

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024955.D
 Acq On : 27 Jun 2018 10:11
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 28 02:22:30 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	213801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175300	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147573	42.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.56%	
35) Dibromofluoromethane	4.89	113	122669	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	7.57	98	417757	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
62) 4-Bromofluorobenzene	10.31	95	168898	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	111113	41.520	ug/l	99
3) Chloromethane	1.33	50	111875	40.919	ug/l	99
4) Vinyl Chloride	1.40	62	124246	44.065	ug/l	98
5) Bromomethane	1.63	94	65297	47.906	ug/l	97
6) Chloroethane	1.70	64	78781	50.002	ug/l	99
7) Trichlorofluoromethane	1.89	101	205588	47.778	ug/l	100
8) Diethyl Ether	2.10	74	76619	52.414	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	128698	48.210	ug/l	98
10) Methyl Iodide	2.41	142	126461	55.344	ug/l	99
11) Tert butyl alcohol	2.83	59	171306	201.802	ug/l	99
12) 1,1-Dichloroethene	2.28	96	115326	47.373	ug/l	96
13) Acrolein	2.20	56	86266	193.521	ug/l	97
14) Allyl chloride	2.60	41	222092	49.134	ug/l	92
15) Acrylonitrile	2.94	53	361119	218.648	ug/l	99
16) Acetone	2.33	43	563511	300.482	ug/l	99
17) Carbon Disulfide	2.48	76	329418	42.259	ug/l	99
18) Methyl Acetate	2.62	43	201147	50.032	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	444573	48.582	ug/l	97
20) Methylene Chloride	2.70	84	134362	45.661	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	126261	47.090	ug/l	97
22) Diisopropyl ether	3.57	45	421394	47.028	ug/l	96
23) Vinyl Acetate	3.53	43	1800190	224.276	ug/l	98
24) 1,1-Dichloroethane	3.45	63	246006	47.725	ug/l	99
25) 2-Butanone	4.26	43	633424	251.455	ug/l	96
26) 2,2-Dichloropropane	4.23	77	237961	48.617	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	148080	48.038	ug/l	99
28) Bromochloromethane	4.55	49	98073	43.195	ug/l	83
29) Tetrahydrofuran	4.64	42	330305	211.740	ug/l	95
30) Chloroform	4.68	83	253620	48.611	ug/l	98
31) Cyclohexane	5.00	56	228802	49.983	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	236911	49.104	ug/l	96
36) 1,1-Dichloropropene	5.14	75	188460	52.063	ug/l	97
37) Ethyl Acetate	4.38	43	197663	50.100	ug/l	97
38) Carbon Tetrachloride	5.14	117	214236	53.820	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	242937	53.780	ug/l	95
40) Benzene	5.39	78	535712	51.938	ug/l	100
41) Methacrylonitrile	4.54	41	109845	51.639	ug/l	98
42) 1,2-Dichloroethane	5.41	62	215414	54.835	ug/l	99
43) Isopropyl Acetate	5.55	43	319474	46.846	ug/l	98
44) Trichloroethene	6.19	130	153772	52.384	ug/l	93
45) 1,2-Dichloropropane	6.44	63	143364	52.091	ug/l	97
46) Dibromomethane	6.56	93	101074	52.285	ug/l	93
47) Bromodichloromethane	6.76	83	198353	51.528	ug/l	99
48) Methyl methacrylate	6.62	41	166220	50.054	ug/l	99
49) 1,4-Dioxane	6.63	88	74536	1147.726	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	997547	232.827	ug/l	97
52) Toluene	7.64	92	349051	52.600	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	221637	51.270	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	231432	50.242	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	140385	52.043	ug/l	97
56) Ethyl methacrylate	8.02	69	223515	49.507	ug/l	98
57) 1,3-Dichloropropane	8.25	76	236984	52.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	56745	32.807	ug/l	94
59) 2-Hexanone	8.36	43	872009	249.296	ug/l	98
60) Dibromochloromethane	8.48	129	163272	48.539	ug/l	99
61) 1,2-Dibromoethane	8.59	107	155437	51.772	ug/l	100
64) Tetrachloroethene	8.23	164	142876	52.391	ug/l	98
65) Chlorobenzene	9.12	112	395976	54.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	149136	53.558	ug/l	97
67) Ethyl Benzene	9.25	91	692993	53.934	ug/l	98
68) m/p-Xylenes	9.38	106	536596	108.756	ug/l	98
69) o-Xylene	9.78	106	261254	53.503	ug/l	97
70) Styrene	9.80	104	423592	52.788	ug/l	99
71) Bromoform	9.96	173	130398	49.268	ug/l #	99
73) Isopropylbenzene	10.17	105	714000	53.051	ug/l	99
74) N-amyl acetate	10.01	43	292708	45.724	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	220970	48.995	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	267324	69.264	ug/l	81
77) Bromobenzene	10.45	156	182636	53.602	ug/l	94
78) n-propylbenzene	10.59	91	819972	51.719	ug/l	96
79) 2-Chlorotoluene	10.66	91	481597	51.510	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	619388	53.096	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	267324	160.307	ug/l #	100
82) 4-Chlorotoluene	10.78	91	563607	51.793	ug/l	100
83) tert-Butylbenzene	11.10	119	607887	54.173	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	627344	52.771	ug/l	100
85) sec-Butylbenzene	11.33	105	741230	52.772	ug/l	98
86) p-Isopropyltoluene	11.48	119	670930	53.334	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	333999	53.058	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	336404	53.095	ug/l	99
89) n-Butylbenzene	11.89	91	573189	51.322	ug/l	98
90) Hexachloroethane	12.15	117	117531	47.893	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	337118	53.467	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58445	46.964	ug/l	92

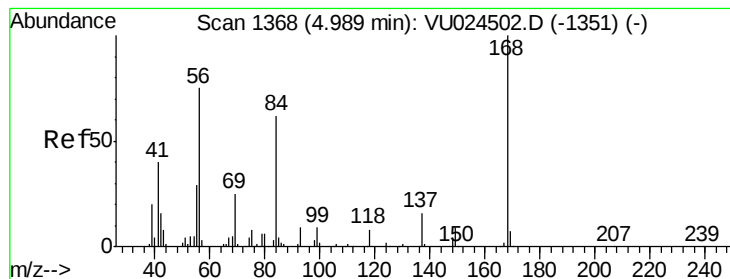
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	234483	60.223	ug/l	99
94) Hexachlorobutadiene	13.70	225	124150	56.650	ug/l	99
95) Naphthalene	13.74	128	731776	56.680	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	241498	62.246	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

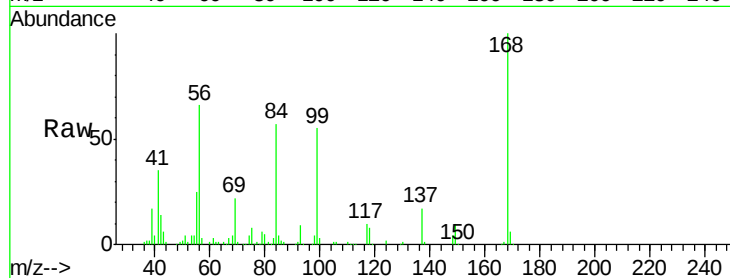
VSTDCCC050

Tgt Ion:168 Resp: 213801

Ion Ratio Lower Upper

168 100

99 55.0 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

100000

80000

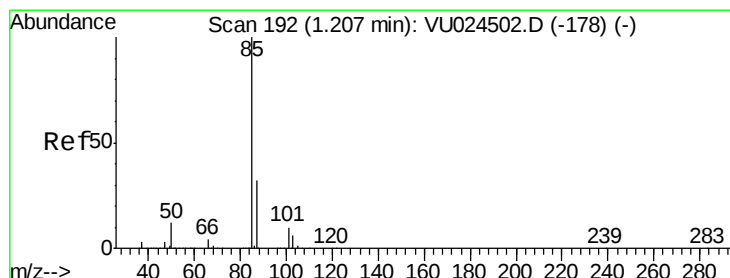
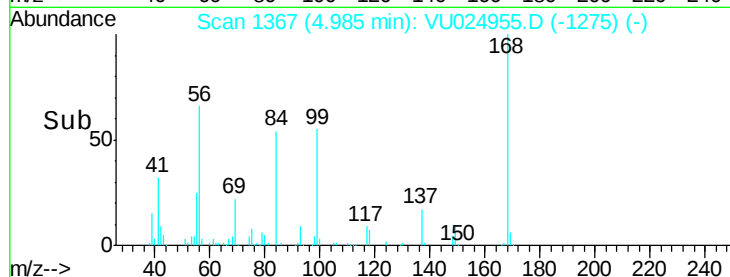
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.520 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024955.D

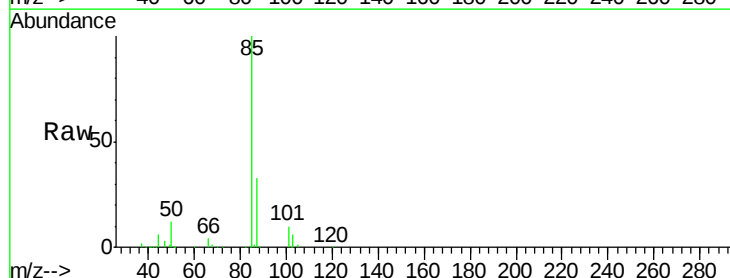
Acq: 27 Jun 2018 10:11

Tgt Ion: 85 Resp: 111113

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



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

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

1.21

120000

100000

80000

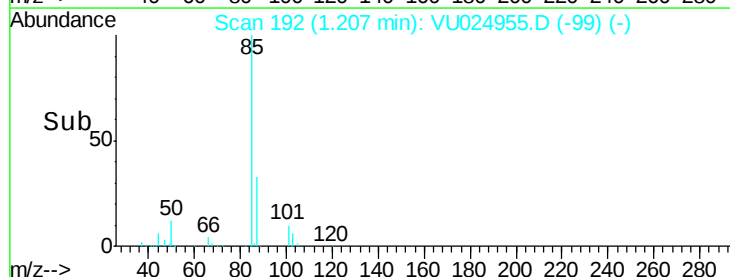
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 40.919 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

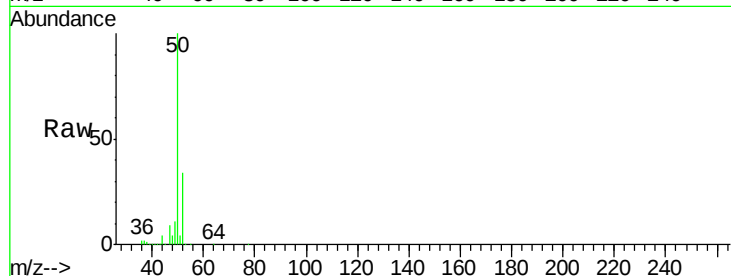
VSTDCCC050

Tgt Ion: 50 Resp: 111875

Ion Ratio Lower Upper

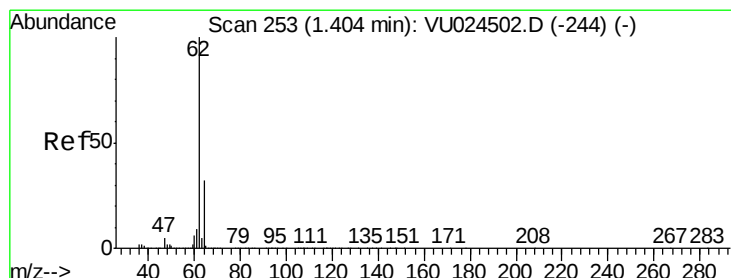
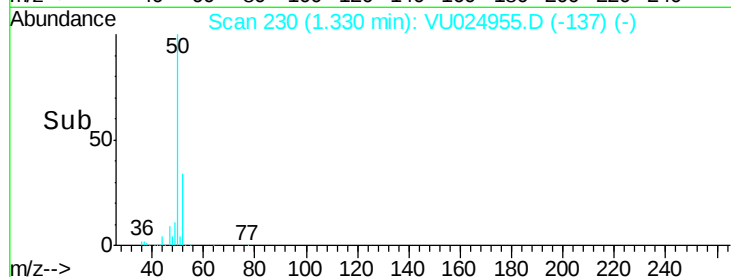
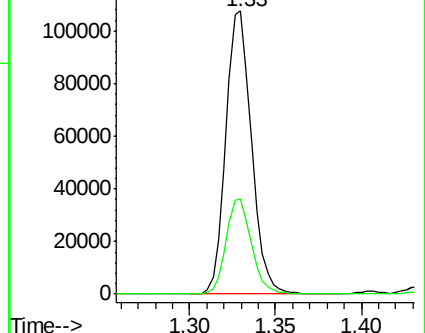
50 100

52 33.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024955.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024955.D (-137) (-)



#4

Vinyl Chloride

Concen: 44.065 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024955.D

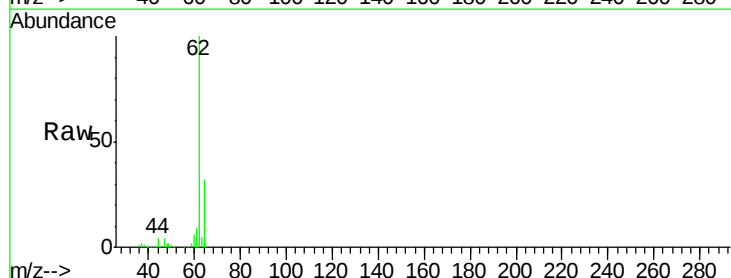
Acq: 27 Jun 2018 10:11

Tgt Ion: 62 Resp: 124246

Ion Ratio Lower Upper

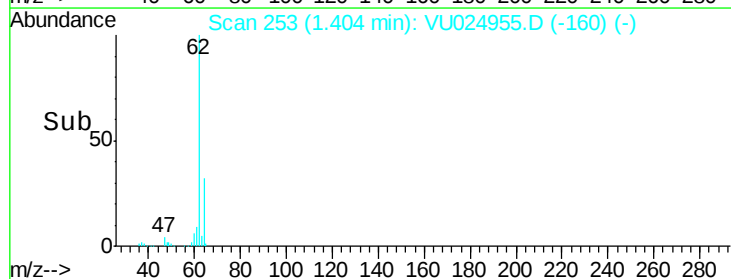
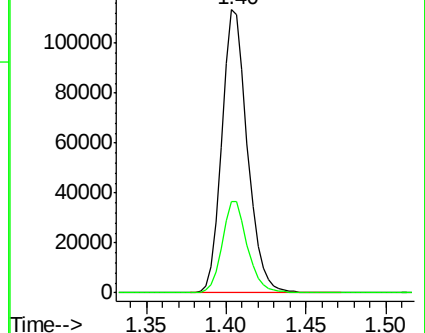
62 100

64 32.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024955.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU024955.D (-160) (-)





#5

Bromomethane

Concen: 47.906 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

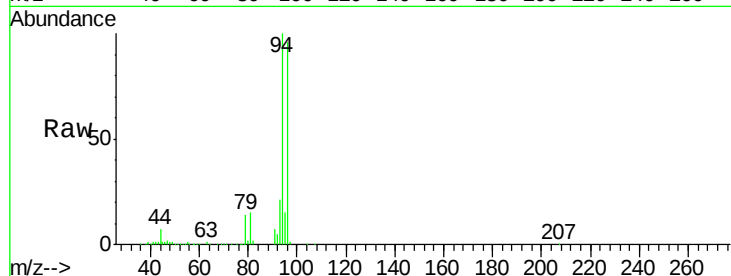
VSTDCCC050

Tgt Ion: 94 Resp: 65297

Ion Ratio Lower Upper

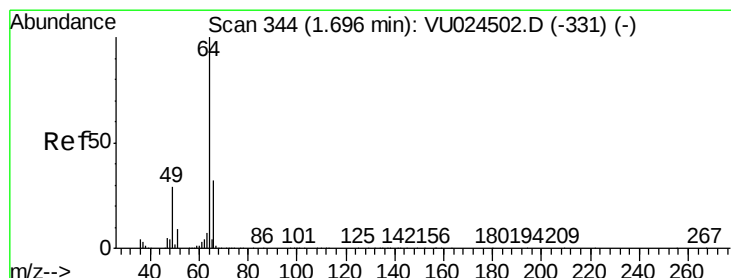
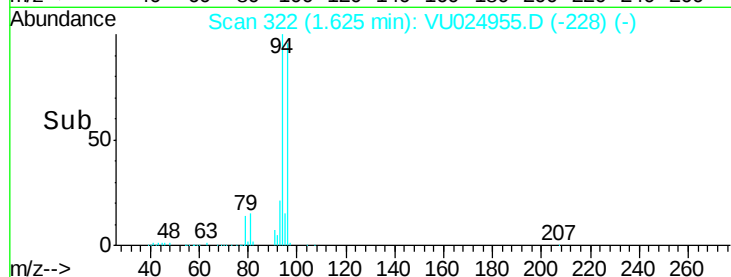
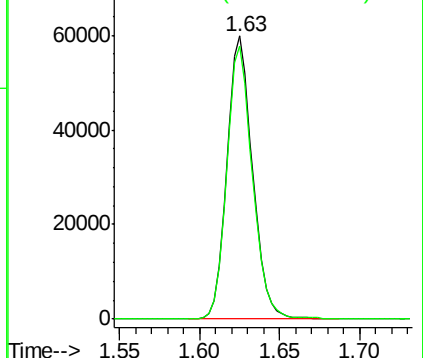
94 100

96 96.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.002 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024955.D

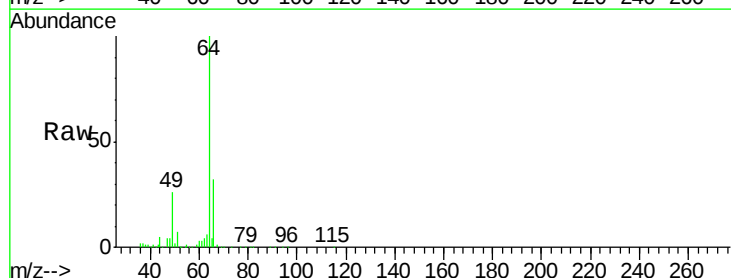
Acq: 27 Jun 2018 10:11

Tgt Ion: 64 Resp: 78781

Ion Ratio Lower Upper

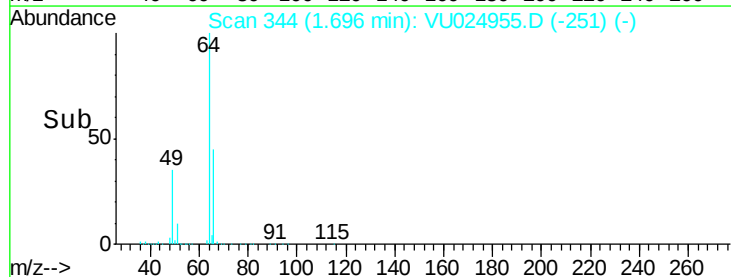
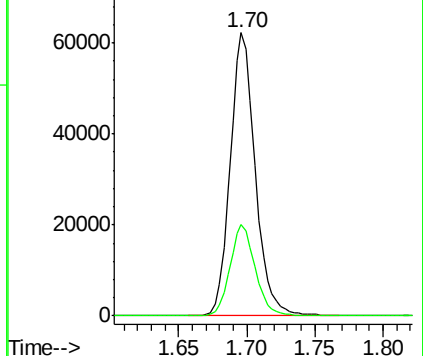
64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



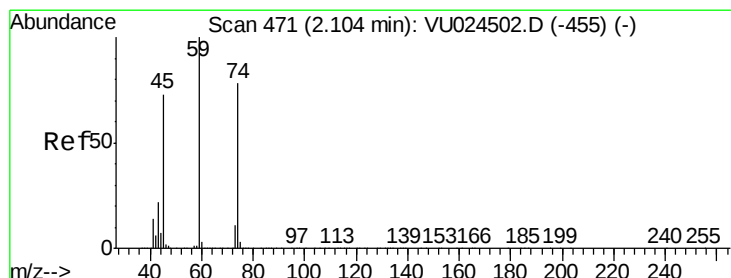
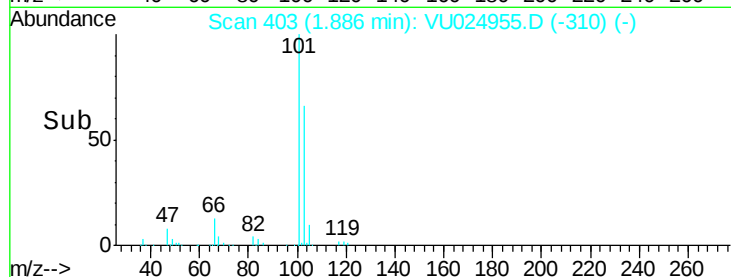
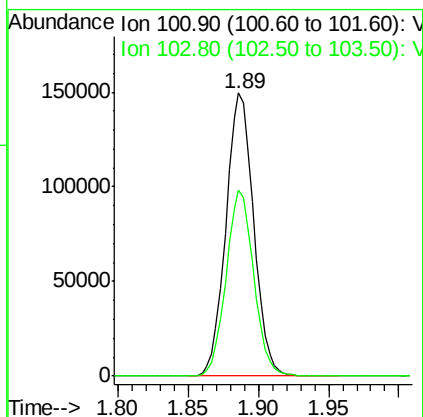
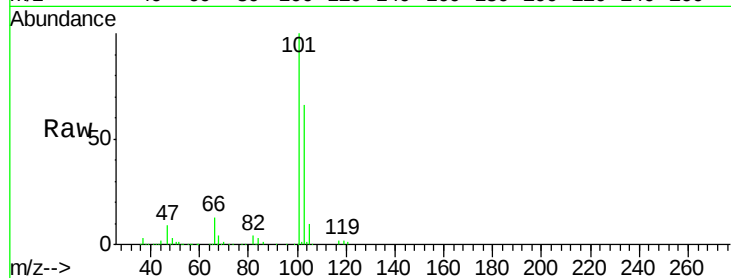


#7

Trichlorofluoromethane
 Concen: 47.778 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
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 ClientSampleId :
 VSTDCCC050

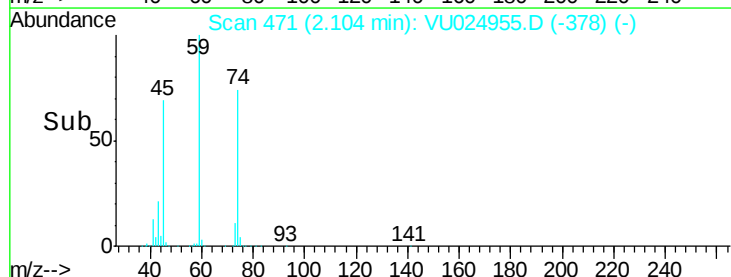
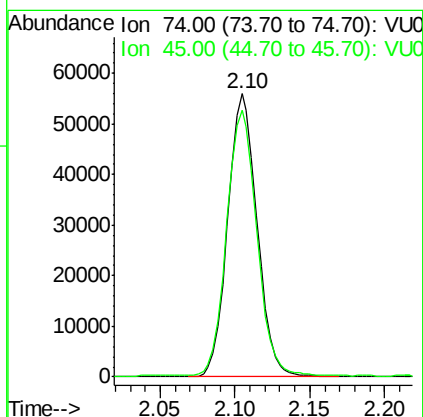
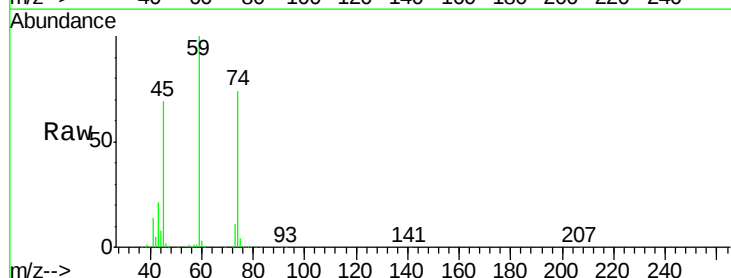
Tgt Ion:101 Resp: 205588
 Ion Ratio Lower Upper
 101 100
 103 65.6 52.3 78.5



#8

Diethyl Ether
 Concen: 52.414 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 74 Resp: 76619
 Ion Ratio Lower Upper
 74 100
 45 95.9 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.210 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

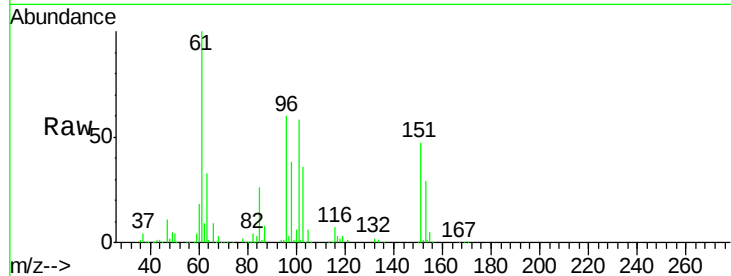
Tgt Ion:101 Resp: 128698

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

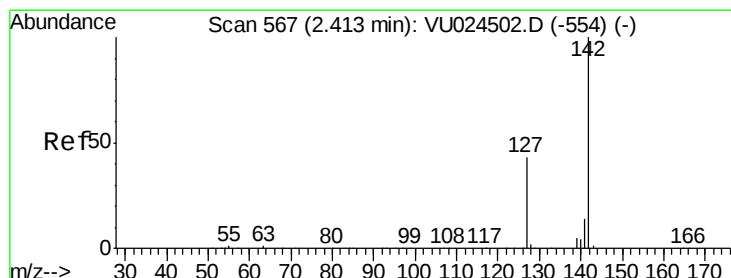
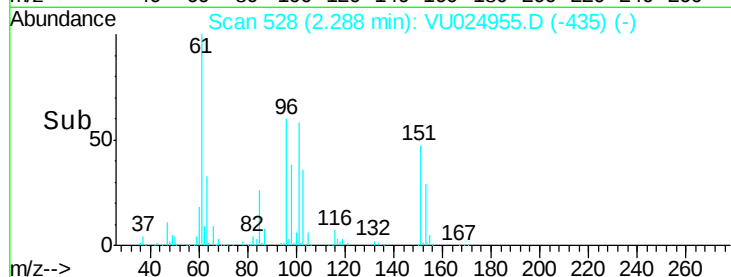
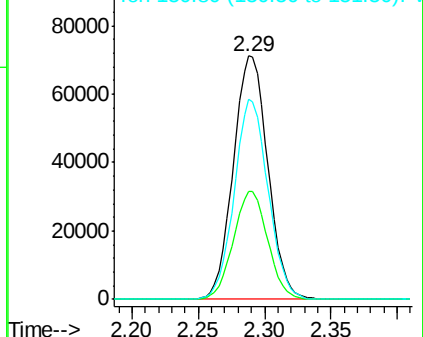
151 80.6 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.344 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

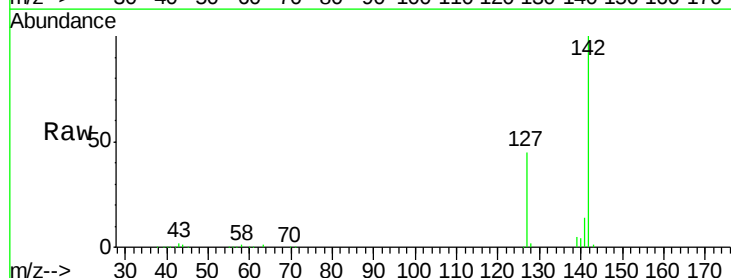
Tgt Ion:142 Resp: 126461

Ion Ratio Lower Upper

142 100

127 45.1 35.6 53.4

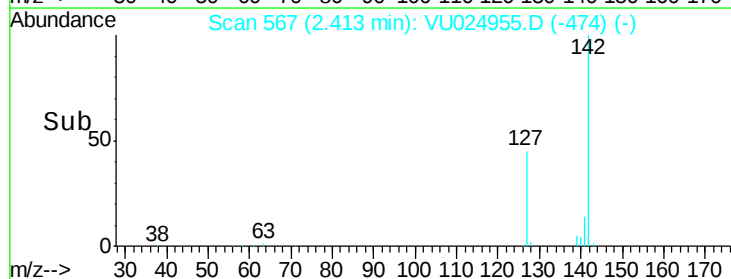
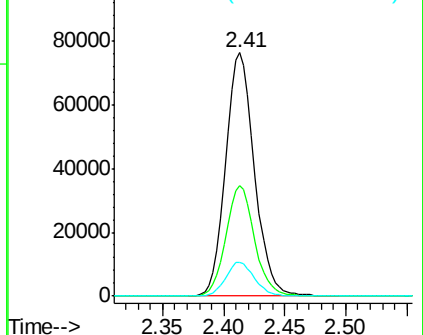
141 14.0 11.7 17.5

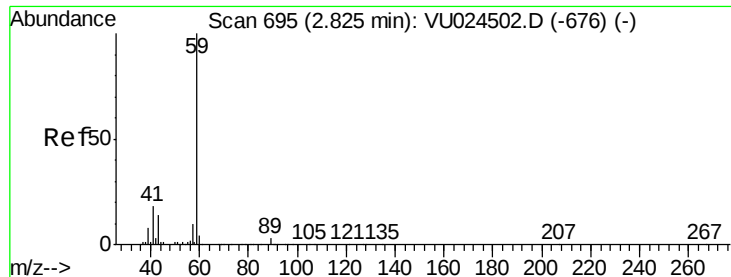


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

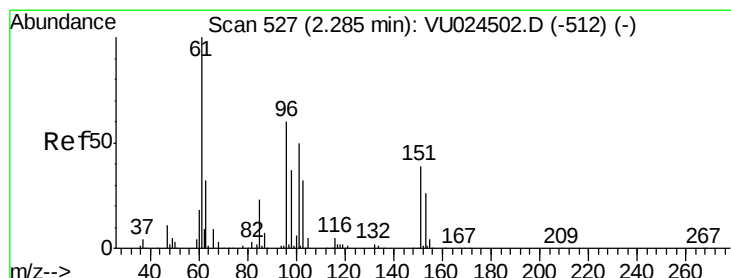
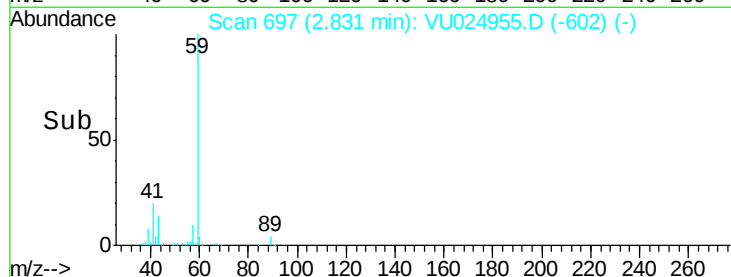
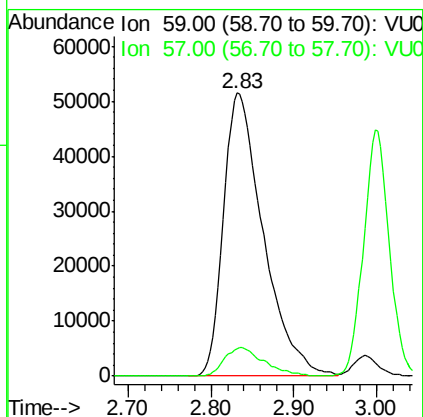
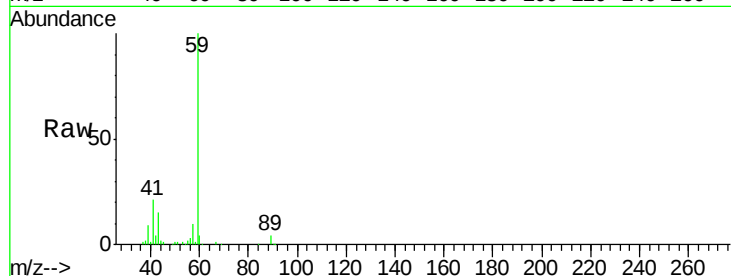




#11
Tert butyl alcohol
Concen: 201.802 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

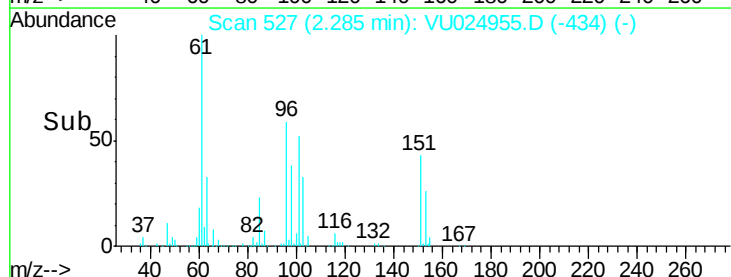
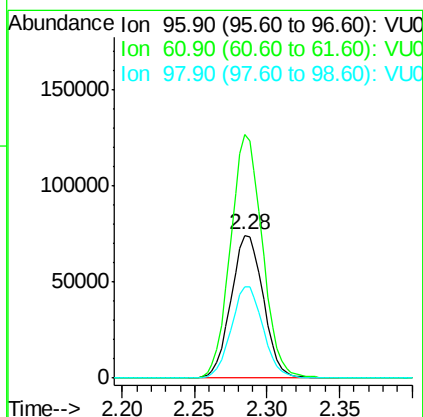
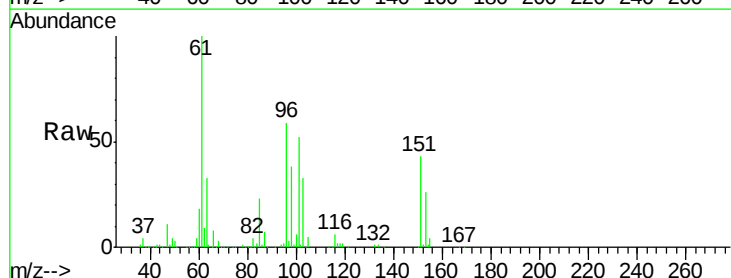
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

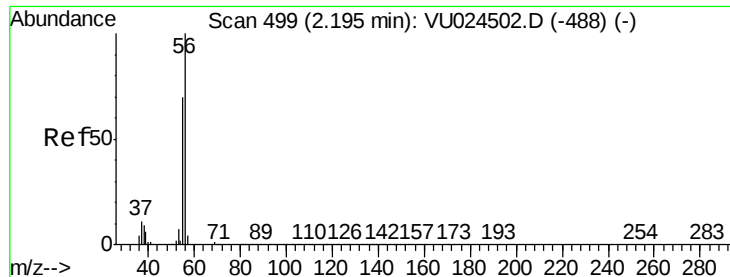
Tgt Ion: 59 Resp: 171306
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7



#12
1,1-Dichloroethene
Concen: 47.373 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 96 Resp: 115326
Ion Ratio Lower Upper
96 100
61 170.4 141.7 212.5
98 64.0 51.6 77.4





#13

Acrolein

Concen: 193.521 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

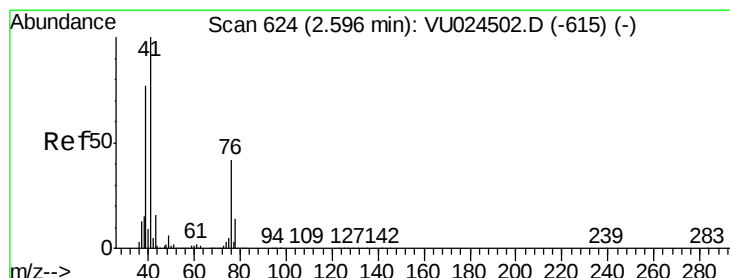
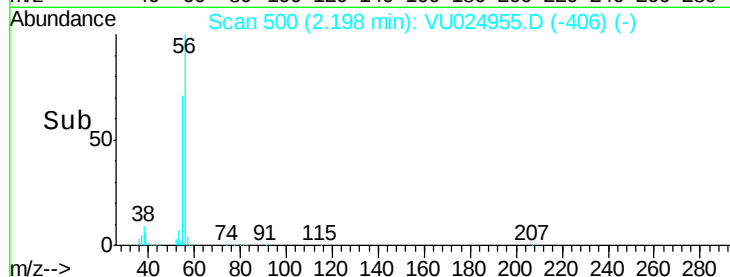
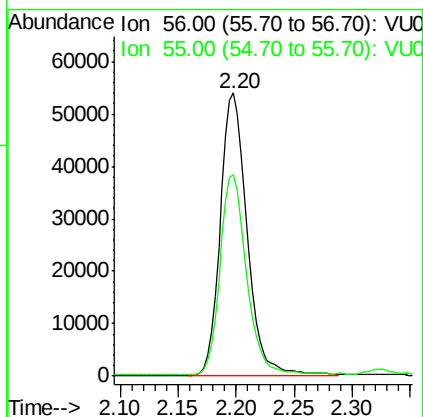
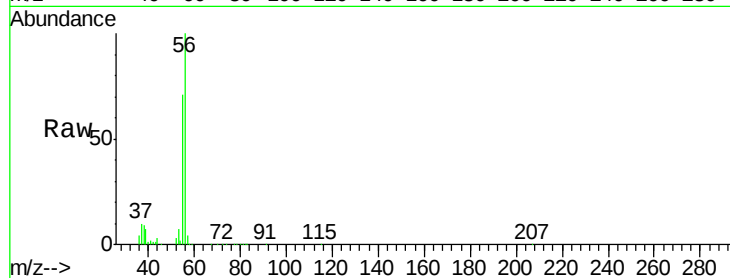
VSTDCCC050

Tgt Ion: 56 Resp: 86266

Ion Ratio Lower Upper

56 100

55 70.6 58.4 87.6



#14

Allyl chloride

Concen: 49.134 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

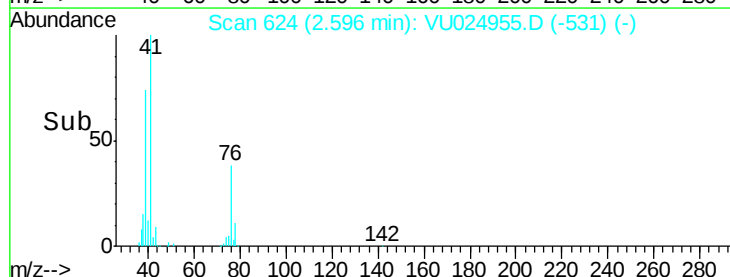
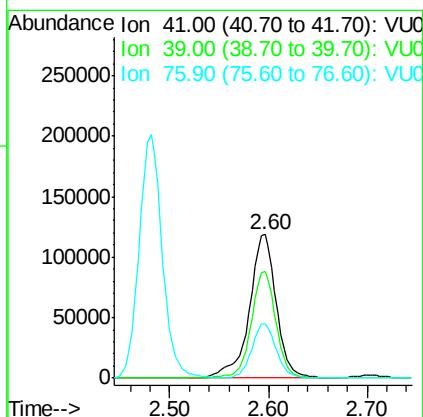
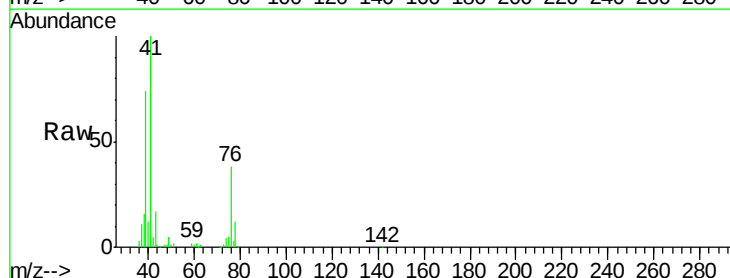
Tgt Ion: 41 Resp: 222092

Ion Ratio Lower Upper

41 100

39 68.3 61.6 92.4

76 34.7 29.7 44.5





#15

Acrylonitrile

Concen: 218.648 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

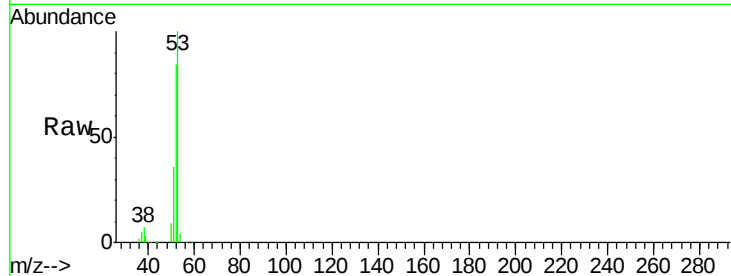
Tgt Ion: 53 Resp: 361119

Ion Ratio Lower Upper

53 100

52 84.0 67.1 100.7

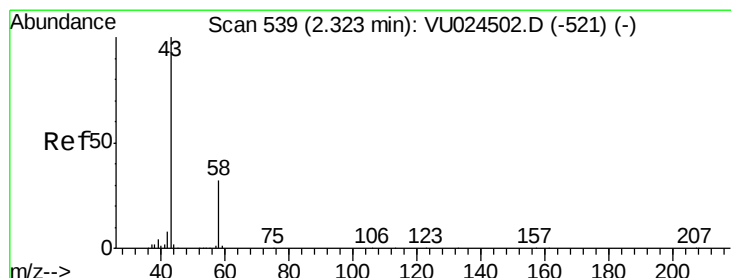
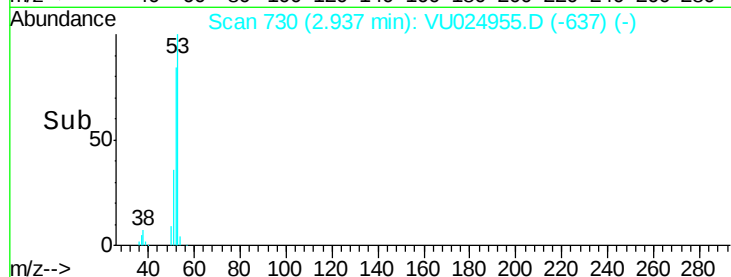
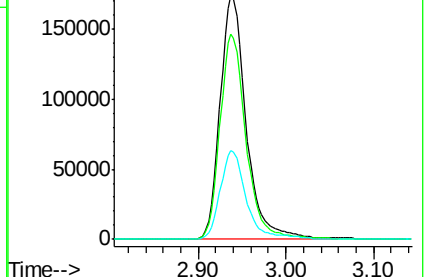
51 36.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024955.D (-637) (-)

Ion 52.00 (51.70 to 52.70): VU024955.D (-637) (-)

Ion 51.00 (50.70 to 51.70): VU024955.D (-637) (-)



#16

Acetone

Concen: 300.482 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024955.D

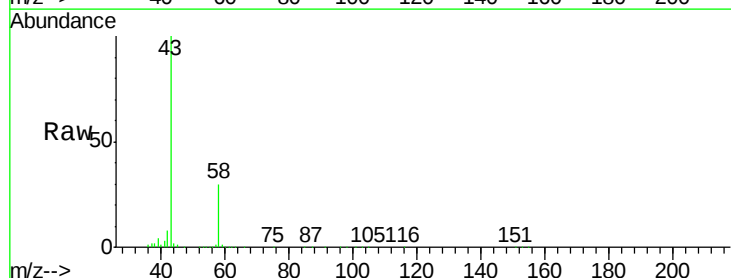
Acq: 27 Jun 2018 10:11

Tgt Ion: 43 Resp: 563511

Ion Ratio Lower Upper

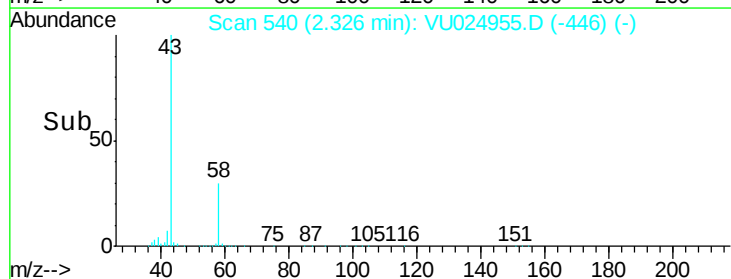
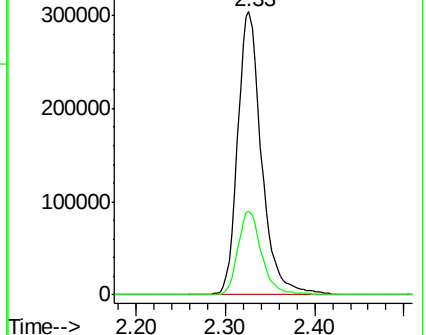
43 100

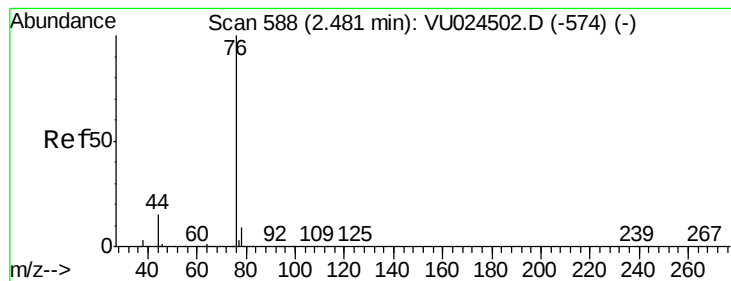
58 29.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024955.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024955.D (-446) (-)





#17

Carbon Disulfide

Concen: 42.259 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

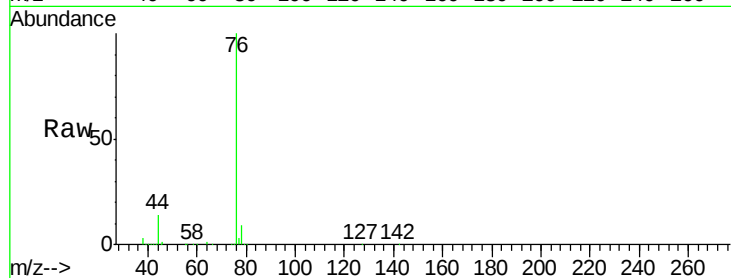
VSTDCCC050

Tgt Ion: 76 Resp: 329418

Ion Ratio Lower Upper

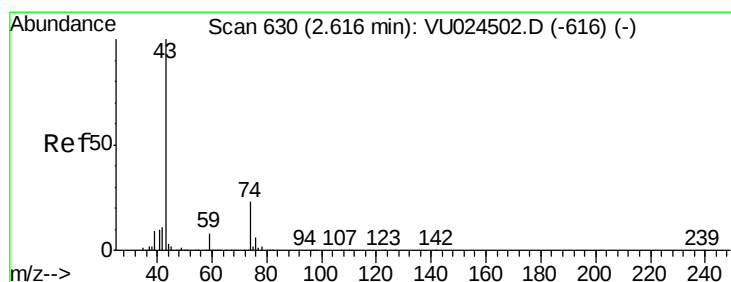
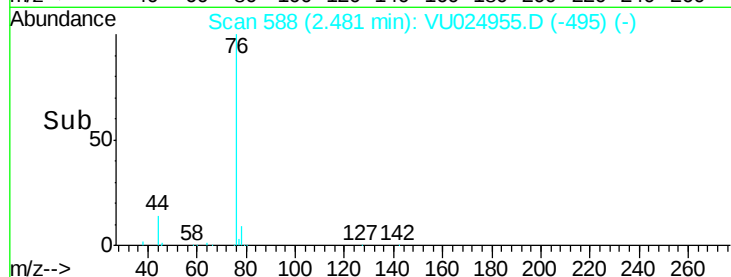
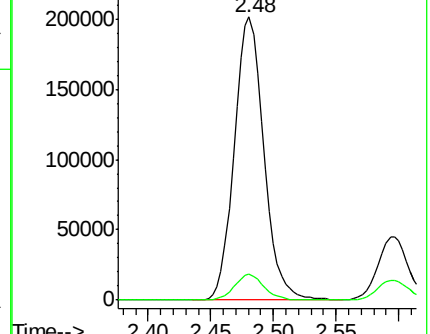
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 50.032 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024955.D

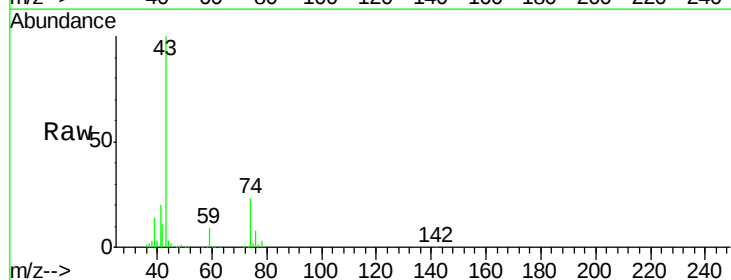
Acq: 27 Jun 2018 10:11

Tgt Ion: 43 Resp: 201147

Ion Ratio Lower Upper

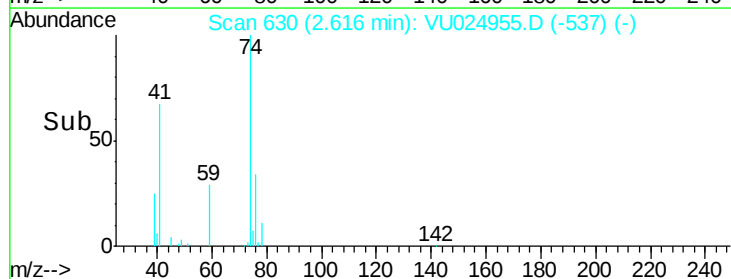
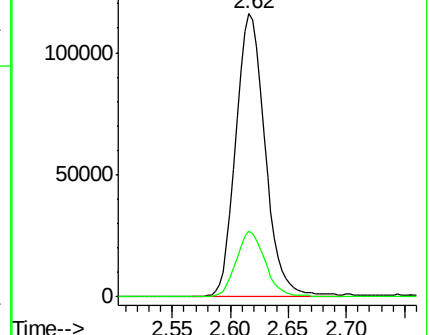
43 100

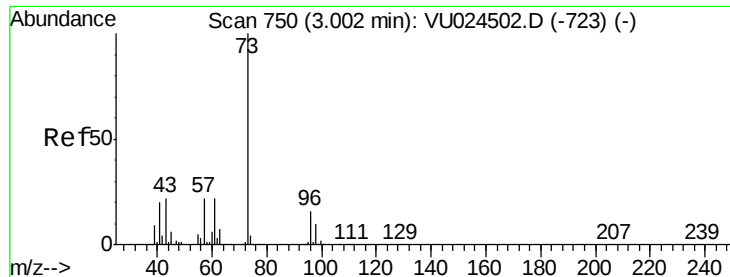
74 23.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

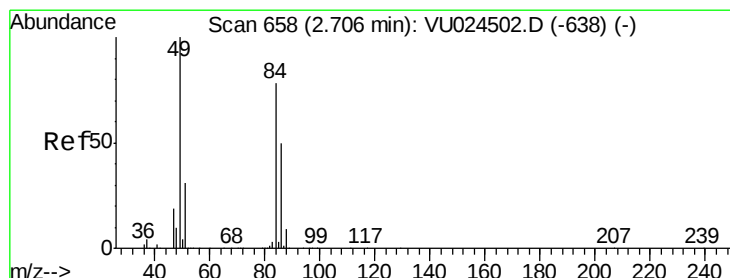
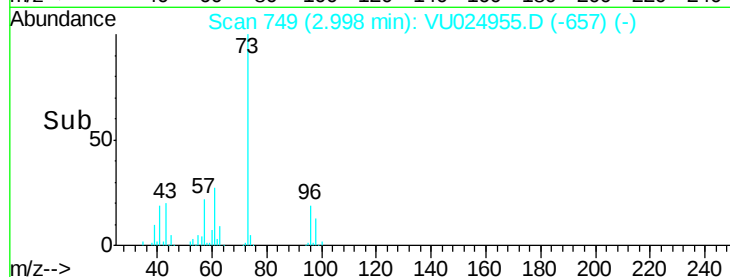
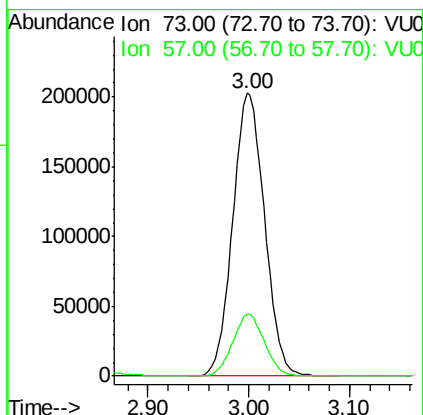
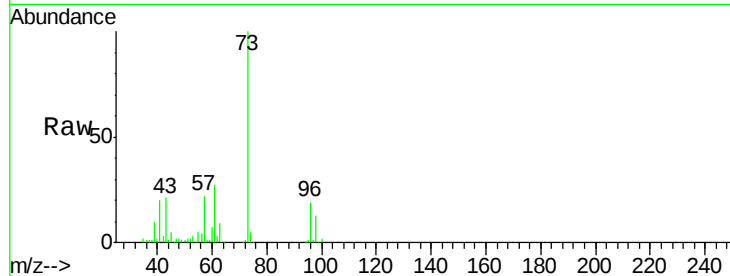




#19
Methyl tert-butyl Ether
Concen: 48.582 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

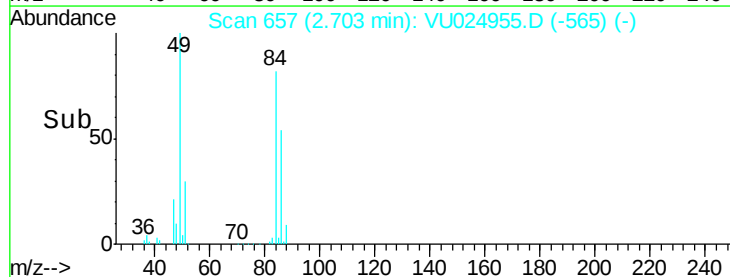
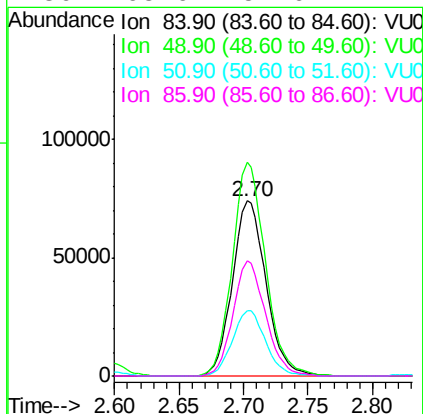
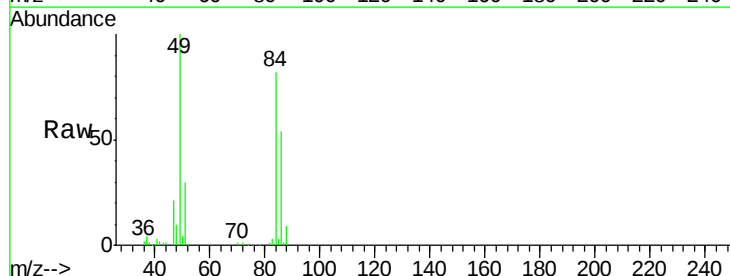
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

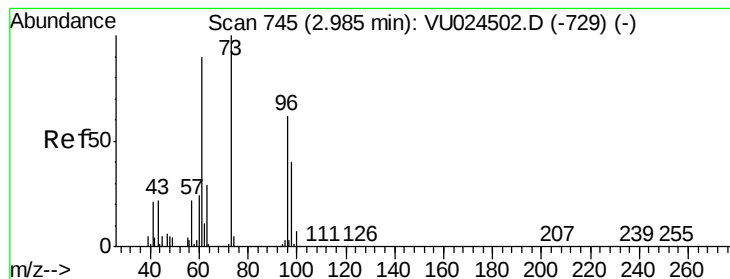
Tgt Ion: 73 Resp: 444573
Ion Ratio Lower Upper
73 100
57 22.1 18.8 28.2



#20
Methylene Chloride
Concen: 45.661 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 84 Resp: 134362
Ion Ratio Lower Upper
84 100
49 122.0 103.8 155.8
51 37.1 32.0 48.0
86 65.6 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.090 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

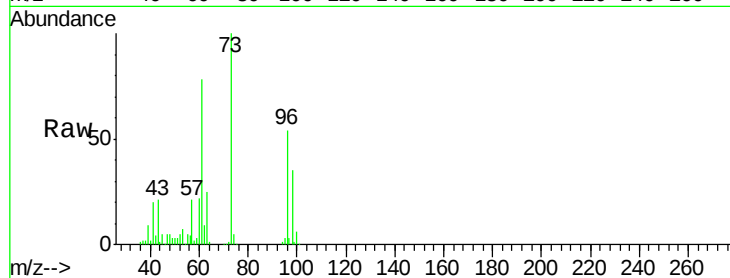
Tgt Ion: 96 Resp: 126261

Ion Ratio Lower Upper

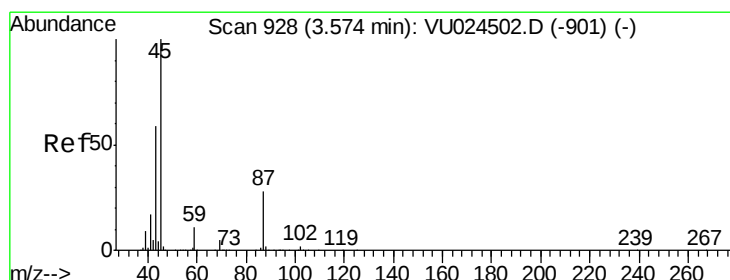
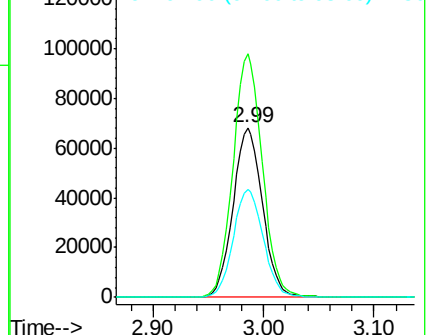
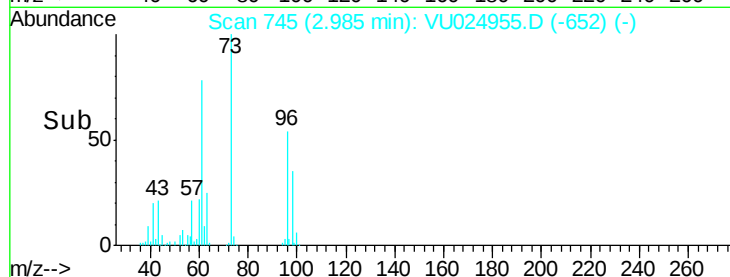
96 100

61 143.7 119.4 179.0

98 63.8 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024955.D (-652) (-)



#22

Diisopropyl ether

Concen: 47.028 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion: 45 Resp: 421394

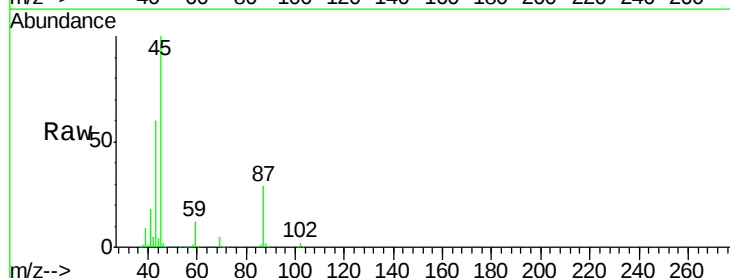
Ion Ratio Lower Upper

45 100

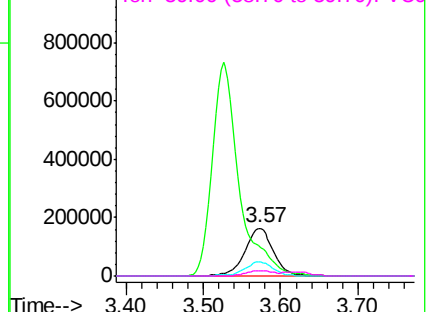
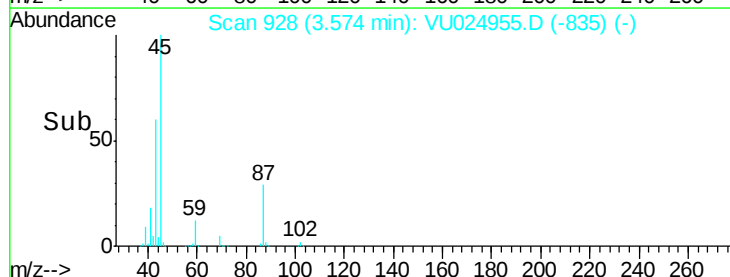
43 59.3 45.8 68.6

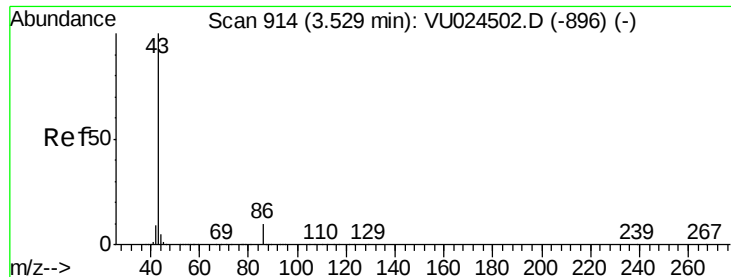
87 29.2 20.6 31.0

59 11.9 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024955.D (-835) (-)





#23

Vinyl Acetate

Concen: 224.276 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

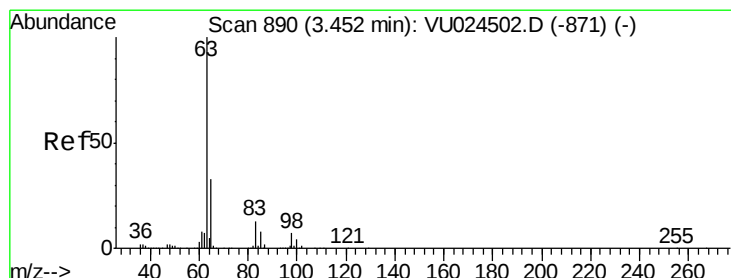
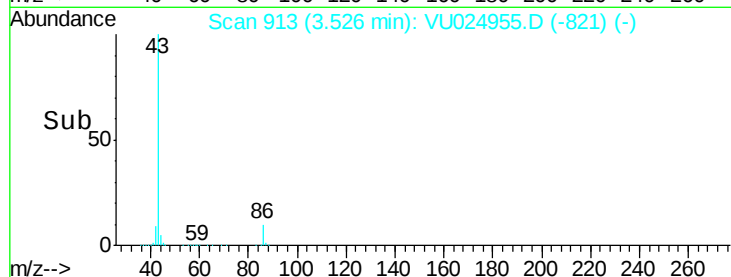
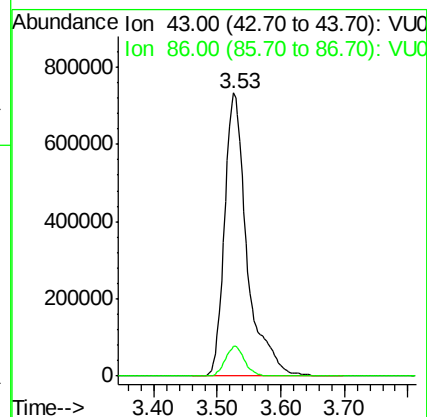
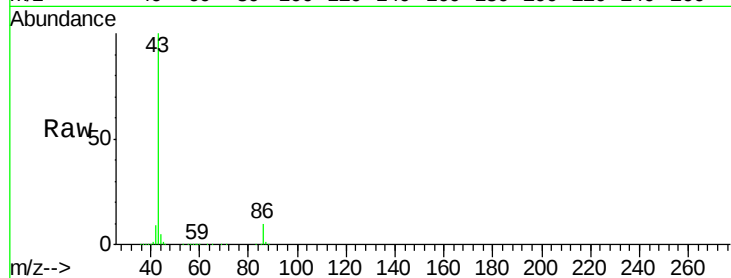
VSTDCCC050

Tgt Ion: 43 Resp: 1800190

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



#24

1,1-Dichloroethane

Concen: 47.725 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

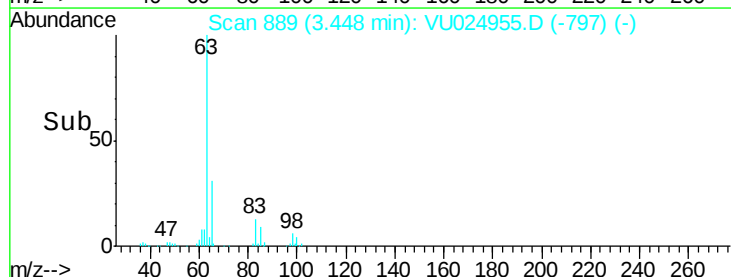
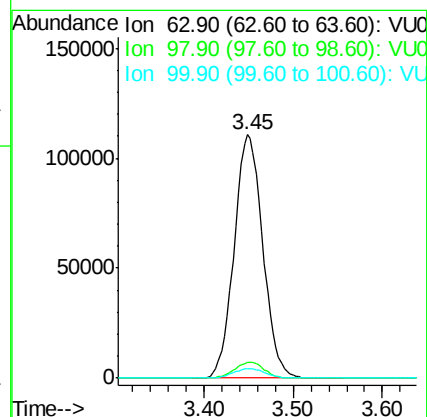
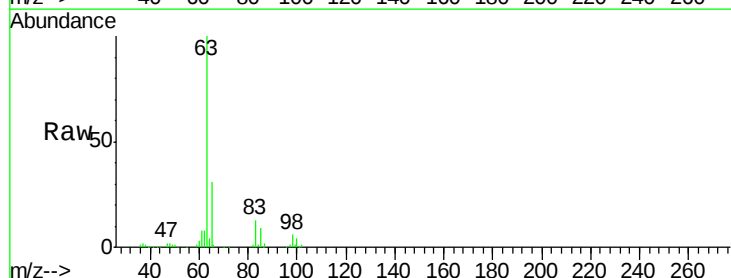
Tgt Ion: 63 Resp: 246006

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 251.455 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

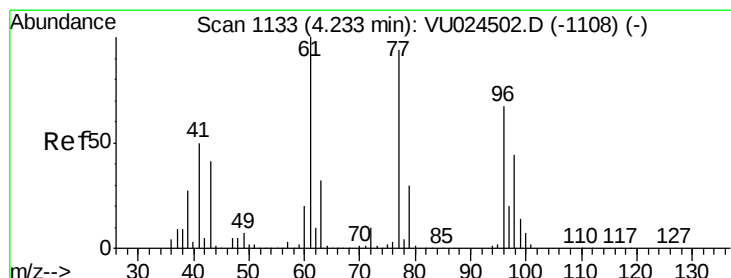
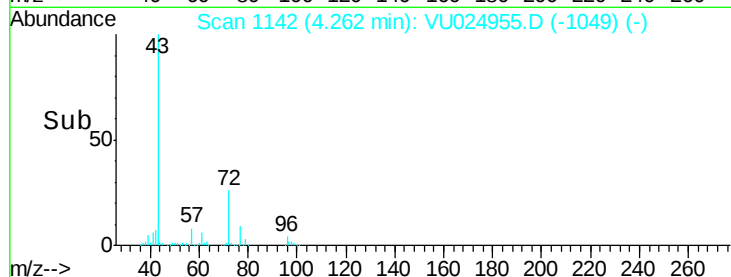
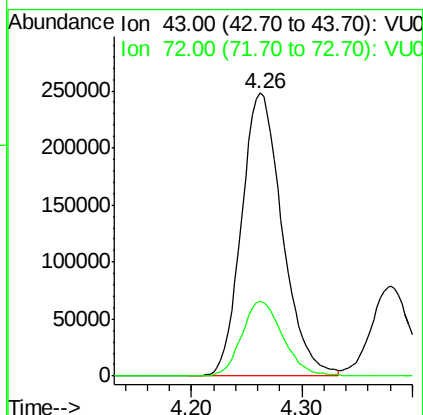
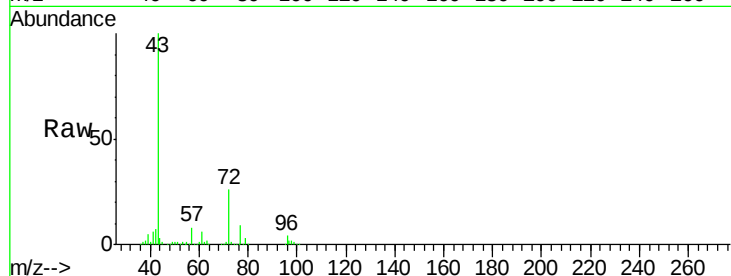
VSTDCCC050

Tgt Ion: 43 Resp: 633424

Ion Ratio Lower Upper

43 100

72 26.3 19.6 29.4



#26

2,2-Dichloropropane

Concen: 48.617 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024955.D

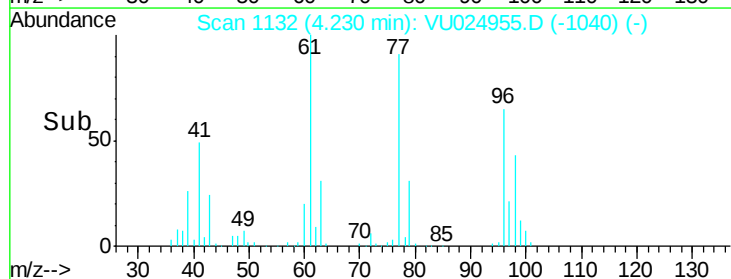
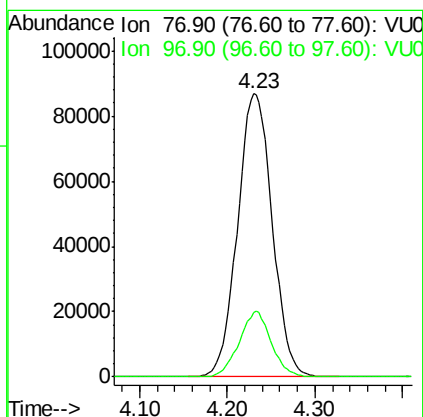
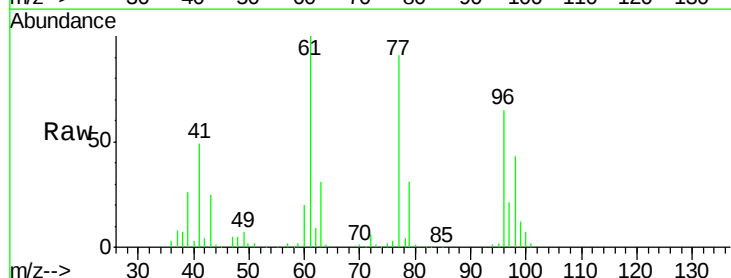
Acq: 27 Jun 2018 10:11

Tgt Ion: 77 Resp: 237961

Ion Ratio Lower Upper

77 100

97 21.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.038 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

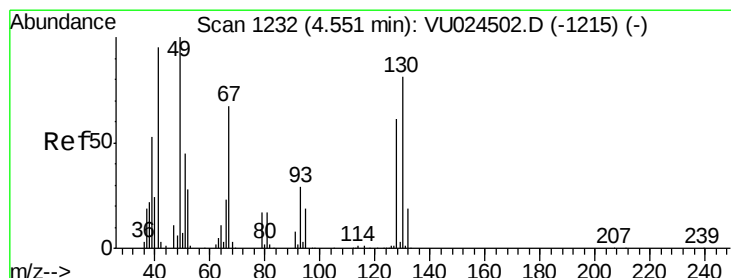
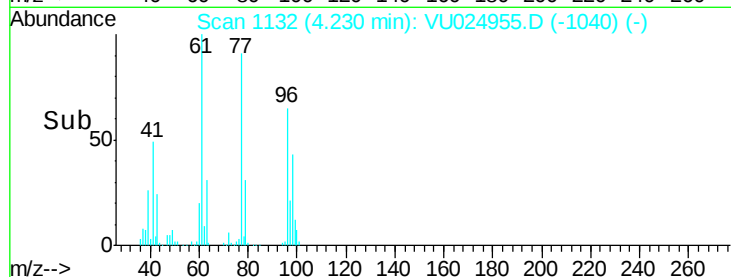
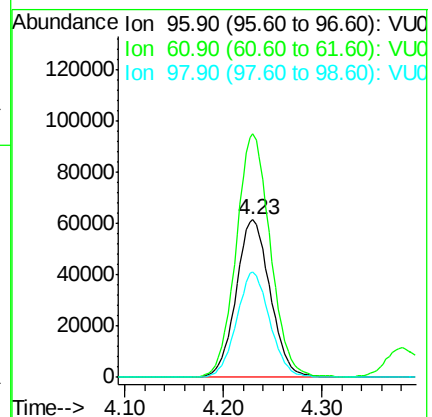
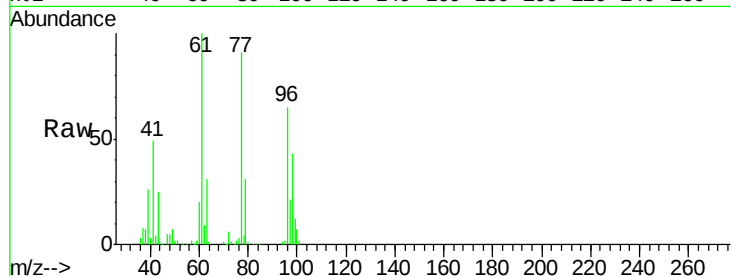
Tgt Ion: 96 Resp: 148080

Ion Ratio Lower Upper

96 100

61 154.8 0.0 306.6

98 65.3 0.0 128.8



#28

Bromochloromethane

Concen: 43.195 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

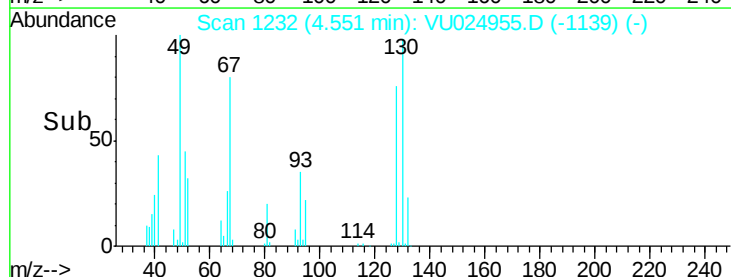
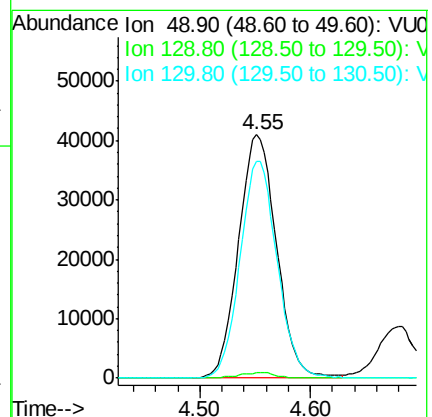
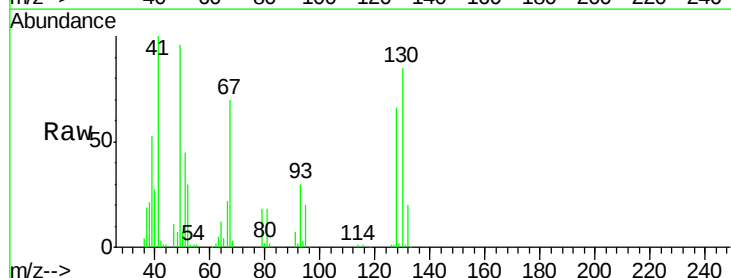
Tgt Ion: 49 Resp: 98073

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 86.6 57.8 86.6





#29

Tetrahydrofuran

Concen: 211.740 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

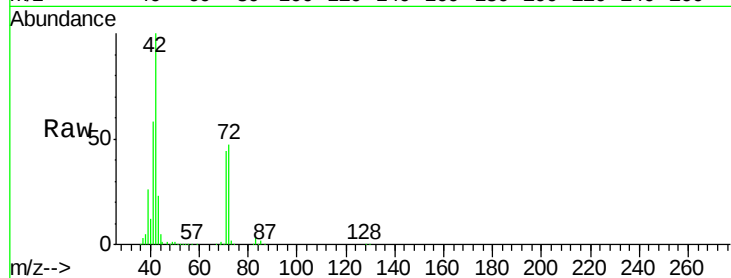
Tgt Ion: 42 Resp: 330305

Ion Ratio Lower Upper

42 100

72 46.2 34.5 51.7

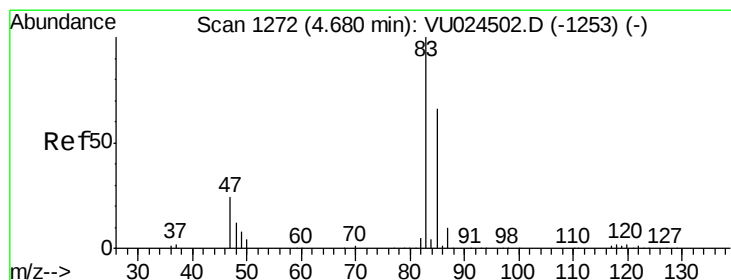
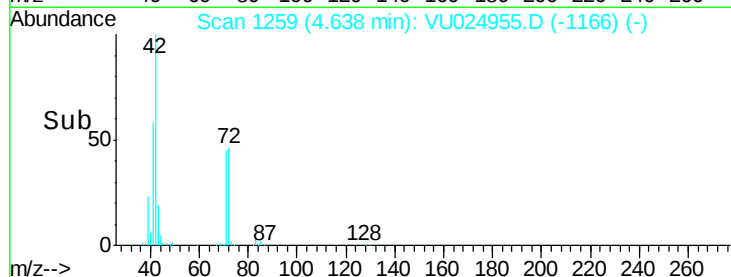
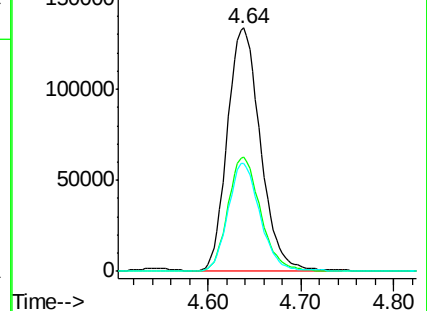
71 43.1 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU024502.D (-1241) (-)

Ion 72.00 (71.70 to 72.70): VU024502.D (-1241) (-)

Ion 71.00 (70.70 to 71.70): VU024502.D (-1241) (-)



#30

Chloroform

Concen: 48.611 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024955.D

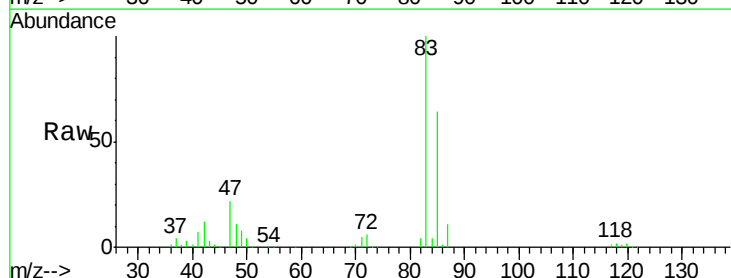
Acq: 27 Jun 2018 10:11

Tgt Ion: 83 Resp: 253620

Ion Ratio Lower Upper

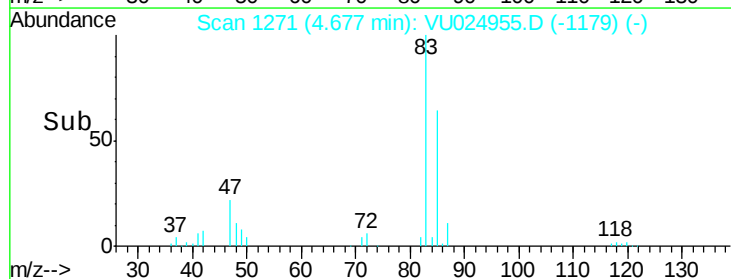
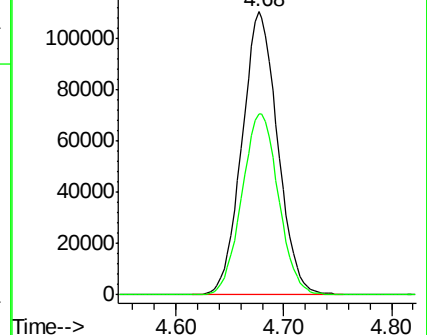
83 100

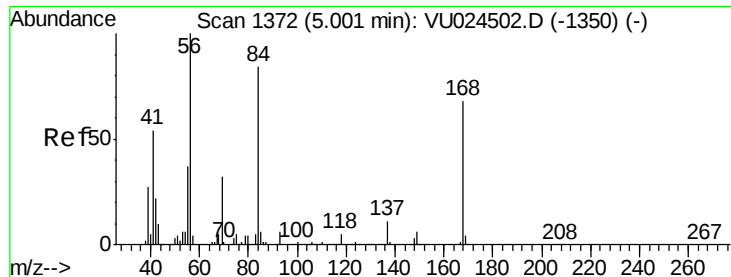
85 64.0 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU024502.D (-1253) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-1253) (-)

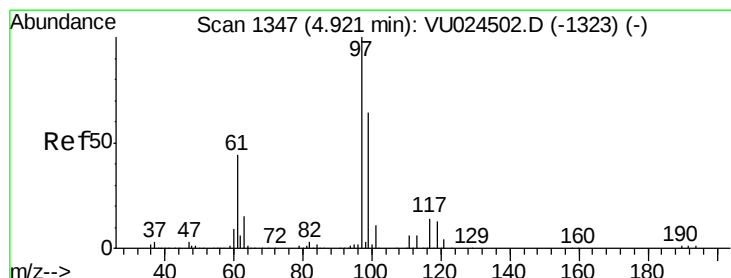
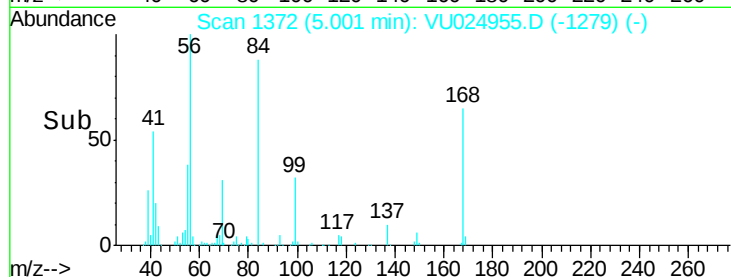
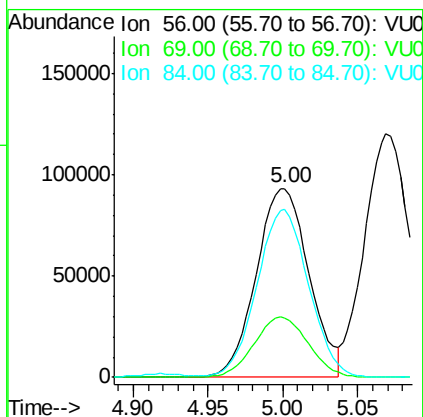
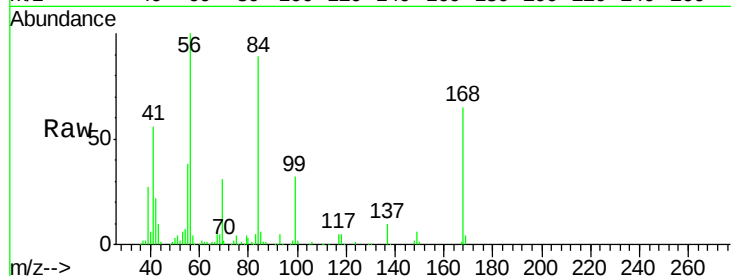




#31
Cyclohexane
Concen: 49.983 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

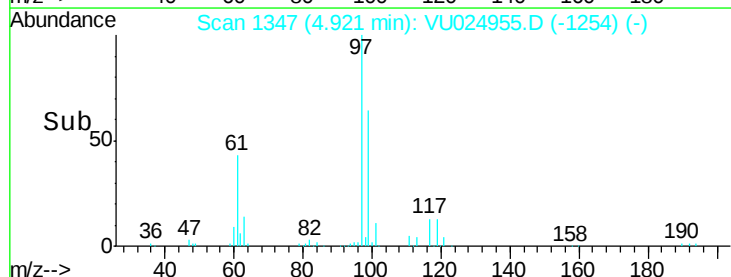
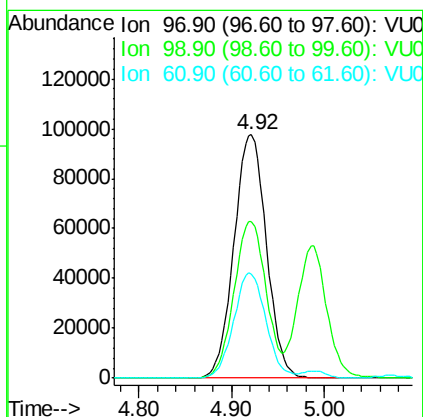
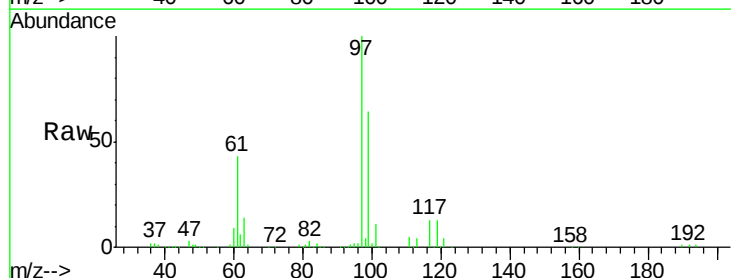
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 228802
Ion Ratio Lower Upper
56 100
69 31.4 24.8 37.2
84 87.6 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 49.104 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 97 Resp: 236911
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 43.0 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 42.280 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

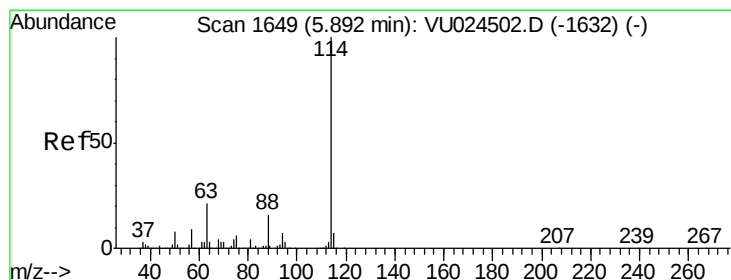
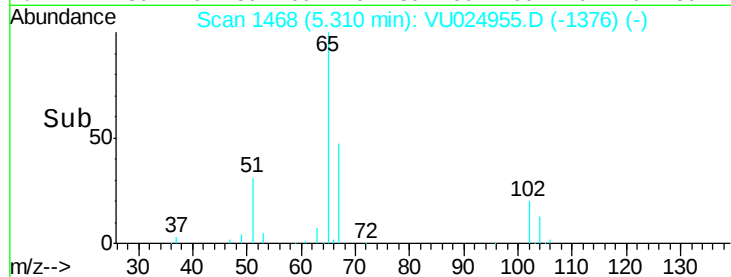
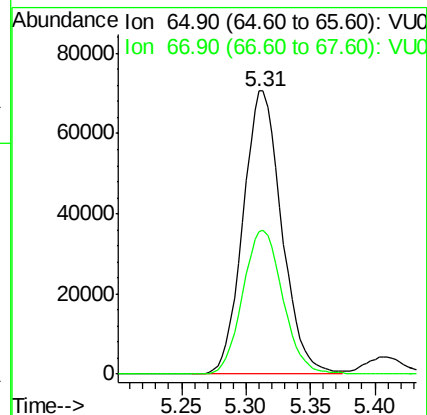
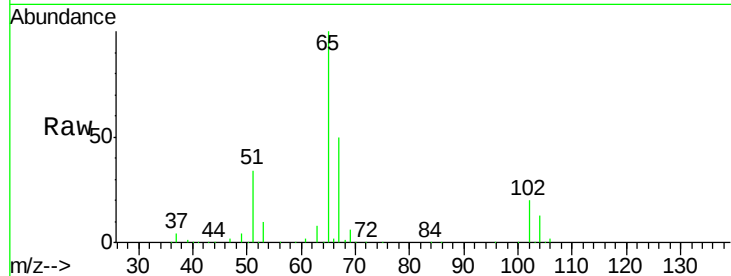
VSTDCCC050

Tgt Ion: 65 Resp: 147573

Ion Ratio Lower Upper

65 100

67 52.7 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: VU024955.D

Acq: 27 Jun 2018 10:11

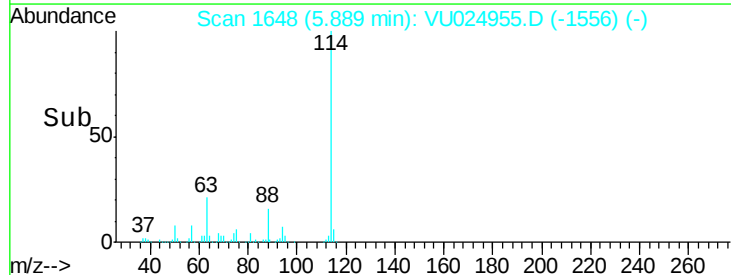
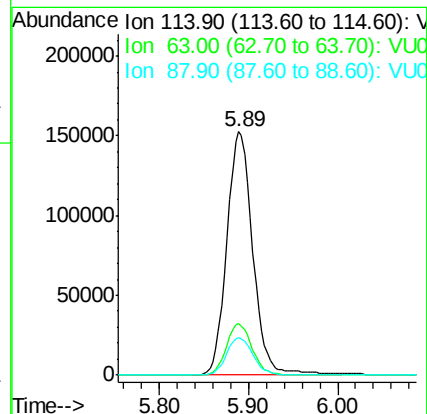
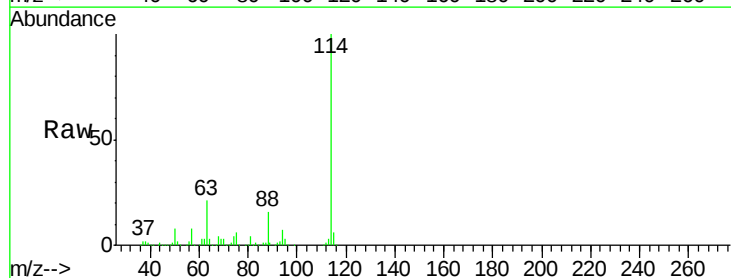
Tgt Ion: 114 Resp: 308050

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

88 15.6 0.0 31.0

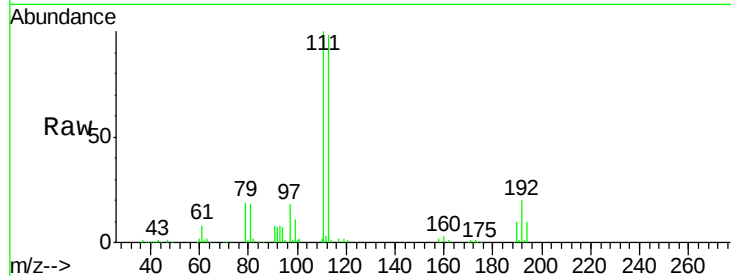




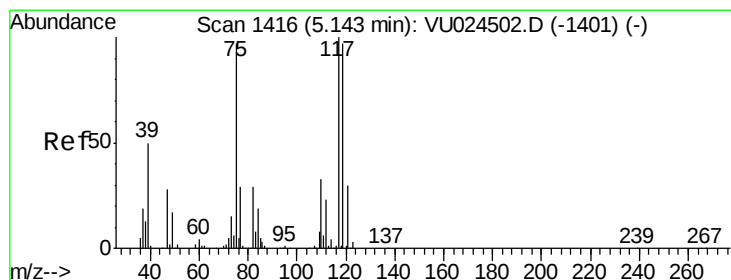
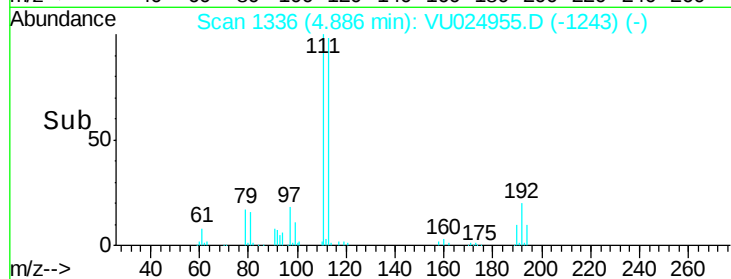
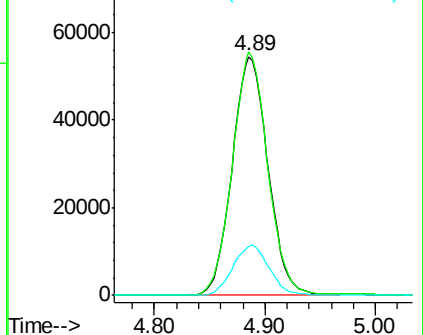
#35
 Dibromofluoromethane
 Concen: 47.982 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.2	123.4
192	21.2	16.2	24.4

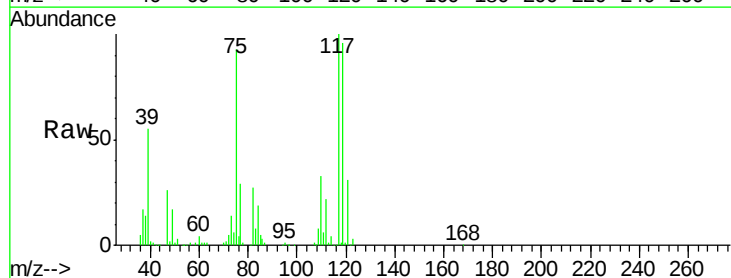


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

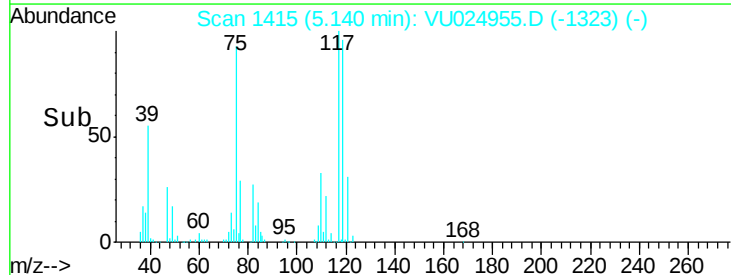
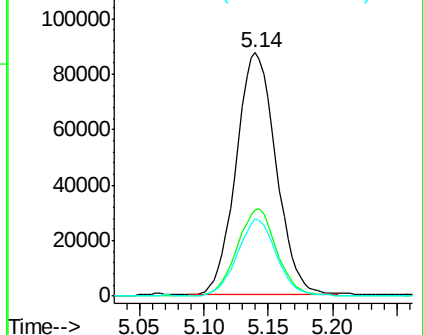


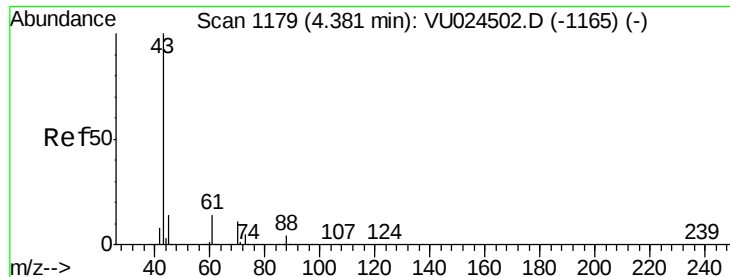
#36
 1,1-Dichloropropene
 Concen: 52.063 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.0	50.9
77	31.0	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

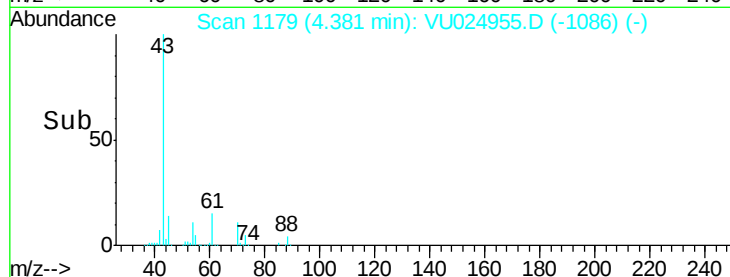
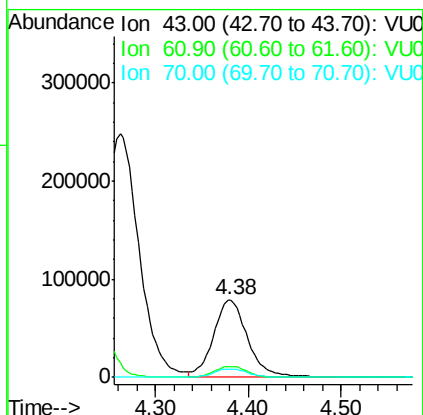
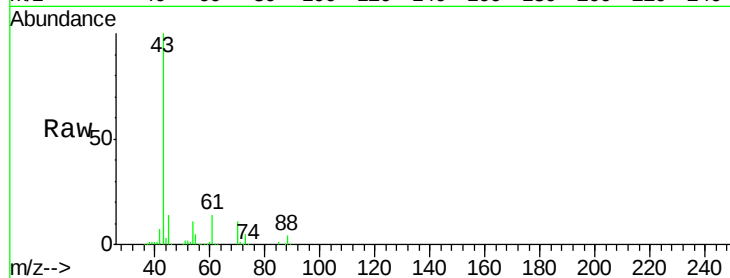




#37
Ethyl Acetate
Concen: 50.100 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

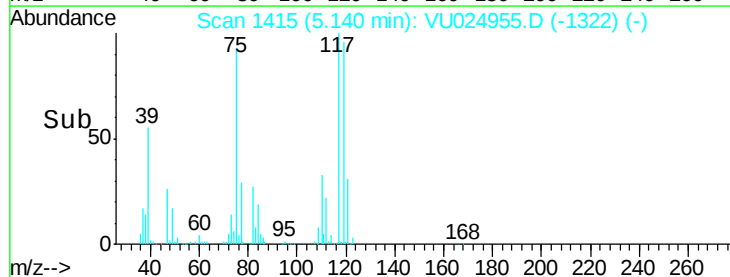
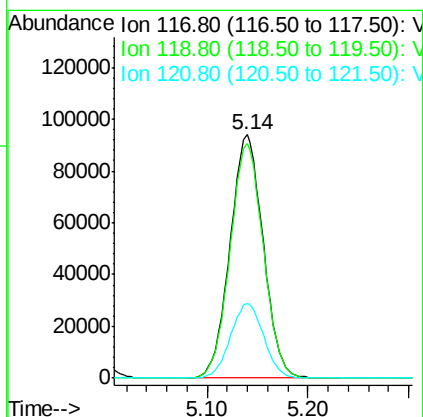
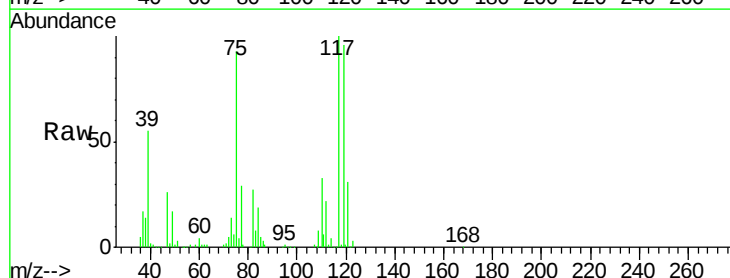
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

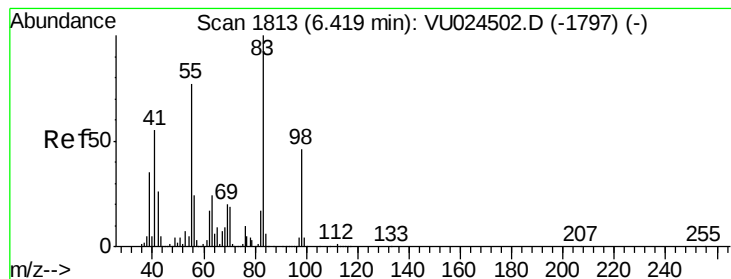
Tgt Ion: 43 Resp: 197663
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 11.0 7.4 11.2



#38
Carbon Tetrachloride
Concen: 53.820 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 117 Resp: 214236
Ion Ratio Lower Upper
117 100
119 96.2 76.1 114.1
121 30.9 23.7 35.5





#39

Methylcyclohexane

Concen: 53.780 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

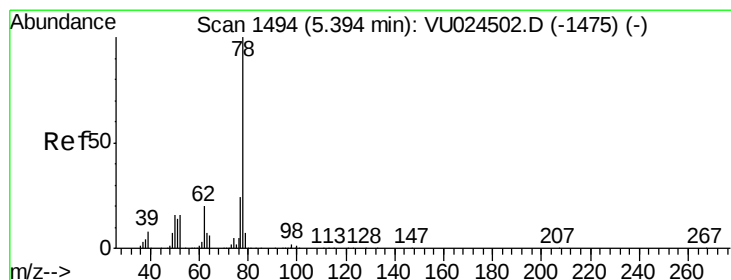
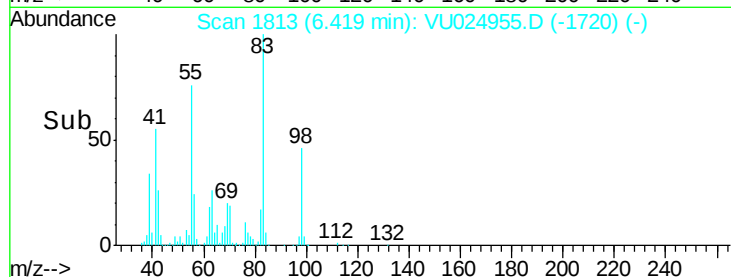
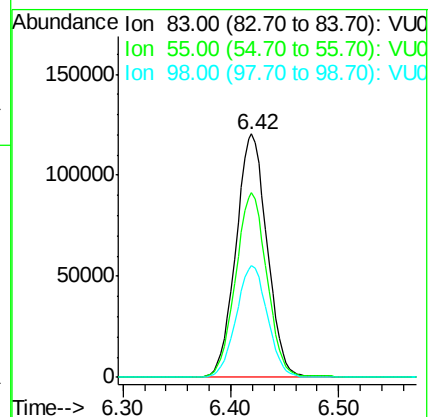
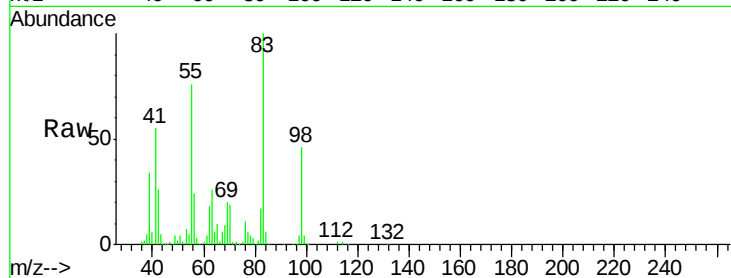
Tgt Ion: 83 Resp: 242937

Ion	Ratio	Lower	Upper
83	100		
55	75.8	65.8	98.6
98	45.8	36.7	55.1

83 100

55 75.8 65.8 98.6

98 45.8 36.7 55.1



#40

Benzene

Concen: 51.938 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024955.D

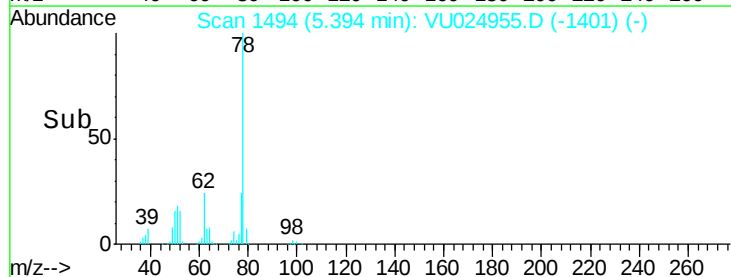
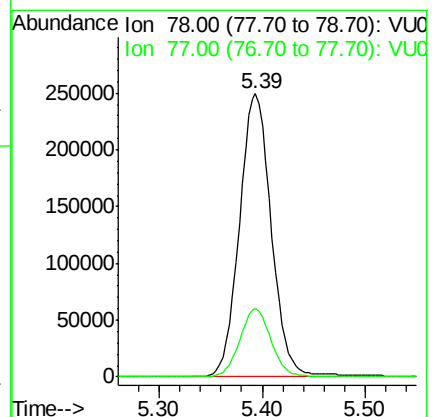
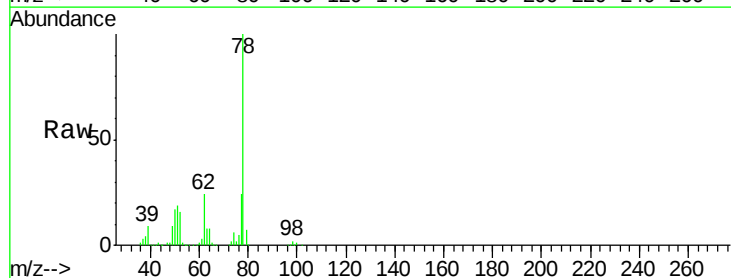
Acq: 27 Jun 2018 10:11

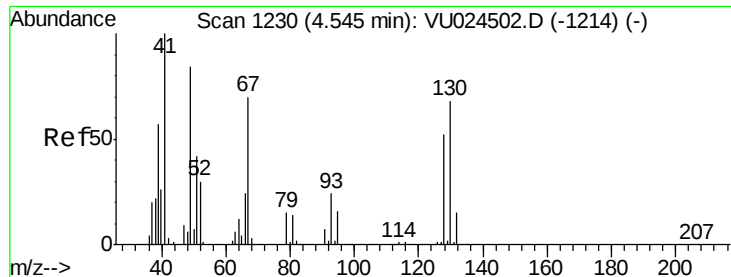
Tgt Ion: 78 Resp: 535712

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

78 100

77 24.0 19.2 28.8

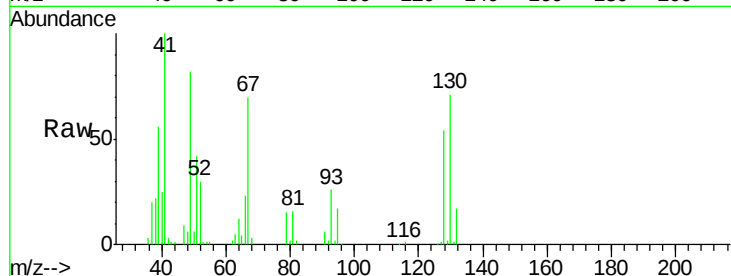




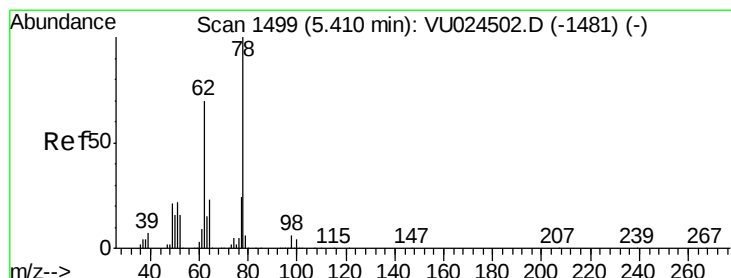
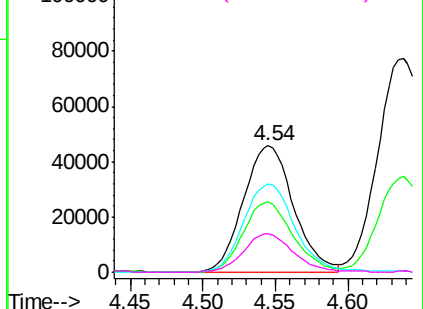
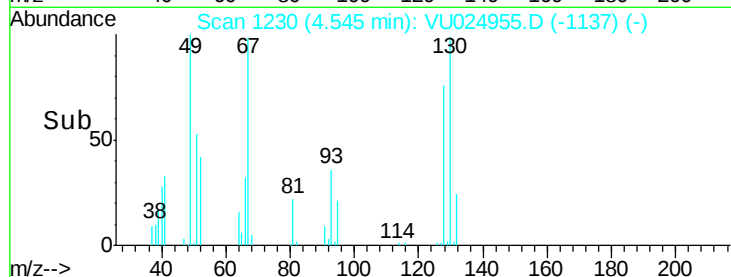
#41
Methacrylonitrile
Concen: 51.639 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 109845
Ion Ratio Lower Upper
41 100
39 55.6 43.8 65.6
67 72.4 56.3 84.5
52 29.7 23.2 34.8

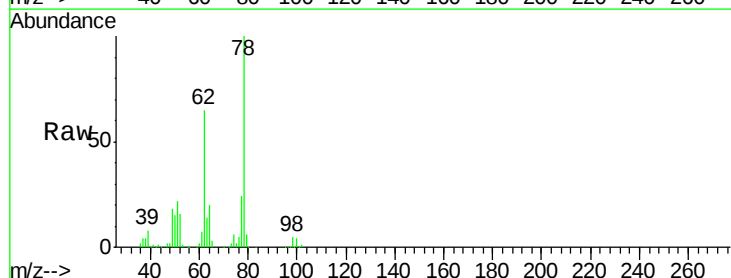


Abundance Ion 41.00 (40.70 to 41.70): VU0
120000
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

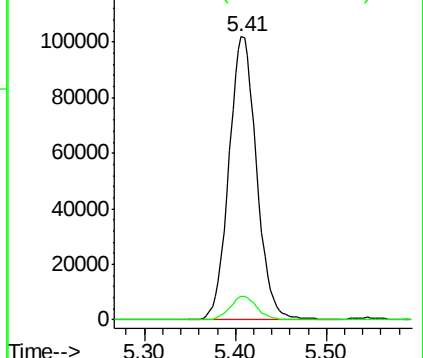
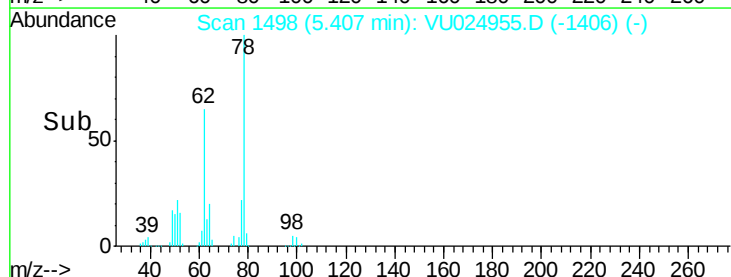


#42
1,2-Dichloroethane
Concen: 54.835 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 62 Resp: 215414
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
120000
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 46.846 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

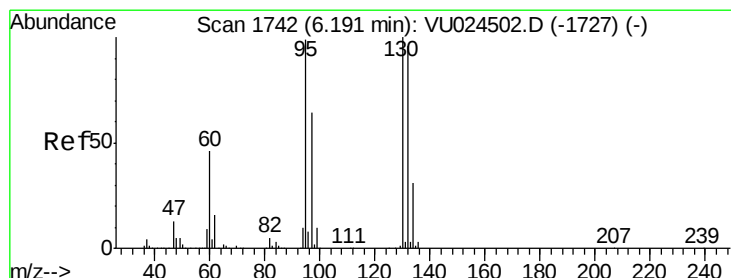
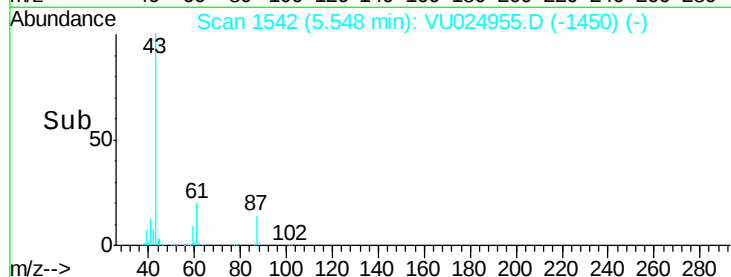
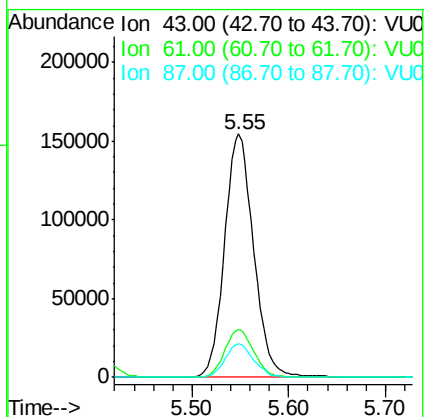
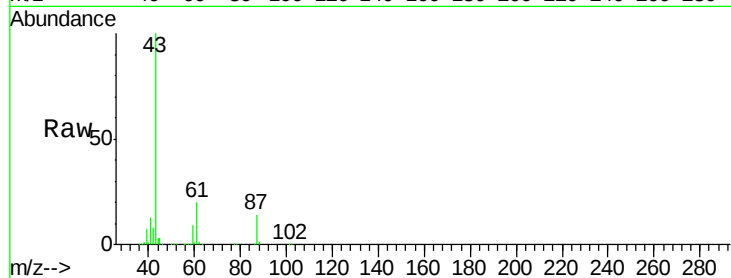
Tgt Ion: 43 Resp: 319474

Ion Ratio Lower Upper

43 100

61 19.8 15.4 23.0

87 13.7 10.0 15.0



#44

Trichloroethene

Concen: 52.384 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024955.D

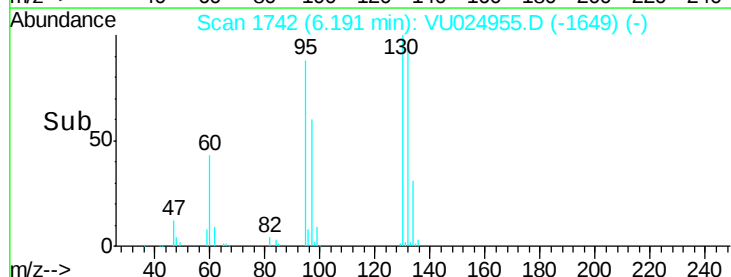
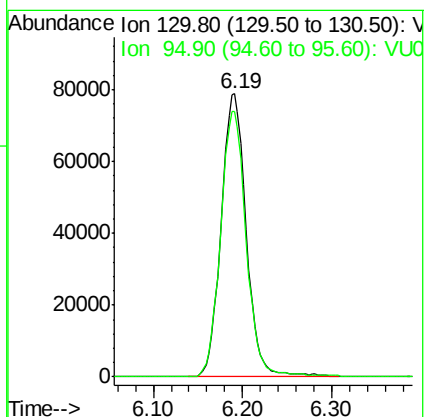
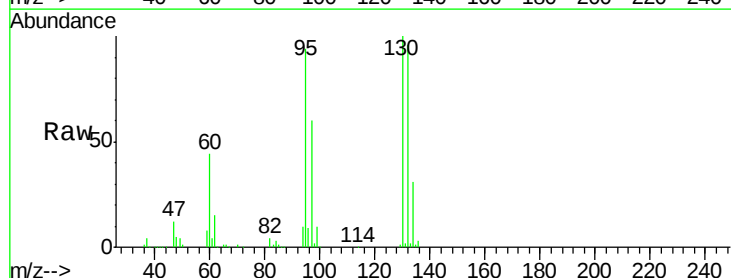
Acq: 27 Jun 2018 10:11

Tgt Ion: 130 Resp: 153772

Ion Ratio Lower Upper

130 100

95 93.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 52.091 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

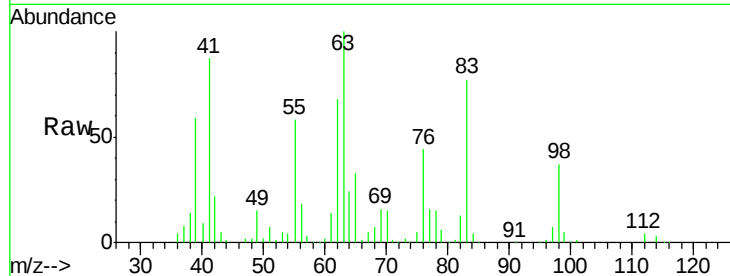
VSTDCCC050

Tgt Ion: 63 Resp: 143364

Ion Ratio Lower Upper

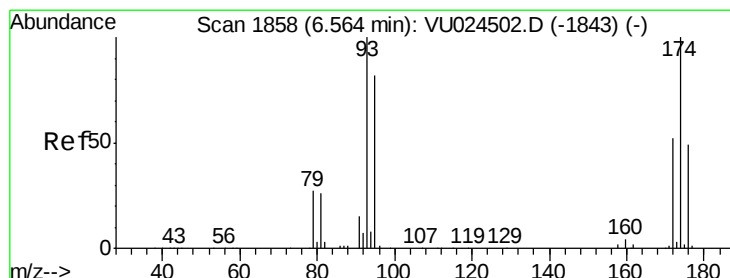
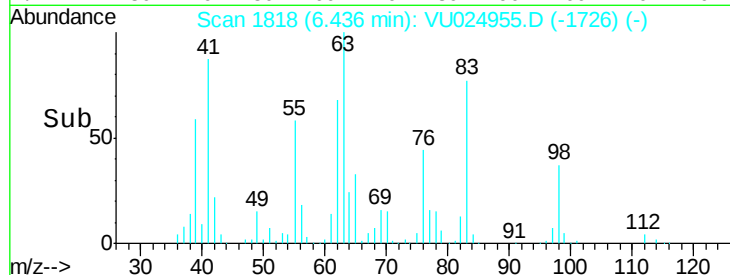
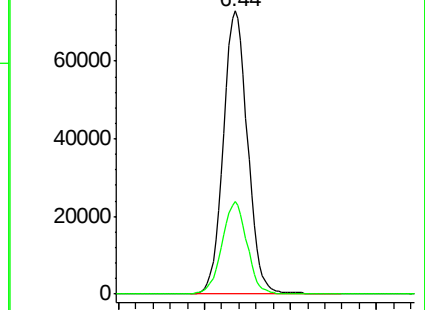
63 100

65 32.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU024502.D (-1802) (-)

Ion 64.90 (64.60 to 65.60): VU024502.D (-1802) (-)



#46

Dibromomethane

Concen: 52.285 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

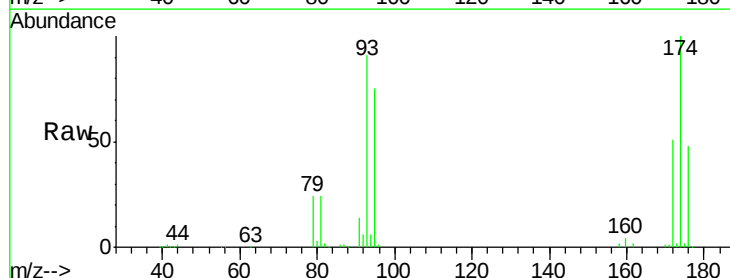
Tgt Ion: 93 Resp: 101074

Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

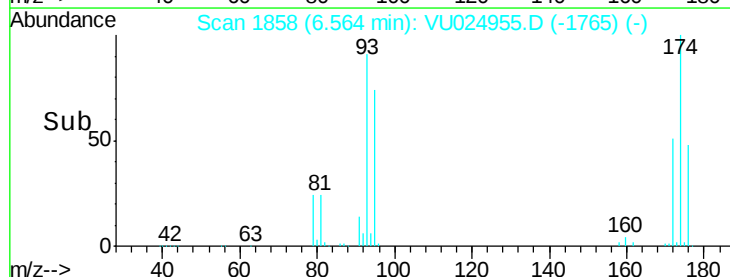
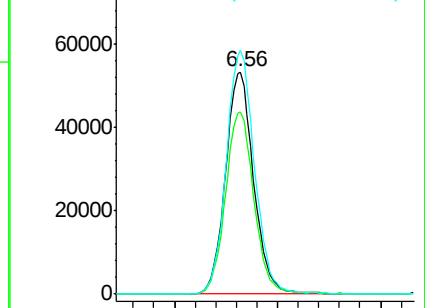
174 110.2 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU024502.D (-1843) (-)

Ion 94.80 (94.50 to 95.50): VU024502.D (-1843) (-)

Ion 173.70 (173.40 to 174.40): VU024502.D (-1843) (-)





#47

Bromodichloromethane

Concen: 51.528 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

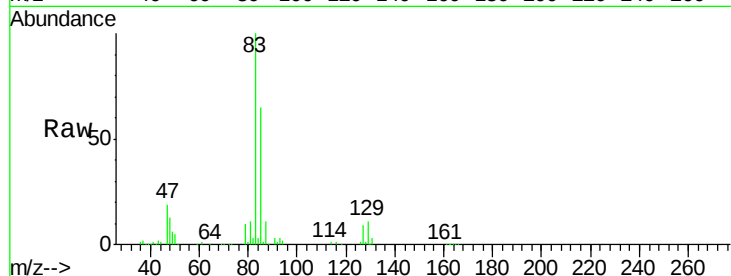
Tgt Ion: 83 Resp: 198353

Ion Ratio Lower Upper

83 100

85 64.6 51.9 77.9

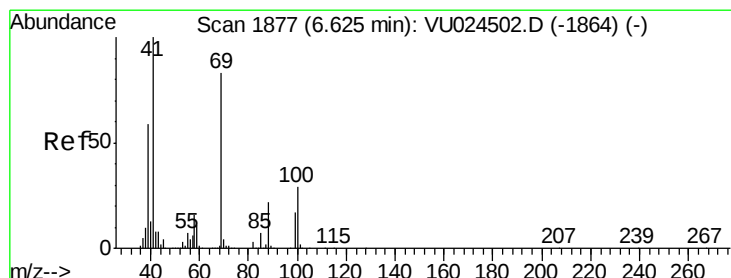
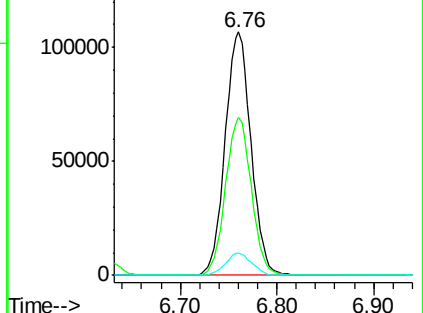
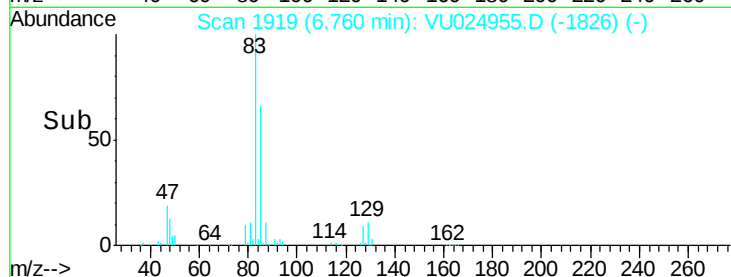
127 9.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU024955.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU024955.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU024955.D (-1826) (-)



#48

Methyl methacrylate

Concen: 50.054 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

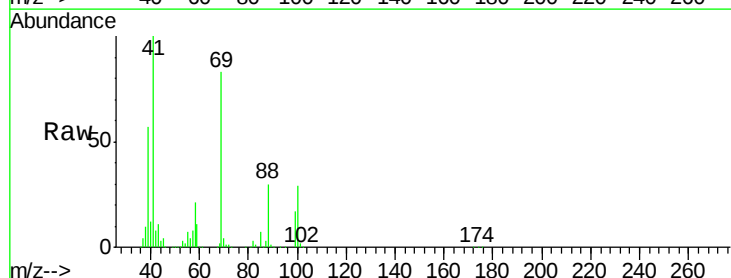
Tgt Ion: 41 Resp: 166220

Ion Ratio Lower Upper

41 100

69 82.5 67.3 100.9

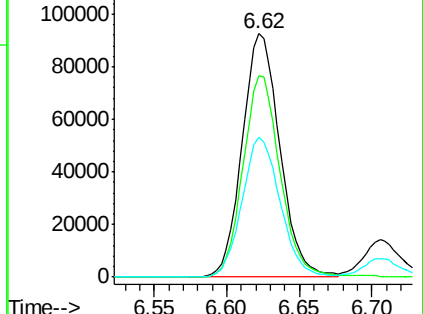
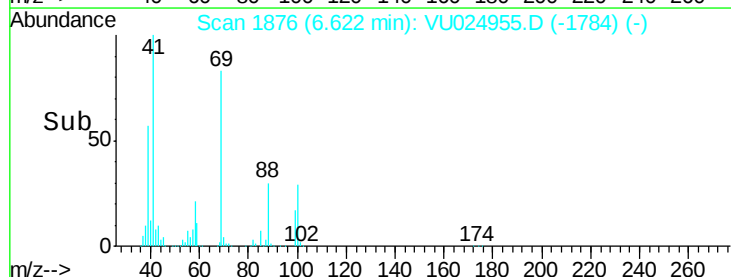
39 58.0 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU024955.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU024955.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU024955.D (-1784) (-)

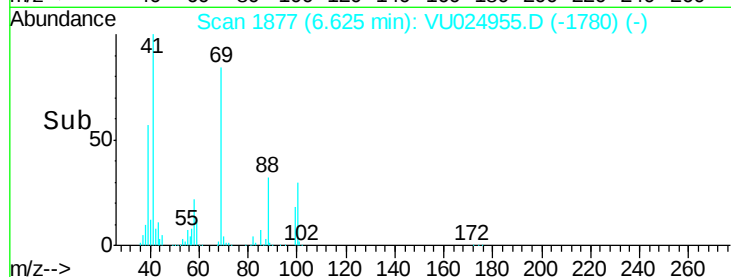
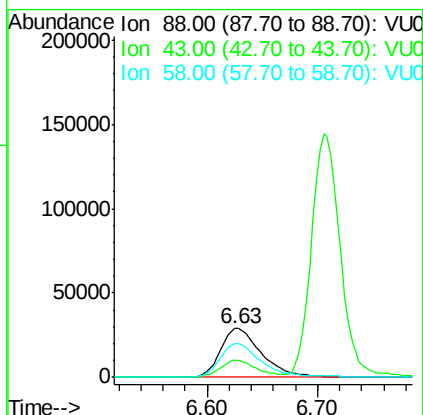
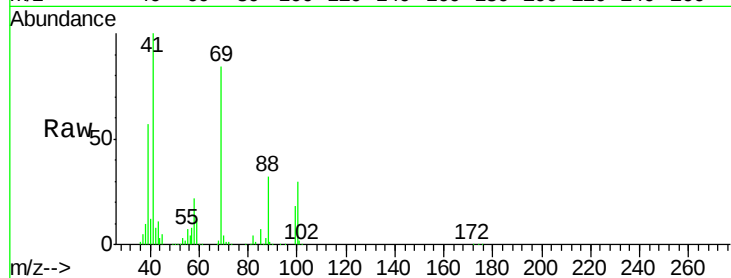




#49
 1,4-Dioxane
 Concen: 1147.726 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

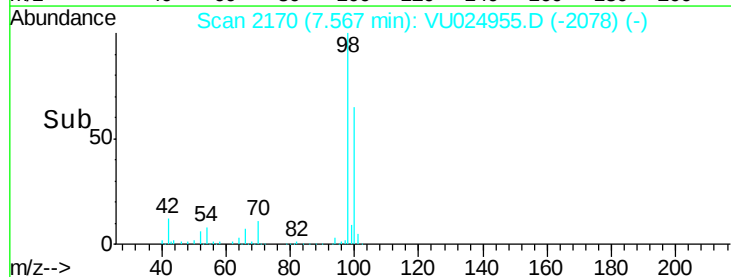
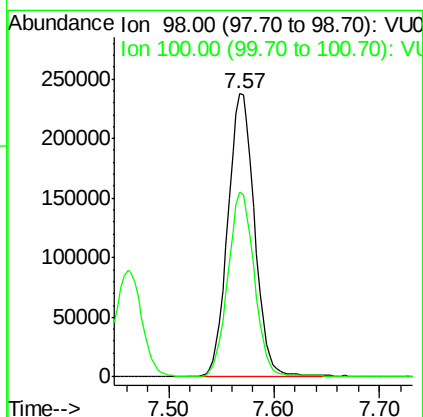
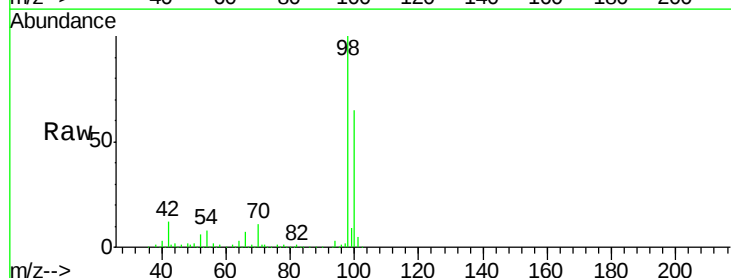
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 74536
 Ion Ratio Lower Upper
 88 100
 43 31.8 28.6 42.8
 58 69.3 58.2 87.4



#50
 Toluene-d8
 Concen: 44.798 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 98 Resp: 417757
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7

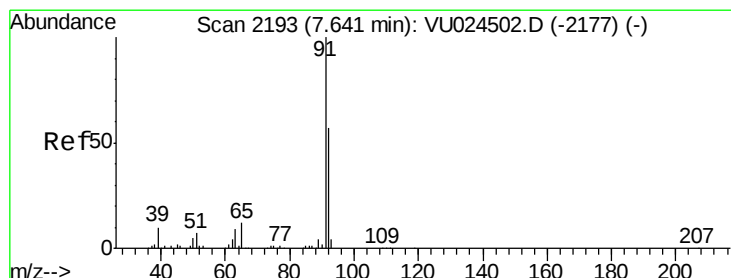
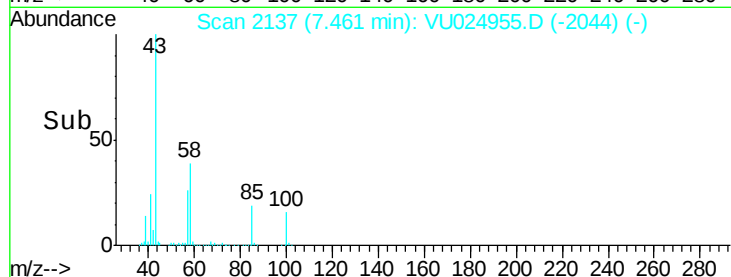
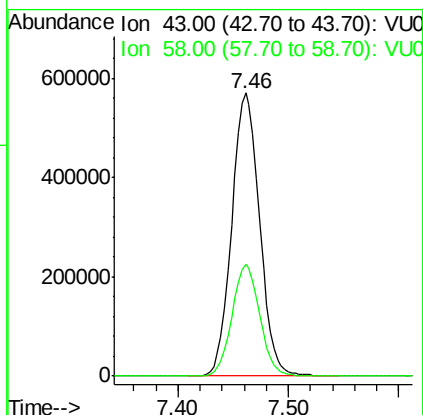
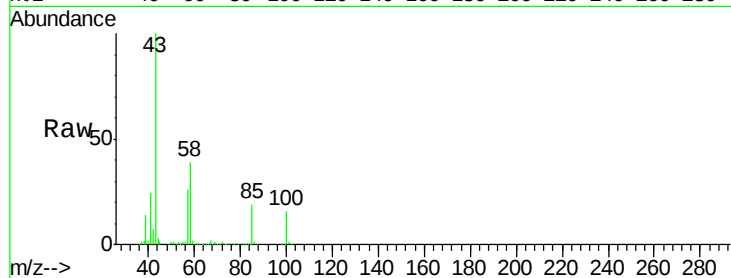




#51
 4-Methyl-2-Pentanone
 Concen: 232.827 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

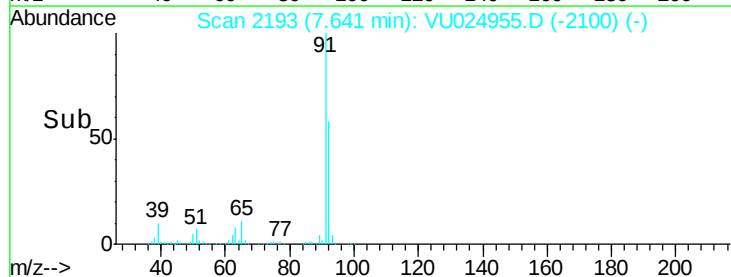
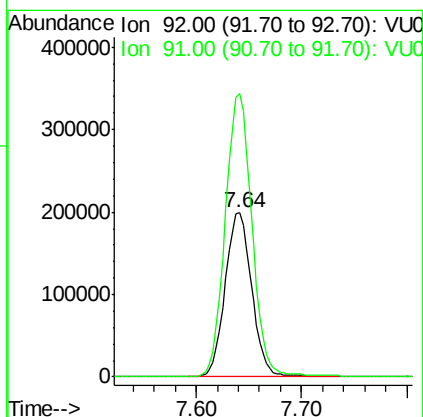
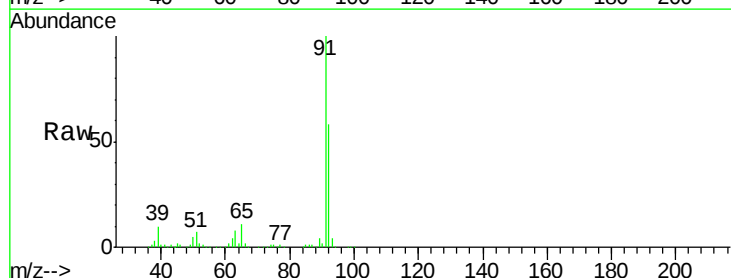
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 997547
 Ion Ratio Lower Upper
 43 100
 58 39.2 30.0 45.0



#52
 Toluene
 Concen: 52.600 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 92 Resp: 349051
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.5 210.7

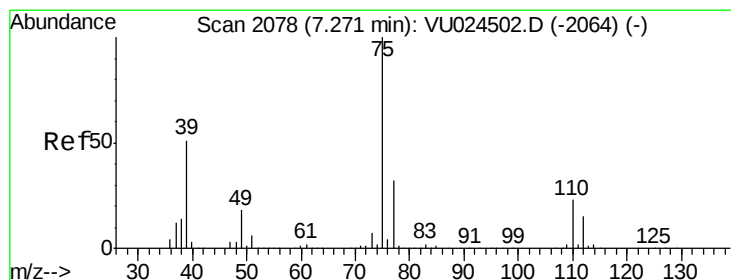
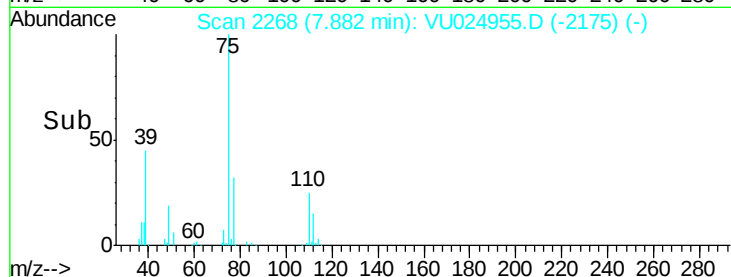
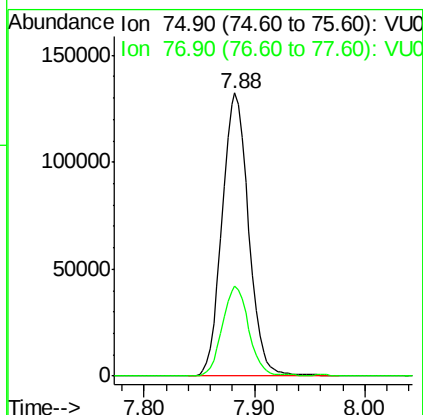
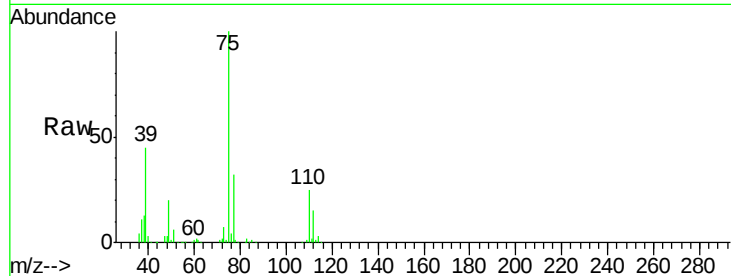




#53
t-1,3-Dichloropropene
Concen: 51.270 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

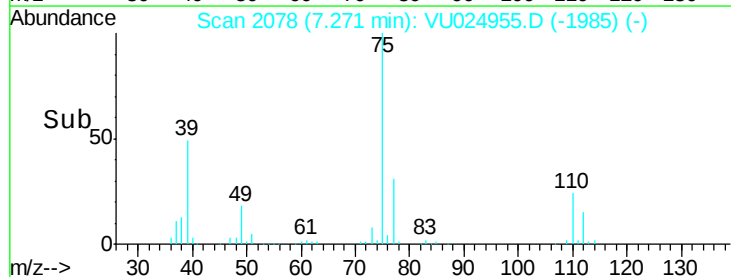
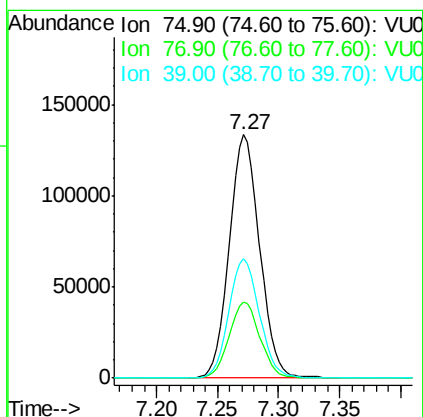
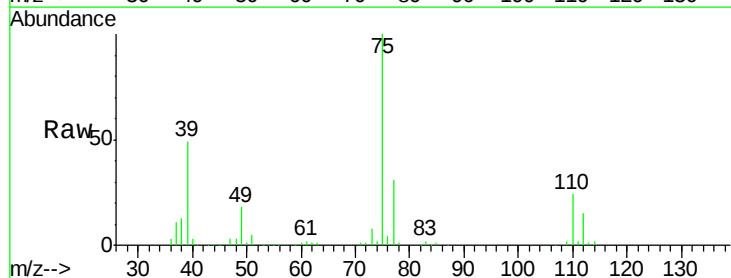
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 221637
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 50.242 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 75 Resp: 231432
Ion Ratio Lower Upper
75 100
77 31.4 24.6 36.8
39 48.9 39.8 59.6

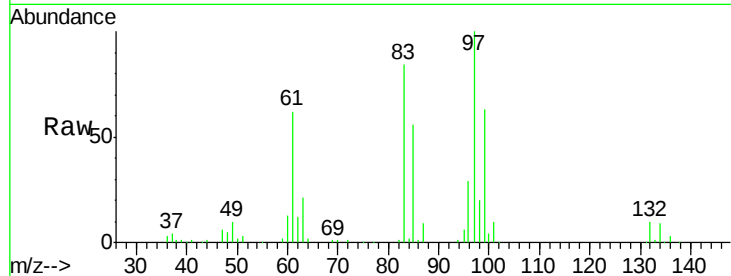




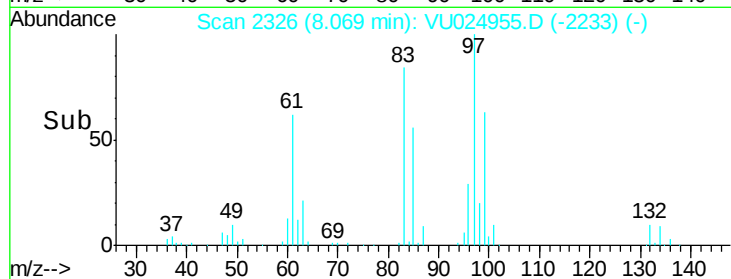
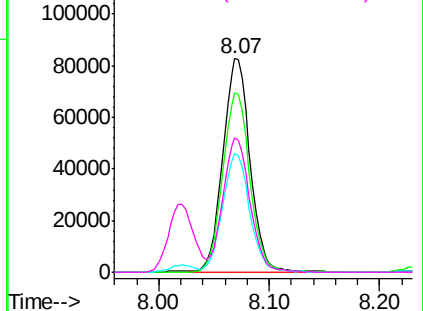
#55
 1,1,2-Trichloroethane
 Concen: 52.043 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	140385
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.5	105.7
85	55.5	46.4	69.6
99	63.3	50.2	75.2

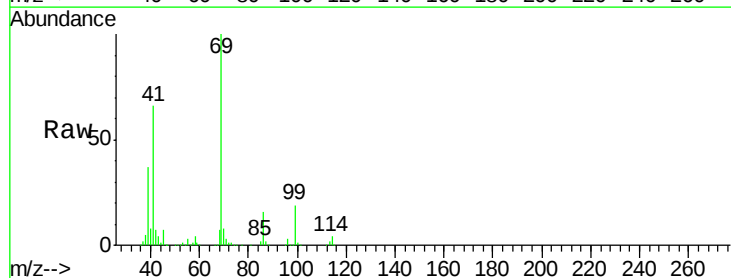


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

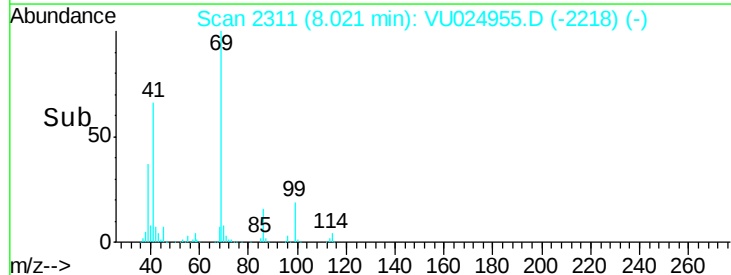
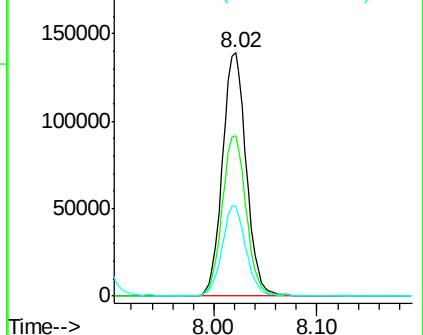


#56
 Ethyl methacrylate
 Concen: 49.507 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:	69	Resp:	223515
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	36.5	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 52.080 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

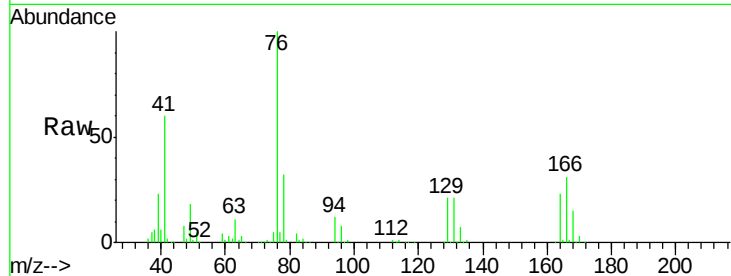
VSTDCCC050

Tgt Ion: 76 Resp: 236984

Ion Ratio Lower Upper

76 100

78 31.8 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

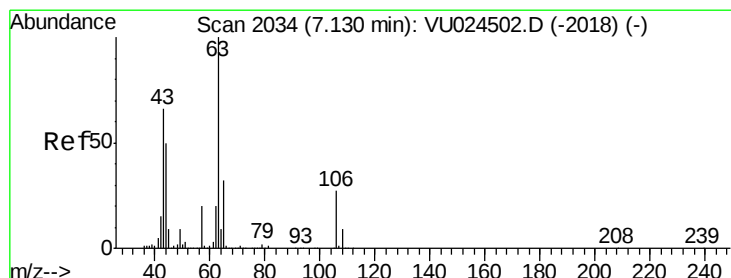
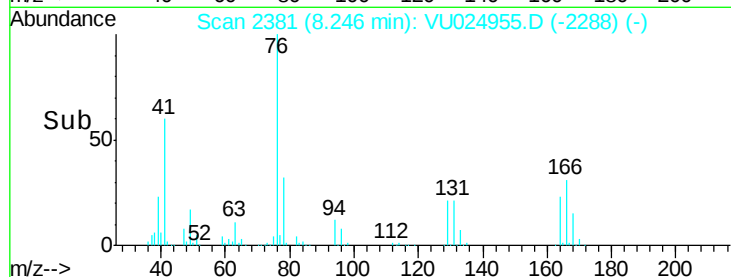
150000

100000

50000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 32.807 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU024955.D

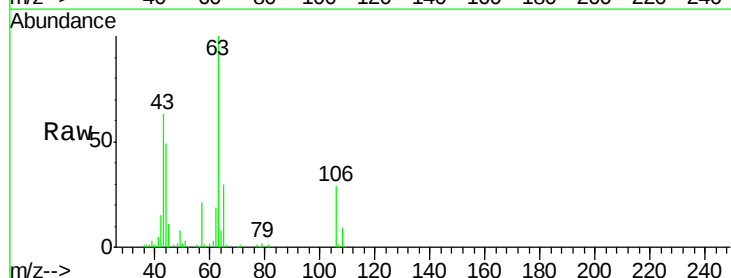
Acq: 27 Jun 2018 10:11

Tgt Ion: 63 Resp: 56745

Ion Ratio Lower Upper

63 100

106 28.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

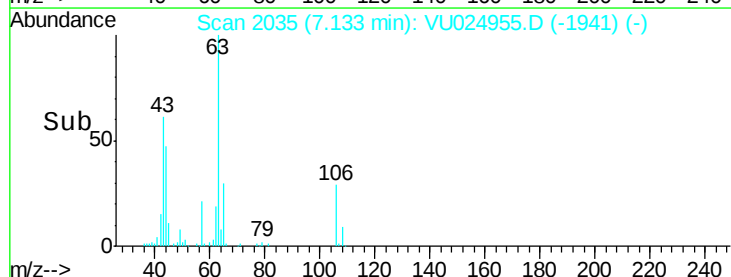
30000

20000

10000

0

Time--> 7.05 7.10 7.15 7.20

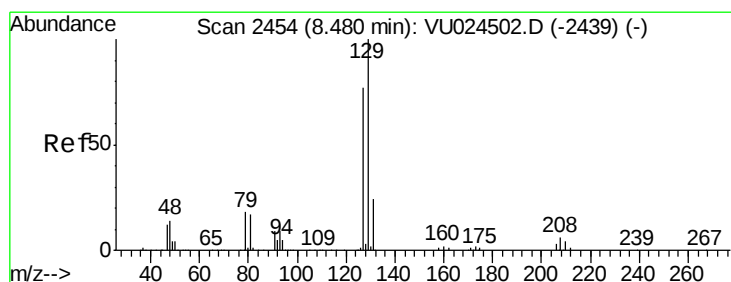
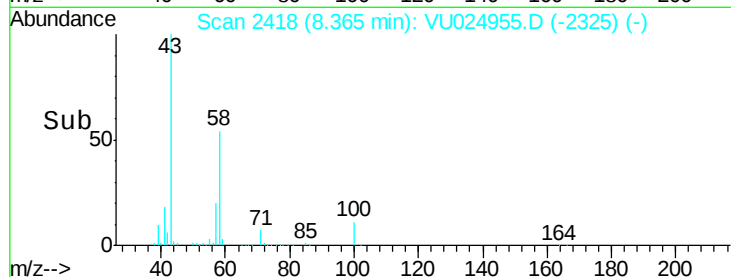
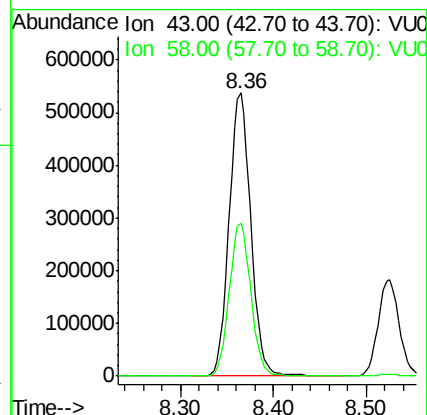
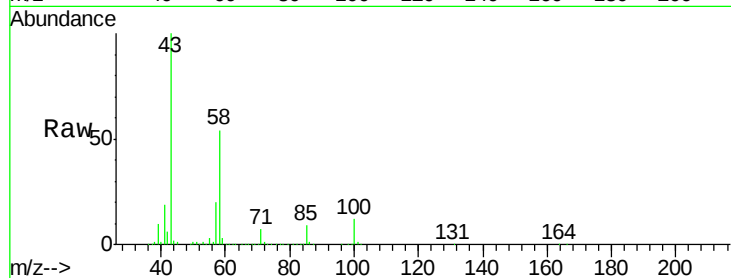




#59
2-Hexanone
Concen: 249.296 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

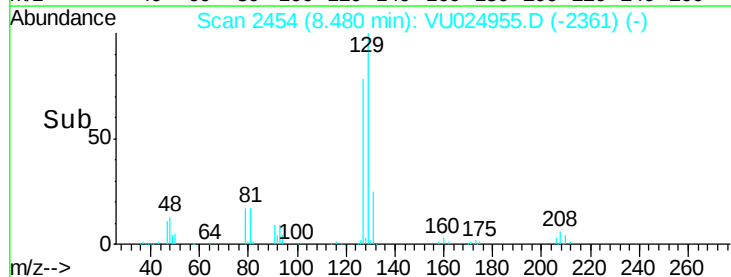
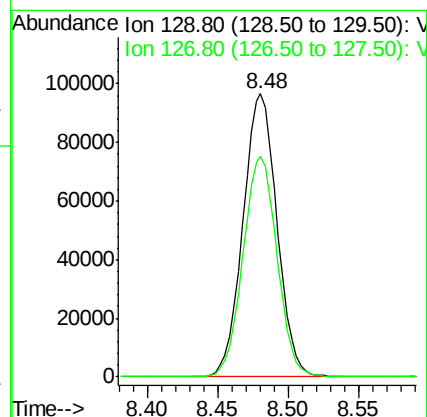
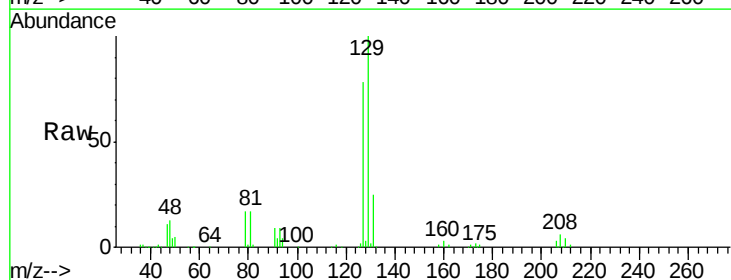
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 872009
Ion Ratio Lower Upper
43 100
58 53.9 26.4 79.0



#60
Dibromochloromethane
Concen: 48.539 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 129 Resp: 163272
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.772 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

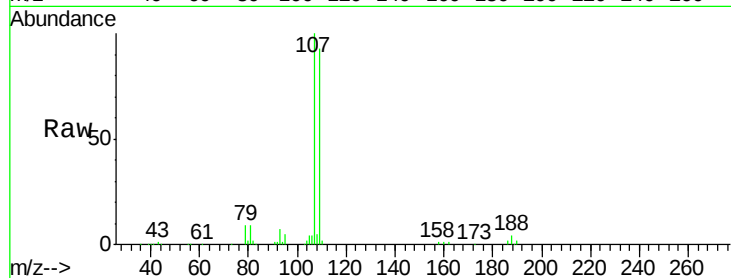
VSTDCCC050

Tgt Ion: 107 Resp: 155437

Ion Ratio Lower Upper

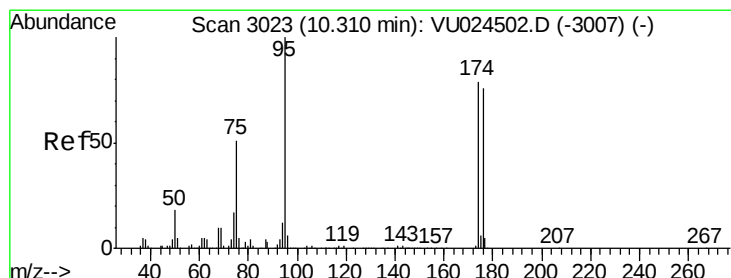
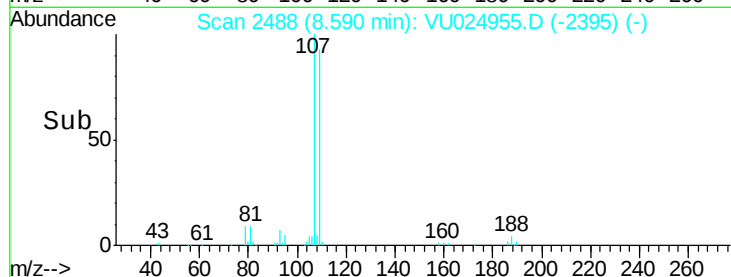
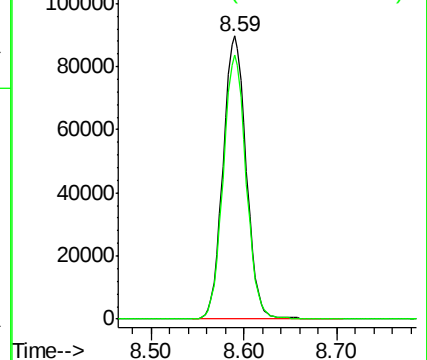
107 100

109 92.7 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: 45.617 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

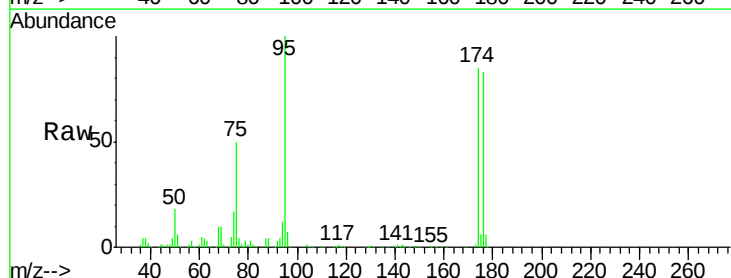
Tgt Ion: 95 Resp: 168898

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

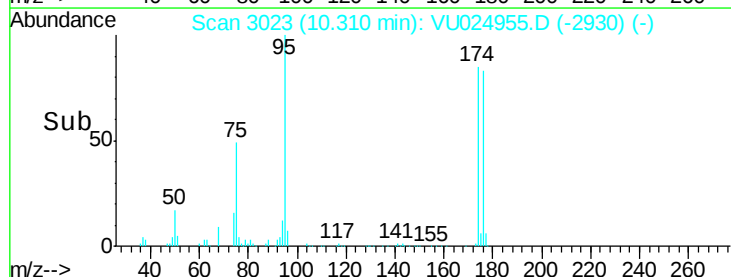
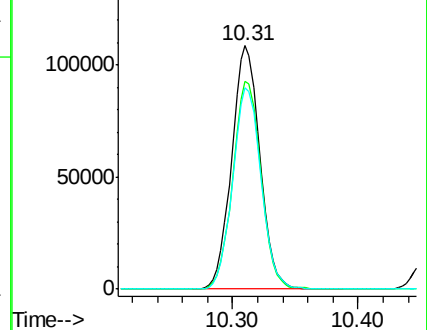
176 83.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

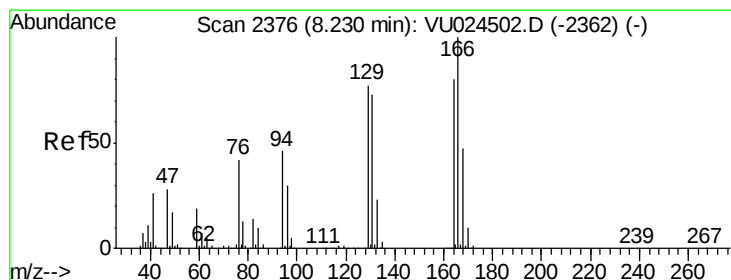
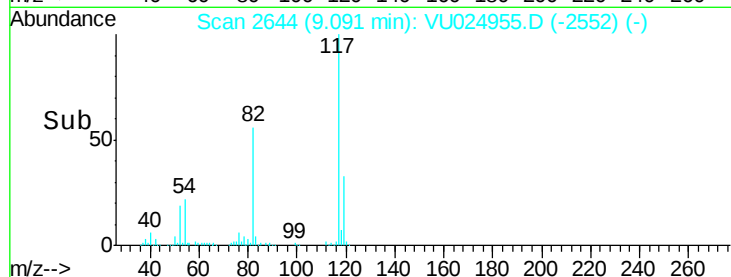
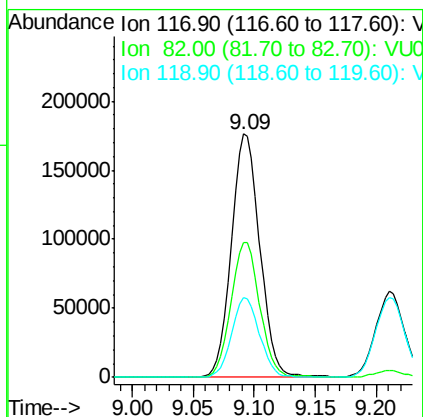
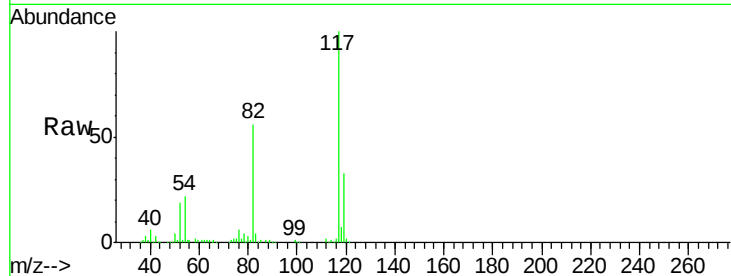




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

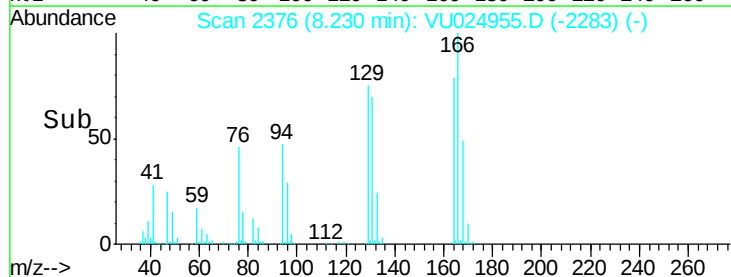
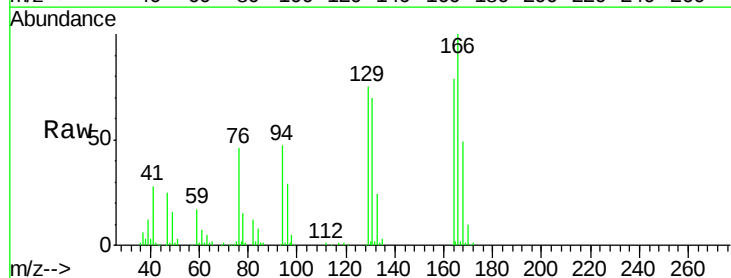
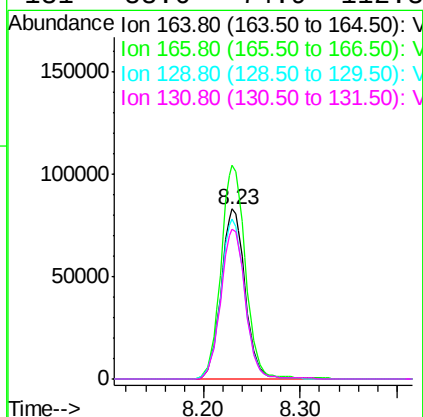
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 286902
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 33.0 25.4 38.2



#64
Tetrachloroethene
Concen: 52.391 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion:164 Resp: 142876
Ion Ratio Lower Upper
164 100
166 125.9 101.7 152.5
129 94.4 76.9 115.3
131 88.6 74.9 112.3

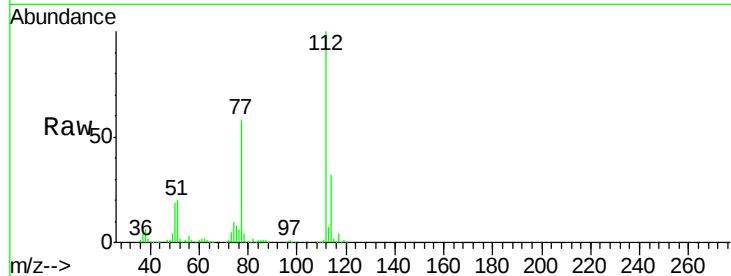




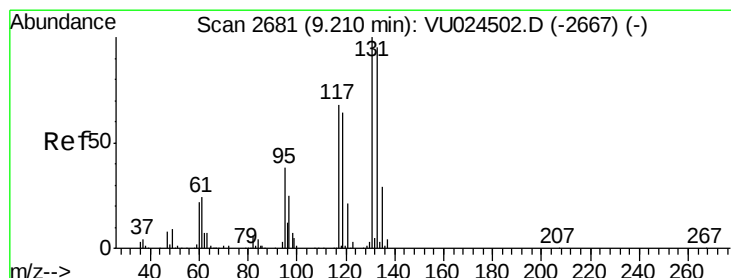
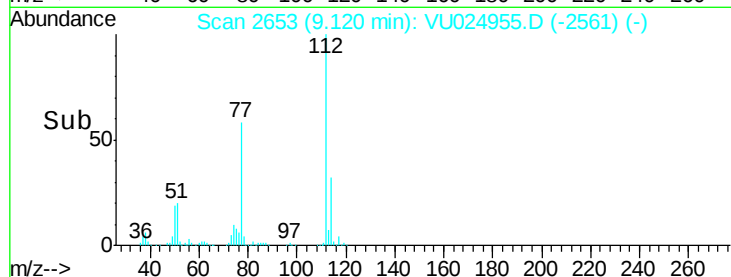
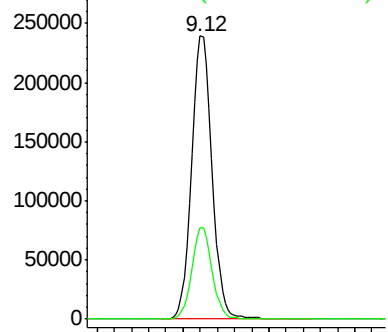
#65
Chlorobenzene
Concen: 54.026 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 395976
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

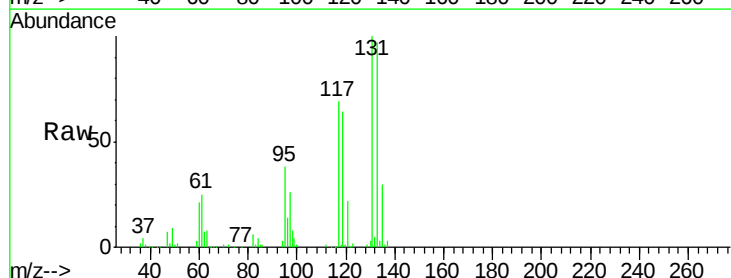


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

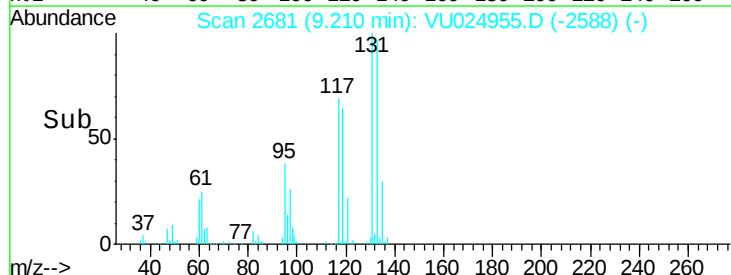
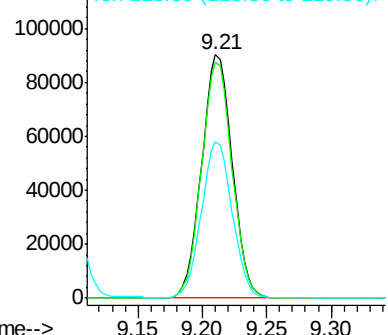


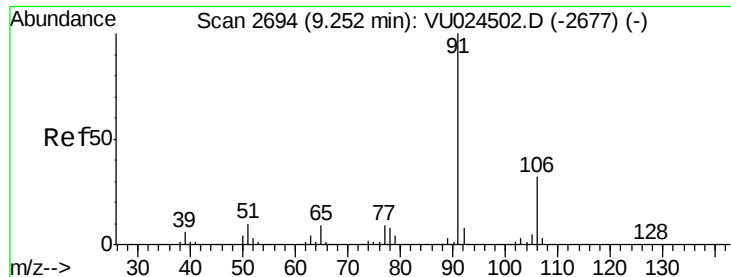
#66
1,1,1,2-Tetrachloroethane
Concen: 53.558 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion:131 Resp: 149136
Ion Ratio Lower Upper
131 100
133 96.5 46.9 140.8
119 64.6 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

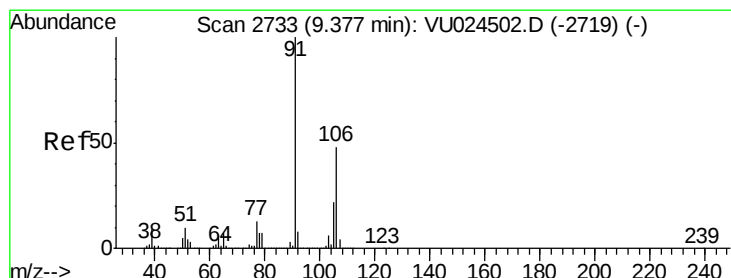
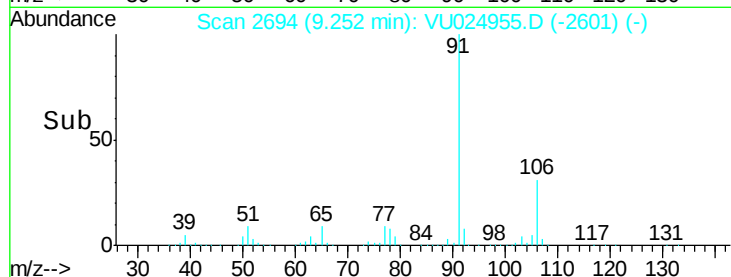
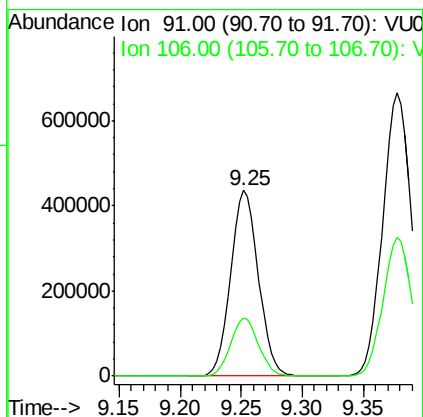
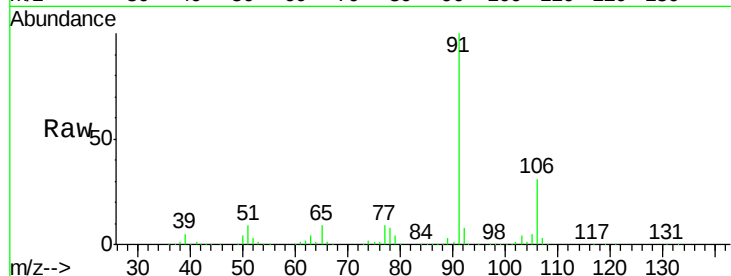




#67
Ethyl Benzene
Concen: 53.934 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

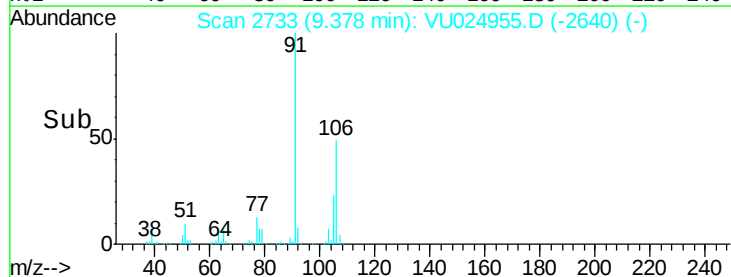
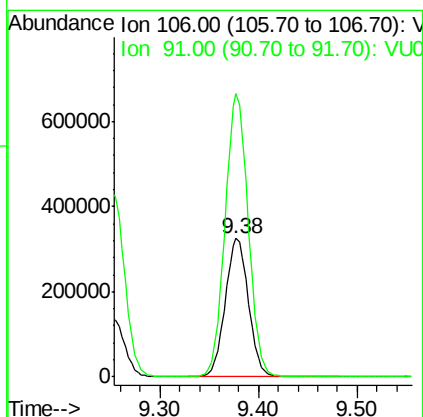
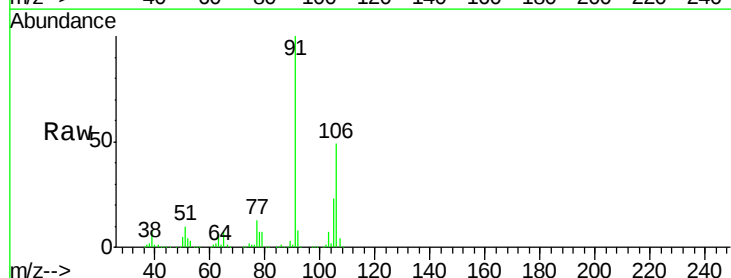
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 692993
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4



#68
m/p-Xylenes
Concen: 108.756 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 106 Resp: 536596
Ion Ratio Lower Upper
106 100
91 204.6 166.5 249.7

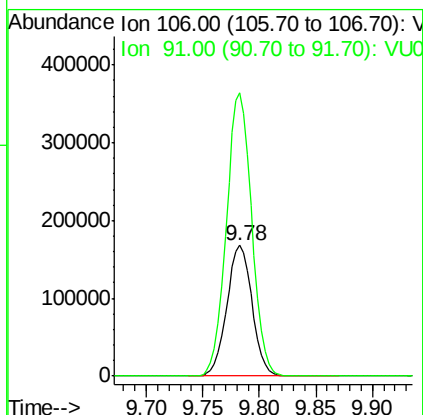
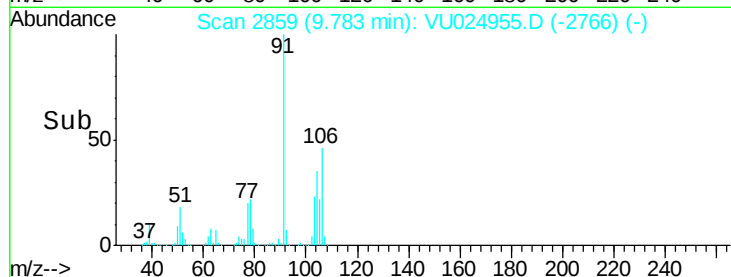
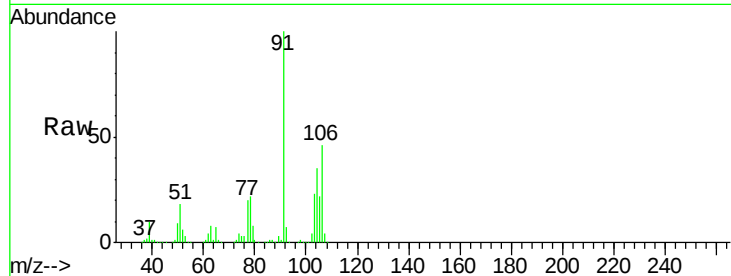




#69
o-Xylene
Concen: 53.503 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

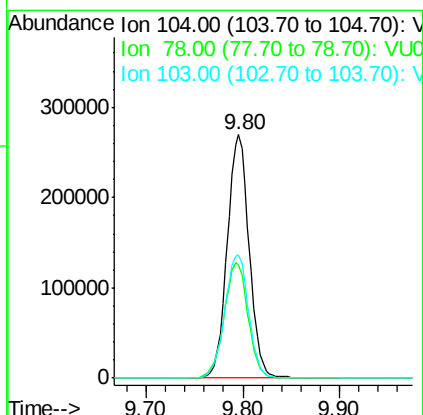
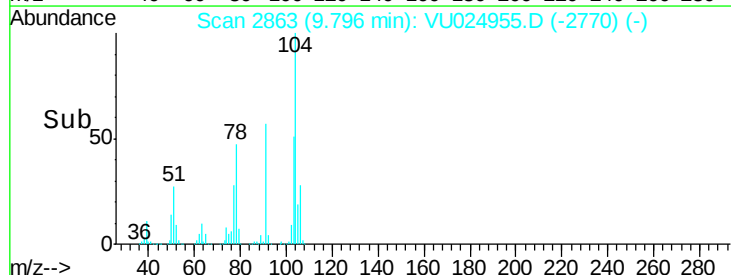
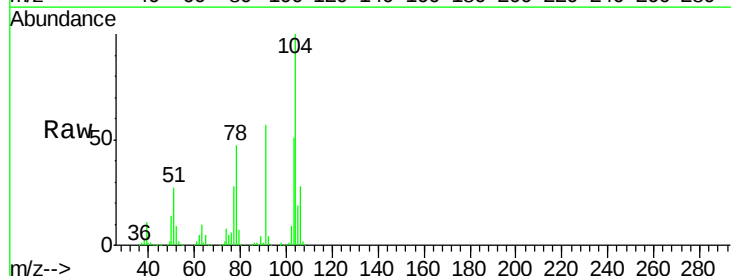
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

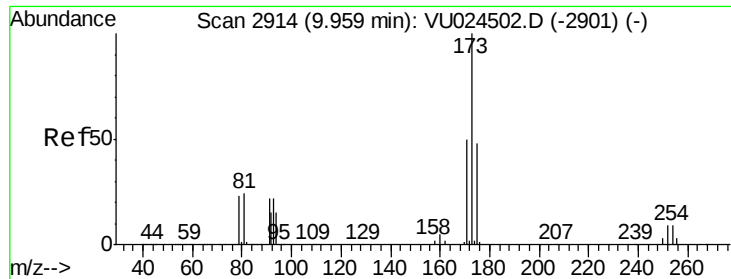
Tgt Ion:106 Resp: 261254
Ion Ratio Lower Upper
106 100
91 216.7 110.7 331.9



#70
Styrene
Concen: 52.788 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion:104 Resp: 423592
Ion Ratio Lower Upper
104 100
78 51.5 40.6 60.8
103 55.2 44.7 67.1





#71

Bromoform

Concen: 49.268 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

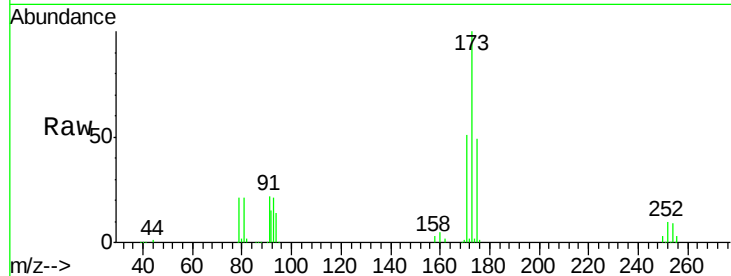
Tgt Ion:173 Resp: 130398

Ion Ratio Lower Upper

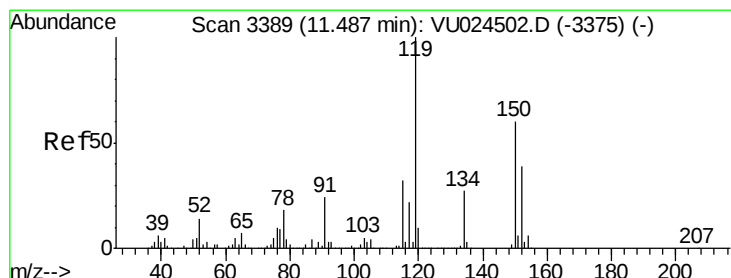
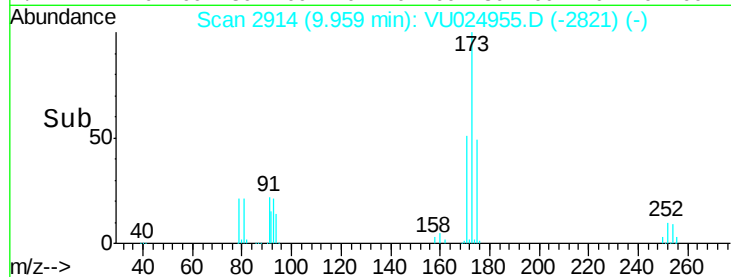
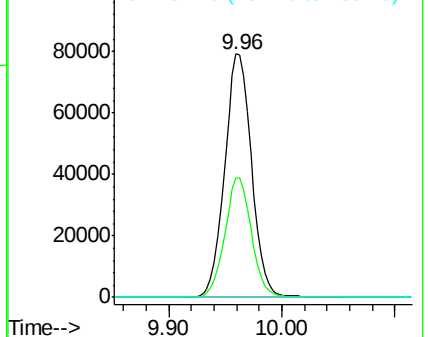
173 100

175 48.4 24.6 74.0

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

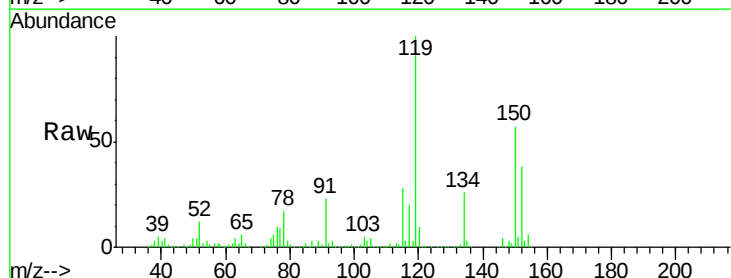
Tgt Ion:152 Resp: 175300

Ion Ratio Lower Upper

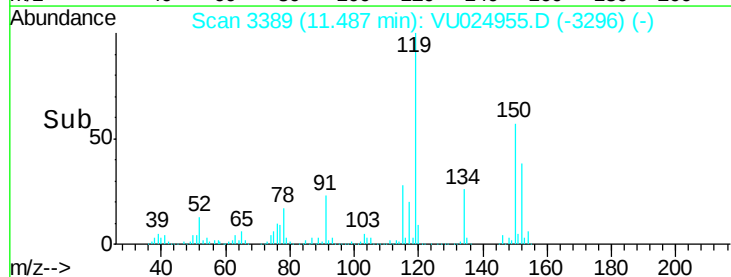
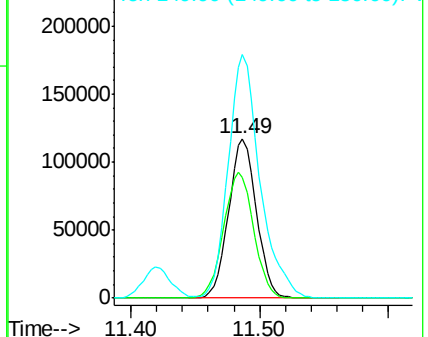
152 100

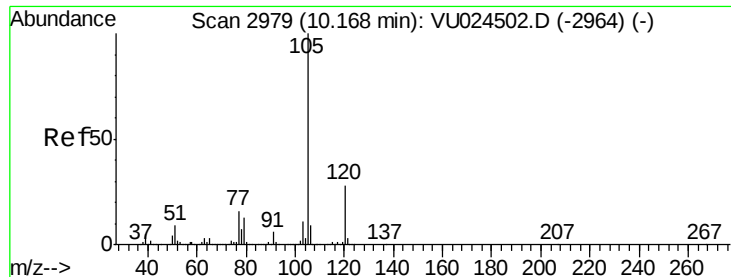
115 85.0 43.0 129.0

150 174.4 0.0 354.0



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





#73

Isopropylbenzene

Concen: 53.051 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

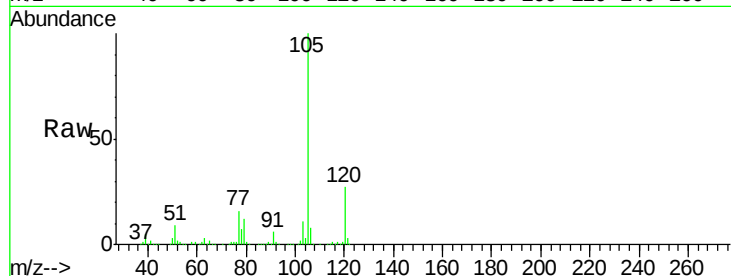
VSTDCCC050

Tgt Ion: 105 Resp: 714000

Ion Ratio Lower Upper

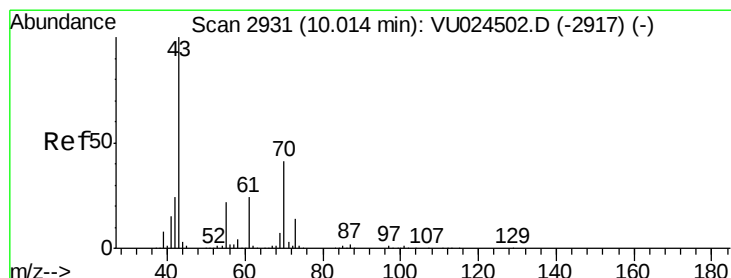
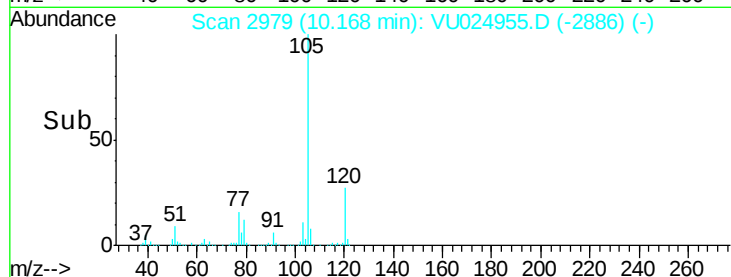
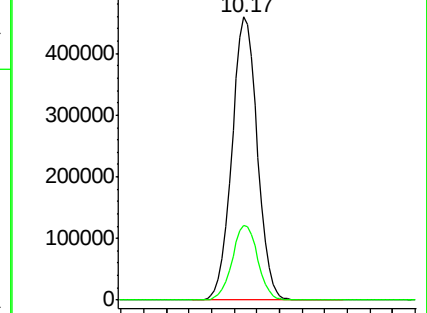
105 100

120 26.9 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: 45.724 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion: 43 Resp: 292708

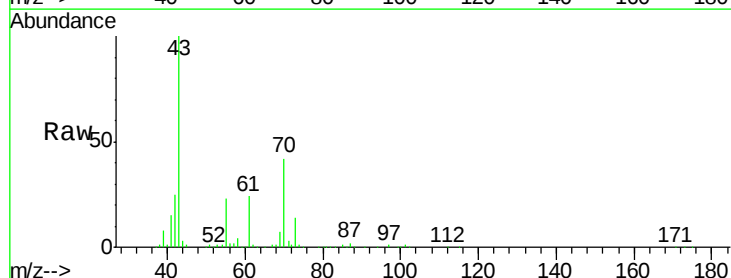
Ion Ratio Lower Upper

43 100

70 42.0 32.2 48.4

55 23.3 20.5 30.7

61 24.0 18.7 28.1

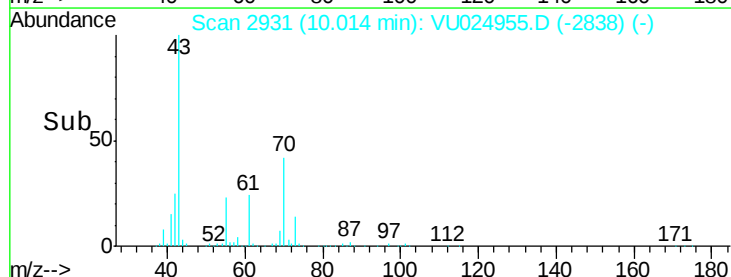
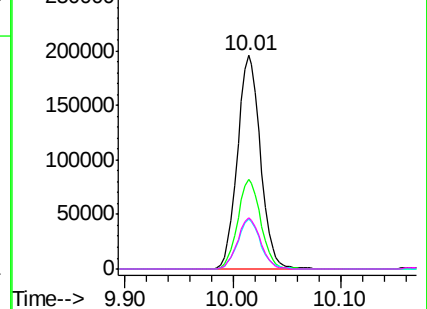


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 48.995 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

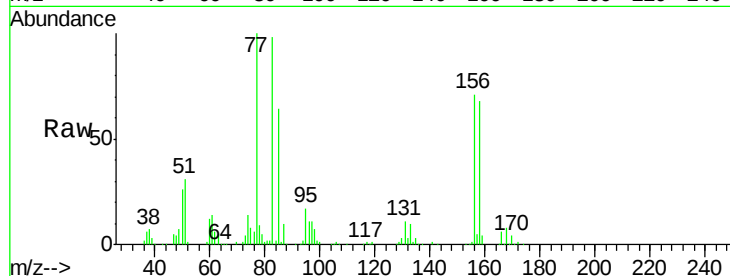
Tgt Ion: 83 Resp: 220970

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

85 64.6 32.5 97.5

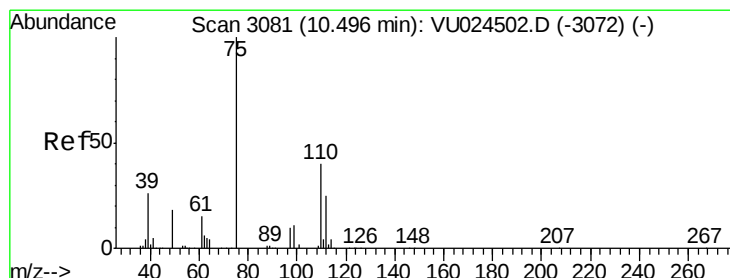
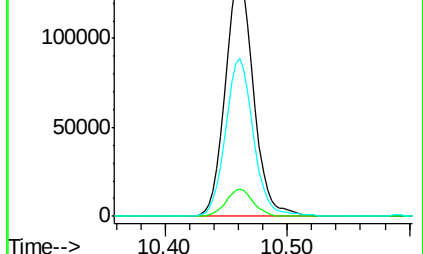
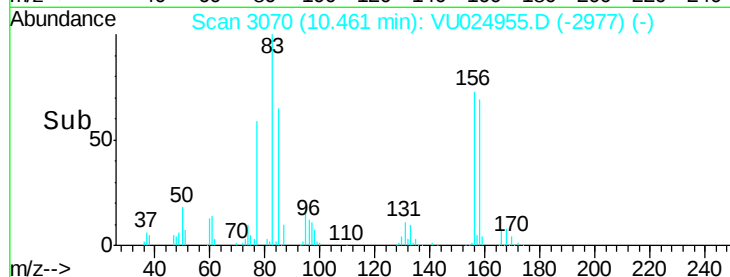


Abundance Ion 82.90 (82.60 to 83.60): VU024955.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024955.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024955.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 69.264 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024955.D

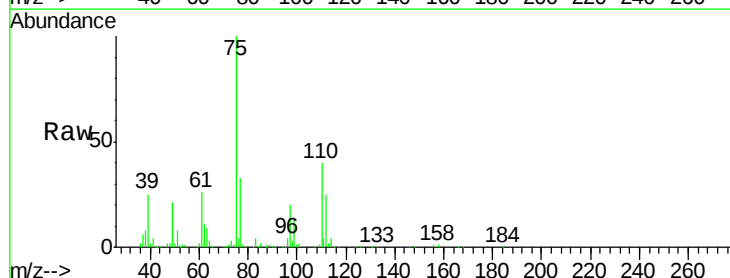
Acq: 27 Jun 2018 10:11

Tgt Ion: 75 Resp: 267324

Ion Ratio Lower Upper

75 100

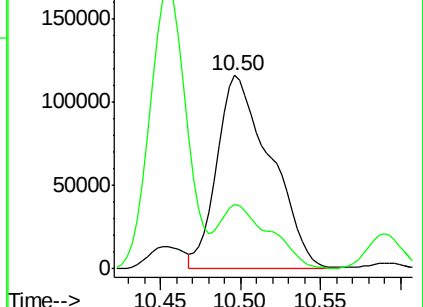
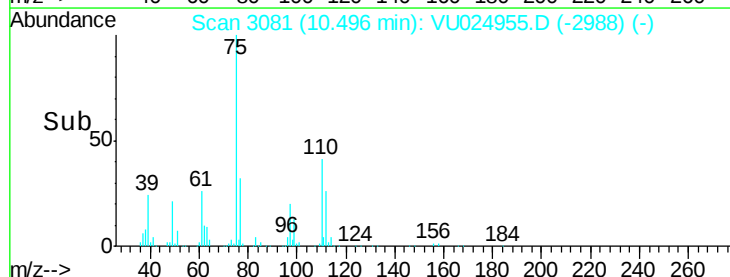
77 29.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024955.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024955.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 53.602 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

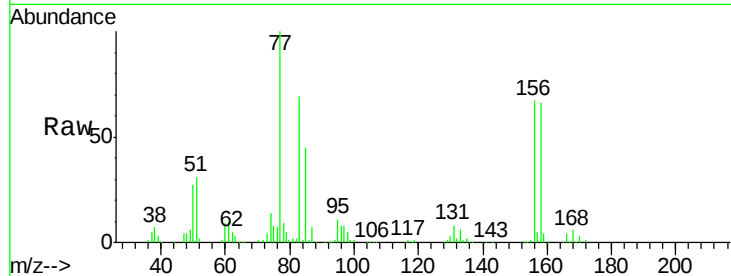
Tgt Ion:156 Resp: 182636

Ion Ratio Lower Upper

156 100

77 147.6 80.5 241.3

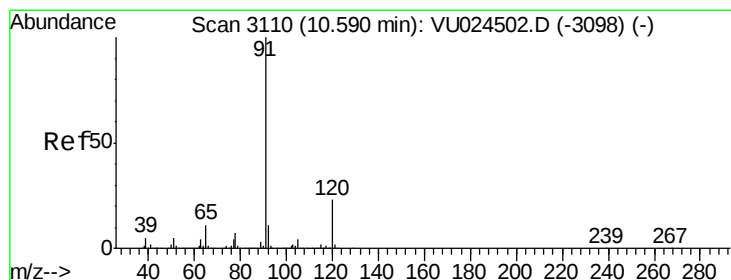
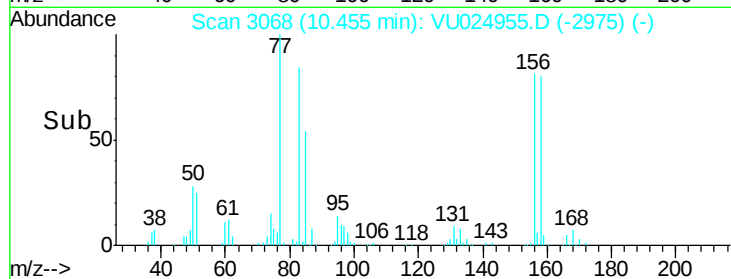
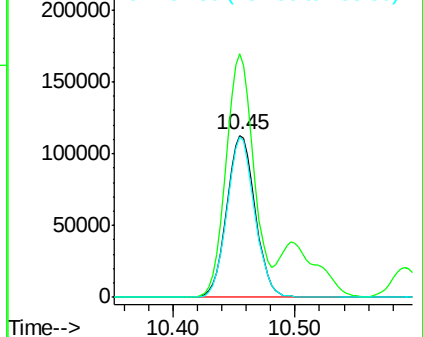
158 96.9 48.2 144.6



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: 51.719 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024955.D

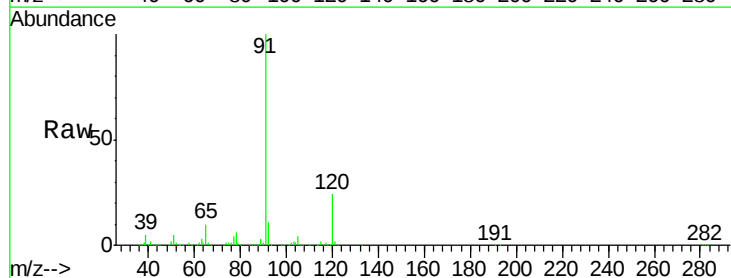
Acq: 27 Jun 2018 10:11

Tgt Ion: 91 Resp: 819972

Ion Ratio Lower Upper

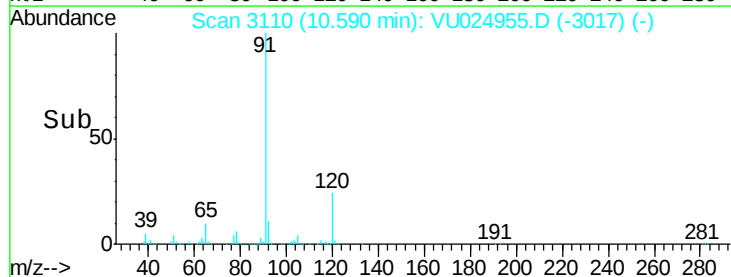
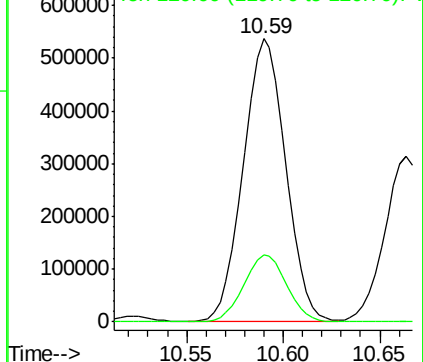
91 100

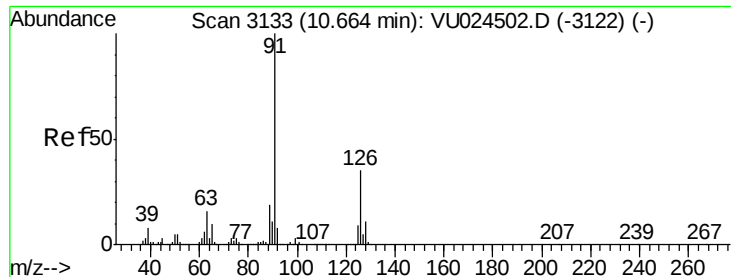
120 24.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.510 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

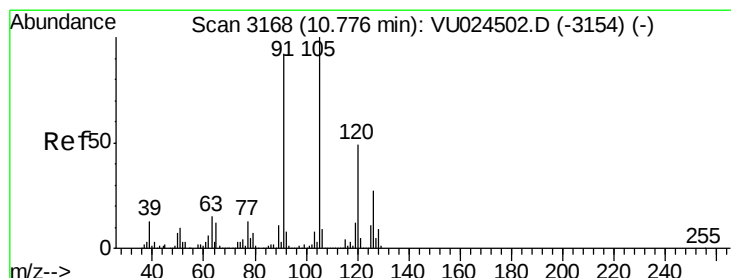
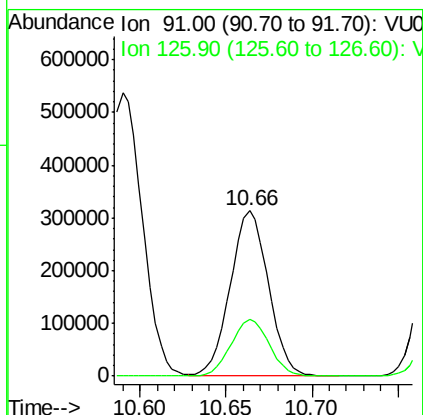
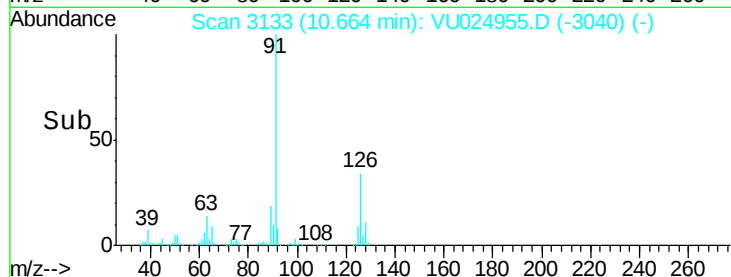
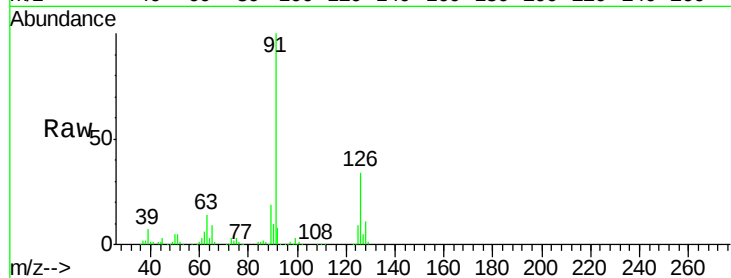
VSTDCCC050

Tgt Ion: 91 Resp: 481597

Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 53.096 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024955.D

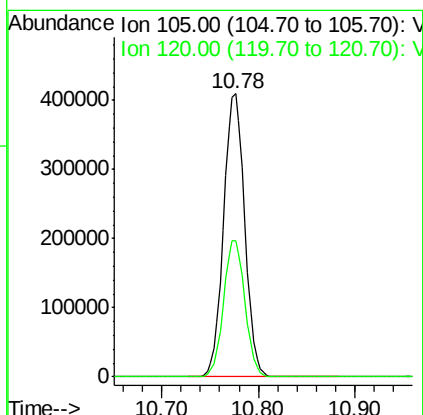
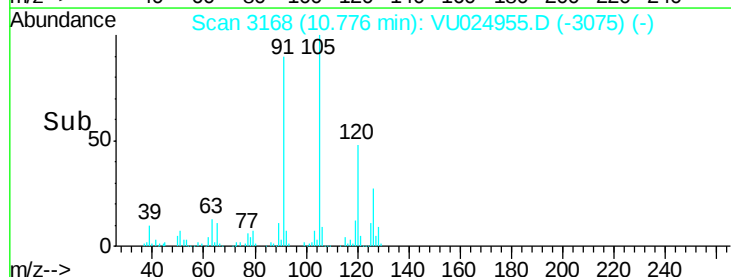
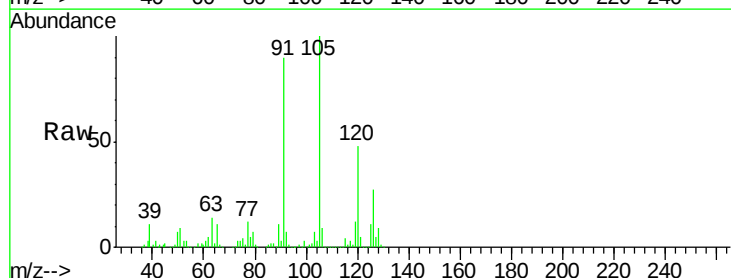
Acq: 27 Jun 2018 10:11

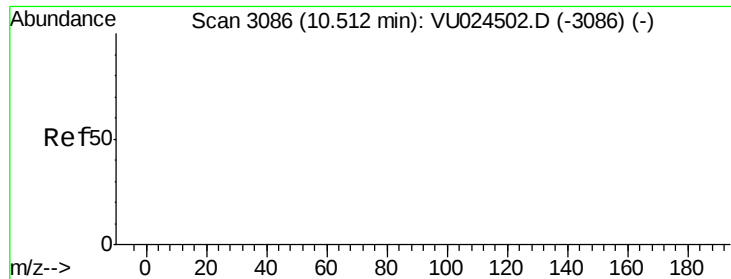
Tgt Ion: 105 Resp: 619388

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2

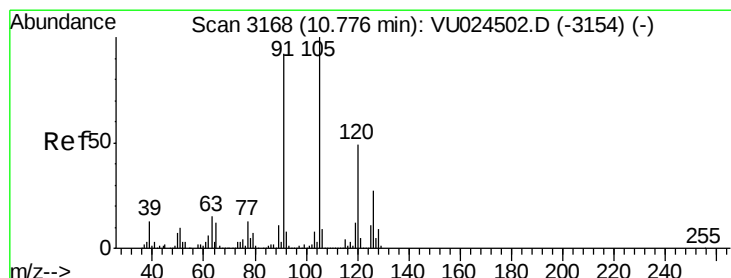
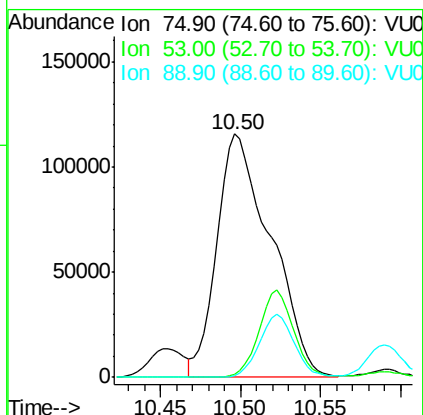
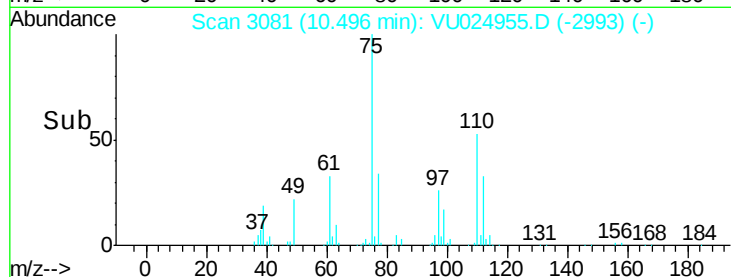
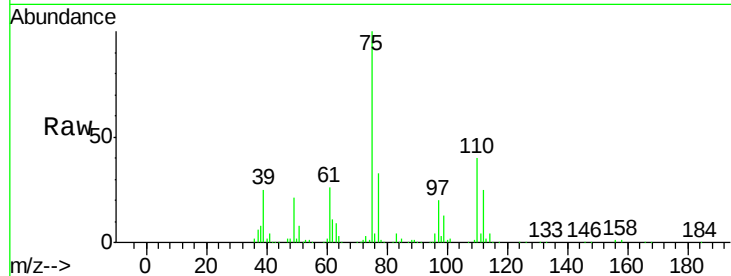




#81
trans-1,4-Dichloro-2-butene
Concen: 160.307 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

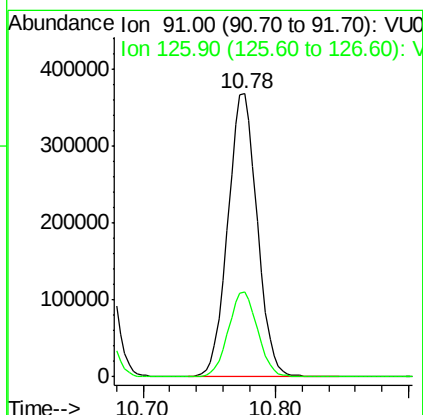
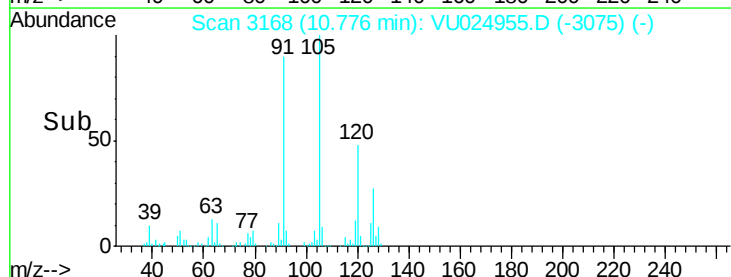
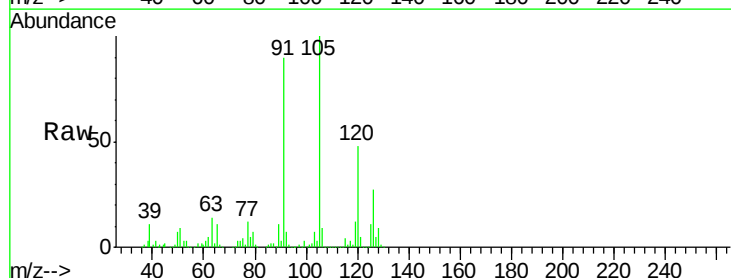
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 267324
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 51.793 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 91 Resp: 563607
Ion Ratio Lower Upper
91 100
126 30.1 14.9 44.9

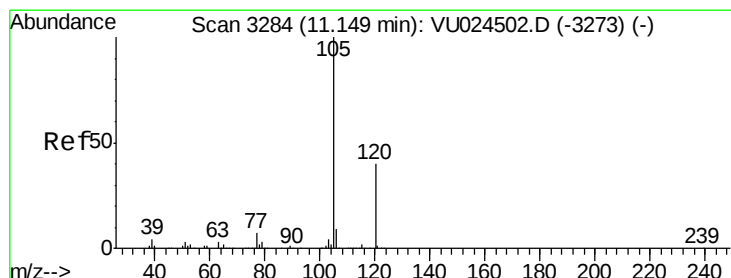
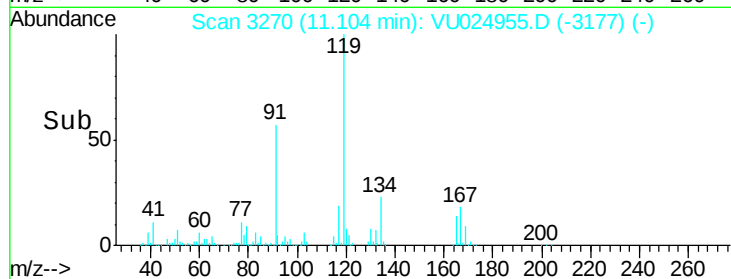
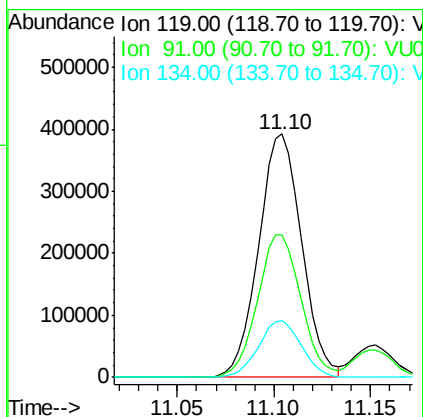
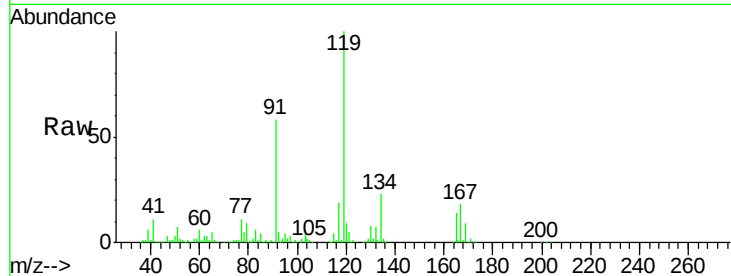




#83
 tert-Butylbenzene
 Concen: 54.173 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

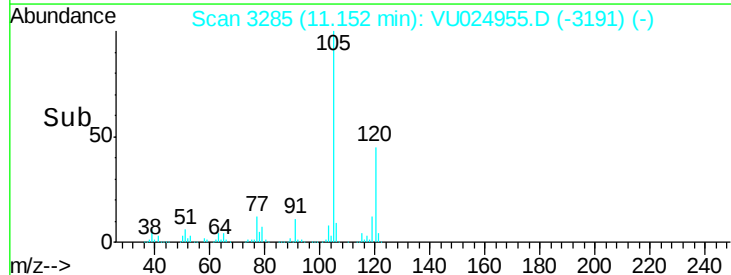
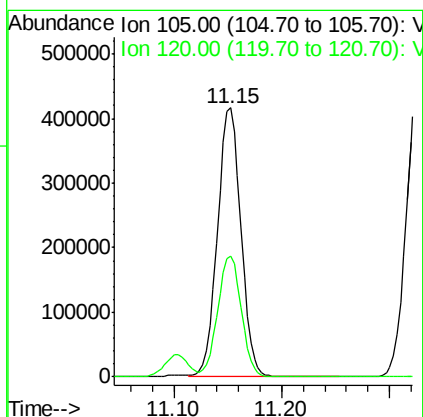
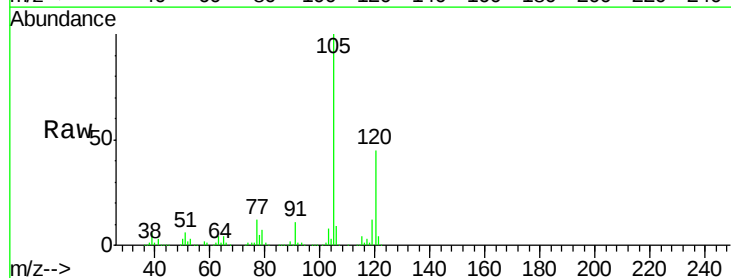
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

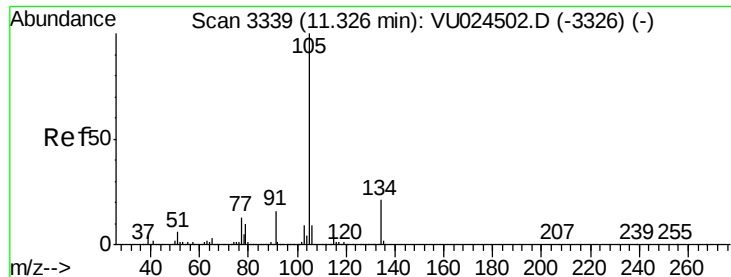
Tgt Ion:119 Resp: 607887
 Ion Ratio Lower Upper
 119 100
 91 59.1 29.7 89.1
 134 23.1 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 52.771 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:105 Resp: 627344
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.8

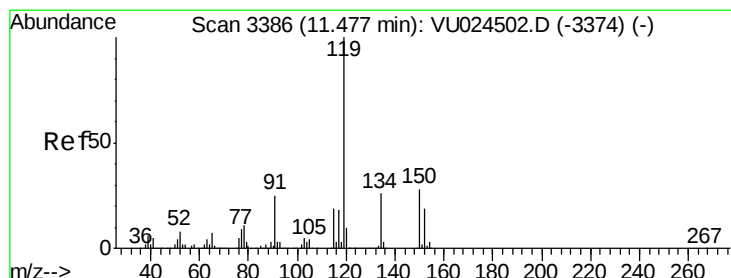
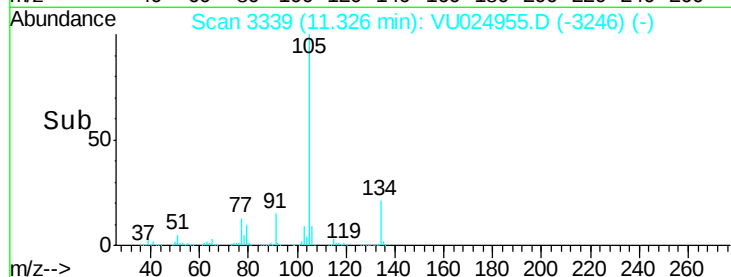
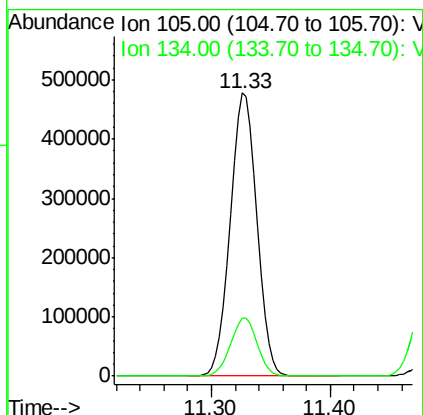
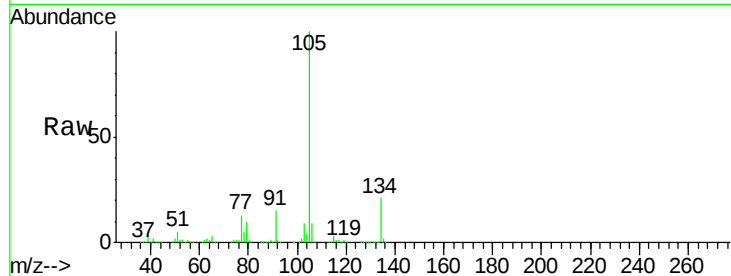




#85
 sec-Butylbenzene
 Concen: 52.772 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

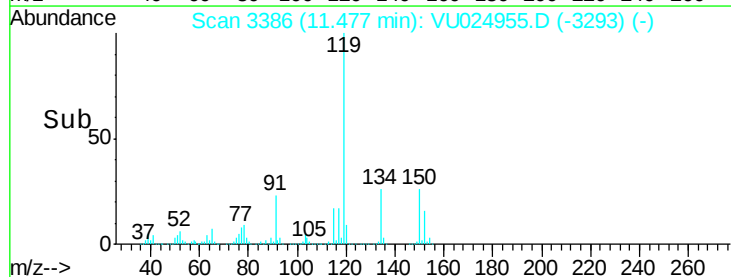
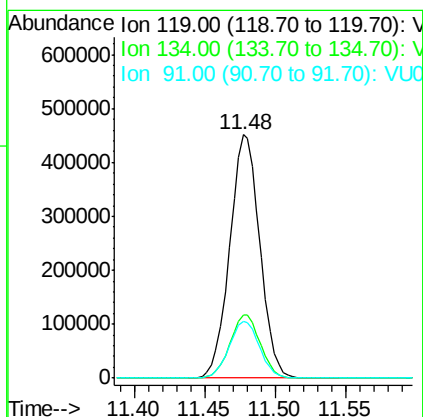
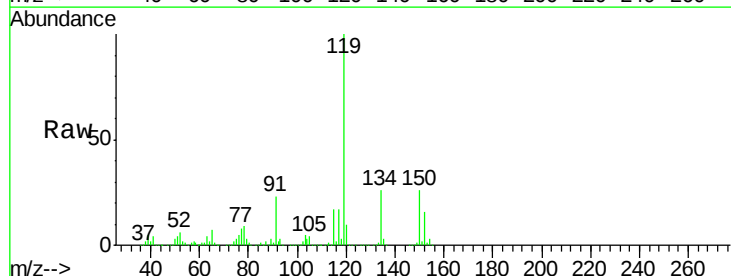
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 741230
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 53.334 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:119 Resp: 670930
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.9 38.6
 91 23.5 12.0 36.1

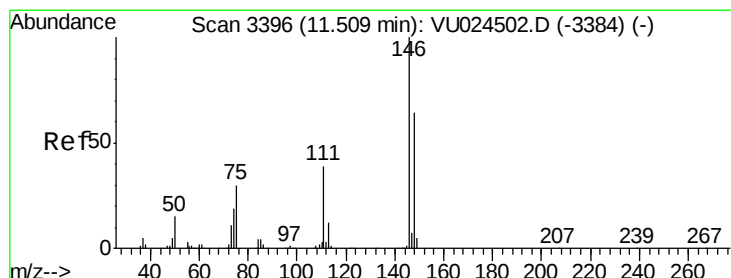
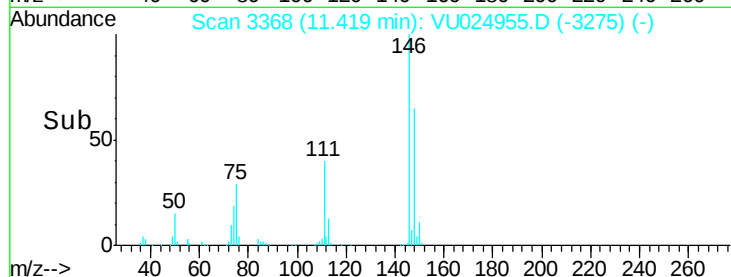
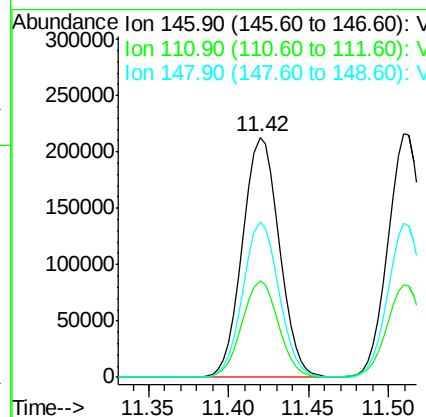
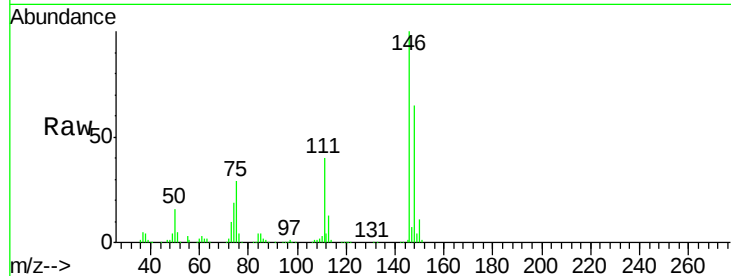




#87
 1,3-Dichlorobenzene
 Concen: 53.058 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

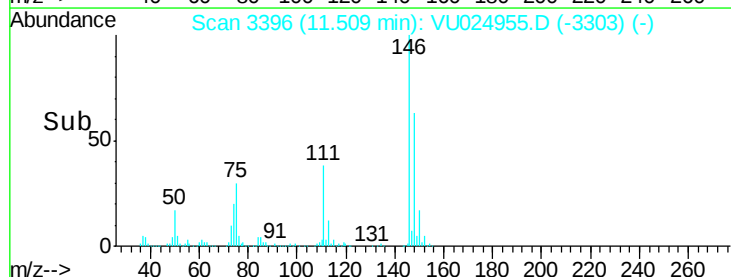
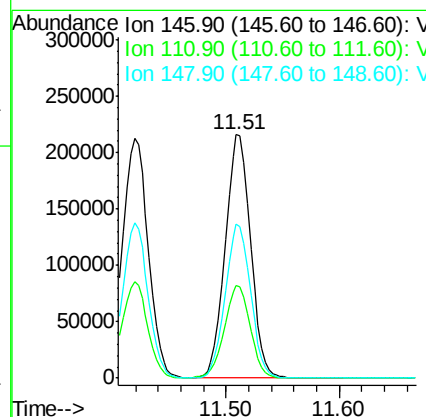
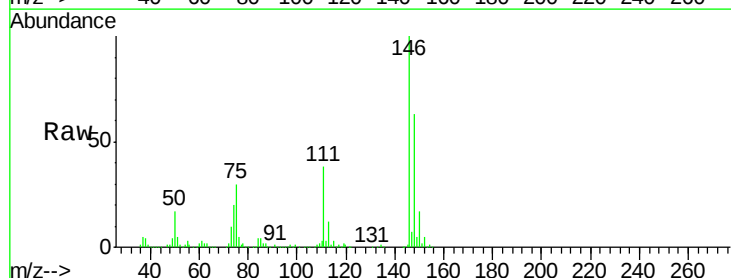
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 333999
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 63.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.095 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion:146 Resp: 336404
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.5 58.5
 148 63.2 32.4 97.0





#89

n-Butylbenzene

Concen: 51.322 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

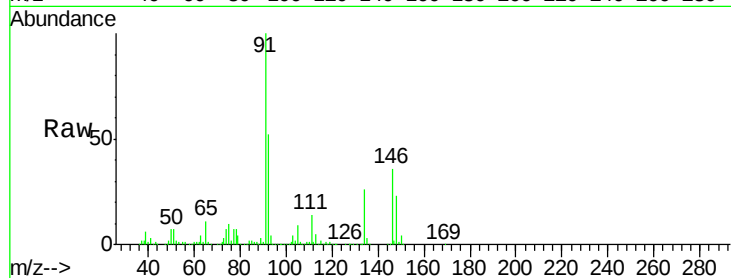
Tgt Ion: 91 Resp: 573189

Ion Ratio Lower Upper

91 100

92 52.2 25.6 76.8

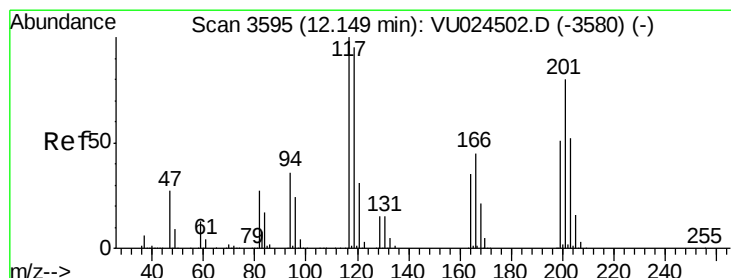
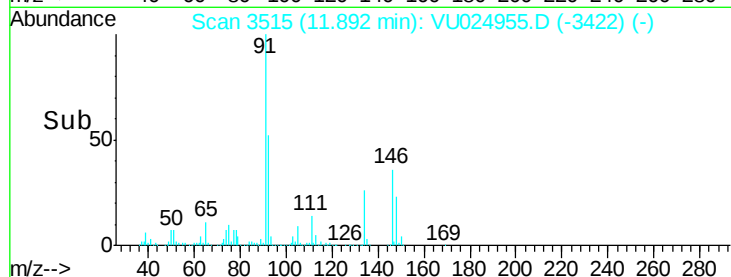
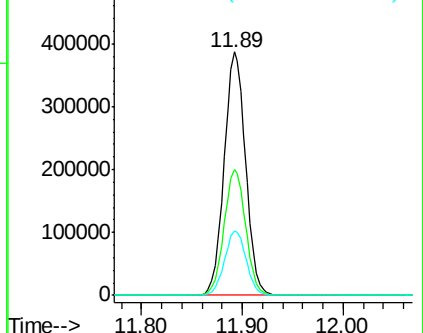
134 26.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU024955.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU024955.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU024955.D (-3422) (-)



#90

Hexachloroethane

Concen: 47.893 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024955.D

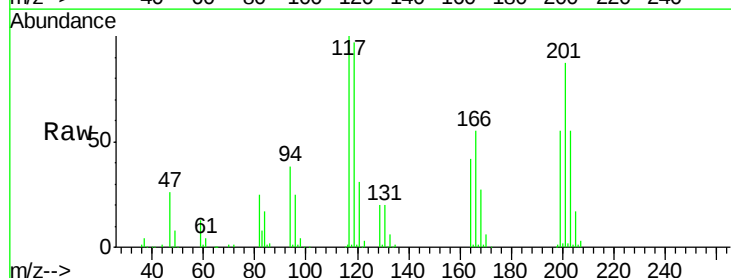
Acq: 27 Jun 2018 10:11

Tgt Ion: 117 Resp: 117531

Ion Ratio Lower Upper

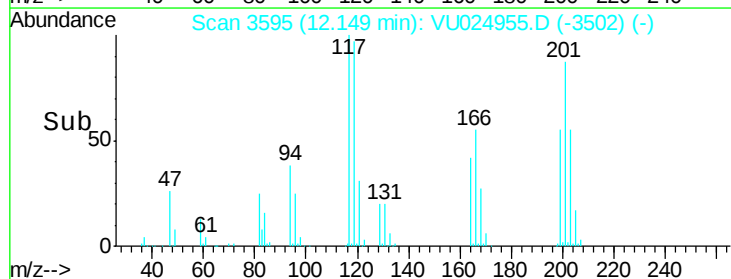
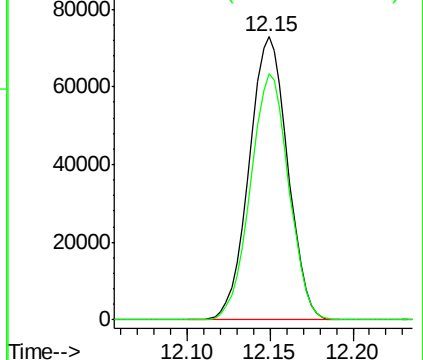
117 100

201 86.4 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024955.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU024955.D (-3502) (-)





#91

1,2-Dichlorobenzene

Concen: 53.467 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

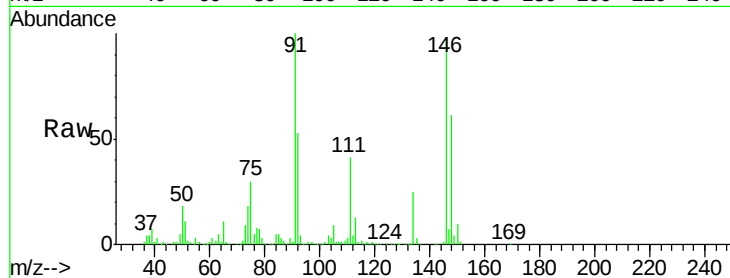
Tgt Ion:146 Resp: 337118

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

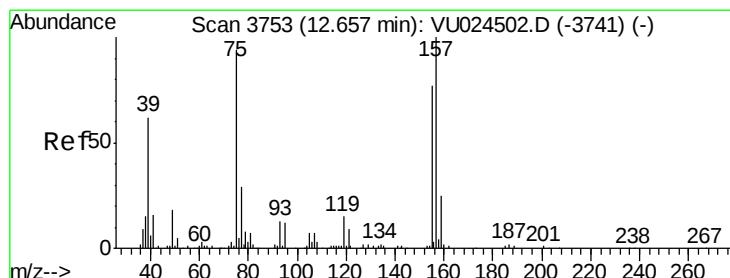
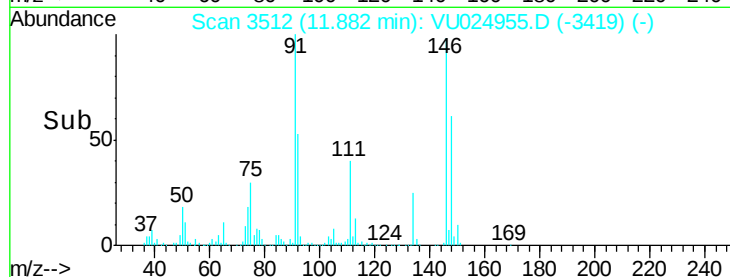
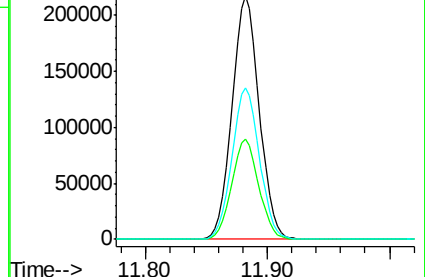
148 62.9 31.9 95.7



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: 46.964 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

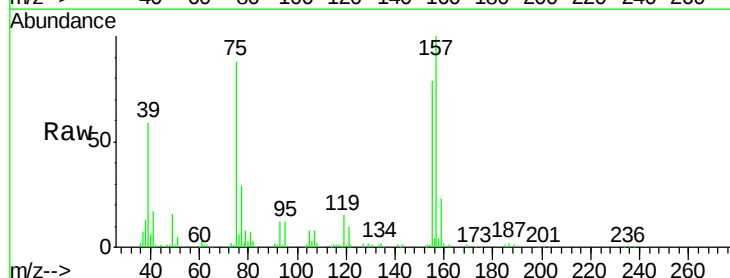
Tgt Ion: 75 Resp: 58445

Ion Ratio Lower Upper

75 100

155 88.1 40.4 121.2

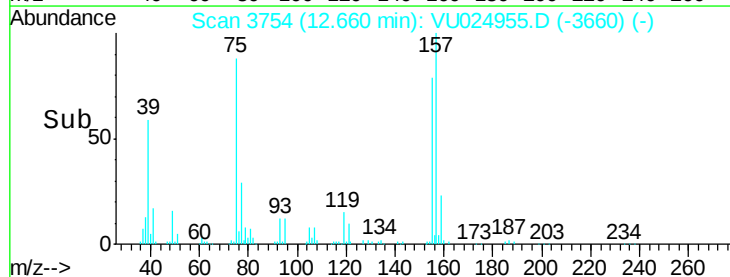
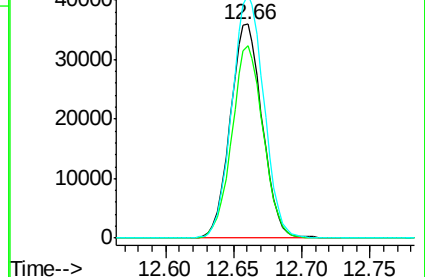
157 113.3 52.3 156.8



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

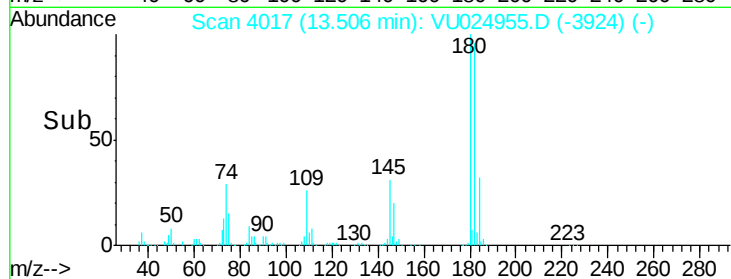
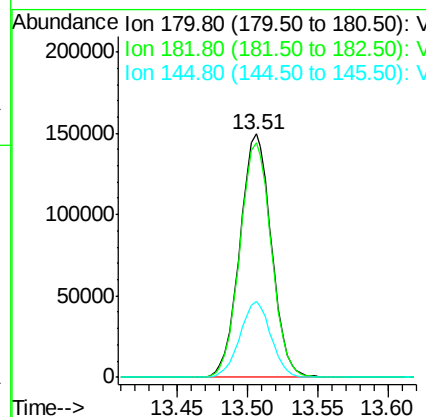
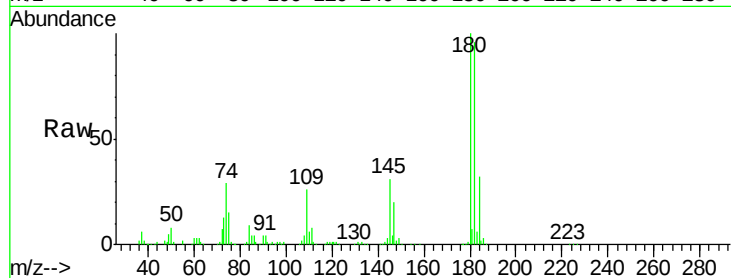




#93
 1,2,4-Trichlorobenzene
 Concen: 60.223 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

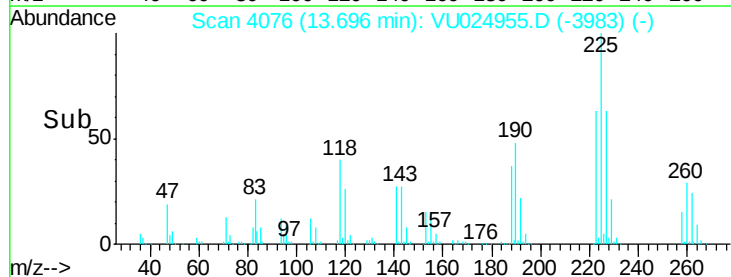
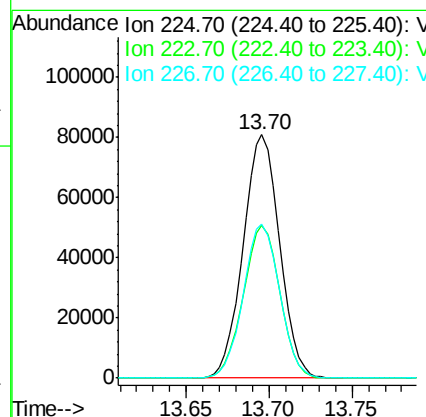
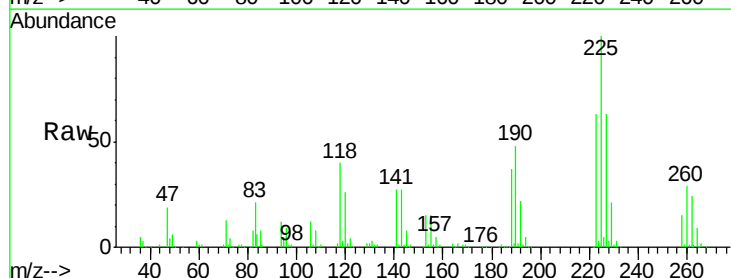
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.2
145	30.7	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 56.650 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.8
227	63.0	31.8	95.4





#95

Naphthalene

Concen: 56.680 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

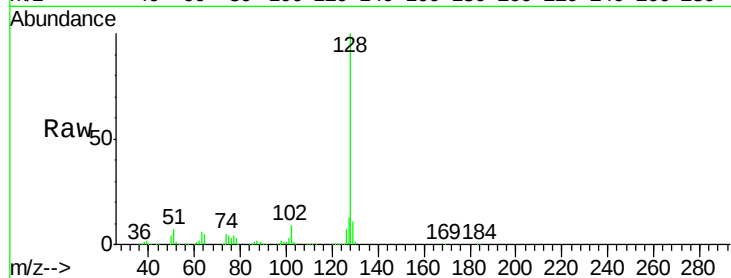
Tgt Ion:128 Resp: 731776

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

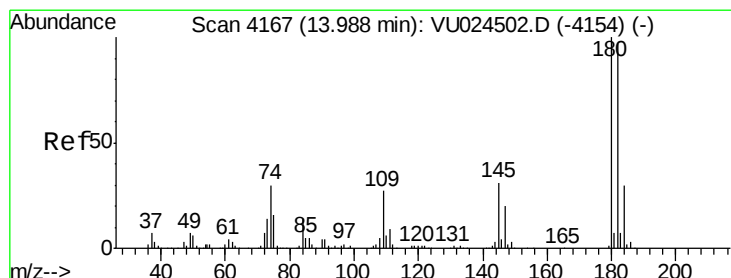
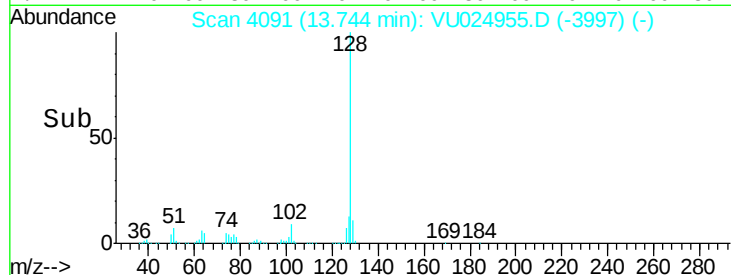
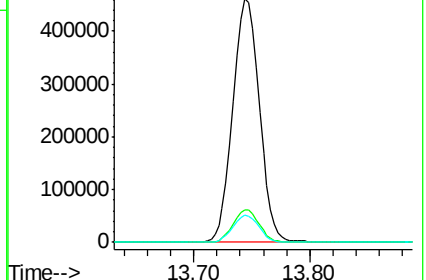
129 11.0 8.6 12.8



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: 62.246 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

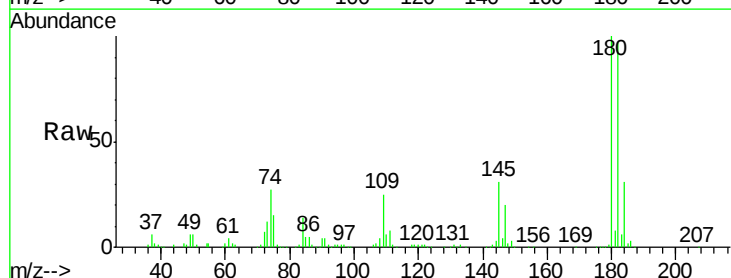
Tgt Ion:180 Resp: 241498

Ion Ratio Lower Upper

180 100

182 98.3 47.9 143.7

145 32.3 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

