

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025213.D
 Acq On : 05 Jul 2018 14:12
 Operator : MD/SY
 Sample : J3808-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 05:12:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	223805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	335810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	325120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	180367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	166447	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
35) Dibromofluoromethane	4.89	113	121009	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	
50) Toluene-d8	7.57	98	493857	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	10.31	95	188851	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1910	0.67	ug/l	89
4) Vinyl Chloride	1.40	62	5674217	1922.48	ug/l	97
5) Bromomethane	1.64	94	760	0.53	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	580	0.21	ug/l #	41
10) Methyl Iodide	2.42	142	741	5.57	ug/l #	79
11) Tert butyl alcohol	2.82	59	6652	7.49	ug/l #	94
12) 1,1-Dichloroethene	2.29	96	219428	86.11	ug/l	96
13) Acrolein	2.19	56	151	0.32	ug/l #	13
16) Acetone	2.32	43	11292	5.75	ug/l	96
17) Carbon Disulfide	2.48	76	9068	1.11	ug/l	99
18) Methyl Acetate	2.62	43	924	0.22	ug/l #	53
20) Methylene Chloride	2.71	84	5109	1.66	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	506619	180.50	ug/l	98
24) 1,1-Dichloroethane	3.45	63	44553	8.26	ug/l	99
25) 2-Butanone	4.25	43	1480	0.56	ug/l #	1
30) Chloroform	4.68	83	58335	10.68	ug/l	97
31) Cyclohexane	4.99	56	12592	0.68	ug/l #	64
36) 1,1-Dichloropropene	4.99	75	16537	4.19	ug/l #	52
38) Carbon Tetrachloride	4.99	117	21631	4.98	ug/l #	16
39) Methylcyclohexane	6.23	83	642445	130.46	ug/l #	1
40) Benzene	5.40	78	230267	20.48	ug/l	100
41) Methacrylonitrile	4.65	41	601	0.26	ug/l #	43
42) 1,2-Dichloroethane	5.41	62	11242	2.63	ug/l	99
45) 1,2-Dichloropropane	6.22	63	155062	51.68	ug/l #	1
49) 1,4-Dioxane	6.63	88	163	2.30	ug/l #	12
51) 4-Methyl-2-Pentanone	7.46	43	8984	1.92	ug/l	98
52) Toluene	7.64	92	174448	24.12	ug/l	99
53) t-1,3-Dichloropropene	7.64	75	2133	0.45	ug/l #	1
55) 1,1,2-Trichloroethane	8.07	97	47215	16.06	ug/l	96
59) 2-Hexanone	8.17	43	39377	10.33	ug/l	76
60) Dibromochloromethane	8.23	129	6755	1.84	ug/l #	11
64) Tetrachloroethene	8.23	164	7183	2.32	ug/l	97
65) Chlorobenzene	9.12	112	192747	23.21	ug/l	97
67) Ethyl Benzene	9.26	91	40268	2.77	ug/l	99

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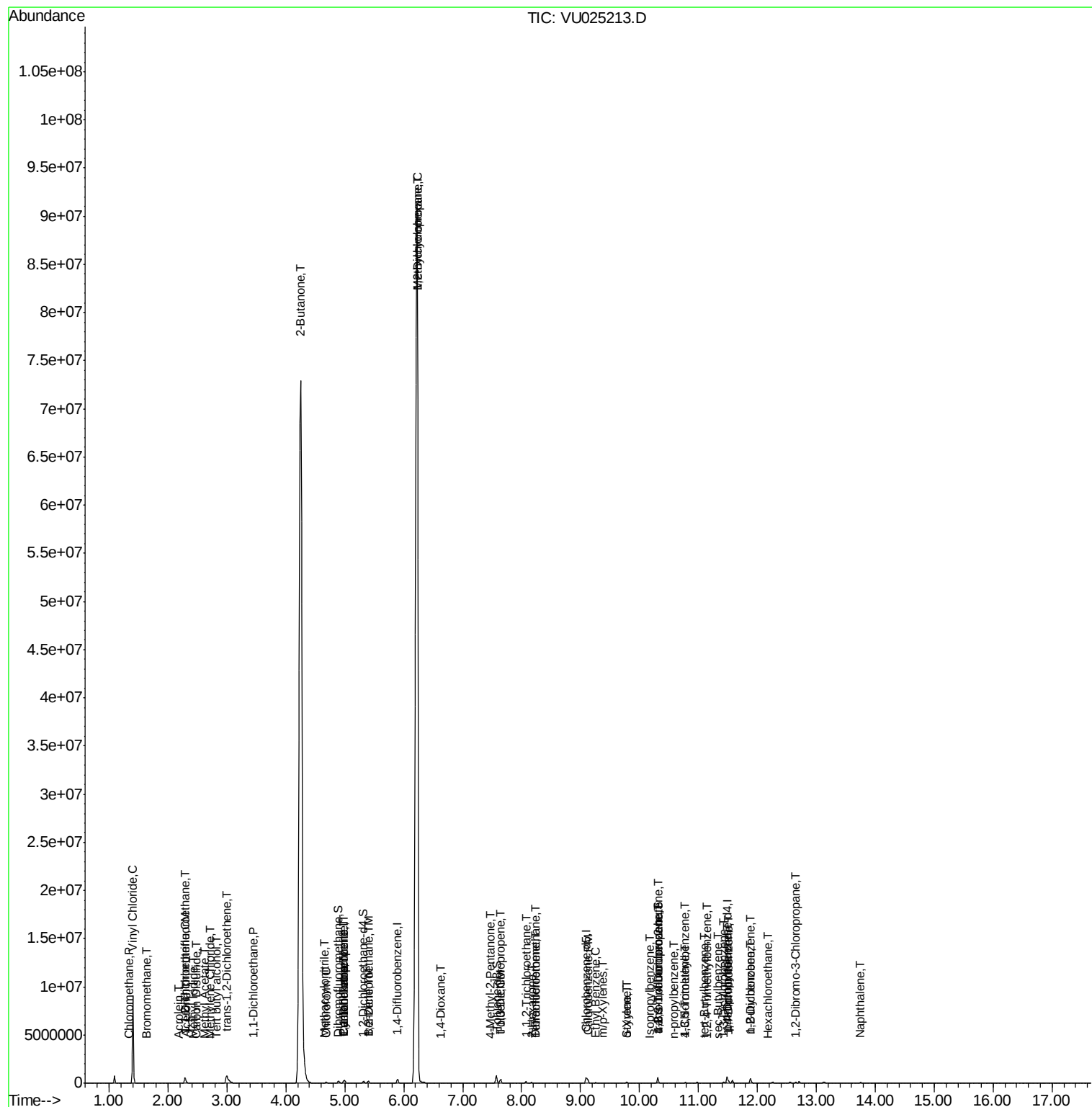
68) m/p-Xylenes	9.38	106	7894	1.41	ug/l	92
69) o-Xylene	9.78	106	23266	4.20	ug/l	97
70) Styrene	9.80	104	5737	0.63	ug/l #	34
73) Isopropylbenzene	10.17	105	9613	0.69	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	96778	24.37	ug/l #	35
78) n-propylbenzene	10.59	91	7818	0.48	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	47797	3.98	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.31	75	96778	56.40	ug/l #	100
82) 4-Chlorotoluene	10.78	91	5467	0.49	ug/l #	45
83) tert-Butylbenzene	11.10	119	11515	1.00	ug/l	86
84) 1,2,4-Trimethylbenzene	11.15	105	6276	0.51	ug/l	92
85) sec-Butylbenzene	11.33	105	11922	0.82	ug/l	97
86) p-Isopropyltoluene	11.48	119	9147	0.71	ug/l	90
87) 1,3-Dichlorobenzene	11.42	146	25252	3.90	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	54304	8.33	ug/l	95
89) n-Butylbenzene	11.88	91	12243	1.07	ug/l #	1
90) Hexachloroethane	12.18	117	2090	0.83	ug/l #	8
91) 1,2-Dichlorobenzene	11.88	146	165817	25.56	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	428	0.33	ug/l #	3
95) Naphthalene	13.75	128	80285	6.65	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

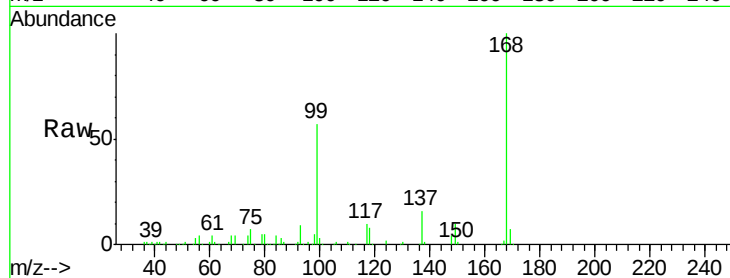
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 223805

Ion Ratio Lower Upper

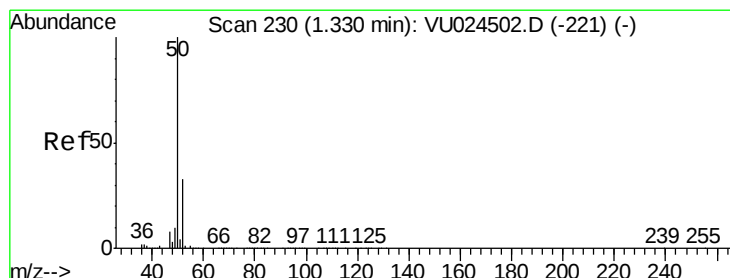
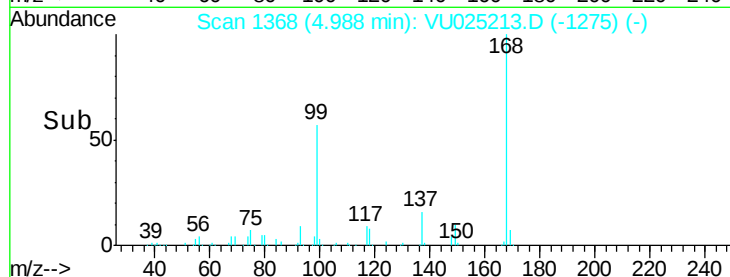
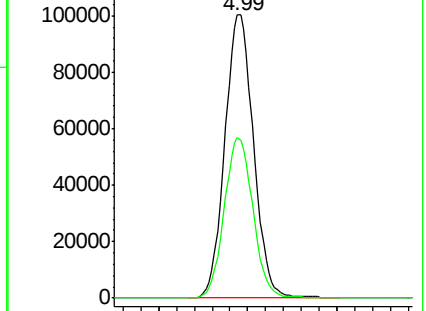
168 100

99 56.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025213.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025213.D (-1275) (-)



#3

Chloromethane

Concen: 0.67 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025213.D

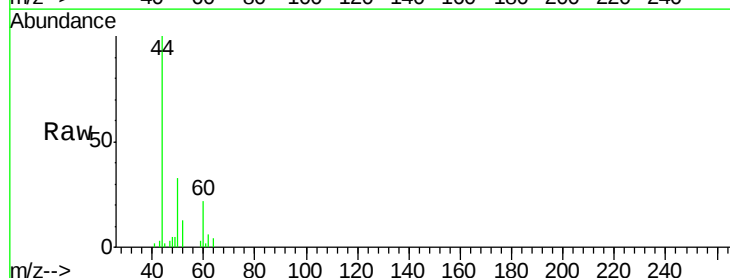
Acq: 05 Jul 2018 14:12

Tgt Ion: 50 Resp: 1910

Ion Ratio Lower Upper

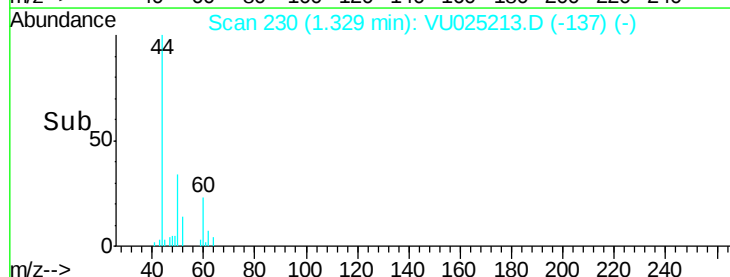
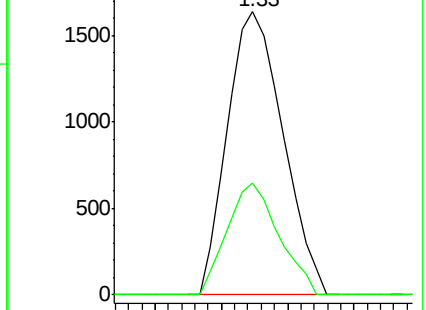
50 100

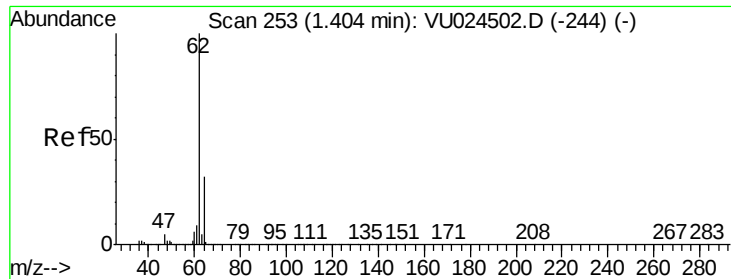
52 39.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU025213.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025213.D (-137) (-)





#4

Vinyl Chloride

Concen: 1922.48 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

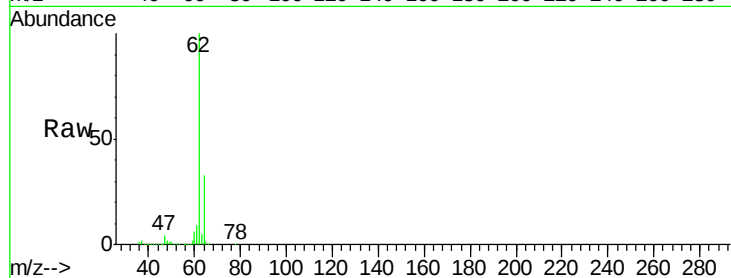
ClientSampled :

Tot Ion: 62 Resp: 5674217

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2

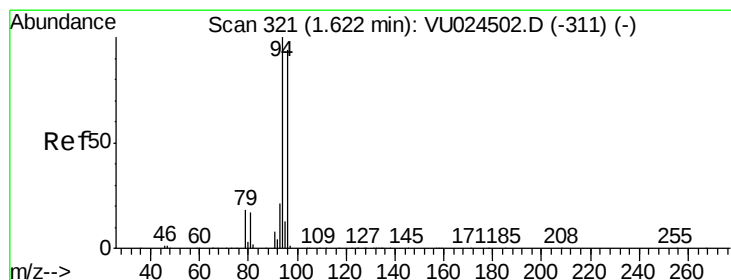
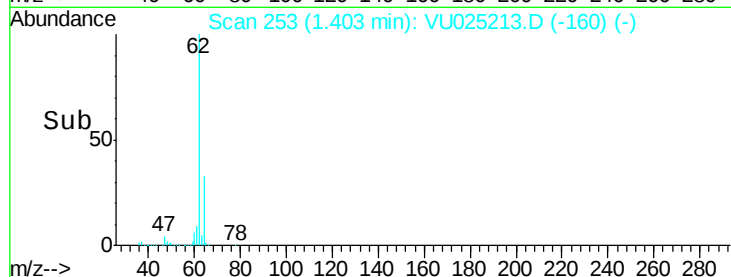


Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.40

Time-->



#5

Bromomethane

Concen: 0.53 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025213.D

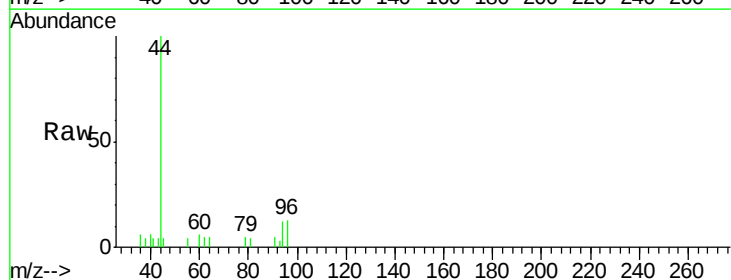
Acq: 05 Jul 2018 14:12

Tgt Ion: 94 Resp: 760

Ion Ratio Lower Upper

94 100

96 102.2 74.5 111.7

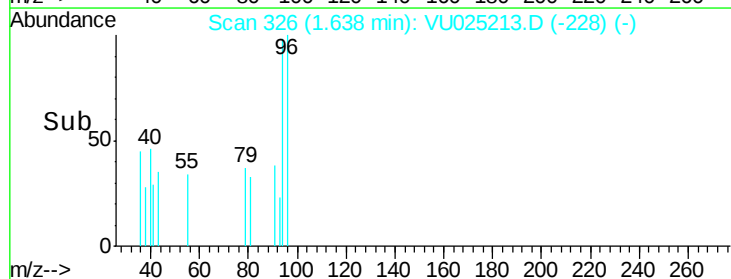


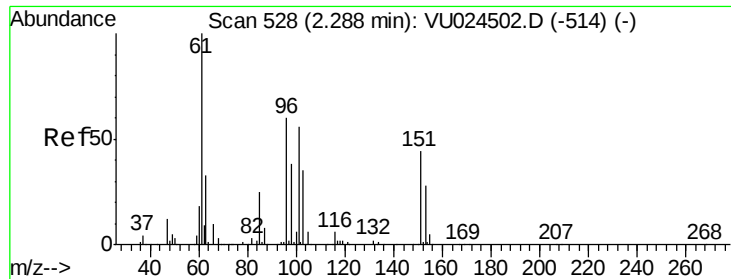
Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024502.D (-311) (-)

1.64

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.21 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampleId :

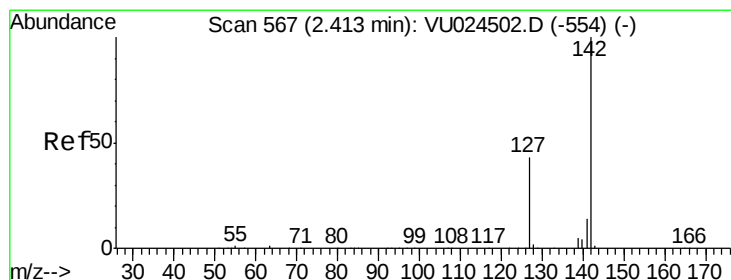
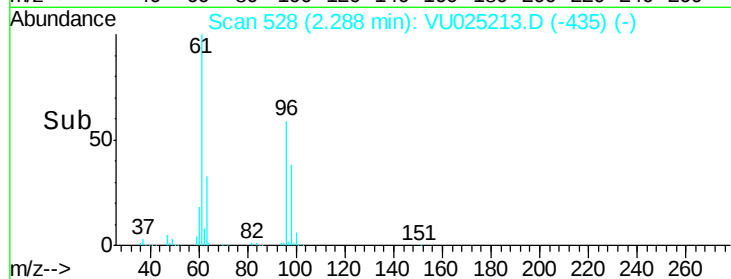
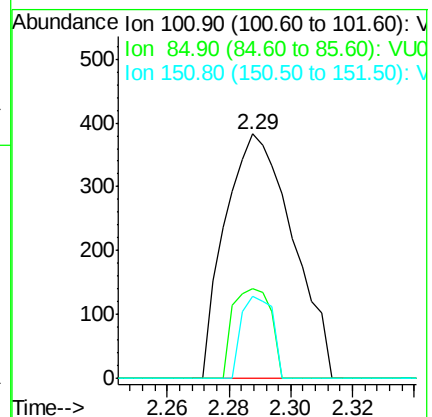
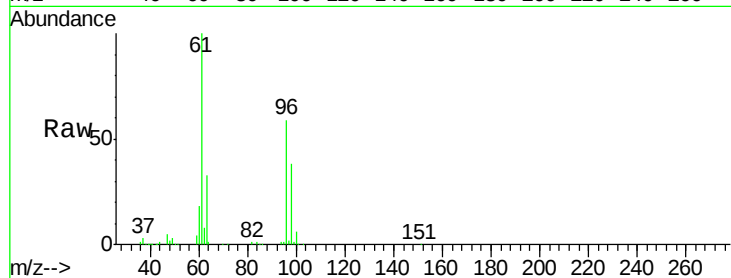
Tot Ion:101 Resp: 580

Ion Ratio Lower Upper

101 100

85 20.7 36.0 54.0#

151 15.3 62.3 93.5#



#10

Methyl Iodide

Concen: 5.57 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

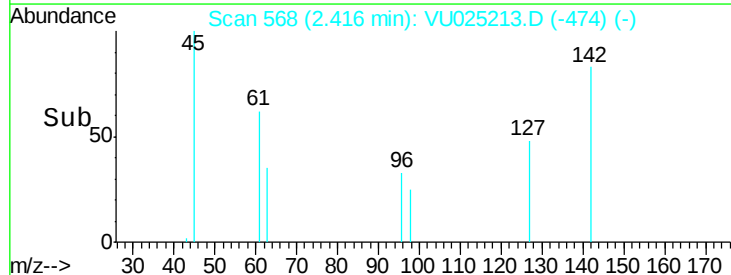
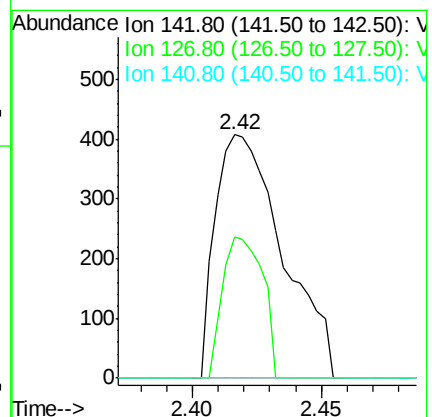
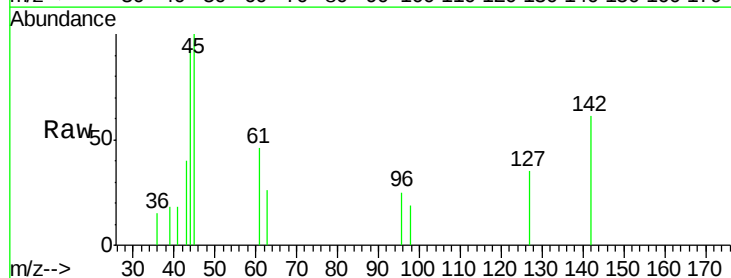
Tgt Ion:142 Resp: 741

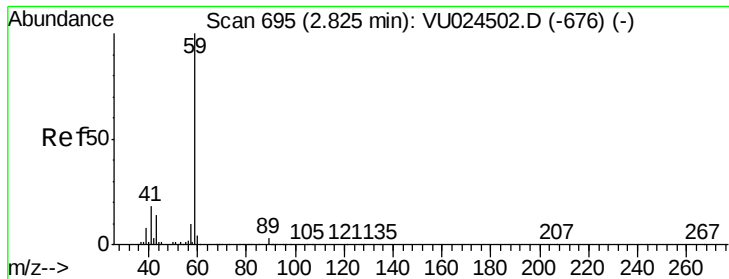
Ion Ratio Lower Upper

142 100

127 34.3 35.6 53.4#

141 0.0 11.7 17.5#

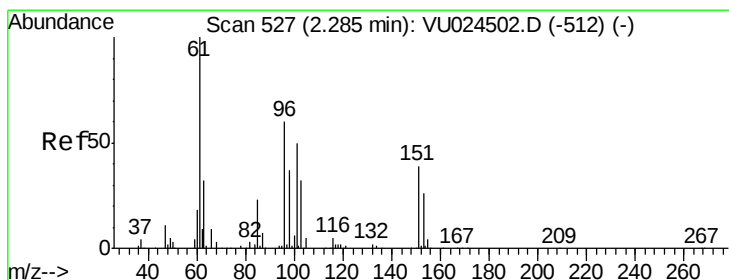
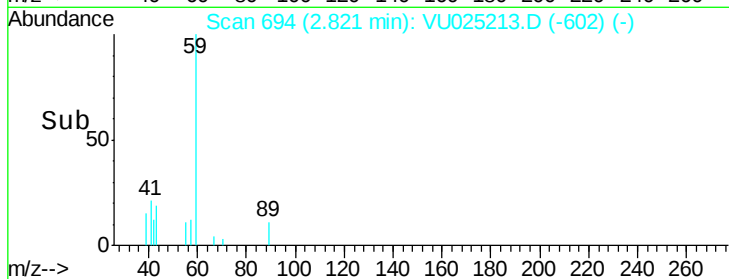
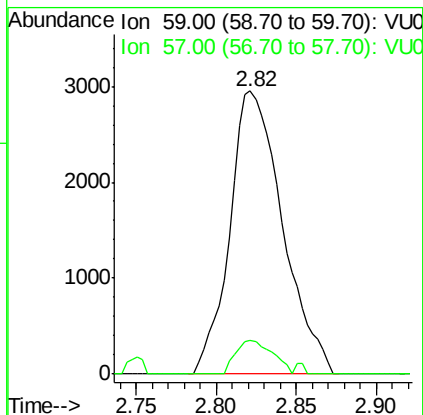
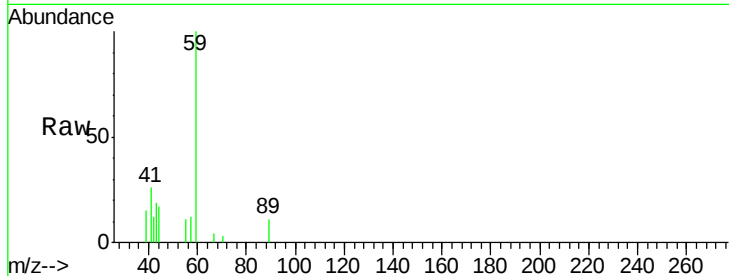




#11
Tert butyl alcohol
Concen: 7.49 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

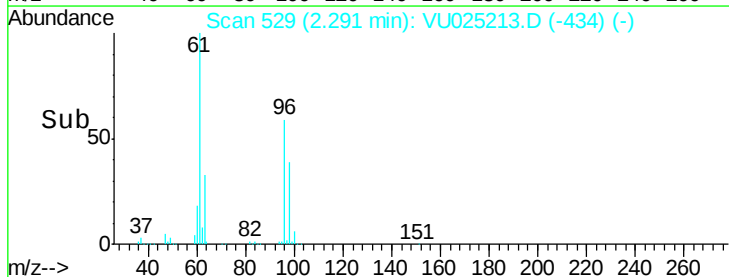
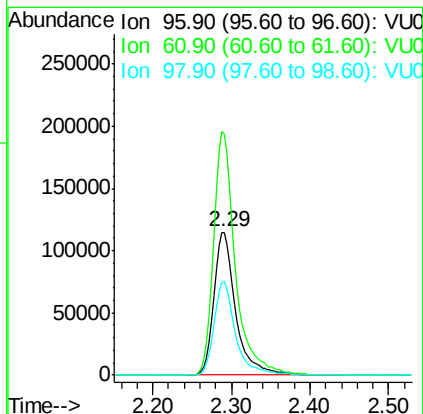
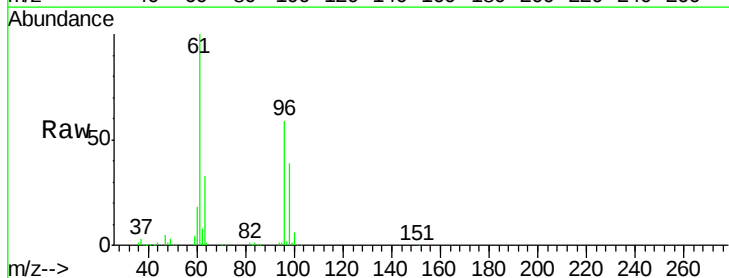
Instrument :
MSVOA_U
ClientSampleId :

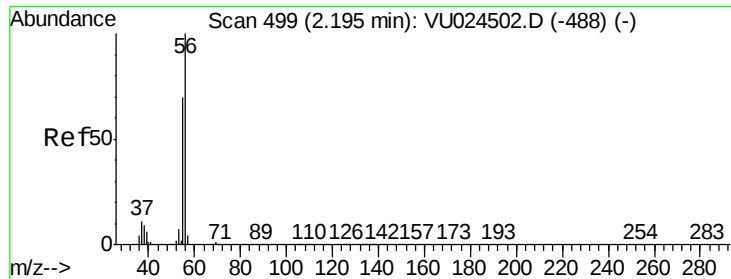
Tot Ion: 59 Resp: 6652
Ion Ratio Lower Upper
59 100
57 8.3 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 86.11 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.01 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion: 96 Resp: 219428
Ion Ratio Lower Upper
96 100
61 169.3 141.7 212.5
98 65.4 51.6 77.4

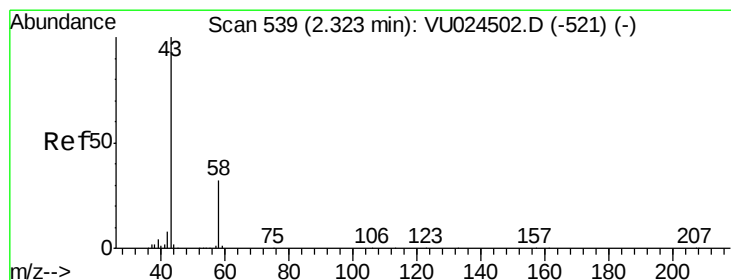
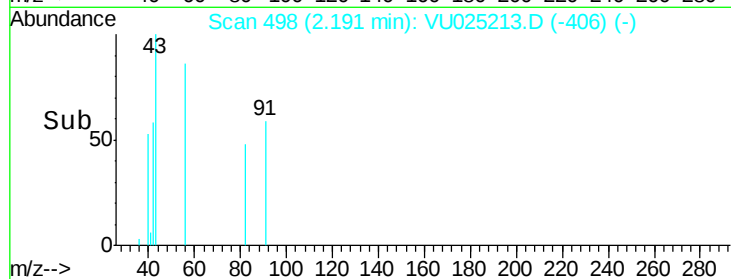
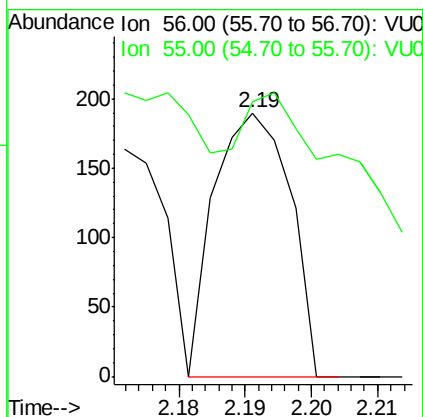
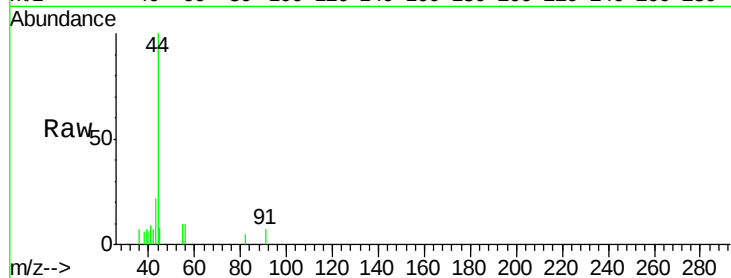




#13
Acrolein
Concen: 0.32 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

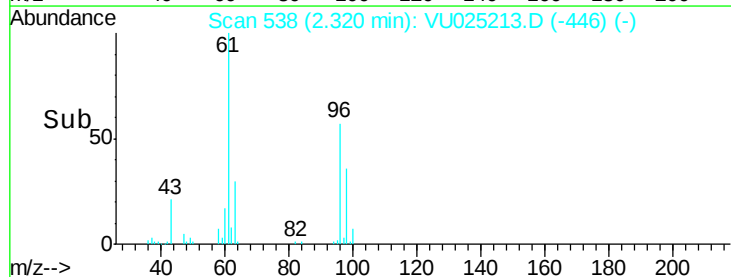
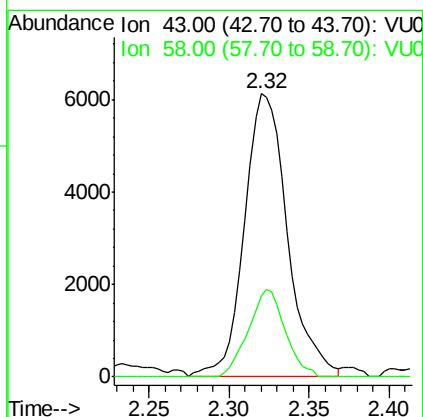
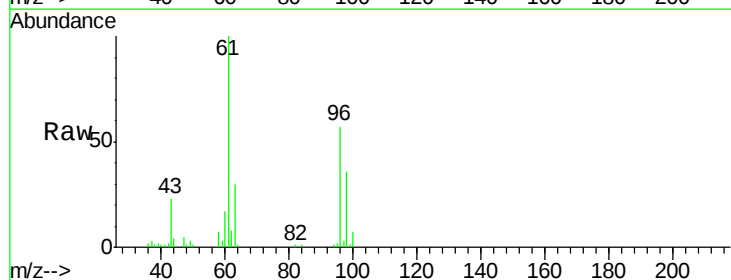
Instrument :
MSVOA_U
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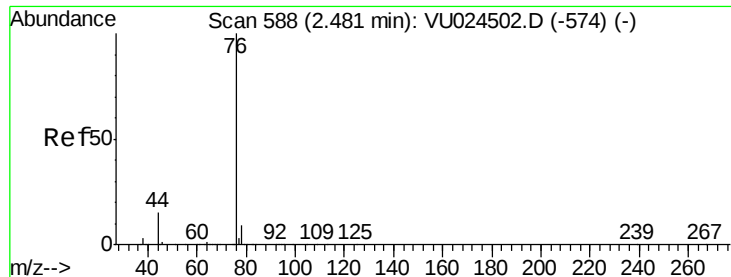
Tot Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 5.75 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion: 43 Resp: 11292
Ion Ratio Lower Upper
43 100
58 28.5 24.4 36.6

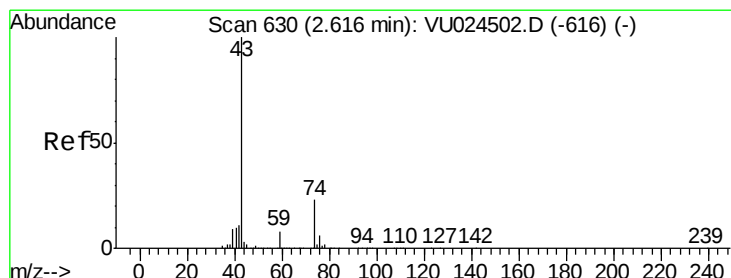
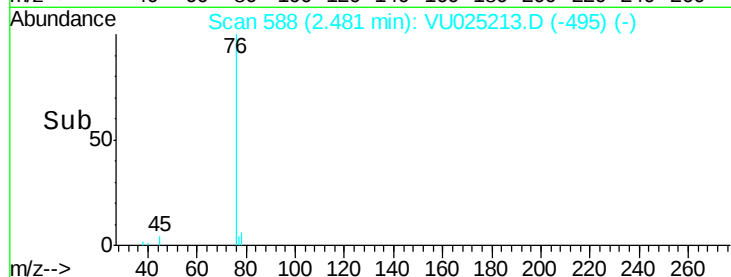
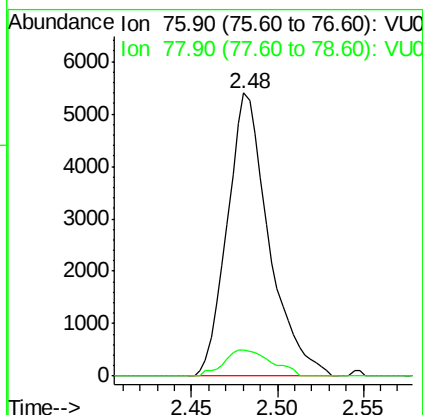
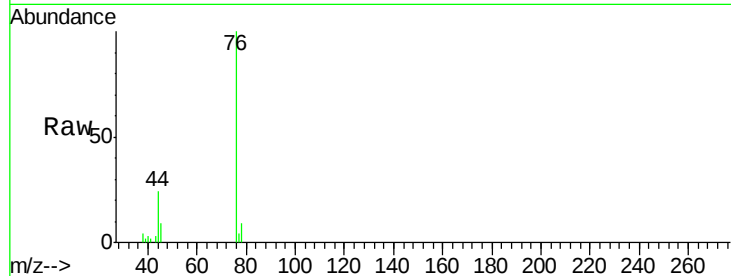




#17
Carbon Disulfide
Concen: 1.11 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU025213.D
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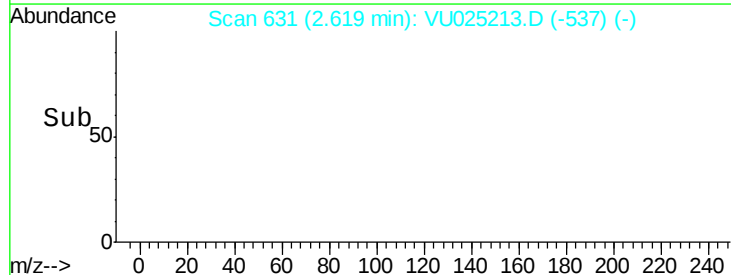
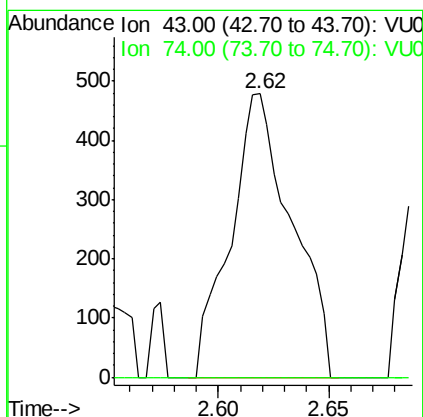
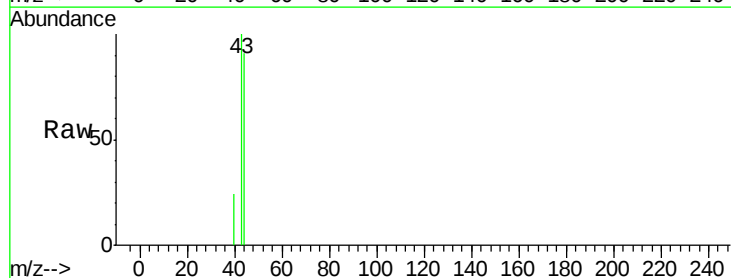
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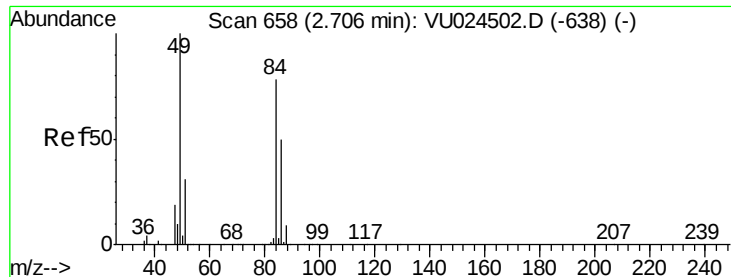
Tot Ion: 76 Resp: 9068
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

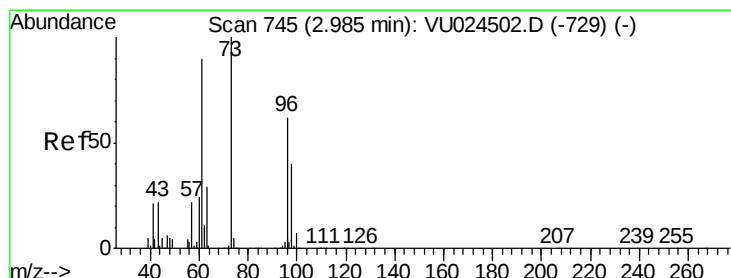
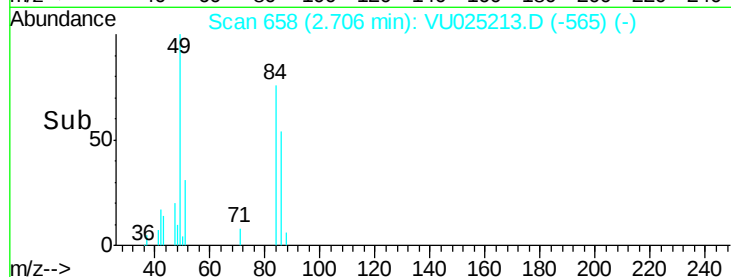
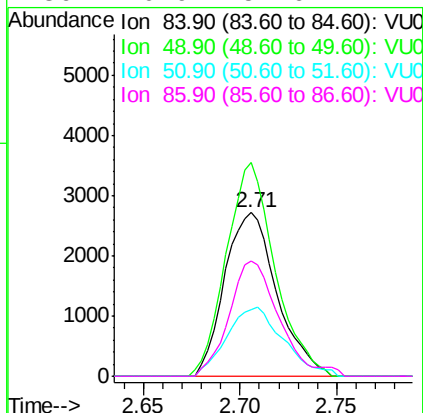
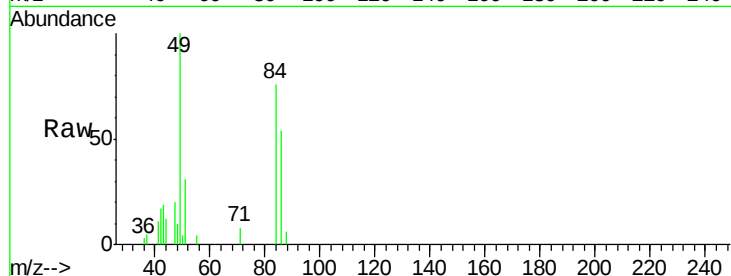




#20
Methvlene Chloride
Concen: 1.66 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

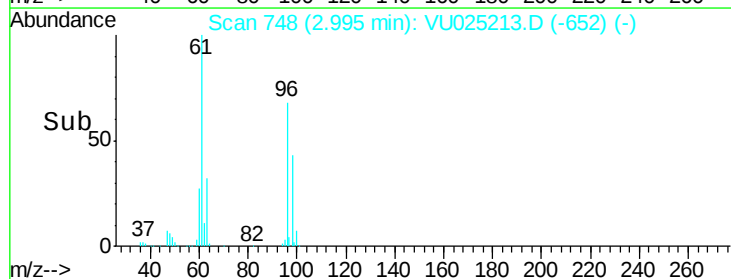
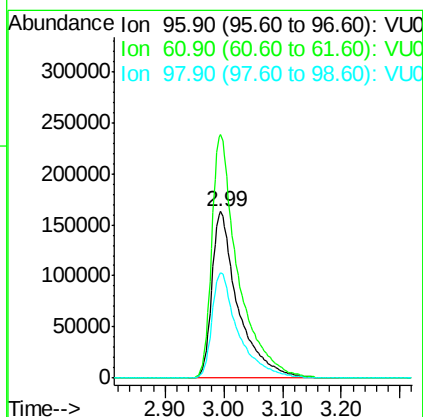
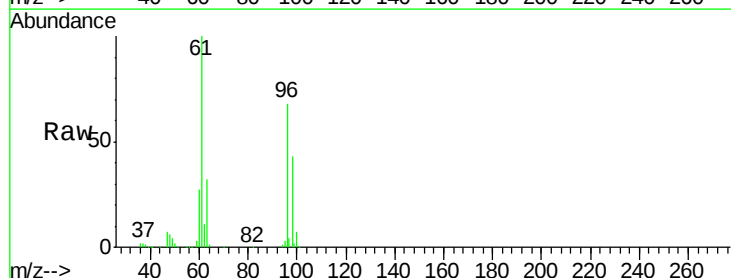
Instrument :
MSVOA_U
ClientSampleId :

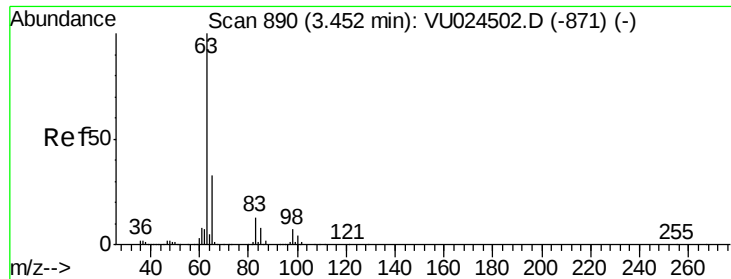
Tot Ion: 84 Resp: 5109
Ion Ratio Lower Upper
84 100
49 130.8 103.8 155.8
51 40.9 32.0 48.0
86 70.9 51.6 77.4



#21
trans-1,2-Dichloroethene
Concen: 180.50 ug/l
RT: 2.99 min Scan# 748
Delta R.T. 0.01 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion: 96 Resp: 506619
Ion Ratio Lower Upper
96 100
61 146.4 119.4 179.0
98 63.7 51.1 76.7





#24

1,1-Dichloroethane

Concen: 8.26 ug/l

RT: 3.45 min Scan# 891

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampleId :

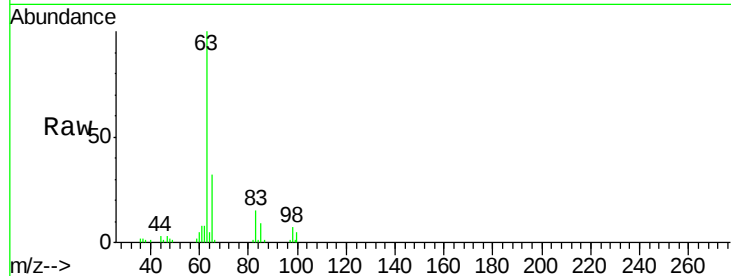
Tot Ion: 63 Resp: 44553

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

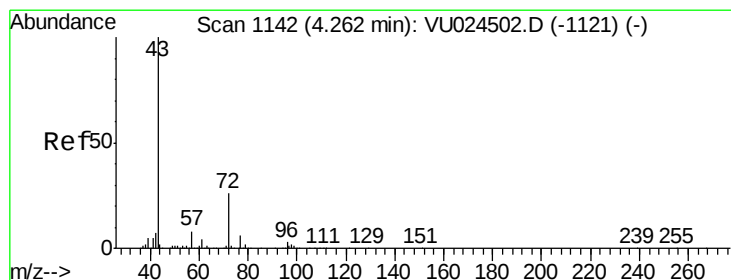
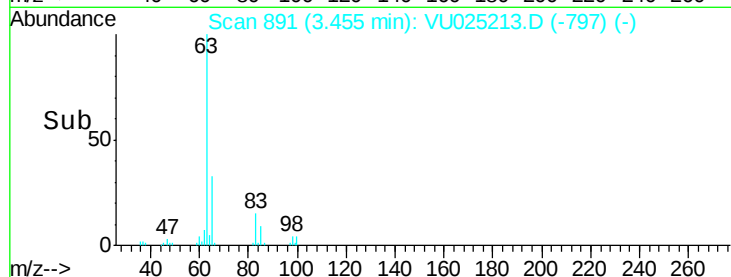
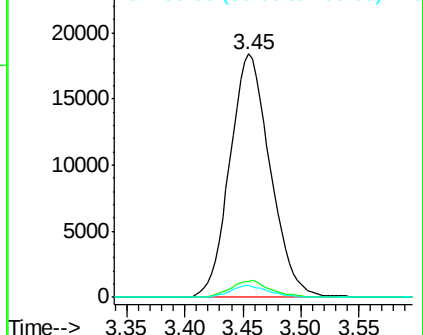
100 4.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU025213.D (-1049) (-)

Ion 97.90 (97.60 to 98.60): VU025213.D (-1049) (-)

Ion 99.90 (99.60 to 100.60): VU025213.D (-1049) (-)



#25

2-Butanone

Concen: 0.56 ug/l

RT: 4.25 min Scan# 1137

Delta R.T. -0.02 min

Lab File: VU025213.D

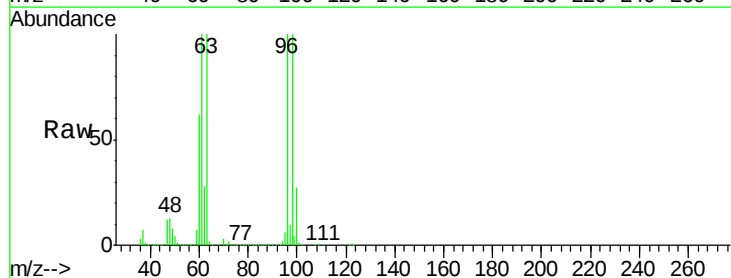
Acq: 05 Jul 2018 14:12

Tgt Ion: 43 Resp: 1480

Ion Ratio Lower Upper

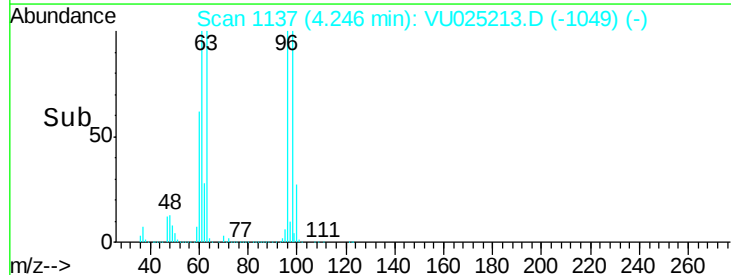
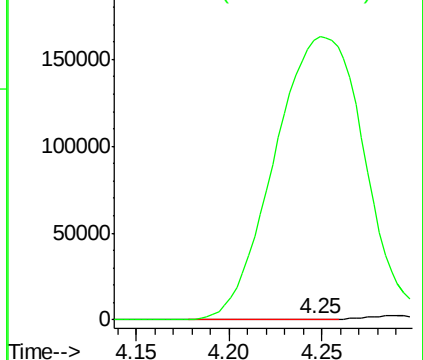
43 100

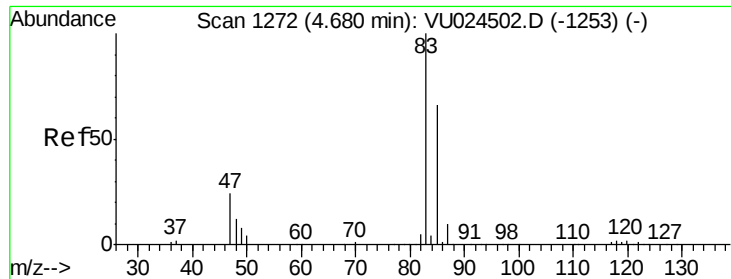
72 28594.5 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VU025213.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU025213.D (-1049) (-)

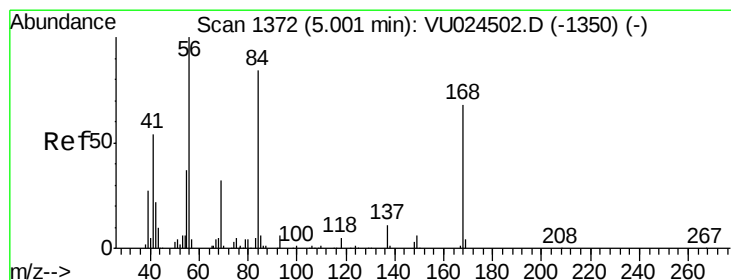
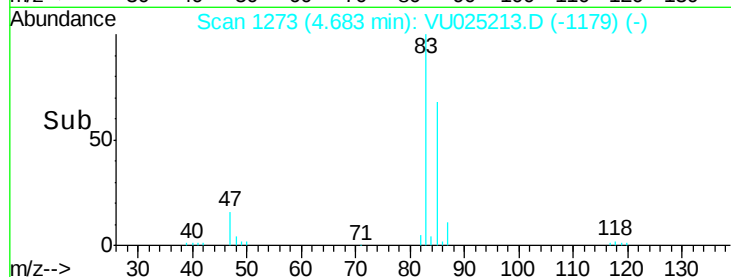
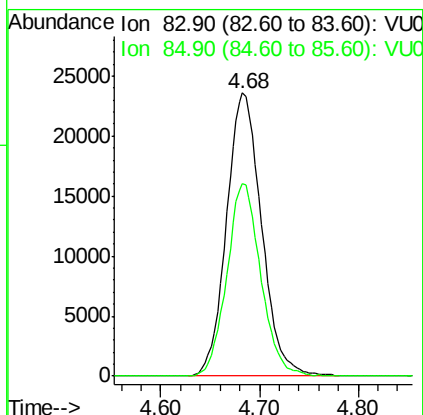
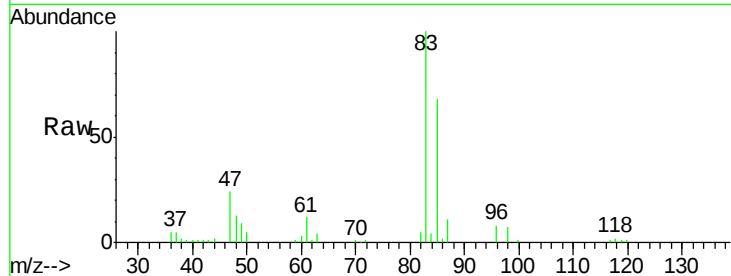




#30
Chloroform
Concen: 10.68 ug/l
RT: 4.68 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

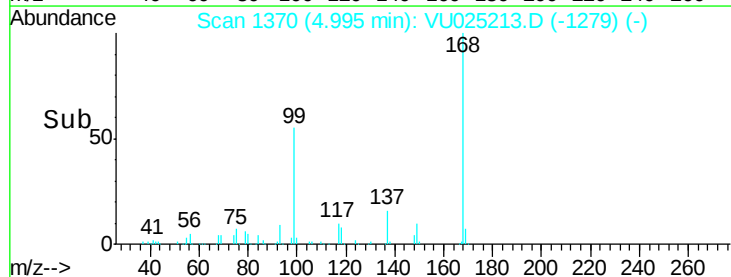
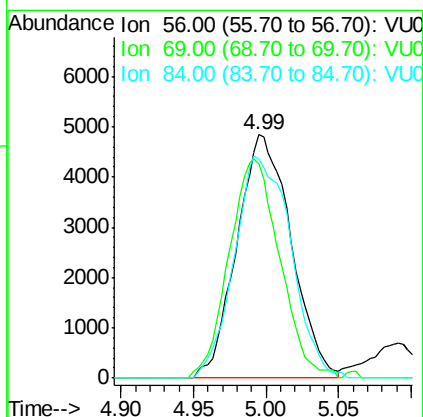
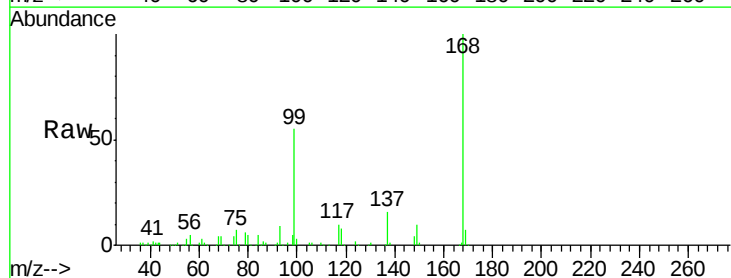
Instrument :
MSVOA_U
ClientSampled :

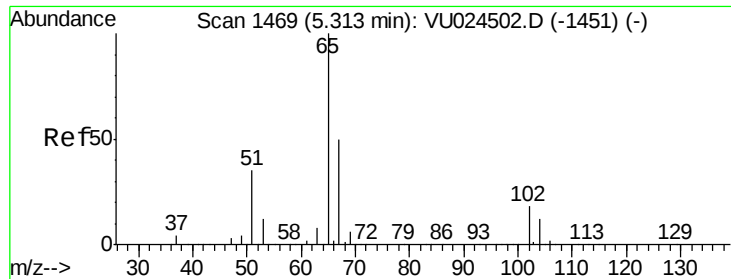
Tot Ion: 83 Resp: 58335
Ion Ratio Lower Upper
83 100
85 67.9 52.4 78.6



#31
Cyclohexane
Concen: 0.68 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion: 56 Resp: 12592
Ion Ratio Lower Upper
56 100
69 87.8 24.8 37.2#
84 90.1 65.2 97.8





#33

1,2-Dichloroethane-d4

Concen: 45.56 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

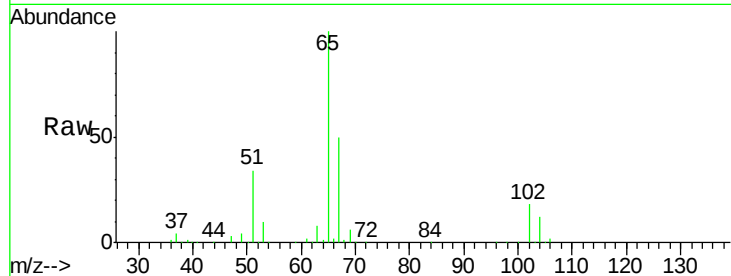
ClientSampled :

Tot Ion: 65 Resp: 166447

Ion Ratio Lower Upper

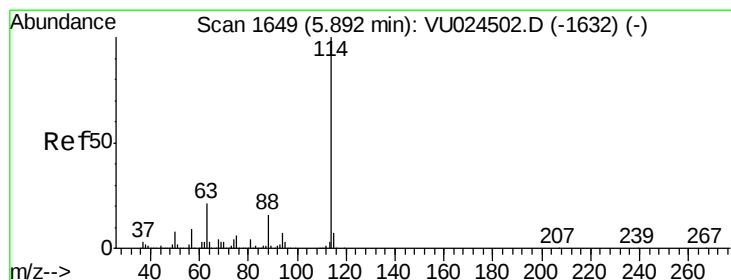
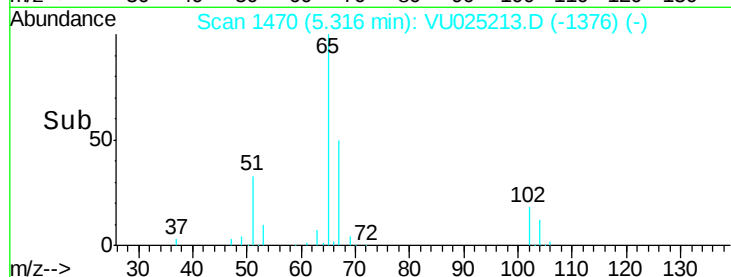
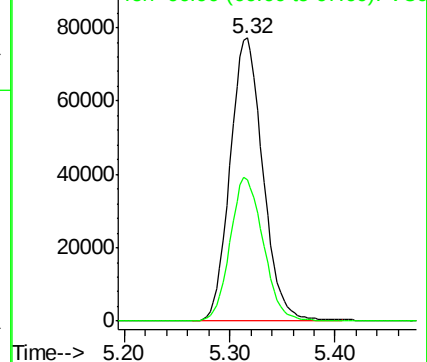
65 100

67 51.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

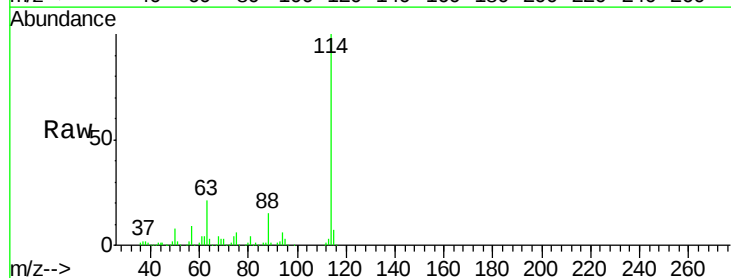
Tgt Ion: 114 Resp: 335810

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

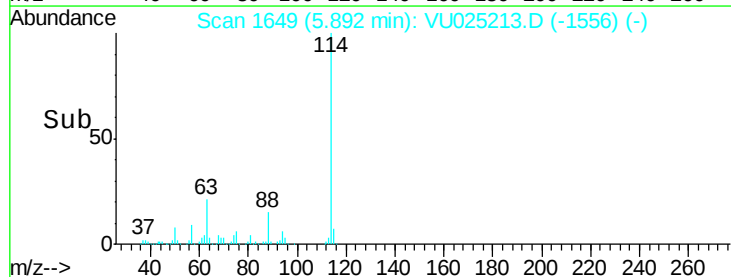
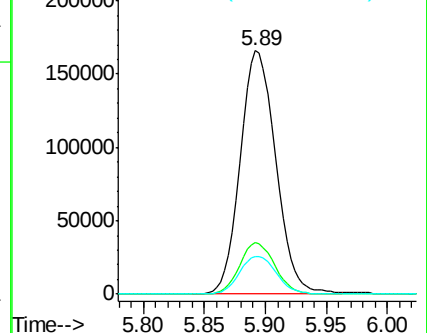
88 15.2 0.0 31.0

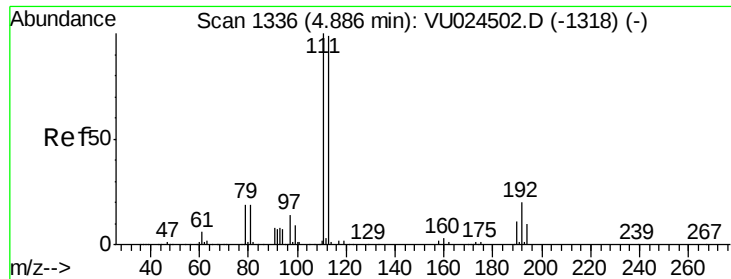


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

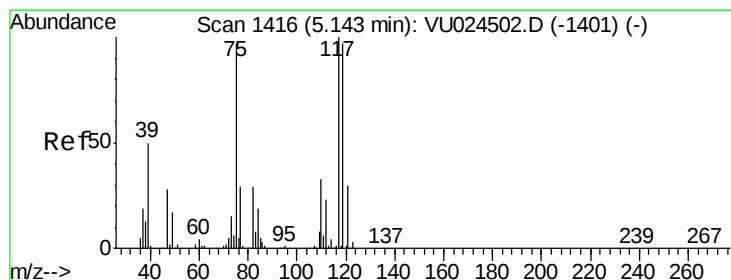
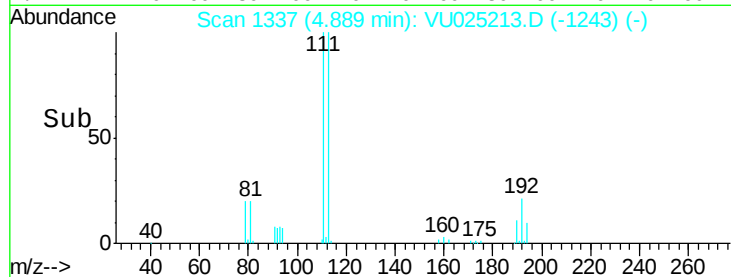
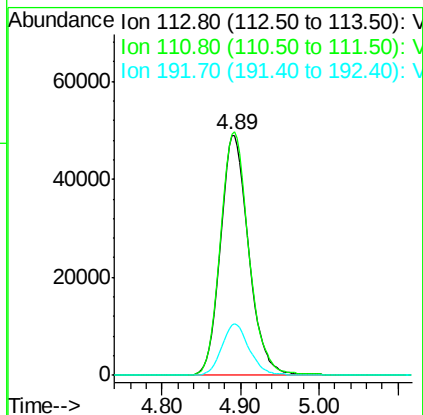
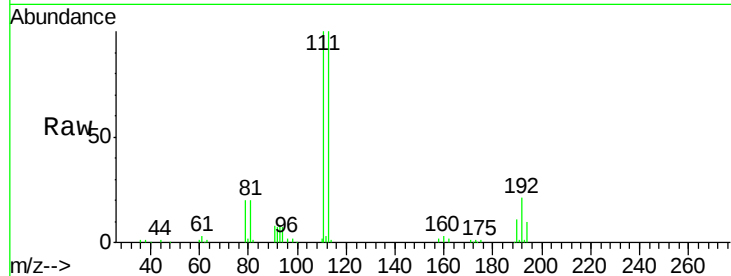




#35
 Dibromofluoromethane
 Concen: 43.42 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

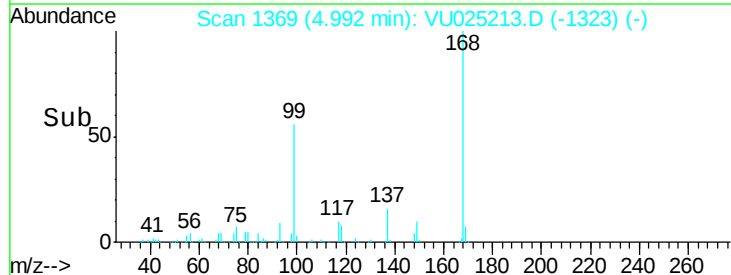
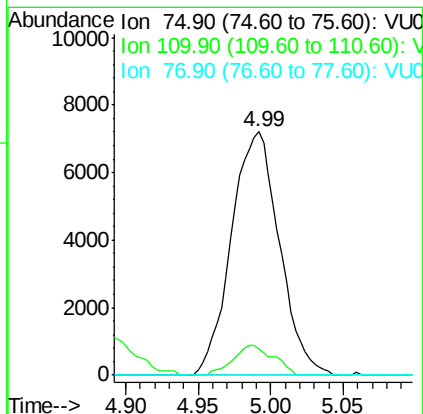
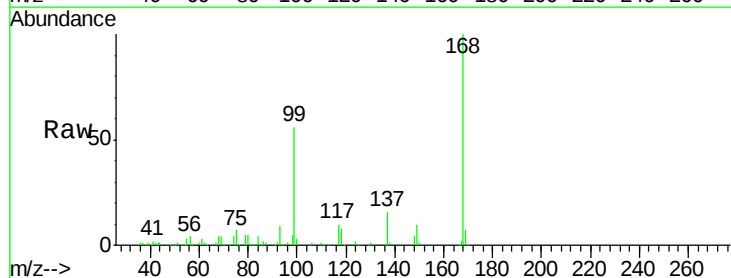
Instrument :
 MSVOA_U
 ClientSampleId :

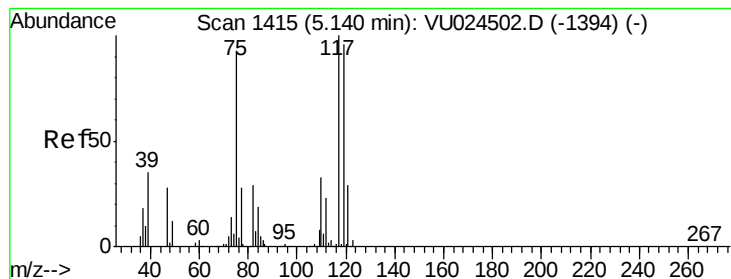
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.19 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.98 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampleId :

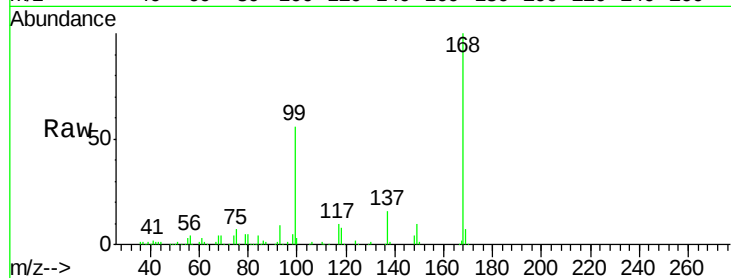
Tot Ion:117 Resp: 21631

Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

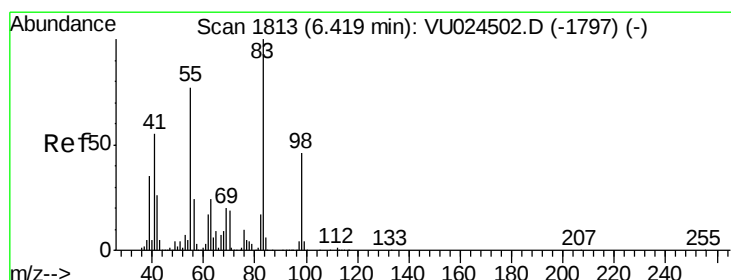
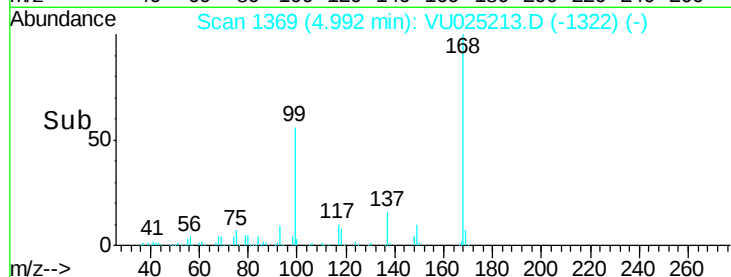
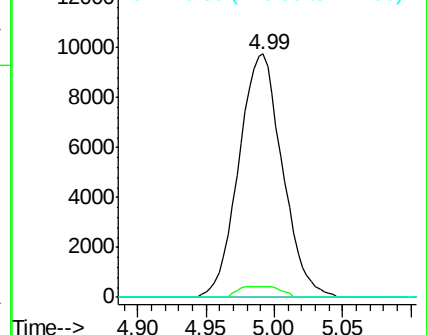
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 130.46 ug/l

RT: 6.23 min Scan# 1753

Delta R.T. -0.19 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

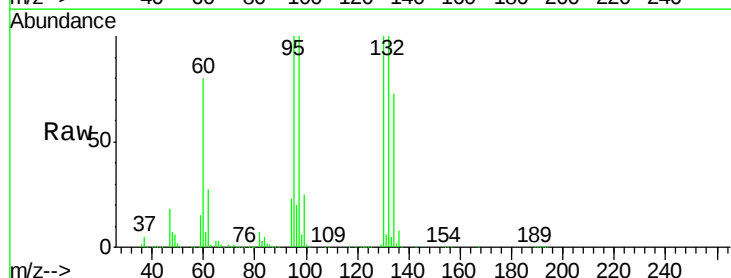
Tgt Ion: 83 Resp: 642445

Ion Ratio Lower Upper

83 100

55 0.1 65.8 98.6#

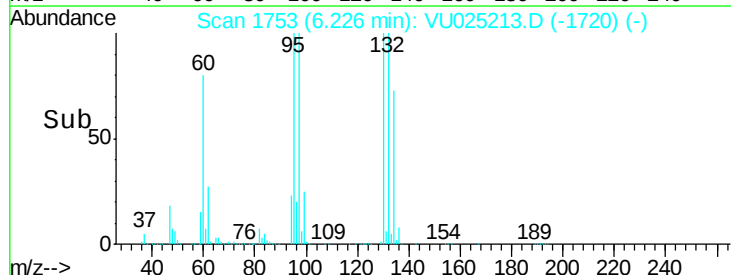
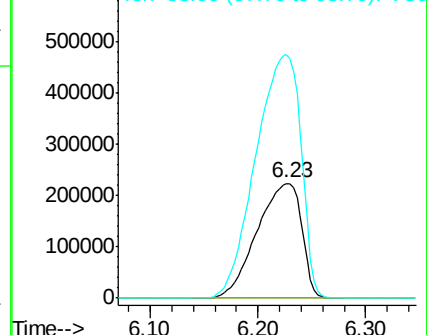
98 211.9 36.7 55.1#

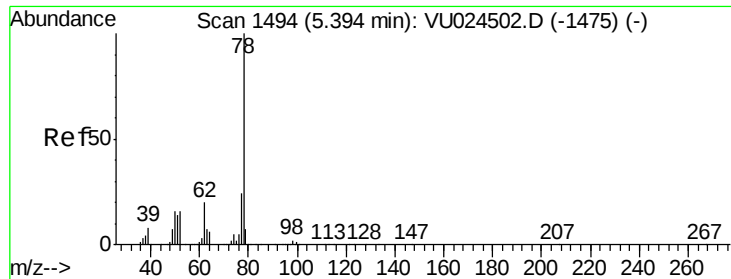


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 20.48 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

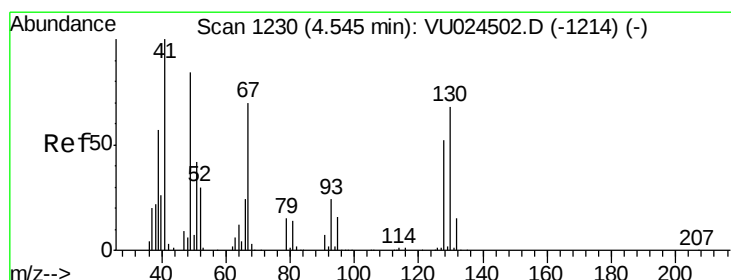
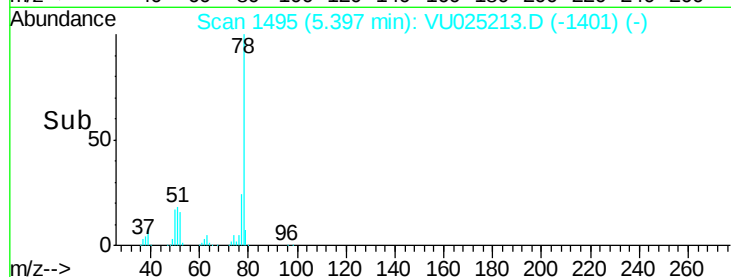
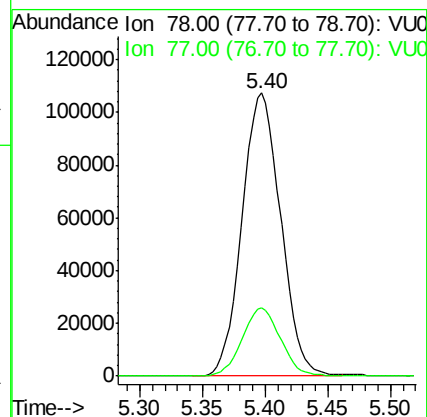
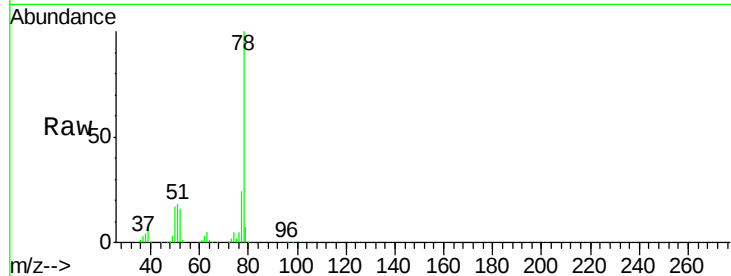
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 230267

Ion Ratio Lower Upper

78 100

77 24.1 19.2 28.8



#41

Methacrylonitrile

Concen: 0.26 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.11 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Tgt Ion: 41 Resp: 601

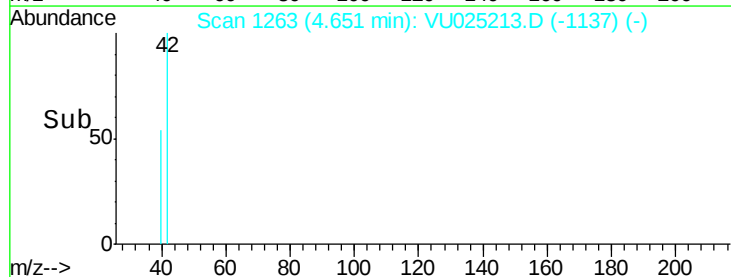
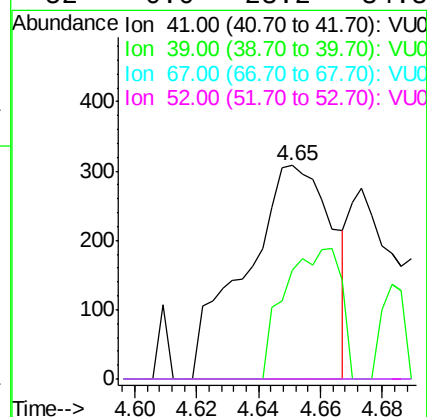
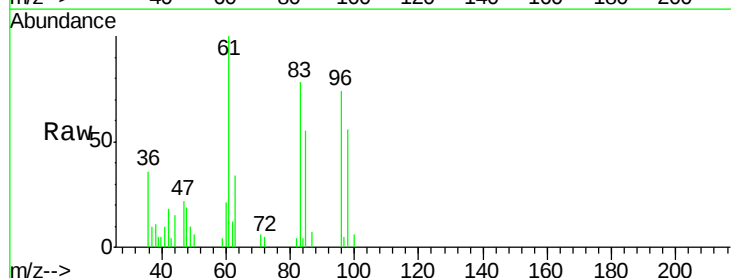
Ion Ratio Lower Upper

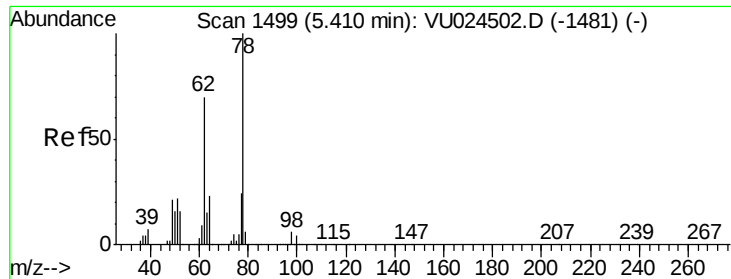
41 100

39 39.4 43.8 65.6#

67 0.0 56.3 84.5#

52 0.0 23.2 34.8#





#42

1,2-Dichloroethane

Concen: 2.63 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

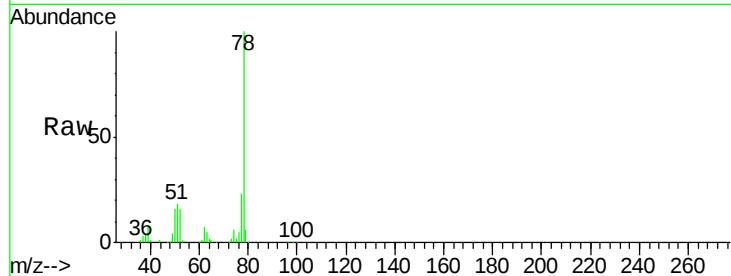
ClientSampled :

Tot Ion: 62 Resp: 11242

Ion Ratio Lower Upper

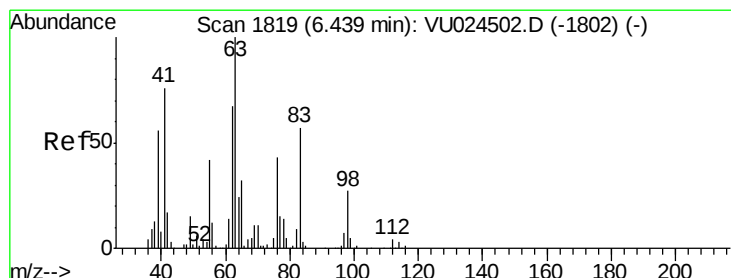
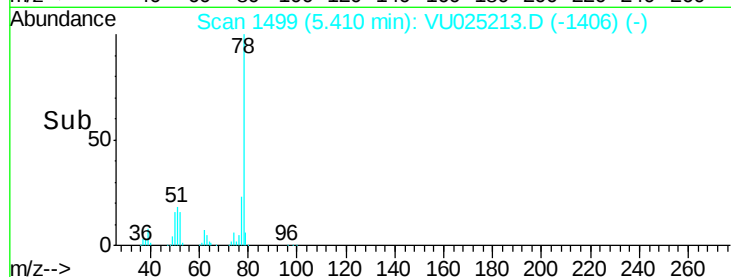
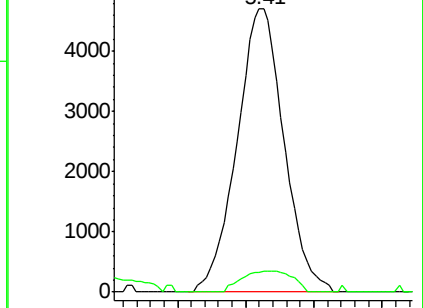
62 100

98 8.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#45

1,2-Dichloropropane

Concen: 51.68 ug/l

RT: 6.22 min Scan# 1752

Delta R.T. -0.22 min

Lab File: VU025213.D

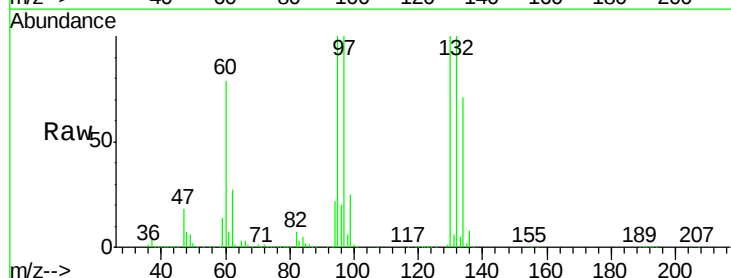
Acq: 05 Jul 2018 14:12

Tgt Ion: 63 Resp: 155062

Ion Ratio Lower Upper

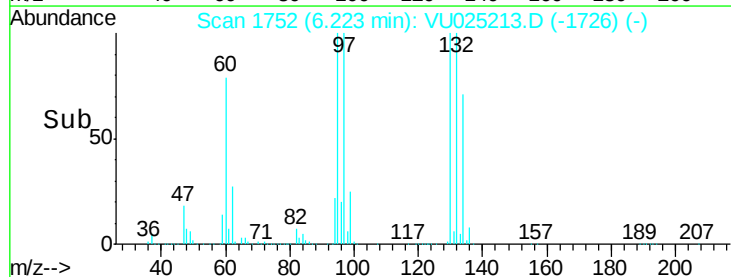
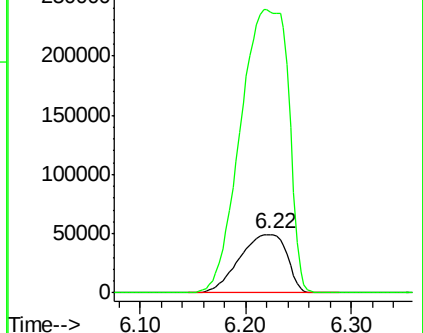
63 100

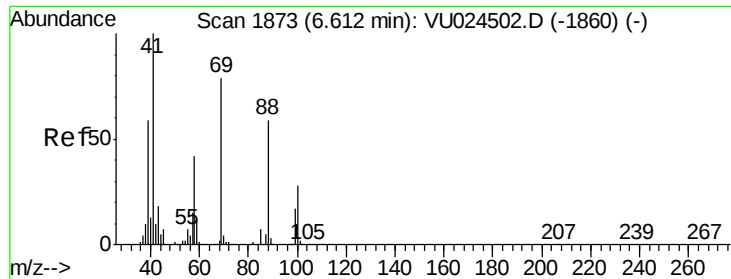
65 479.4 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

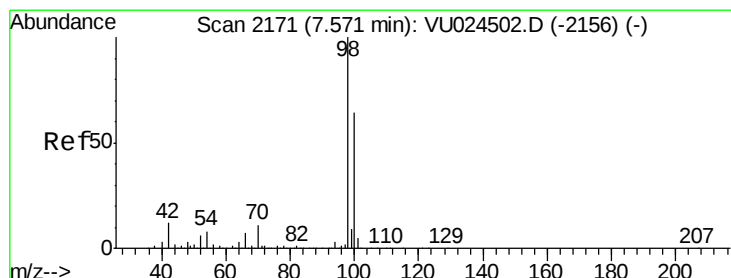
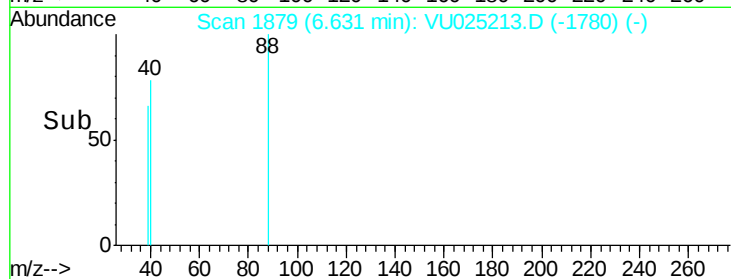
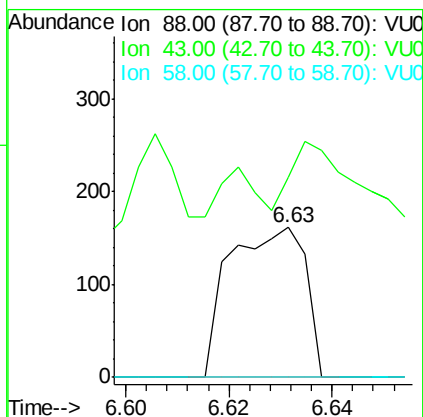
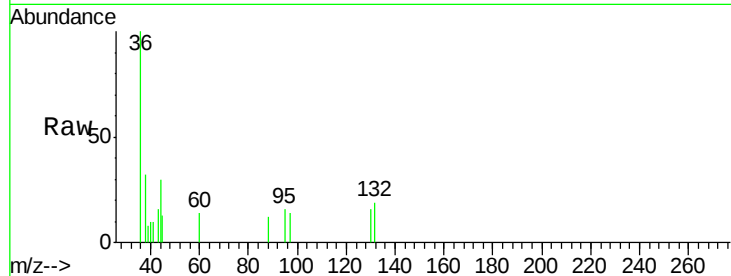




#49
 1,4-Dioxane
 Concen: 2.30 ug/l
 RT: 6.63 min Scan# 1879
 Delta R.T. 0.02 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

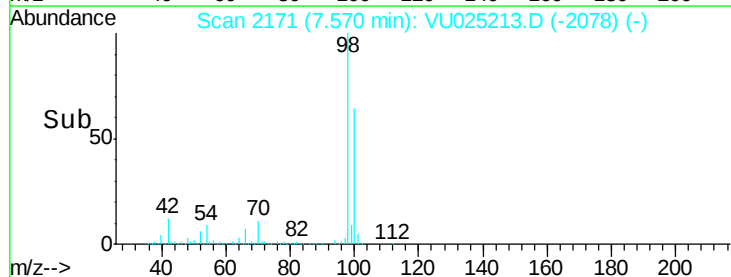
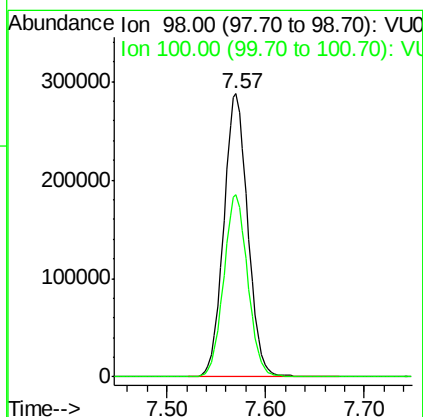
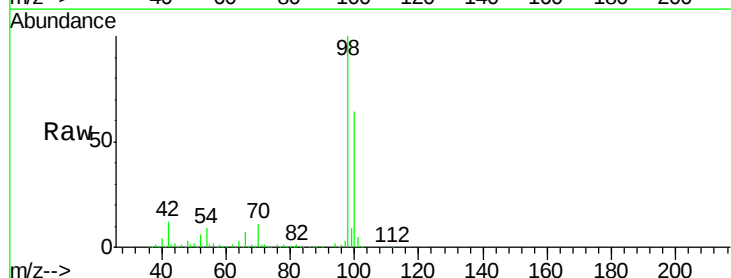
Instrument :
 MSVOA_U
 ClientSampleId :

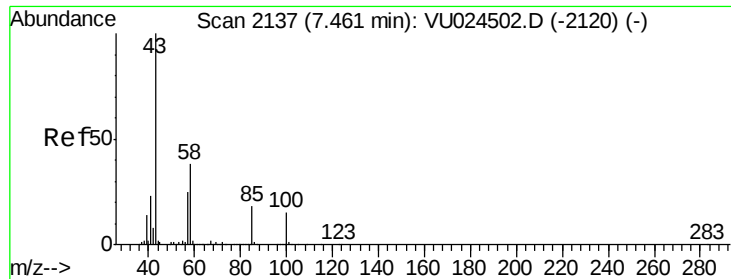
Tot Ion: 88 Resp: 163
 Ion Ratio Lower Upper
 88 100
 43 88.3 28.6 42.8#
 58 0.0 58.2 87.4#



#50
 Toluene-d8
 Concen: 48.58 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

Tgt Ion: 98 Resp: 493857
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 1.92 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

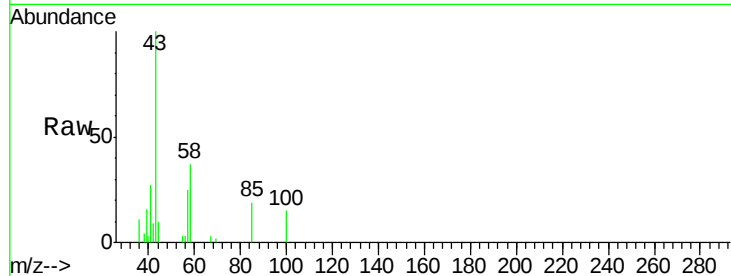
ClientSampled :

Tot Ion: 43 Resp: 8984

Ion Ratio Lower Upper

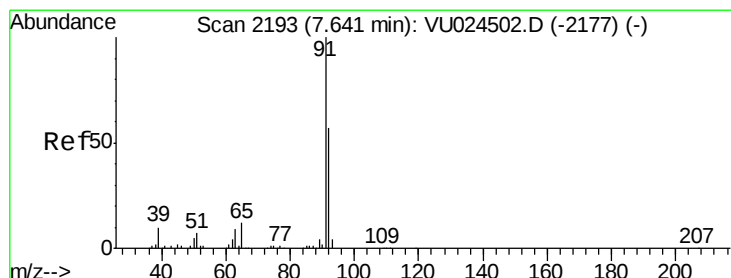
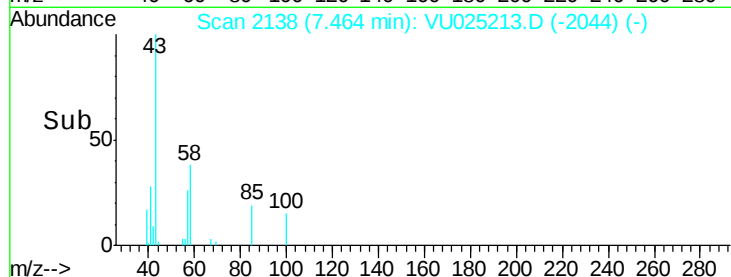
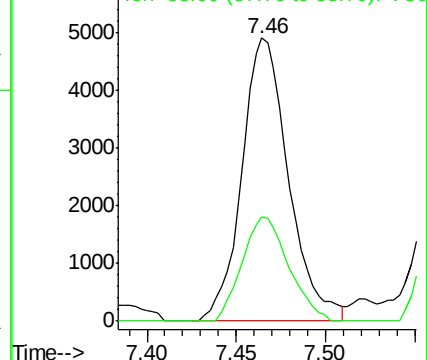
43 100

58 36.6 30.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 24.12 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025213.D

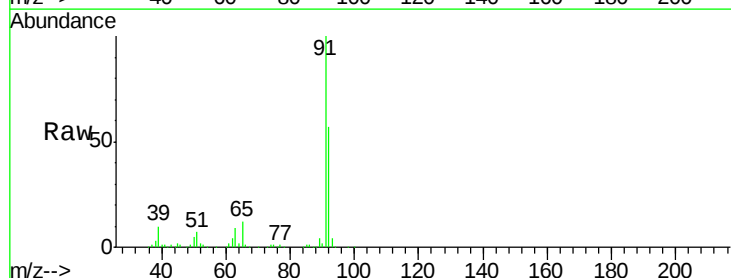
Acq: 05 Jul 2018 14:12

Tgt Ion: 92 Resp: 174448

Ion Ratio Lower Upper

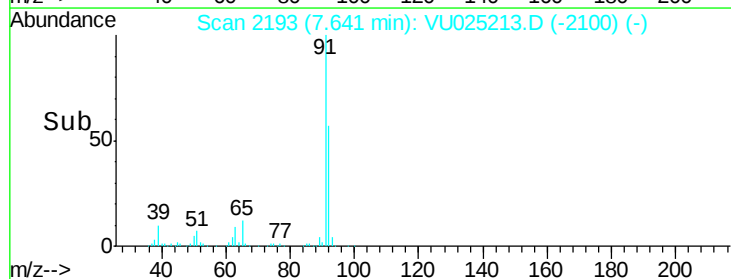
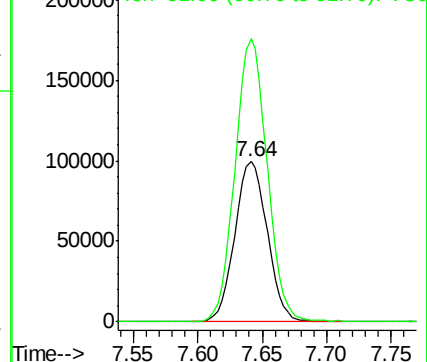
92 100

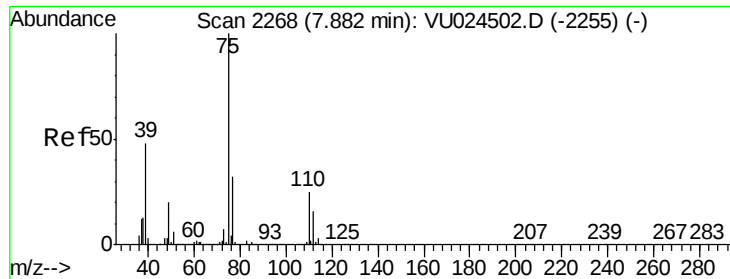
91 174.2 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 0.45 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. -0.24 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

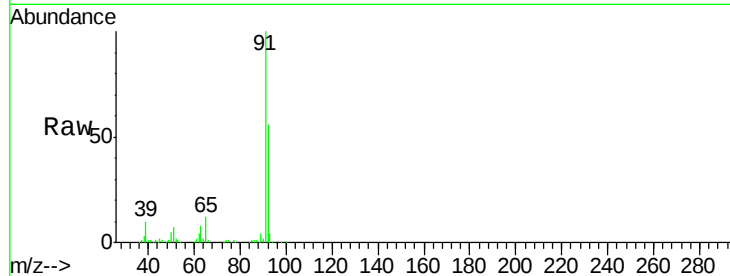
ClientSampleId :

Tot Ion: 75 Resp: 2133

Ion Ratio Lower Upper

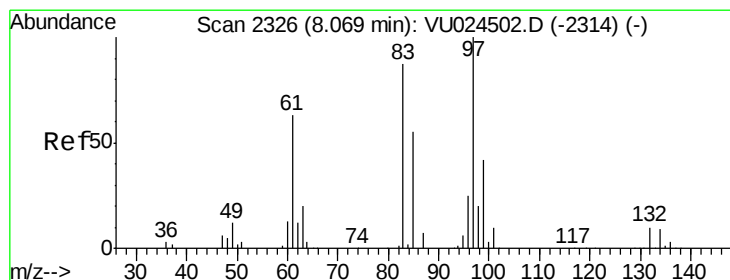
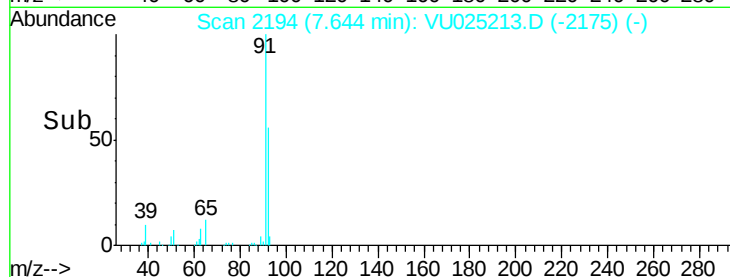
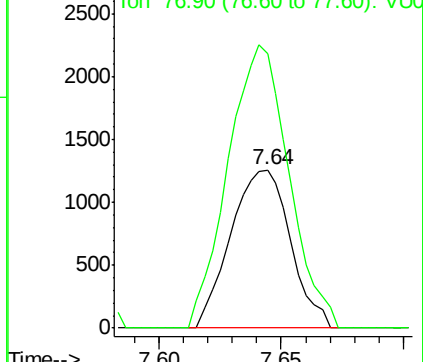
75 100

77 173.3 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#55

1,1,2-Trichloroethane

Concen: 16.06 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Tgt Ion: 97 Resp: 47215

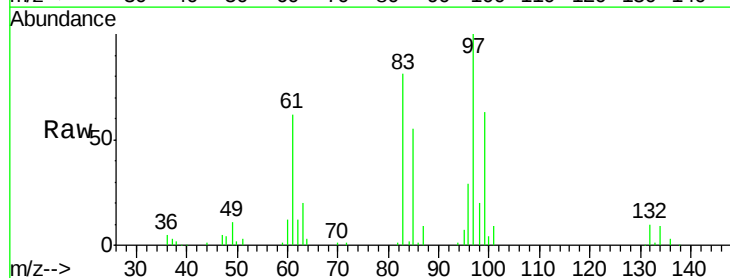
Ion Ratio Lower Upper

97 100

83 81.2 70.5 105.7

85 55.0 46.4 69.6

99 62.6 50.2 75.2

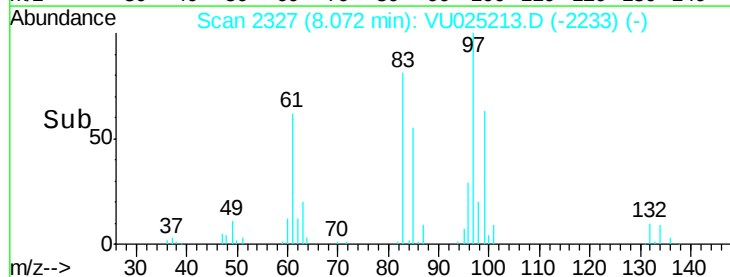
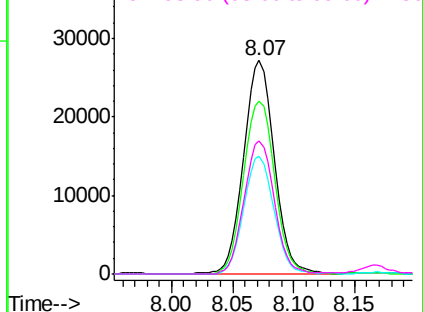


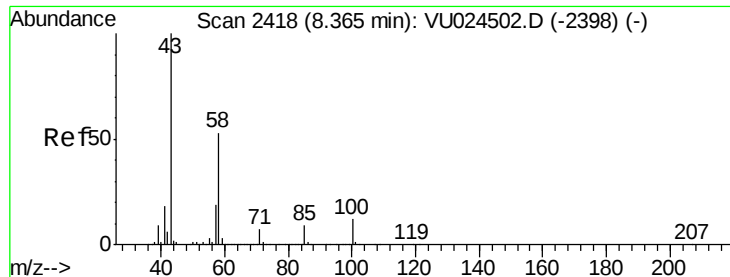
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

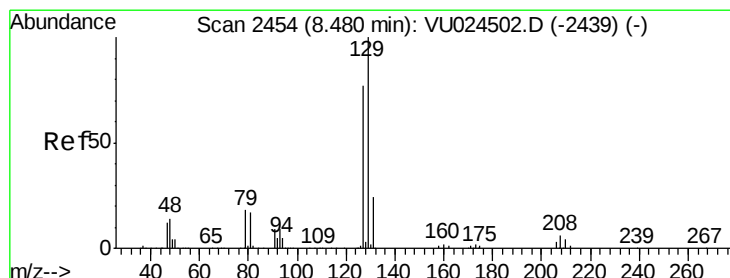
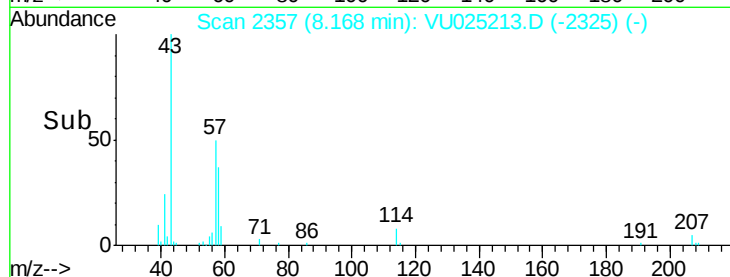
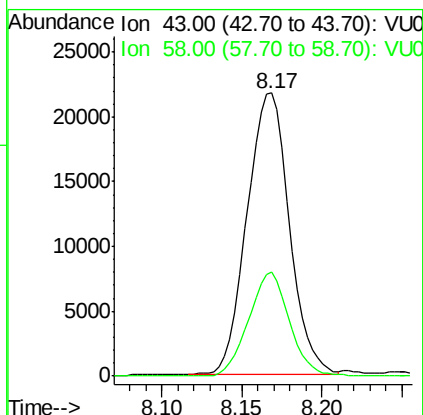
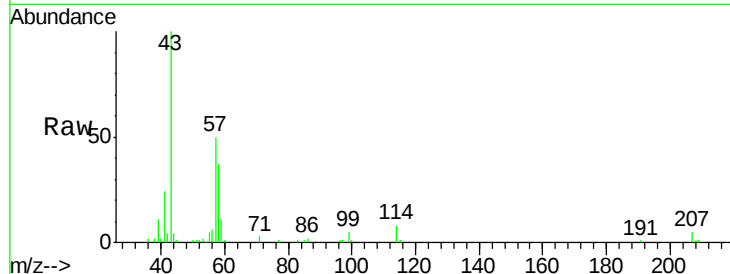




#59
2-Hexanone
Concen: 10.33 ug/l
RT: 8.17 min Scan# 2357
Delta R.T. -0.20 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

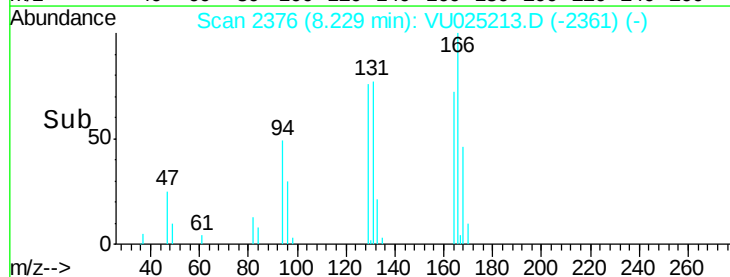
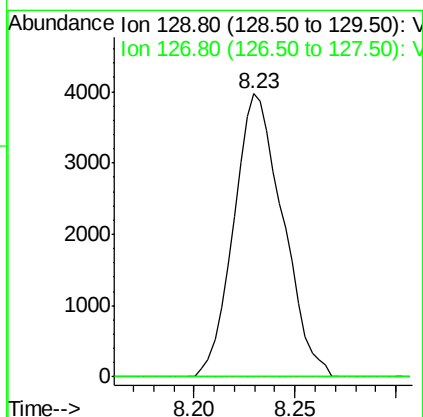
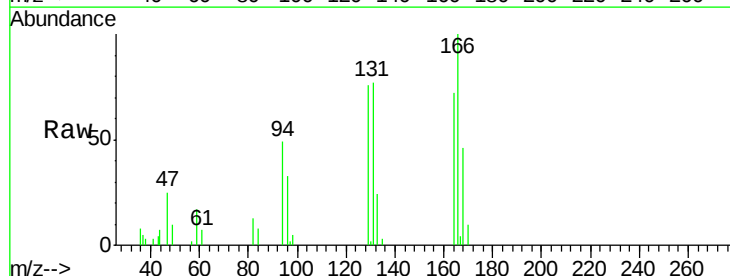
Instrument :
MSVOA_U
ClientSampled :

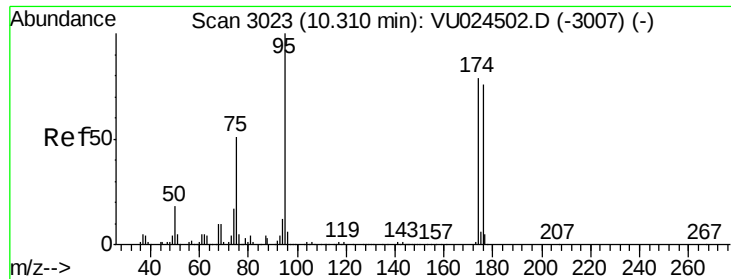
Tot Ion: 43 Resp: 39377
Ion Ratio Lower Upper
43 100
58 35.6 26.4 79.0



#60
Dibromochloromethane
Concen: 1.84 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion: 129 Resp: 6755
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 46.79 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampleId :

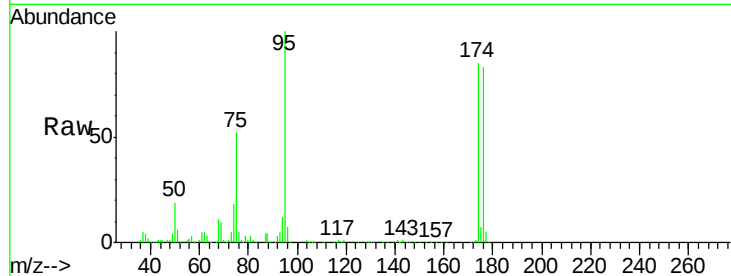
Tot Ion: 95 Resp: 188851

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

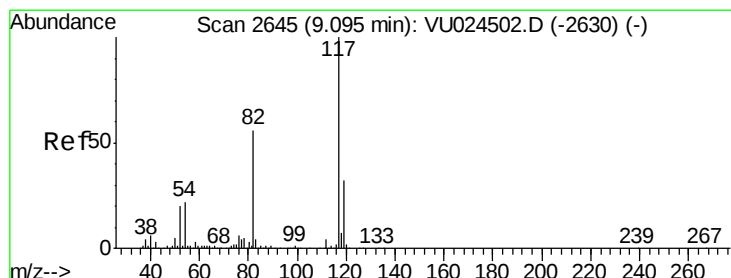
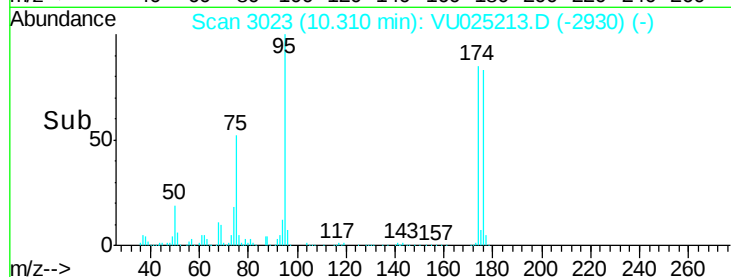
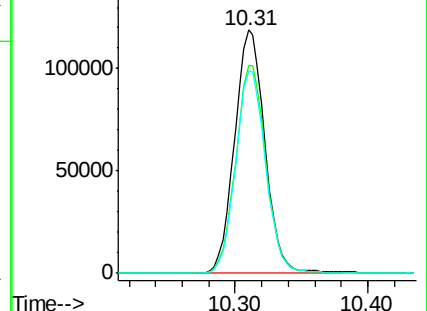
176 82.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

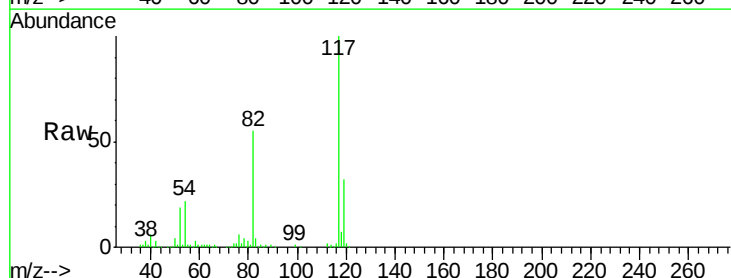
Tgt Ion: 117 Resp: 325120

Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

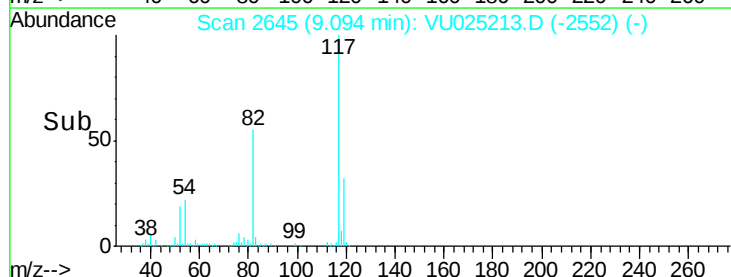
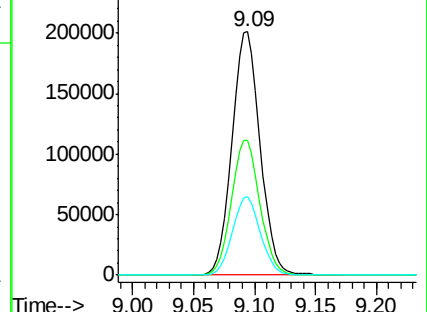
119 32.1 25.4 38.2

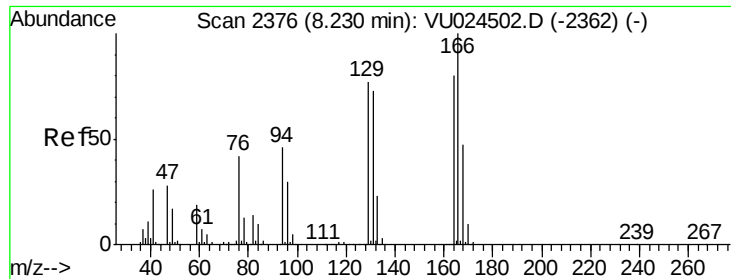


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)

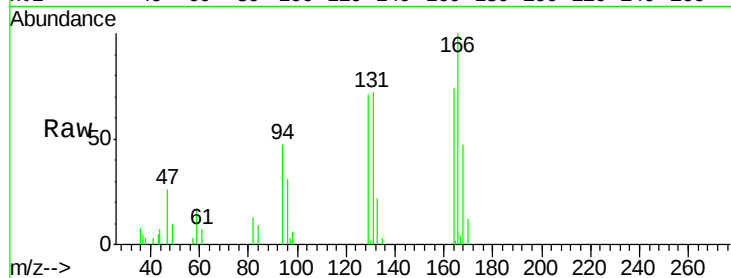




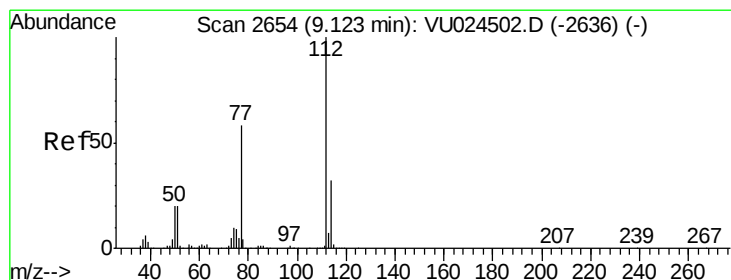
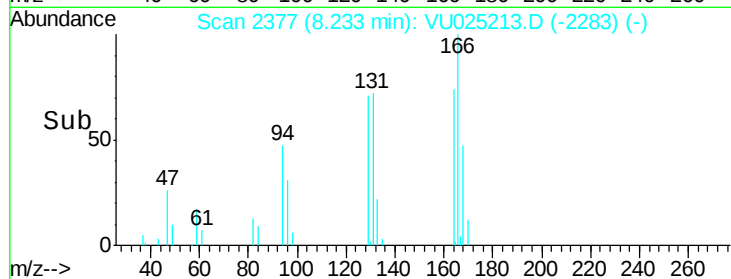
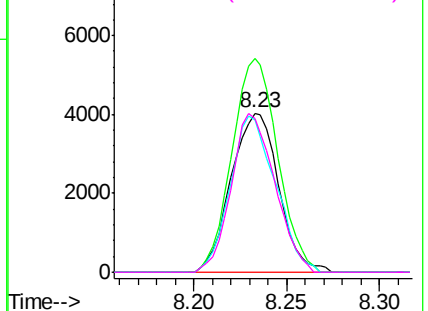
#64
Tetrachloroethene
Concen: 2.32 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 7183
Ion Ratio Lower Upper
164 100
166 134.5 101.7 152.5
129 96.1 76.9 115.3
131 96.5 74.9 112.3

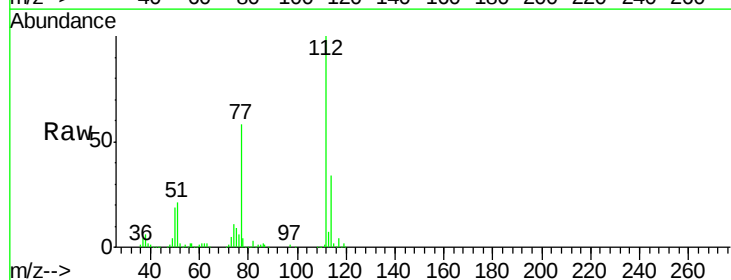


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

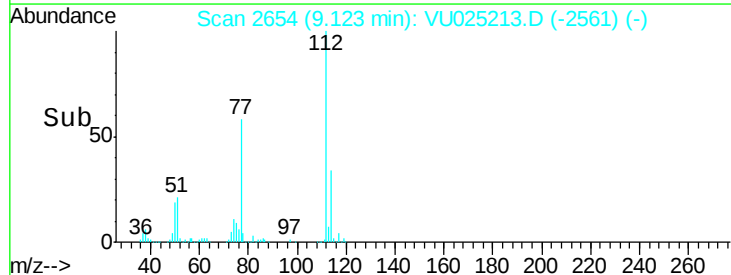
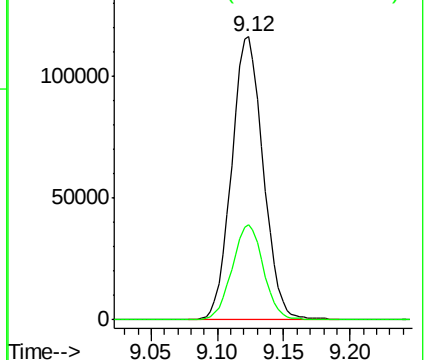


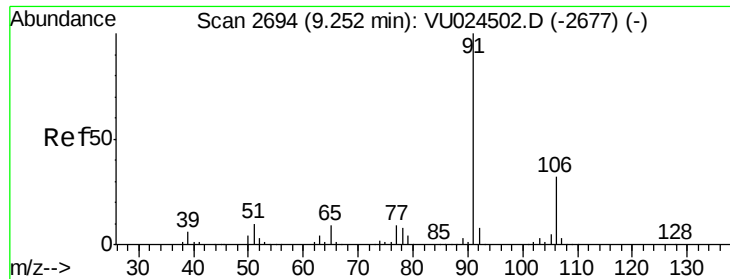
#65
Chlorobenzene
Concen: 23.21 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion:112 Resp: 192747
Ion Ratio Lower Upper
112 100
114 33.7 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 2.77 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

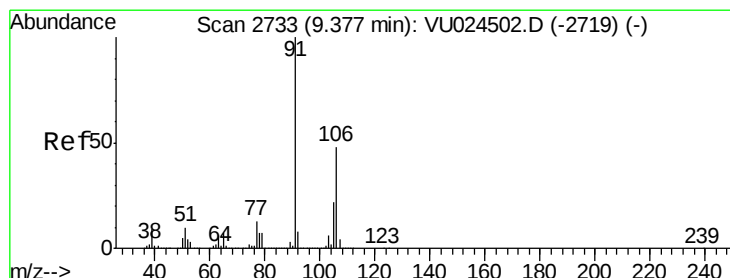
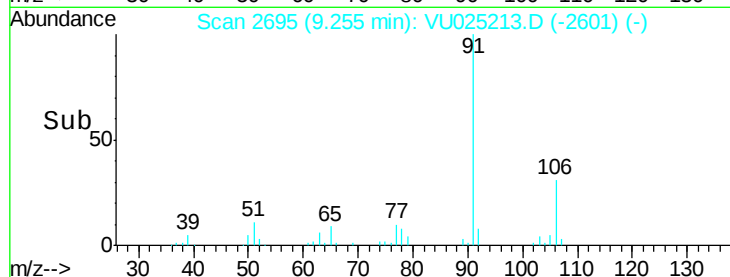
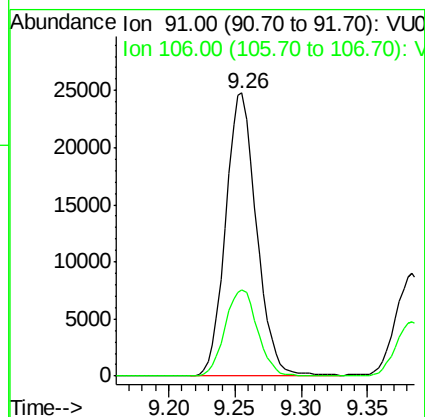
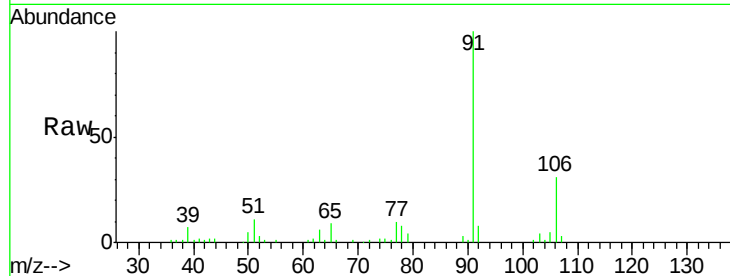
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 40268

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.4



#68

m/p-Xylenes

Concen: 1.41 ug/l

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU025213.D

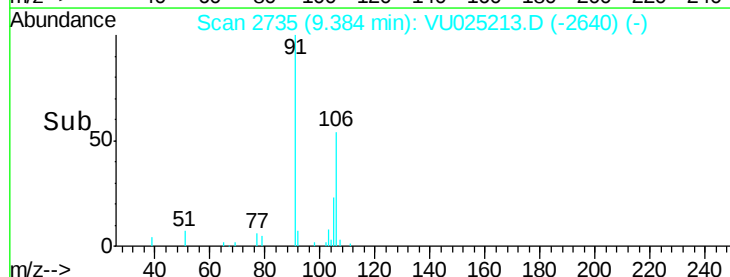
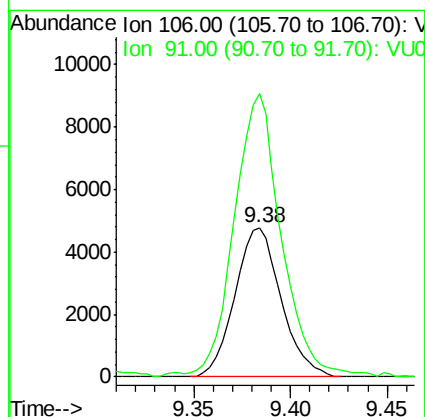
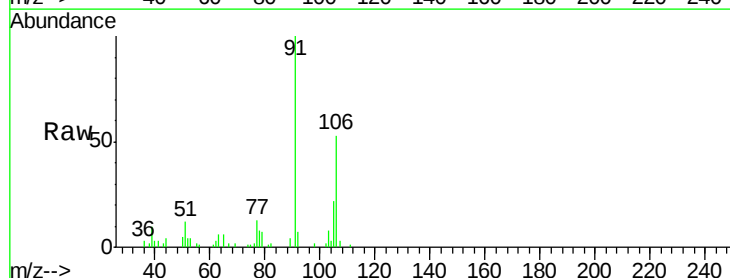
Acq: 05 Jul 2018 14:12

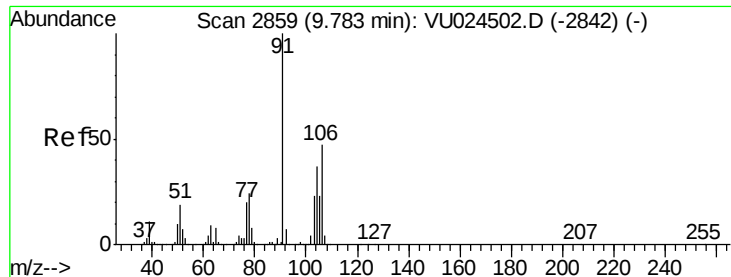
Tgt Ion: 106 Resp: 7894

Ion Ratio Lower Upper

106 100

91 195.2 166.5 249.7

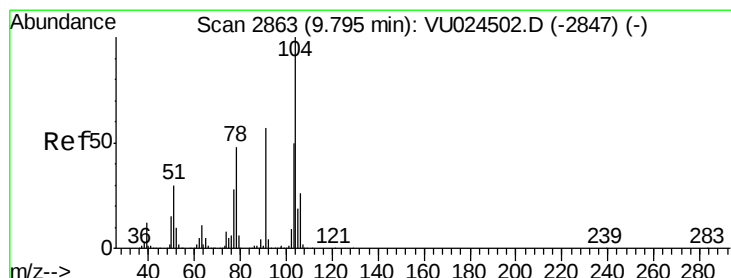
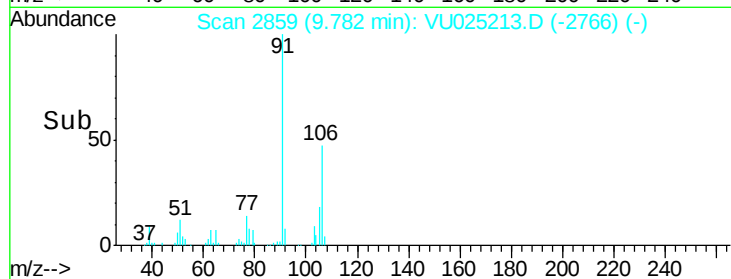
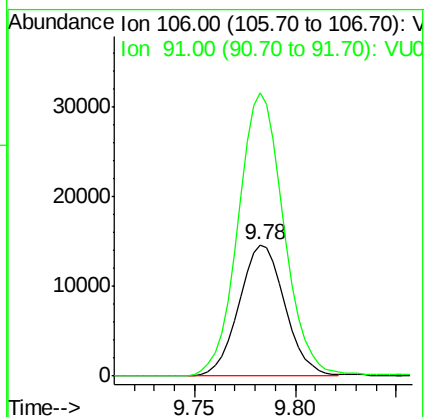
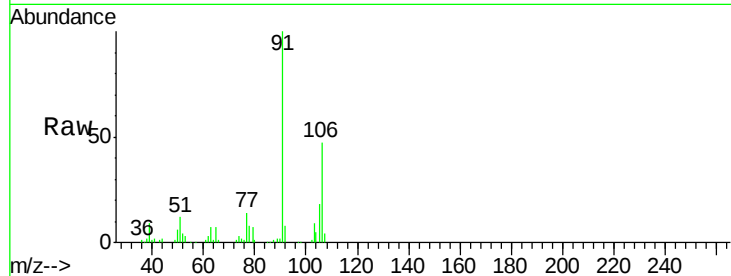




#69
o-Xylene
Concen: 4.20 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

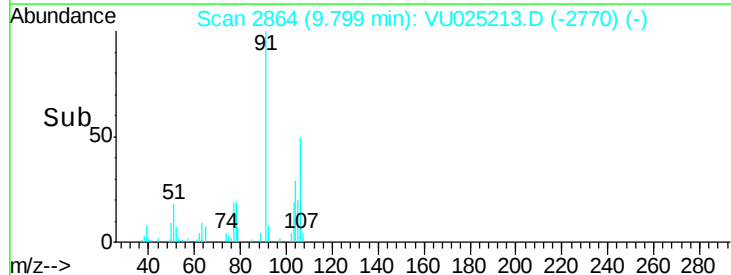
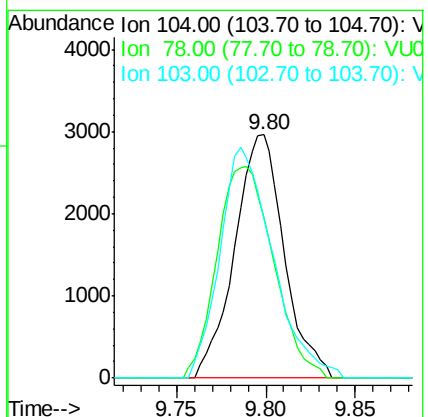
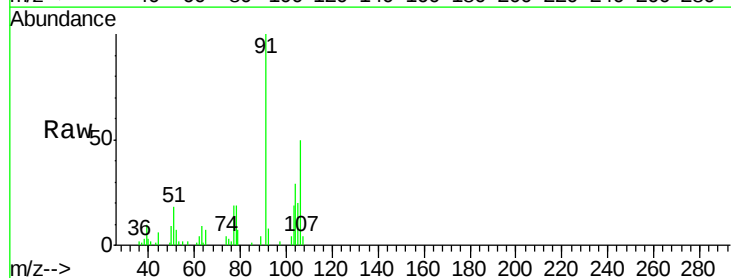
Instrument :
MSVOA_U
ClientSampleId :

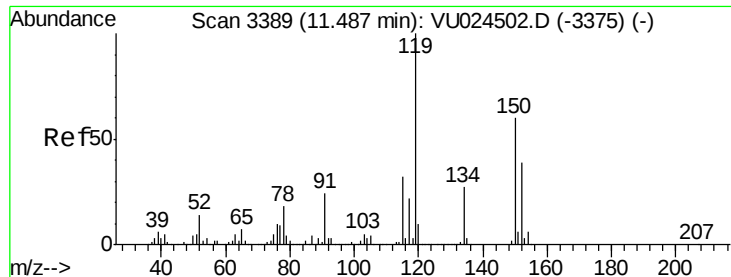
Tot Ion:106 Resp: 23266
Ion Ratio Lower Upper
106 100
91 216.3 110.7 331.9



#70
Styrene
Concen: 0.63 ug/l
RT: 9.80 min Scan# 2864
Delta R.T. 0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion:104 Resp: 5737
Ion Ratio Lower Upper
104 100
78 98.9 40.6 60.8#
103 101.2 44.7 67.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampleId :

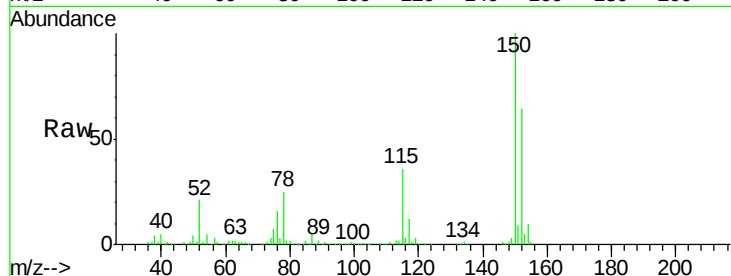
Tot Ion:152 Resp: 180367

Ion Ratio Lower Upper

152 100

115 56.3 43.0 129.0

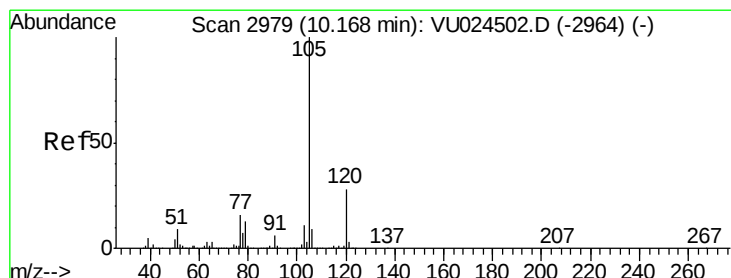
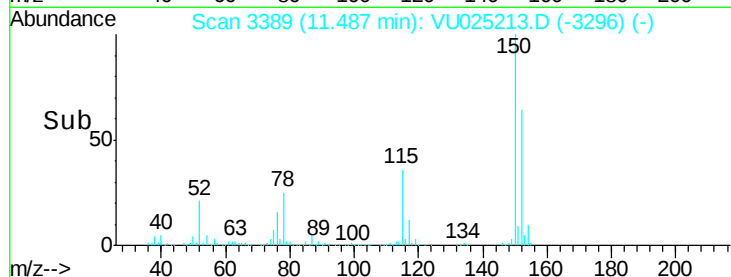
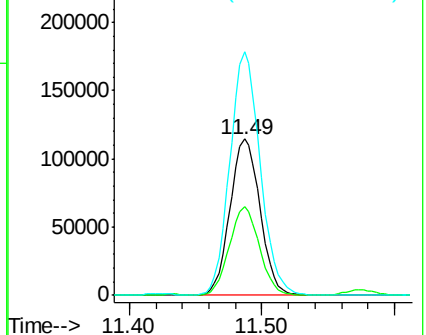
150 156.9 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.69 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025213.D

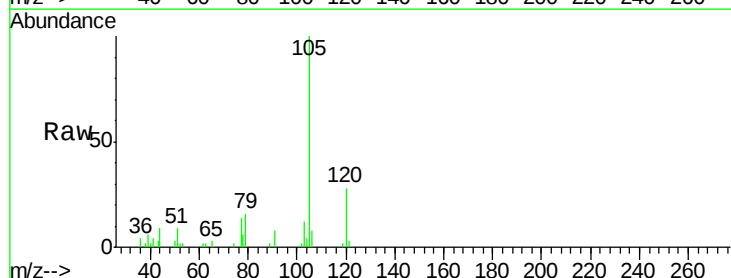
Acq: 05 Jul 2018 14:12

Tgt Ion:105 Resp: 9613

Ion Ratio Lower Upper

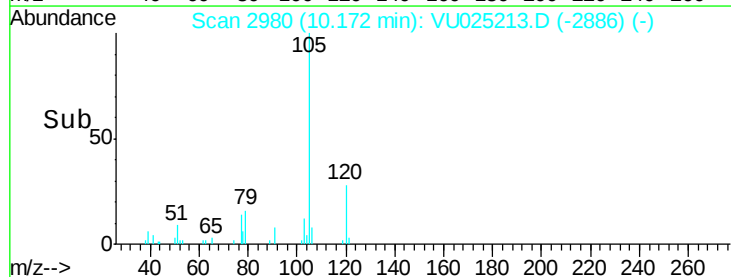
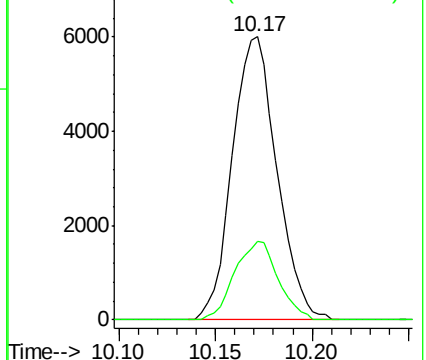
105 100

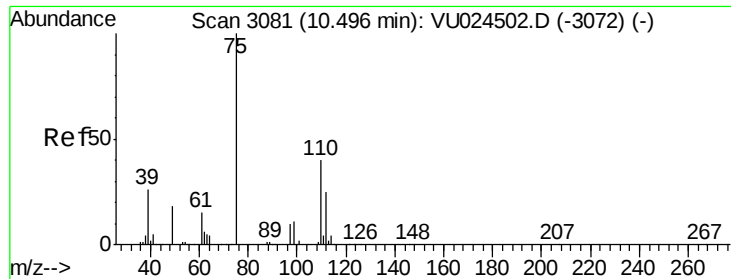
120 27.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.37 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

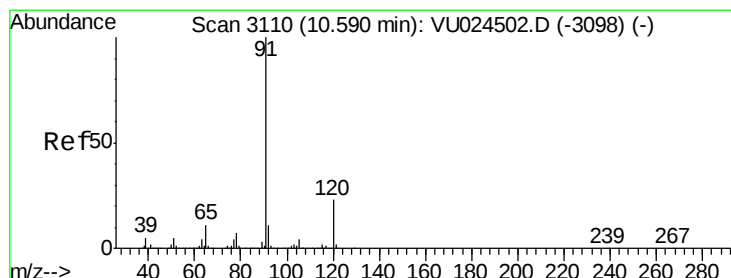
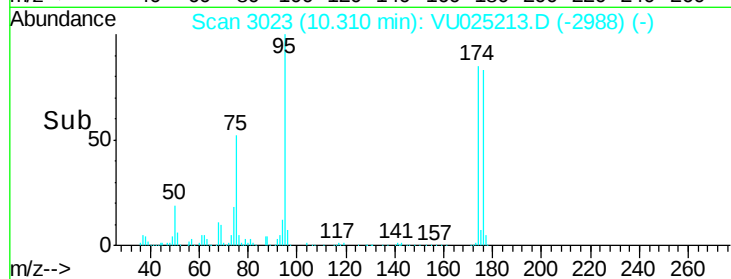
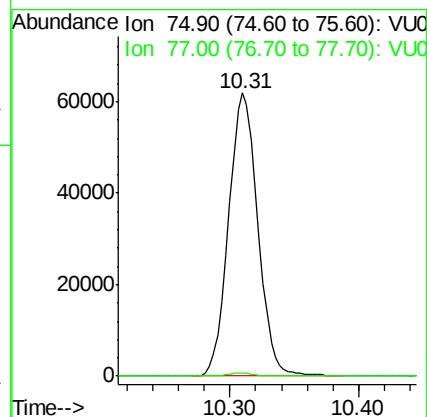
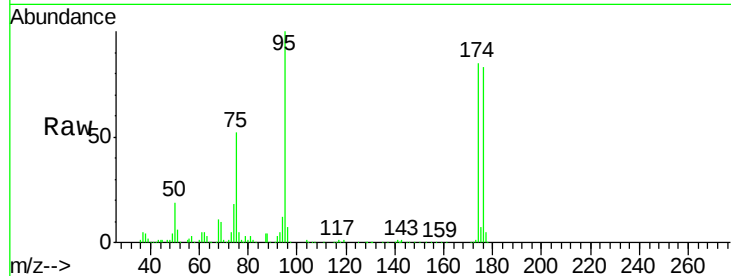
ClientSampleId :

Tot Ion: 75 Resp: 96778

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#78

n-propylbenzene

Concen: 0.48 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025213.D

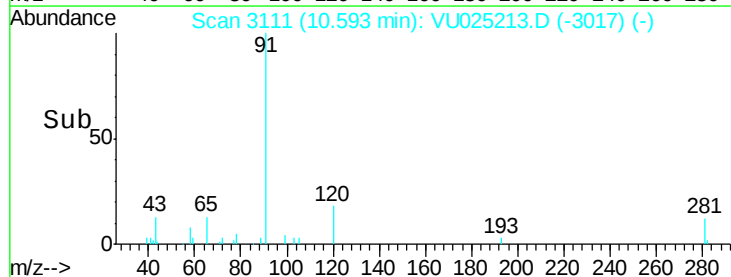
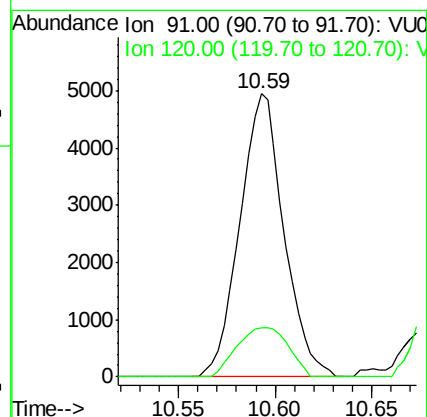
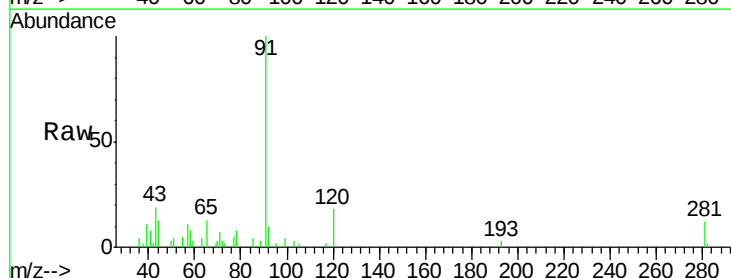
Acq: 05 Jul 2018 14:12

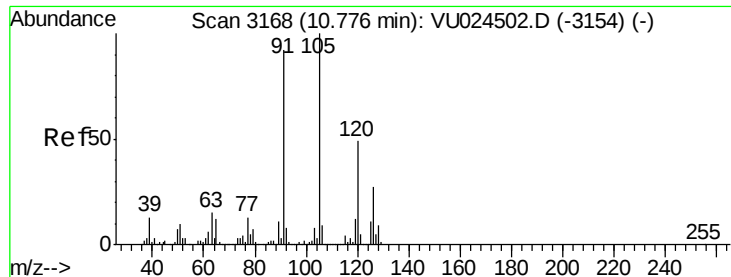
Tgt Ion: 91 Resp: 7818

Ion Ratio Lower Upper

91 100

120 20.4 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 3.98 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

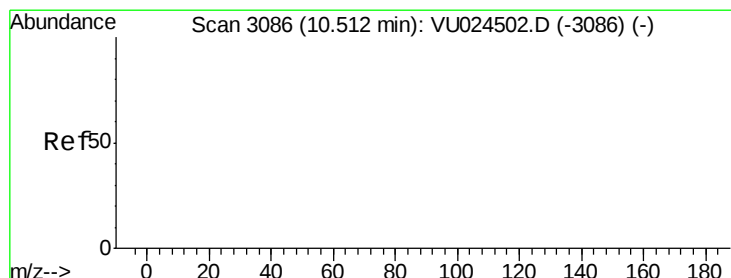
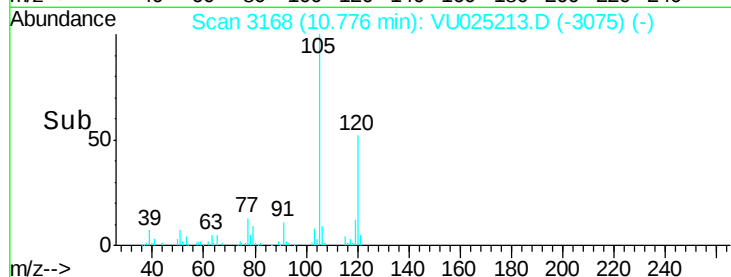
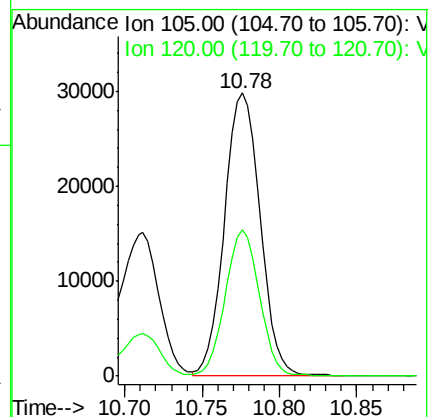
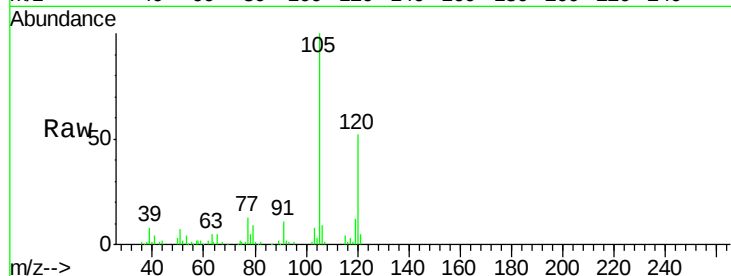
ClientSampleId :

Tot Ion:105 Resp: 47797

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 56.40 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

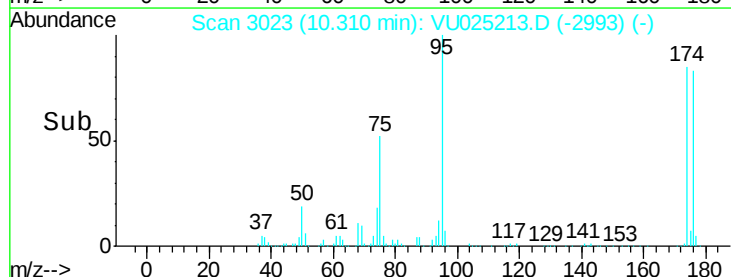
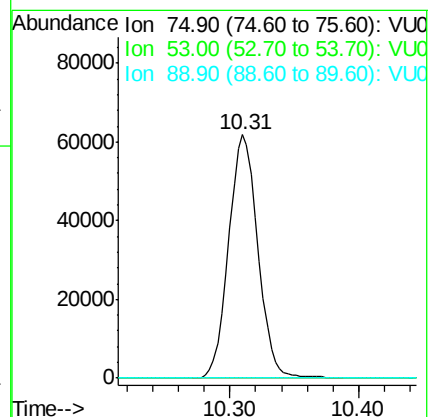
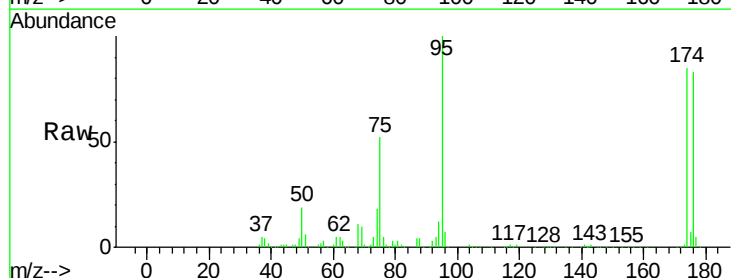
Tgt Ion: 75 Resp: 96778

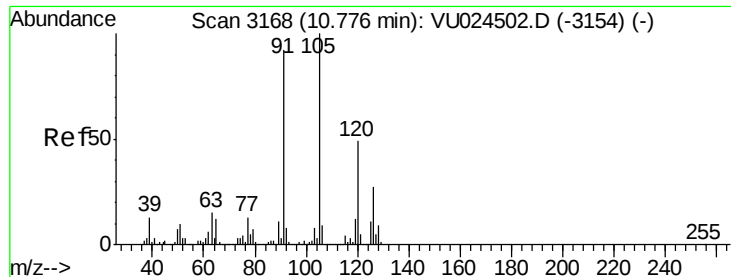
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0#





#82

4-Chlorotoluene

Concen: 0.49 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

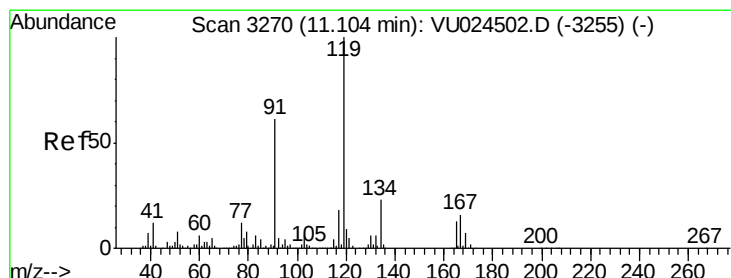
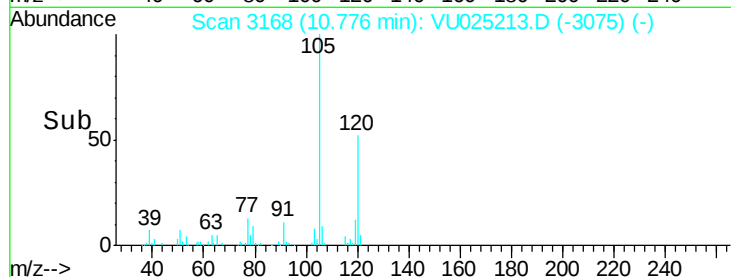
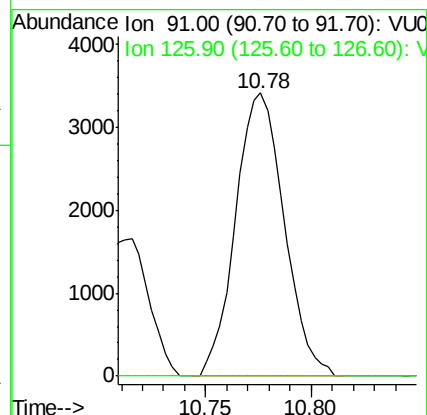
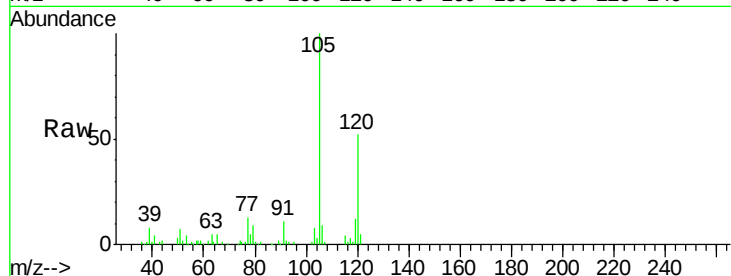
ClientSampled :

Tot Ion: 91 Resp: 5467

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



#83

tert-Butylbenzene

Concen: 1.00 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

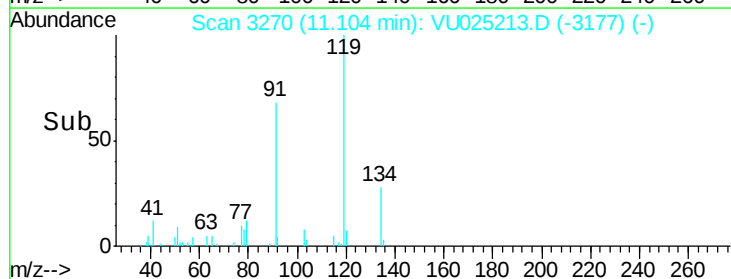
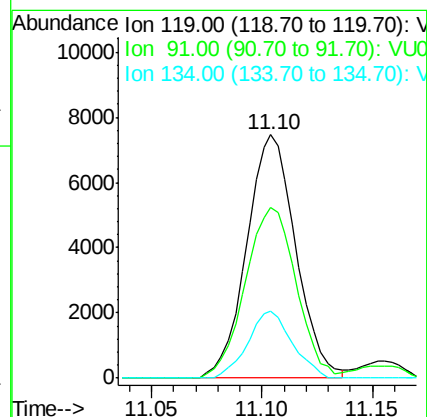
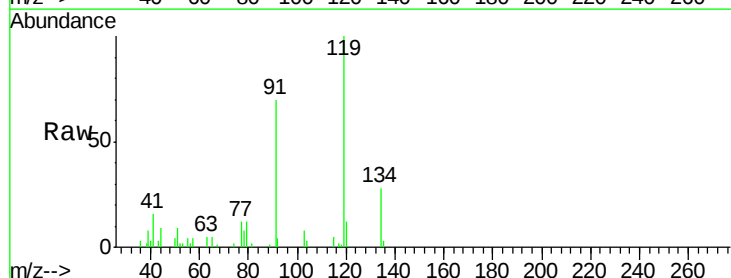
Tgt Ion: 119 Resp: 11515

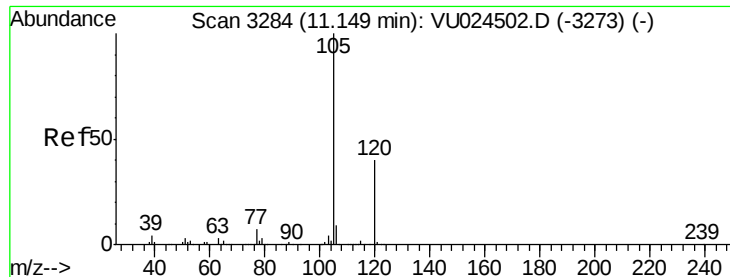
Ion Ratio Lower Upper

119 100

91 73.2 29.7 89.1

134 24.8 11.6 34.7

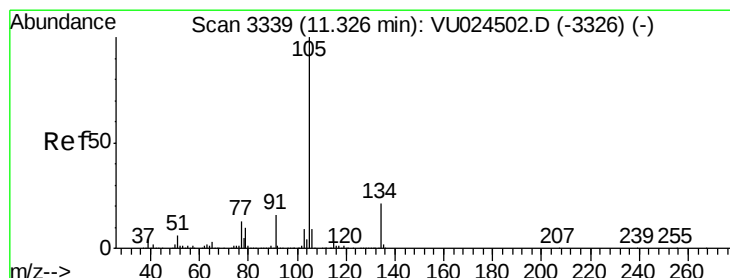
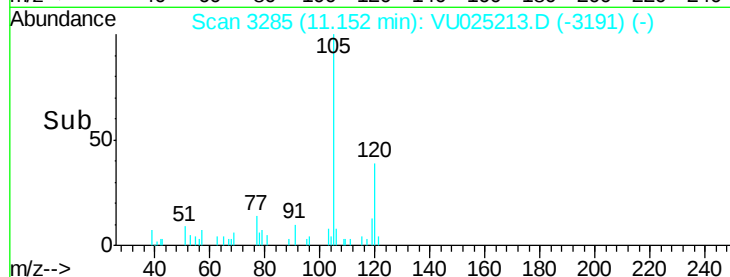
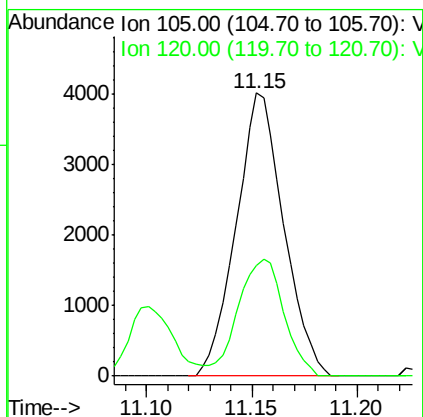
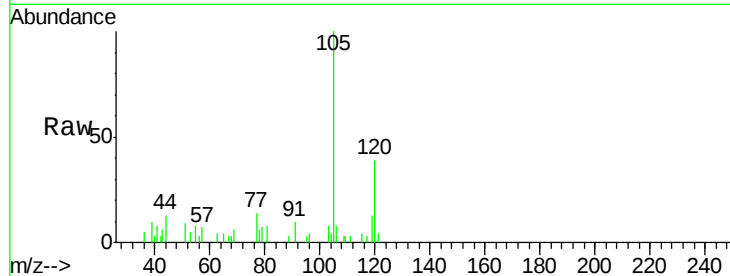




#84
 1,2,4-Trimethylbenzene
 Concen: 0.51 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

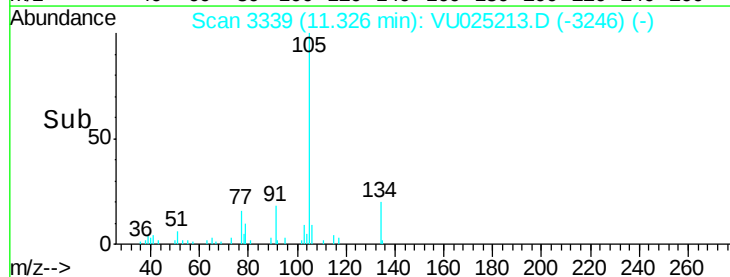
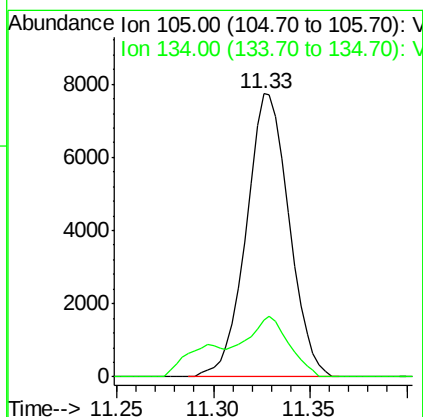
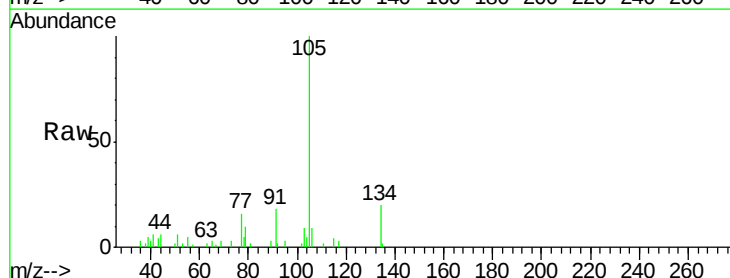
Instrument :
 MSVOA_U
 ClientSampleId :

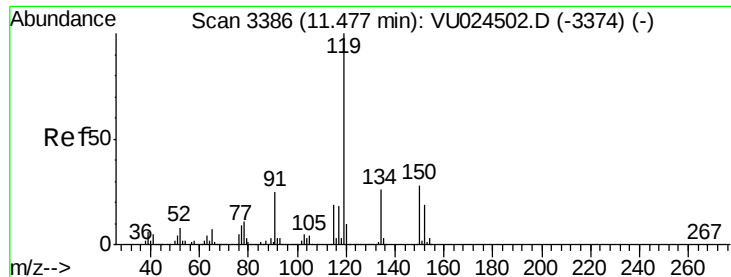
Tot Ion:105 Resp: 6276
 Ion Ratio Lower Upper
 105 100
 120 40.2 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 0.82 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

Tgt Ion:105 Resp: 11922
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.71 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampled :

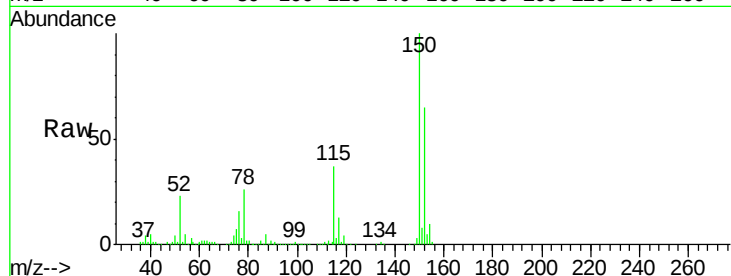
Tot Ion:119 Resp: 9147

Ion Ratio Lower Upper

119 100

134 28.6 12.9 38.6

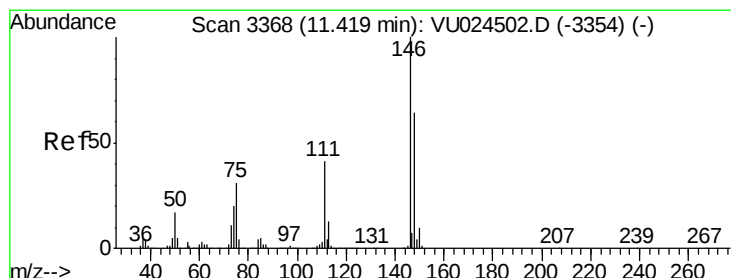
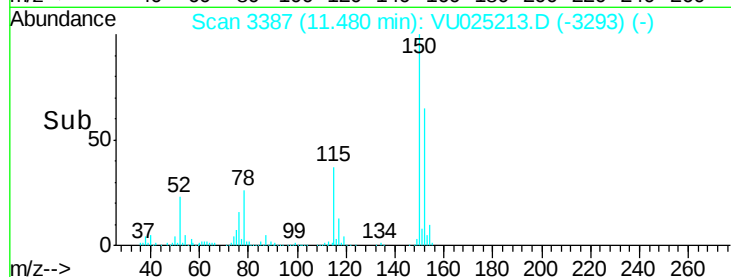
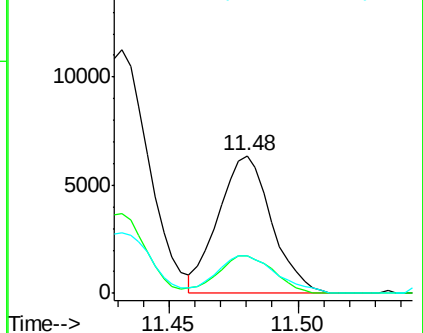
91 30.8 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#87

1,3-Dichlorobenzene

Concen: 3.90 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

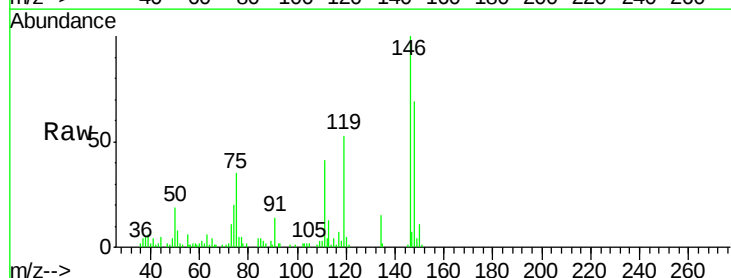
Tgt Ion:146 Resp: 25252

Ion Ratio Lower Upper

146 100

111 40.3 20.0 60.0

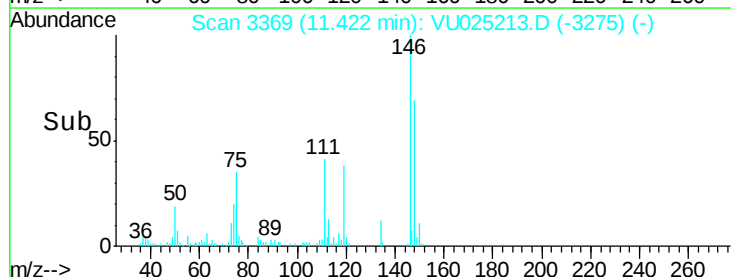
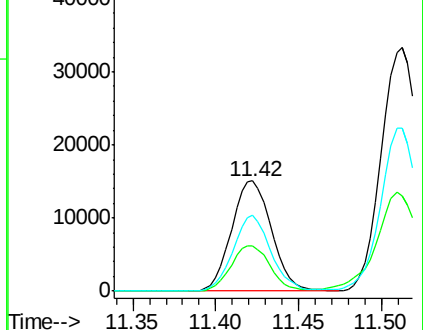
148 64.9 32.1 96.5

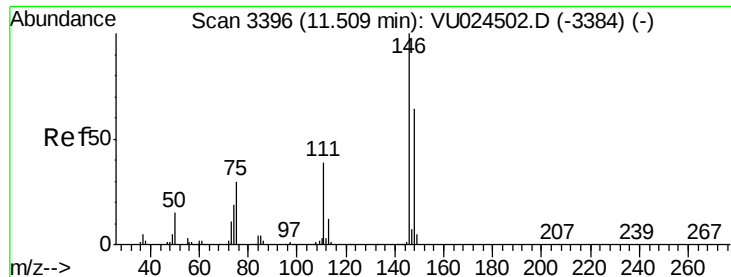


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

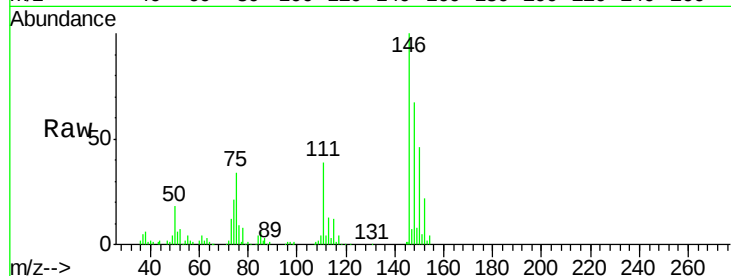




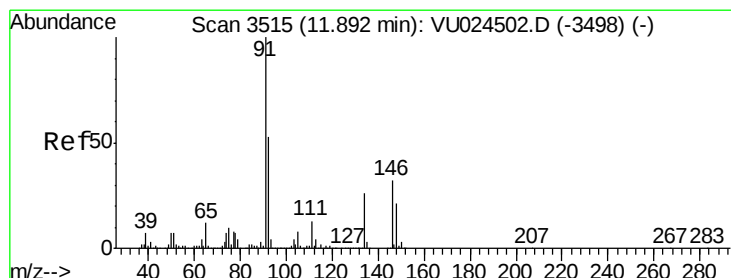
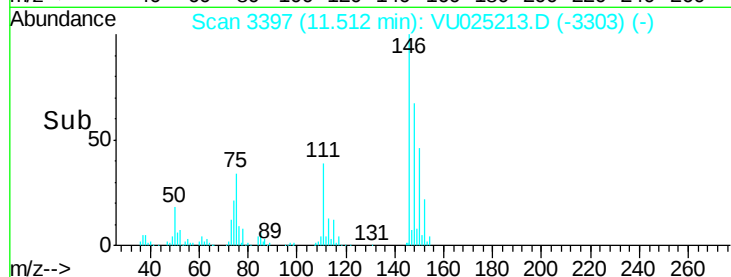
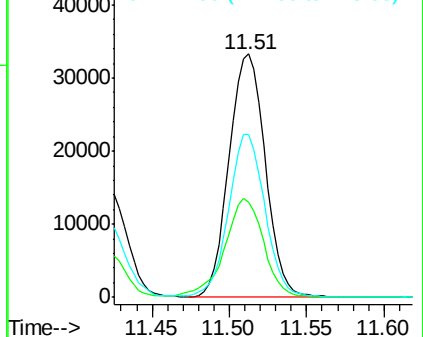
#88
 1,4-Dichlorobenzene
 Concen: 8.33 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 54304
 Ion Ratio Lower Upper
 146 100
 111 43.6 19.5 58.5
 148 67.2 32.4 97.0

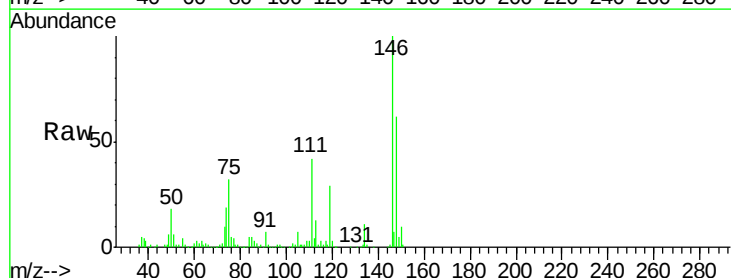


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

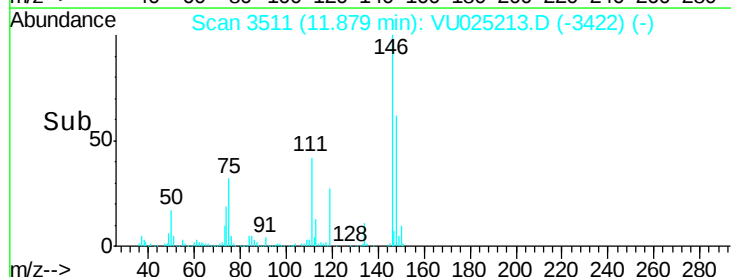
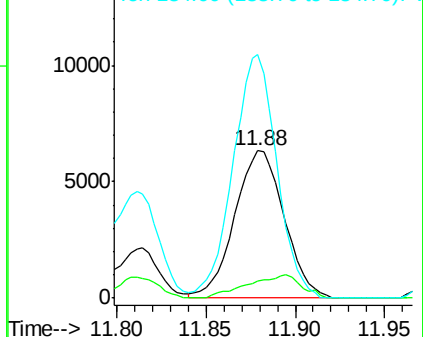


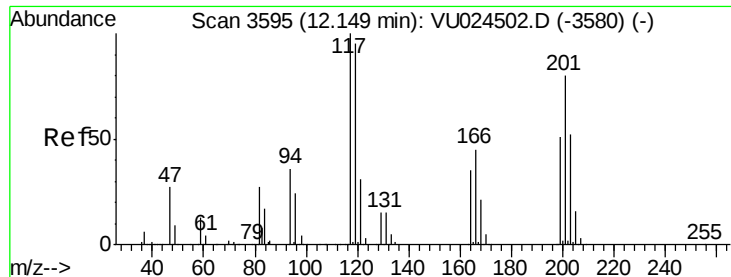
#89
 n-Butylbenzene
 Concen: 1.07 ug/l
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.01 min
 Lab File: VU025213.D
 Acq: 05 Jul 2018 14:12

Tgt Ion: 91 Resp: 12243
 Ion Ratio Lower Upper
 91 100
 92 17.3 25.6 76.8#
 134 146.3 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V

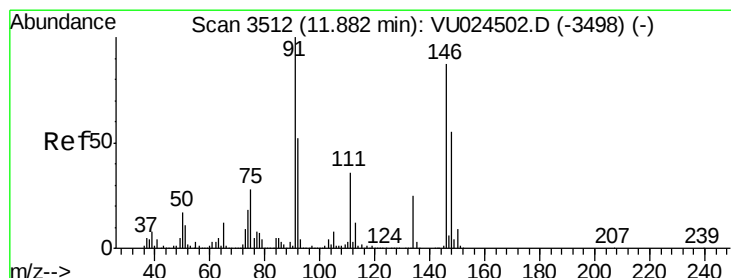
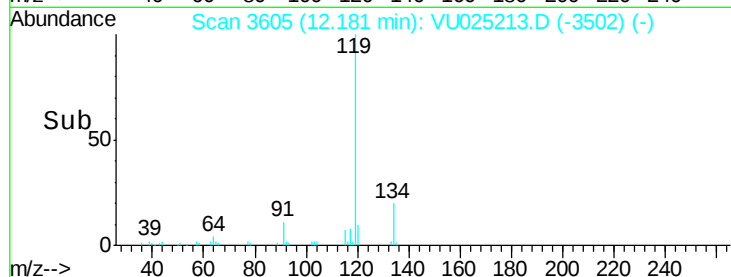
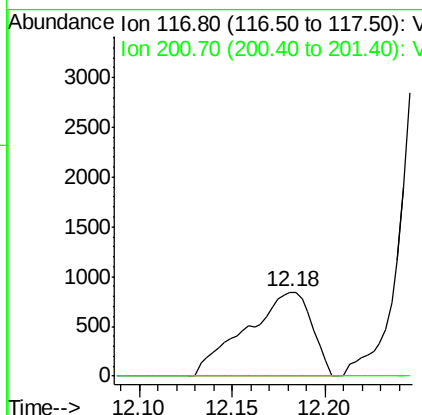
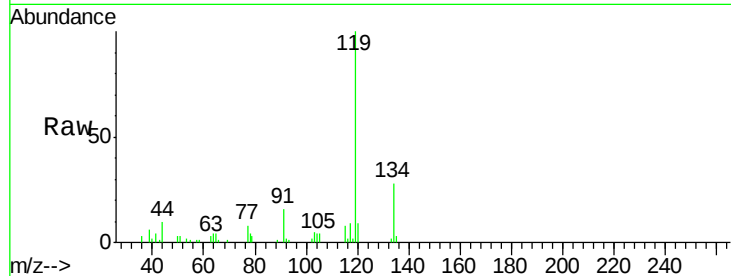




#90
Hexachloroethane
Concen: 0.83 ug/l
RT: 12.18 min Scan# 3605
Delta R.T. 0.03 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

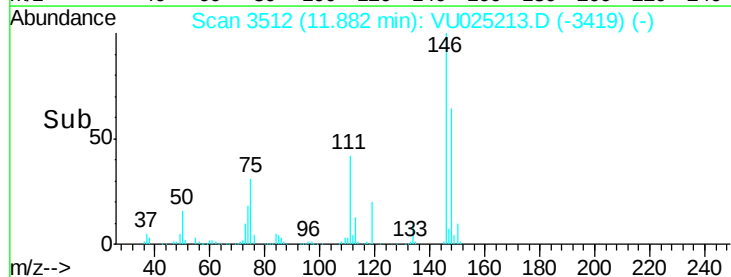
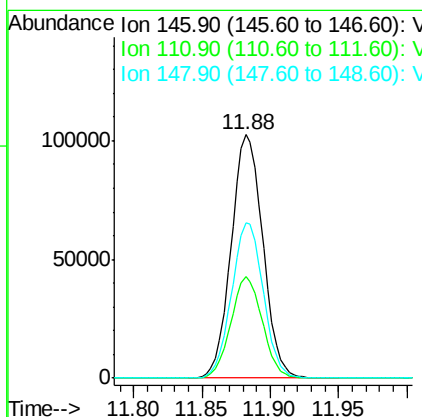
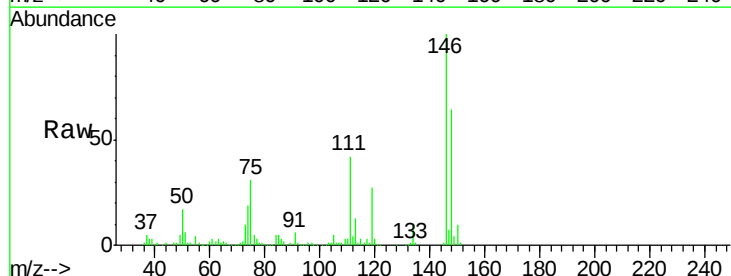
Instrument :
MSVOA_U
ClientSampleId :

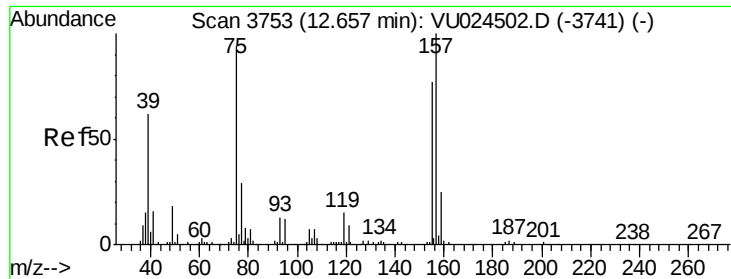
Tot Ion:117 Resp: 2090
Ion Ratio Lower Upper
117 100
201 0.0 41.1 123.3#



#91
1,2-Dichlorobenzene
Concen: 25.56 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025213.D
Acq: 05 Jul 2018 14:12

Tgt Ion:146 Resp: 165817
Ion Ratio Lower Upper
146 100
111 41.2 20.5 61.6
148 63.8 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.33 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

Instrument :

MSVOA_U

ClientSampleId :

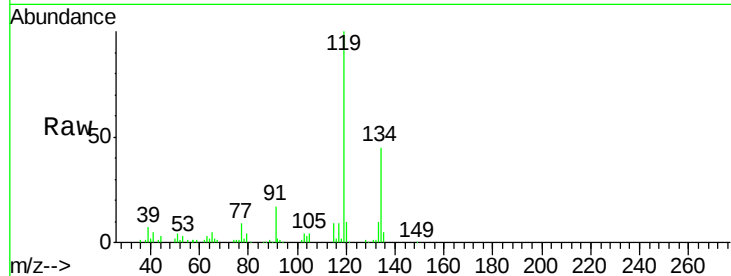
Tot Ion: 75 Resp: 428

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

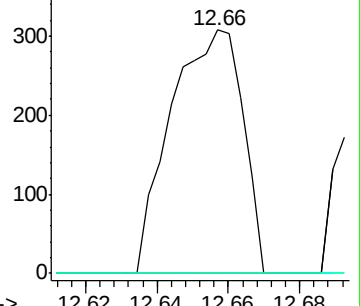
157 0.0 52.3 156.8#



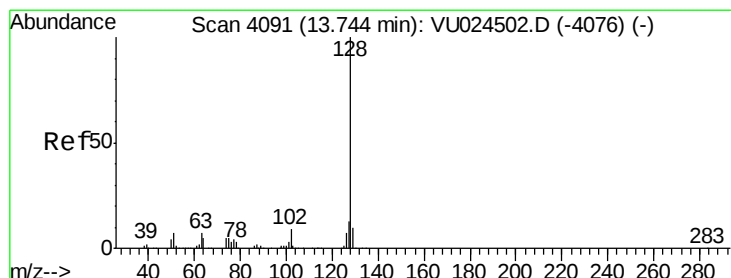
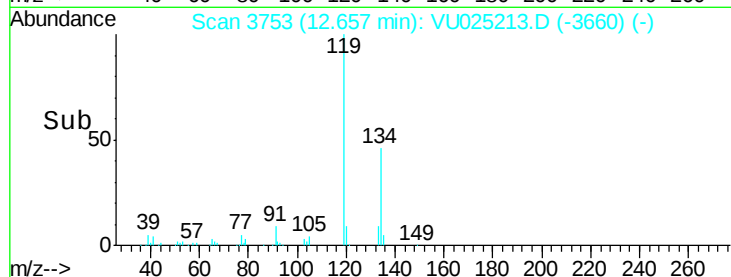
Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU024502.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU024502.D (-3741) (-)



Time-->



#95

Naphthalene

Concen: 6.65 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025213.D

Acq: 05 Jul 2018 14:12

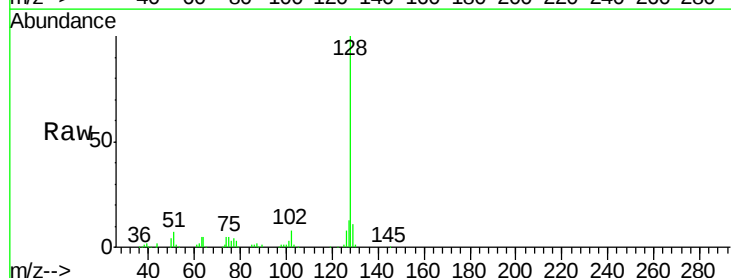
Tgt Ion: 128 Resp: 80285

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

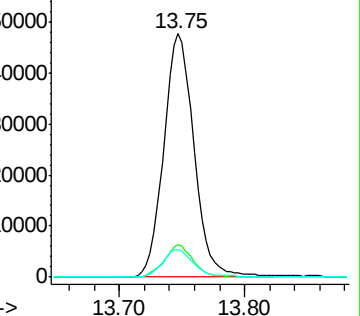
129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)



Time-->

