

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025768.D
 Acq On : 01 Aug 2018 11:44
 Operator : MD/SY
 Sample : VU0801WBSD03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:37 AM

Quant Time: Aug 02 04:04:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	160105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	245794	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	130385	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	4.89	113	103899	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	7.57	98	361204	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	10.31	95	138665	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	44361	18.332	ug/l	97
3) Chloromethane	1.33	50	41787	18.067	ug/l	99
4) Vinyl Chloride	1.40	62	37424	17.194	ug/l	100
5) Bromomethane	1.63	94	20523	19.305	ug/l	100
6) Chloroethane	1.70	64	23190	18.221	ug/l	100
7) Trichlorofluoromethane	1.89	101	54724	17.389	ug/l	98
8) Diethyl Ether	2.10	74	21435	18.825	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	33137	18.195	ug/l	99
10) Methyl Iodide	2.41	142	25520	21.036	ug/l	100
11) Tert butyl alcohol	2.83	59	53583	98.108	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30918	17.985	ug/l	91
13) Acrolein	2.19	56	23190	116.154	ug/l	96
14) Allyl chloride	2.59	41	53389	17.282	ug/l	96
15) Acrylonitrile	2.94	53	107944	98.989	ug/l	100
16) Acetone	2.32	43	110384	90.760	ug/l	98
17) Carbon Disulfide	2.48	76	92770	16.675	ug/l	99
18) Methyl Acetate	2.62	43	68264	23.320	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	121761	19.546	ug/l	97
20) Methylene Chloride	2.70	84	39083	18.132	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	35146	17.686	ug/l	97
22) Diisopropyl ether	3.58	45	117766	19.345	ug/l	94
23) Vinyl Acetate	3.53	43	506339	95.440	ug/l	99
24) 1,1-Dichloroethane	3.45	63	67458	18.460	ug/l	98
25) 2-Butanone	4.27	43	158890	95.970	ug/l	100
26) 2,2-Dichloropropane	4.23	77	59872	18.025	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	40186	17.936	ug/l	97
28) Bromochloromethane	4.55	49	32881	20.124	ug/l	99
29) Tetrahydrofuran	4.64	42	97879	98.678	ug/l	99
30) Chloroform	4.68	83	71677	18.582	ug/l	98
31) Cyclohexane	5.00	56	56076	16.740	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	63508	18.287	ug/l	98
36) 1,1-Dichloropropene	5.14	75	50320	17.518	ug/l	99
37) Ethyl Acetate	4.38	43	57144	19.186	ug/l	98
38) Carbon Tetrachloride	5.14	117	56076	17.235	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	55169	16.762	ug/l	99
40) Benzene	5.39	78	147945	17.620	ug/l	98
41) Methacrylonitrile	4.54	41	31107	18.803	ug/l	98
42) 1,2-Dichloroethane	5.41	62	59858	18.514	ug/l	99
43) Isopropyl Acetate	5.55	43	92609	18.816	ug/l	100
44) Trichloroethene	6.19	130	40105	17.151	ug/l	99
45) 1,2-Dichloropropane	6.44	63	39936	18.237	ug/l	99
46) Dibromomethane	6.56	93	29298	18.465	ug/l	99
47) Bromodichloromethane	6.76	83	55132	18.215	ug/l	98
48) Methyl methacrylate	6.63	41	46218	19.159	ug/l	97
49) 1,4-Dioxane	6.62	88	22914	390.341	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	296834	96.330	ug/l	100
52) Toluene	7.64	92	92552	17.743	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	61645	18.139	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	66299	18.992	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	40057	18.478	ug/l	98
56) Ethyl methacrylate	8.02	69	57873	18.685	ug/l	98
57) 1,3-Dichloropropane	8.25	76	69072	18.947	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	137629	102.424	ug/l	100
59) 2-Hexanone	8.36	43	228510	94.603	ug/l	100
60) Dibromochloromethane	8.48	129	45547	17.817	ug/l	99
61) 1,2-Dibromoethane	8.59	107	45817	19.004	ug/l	97
64) Tetrachloroethene	8.23	164	35382	16.985	ug/l	98
65) Chlorobenzene	9.12	112	108167	17.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	40921	18.538	ug/l	99
67) Ethyl Benzene	9.25	91	178174	17.628	ug/l	100
68) m/p-Xylenes	9.38	106	140252	36.143	ug/l	97
69) o-Xylene	9.78	106	67780	17.872	ug/l	99
70) Styrene	9.80	104	107204	17.500	ug/l	100
71) Bromoform	9.96	173	35968	18.792	ug/l #	98
73) Isopropylbenzene	10.17	105	180625	18.190	ug/l	99
74) N-amyl acetate	10.01	43	78554	19.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	65237	18.998	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	62626m	19.537	ug/l	
77) Bromobenzene	10.45	156	49237	17.977	ug/l	98
78) n-propylbenzene	10.59	91	208444	17.985	ug/l	99
79) 2-Chlorotoluene	10.66	91	124103	18.281	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	154145	18.278	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	18225m	14.256	ug/l	
82) 4-Chlorotoluene	10.78	91	145360	18.165	ug/l	99
83) tert-Butylbenzene	11.10	119	154285	18.413	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	156186	18.276	ug/l	97
85) sec-Butylbenzene	11.33	105	184410	18.026	ug/l	99
86) p-Isopropyltoluene	11.48	119	162857	17.779	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	89525	17.609	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	90082	16.998	ug/l	98
89) n-Butylbenzene	11.89	91	142550	16.864	ug/l	99
90) Hexachloroethane	12.15	117	27996	17.190	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	90115	18.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15842	19.460	ug/l	95

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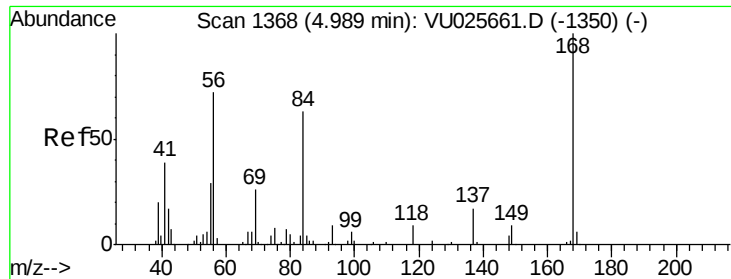
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	59974	17.832	ug/l	98
94) Hexachlorobutadiene	13.70	225	28699	16.188	ug/l	98
95) Naphthalene	13.75	128	187635	18.185	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62155	18.526	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion:168 Resp: 160105

Ion Ratio Lower Upper

168 100

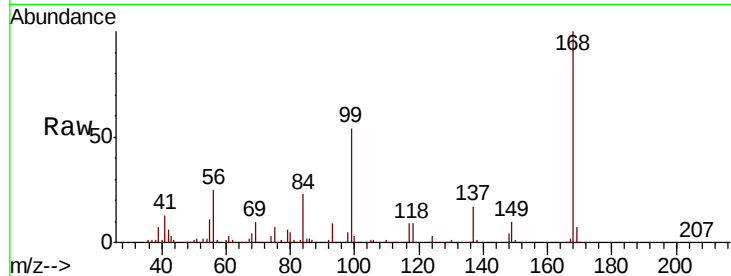
99 54.1 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

80000

60000

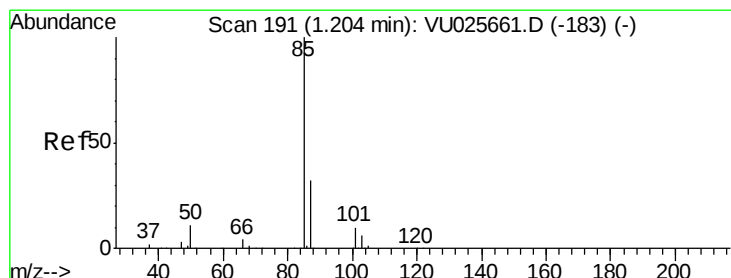
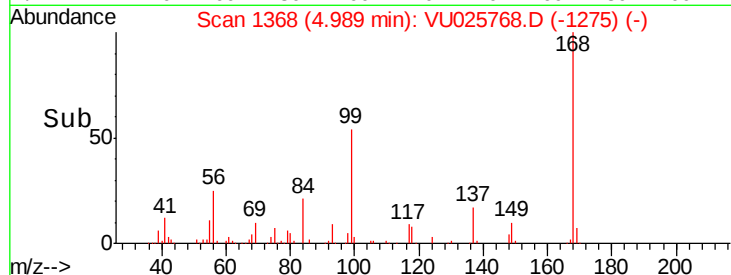
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.332 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025768.D

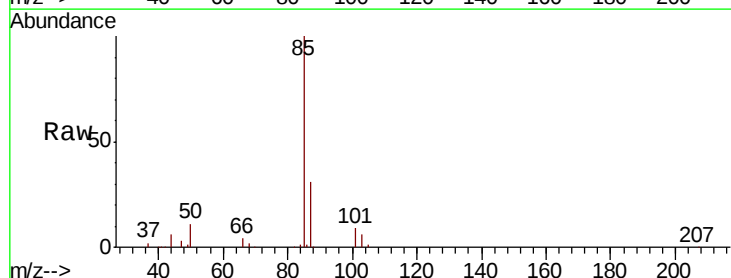
Acq: 01 Aug 2018 11:44

Tgt Ion: 85 Resp: 44361

Ion Ratio Lower Upper

85 100

87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

1.21

50000

40000

30000

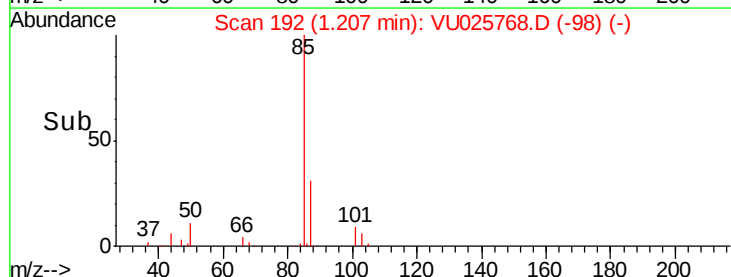
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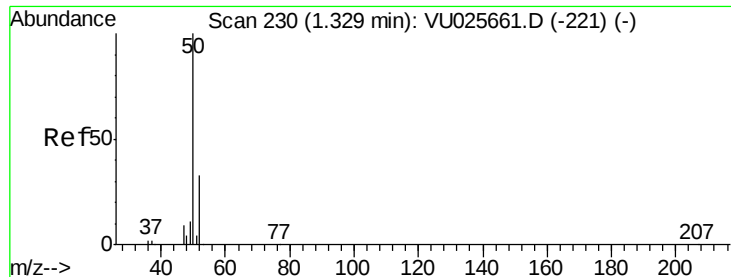
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.067 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 50 Resp: 41787

Ion Ratio Lower Upper

50 100

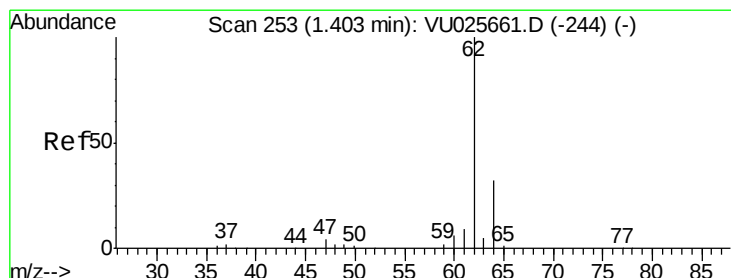
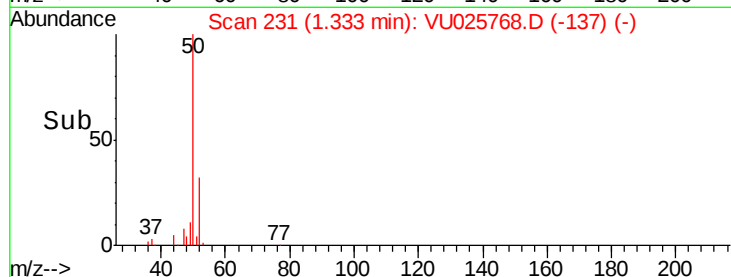
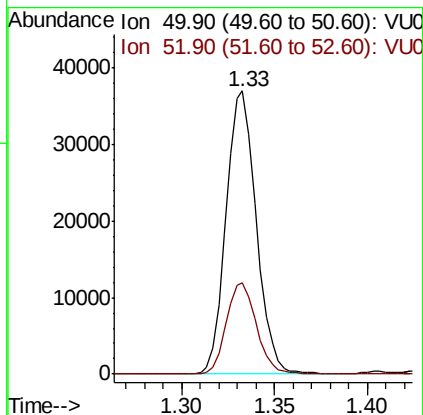
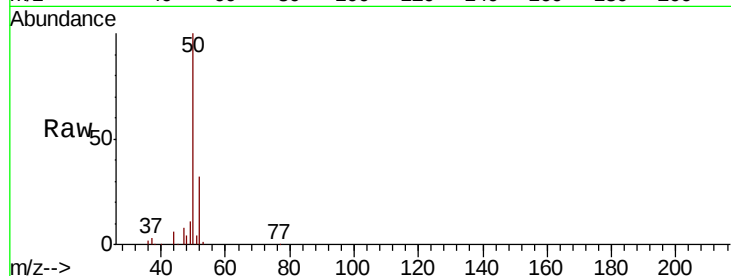
52 32.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.194 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025768.D

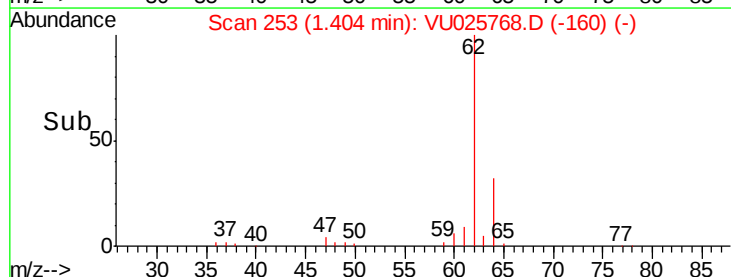
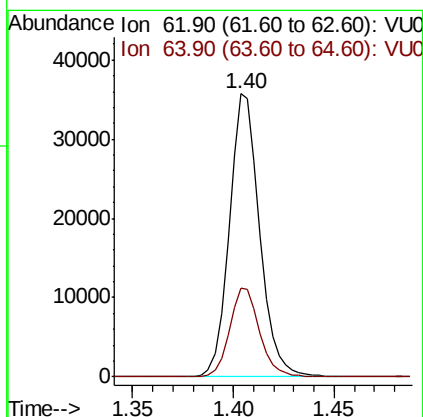
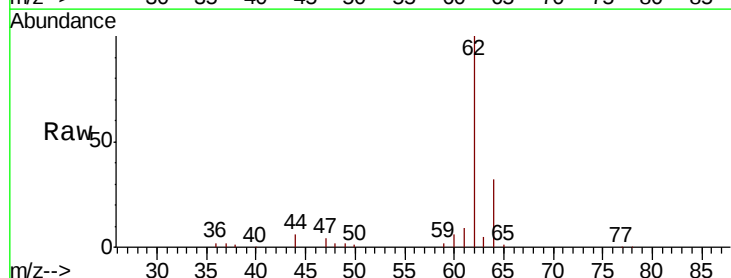
Acq: 01 Aug 2018 11:44

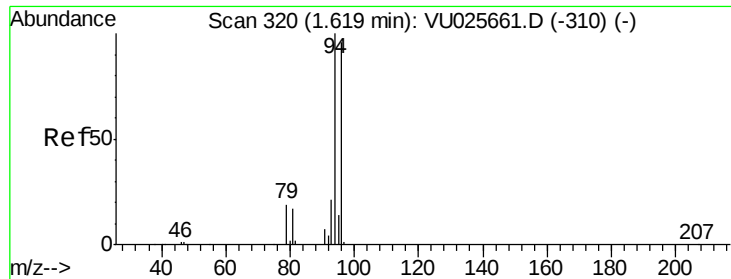
Tgt Ion: 62 Resp: 37424

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 19.305 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 94 Resp: 20523

Ion Ratio Lower Upper

94 100

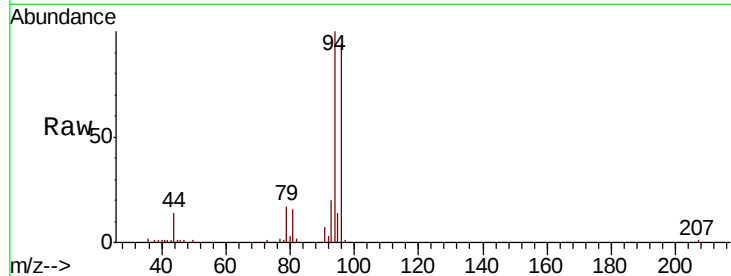
96 94.0 75.0 112.4

Manual Integrations

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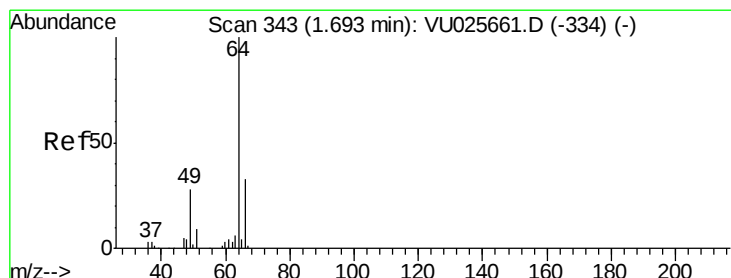
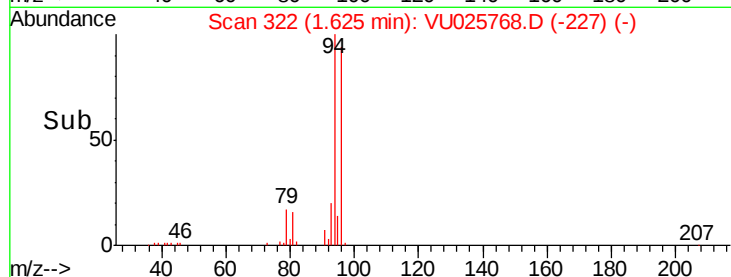
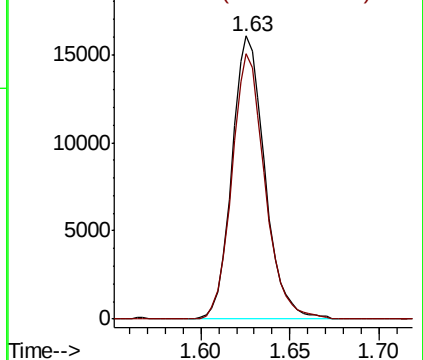
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.221 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025768.D

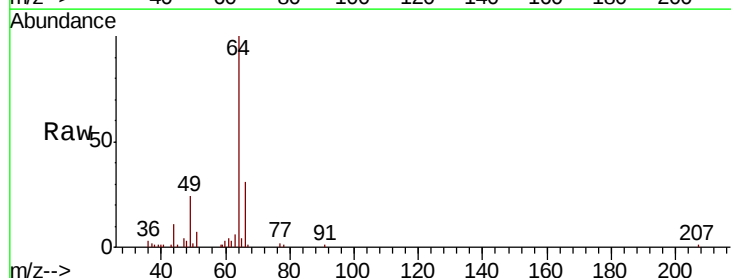
Acq: 01 Aug 2018 11:44

Tgt Ion: 64 Resp: 23190

Ion Ratio Lower Upper

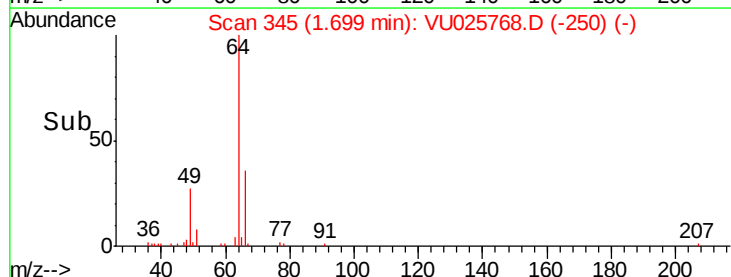
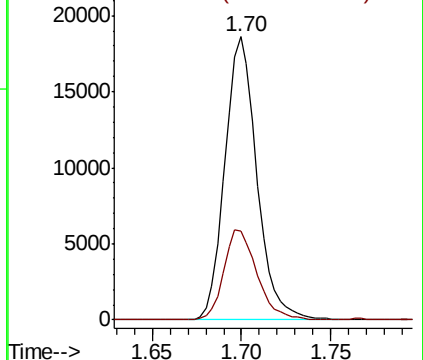
64 100

66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

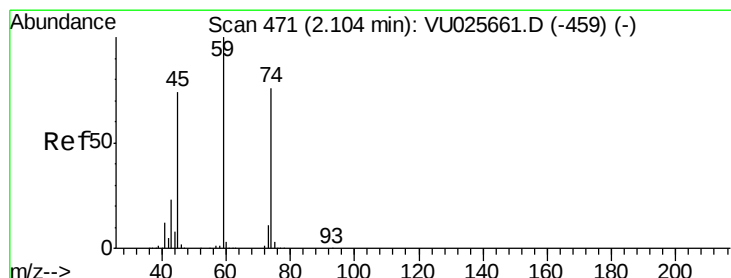
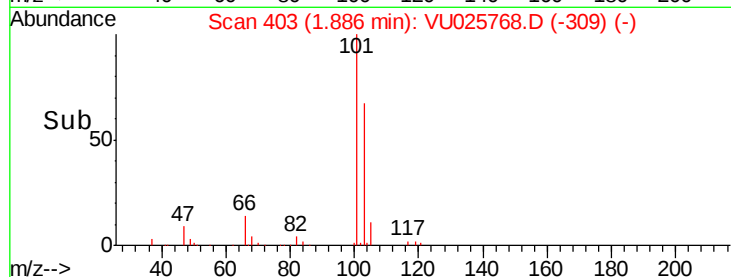
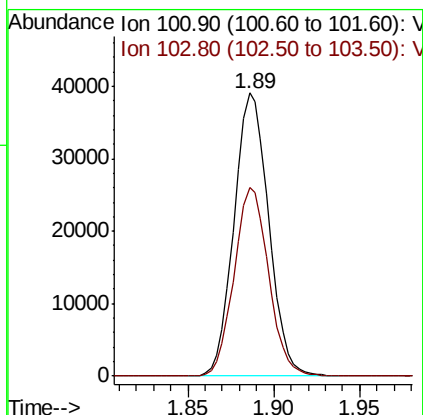
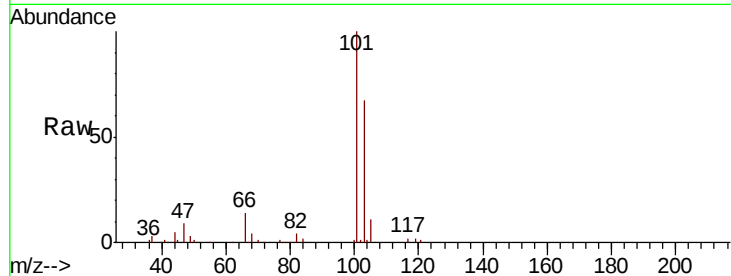
Trichlorofluoromethane
 Concen: 17.389 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
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 ClientSampleId :
 VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.2	78.2

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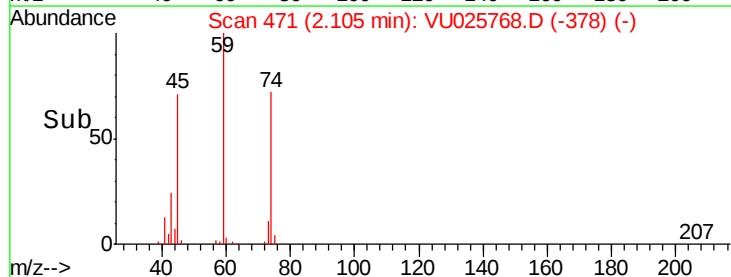
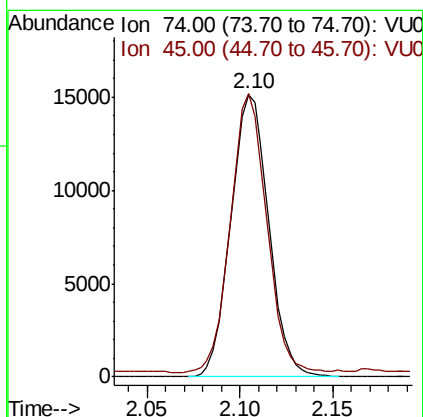
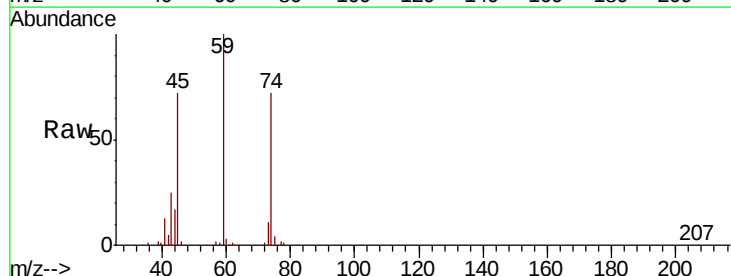
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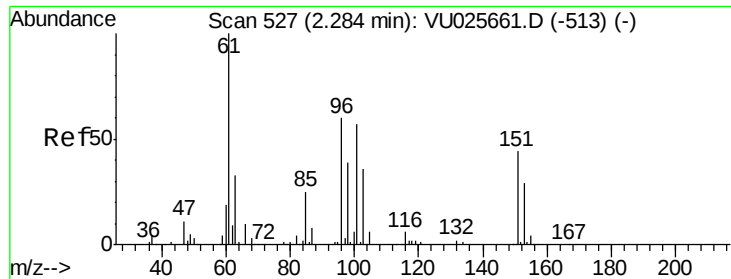


#8

Diethyl Ether
 Concen: 18.825 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.195 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

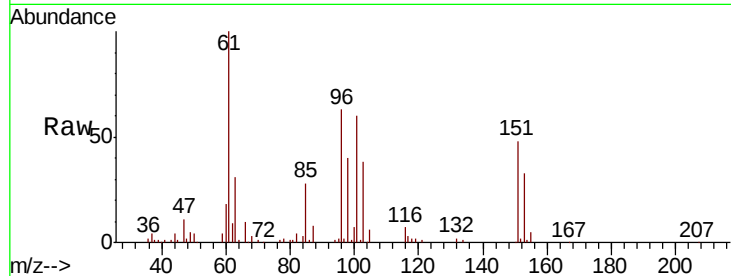
ClientSampleId :

VU0801WBSD03

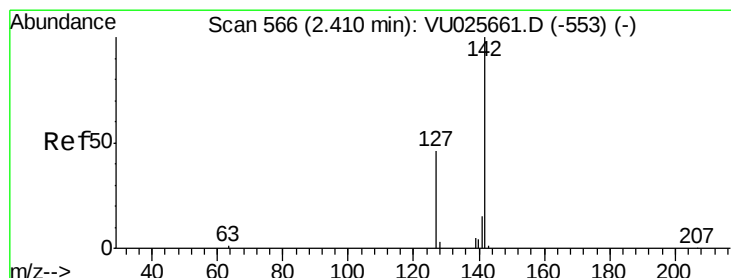
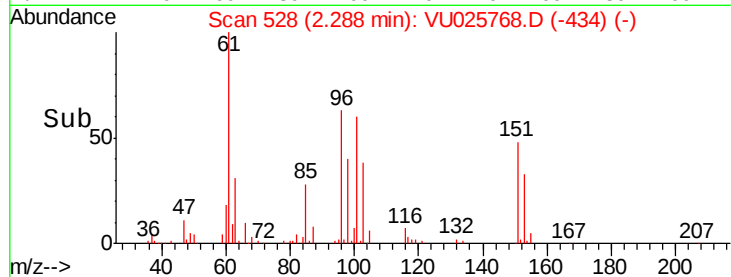
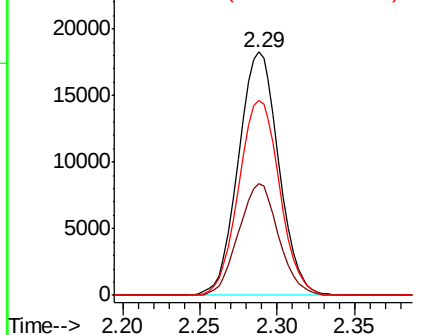
Tot Ion:	101	Resp:	33137
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	81.2	65.6	98.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.036 ug/l

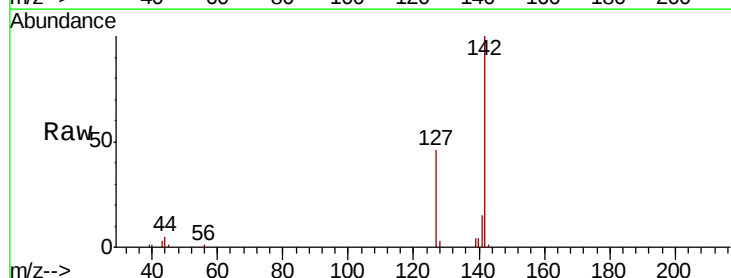
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

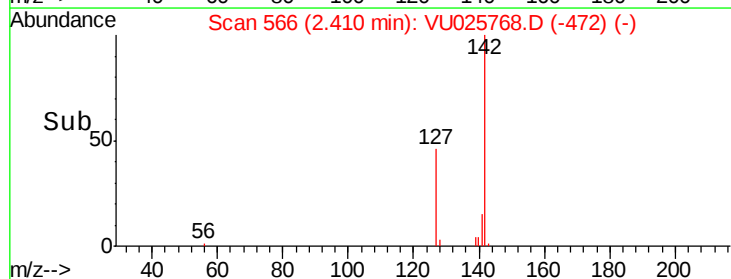
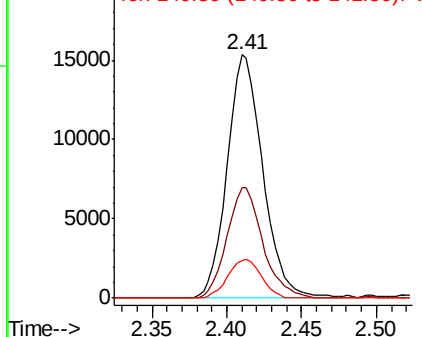
Lab File: VU025768.D

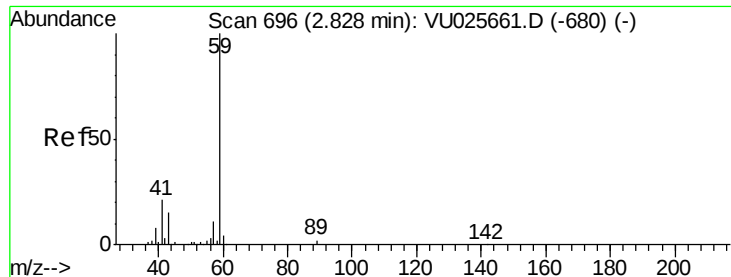
Acq: 01 Aug 2018 11:44

Tgt Ion:	142	Resp:	25520
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.5	54.7
141	14.9	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

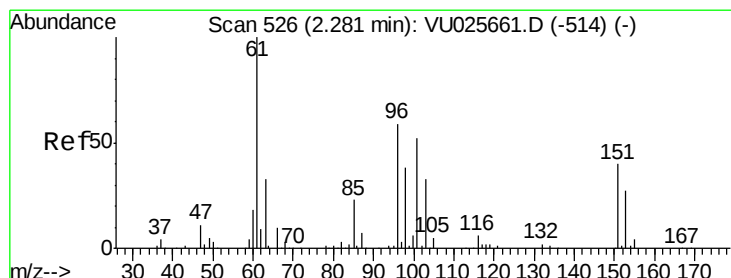
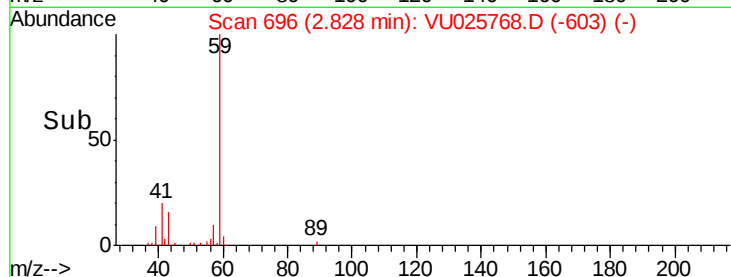
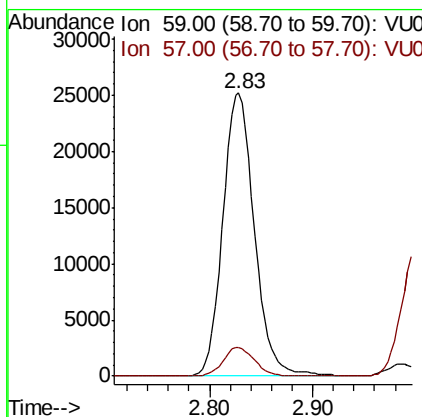
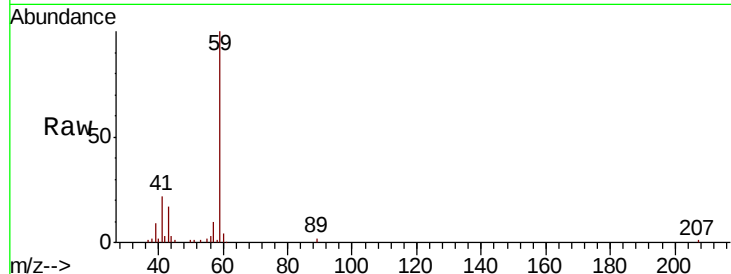
Tert butyl alcohol
Concen: 98.108 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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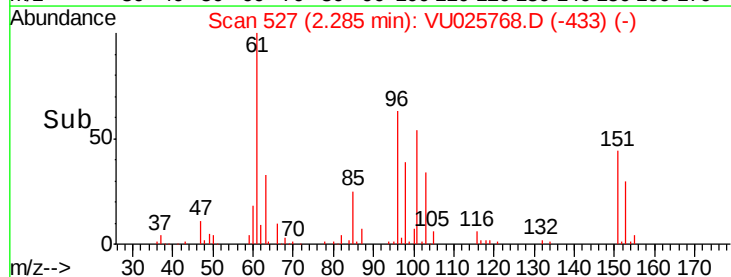
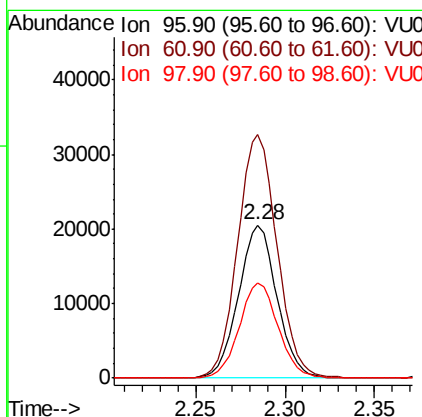
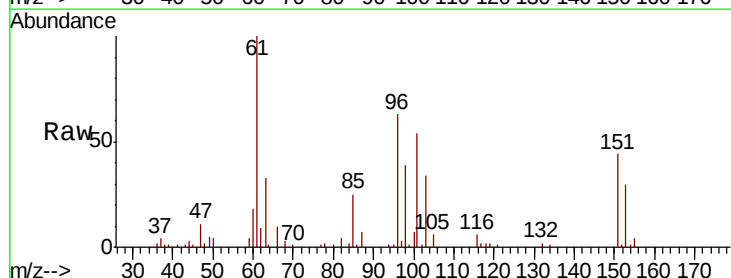
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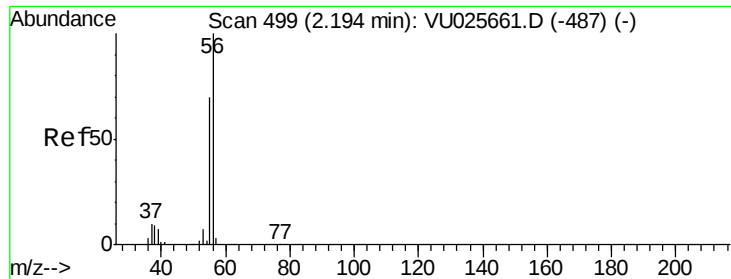


#12

1,1-Dichloroethene
Concen: 17.985 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	140.2	210.4
98	62.4	49.3	73.9





#13

Acrolein

Concen: 116.154 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tot Ion: 56 Resp: 23190

Ion Ratio Lower Upper

56 100

55 75.2 57.2 85.8

Instrument :

MSVOA_U

ClientSampleId :

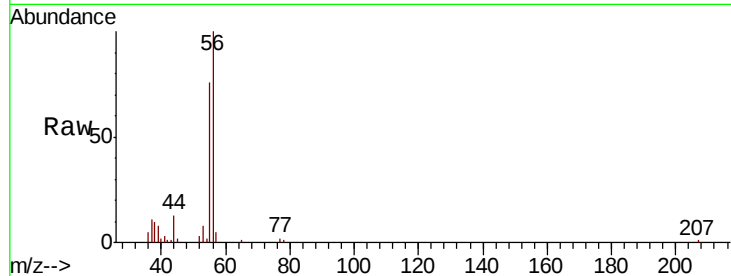
VU0801WBSD03

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Abundance Ion 56.00 (55.70 to 56.70): VU025768.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025768.D (-487) (-)

2.19

15000

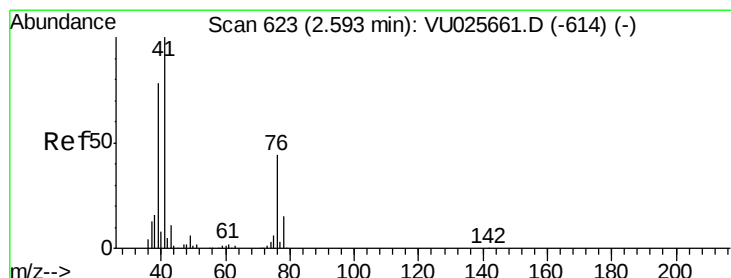
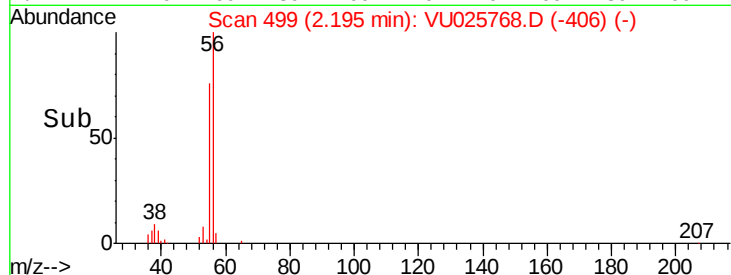
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 17.282 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

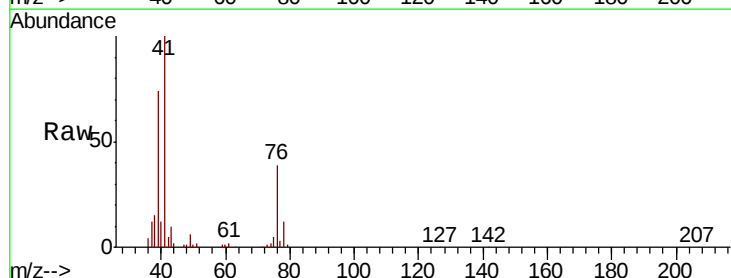
Tgt Ion: 41 Resp: 53389

Ion Ratio Lower Upper

41 100

39 71.1 60.6 91.0

76 37.3 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU025768.D (-530) (-)

Ion 39.00 (38.70 to 39.70): VU025768.D (-530) (-)

Ion 75.90 (75.60 to 76.60): VU025768.D (-530) (-)

2.59

40000

30000

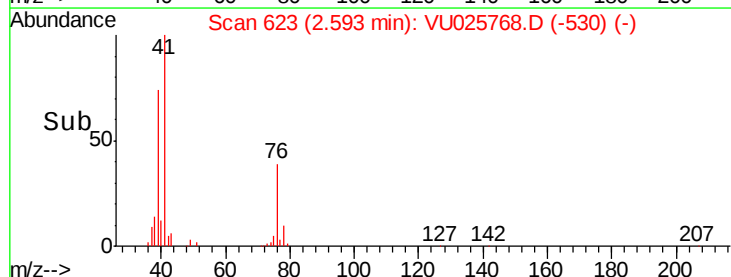
20000

10000

0

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 98.989 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

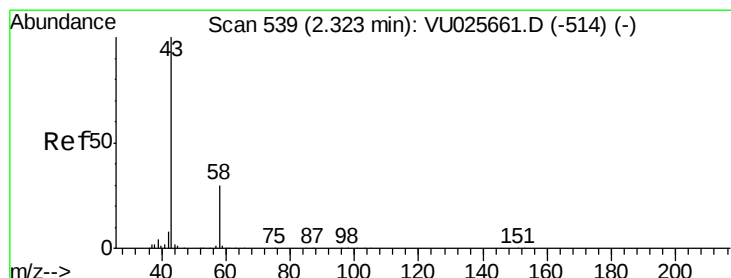
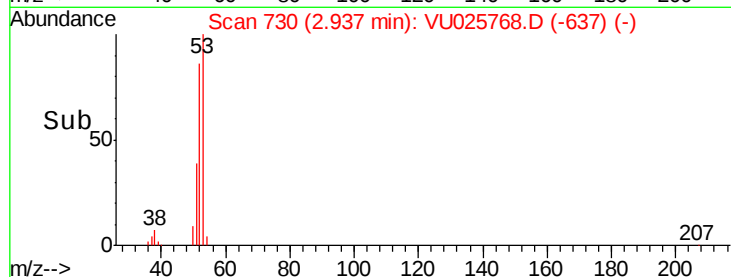
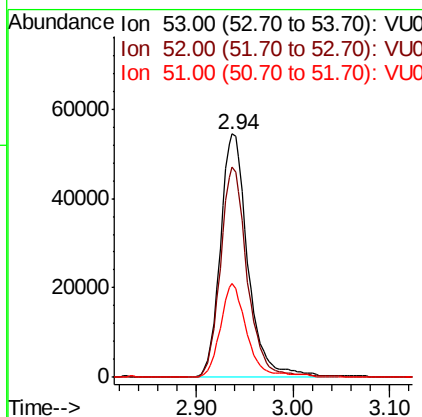
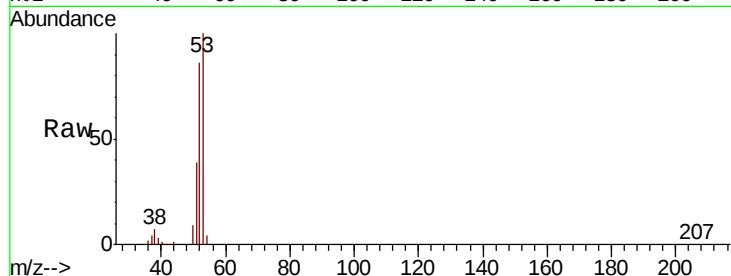
ClientSampleId :

VU0801WBSD03

Tot Ion:	53	Resp:	107944
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	99.8
51	36.4	29.4	44.2

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#16

Acetone

Concen: 90.760 ug/l

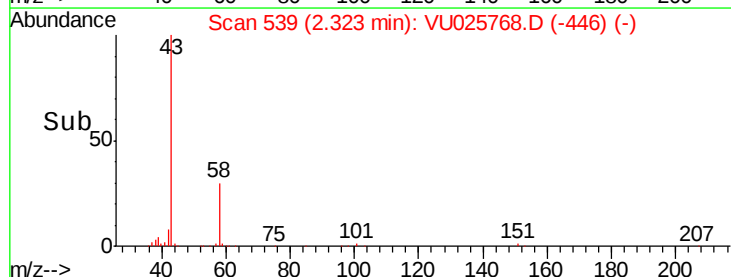
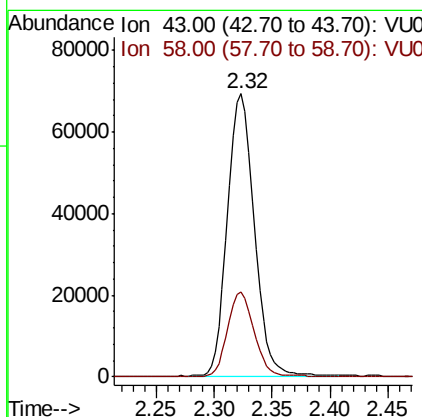
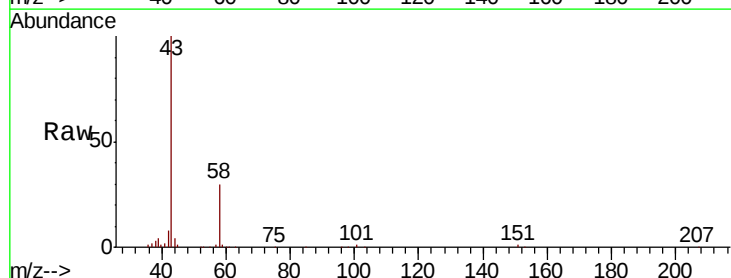
RT: 2.32 min Scan# 539

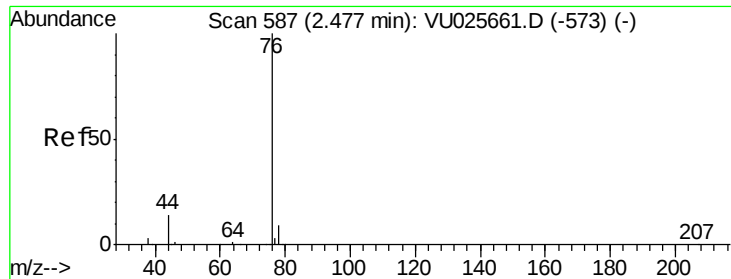
Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion:	43	Resp:	110384
Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





#17

Carbon Disulfide

Concen: 16.675 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 76 Resp: 92770

Ion Ratio Lower Upper

76 100

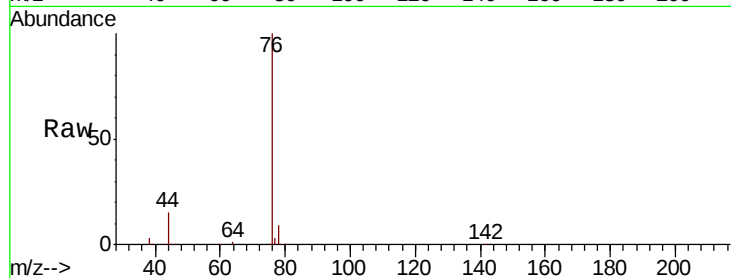
78 9.0 7.4 11.2

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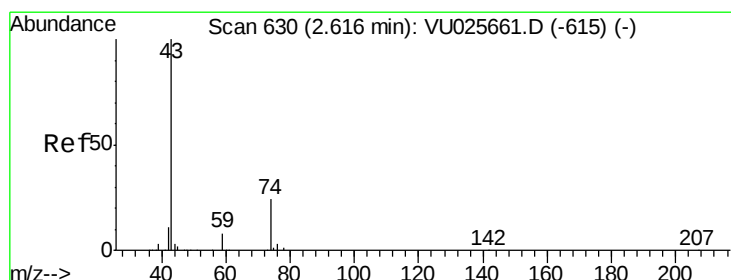
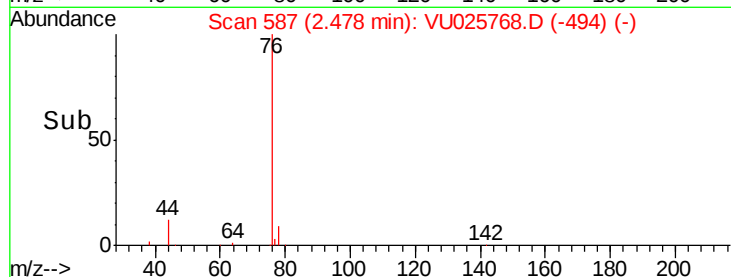
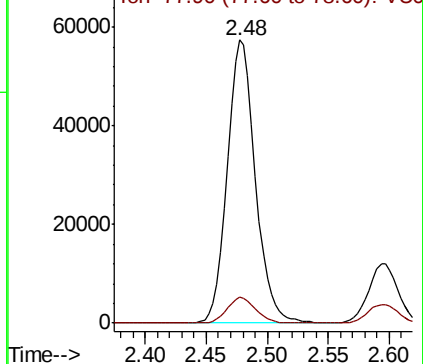
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Abundance Ion 75.90 (75.60 to 76.60): VU025768.D (-494) (-)



#18

Methyl Acetate

Concen: 23.320 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025768.D

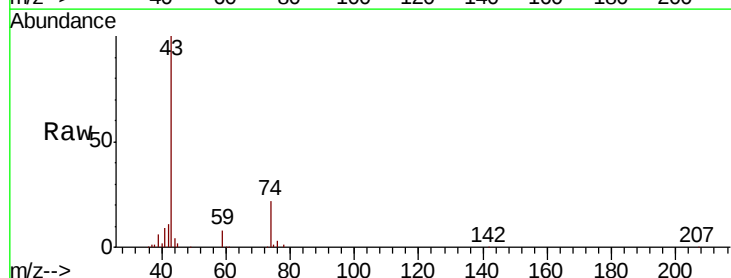
Acq: 01 Aug 2018 11:44

Tgt Ion: 43 Resp: 68264

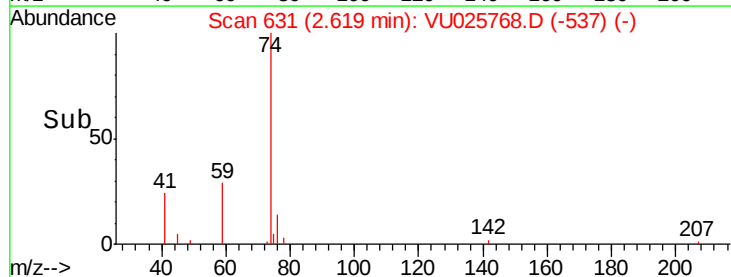
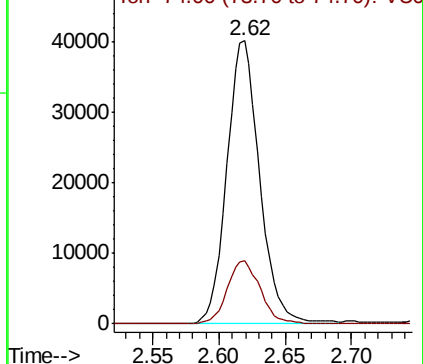
Ion Ratio Lower Upper

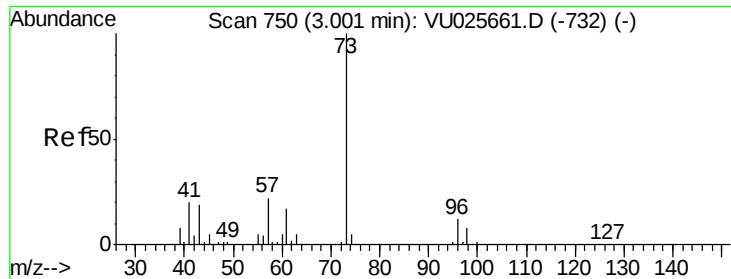
43 100

74 22.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025768.D (-537) (-)





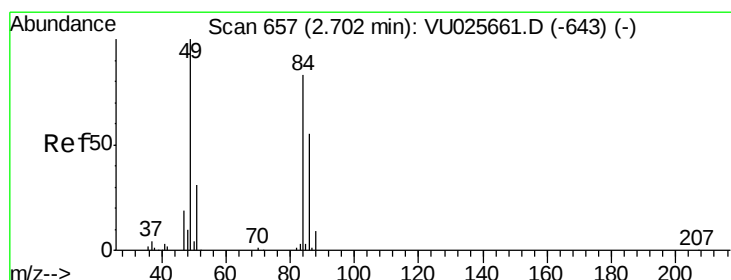
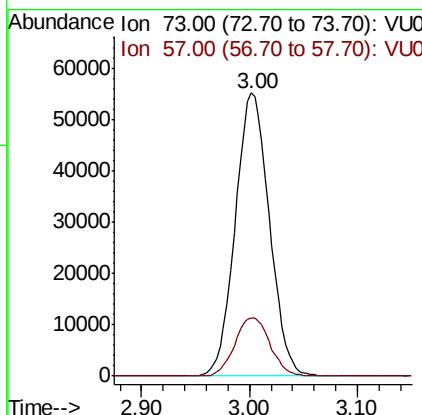
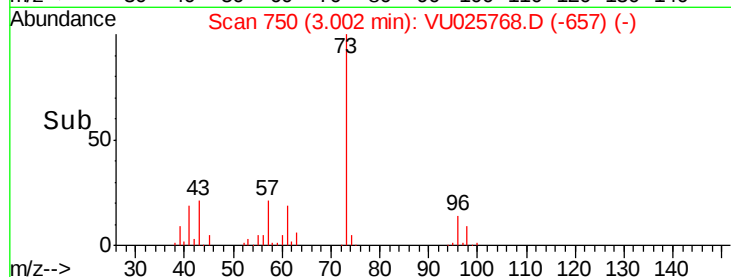
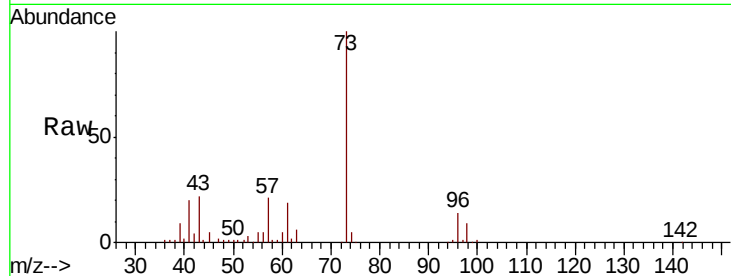
#19
Methyl tert-butyl Ether
Concen: 19.546 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	73	Resp	121761
Ion Ratio	100	Lower	Upper
73	100	17.4	26.2
57	20.5		

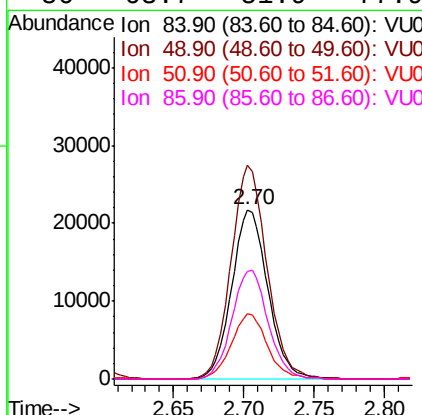
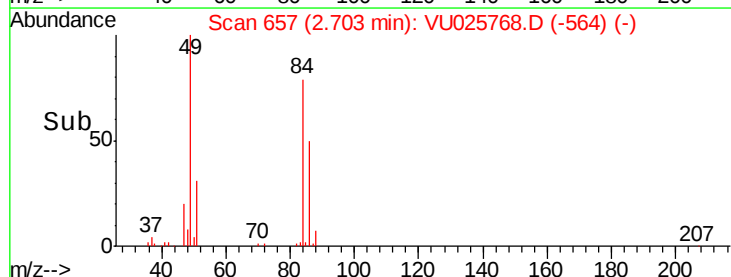
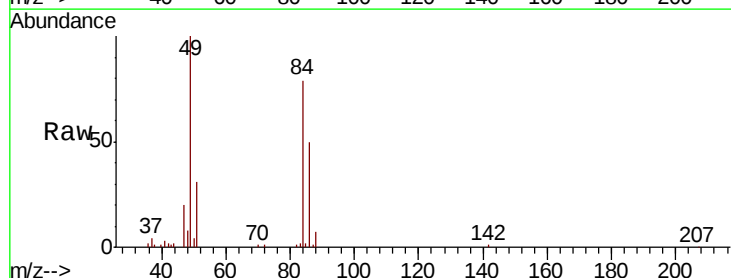
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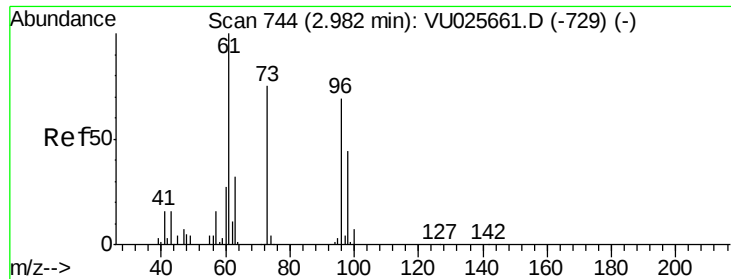
MMDadoda
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#20
Methylene Chloride
Concen: 18.132 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	84	Resp	39083
Ion Ratio	100	Lower	Upper
84	100	51.9	77.9
49	126.2	101.8	152.6
51	38.6	30.8	46.2
86	63.7		





#21

trans-1,2-Dichloroethene

Concen: 17.686 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

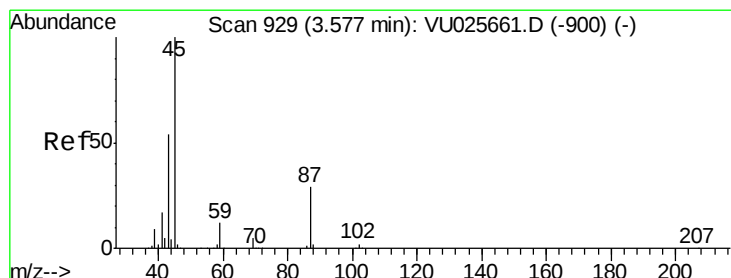
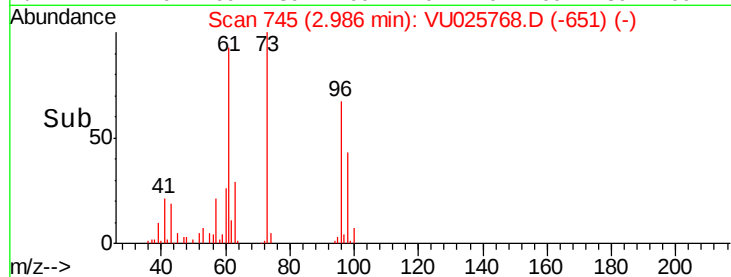
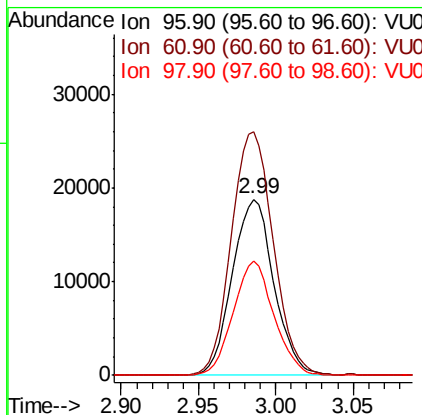
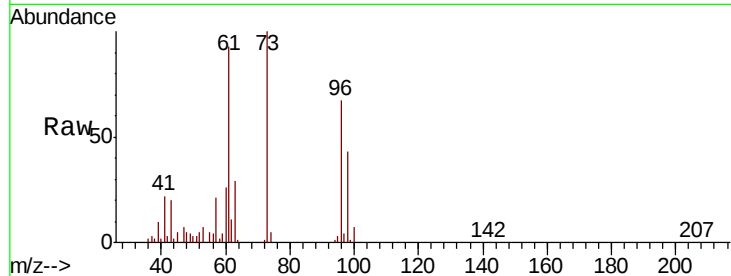
ClientSampleId :

VU0801WBSD03

Tot Ion:	96	Resp:	35146
Ion	Ratio	Lower	Upper
96	100		
61	138.0	114.5	171.7
98	64.7	50.5	75.7

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#22

Diisopropyl ether

Concen: 19.345 ug/l

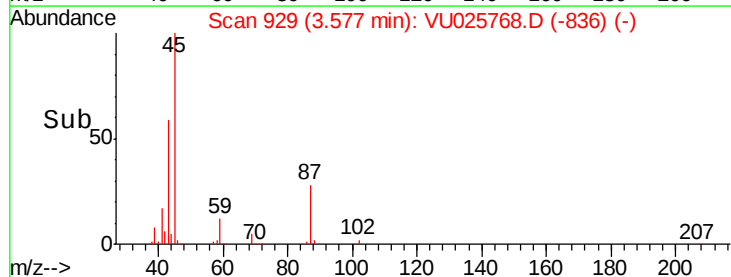
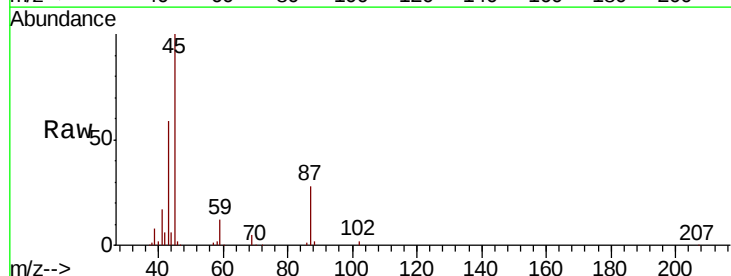
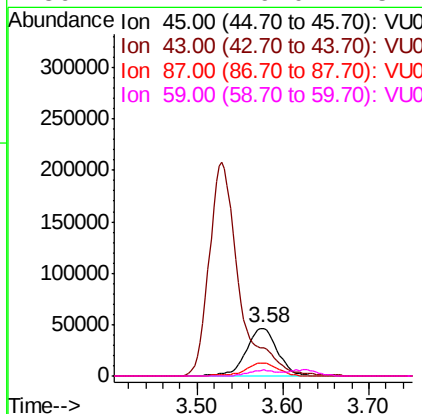
RT: 3.58 min Scan# 929

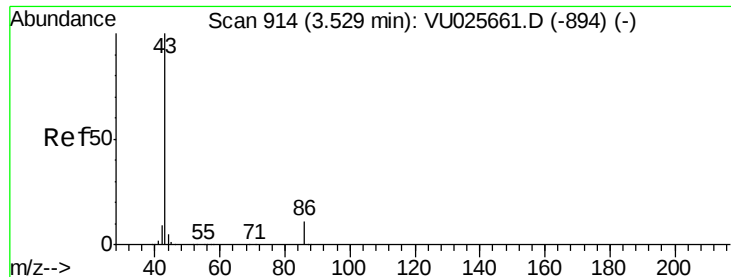
Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion:	45	Resp:	117766
Ion	Ratio	Lower	Upper
45	100		
43	57.0	50.9	76.3
87	27.9	23.8	35.8
59	12.4	9.0	13.4





#23

Vinyl Acetate

Concen: 95.440 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 43 Resp: 506339

Ion Ratio Lower Upper

43 100

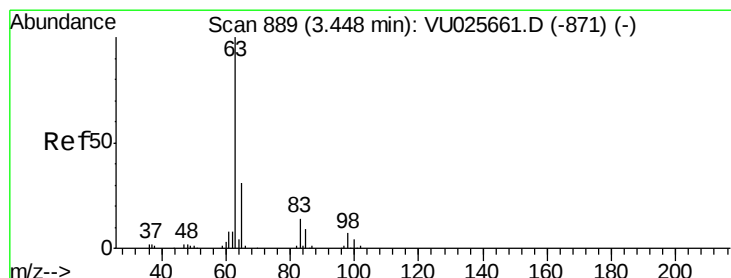
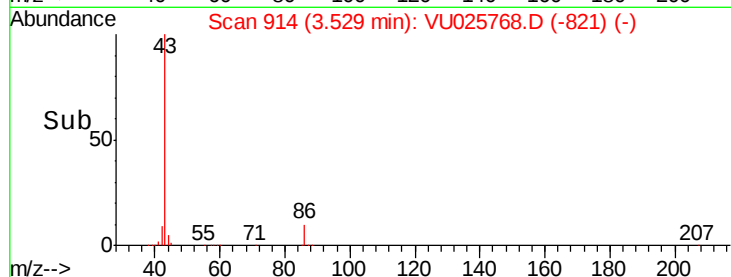
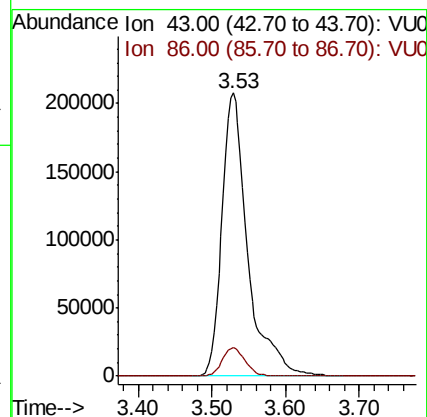
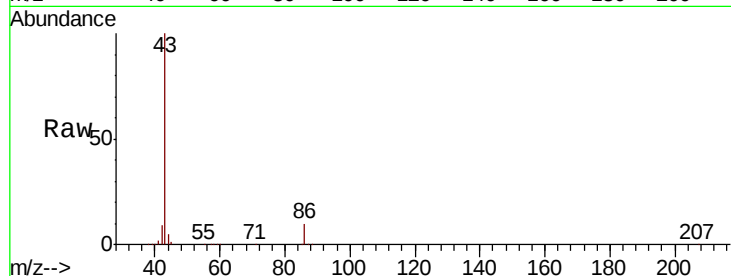
86 10.0 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.460 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

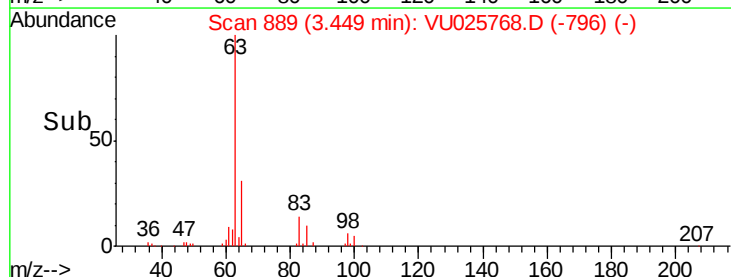
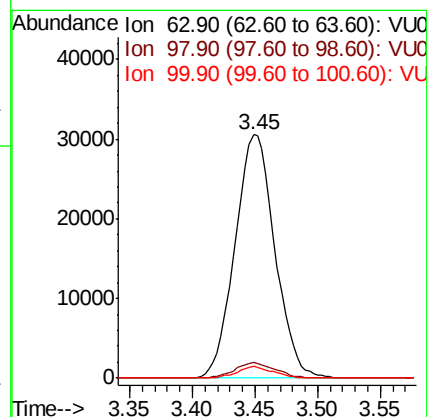
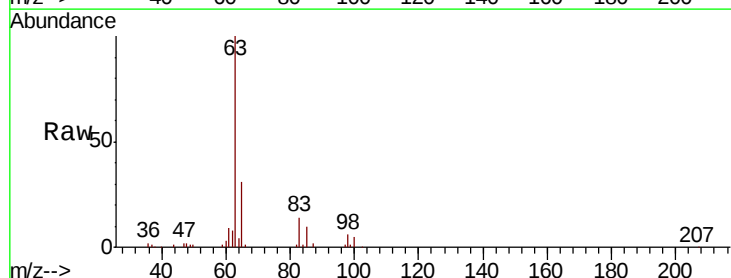
Tgt Ion: 63 Resp: 67458

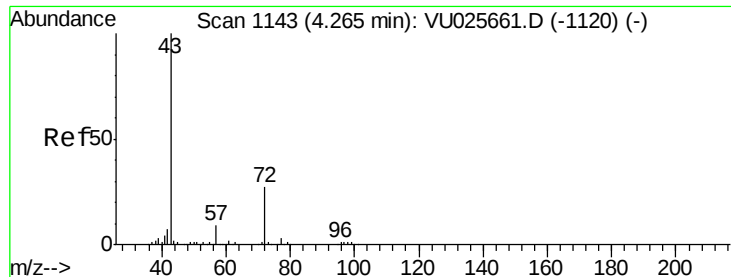
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.8 2.0 6.0





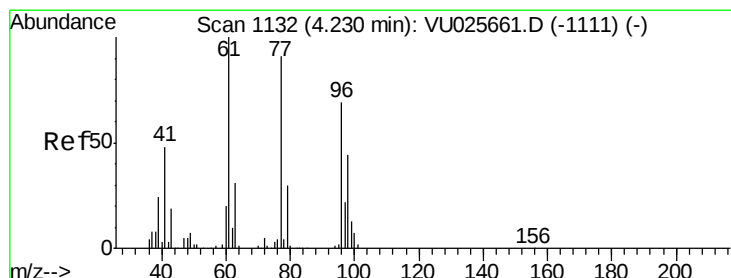
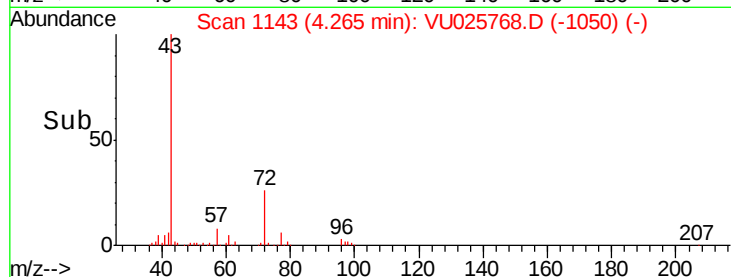
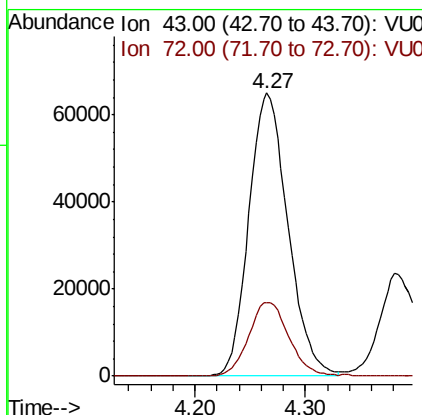
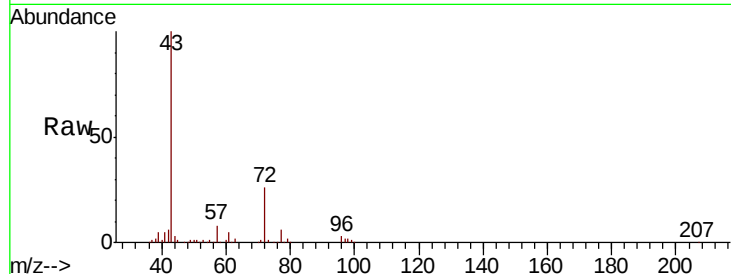
#25
2-Butanone
Concen: 95.970 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	43	Resp	158890
Ion Ratio	43	100	
Lower	72	26.2	21.0
Upper			31.4

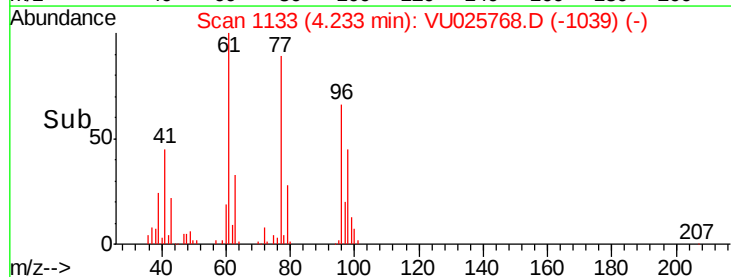
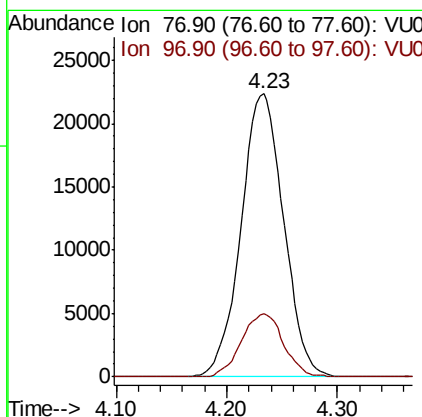
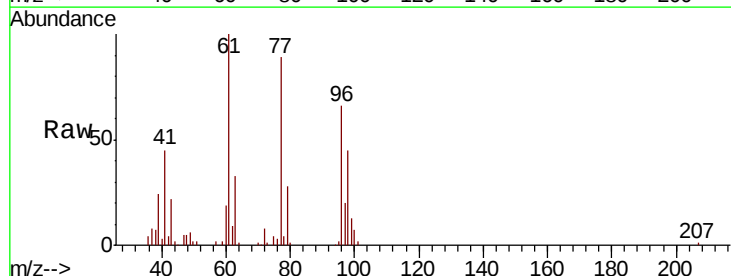
Manual Integrations
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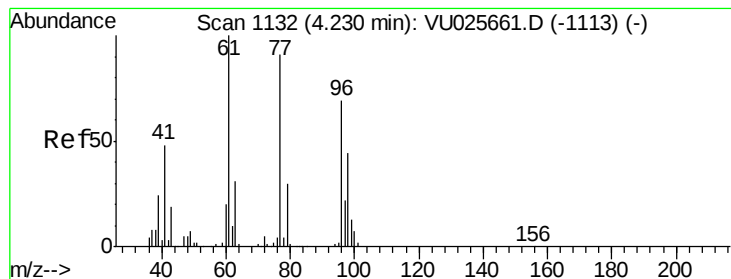
MMDadoda
8/2/2018 9:41:37 AM



#26
2,2-Dichloropropane
Concen: 18.025 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	77	Resp	59872
Ion Ratio	77	100	
Lower	97	22.0	11.2
Upper			33.5





#27

cis-1,2-Dichloroethene

Concen: 17.936 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

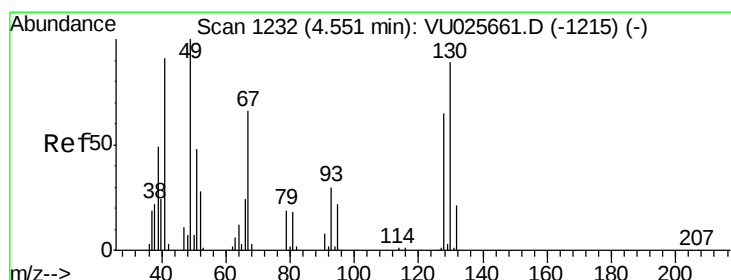
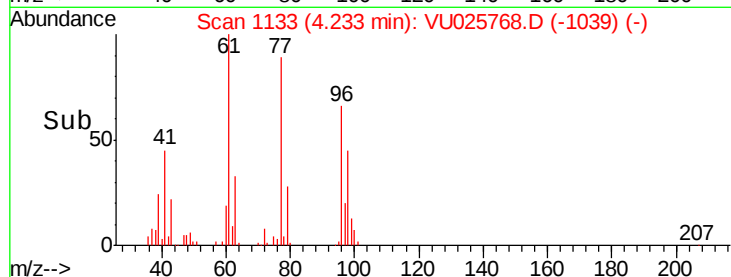
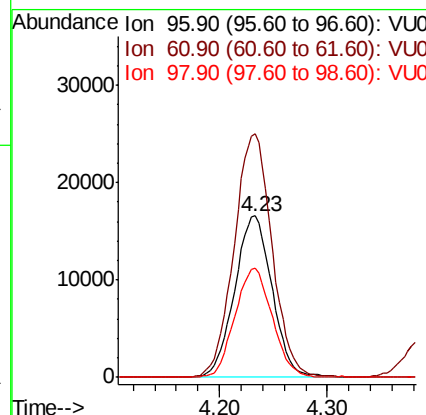
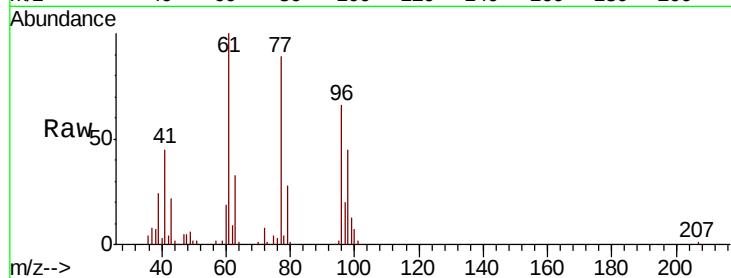
ClientSampleId :

VU0801WBSD03

Tot Ion:	96	Resp:	40186
Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	299.8
98	66.9	0.0	128.6

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#28

Bromochloromethane

Concen: 20.124 ug/l

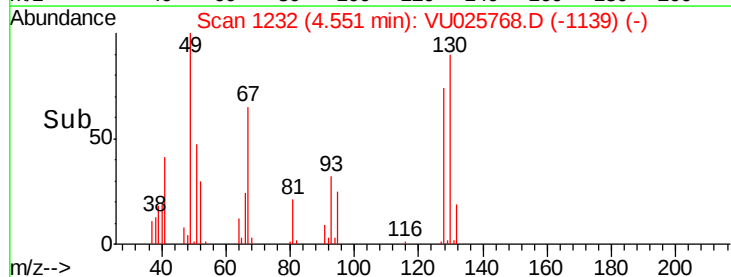
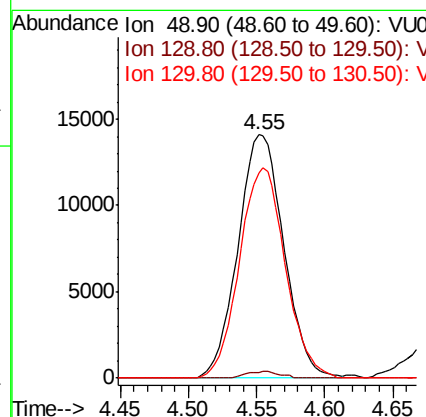
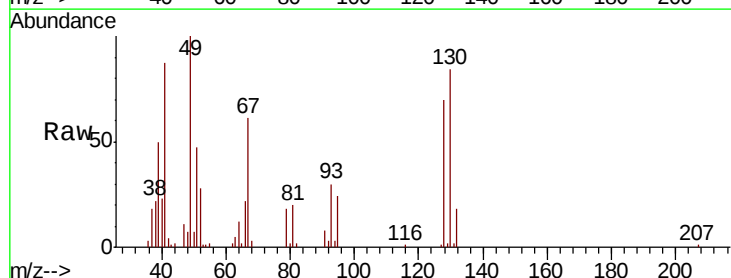
RT: 4.55 min Scan# 1232

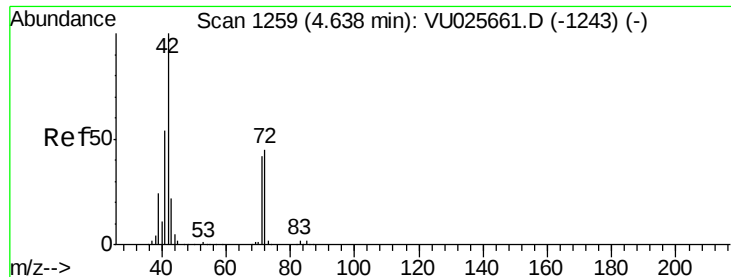
Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion:	49	Resp:	32881
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	86.5	68.6	102.8





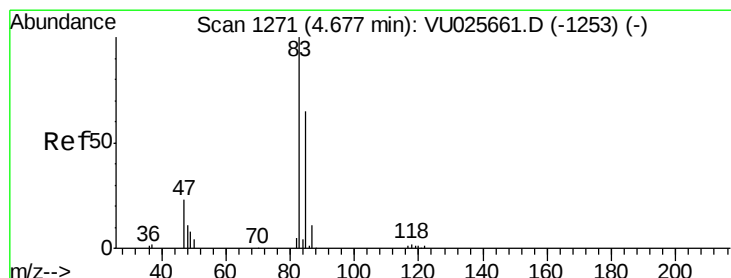
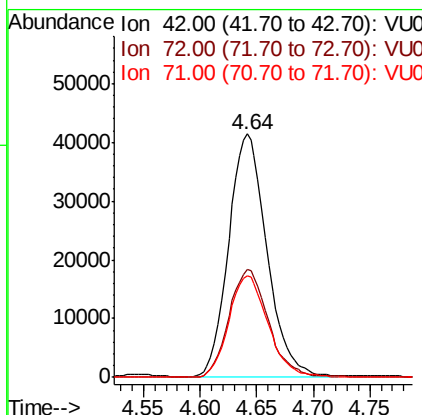
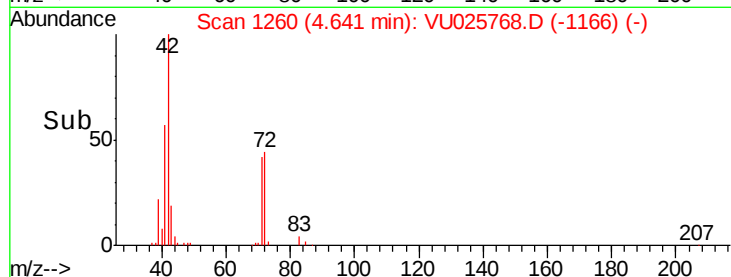
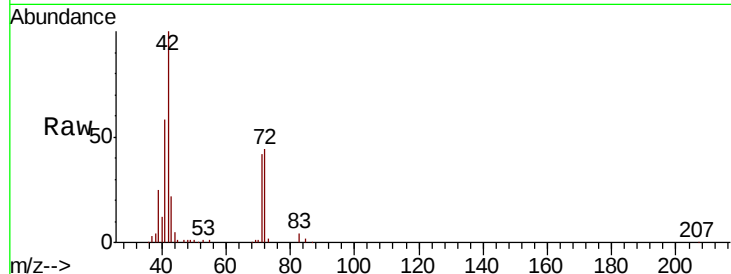
#29
Tetrahydrofuran
Concen: 98.678 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.7	55.1
71	42.6	33.9	50.9

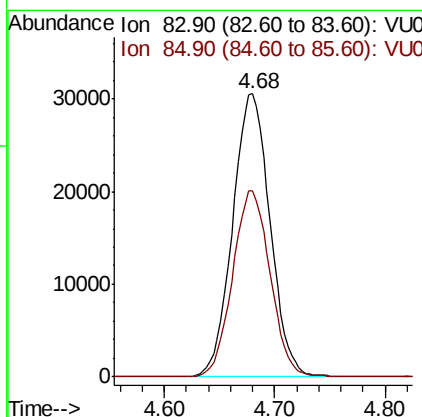
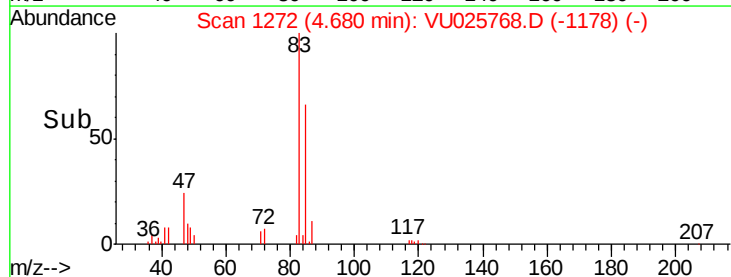
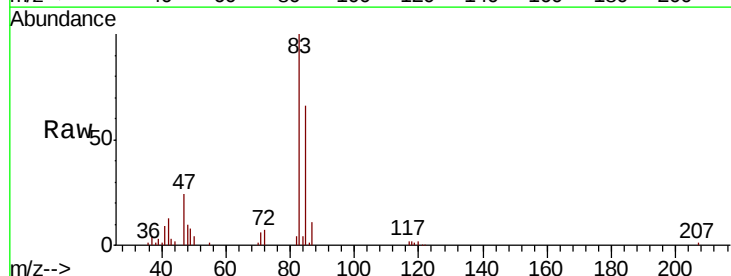
Manual Integrations
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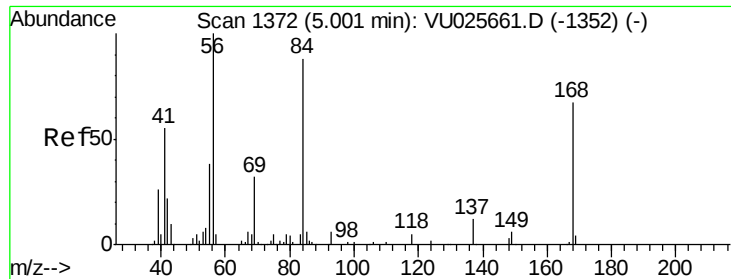
MMDadoda
8/2/2018 9:41:37 AM



#30
Chloroform
Concen: 18.582 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





#31

Cyclohexane

Concen: 16.740 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 56 Resp: 56076

Ion Ratio Lower Upper

56 100

69 35.2 26.8 40.2

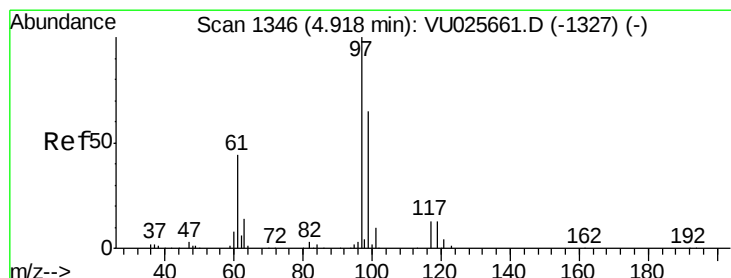
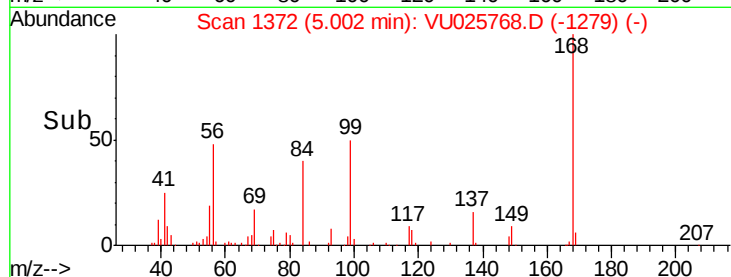
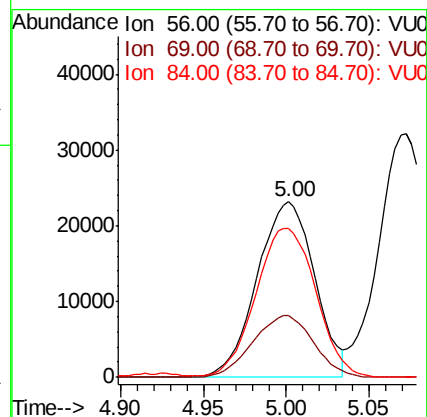
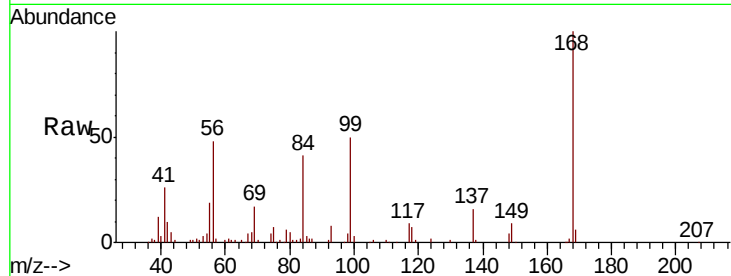
84 84.4 69.7 104.5

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#32

1,1,1-Trichloroethane

Concen: 18.287 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

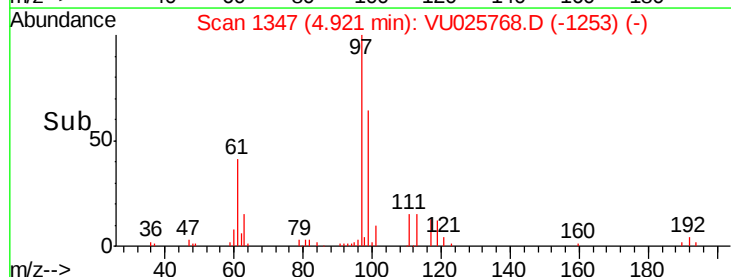
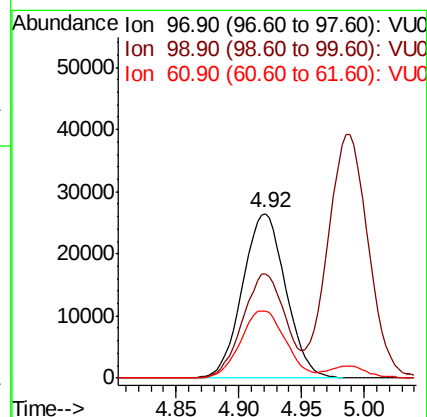
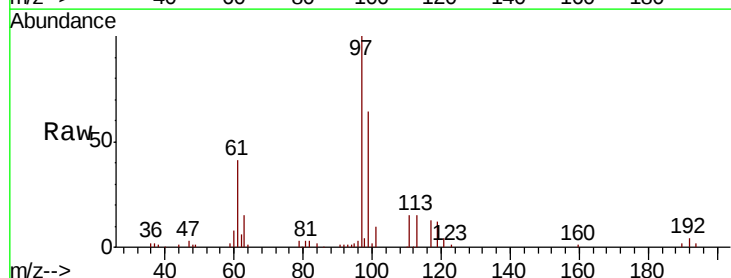
Tgt Ion: 97 Resp: 63508

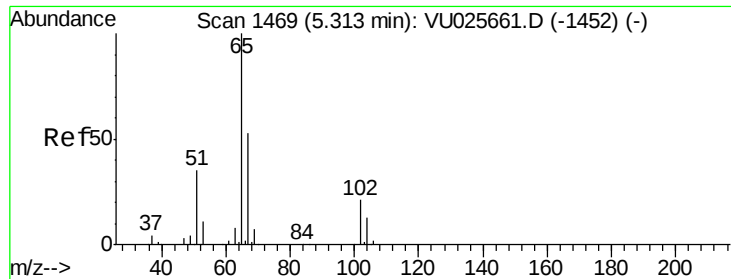
Ion Ratio Lower Upper

97 100

99 62.7 50.8 76.2

61 42.6 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 52.267 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 65 Resp: 130385

Ion Ratio Lower Upper

65 100

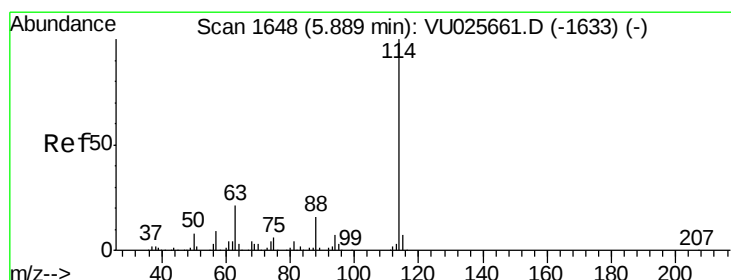
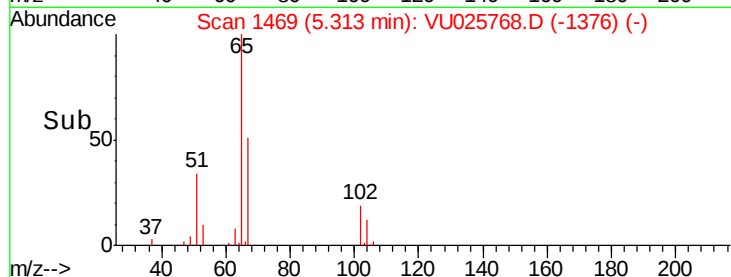
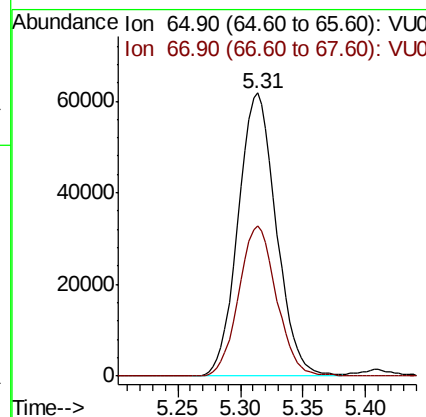
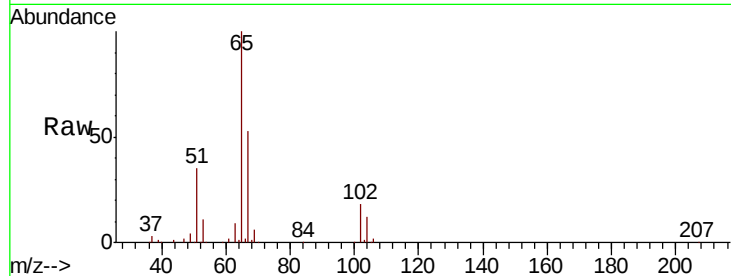
67 52.5 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

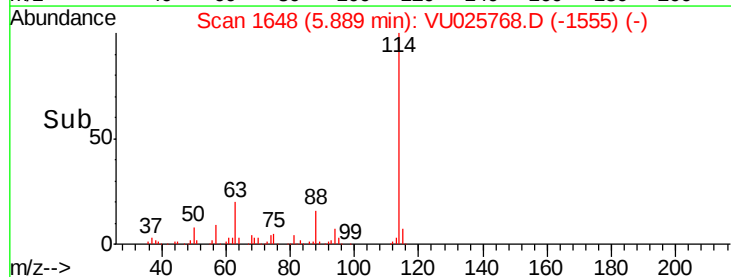
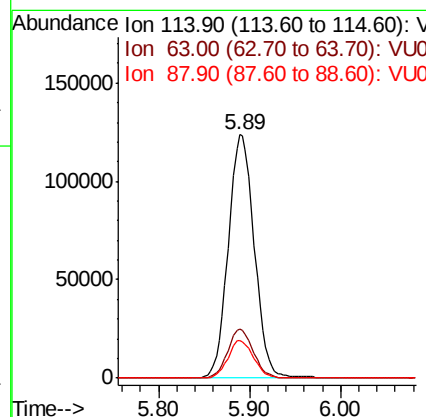
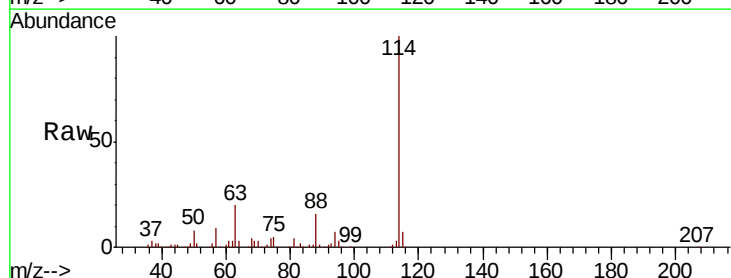
Tgt Ion: 114 Resp: 245794

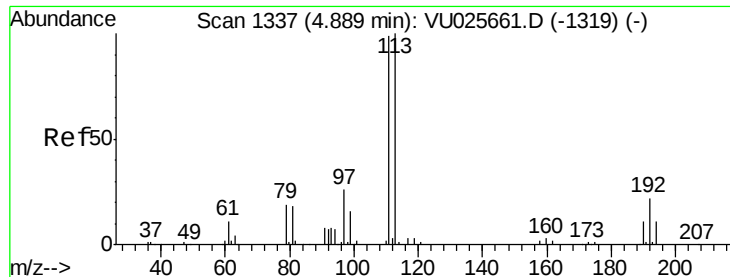
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 15.7 0.0 32.4





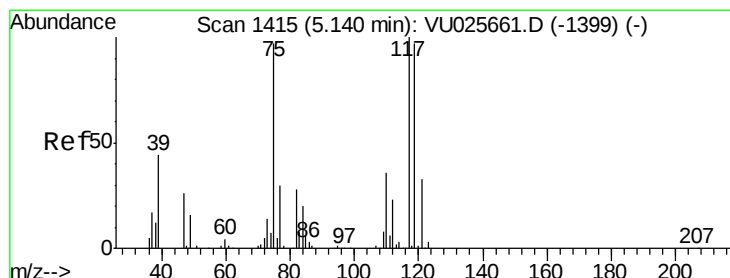
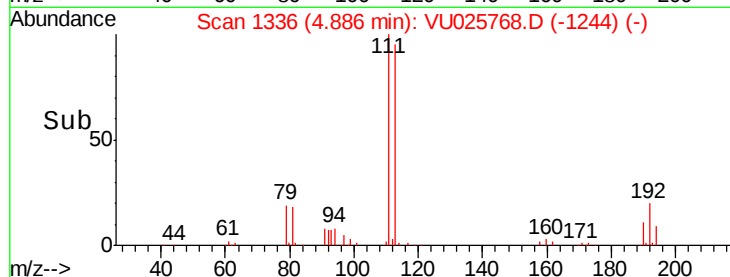
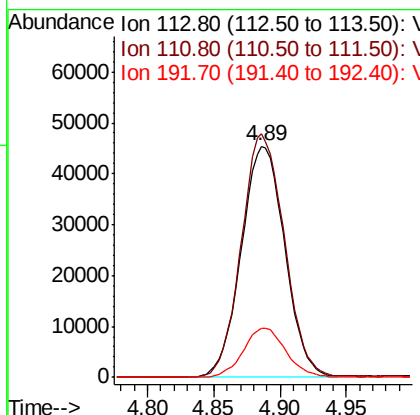
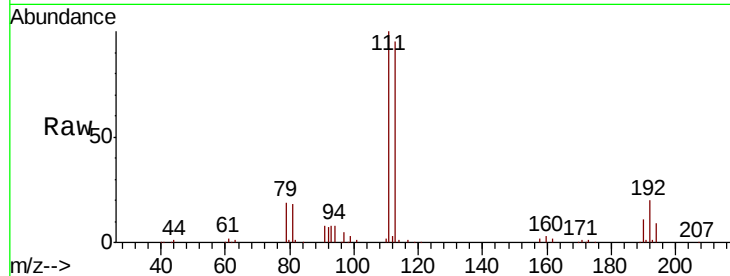
#35
 Dibromofluoromethane
 Concen: 48.601 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103899		
111	104.2		81.7	122.5
192	20.7		17.1	25.7

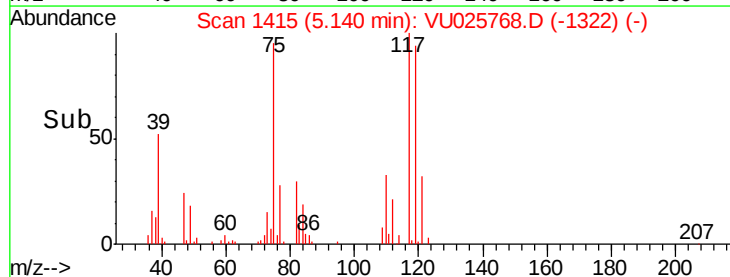
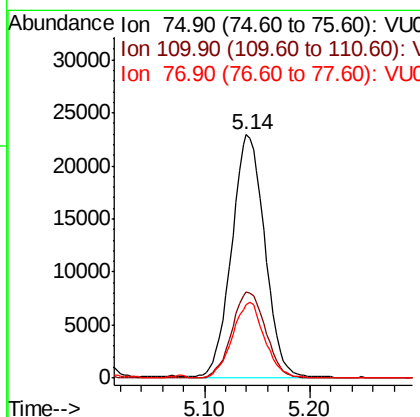
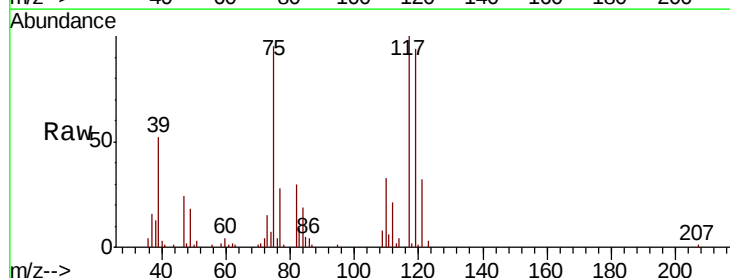
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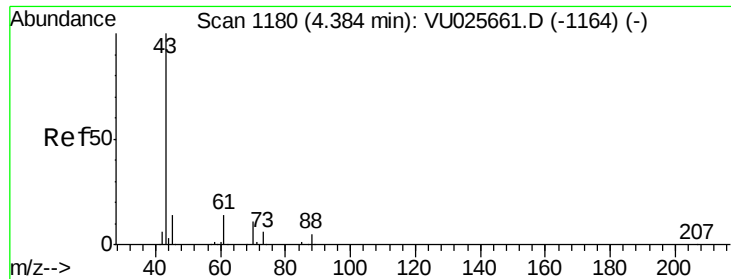
MMDadoda
 8/2/2018 9:41:37 AM



#36
 1,1-Dichloropropene
 Concen: 17.518 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50320		
110	35.7		17.6	52.9
77	30.1		24.4	36.6





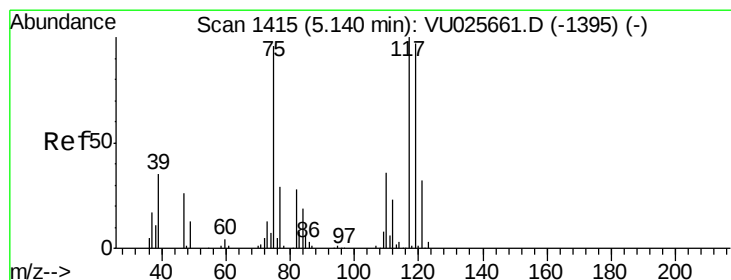
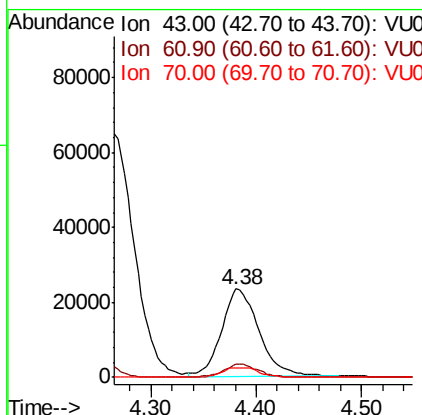
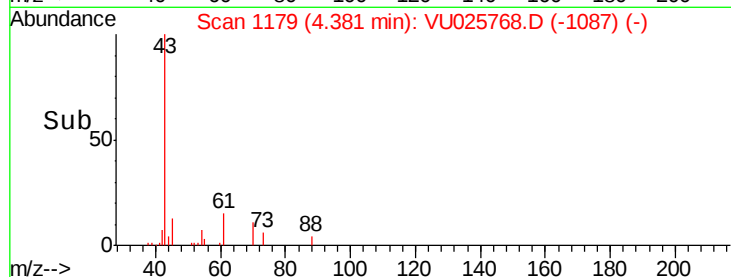
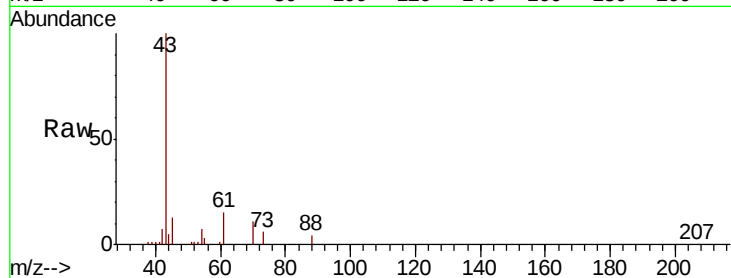
#37
Ethyl Acetate
Concen: 19.186 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.7	16.1
70	11.0	8.4	12.6

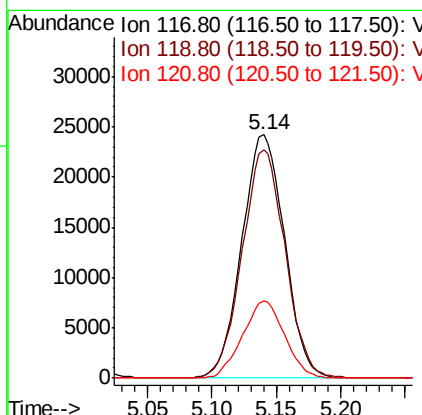
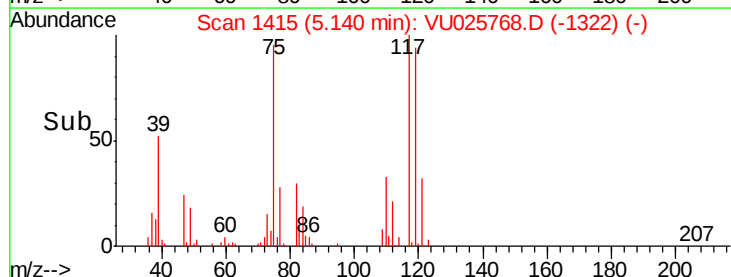
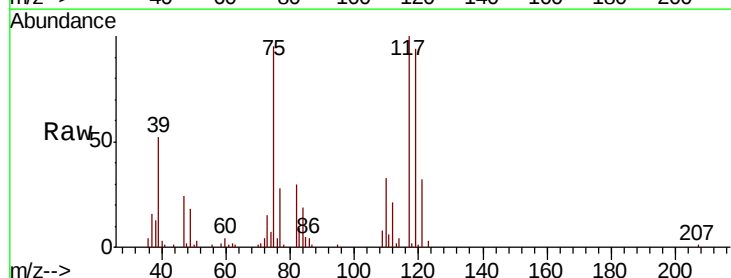
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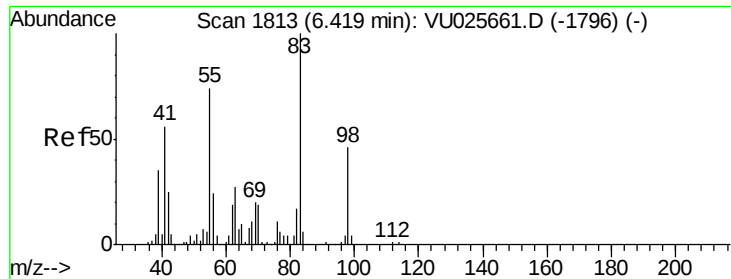
MMDadoda
8/2/2018 9:41:37 AM



#38
Carbon Tetrachloride
Concen: 17.235 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.7	113.5
121	31.8	24.6	36.8





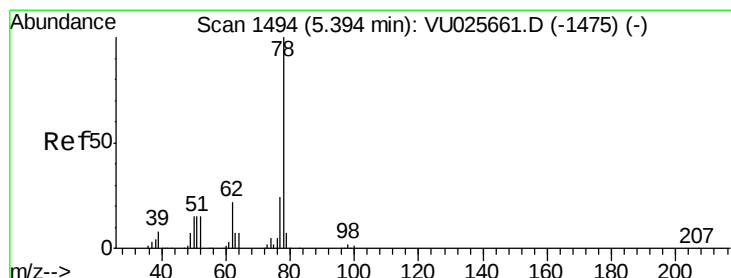
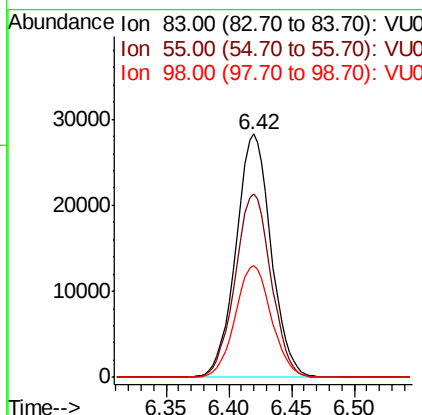
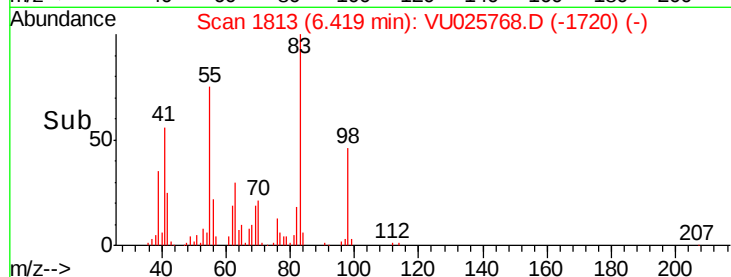
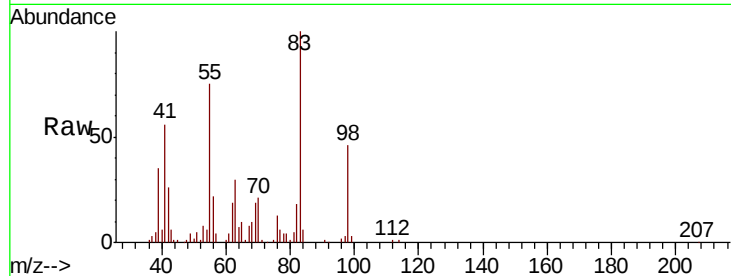
#39
Methvlcvclohexane
Concen: 16.762 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.0	90.0
98	45.7	36.1	54.1

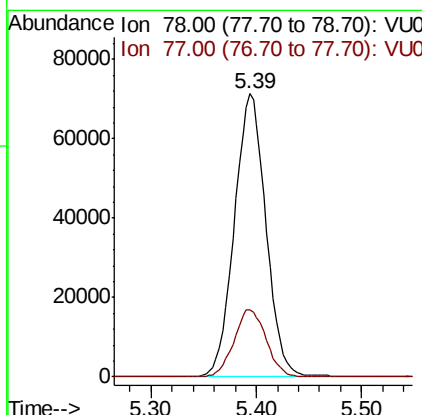
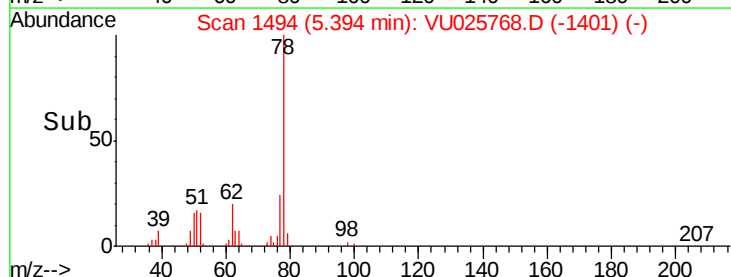
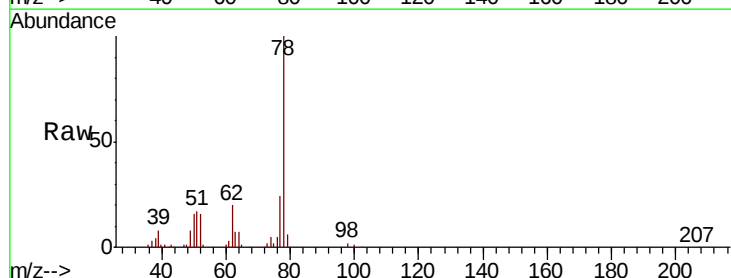
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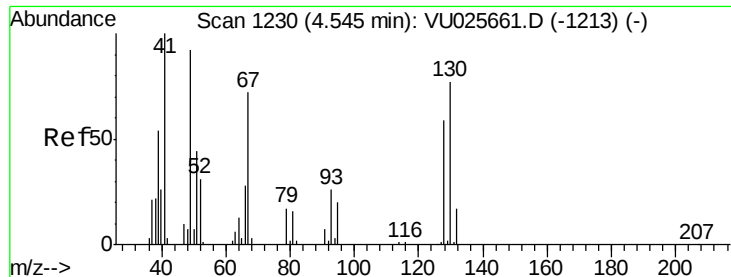
MMDadoda
8/2/2018 9:41:37 AM



#40
Benzene
Concen: 17.620 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.6





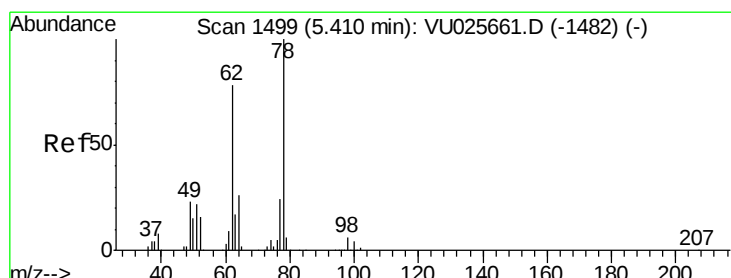
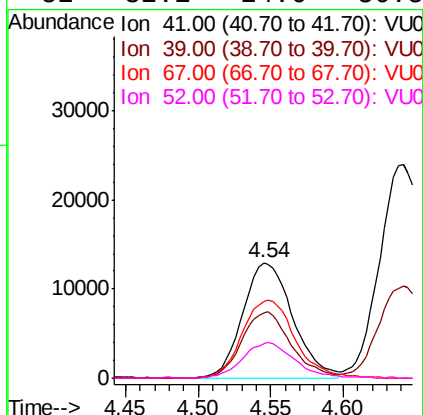
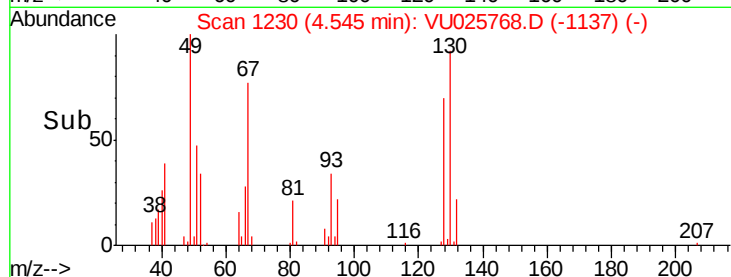
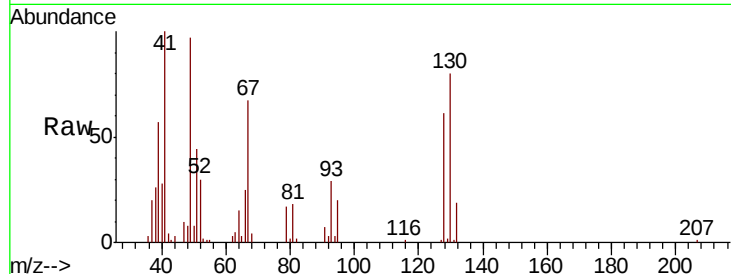
#41
Methacrylonitrile
Concen: 18.803 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	44.4	66.6	
67	71.3	56.0	84.0	
52	32.1	24.6	36.8	

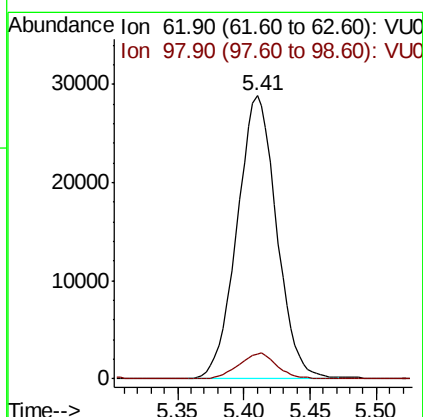
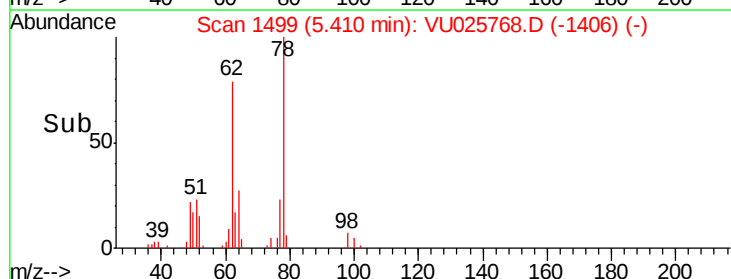
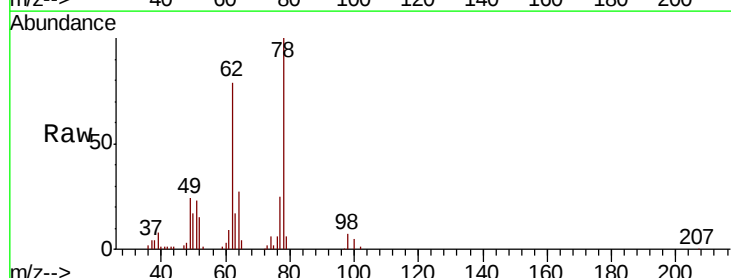
Manual Integrations
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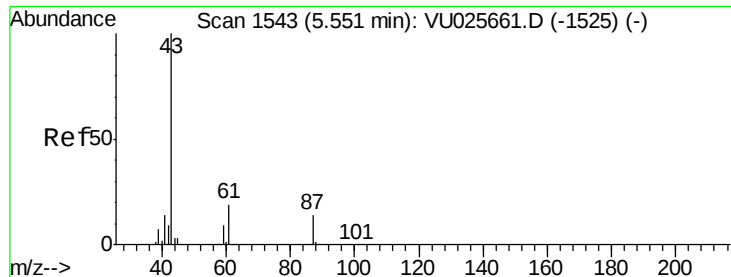
MMDadoda
8/2/2018 9:41:37 AM



#42
1,2-Dichloroethane
Concen: 18.514 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.4	





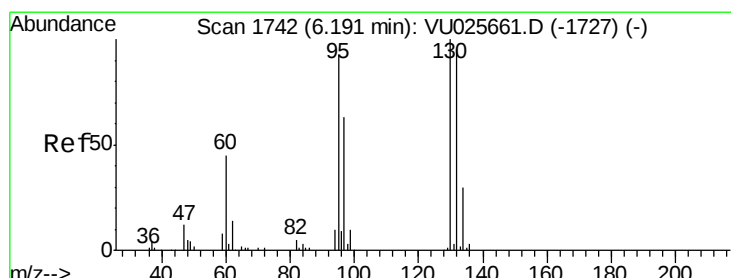
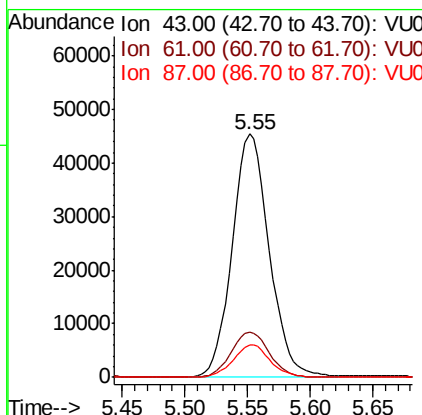
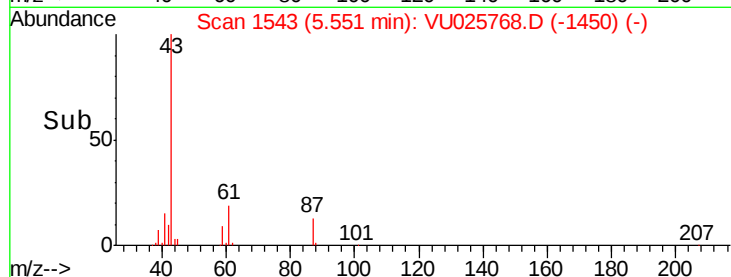
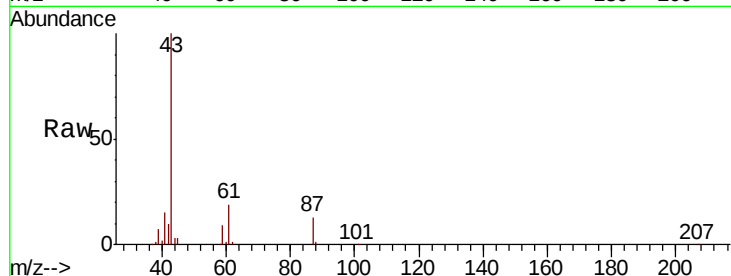
#43
Isopropyl Acetate
Concen: 18.816 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.5	10.6	16.0

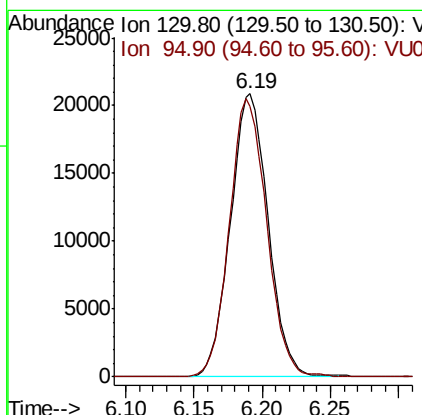
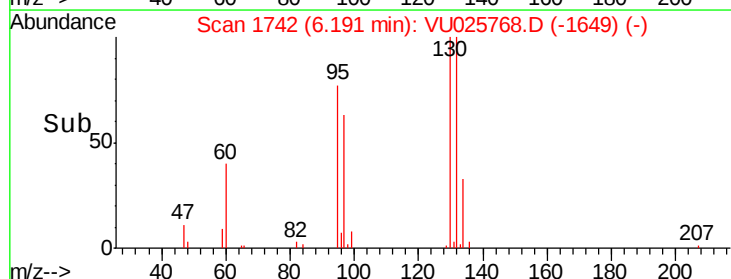
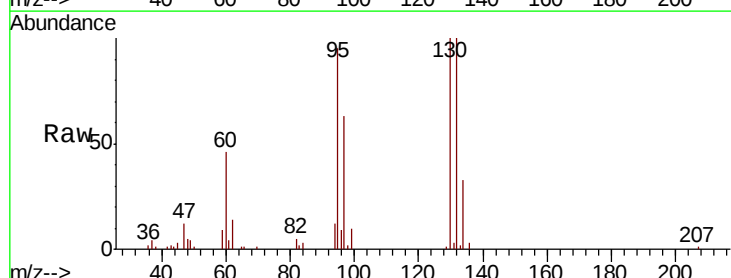
Manual Integrations
APPROVED

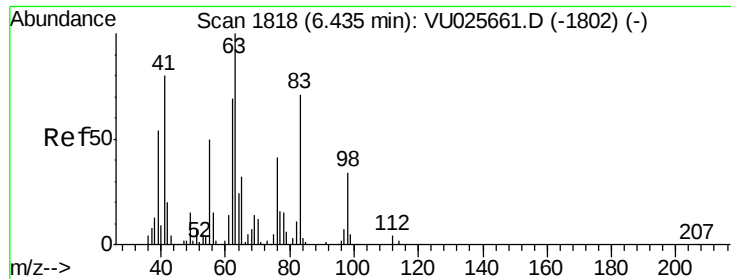
MMDadoda
8/2/2018 9:41:37 AM



#44
Trichloroethene
Concen: 17.151 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	192.2





#45

1,2-Dichloropropane

Concen: 18.237 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 63 Resp: 39936

Ion Ratio Lower Upper

63 100

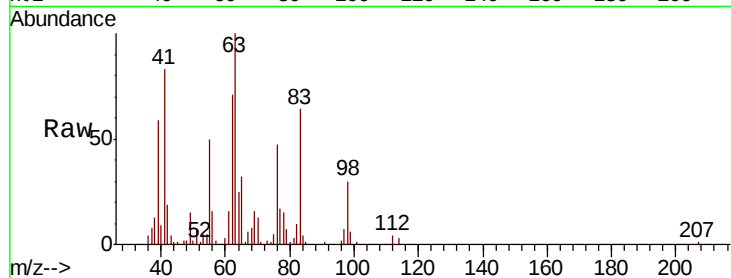
65 32.2 26.1 39.1

Manual Integrations

APPROVED

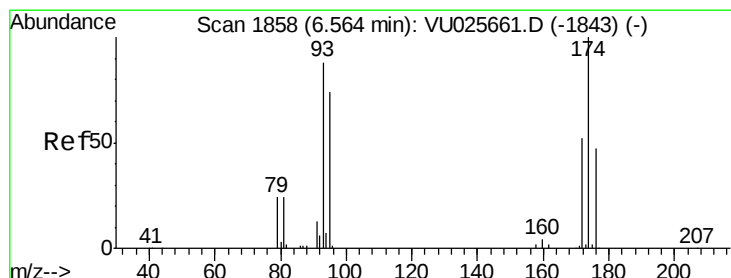
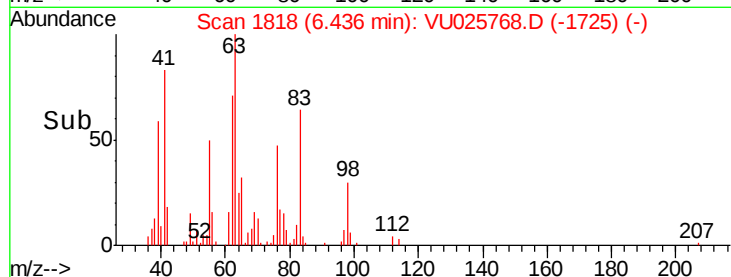
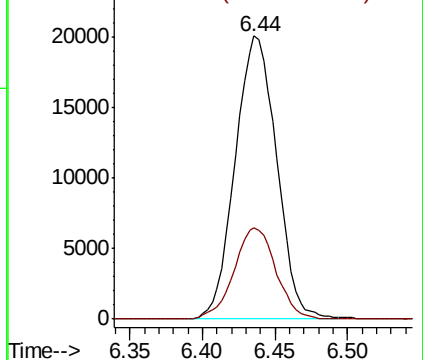
MMDadoda

8/2/2018 9:41:37 AM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 18.465 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

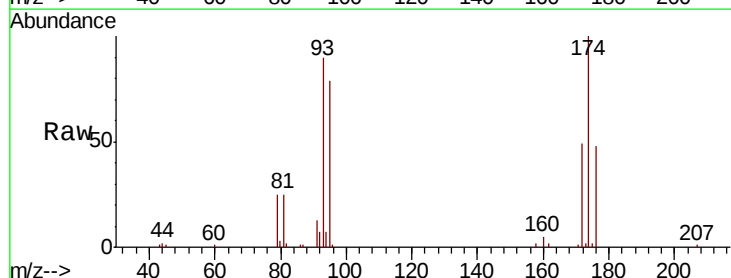
Tgt Ion: 93 Resp: 29298

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

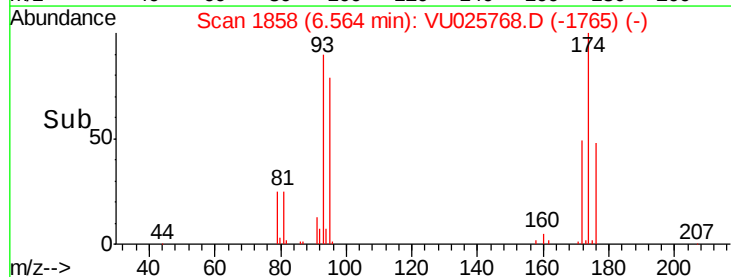
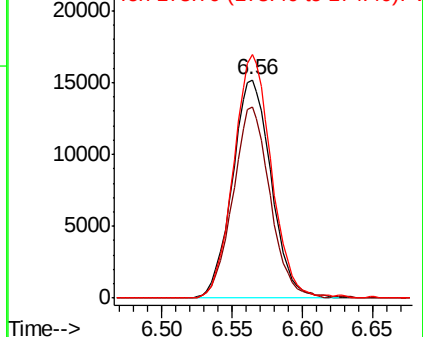
174 108.2 85.8 128.8

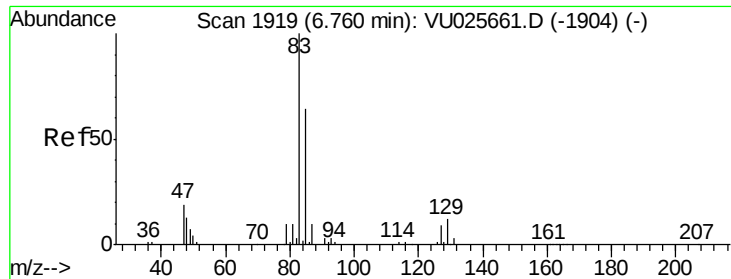


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





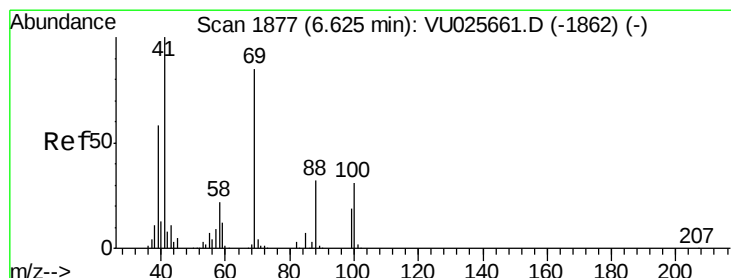
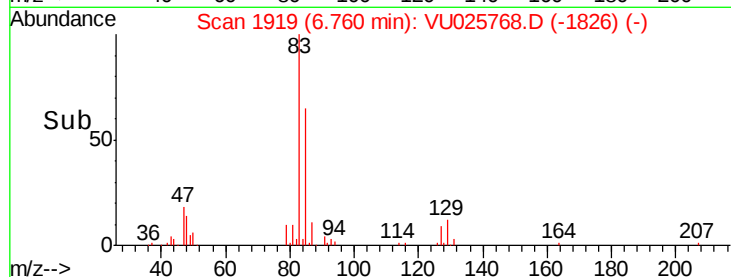
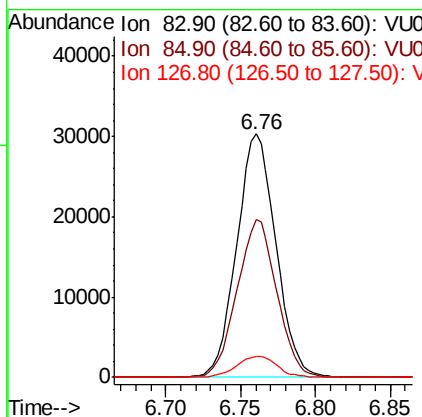
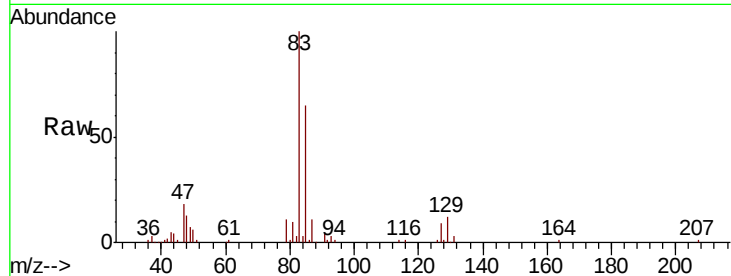
#47
 Bromodichloromethane
 Concen: 18.215 ug/l
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.6	50.2	75.4	
127	8.5	7.2	10.8	

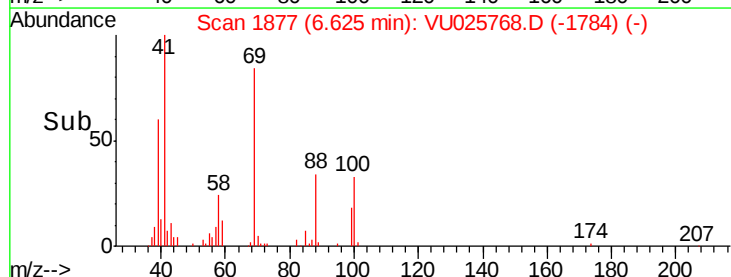
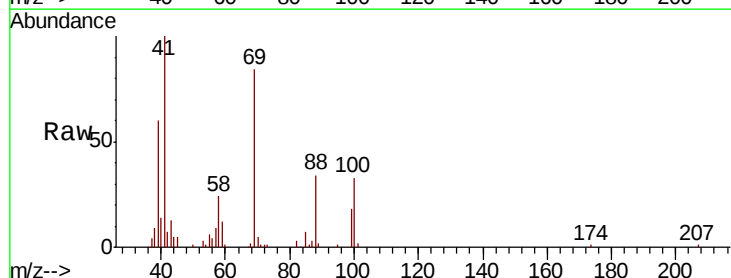
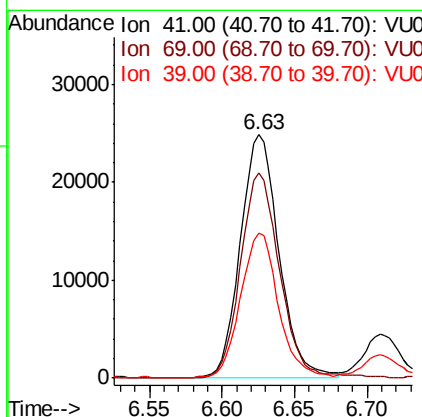
Manual Integrations
 APPROVED

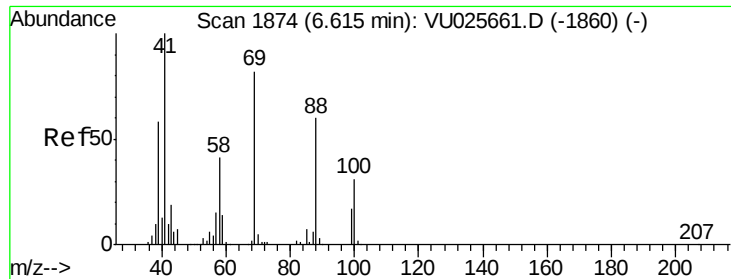
MMDadoda
 8/2/2018 9:41:37 AM



#48
 Methyl methacrylate
 Concen: 19.159 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.4	65.0	97.4	
39	58.4	46.4	69.6	





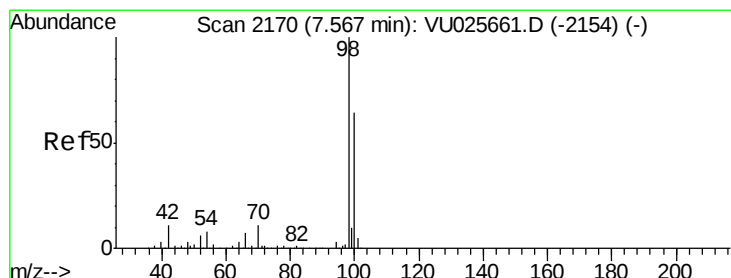
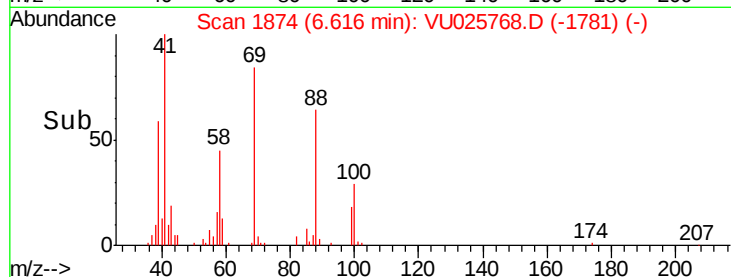
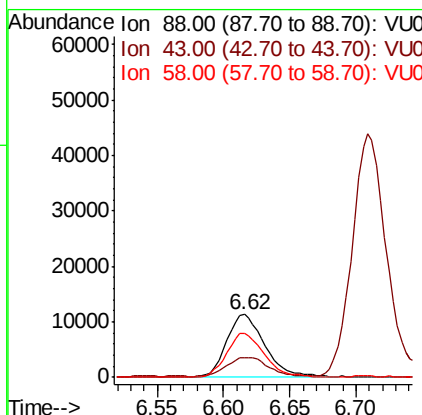
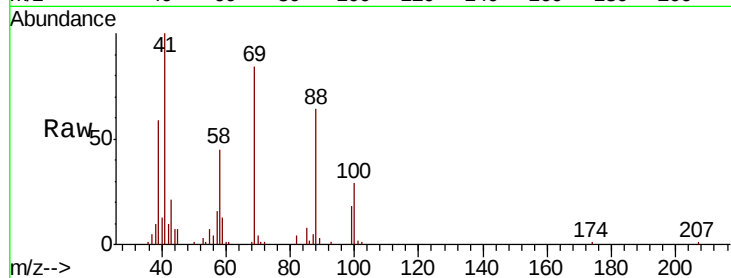
#49
1,4-Dioxane
Concen: 390.341 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.3	40.9
58	68.2	57.6	86.4

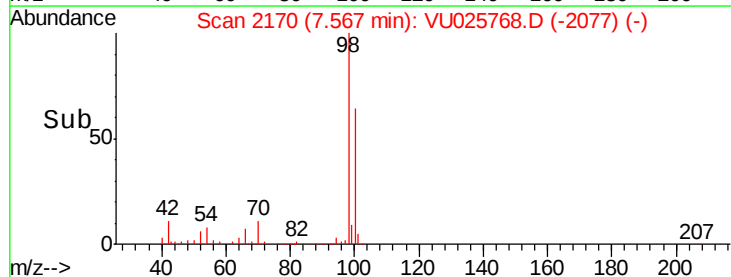
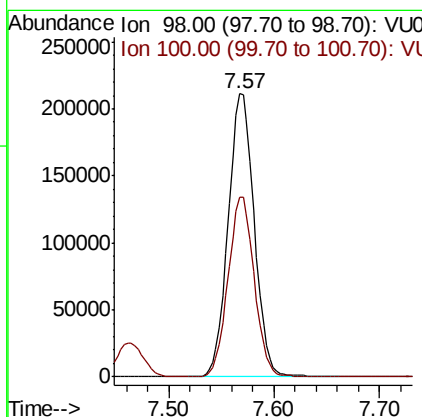
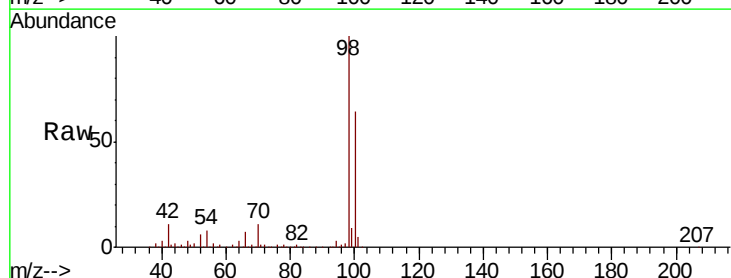
Manual Integrations
APPROVED

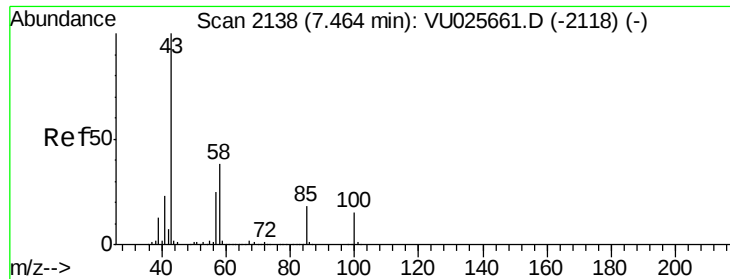
MMDadoda
8/2/2018 9:41:37 AM



#50
Toluene-d8
Concen: 48.284 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





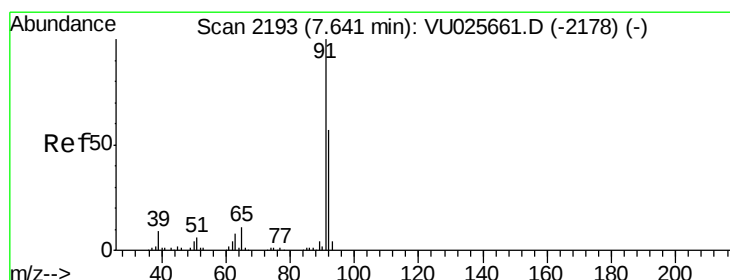
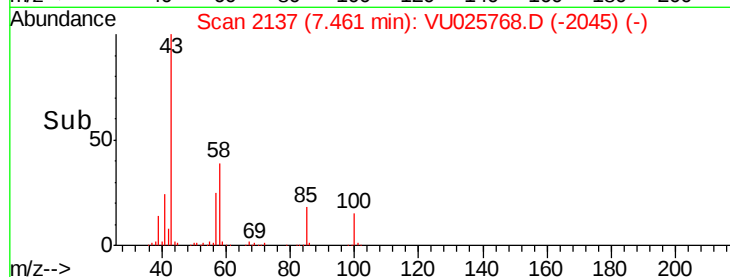
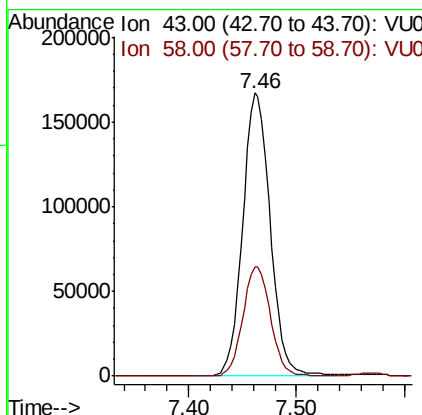
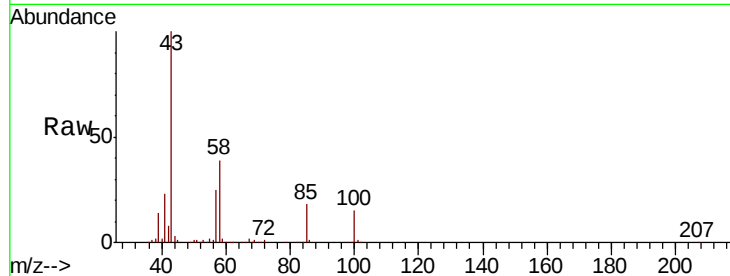
#51
4-Methyl-2-Pentanone
Concen: 96.330 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	31.0	46.4

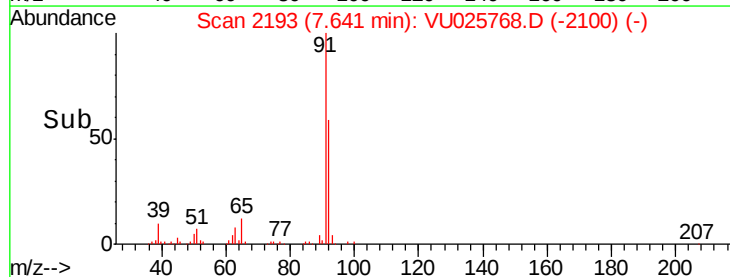
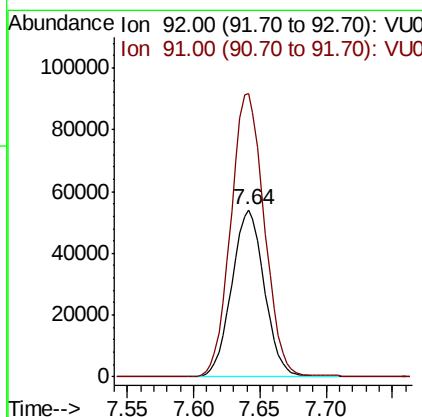
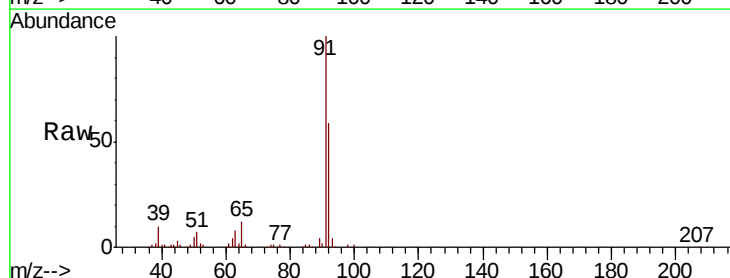
Manual Integrations
APPROVED

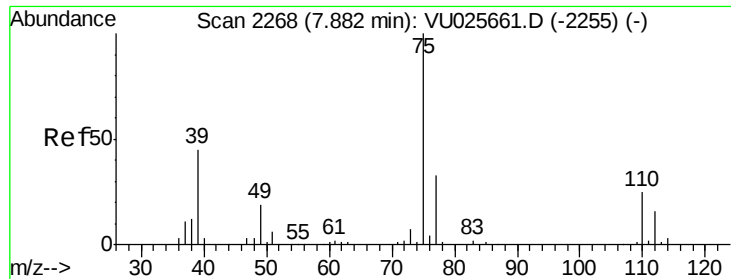
MMDadoda
8/2/2018 9:41:37 AM



#52
Toluene
Concen: 17.743 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.9	139.2	208.8





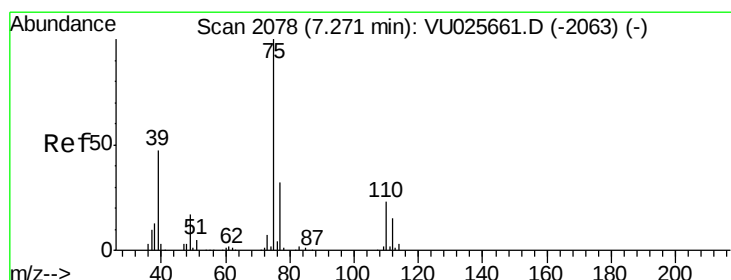
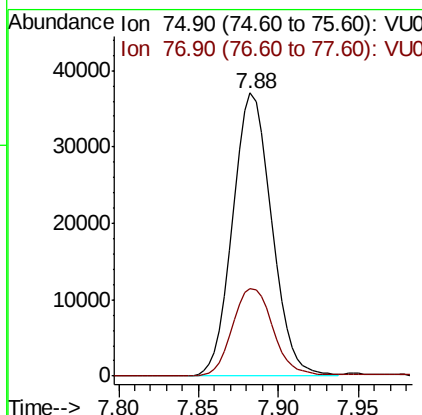
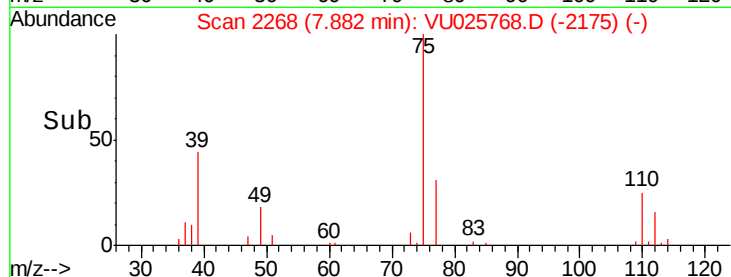
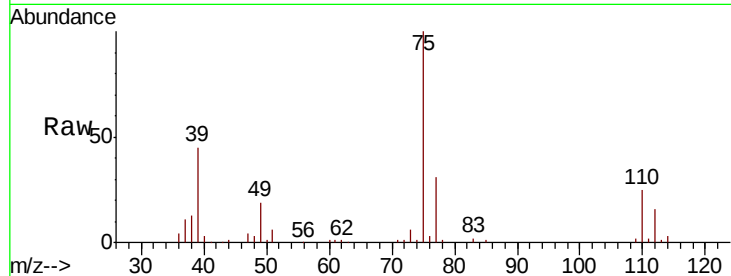
#53
 t-1,3-Dichloropropene
 Concen: 18.139 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

Tot Ion: 75 Resp: 61645
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.5 36.7

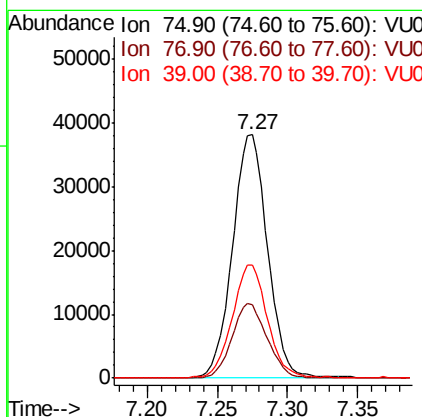
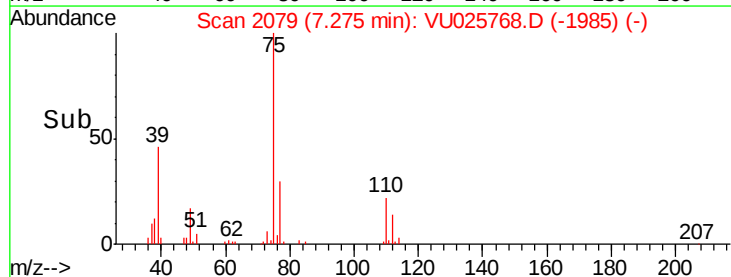
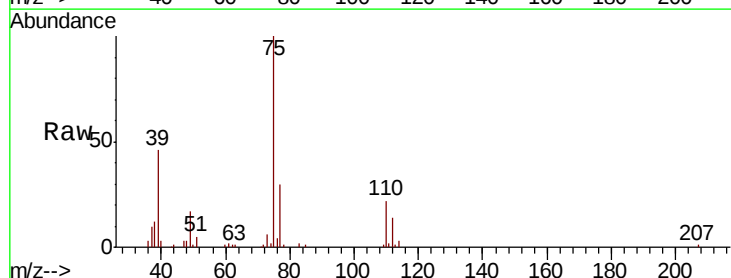
Manual Integrations
 APPROVED

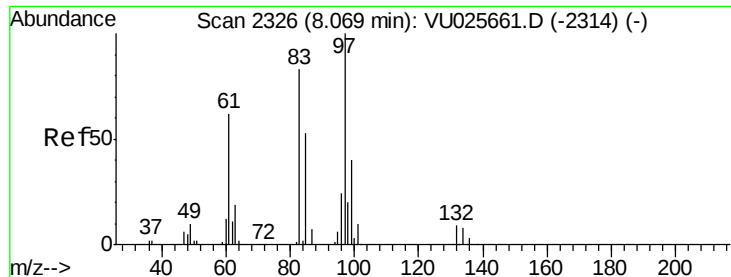
MMDadoda
 8/2/2018 9:41:37 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.992 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion: 75 Resp: 66299
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.6 38.4
 39 46.2 40.0 60.0





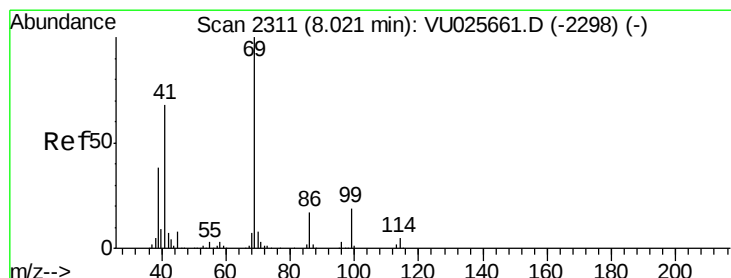
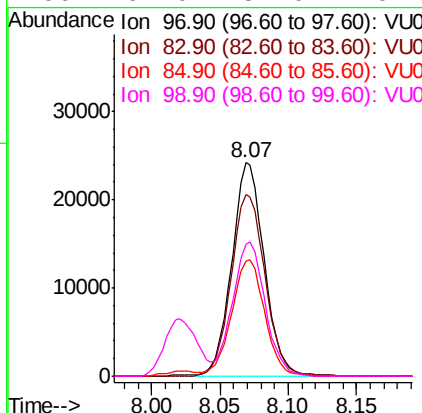
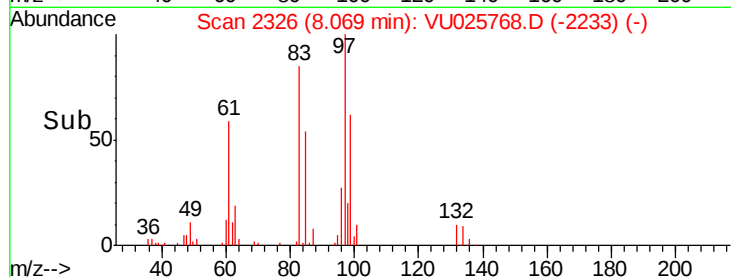
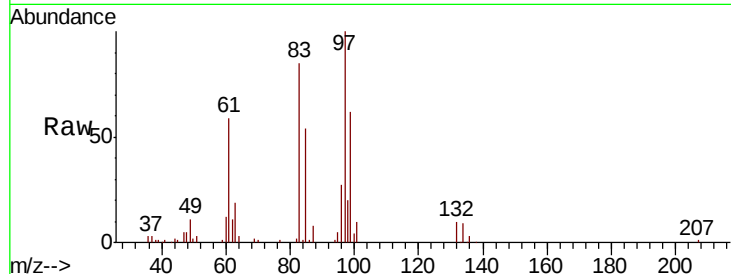
#55
 1,1,2-Trichloroethane
 Concen: 18.478 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40057		
83	85.0	68.9	103.3		
85	53.9	44.4	66.6		
99	62.0	51.0	76.4		

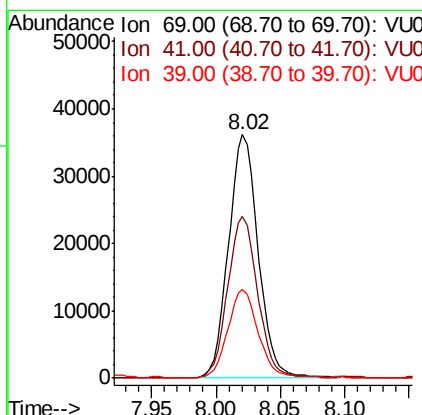
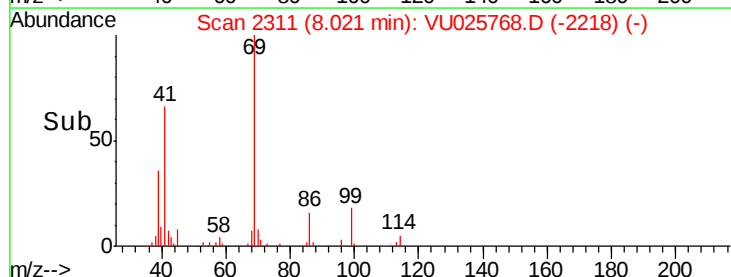
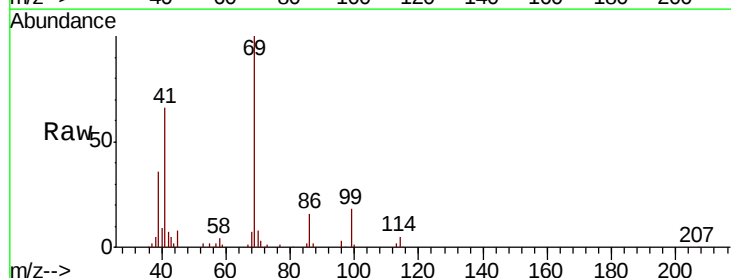
Manual Integrations
 APPROVED

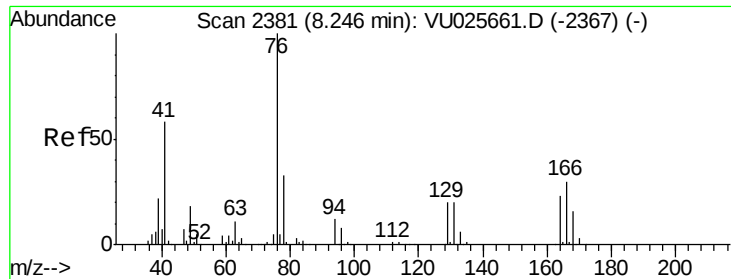
MMDadoda
 8/2/2018 9:41:37 AM



#56
 Ethyl methacrylate
 Concen: 18.685 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		57873		
41	67.3	54.8	82.2		
39	37.3	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 18.947 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 76 Resp: 69072

Ion Ratio Lower Upper

76 100

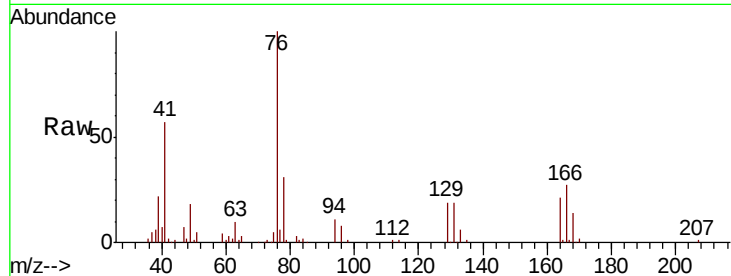
78 30.5 26.1 39.1

Manual Integrations

APPROVED

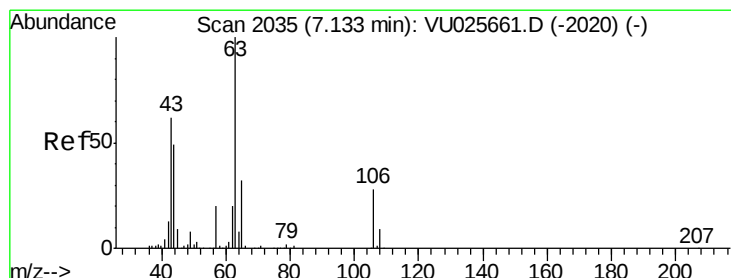
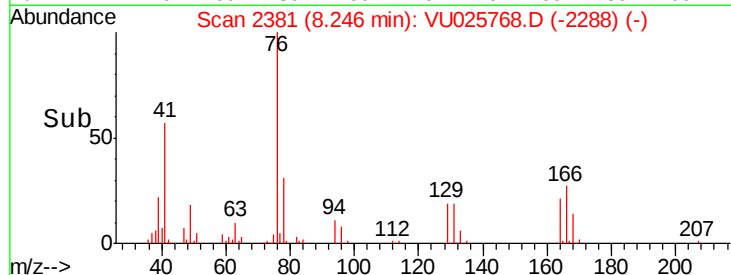
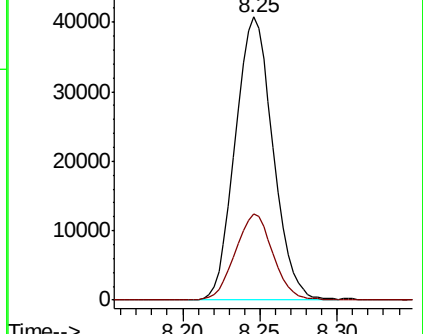
MMDadoda

8/2/2018 9:41:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 102.424 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025768.D

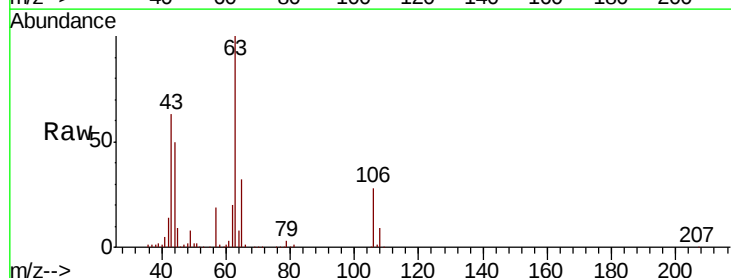
Acq: 01 Aug 2018 11:44

Tgt Ion: 63 Resp: 137629

Ion Ratio Lower Upper

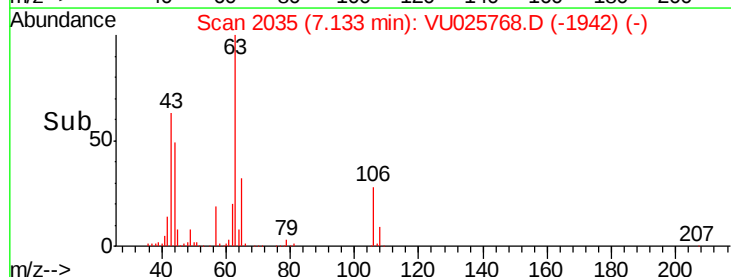
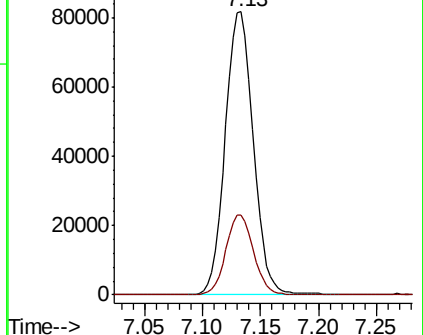
63 100

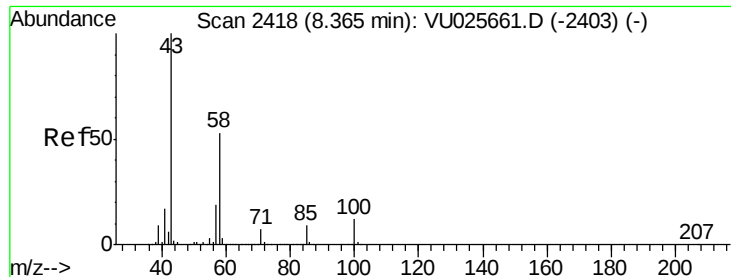
106 27.7 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





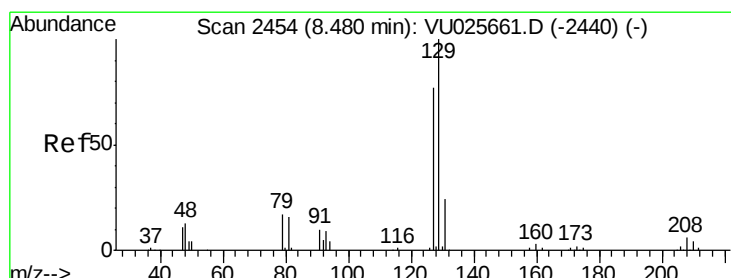
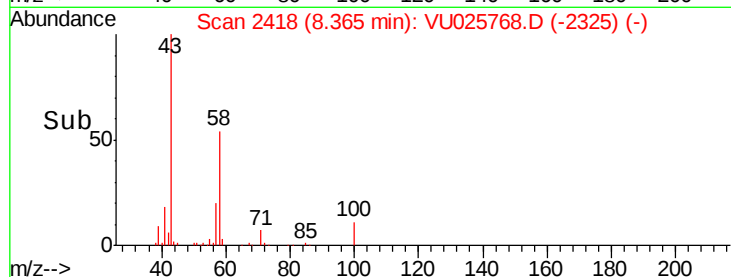
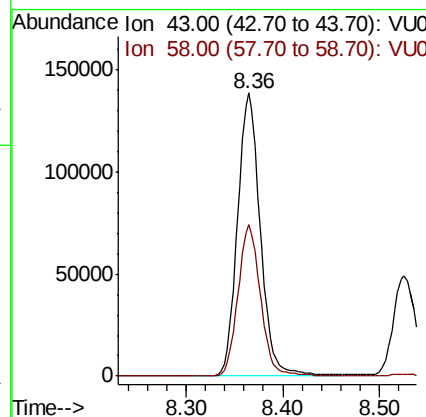
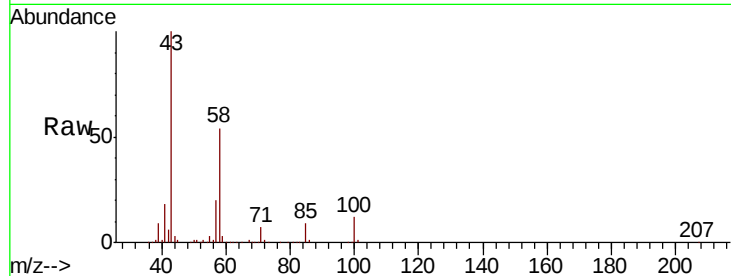
#59
2-Hexanone
Concen: 94.603 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion: 43 Resp: 228510
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.5

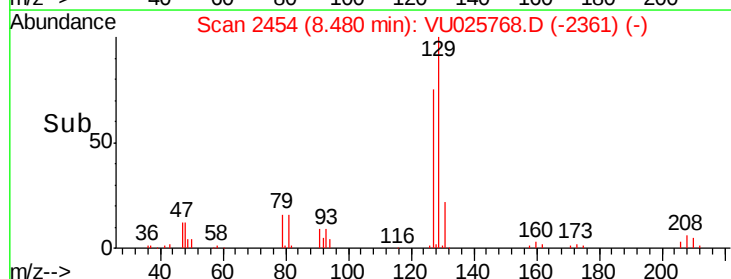
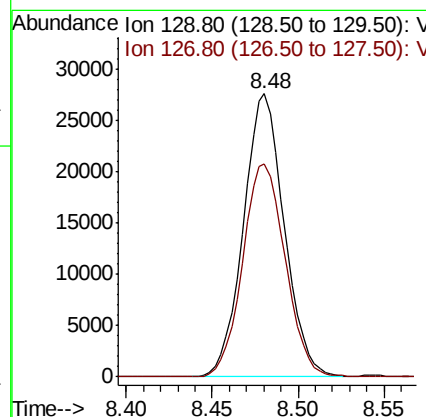
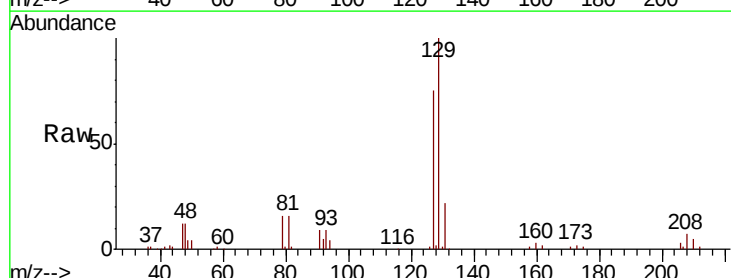
Manual Integrations
APPROVED

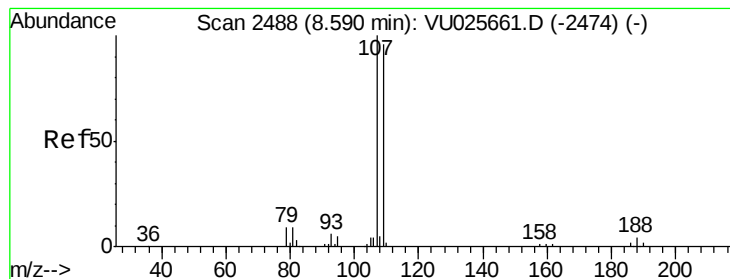
MMDadoda
8/2/2018 9:41:37 AM



#60
Dibromochloromethane
Concen: 17.817 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion: 129 Resp: 45547
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.004 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 107 Resp: 45817

Ion Ratio Lower Upper

107 100

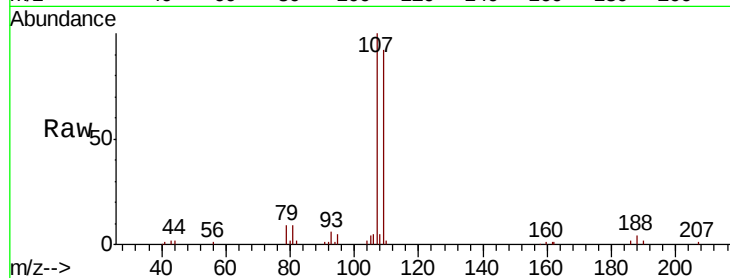
109 91.7 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

8/2/2018 9:41:37 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

30000

25000

20000

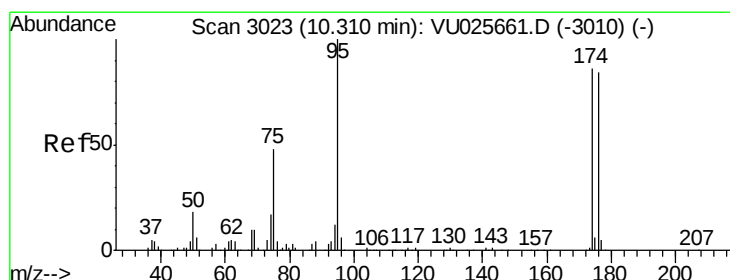
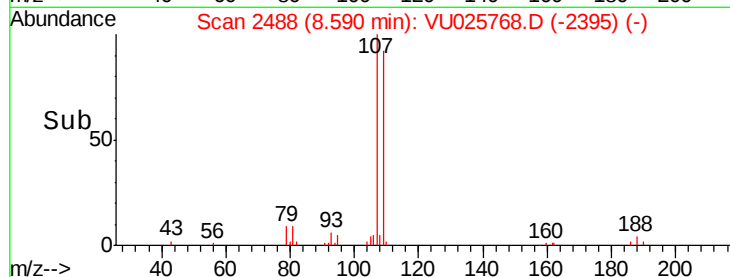
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 47.755 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

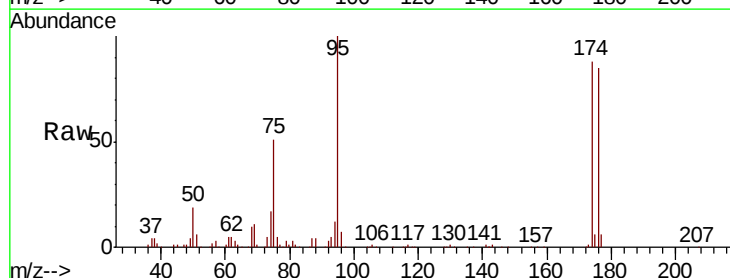
Tgt Ion: 95 Resp: 138665

Ion Ratio Lower Upper

95 100

174 88.9 0.0 172.2

176 84.8 0.0 162.6



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

120000

100000

80000

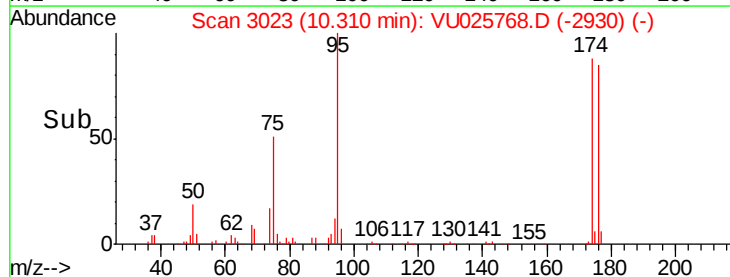
60000

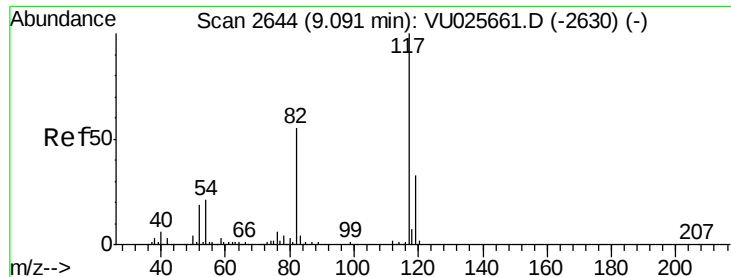
40000

20000

0

Time--> 10.25 10.30 10.35 10.40





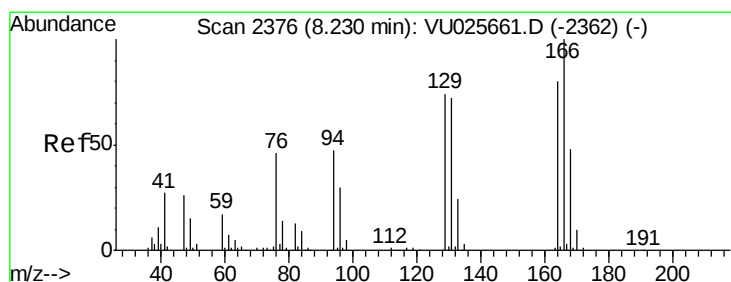
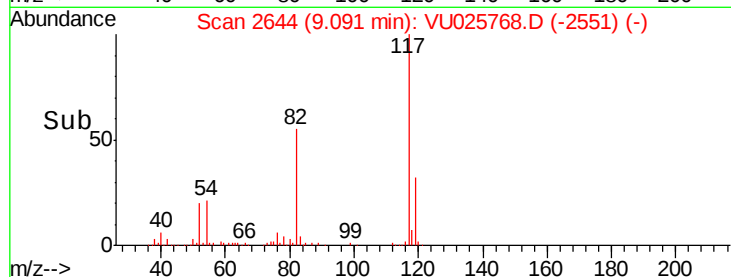
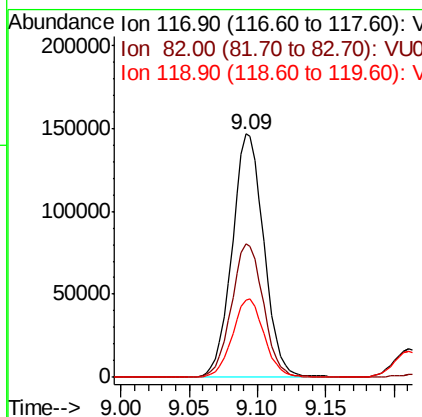
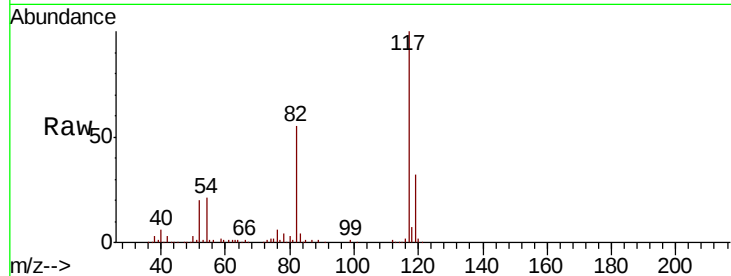
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236670		
82	55.1	46.0	69.0	
119	31.9	26.0	39.0	

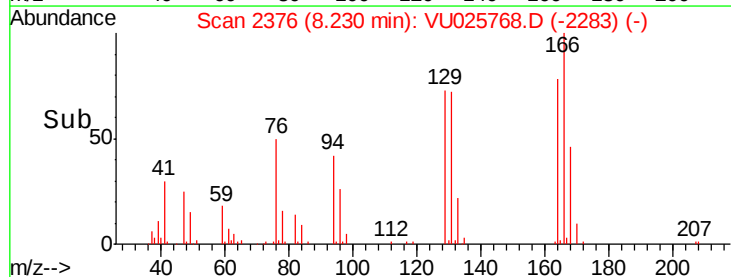
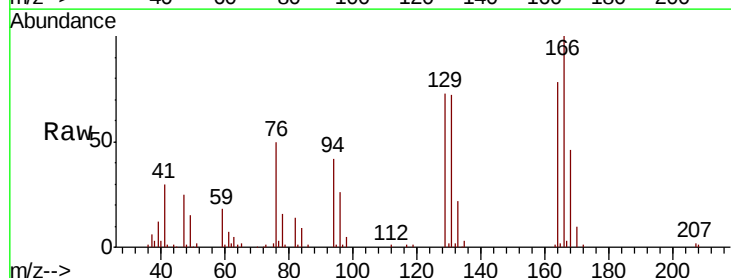
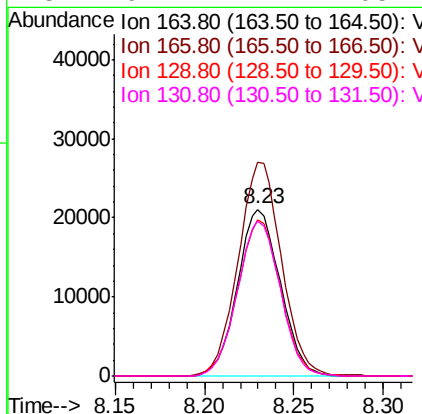
Manual Integrations
APPROVED

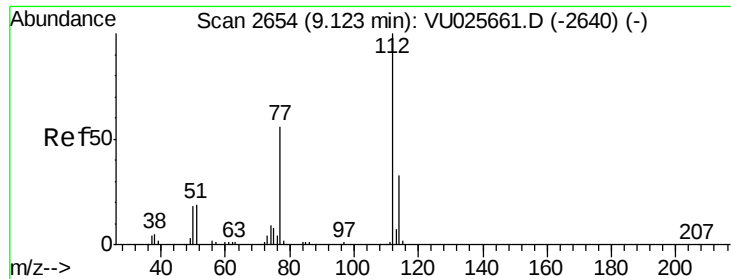
MMDadoda
8/2/2018 9:41:37 AM



#64
Tetrachloroethene
Concen: 16.985 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	35382		
166	128.0	101.1	151.7	
129	93.5	73.0	109.6	
131	92.7	72.1	108.1	





#65

Chlorobenzene

Concen: 17.727 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion:112 Resp: 108167

Ion Ratio Lower Upper

112 100

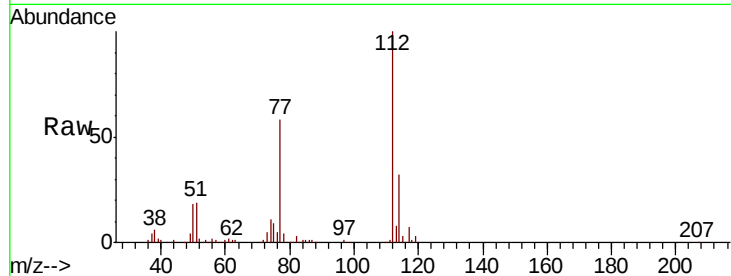
114 31.9 25.8 38.8

Manual Integrations

APPROVED

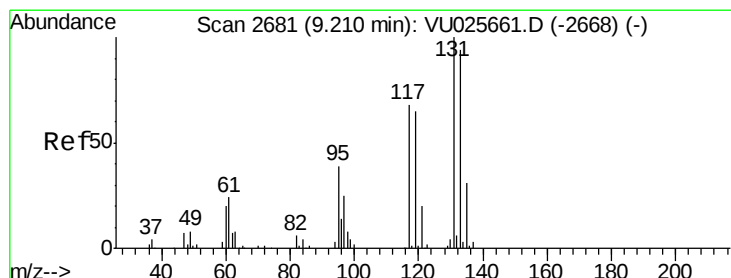
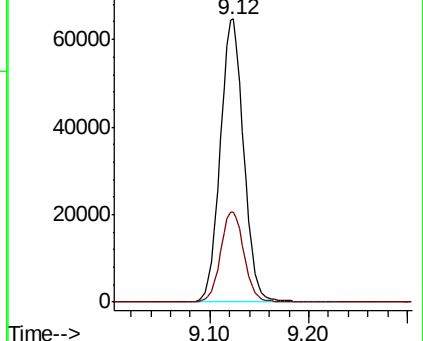
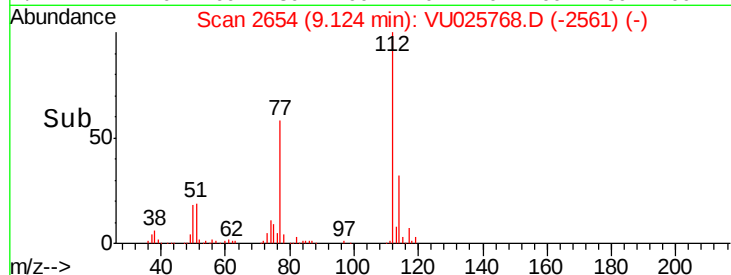
MMDadoda

8/2/2018 9:41:37 AM



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: 18.538 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

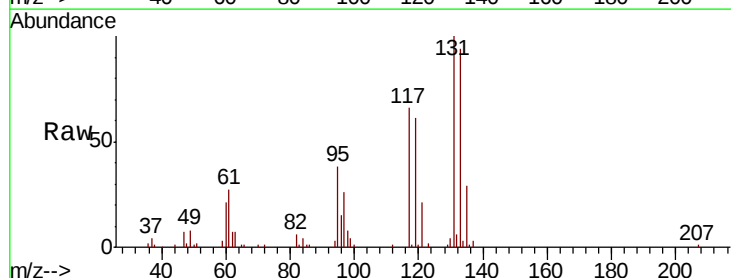
Tgt Ion:131 Resp: 40921

Ion Ratio Lower Upper

131 100

133 96.3 47.8 143.3

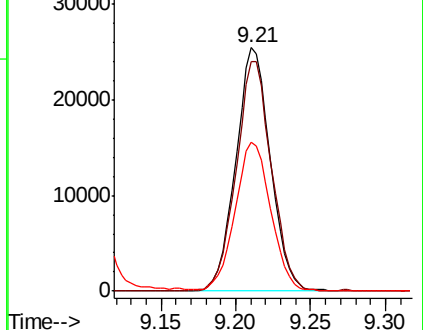
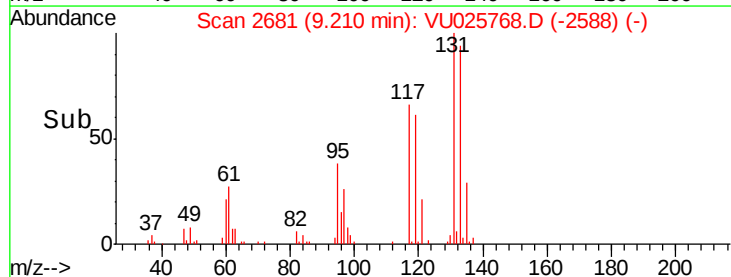
119 63.5 31.6 95.0

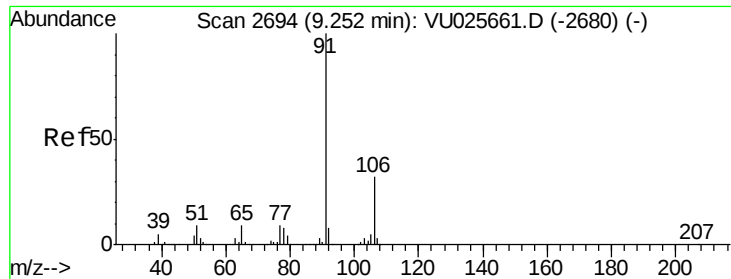


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





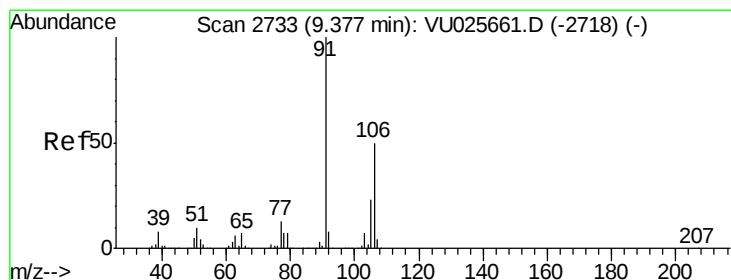
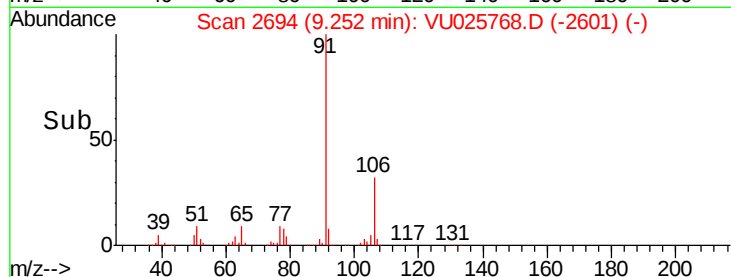
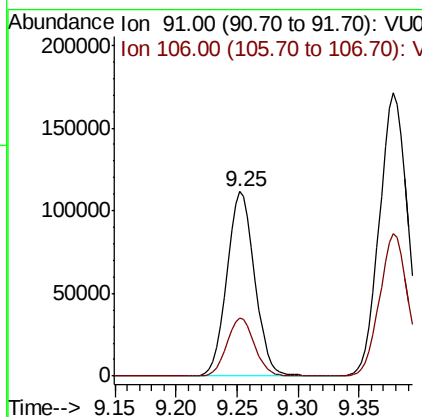
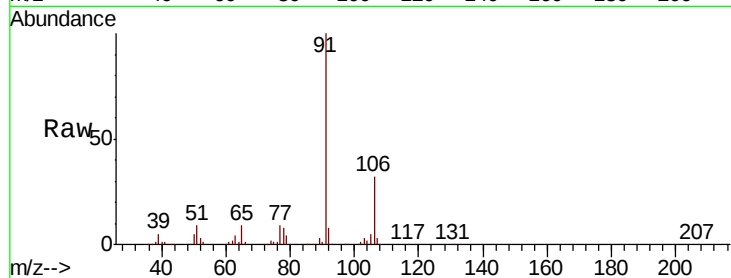
#67
Ethyl Benzene
Concen: 17.628 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion: 91 Resp: 178174
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

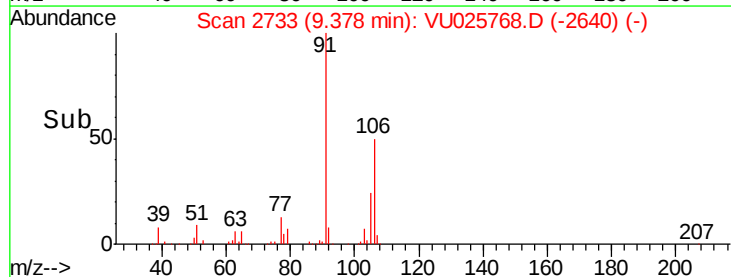
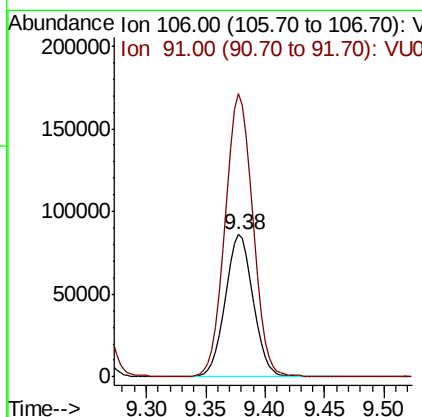
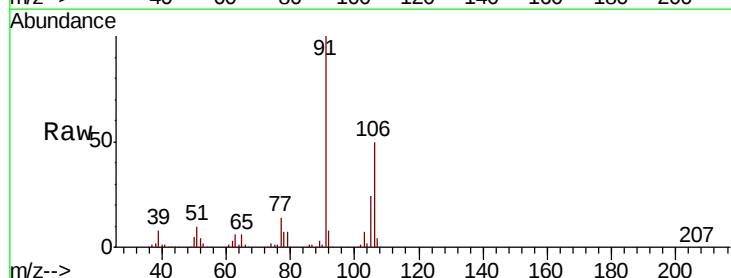
Manual Integrations
APPROVED

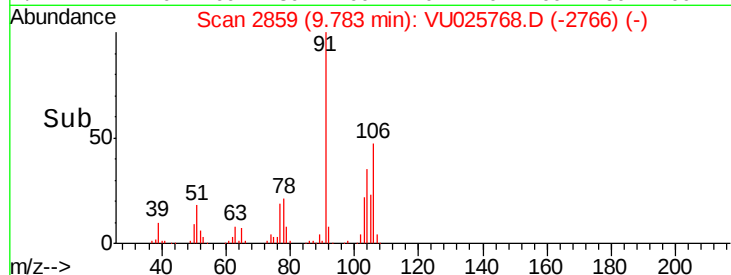
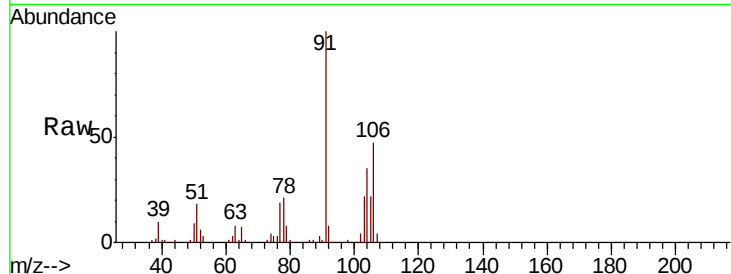
MMDadoda
8/2/2018 9:41:37 AM



#68
m/p-Xylenes
Concen: 36.143 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion: 106 Resp: 140252
Ion Ratio Lower Upper
106 100
91 198.1 162.3 243.5





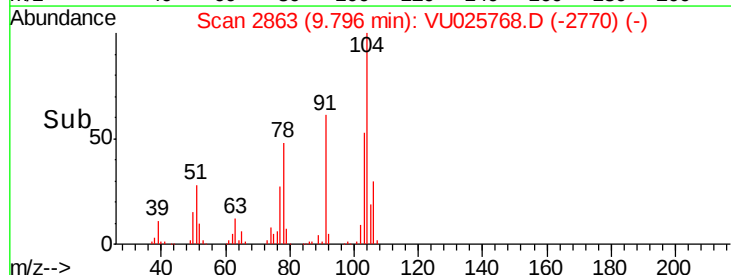
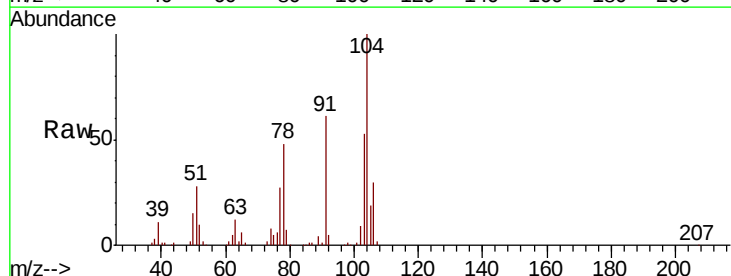
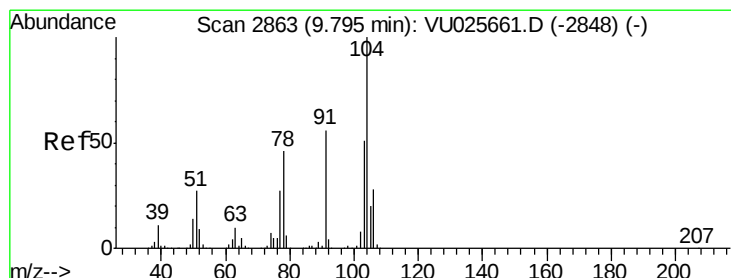
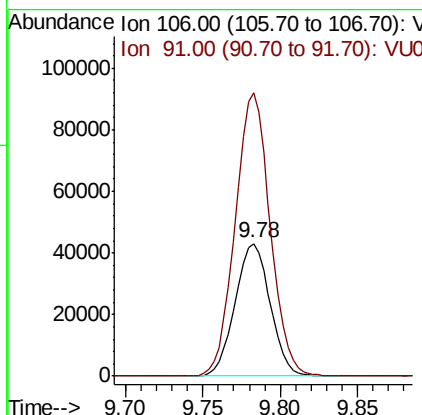
#69
o-Xylene
Concen: 17.872 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tot Ion:106 Resp: 67780
Ion Ratio Lower Upper
106 100
91 212.5 105.3 315.8

Instrument :
MSVOA_U
ClientSampled :
VU0801WBSD03

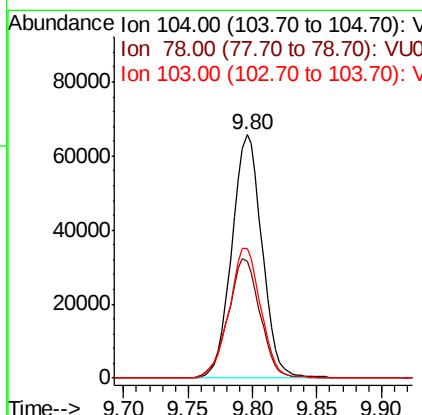
Manual Integrations
APPROVED

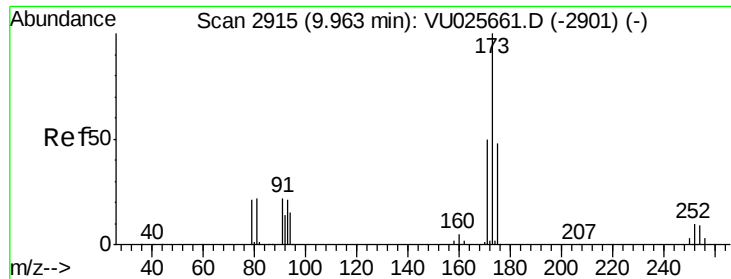
MMDadoda
8/2/2018 9:41:37 AM



#70
Styrene
Concen: 17.500 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion:104 Resp: 107204
Ion Ratio Lower Upper
104 100
78 52.0 41.6 62.4
103 56.0 44.6 66.8





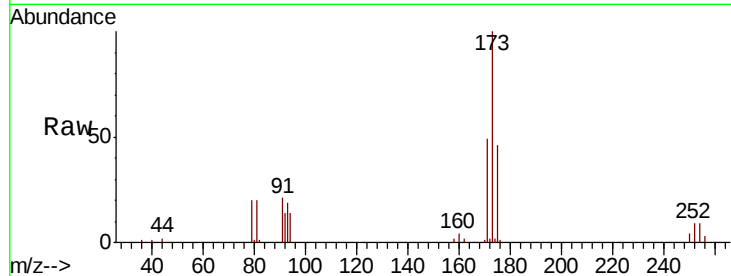
#71
Bromoform
Concen: 18.792 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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8/2/2018 9:41:37 AM

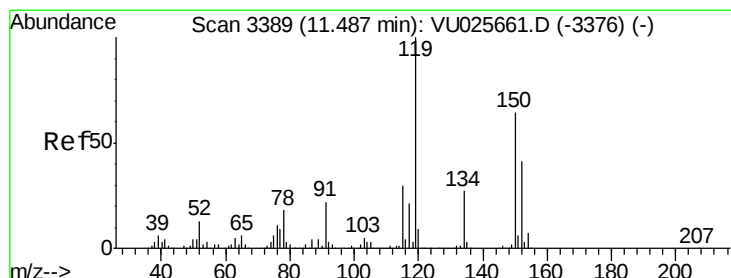
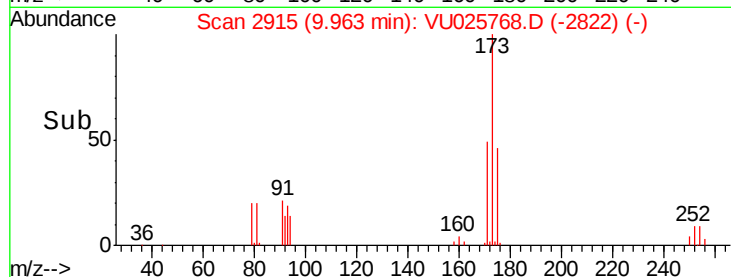
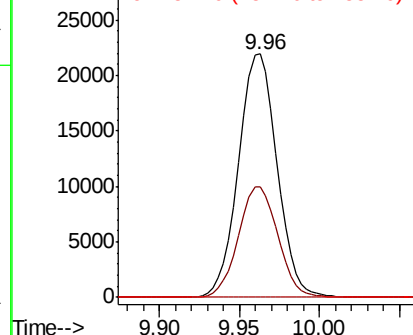


Abundance

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: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

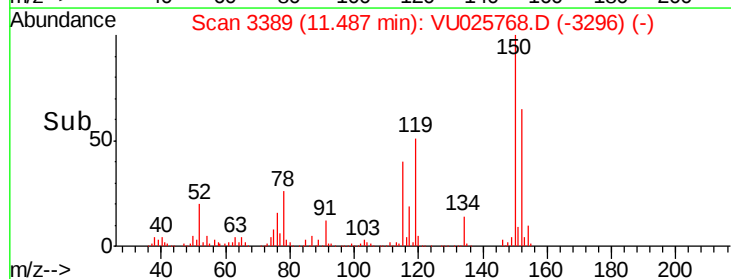
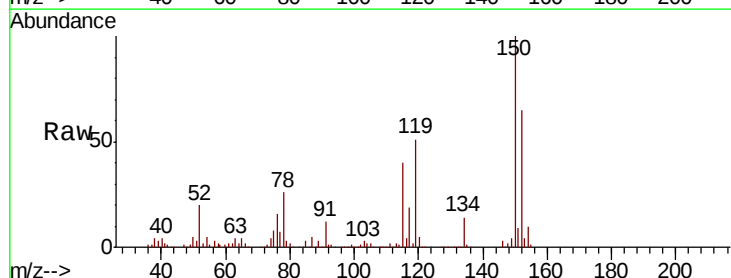
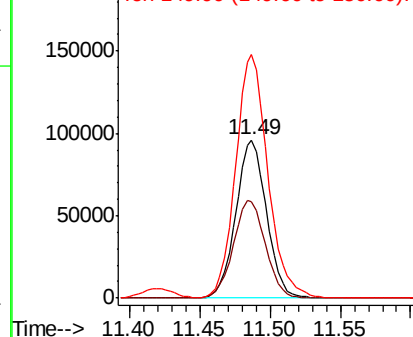
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	40.1	120.3
150	162.4	0.0	351.4

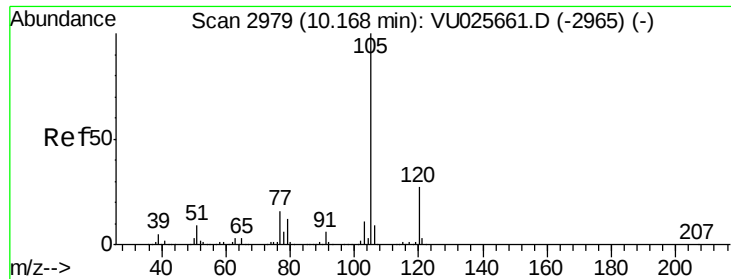
Abundance

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: 18.190 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 105 Resp: 180625

Ion Ratio Lower Upper

105 100

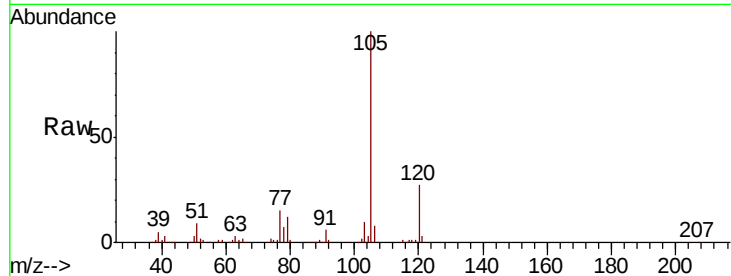
120 26.4 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

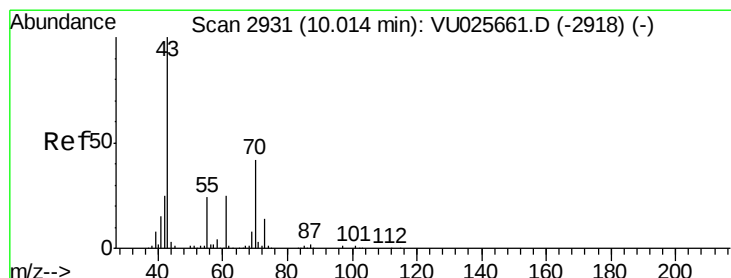
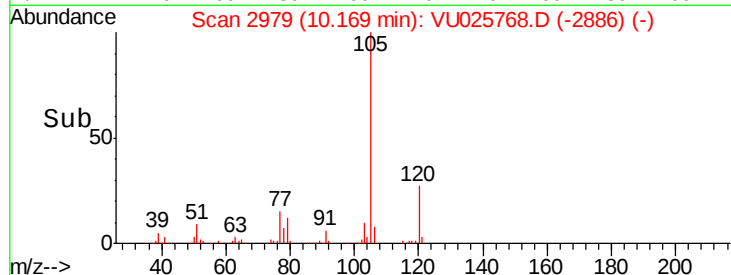
10.17

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.378 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion: 43 Resp: 78554

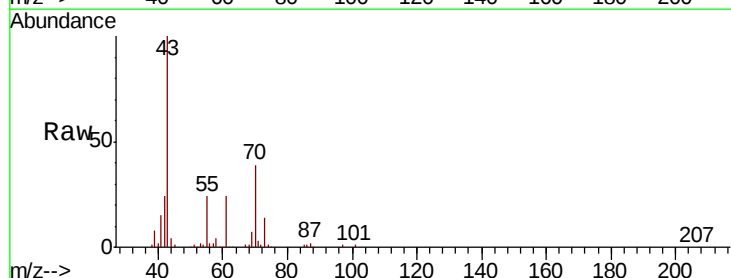
Ion Ratio Lower Upper

43 100

70 40.5 33.4 50.2

55 23.9 19.0 28.6

61 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

80000

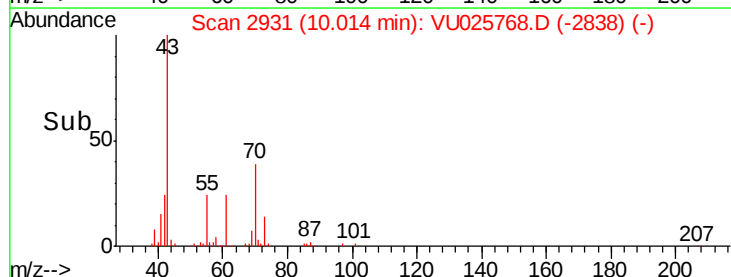
60000

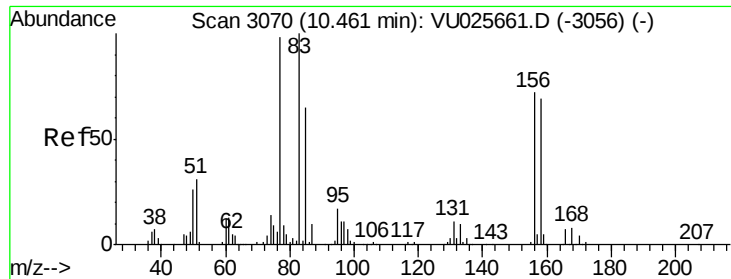
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.998 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 83 Resp: 65237

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

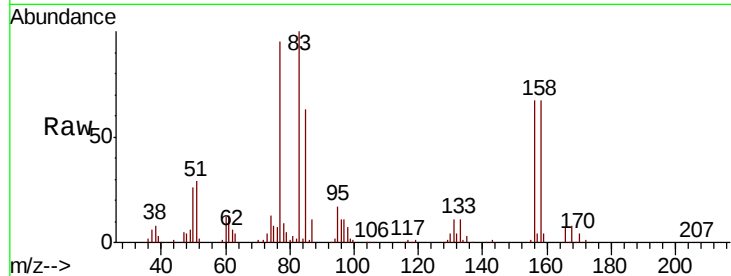
85 64.5 31.6 94.8

Manual Integrations

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MMDadoda

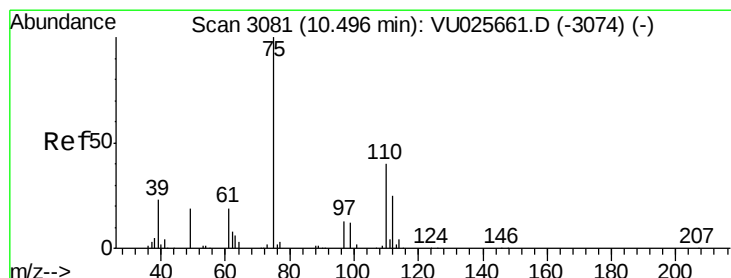
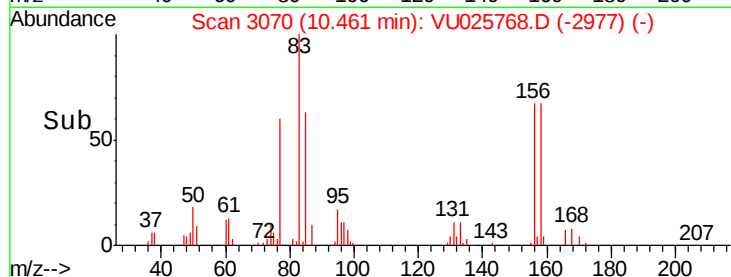
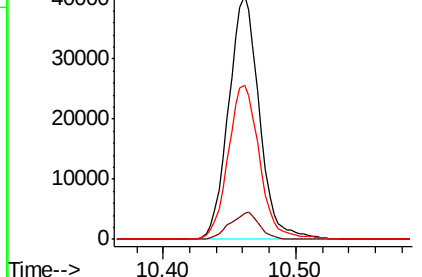
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Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)



#76

1,2,3-Trichloropropane

Concen: 19.537 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025768.D

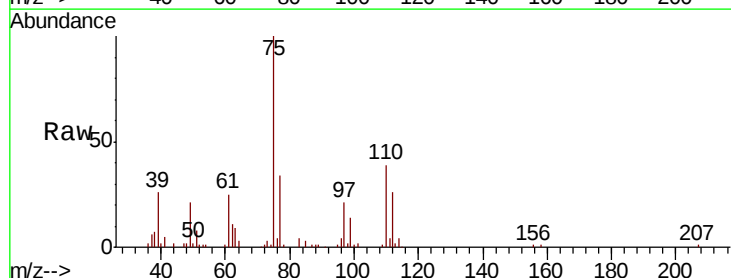
Acq: 01 Aug 2018 11:44

Tgt Ion: 75 Resp: 62626

Ion Ratio Lower Upper

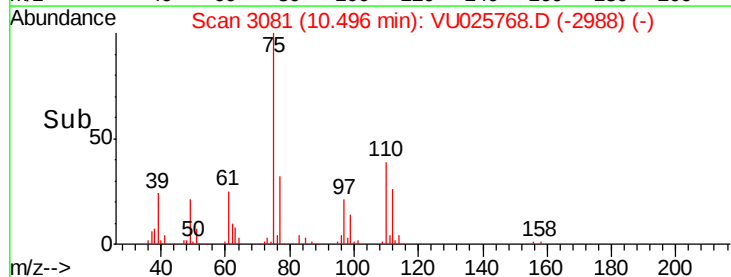
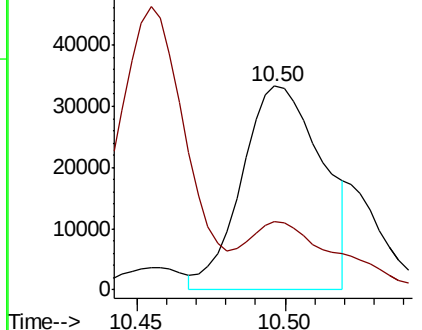
75 100

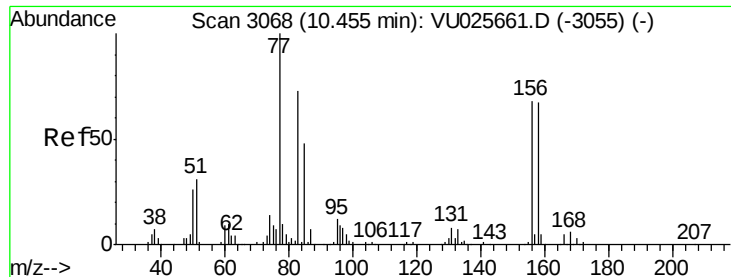
77 37.1 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)





#77

Bromobenzene

Concen: 17.977 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

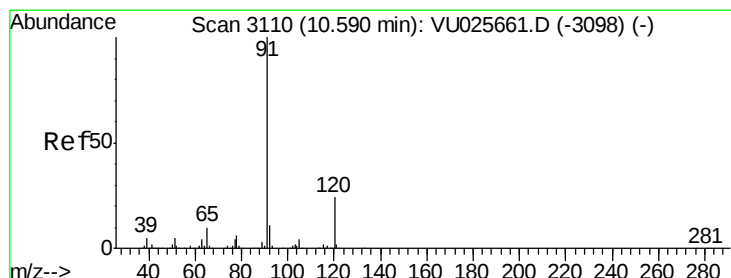
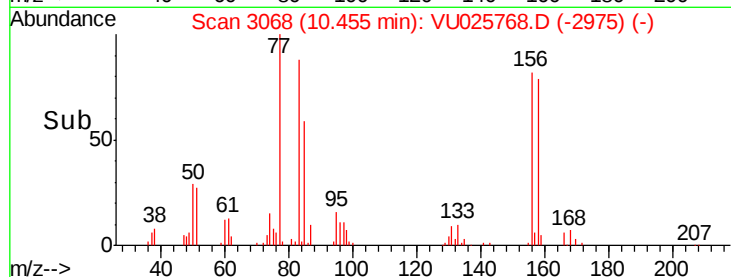
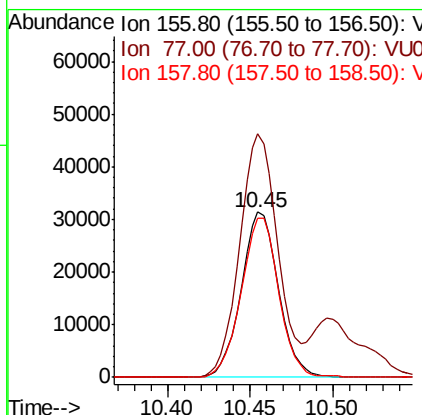
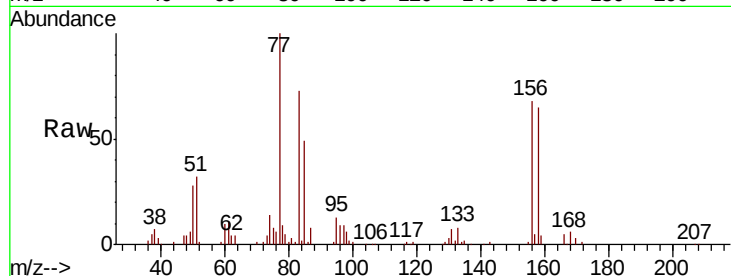
ClientSampleId :

VU0801WBSD03

Tot Ion:	156	Resp:	49237
Ion Ratio	Lower	Upper	
156	100		
77	150.0	73.8	221.4
158	97.0	48.0	144.0

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#78

n-propylbenzene

Concen: 17.985 ug/l

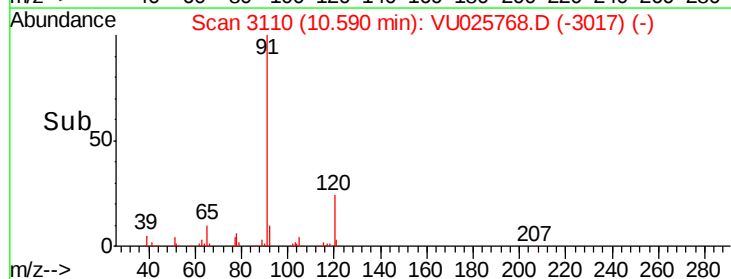
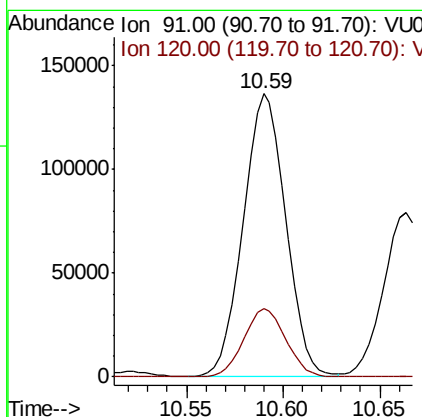
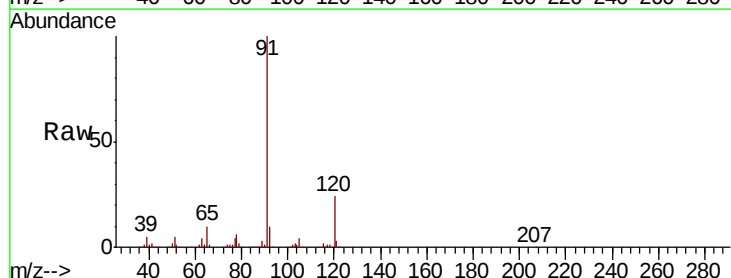
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion:	91	Resp:	208444
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.3





#79

2-Chlorotoluene

Concen: 18.281 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion: 91 Resp: 124103

Ion Ratio Lower Upper

91 100

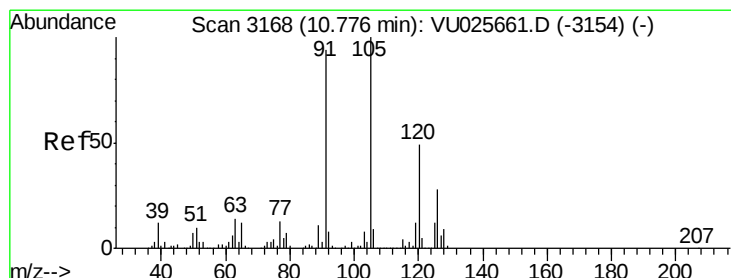
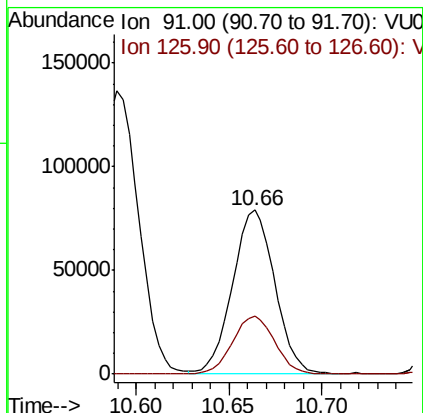
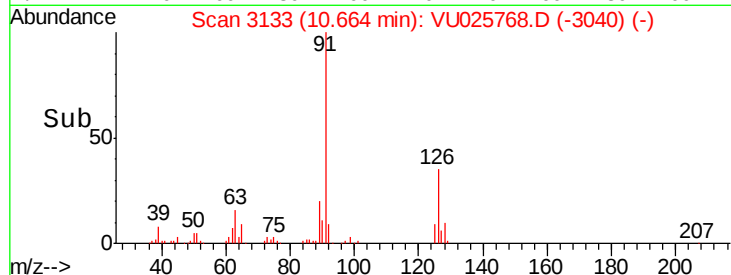
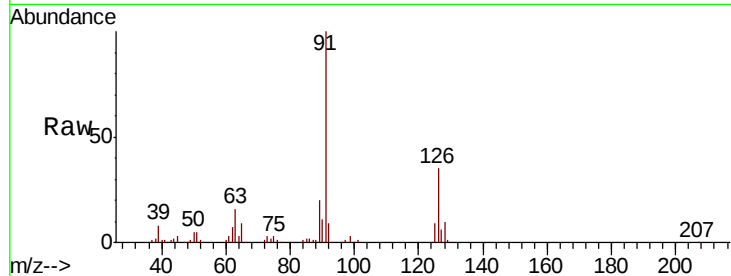
126 35.7 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 18.278 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025768.D

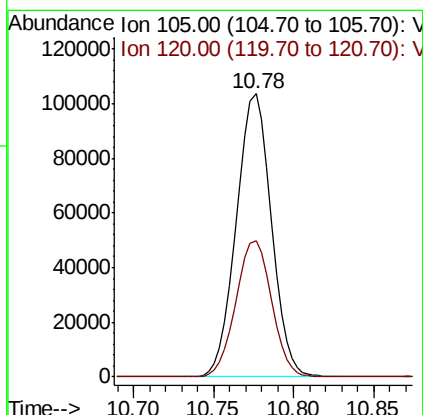
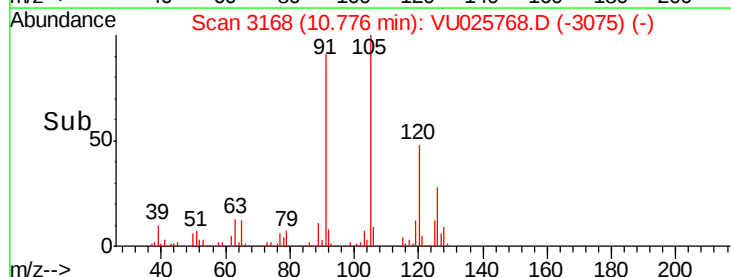
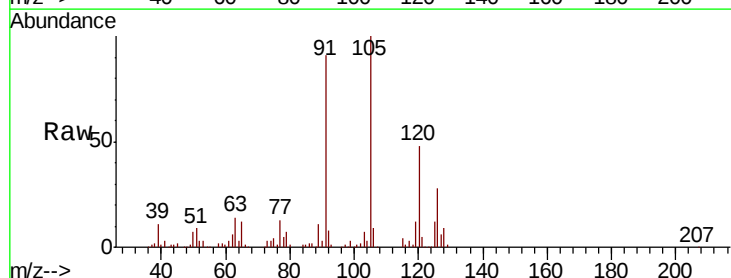
Acq: 01 Aug 2018 11:44

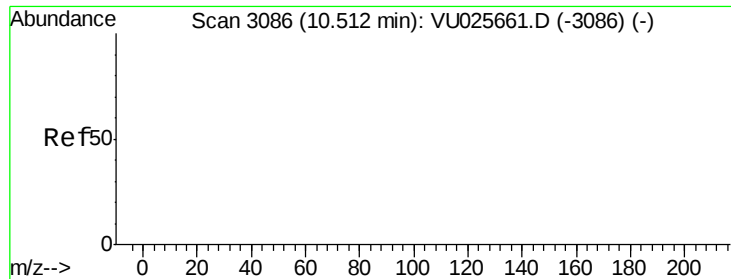
Tgt Ion: 105 Resp: 154145

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 14.256 ug/l m

RT: 10.52 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

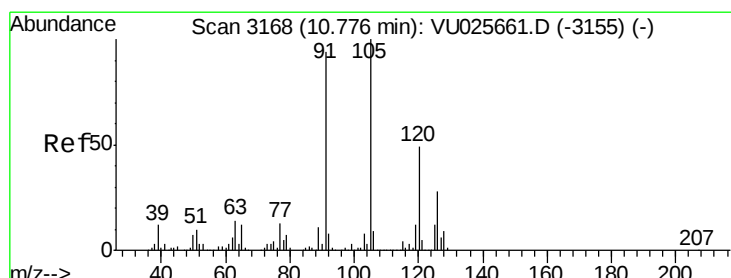
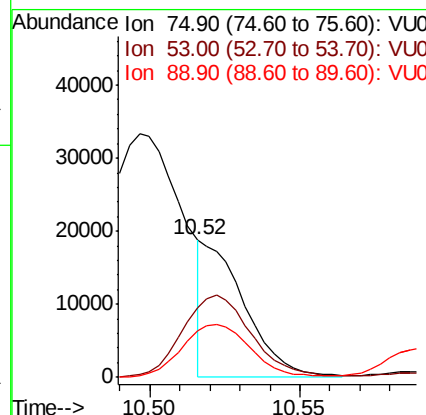
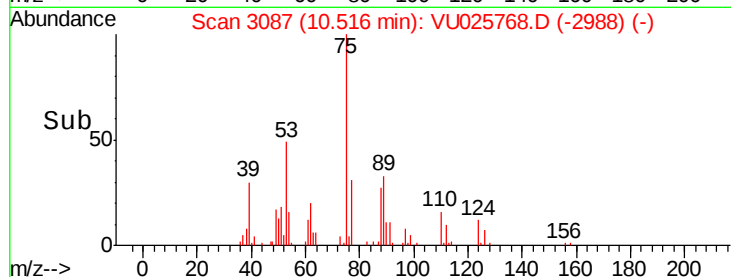
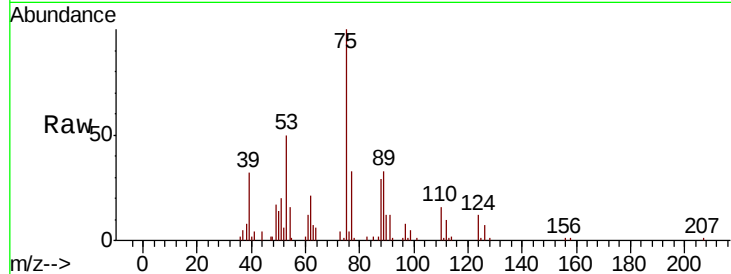
Instrument :
MSVOA_U

ClientSampleId :
VU0801WBSD03

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

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#82

4-Chlorotoluene

Concen: 18.165 ug/l

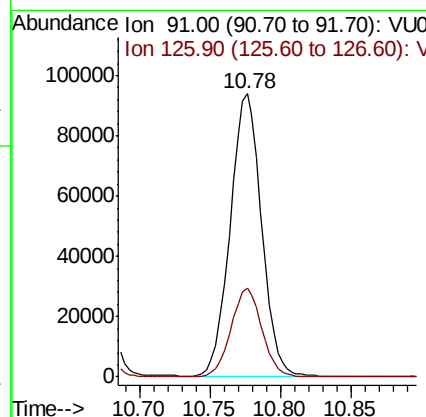
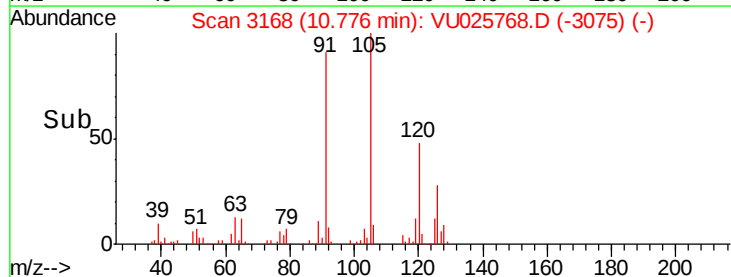
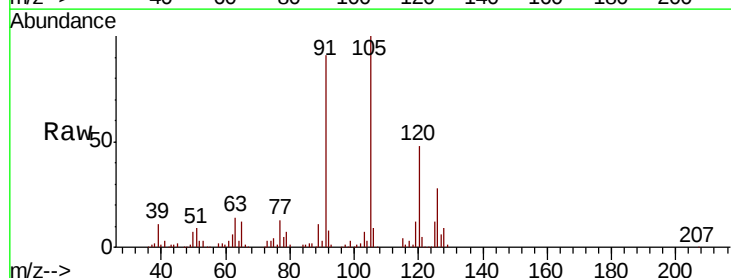
RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.9





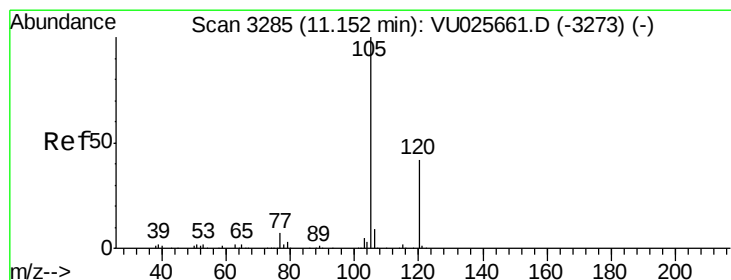
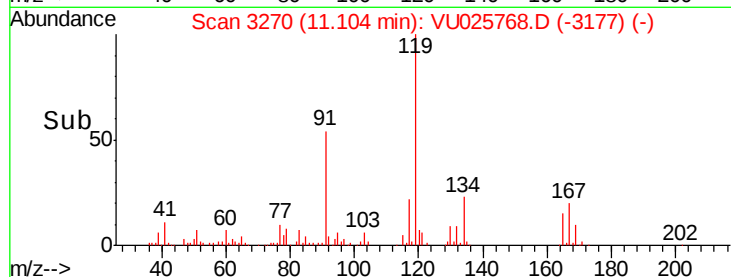
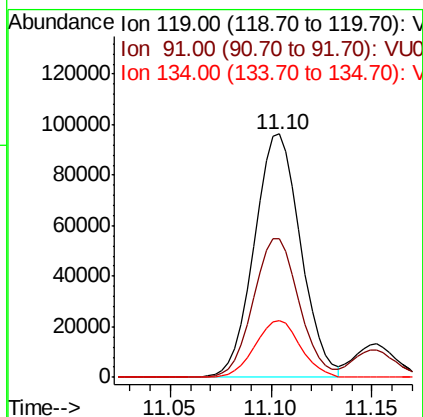
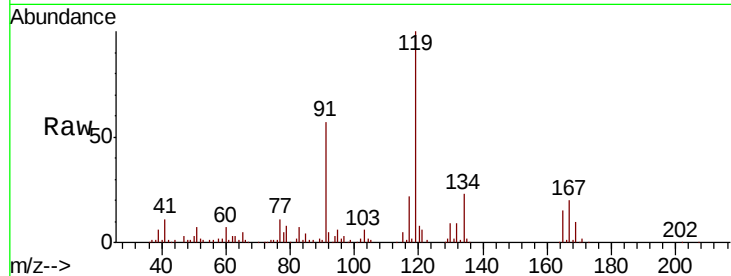
#83
tert-Butylbenzene
Concen: 18.413 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	29.7	89.1
134	23.0	11.5	34.5

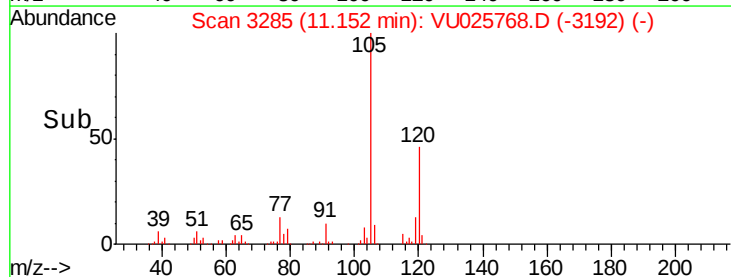
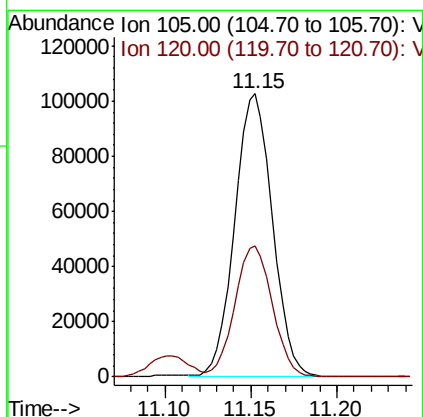
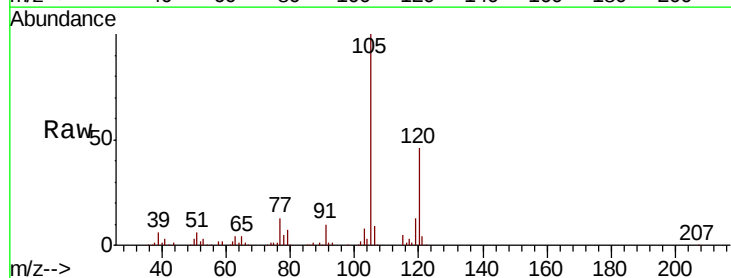
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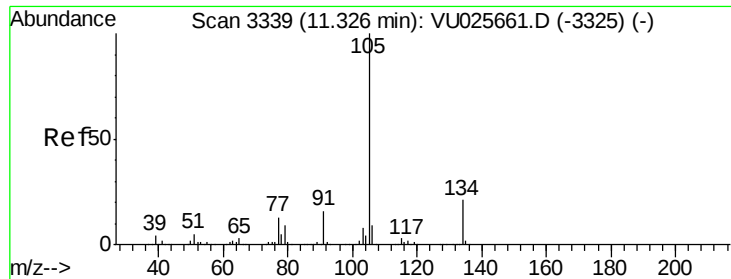
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.276 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 18.026 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

ClientSampleId :

VU0801WBSD03

Tot Ion:105 Resp: 184410

Ion Ratio Lower Upper

105 100

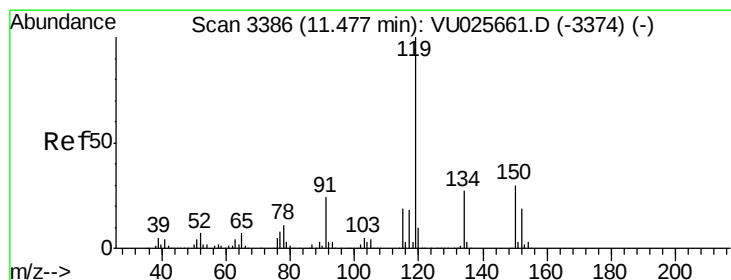
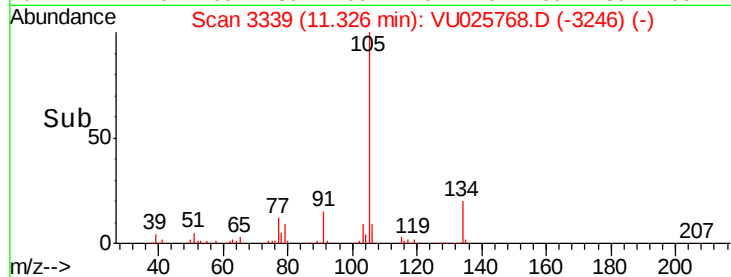
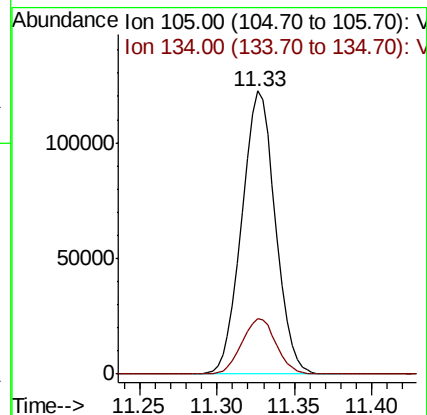
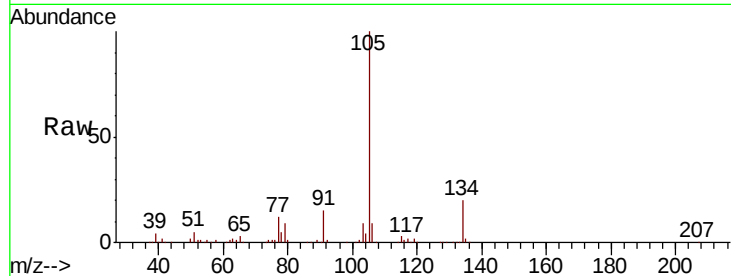
134 20.1 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 17.779 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

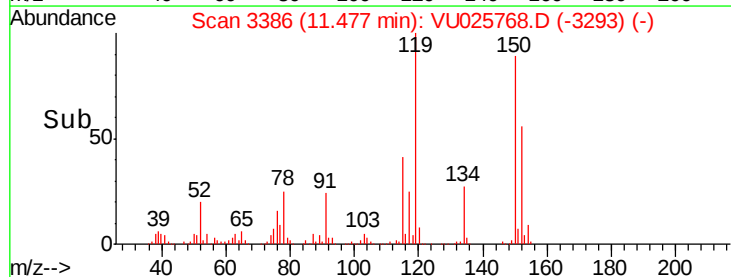
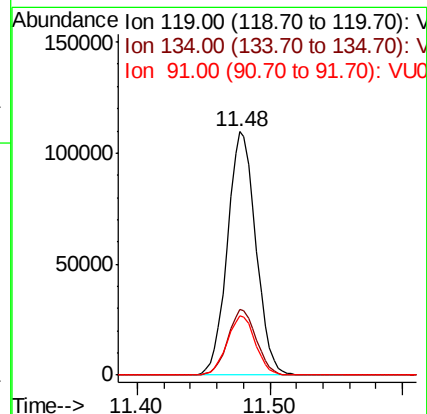
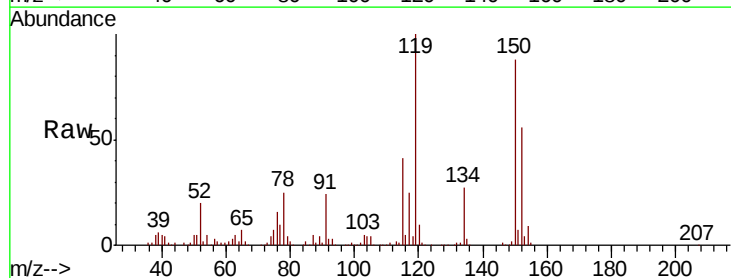
Tgt Ion:119 Resp: 162857

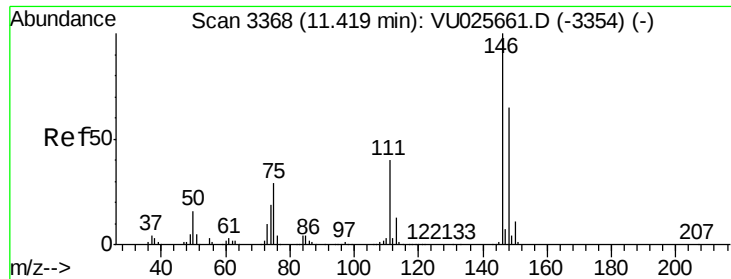
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 24.3 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 17.609 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Instrument :

MSVOA_U

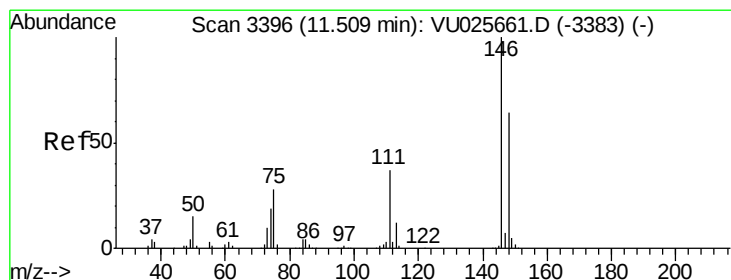
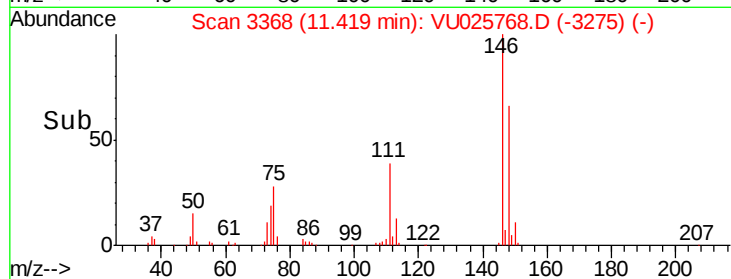
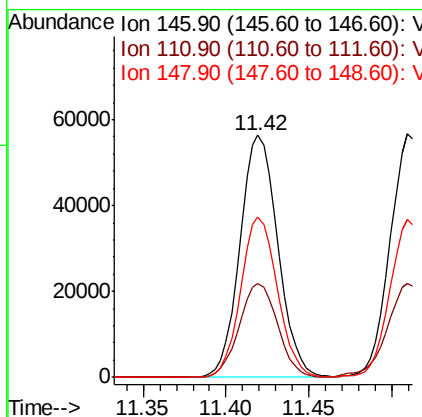
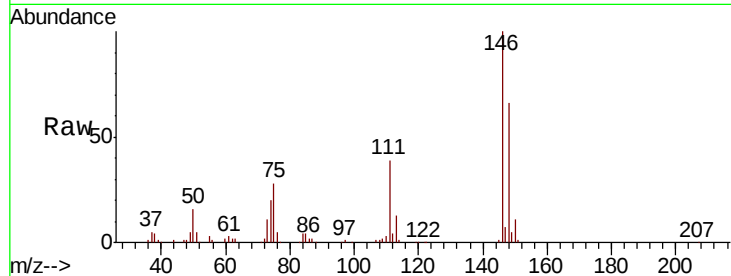
ClientSampleId :

VU0801WBSD03

Tot Ion:	146	Resp:	89525
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.7	59.1
148	64.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 16.998 ug/l

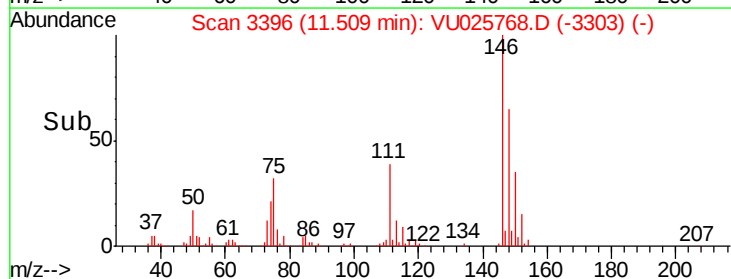
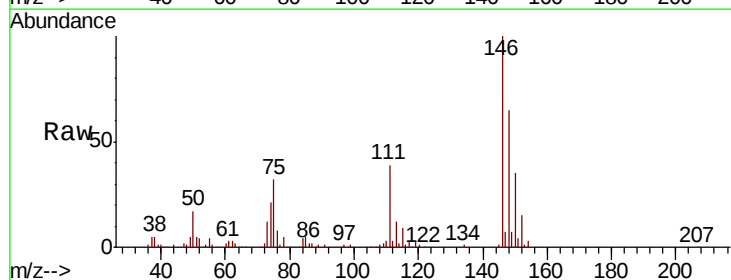
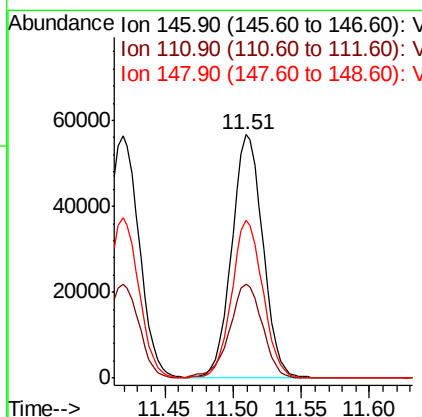
RT: 11.51 min Scan# 3396

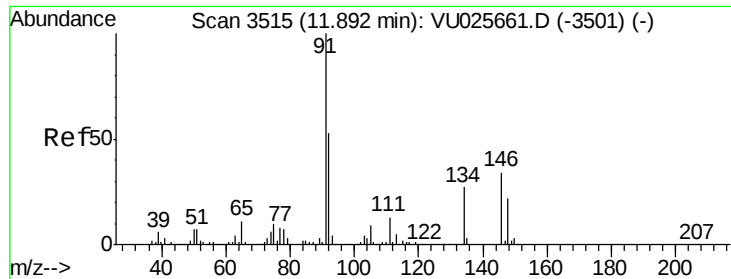
Delta R.T. 0.00 min

Lab File: VU025768.D

Acq: 01 Aug 2018 11:44

Tgt Ion:	146	Resp:	90082
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.4	58.1
148	64.6	31.7	95.1





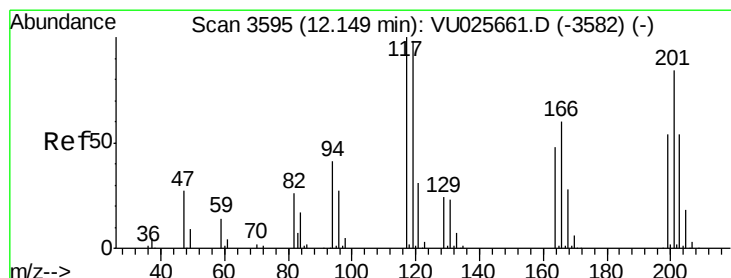
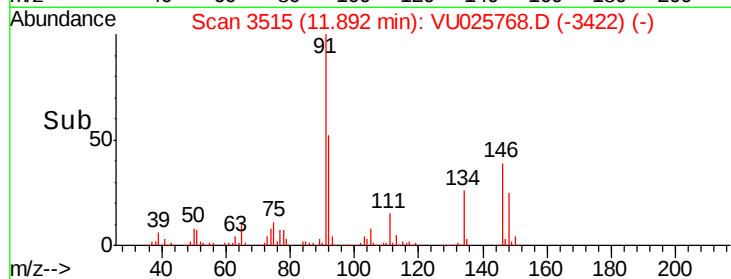
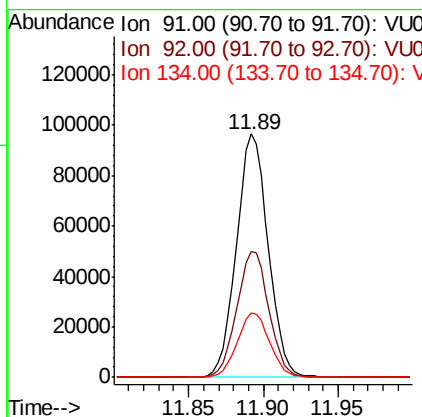
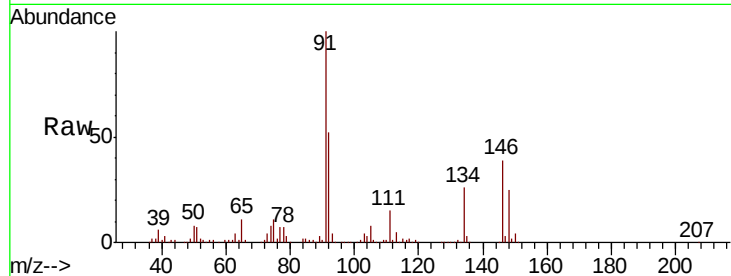
#89
n-Butylbenzene
Concen: 16.864 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.5	79.5
134	26.9	13.6	40.7

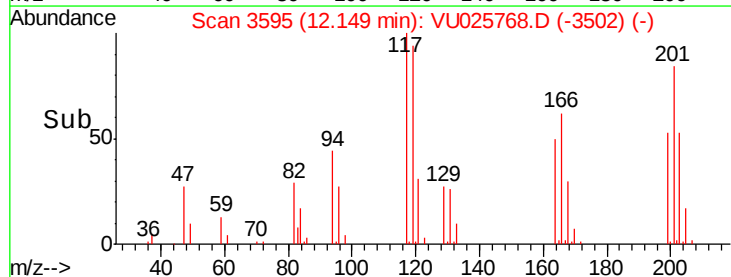
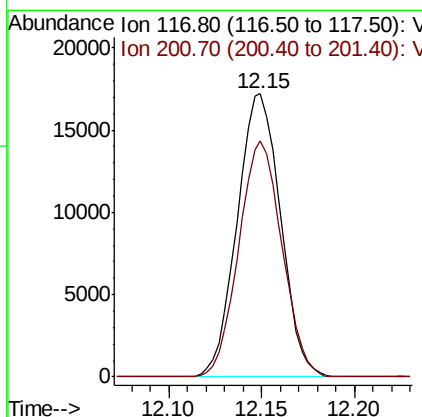
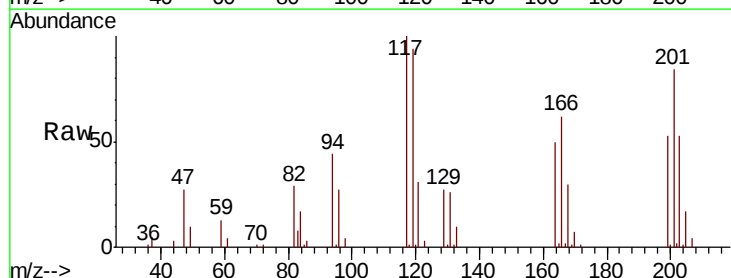
Manual Integrations
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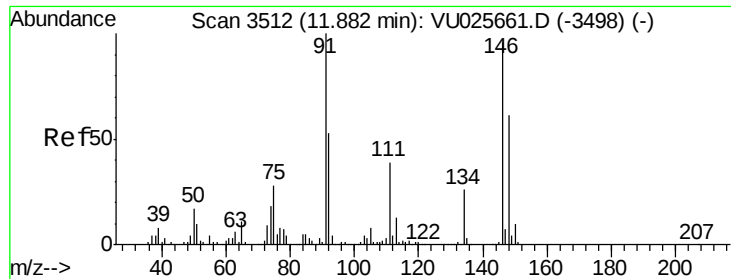
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#90
Hexachloroethane
Concen: 17.190 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	42.5	127.6





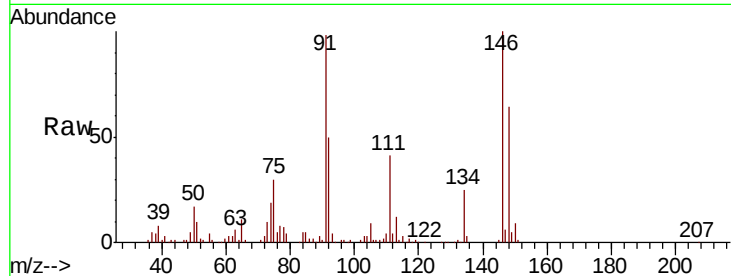
#91
 1,2-Dichlorobenzene
 Concen: 18.084 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

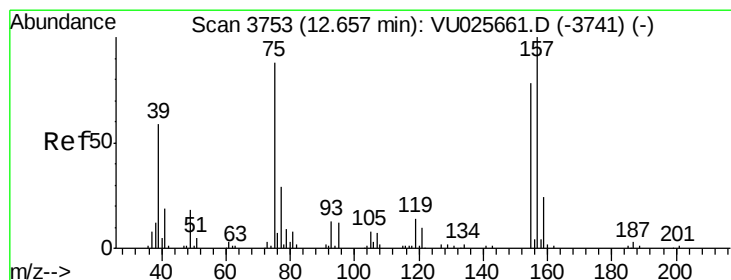
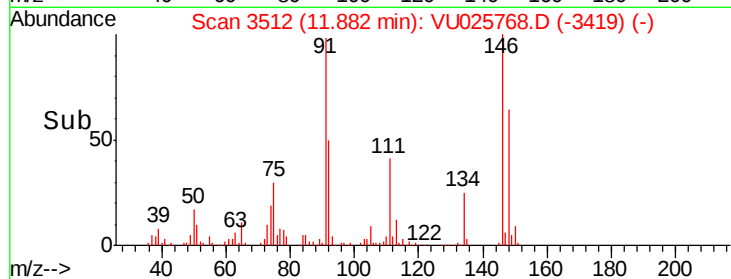
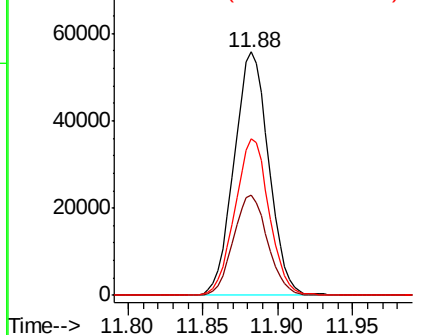
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	63.6	31.5	94.5

Manual Integrations
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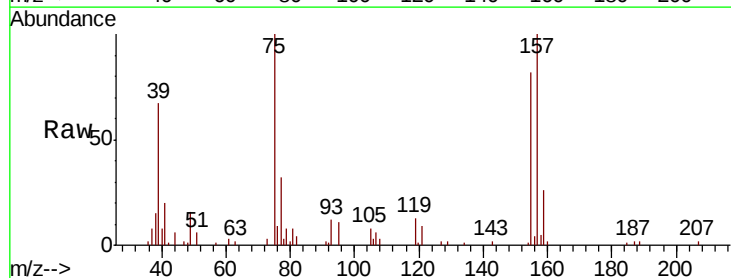


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

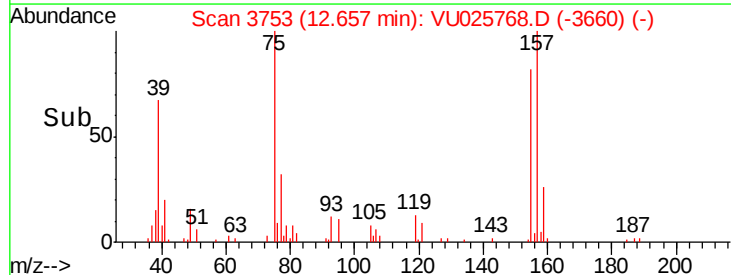
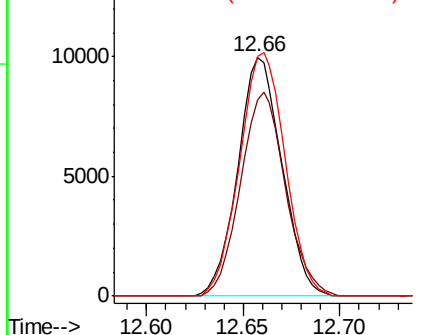


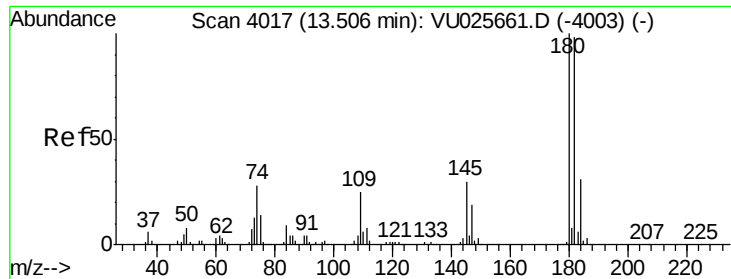
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.460 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	44.5	133.3
157	105.3	57.0	170.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





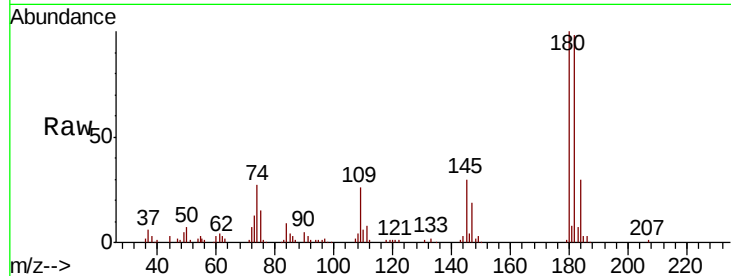
#93
 1,2,4-Trichlorobenzene
 Concen: 17.832 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD03

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.9
145	28.4	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:37 AM

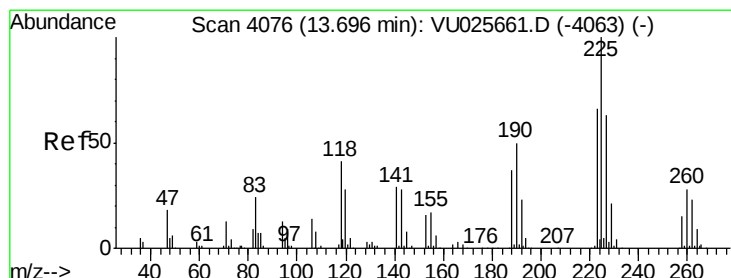
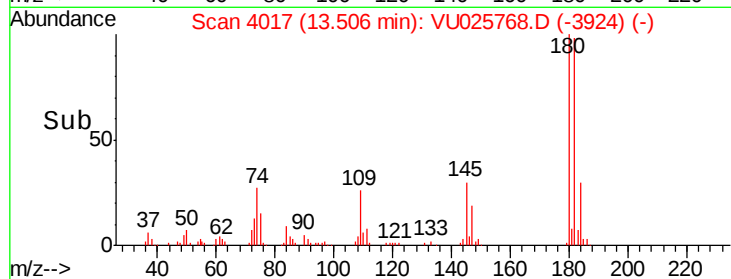
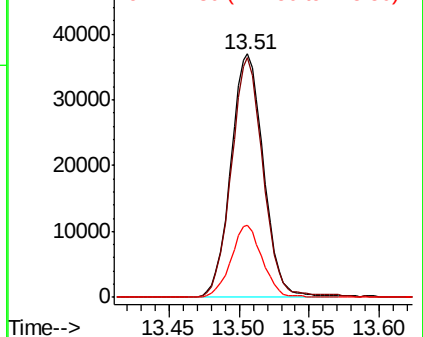


Abundance

Ion 179.80 (179.50 to 180.50): V

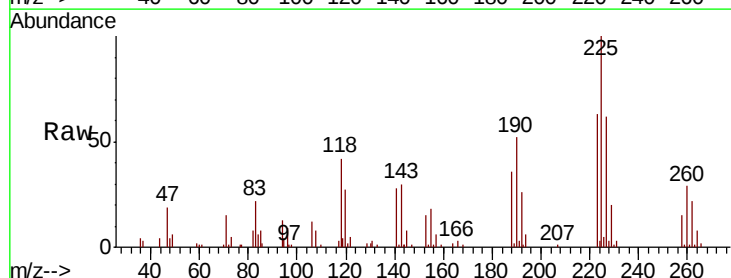
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 16.188 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025768.D
 Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	62.2	32.3	96.9

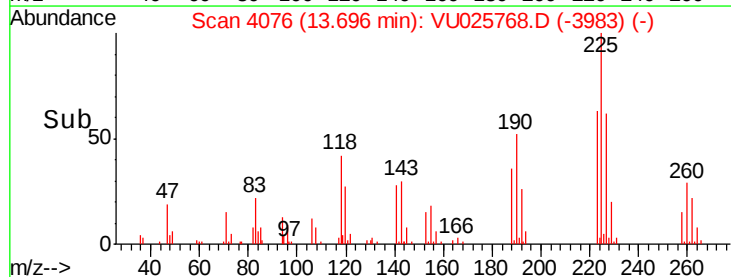
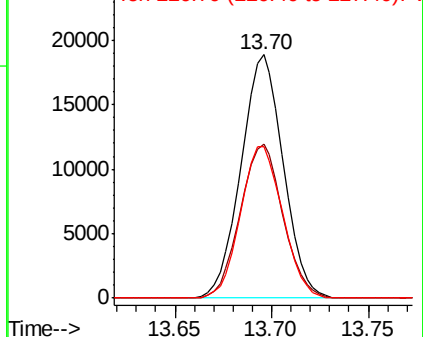


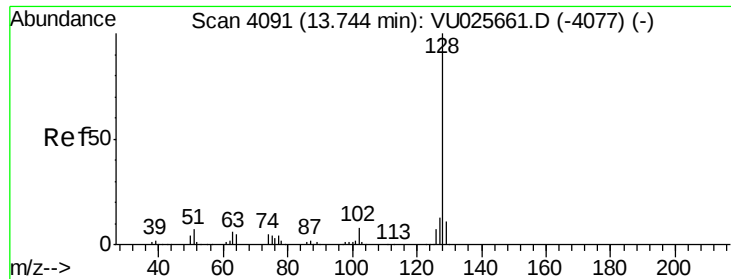
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





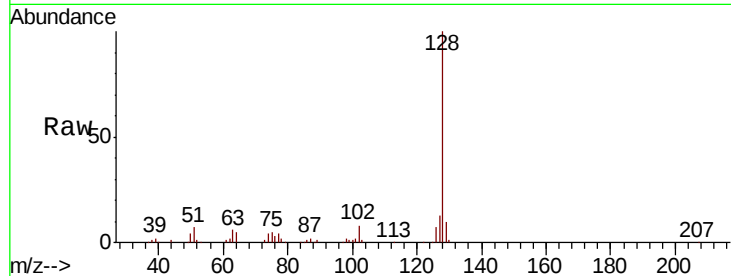
#95
Naphthalene
Concen: 18.185 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Instrument :
MSVOA_U
ClientSampleId :
VU0801WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187635		
127	12.7	10.5	15.7	
129	10.7	8.3	12.5	

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:41:37 AM

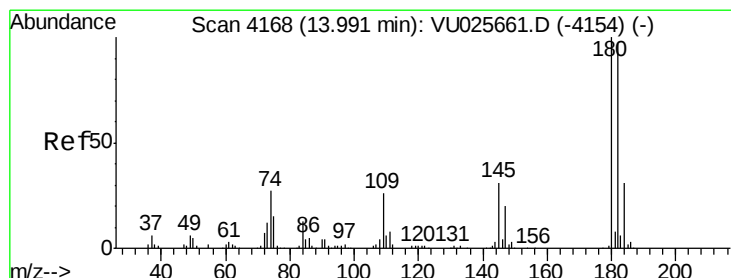
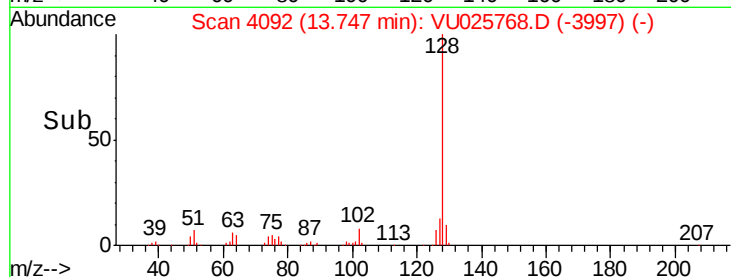
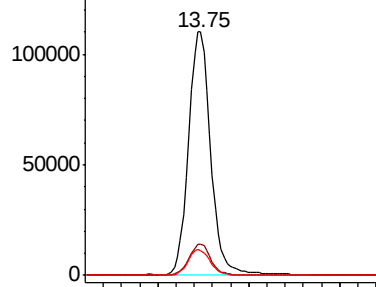


Abundance

Ion 128.00 (127.70 to 128.70): V

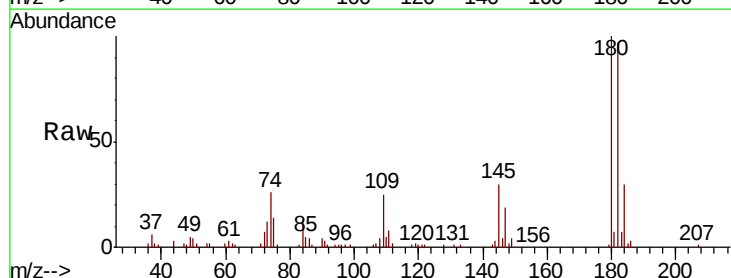
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.526 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025768.D
Acq: 01 Aug 2018 11:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62155		
182	95.4	47.8	143.3	
145	31.3	15.6	46.8	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

