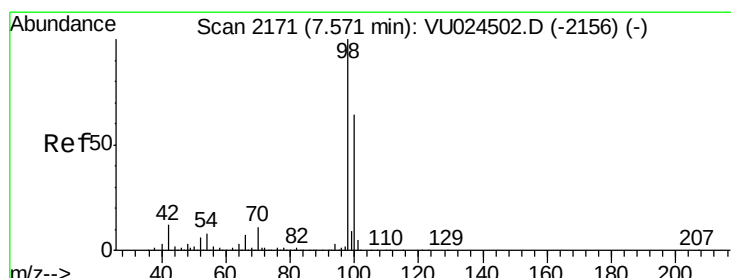
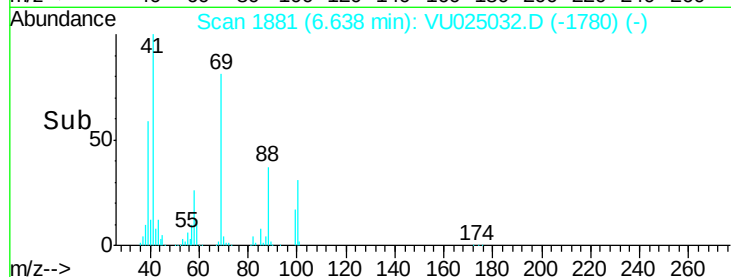
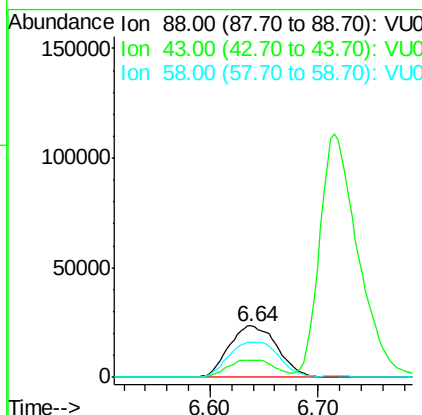
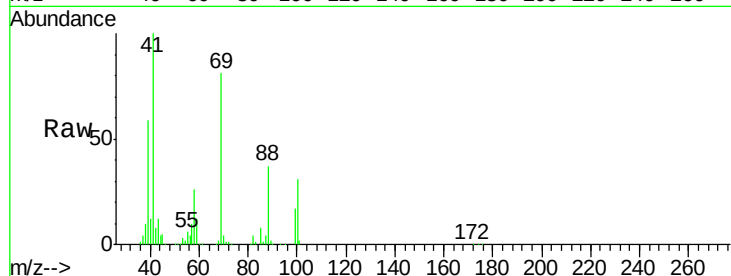
#49
1,4-Dioxane
Concen: 1181.60 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.03 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	17.5	28.6	42.8#
58	71.7	58.2	87.4

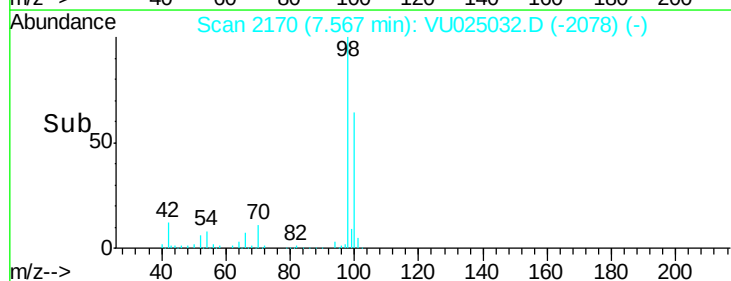
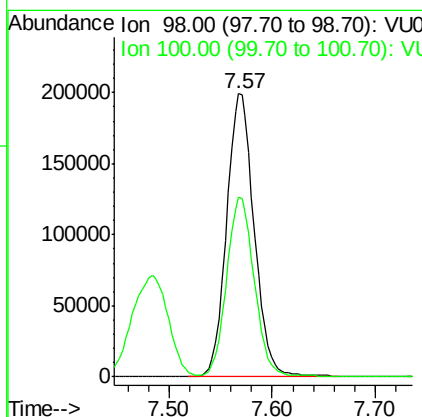
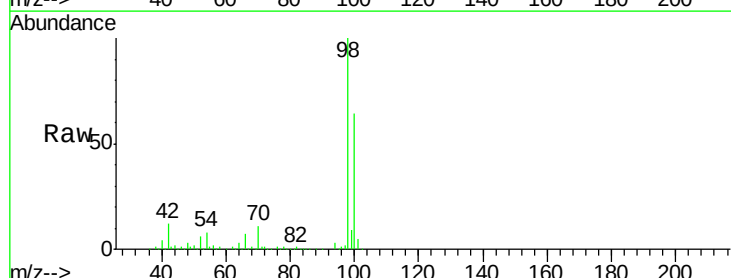
Manual Integrations
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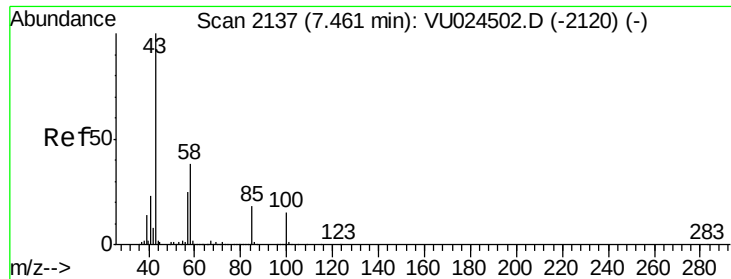
MMDadoda
6/29/2018 4:23:45 PM



#50
Toluene-d8
Concen: 42.11 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





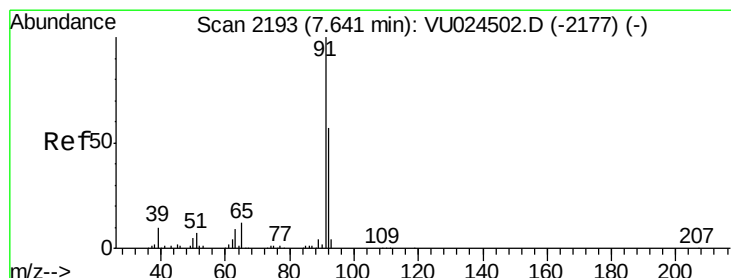
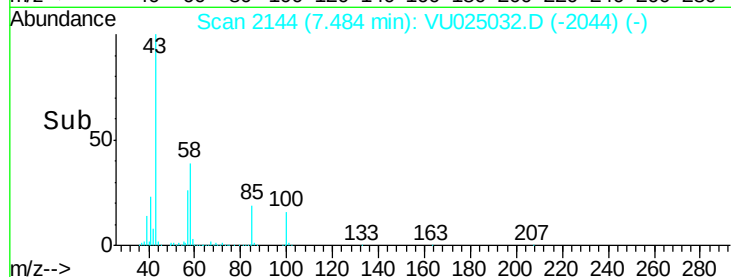
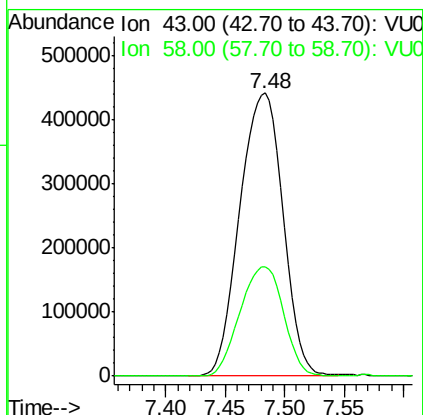
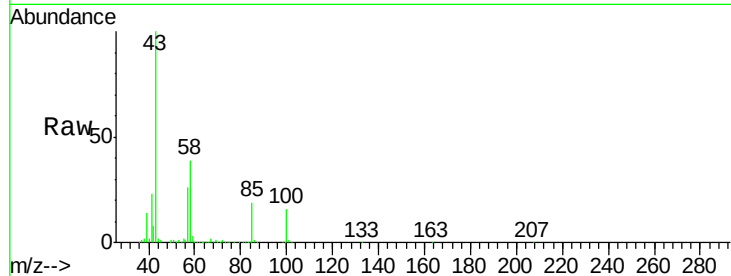
#51
4-Methyl-2-Pentanone
Concen: 274.52 ug/l
RT: 7.48 min Scan# 2144
Delta R.T. 0.02 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion: 43 Resp: 1112042
Ion Ratio Lower Upper
43 100
58 39.1 30.0 45.0

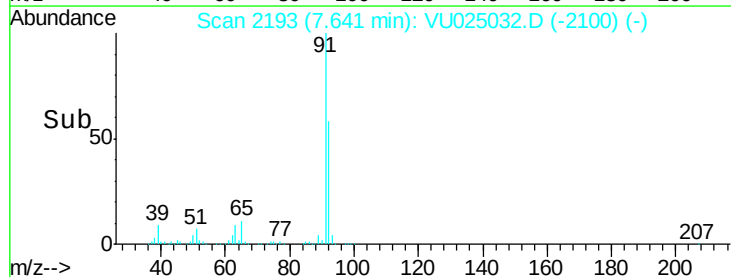
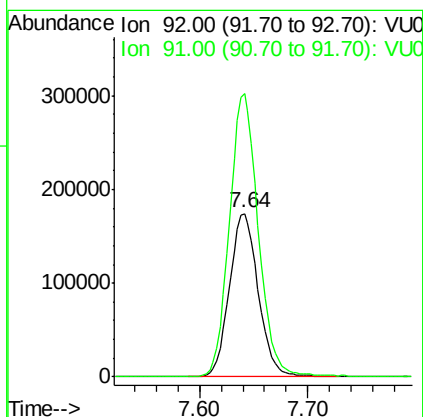
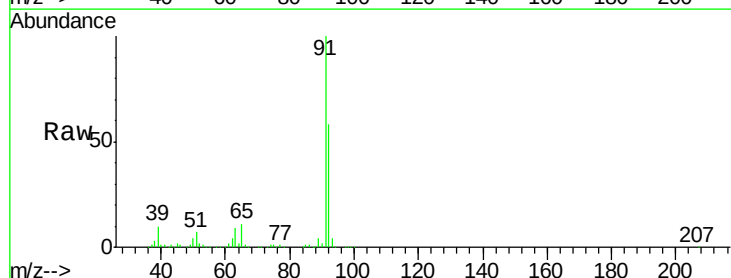
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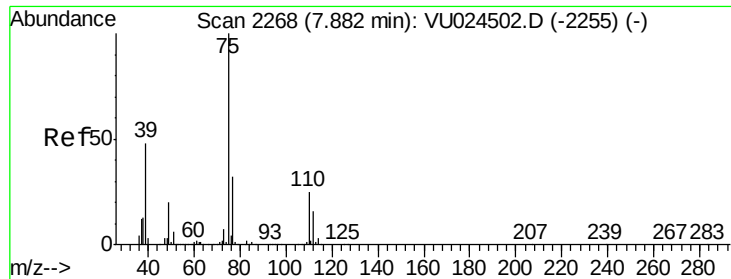
MMDadoda
6/29/2018 4:23:45 PM



#52
Toluene
Concen: 51.90 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion: 92 Resp: 325655
Ion Ratio Lower Upper
92 100
91 174.1 140.5 210.7





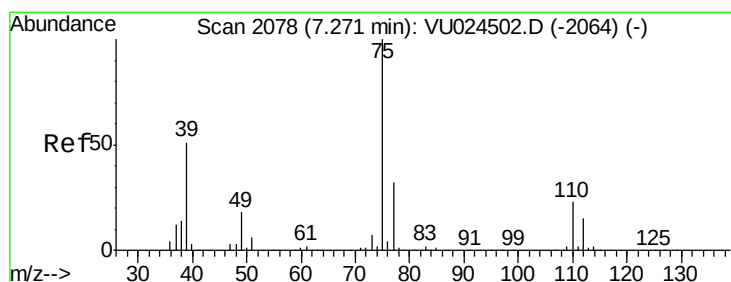
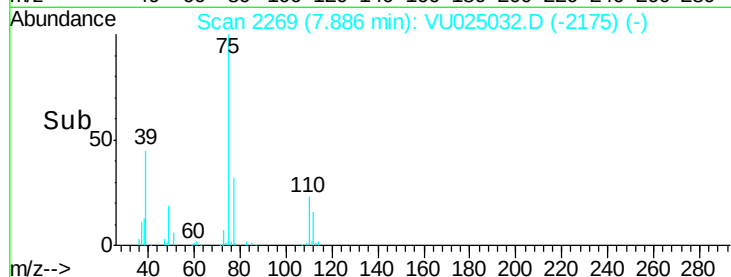
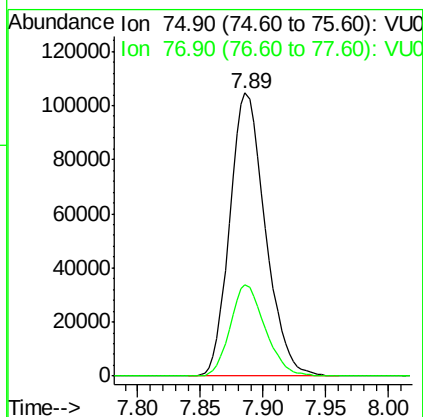
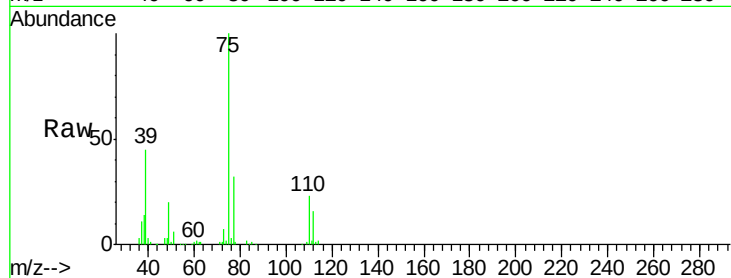
#53
t-1,3-Dichloropropene
Concen: 50.44 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2

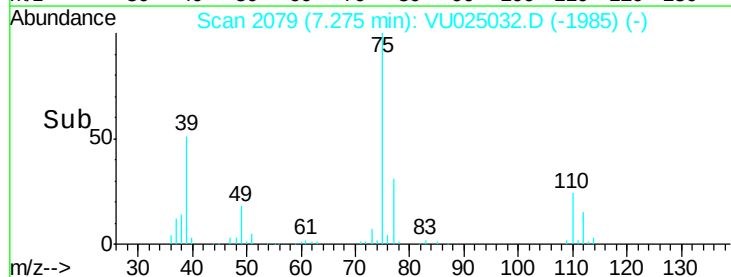
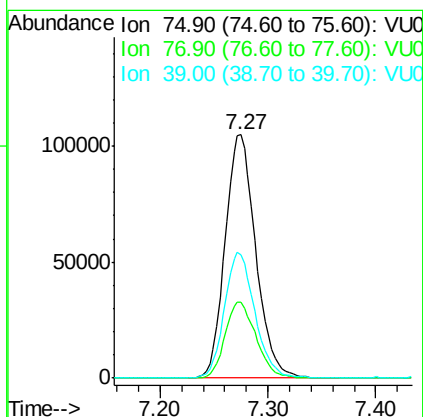
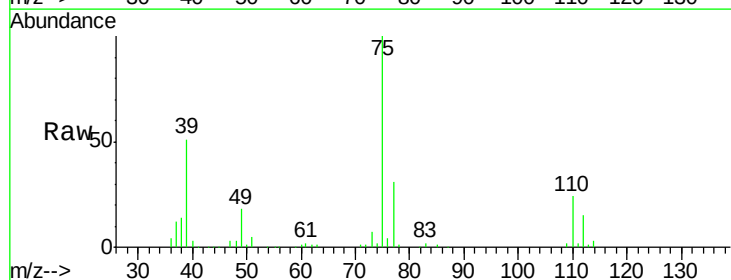
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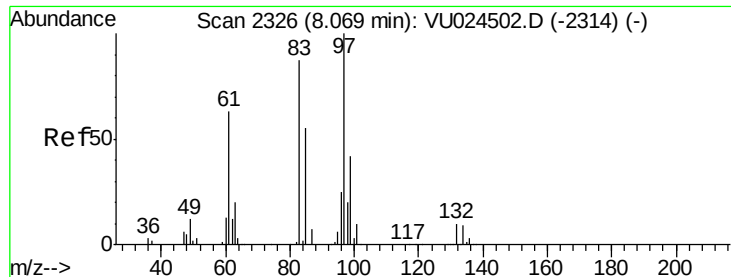
MMDadoda
6/29/2018 4:23:45 PM



#54
cis-1,3-Dichloropropene
Concen: 47.67 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8
39	50.7	39.8	59.6





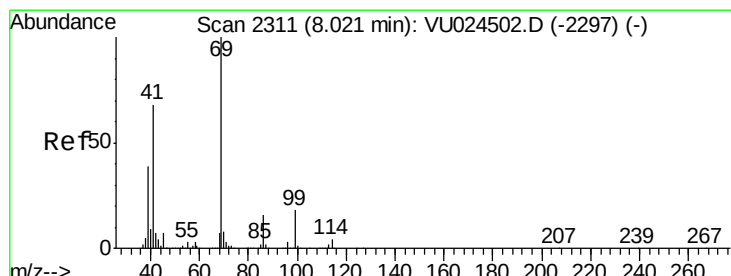
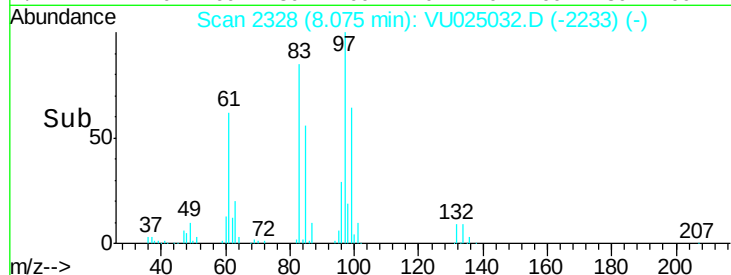
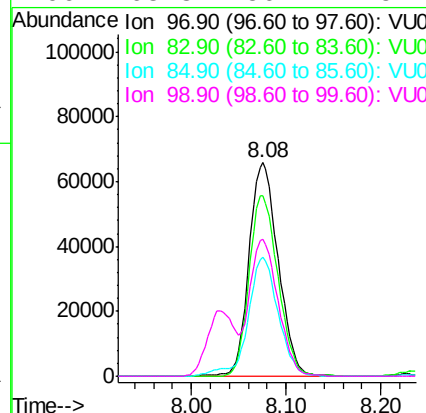
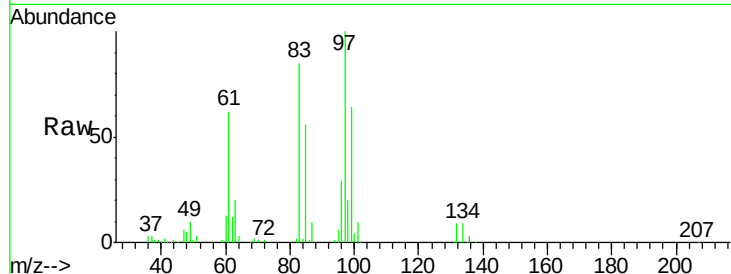
#55
1,1,2-Trichloroethane
Concen: 55.13 ug/l
RT: 8.08 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		140598		
83	84.8	70.5	105.7		
85	55.7	46.4	69.6		
99	63.8	50.2	75.2		

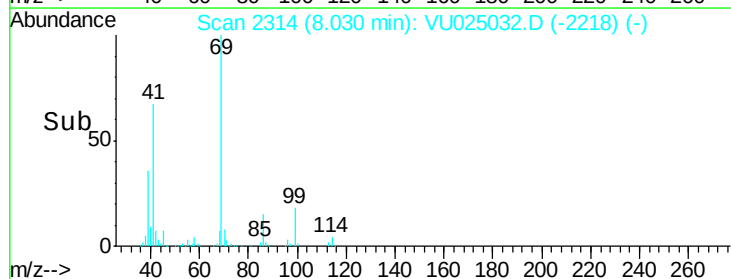
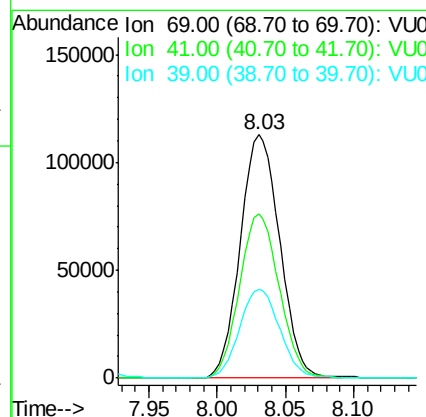
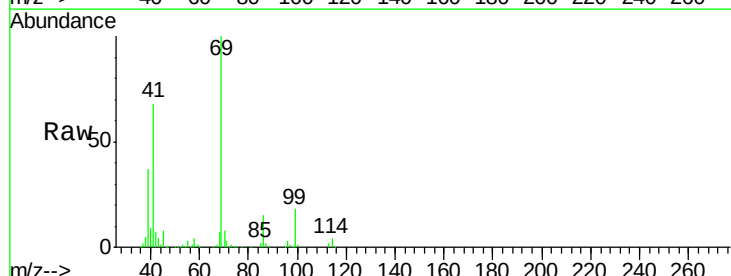
Manual Integrations
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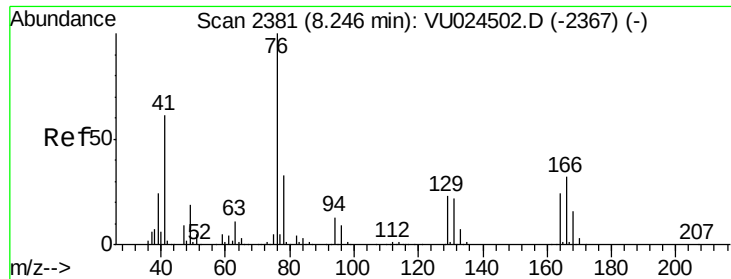
MMDadoda
6/29/2018 4:23:45 PM



#56
Ethyl methacrylate
Concen: 53.18 ug/l
RT: 8.03 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		226990		
41	68.0	54.1	81.1		
39	37.0	30.3	45.5		





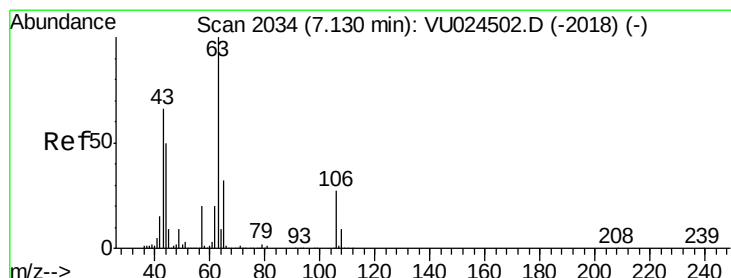
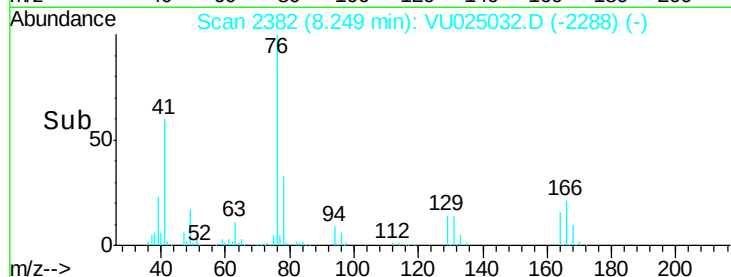
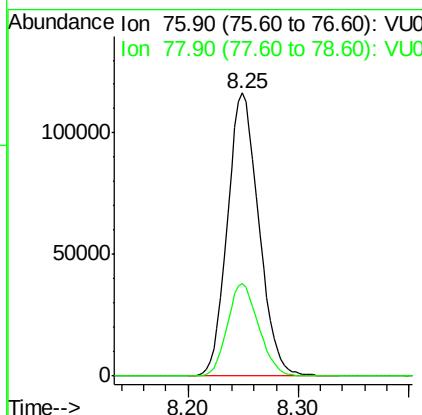
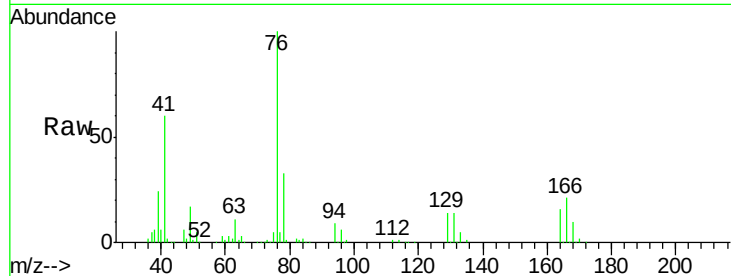
#57
 1,3-Dichloropropane
 Concen: 53.53 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion: 76 Resp: 230298
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.2 37.8

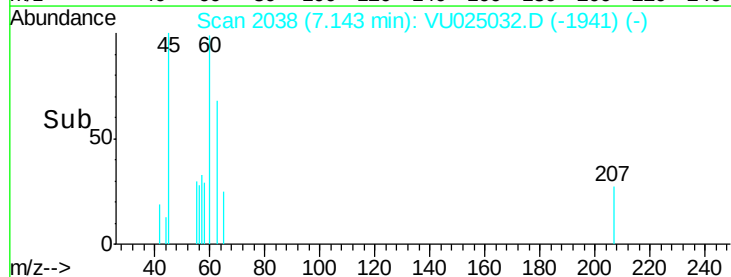
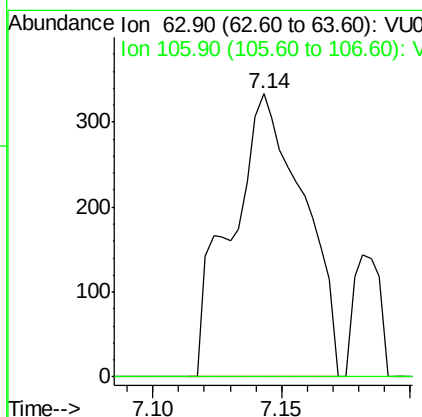
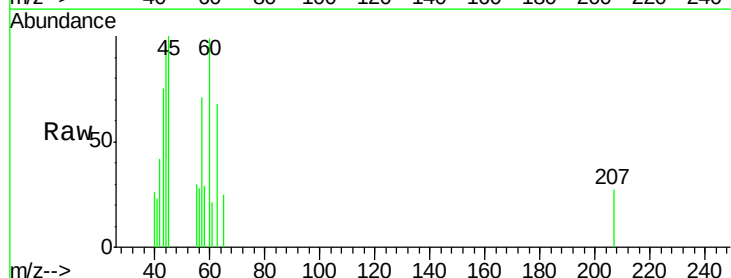
Manual Integrations
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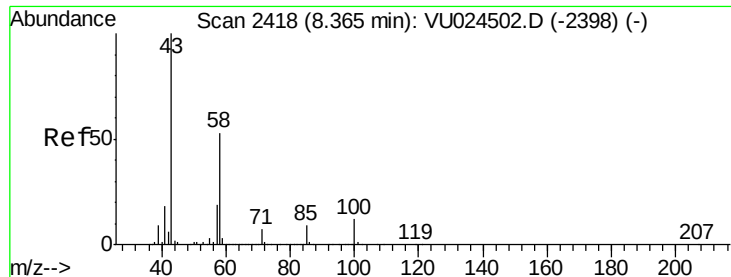
MMDadoda
 6/29/2018 4:23:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.40 ug/l
 RT: 7.14 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion: 63 Resp: 654
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#





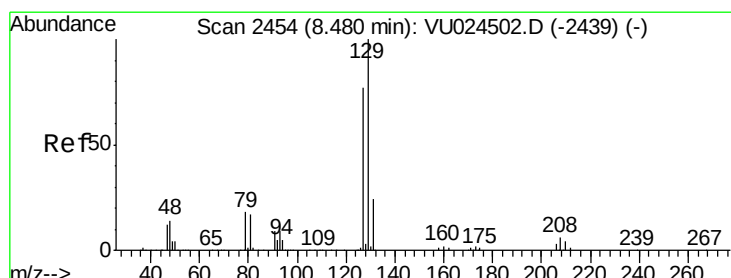
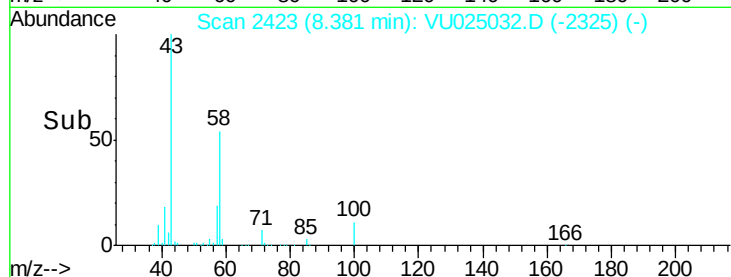
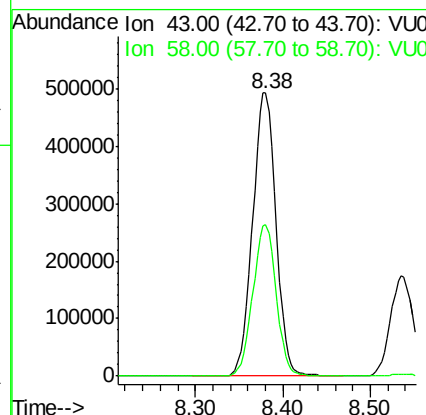
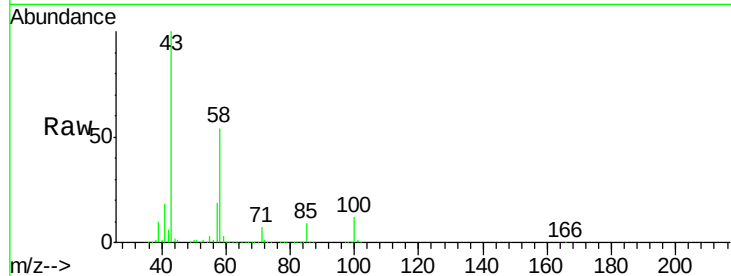
#59
2-Hexanone
Concen: 276.15 ug/l
RT: 8.38 min Scan# 2423
Delta R.T. 0.02 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion: 43 Resp: 913276
Ion Ratio Lower Upper
43 100
58 53.6 26.4 79.0

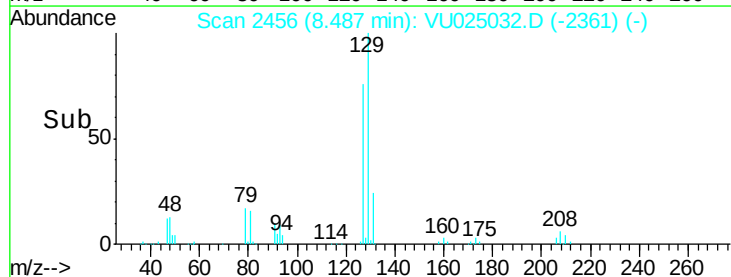
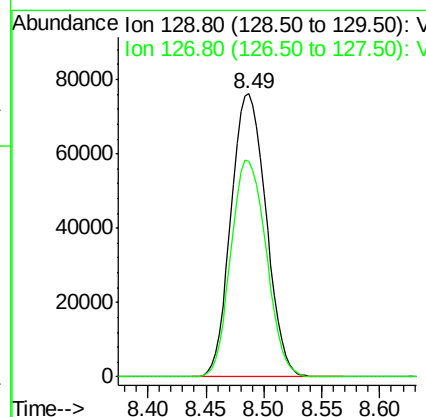
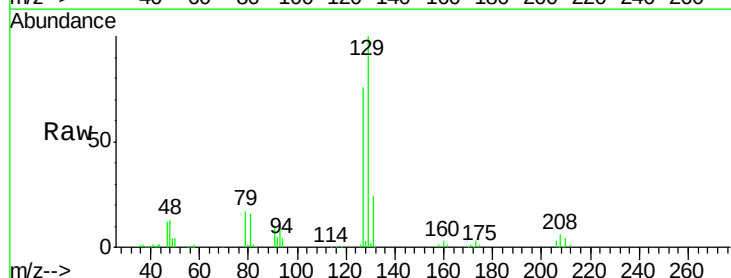
Manual Integrations
APPROVED

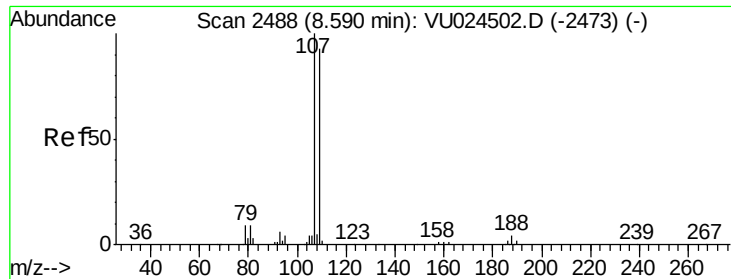
MMDadoda
6/29/2018 4:23:45 PM



#60
Dibromochloromethane
Concen: 50.19 ug/l
RT: 8.49 min Scan# 2456
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion: 129 Resp: 159634
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.50 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 107 Resp: 151872

Ion Ratio Lower Upper

107 100

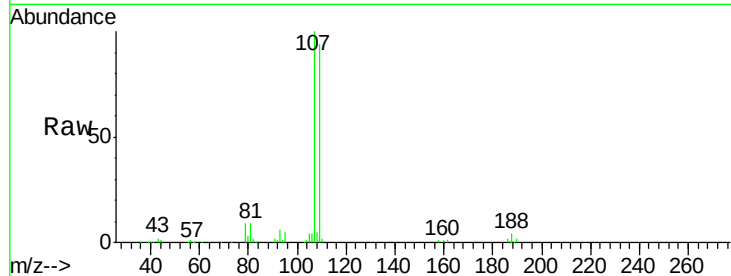
109 94.1 74.5 111.7

Manual Integrations

APPROVED

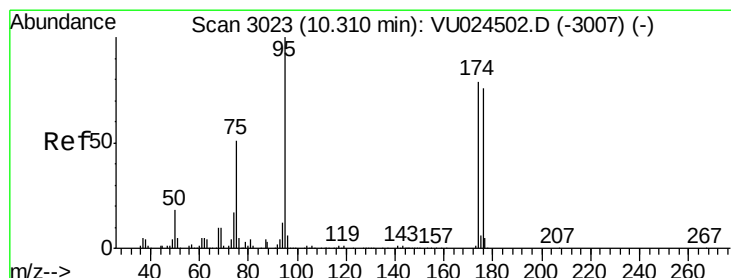
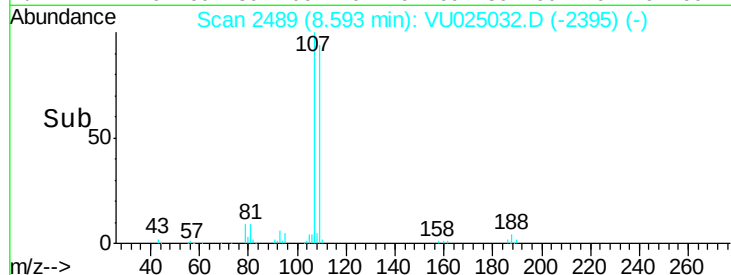
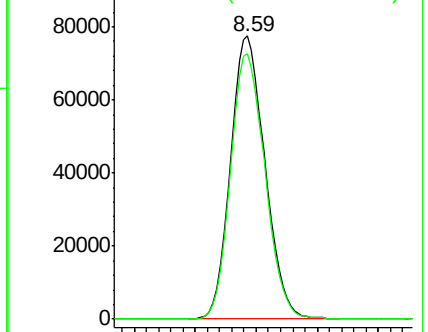
MMDadoda

6/29/2018 4:23:45 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.77 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

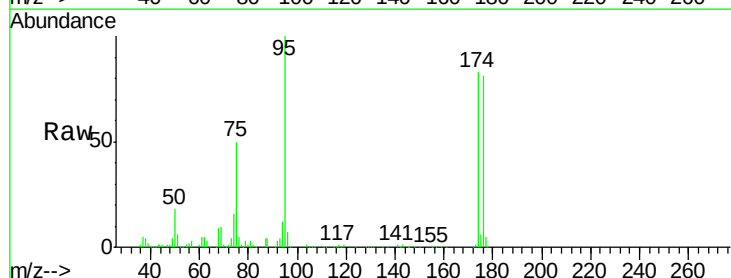
Tgt Ion: 95 Resp: 170716

Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

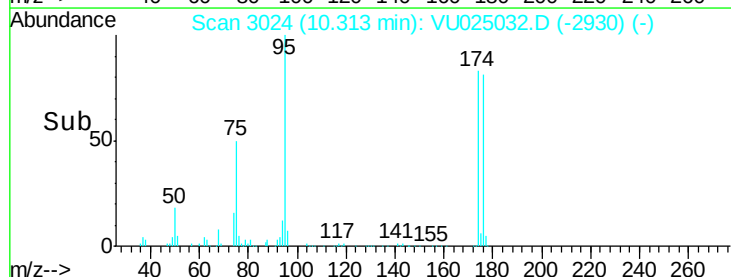
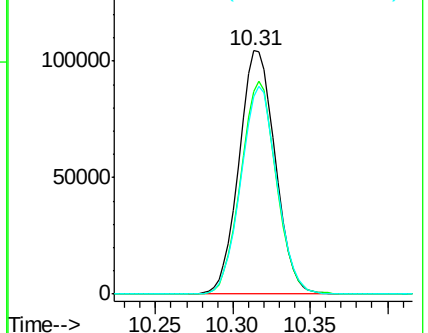
176 84.6 0.0 159.4

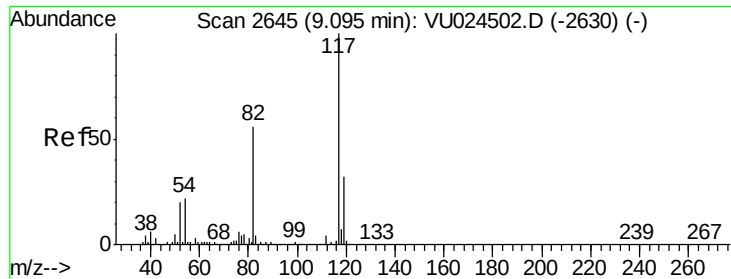


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





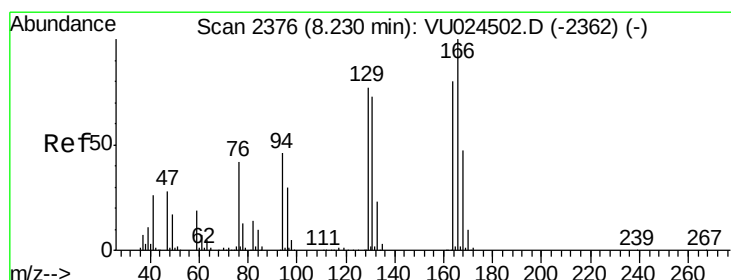
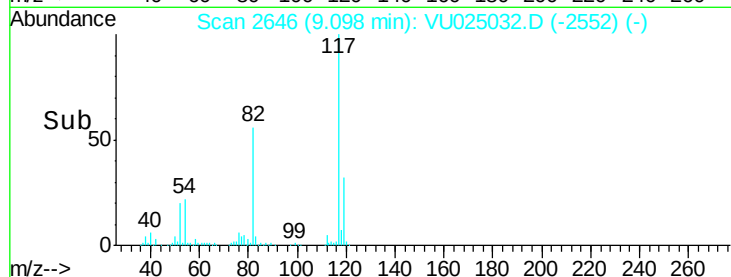
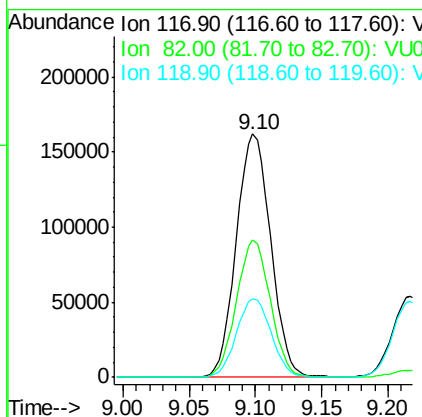
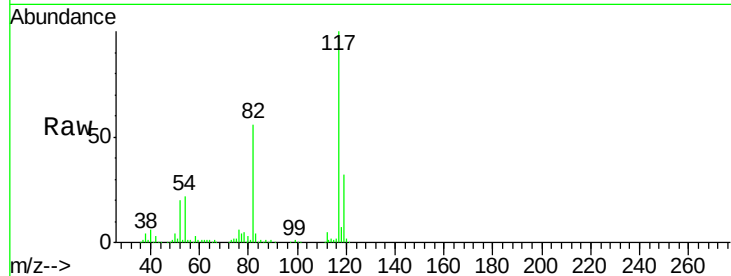
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293660		
82	56.3		44.3	66.5
119	32.4		25.4	38.2

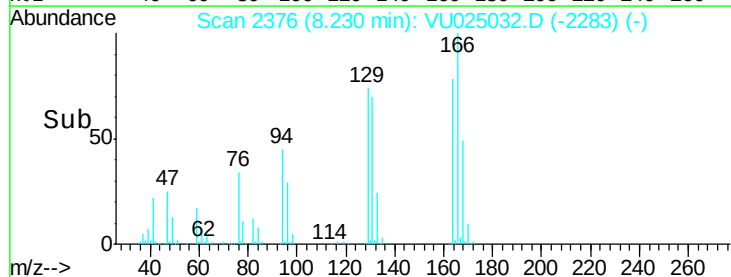
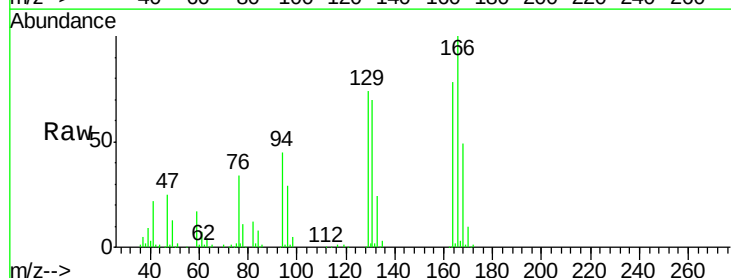
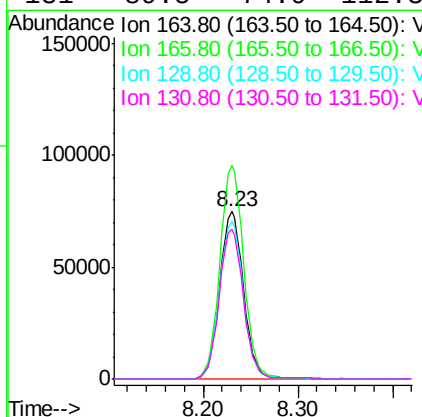
Manual Integrations
APPROVED

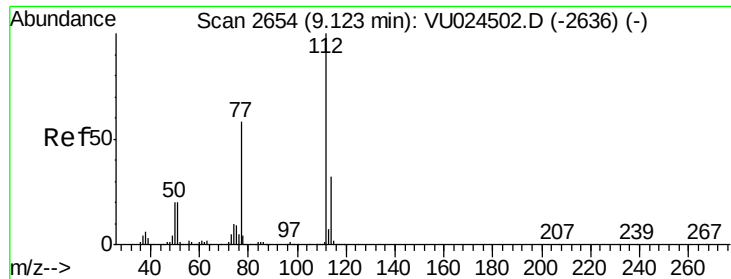
MMDadoda
6/29/2018 4:23:45 PM



#64
Tetrachloroethene
Concen: 46.99 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131157		
166	127.5		101.7	152.5
129	93.8		76.9	115.3
131	89.5		74.9	112.3





#65

Chlorobenzene

Concen: 55.22 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:112 Resp: 414233

Ion Ratio Lower Upper

112 100

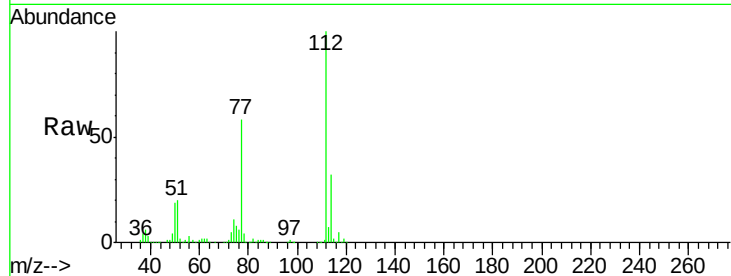
114 32.3 25.6 38.4

Manual Integrations

APPROVED

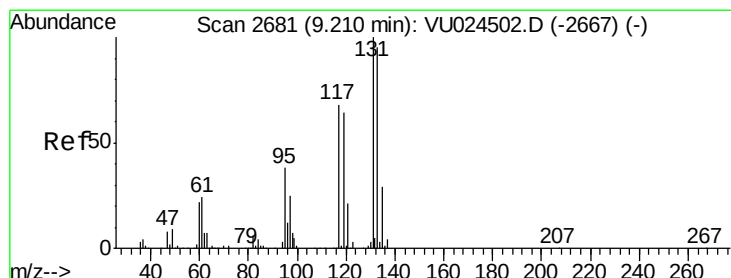
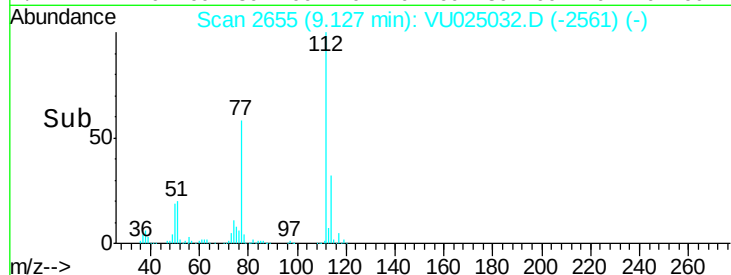
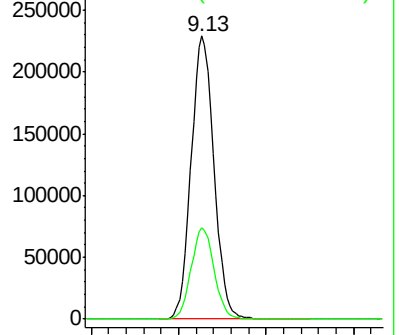
MMDadoda

6/29/2018 4:23:45 PM



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: 51.20 ug/l

RT: 9.22 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

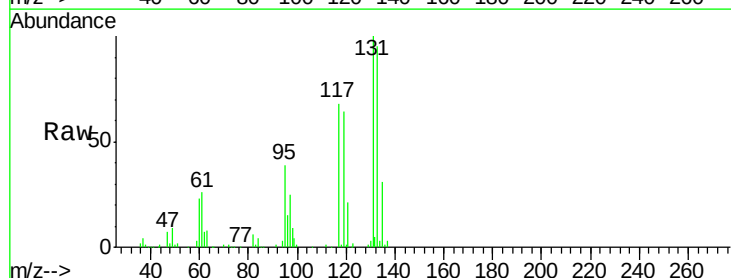
Tgt Ion:131 Resp: 145939

Ion Ratio Lower Upper

131 100

133 94.1 46.9 140.8

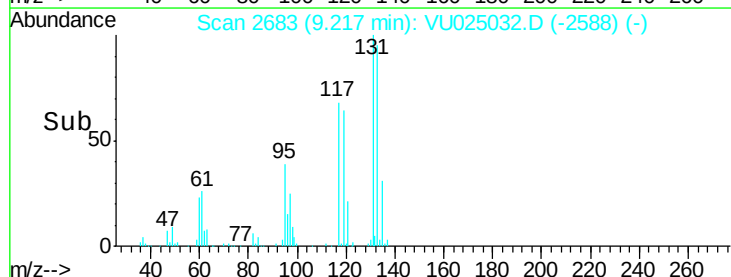
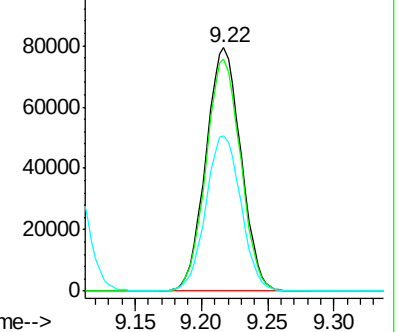
119 64.0 33.5 100.4

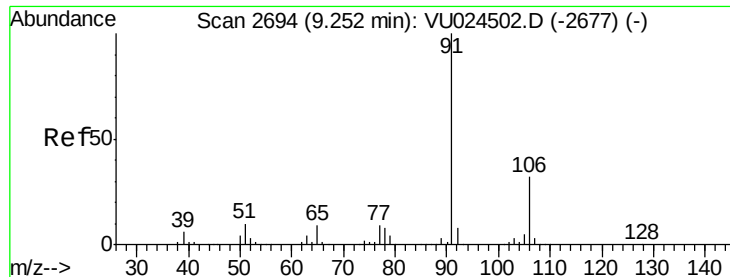


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.49 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 91 Resp: 664057

Ion Ratio Lower Upper

91 100

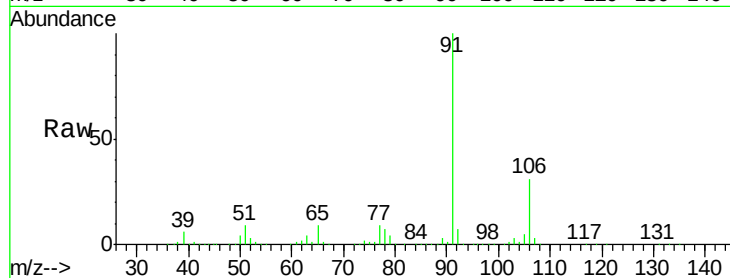
106 31.1 24.2 36.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-2677) (-)

Ion 106.00 (105.70 to 106.70): VU024502.D (-2677) (-)

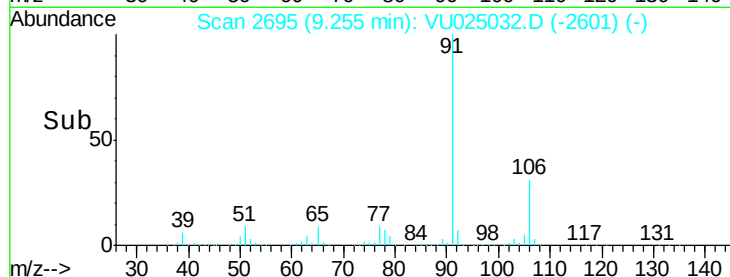
600000

400000

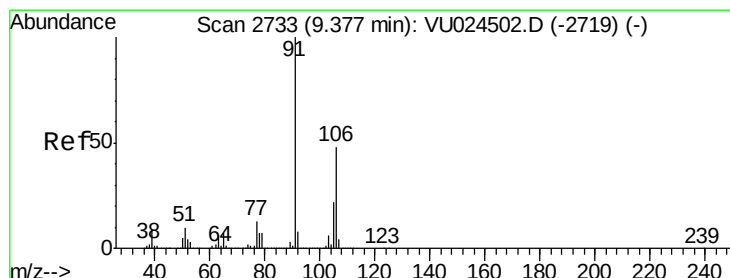
200000

0

9.15 9.20 9.25 9.30 9.35



Time-->



#68

m/p-Xylenes

Concen: 102.87 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025032.D

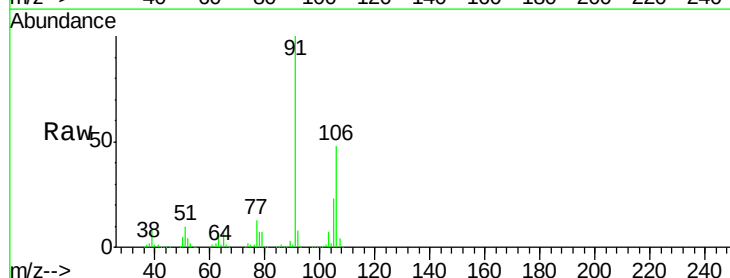
Acq: 28 Jun 2018 19:56

Tgt Ion: 106 Resp: 519533

Ion Ratio Lower Upper

106 100

91 202.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024502.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2719) (-)

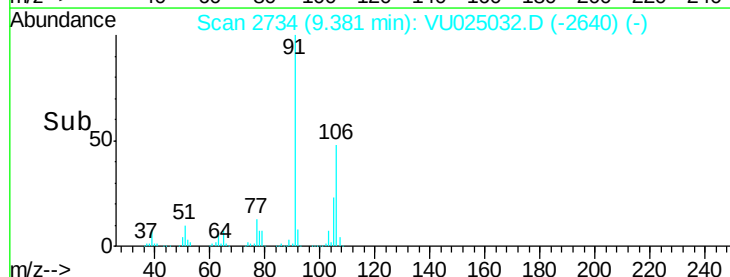
600000

400000

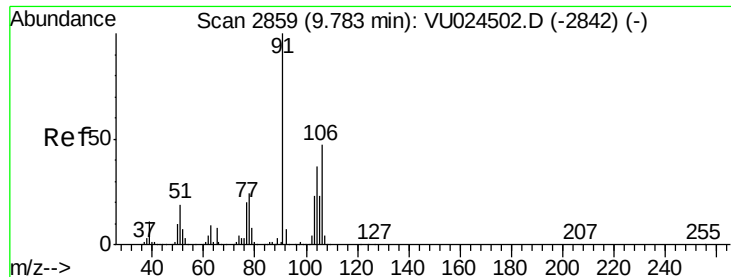
200000

0

9.30 9.40 9.50



Time-->



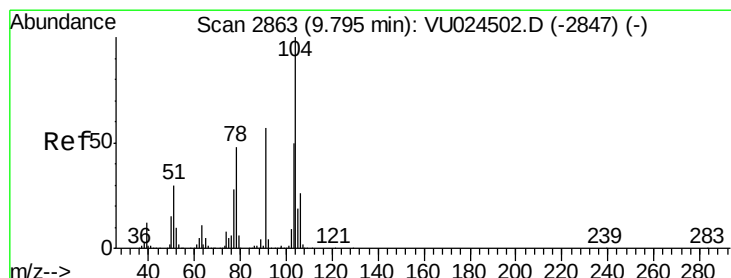
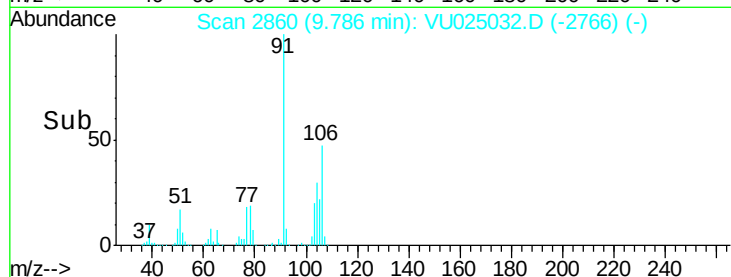
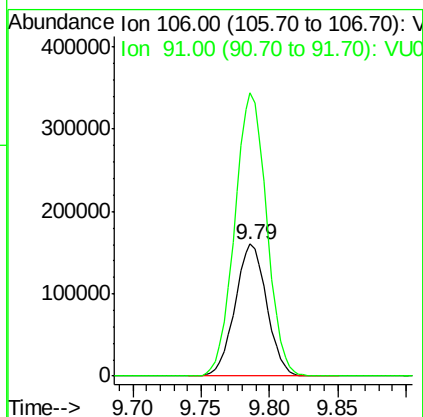
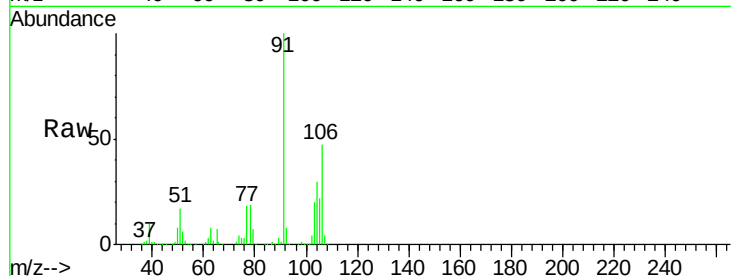
#69
o-Xylene
Concen: 51.68 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		258293		
91	216.5	110.7	331.9		

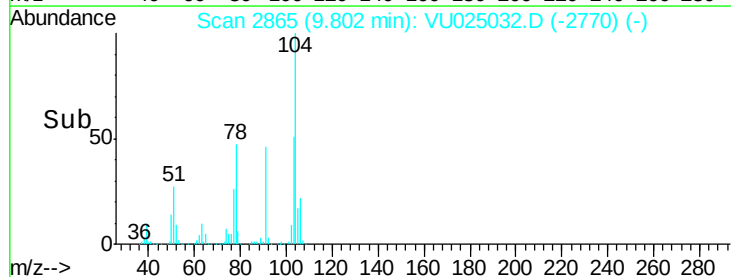
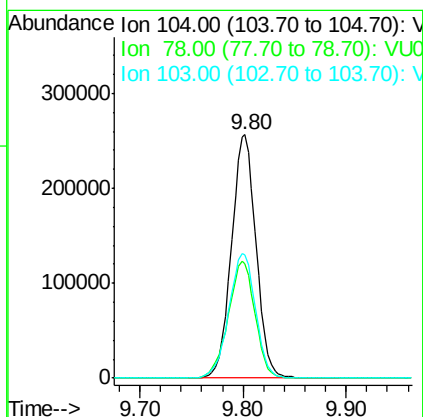
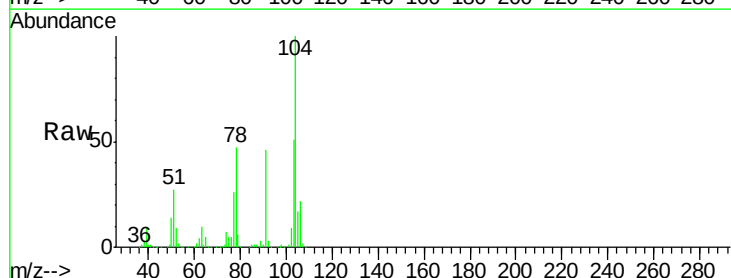
Manual Integrations
APPROVED

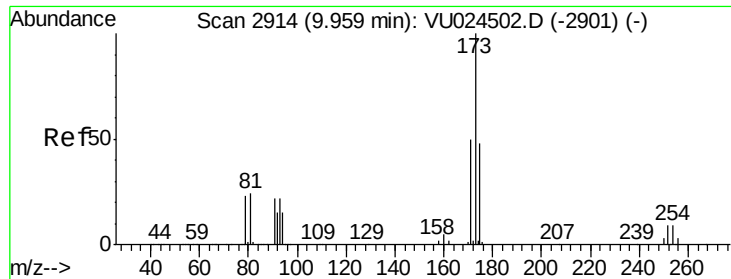
MMDadoda
6/29/2018 4:23:45 PM



#70
Styrene
Concen: 51.84 ug/l
RT: 9.80 min Scan# 2865
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		425772		
78	52.3	40.6	60.8		
103	55.9	44.7	67.1		





#71

Bromoform

Concen: 50.79 ug/l

RT: 9.97 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

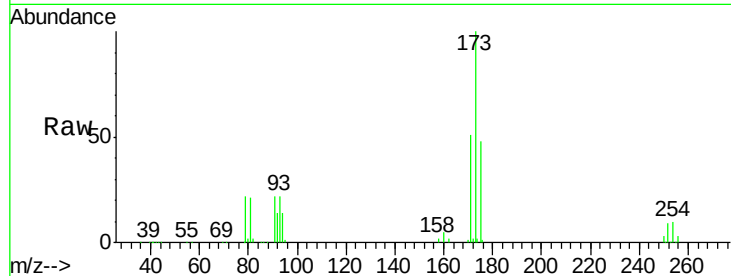
ClientSampleId :

WP021SB472-13-15-180618MS

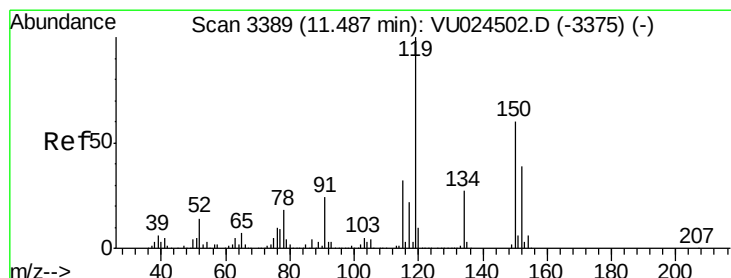
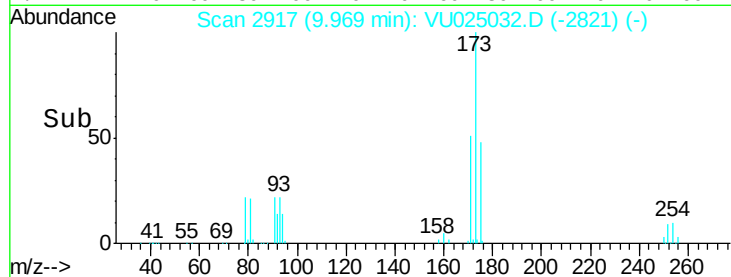
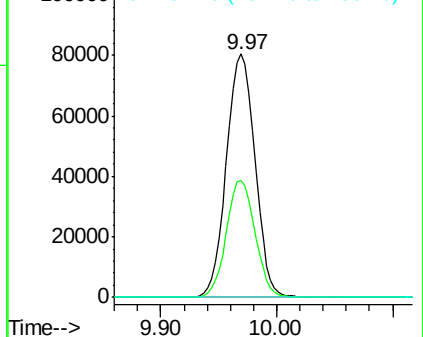
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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6/29/2018 4:23:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

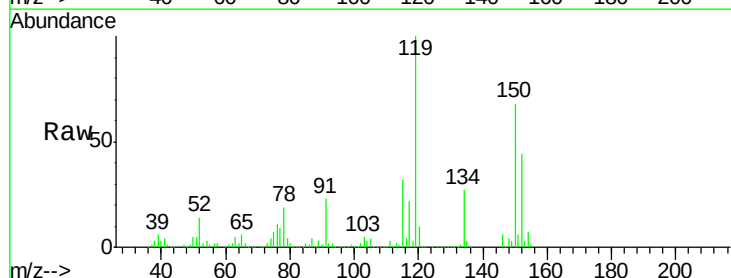
RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

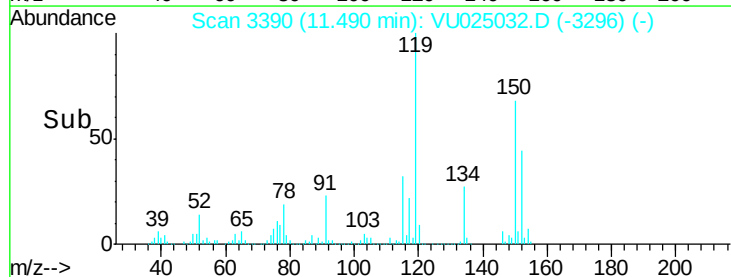
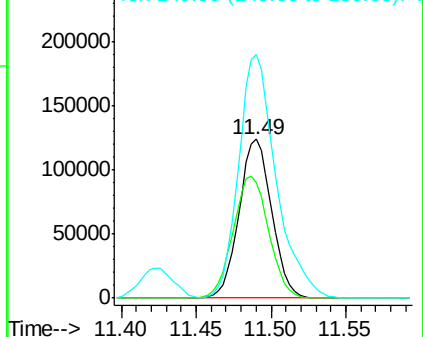
Lab File: VU025032.D

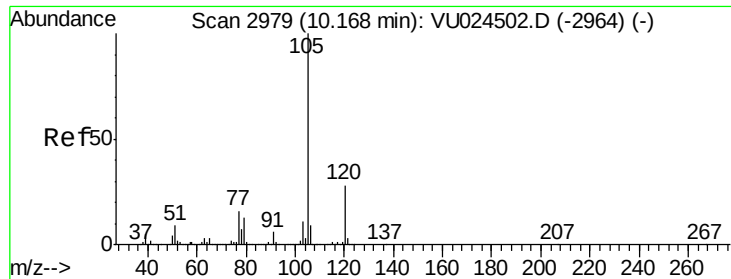
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	83.5	43.0	129.0
150	176.4	0.0	354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.80 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 105 Resp: 706685

Ion Ratio Lower Upper

105 100

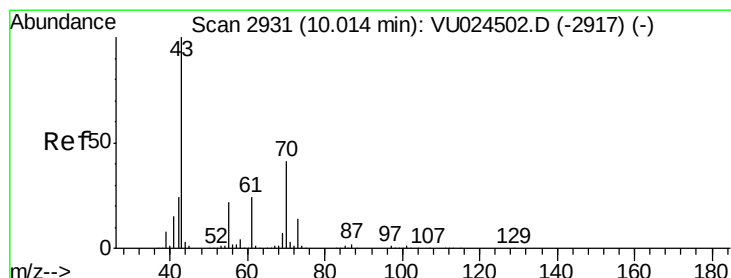
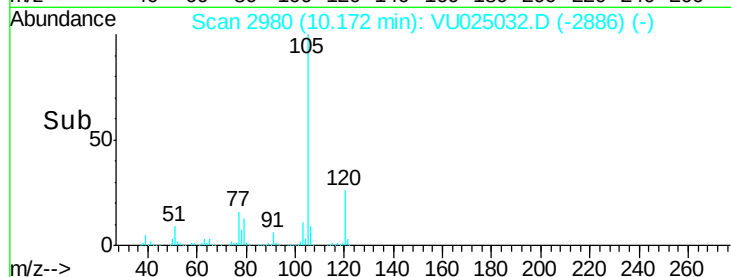
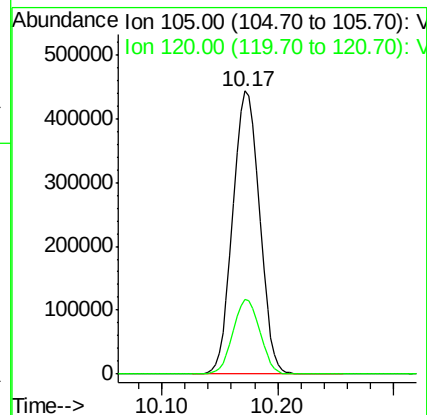
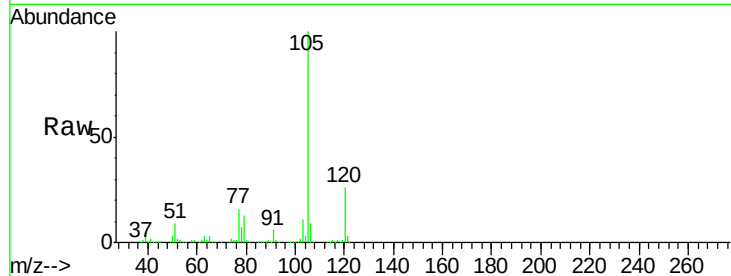
120 26.5 13.2 39.6

Manual Integrations

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6/29/2018 4:23:45 PM



#74

N-ethyl acetate

Concen: 47.27 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion: 43 Resp: 325614

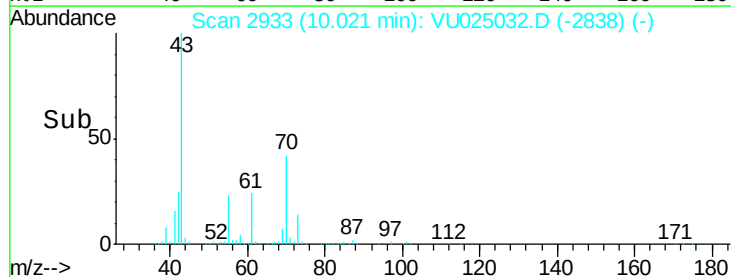
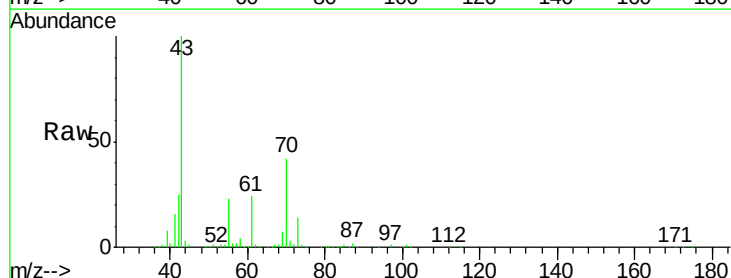
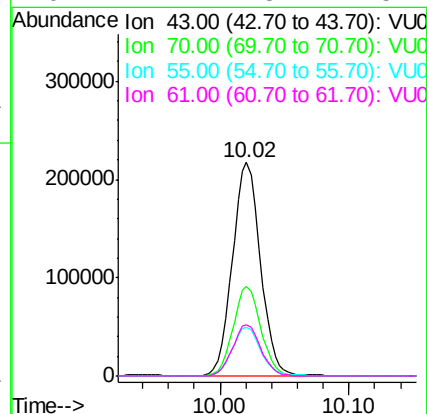
Ion Ratio Lower Upper

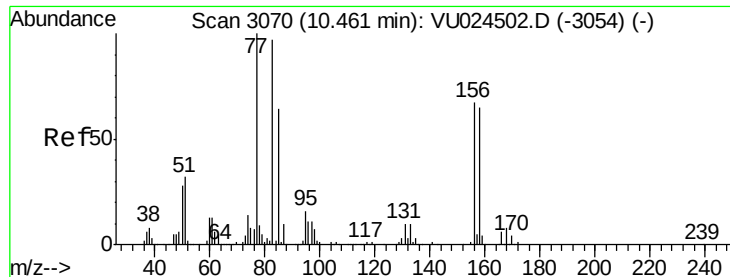
43 100

70 41.8 32.2 48.4

55 23.7 20.5 30.7

61 24.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.66 ug/l

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 83 Resp: 250714

Ion Ratio Lower Upper

83 100

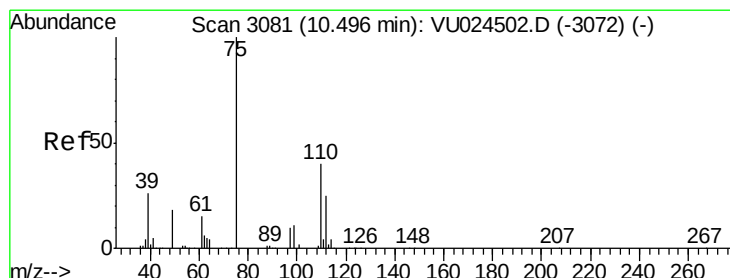
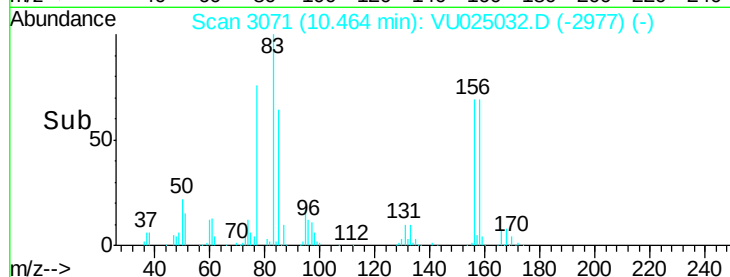
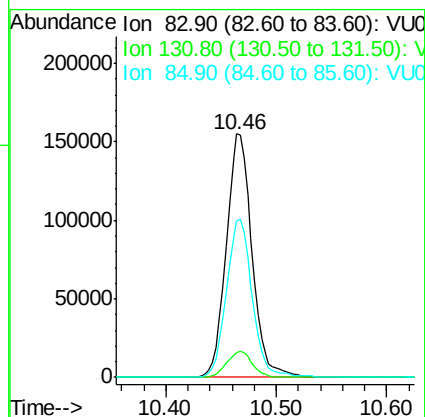
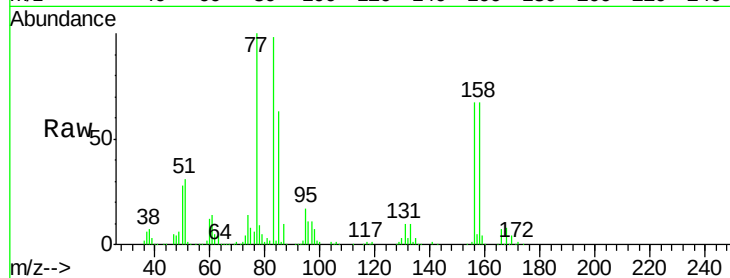
131 10.7 4.7 14.1

85 65.4 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 53.60 ug/l m

RT: 10.50 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VU025032.D

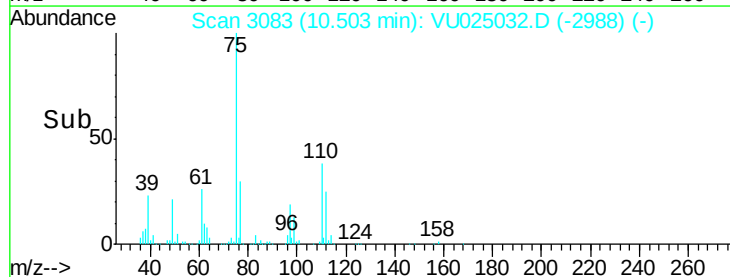
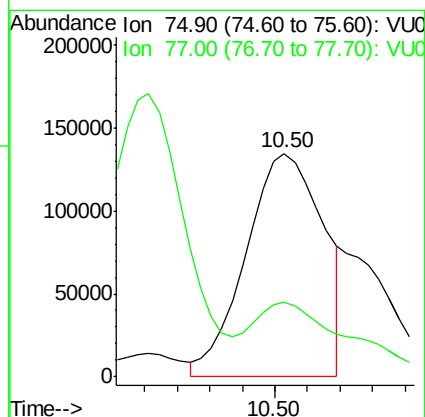
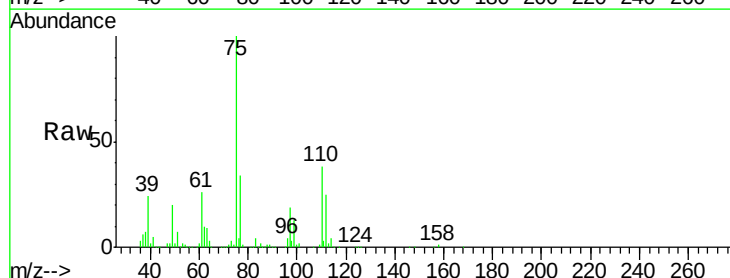
Acq: 28 Jun 2018 19:56

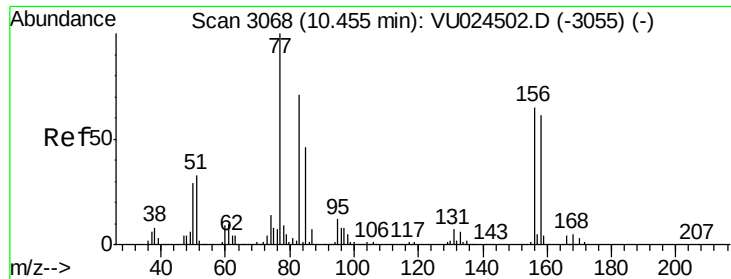
Tgt Ion: 75 Resp: 222586

Ion Ratio Lower Upper

75 100

77 42.8 20.9 62.7





#77

Bromobenzene

Concen: 50.88 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.01 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

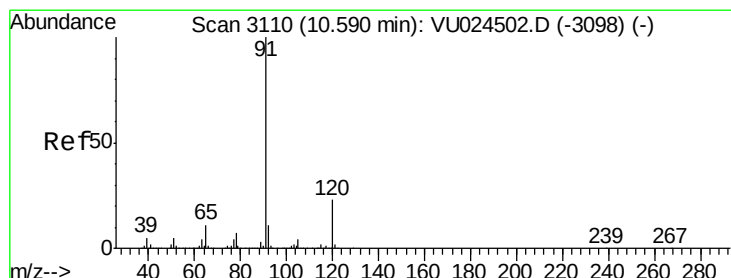
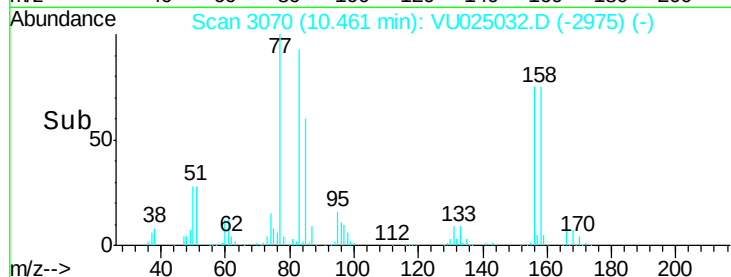
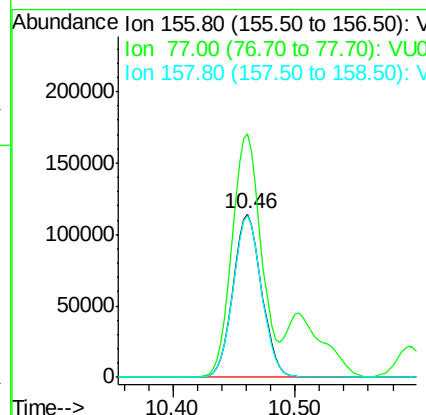
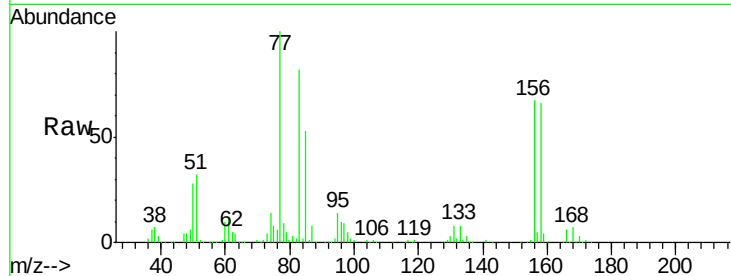
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.1	80.5	241.3
158	98.7	48.2	144.6

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#78

n-propylbenzene

Concen: 47.70 ug/l

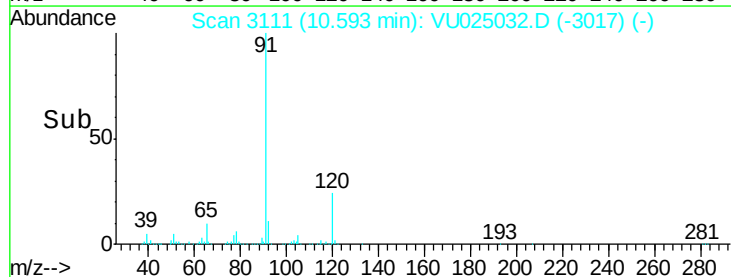
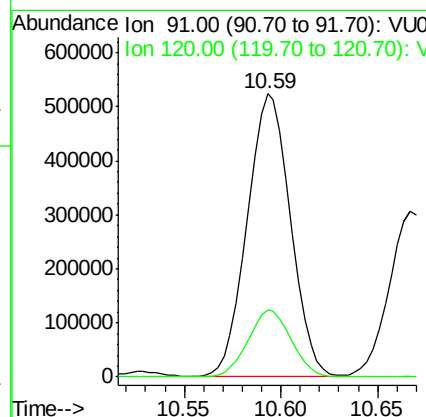
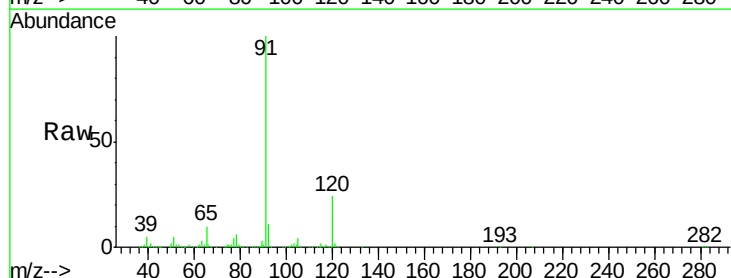
RT: 10.59 min Scan# 3111

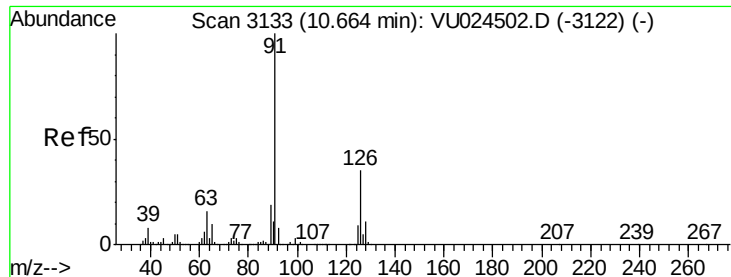
Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.99 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 91 Resp: 492846

Ion Ratio Lower Upper

91 100

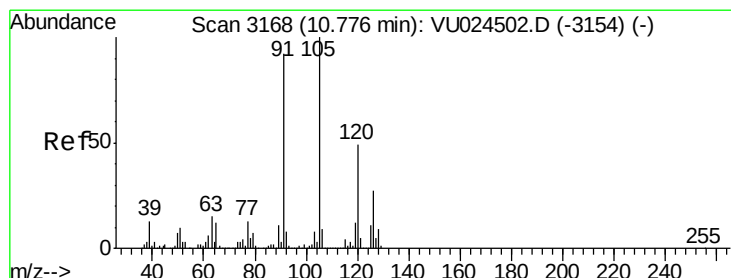
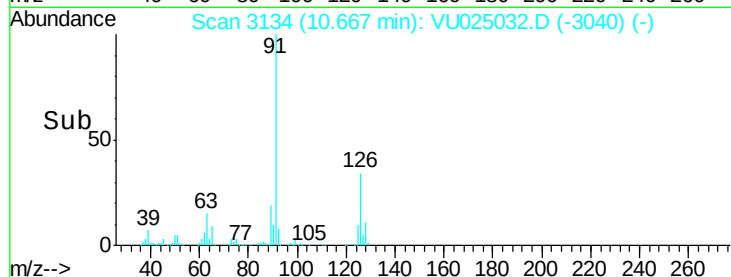
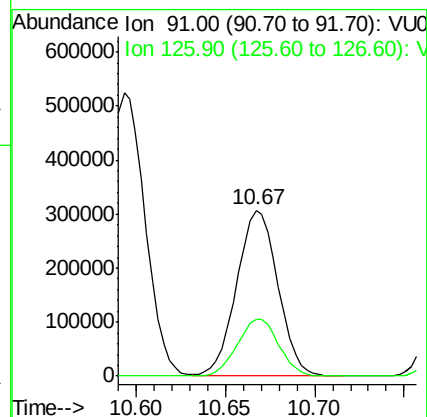
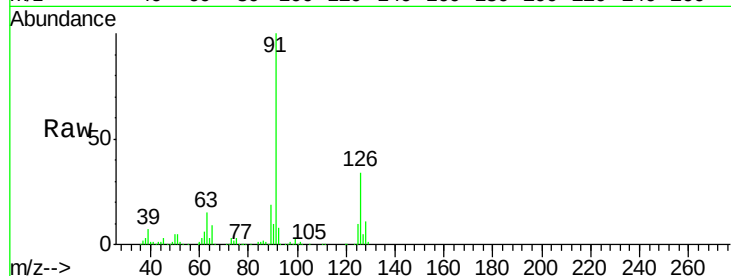
126 34.7 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.65 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025032.D

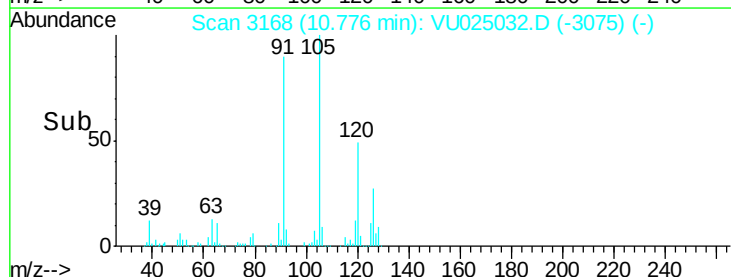
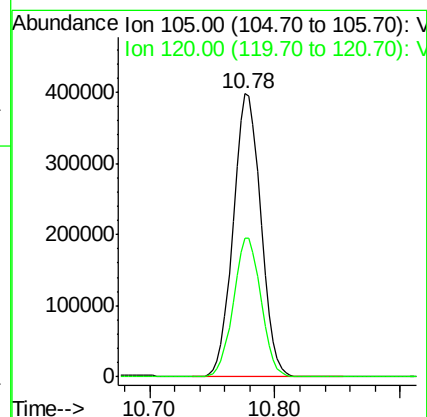
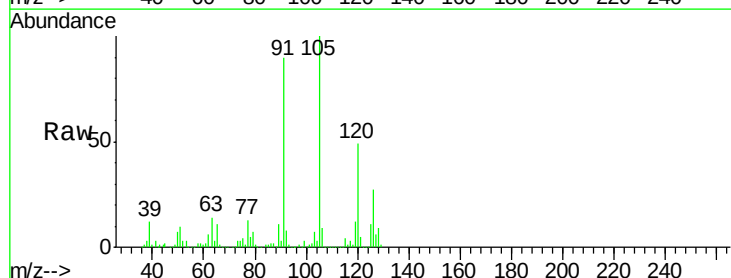
Acq: 28 Jun 2018 19:56

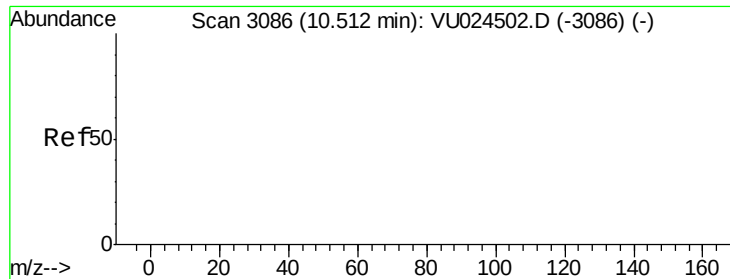
Tgt Ion: 105 Resp: 610703

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





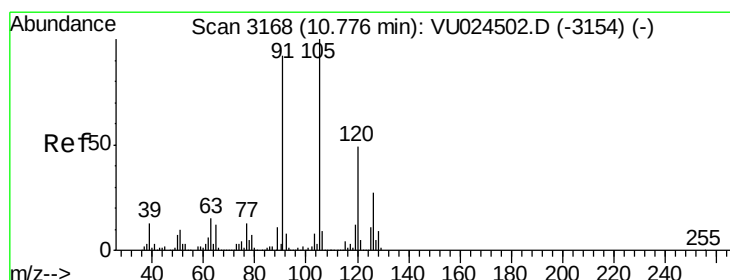
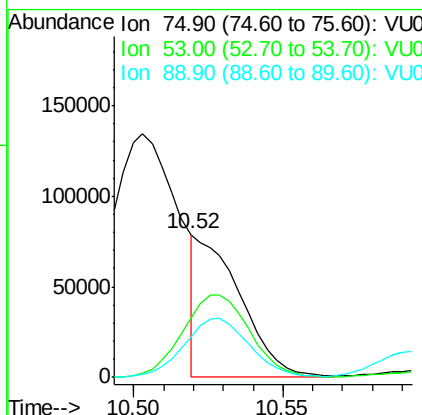
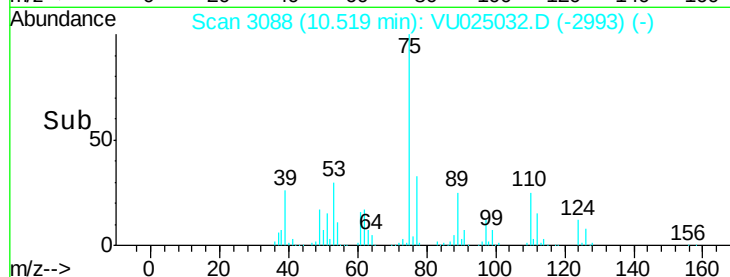
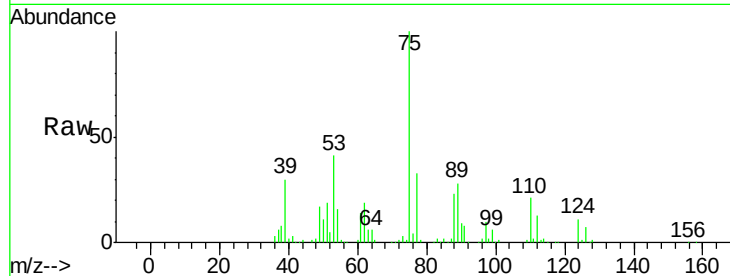
#81
trans-1,4-Dichloro-2-butene
Concen: 44.94 ug/l m
RT: 10.52 min Scan# 3088
Delta R.T. 0.01 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

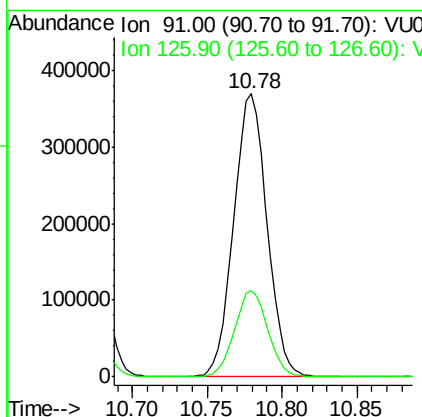
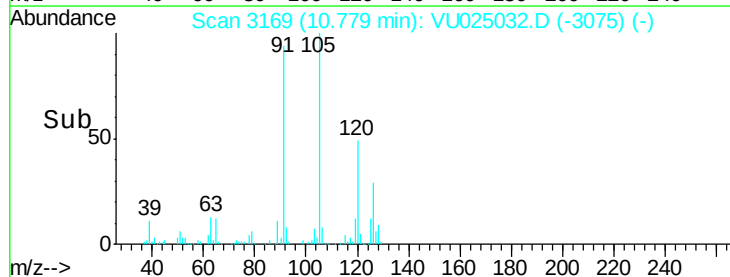
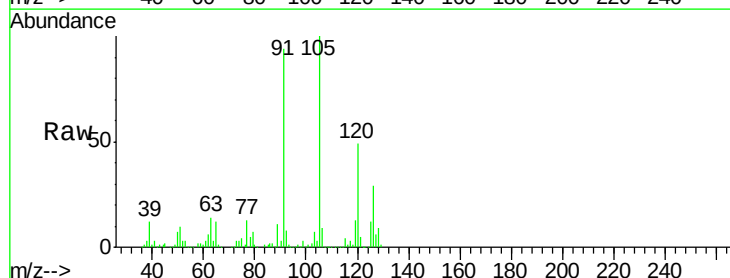
Manual Integrations
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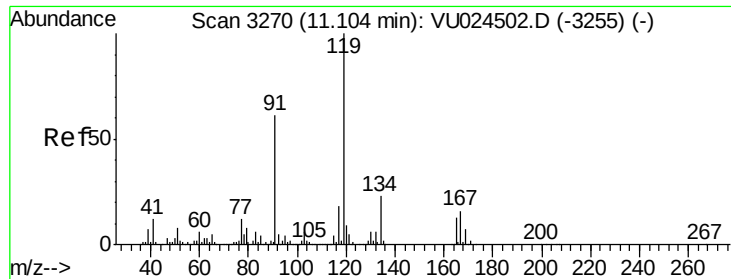
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.80 ug/l
RT: 10.78 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.9	44.9





#83

tert-Butylbenzene

Concen: 51.41 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

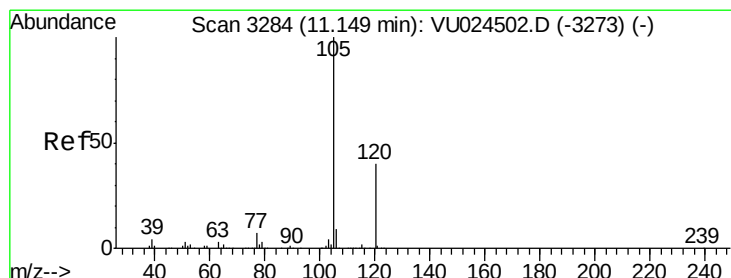
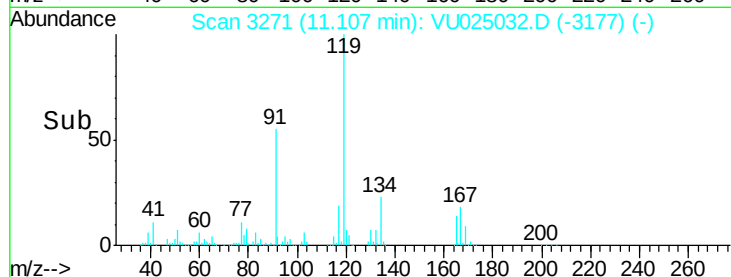
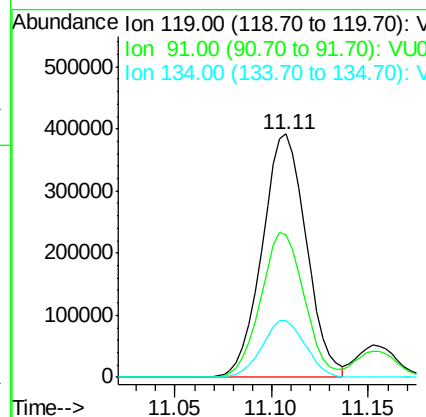
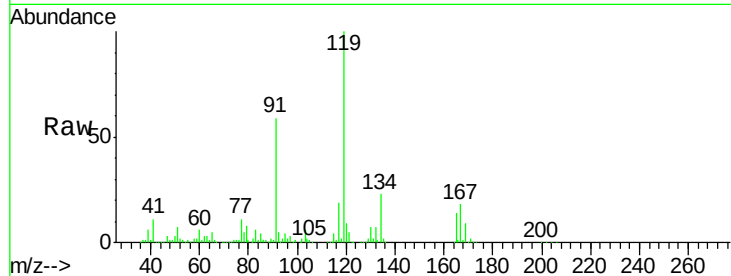
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	119	Resp:	620745
Ion Ratio	Lower	Upper	
119	100		
91	58.6	29.7	89.1
134	23.1	11.6	34.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.13 ug/l

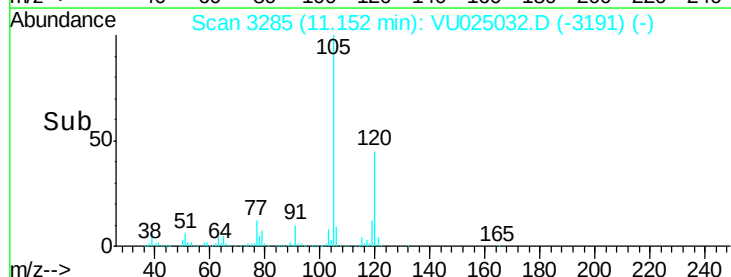
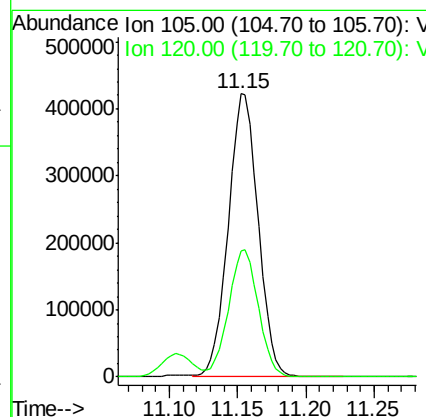
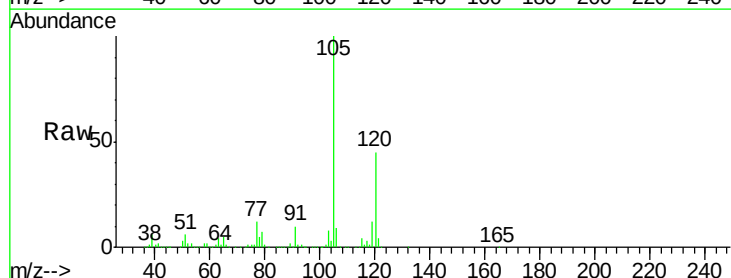
RT: 11.15 min Scan# 3285

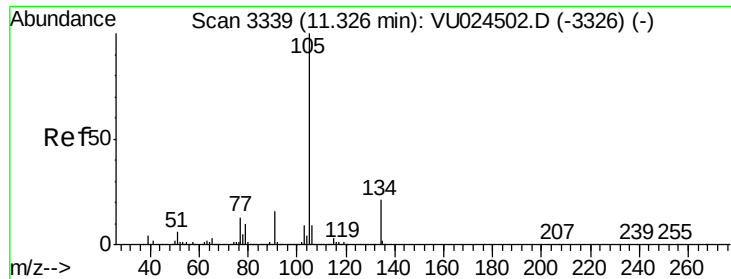
Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	105	Resp:	641226
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.6	67.8





#85

sec-Butylbenzene

Concen: 49.29 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:105 Resp: 745005

Ion Ratio Lower Upper

105 100

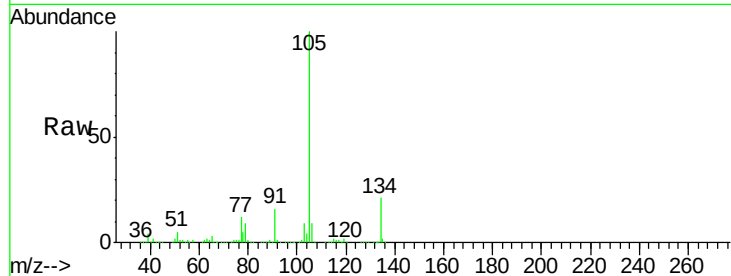
134 20.5 9.7 29.1

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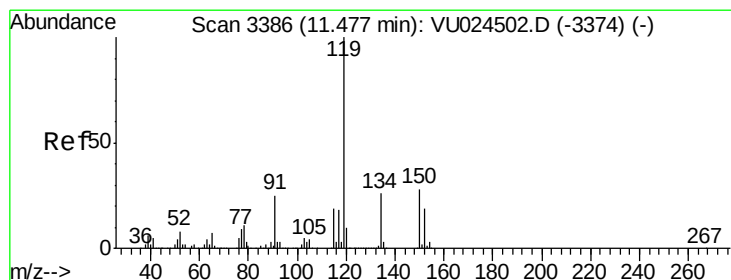
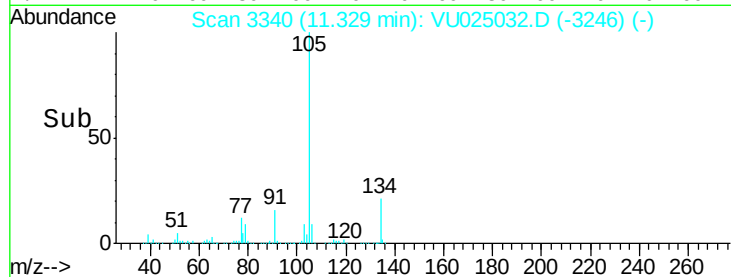
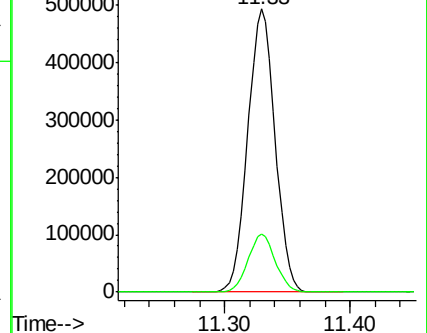
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.56 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

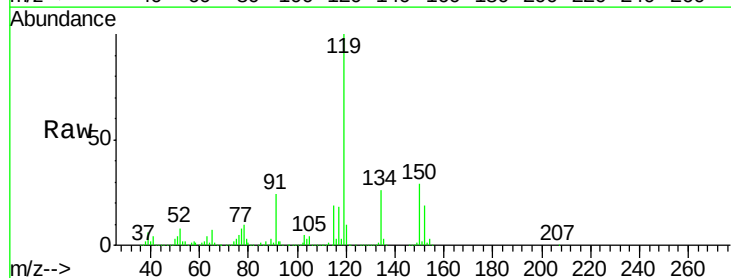
Tgt Ion:119 Resp: 657272

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

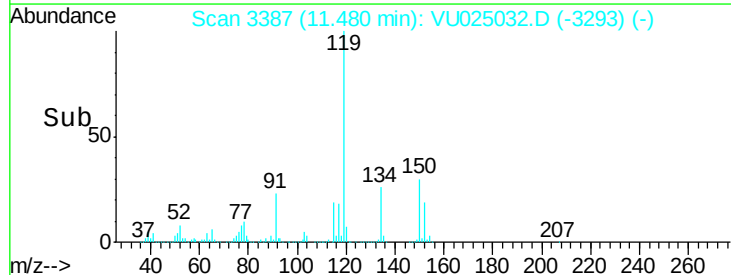
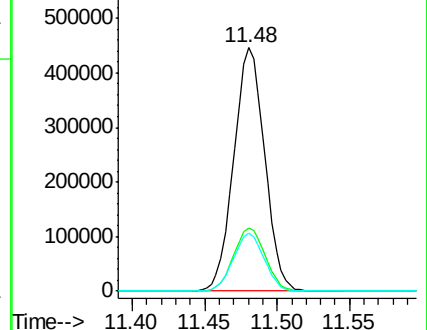
91 23.8 12.0 36.1

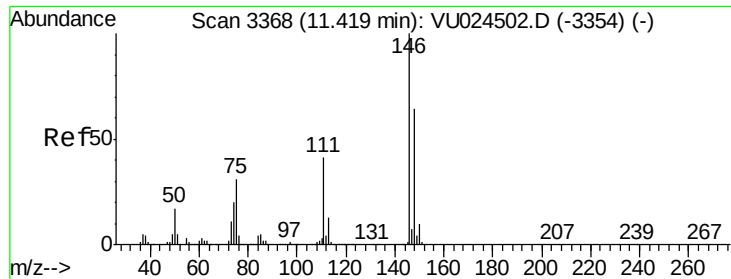


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





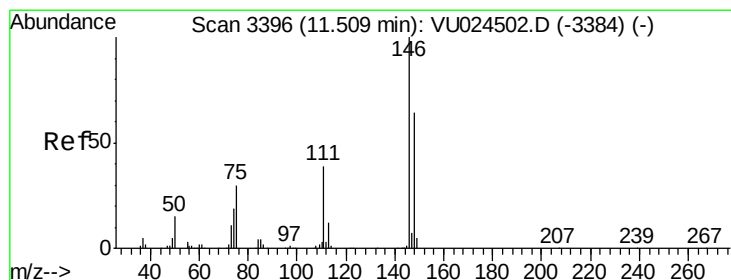
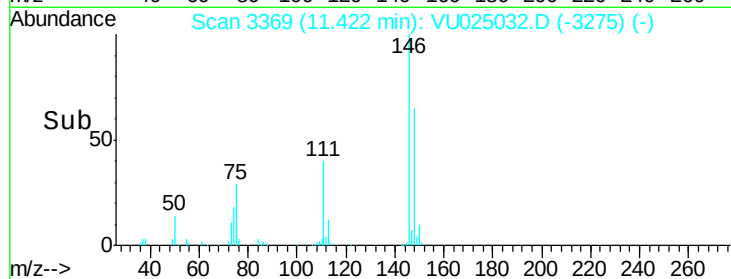
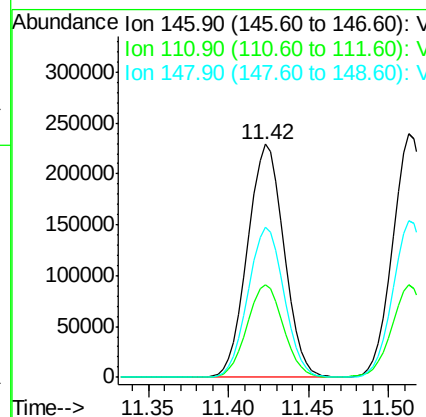
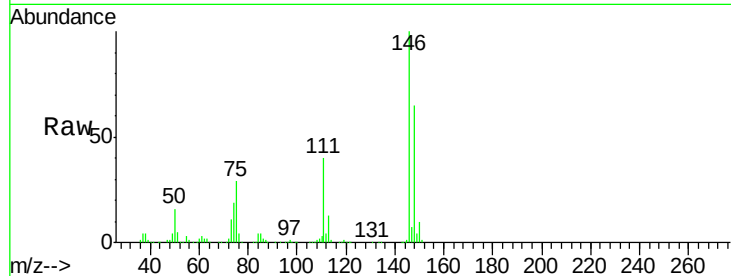
#87
 1,3-Dichlorobenzene
 Concen: 52.55 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.9	32.1	96.5

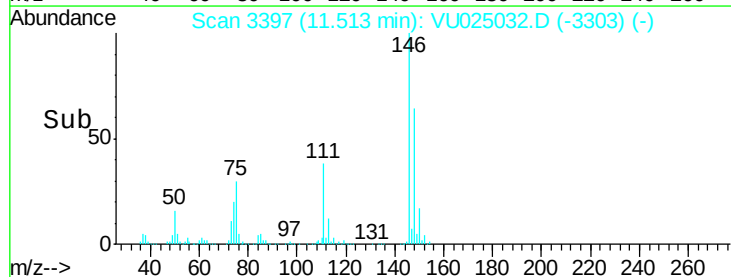
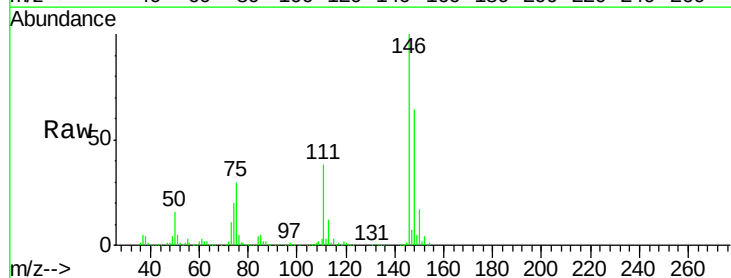
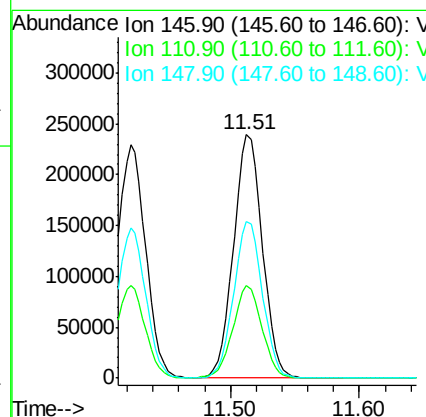
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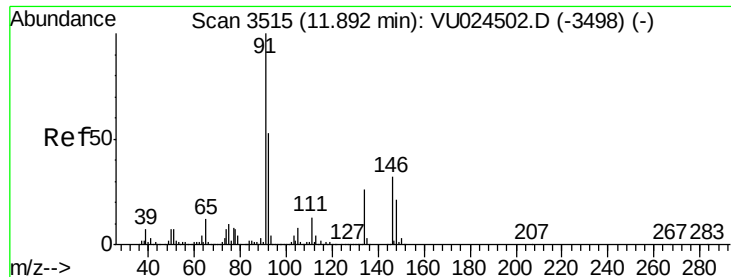
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 6/29/2018 4:23:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 54.37 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	64.4	32.4	97.0





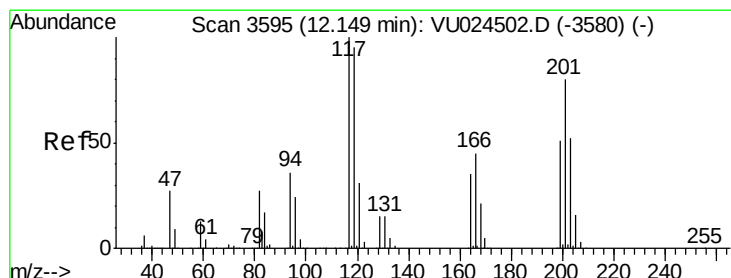
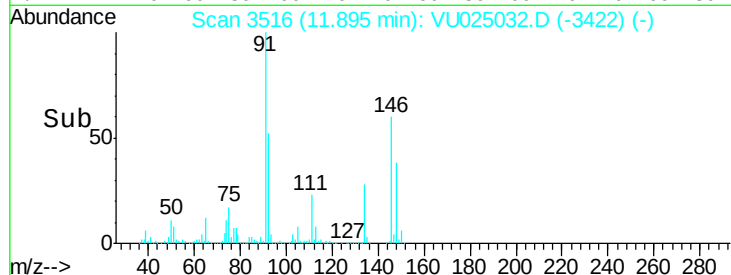
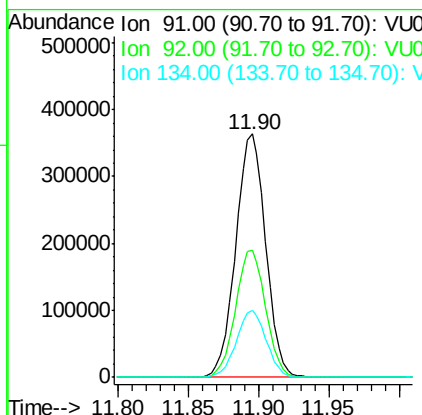
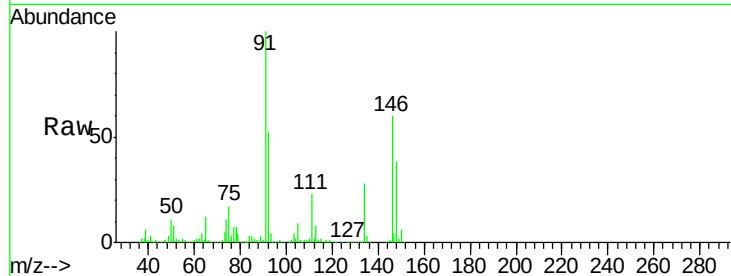
#89
n-Butylbenzene
Concen: 44.90 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	27.6	12.3	36.8

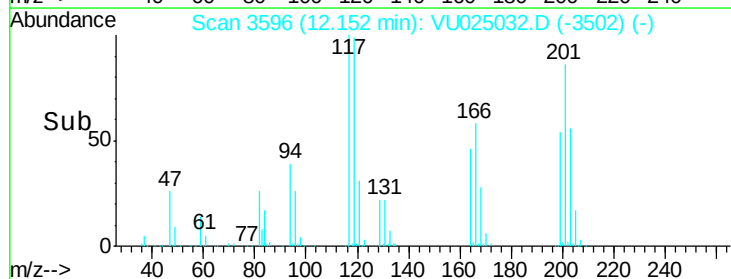
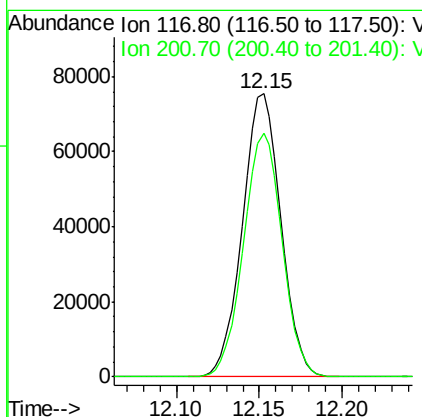
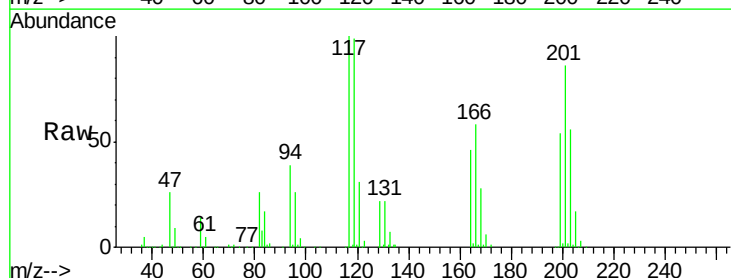
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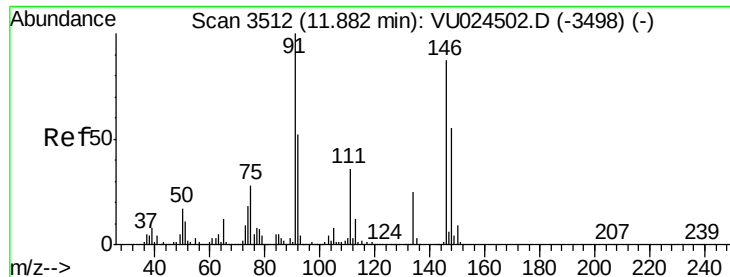
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#90
Hexachloroethane
Concen: 46.22 ug/l
RT: 12.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU025032.D
Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 80.24 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

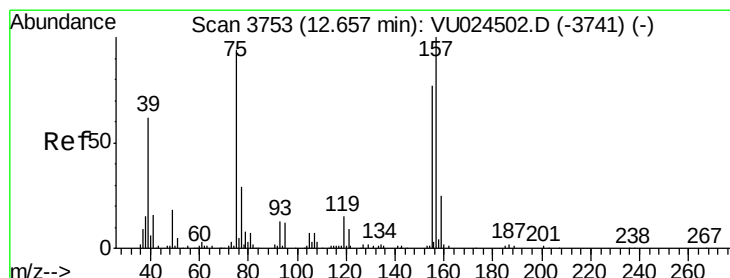
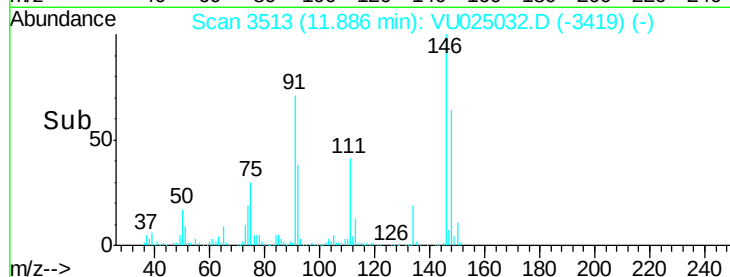
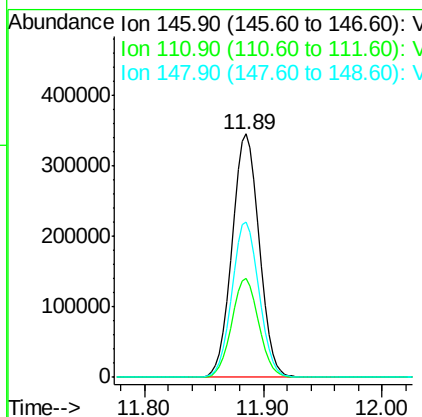
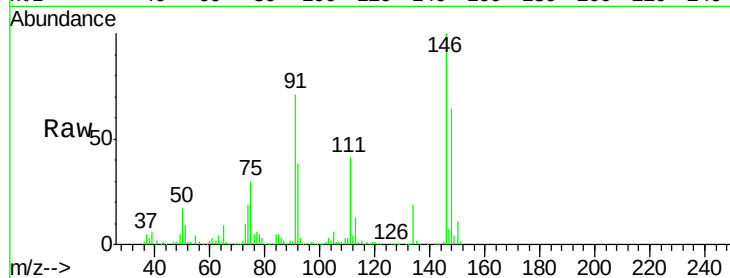
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	146	Resp:	544375
Ion Ratio		Lower	Upper
146	100		
111	40.6	20.5	61.6
148	63.9	31.9	95.7

Manual Integrations
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6/29/2018 4:23:45 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.64 ug/l

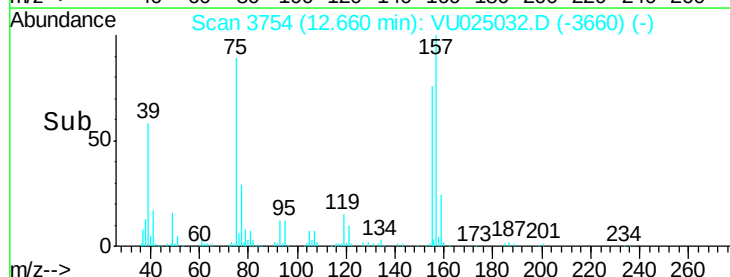
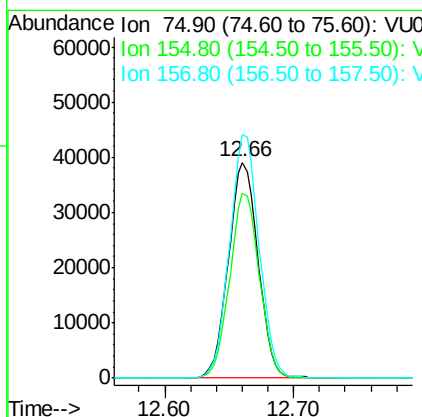
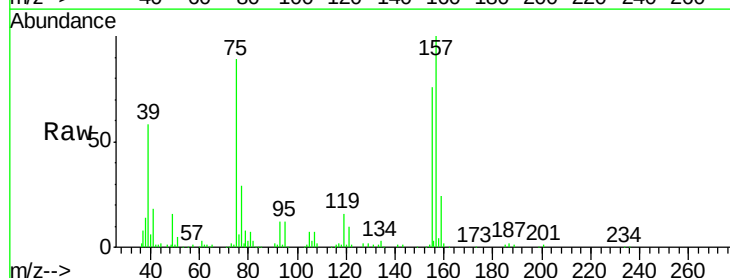
RT: 12.66 min Scan# 3754

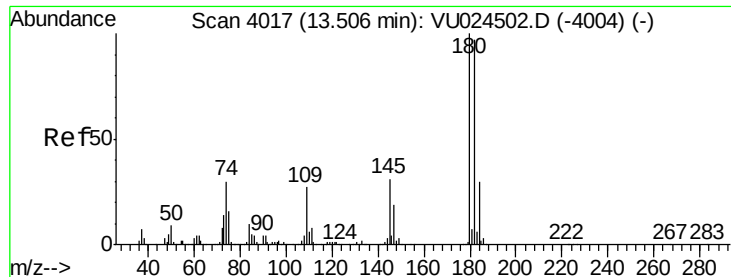
Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	75	Resp:	62449
Ion Ratio		Lower	Upper
75	100		
155	85.4	40.4	121.2
157	111.9	52.3	156.8





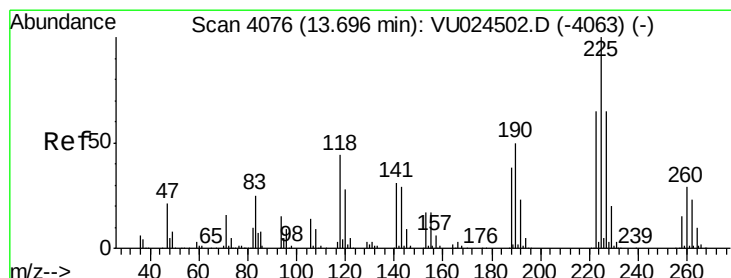
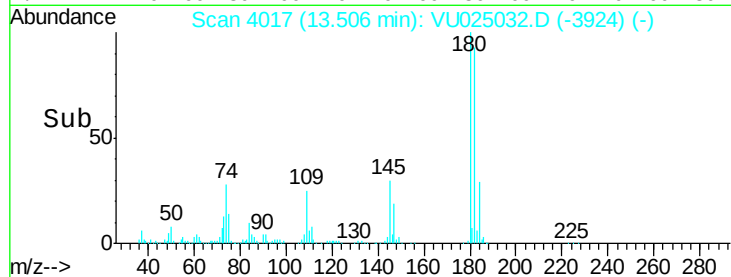
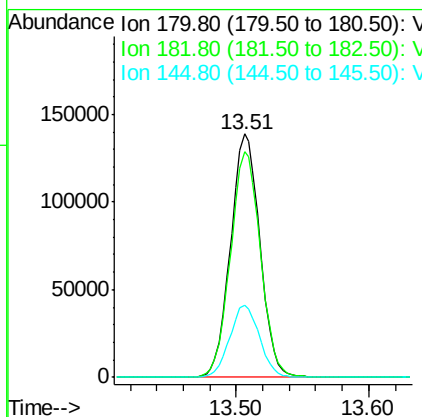
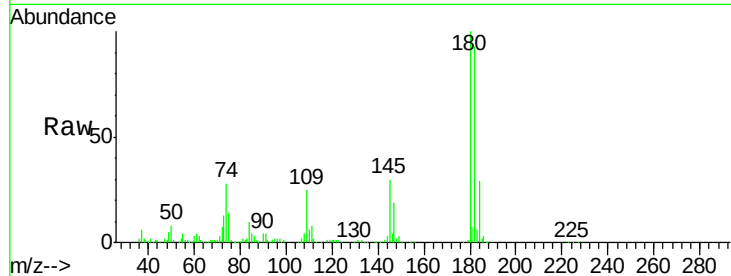
#93
 1,2,4-Trichlorobenzene
 Concen: 51.05 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213887		
182	94.6	48.0	144.2	
145	30.2	14.7	44.1	

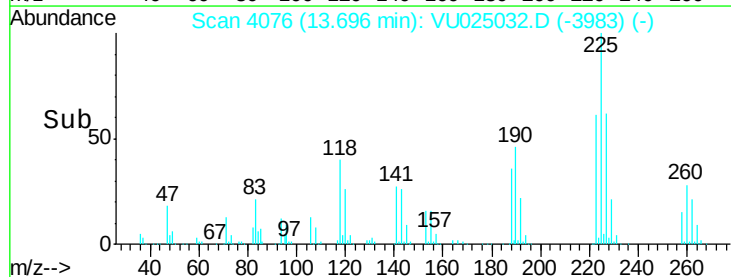
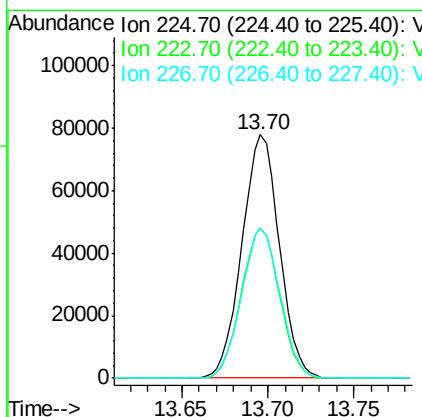
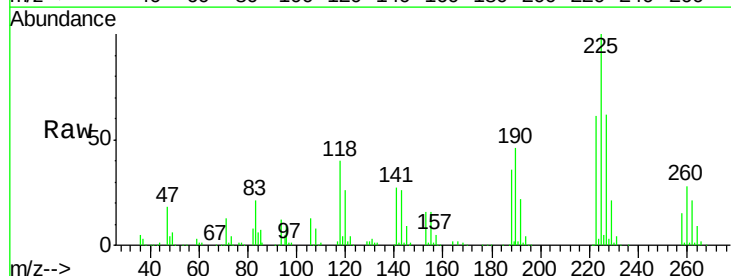
Manual Integrations
 APPROVED

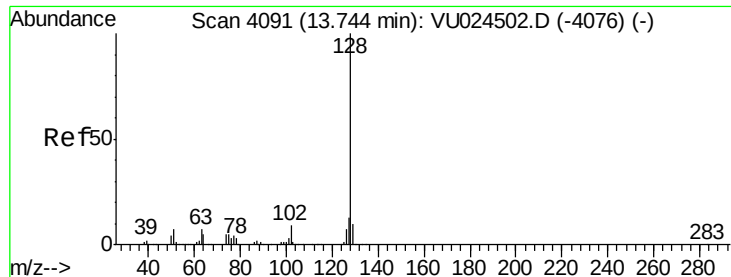
MMDadoda
 6/29/2018 4:23:45 PM



#94
 Hexachlorobutadiene
 Concen: 49.72 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025032.D
 Acq: 28 Jun 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117248		
223	62.8	31.3	93.8	
227	63.2	31.8	95.4	





#95

Naphthalene

Concen: 50.30 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Instrument :

MSVOA_U

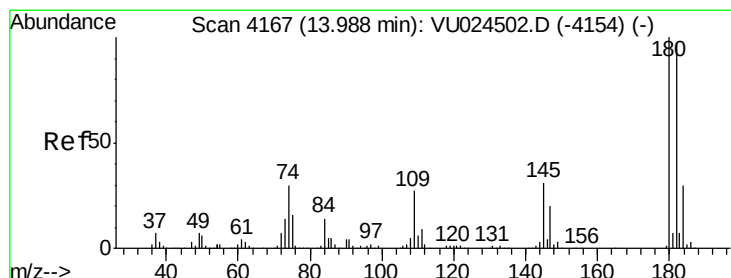
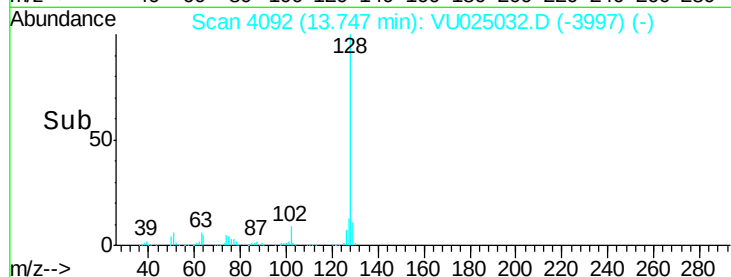
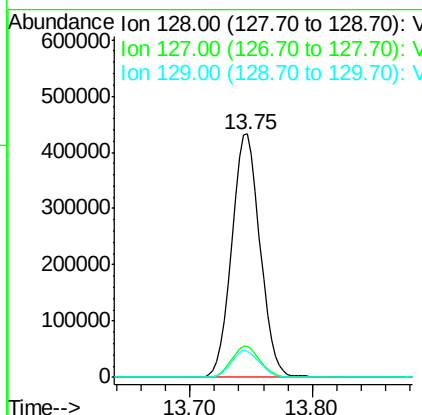
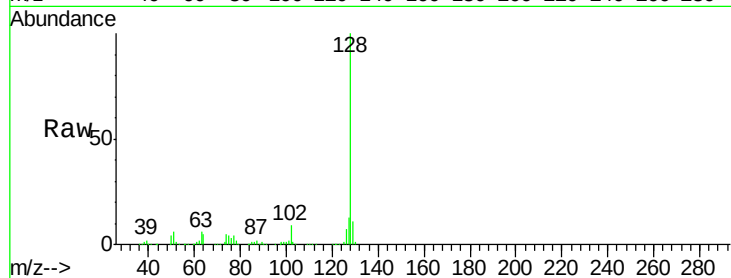
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	128	Resp:	697649
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.82 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025032.D

Acq: 28 Jun 2018 19:56

Tgt Ion:	180	Resp:	220521
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	32.9	15.4	46.1

