

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024709.D
 Acq On : 18 Jun 2018 22:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 19 05:17:08 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	156668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	250248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144782	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	123656	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	4.89	113	103994	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.57	98	382290	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.31	95	147251	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	78759	40.163	ug/l 99
3) Chloromethane	1.33	50	95706	47.771	ug/l 100
4) Vinyl Chloride	1.40	62	98103	47.482	ug/l 98
5) Bromomethane	1.62	94	55238	55.305	ug/l 97
6) Chloroethane	1.69	64	64434	55.935	ug/l 98
7) Trichlorofluoromethane	1.89	101	155106	49.192	ug/l 96
8) Diethyl Ether	2.10	74	60881	57.000	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85508	43.712	ug/l 98
10) Methyl Iodide	2.41	142	83332	50.301	ug/l 97
11) Tert butyl alcohol	2.82	59	149536	240.396	ug/l 100
12) 1,1-Dichloroethene	2.28	96	82398	46.190	ug/l 90
13) Acrolein	2.19	56	41910	128.303	ug/l 99
14) Allyl chloride	2.59	41	130076	39.271	ug/l 93
15) Acrylonitrile	2.93	53	332166	274.460	ug/l 98
16) Acetone	2.32	43	283227	206.101	ug/l 97
17) Carbon Disulfide	2.48	76	232663	40.732	ug/l 99
18) Methyl Acetate	2.61	43	182039	61.791	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	329826	49.186	ug/l 97
20) Methylene Chloride	2.70	84	101476	47.062	ug/l 97
21) trans-1,2-Dichloroethene	2.99	96	90856	46.242	ug/l 94
22) Diisopropyl ether	3.57	45	328951	50.099	ug/l 98
23) Vinyl Acetate	3.53	43	1355996	230.543	ug/l 99
24) 1,1-Dichloroethane	3.45	63	182588	48.339	ug/l 99
25) 2-Butanone	4.26	43	475253	257.466	ug/l 97
26) 2,2-Dichloropropane	4.23	77	62282	17.365	ug/l 91
27) cis-1,2-Dichloroethene	4.23	96	110856	49.077	ug/l 89
28) Bromochloromethane	4.55	49	82260	49.443	ug/l 88
29) Tetrahydrofuran	4.63	42	307159	268.708	ug/l 97
30) Chloroform	4.68	83	188261	49.242	ug/l 99
31) Cyclohexane	5.00	56	163365	48.650	ug/l 99
32) 1,1,1-Trichloroethane	4.92	97	164695	46.585	ug/l 97
36) 1,1-Dichloropropene	5.14	75	129510	44.042	ug/l 97
37) Ethyl Acetate	4.38	43	173120	54.015	ug/l 96
38) Carbon Tetrachloride	5.14	117	148593	45.952	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	156592	42.672	ug/l	94
40) Benzene	5.39	78	406143	48.471	ug/l	99
41) Methacrylonitrile	4.54	41	96311	55.734	ug/l	98
42) 1,2-Dichloroethane	5.41	62	151237	47.390	ug/l	98
43) Isopropyl Acetate	5.55	43	281265	50.769	ug/l	98
44) Trichloroethene	6.19	130	111412	46.720	ug/l	91
45) 1,2-Dichloropropane	6.44	63	113093	50.584	ug/l	98
46) Dibromomethane	6.56	93	79703	50.753	ug/l	97
47) Bromodichloromethane	6.76	83	152215	48.675	ug/l	98
48) Methyl methacrylate	6.62	41	139791	51.819	ug/l	99
49) 1,4-Dioxane	6.61	88	58347	1105.965	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	933521	268.210	ug/l	98
52) Toluene	7.64	92	260165	48.261	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	147867	42.106	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	152050	40.633	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112645	51.405	ug/l	98
56) Ethyl methacrylate	8.02	69	189413	51.644	ug/l	99
57) 1,3-Dichloropropane	8.25	76	188272	50.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	427568	304.295	ug/l	97
59) 2-Hexanone	8.36	43	750734	264.199	ug/l	100
60) Dibromochloromethane	8.48	129	129544	47.407	ug/l	100
61) 1,2-Dibromoethane	8.59	107	124774	51.158	ug/l	99
64) Tetrachloroethene	8.23	164	115459	49.783	ug/l	98
65) Chlorobenzene	9.12	112	296773	47.612	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	115050	48.584	ug/l	98
67) Ethyl Benzene	9.25	91	507924	46.483	ug/l	97
68) m/p-Xylenes	9.38	106	396888	94.587	ug/l	95
69) o-Xylene	9.78	106	199966	48.154	ug/l	96
70) Styrene	9.80	104	328179	48.091	ug/l	99
71) Bromoform	9.96	173	106910	47.498	ug/l #	98
73) Isopropylbenzene	10.17	105	528144	47.513	ug/l	98
74) N-amyl acetate	10.01	43	263580	49.853	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	195834	52.574	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	210309	65.978	ug/l	85
77) Bromobenzene	10.45	156	138248	49.127	ug/l	94
78) n-propylbenzene	10.59	91	604572	46.171	ug/l	99
79) 2-Chlorotoluene	10.66	91	364072	47.148	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	453537	47.074	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	210309	152.700	ug/l #	100
82) 4-Chlorotoluene	10.78	91	419345	46.658	ug/l	99
83) tert-Butylbenzene	11.10	119	443013	47.802	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	468875	47.754	ug/l	99
85) sec-Butylbenzene	11.33	105	545262	47.002	ug/l	97
86) p-Isopropyltoluene	11.48	119	478789	46.083	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	246873	47.484	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	251401	48.043	ug/l	99
89) n-Butylbenzene	11.89	91	395037	42.826	ug/l	97
90) Hexachloroethane	12.15	117	89590	44.203	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	259867	49.902	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52611	51.187	ug/l	90

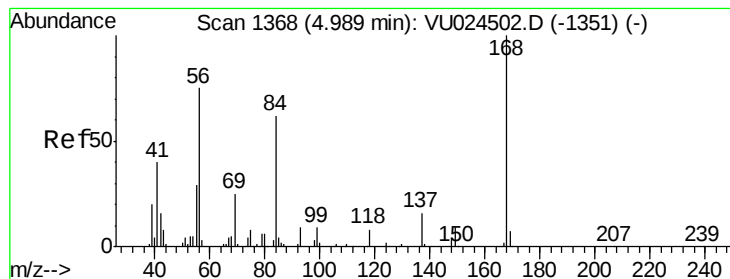
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	169672	52.763	ug/l	100
94) Hexachlorobutadiene	13.70	225	78544	43.394	ug/l	98
95) Naphthalene	13.74	128	600623	56.331	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180577	56.354	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

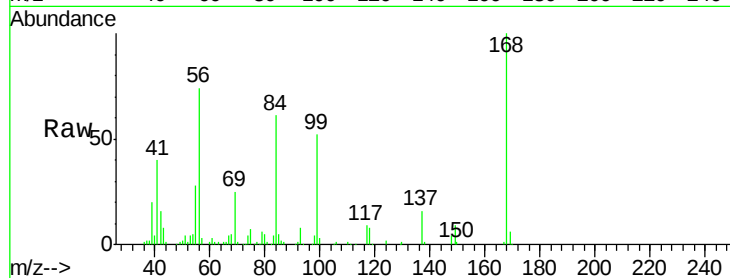
VSTDCCC050

Tgt Ion:168 Resp: 156668

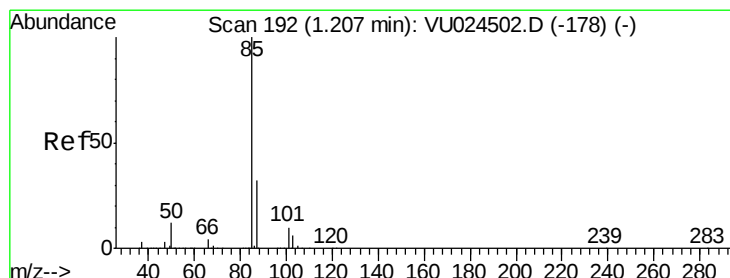
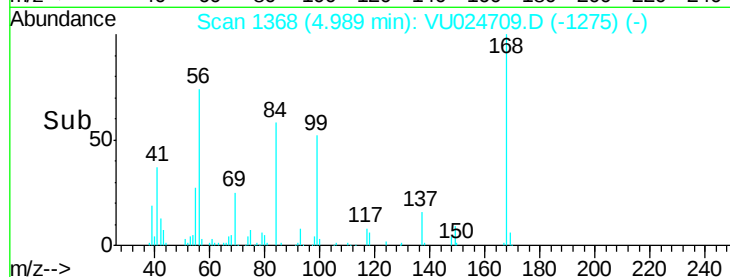
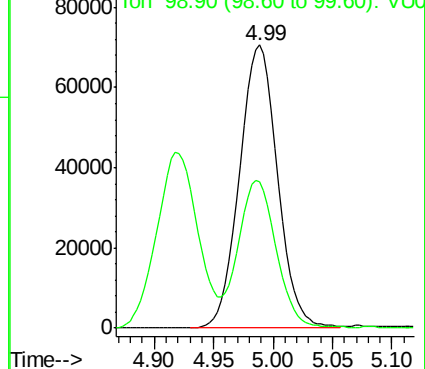
Ion Ratio Lower Upper

168 100

99 51.1 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 40.163 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024709.D

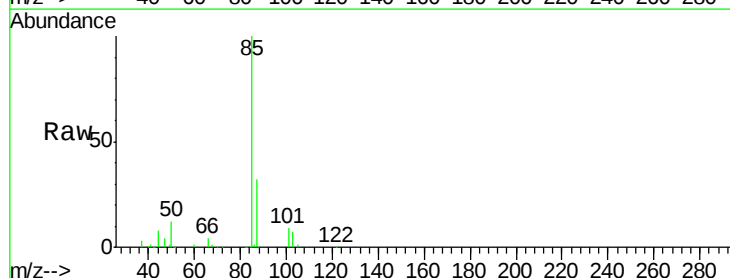
Acq: 18 Jun 2018 22:41

Tgt Ion: 85 Resp: 78759

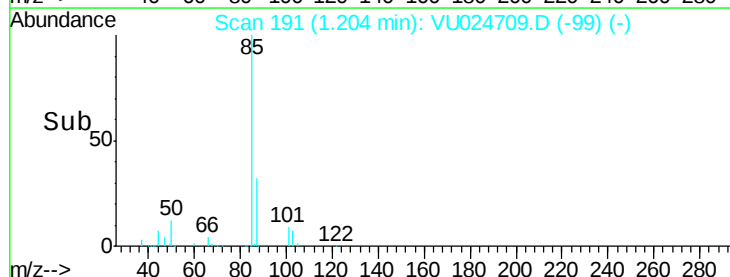
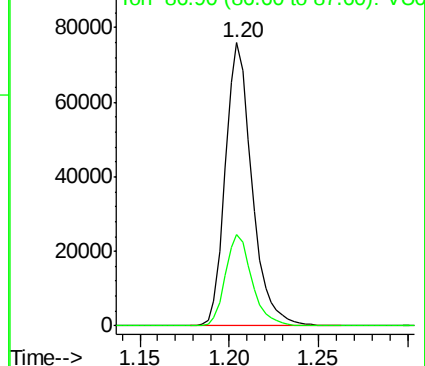
Ion Ratio Lower Upper

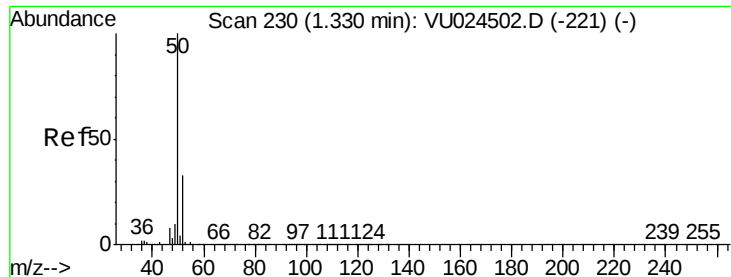
85 100

87 32.4 16.1 48.2



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





#3

Chloromethane

Concen: 47.771 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

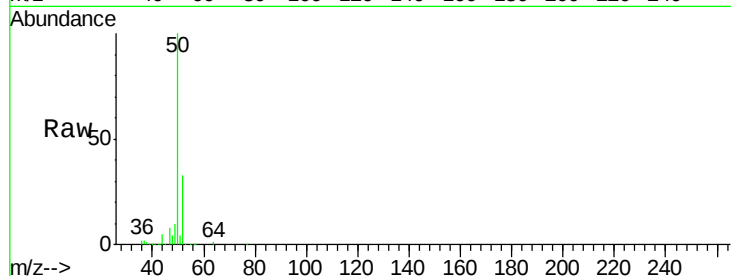
VSTDCCC050

Tgt Ion: 50 Resp: 95706

Ion Ratio Lower Upper

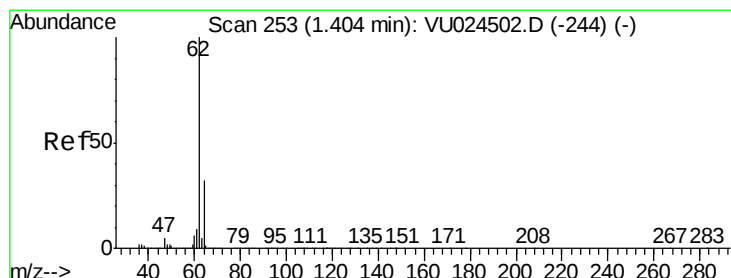
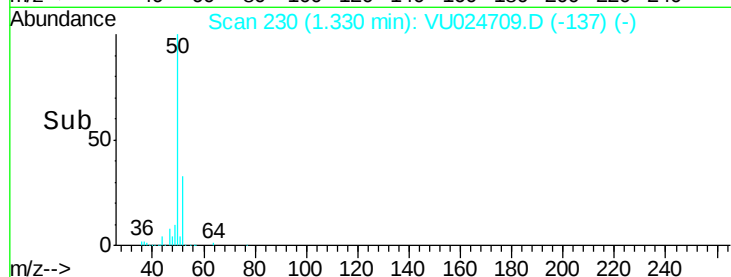
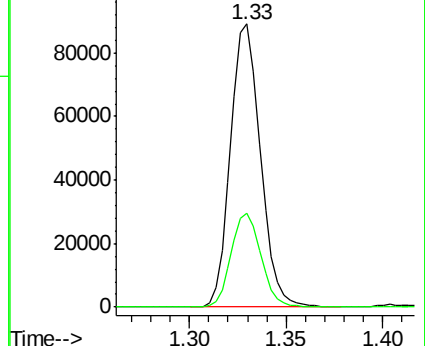
50 100

52 33.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024709.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024709.D (-137) (-)



#4

Vinyl Chloride

Concen: 47.482 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024709.D

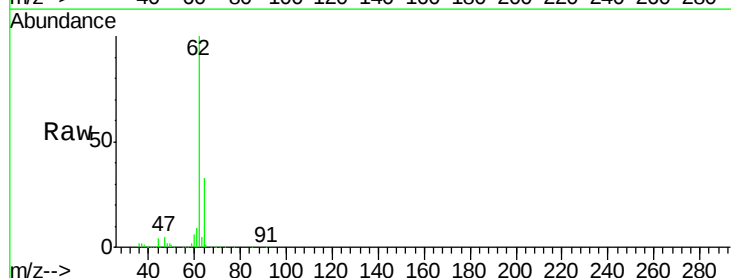
Acq: 18 Jun 2018 22:41

Tgt Ion: 62 Resp: 98103

Ion Ratio Lower Upper

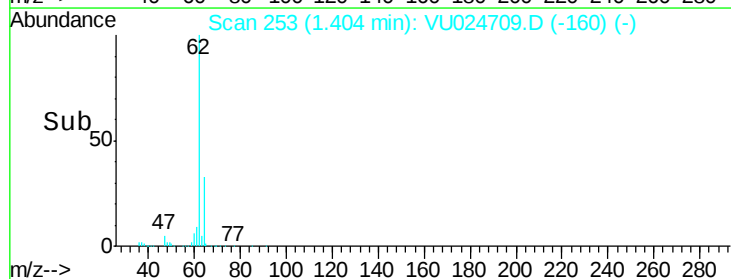
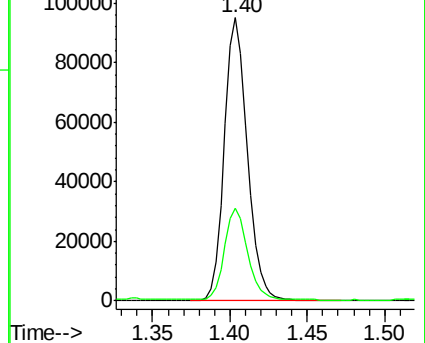
62 100

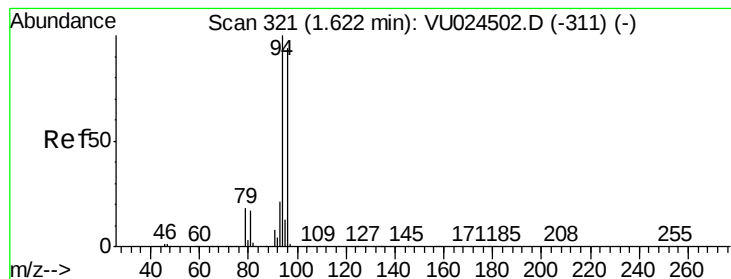
64 32.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024709.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU024709.D (-160) (-)





#5

Bromomethane

Concen: 55.305 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

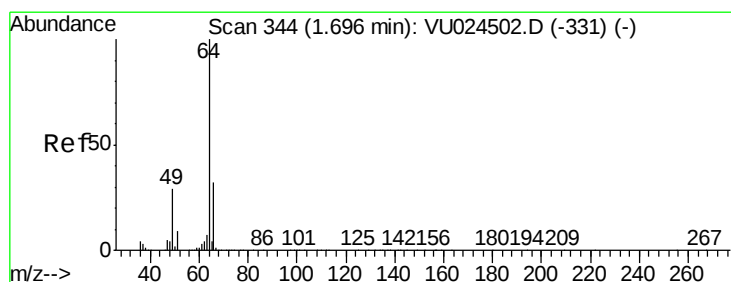
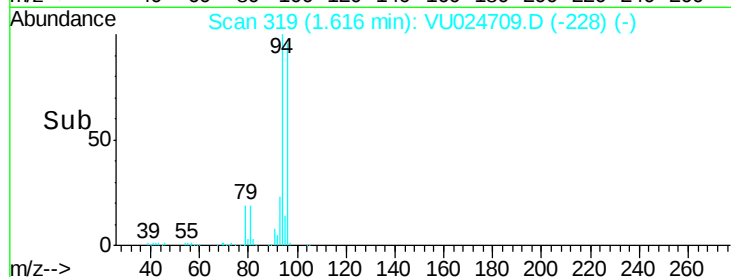
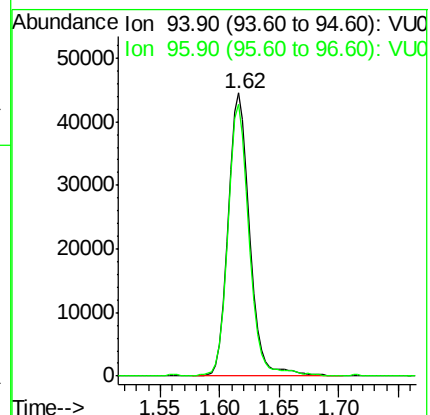
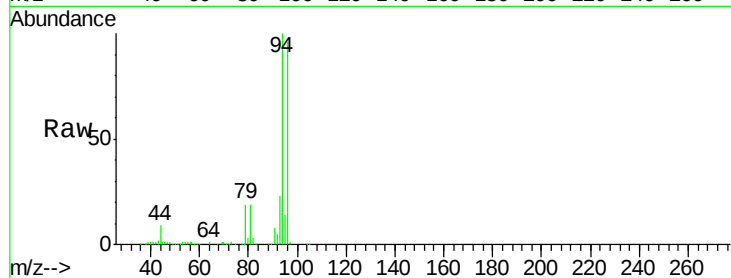
VSTDCCC050

Tgt Ion: 94 Resp: 55238

Ion Ratio Lower Upper

94 100

96 96.1 74.5 111.7



#6

Chloroethane

Concen: 55.935 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024709.D

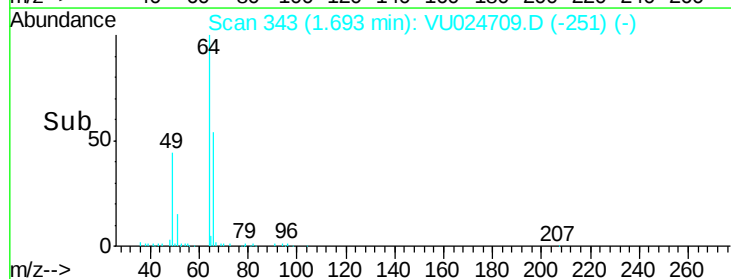
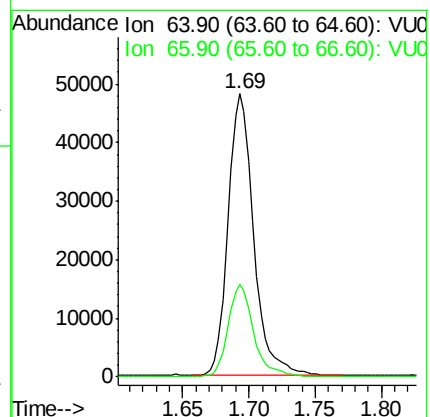
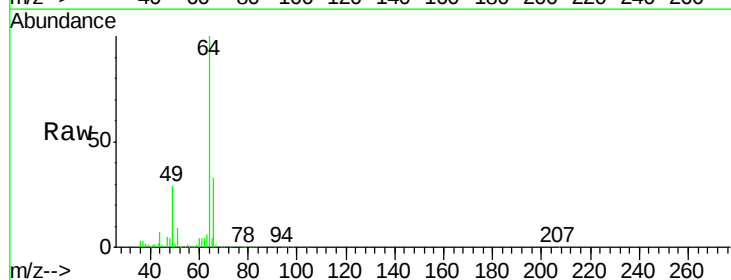
Acq: 18 Jun 2018 22:41

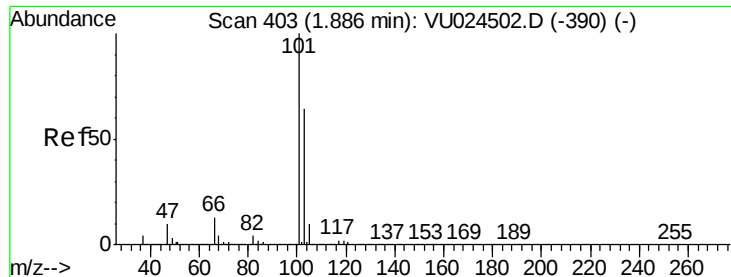
Tgt Ion: 64 Resp: 64434

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3



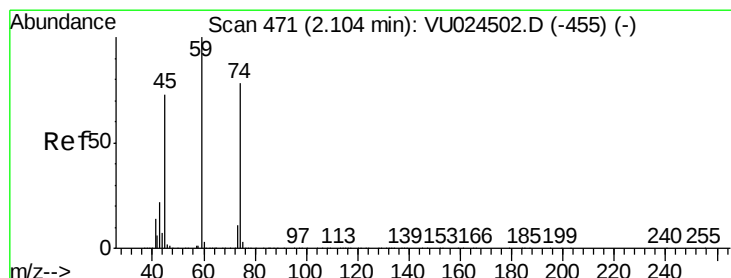
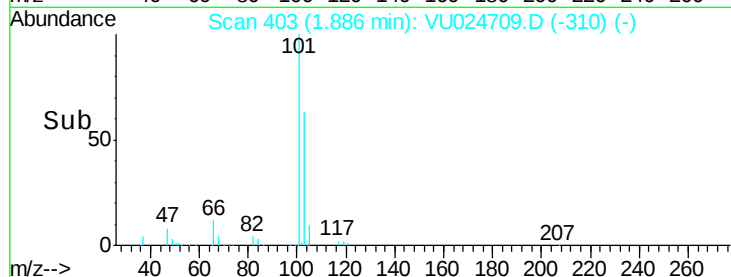
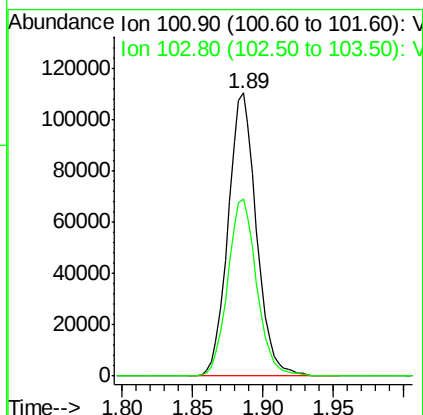
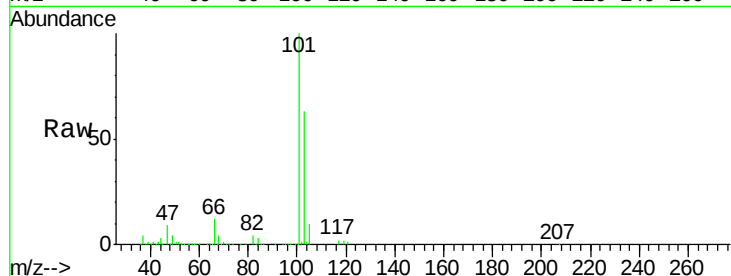


#7

Trichlorofluoromethane
 Concen: 49.192 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
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 VSTDCCC050

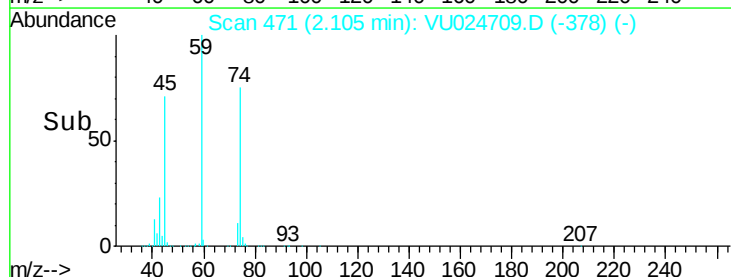
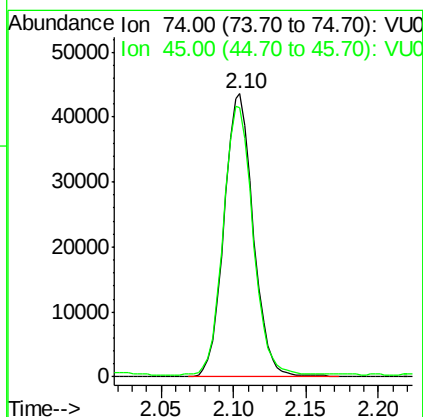
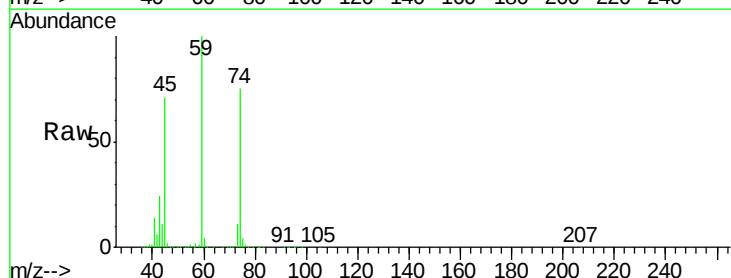
Tgt Ion:101 Resp: 155106
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.3 78.5

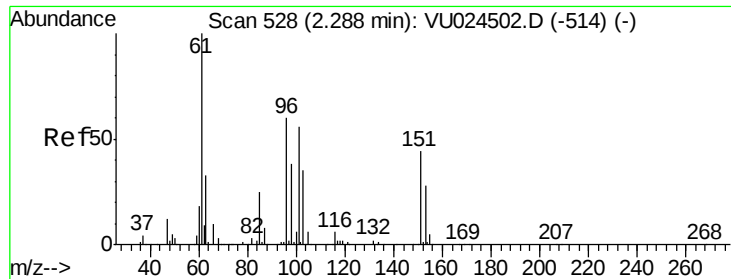


#8

Diethyl Ether
 Concen: 57.000 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion: 74 Resp: 60881
 Ion Ratio Lower Upper
 74 100
 45 96.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.712 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

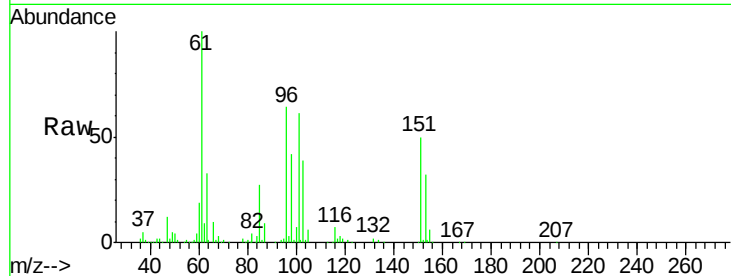
Tgt Ion:101 Resp: 85508

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

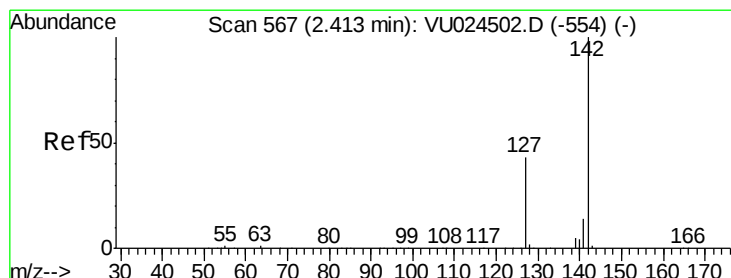
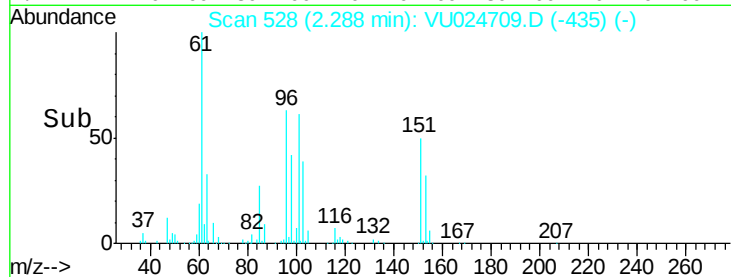
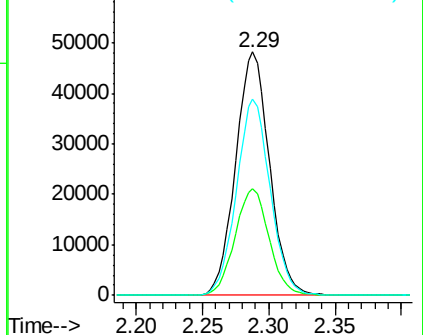
151 80.3 62.3 93.5



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: 50.301 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

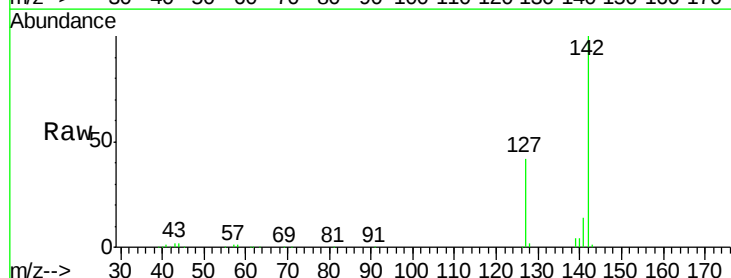
Tgt Ion:142 Resp: 83332

Ion Ratio Lower Upper

142 100

127 41.7 35.6 53.4

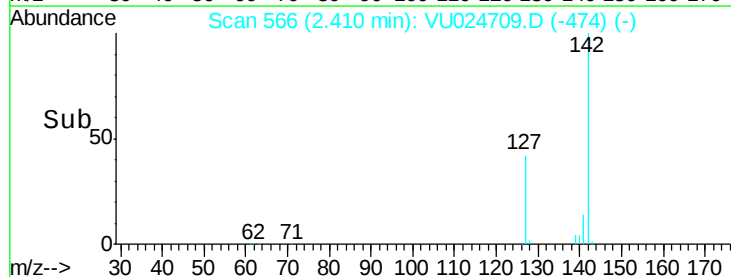
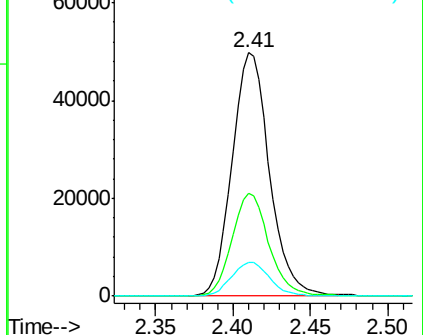
141 14.3 11.7 17.5

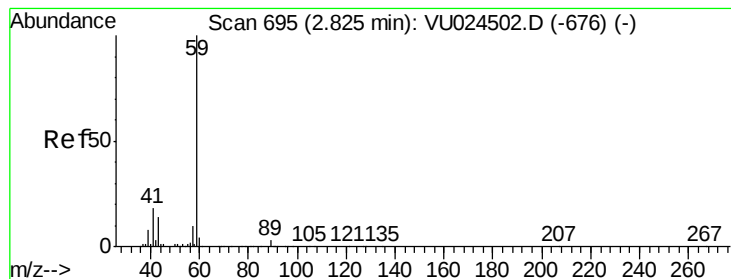


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



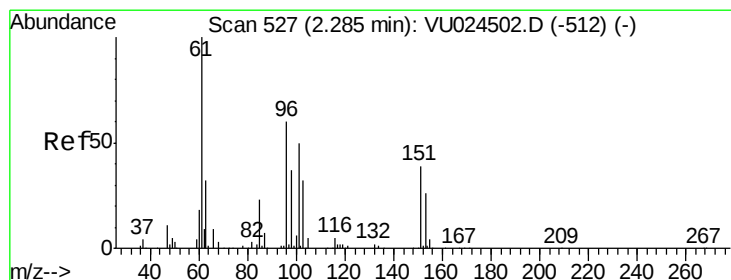
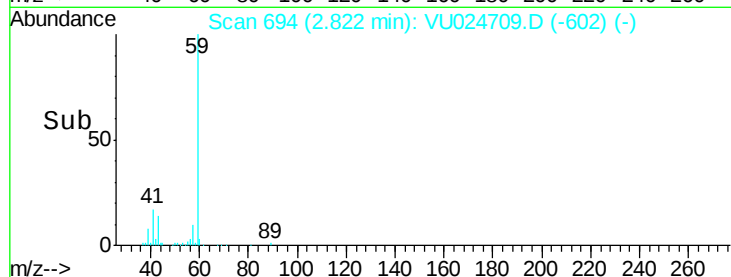
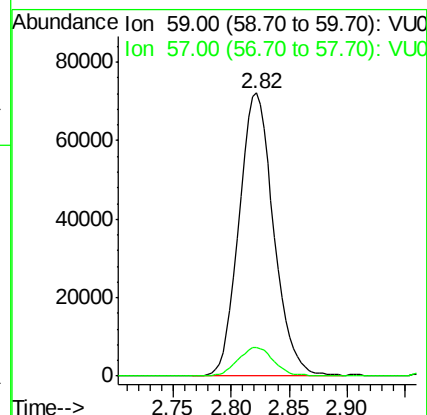
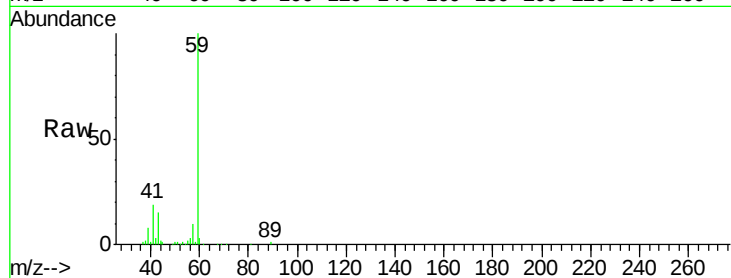


#11

Tert butyl alcohol
 Concen: 240.396 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

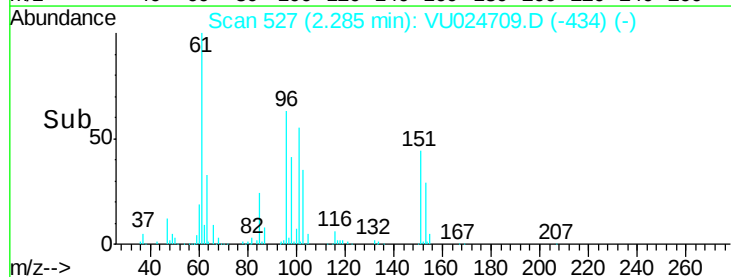
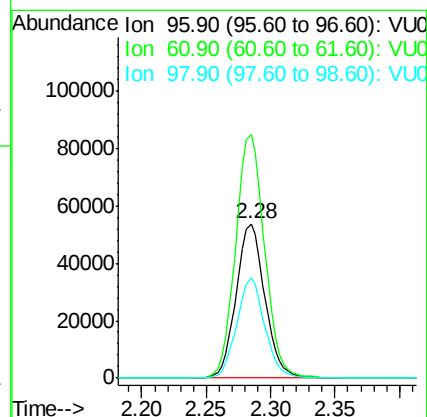
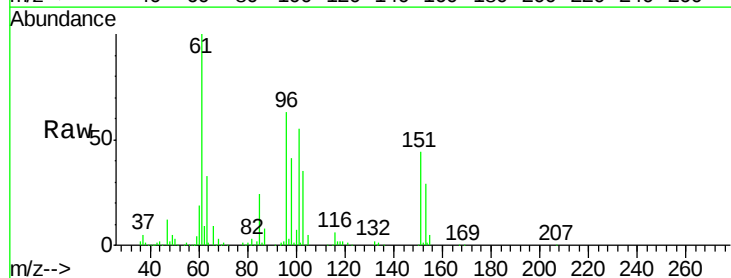
Tgt Ion: 59 Resp: 149536
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7

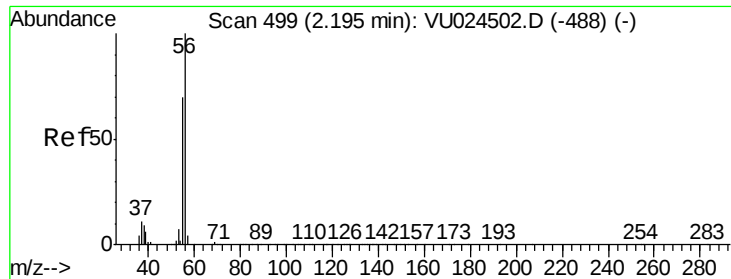


#12

1,1-Dichloroethene
 Concen: 46.190 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion: 96 Resp: 82398
 Ion Ratio Lower Upper
 96 100
 61 157.9 141.7 212.5
 98 65.1 51.6 77.4

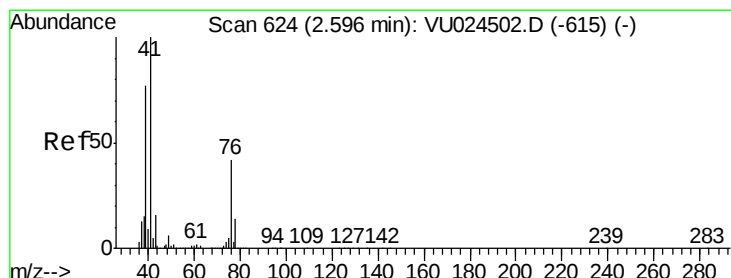
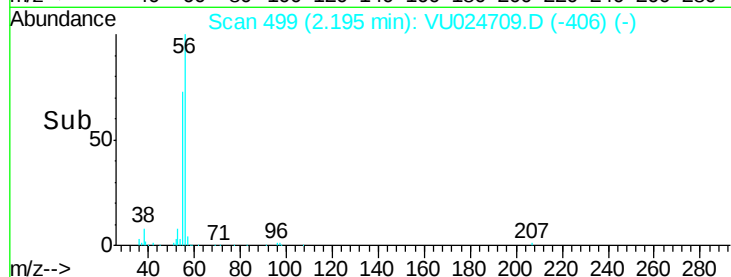
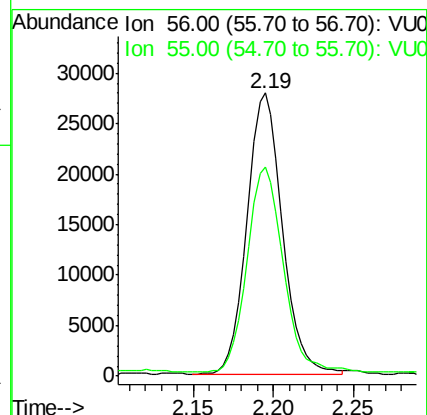
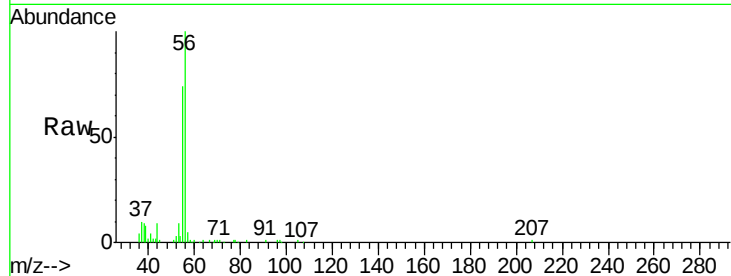




#13
Acrolein
Concen: 128.303 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

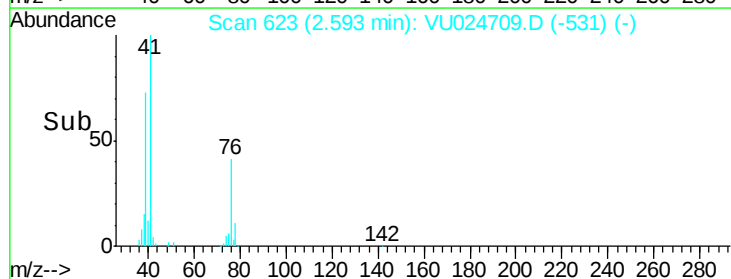
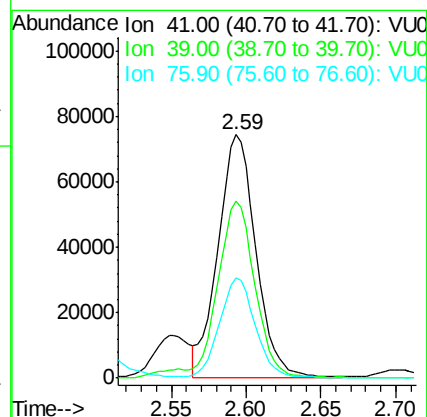
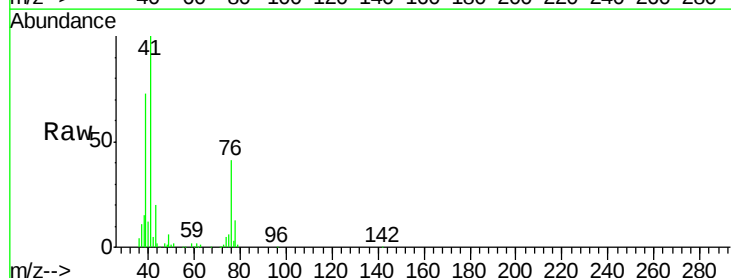
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

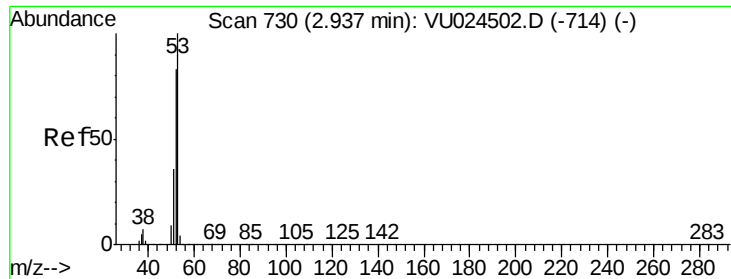
Tgt Ion: 56 Resp: 41910
Ion Ratio Lower Upper
56 100
55 74.1 58.4 87.6



#14
Allyl chloride
Concen: 39.271 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 41 Resp: 130076
Ion Ratio Lower Upper
41 100
39 70.1 61.6 92.4
76 39.4 29.7 44.5





#15

Acrylonitrile

Concen: 274.460 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

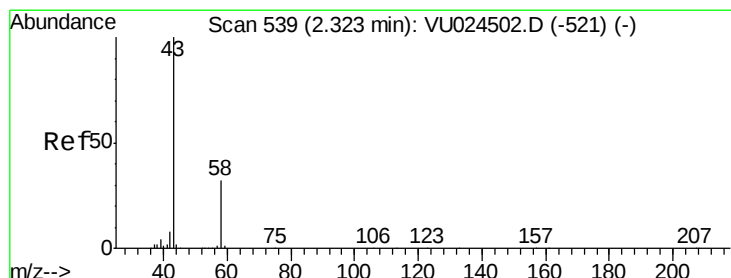
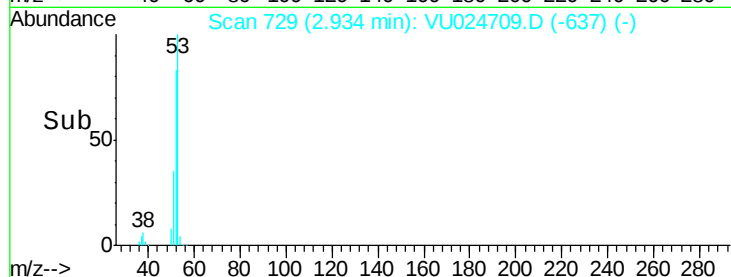
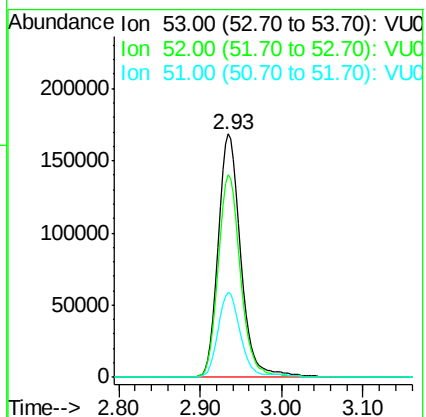
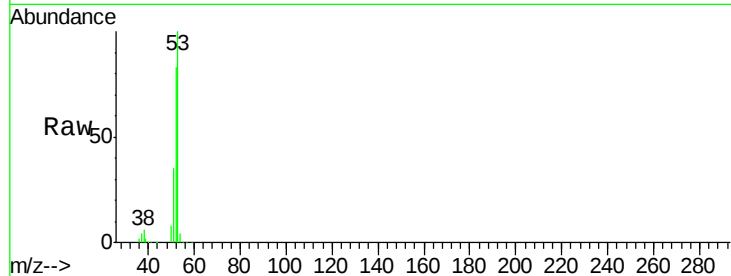
Tgt Ion: 53 Resp: 332166

Ion Ratio Lower Upper

53 100

52 82.4 67.1 100.7

51 34.7 28.4 42.6



#16

Acetone

Concen: 206.101 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024709.D

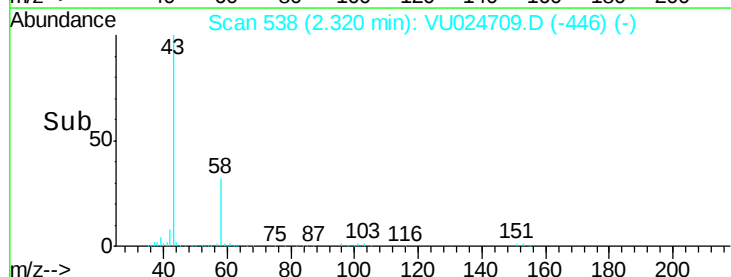
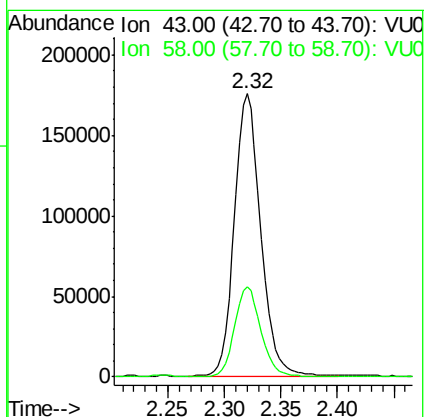
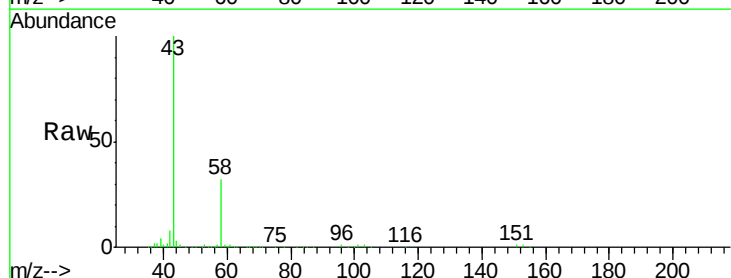
Acq: 18 Jun 2018 22:41

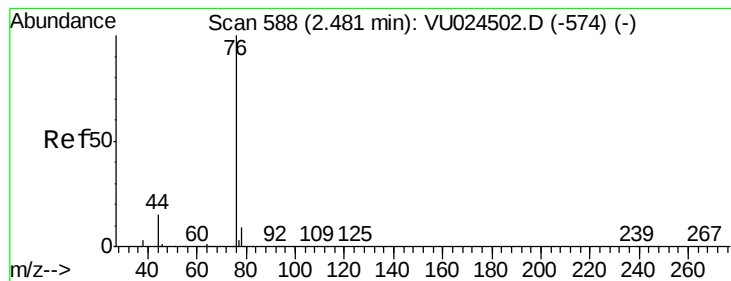
Tgt Ion: 43 Resp: 283227

Ion Ratio Lower Upper

43 100

58 31.9 24.4 36.6





#17

Carbon Disulfide

Concen: 40.732 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

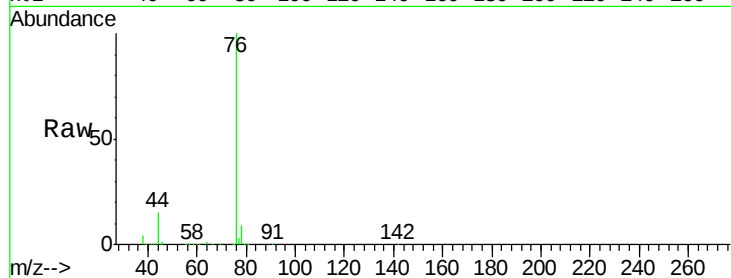
VSTDCCC050

Tgt Ion: 76 Resp: 232663

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU024502.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024502.D (-574) (-)

2.48

150000

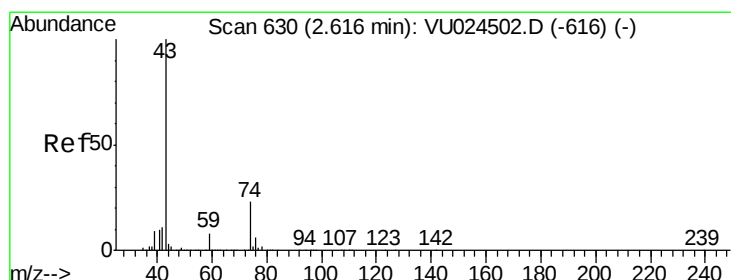
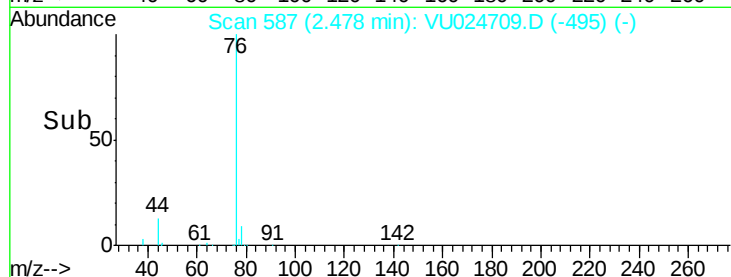
100000

50000

0

2.40 2.45 2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 61.791 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU024709.D

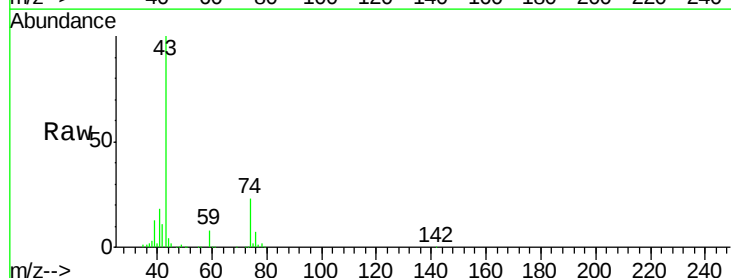
Acq: 18 Jun 2018 22:41

Tgt Ion: 43 Resp: 182039

Ion Ratio Lower Upper

43 100

74 23.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-616) (-)

Ion 74.00 (73.70 to 74.70): VU024502.D (-616) (-)

2.61

120000

100000

80000

60000

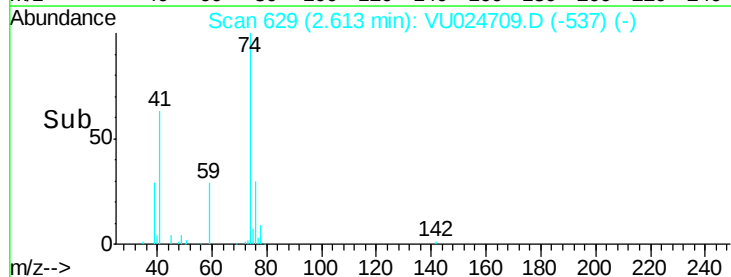
40000

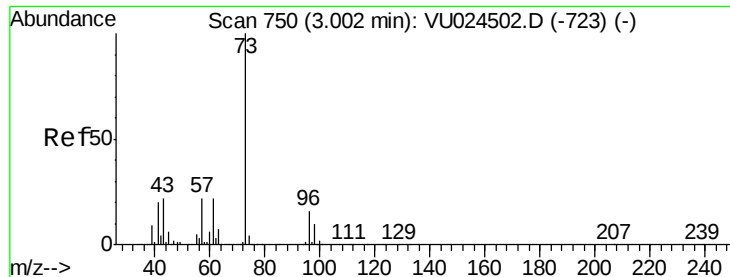
20000

0

2.55 2.60 2.65 2.70

Time-->

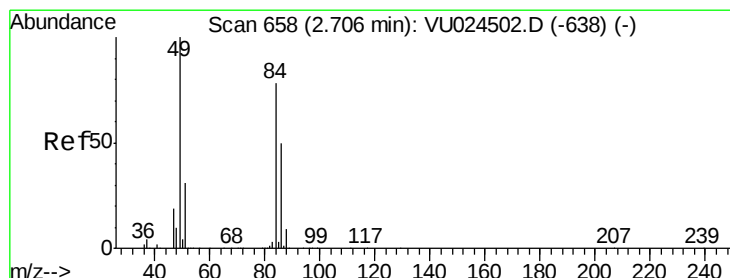
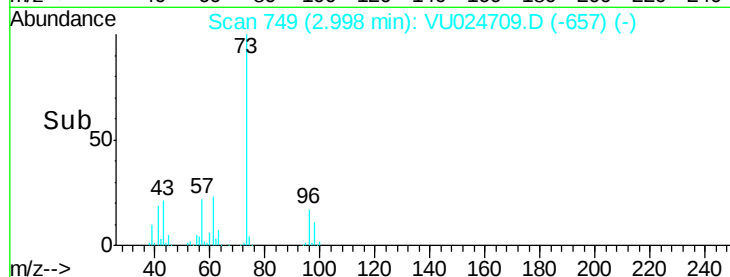
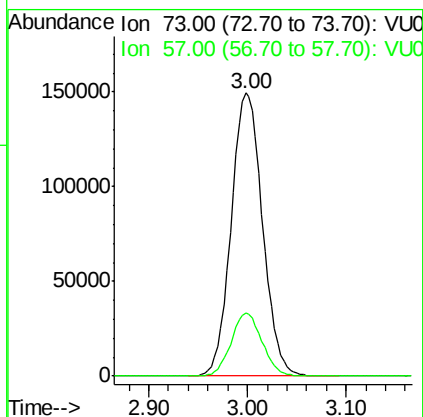
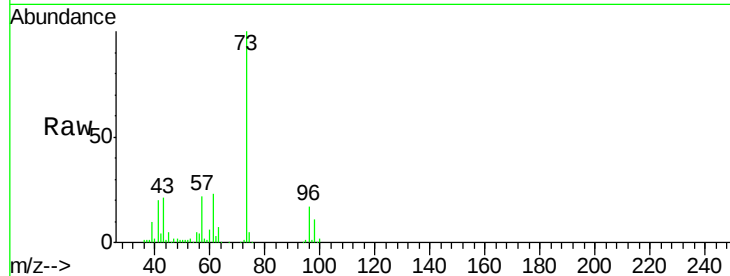




#19
Methyl tert-butyl Ether
Concen: 49.186 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

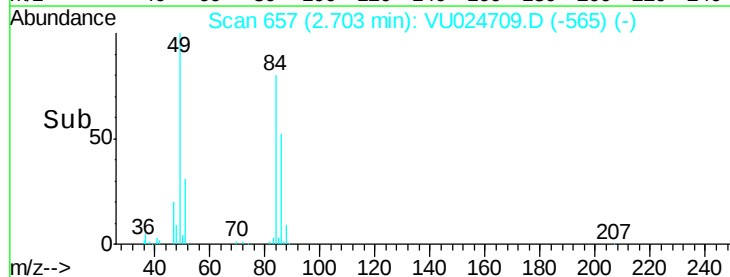
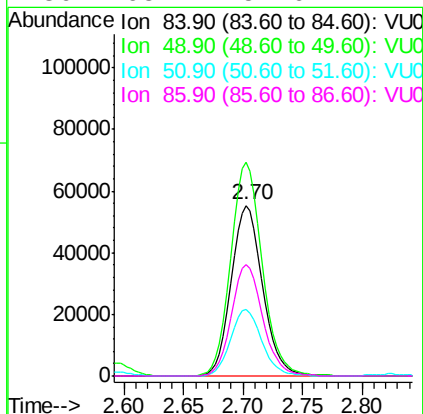
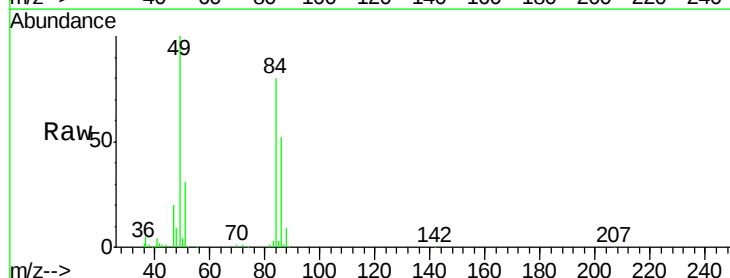
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

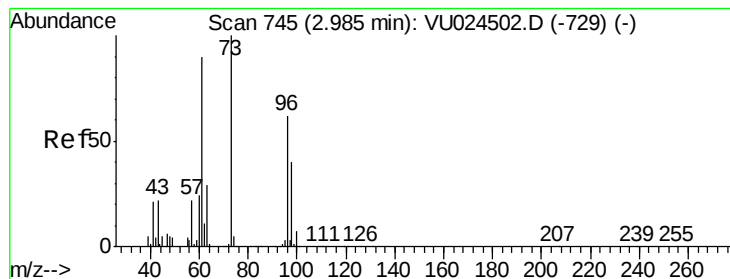
Tgt Ion: 73 Resp: 329826
Ion Ratio Lower Upper
73 100
57 22.3 18.8 28.2



#20
Methylene Chloride
Concen: 47.062 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 84 Resp: 101476
Ion Ratio Lower Upper
84 100
49 125.4 103.8 155.8
51 38.9 32.0 48.0
86 65.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 46.242 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

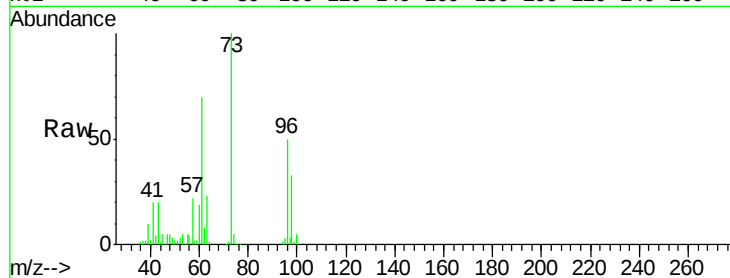
Tgt Ion: 96 Resp: 90856

Ion Ratio Lower Upper

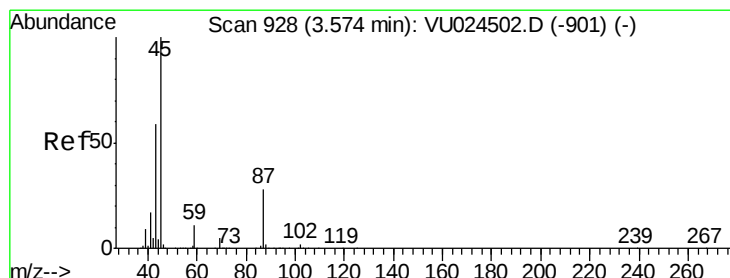
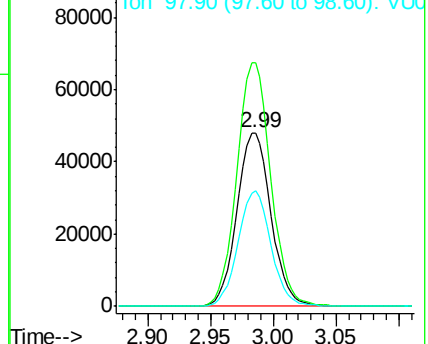
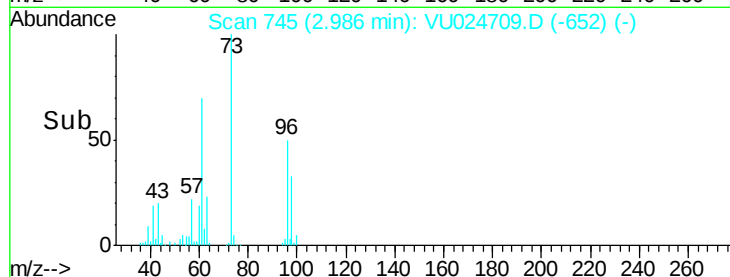
96 100

61 140.5 119.4 179.0

98 66.7 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024709.D (-652) (-)



#22

Diisopropyl ether

Concen: 50.099 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion: 45 Resp: 328951

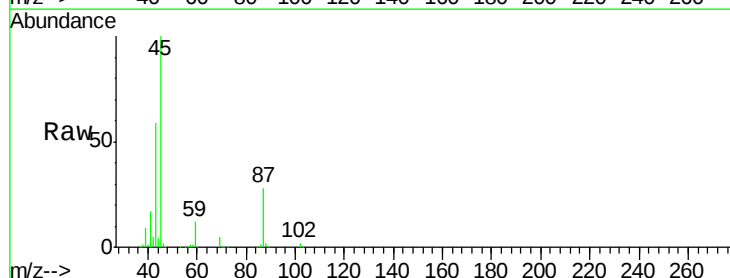
Ion Ratio Lower Upper

45 100

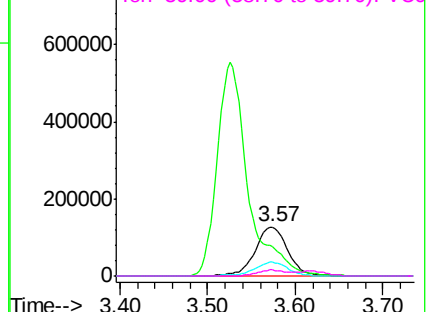
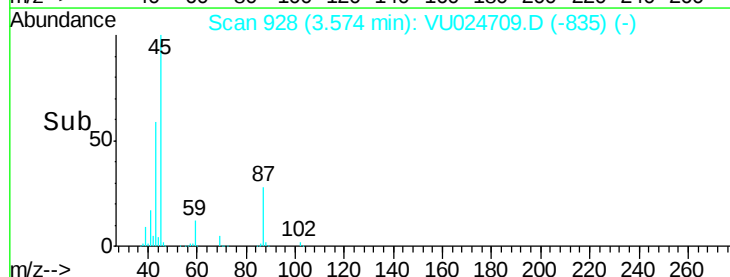
43 57.9 45.8 68.6

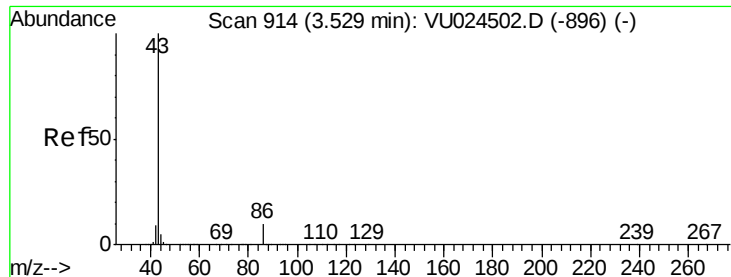
87 28.1 20.6 31.0

59 11.9 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU024709.D (-835) (-)





#23

Vinyl Acetate

Concen: 230.543 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

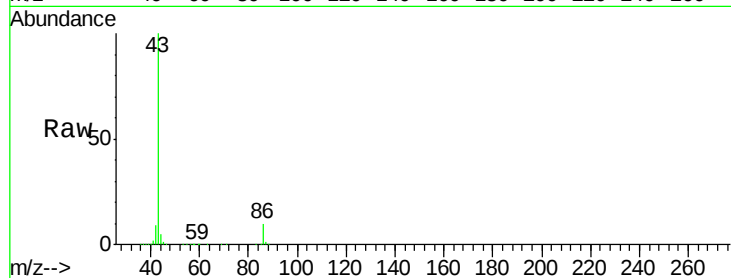
VSTDCCC050

Tgt Ion: 43 Resp: 1355996

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU024709.D (-913) (-)

Ion 86.00 (85.70 to 86.70): VU024709.D (-913) (-)

3.53

600000

500000

400000

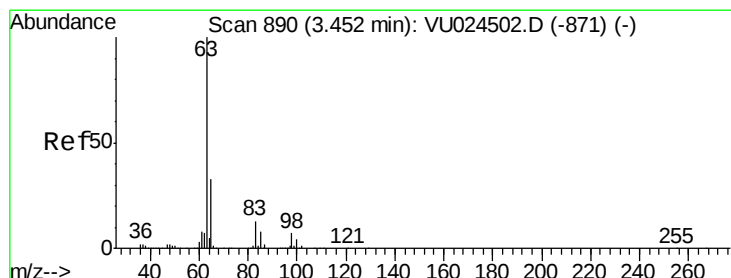
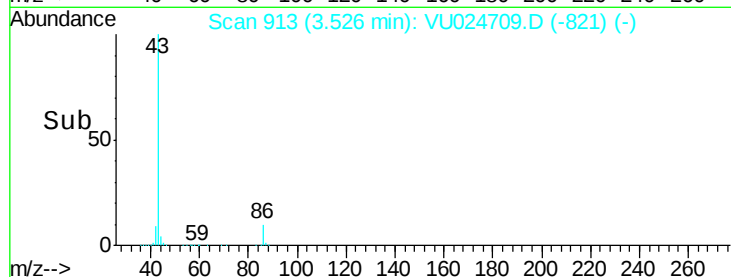
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.339 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

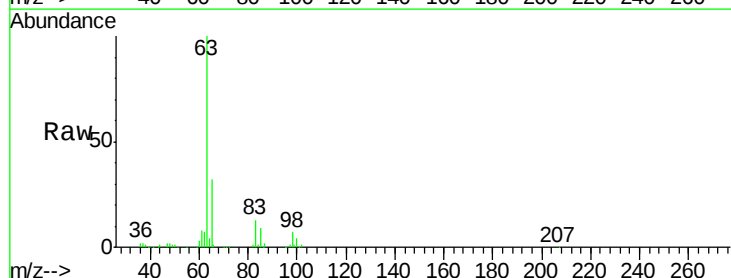
Tgt Ion: 63 Resp: 182588

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.0 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU024709.D (-889) (-)

Ion 97.90 (97.60 to 98.60): VU024709.D (-889) (-)

Ion 99.90 (99.60 to 100.60): VU024709.D (-889) (-)

3.45

100000

80000

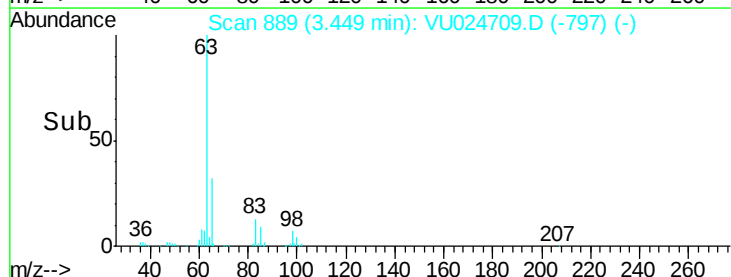
60000

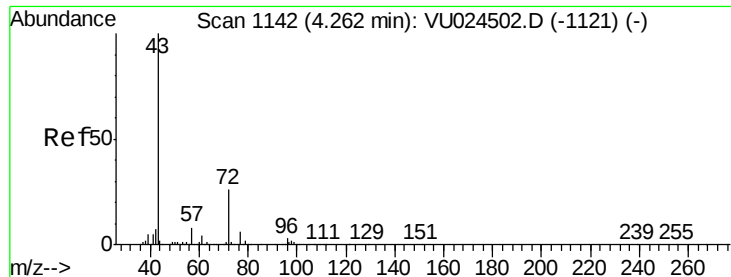
40000

20000

0

Time-->





#25

2-Butanone

Concen: 257.466 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

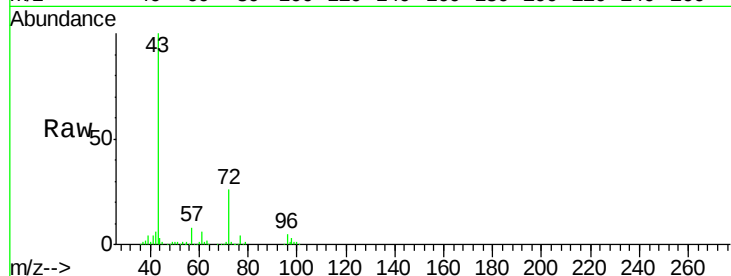
VSTDCCC050

Tgt Ion: 43 Resp: 475253

Ion Ratio Lower Upper

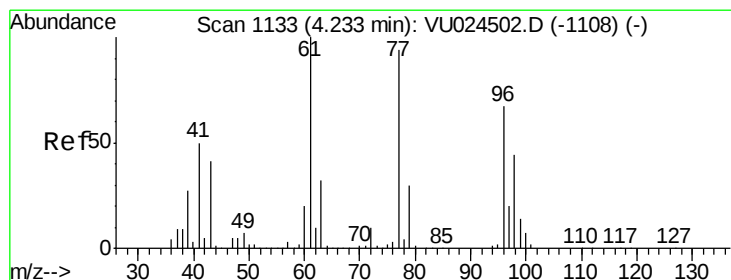
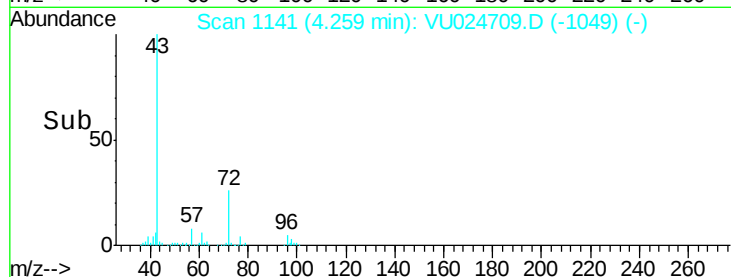
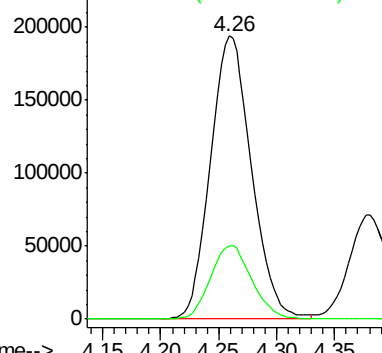
43 100

72 26.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 17.365 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024709.D

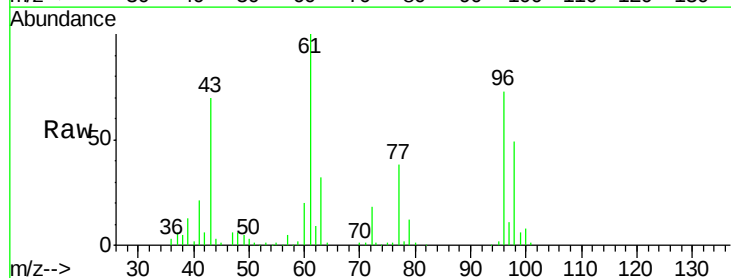
Acq: 18 Jun 2018 22:41

Tgt Ion: 77 Resp: 62282

Ion Ratio Lower Upper

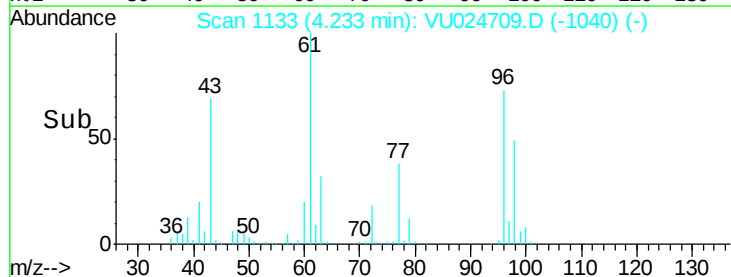
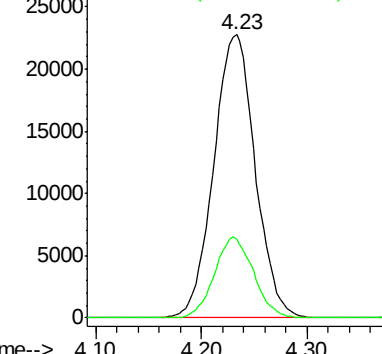
77 100

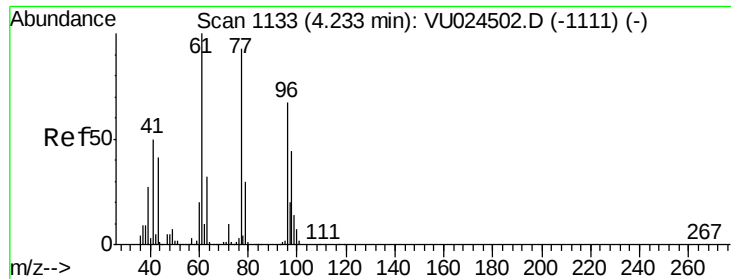
97 26.8 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 49.077 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

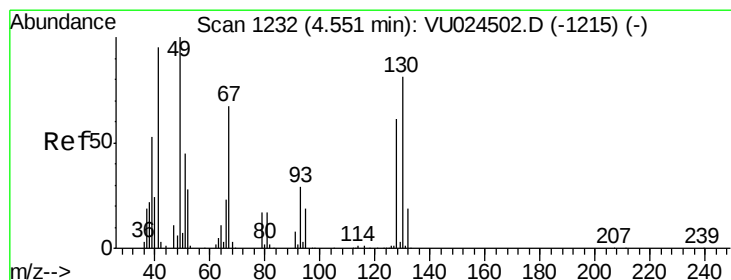
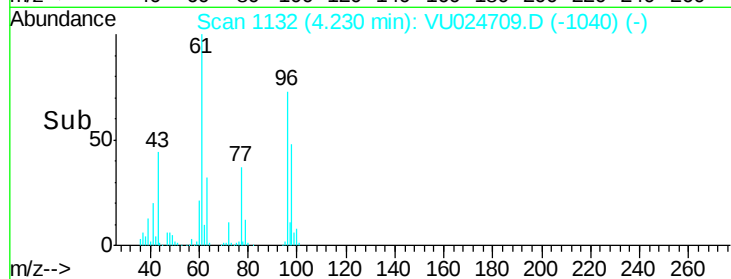
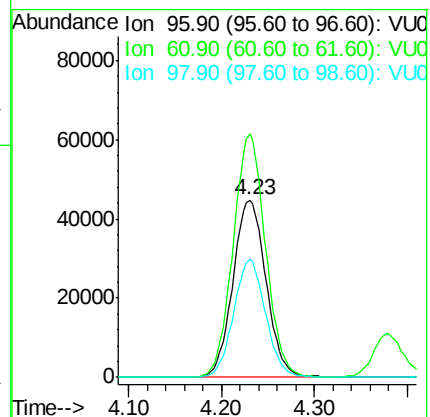
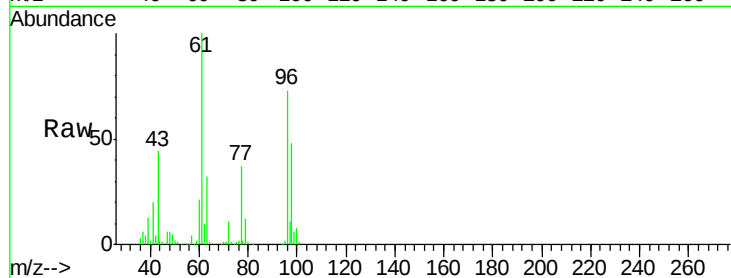
Tgt Ion: 96 Resp: 110856

Ion Ratio Lower Upper

96 100

61 134.2 0.0 306.6

98 64.2 0.0 128.8



#28

Bromochloromethane

Concen: 49.443 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

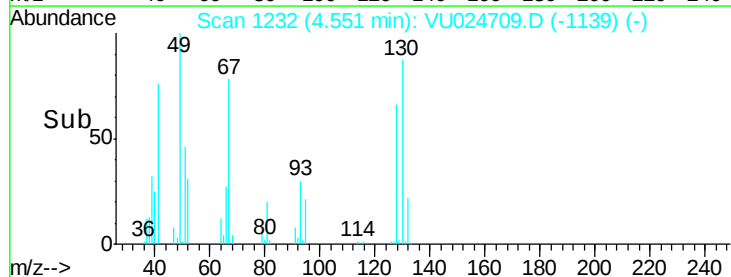
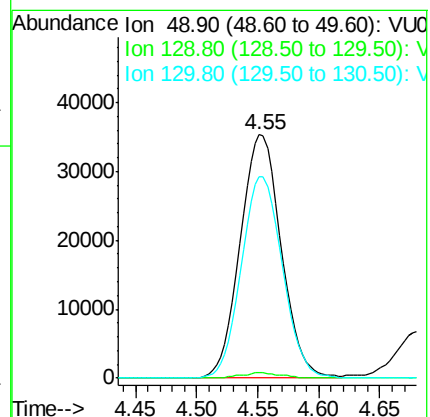
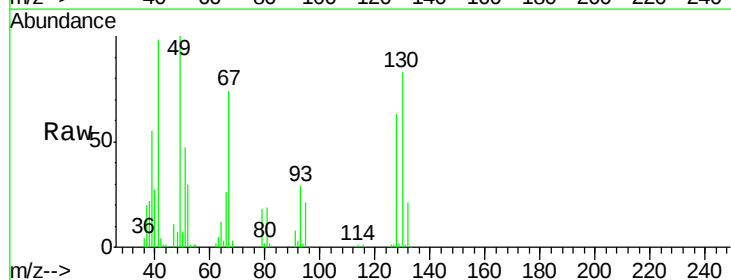
Tgt Ion: 49 Resp: 82260

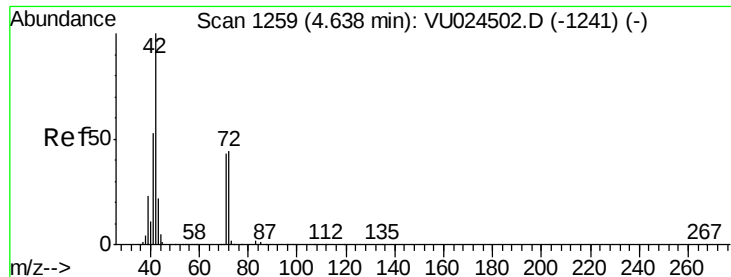
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 82.8 57.8 86.6





#29

Tetrahydrofuran

Concen: 268.708 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

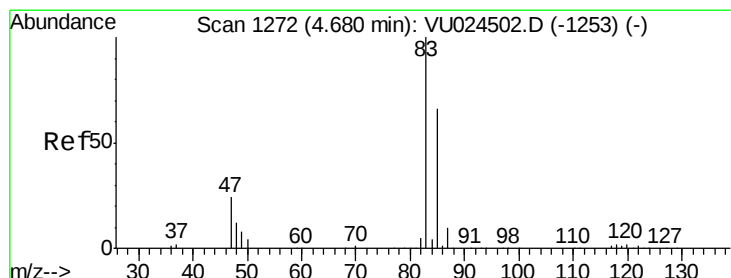
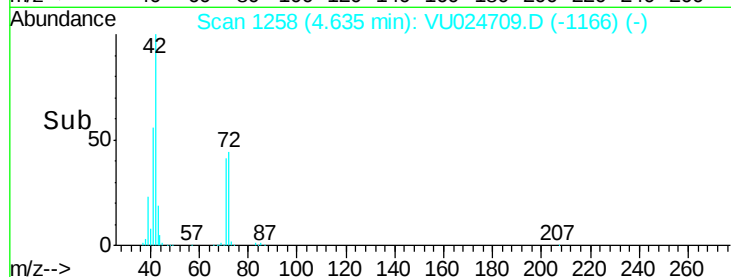
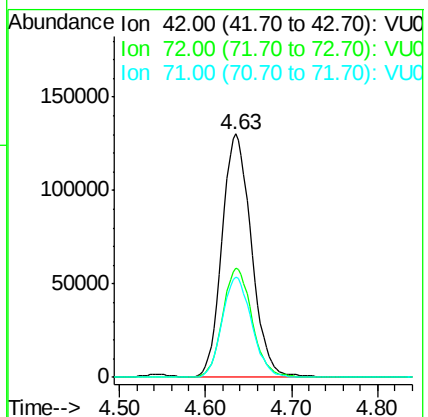
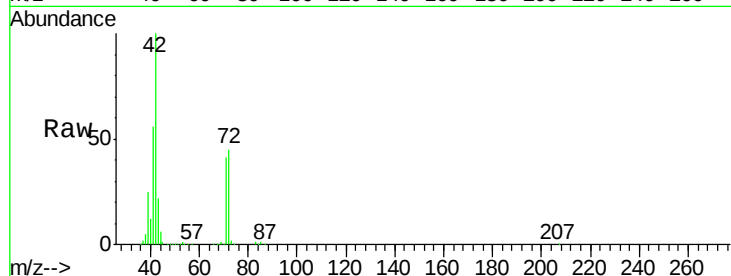
Tgt Ion: 42 Resp: 307159

Ion Ratio Lower Upper

42 100

72 45.3 34.5 51.7

71 41.9 32.2 48.4



#30

Chloroform

Concen: 49.242 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU024709.D

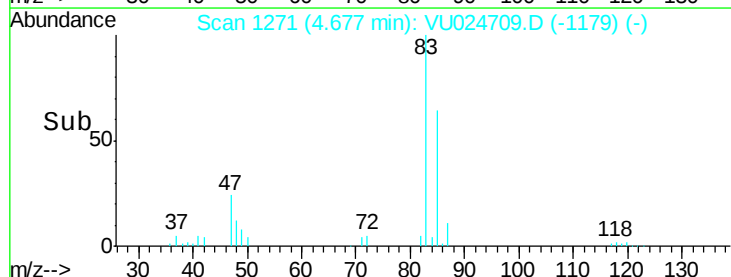
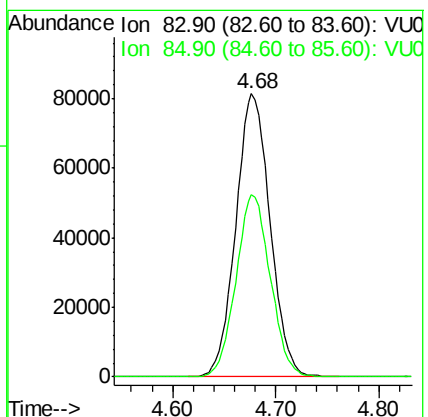
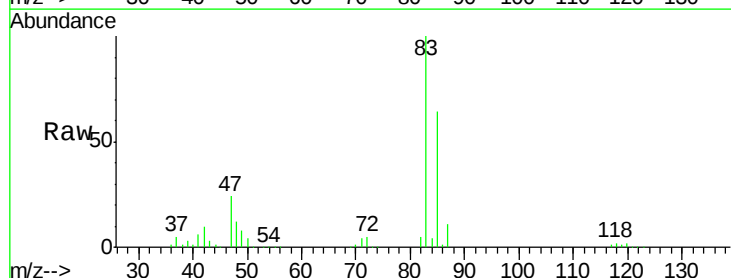
Acq: 18 Jun 2018 22:41

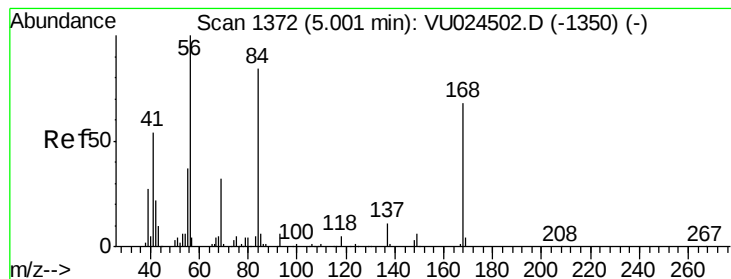
Tgt Ion: 83 Resp: 188261

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6





#31

Cyclohexane

Concen: 48.650 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

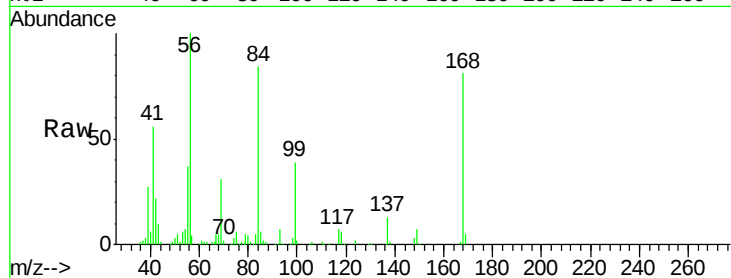
Tgt Ion: 56 Resp: 163365

Ion Ratio Lower Upper

56 100

69 31.2 24.8 37.2

84 82.5 65.2 97.8

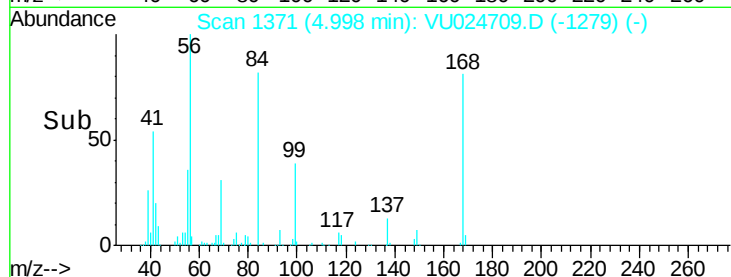


Abundance Ion 56.00 (55.70 to 56.70): VU024709.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU024709.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU024709.D (-1279) (-)

Time-->



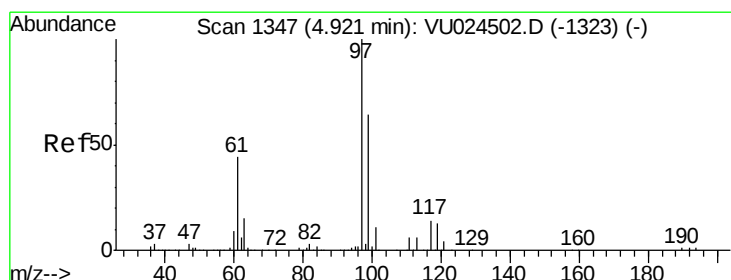
Abundance

Ion 56.00 (55.70 to 56.70): VU024709.D (-1279) (-)

Ion 69.00 (68.70 to 69.70): VU024709.D (-1279) (-)

Ion 84.00 (83.70 to 84.70): VU024709.D (-1279) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 46.585 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

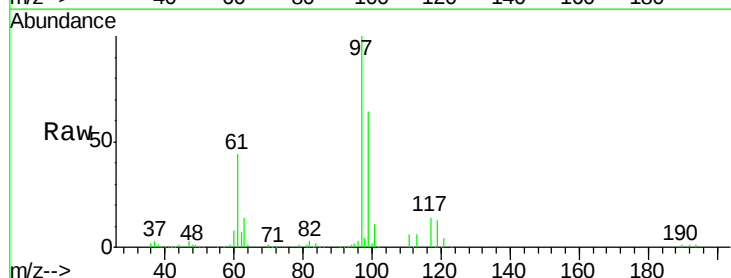
Tgt Ion: 97 Resp: 164695

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.6

61 44.7 39.4 59.0

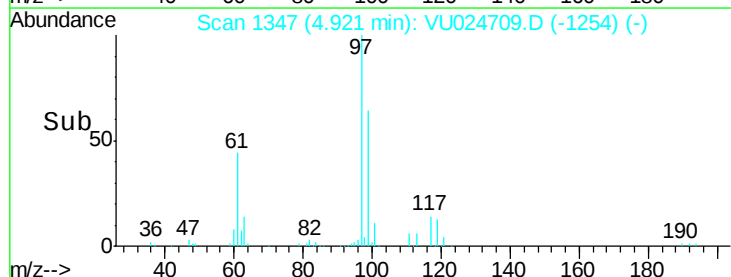


Abundance Ion 96.90 (96.60 to 97.60): VU024709.D (-1254) (-)

Ion 98.90 (98.60 to 99.60): VU024709.D (-1254) (-)

Ion 60.90 (60.60 to 61.60): VU024709.D (-1254) (-)

Time-->



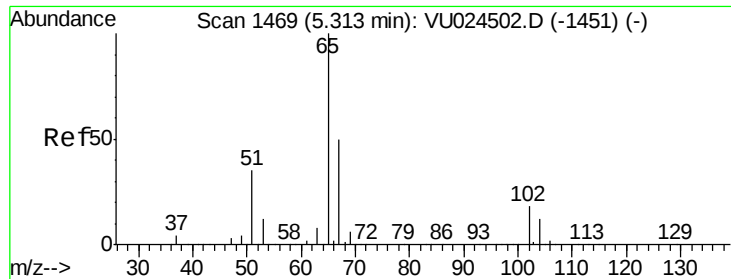
Abundance

Ion 96.90 (96.60 to 97.60): VU024709.D (-1254) (-)

Ion 98.90 (98.60 to 99.60): VU024709.D (-1254) (-)

Ion 60.90 (60.60 to 61.60): VU024709.D (-1254) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.348 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

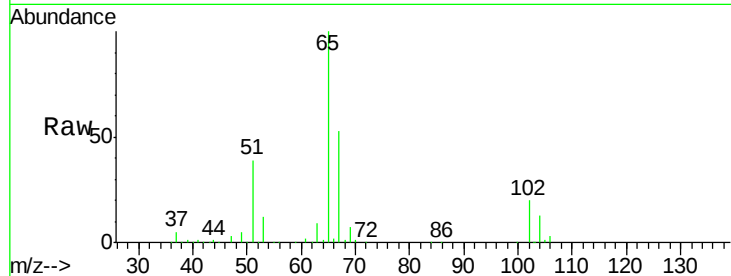
VSTDCCC050

Tgt Ion: 65 Resp: 123656

Ion Ratio Lower Upper

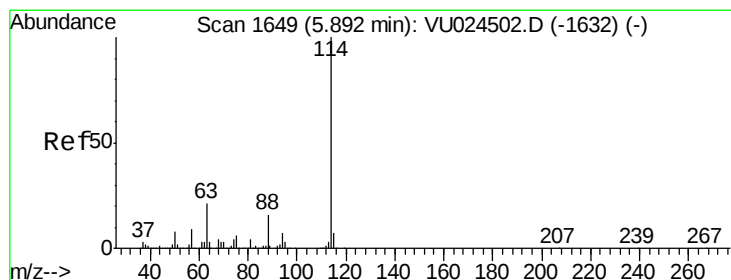
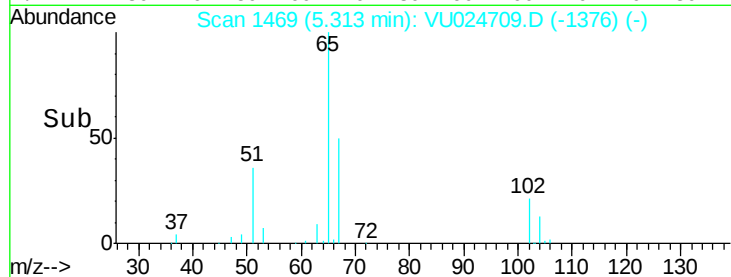
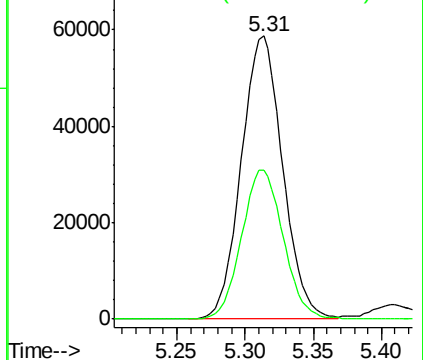
65 100

67 53.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024709.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024709.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

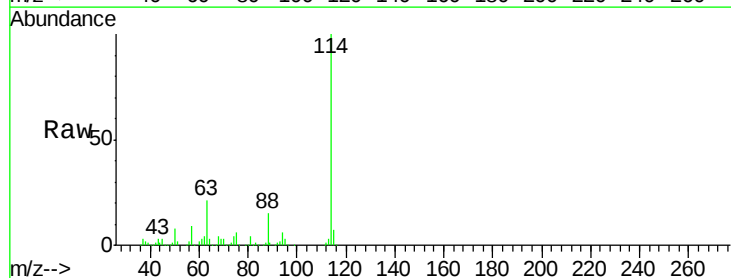
Tgt Ion: 114 Resp: 250248

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

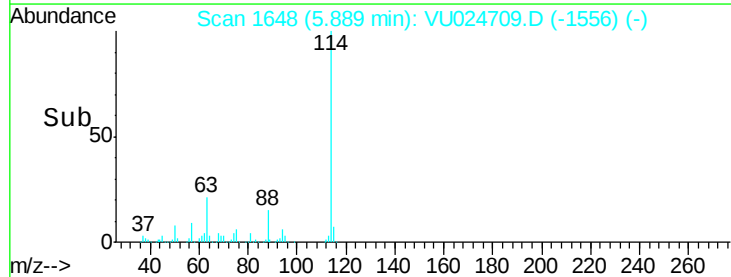
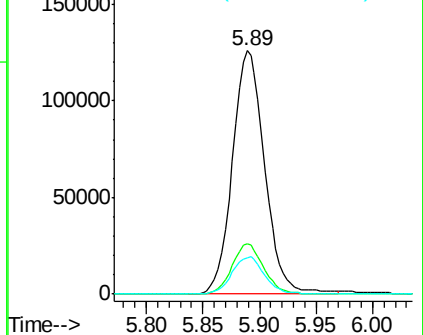
88 15.1 0.0 31.0

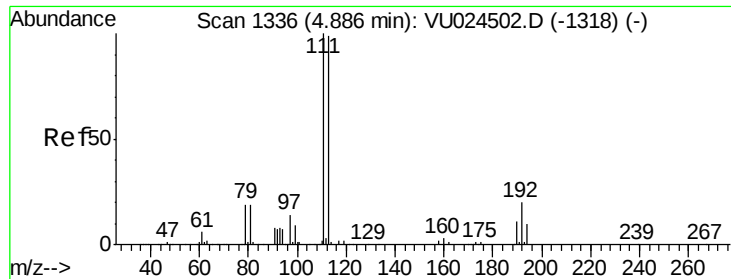


Abundance Ion 113.90 (113.60 to 114.60): VU024709.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024709.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024709.D (-1556) (-)

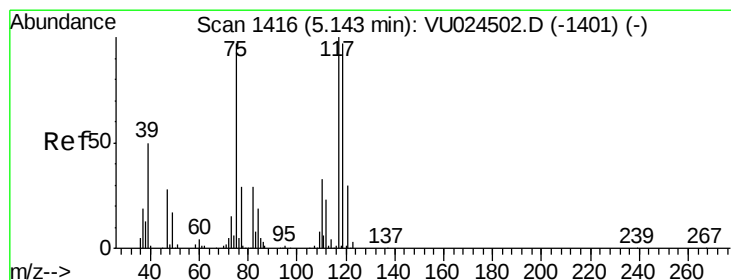
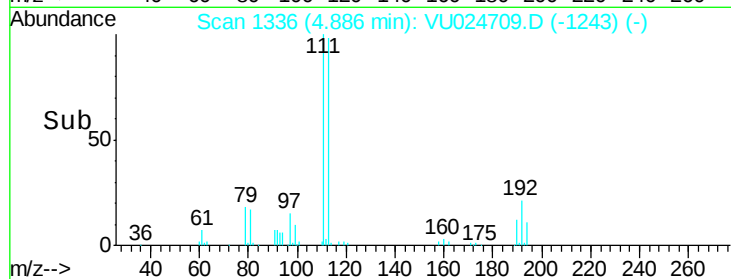
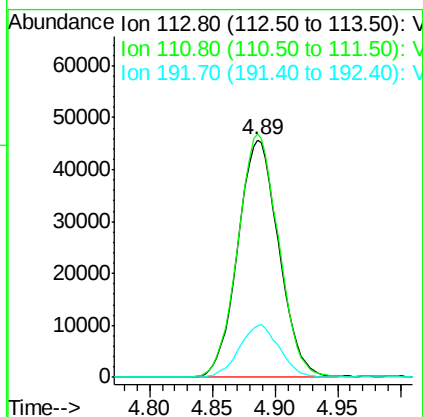
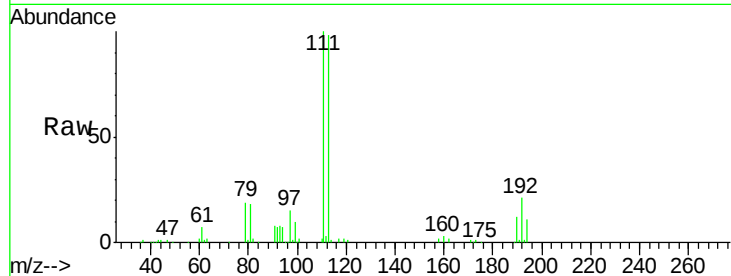




#35
Dibromofluoromethane
Concen: 50.073 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

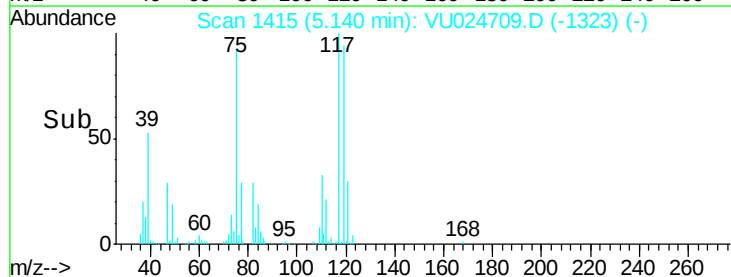
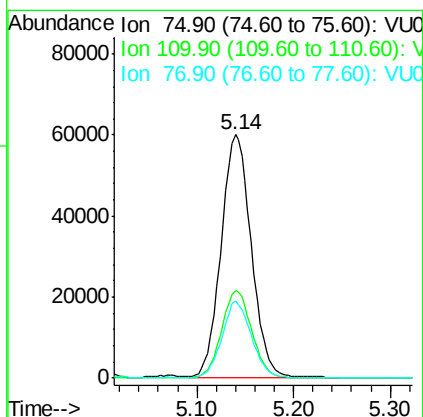
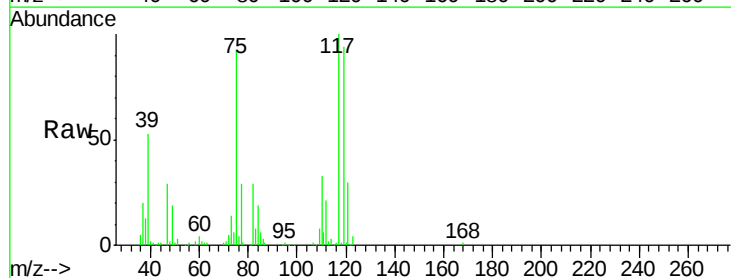
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

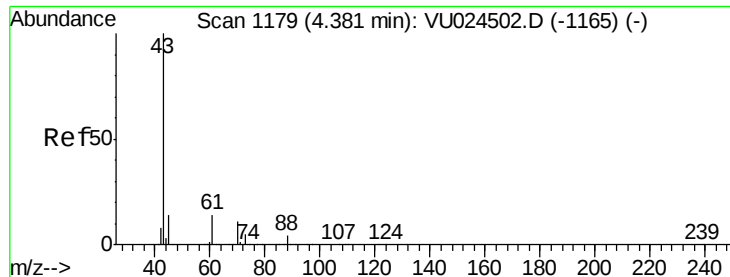
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	21.7	16.2	24.4



#36
1,1-Dichloropropene
Concen: 44.042 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.0	50.9
77	31.3	24.2	36.4

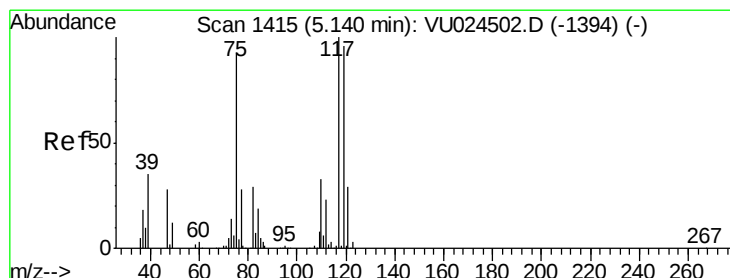
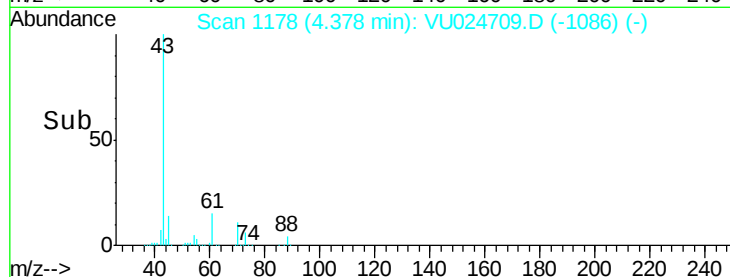
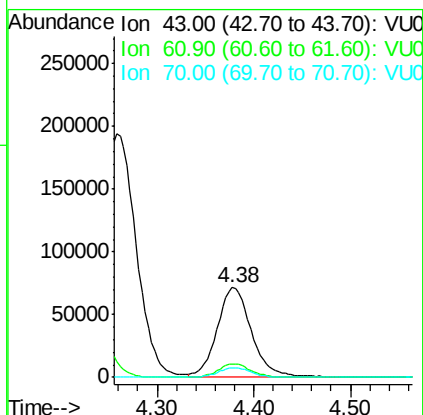
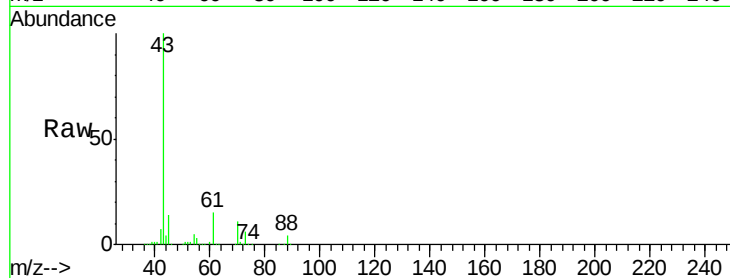




#37
Ethyl Acetate
Concen: 54.015 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

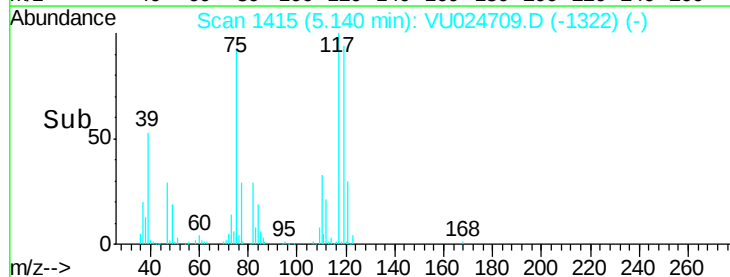
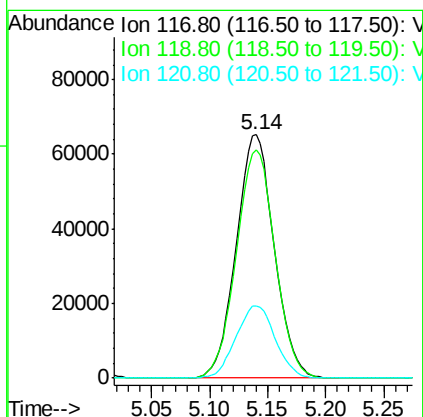
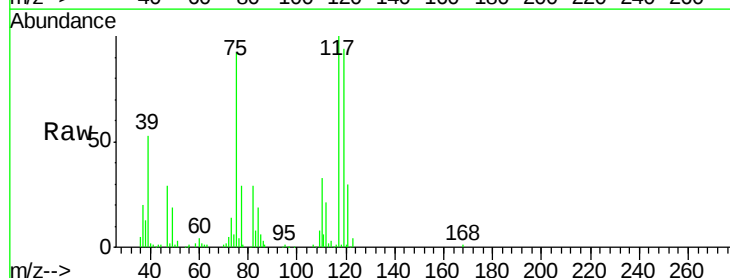
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

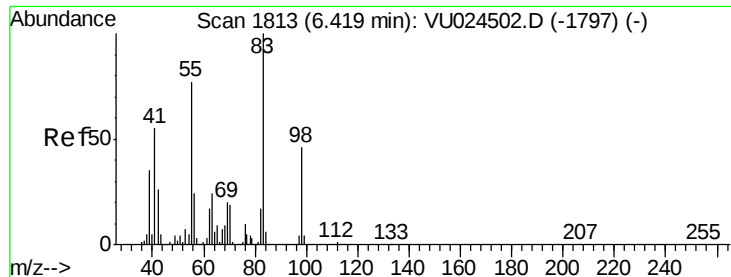
Tgt Ion: 43 Resp: 173120
Ion Ratio Lower Upper
43 100
61 14.8 10.5 15.7
70 10.8 7.4 11.2



#38
Carbon Tetrachloride
Concen: 45.952 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 117 Resp: 148593
Ion Ratio Lower Upper
117 100
119 94.0 76.1 114.1
121 29.8 23.7 35.5

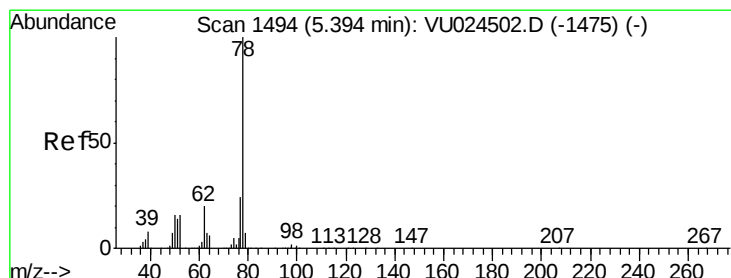
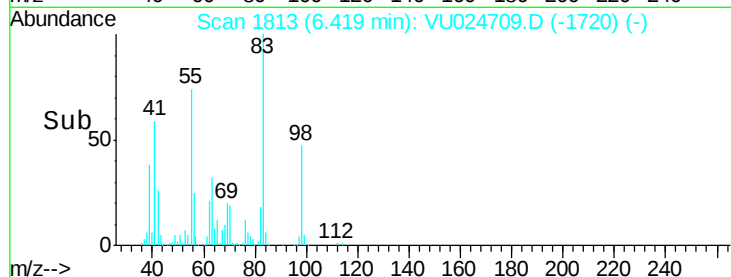
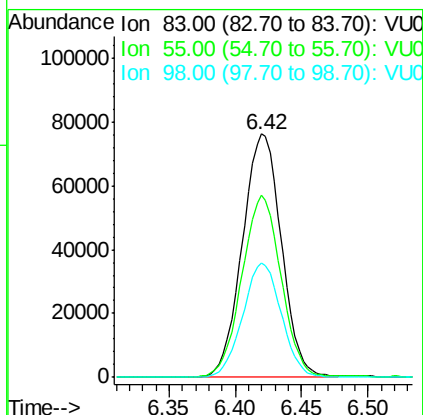
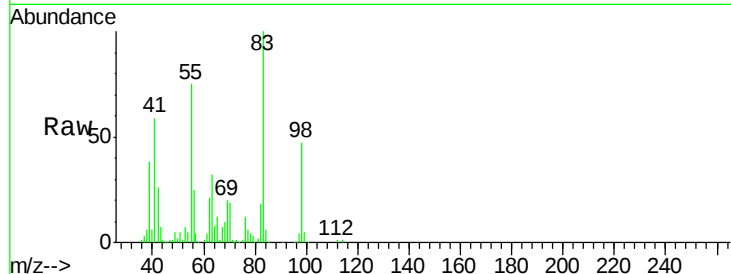




#39
Methylcyclohexane
Concen: 42.672 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

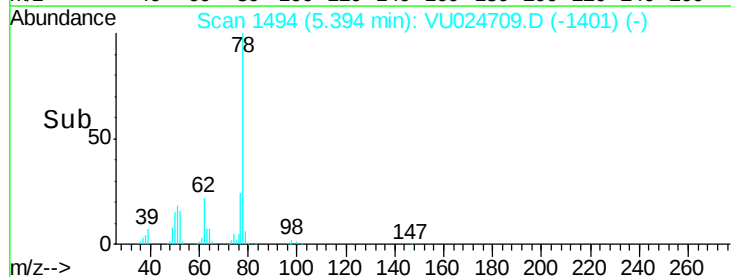
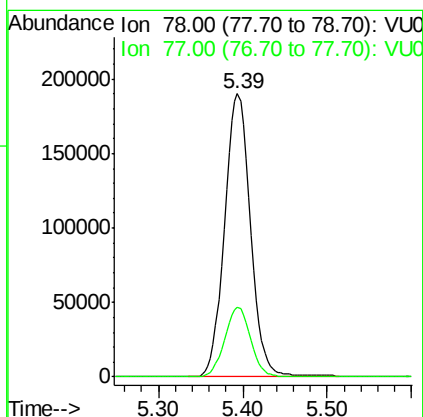
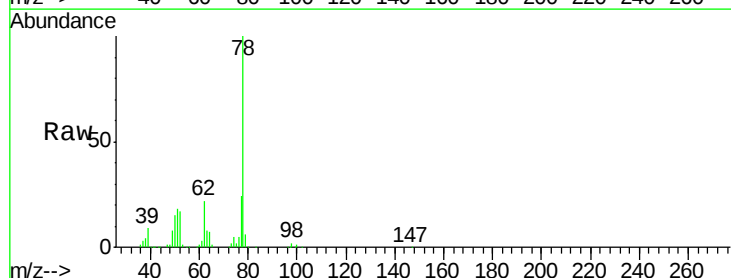
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

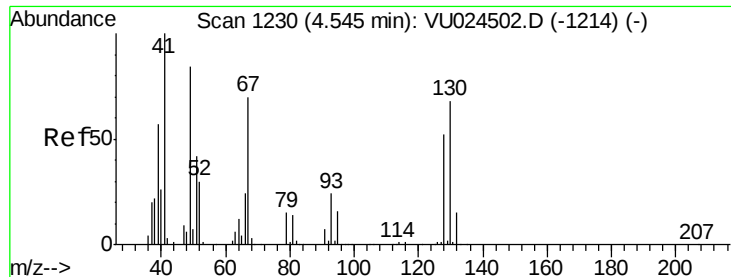
Tgt Ion: 83 Resp: 156592
Ion Ratio Lower Upper
83 100
55 74.4 65.8 98.6
98 47.0 36.7 55.1



#40
Benzene
Concen: 48.471 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 78 Resp: 406143
Ion Ratio Lower Upper
78 100
77 24.5 19.2 28.8





#41

Methacrylonitrile

Concen: 55.734 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 96311

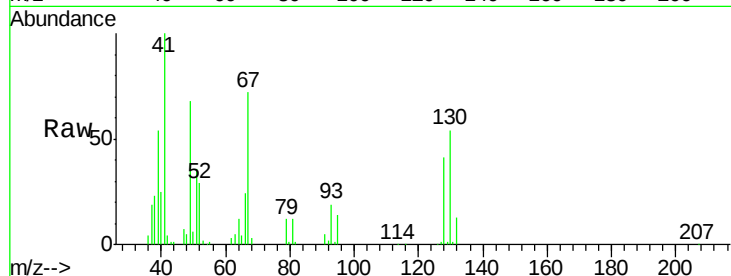
Ion Ratio Lower Upper

41 100

39 54.6 43.8 65.6

67 72.2 56.3 84.5

52 30.4 23.2 34.8

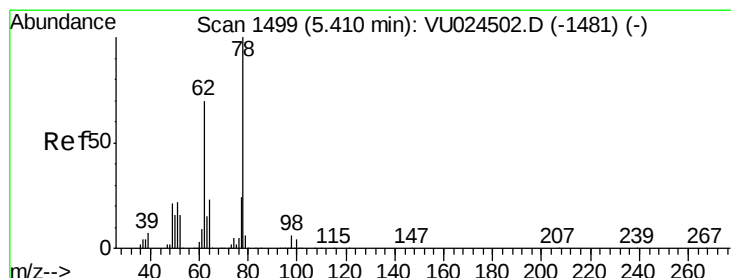
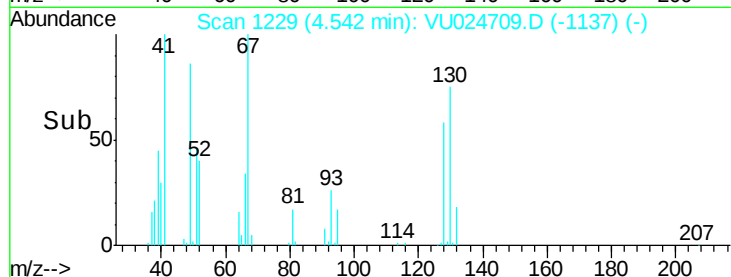
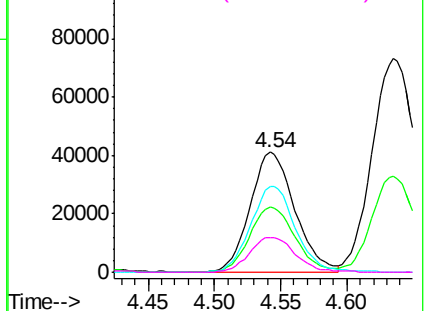


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 47.390 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU024709.D

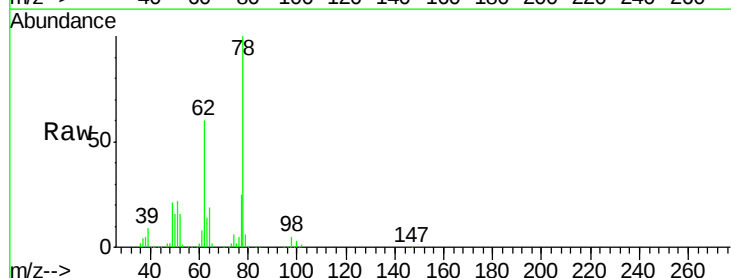
Acq: 18 Jun 2018 22:41

Tgt Ion: 62 Resp: 151237

Ion Ratio Lower Upper

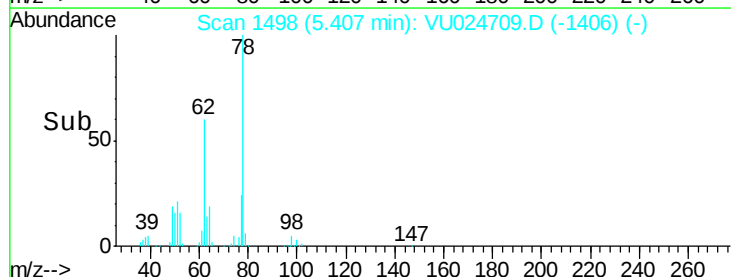
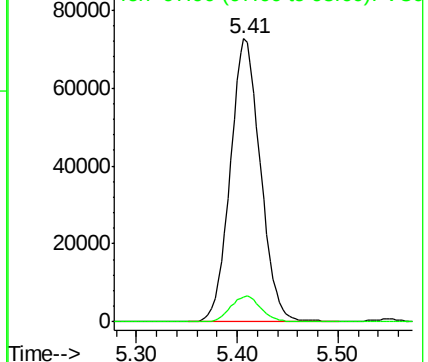
62 100

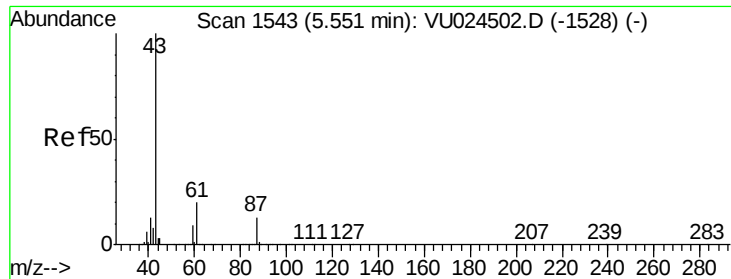
98 9.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

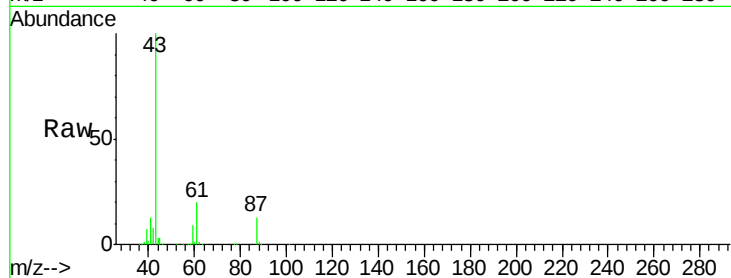




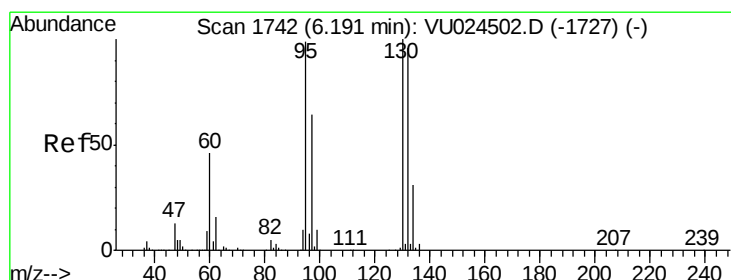
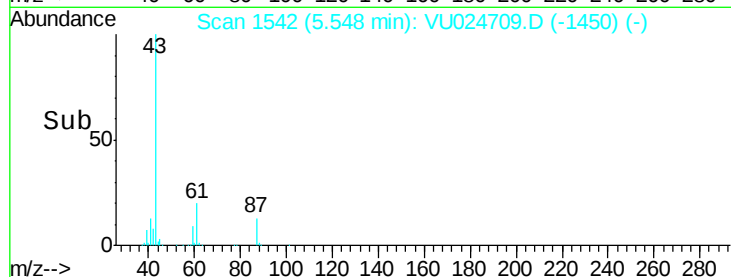
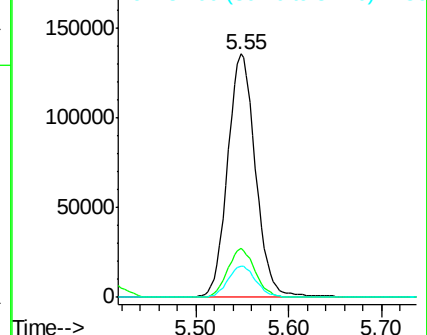
#43
Isopropyl Acetate
Concen: 50.769 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 281265
Ion Ratio Lower Upper
43 100
61 20.0 15.4 23.0
87 13.0 10.0 15.0

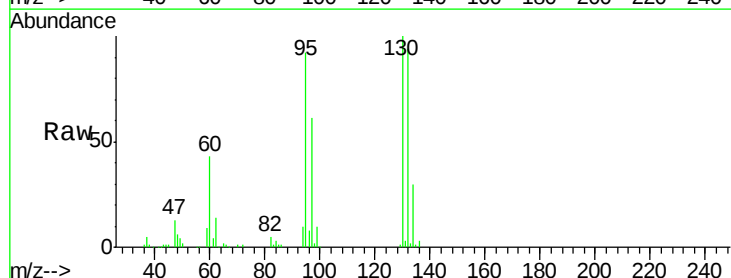


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

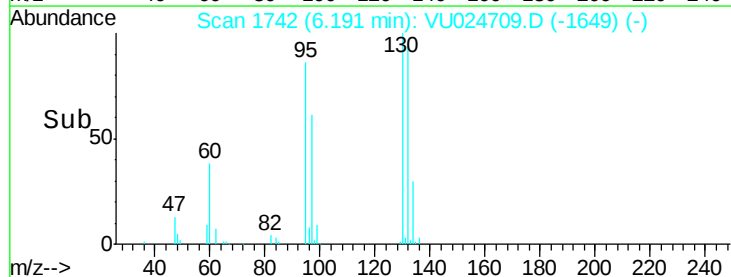
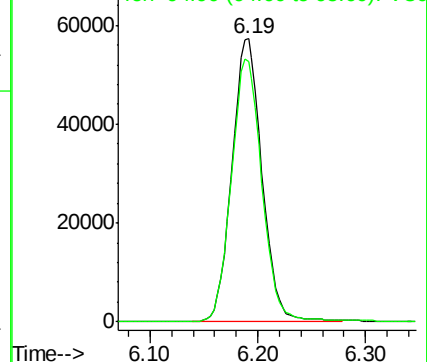


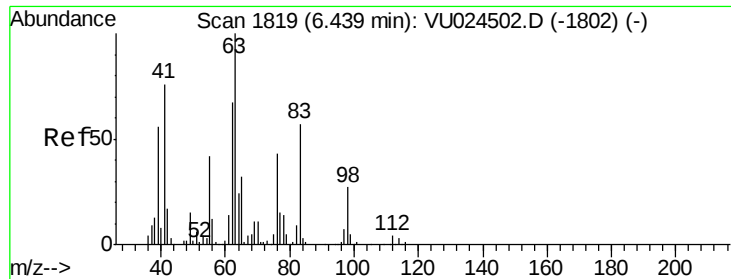
#44
Trichloroethene
Concen: 46.720 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 130 Resp: 111412
Ion Ratio Lower Upper
130 100
95 92.1 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 50.584 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

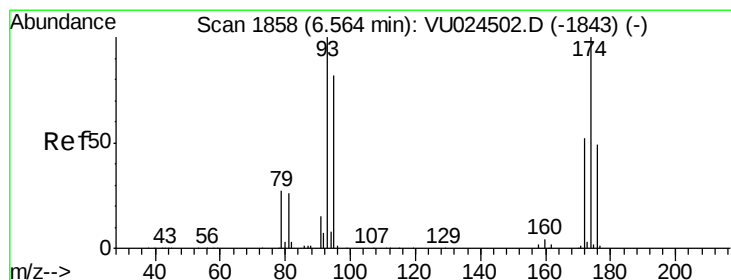
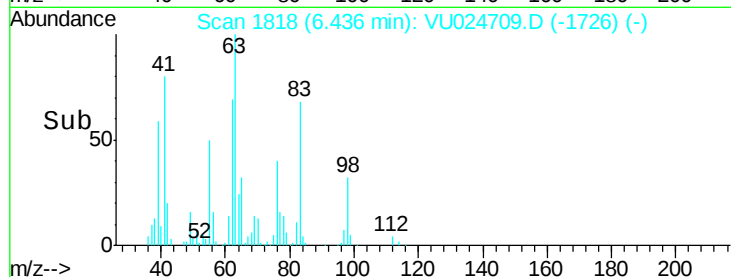
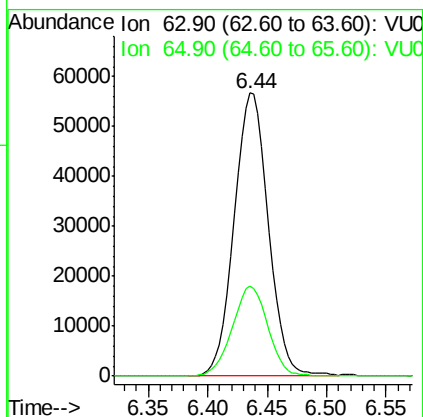
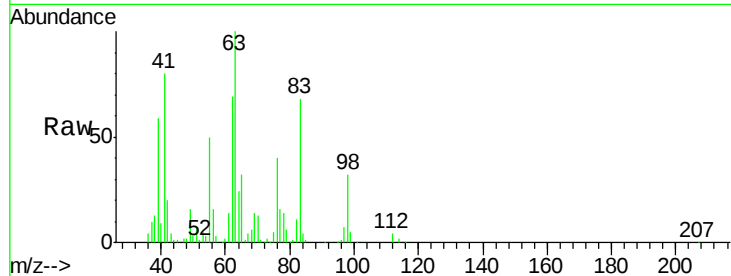
VSTDCCC050

Tgt Ion: 63 Resp: 113093

Ion Ratio Lower Upper

63 100

65 31.9 24.8 37.2



#46

Dibromomethane

Concen: 50.753 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

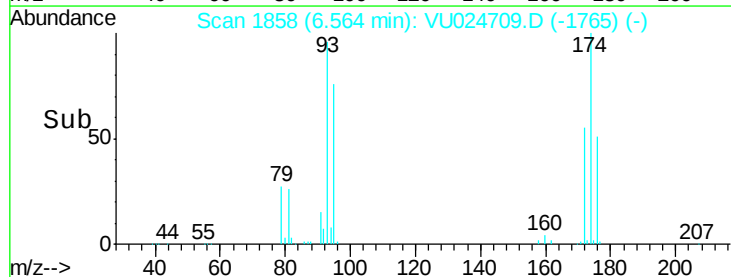
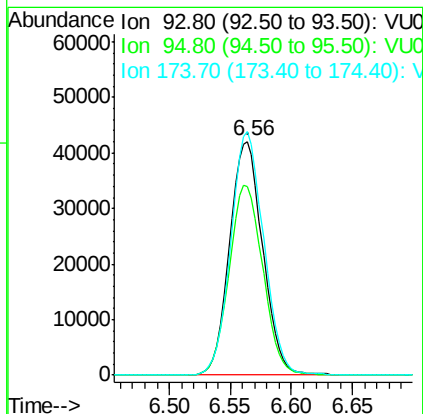
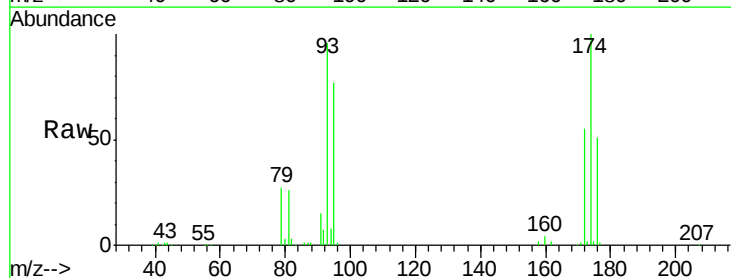
Tgt Ion: 93 Resp: 79703

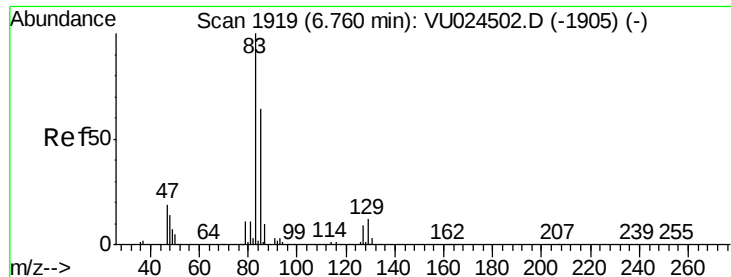
Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

174 103.2 78.7 118.1





#47

Bromodichloromethane

Concen: 48.675 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

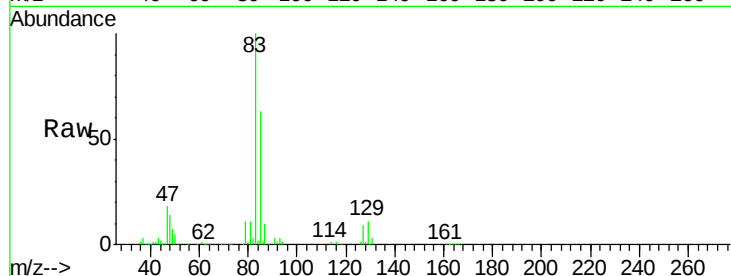
Tgt Ion: 83 Resp: 152215

Ion Ratio Lower Upper

83 100

85 63.3 51.9 77.9

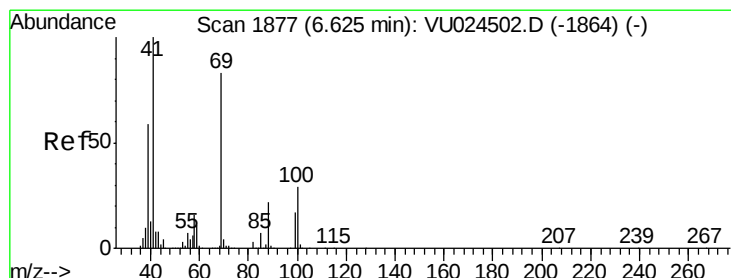
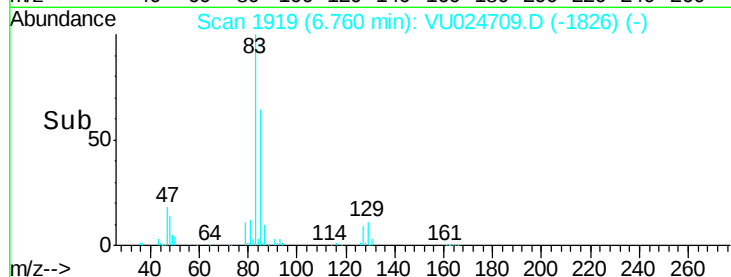
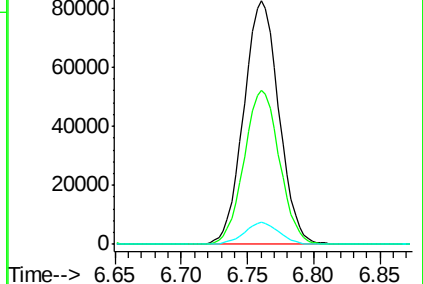
127 8.9 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU024709.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU024709.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU024709.D (-1826) (-)



#48

Methyl methacrylate

Concen: 51.819 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

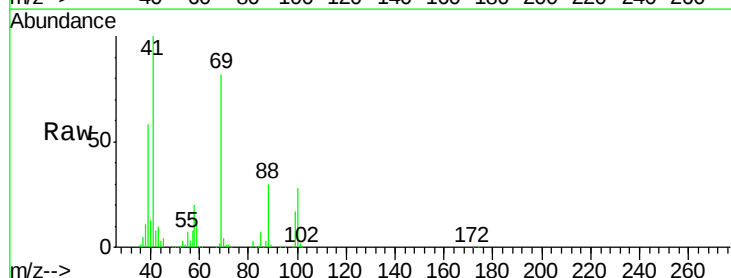
Tgt Ion: 41 Resp: 139791

Ion Ratio Lower Upper

41 100

69 83.6 67.3 100.9

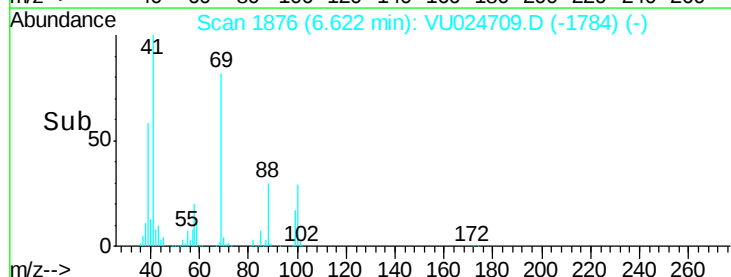
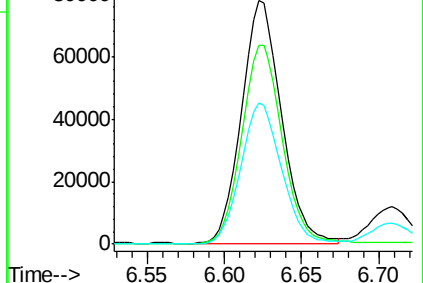
39 58.8 46.5 69.7

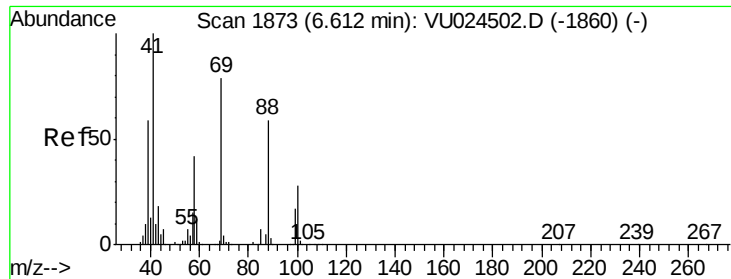


Abundance Ion 41.00 (40.70 to 41.70): VU024709.D (-1784) (-)

Ion 69.00 (68.70 to 69.70): VU024709.D (-1784) (-)

Ion 39.00 (38.70 to 39.70): VU024709.D (-1784) (-)

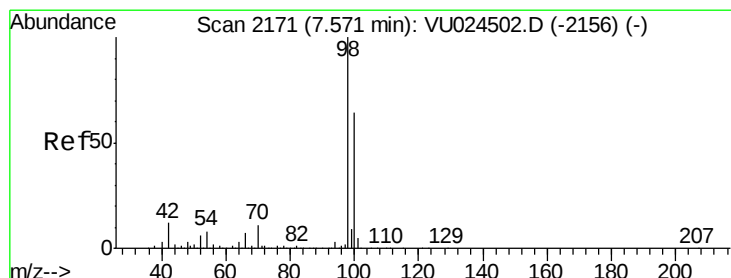
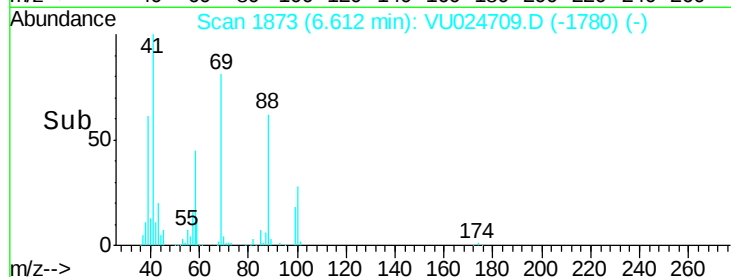
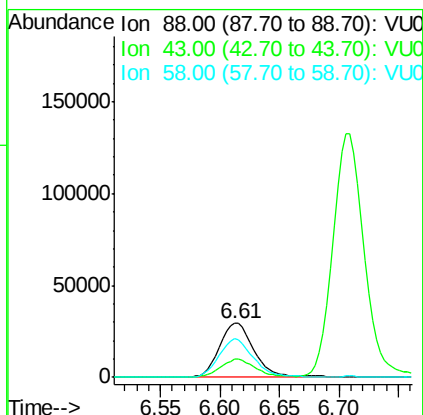
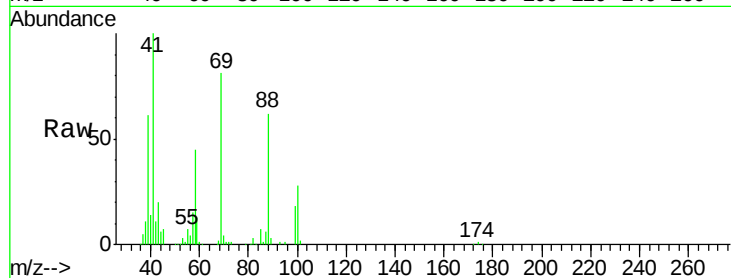




#49
1,4-Dioxane
Concen: 1105.965 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

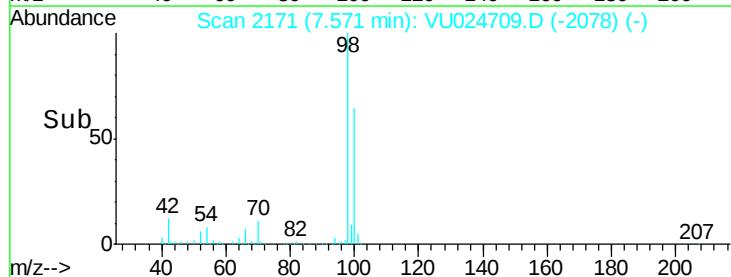
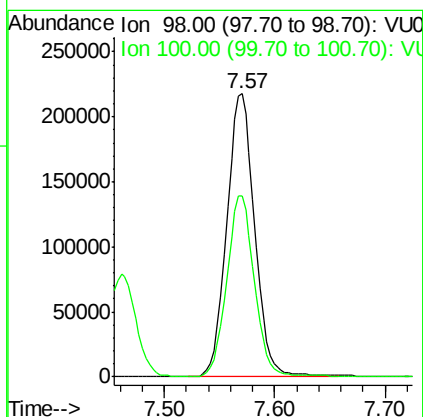
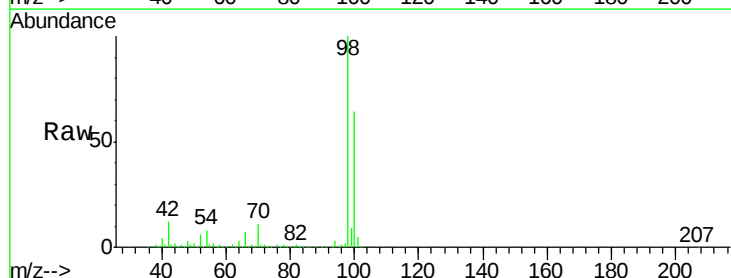
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

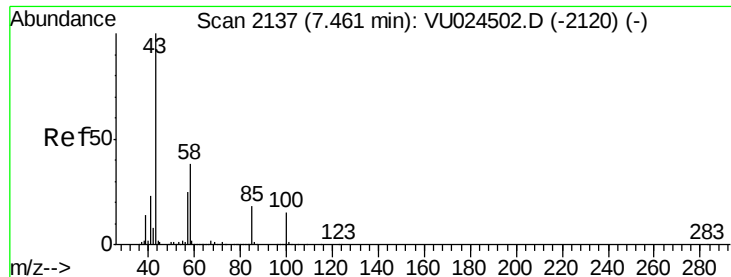
Tgt Ion: 88 Resp: 58347
Ion Ratio Lower Upper
88 100
43 33.2 28.6 42.8
58 72.6 58.2 87.4



#50
Toluene-d8
Concen: 50.464 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 98 Resp: 382290
Ion Ratio Lower Upper
98 100
100 62.6 51.1 76.7

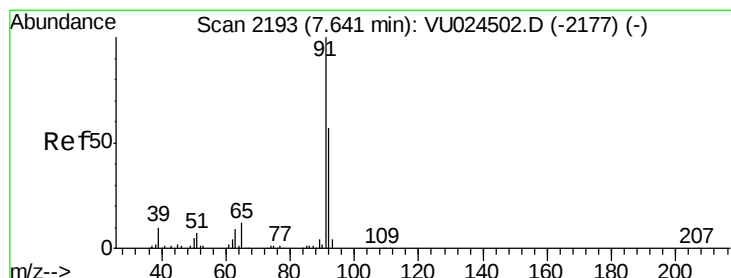
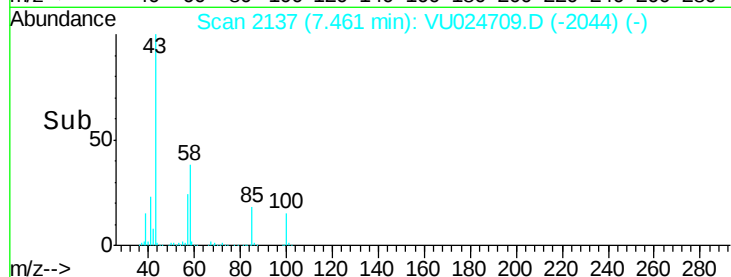
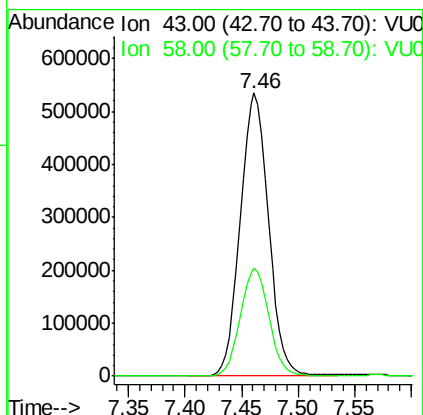
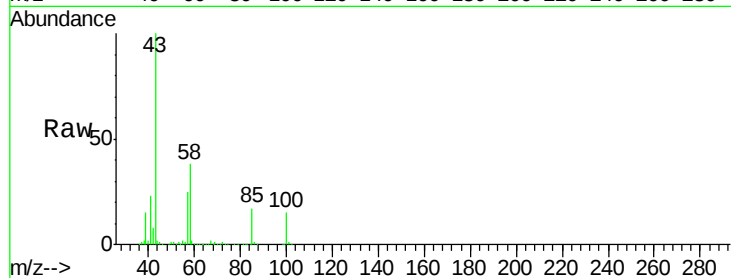




#51
 4-Methyl-2-Pentanone
 Concen: 268.210 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

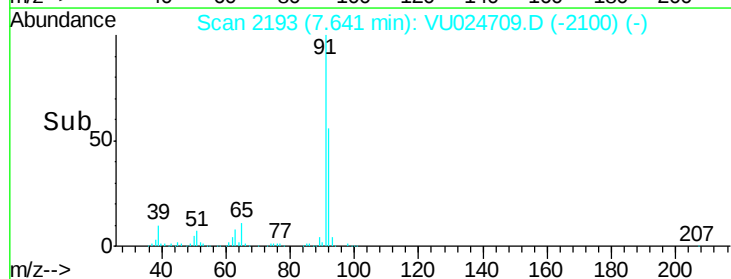
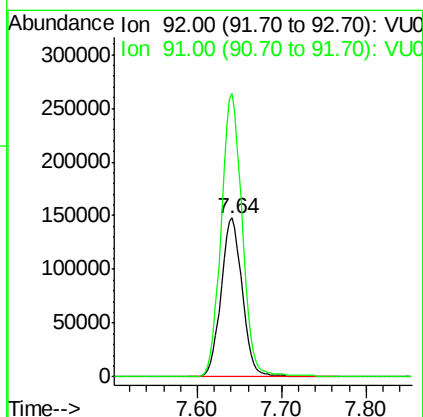
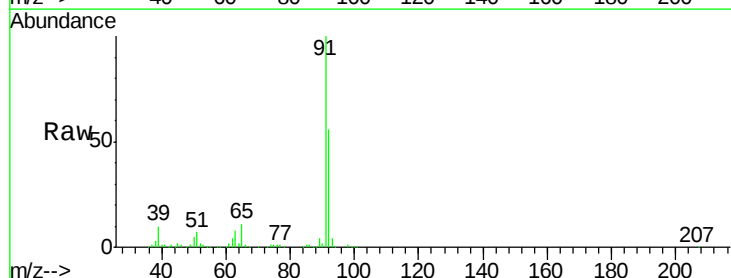
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

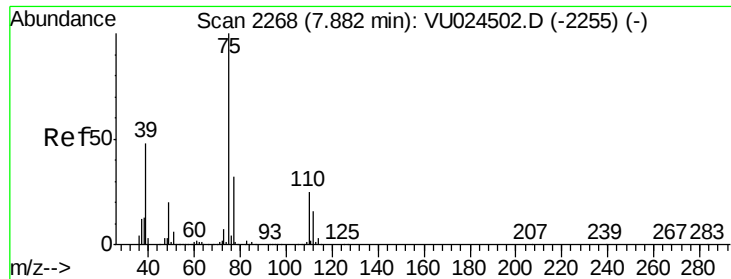
Tgt Ion: 43 Resp: 933521
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.0 45.0



#52
 Toluene
 Concen: 48.261 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion: 92 Resp: 260165
 Ion Ratio Lower Upper
 92 100
 91 176.5 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 42.106 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

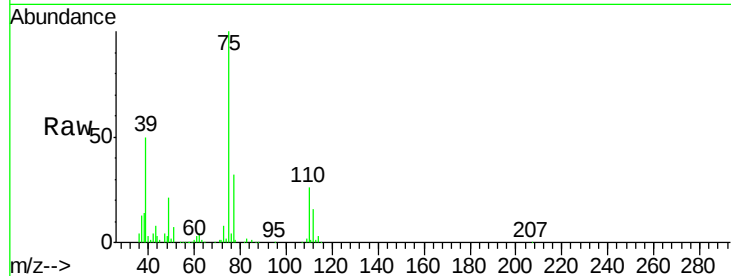
VSTDCCC050

Tgt Ion: 75 Resp: 147867

Ion Ratio Lower Upper

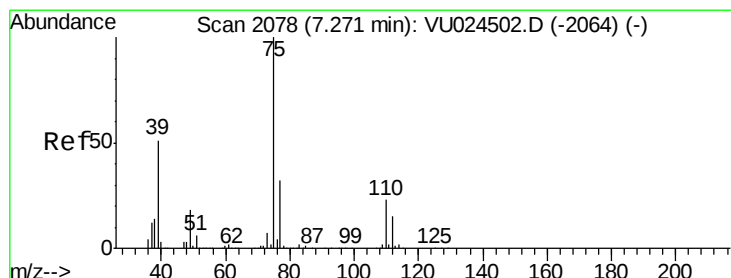
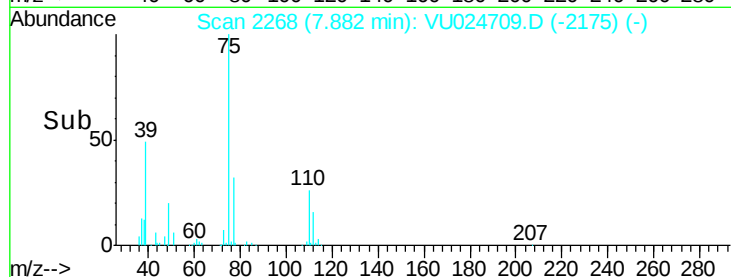
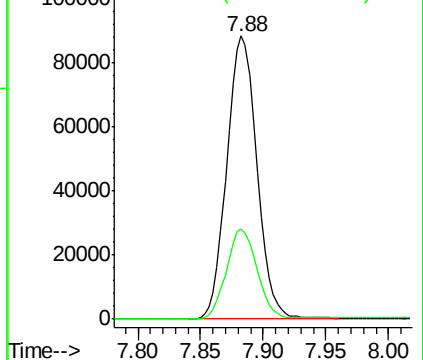
75 100

77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 40.633 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

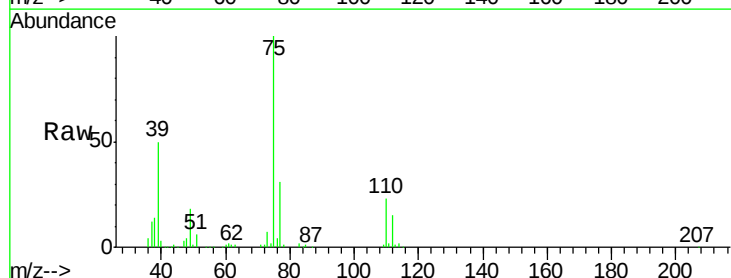
Tgt Ion: 75 Resp: 152050

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

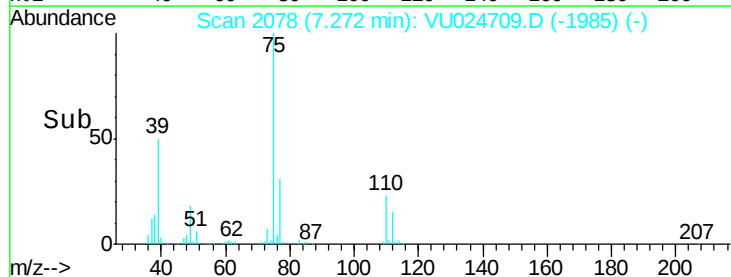
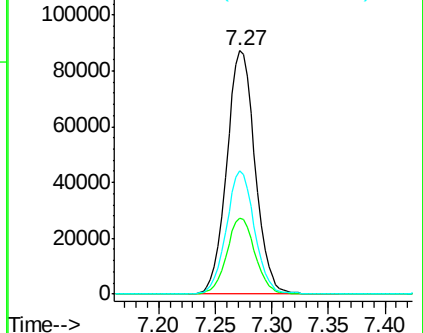
39 50.5 39.8 59.6

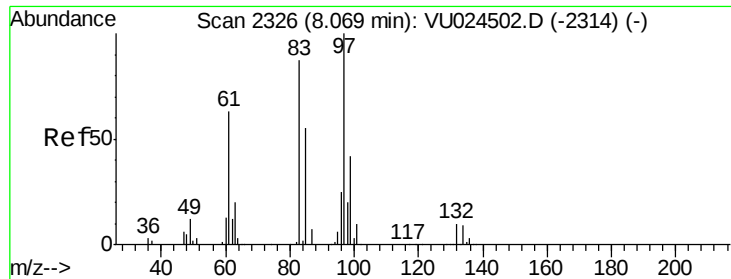


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

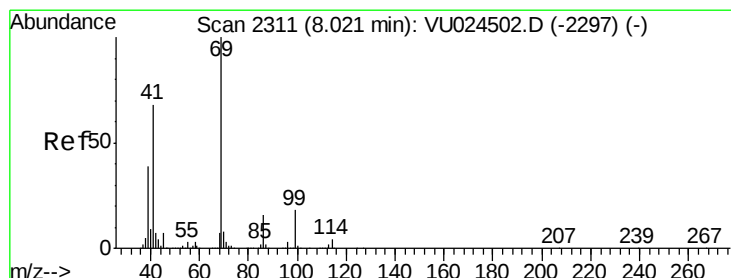
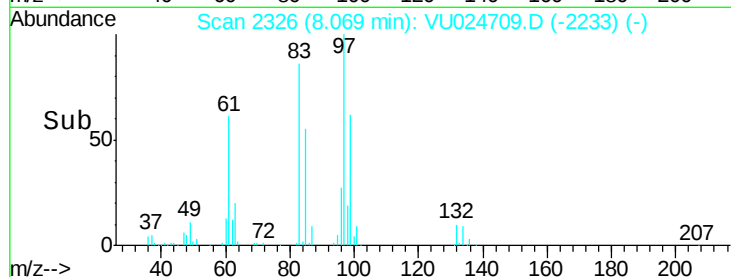
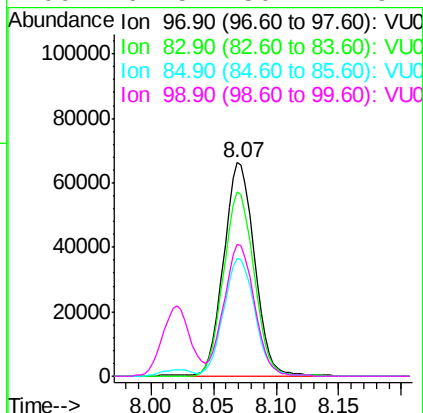
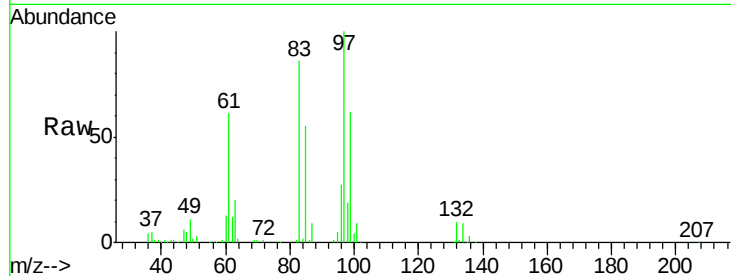




#55
 1,1,2-Trichloroethane
 Concen: 51.405 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

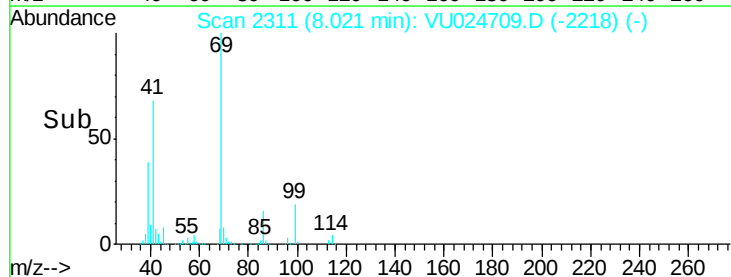
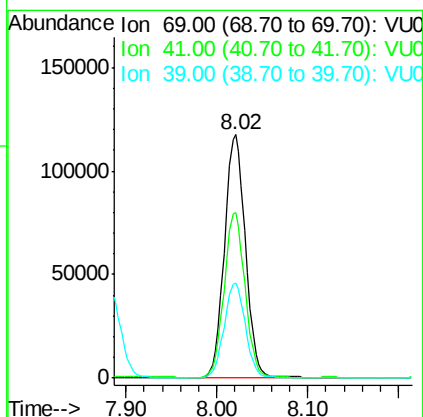
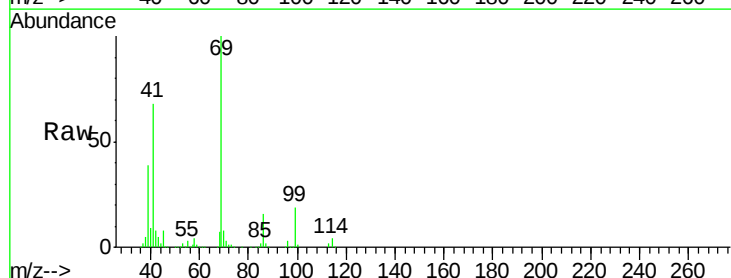
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

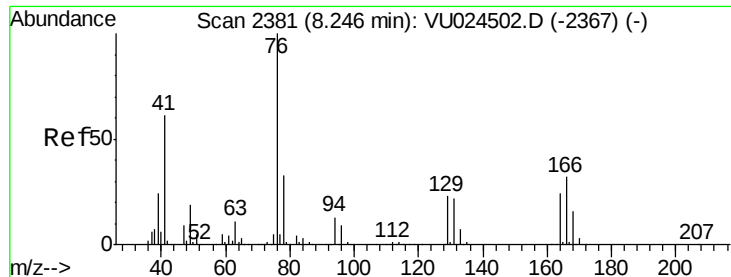
Tgt Ion:	97	Resp:	112645
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.5	105.7
85	55.3	46.4	69.6
99	61.5	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 51.644 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion:	69	Resp:	189413
Ion	Ratio	Lower	Upper
69	100		
41	67.2	54.1	81.1
39	39.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 50.932 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

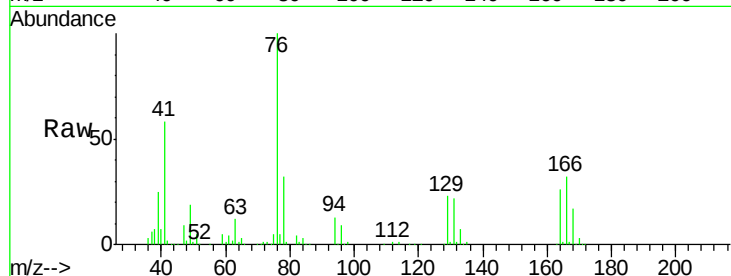
VSTDCCC050

Tgt Ion: 76 Resp: 188272

Ion Ratio Lower Upper

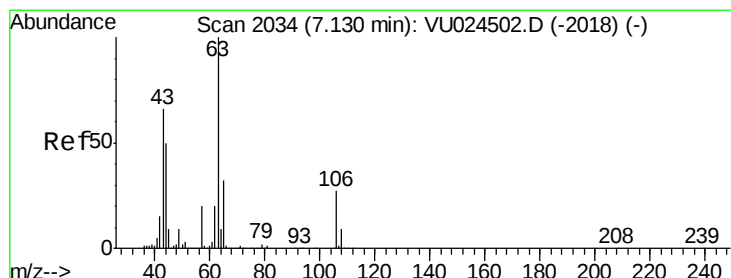
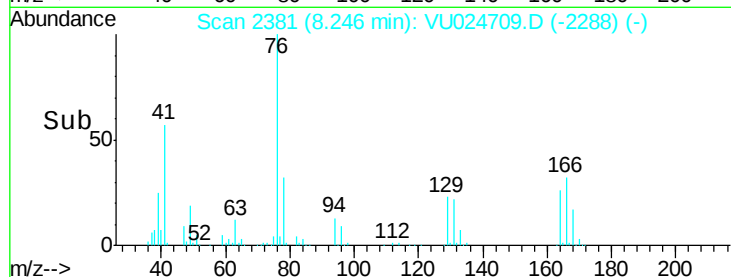
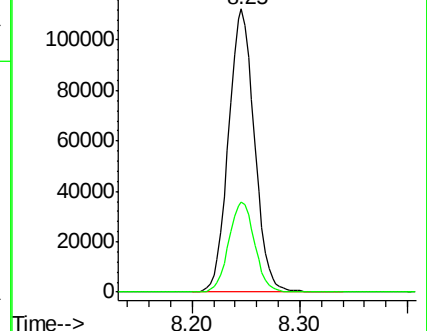
76 100

78 31.9 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 304.295 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024709.D

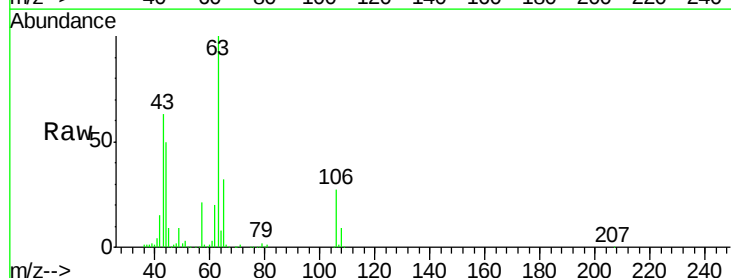
Acq: 18 Jun 2018 22:41

Tgt Ion: 63 Resp: 427568

Ion Ratio Lower Upper

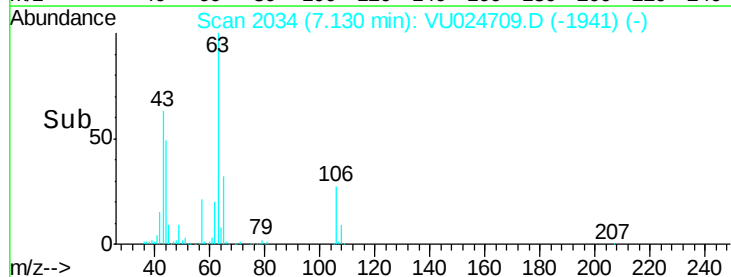
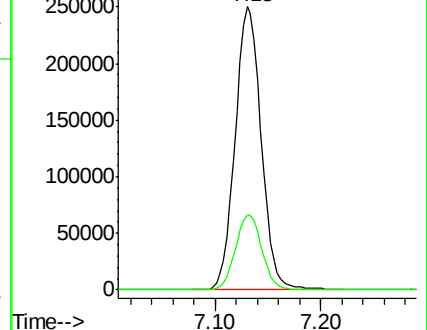
63 100

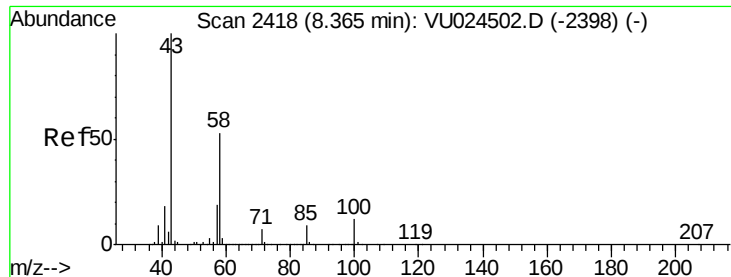
106 26.8 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

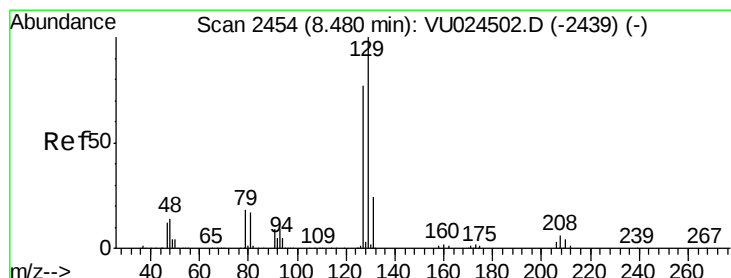
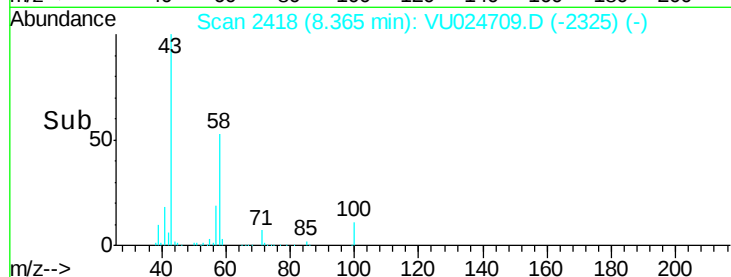
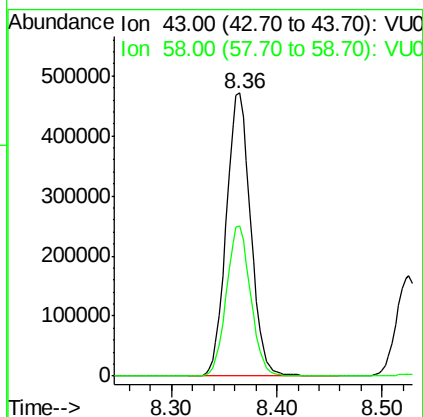
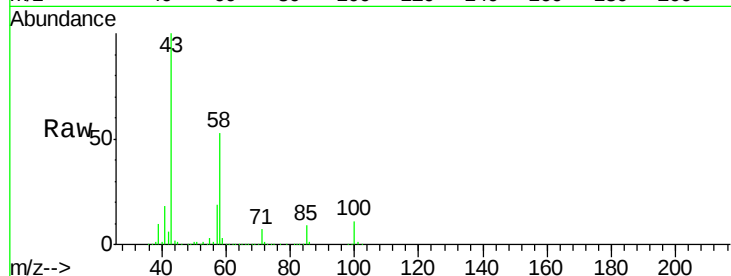




#59
2-Hexanone
Concen: 264.199 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

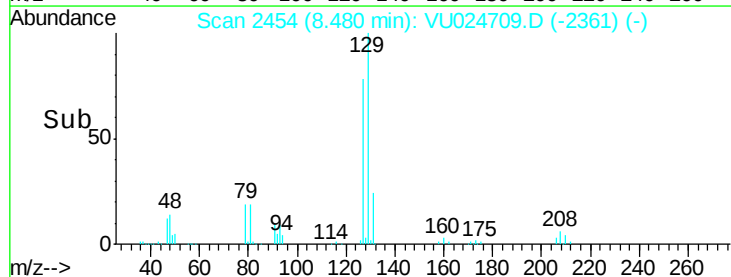
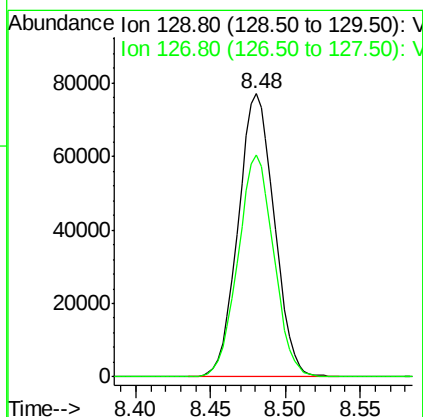
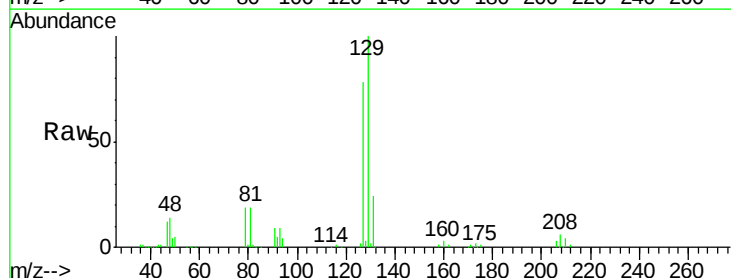
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

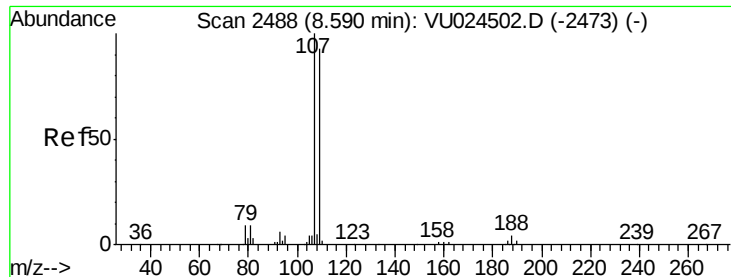
Tgt Ion: 43 Resp: 750734
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0



#60
Dibromochloromethane
Concen: 47.407 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 129 Resp: 129544
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.158 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

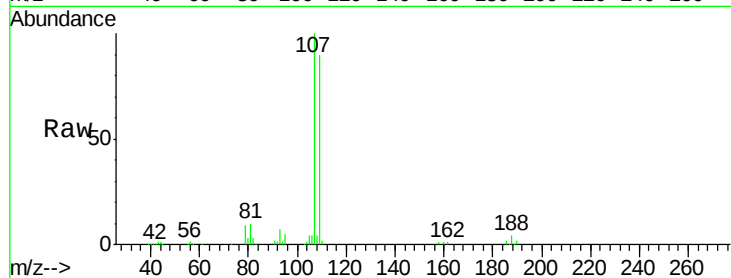
VSTDCCC050

Tgt Ion: 107 Resp: 124774

Ion Ratio Lower Upper

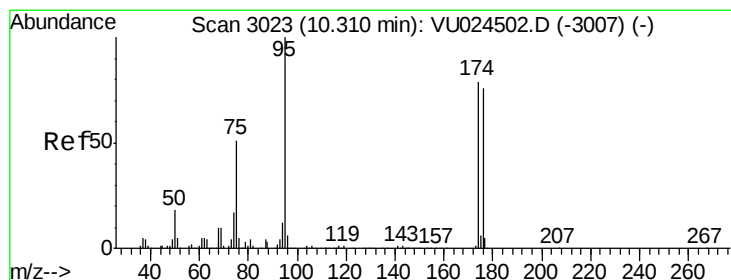
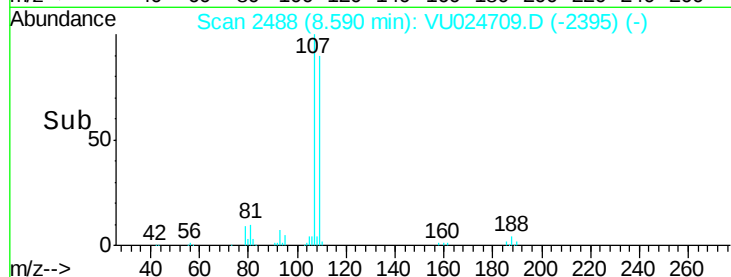
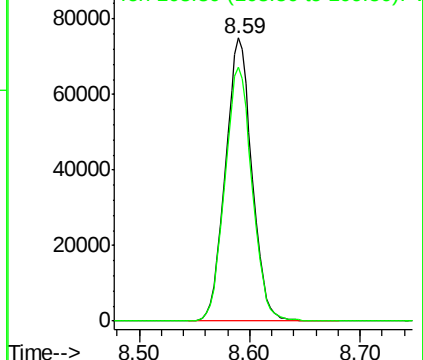
107 100

109 92.3 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: 48.956 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

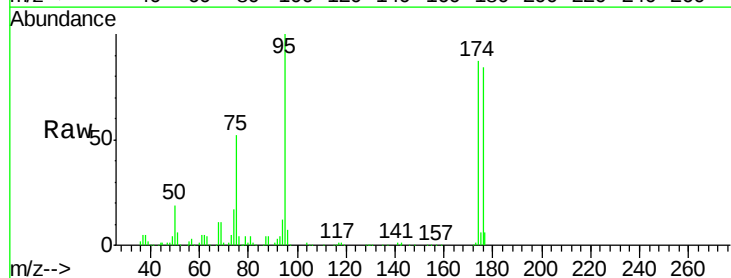
Tgt Ion: 95 Resp: 147251

Ion Ratio Lower Upper

95 100

174 85.9 0.0 165.8

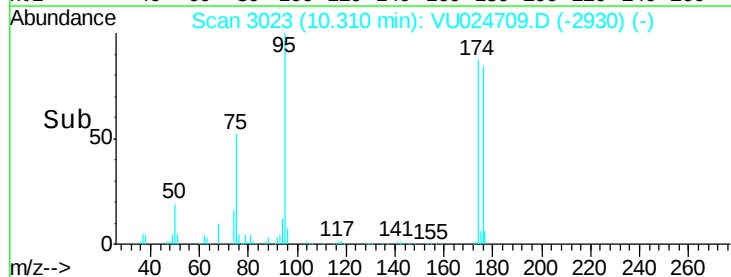
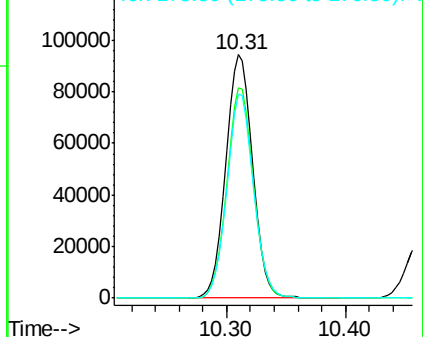
176 83.3 0.0 159.4

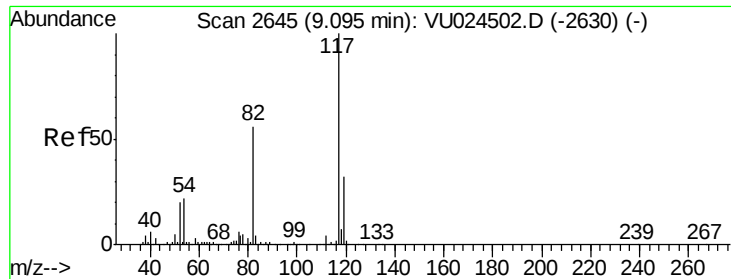


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

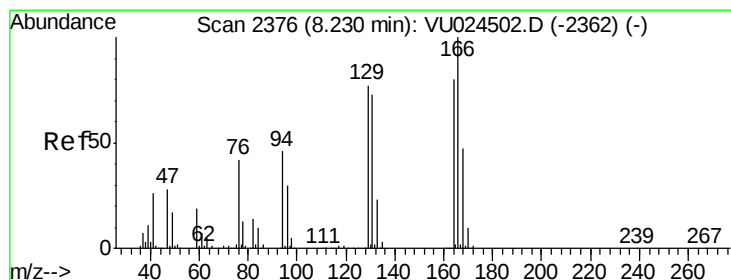
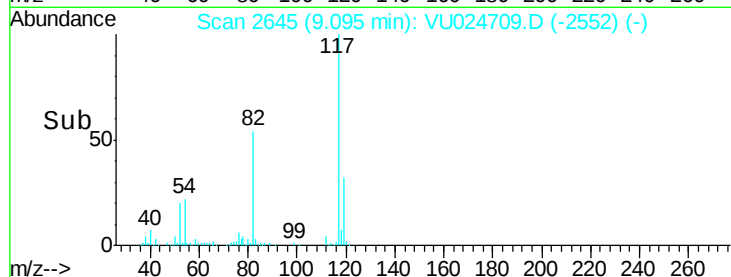
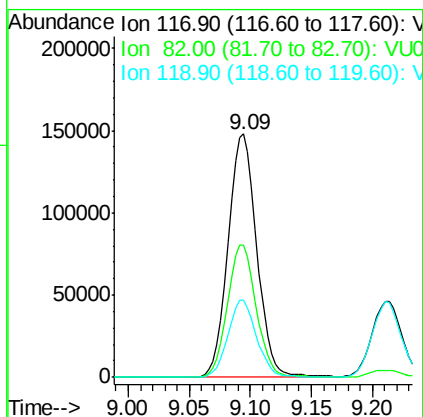
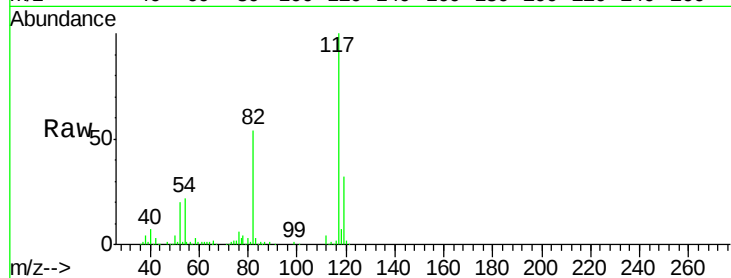




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

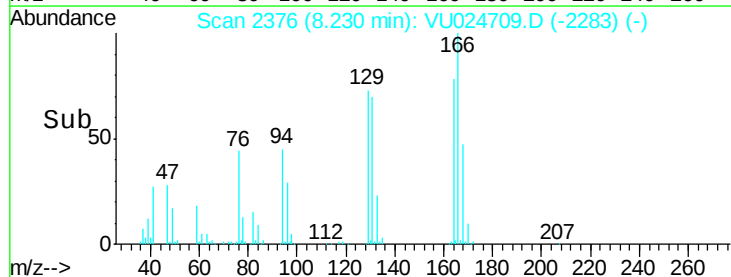
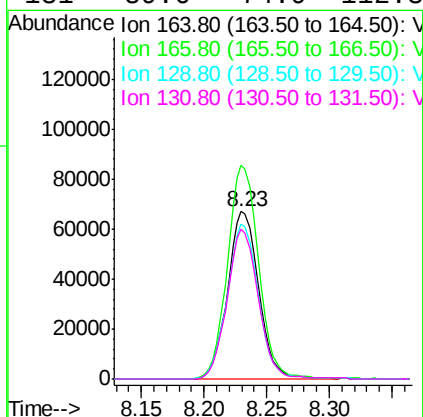
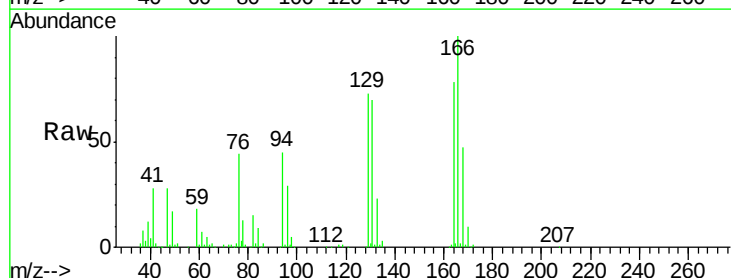
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

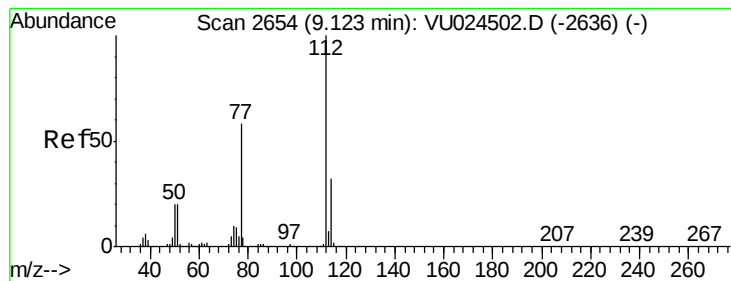
Tgt Ion:117 Resp: 243992
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 49.783 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion:164 Resp: 115459
Ion Ratio Lower Upper
164 100
166 127.4 101.7 152.5
129 92.6 76.9 115.3
131 89.6 74.9 112.3





#65

Chlorobenzene

Concen: 47.612 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

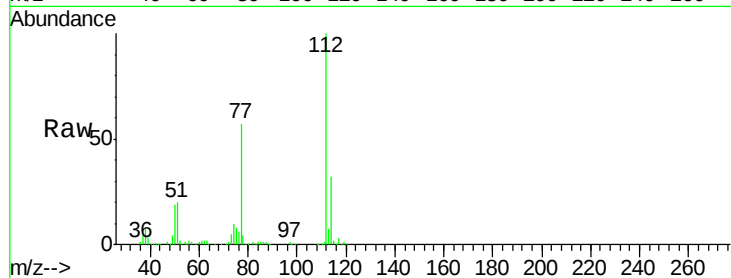
VSTDCCC050

Tgt Ion:112 Resp: 296773

Ion Ratio Lower Upper

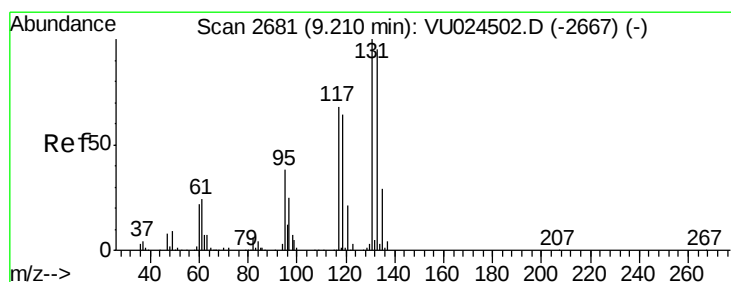
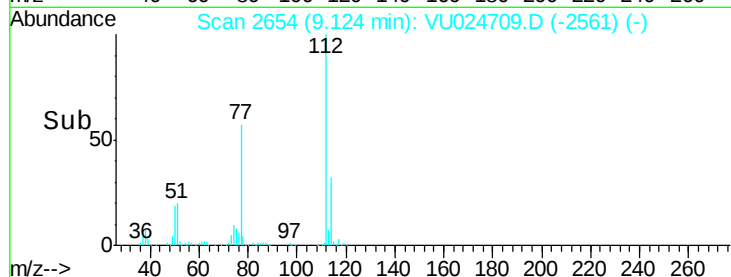
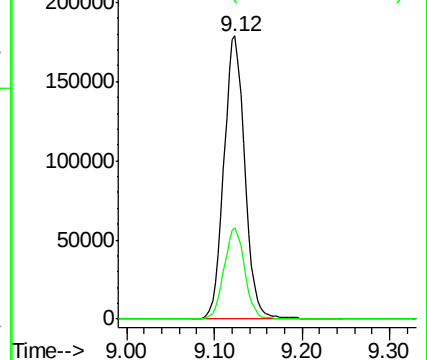
112 100

114 32.2 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: 48.584 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

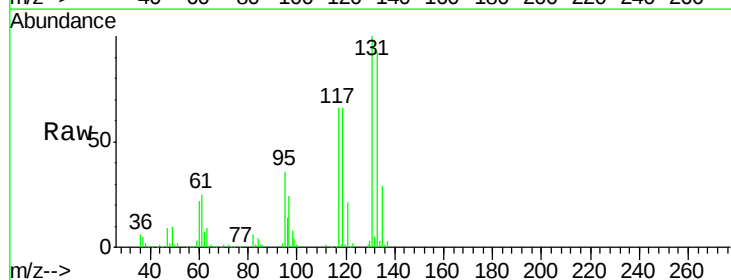
Tgt Ion:131 Resp: 115050

Ion Ratio Lower Upper

131 100

133 95.3 46.9 140.8

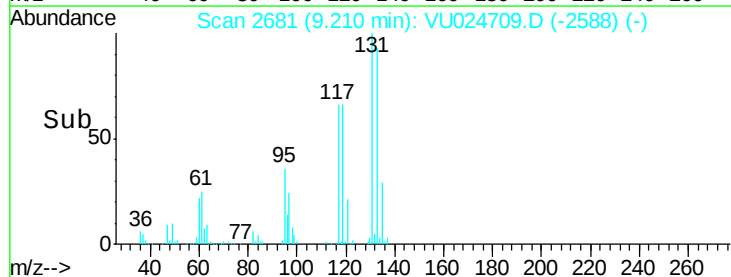
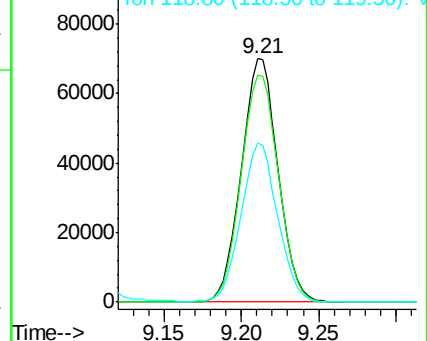
119 65.3 33.5 100.4

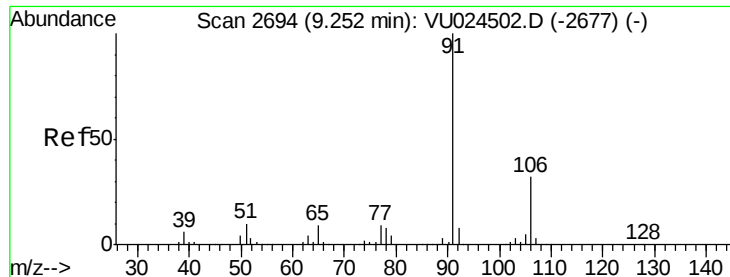


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

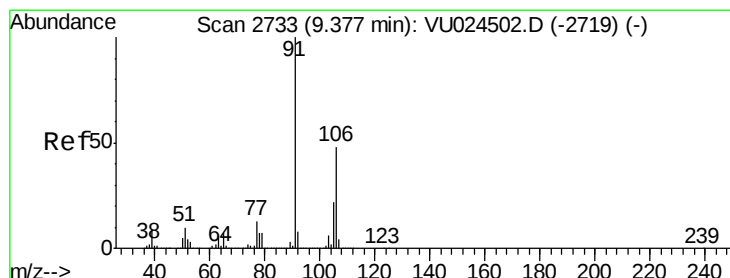
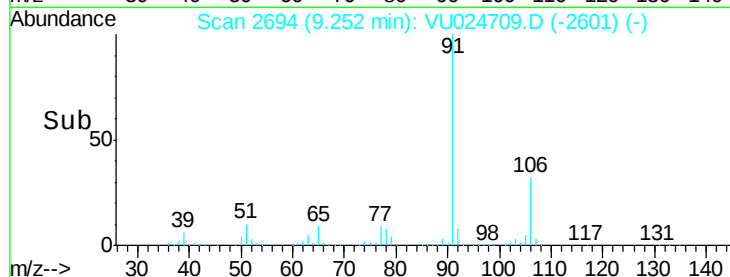
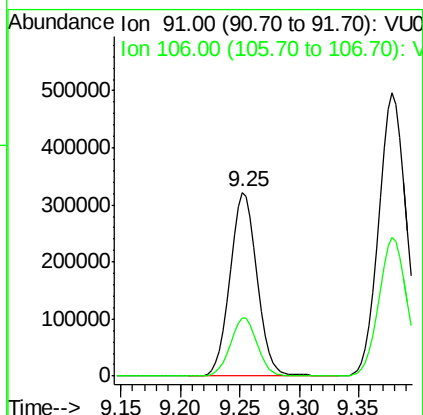
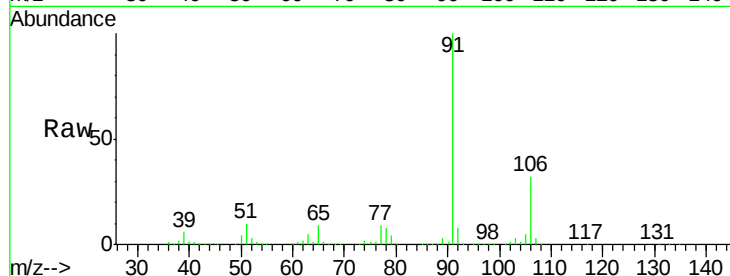




#67
Ethyl Benzene
Concen: 46.483 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

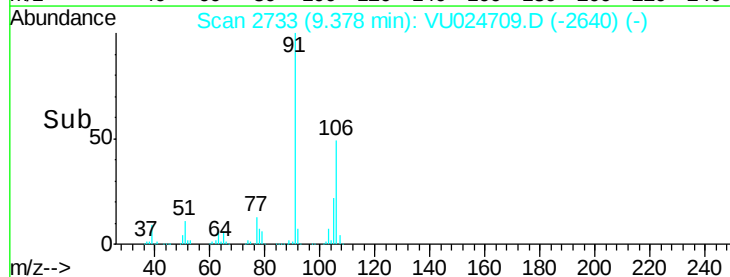
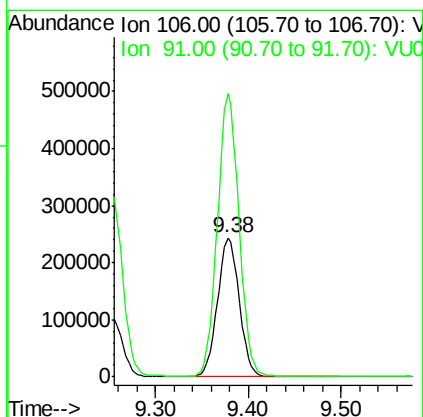
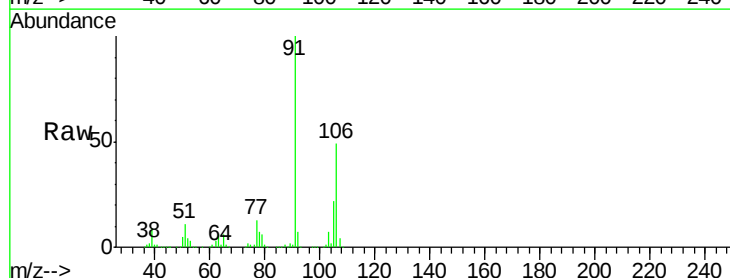
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

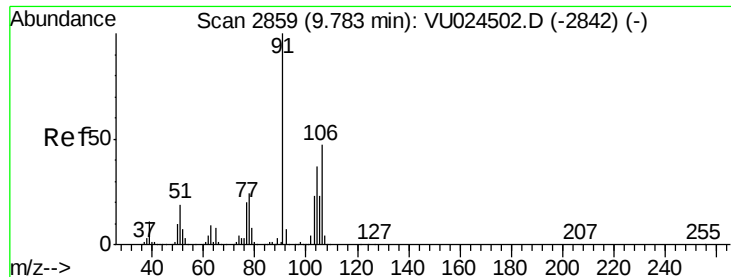
Tgt Ion: 91 Resp: 507924
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4



#68
m/p-Xylenes
Concen: 94.587 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 106 Resp: 396888
Ion Ratio Lower Upper
106 100
91 200.8 166.5 249.7

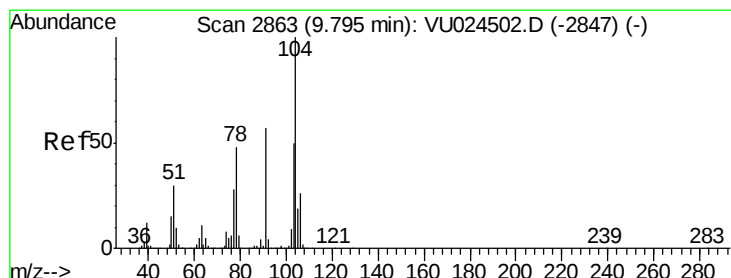
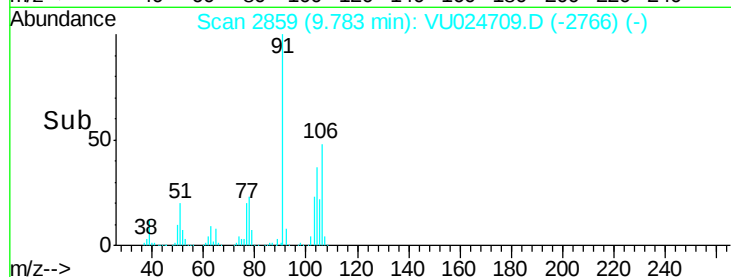
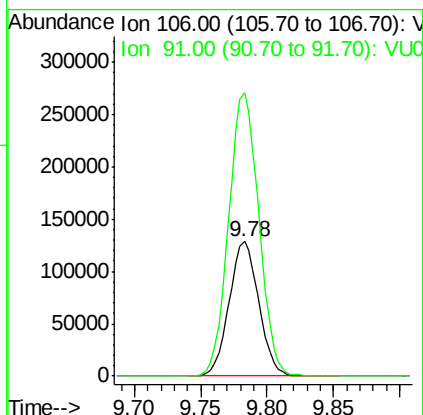
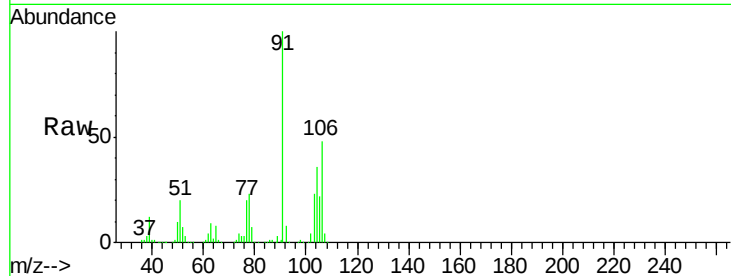




#69
o-Xylene
Concen: 48.154 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

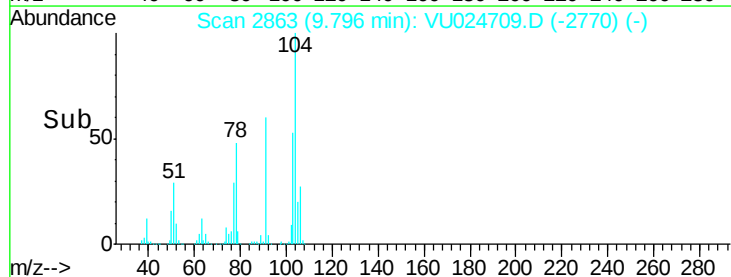
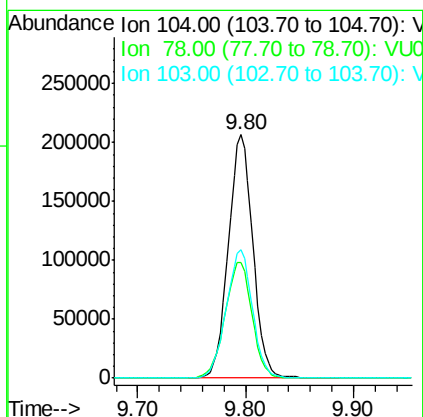
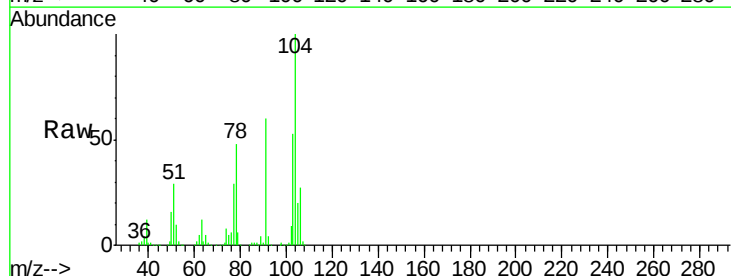
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

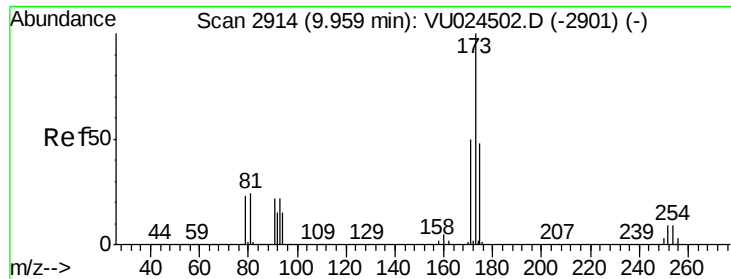
Tgt Ion:106 Resp: 199966
Ion Ratio Lower Upper
106 100
91 214.9 110.7 331.9



#70
Styrene
Concen: 48.091 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion:104 Resp: 328179
Ion Ratio Lower Upper
104 100
78 52.3 40.6 60.8
103 56.1 44.7 67.1





#71

Bromoform

Concen: 47.498 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

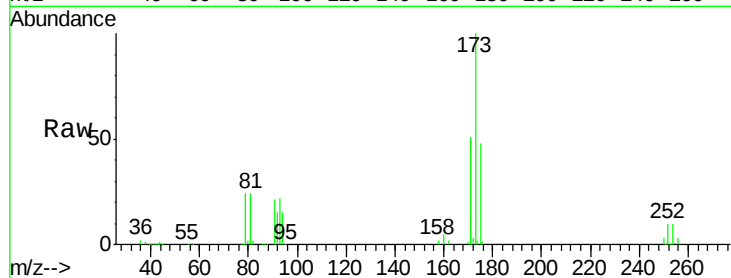
Tgt Ion:173 Resp: 106910

Ion Ratio Lower Upper

173 100

175 48.1 24.6 74.0

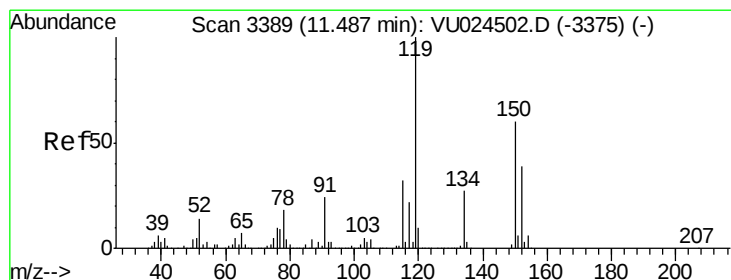
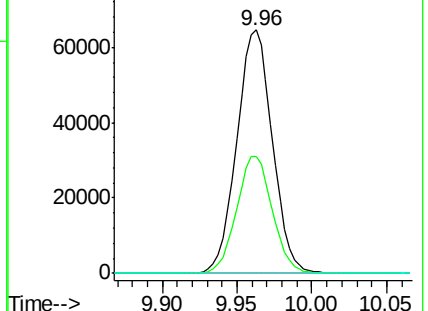
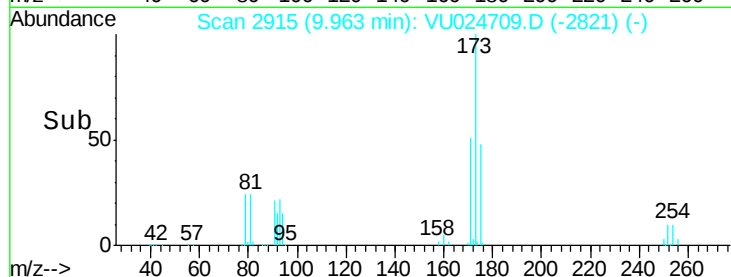
254 0.0 0.0 0.0#



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: VU024709.D

Acq: 18 Jun 2018 22:41

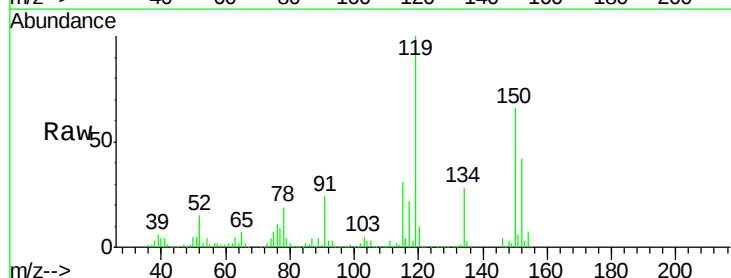
Tgt Ion:152 Resp: 144782

Ion Ratio Lower Upper

152 100

115 82.3 43.0 129.0

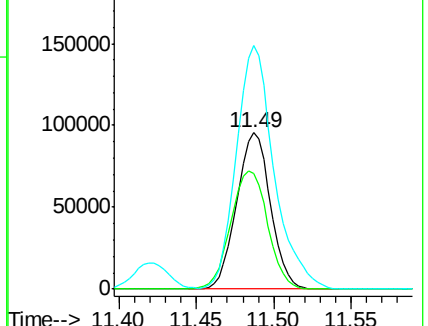
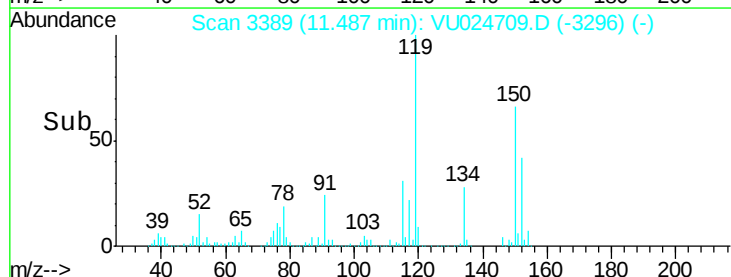
150 174.3 0.0 354.0

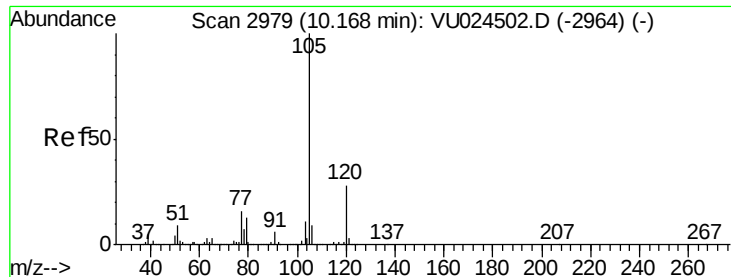


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.513 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

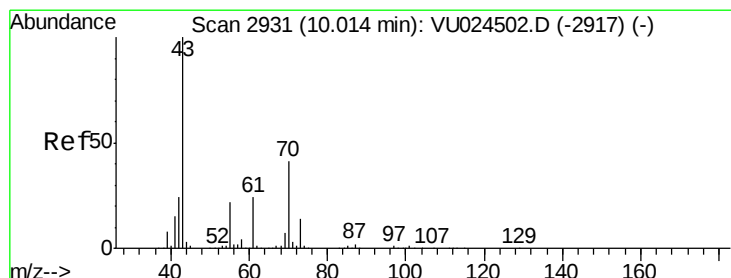
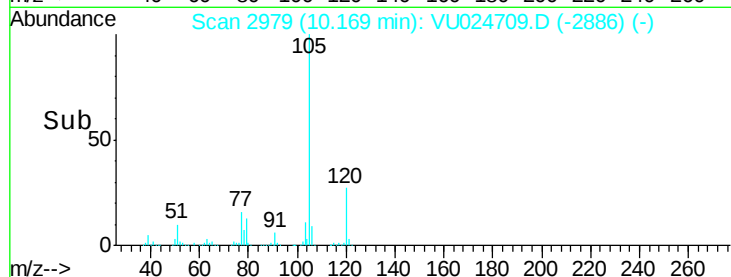
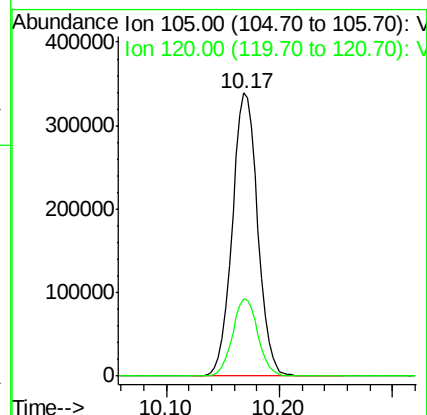
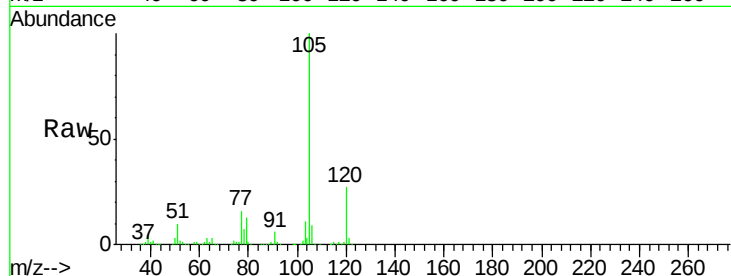
VSTDCCC050

Tgt Ion: 105 Resp: 528144

Ion Ratio Lower Upper

105 100

120 27.4 13.2 39.6



#74

N-ethyl acetate

Concen: 49.853 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion: 43 Resp: 263580

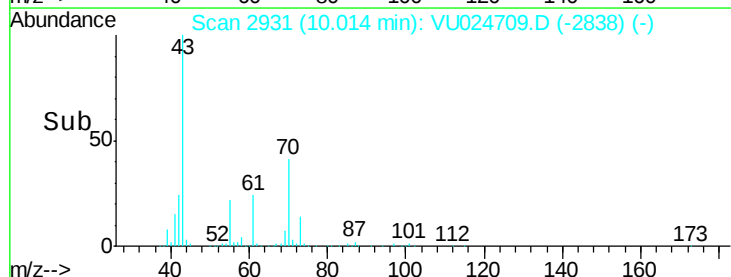
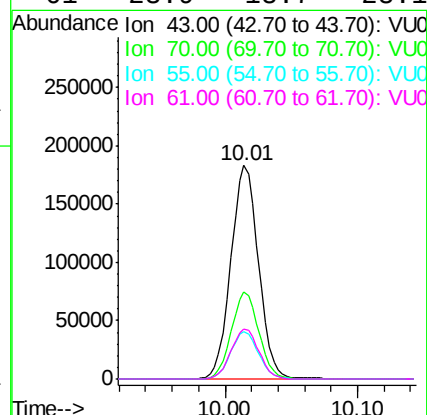
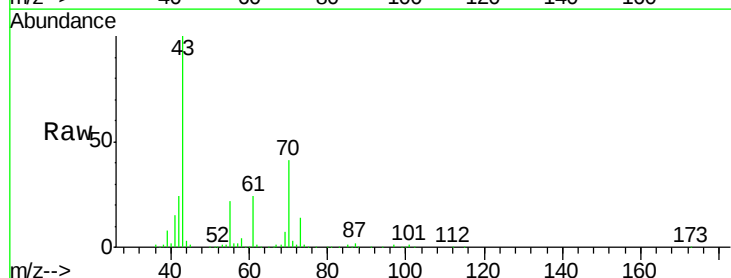
Ion Ratio Lower Upper

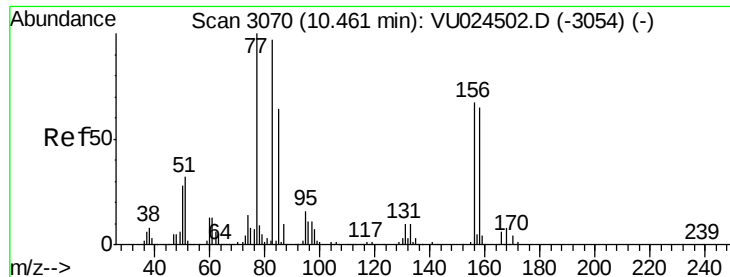
43 100

70 40.8 32.2 48.4

55 22.5 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.574 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

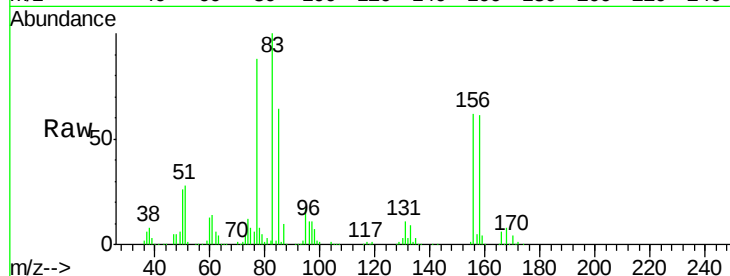
Tgt Ion: 83 Resp: 195834

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

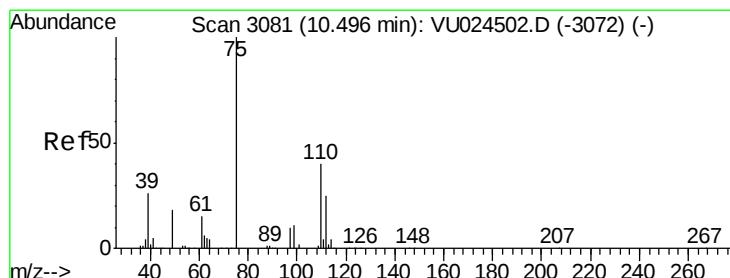
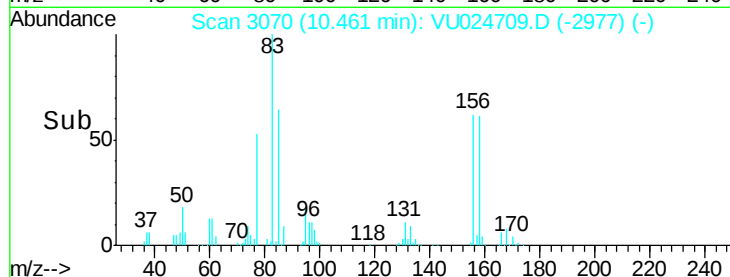
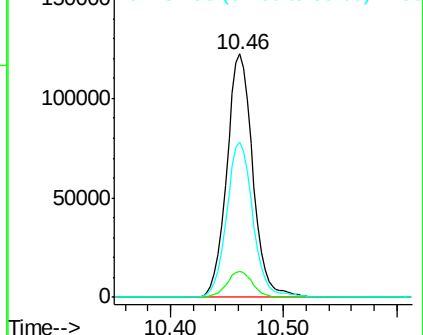
85 64.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 65.978 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024709.D

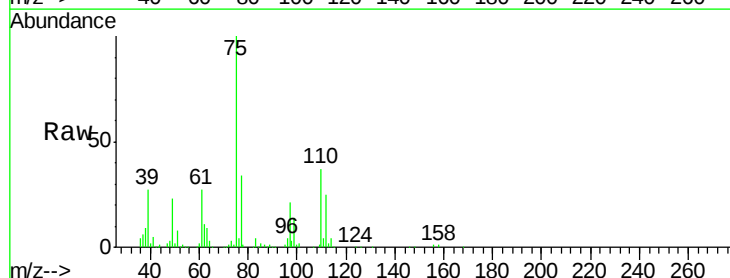
Acq: 18 Jun 2018 22:41

Tgt Ion: 75 Resp: 210309

Ion Ratio Lower Upper

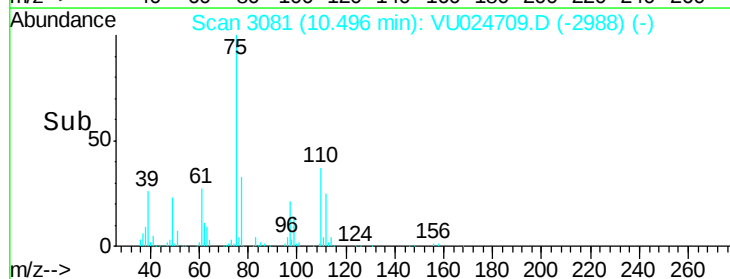
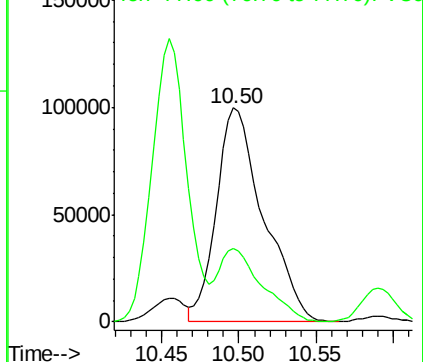
75 100

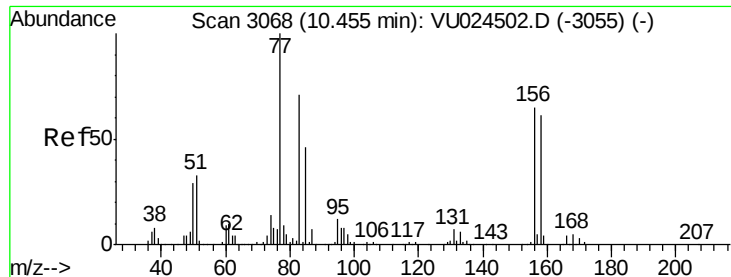
77 32.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 49.127 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

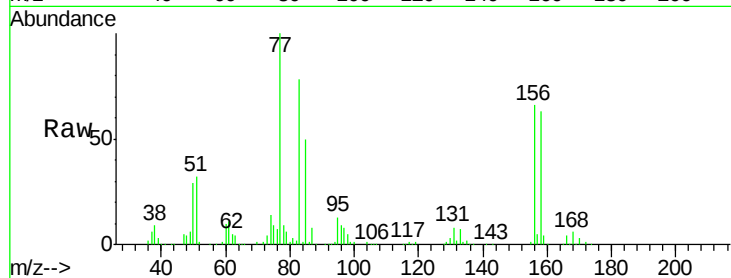
Tgt Ion:156 Resp: 138248

Ion Ratio Lower Upper

156 100

77 149.7 80.5 241.3

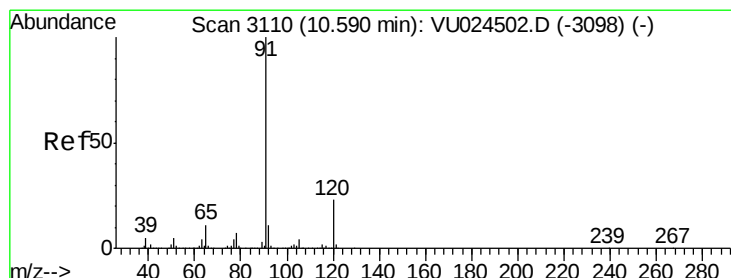
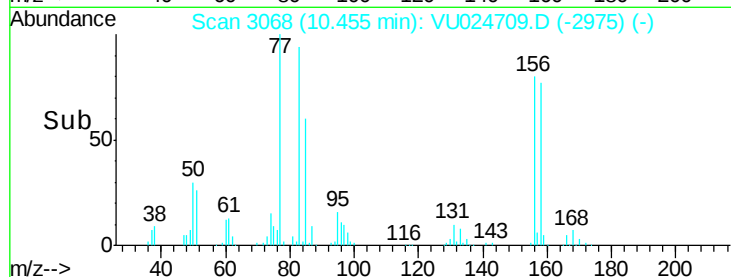
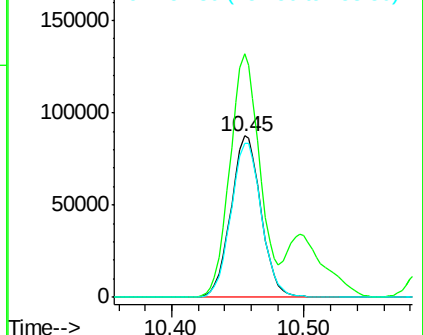
158 97.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.171 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024709.D

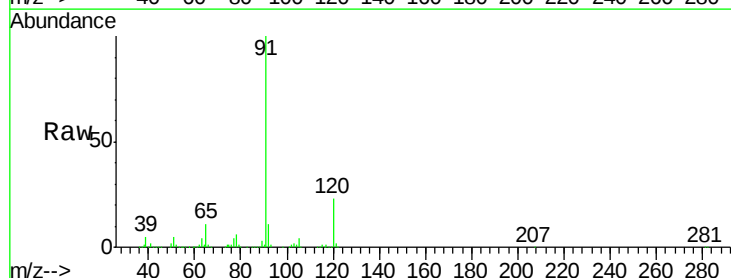
Acq: 18 Jun 2018 22:41

Tgt Ion: 91 Resp: 604572

Ion Ratio Lower Upper

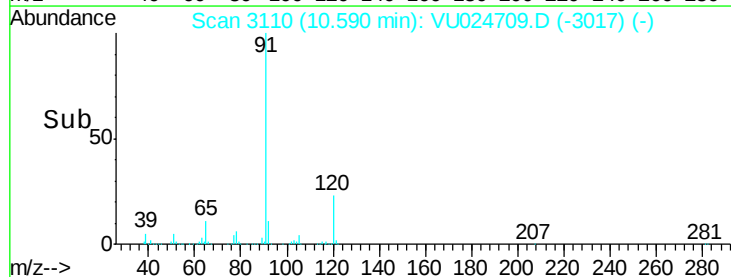
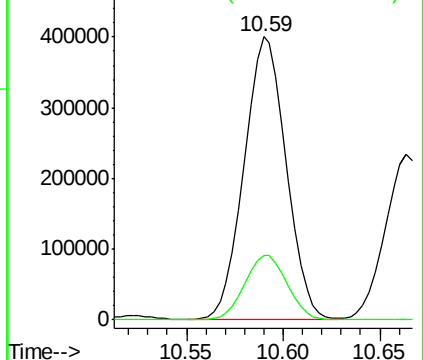
91 100

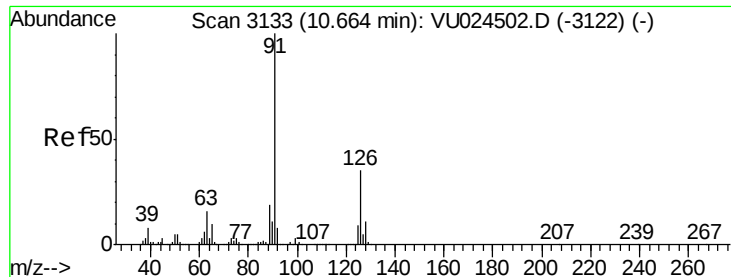
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.148 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

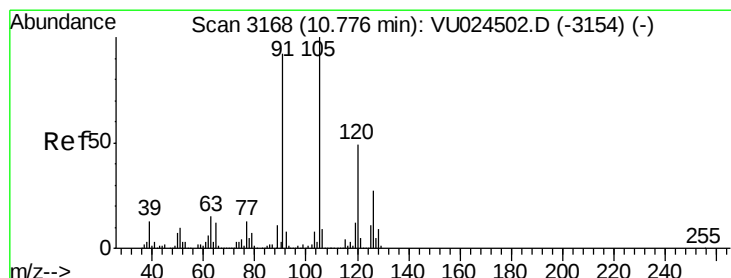
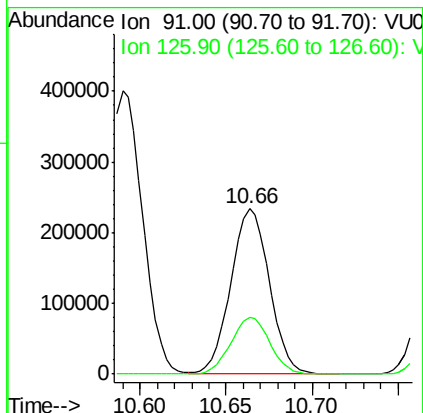
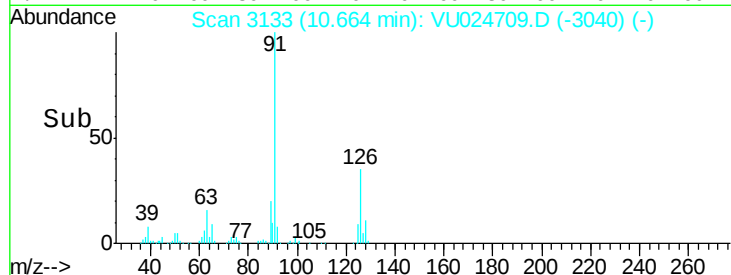
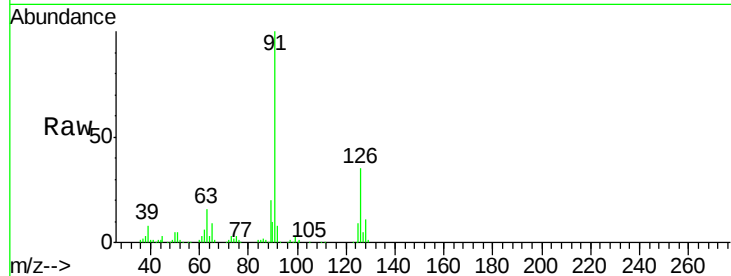
VSTDCCC050

Tgt Ion: 91 Resp: 364072

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 47.074 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024709.D

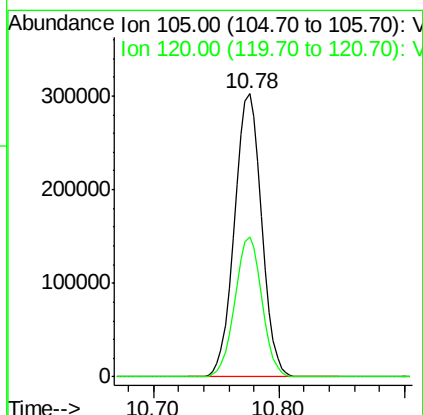
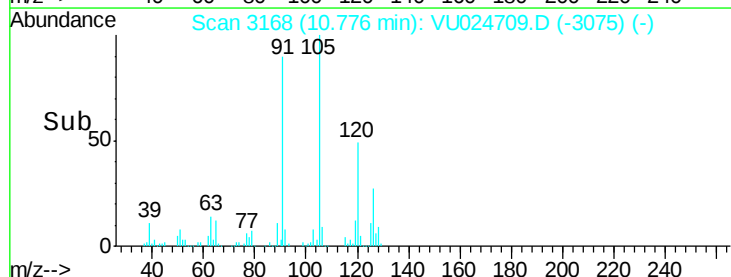
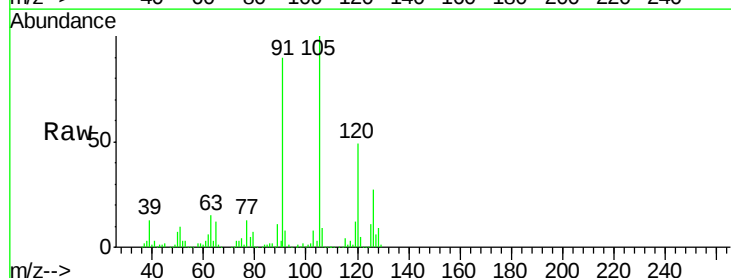
Acq: 18 Jun 2018 22:41

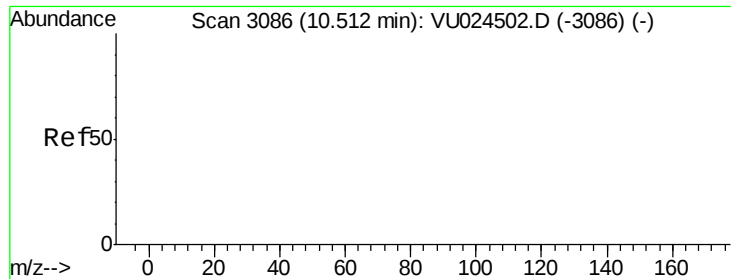
Tgt Ion: 105 Resp: 453537

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2

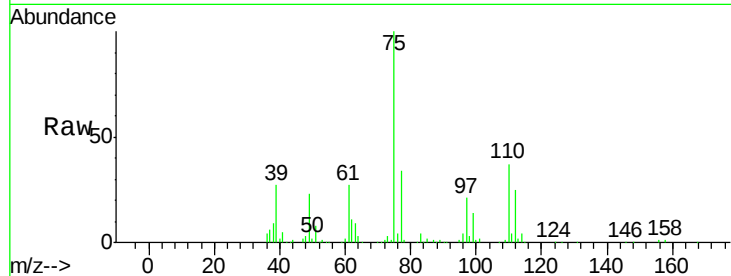




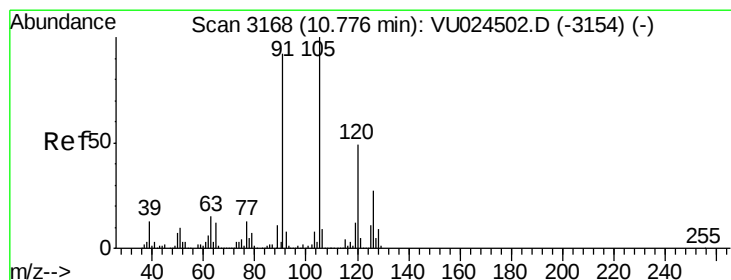
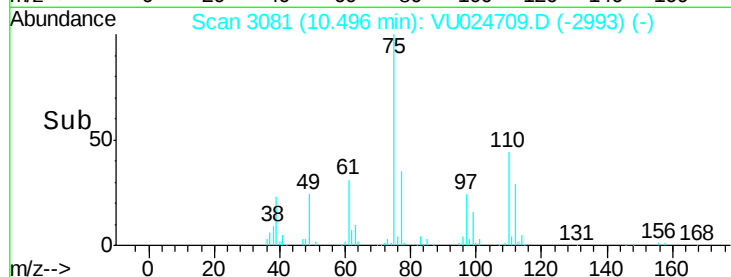
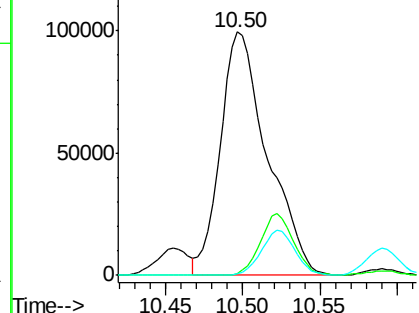
#81
trans-1,4-Dichloro-2-butene
Concen: 152.700 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 210309
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

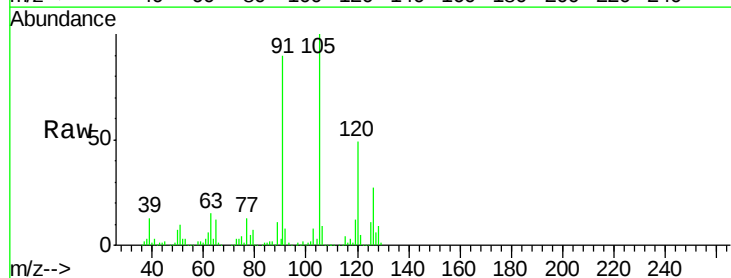


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

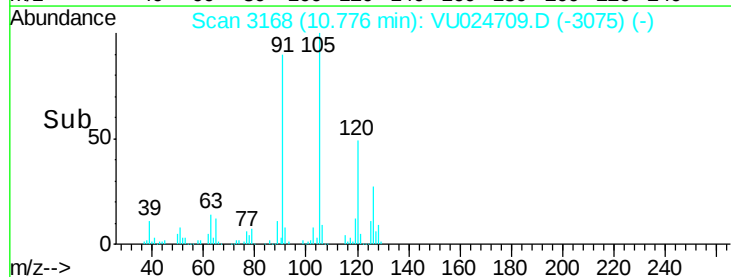
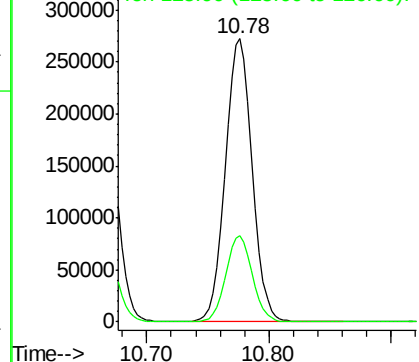


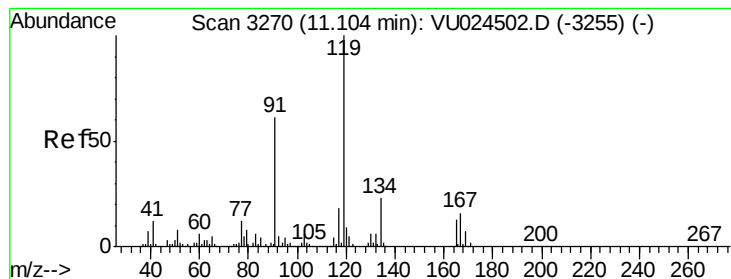
#82
4-Chlorotoluene
Concen: 46.658 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 91 Resp: 419345
Ion Ratio Lower Upper
91 100
126 30.2 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.802 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

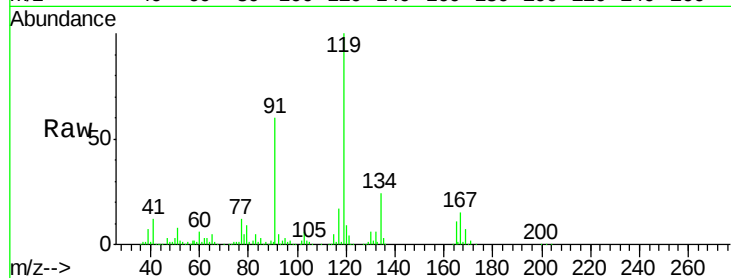
Tgt Ion:119 Resp: 443013

Ion Ratio Lower Upper

119 100

91 60.4 29.7 89.1

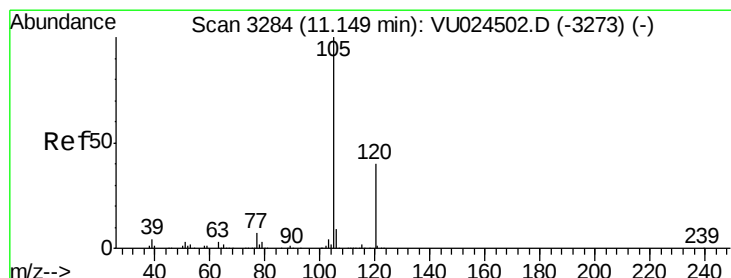
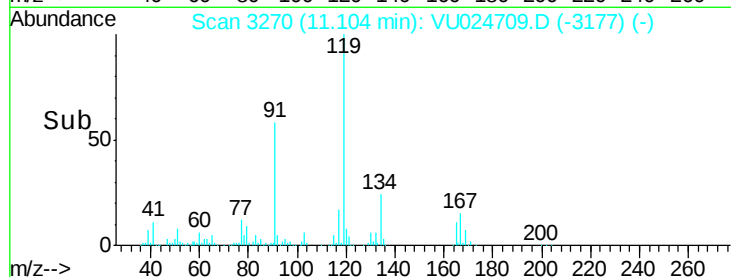
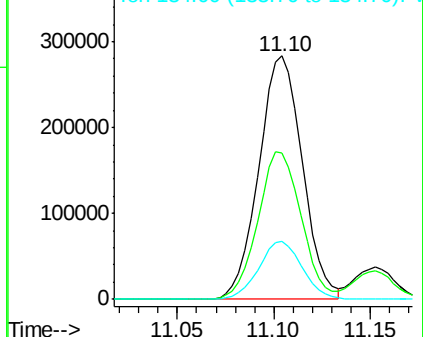
134 23.6 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.754 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024709.D

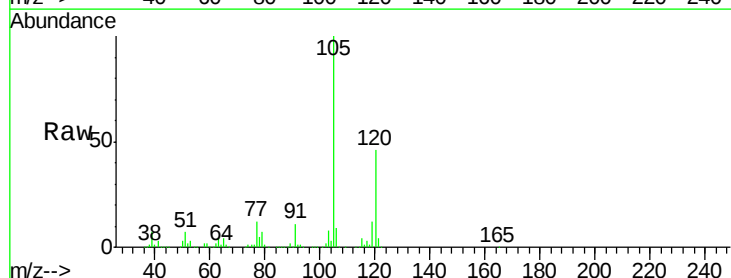
Acq: 18 Jun 2018 22:41

Tgt Ion:105 Resp: 468875

Ion Ratio Lower Upper

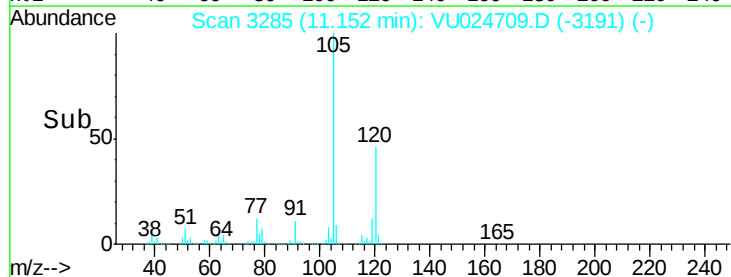
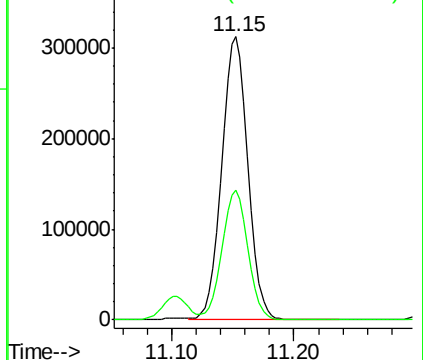
105 100

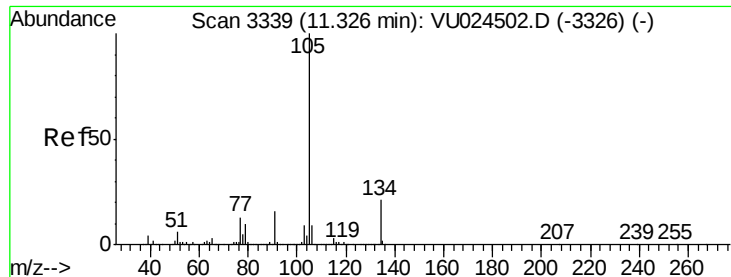
120 45.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.002 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

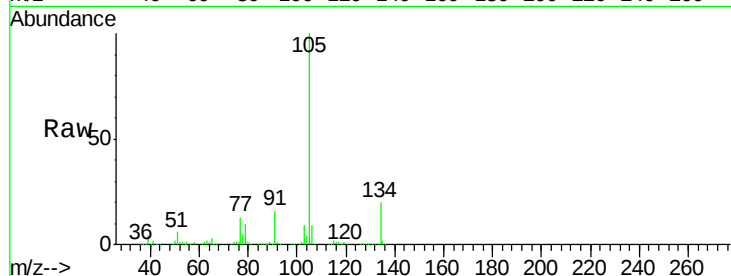
VSTDCCC050

Tgt Ion:105 Resp: 545262

Ion Ratio Lower Upper

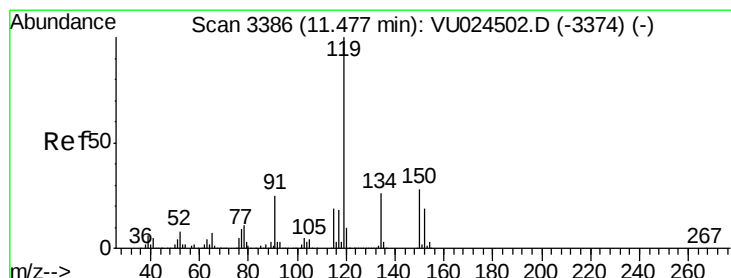
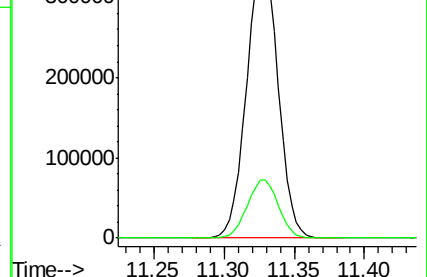
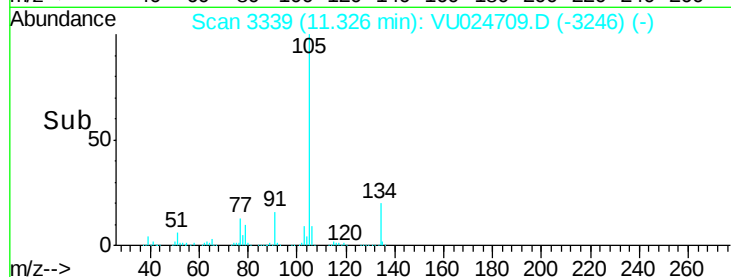
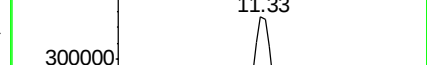
105 100

134 20.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.083 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

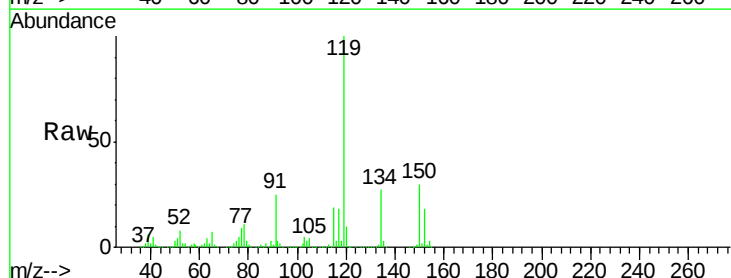
Tgt Ion:119 Resp: 478789

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

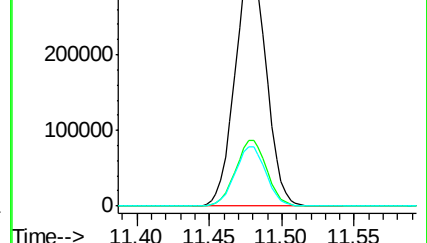
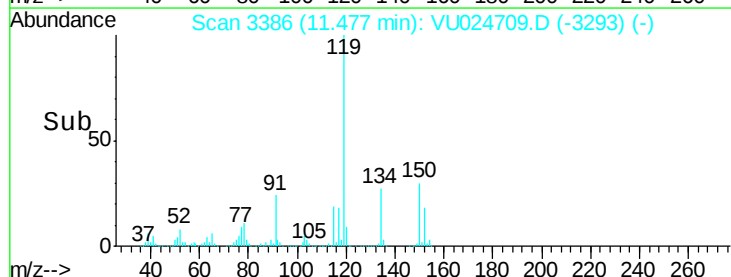
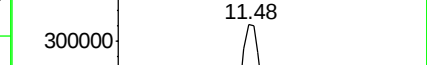
91 24.4 12.0 36.1

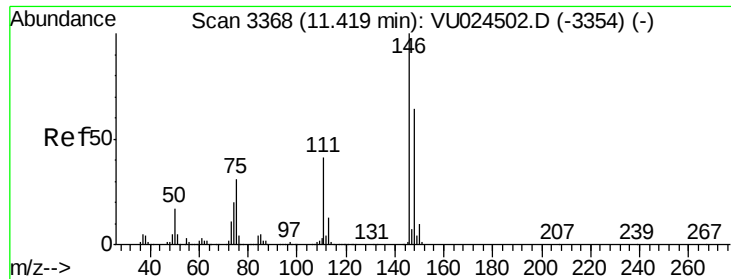


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

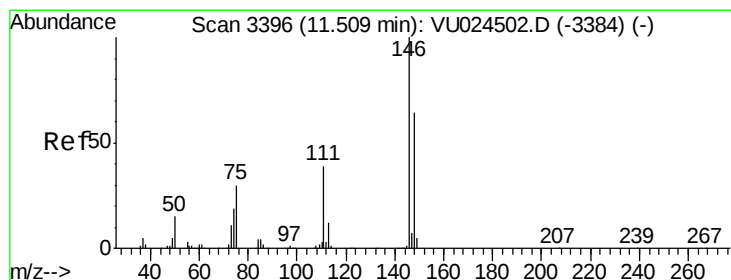
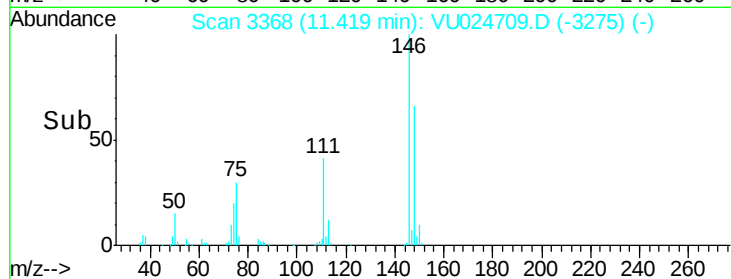
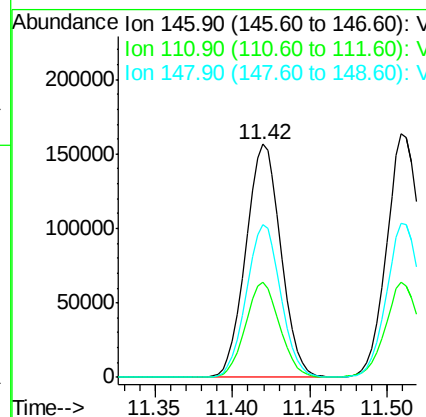
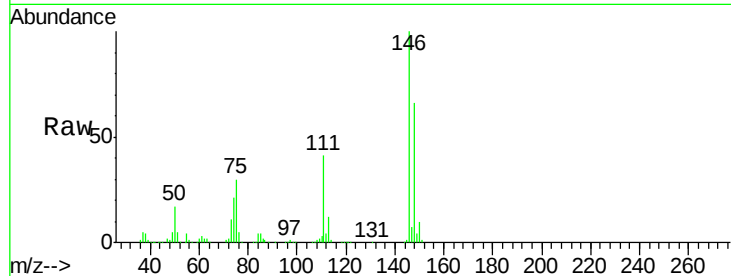




#87
 1,3-Dichlorobenzene
 Concen: 47.484 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

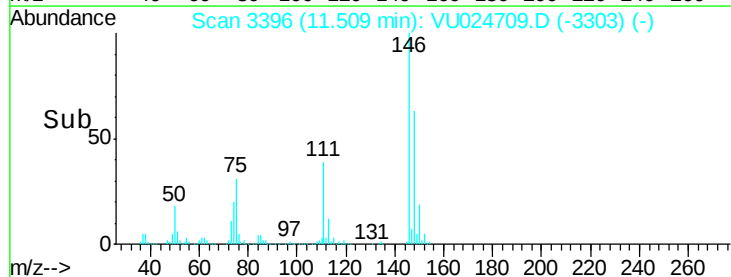
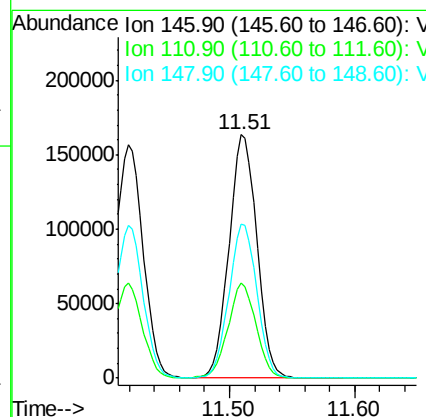
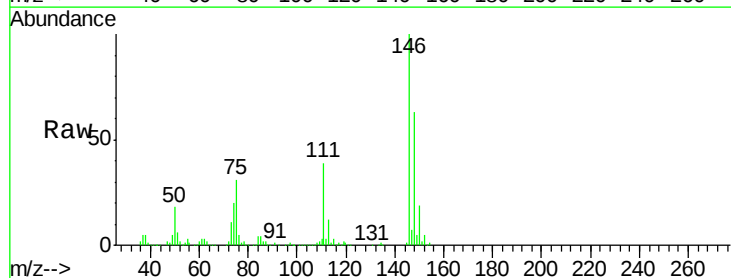
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

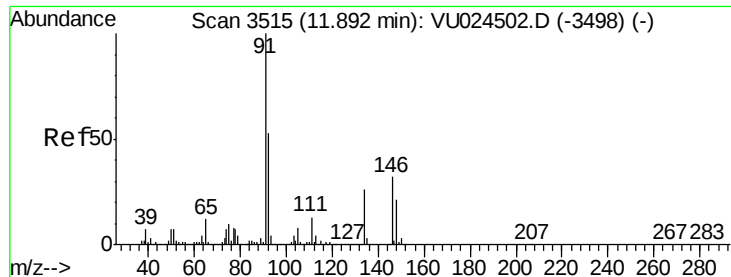
Tgt Ion:146 Resp: 246873
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.043 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion:146 Resp: 251401
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.5 58.5
 148 63.9 32.4 97.0





#89

n-Butylbenzene

Concen: 42.826 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

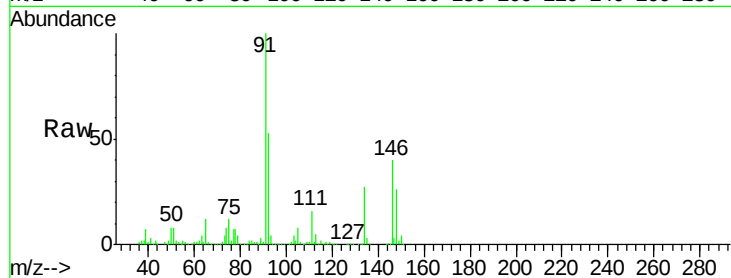
Tgt Ion: 91 Resp: 395037

Ion Ratio Lower Upper

91 100

92 53.0 25.6 76.8

134 27.1 12.3 36.8

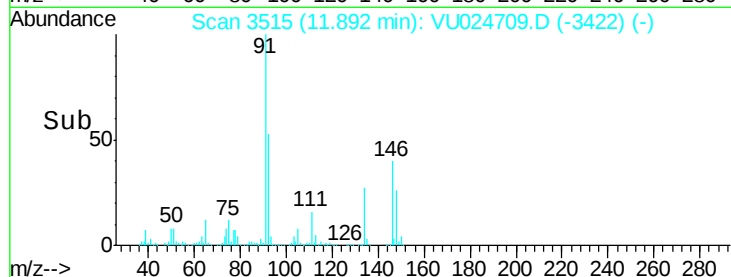


Abundance Ion 91.00 (90.70 to 91.70): VU024709.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU024709.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU024709.D (-3422) (-)

Time--> 11.80 11.85 11.90 11.95

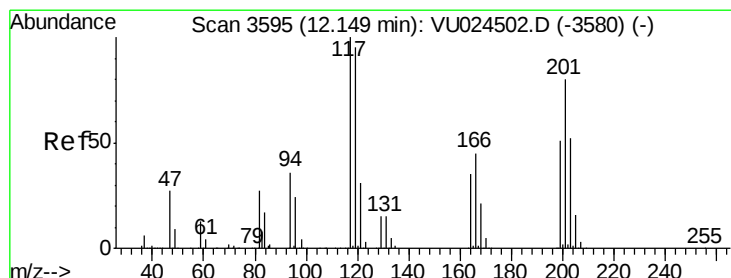


Abundance Ion 91.00 (90.70 to 91.70): VU024709.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU024709.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU024709.D (-3422) (-)

Time--> 11.80 11.85 11.90 11.95



#90

Hexachloroethane

Concen: 44.203 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024709.D

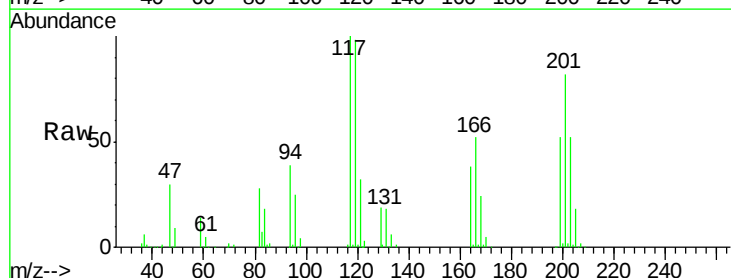
Acq: 18 Jun 2018 22:41

Tgt Ion: 117 Resp: 89590

Ion Ratio Lower Upper

117 100

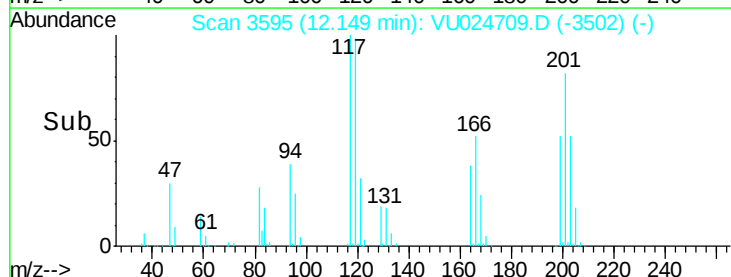
201 83.7 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU024709.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU024709.D (-3502) (-)

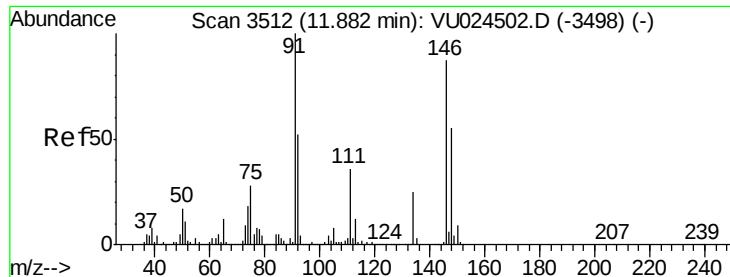
Time--> 12.10 12.15 12.20



Abundance Ion 116.80 (116.50 to 117.50): VU024709.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU024709.D (-3502) (-)

Time--> 12.10 12.15 12.20



#91

1,2-Dichlorobenzene

Concen: 49.902 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

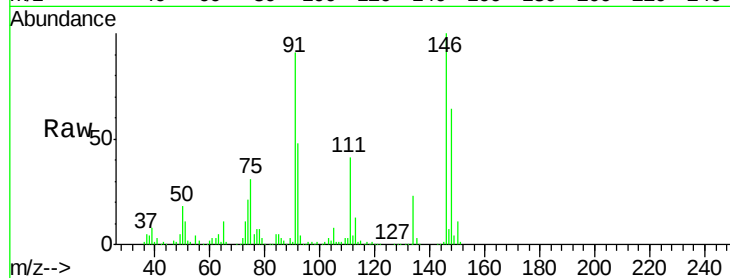
Tgt Ion: 146 Resp: 259867

Ion Ratio Lower Upper

146 100

111 41.3 20.5 61.6

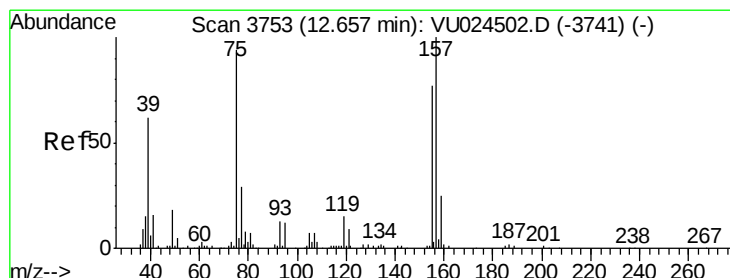
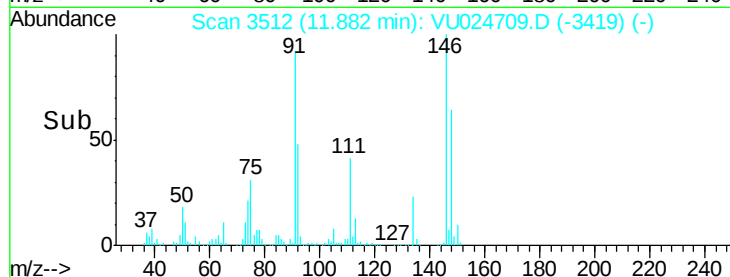
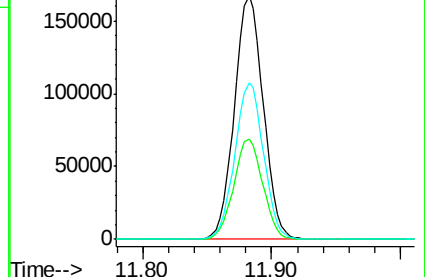
148 64.0 31.9 95.7



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: 51.187 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

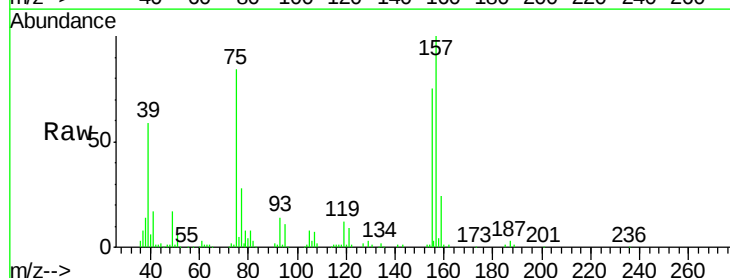
Tgt Ion: 75 Resp: 52611

Ion Ratio Lower Upper

75 100

155 89.6 40.4 121.2

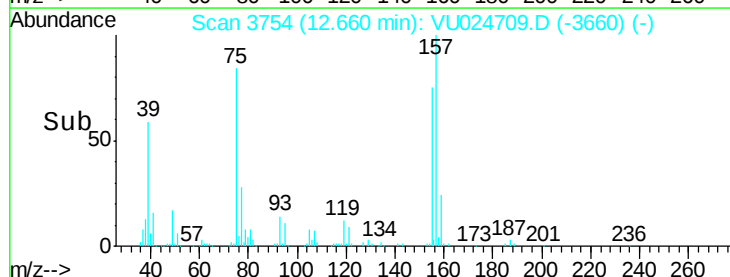
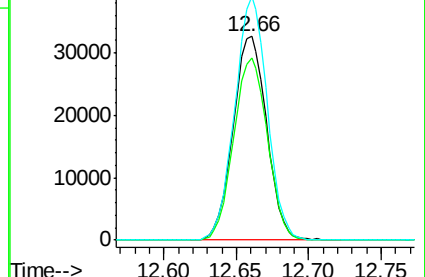
157 115.2 52.3 156.8

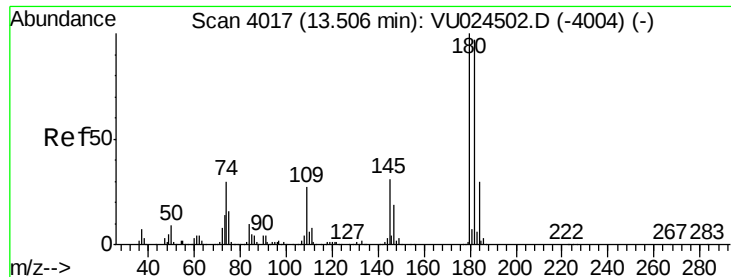


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

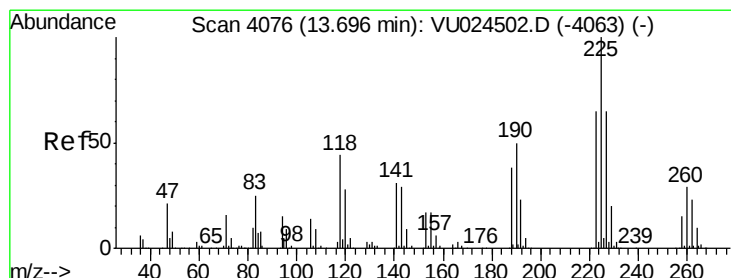
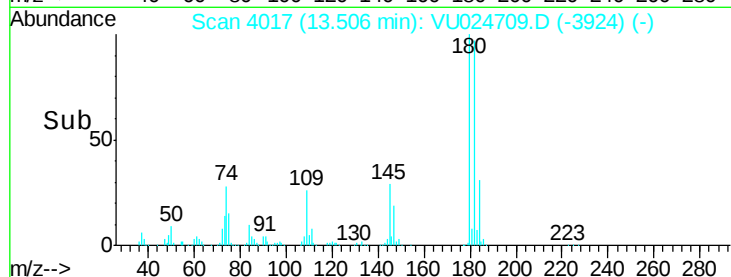
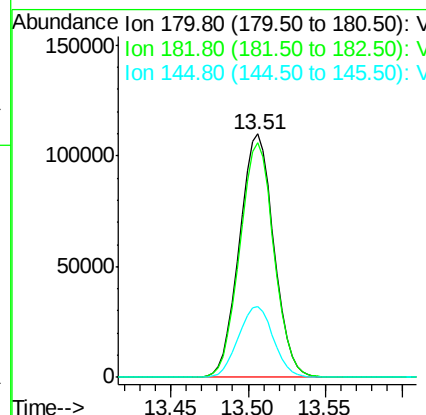
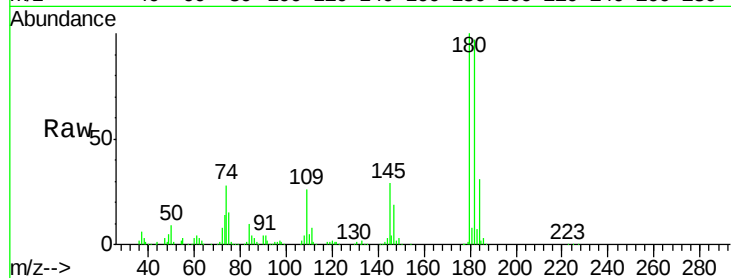




#93
 1,2,4-Trichlorobenzene
 Concen: 52.763 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

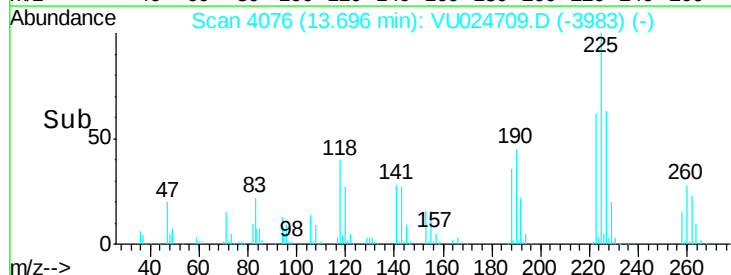
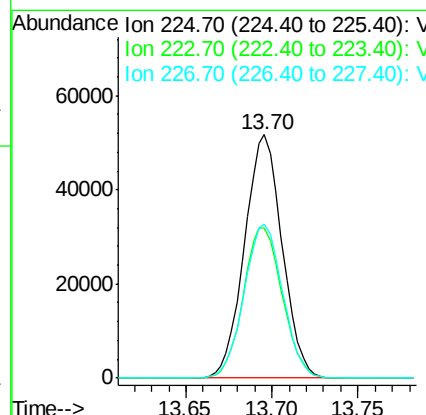
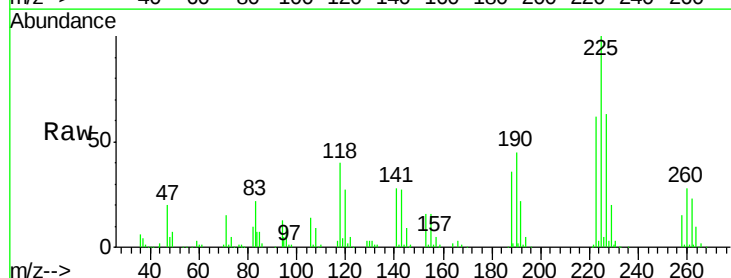
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

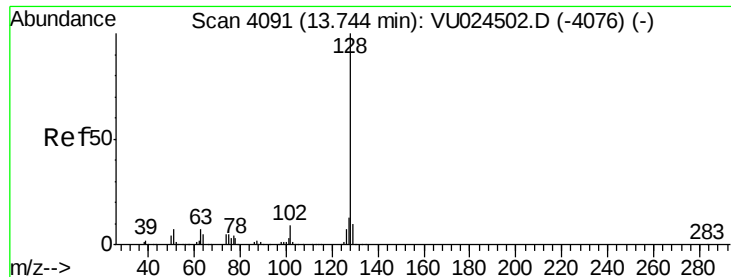
Tgt Ion:180 Resp: 169672
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.0 144.2
 145 29.7 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 43.394 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion:225 Resp: 78544
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.3 93.8
 227 64.6 31.8 95.4





#95

Naphthalene

Concen: 56.331 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

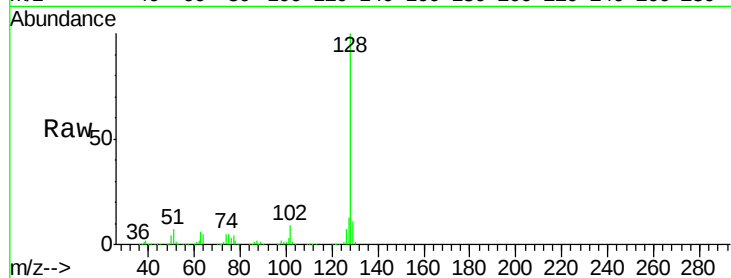
Tgt Ion:128 Resp: 600623

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

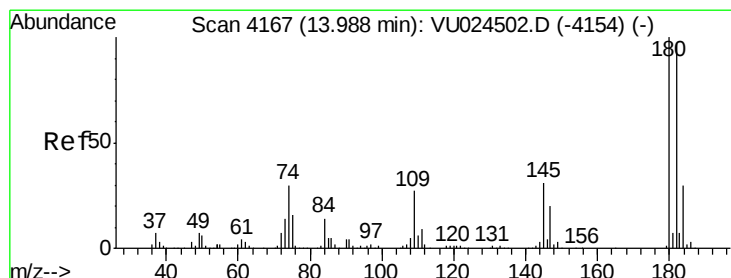
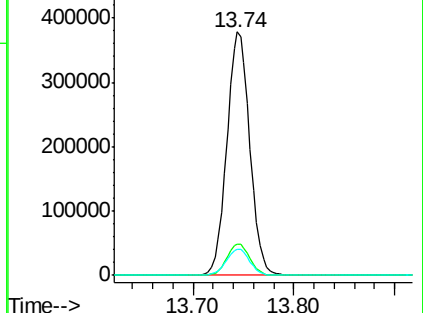
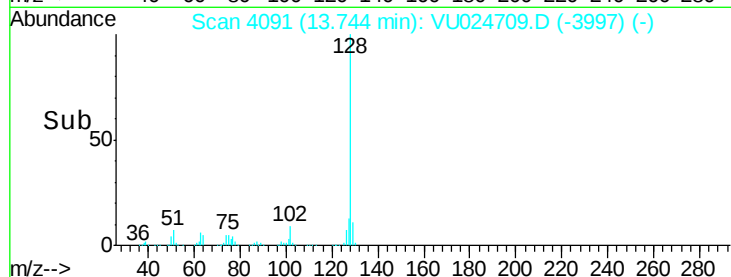
129 11.1 8.6 12.8



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: 56.354 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

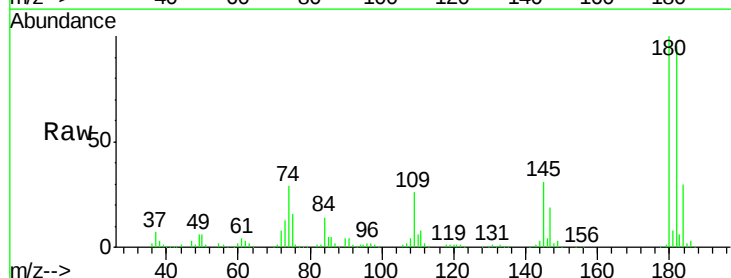
Tgt Ion:180 Resp: 180577

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 31.1 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

