

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025254.D
 Acq On : 06 Jul 2018 20:54
 Operator : MD/SY
 Sample : VU0707WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 06 23:32:21 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	155002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	235531	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	220461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	126079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	123648	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	4.89	113	97650	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	7.57	98	328344	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	10.31	95	127509	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30141	15.536	ug/l	98
3) Chloromethane	1.33	50	31906	16.097	ug/l	98
4) Vinyl Chloride	1.40	62	33623	16.448	ug/l	99
5) Bromomethane	1.62	94	21645	21.904	ug/l	100
6) Chloroethane	1.70	64	23114	19.595	ug/l	98
7) Trichlorofluoromethane	1.89	101	54965	17.619	ug/l	99
8) Diethyl Ether	2.10	74	21253	18.847	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	34405	17.777	ug/l	98
10) Methyl Iodide	2.41	142	32433	22.996	ug/l	96
11) Tert butyl alcohol	2.82	59	60514	98.329	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30866	17.489	ug/l	95
13) Acrolein	2.19	56	34828	107.768	ug/l	98
14) Allyl chloride	2.59	41	49803	15.198	ug/l	94
15) Acrylonitrile	2.94	53	118028	98.572	ug/l	99
16) Acetone	2.32	43	129124	94.972	ug/l	97
17) Carbon Disulfide	2.48	76	75503	13.360	ug/l	99
18) Methyl Acetate	2.62	43	57090	19.587	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	124483	18.764	ug/l	98
20) Methylene Chloride	2.70	84	40344	18.911	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	32619	16.780	ug/l	96
22) Diisopropyl ether	3.57	45	117751	18.126	ug/l #	89
23) Vinyl Acetate	3.53	43	520455	89.437	ug/l	100
24) 1,1-Dichloroethane	3.45	63	66578	17.816	ug/l	97
25) 2-Butanone	4.26	43	179442	98.257	ug/l	99
26) 2,2-Dichloropropane	4.23	77	56992	16.061	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	40916	18.308	ug/l	99
28) Bromochloromethane	4.55	49	36948	22.447	ug/l	85
29) Tetrahydrofuran	4.64	42	110185	97.428	ug/l	98
30) Chloroform	4.68	83	70950	18.757	ug/l	99
31) Cyclohexane	5.00	56	57687	16.042	ug/l #	95
32) 1,1,1-Trichloroethane	4.92	97	64350	18.397	ug/l	95
36) 1,1-Dichloropropene	5.14	75	48547	17.541	ug/l	99
37) Ethyl Acetate	4.38	43	62340	20.666	ug/l #	91
38) Carbon Tetrachloride	5.14	117	54514	17.912	ug/l	98

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Quant Time: Jul 06 23:32:21 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	56546	16.372	ug/l	98
40) Benzene	5.39	78	143616	18.211	ug/l	98
41) Methacrylonitrile	4.54	41	34676	21.320	ug/l	98
42) 1,2-Dichloroethane	5.41	62	61368	20.431	ug/l	99
43) Isopropyl Acetate	5.55	43	98036	18.801	ug/l	100
44) Trichloroethene	6.19	130	40164	17.895	ug/l	98
45) 1,2-Dichloropropane	6.44	63	38350	18.225	ug/l	97
46) Dibromomethane	6.56	93	27992	18.938	ug/l	94
47) Bromodichloromethane	6.76	83	52469	17.827	ug/l	99
48) Methyl methacrylate	6.63	41	49430	19.468	ug/l	98
49) 1,4-Dioxane	6.61	88	24586	495.146	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	325961	99.504	ug/l	99
52) Toluene	7.64	92	91997	18.132	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	54255	16.415	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	59229	16.817	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	39884	19.338	ug/l	98
56) Ethyl methacrylate	8.02	69	62060	17.978	ug/l	97
57) 1,3-Dichloropropane	8.25	76	66373	19.077	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	81837	61.882	ug/l	96
59) 2-Hexanone	8.36	43	255099	95.384	ug/l	100
60) Dibromochloromethane	8.48	129	41302	16.059	ug/l	98
61) 1,2-Dibromoethane	8.59	107	43029	18.744	ug/l	99
64) Tetrachloroethene	8.23	164	38593	18.416	ug/l	98
65) Chlorobenzene	9.12	112	104544	18.563	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	38680	18.077	ug/l	96
67) Ethyl Benzene	9.25	91	176169	17.843	ug/l	98
68) m/p-Xylenes	9.38	106	136903	36.109	ug/l	99
69) o-Xylene	9.78	106	69406	18.498	ug/l	97
70) Styrene	9.80	104	109043	17.684	ug/l	97
71) Bromoform	9.96	173	31545	15.511	ug/l #	97
73) Isopropylbenzene	10.17	105	183578	18.965	ug/l	99
74) N-amyl acetate	10.01	43	81823	17.771	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	65520	20.199	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	74375	26.794	ug/l	85
77) Bromobenzene	10.45	156	47106	19.222	ug/l	94
78) n-propylbenzene	10.59	91	202497	17.759	ug/l	97
79) 2-Chlorotoluene	10.66	91	125899	18.723	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	155294	18.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	74375	62.013	ug/l #	100
82) 4-Chlorotoluene	10.78	91	139411	17.813	ug/l	99
83) tert-Butylbenzene	11.10	119	154597	19.156	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	154348	18.052	ug/l	99
85) sec-Butylbenzene	11.33	105	182123	18.028	ug/l	98
86) p-Isopropyltoluene	11.48	119	158213	17.487	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	82360	18.191	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	82013	17.998	ug/l	98
89) n-Butylbenzene	11.89	91	118671	14.774	ug/l	98
90) Hexachloroethane	12.15	117	26230	14.861	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	85382	18.828	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15672	17.510	ug/l	93

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	45580	16.277	ug/l	98
94) Hexachlorobutadiene	13.70	225	27779	17.624	ug/l	98
95) Naphthalene	13.75	128	155843	17.261	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	50774	18.196	ug/l	99

(#) = 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: VU025254.D

Acq: 06 Jul 2018 20:54

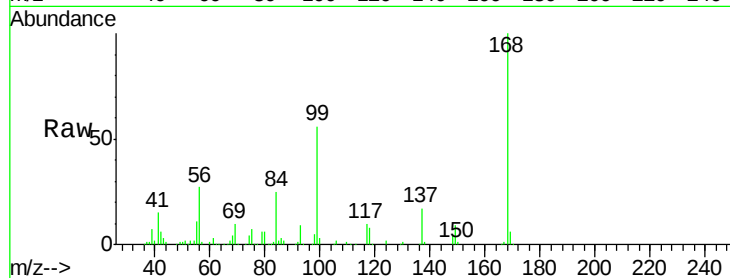
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 155002

Ion Ratio Lower Upper

168 100

99 55.3 43.2 64.8



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

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

4.99

80000

60000

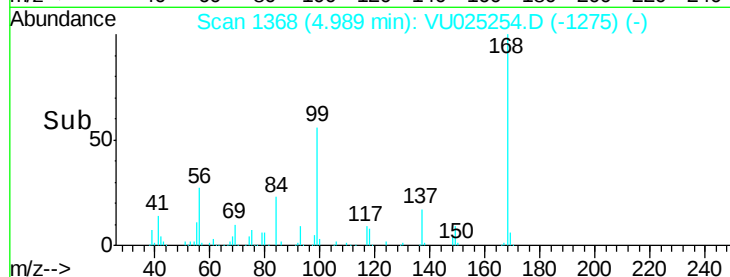
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.536 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025254.D

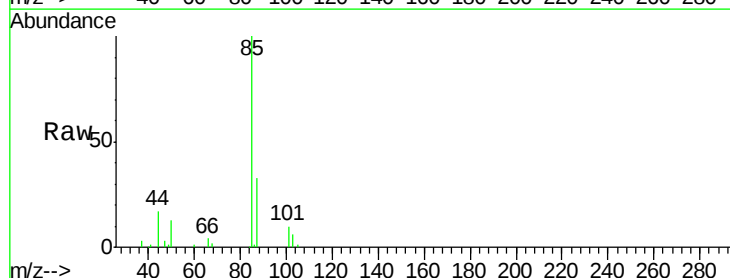
Acq: 06 Jul 2018 20:54

Tgt Ion: 85 Resp: 30141

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



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

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

1.20

30000

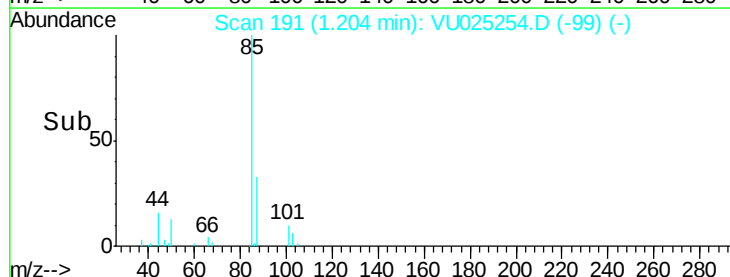
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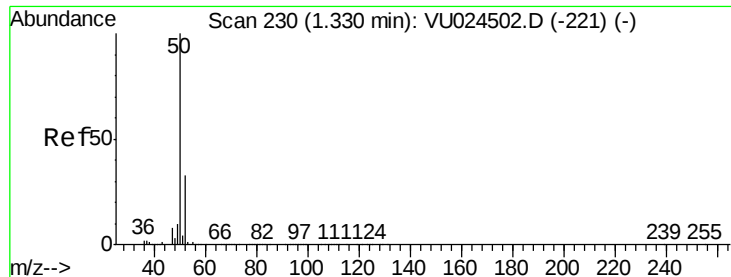
10000

0

1.15 1.20 1.25

Time-->

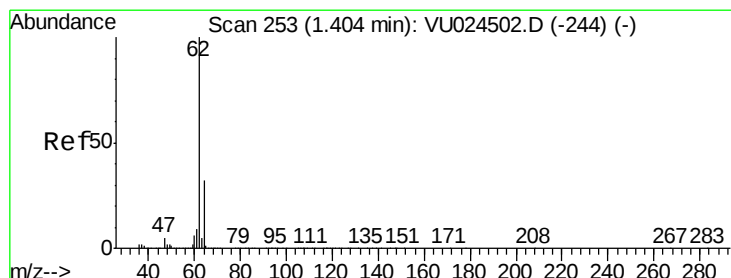
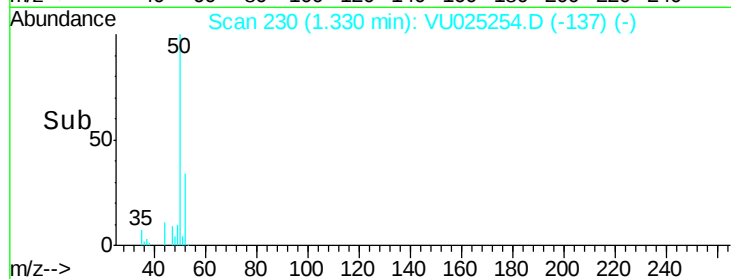
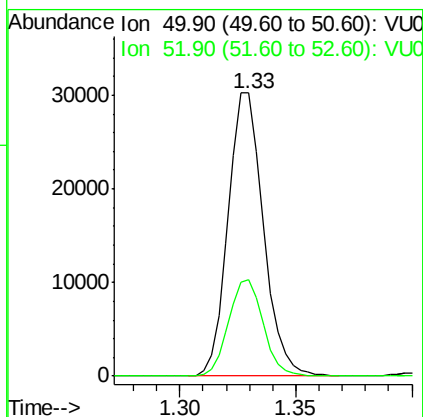
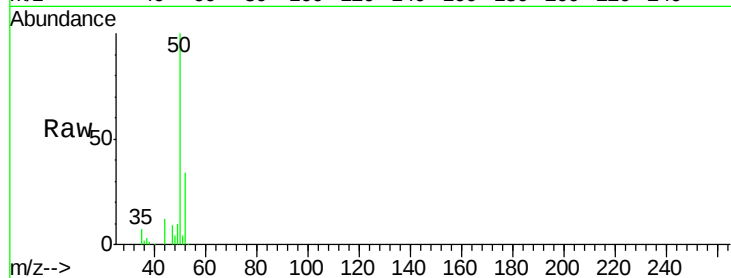




#3
Chloromethane
Concen: 16.097 ug/l
RT: 1.33 min Scan# 230
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

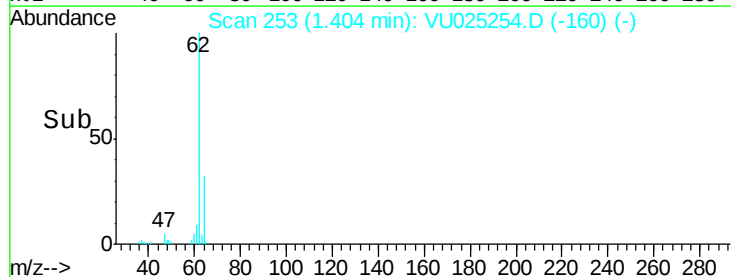
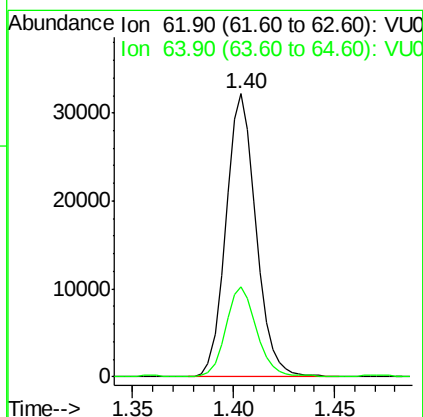
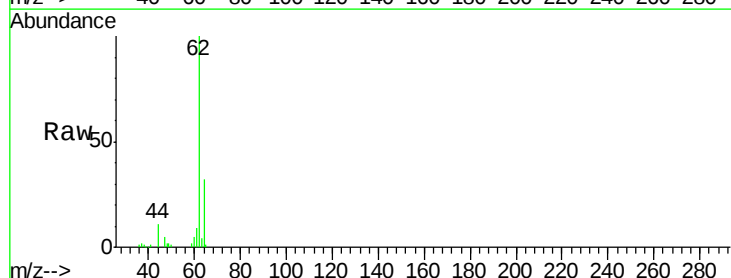
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 31906
Ion Ratio Lower Upper
50 100
52 34.1 26.4 39.6



#4
Vinyl Chloride
Concen: 16.448 ug/l
RT: 1.40 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 62 Resp: 33623
Ion Ratio Lower Upper
62 100
64 31.7 24.8 37.2





#5

Bromomethane

Concen: 21.904 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

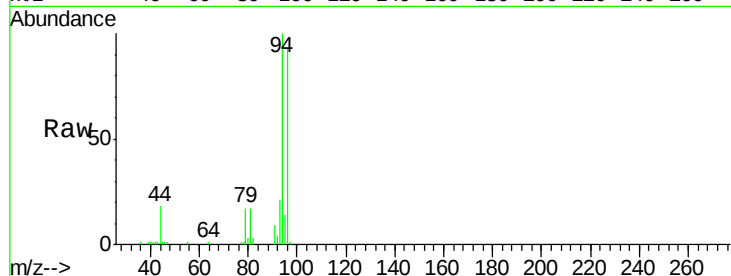
ClientSampleId :

Tot Ion: 94 Resp: 21645

Ion Ratio Lower Upper

94 100

96 92.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU025254.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU025254.D (-228) (-)

1.62

20000

15000

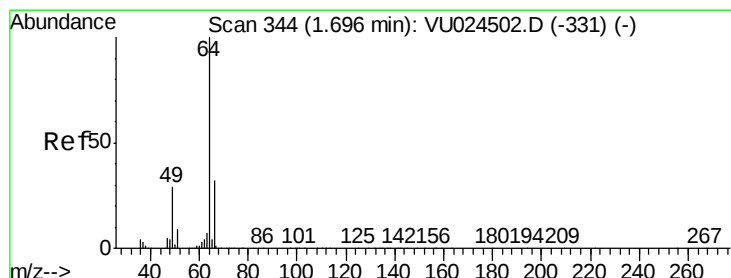
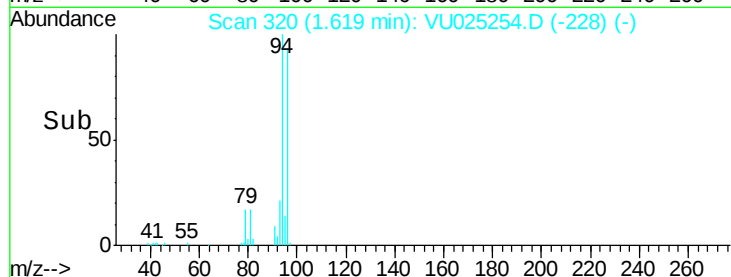
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 19.595 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025254.D

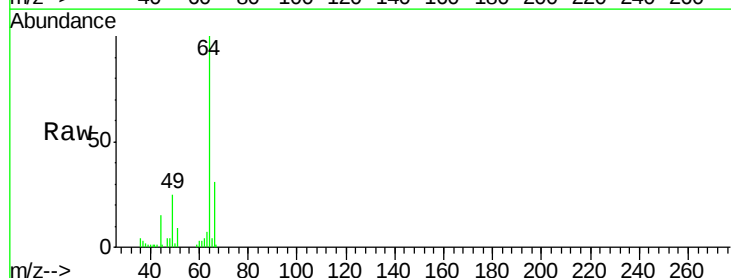
Acq: 06 Jul 2018 20:54

Tgt Ion: 64 Resp: 23114

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU025254.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU025254.D (-251) (-)

1.70

20000

15000

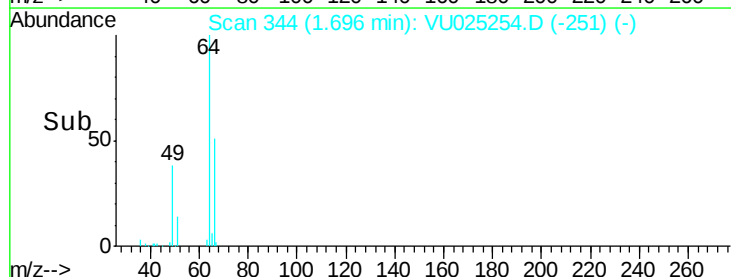
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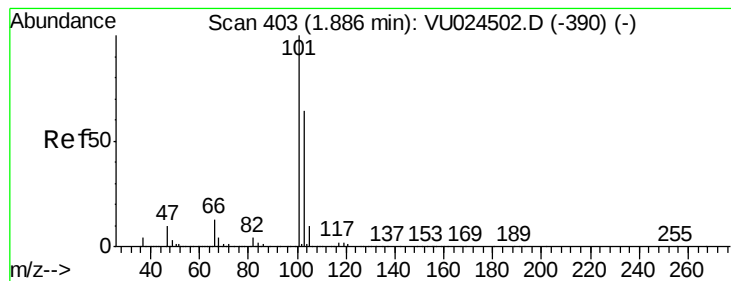
5000

0

Time-->

1.65 1.70 1.75



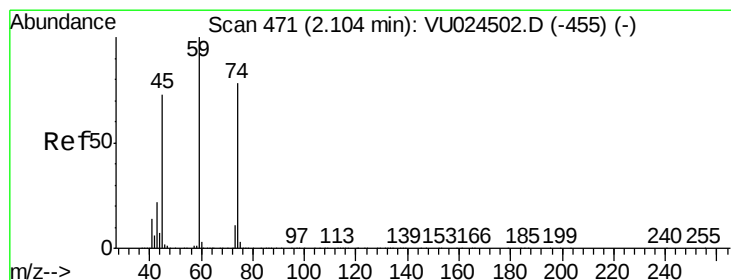
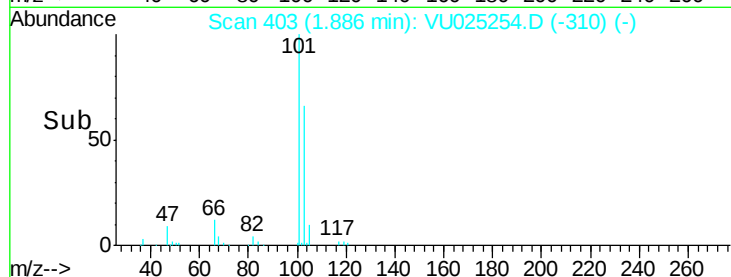
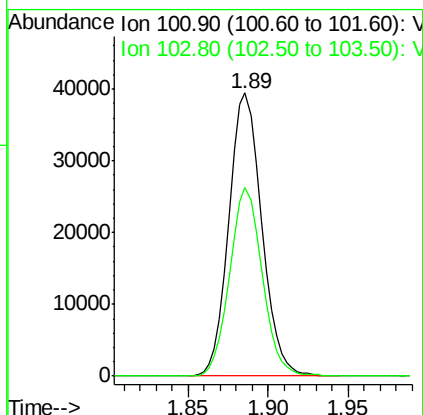
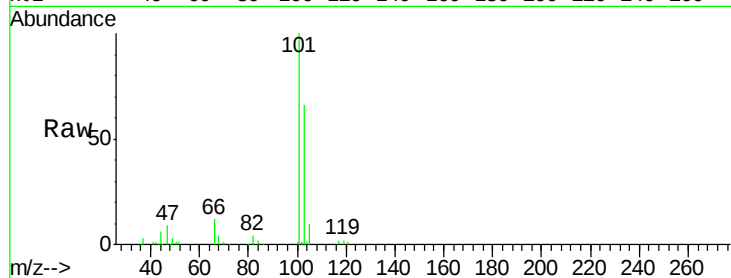


#7

Trichlorofluoromethane
 Concen: 17.619 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Instrument :
 MSVOA_U
 ClientSampleId :

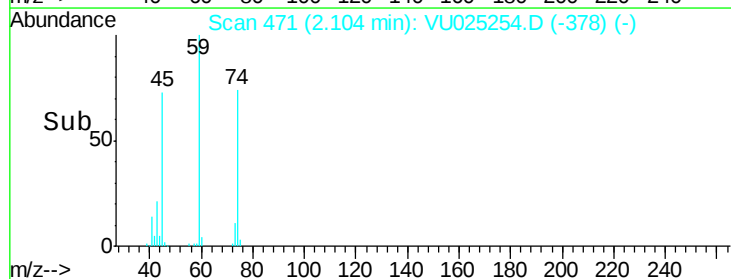
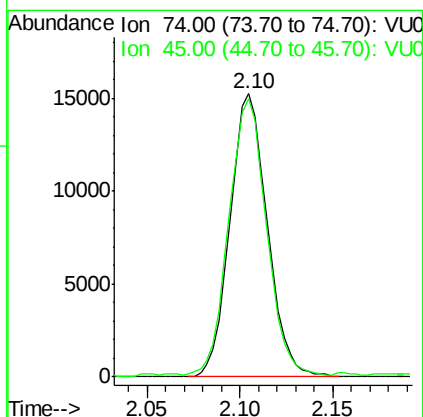
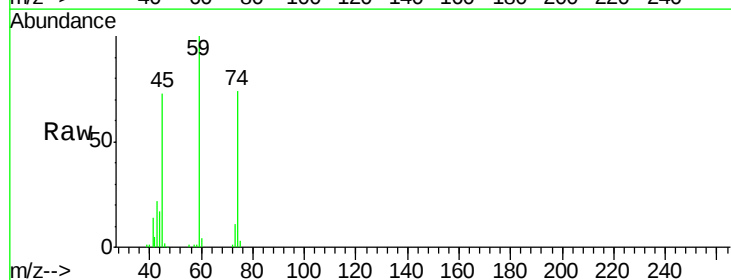
Tot Ion:101 Resp: 54965
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.3 78.5



#8

Diethyl Ether
 Concen: 18.847 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion: 74 Resp: 21253
 Ion Ratio Lower Upper
 74 100
 45 98.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.777 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

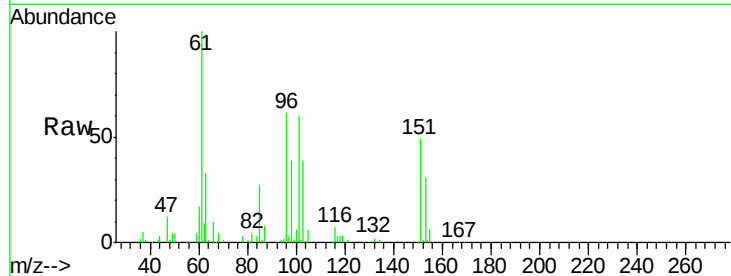
Tot Ion:101 Resp: 34405

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

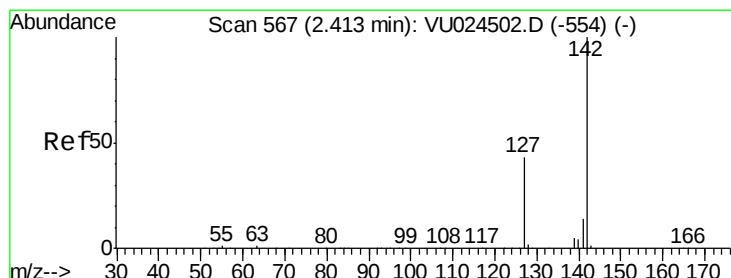
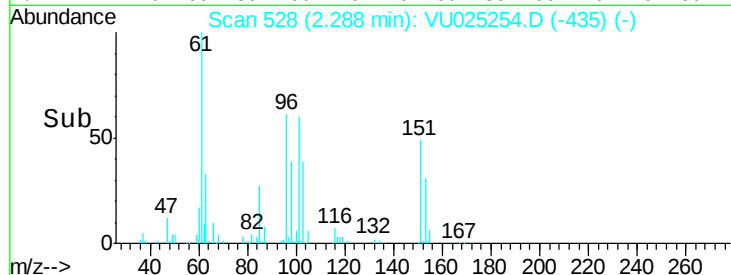
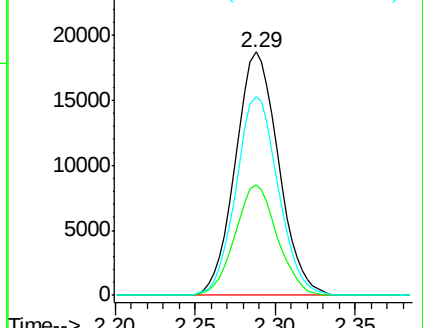
151 79.8 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.996 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

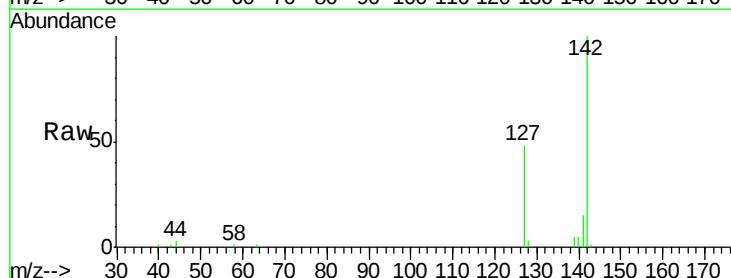
Tgt Ion:142 Resp: 32433

Ion Ratio Lower Upper

142 100

127 47.4 35.6 53.4

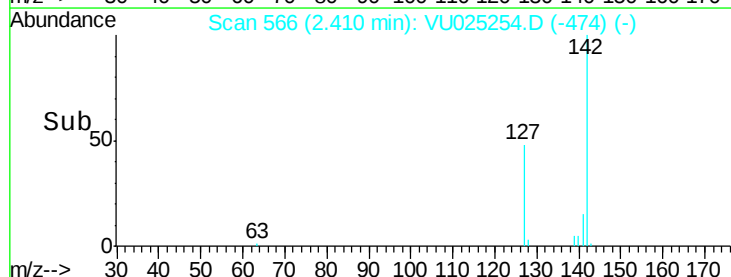
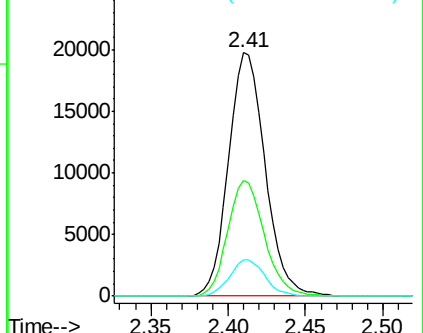
141 14.2 11.7 17.5

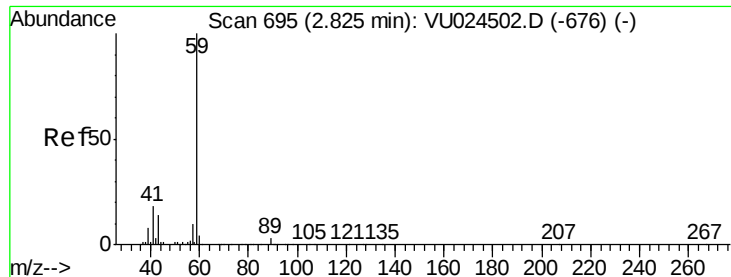


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

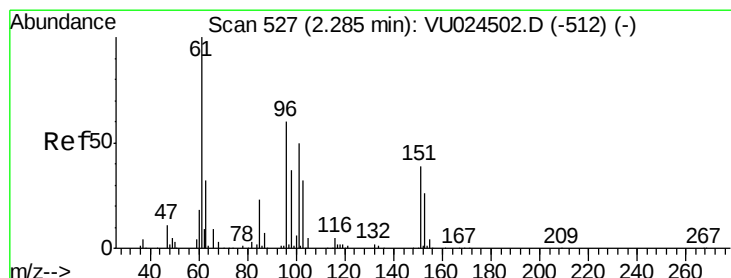
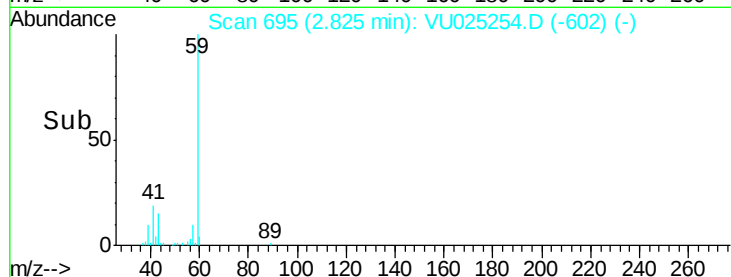
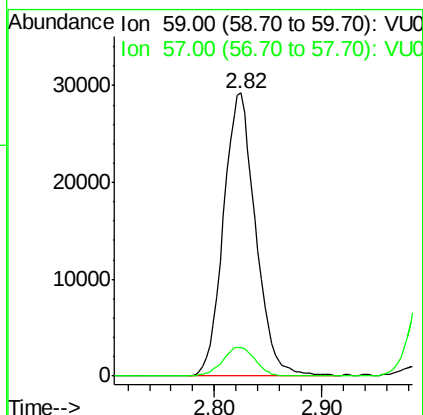
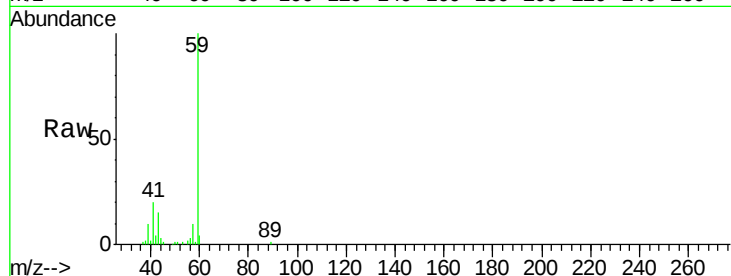




#11
Tert butyl alcohol
Concen: 98.329 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

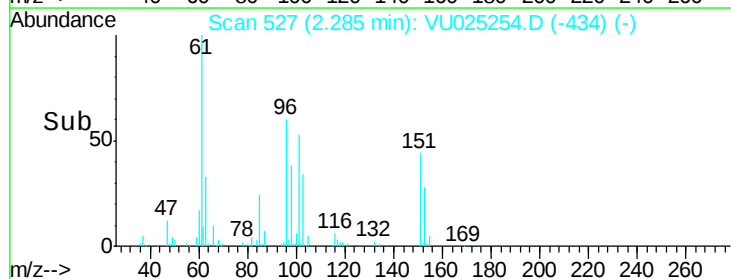
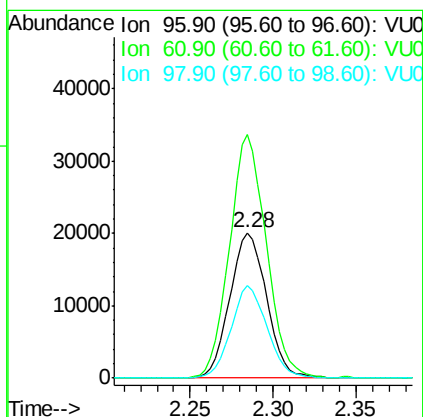
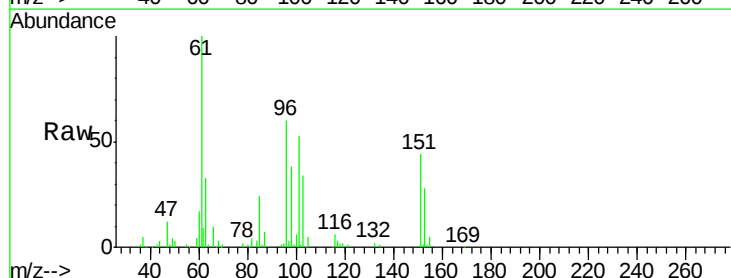
Instrument :
MSVOA_U
ClientSampleId :

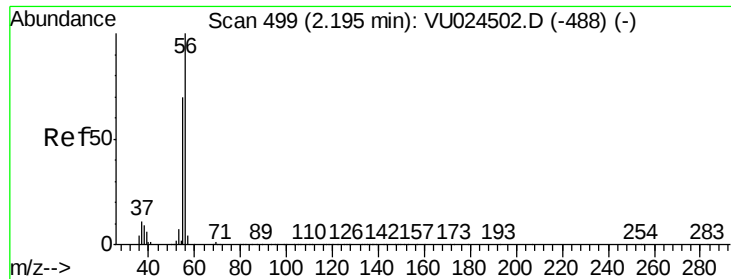
Tot Ion: 59 Resp: 60514
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 17.489 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 96 Resp: 30866
Ion Ratio Lower Upper
96 100
61 167.3 141.7 212.5
98 63.5 51.6 77.4

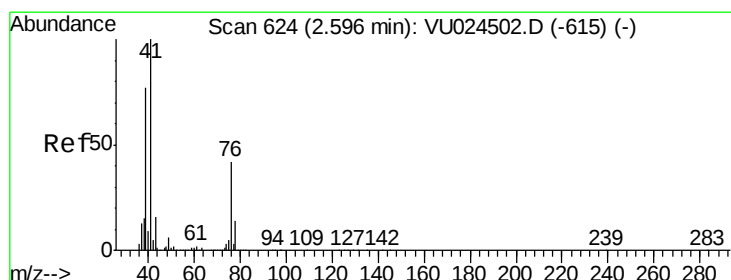
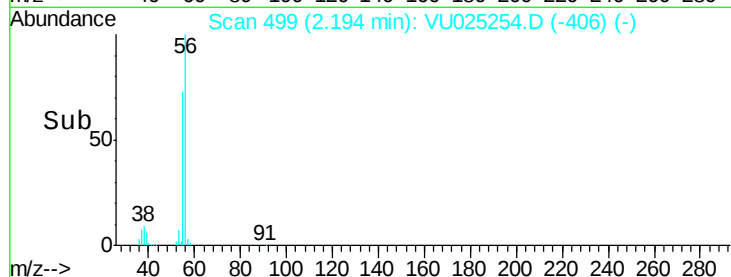
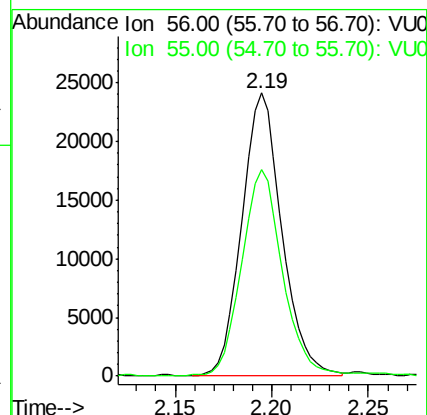
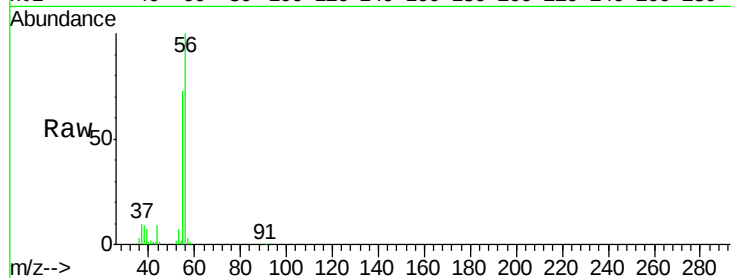




#13
Acrolein
Concen: 107.768 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

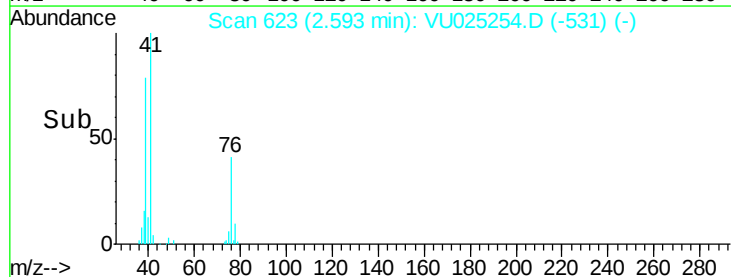
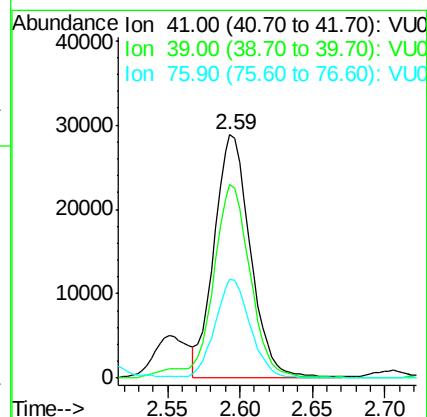
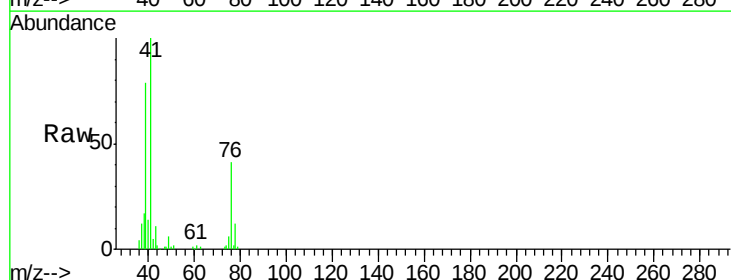
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 34828
Ion Ratio Lower Upper
56 100
55 74.5 58.4 87.6



#14
Allyl chloride
Concen: 15.198 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 41 Resp: 49803
Ion Ratio Lower Upper
41 100
39 82.5 61.6 92.4
76 39.6 29.7 44.5





#15

Acrylonitrile

Concen: 98.572 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :
MSVOA_U
ClientSampleId :

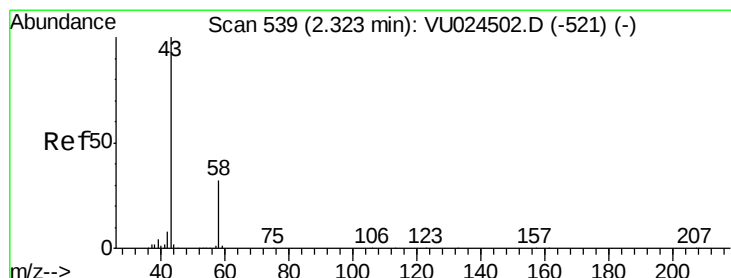
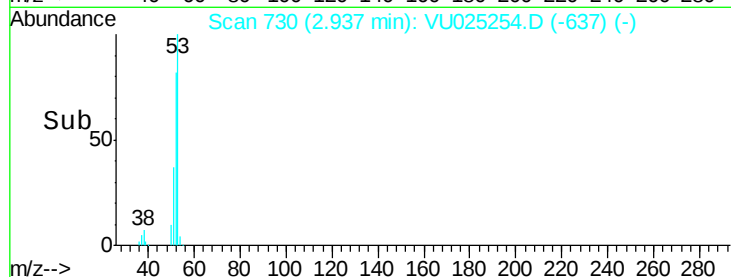
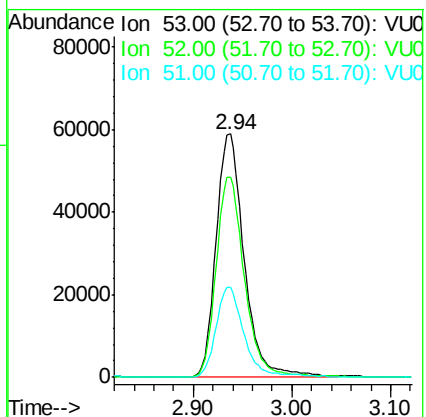
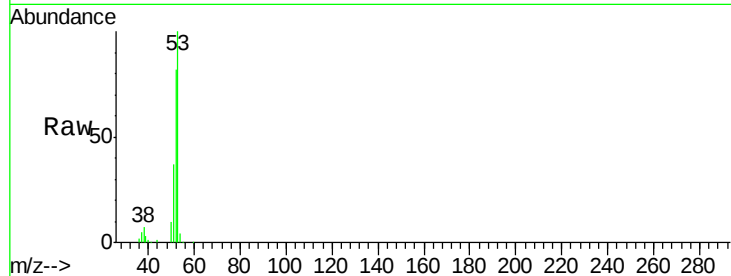
Tot Ion: 53 Resp: 118028

Ion Ratio Lower Upper

53 100

52 82.6 67.1 100.7

51 36.3 28.4 42.6



#16

Acetone

Concen: 94.972 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025254.D

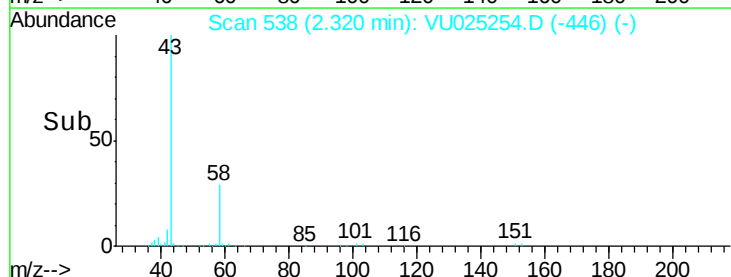
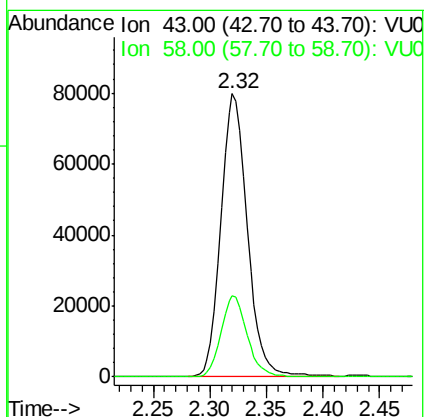
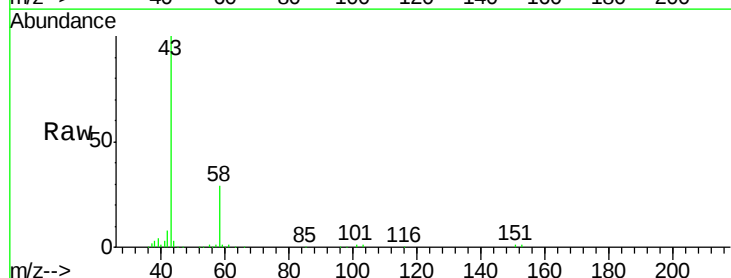
Acq: 06 Jul 2018 20:54

Tgt Ion: 43 Resp: 129124

Ion Ratio Lower Upper

43 100

58 28.9 24.4 36.6





#17

Carbon Disulfide

Concen: 13.360 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

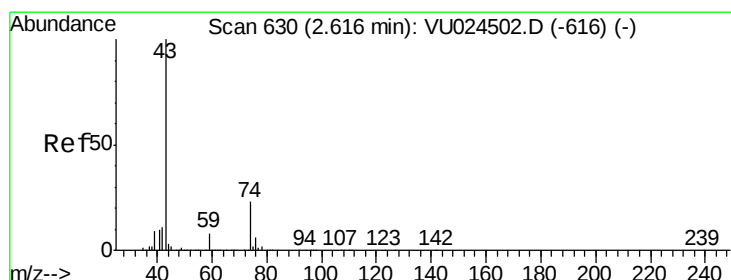
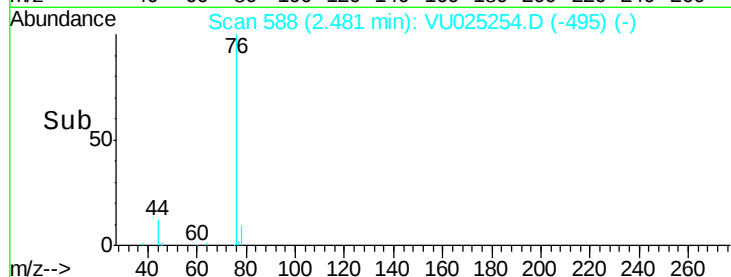
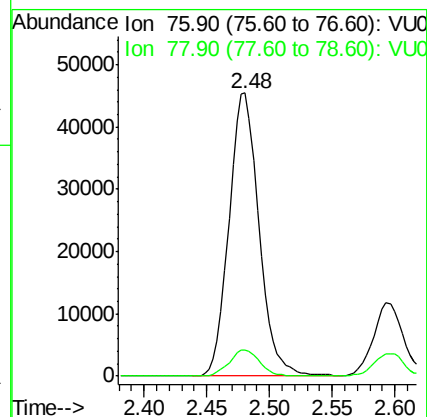
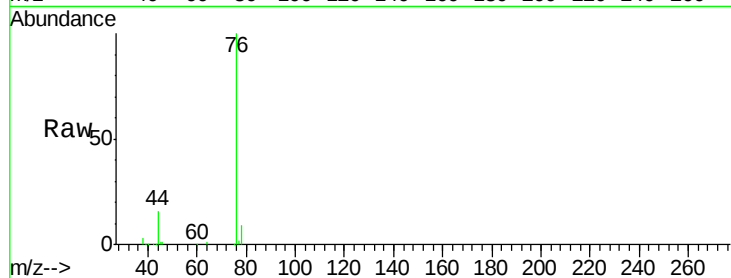
ClientSampleId :

Tot Ion: 76 Resp: 75503

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 19.587 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025254.D

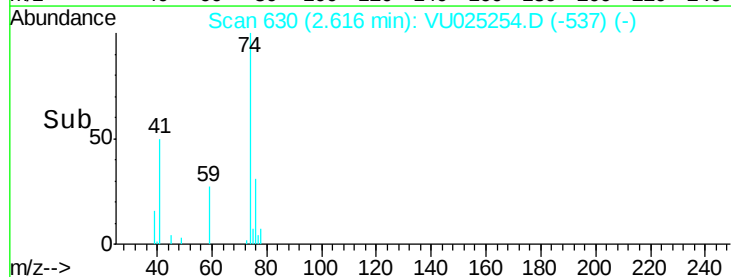
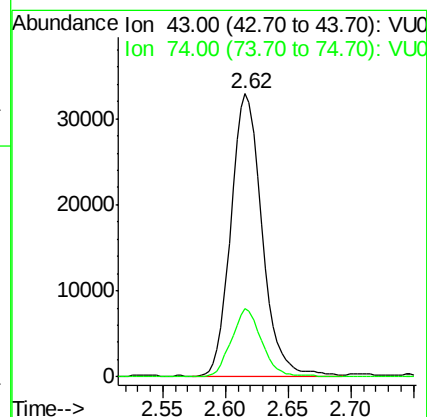
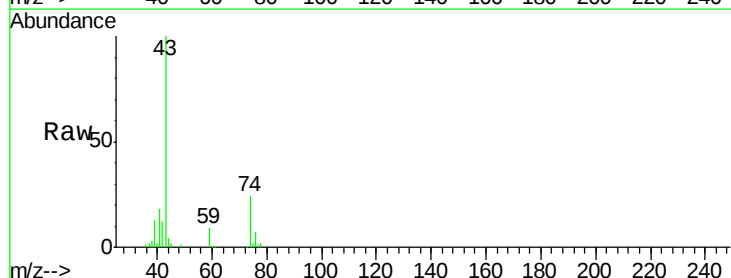
Acq: 06 Jul 2018 20:54

Tgt Ion: 43 Resp: 57090

Ion Ratio Lower Upper

43 100

74 23.5 18.0 27.0

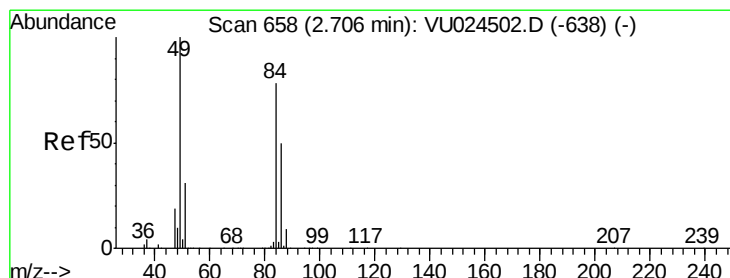
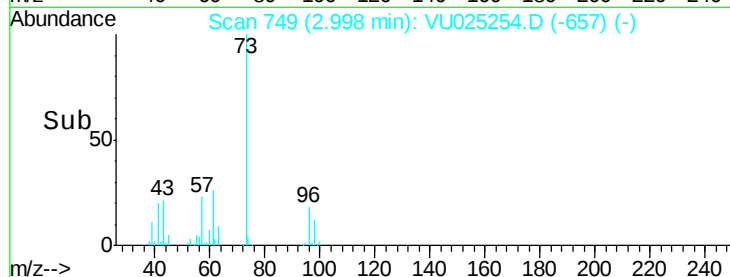
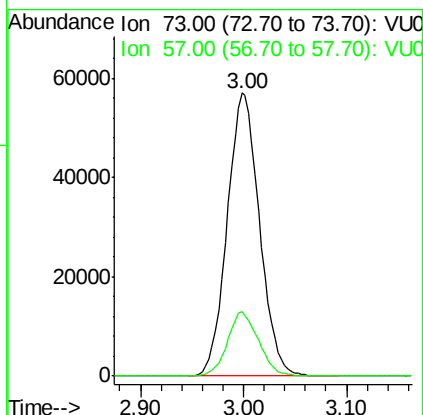
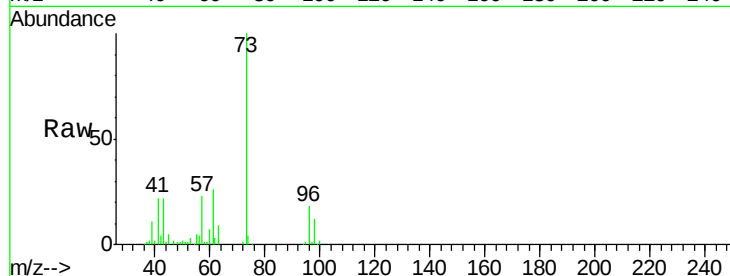




#19
Methvl tert-butvl Ether
Concen: 18.764 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

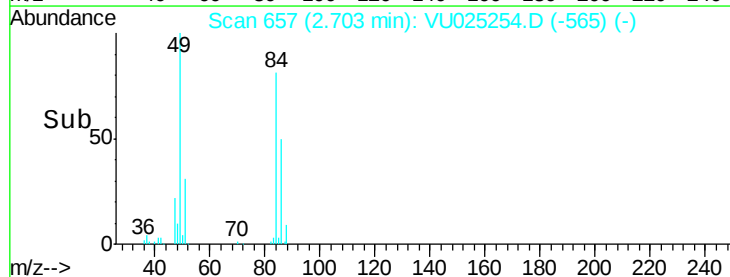
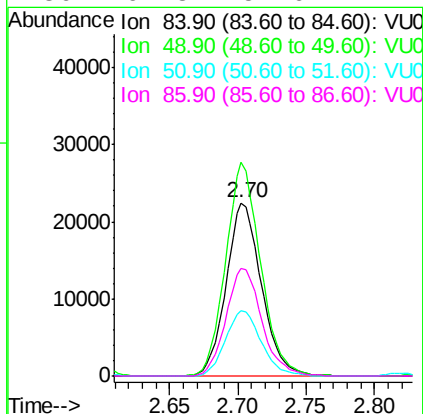
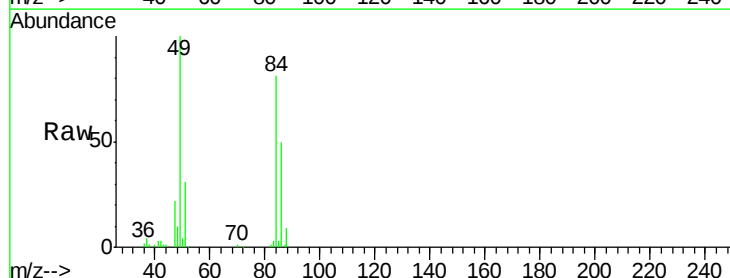
Instrument :
MSVOA_U
ClientSampleId :

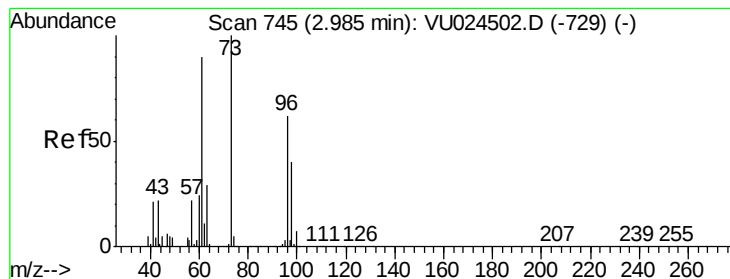
Tot Ion: 73 Resp: 124483
Ion Ratio Lower Upper
73 100
57 22.7 18.8 28.2



#20
Methylene Chloride
Concen: 18.911 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 84 Resp: 40344
Ion Ratio Lower Upper
84 100
49 123.3 103.8 155.8
51 37.7 32.0 48.0
86 61.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 16.780 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

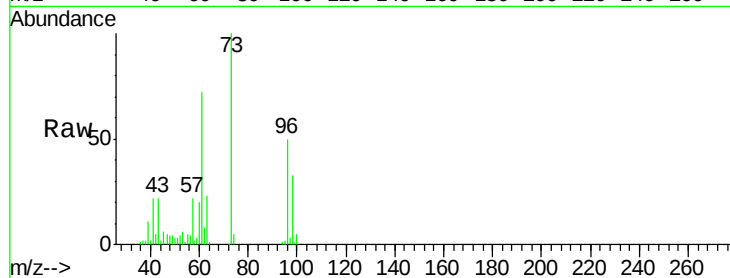
Tot Ion: 96 Resp: 32619

Ion Ratio Lower Upper

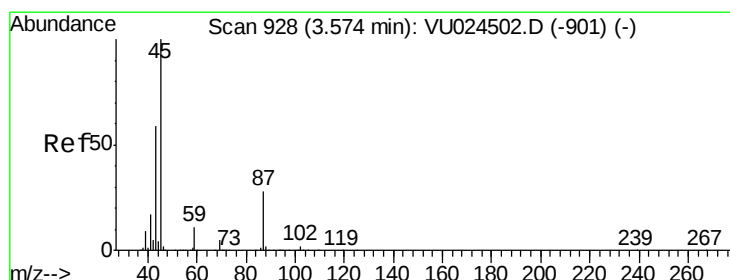
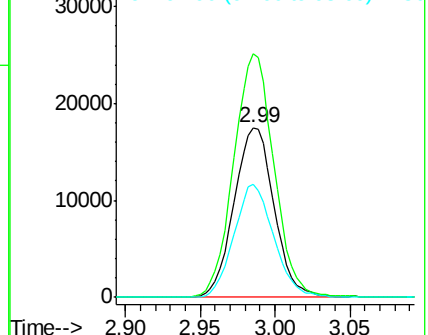
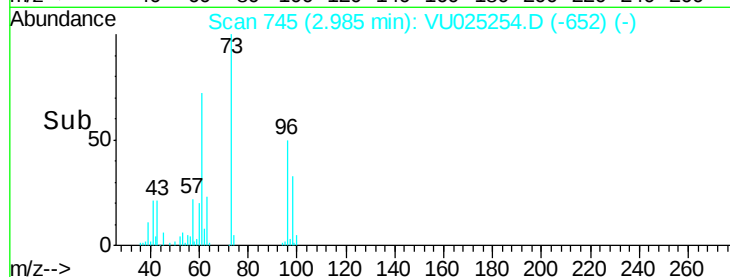
96 100

61 143.5 119.4 179.0

98 66.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025254.D (-652) (-)



#22

Diisopropyl ether

Concen: 18.126 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Tgt Ion: 45 Resp: 117751

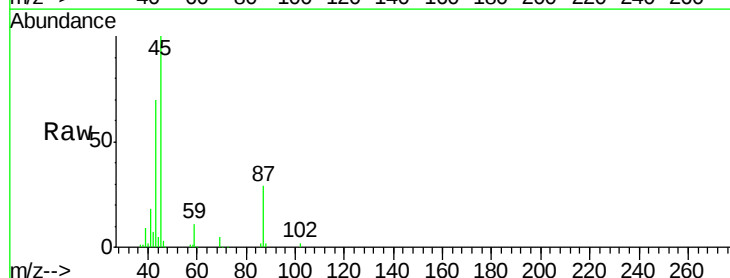
Ion Ratio Lower Upper

45 100

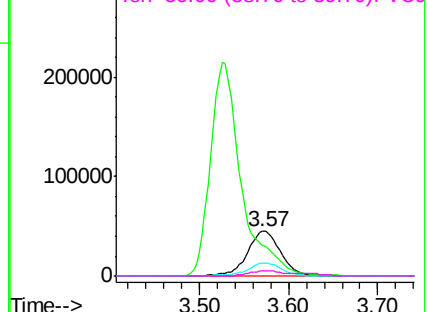
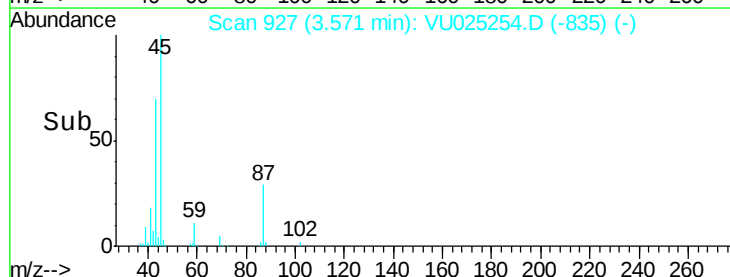
43 68.7 45.8 68.6#

87 28.9 20.6 31.0

59 11.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU025254.D (-835) (-)





#23

Vinyl Acetate

Concen: 89.437 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

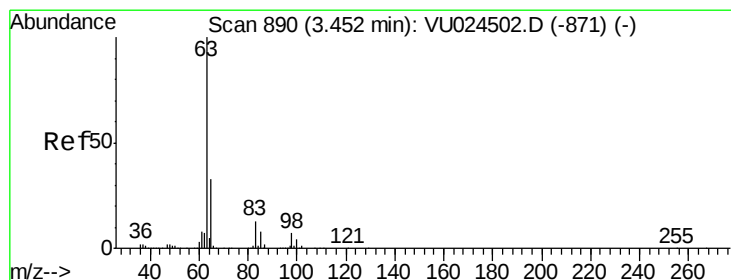
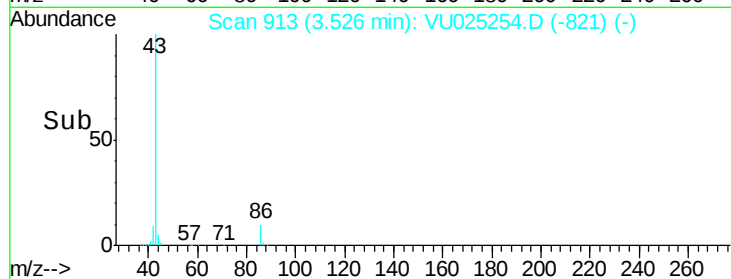
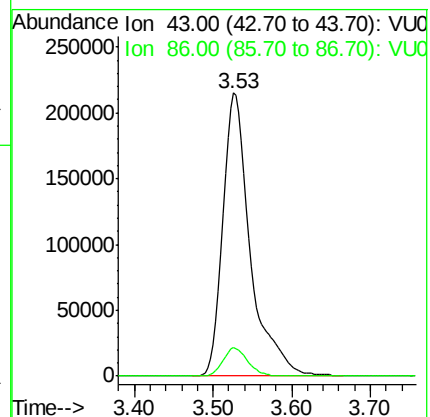
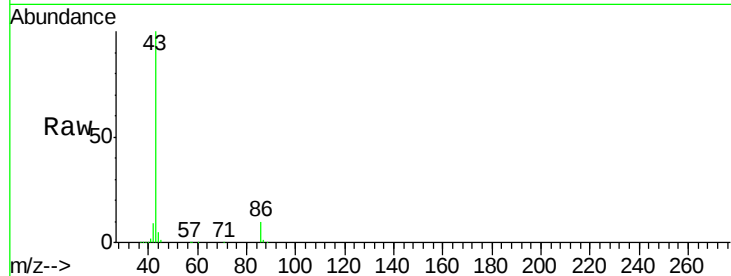
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 520455

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



#24

1,1-Dichloroethane

Concen: 17.816 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

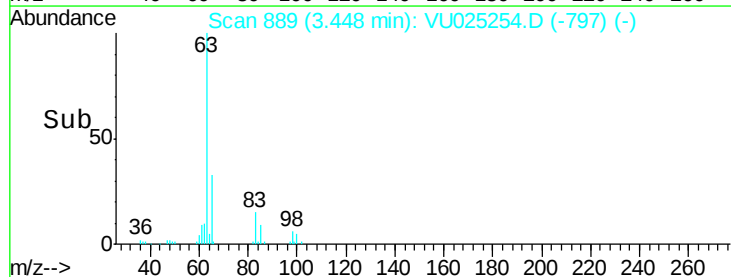
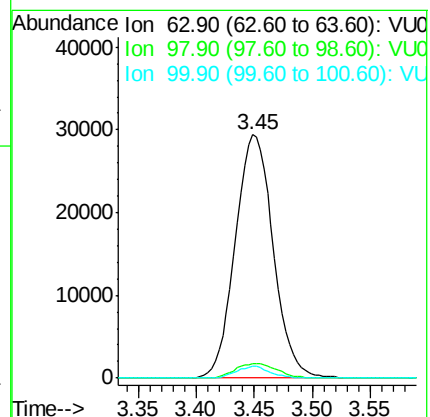
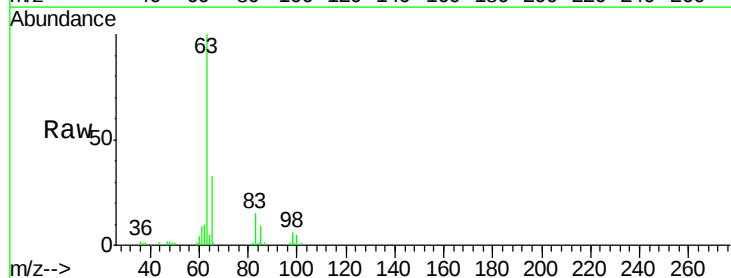
Tgt Ion: 63 Resp: 66578

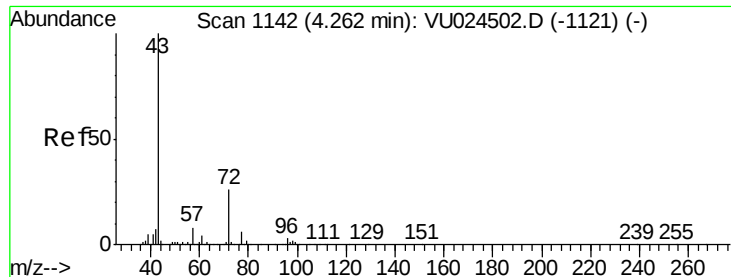
Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 98.257 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

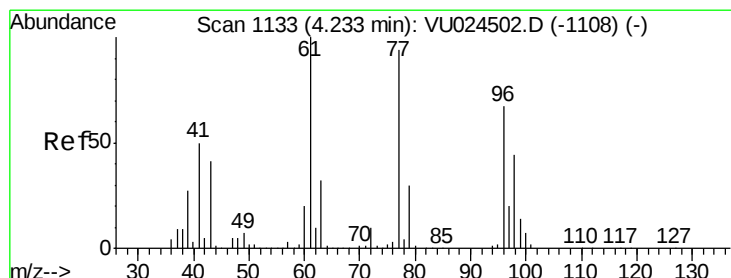
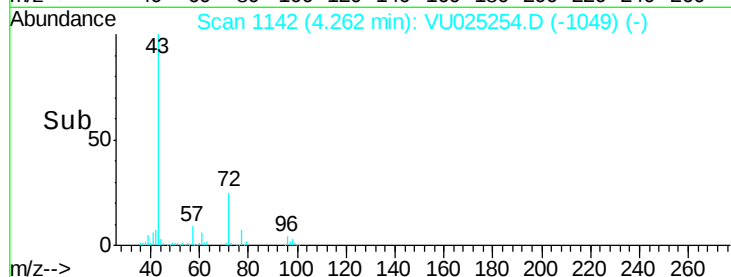
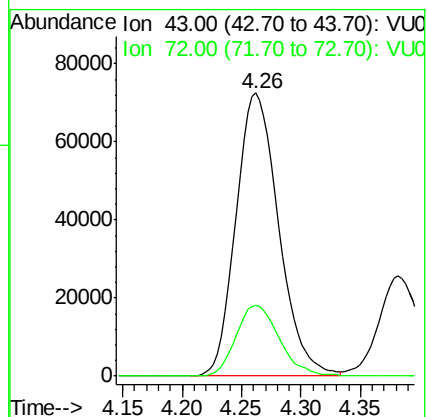
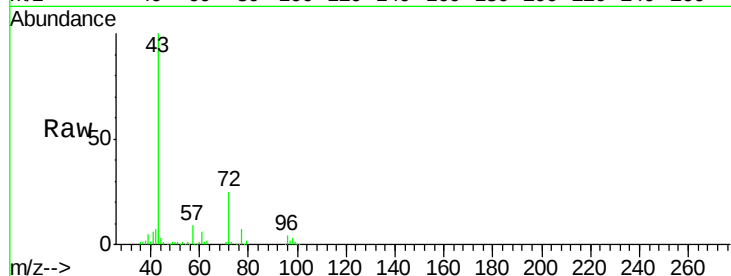
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 179442

Ion Ratio Lower Upper

43 100

72 25.0 19.6 29.4



#26

2,2-Dichloropropane

Concen: 16.061 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025254.D

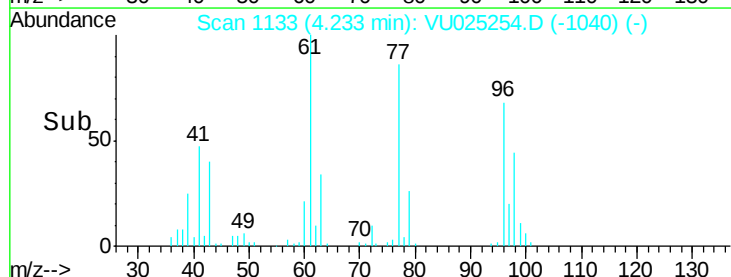
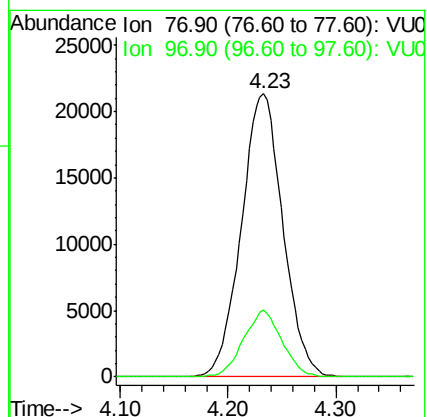
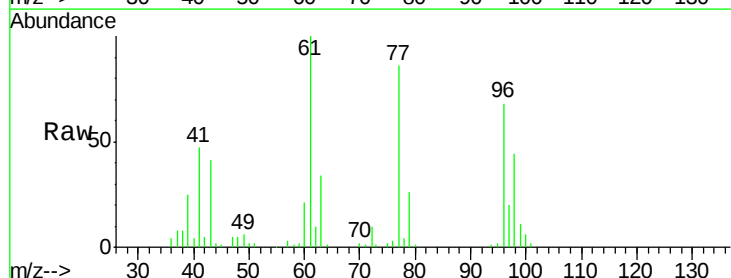
Acq: 06 Jul 2018 20:54

Tgt Ion: 77 Resp: 56992

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 18.308 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :
MSVOA_U
ClientSampleId :

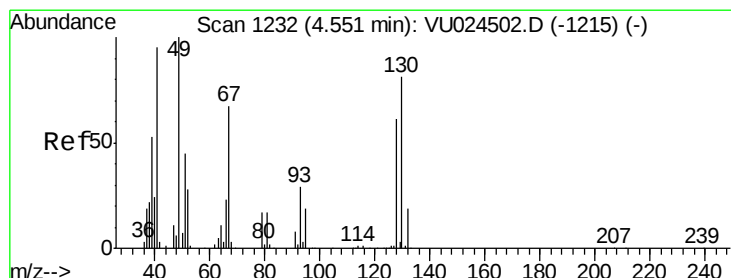
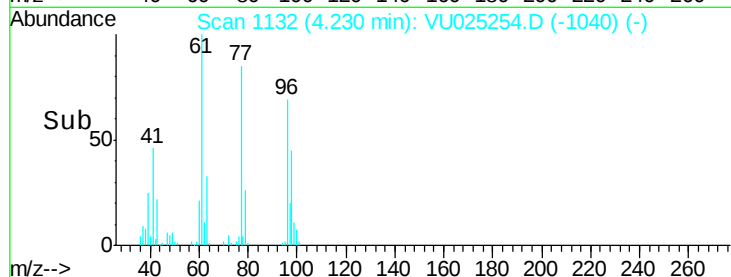
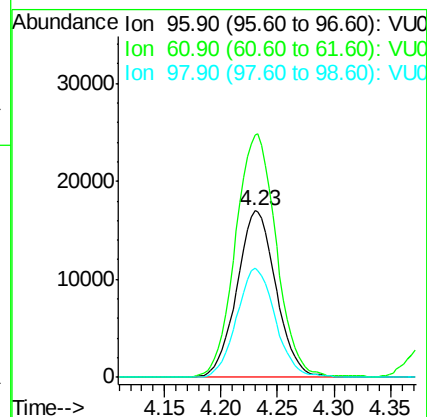
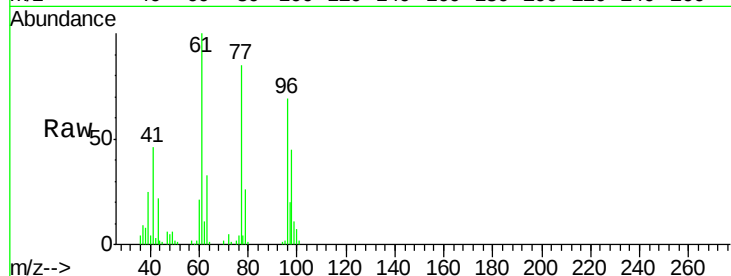
Tot Ion: 96 Resp: 40916

Ion Ratio Lower Upper

96 100

61 151.8 0.0 306.6

98 64.7 0.0 128.8



#28

Bromochloromethane

Concen: 22.447 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

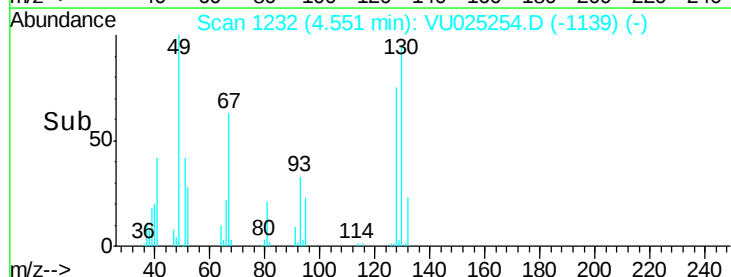
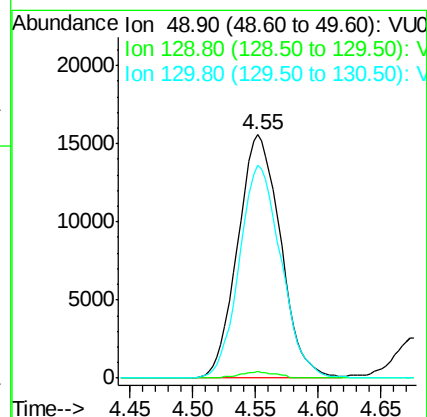
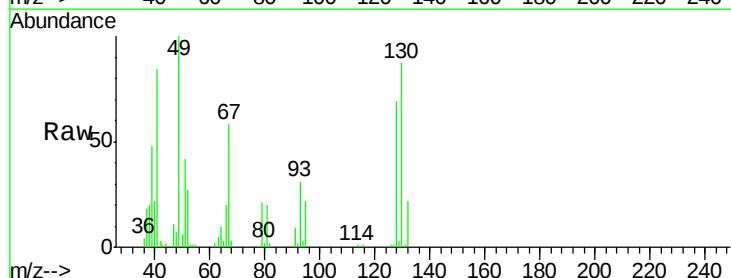
Tgt Ion: 49 Resp: 36948

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 85.3 57.8 86.6





#29

Tetrahydrofuran

Concen: 97.428 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampled :

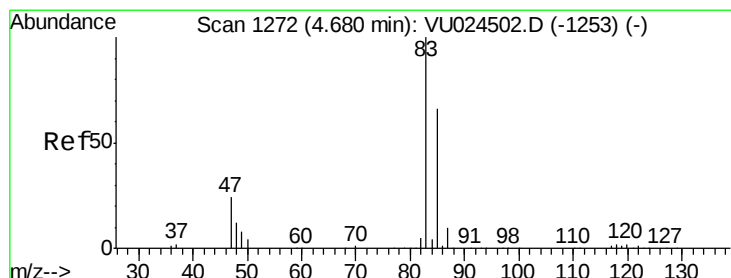
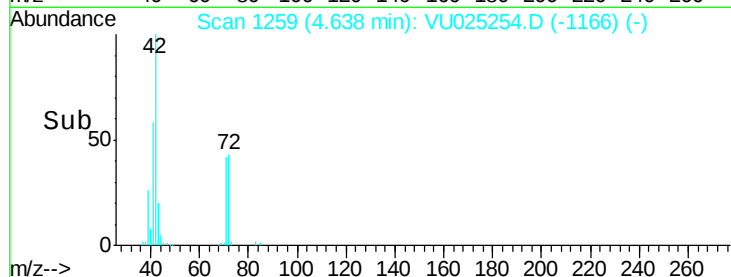
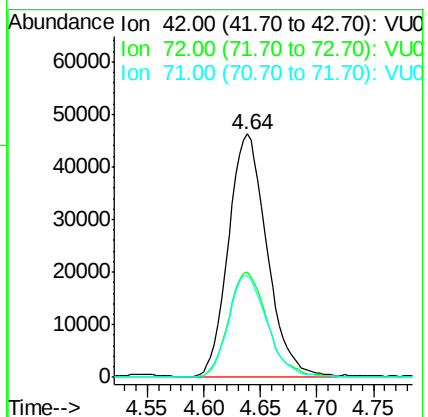
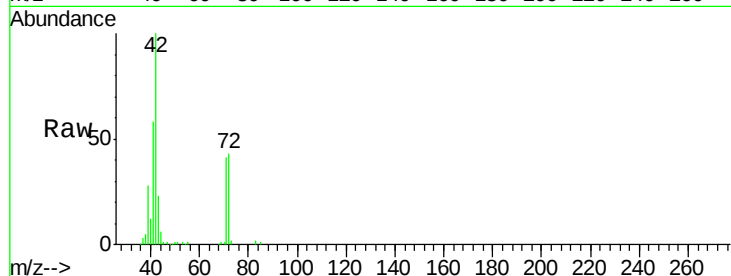
Tot Ion: 42 Resp: 110185

Ion Ratio Lower Upper

42 100

72 43.8 34.5 51.7

71 42.2 32.2 48.4



#30

Chloroform

Concen: 18.757 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025254.D

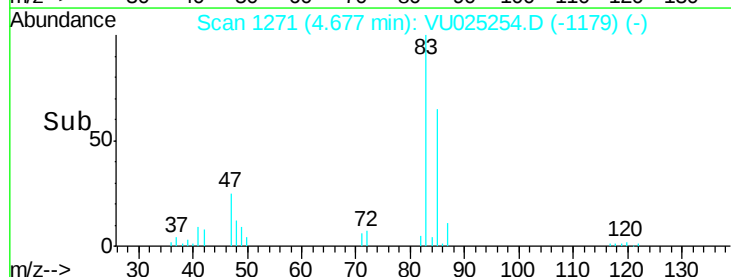
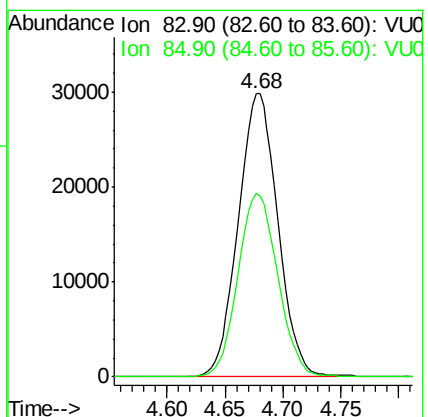
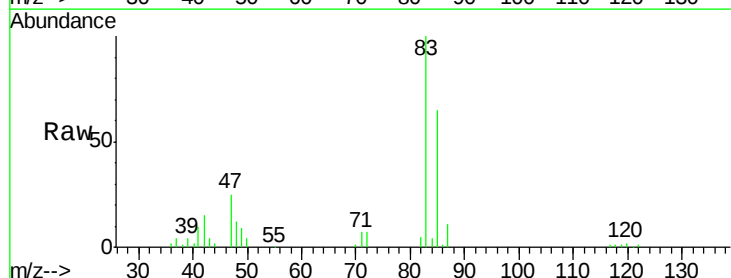
Acq: 06 Jul 2018 20:54

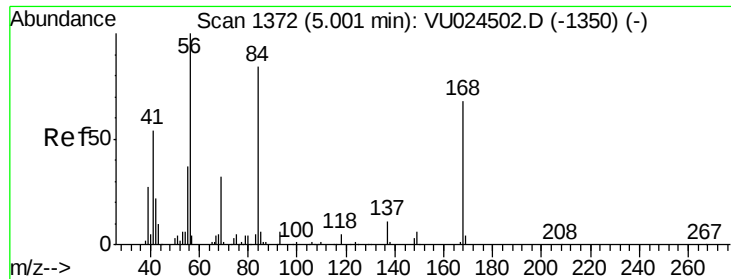
Tgt Ion: 83 Resp: 70950

Ion Ratio Lower Upper

83 100

85 64.7 52.4 78.6

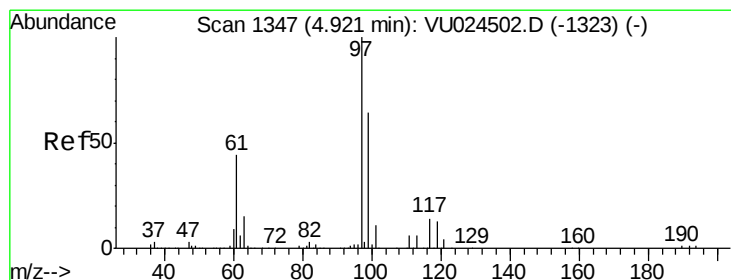
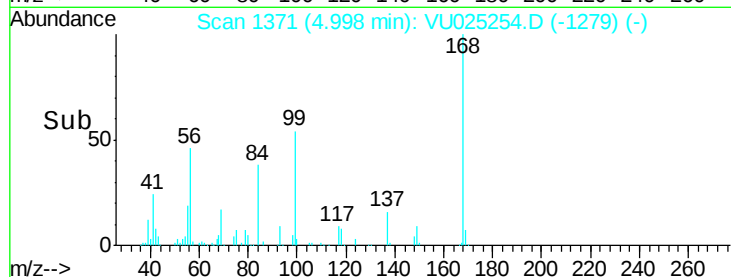
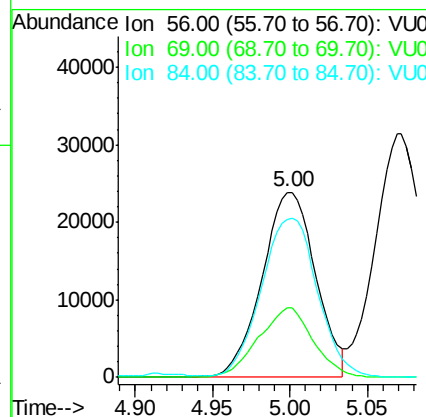
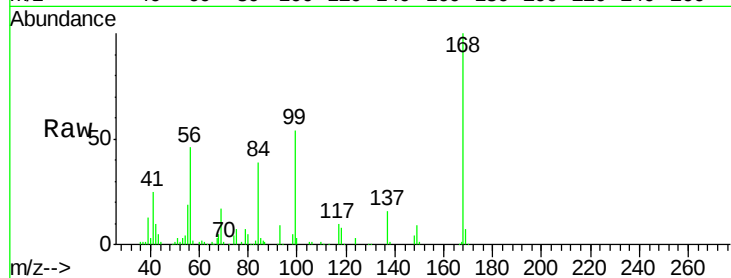




#31
Cyclohexane
Concen: 16.042 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

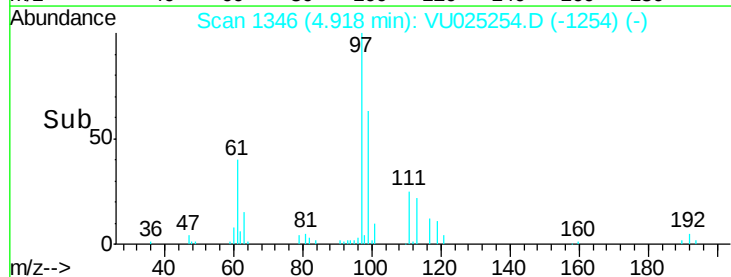
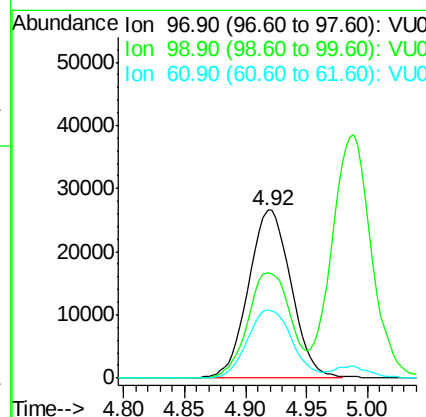
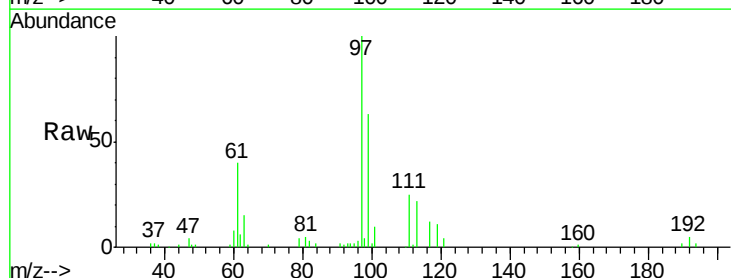
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 57687
Ion Ratio Lower Upper
56 100
69 37.5 24.8 37.2#
84 84.1 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 18.397 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 97 Resp: 64350
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.6
61 42.2 39.4 59.0

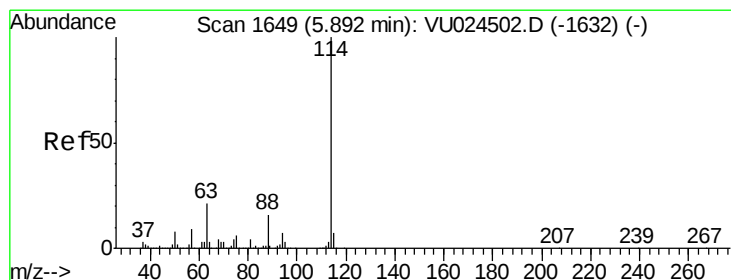
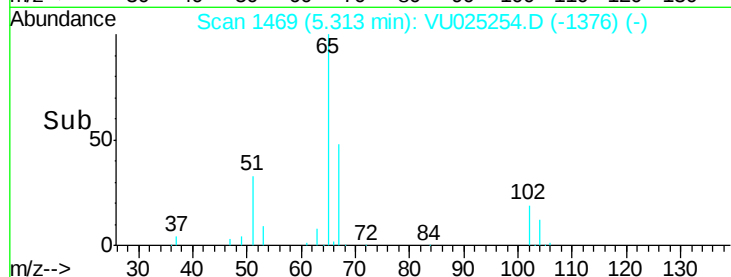
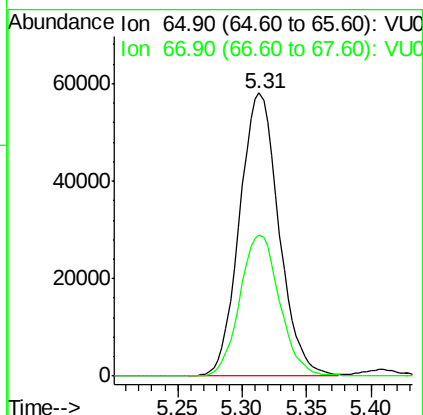
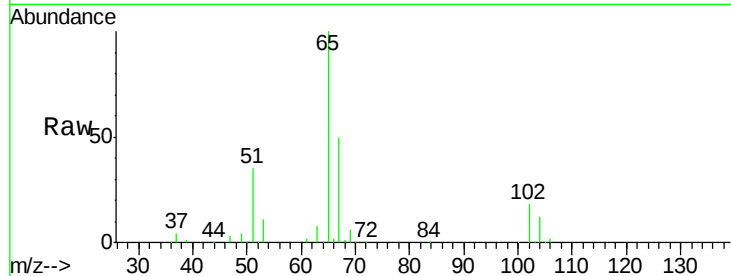




#33
 1,2-Dichloroethane-d4
 Concen: 48.864 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

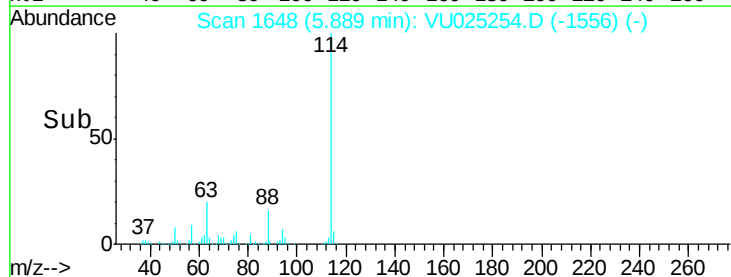
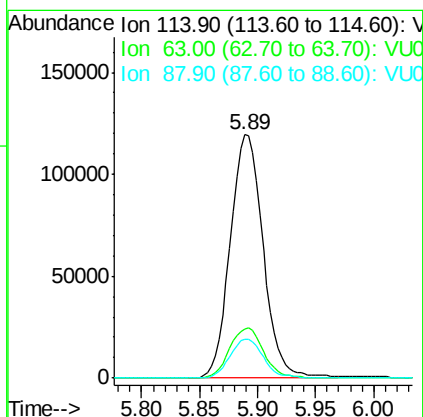
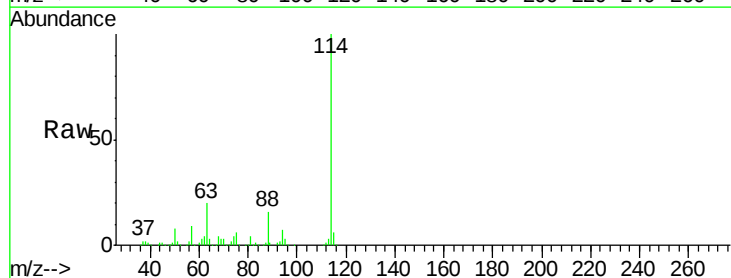
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 65 Resp: 123648
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion: 114 Resp: 235531
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.4
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.956 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

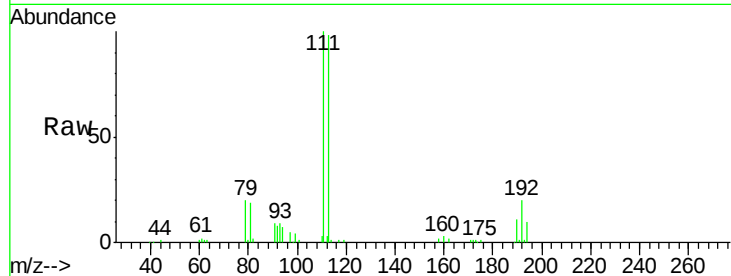
Tot Ion:113 Resp: 97650

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

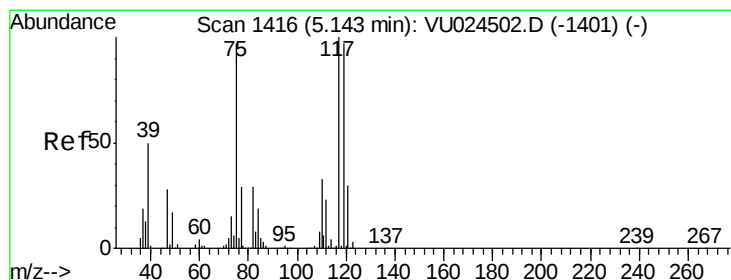
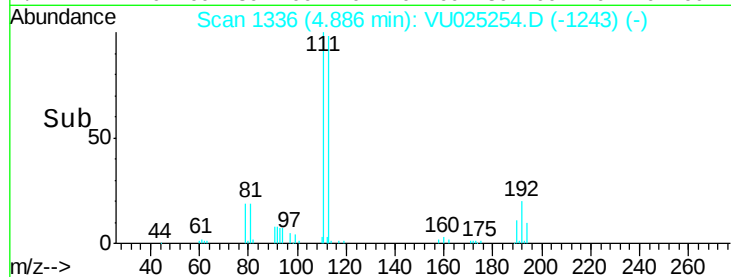
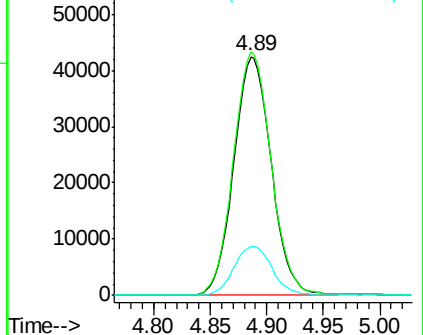
192 20.9 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.541 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

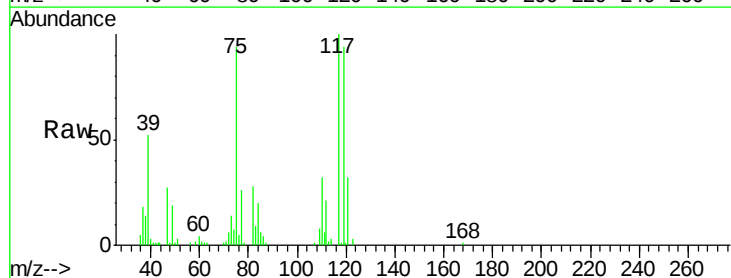
Tgt Ion: 75 Resp: 48547

Ion Ratio Lower Upper

75 100

110 35.0 17.0 50.9

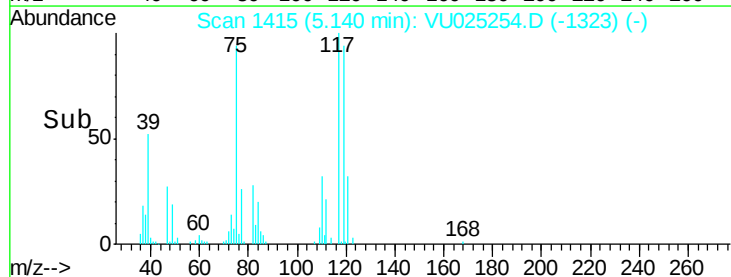
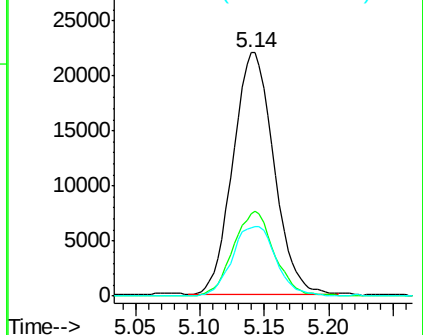
77 30.7 24.2 36.4

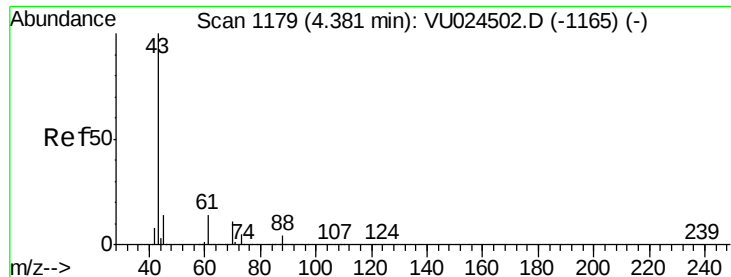


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

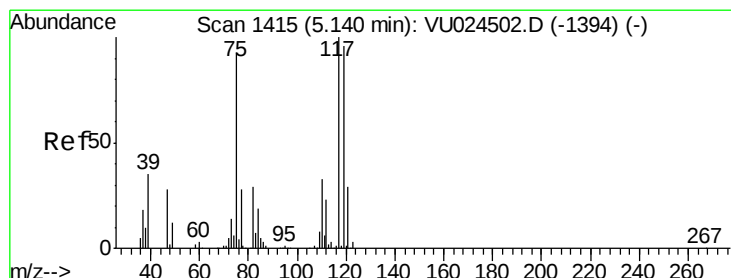
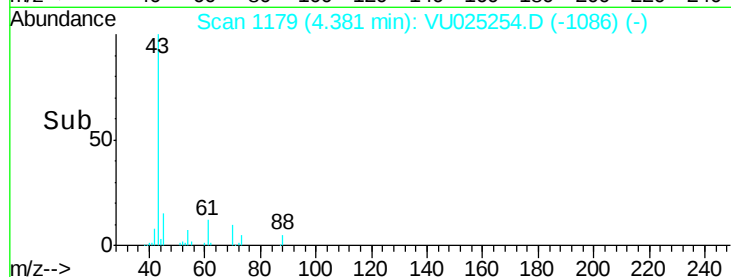
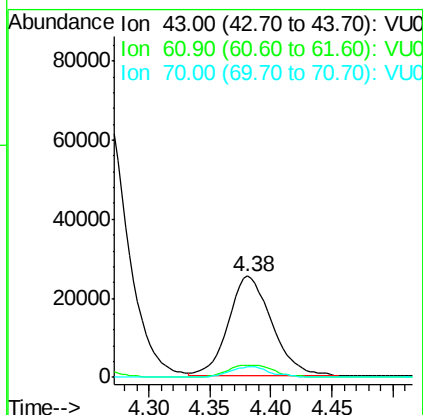
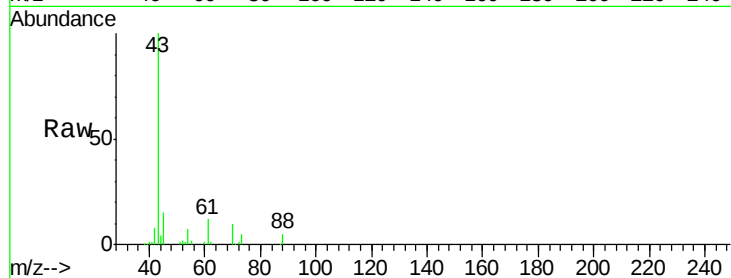




#37
Ethyl Acetate
Concen: 20.666 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

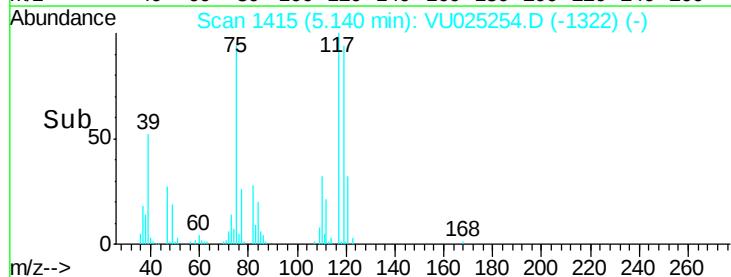
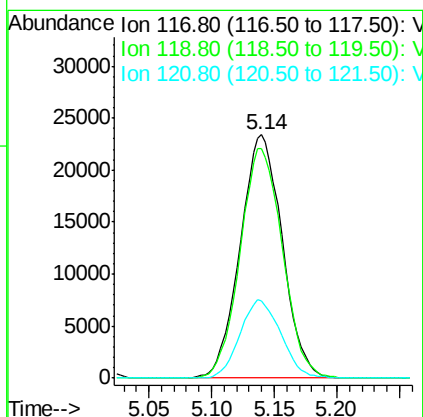
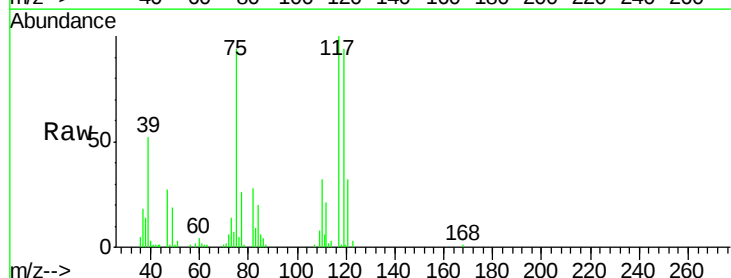
Instrument :
MSVOA_U
ClientSampleId :

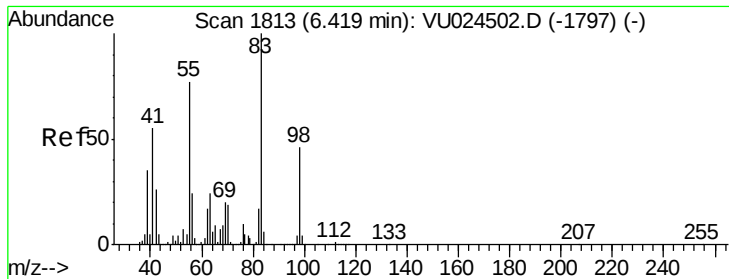
Tot Ion: 43 Resp: 62340
Ion Ratio Lower Upper
43 100
61 7.3 10.5 15.7#
70 10.1 7.4 11.2



#38
Carbon Tetrachloride
Concen: 17.912 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 117 Resp: 54514
Ion Ratio Lower Upper
117 100
119 94.2 76.1 114.1
121 31.6 23.7 35.5

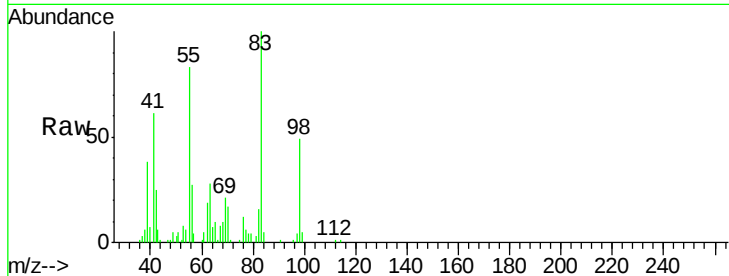




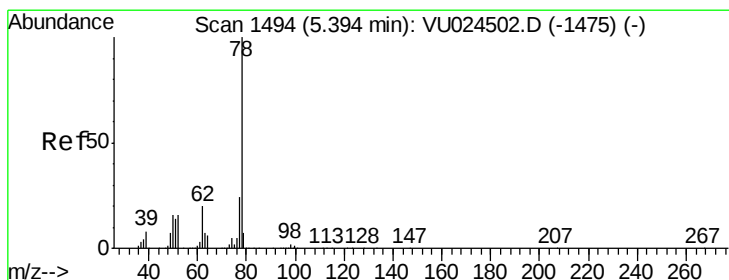
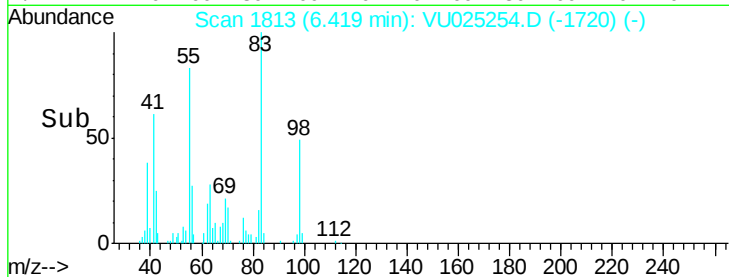
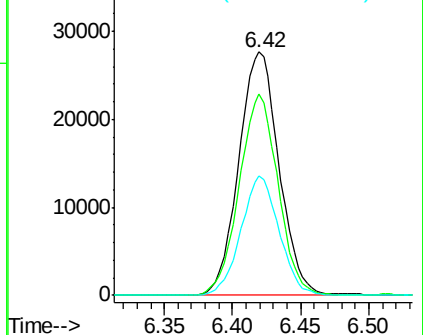
#39
Methvlcvclohexane
Concen: 16.372 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 56546
Ion Ratio Lower Upper
83 100
55 82.6 65.8 98.6
98 49.0 36.7 55.1

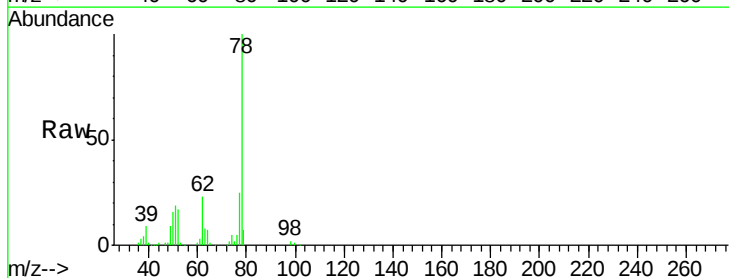


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

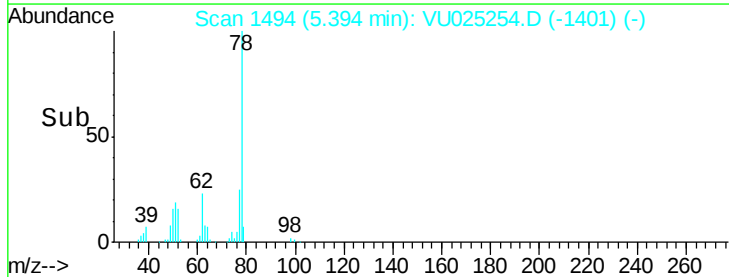
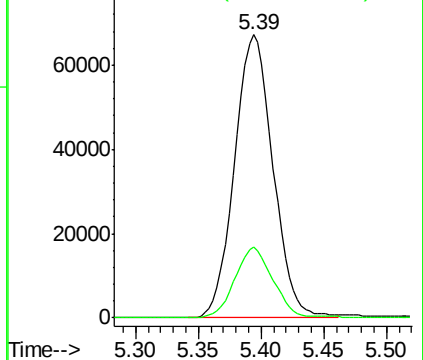


#40
Benzene
Concen: 18.211 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 78 Resp: 143616
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

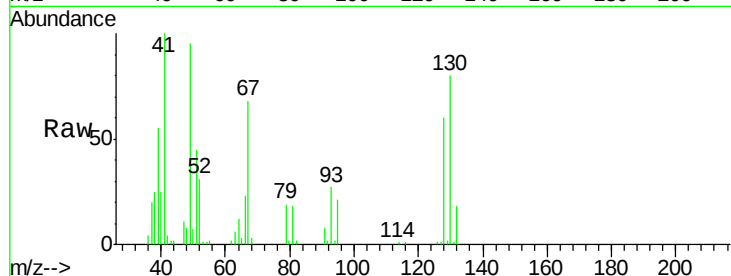




#41
Methacrylonitrile
Concen: 21.320 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	41	Resp:	34676
Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.8	65.6
67	70.4	56.3	84.5
52	32.3	23.2	34.8



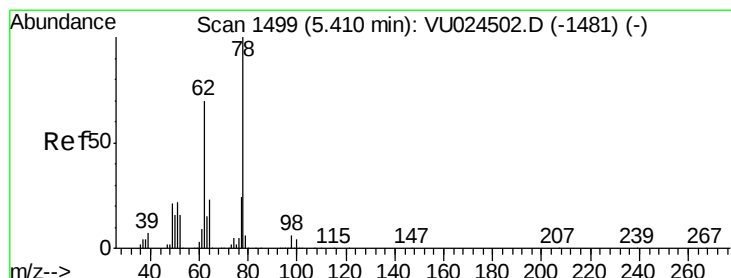
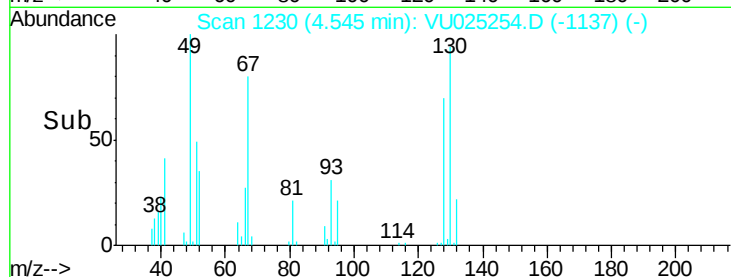
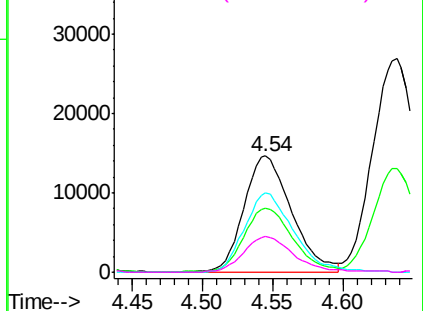
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

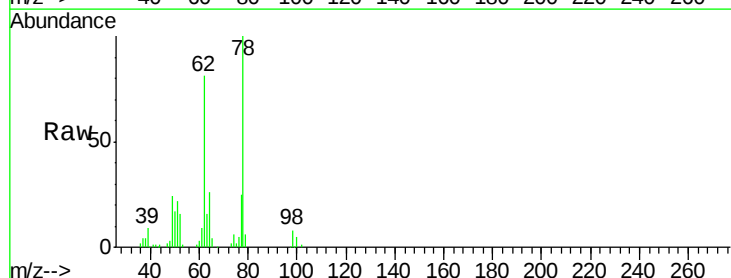
Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42
1,2-Dichloroethane
Concen: 20.431 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

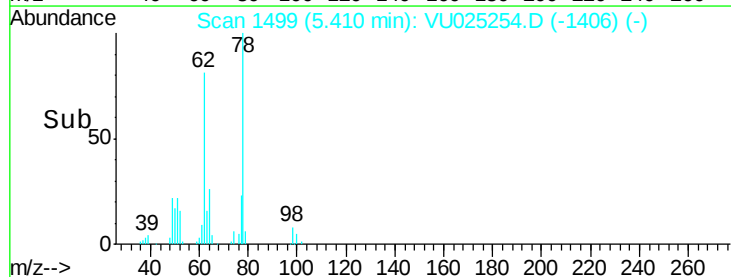
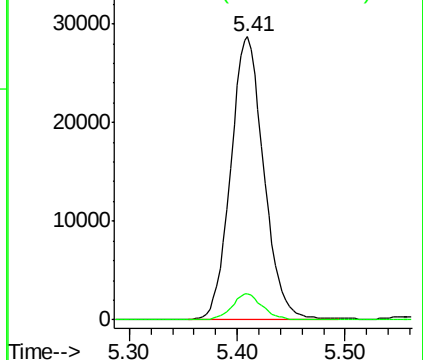
Tgt Ion:	62	Resp:	61368
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

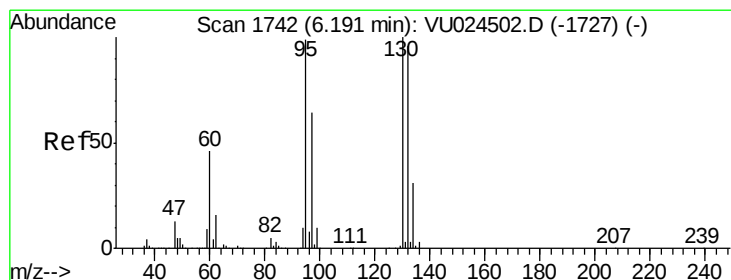
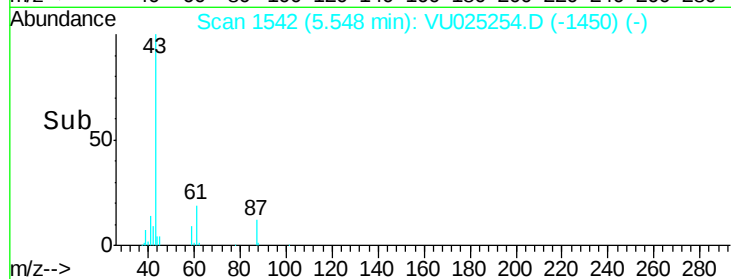
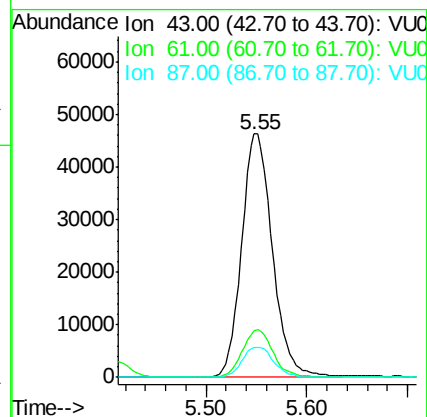
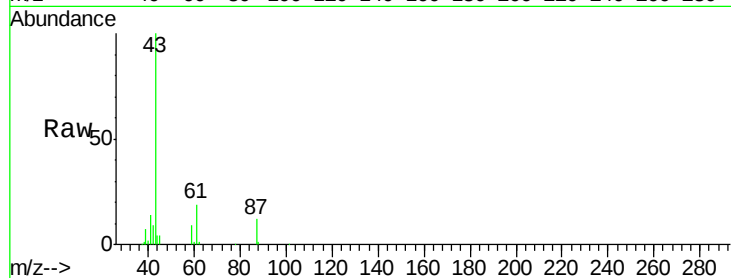




#43
Isopropyl Acetate
Concen: 18.801 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

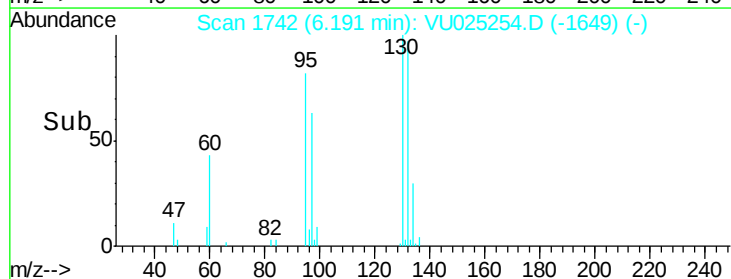
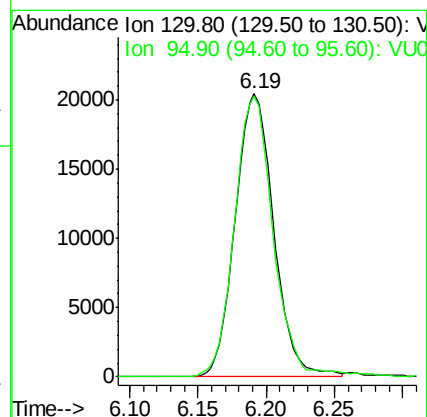
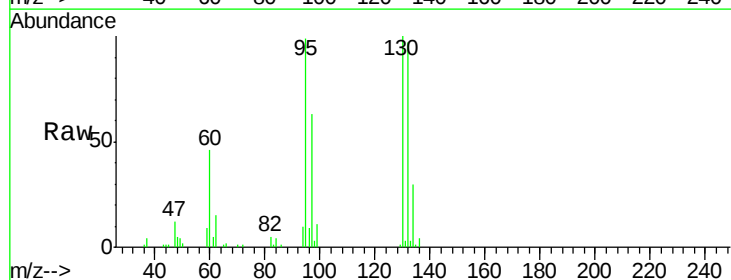
Instrument :
MSVOA_U
ClientSampled :

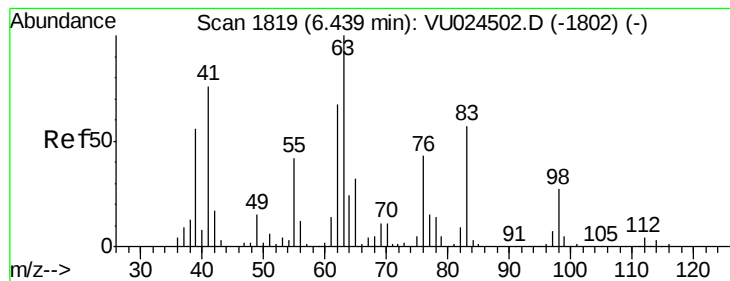
Tot Ion: 43 Resp: 98036
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 12.6 10.0 15.0



#44
Trichloroethene
Concen: 17.895 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 130 Resp: 40164
Ion Ratio Lower Upper
130 100
95 99.4 0.0 202.4





#45

1,2-Dichloropropane

Concen: 18.225 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

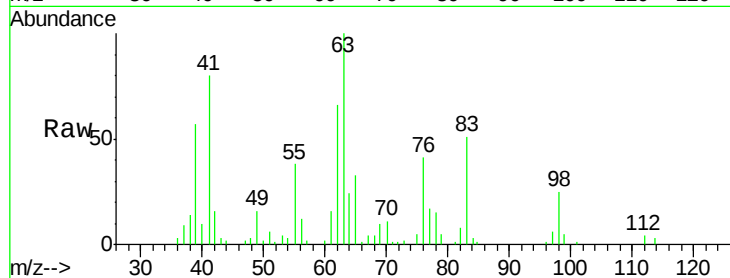
ClientSampleId :

Tot Ion: 63 Resp: 38350

Ion Ratio Lower Upper

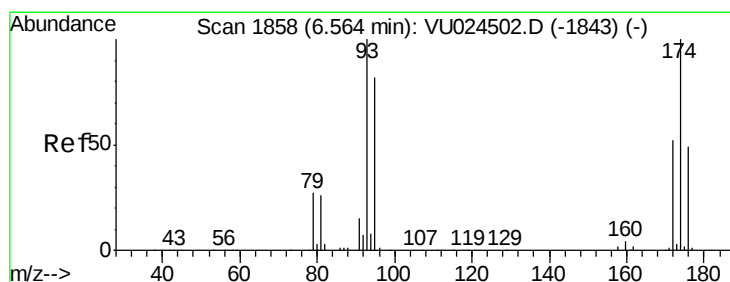
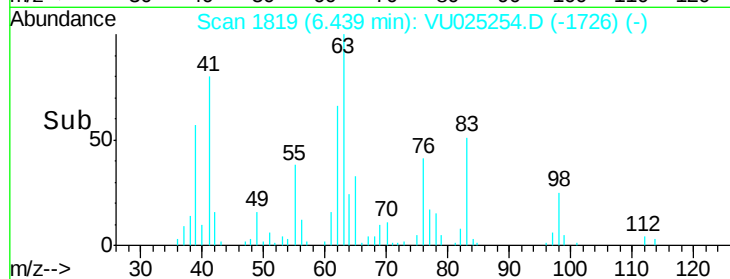
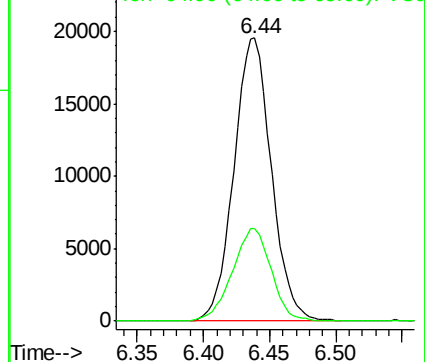
63 100

65 32.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 18.938 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

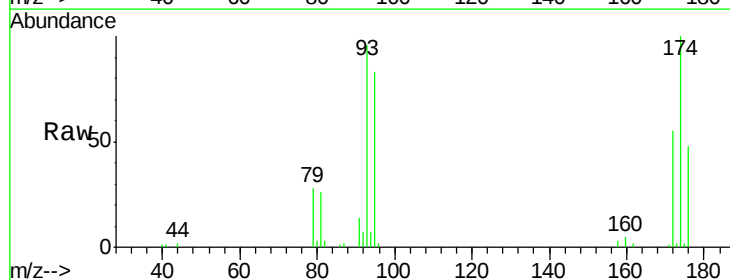
Tgt Ion: 93 Resp: 27992

Ion Ratio Lower Upper

93 100

95 84.6 65.5 98.3

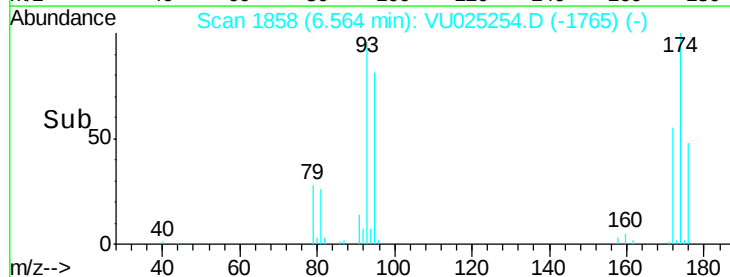
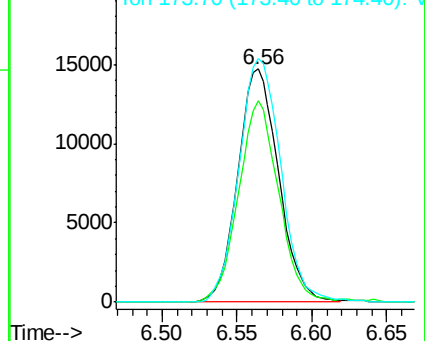
174 107.5 78.7 118.1



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: 17.827 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :
MSVOA_U
ClientSampleId :

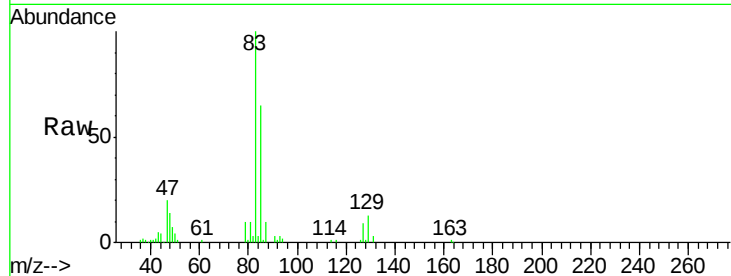
Tot Ion: 83 Resp: 52469

Ion Ratio Lower Upper

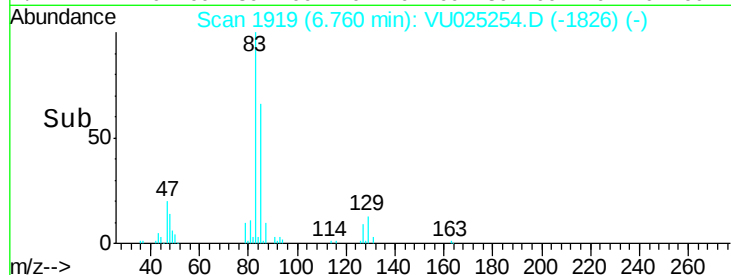
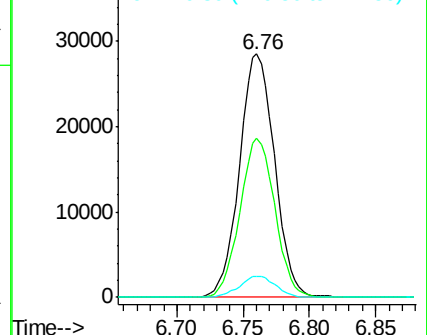
83 100

85 65.3 51.9 77.9

127 8.8 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.468 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

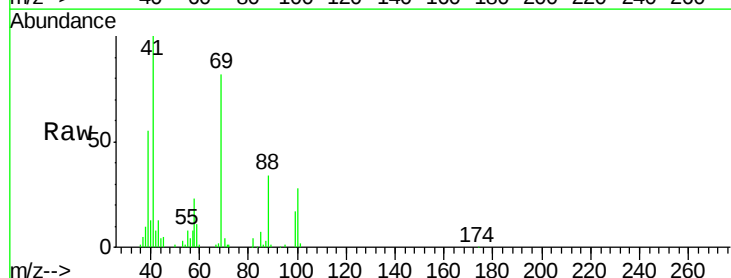
Tgt Ion: 41 Resp: 49430

Ion Ratio Lower Upper

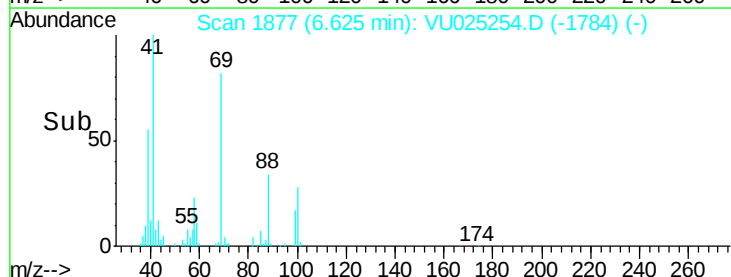
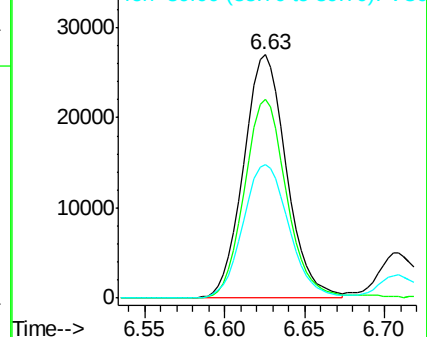
41 100

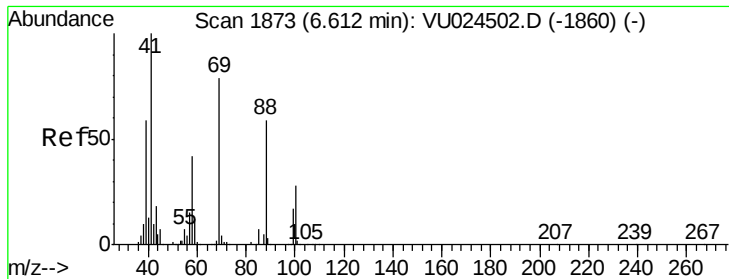
69 81.0 67.3 100.9

39 58.5 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



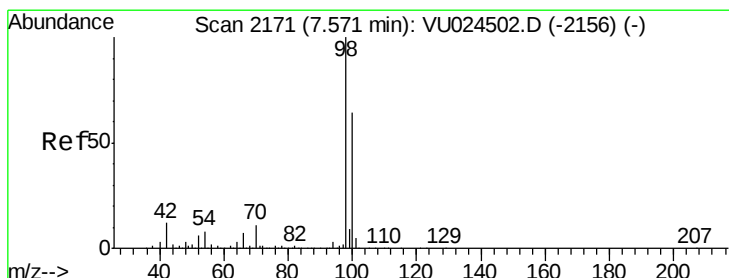
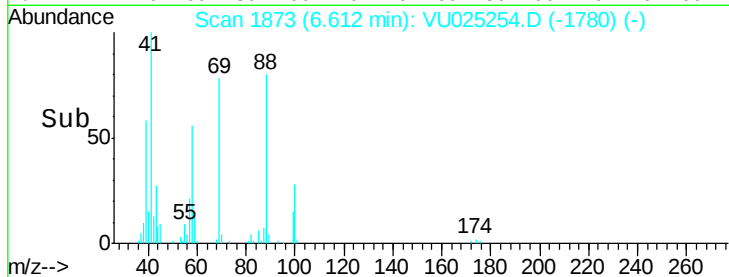
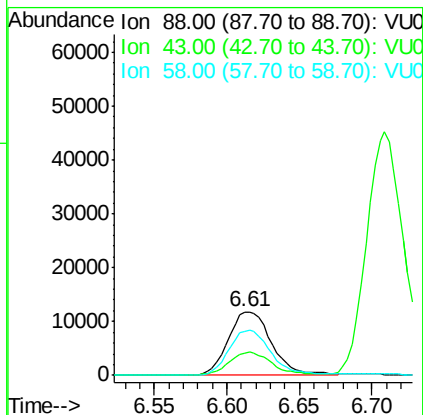
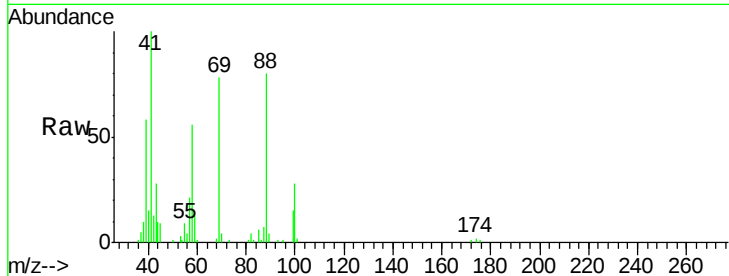


#49
 1,4-Dioxane
 Concen: 495.146 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 88 Resp: 24586

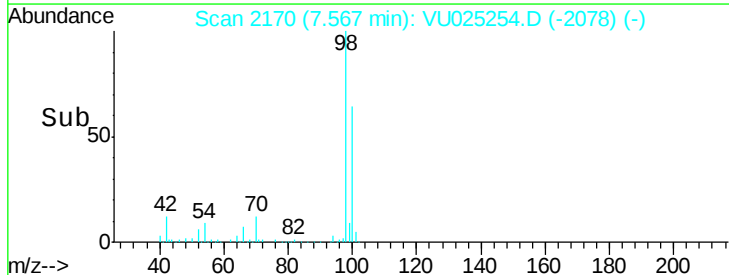
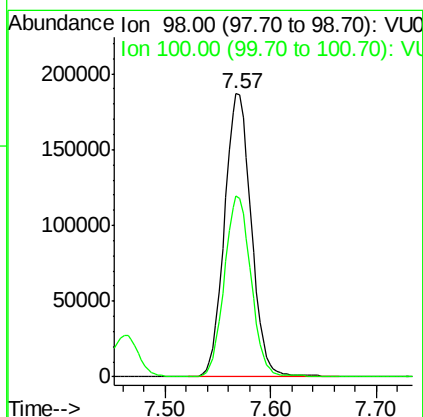
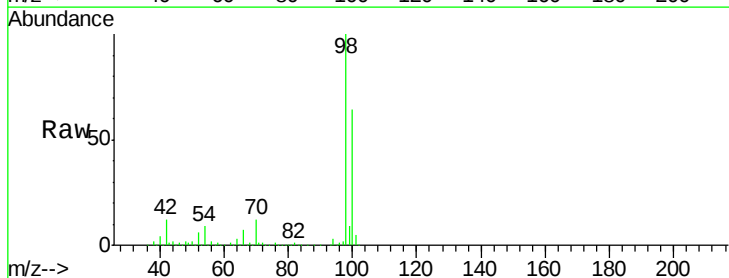
Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	42.8
58	70.1	58.2	87.4



#50
 Toluene-d8
 Concen: 46.051 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion: 98 Resp: 328344

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7

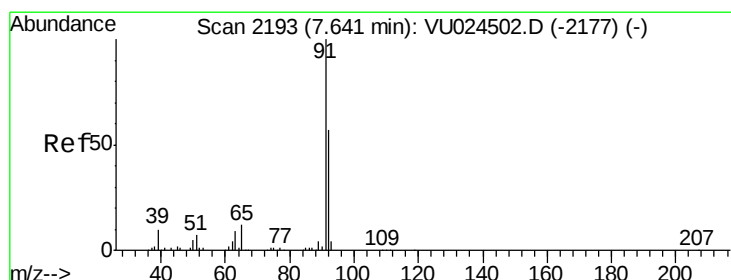
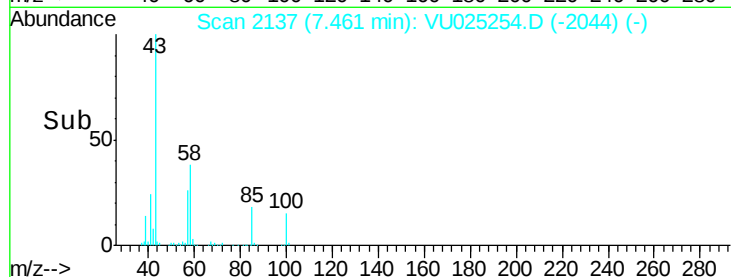
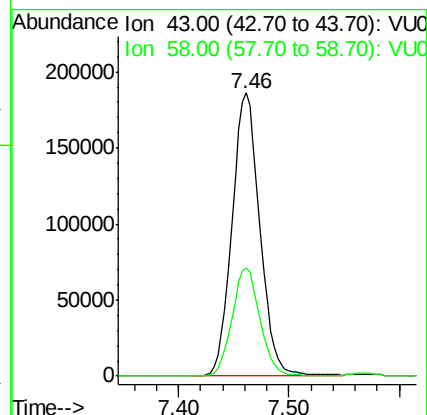
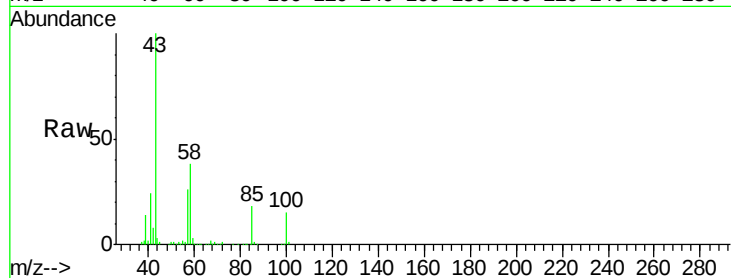




#51
 4-Methyl-2-Pentanone
 Concen: 99.504 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

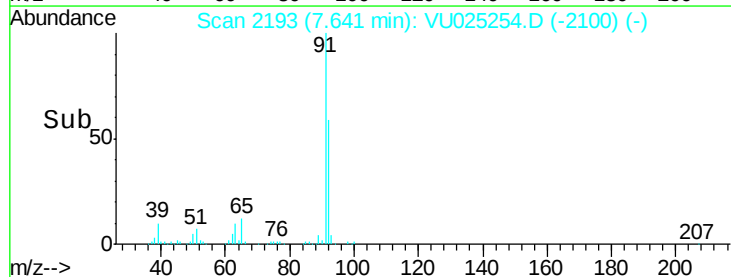
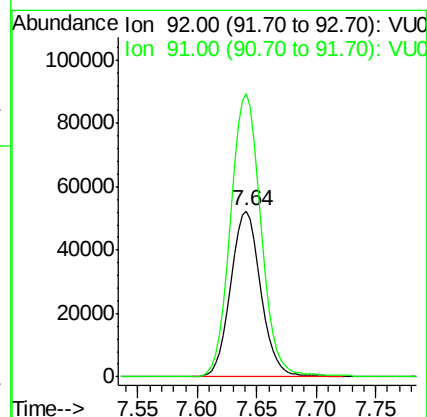
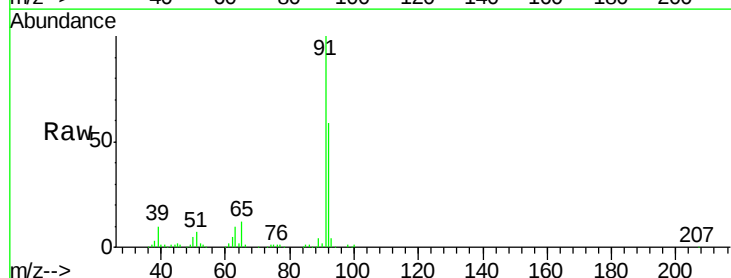
Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 325961
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.0 45.0



#52
 Toluene
 Concen: 18.132 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion: 92 Resp: 91997
 Ion Ratio Lower Upper
 92 100
 91 173.3 140.5 210.7

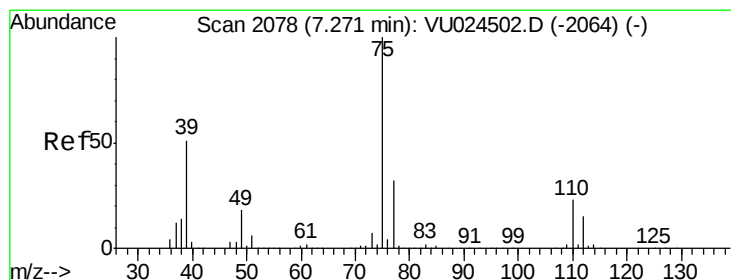
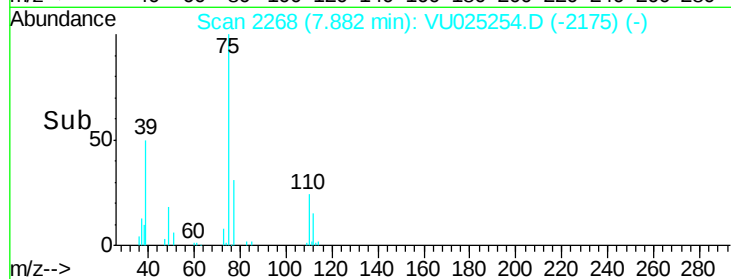
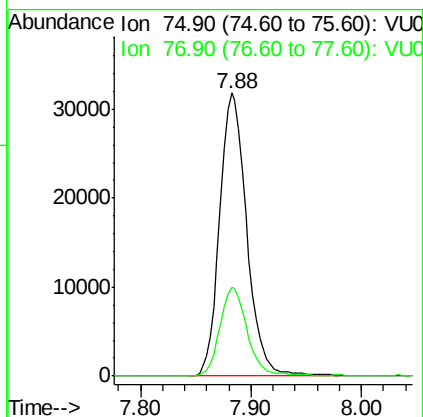
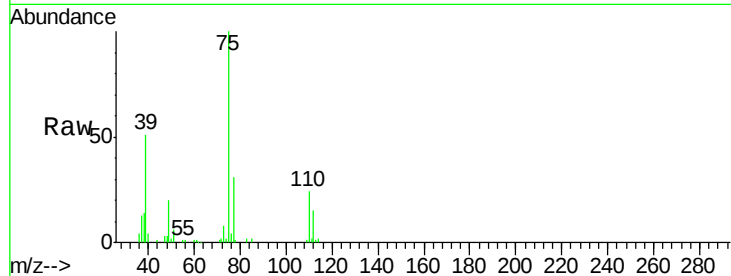




#53
t-1,3-Dichloropropene
Concen: 16.415 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

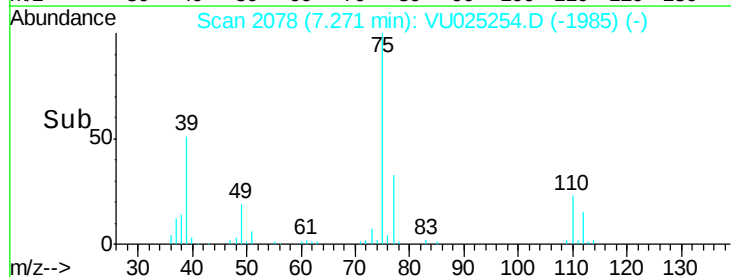
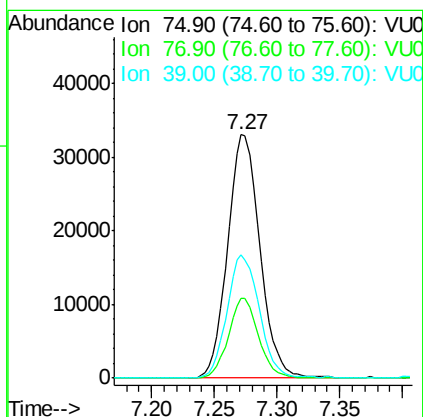
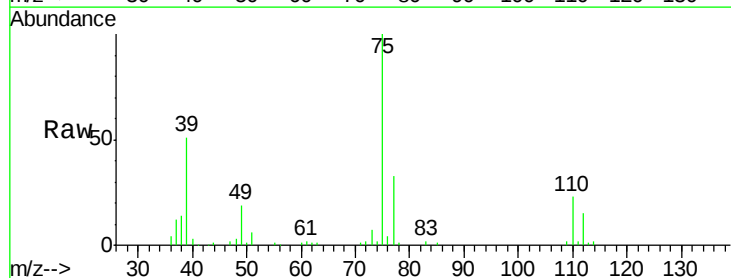
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 54255
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 16.817 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 75 Resp: 59229
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
39 50.6 39.8 59.6

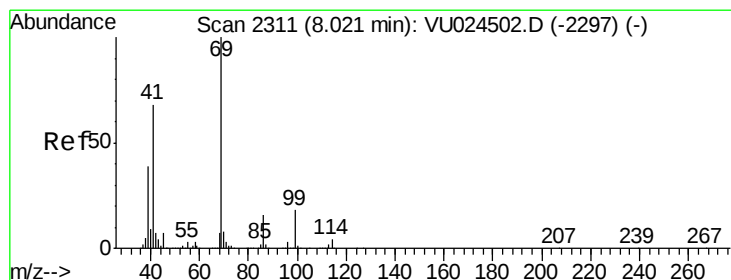
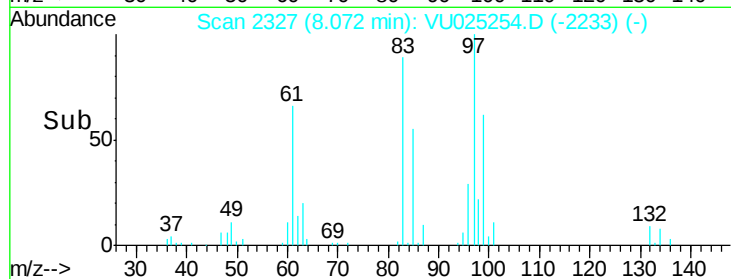
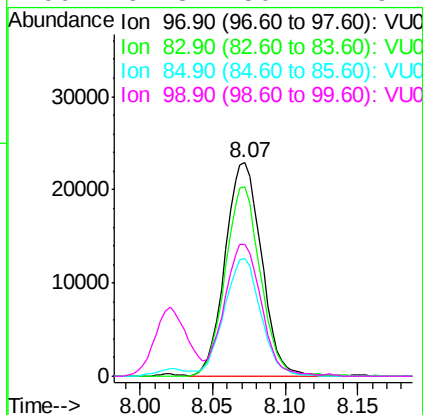
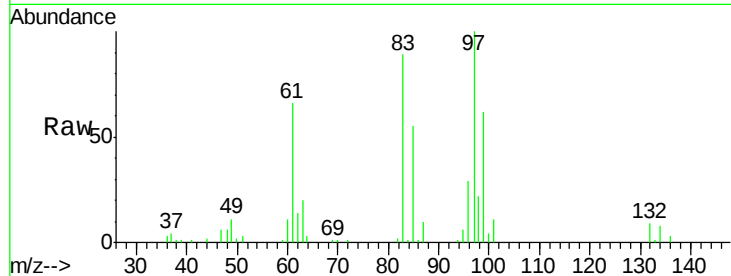




#55
 1,1,2-Trichloroethane
 Concen: 19.338 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

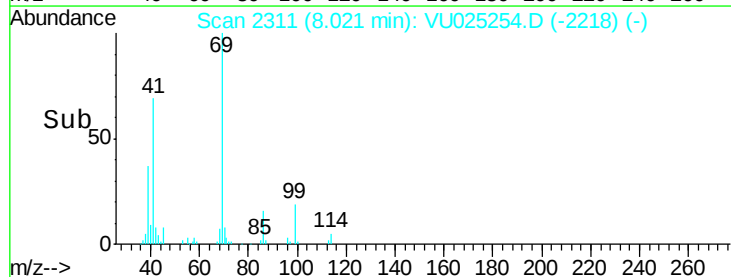
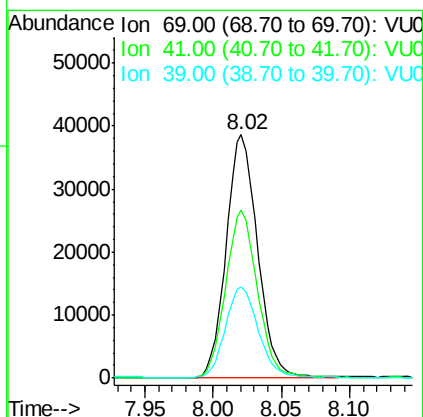
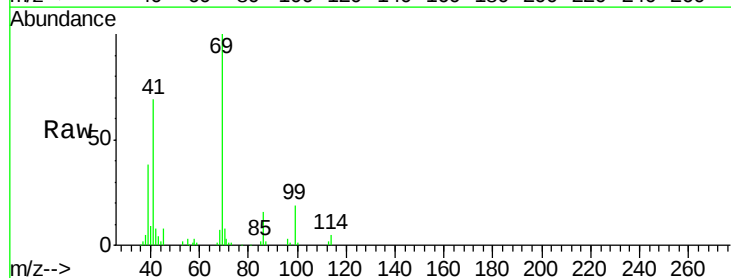
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	39884
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	55.3	46.4	69.6
99	61.3	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 17.978 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion:	69	Resp:	62060
Ion	Ratio	Lower	Upper
69	100		
41	69.7	54.1	81.1
39	39.6	30.3	45.5

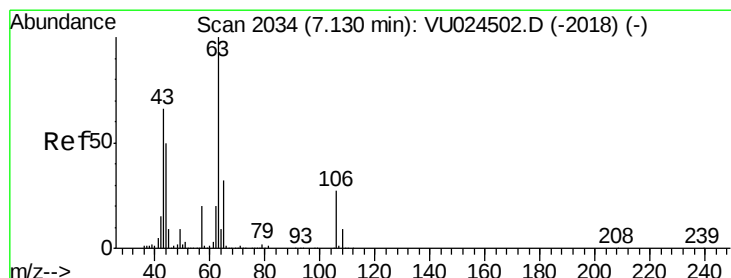
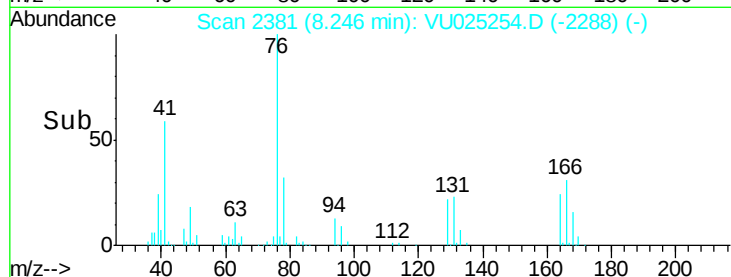
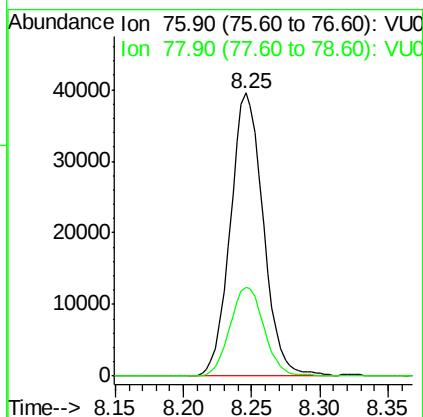
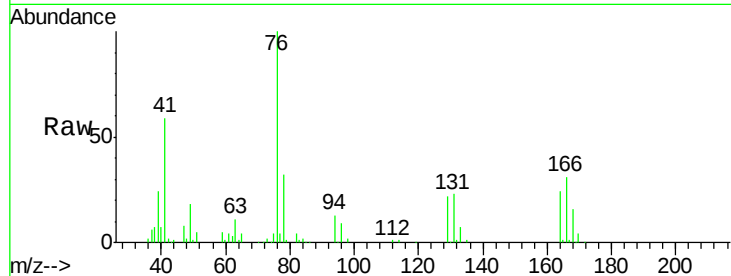




#57
 1,3-Dichloropropane
 Concen: 19.077 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

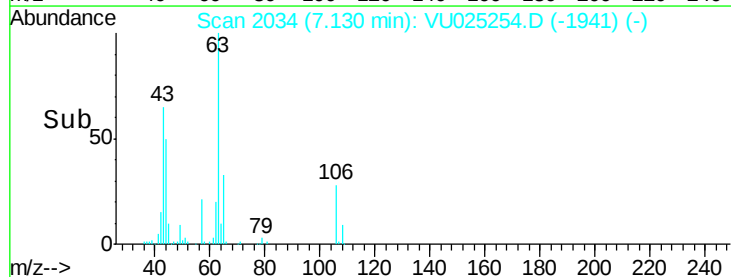
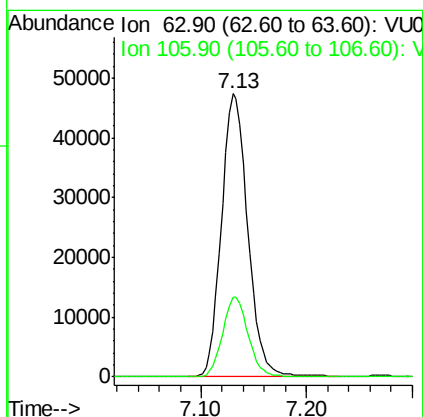
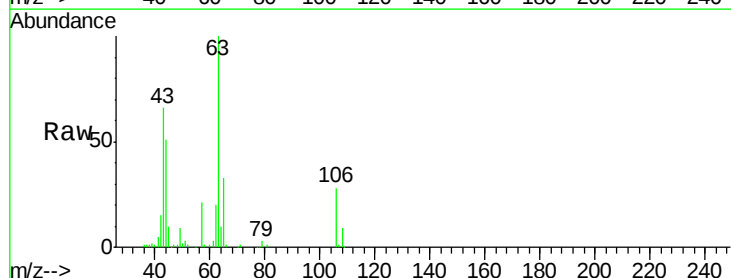
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 76 Resp: 66373
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 61.882 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion: 63 Resp: 81837
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2

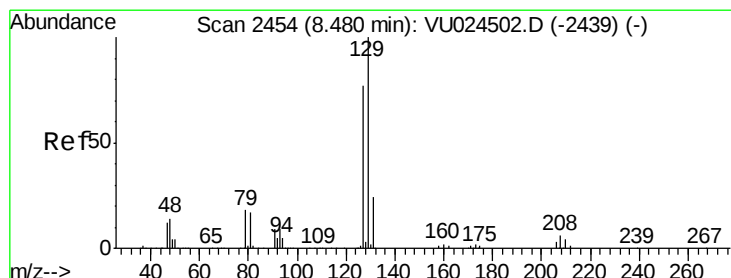
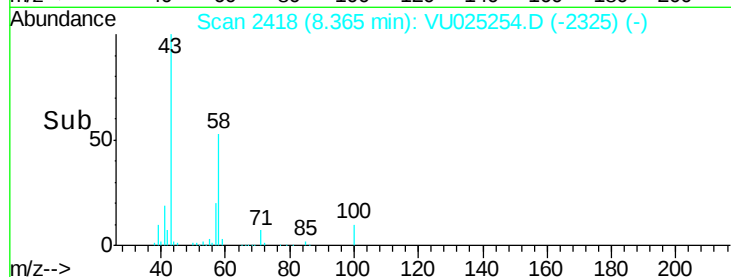
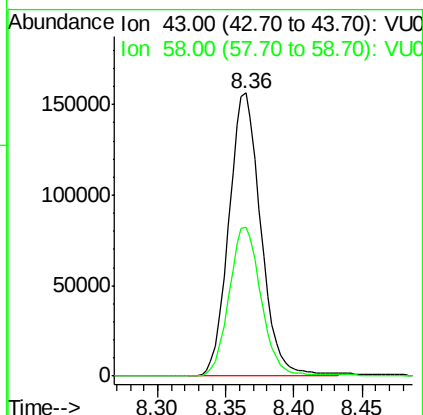
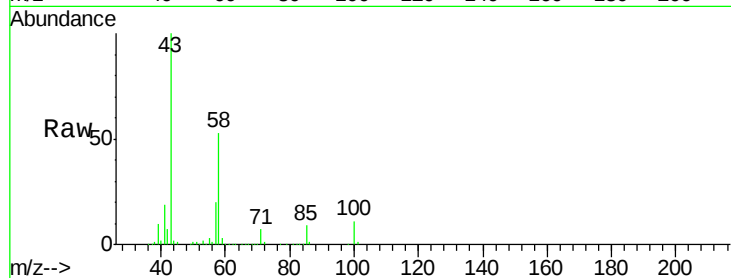




#59
2-Hexanone
Concen: 95.384 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

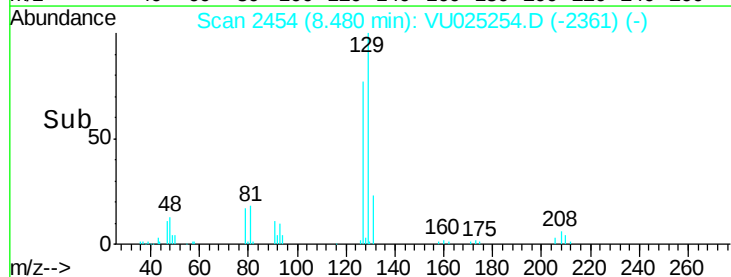
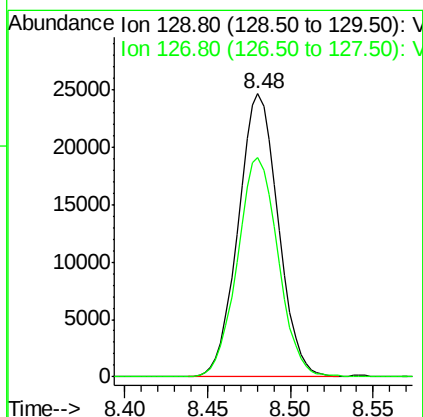
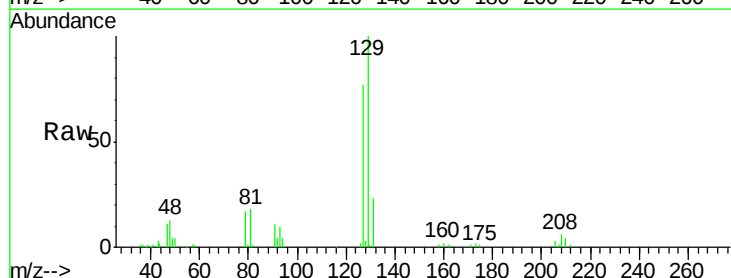
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 255099
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0



#60
Dibromochloromethane
Concen: 16.059 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 129 Resp: 41302
Ion Ratio Lower Upper
129 100
127 79.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.744 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

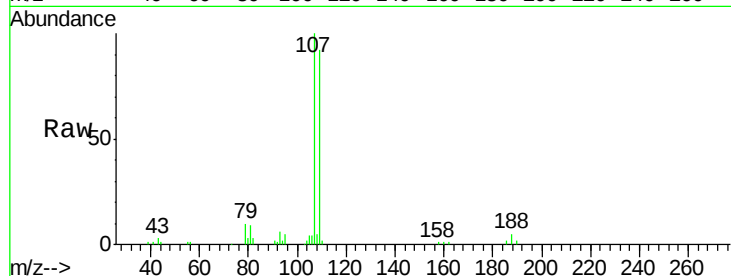
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 43029

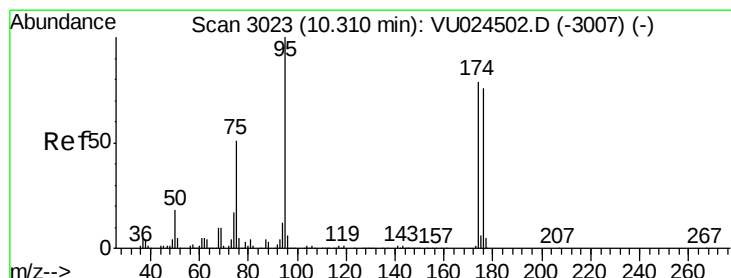
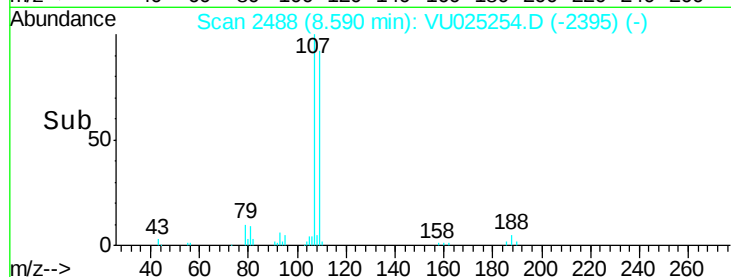
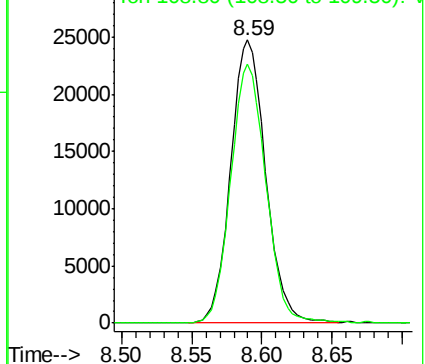
Ion Ratio Lower Upper

107 100

109 92.1 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.042 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

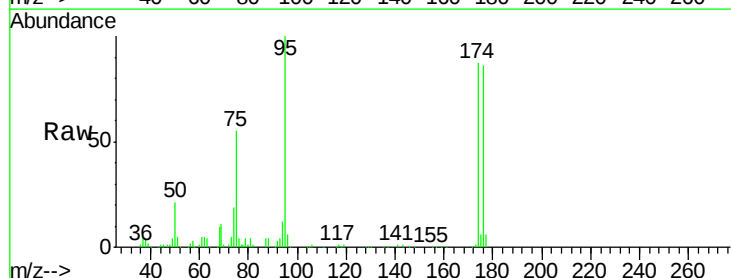
Tgt Ion: 95 Resp: 127509

Ion Ratio Lower Upper

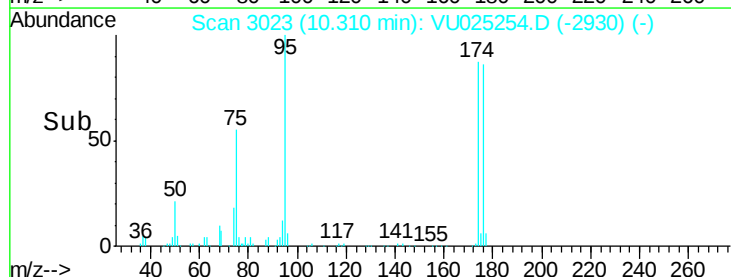
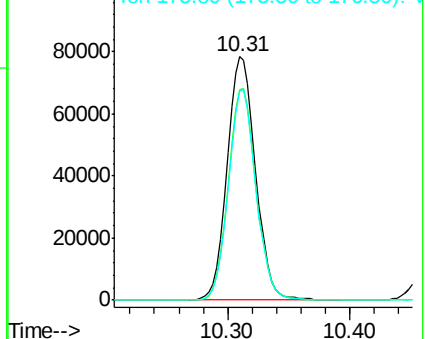
95 100

174 85.5 0.0 165.8

176 83.8 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

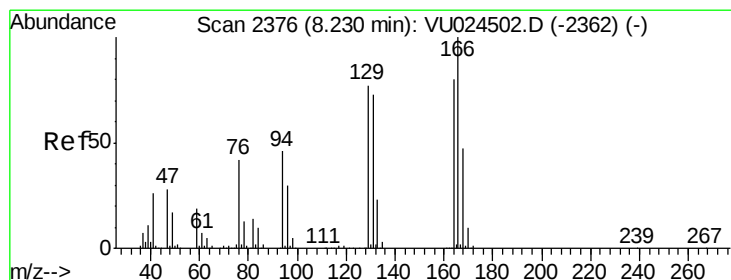
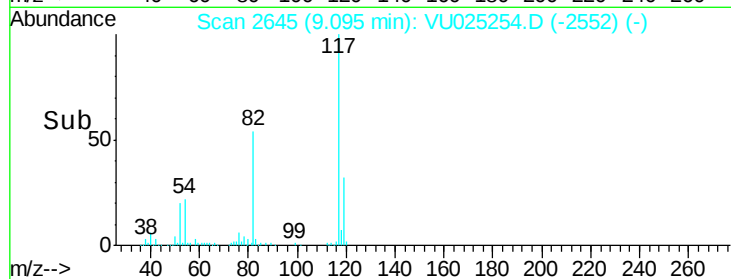
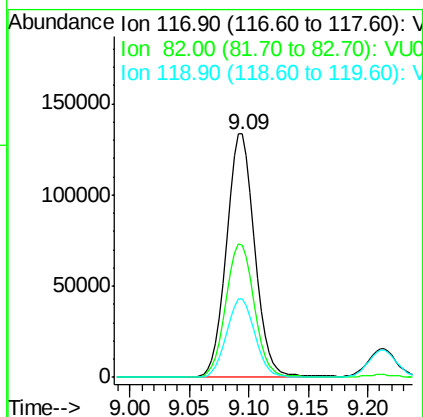
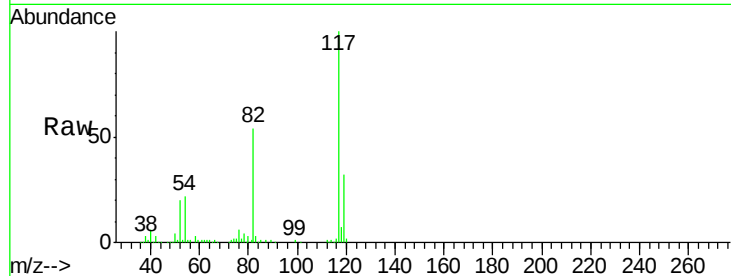




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

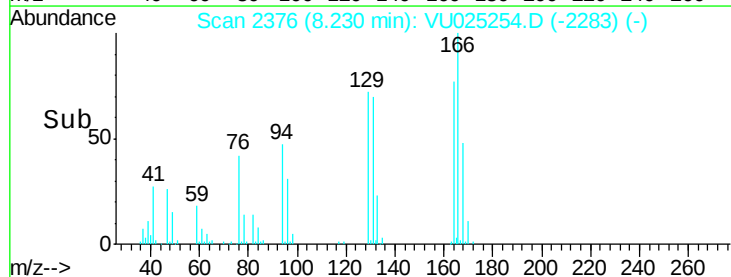
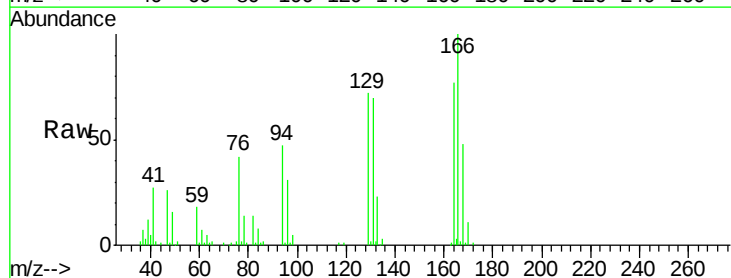
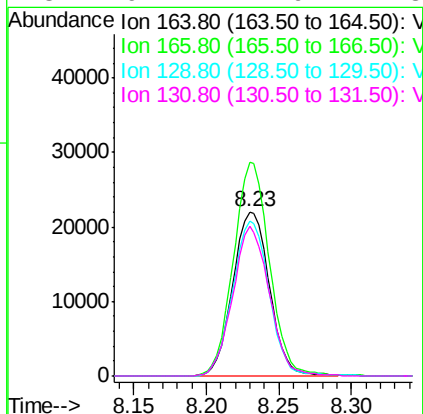
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.3	66.5
119	32.5	25.4	38.2



#64
Tetrachloroethene
Concen: 18.416 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.7	152.5
129	94.3	76.9	115.3
131	91.2	74.9	112.3

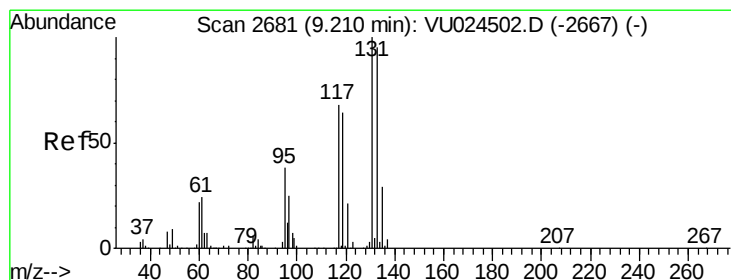
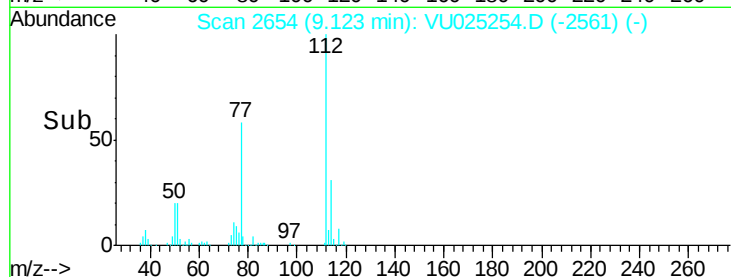
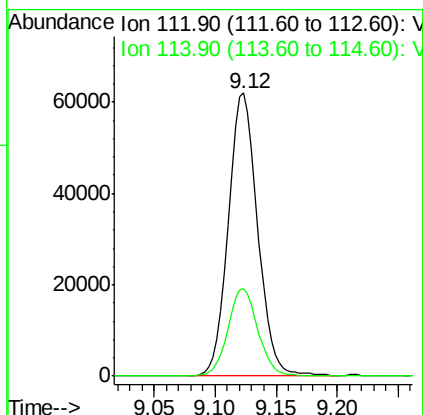
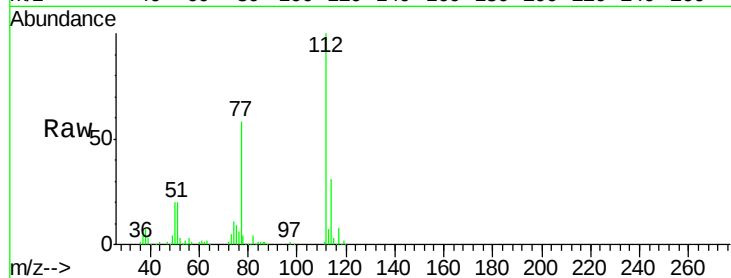




#65
Chlorobenzene
Concen: 18.563 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

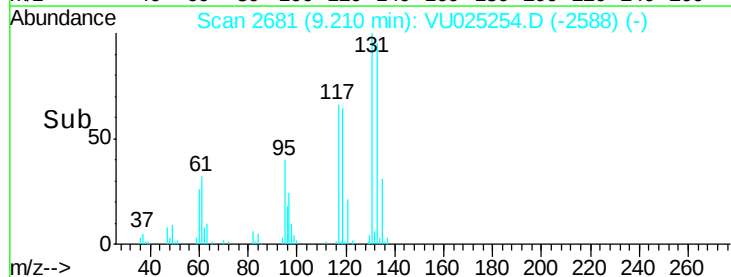
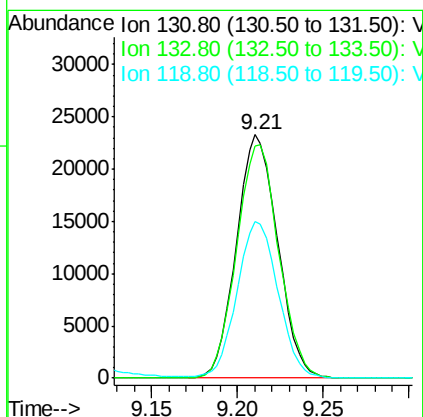
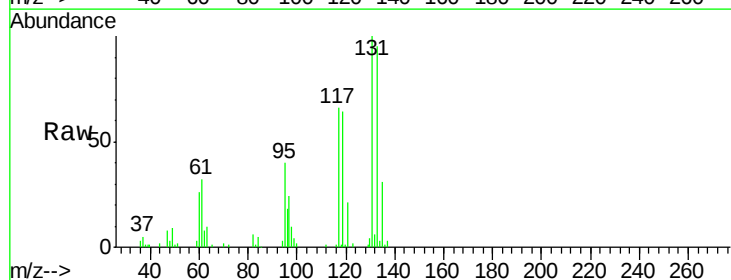
Instrument :
MSVOA_U
ClientSampleId :

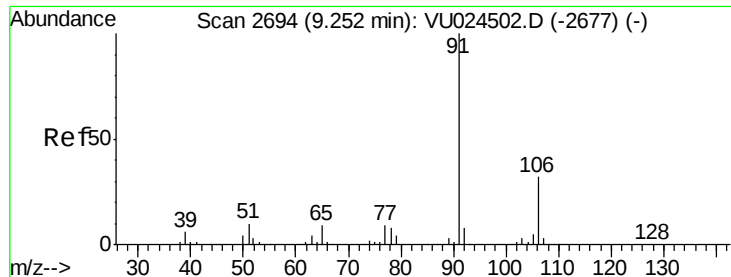
Tot Ion:112 Resp: 104544
Ion Ratio Lower Upper
112 100
114 31.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.077 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion:131 Resp: 38680
Ion Ratio Lower Upper
131 100
133 98.0 46.9 140.8
119 64.3 33.5 100.4

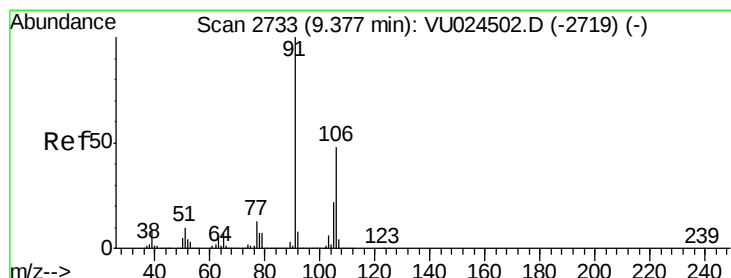
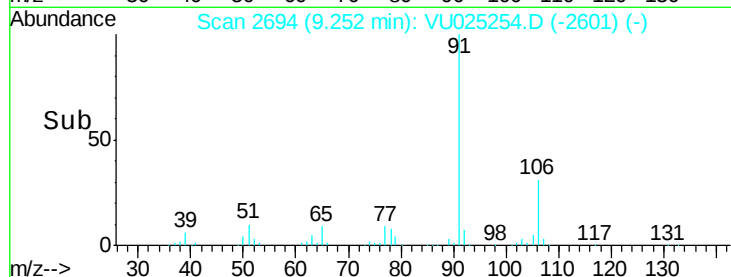
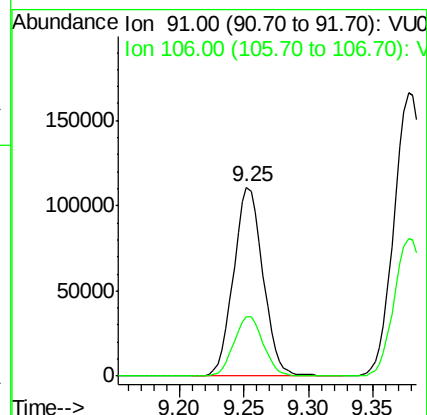
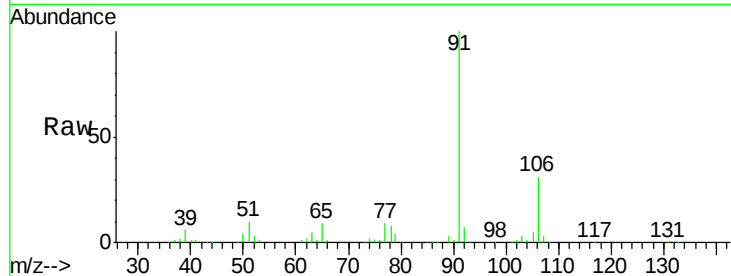




#67
Ethyl Benzene
Concen: 17.843 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

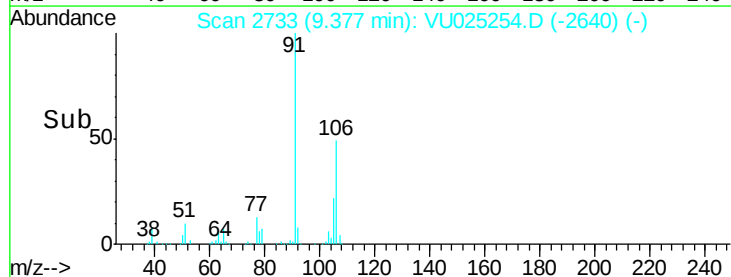
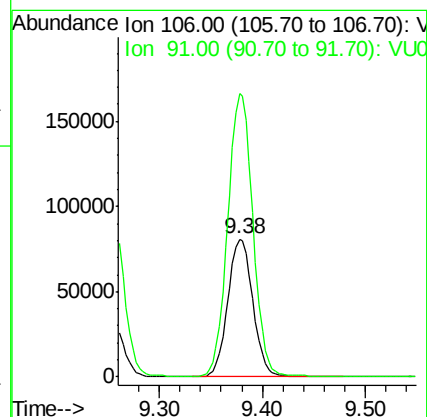
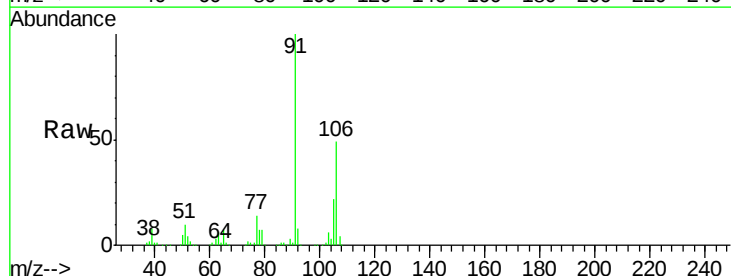
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 176169
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4



#68
m/p-Xylenes
Concen: 36.109 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 106 Resp: 136903
Ion Ratio Lower Upper
106 100
91 206.6 166.5 249.7

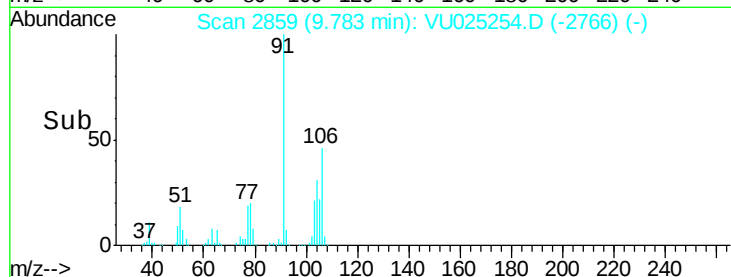
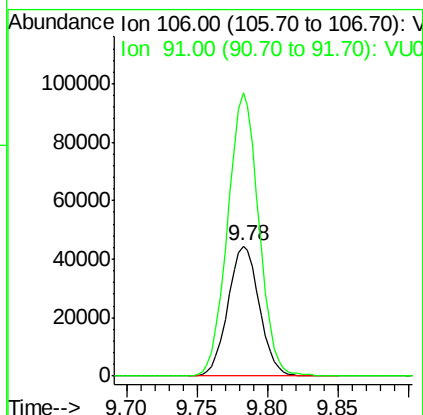
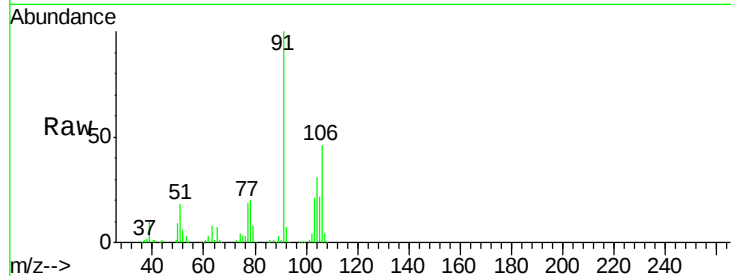




#69
o-Xylene
Concen: 18.498 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

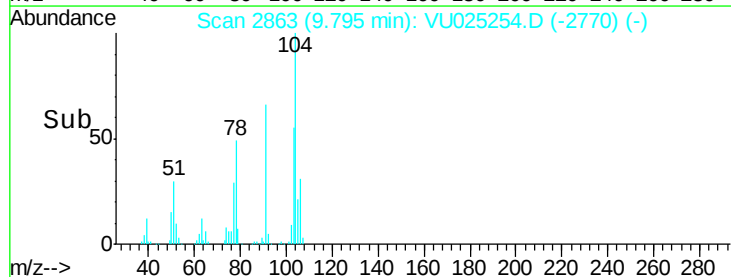
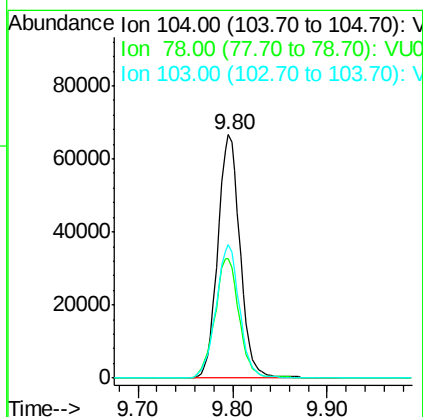
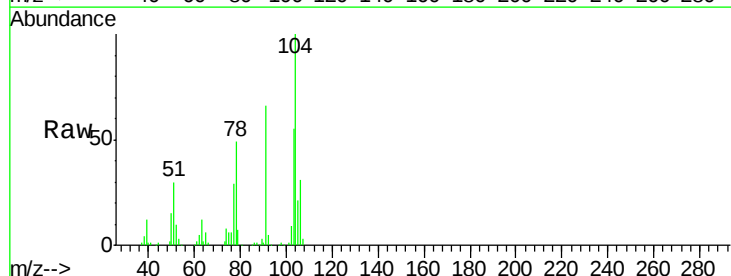
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 69406
Ion Ratio Lower Upper
106 100
91 216.4 110.7 331.9



#70
Styrene
Concen: 17.684 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion:104 Resp: 109043
Ion Ratio Lower Upper
104 100
78 53.1 40.6 60.8
103 57.3 44.7 67.1

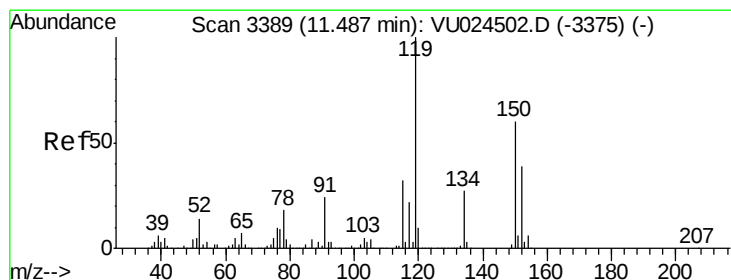
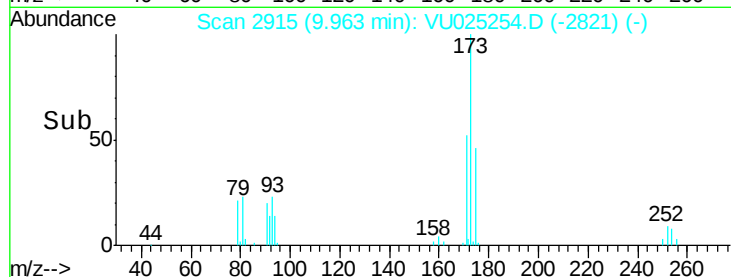
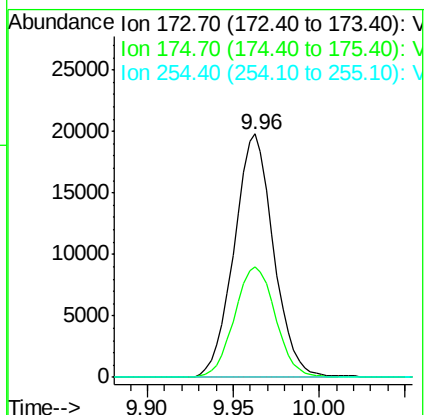
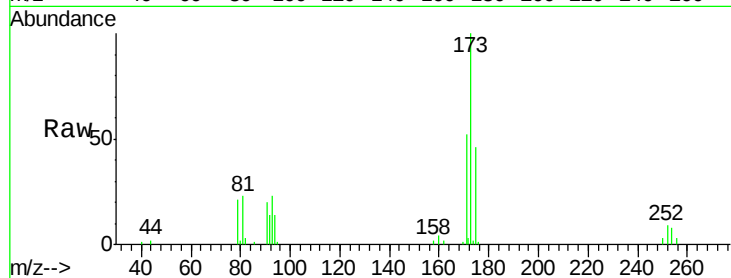




#71
Bromoform
Concen: 15.511 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

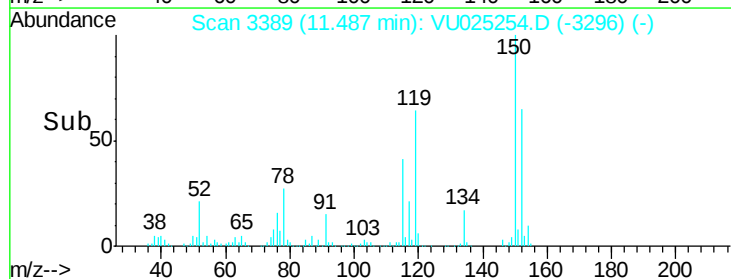
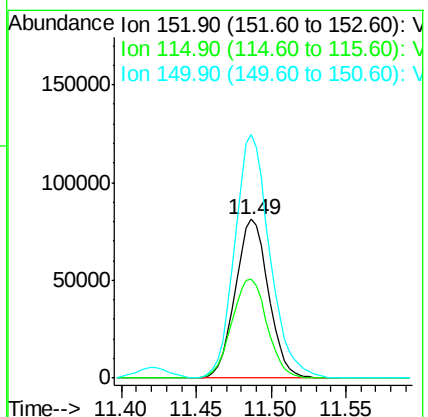
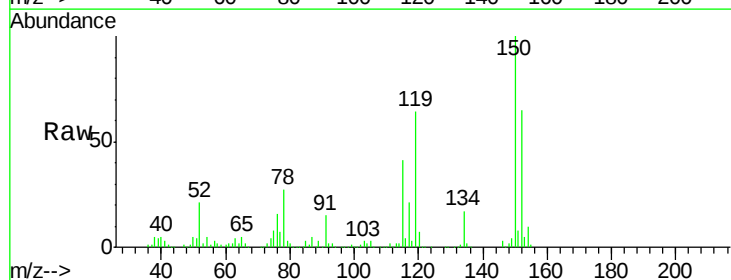
Instrument :
MSVOA_U
ClientSampled :

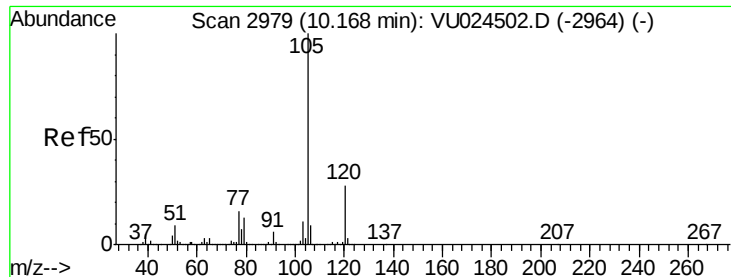
Tot Ion:173 Resp: 31545
Ion Ratio Lower Upper
173 100
175 47.0 24.6 74.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion:152 Resp: 126079
Ion Ratio Lower Upper
152 100
115 66.2 43.0 129.0
150 161.4 0.0 354.0





#73

Isopropylbenzene

Concen: 18.965 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

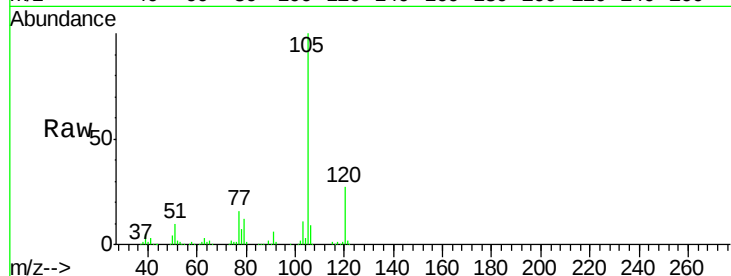
ClientSampleId :

Tot Ion:105 Resp: 183578

Ion Ratio Lower Upper

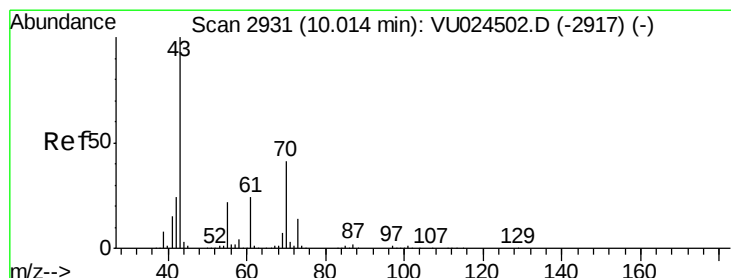
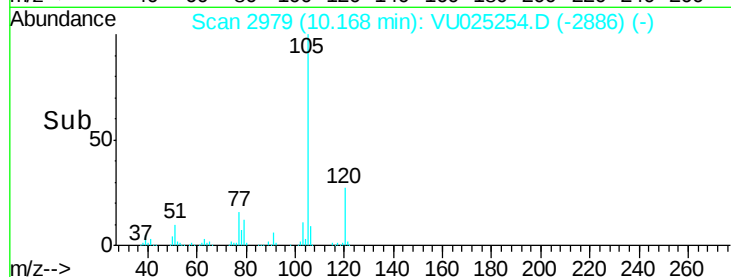
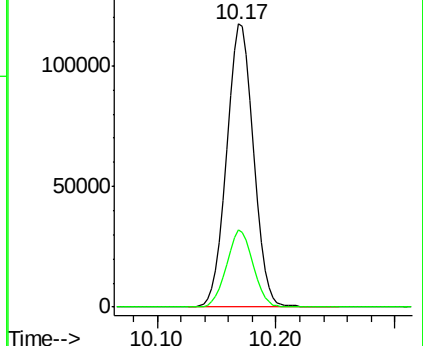
105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.771 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Tgt Ion: 43 Resp: 81823

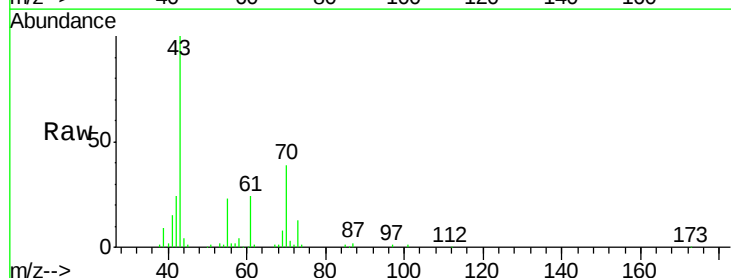
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.4

55 24.5 20.5 30.7

61 23.2 18.7 28.1

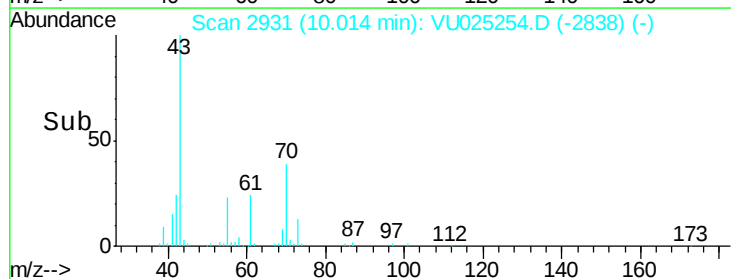
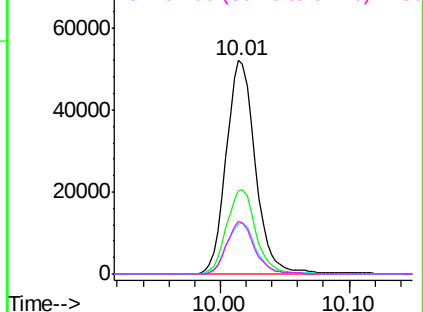


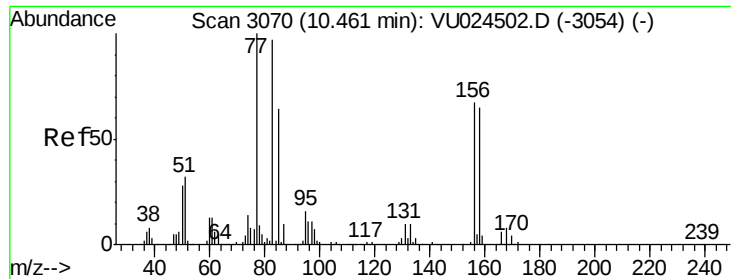
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.199 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

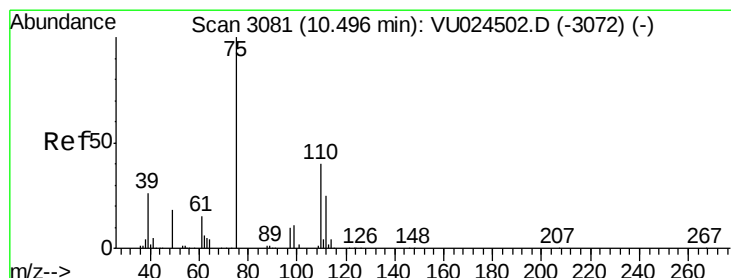
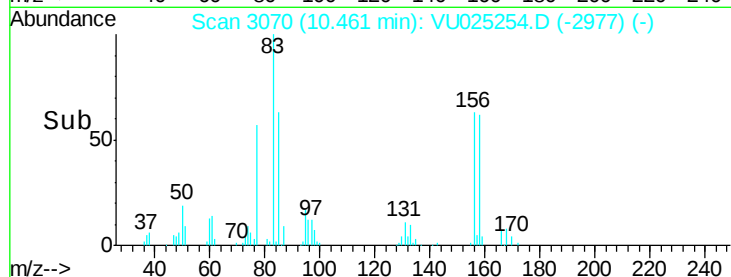
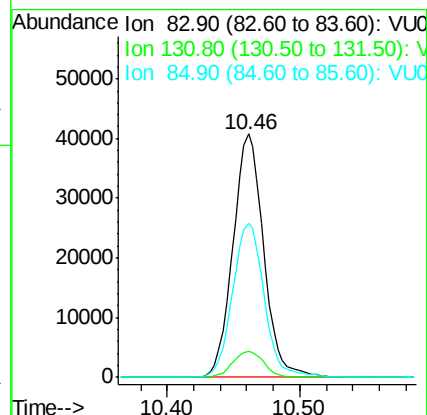
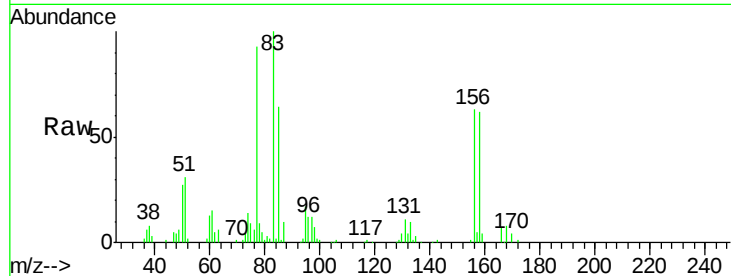
Tot Ion: 83 Resp: 65520

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

85 65.2 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 26.794 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025254.D

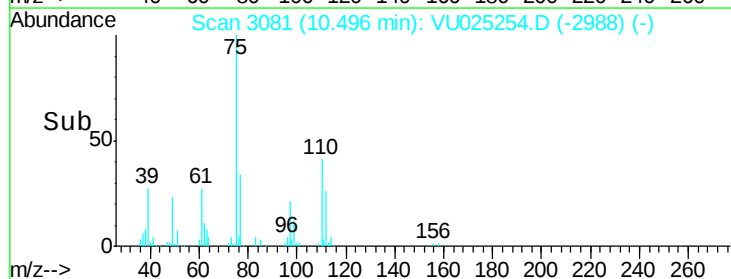
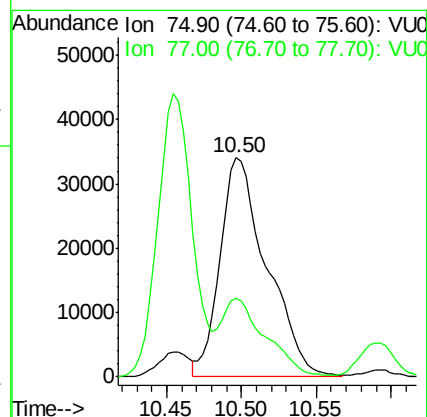
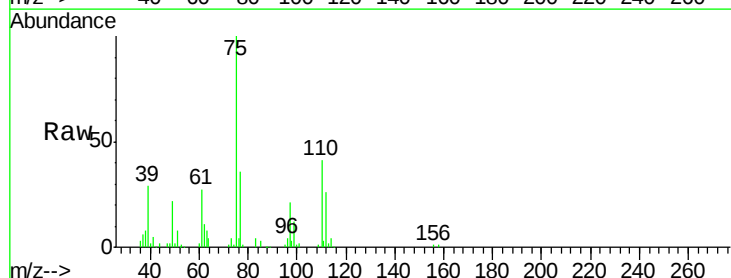
Acq: 06 Jul 2018 20:54

Tgt Ion: 75 Resp: 74375

Ion Ratio Lower Upper

75 100

77 32.4 20.9 62.7





#77

Bromobenzene

Concen: 19.222 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

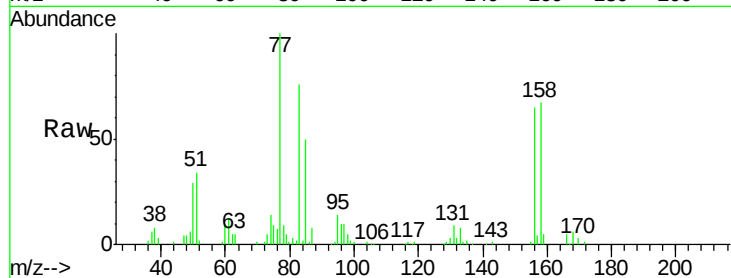
Tot Ion:156 Resp: 47106

Ion Ratio Lower Upper

156 100

77 149.4 80.5 241.3

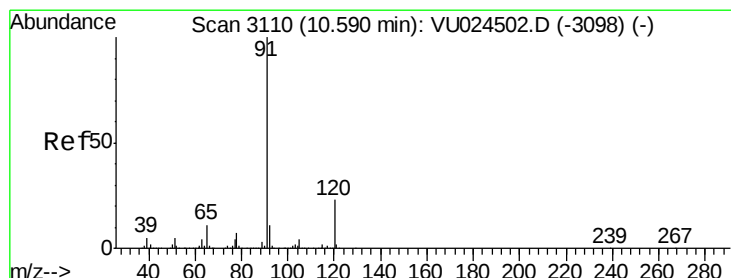
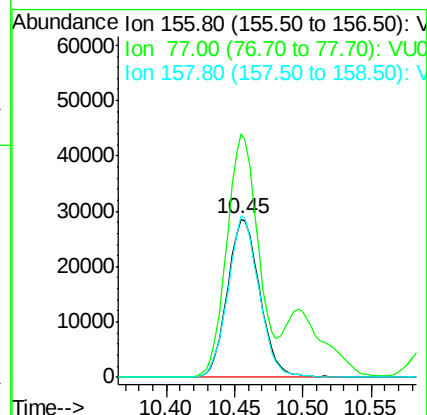
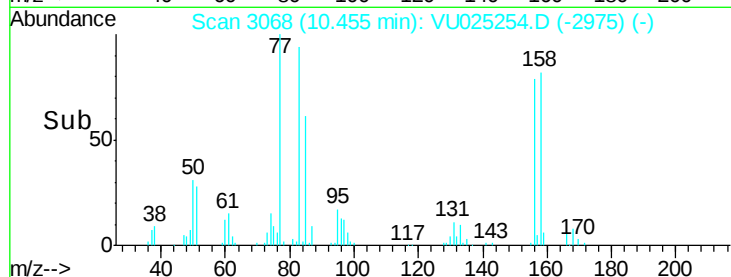
158 98.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.759 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025254.D

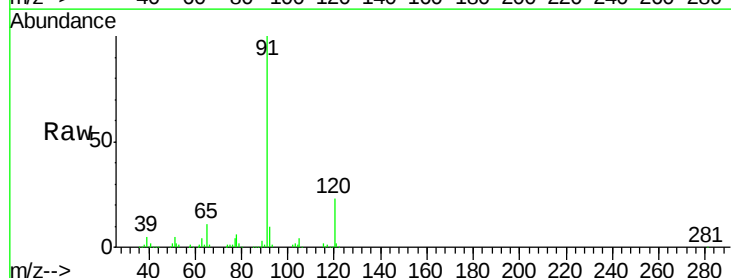
Acq: 06 Jul 2018 20:54

Tgt Ion: 91 Resp: 202497

Ion Ratio Lower Upper

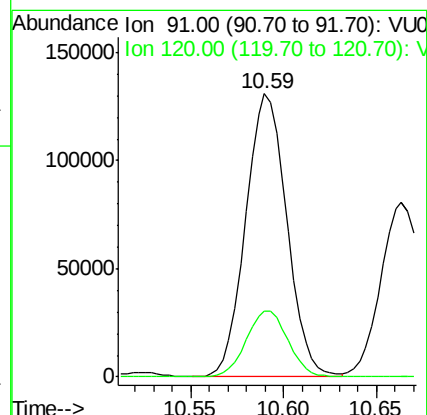
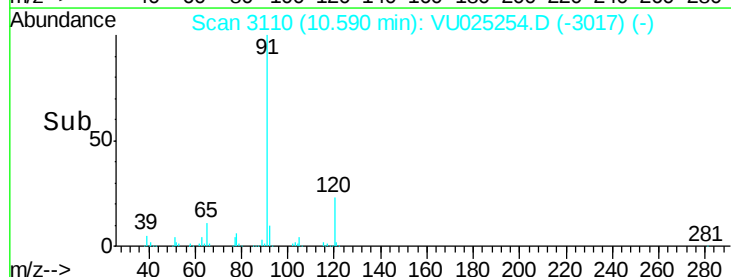
91 100

120 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

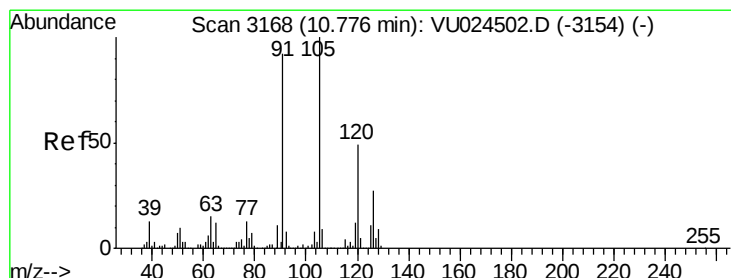
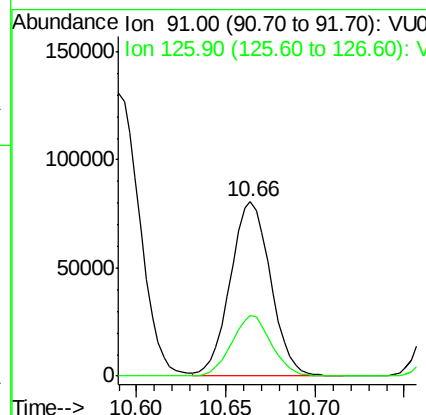
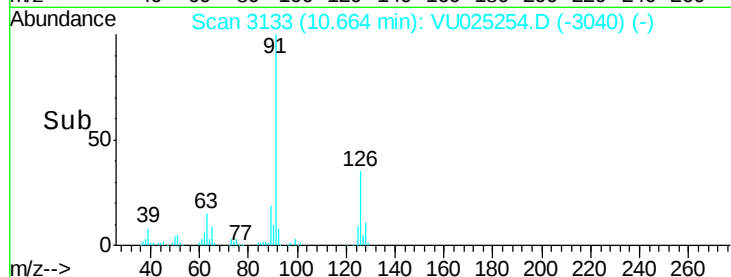
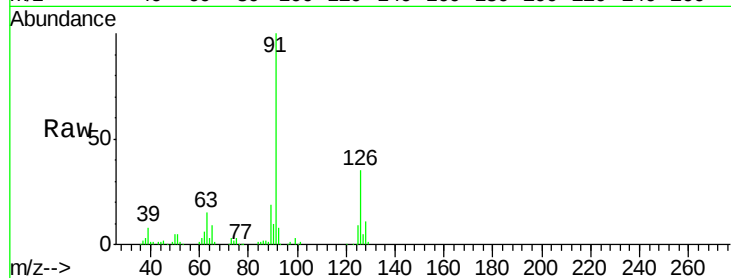




#79
 2-Chlorotoluene
 Concen: 18.723 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

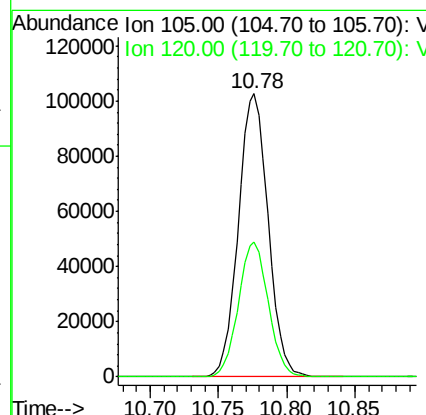
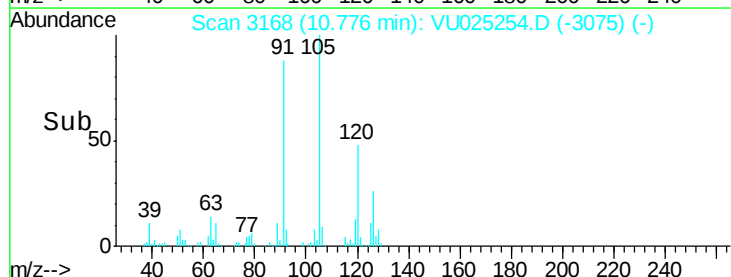
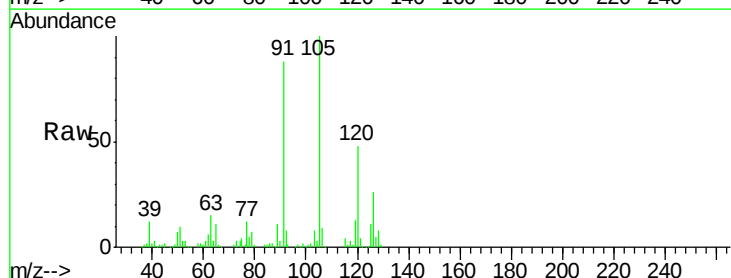
Instrument :
 MSVOA_U
 ClientSampleId :

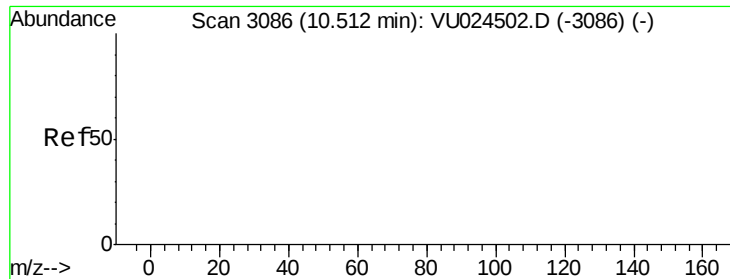
Tot Ion: 91 Resp: 125899
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 18.510 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion: 105 Resp: 155294
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.2

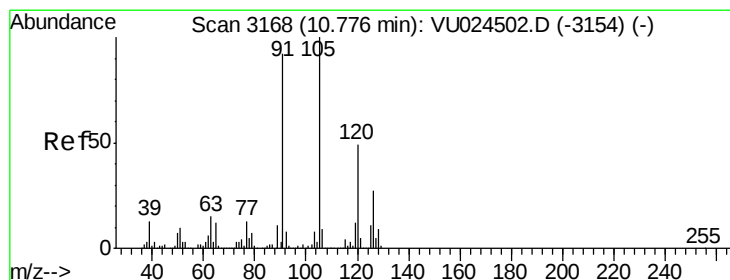
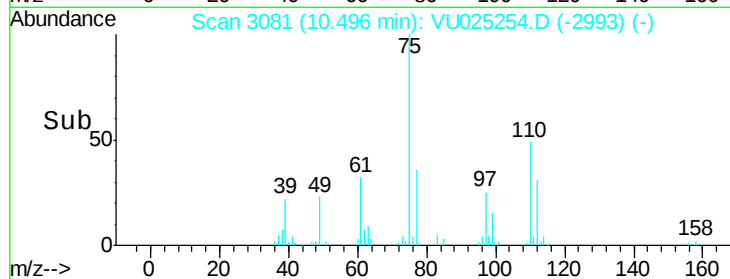
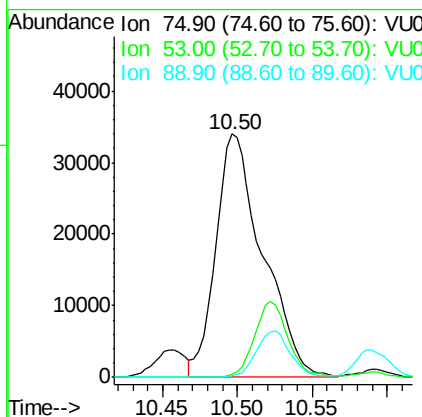
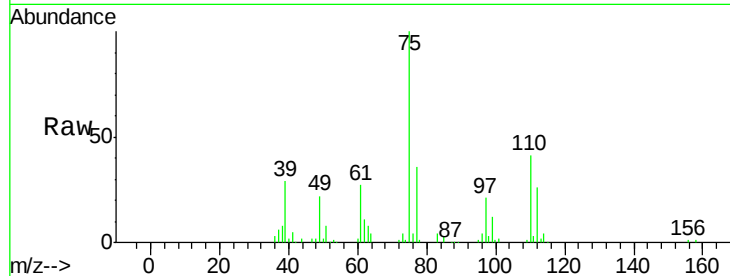




#81
trans-1,4-Dichloro-2-butene
Concen: 62.013 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

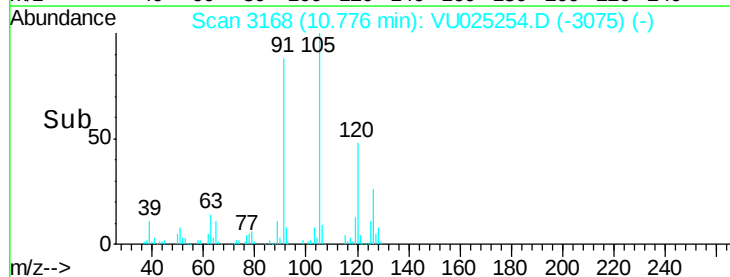
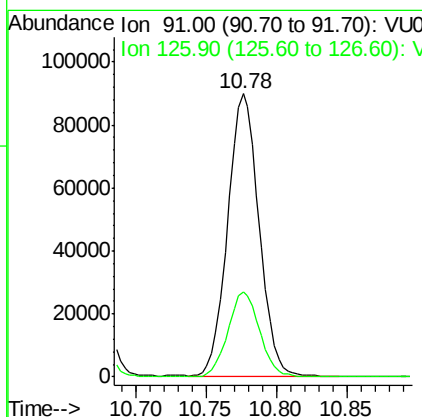
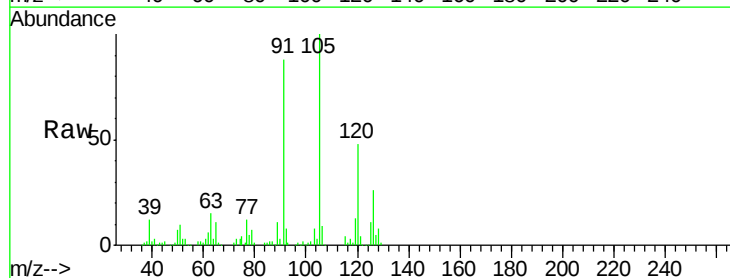
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 74375
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 17.813 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025254.D
Acq: 06 Jul 2018 20:54

Tgt Ion: 91 Resp: 139411
Ion Ratio Lower Upper
91 100
126 30.4 14.9 44.9





#83

tert-Butylbenzene

Concen: 19.156 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampled :

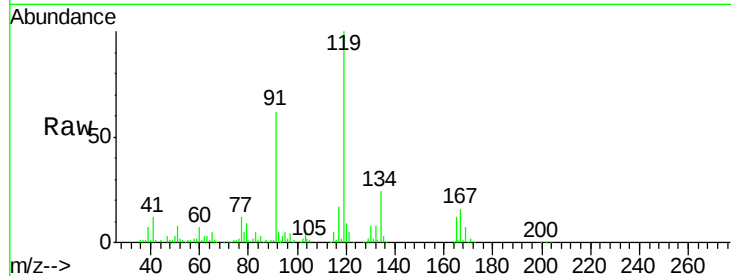
Tot Ion:119 Resp: 154597

Ion Ratio Lower Upper

119 100

91 60.9 29.7 89.1

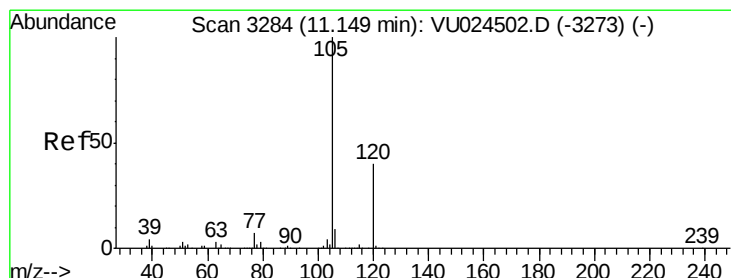
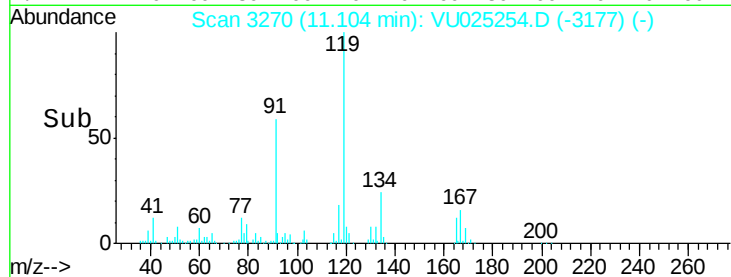
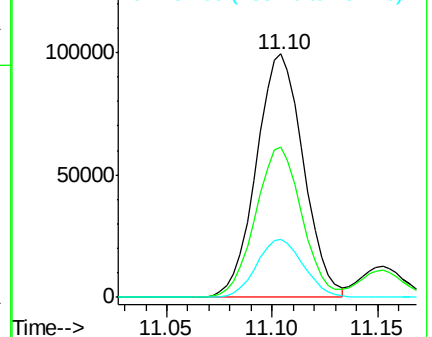
134 23.7 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.052 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025254.D

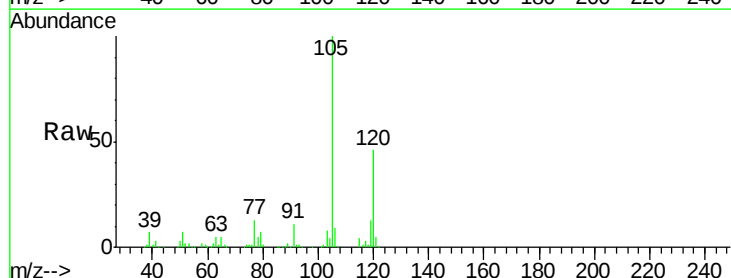
Acq: 06 Jul 2018 20:54

Tgt Ion:105 Resp: 154348

Ion Ratio Lower Upper

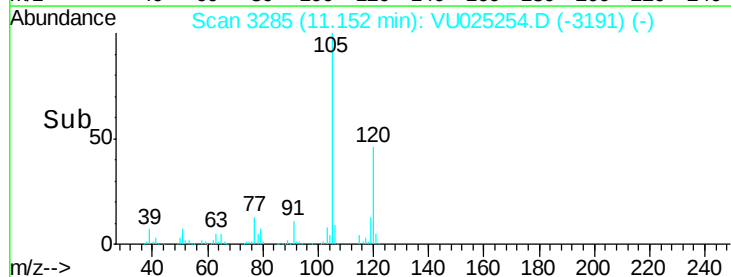
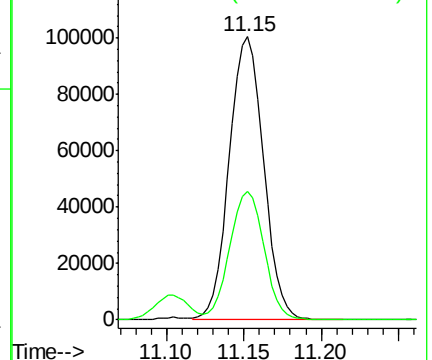
105 100

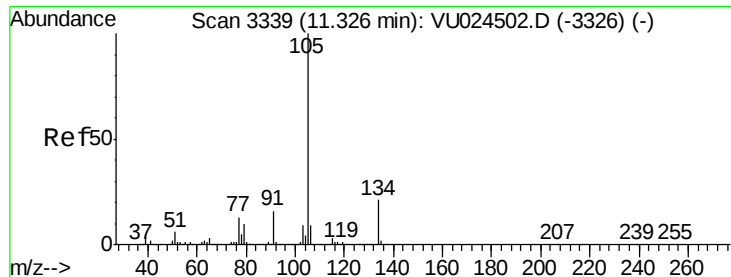
120 45.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.028 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

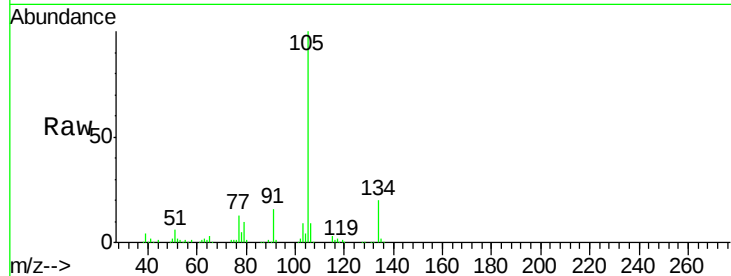
ClientSampleId :

Tot Ion:105 Resp: 182123

Ion Ratio Lower Upper

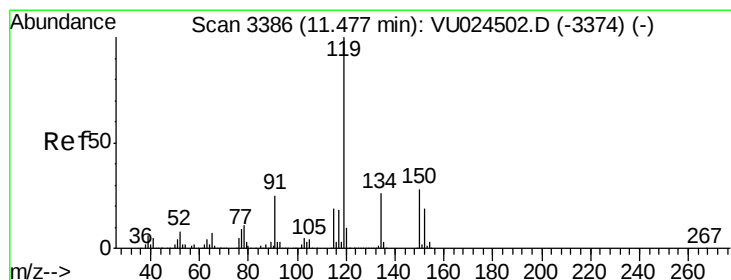
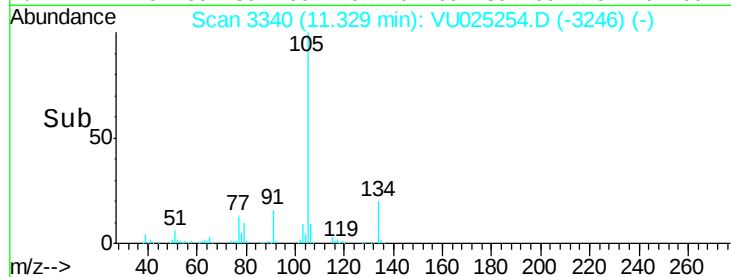
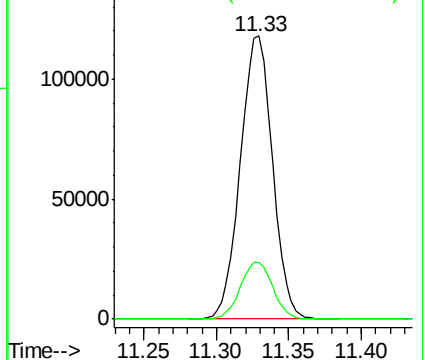
105 100

134 20.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.487 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

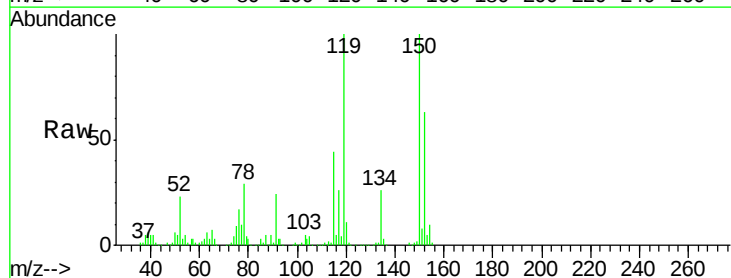
Tgt Ion:119 Resp: 158213

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

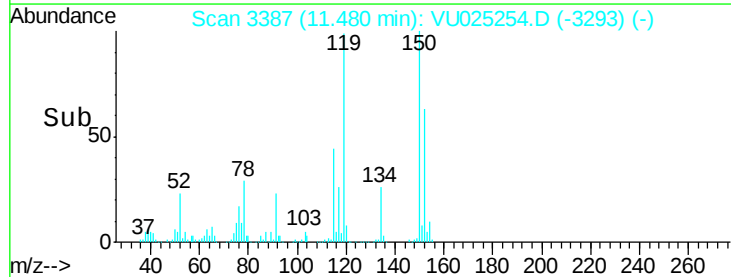
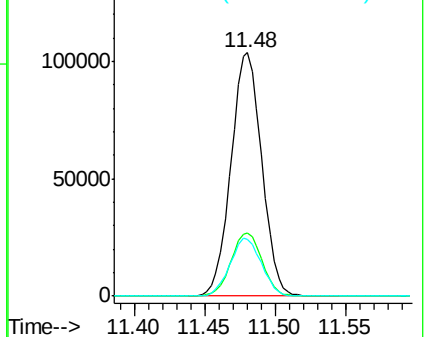
91 24.3 12.0 36.1



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

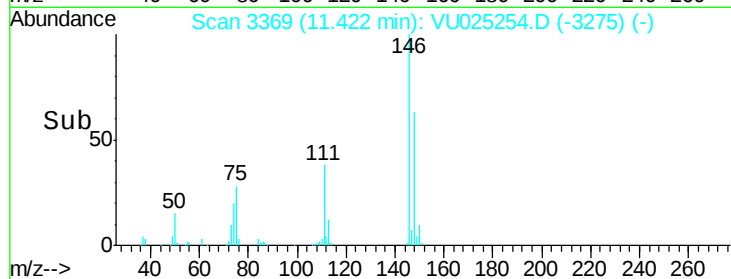
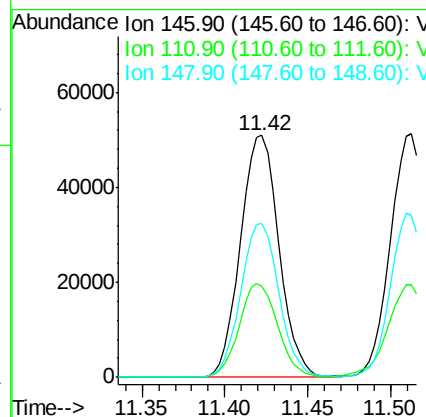
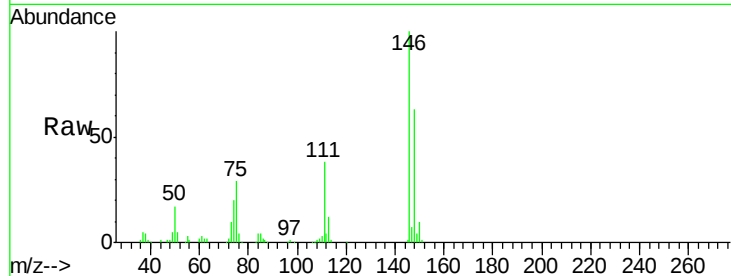




#87
 1,3-Dichlorobenzene
 Concen: 18.191 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

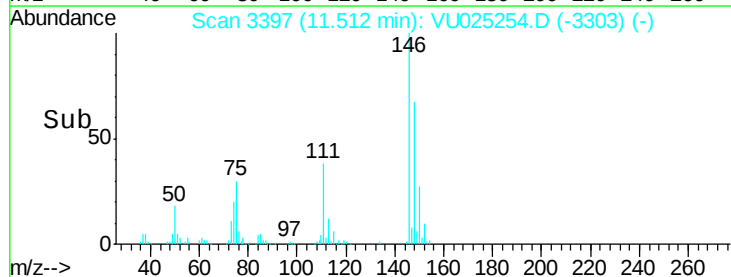
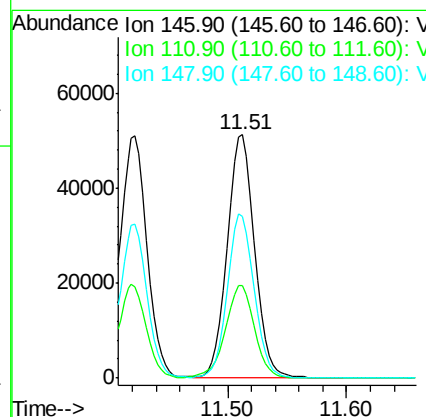
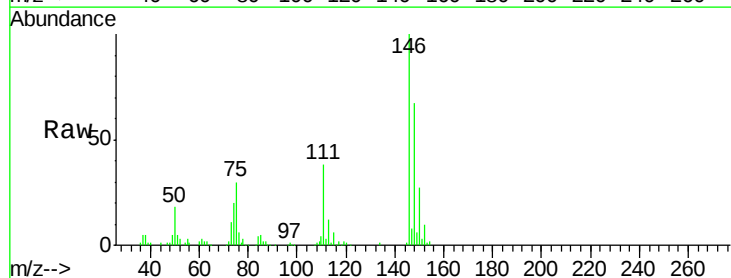
Instrument :
 MSVOA_U
 ClientSampleId :

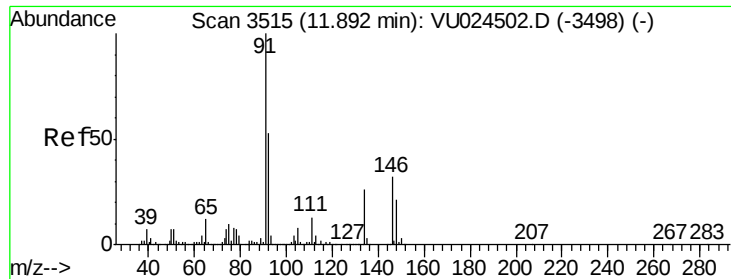
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	60.0
148	63.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 17.998 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.5	58.5
148	66.1	32.4	97.0





#89

n-Butylbenzene

Concen: 14.774 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

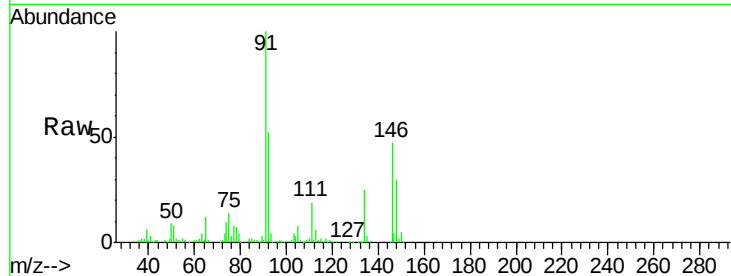
Tot Ion: 91 Resp: 118671

Ion Ratio Lower Upper

91 100

92 53.1 25.6 76.8

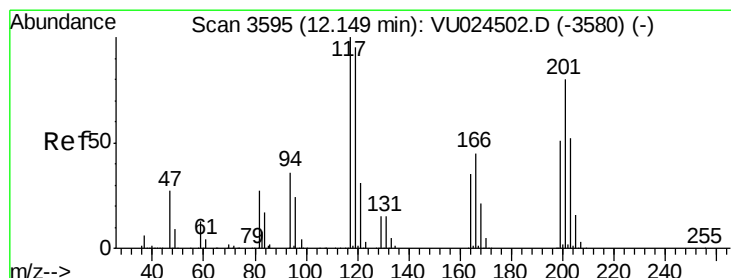
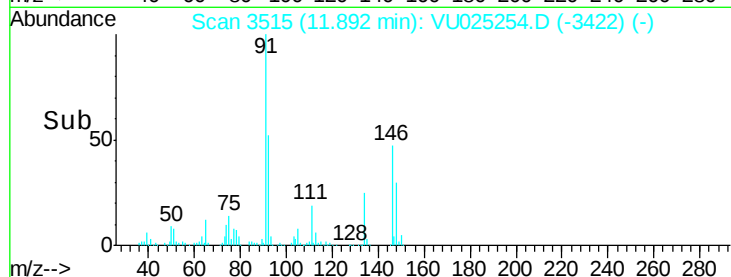
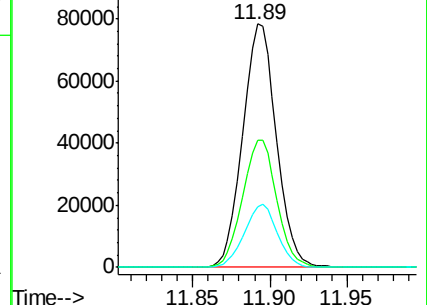
134 25.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 14.861 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025254.D

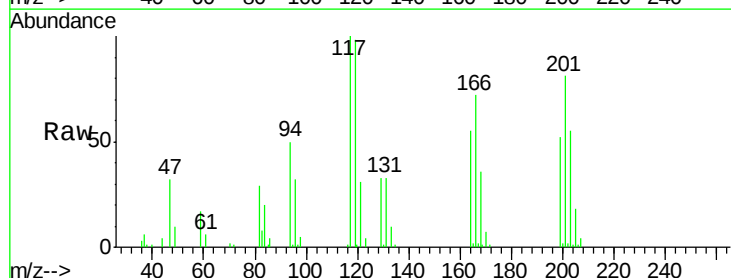
Acq: 06 Jul 2018 20:54

Tgt Ion: 117 Resp: 26230

Ion Ratio Lower Upper

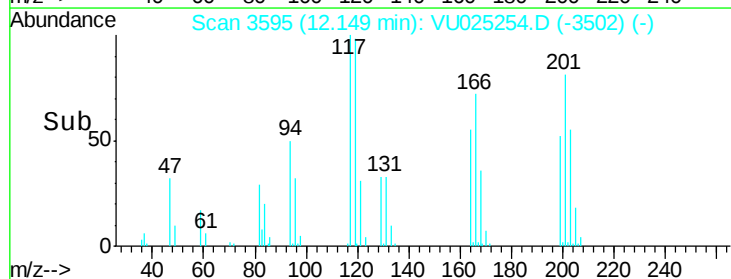
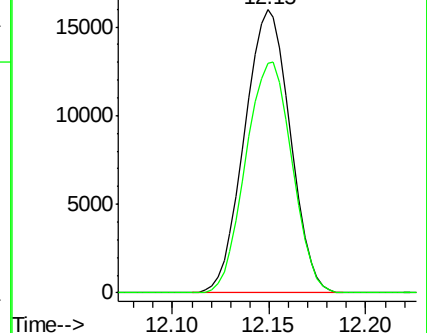
117 100

201 82.5 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)





#91

1,2-Dichlorobenzene

Concen: 18.828 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

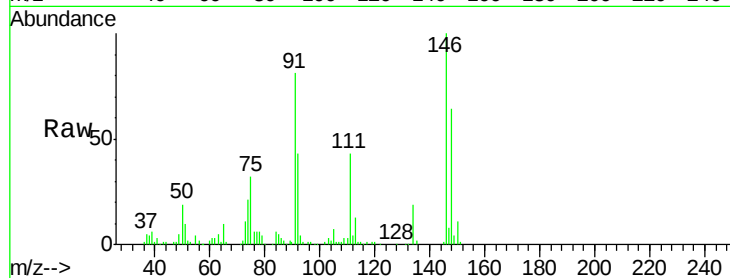
Tot Ion:146 Resp: 85382

Ion Ratio Lower Upper

146 100

111 41.7 20.5 61.6

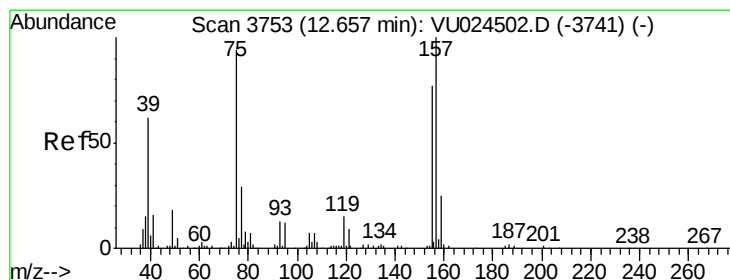
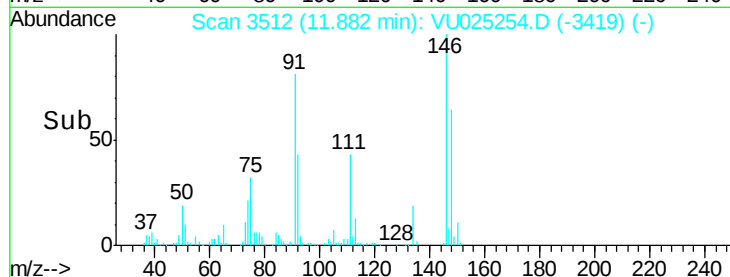
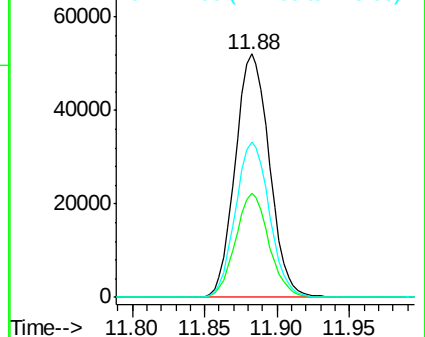
148 63.5 31.9 95.7



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: 17.510 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

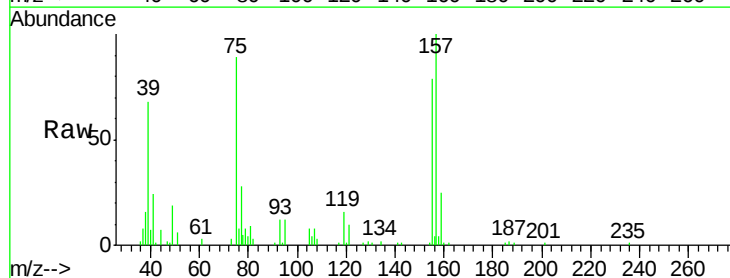
Tgt Ion: 75 Resp: 15672

Ion Ratio Lower Upper

75 100

155 86.8 40.4 121.2

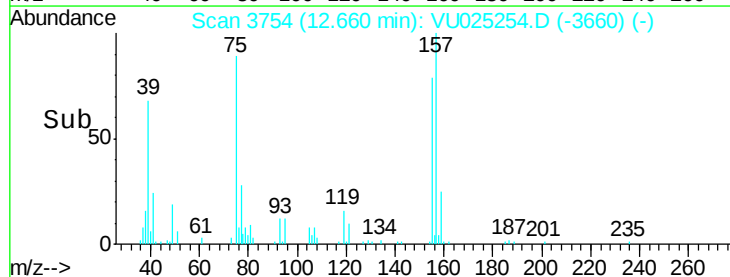
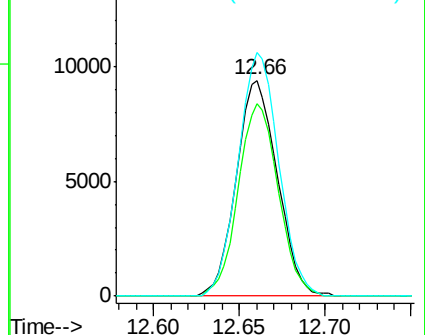
157 111.1 52.3 156.8

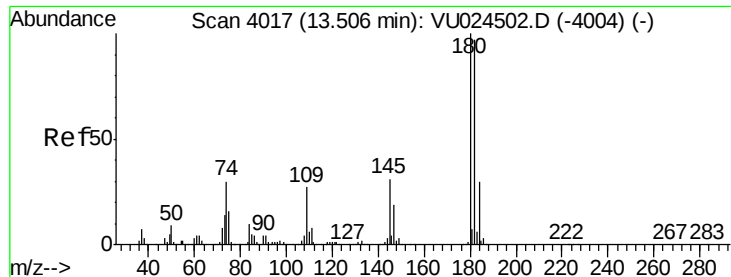


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

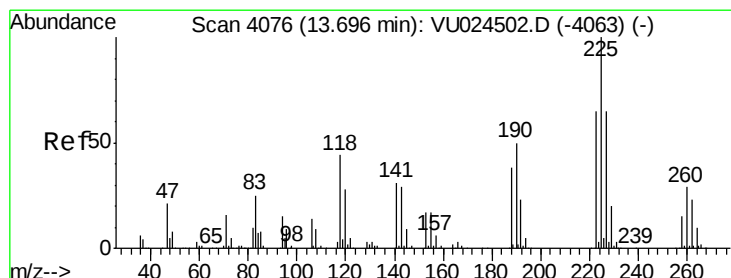
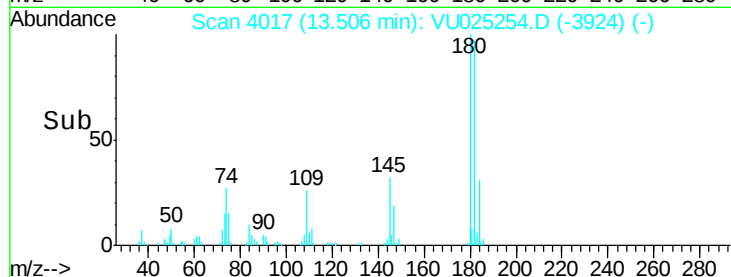
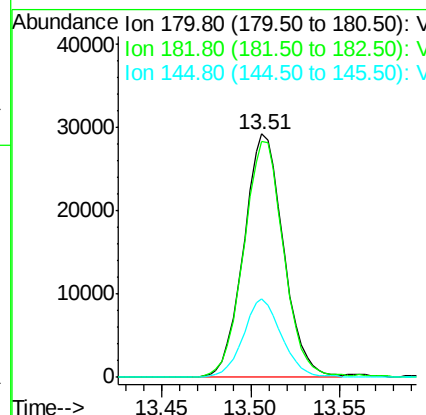
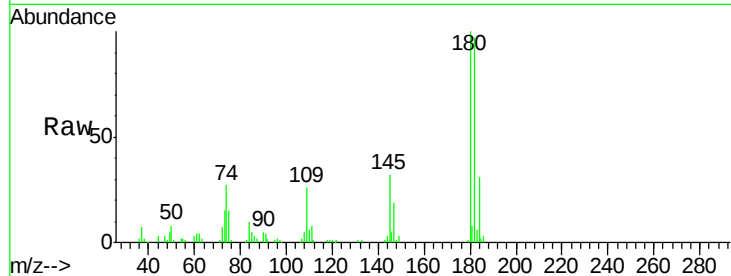




#93
 1,2,4-Trichlorobenzene
 Concen: 16.277 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

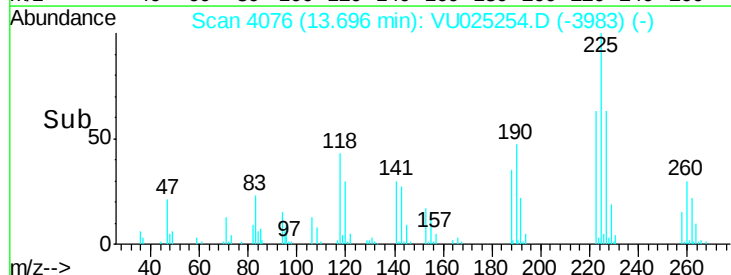
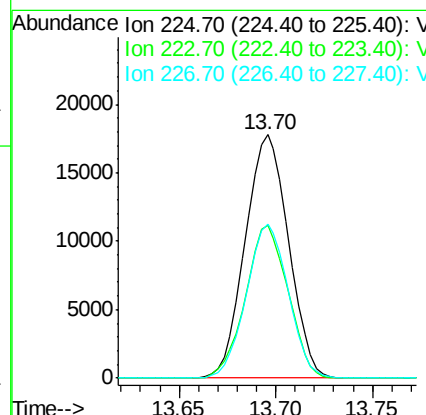
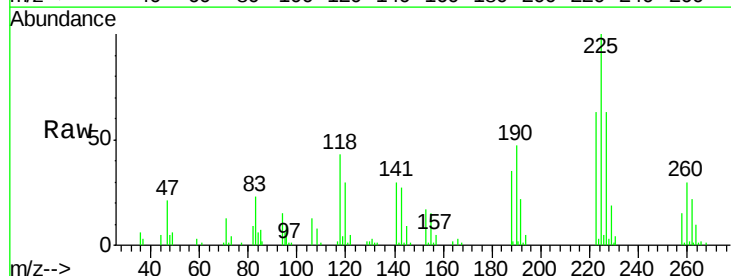
Instrument :
 MSVOA_U
 ClientSampleId :

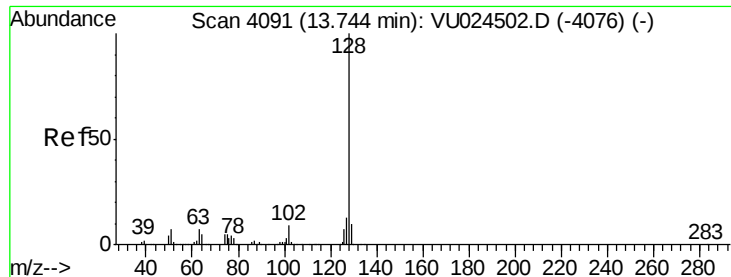
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.0	144.2
145	31.1	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 17.624 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025254.D
 Acq: 06 Jul 2018 20:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.3	93.8
227	61.1	31.8	95.4





#95

Naphthalene

Concen: 17.261 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

Instrument :

MSVOA_U

ClientSampleId :

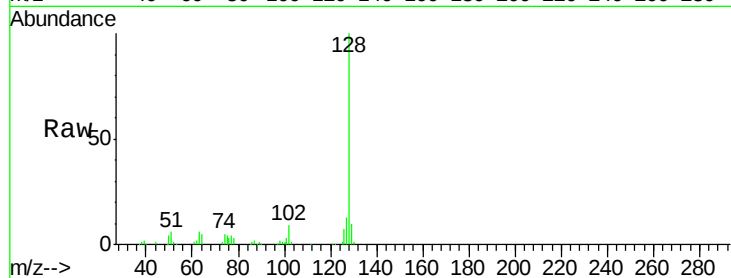
Tot Ion:128 Resp: 155843

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

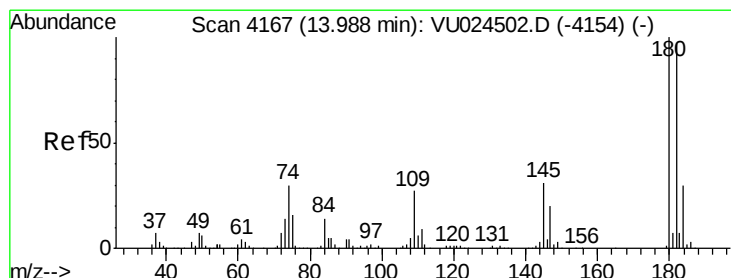
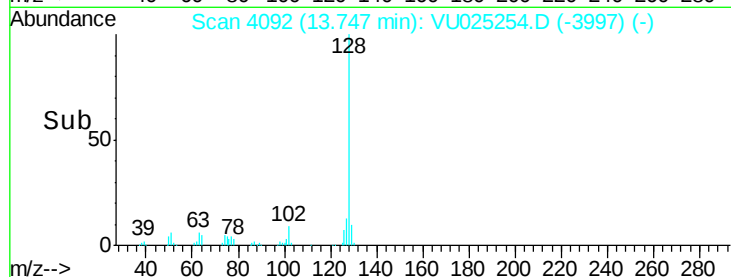
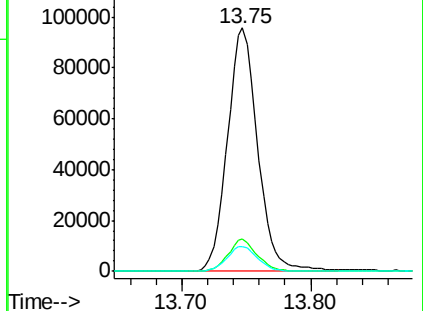
129 10.5 8.6 12.8



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: 18.196 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025254.D

Acq: 06 Jul 2018 20:54

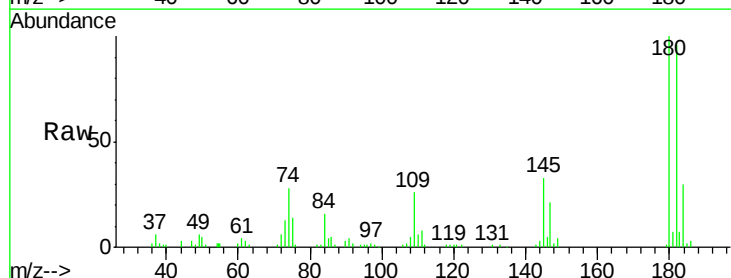
Tgt Ion:180 Resp: 50774

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.7

145 32.6 15.4 46.1



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

