

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024581.D
 Acq On : 15 Jun 2018 07:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 08:26:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264193	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	122630	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	4.89	113	108111	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	7.57	98	395698	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	10.31	95	155622	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	87688	42.662	ug/l	100
3) Chloromethane	1.33	50	93980	44.754	ug/l	100
4) Vinyl Chloride	1.40	62	105119	48.540	ug/l	99
5) Bromomethane	1.63	94	55655	53.162	ug/l	97
6) Chloroethane	1.70	64	65312	54.057	ug/l	98
7) Trichlorofluoromethane	1.89	101	158387	47.925	ug/l	97
8) Diethyl Ether	2.10	74	59468	52.986	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89970	43.880	ug/l	97
10) Methyl Iodide	2.41	142	66668	39.646	ug/l	98
11) Tert butyl alcohol	2.82	59	121532	186.401	ug/l	99
12) 1,1-Dichloroethene	2.29	96	87158	46.614	ug/l	90
13) Acrolein	2.19	56	67164	196.169	ug/l	99
14) Allyl chloride	2.60	41	139404	40.154	ug/l	95
15) Acrylonitrile	2.94	53	301646	237.792	ug/l	99
16) Acetone	2.32	43	242644	168.457	ug/l	96
17) Carbon Disulfide	2.48	76	272614	45.533	ug/l	99
18) Methyl Acetate	2.62	43	147965	47.918	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	324244	46.133	ug/l	98
20) Methylene Chloride	2.71	84	101349	44.843	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	97863	47.520	ug/l	94
22) Diisopropyl ether	3.57	45	322022	46.791	ug/l	96
23) Vinyl Acetate	3.53	43	1415659	229.629	ug/l	98
24) 1,1-Dichloroethane	3.45	63	182715	46.151	ug/l	99
25) 2-Butanone	4.26	43	425468	219.907	ug/l	95
26) 2,2-Dichloropropane	4.24	77	98315	26.152	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	112712	47.606	ug/l	92
28) Bromochloromethane	4.55	49	89293	51.205	ug/l	85
29) Tetrahydrofuran	4.64	42	282970	236.175	ug/l	97
30) Chloroform	4.68	83	185755	46.355	ug/l	100
31) Cyclohexane	5.00	56	168738	47.912	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	169296	45.686	ug/l	96
36) 1,1-Dichloropropene	5.14	75	138292	44.546	ug/l	96
37) Ethyl Acetate	4.38	43	164406	48.588	ug/l #	96
38) Carbon Tetrachloride	5.14	117	154354	45.214	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	166253	42.914	ug/l	96
40) Benzene	5.39	78	415400	46.959	ug/l	100
41) Methacrylonitrile	4.54	41	88710	48.626	ug/l	96
42) 1,2-Dichloroethane	5.41	62	148493	44.075	ug/l	98
43) Isopropyl Acetate	5.55	43	266495	45.564	ug/l	98
44) Trichloroethene	6.19	130	117719	46.759	ug/l	93
45) 1,2-Dichloropropane	6.44	63	112798	47.789	ug/l	98
46) Dibromomethane	6.56	93	79187	47.763	ug/l	93
47) Bromodichloromethane	6.76	83	152371	46.153	ug/l	99
48) Methyl methacrylate	6.63	41	128840	45.239	ug/l	97
49) 1,4-Dioxane	6.61	88	44447	798.022	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	869748	236.698	ug/l	98
52) Toluene	7.64	92	266460	46.819	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	159283	42.962	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	167675	42.443	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	107573	46.500	ug/l	98
56) Ethyl methacrylate	8.02	69	183693	47.441	ug/l	97
57) 1,3-Dichloropropane	8.25	76	186682	47.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	354196	238.771	ug/l	95
59) 2-Hexanone	8.36	43	675317	225.114	ug/l	99
60) Dibromochloromethane	8.48	129	130728	45.315	ug/l	100
61) 1,2-Dibromoethane	8.59	107	121586	47.220	ug/l	98
64) Tetrachloroethene	8.23	164	120473	49.856	ug/l	98
65) Chlorobenzene	9.12	112	303739	46.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	113706	46.085	ug/l	97
67) Ethyl Benzene	9.25	91	524779	46.094	ug/l	97
68) m/p-Xylenes	9.38	106	406547	92.992	ug/l	96
69) o-Xylene	9.78	106	200796	46.409	ug/l	94
70) Styrene	9.80	104	331428	46.613	ug/l	99
71) Bromoform	9.96	173	109477	46.682	ug/l #	99
73) Isopropylbenzene	10.17	105	530445	44.243	ug/l	98
74) N-amyl acetate	10.01	43	250796	43.978	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	183686	45.720	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	205978	59.911	ug/l	82
77) Bromobenzene	10.45	156	141273	46.544	ug/l	94
78) n-propylbenzene	10.59	91	623658	44.158	ug/l	96
79) 2-Chlorotoluene	10.66	91	368648	44.262	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	457096	43.987	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.50	75	205978	138.659	ug/l #	100
82) 4-Chlorotoluene	10.78	91	435991	44.976	ug/l	98
83) tert-Butylbenzene	11.10	119	437673	43.785	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	468836	44.271	ug/l	99
85) sec-Butylbenzene	11.33	105	551295	44.060	ug/l	97
86) p-Isopropyltoluene	11.48	119	491013	43.816	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	257863	45.984	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	258363	45.776	ug/l	99
89) n-Butylbenzene	11.89	91	439141	44.139	ug/l	97
90) Hexachloroethane	12.15	117	91248	41.741	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	254548	45.319	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	47471	42.821	ug/l	88

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QLast Update : Wed Jun 13 13:55:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	180208	51.956	ug/l	99
94) Hexachlorobutadiene	13.70	225	86173	44.140	ug/l	100
95) Naphthalene	13.74	128	554175	48.286	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	182452	52.791	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: VU024581.D

Acq: 15 Jun 2018 07:54

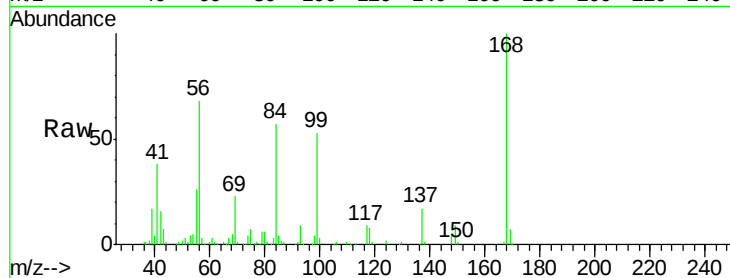
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 164212

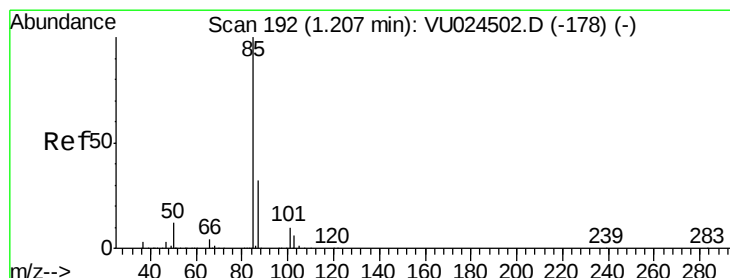
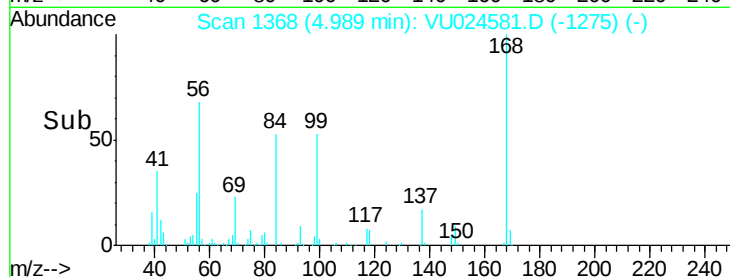
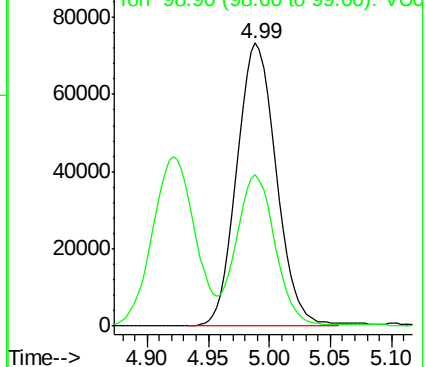
Ion Ratio Lower Upper

168 100

99 52.7 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 42.662 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024581.D

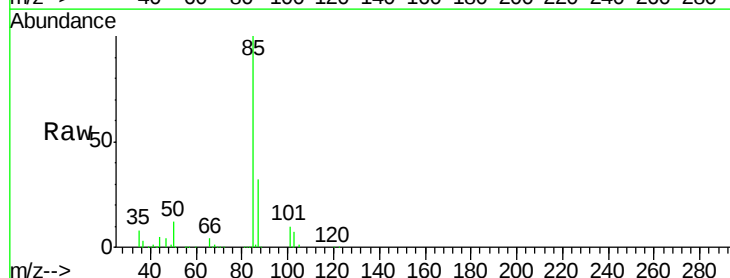
Acq: 15 Jun 2018 07:54

Tgt Ion: 85 Resp: 87688

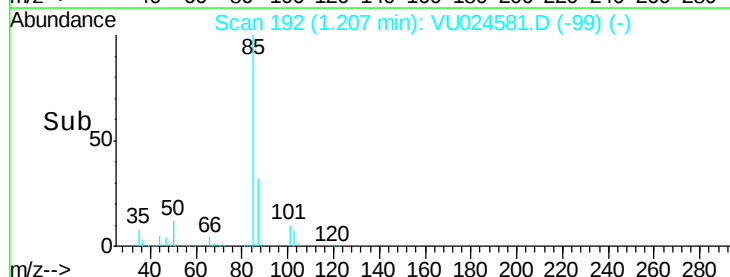
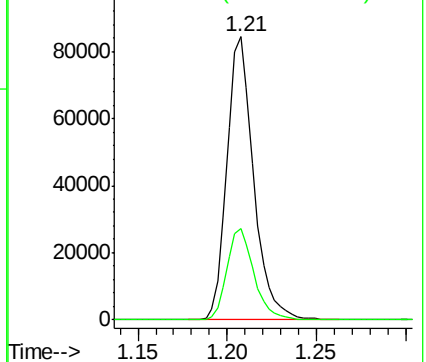
Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2



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





#3

Chloromethane

Concen: 44.754 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

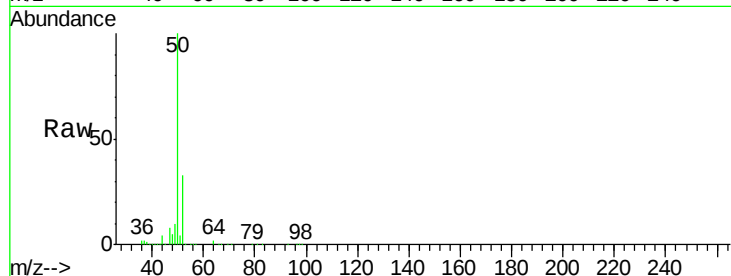
ClientSampleId :

Tot Ion: 50 Resp: 93980

Ion Ratio Lower Upper

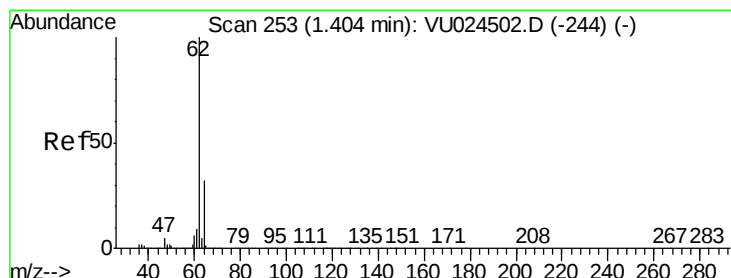
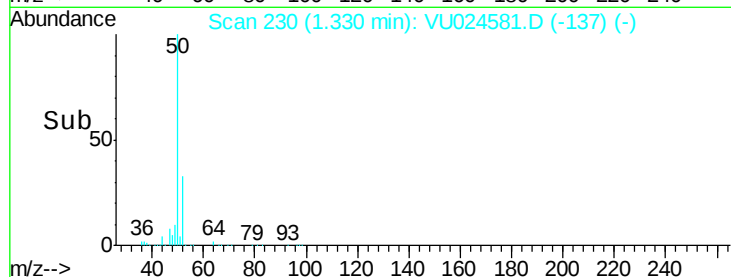
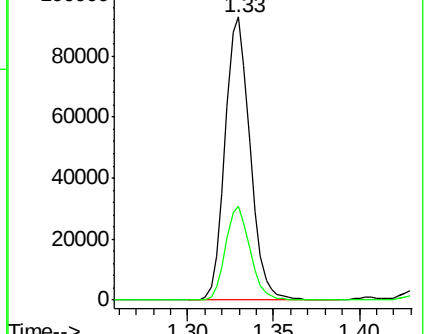
50 100

52 33.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.540 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024581.D

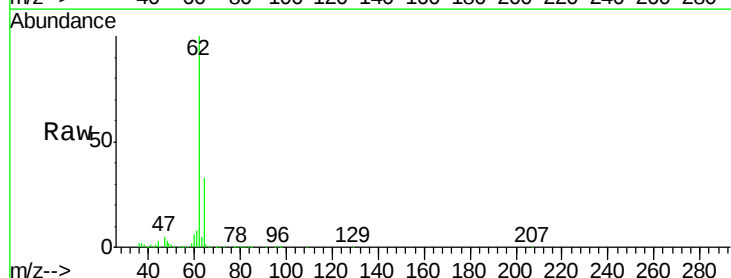
Acq: 15 Jun 2018 07:54

Tgt Ion: 62 Resp: 105119

Ion Ratio Lower Upper

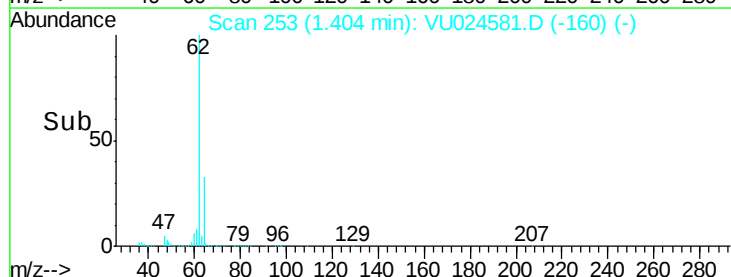
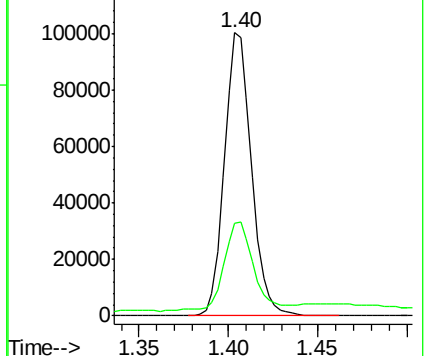
62 100

64 30.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 53.162 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

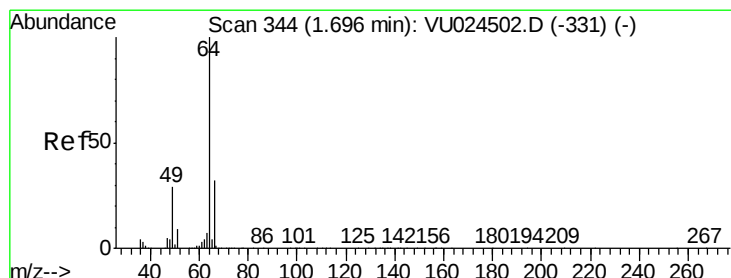
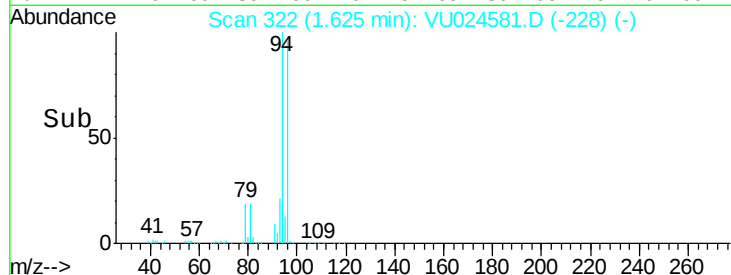
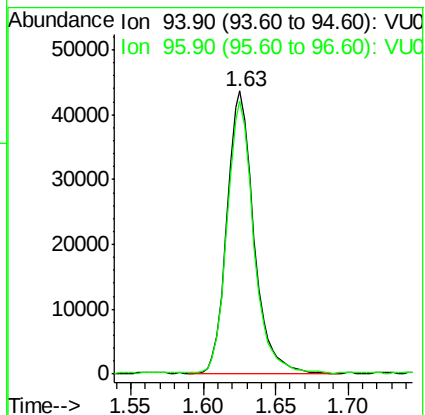
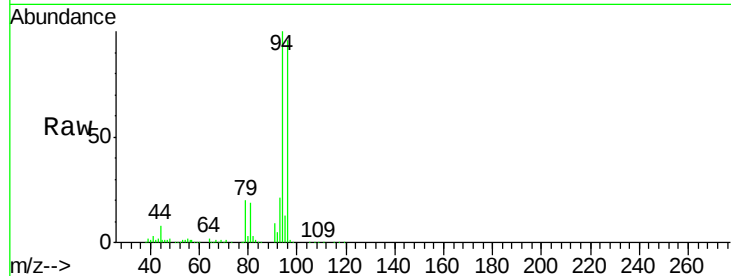
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 55655

Ion Ratio Lower Upper

94 100

96 96.3 74.5 111.7



#6

Chloroethane

Concen: 54.057 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024581.D

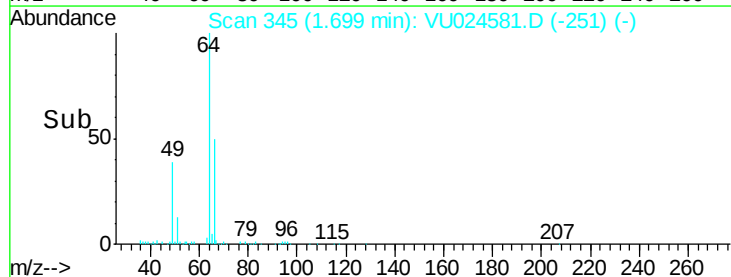
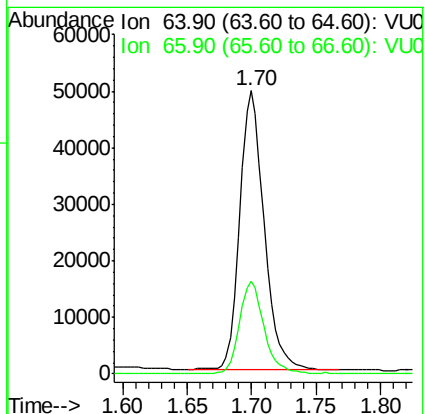
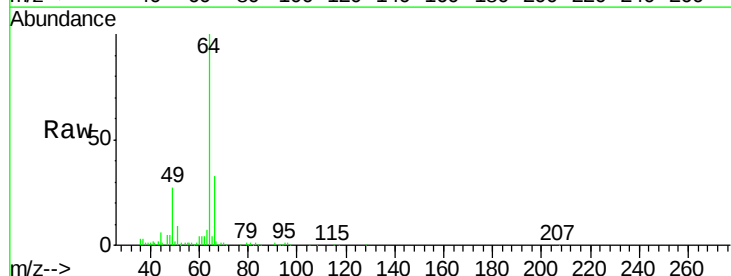
Acq: 15 Jun 2018 07:54

Tgt Ion: 64 Resp: 65312

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



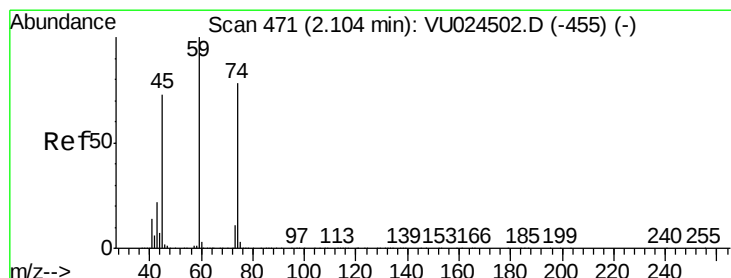
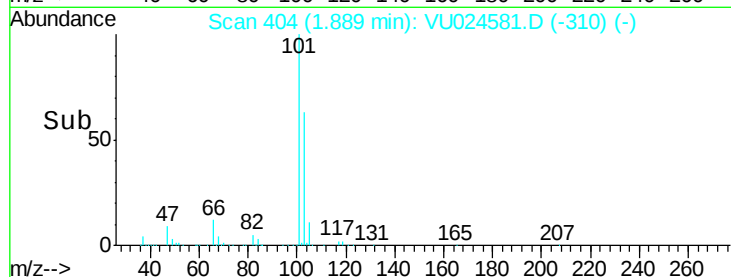
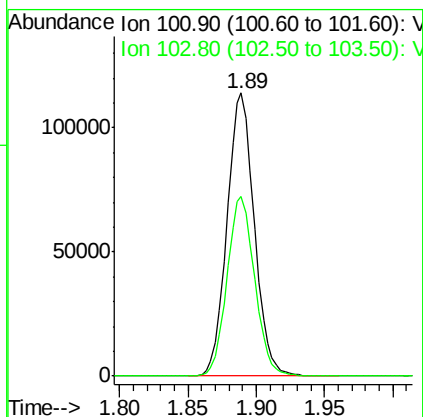
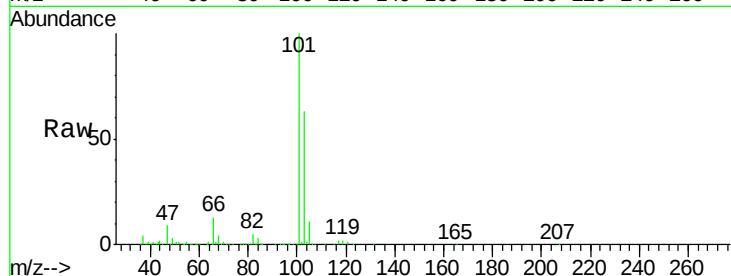


#7

Trichlorofluoromethane
Concen: 47.925 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampled :

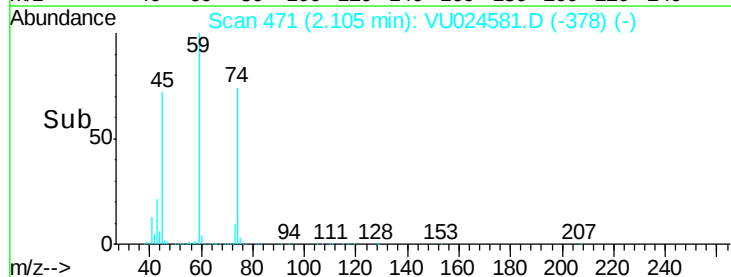
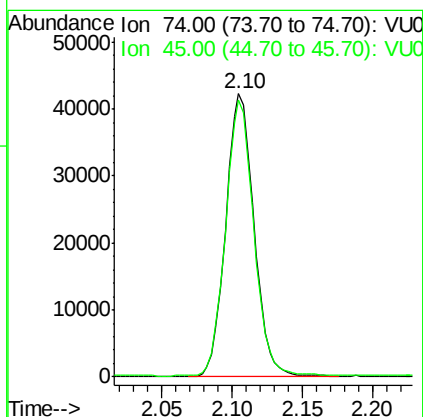
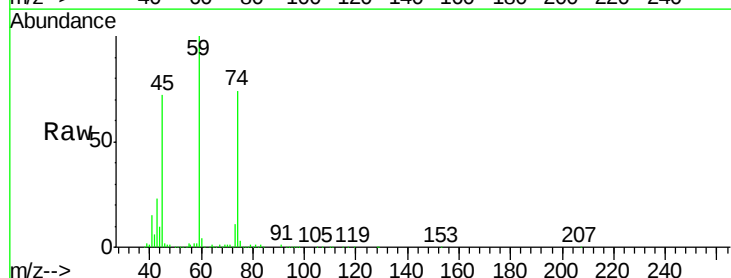
Tot Ion:101 Resp: 158387
Ion Ratio Lower Upper
101 100
103 63.3 52.3 78.5

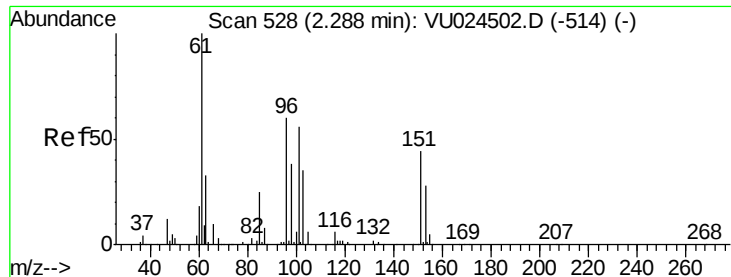


#8

Diethyl Ether
Concen: 52.986 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 74 Resp: 59468
Ion Ratio Lower Upper
74 100
45 97.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.880 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

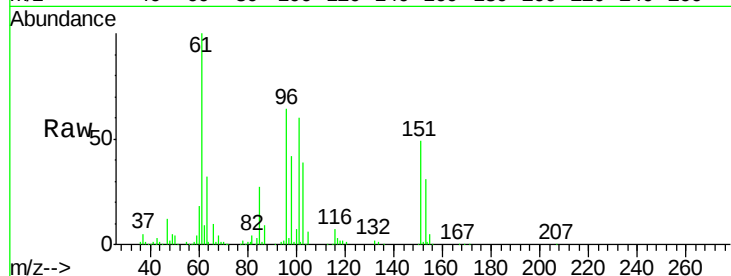
Tot Ion:101 Resp: 89970

Ion Ratio Lower Upper

101 100

85 43.3 36.0 54.0

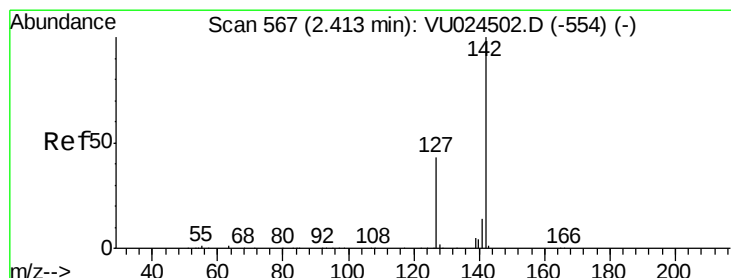
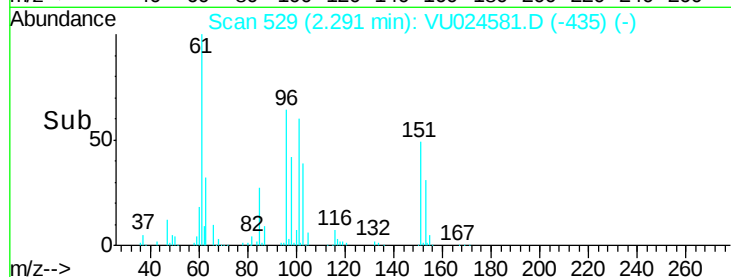
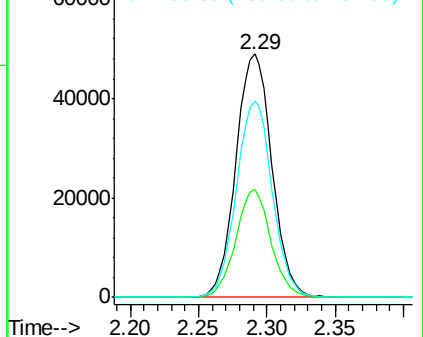
151 80.4 62.3 93.5



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: 39.646 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

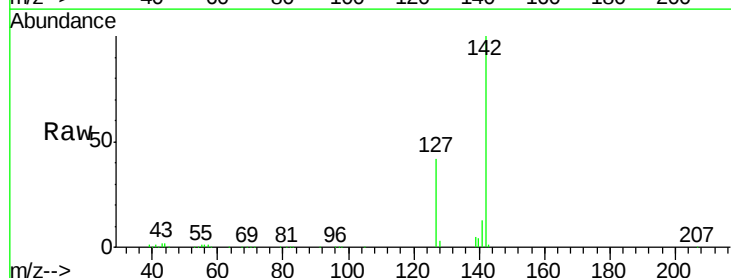
Tgt Ion:142 Resp: 66668

Ion Ratio Lower Upper

142 100

127 42.7 35.6 53.4

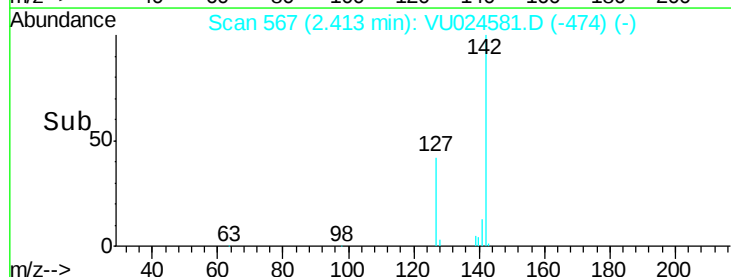
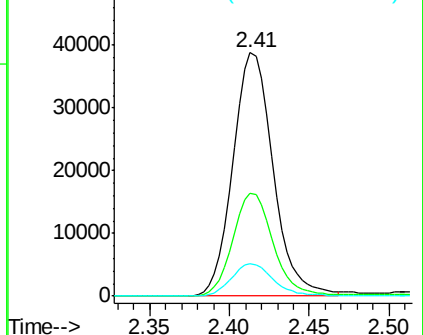
141 13.9 11.7 17.5



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



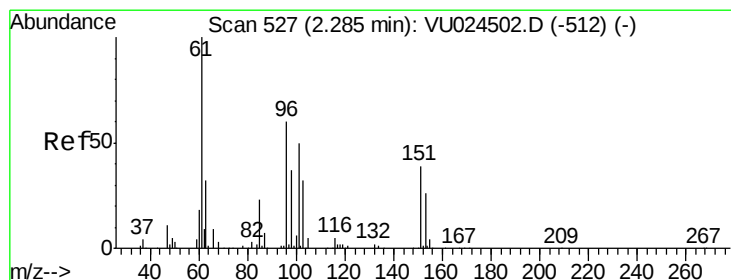
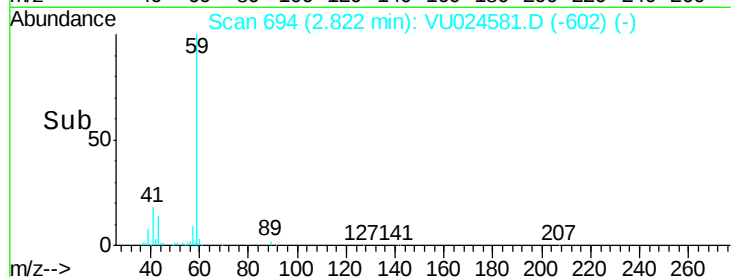
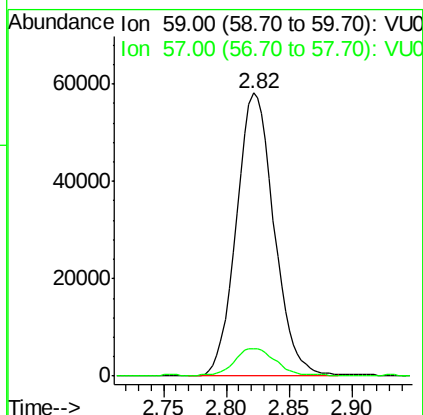
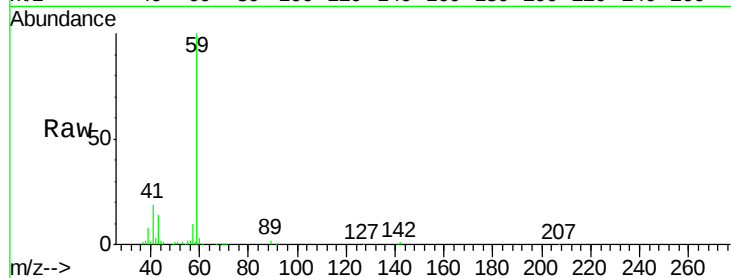


#11

Tert butyl alcohol
 Concen: 186.401 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_D
 ClientSampleId :

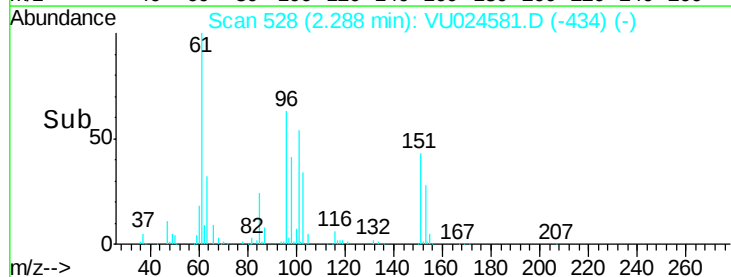
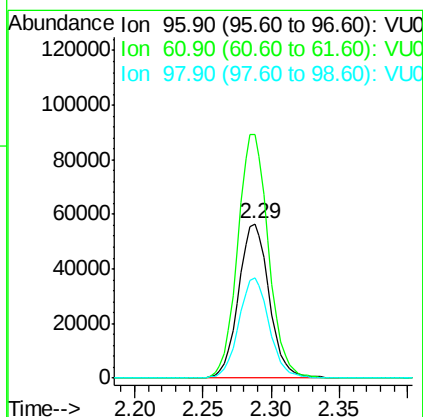
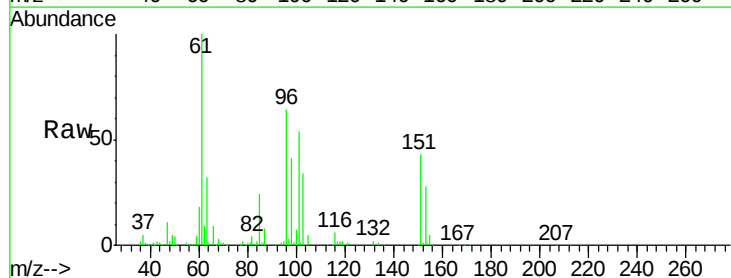
Tot Ion: 59 Resp: 121532
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

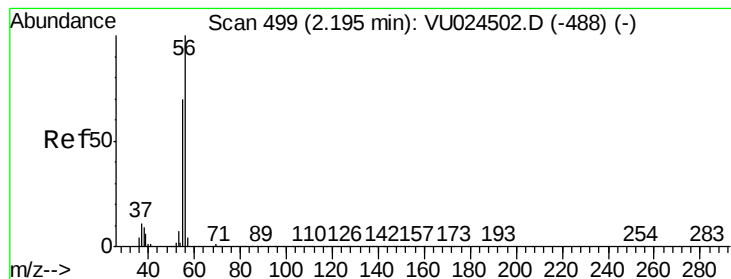


#12

1,1-Dichloroethene
 Concen: 46.614 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion: 96 Resp: 87158
 Ion Ratio Lower Upper
 96 100
 61 157.9 141.7 212.5
 98 64.7 51.6 77.4





#13

Acrolein

Concen: 196.169 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

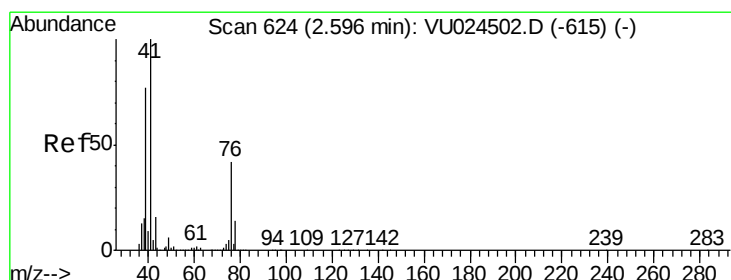
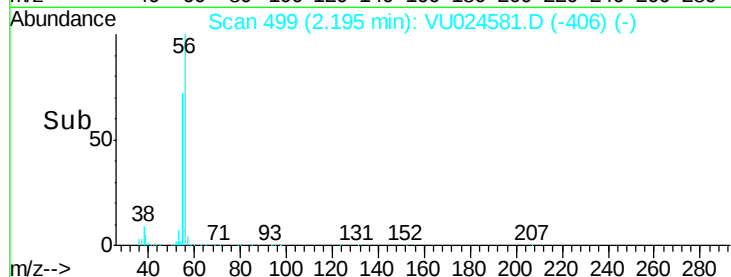
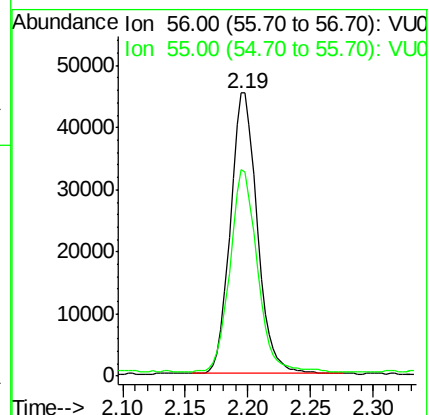
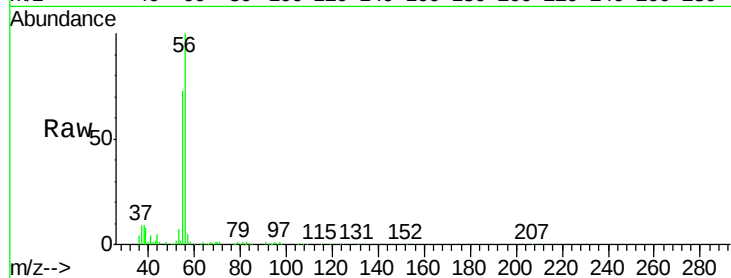
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 67164

Ion Ratio Lower Upper

56 100

55 74.1 58.4 87.6



#14

Allyl chloride

Concen: 40.154 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

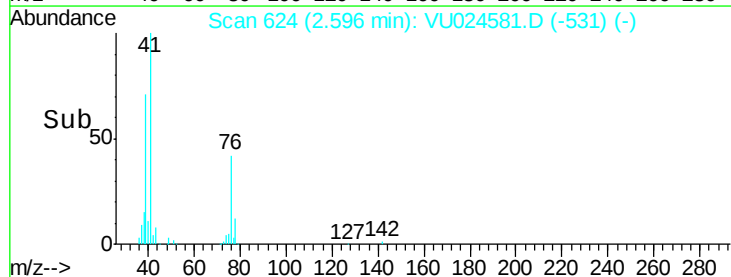
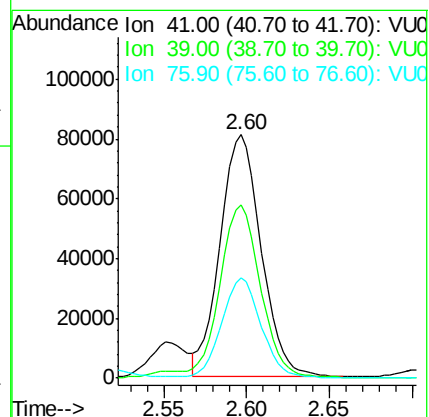
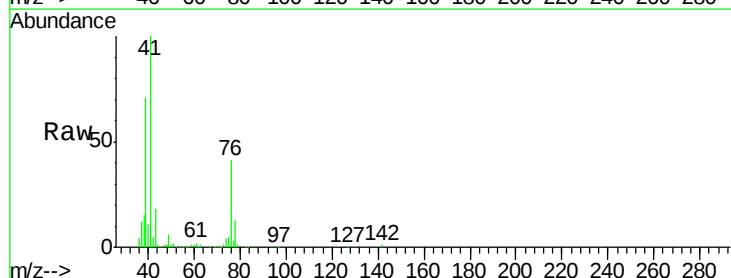
Tgt Ion: 41 Resp: 139404

Ion Ratio Lower Upper

41 100

39 72.3 61.6 92.4

76 39.5 29.7 44.5





#15

Acrylonitrile

Concen: 237.792 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

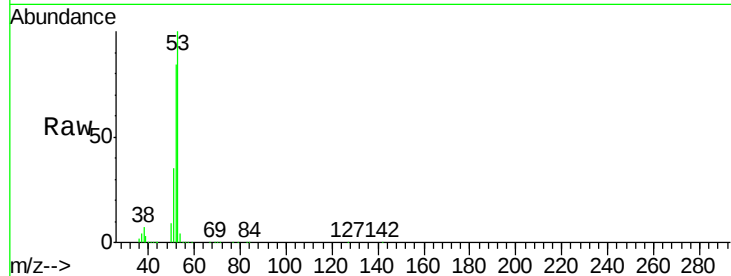
Tot Ion: 53 Resp: 301646

Ion Ratio Lower Upper

53 100

52 83.2 67.1 100.7

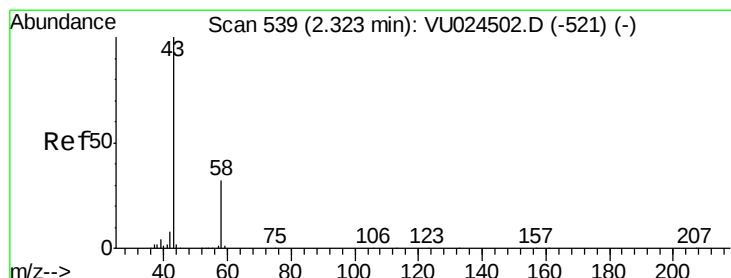
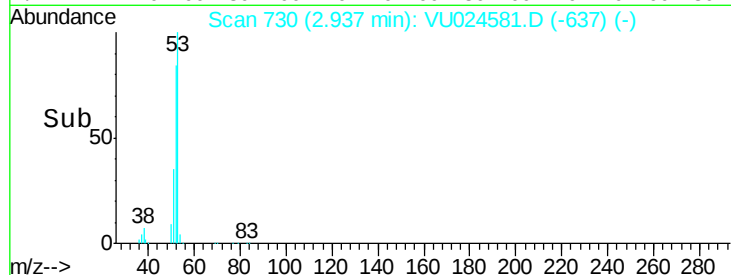
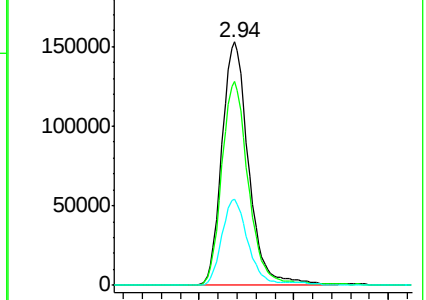
51 34.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024581.D (-637) (-)

Ion 52.00 (51.70 to 52.70): VU024581.D (-637) (-)

Ion 51.00 (50.70 to 51.70): VU024581.D (-637) (-)



#16

Acetone

Concen: 168.457 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024581.D

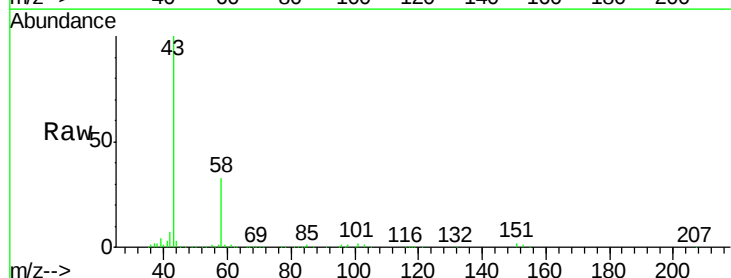
Acq: 15 Jun 2018 07:54

Tgt Ion: 43 Resp: 242644

Ion Ratio Lower Upper

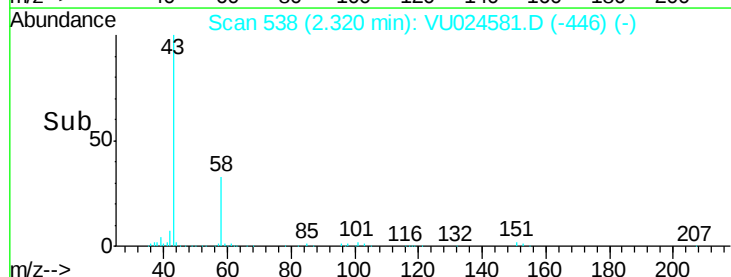
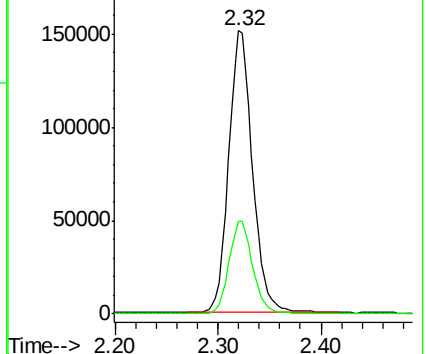
43 100

58 32.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024581.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024581.D (-446) (-)





#17

Carbon Disulfide

Concen: 45.533 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

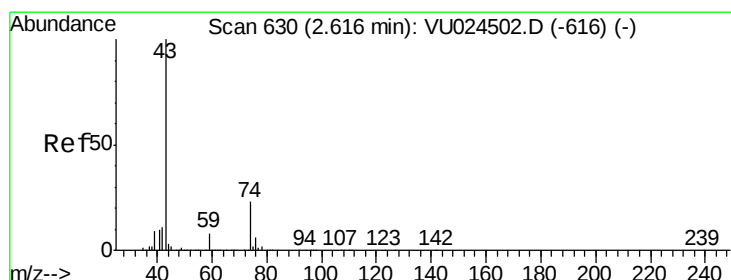
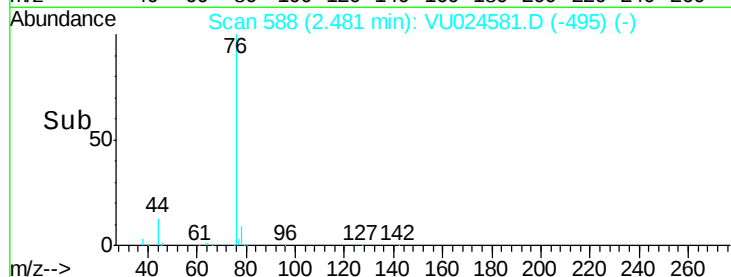
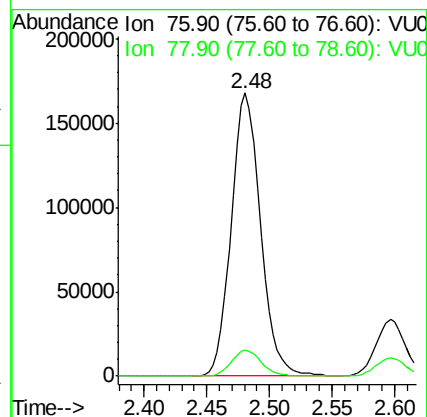
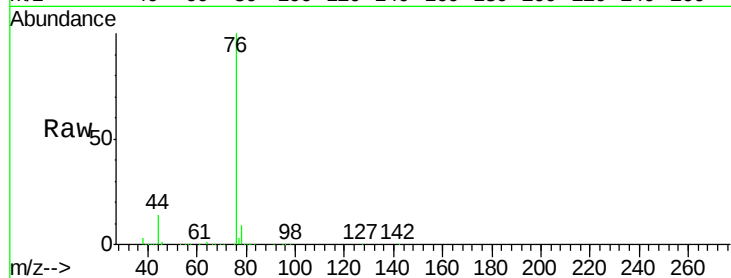
ClientSampled :

Tot Ion: 76 Resp: 272614

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 47.918 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024581.D

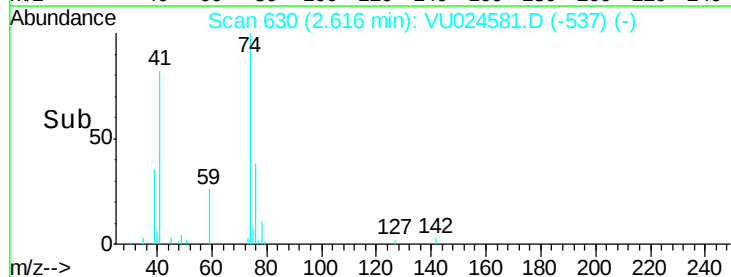
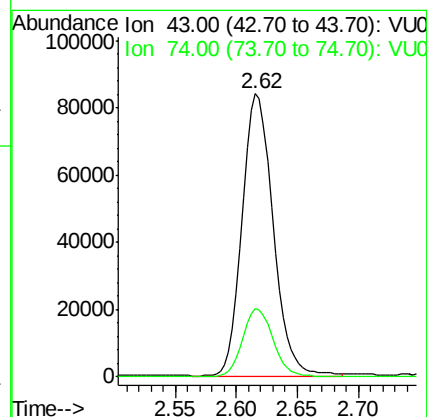
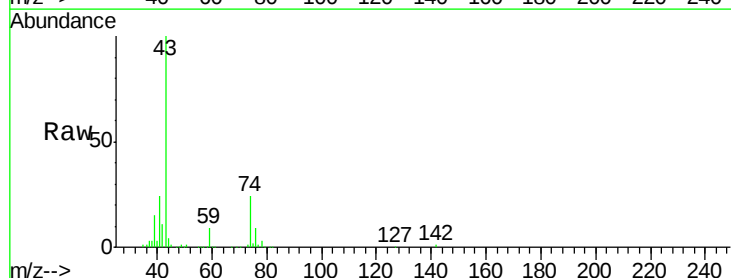
Acq: 15 Jun 2018 07:54

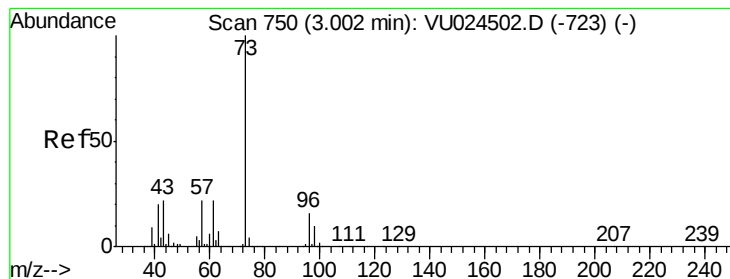
Tgt Ion: 43 Resp: 147965

Ion Ratio Lower Upper

43 100

74 23.9 18.0 27.0



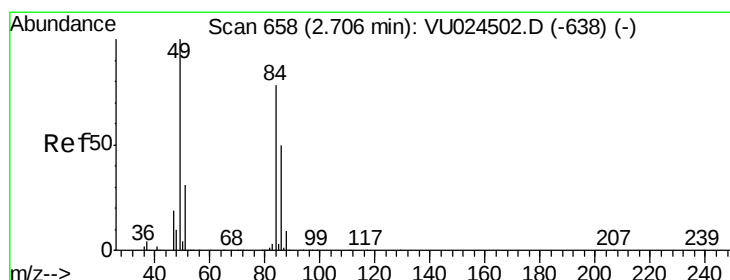
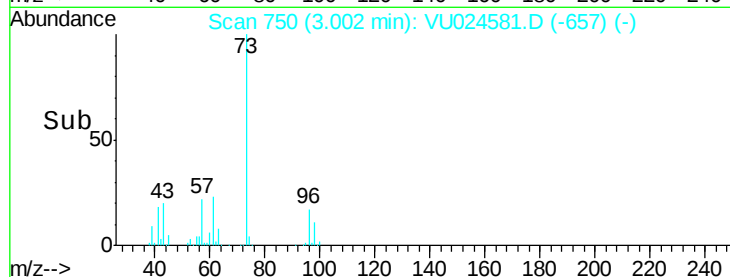
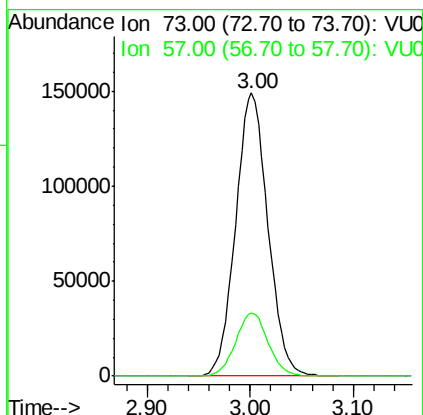
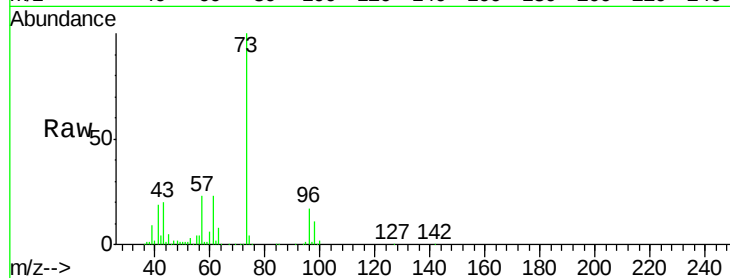


#19

Methyl tert-butyl Ether
 Concen: 46.133 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_D
 ClientSampleId :

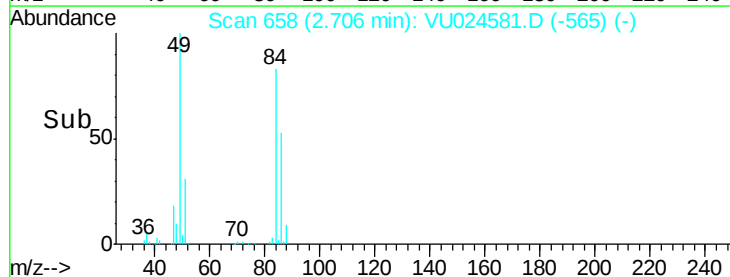
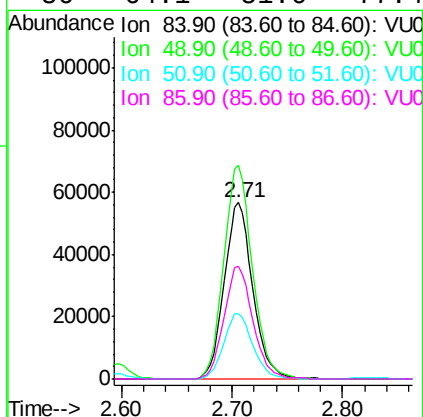
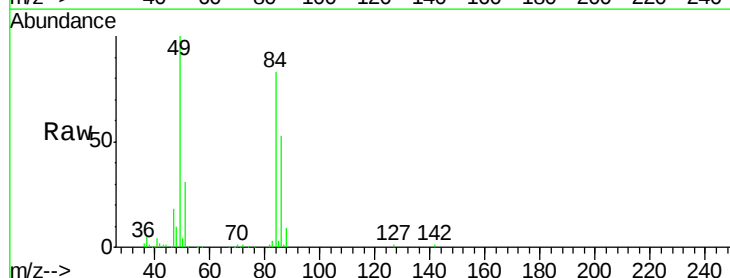
Tot Ion: 73 Resp: 324244
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.8 28.2



#20

Methylene Chloride
 Concen: 44.843 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion: 84 Resp: 101349
 Ion Ratio Lower Upper
 84 100
 49 121.0 103.8 155.8
 51 37.0 32.0 48.0
 86 64.1 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.520 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampled :

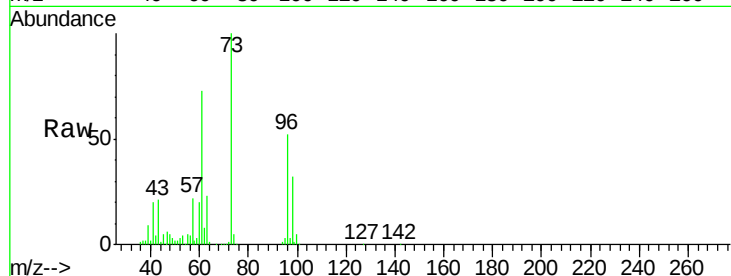
Tot Ion: 96 Resp: 97863

Ion Ratio Lower Upper

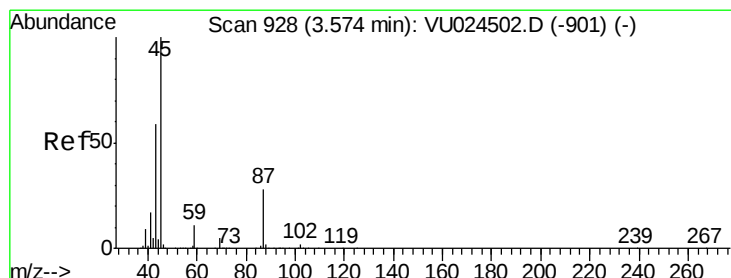
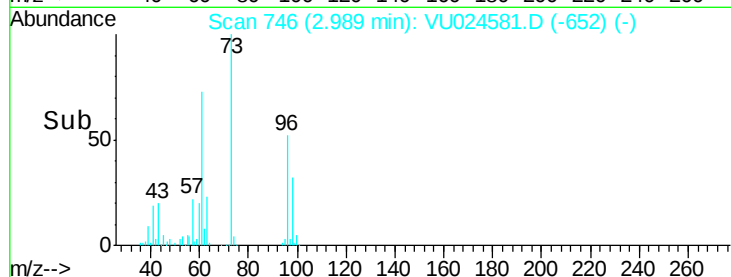
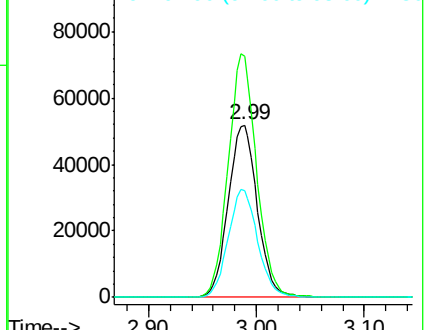
96 100

61 139.8 119.4 179.0

98 61.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 46.791 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion: 45 Resp: 322022

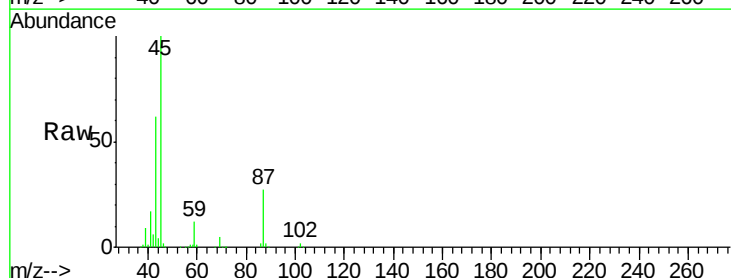
Ion Ratio Lower Upper

45 100

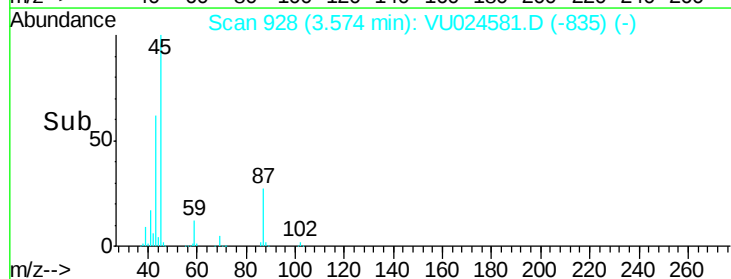
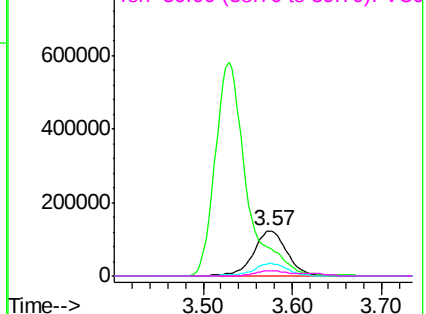
43 61.2 45.8 68.6

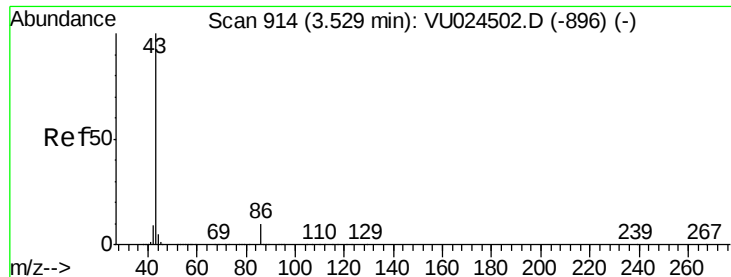
87 27.2 20.6 31.0

59 11.8 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 229.629 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

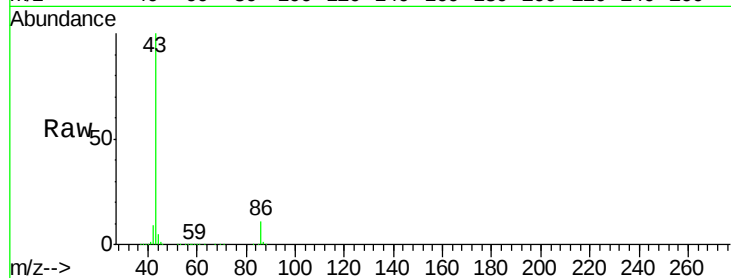
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1415659

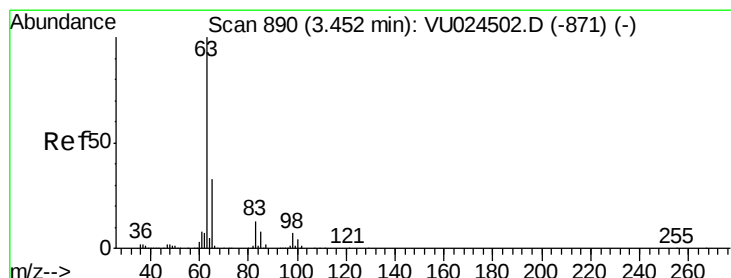
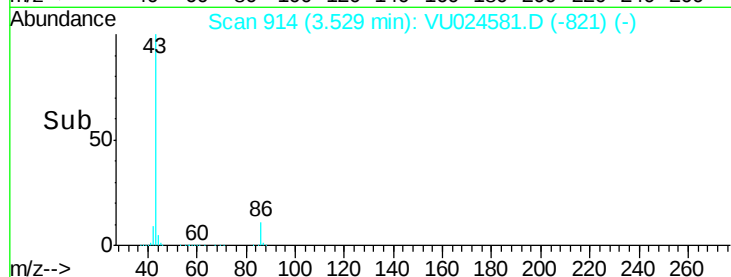
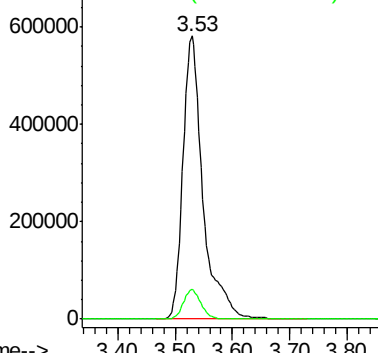
Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 46.151 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

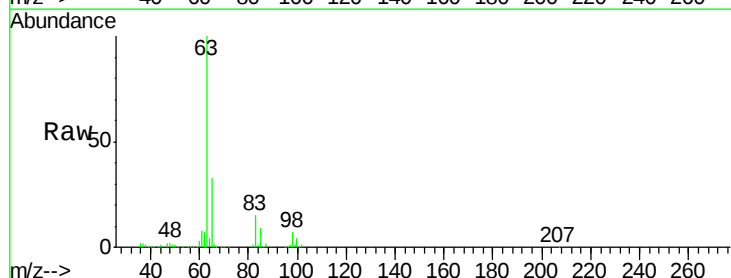
Tgt Ion: 63 Resp: 182715

Ion Ratio Lower Upper

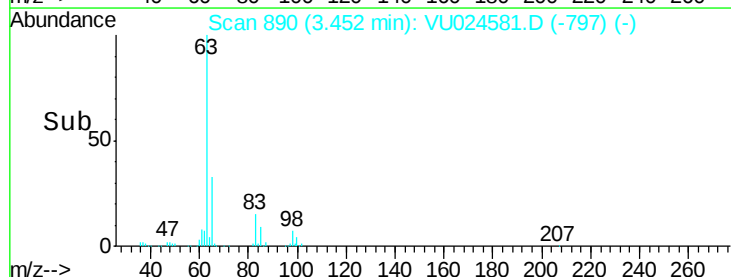
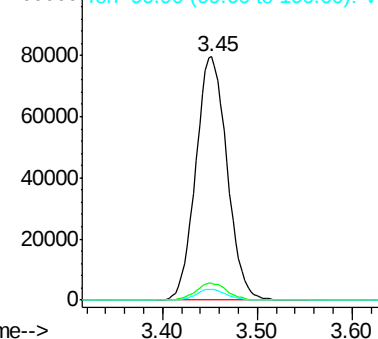
63 100

98 7.0 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 97.90 (97.60 to 98.60): VU0
Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 219.907 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

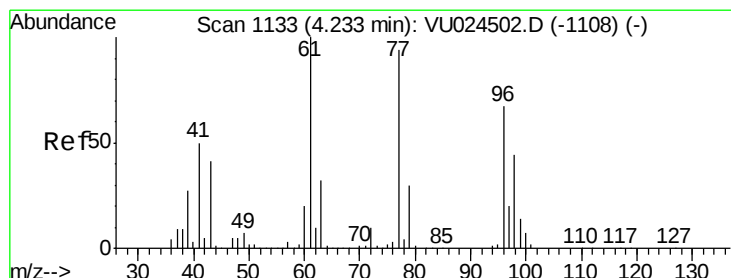
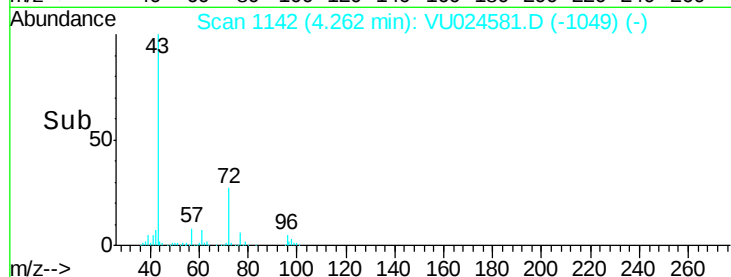
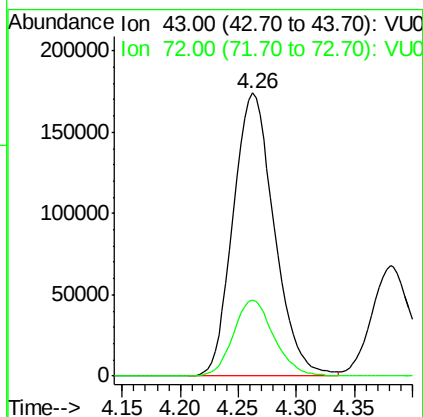
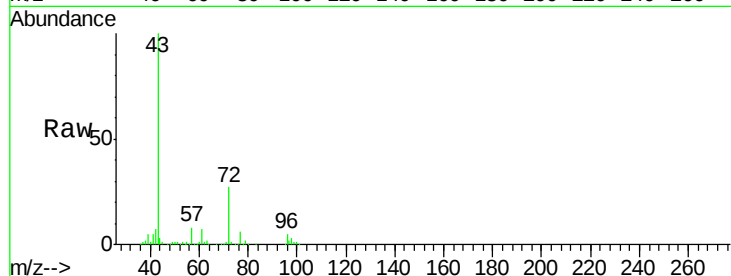
ClientSampleId :

Tot Ion: 43 Resp: 425468

Ion Ratio Lower Upper

43 100

72 26.8 19.6 29.4



#26

2,2-Dichloropropane

Concen: 26.152 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024581.D

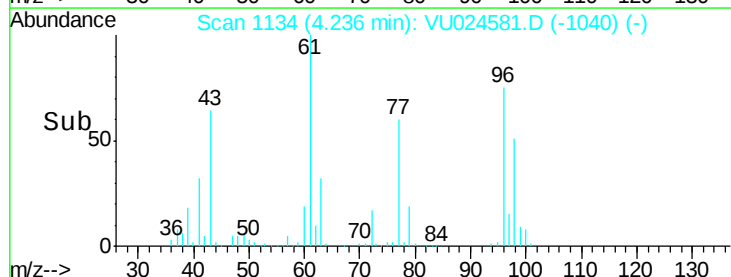
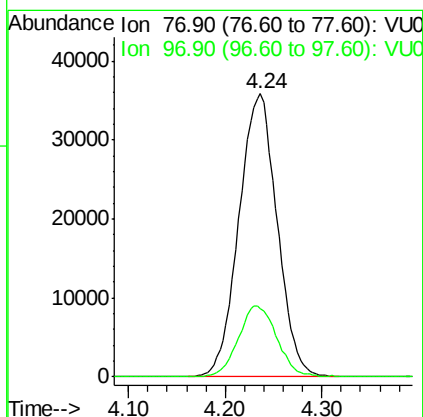
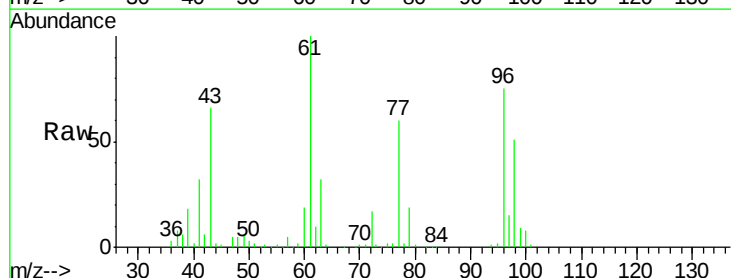
Acq: 15 Jun 2018 07:54

Tgt Ion: 77 Resp: 98315

Ion Ratio Lower Upper

77 100

97 25.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.606 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampleId :

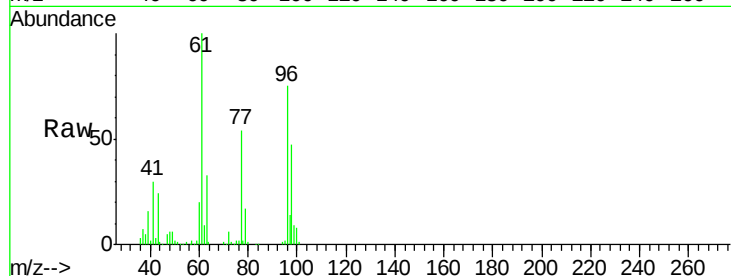
Tot Ion: 96 Resp: 112712

Ion Ratio Lower Upper

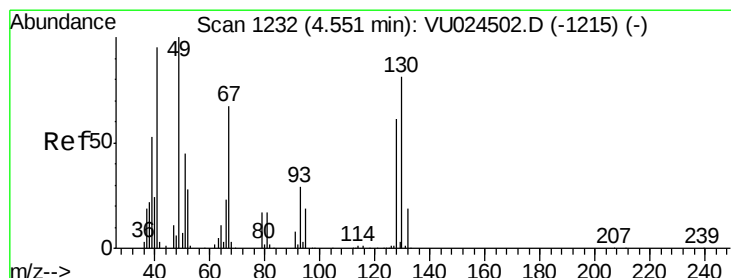
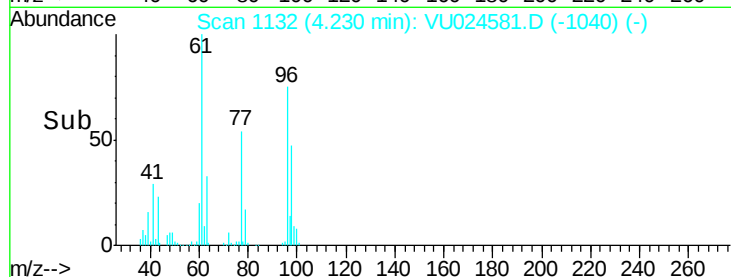
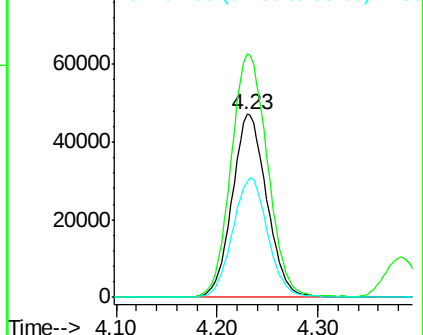
96 100

61 139.7 0.0 306.6

98 65.9 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 51.205 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

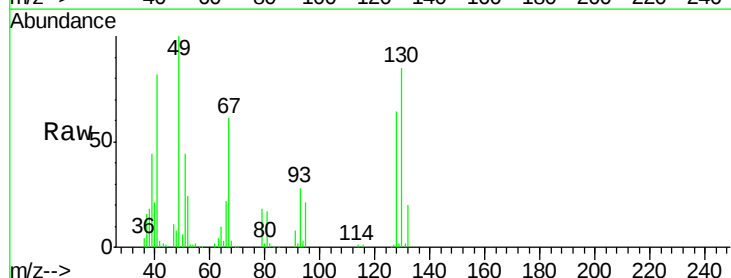
Tgt Ion: 49 Resp: 89293

Ion Ratio Lower Upper

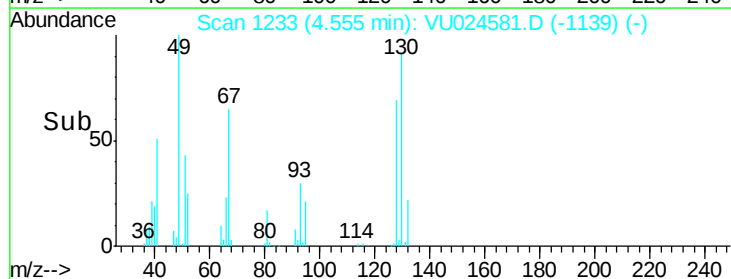
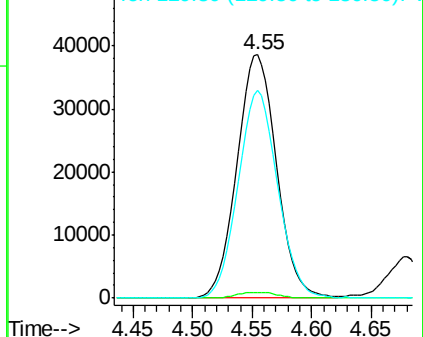
49 100

129 2.4 0.0 3.8

130 84.9 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 236.175 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampled :

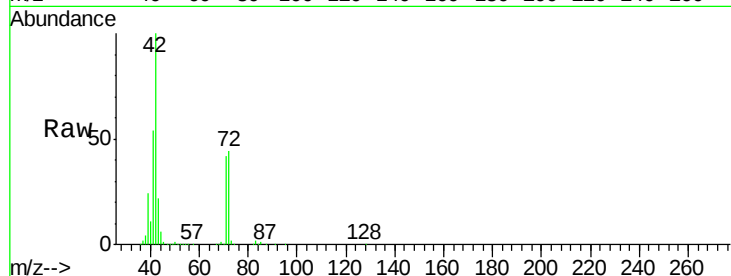
Tot Ion: 42 Resp: 282970

Ion Ratio Lower Upper

42 100

72 45.4 34.5 51.7

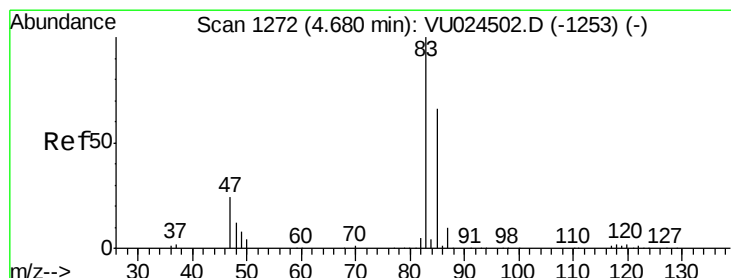
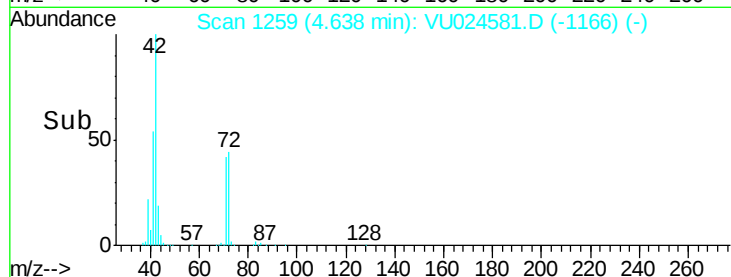
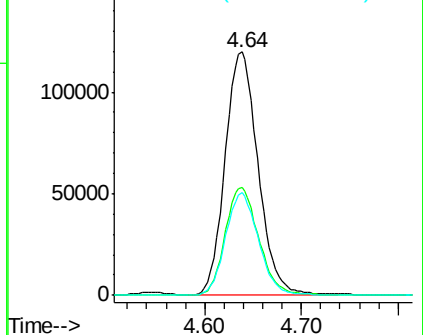
71 42.2 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 46.355 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU024581.D

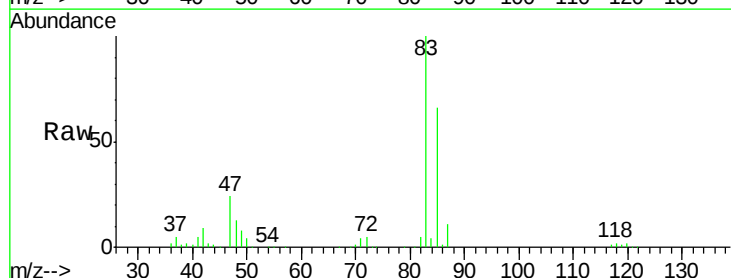
Acq: 15 Jun 2018 07:54

Tgt Ion: 83 Resp: 185755

Ion Ratio Lower Upper

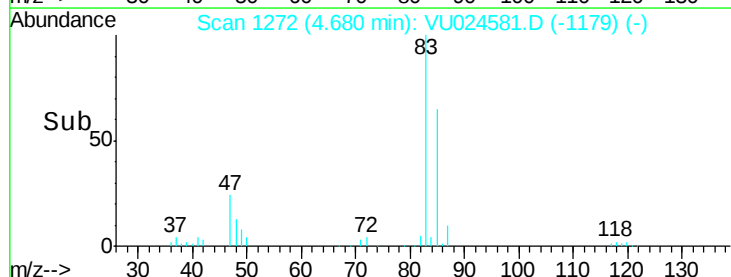
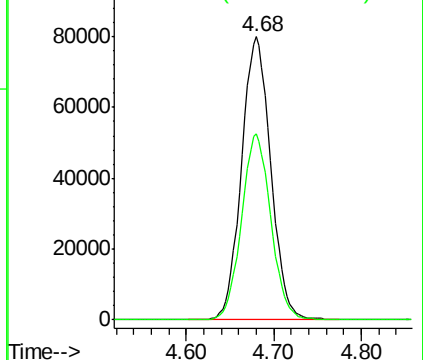
83 100

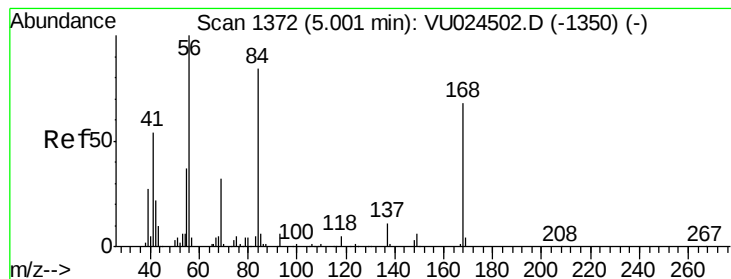
85 65.7 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 47.912 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampleId :

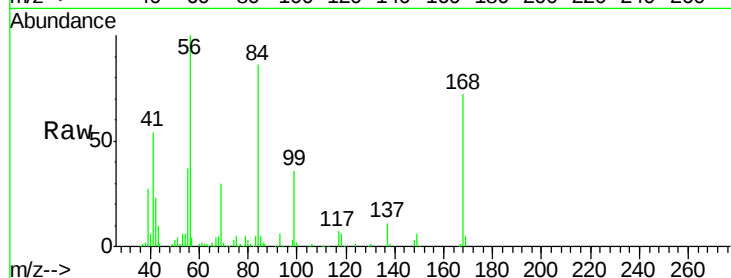
Tot Ion: 56 Resp: 168738

Ion Ratio Lower Upper

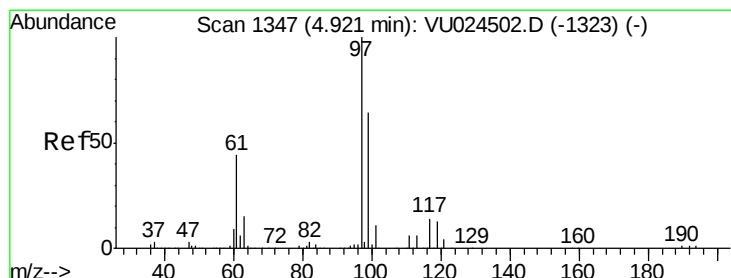
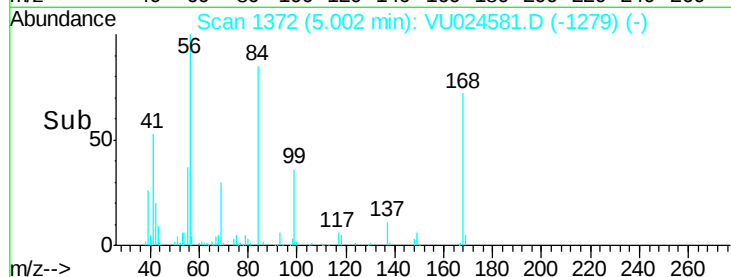
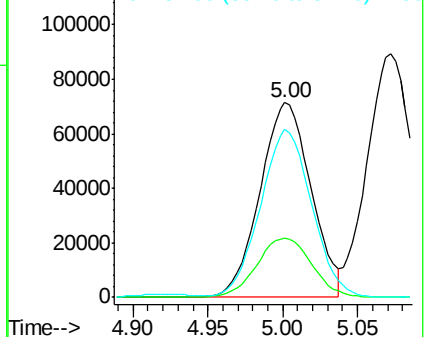
56 100

69 30.2 24.8 37.2

84 85.2 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 45.686 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

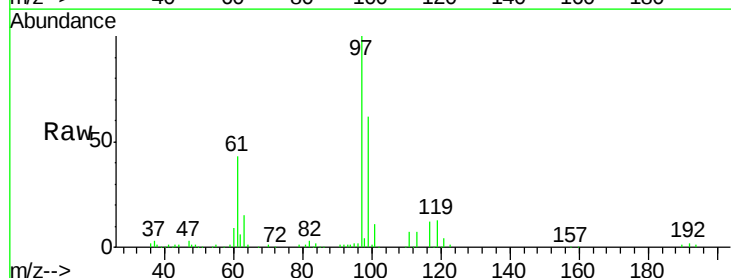
Tgt Ion: 97 Resp: 169296

Ion Ratio Lower Upper

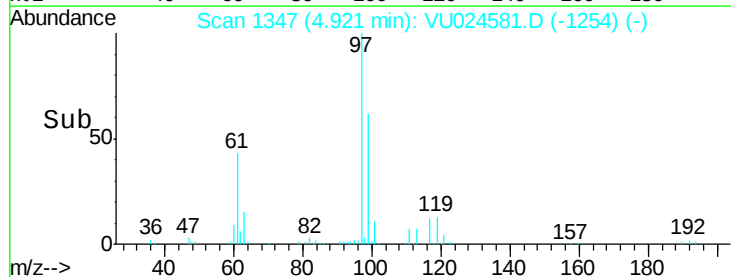
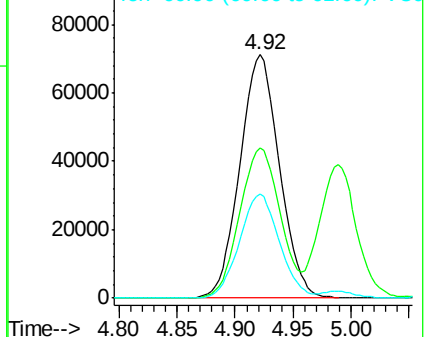
97 100

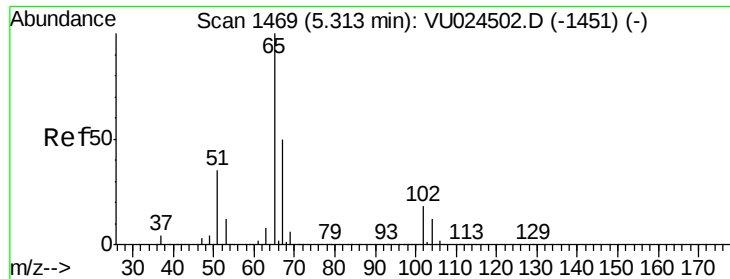
99 63.3 51.0 76.6

61 43.1 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

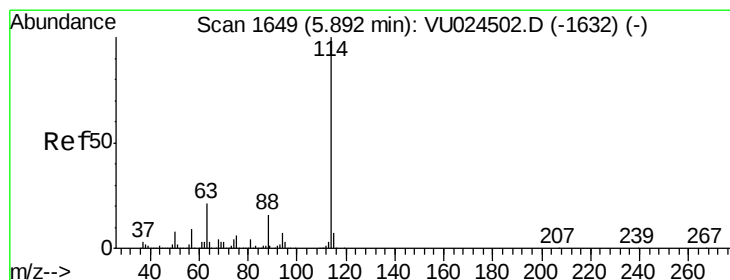
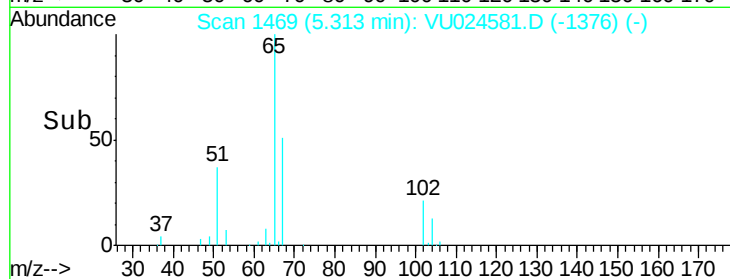
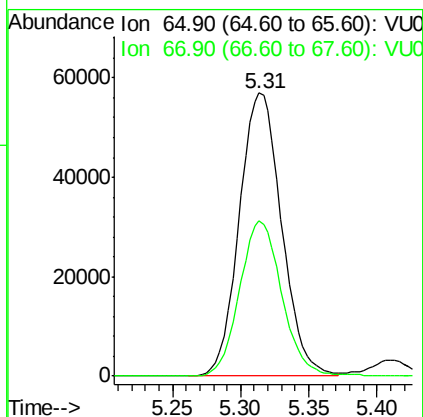
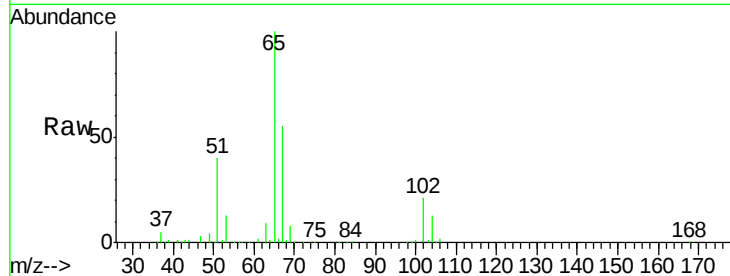




#33
 1,2-Dichloroethane-d4
 Concen: 45.744 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

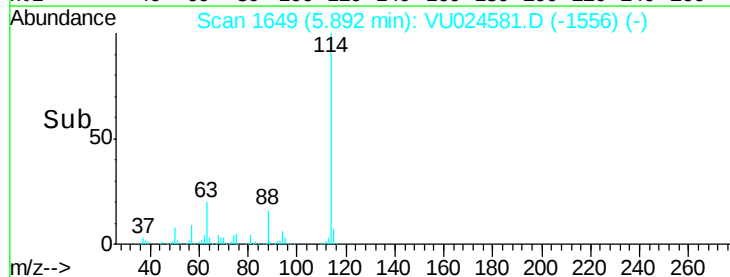
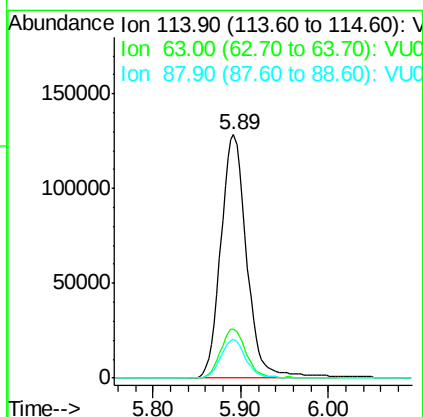
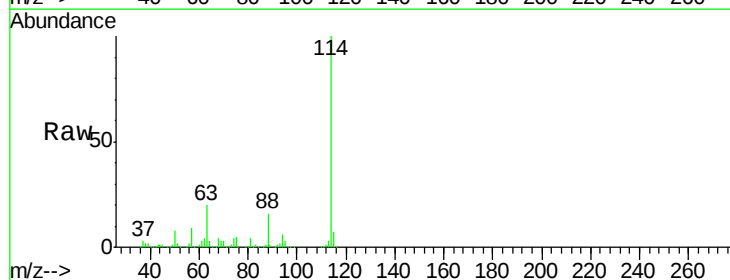
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 122630
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion: 114 Resp: 264193
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.4
 88 15.8 0.0 31.0

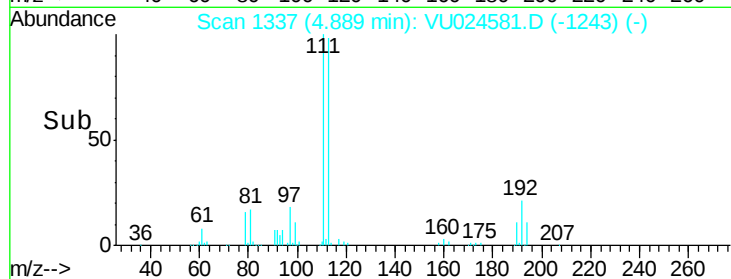
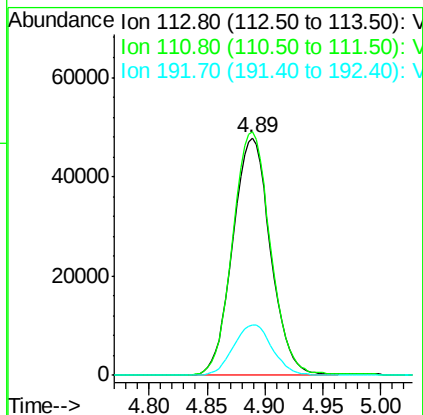
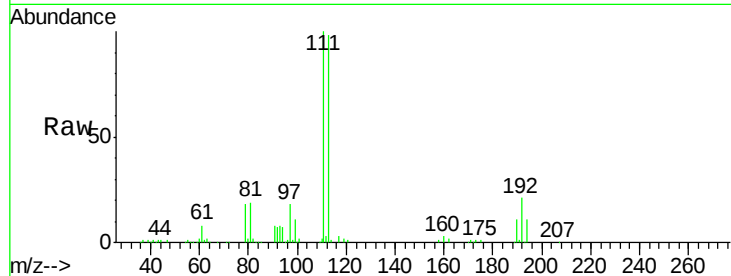




#35
 Dibromofluoromethane
 Concen: 49.307 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

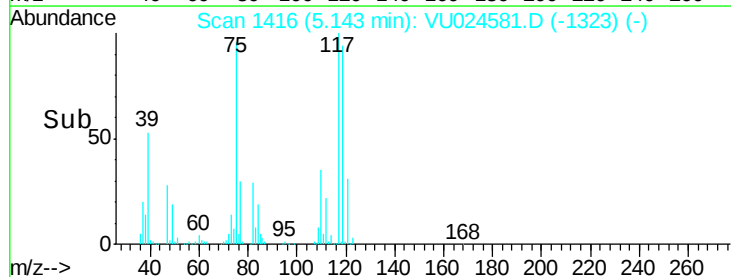
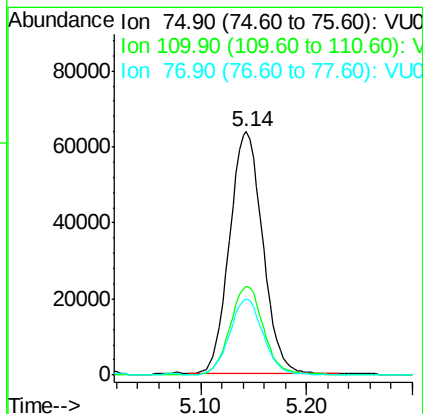
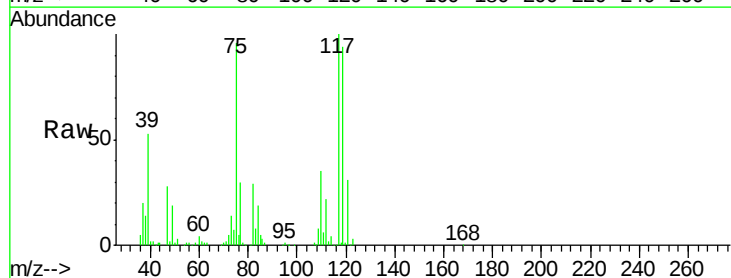
Instrument :
 MSVOA_D
 ClientSampleId :

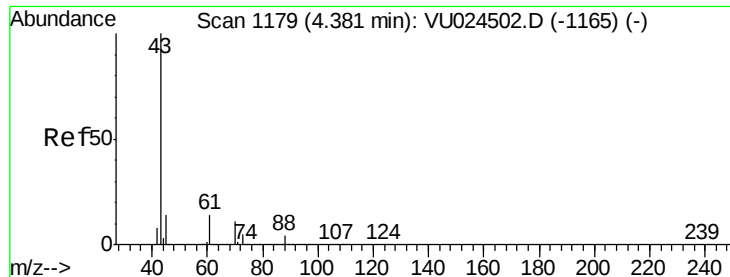
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.9	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 44.546 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.0	50.9
77	31.3	24.2	36.4

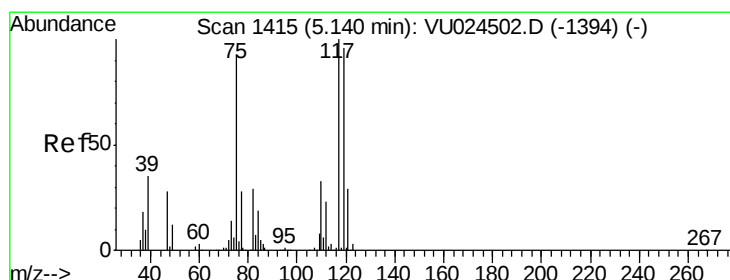
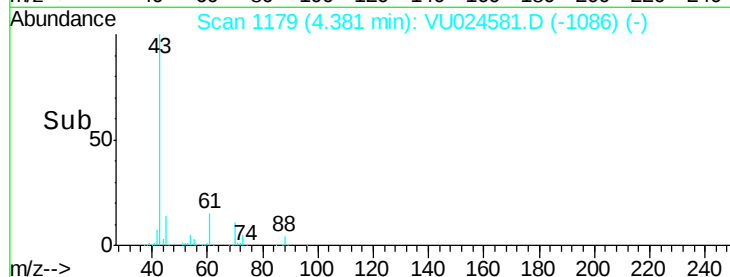
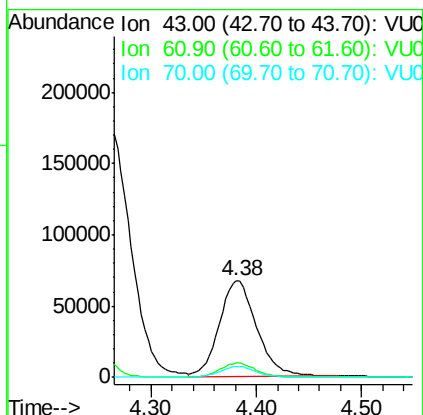
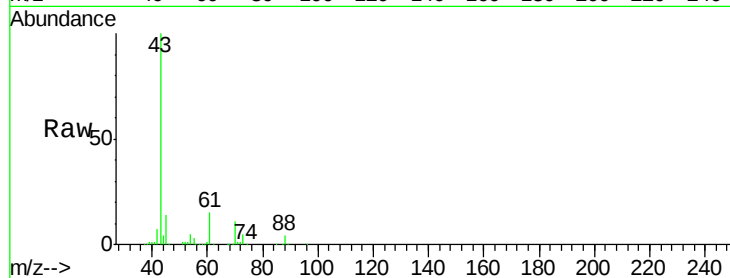




#37
Ethyl Acetate
Concen: 48.588 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

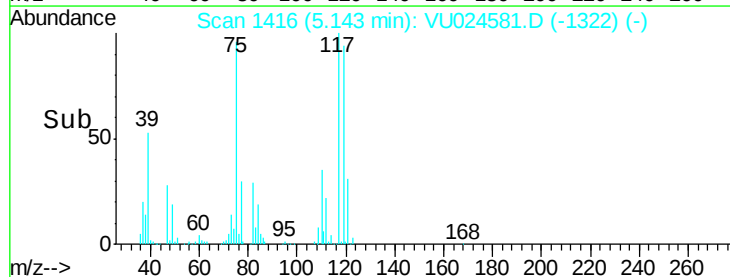
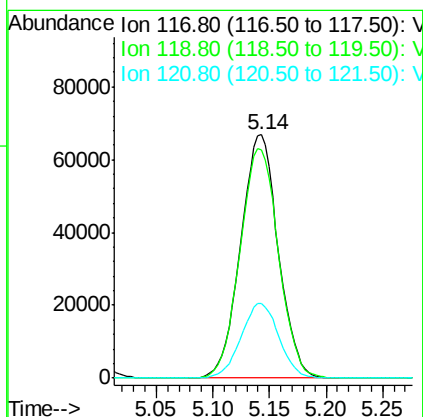
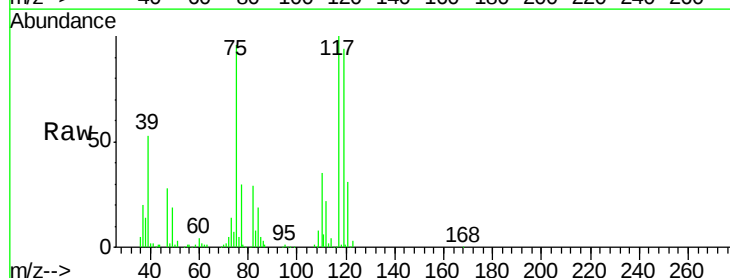
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 164406
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 11.4 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 45.214 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 117 Resp: 154354
Ion Ratio Lower Upper
117 100
119 93.5 76.1 114.1
121 30.7 23.7 35.5

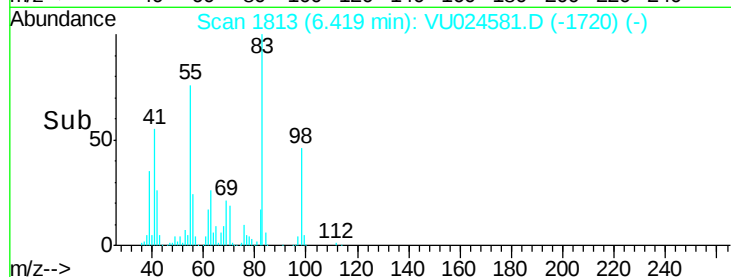
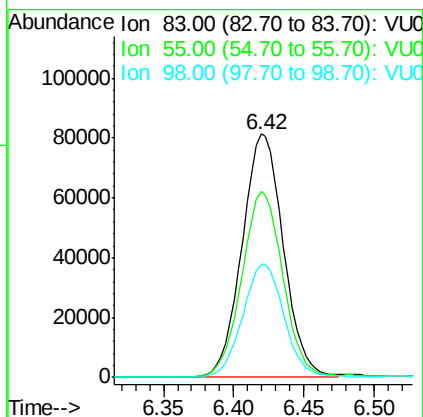
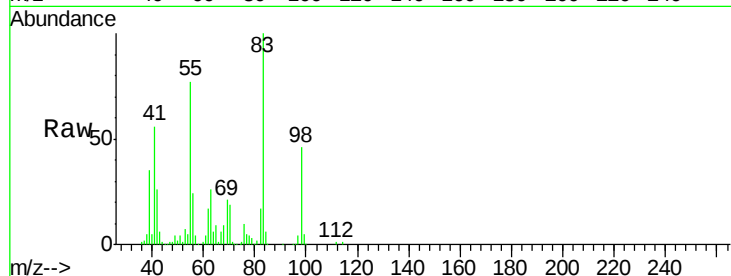




#39
Methvlcvclohexane
Concen: 42.914 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

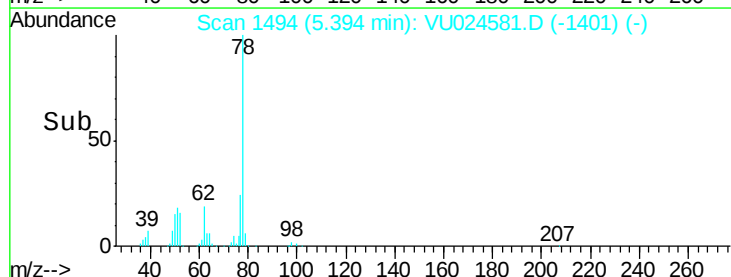
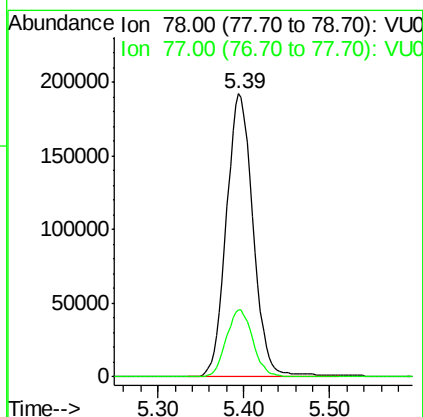
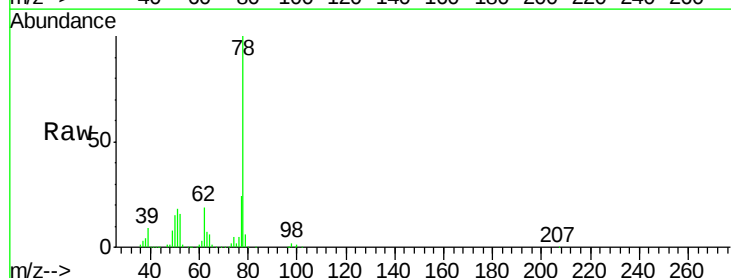
Instrument :
MSVOA_D
ClientSampleId :

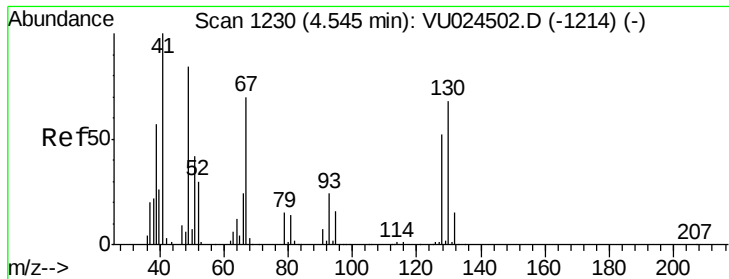
Tot Ion: 83 Resp: 166253
Ion Ratio Lower Upper
83 100
55 76.4 65.8 98.6
98 46.5 36.7 55.1



#40
Benzene
Concen: 46.959 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 78 Resp: 415400
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8





#41

Methacrylonitrile

Concen: 48.626 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 88710

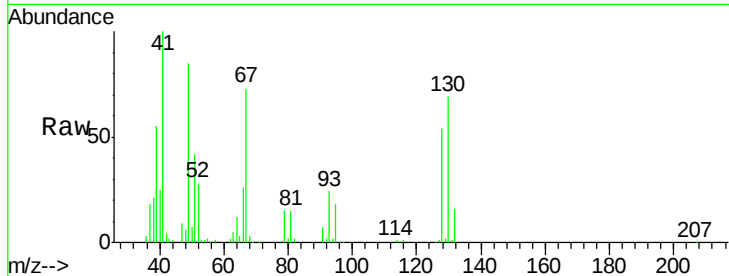
Ion Ratio Lower Upper

41 100

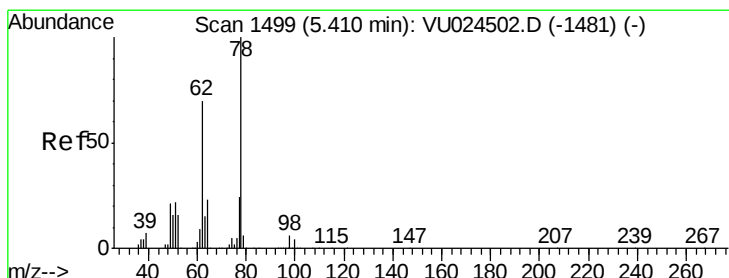
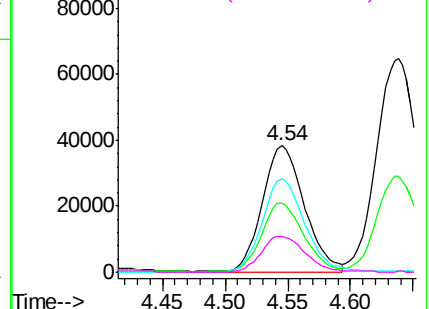
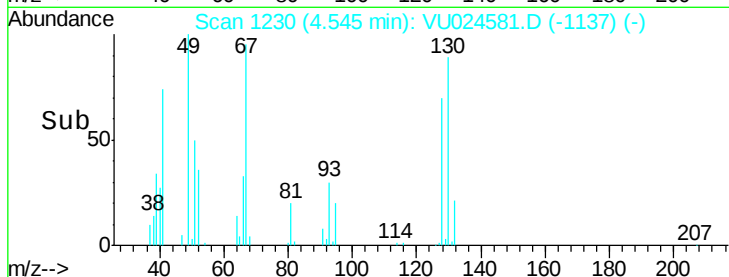
39 55.2 43.8 65.6

67 76.2 56.3 84.5

52 29.3 23.2 34.8



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



#42

1,2-Dichloroethane

Concen: 44.075 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024581.D

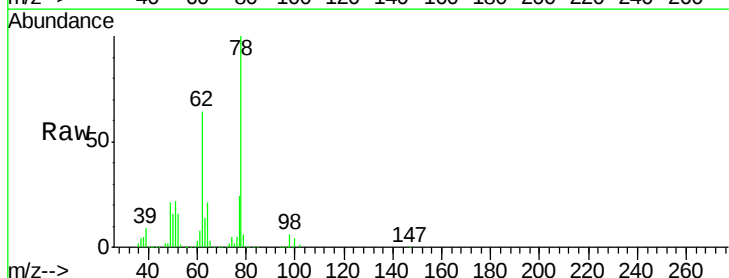
Acq: 15 Jun 2018 07:54

Tgt Ion: 62 Resp: 148493

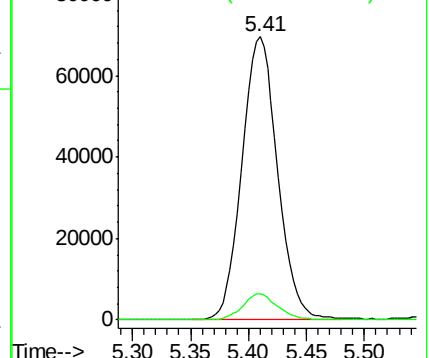
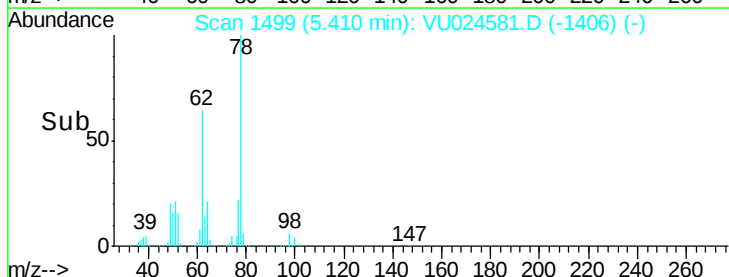
Ion Ratio Lower Upper

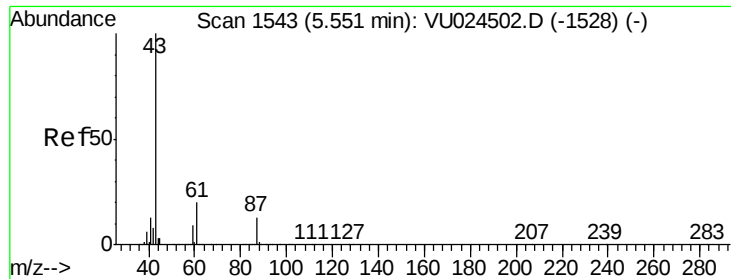
62 100

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: 45.564 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

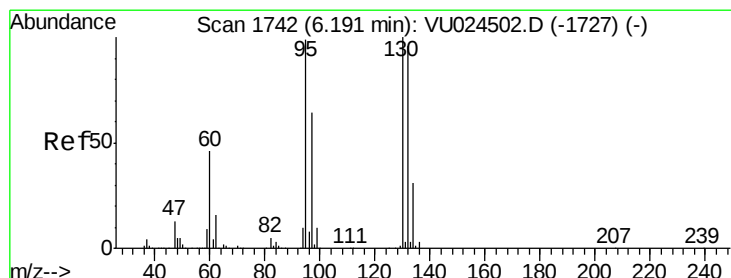
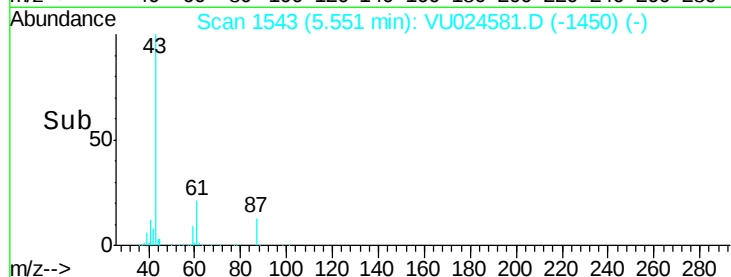
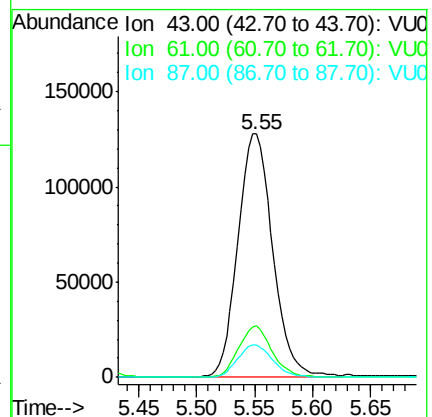
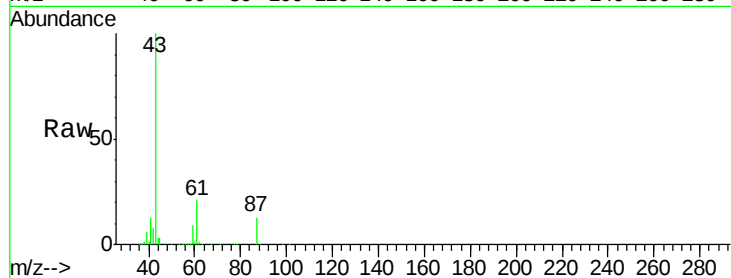
Tot Ion: 43 Resp: 266495

Ion Ratio Lower Upper

43 100

61 20.2 15.4 23.0

87 13.5 10.0 15.0



#44

Trichloroethene

Concen: 46.759 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024581.D

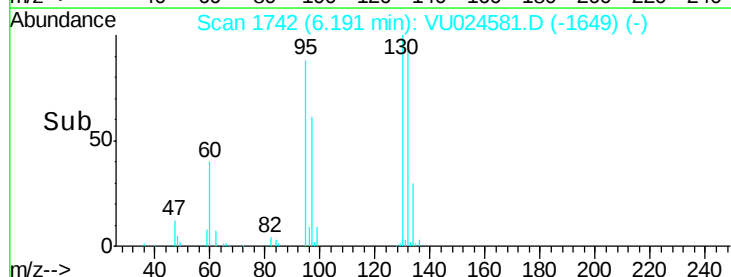
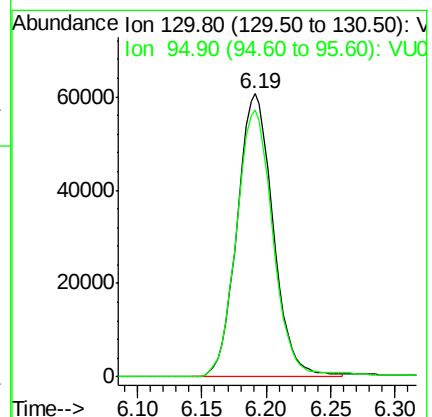
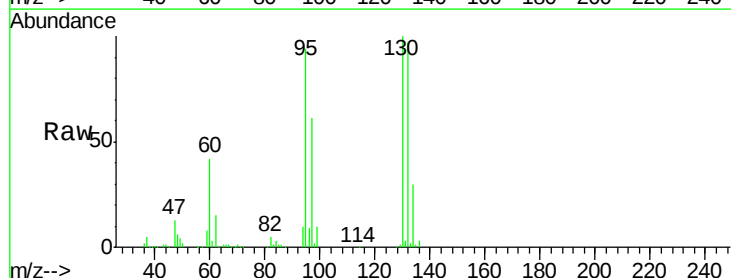
Acq: 15 Jun 2018 07:54

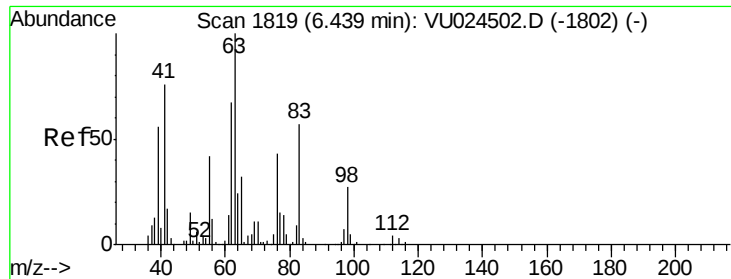
Tgt Ion:130 Resp: 117719

Ion Ratio Lower Upper

130 100

95 94.3 0.0 202.4

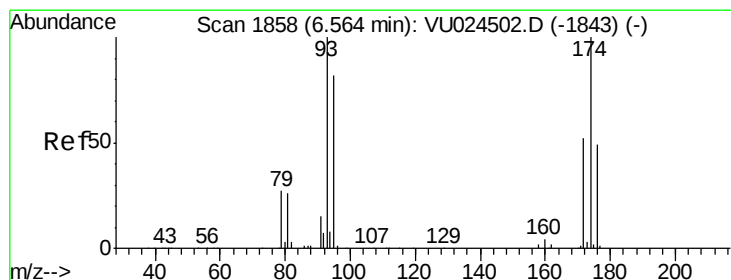
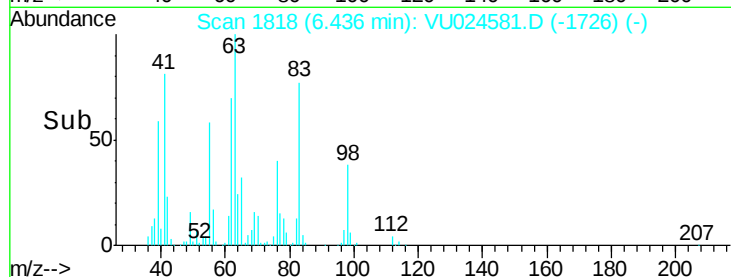
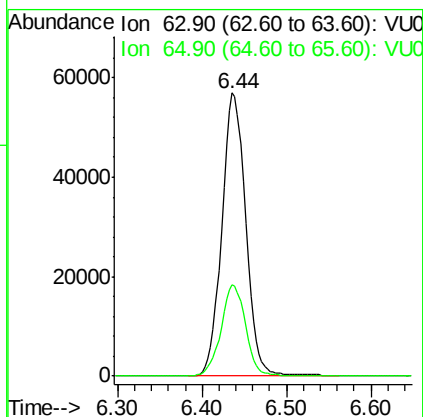
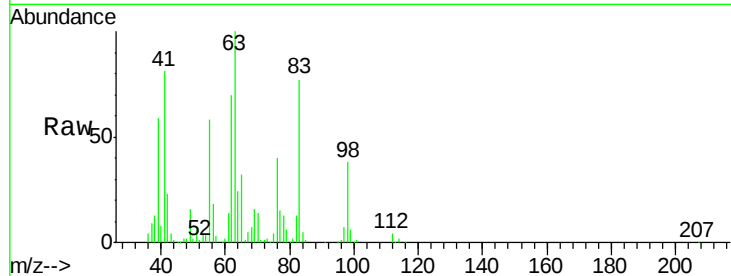




#45
 1,2-Dichloropropane
 Concen: 47.789 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

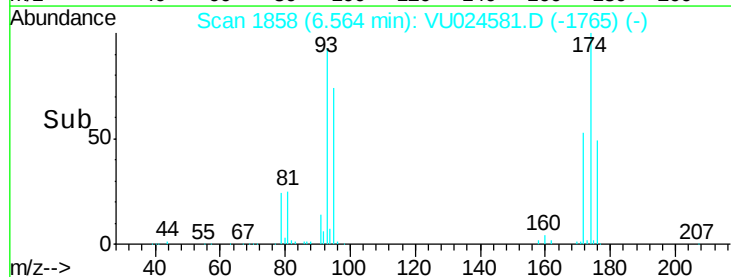
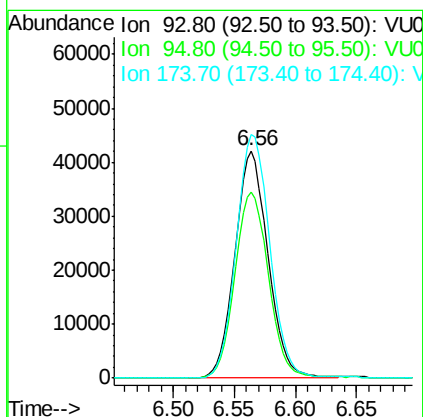
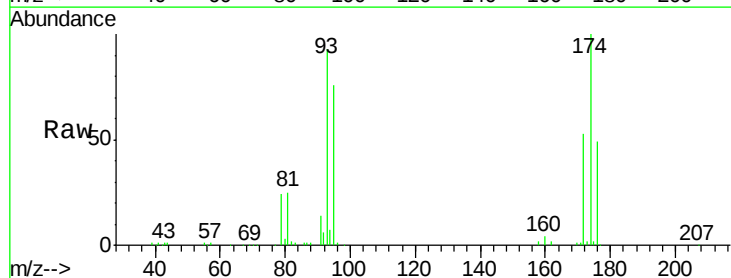
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 112798
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.8 37.2



#46
 Dibromomethane
 Concen: 47.763 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion: 93 Resp: 79187
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.5 98.3
 174 109.0 78.7 118.1





#47

Bromodichloromethane

Concen: 46.153 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

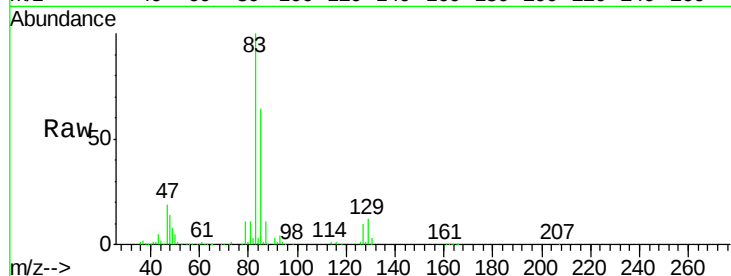
Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 152371

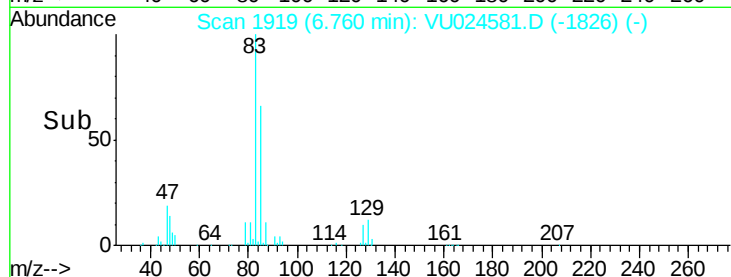
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9
127	9.6	6.6	9.8



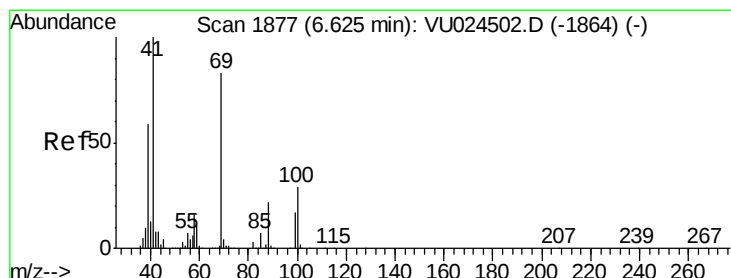
Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 45.239 ug/l

RT: 6.63 min Scan# 1877

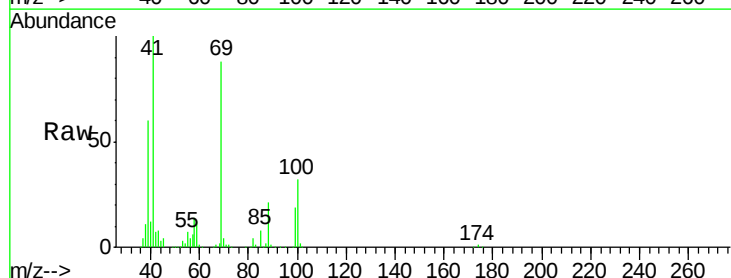
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion: 41 Resp: 128840

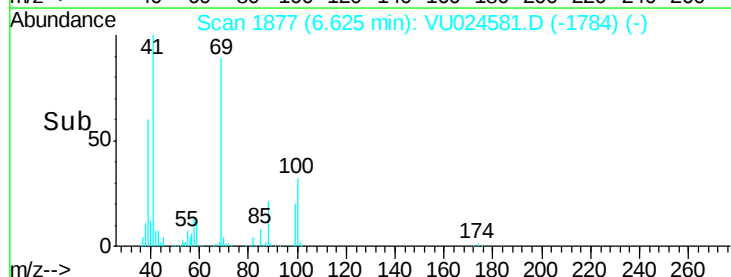
Ion	Ratio	Lower	Upper
41	100		
69	88.0	67.3	100.9
39	59.5	46.5	69.7



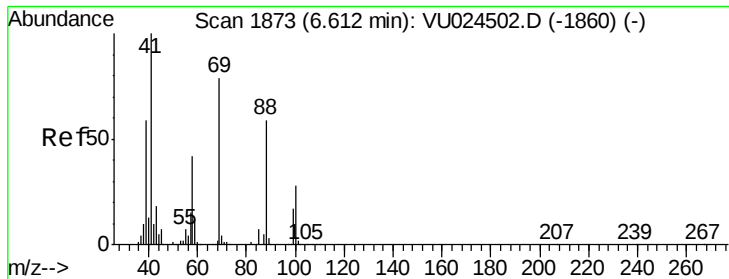
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



Time-->



#49

1,4-Dioxane

Concen: 798.022 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

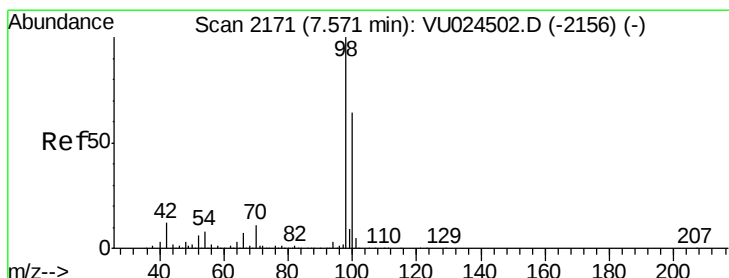
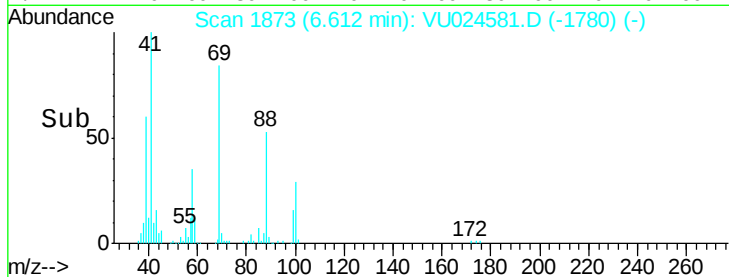
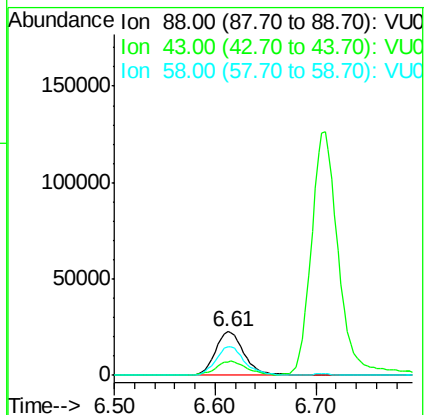
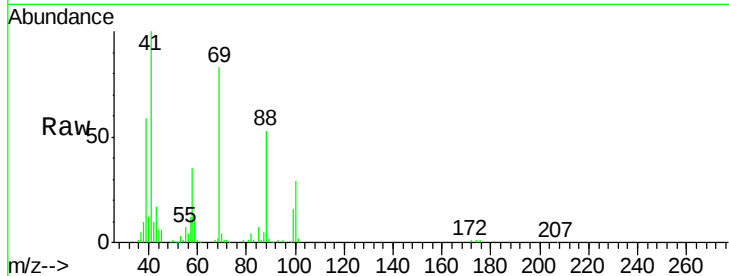
Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 44447

Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.6	42.8
58	67.1	58.2	87.4



#50

Toluene-d8

Concen: 49.476 ug/l

RT: 7.57 min Scan# 2171

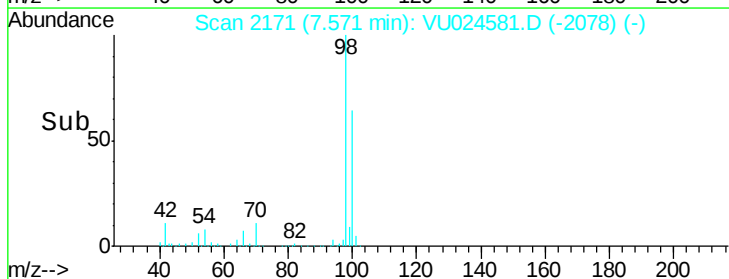
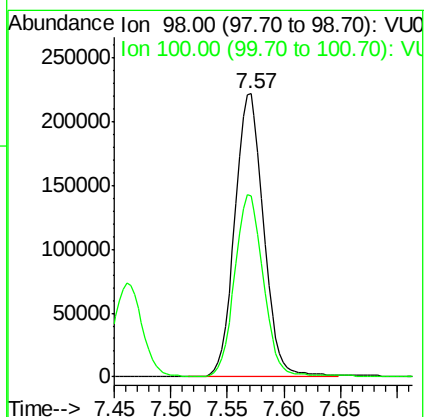
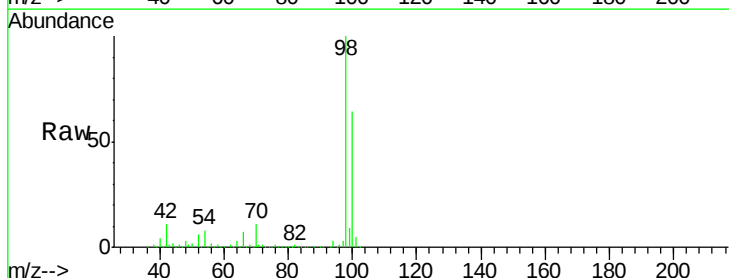
Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion: 98 Resp: 395698

Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 236.698 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

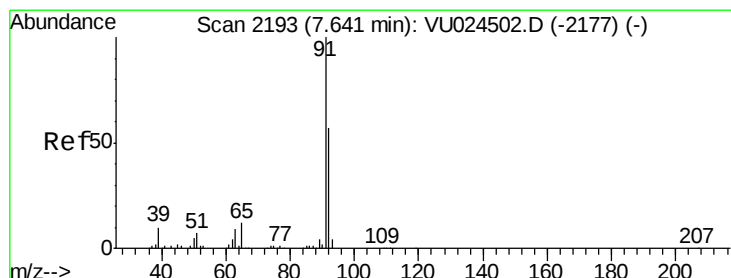
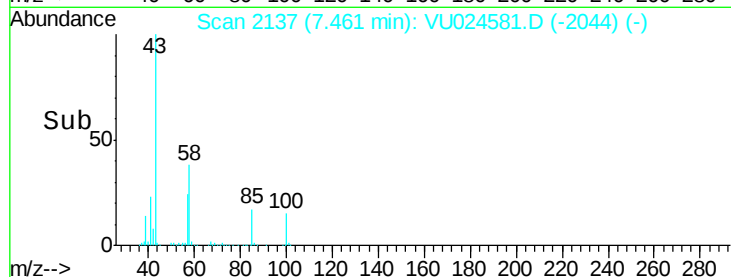
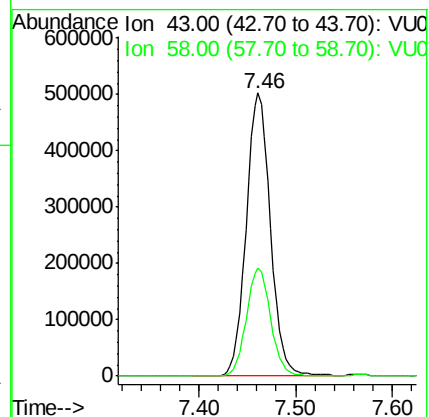
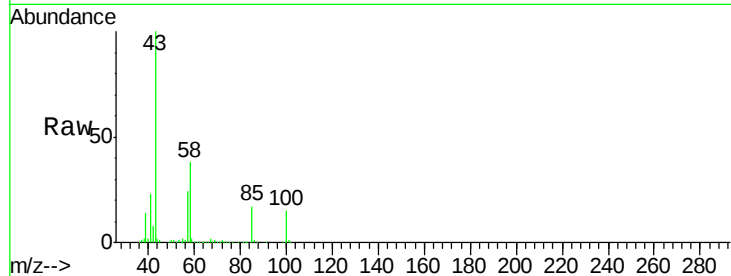
ClientSampleId :

Tot Ion: 43 Resp: 869748

Ion Ratio Lower Upper

43 100

58 38.4 30.0 45.0



#52

Toluene

Concen: 46.819 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024581.D

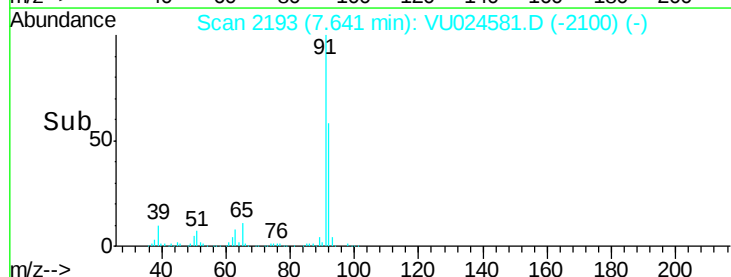
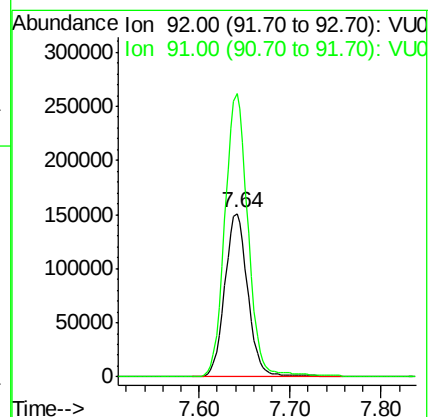
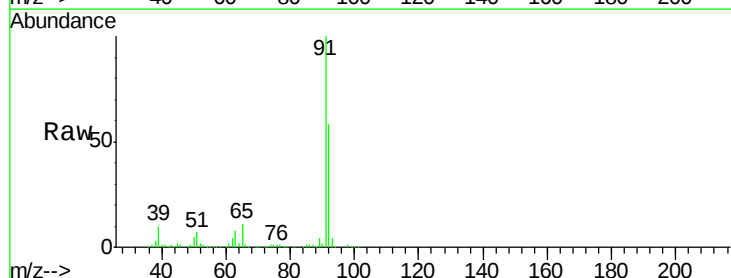
Acq: 15 Jun 2018 07:54

Tgt Ion: 92 Resp: 266460

Ion Ratio Lower Upper

92 100

91 174.6 140.5 210.7

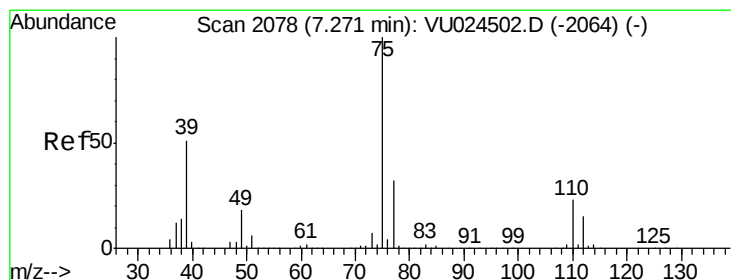
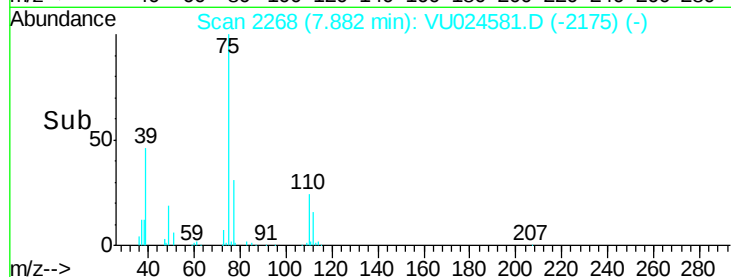
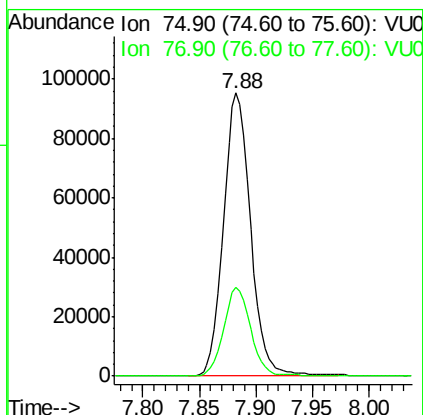
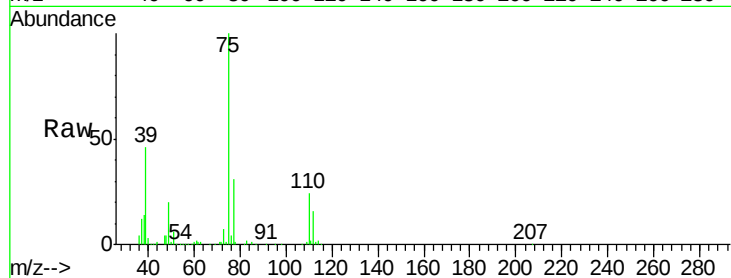




#53
t-1,3-Dichloropropene
Concen: 42.962 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

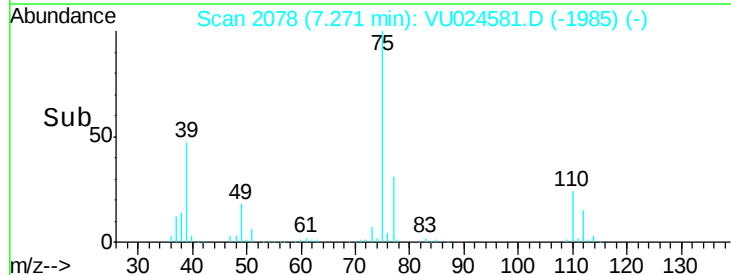
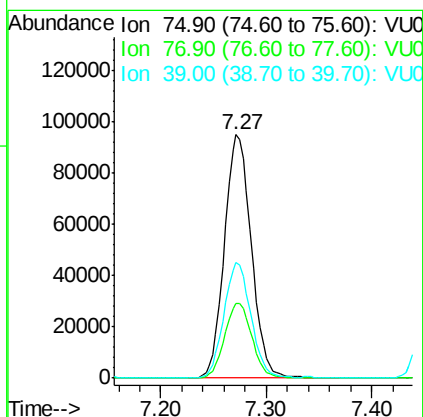
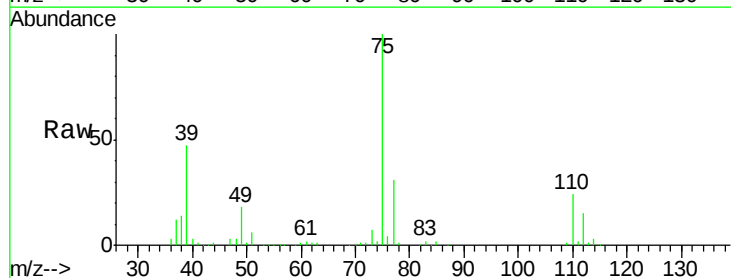
Instrument :
MSVOA_D
ClientSampled :

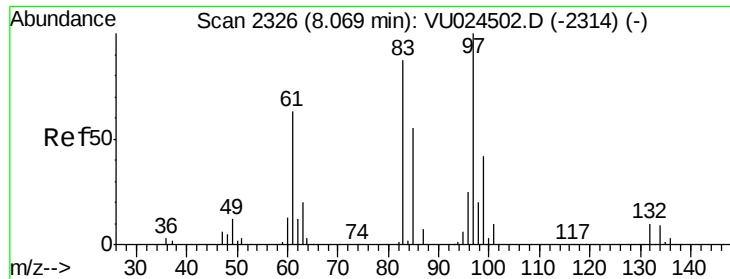
Tot Ion: 75 Resp: 159283
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 42.443 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 75 Resp: 167675
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 47.1 39.8 59.6

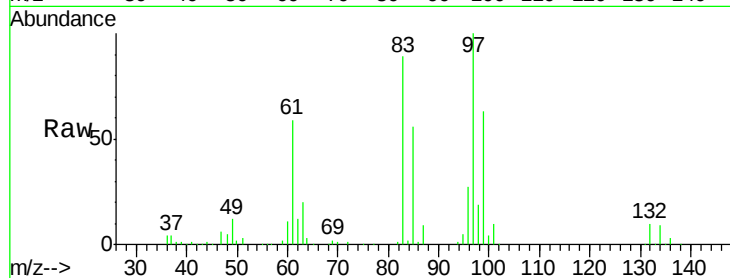




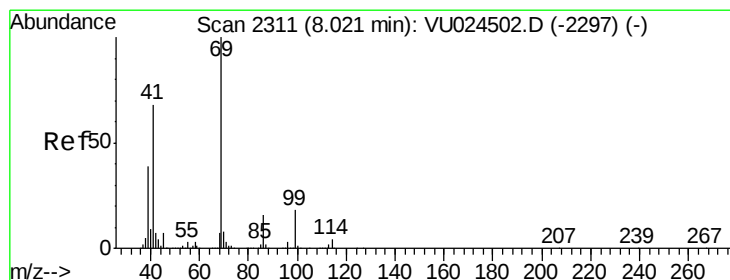
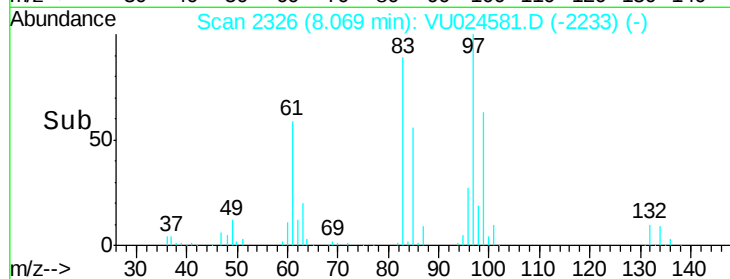
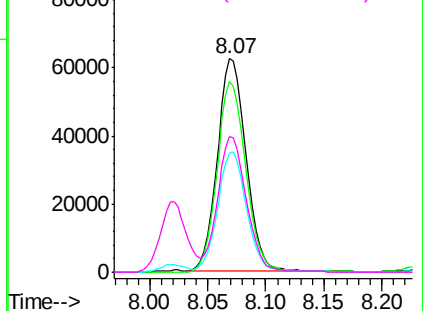
#55
 1,1,2-Trichloroethane
 Concen: 46.500 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	107573
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.5	105.7
85	55.6	46.4	69.6
99	63.3	50.2	75.2

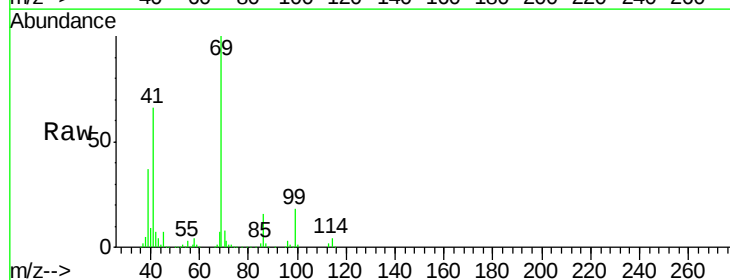


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

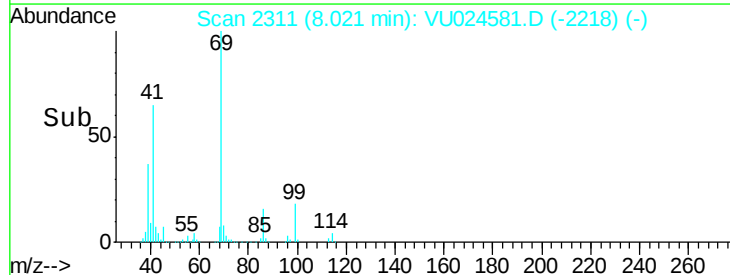
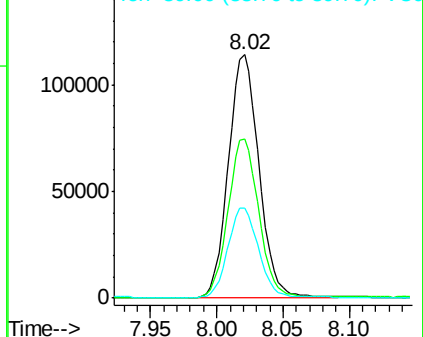


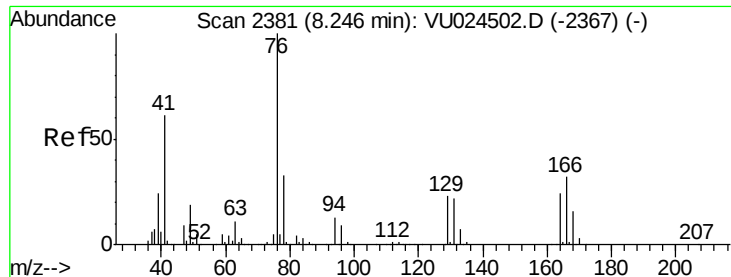
#56
 Ethyl methacrylate
 Concen: 47.441 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion:	69	Resp:	183693
Ion	Ratio	Lower	Upper
69	100		
41	65.1	54.1	81.1
39	36.3	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 47.836 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

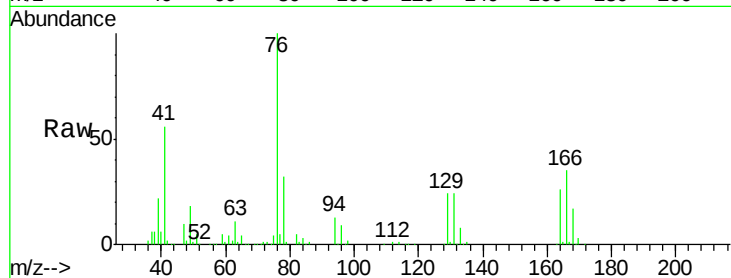
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 186682

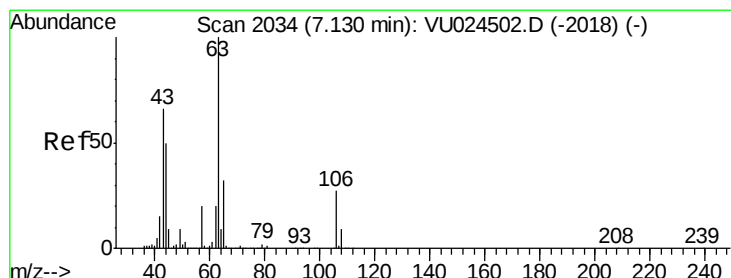
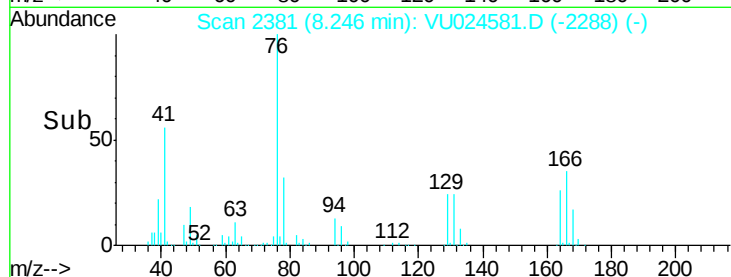
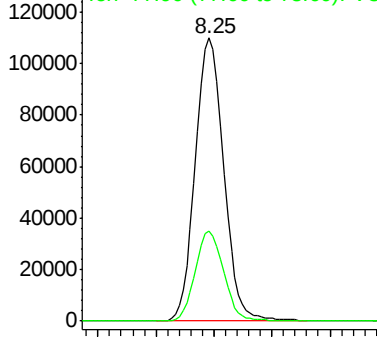
Ion Ratio Lower Upper

76 100

78 31.8 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 238.771 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU024581.D

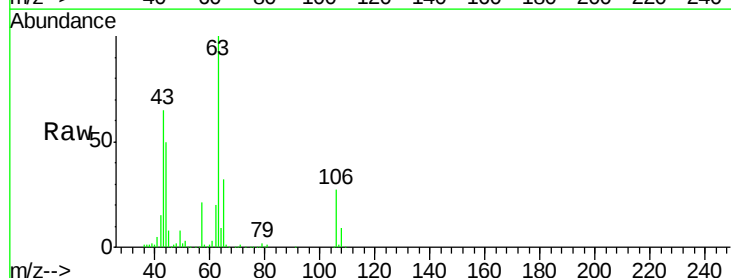
Acq: 15 Jun 2018 07:54

Tgt Ion: 63 Resp: 354196

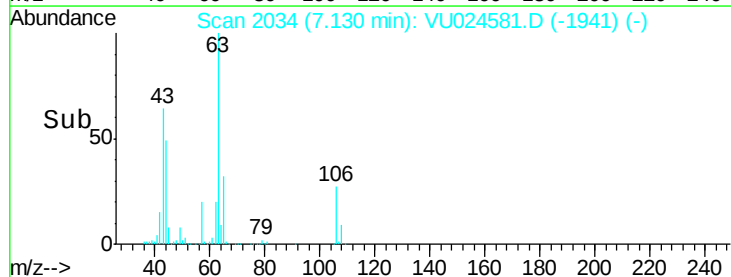
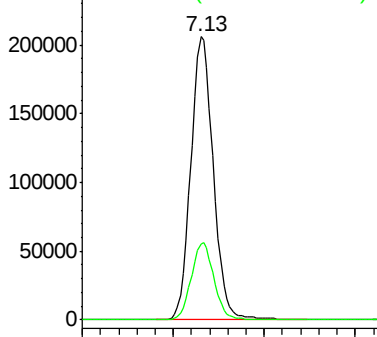
Ion Ratio Lower Upper

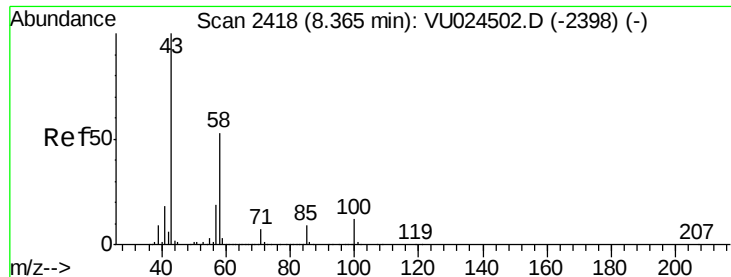
63 100

106 27.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0
Ion 105.90 (105.60 to 106.60): V

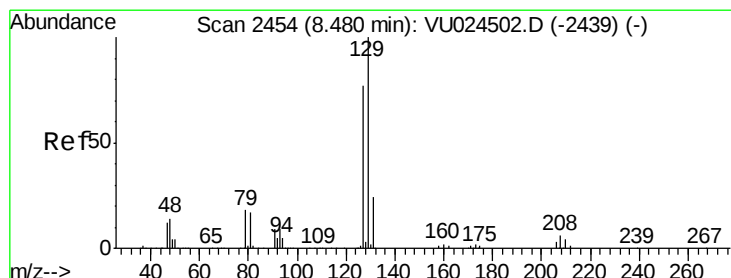
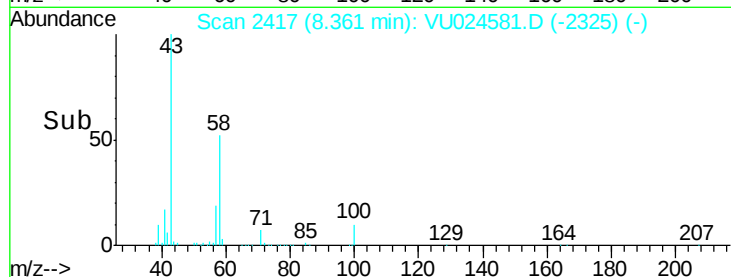
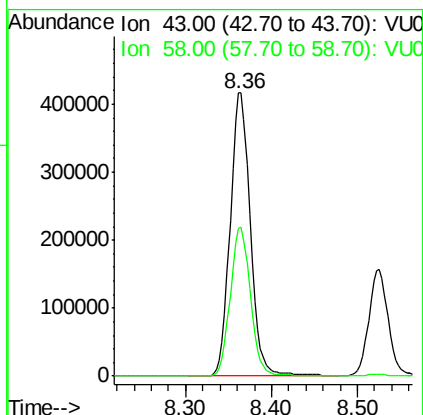
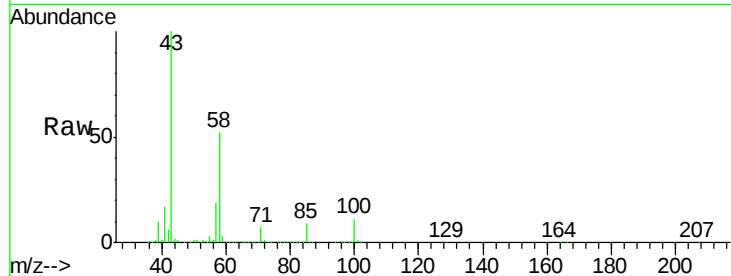




#59
2-Hexanone
Concen: 225.114 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

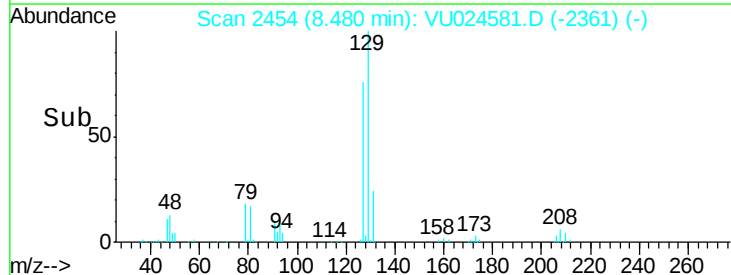
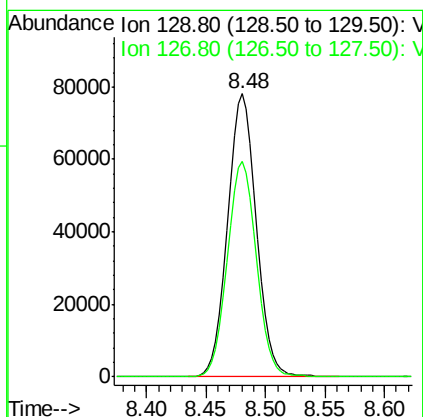
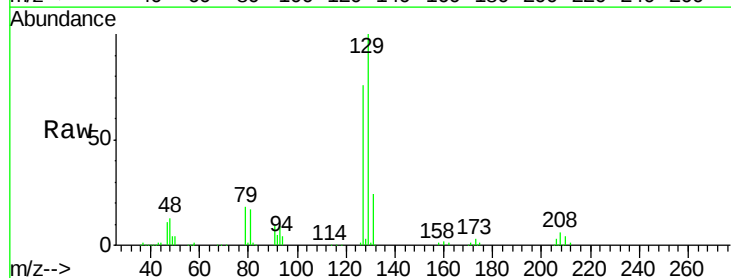
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 675317
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0



#60
Dibromochloromethane
Concen: 45.315 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 129 Resp: 130728
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0

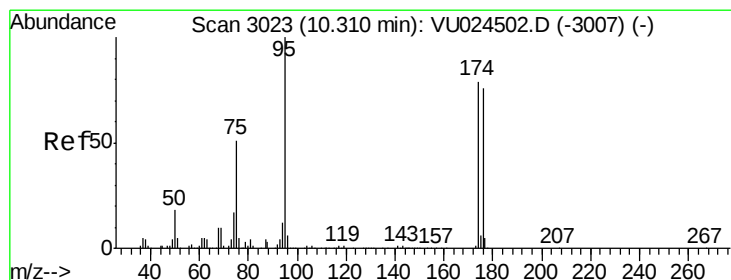
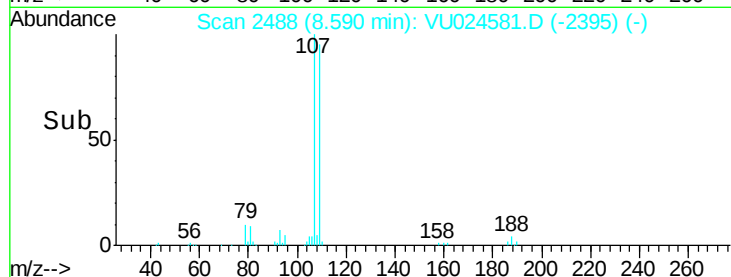
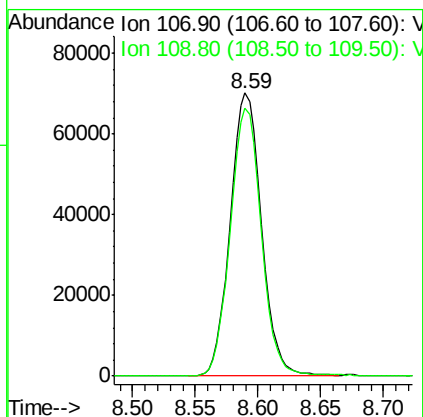
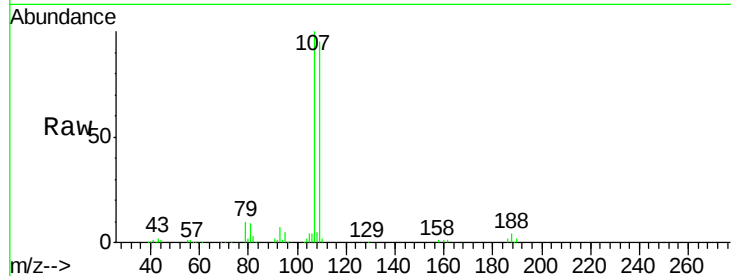




#61
 1,2-Dibromoethane
 Concen: 47.220 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

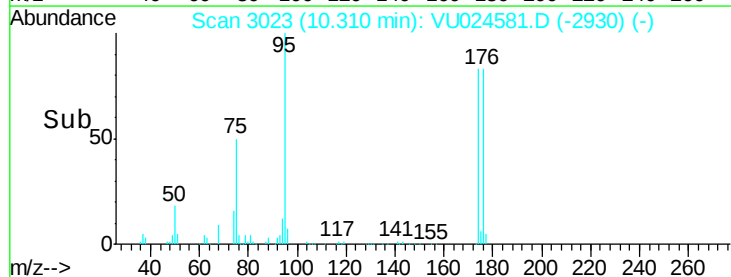
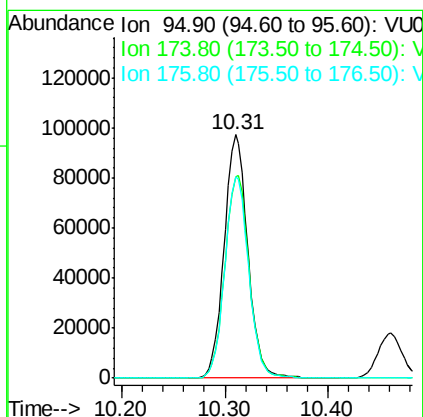
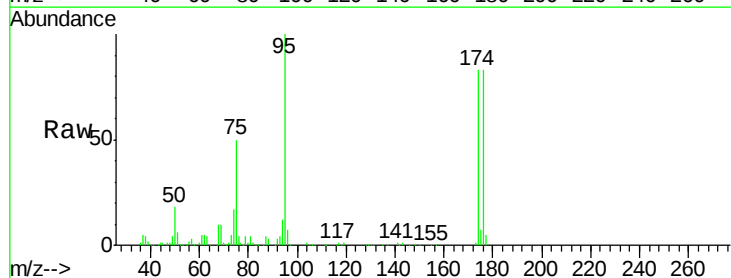
Instrument :
 MSVOA_D
 ClientSampled :

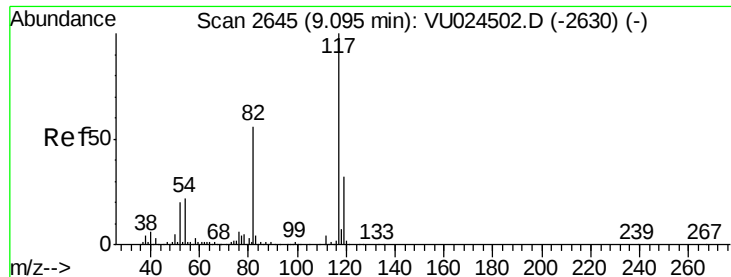
Tot Ion:107 Resp: 121586
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 49.008 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion: 95 Resp: 155622
 Ion Ratio Lower Upper
 95 100
 174 85.3 0.0 165.8
 176 83.4 0.0 159.4

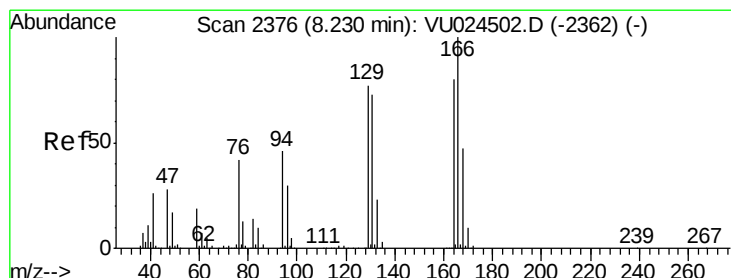
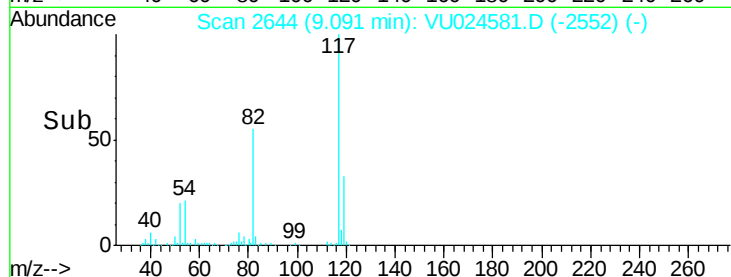
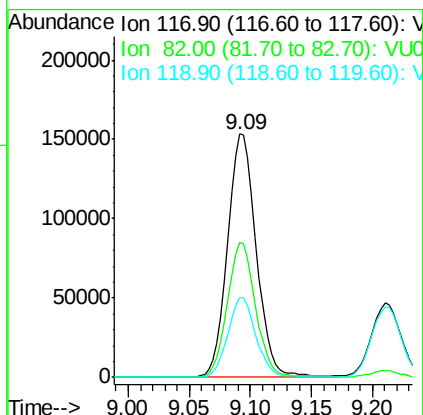
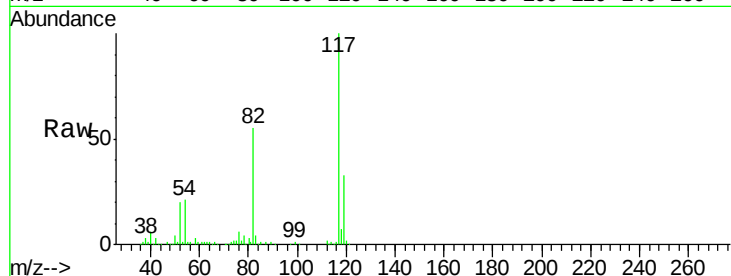




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

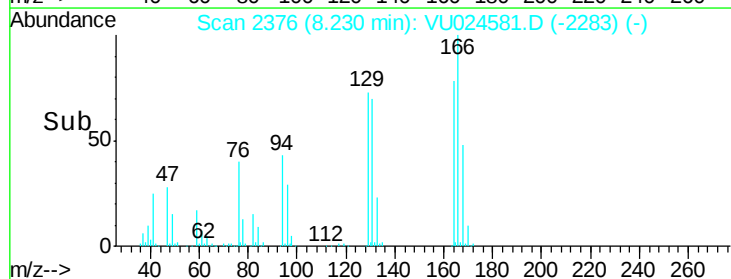
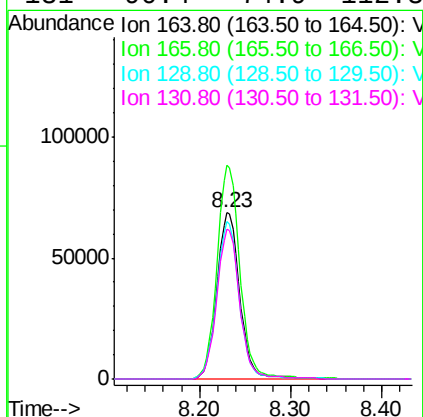
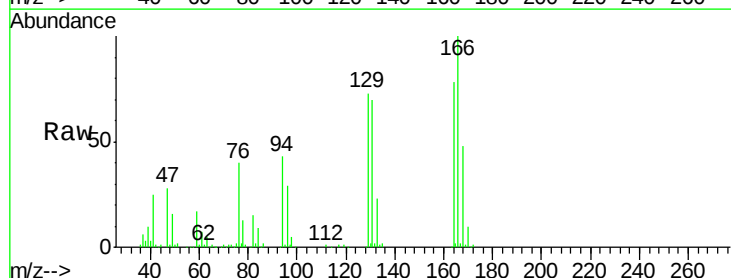
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	33.0	25.4	38.2



#64
Tetrachloroethene
Concen: 49.856 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.7	152.5
129	94.6	76.9	115.3
131	90.4	74.9	112.3

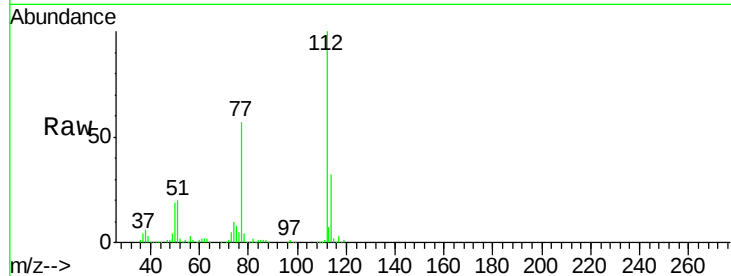




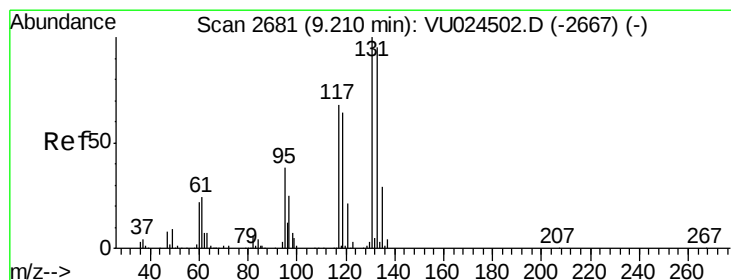
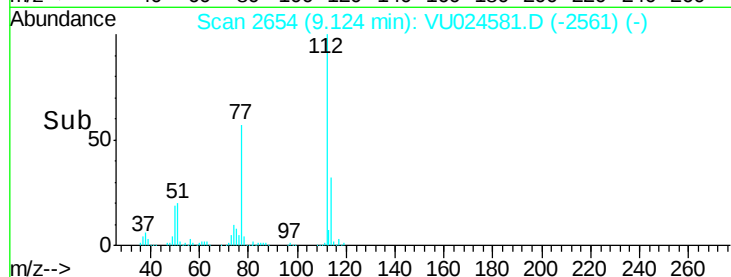
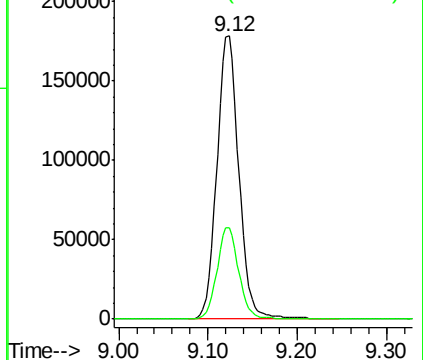
#65
Chlorobenzene
Concen: 46.770 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 303739
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

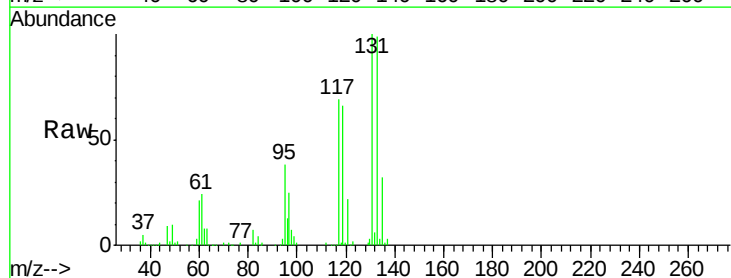


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

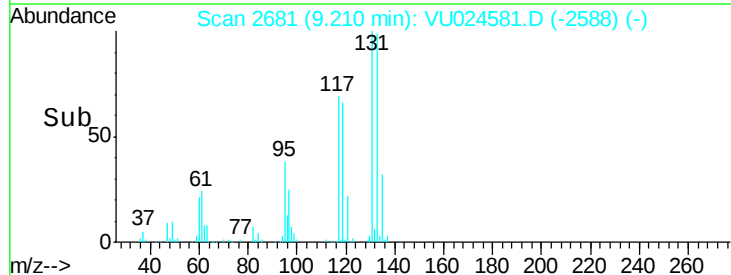
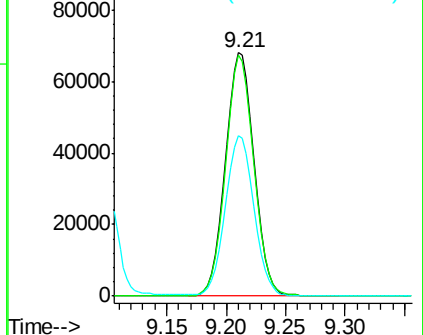


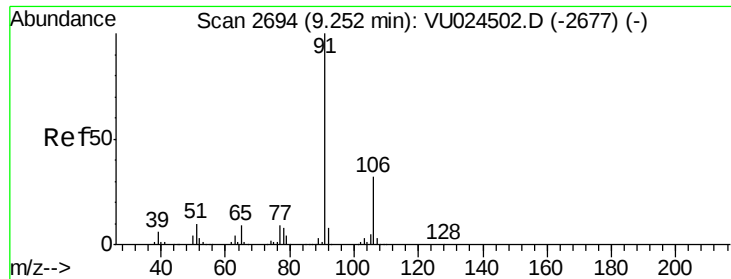
#66
1,1,1,2-Tetrachloroethane
Concen: 46.085 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion:131 Resp: 113706
Ion Ratio Lower Upper
131 100
133 97.5 46.9 140.8
119 66.3 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

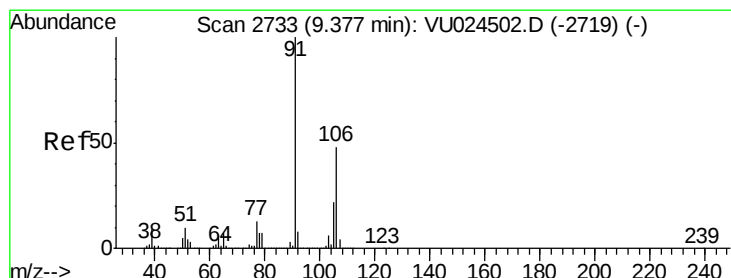
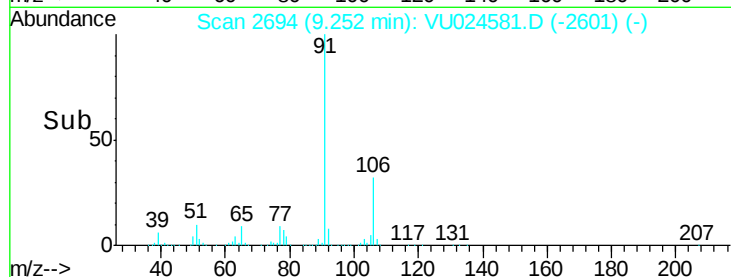
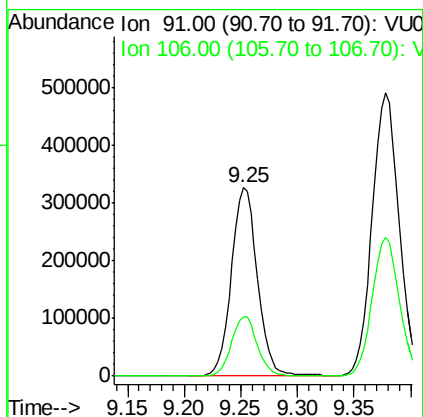
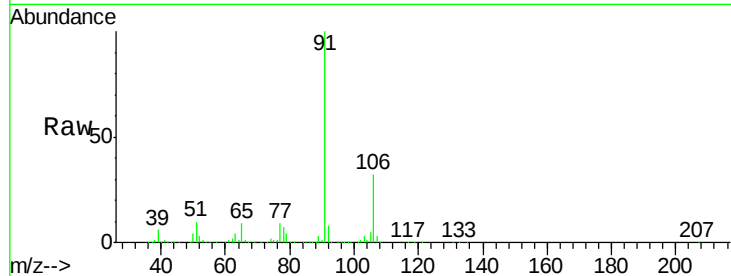




#67
Ethyl Benzene
Concen: 46.094 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

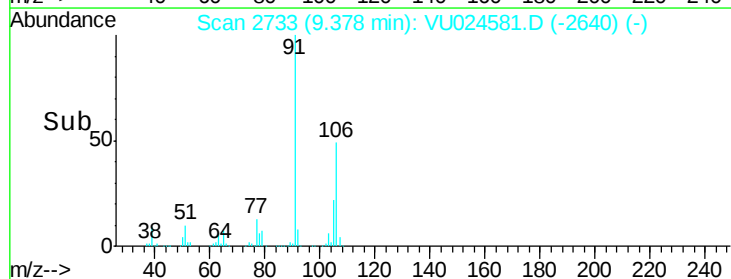
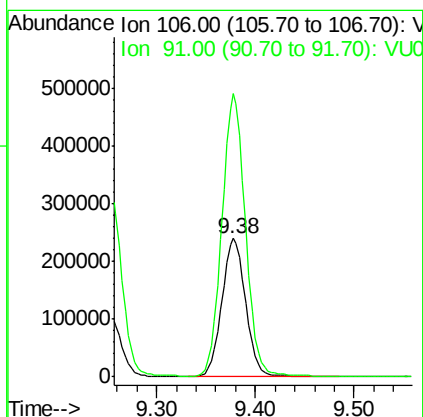
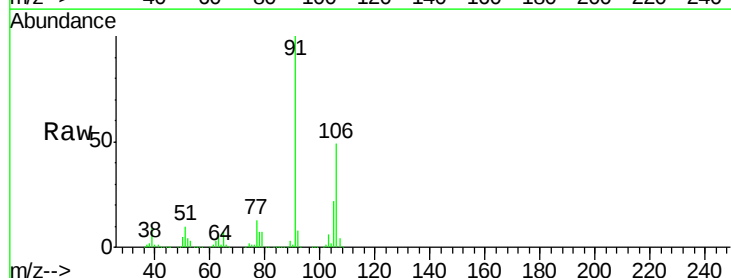
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 524779
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4



#68
m/p-Xylenes
Concen: 92.992 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 106 Resp: 406547
Ion Ratio Lower Upper
106 100
91 202.4 166.5 249.7

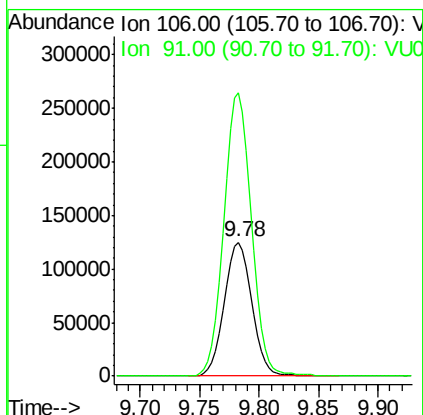
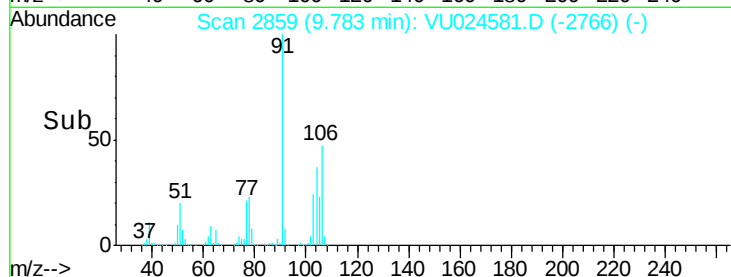
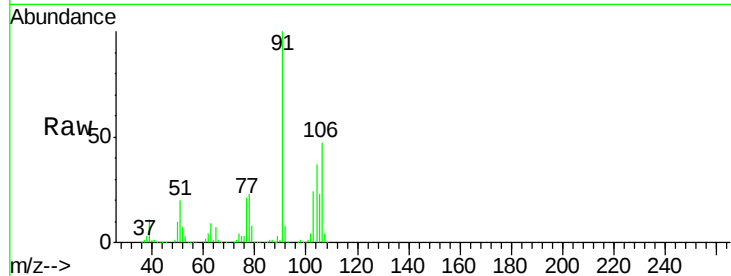




#69
o-Xylene
Concen: 46.409 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

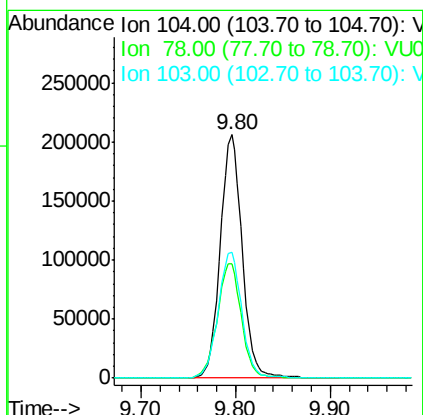
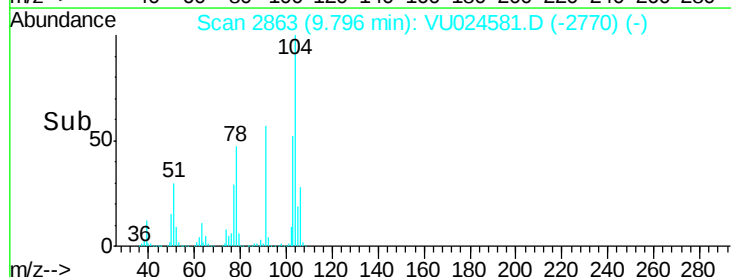
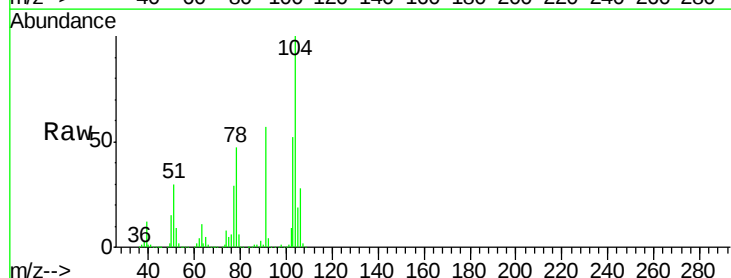
Instrument :
MSVOA_D
ClientSampled :

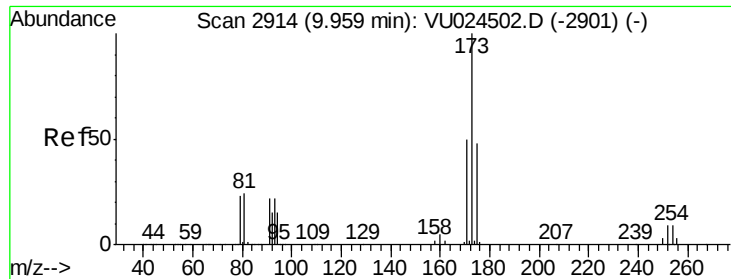
Tot Ion:106 Resp: 200796
Ion Ratio Lower Upper
106 100
91 211.8 110.7 331.9



#70
Styrene
Concen: 46.613 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion:104 Resp: 331428
Ion Ratio Lower Upper
104 100
78 51.7 40.6 60.8
103 56.0 44.7 67.1





#71

Bromoform

Concen: 46.682 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :
MSVOA_D
ClientSampleId :

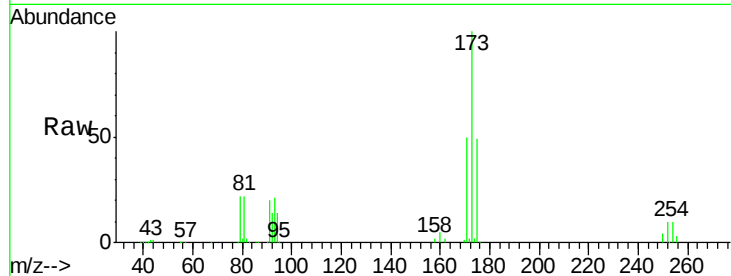
Tot Ion:173 Resp: 109477

Ion Ratio Lower Upper

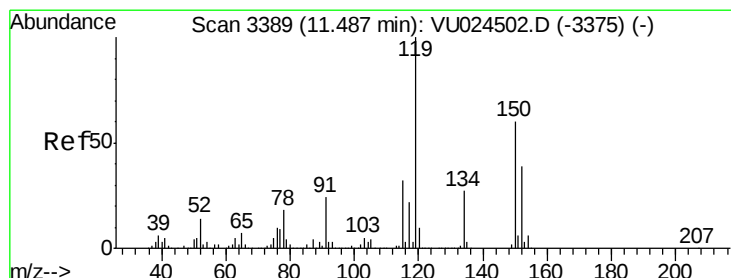
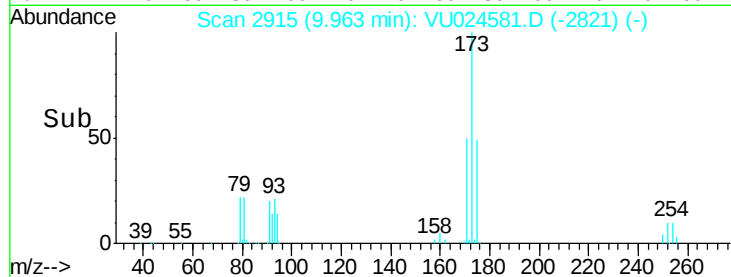
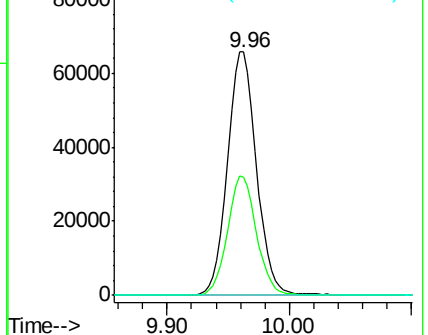
173 100

175 48.6 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: VU024581.D

Acq: 15 Jun 2018 07:54

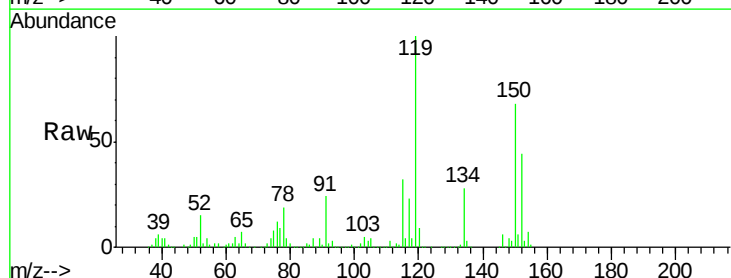
Tgt Ion:152 Resp: 156160

Ion Ratio Lower Upper

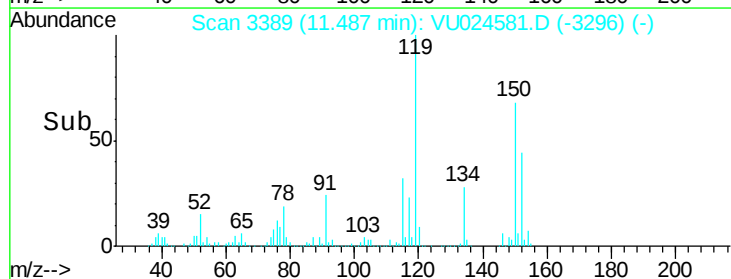
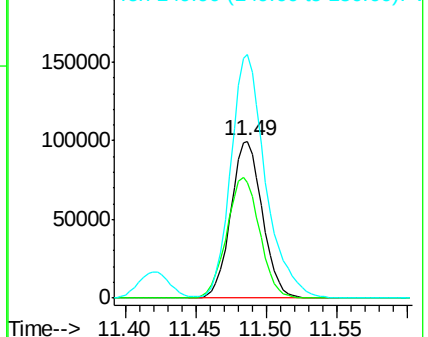
152 100

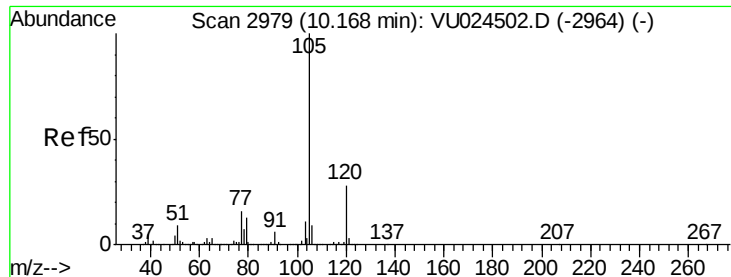
115 80.3 43.0 129.0

150 170.7 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: 44.243 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

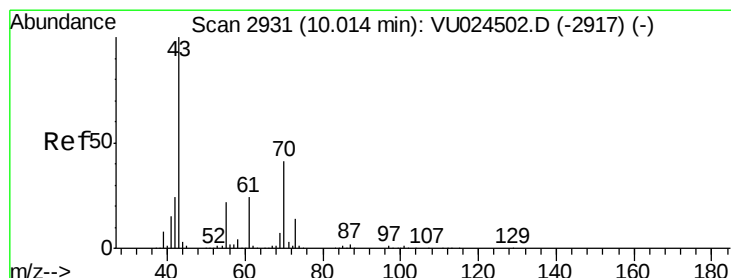
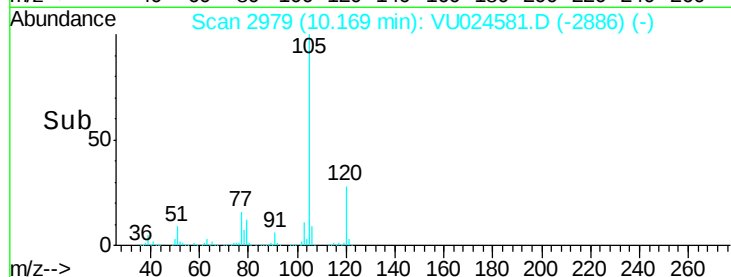
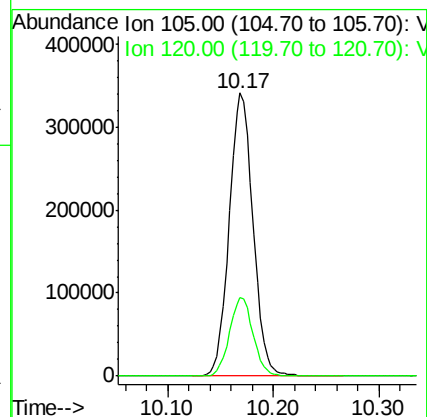
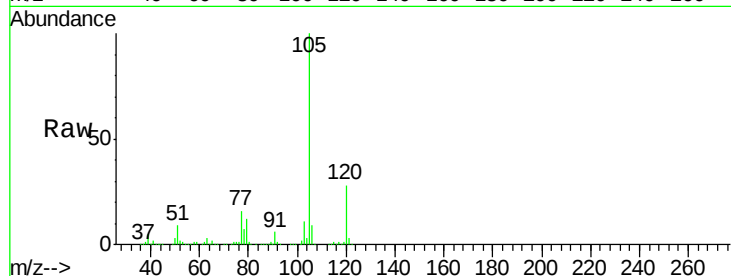
ClientSampleId :

Tot Ion:105 Resp: 530445

Ion Ratio Lower Upper

105 100

120 27.6 13.2 39.6



#74

N-ethyl acetate

Concen: 43.978 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Tgt Ion: 43 Resp: 250796

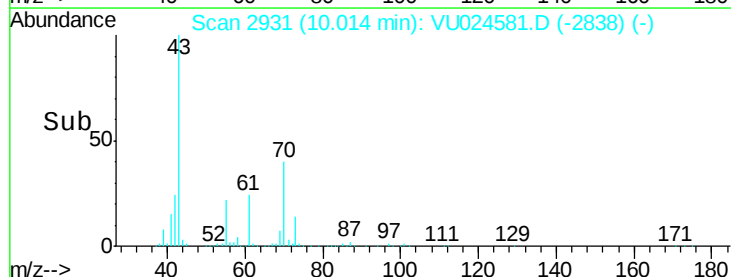
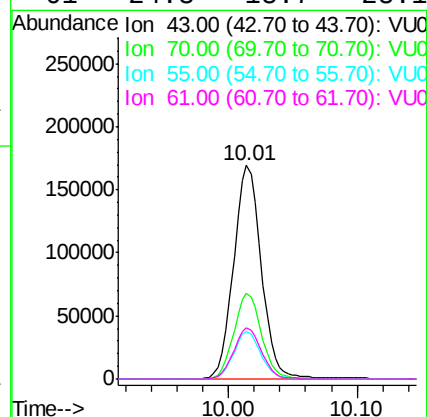
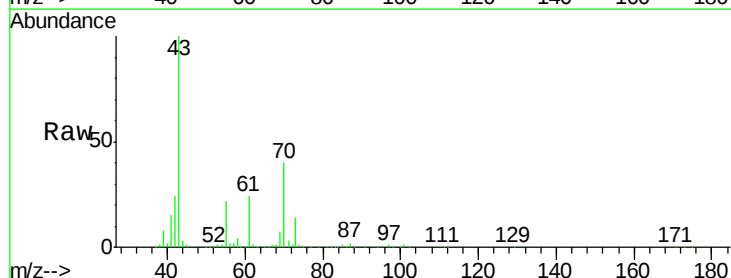
Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.4

55 21.9 20.5 30.7

61 24.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.720 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

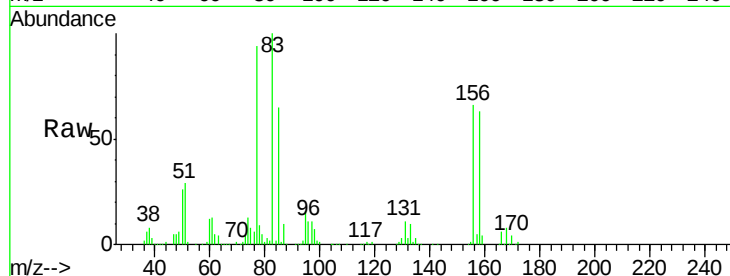
Tot Ion: 83 Resp: 183686

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

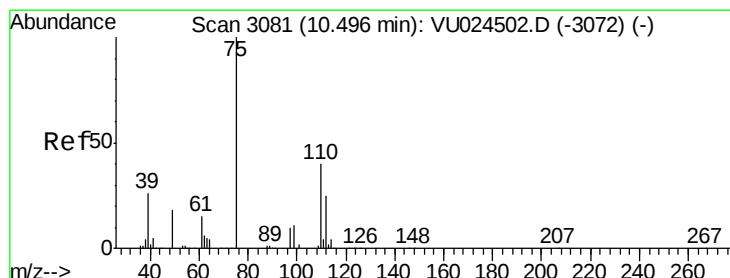
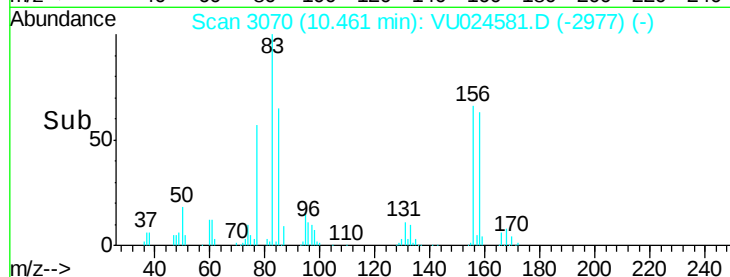
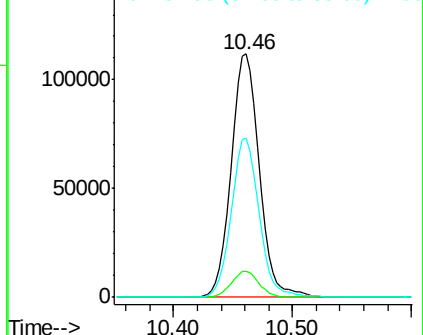
85 64.8 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU024581.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024581.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024581.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 59.911 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024581.D

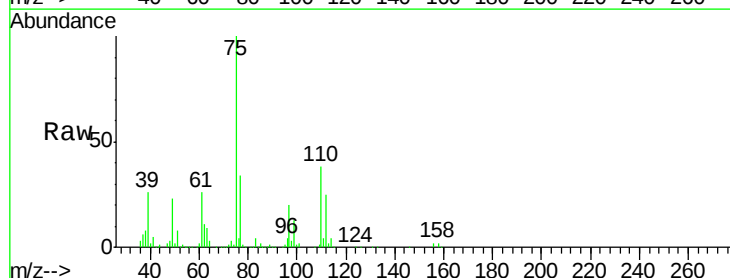
Acq: 15 Jun 2018 07:54

Tgt Ion: 75 Resp: 205978

Ion Ratio Lower Upper

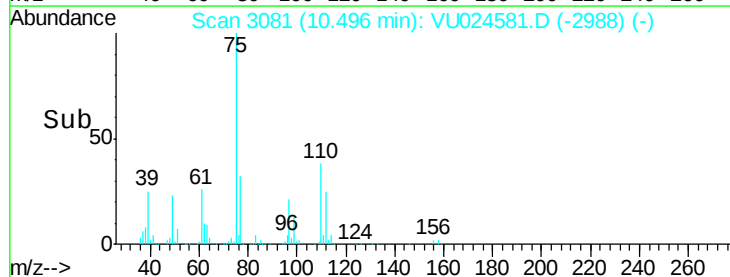
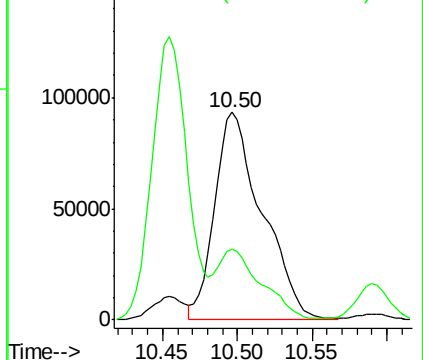
75 100

77 30.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024581.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024581.D (-2988) (-)





#77

Bromobenzene

Concen: 46.544 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

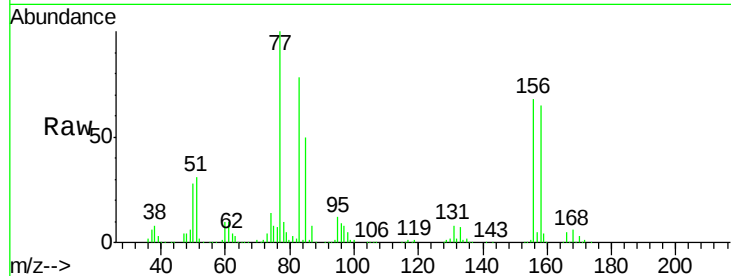
Tot Ion:156 Resp: 141273

Ion Ratio Lower Upper

156 100

77 147.8 80.5 241.3

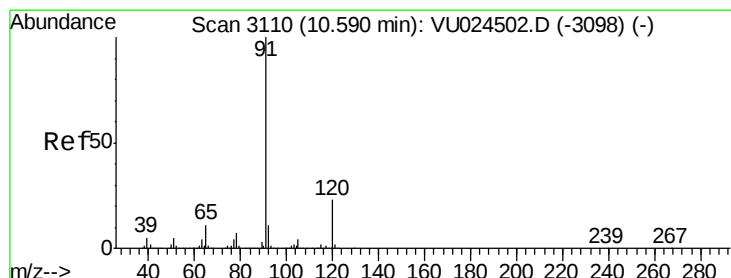
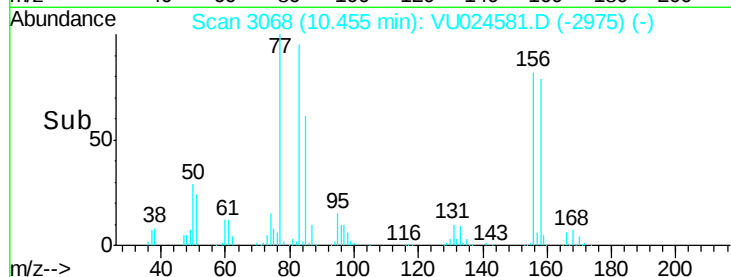
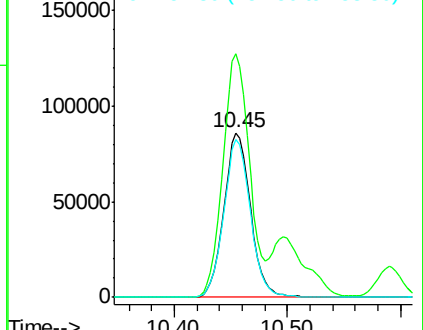
158 95.7 48.2 144.6



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: 44.158 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024581.D

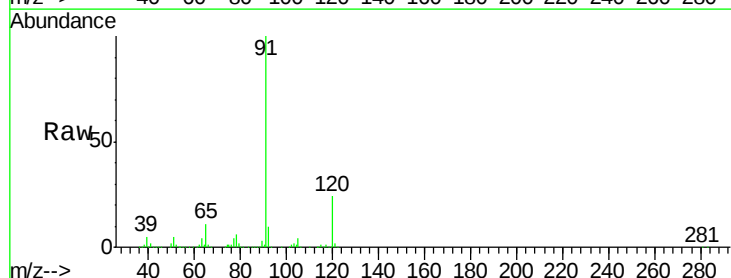
Acq: 15 Jun 2018 07:54

Tgt Ion: 91 Resp: 623658

Ion Ratio Lower Upper

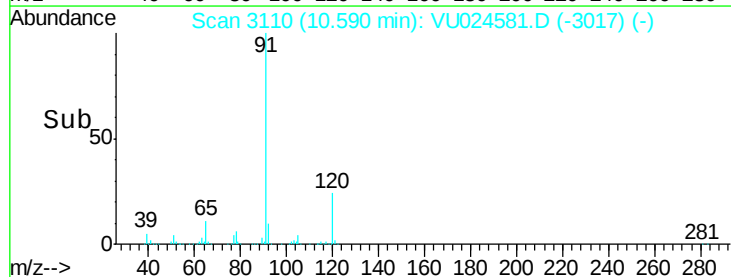
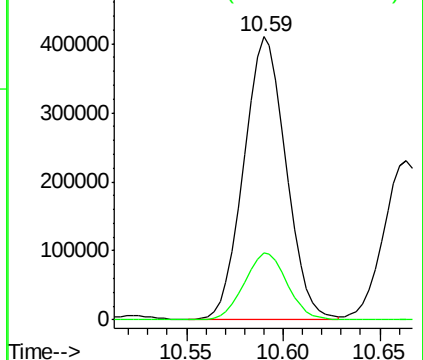
91 100

120 24.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.262 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

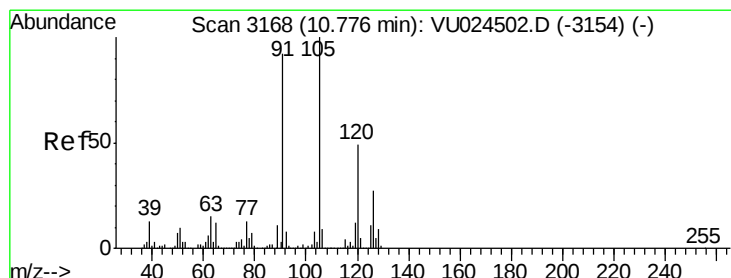
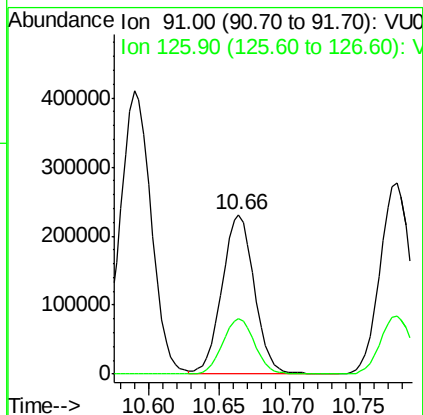
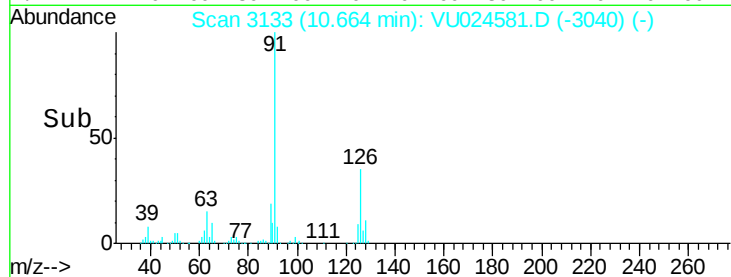
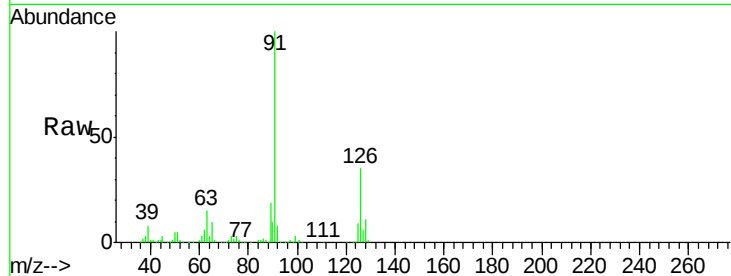
ClientSampleId :

Tot Ion: 91 Resp: 368648

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 43.987 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024581.D

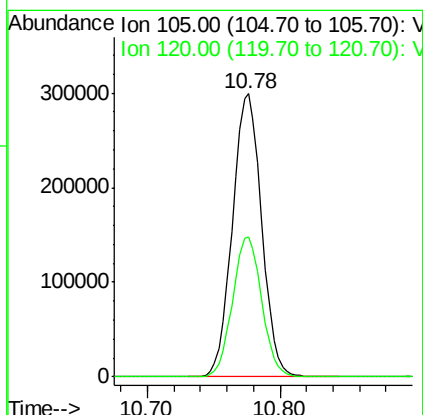
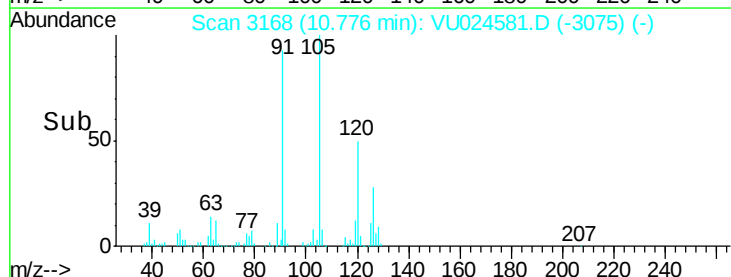
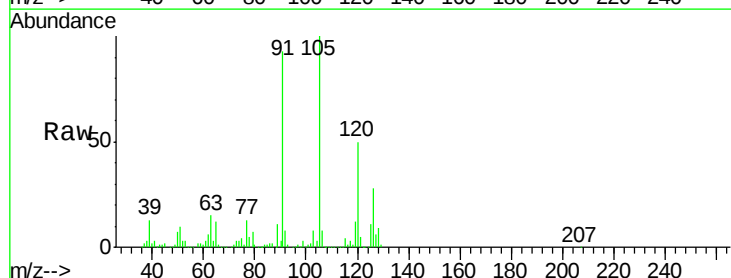
Acq: 15 Jun 2018 07:54

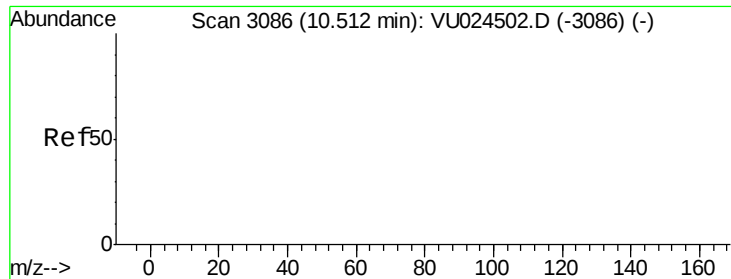
Tgt Ion: 105 Resp: 457096

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2

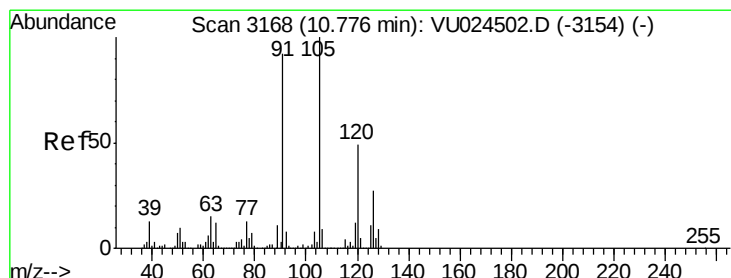
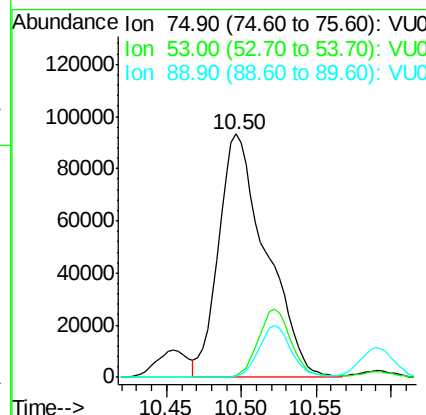
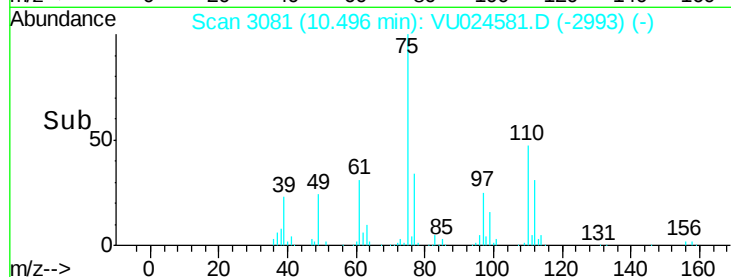
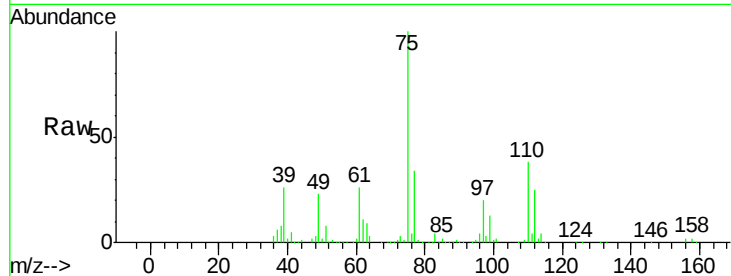




#81
trans-1,4-Dichloro-2-butene
Concen: 138.659 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

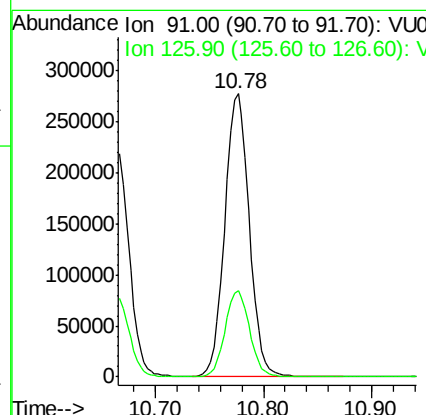
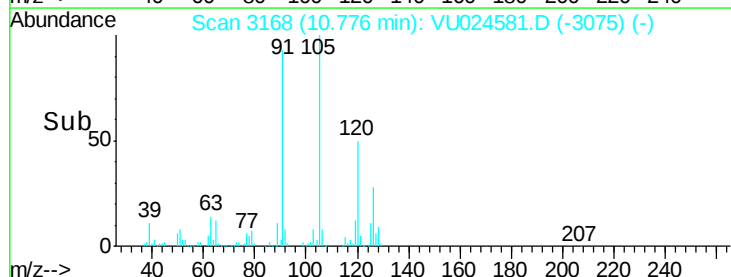
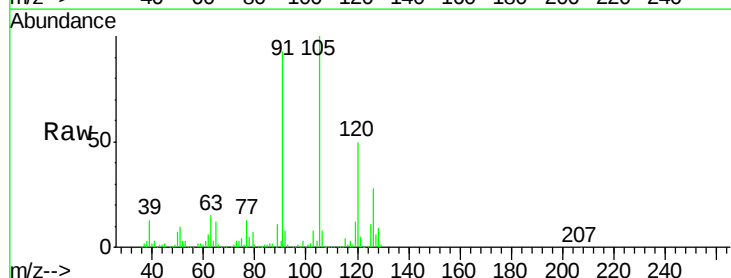
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 205978
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 44.976 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024581.D
Acq: 15 Jun 2018 07:54

Tgt Ion: 91 Resp: 435991
Ion Ratio Lower Upper
91 100
126 30.7 14.9 44.9

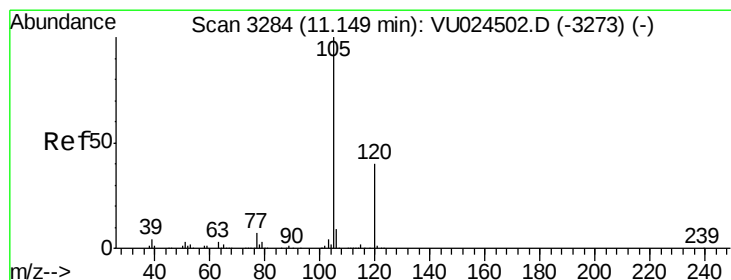
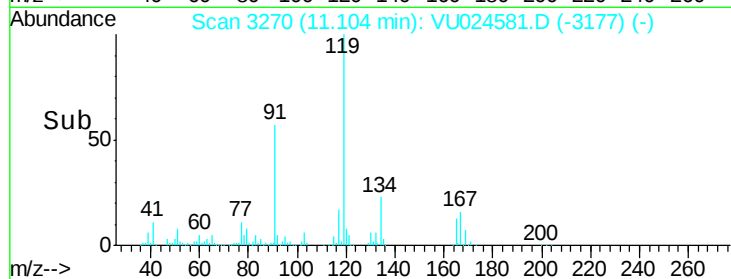
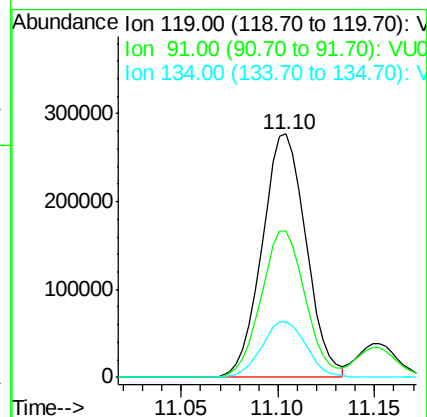
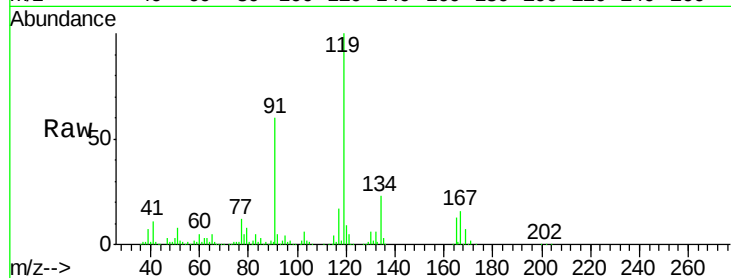




#83
 tert-Butylbenzene
 Concen: 43.785 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

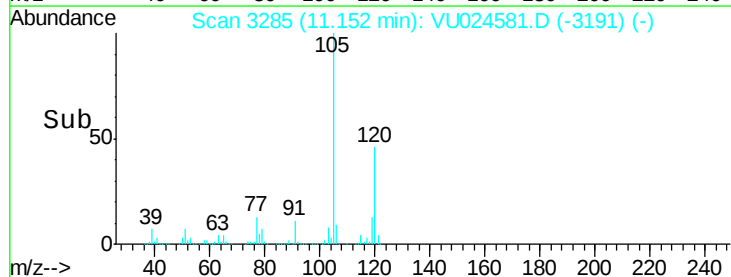
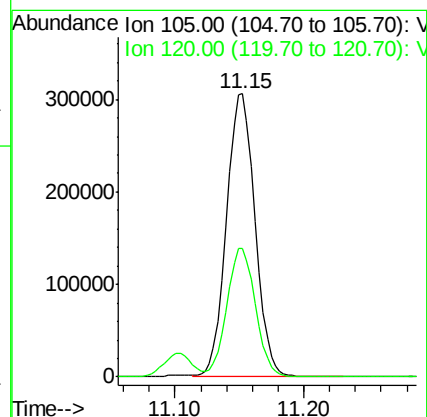
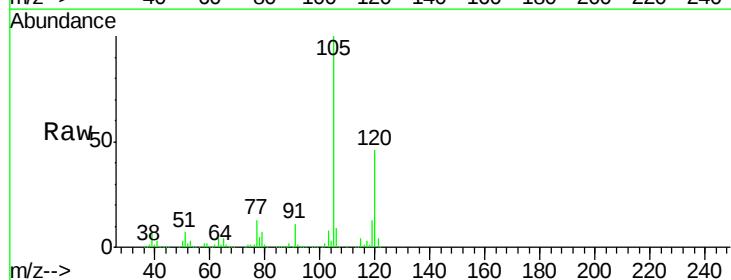
Instrument :
 MSVOA_D
 ClientSampleId :

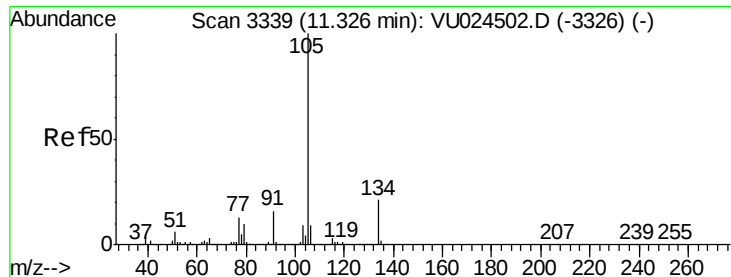
Tot Ion:119 Resp: 437673
 Ion Ratio Lower Upper
 119 100
 91 60.7 29.7 89.1
 134 23.3 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 44.271 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion:105 Resp: 468836
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.6 67.8





#85

sec-Butylbenzene

Concen: 44.060 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

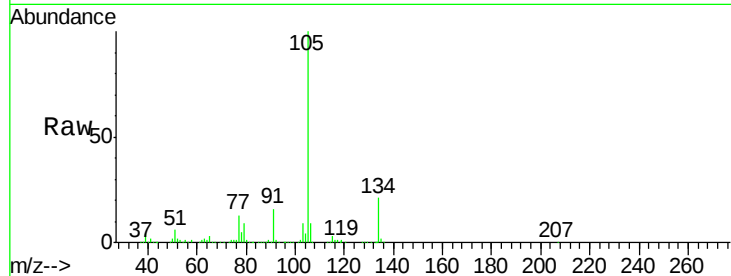
ClientSampleId :

Tot Ion:105 Resp: 551295

Ion Ratio Lower Upper

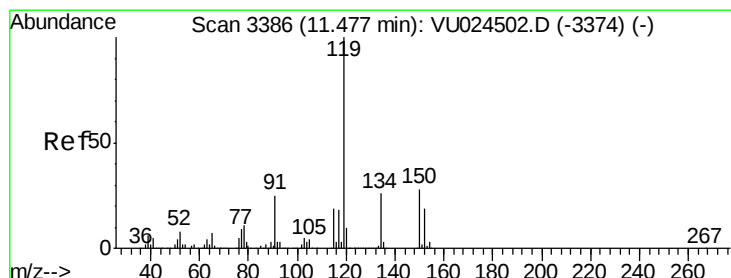
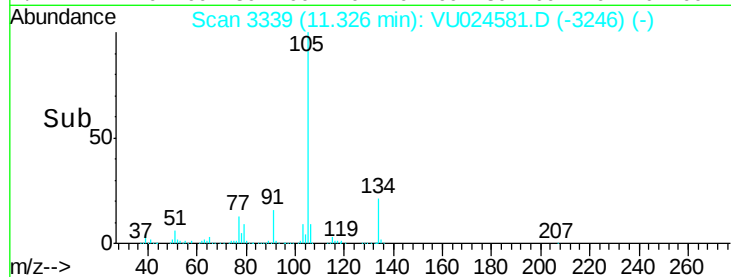
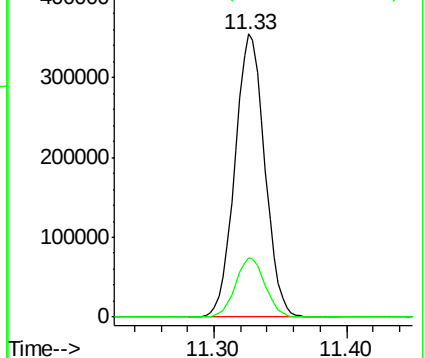
105 100

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: 43.816 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

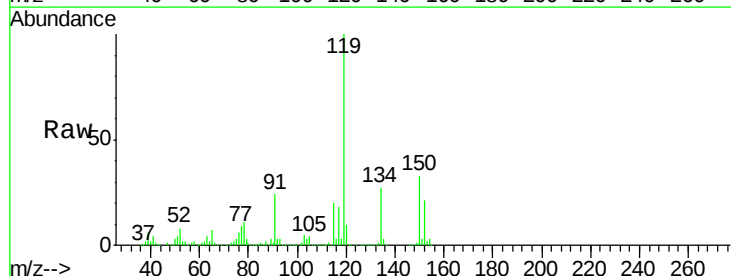
Tgt Ion:119 Resp: 491013

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

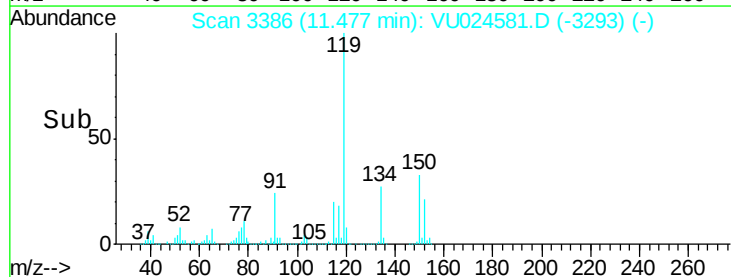
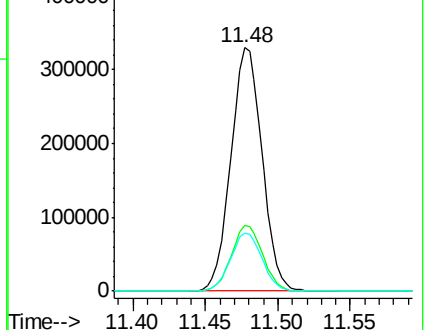
91 24.2 12.0 36.1



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

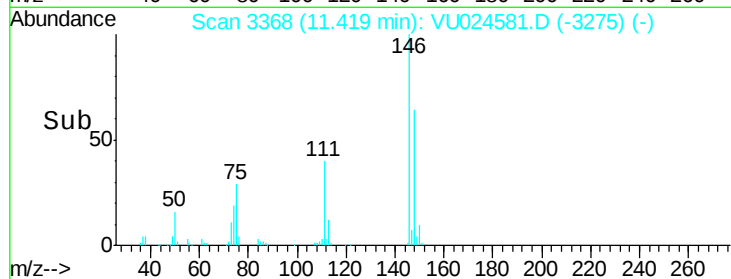
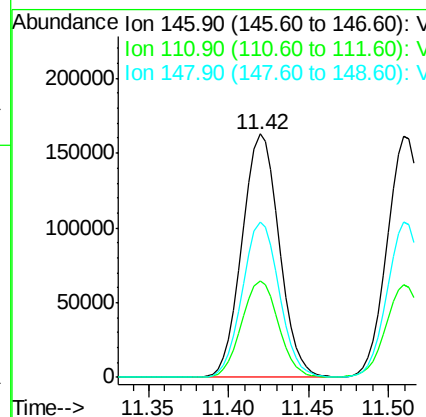
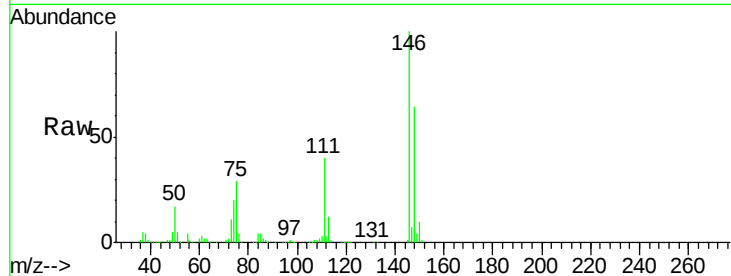




#87
 1,3-Dichlorobenzene
 Concen: 45.984 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

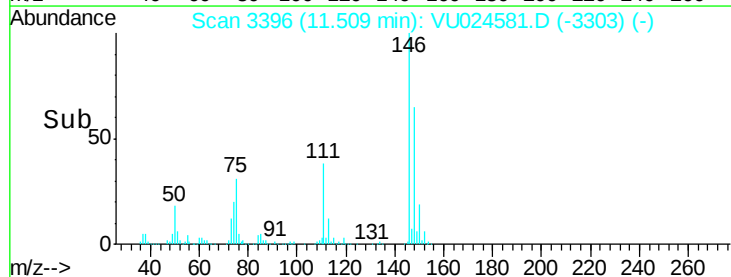
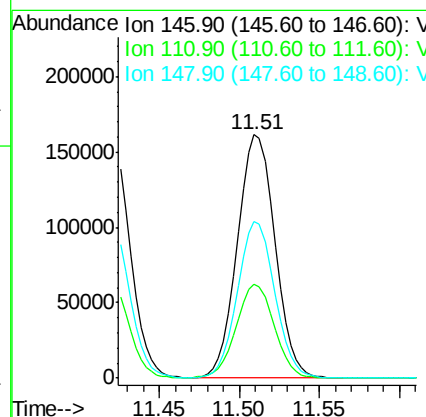
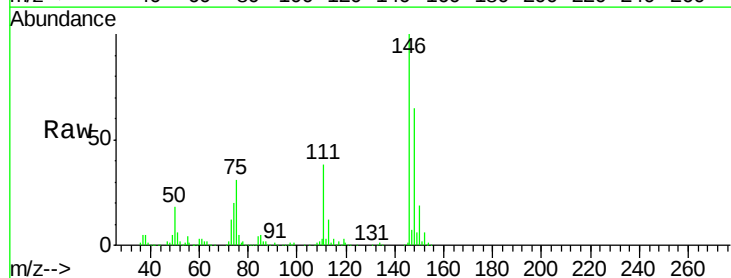
Instrument :
 MSVOA_D
 ClientSampled :

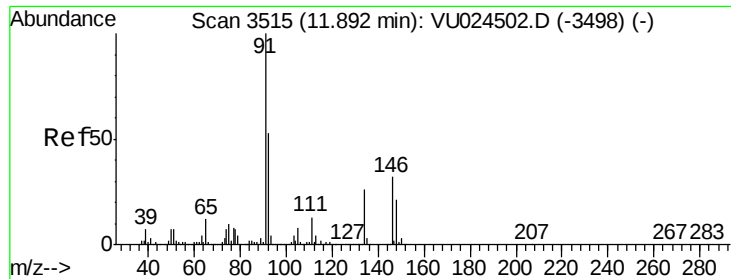
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	60.0
148	63.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 45.776 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 44.139 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

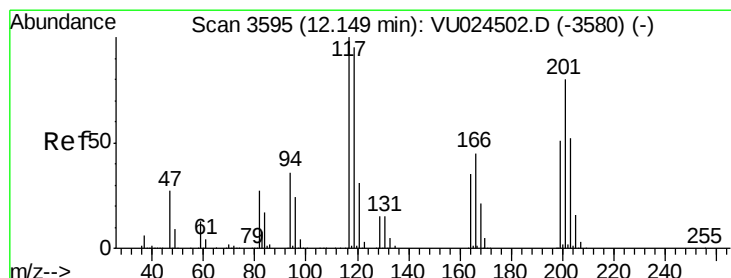
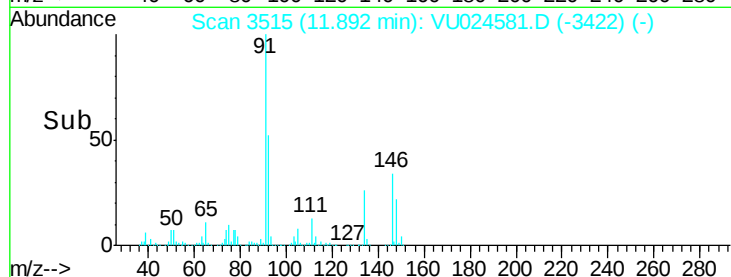
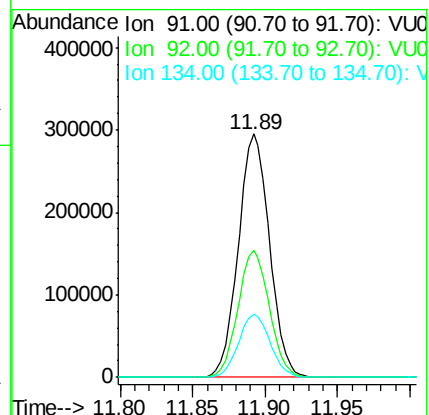
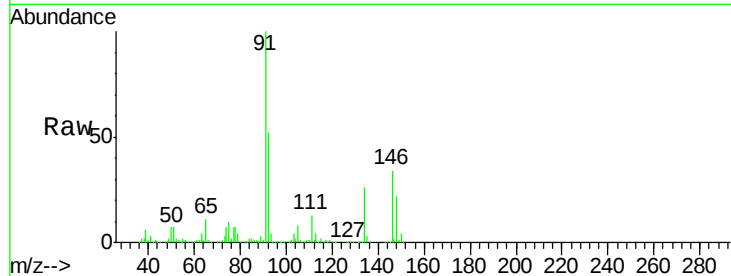
Tot Ion: 91 Resp: 439141

Ion Ratio Lower Upper

91 100

92 52.8 25.6 76.8

134 26.5 12.3 36.8



#90

Hexachloroethane

Concen: 41.741 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024581.D

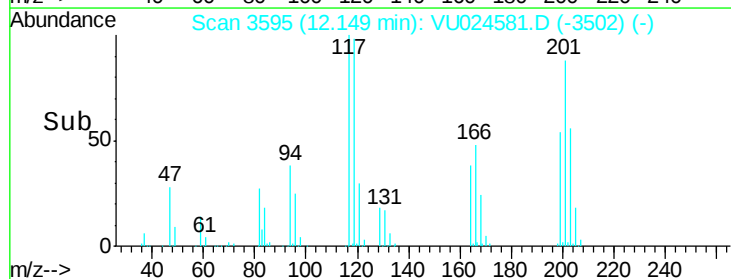
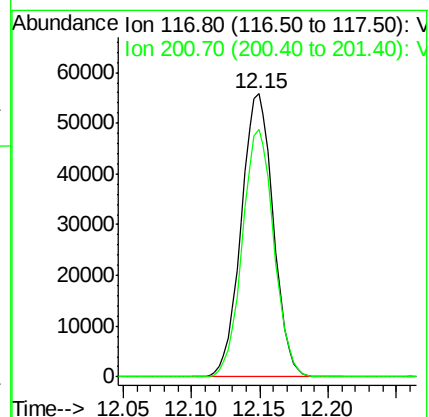
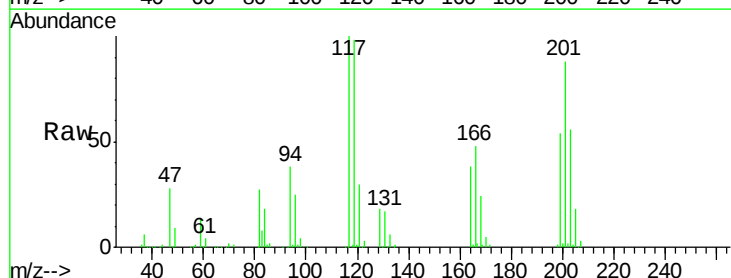
Acq: 15 Jun 2018 07:54

Tgt Ion: 117 Resp: 91248

Ion Ratio Lower Upper

117 100

201 85.7 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 45.319 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampled :

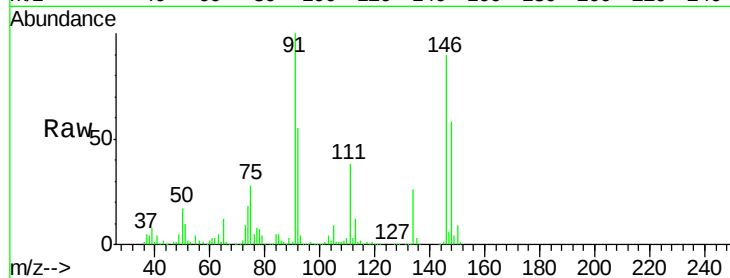
Tot Ion:146 Resp: 254548

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

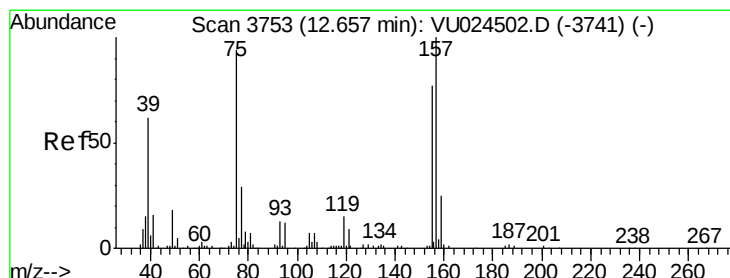
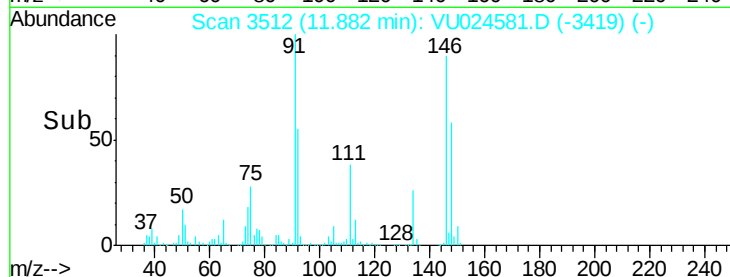
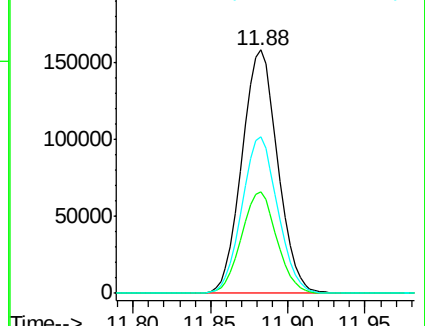
148 64.2 31.9 95.7



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: 42.821 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

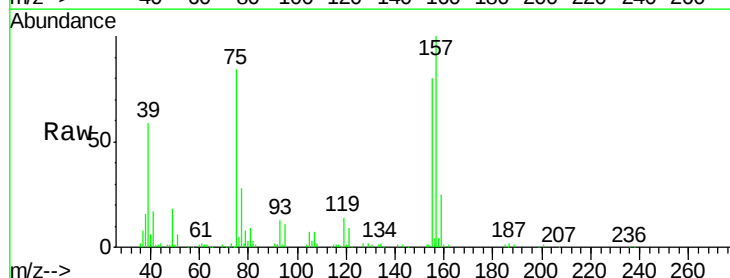
Tgt Ion: 75 Resp: 47471

Ion Ratio Lower Upper

75 100

155 91.6 40.4 121.2

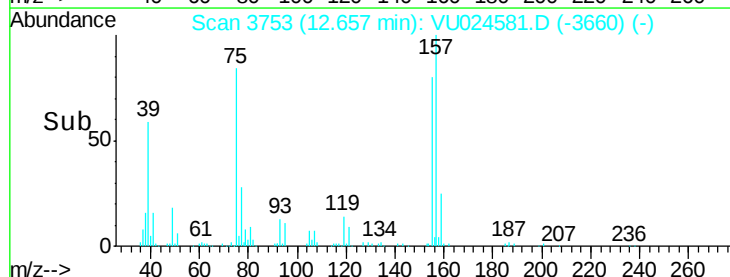
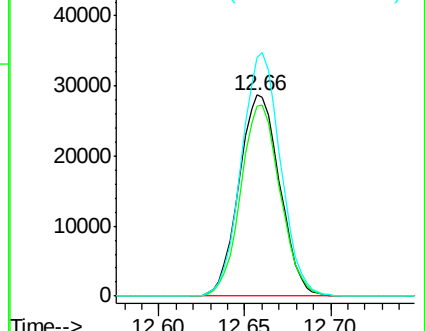
157 116.0 52.3 156.8



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

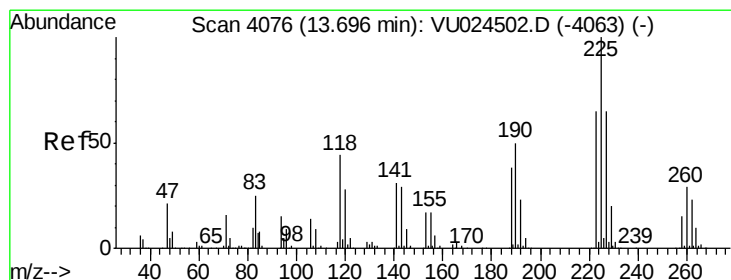
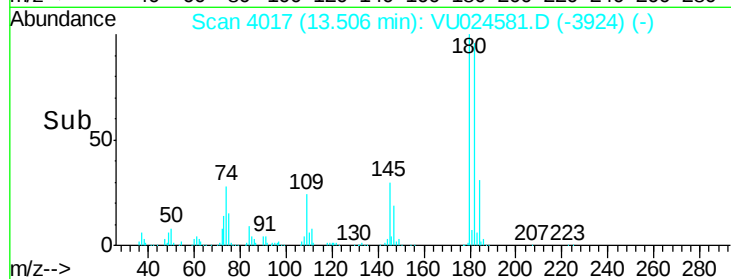
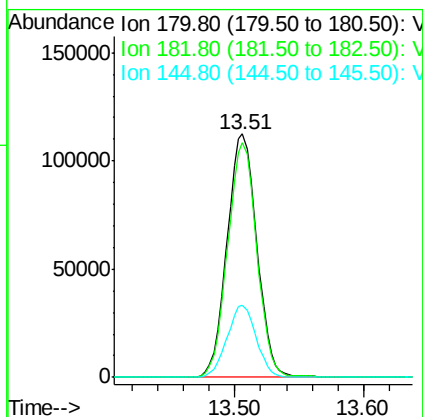
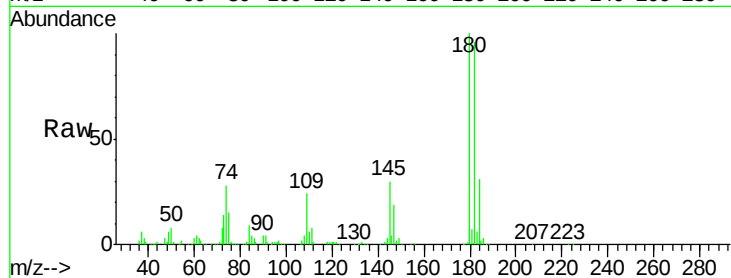




#93
 1,2,4-Trichlorobenzene
 Concen: 51.956 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

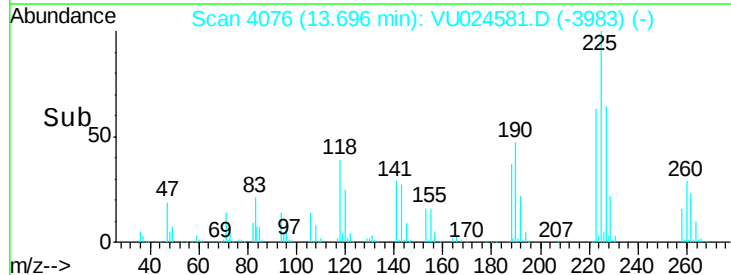
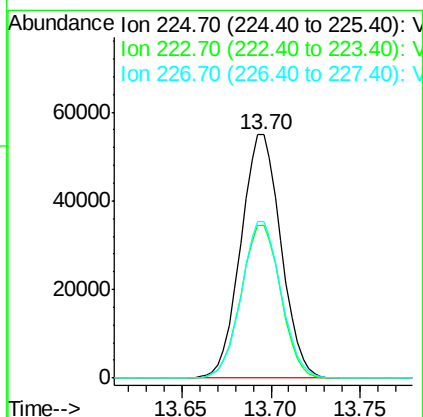
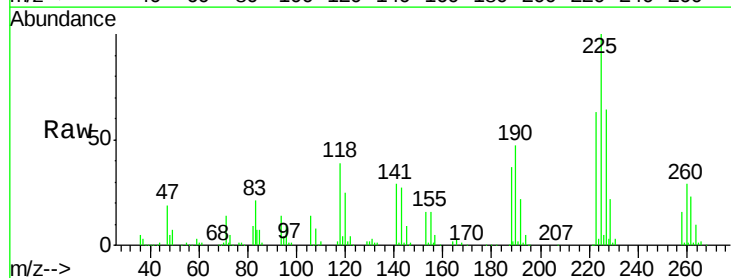
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	29.1	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 44.140 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024581.D
 Acq: 15 Jun 2018 07:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.8
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 48.286 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

Instrument :

MSVOA_D

ClientSampleId :

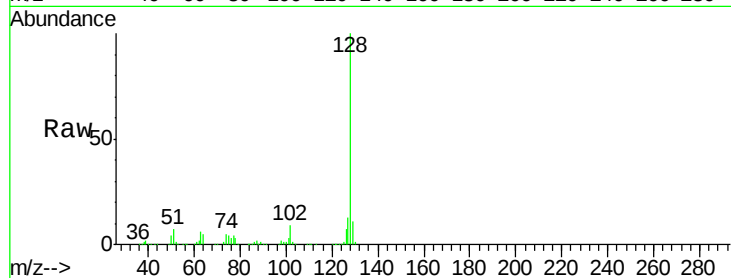
Tot Ion:128 Resp: 554175

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

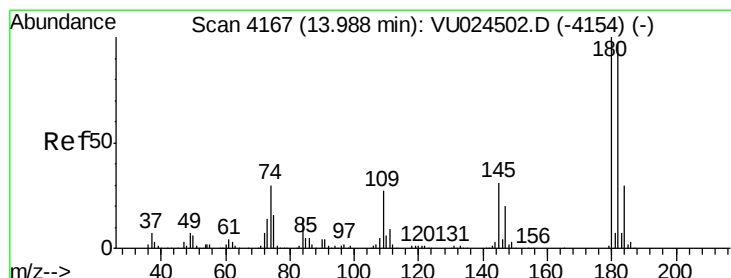
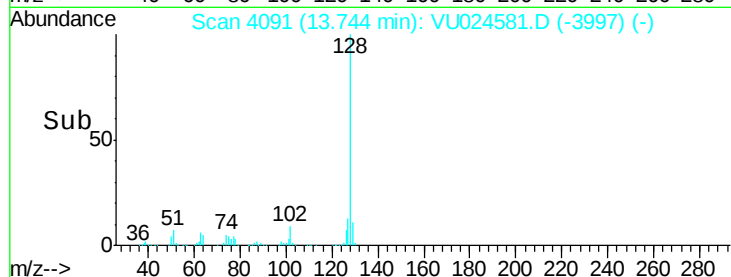
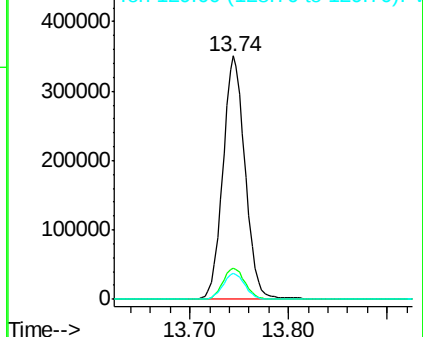
129 10.7 8.6 12.8



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: 52.791 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024581.D

Acq: 15 Jun 2018 07:54

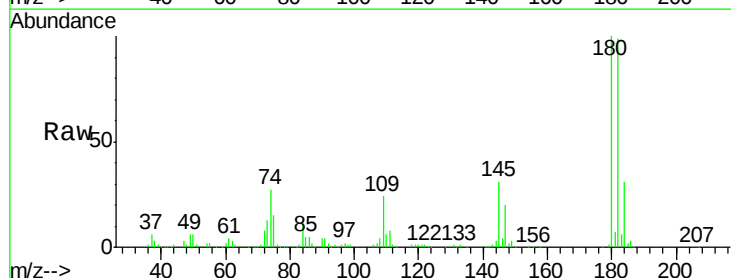
Tgt Ion:180 Resp: 182452

Ion Ratio Lower Upper

180 100

182 97.1 47.9 143.7

145 31.0 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

