

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025202.D
 Acq On : 03 Jul 2018 20:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 05 04:39:33 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	164290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125721	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
35) Dibromofluoromethane	4.89	113	105429	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	7.57	98	327967	42.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.60%	
62) 4-Bromofluorobenzene	10.31	95	143195	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86883	42.250	ug/l	99
3) Chloromethane	1.33	50	92074	43.826	ug/l	99
4) Vinyl Chloride	1.40	62	103465	47.754	ug/l	97
5) Bromomethane	1.61	94	62861	60.017	ug/l	98
6) Chloroethane	1.69	64	67018	55.470	ug/l	99
7) Trichlorofluoromethane	1.88	101	166664	50.405	ug/l	98
8) Diethyl Ether	2.10	74	64833	57.915	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	102590	50.012	ug/l	97
10) Methyl Iodide	2.41	142	117833	65.984	ug/l	98
11) Tert butyl alcohol	2.83	59	174224	267.091	ug/l	99
12) 1,1-Dichloroethene	2.28	96	94148	50.328	ug/l	96
13) Acrolein	2.19	56	40047	116.911	ug/l	99
14) Allyl chloride	2.59	41	161438	46.479	ug/l	99
15) Acrylonitrile	2.93	53	349090	275.062	ug/l	99
16) Acetone	2.32	43	333704	231.566	ug/l	99
17) Carbon Disulfide	2.48	76	256245	42.779	ug/l	100
18) Methyl Acetate	2.62	43	217668	70.457	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	384999	54.751	ug/l	97
20) Methylene Chloride	2.70	84	118752	52.519	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	104100	50.525	ug/l	98
22) Diisopropyl ether	3.57	45	367484	53.371	ug/l	96
23) Vinyl Acetate	3.53	43	1528598	247.831	ug/l	98
24) 1,1-Dichloroethane	3.45	63	210813	53.223	ug/l	98
25) 2-Butanone	4.26	43	508671	262.786	ug/l	96
26) 2,2-Dichloropropane	4.23	77	151994	40.412	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	126348	53.340	ug/l	96
28) Bromochloromethane	4.55	49	79507	45.571	ug/l	85
29) Tetrahydrofuran	4.64	42	323764	270.094	ug/l	97
30) Chloroform	4.68	83	219637	54.784	ug/l	99
31) Cyclohexane	5.00	56	180992	51.515	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	201426	54.331	ug/l	96
36) 1,1-Dichloropropene	5.14	75	153763	51.695	ug/l	97
37) Ethyl Acetate	4.38	43	186399	57.497	ug/l	98
38) Carbon Tetrachloride	5.14	117	178491	54.570	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	186266	50.182	ug/l	95
40) Benzene	5.39	78	455580	53.753	ug/l	99
41) Methacrylonitrile	4.55	41	102260	58.504	ug/l	98
42) 1,2-Dichloroethane	5.41	62	185176	57.366	ug/l	100
43) Isopropyl Acetate	5.55	43	292700	52.233	ug/l	99
44) Trichloroethene	6.19	130	124262	51.516	ug/l	94
45) 1,2-Dichloropropane	6.44	63	122108	53.995	ug/l	98
46) Dibromomethane	6.56	93	88029	55.418	ug/l	95
47) Bromodichloromethane	6.76	83	167762	53.037	ug/l	99
48) Methyl methacrylate	6.63	41	153113	56.112	ug/l	98
49) 1,4-Dioxane	6.61	88	69592	1304.121	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	973355	276.476	ug/l	98
52) Toluene	7.64	92	291341	53.430	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	178174	50.159	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	188483	49.797	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	122575	55.301	ug/l	98
56) Ethyl methacrylate	8.02	69	195649	52.738	ug/l	100
57) 1,3-Dichloropropane	8.25	76	207802	55.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	329145	231.586	ug/l	95
59) 2-Hexanone	8.36	43	777788	270.609	ug/l	99
60) Dibromochloromethane	8.48	129	140493	50.830	ug/l	99
61) 1,2-Dibromoethane	8.59	107	136574	55.360	ug/l	100
64) Tetrachloroethene	8.23	164	121108	53.906	ug/l	99
65) Chlorobenzene	9.12	112	334906	55.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	127326	55.505	ug/l	98
67) Ethyl Benzene	9.25	91	578928	54.693	ug/l	97
68) m/p-Xylenes	9.38	106	452964	111.439	ug/l	97
69) o-Xylene	9.78	106	225134	55.966	ug/l	96
70) Styrene	9.80	104	361236	54.645	ug/l	99
71) Bromoform	9.96	173	111015	50.915	ug/l #	99
73) Isopropylbenzene	10.17	105	607667	55.192	ug/l	99
74) N-amyl acetate	10.01	43	263212	50.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	209347	56.741	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	241139	76.376	ug/l	81
77) Bromobenzene	10.45	156	156478	56.139	ug/l	94
78) n-propylbenzene	10.59	91	678271	52.296	ug/l	97
79) 2-Chlorotoluene	10.66	91	412830	53.976	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	519012	54.387	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	241139	176.766	ug/l #	100
82) 4-Chlorotoluene	10.78	91	478601	53.763	ug/l	100
83) tert-Butylbenzene	11.10	119	516624	56.280	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	529730	54.470	ug/l	100
85) sec-Butylbenzene	11.33	105	623258	54.242	ug/l	98
86) p-Isopropyltoluene	11.48	119	544558	52.916	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	283242	55.002	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	282855	54.572	ug/l	99
89) n-Butylbenzene	11.89	91	439869	48.144	ug/l	97
90) Hexachloroethane	12.15	117	96211	47.925	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	292080	56.627	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53028	52.088	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	183989	57.764	ug/l	99
94) Hexachlorobutadiene	13.70	225	94604	52.769	ug/l	99
95) Naphthalene	13.74	128	623913	59.044	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192979	60.803	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: VU025202.D

Acq: 03 Jul 2018 20:28

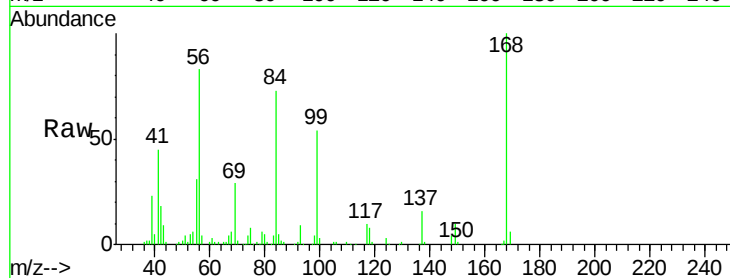
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 164290

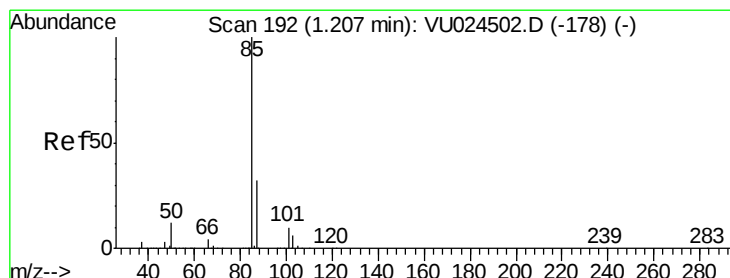
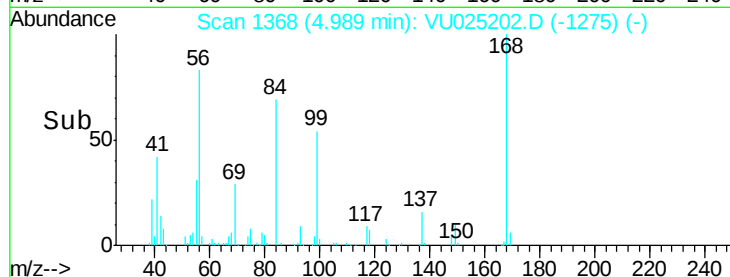
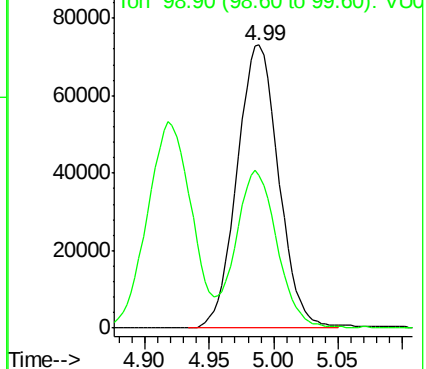
Ion Ratio Lower Upper

168 100

99 53.5 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 42.250 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025202.D

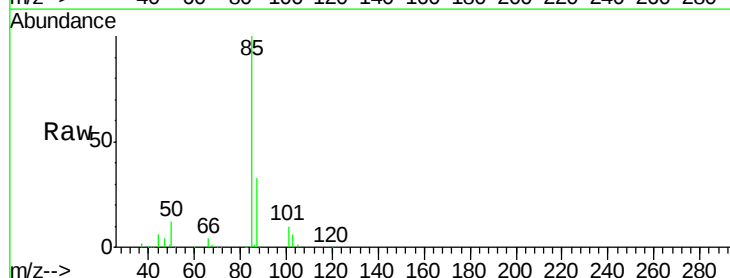
Acq: 03 Jul 2018 20:28

Tgt Ion: 85 Resp: 86883

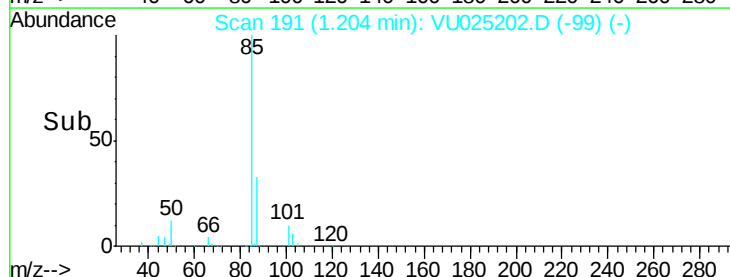
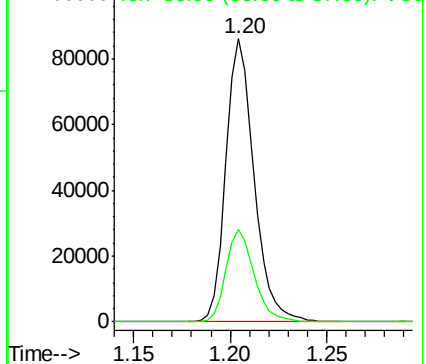
Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



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





#3

Chloromethane

Concen: 43.826 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

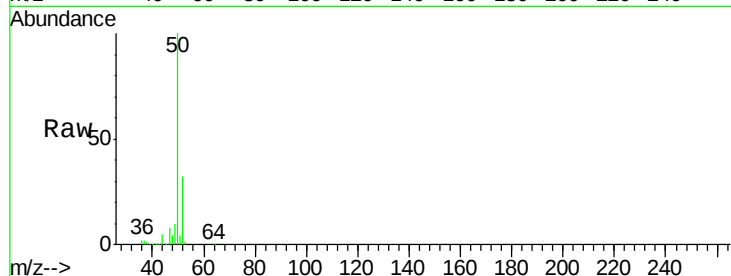
ClientSampleId :

Tot Ion: 50 Resp: 92074

Ion Ratio Lower Upper

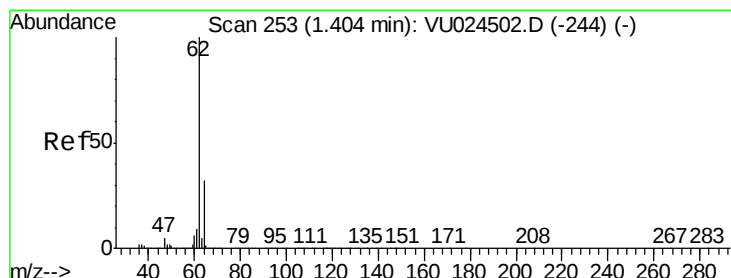
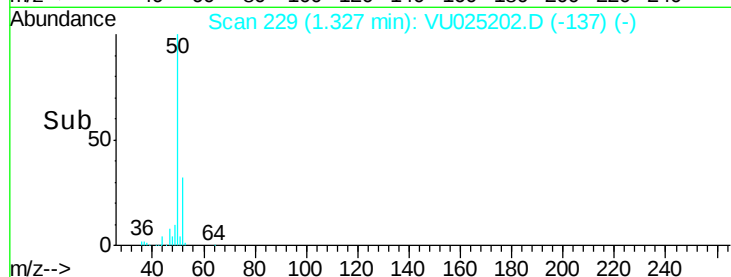
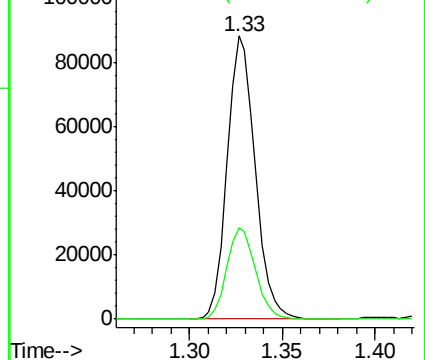
50 100

52 32.4 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: 47.754 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025202.D

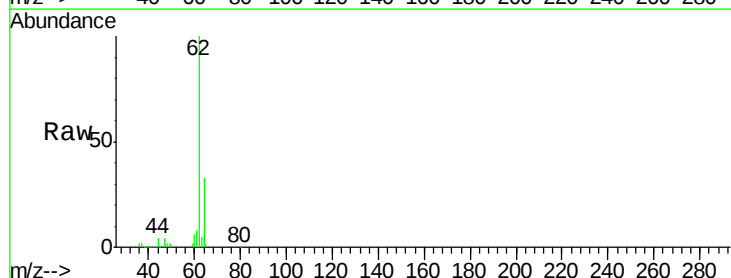
Acq: 03 Jul 2018 20:28

Tgt Ion: 62 Resp: 103465

Ion Ratio Lower Upper

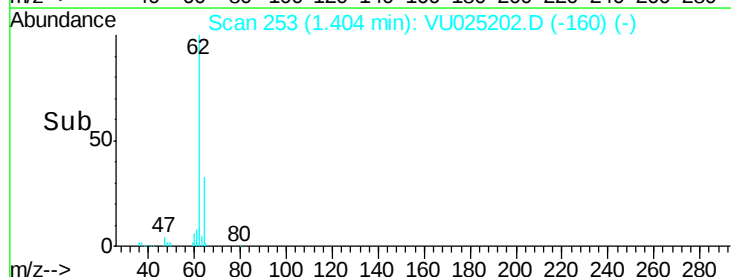
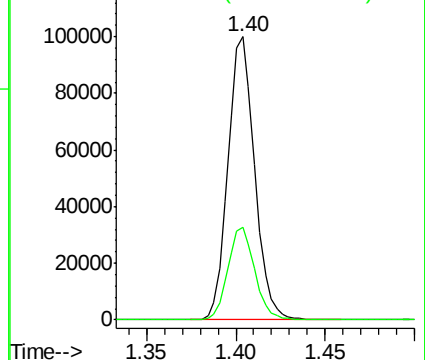
62 100

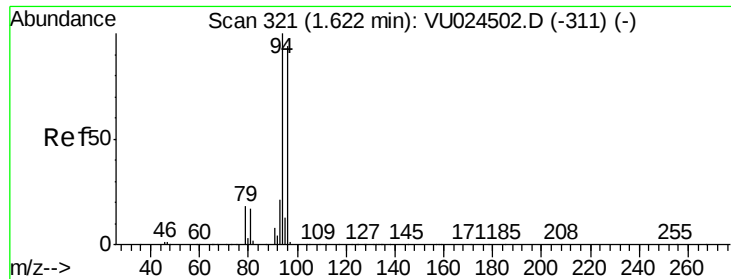
64 32.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 60.017 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

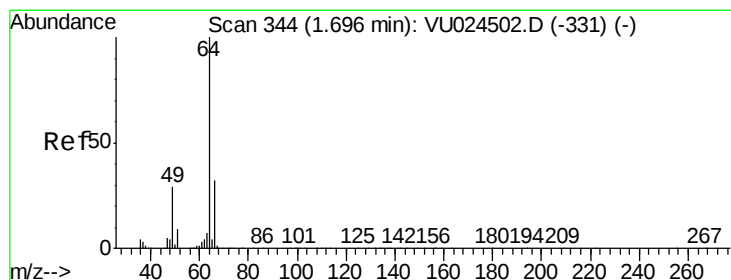
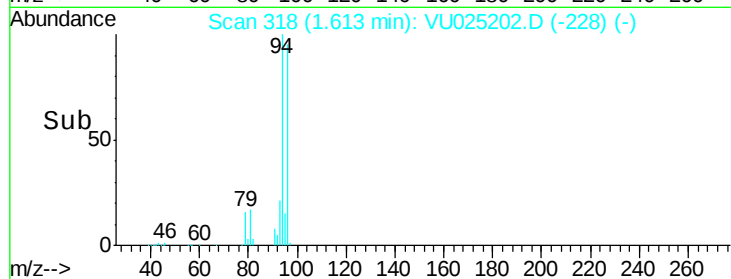
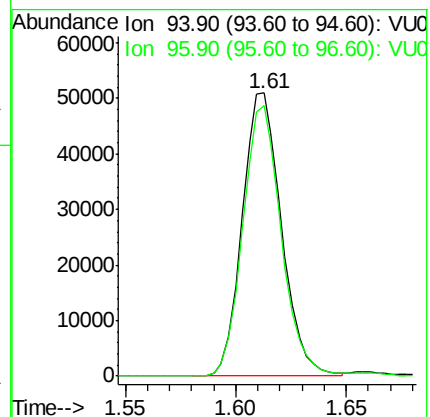
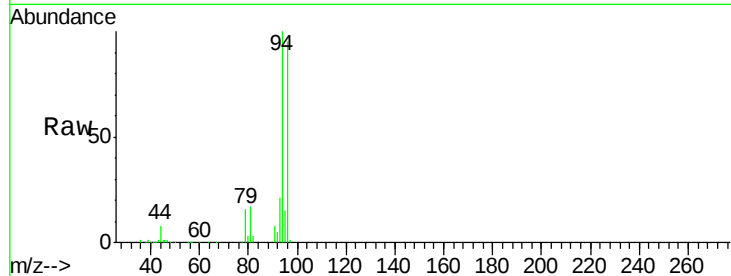
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 62861

Ion Ratio Lower Upper

94 100

96 95.4 74.5 111.7



#6

Chloroethane

Concen: 55.470 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025202.D

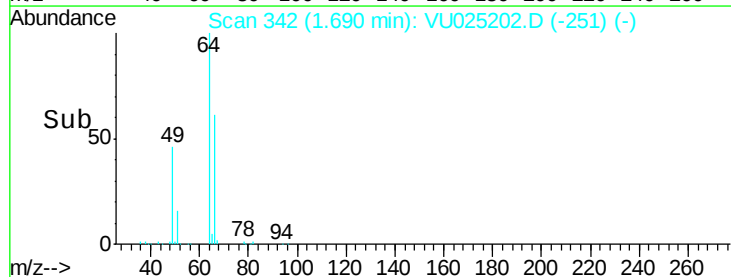
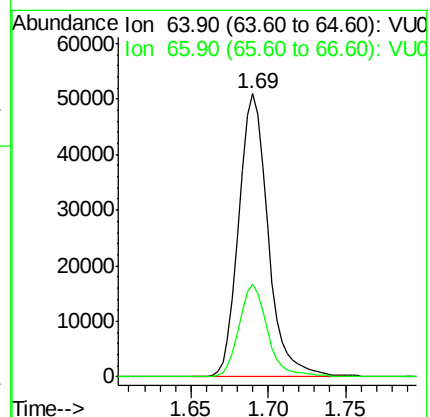
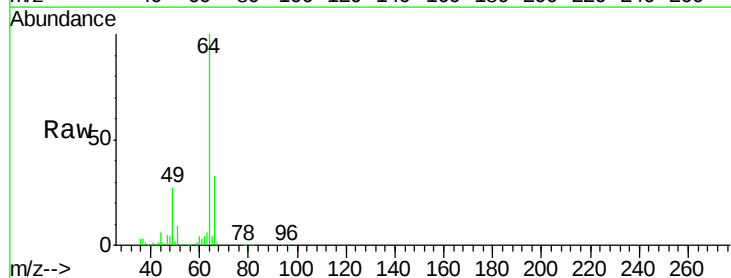
Acq: 03 Jul 2018 20:28

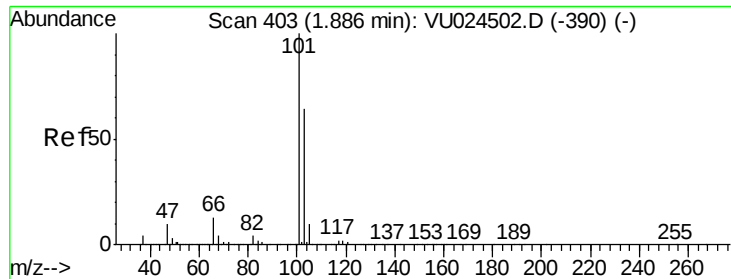
Tgt Ion: 64 Resp: 67018

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



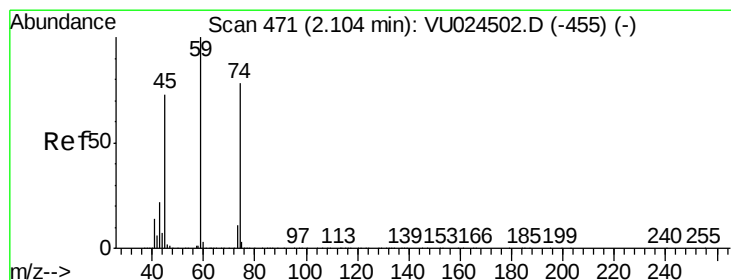
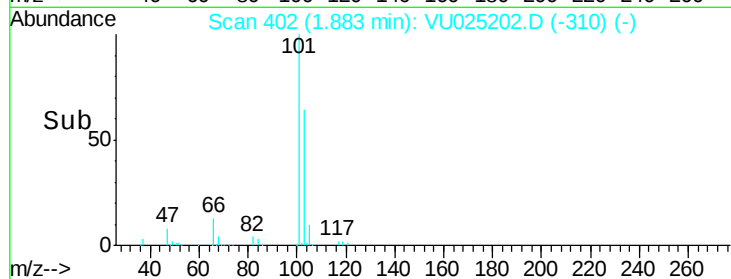
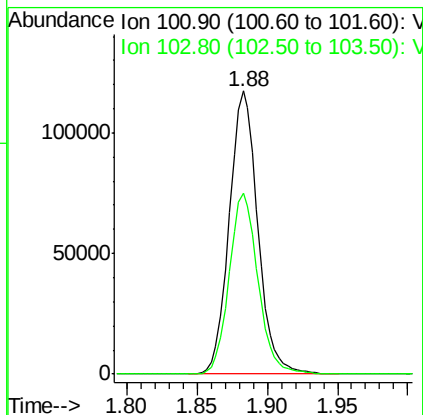
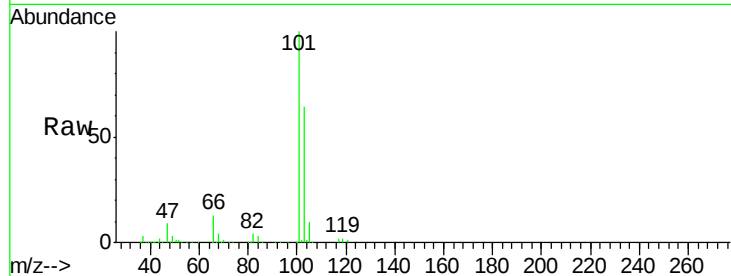


#7

Trichlorofluoromethane
 Concen: 50.405 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025202.D
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Instrument :
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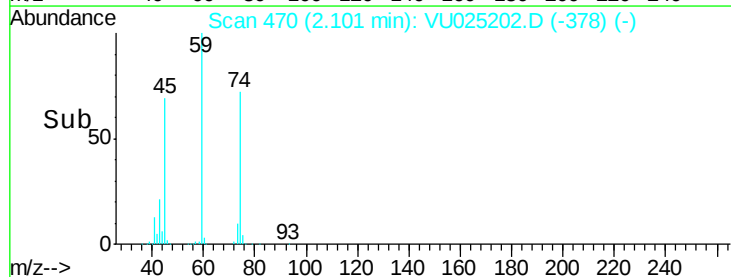
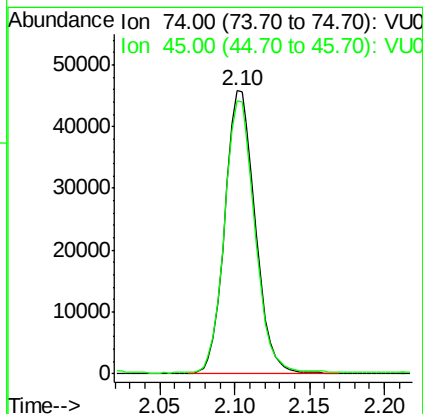
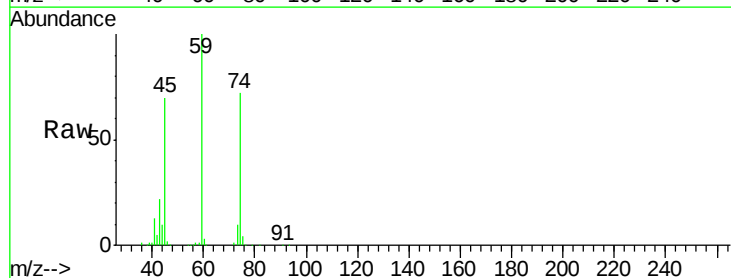
Tot Ion:101 Resp: 166664
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.3 78.5

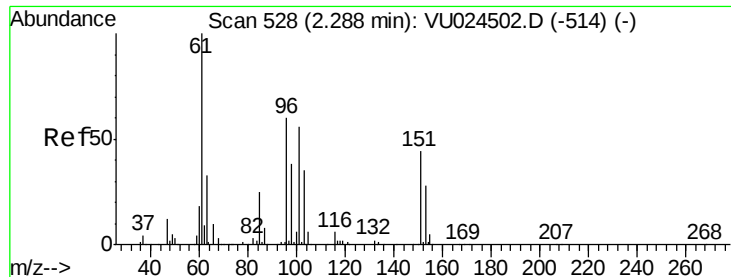


#8

Diethyl Ether
 Concen: 57.915 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 74 Resp: 64833
 Ion Ratio Lower Upper
 74 100
 45 95.9 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.012 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025202.D

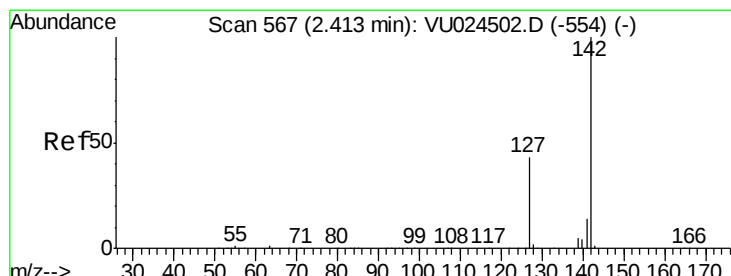
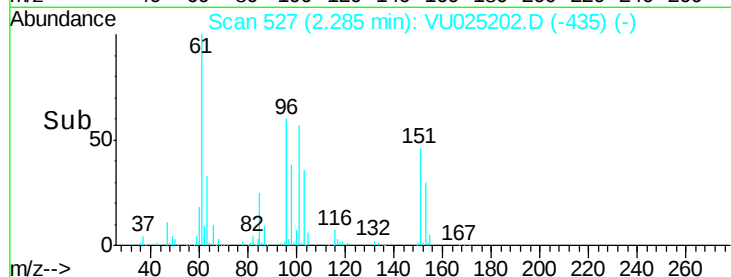
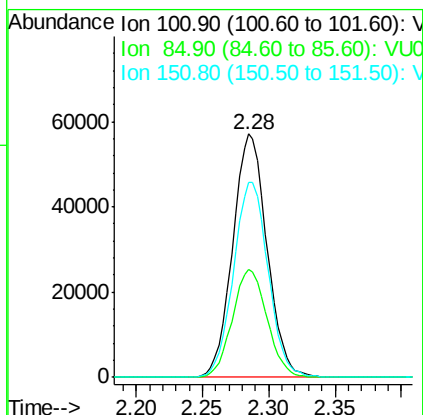
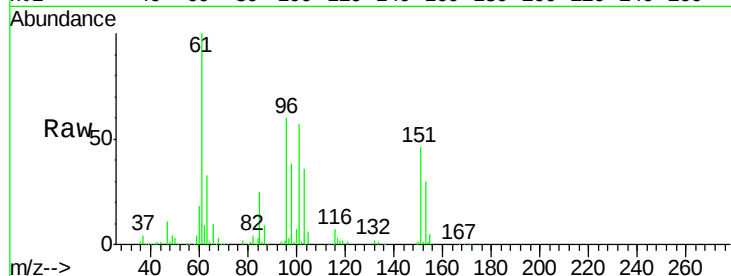
Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	101	Resp:	102590
Ion	Ratio	Lower	Upper
101	100		
85	44.9	36.0	54.0
151	81.3	62.3	93.5



#10

Methyl Iodide

Concen: 65.984 ug/l

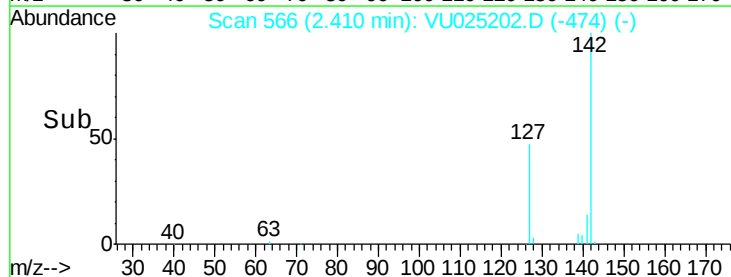
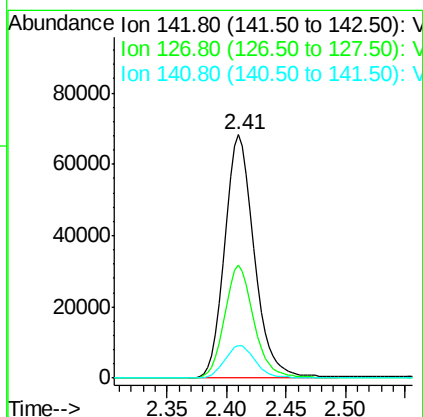
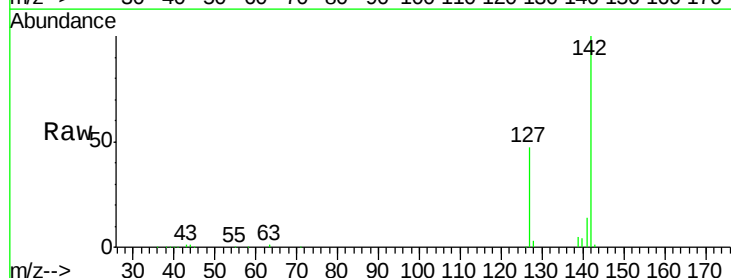
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Tgt Ion:	142	Resp:	117833
Ion	Ratio	Lower	Upper
142	100		
127	46.0	35.6	53.4
141	13.9	11.7	17.5



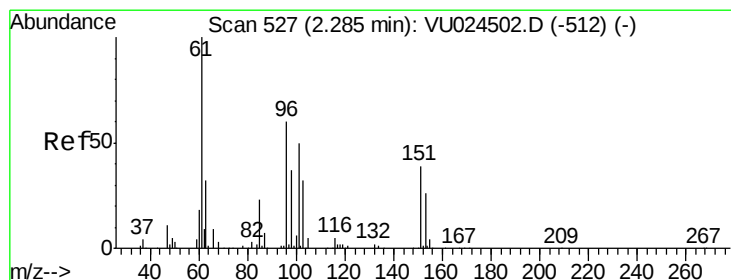
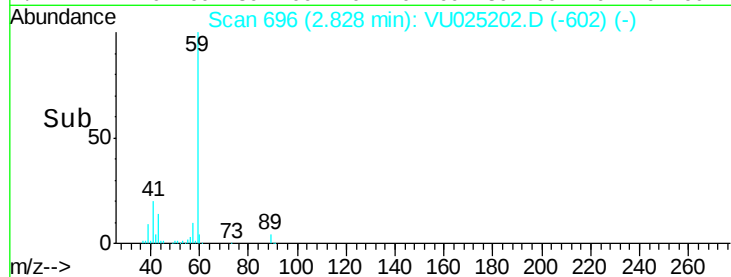
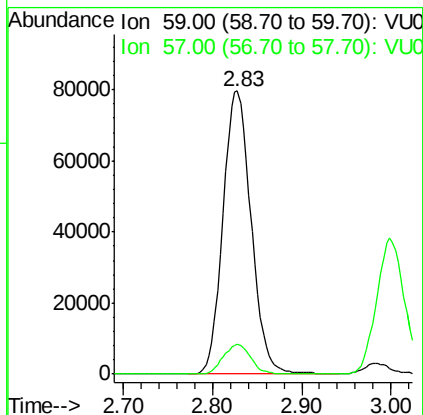
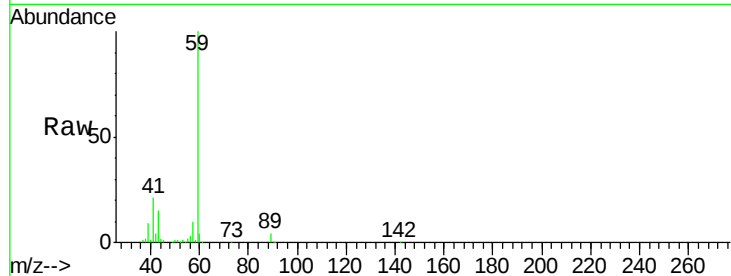


#11

Tert butyl alcohol
Concen: 267.091 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

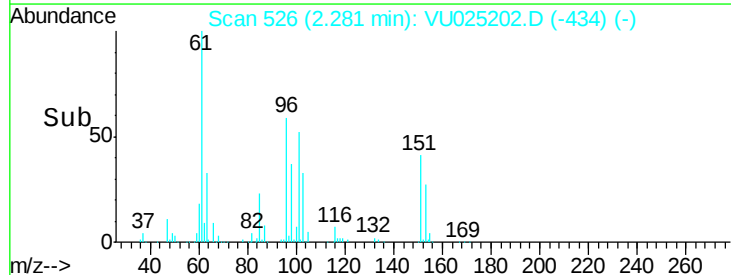
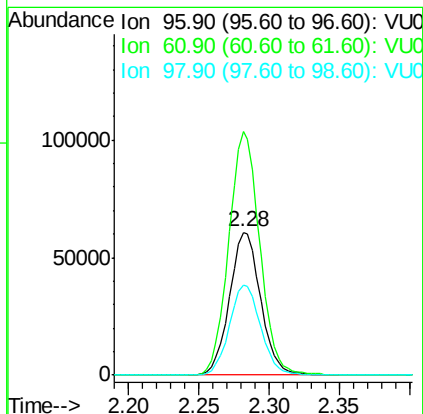
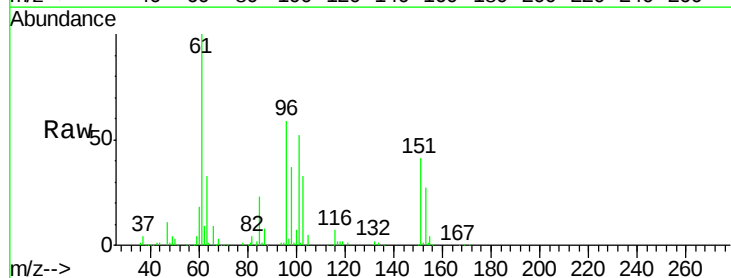
Tot Ion: 59 Resp: 174224
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

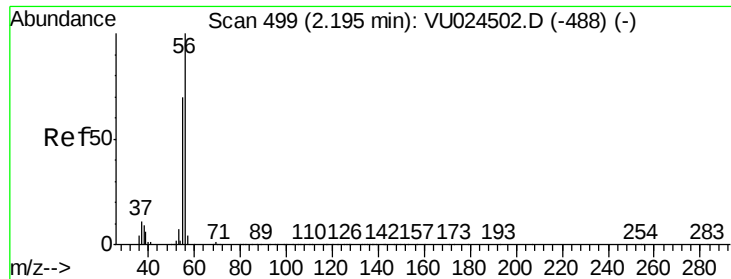


#12

1,1-Dichloroethene
Concen: 50.328 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 96 Resp: 94148
Ion Ratio Lower Upper
96 100
61 170.2 141.7 212.5
98 63.4 51.6 77.4

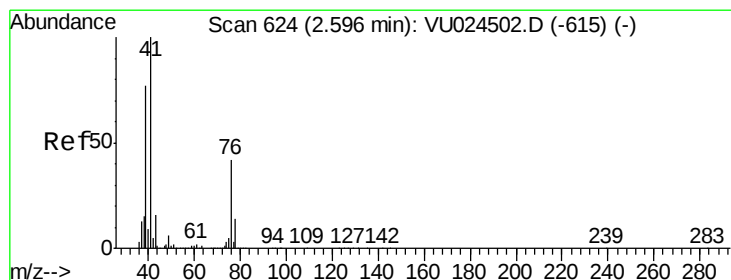
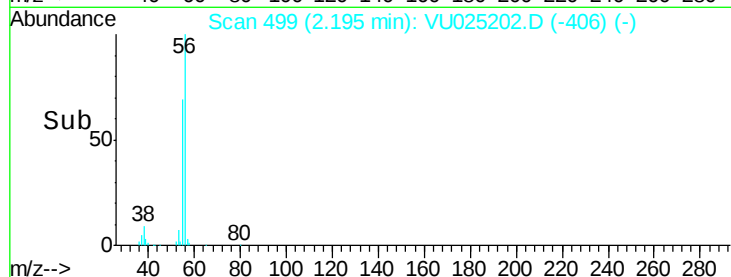
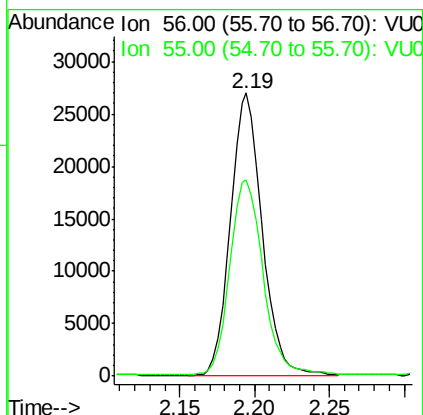
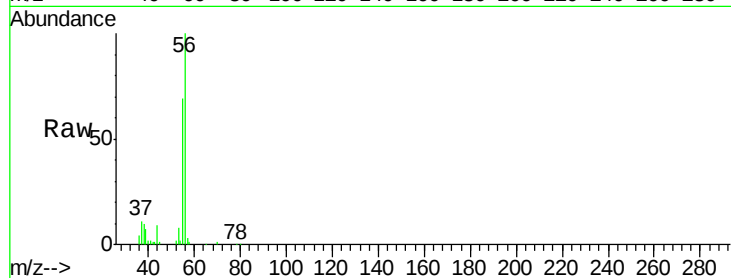




#13
 Acrolein
 Concen: 116.911 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

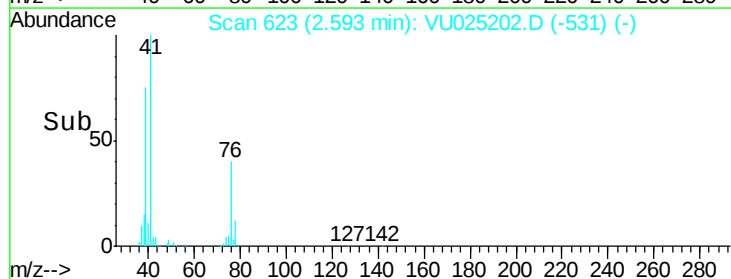
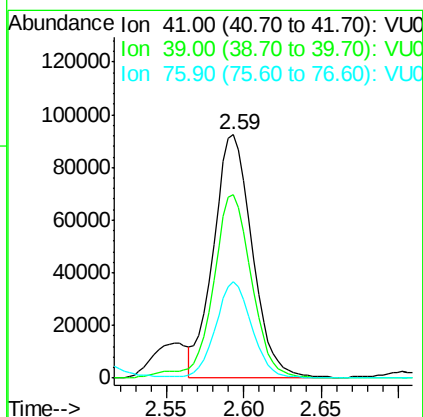
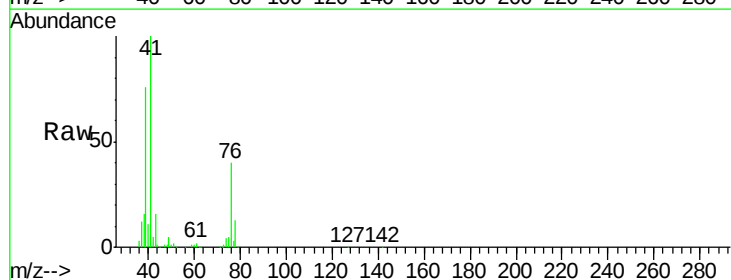
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 56 Resp: 40047
 Ion Ratio Lower Upper
 56 100
 55 72.2 58.4 87.6



#14
 Allyl chloride
 Concen: 46.479 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 41 Resp: 161438
 Ion Ratio Lower Upper
 41 100
 39 75.4 61.6 92.4
 76 37.0 29.7 44.5





#15

Acrylonitrile

Concen: 275.062 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

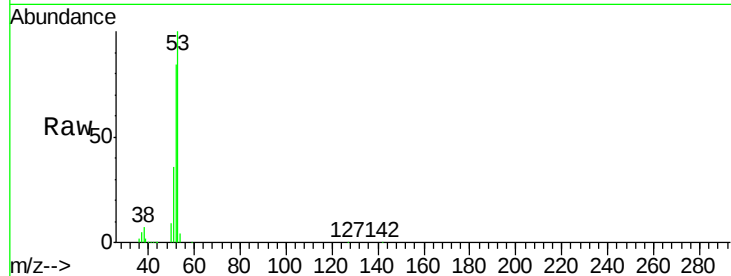
Tot Ion: 53 Resp: 349090

Ion Ratio Lower Upper

53 100

52 82.7 67.1 100.7

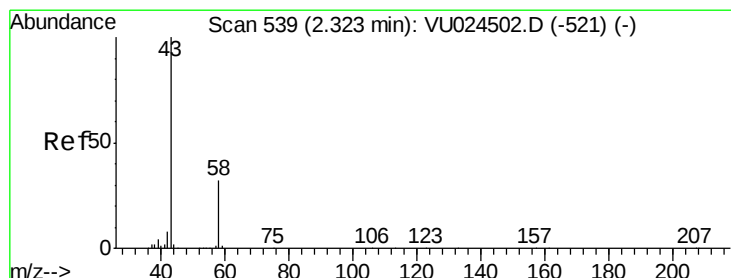
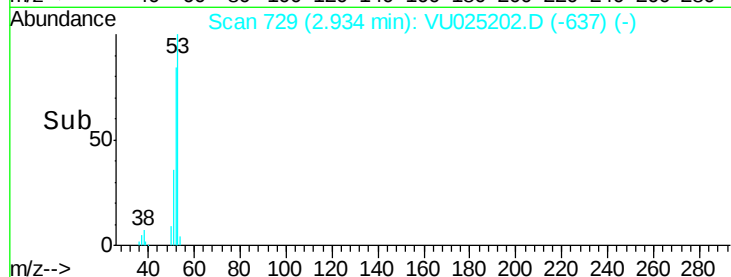
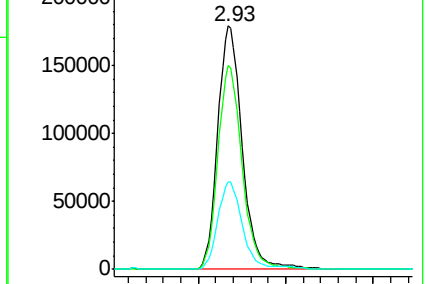
51 35.5 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VU024502.D (-714) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-714) (-)

Ion 51.00 (50.70 to 51.70): VU024502.D (-714) (-)



#16

Acetone

Concen: 231.566 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025202.D

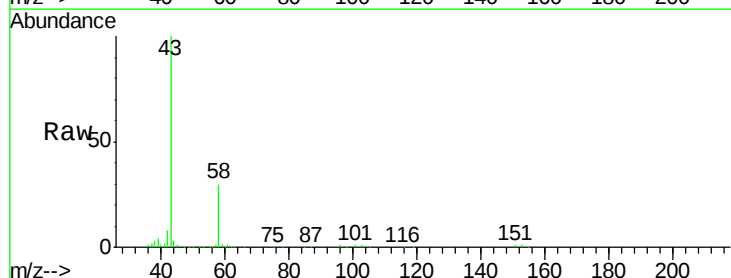
Acq: 03 Jul 2018 20:28

Tgt Ion: 43 Resp: 333704

Ion Ratio Lower Upper

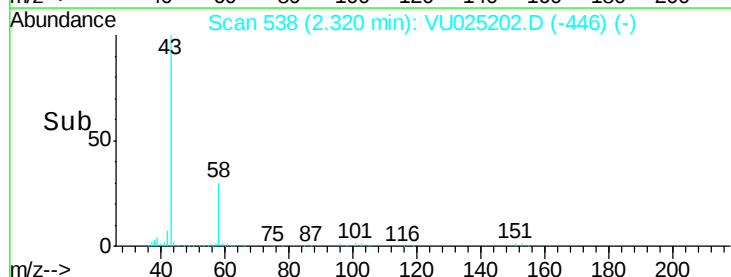
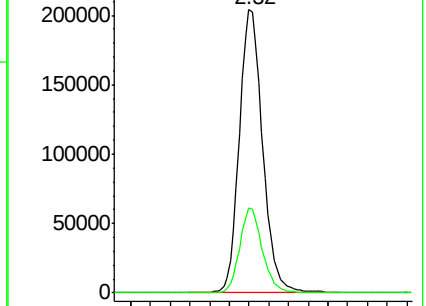
43 100

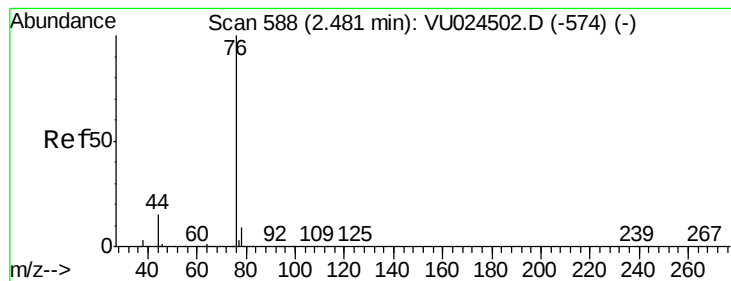
58 30.0 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)





#17

Carbon Disulfide

Concen: 42.779 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

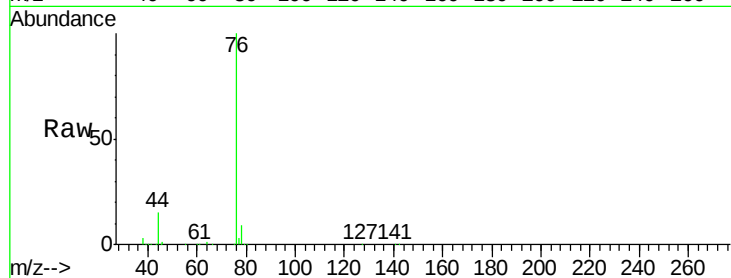
ClientSampleId :

Tot Ion: 76 Resp: 256245

Ion Ratio Lower Upper

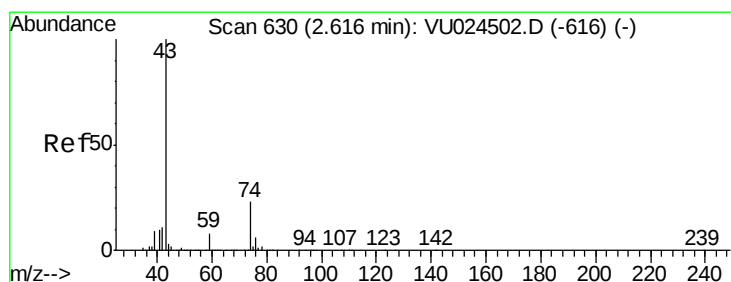
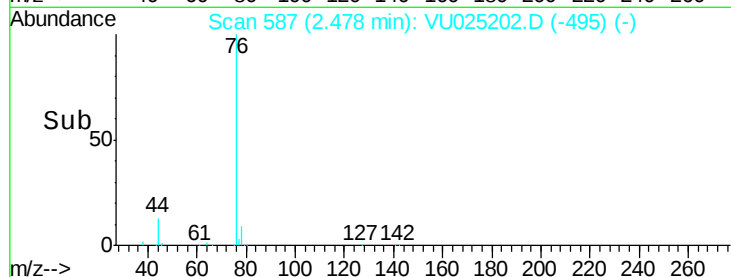
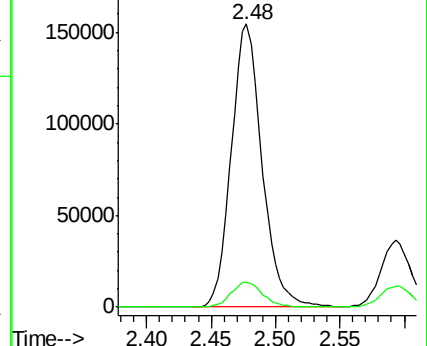
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 70.457 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025202.D

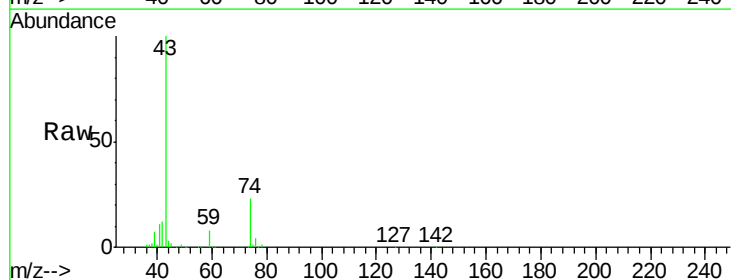
Acq: 03 Jul 2018 20:28

Tgt Ion: 43 Resp: 217668

Ion Ratio Lower Upper

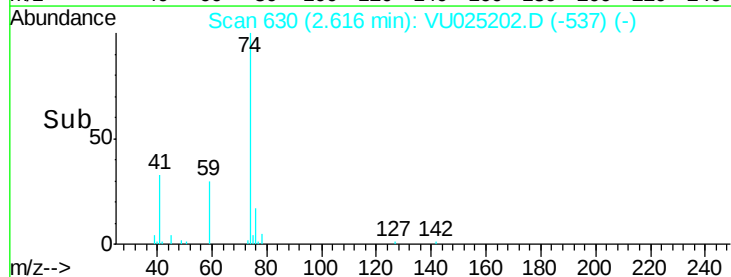
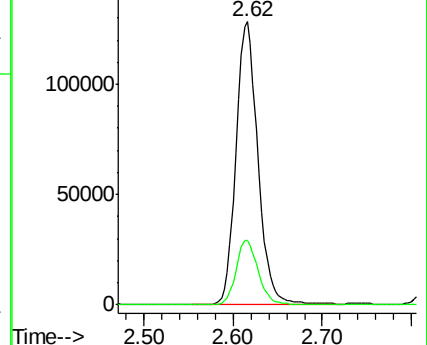
43 100

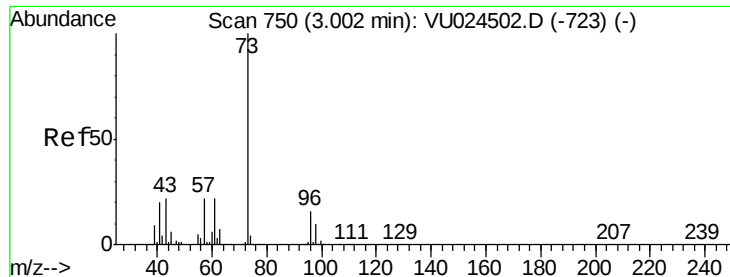
74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

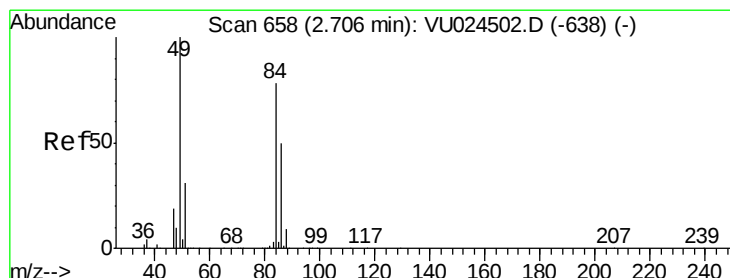
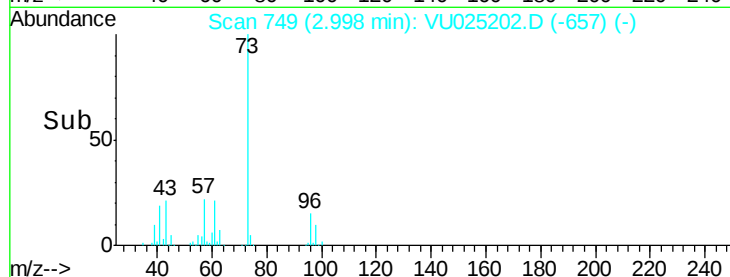
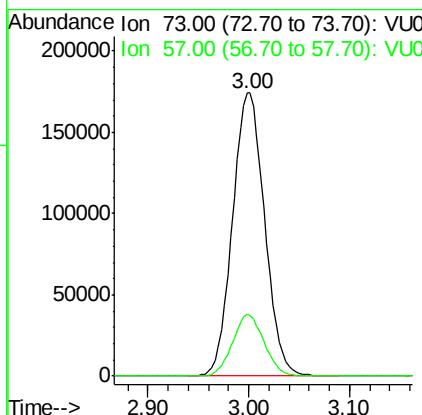
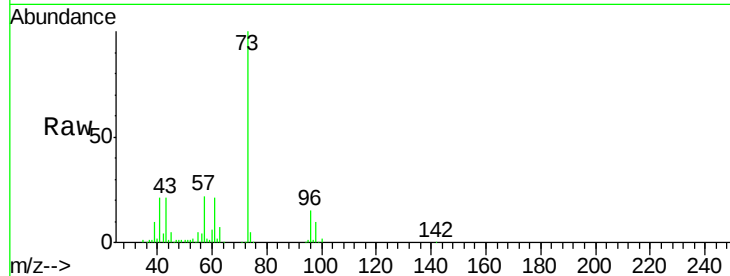




#19
Methvl tert-butvl Ether
Concen: 54.751 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

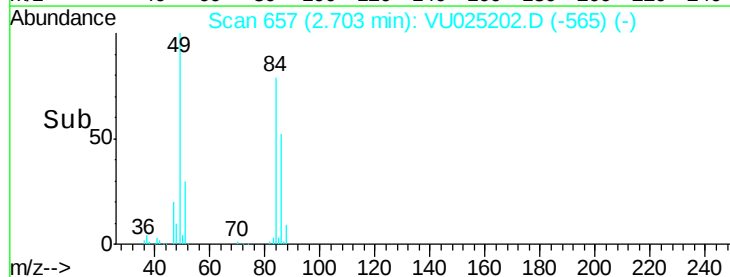
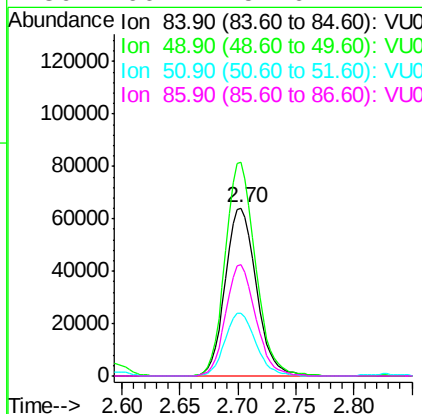
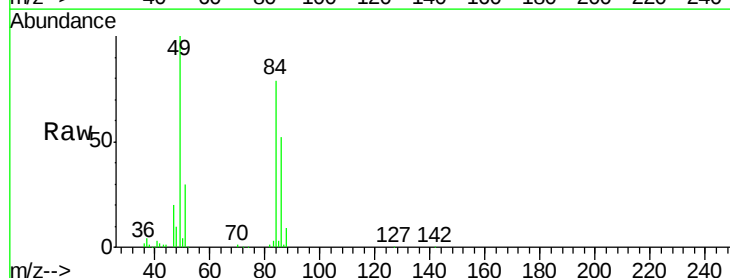
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 384999
Ion Ratio Lower Upper
73 100
57 21.9 18.8 28.2



#20
Methylene Chloride
Concen: 52.519 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 84 Resp: 118752
Ion Ratio Lower Upper
84 100
49 127.0 103.8 155.8
51 37.5 32.0 48.0
86 66.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.525 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

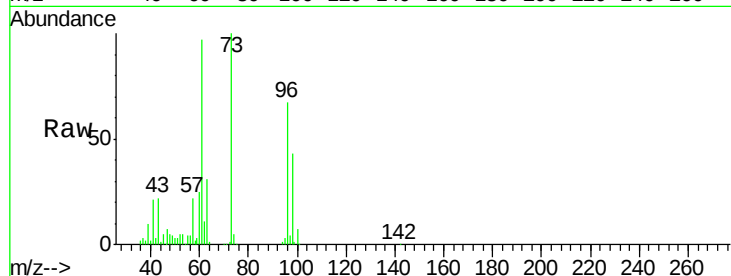
Tot Ion: 96 Resp: 104100

Ion Ratio Lower Upper

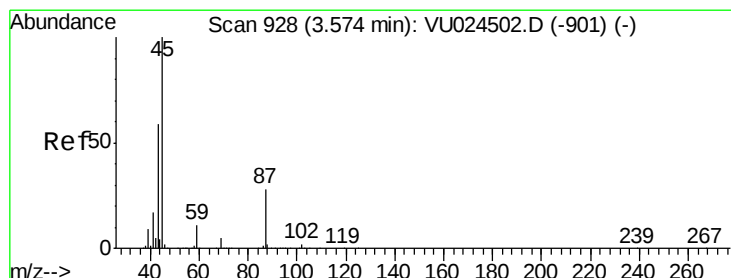
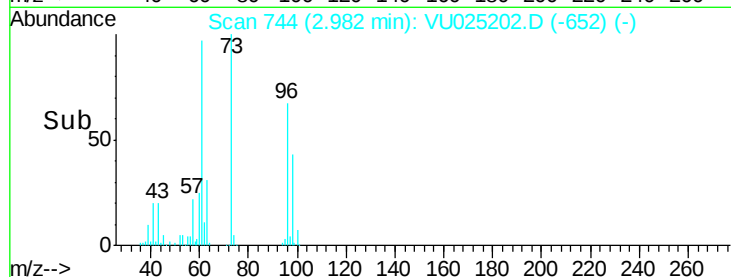
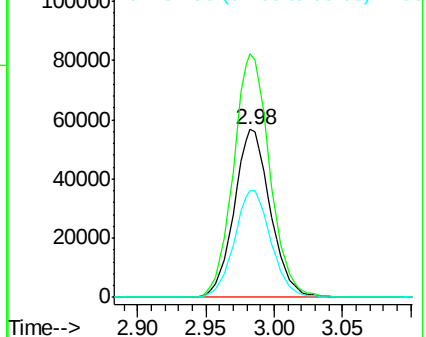
96 100

61 145.3 119.4 179.0

98 64.0 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: 53.371 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Tgt Ion: 45 Resp: 367484

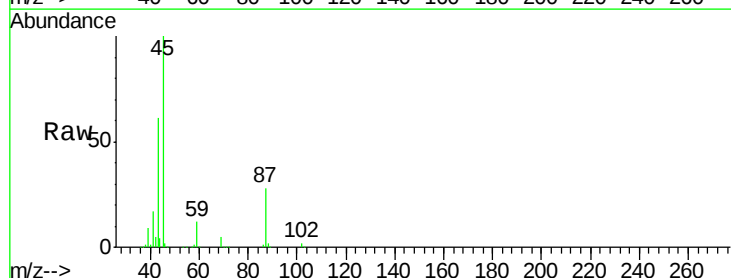
Ion Ratio Lower Upper

45 100

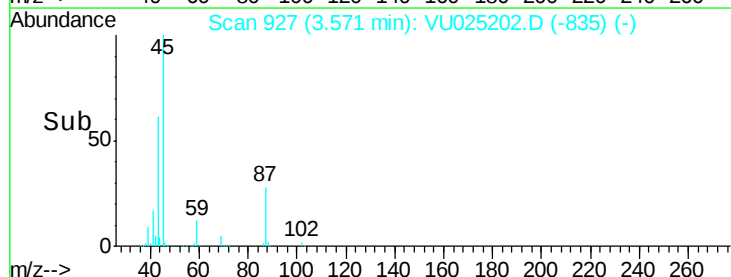
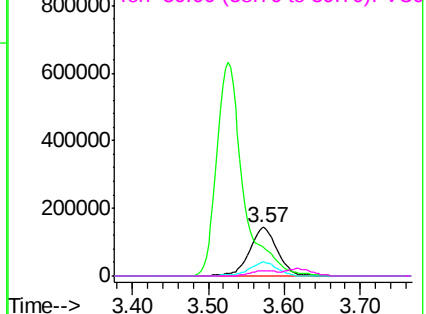
43 61.0 45.8 68.6

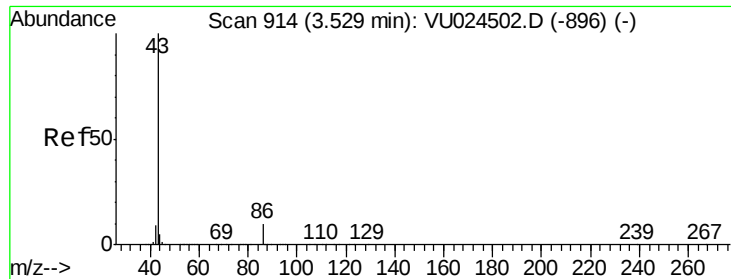
87 28.1 20.6 31.0

59 11.5 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: 247.831 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

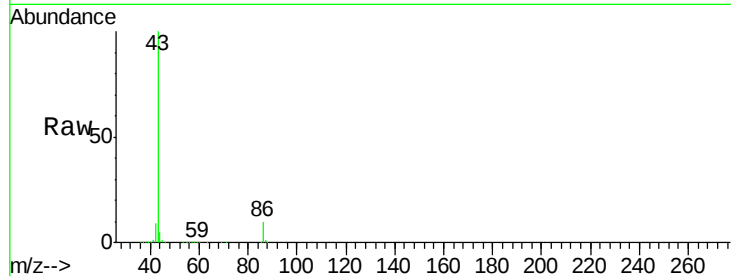
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1528598

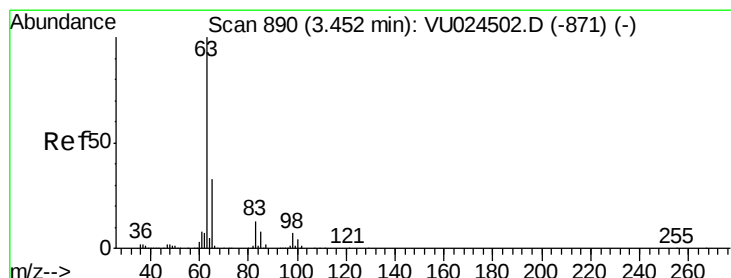
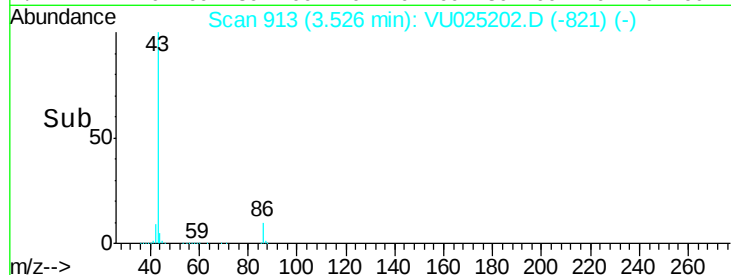
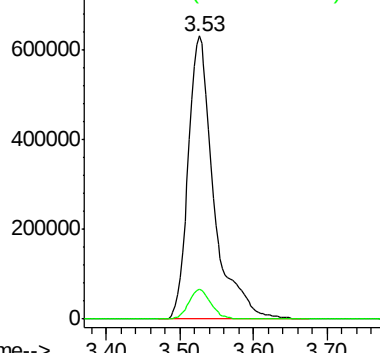
Ion Ratio Lower Upper

43 100

86 10.5 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: 53.223 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

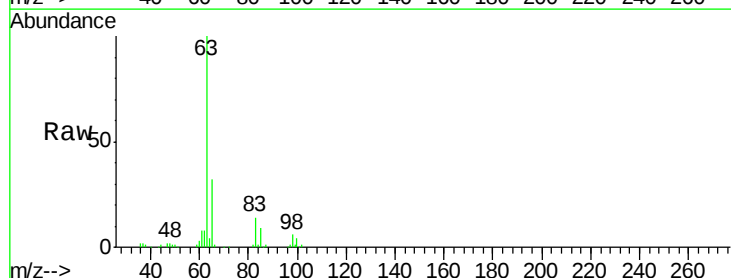
Tgt Ion: 63 Resp: 210813

Ion Ratio Lower Upper

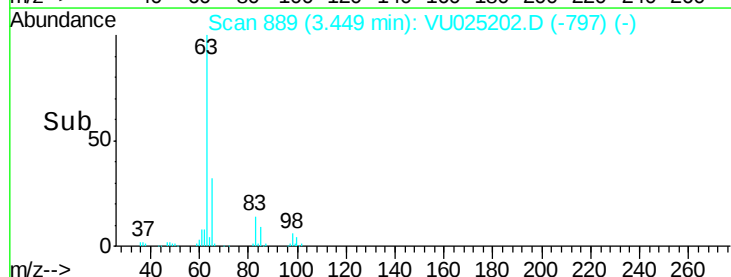
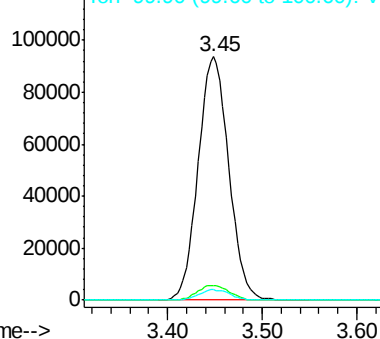
63 100

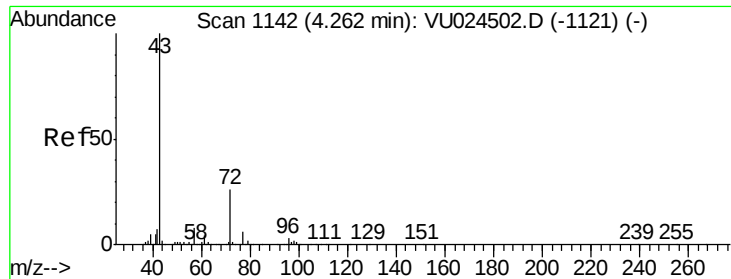
98 6.1 3.5 10.4

100 4.2 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: 262.786 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

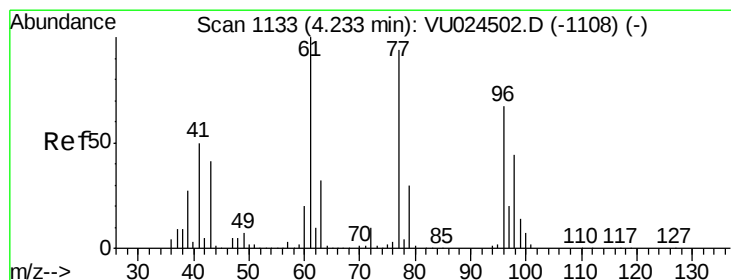
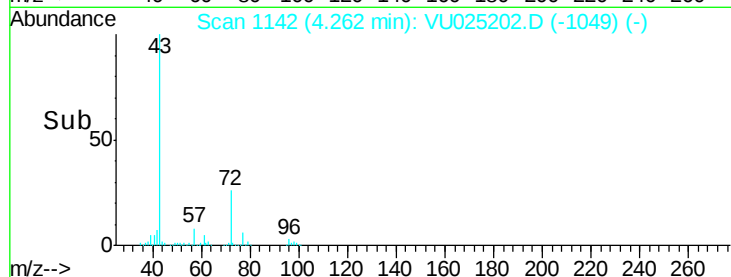
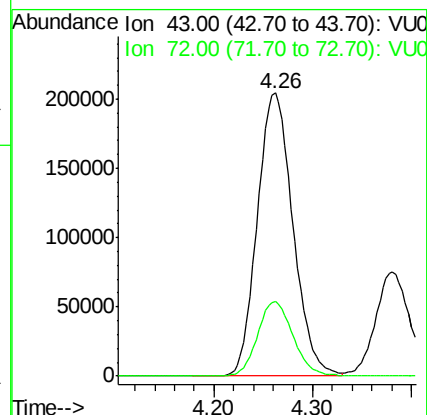
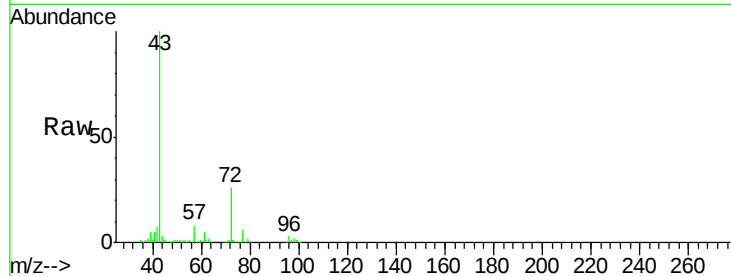
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 508671

Ion Ratio Lower Upper

43 100

72 26.3 19.6 29.4



#26

2,2-Dichloropropane

Concen: 40.412 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025202.D

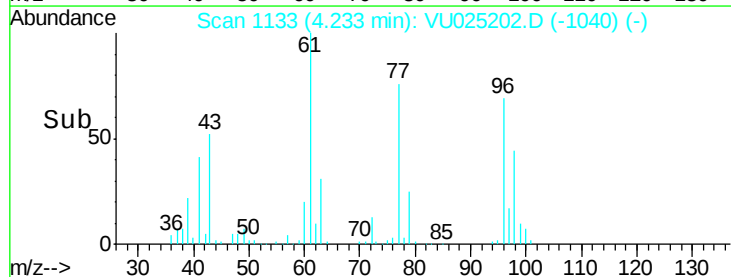
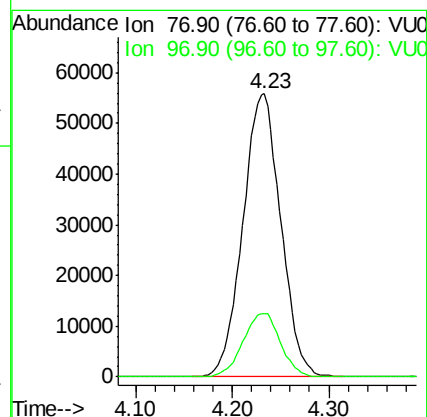
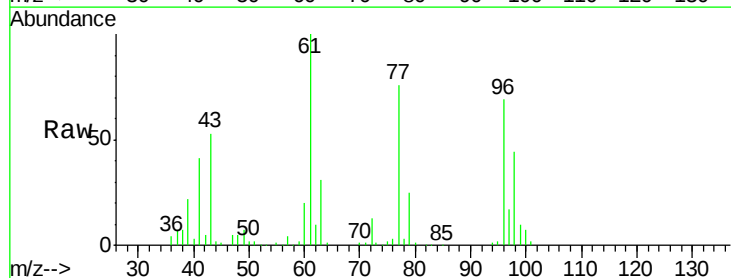
Acq: 03 Jul 2018 20:28

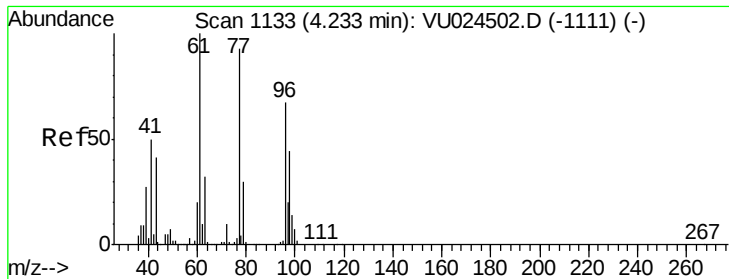
Tgt Ion: 77 Resp: 151994

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 53.340 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

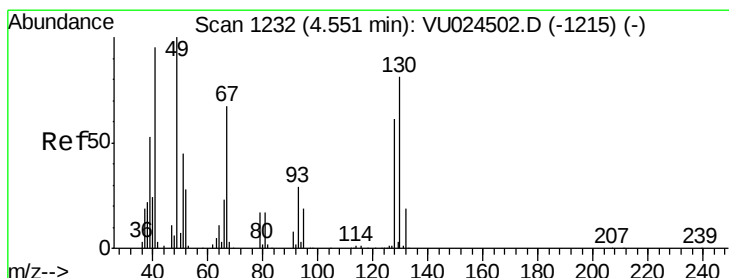
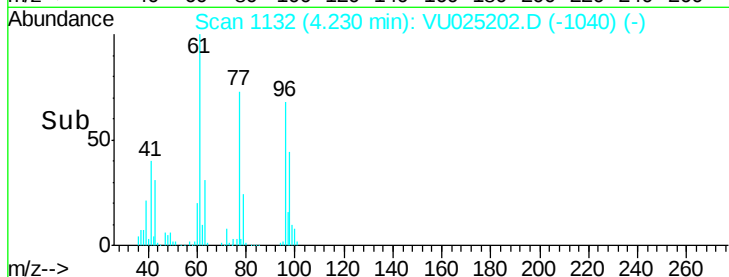
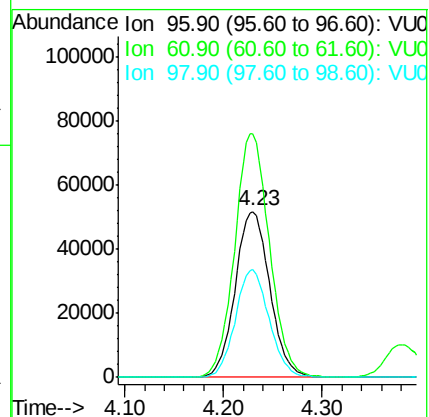
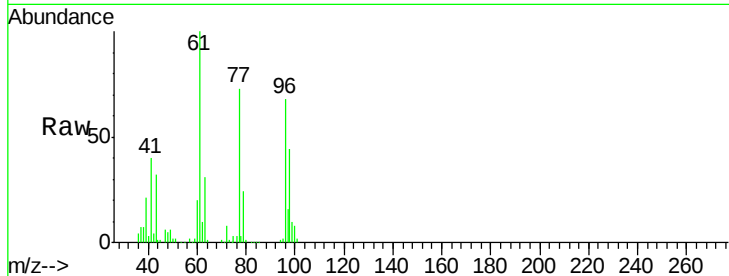
Tot Ion: 96 Resp: 126348

Ion Ratio Lower Upper

96 100

61 147.5 0.0 306.6

98 63.4 0.0 128.8



#28

Bromochloromethane

Concen: 45.571 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

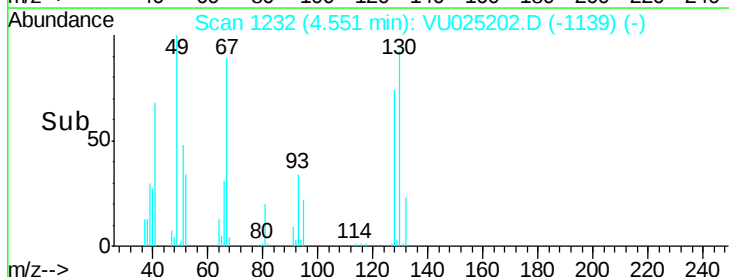
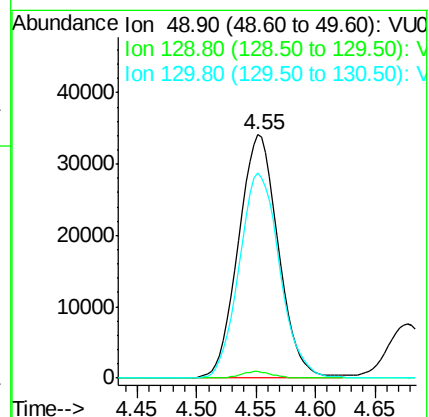
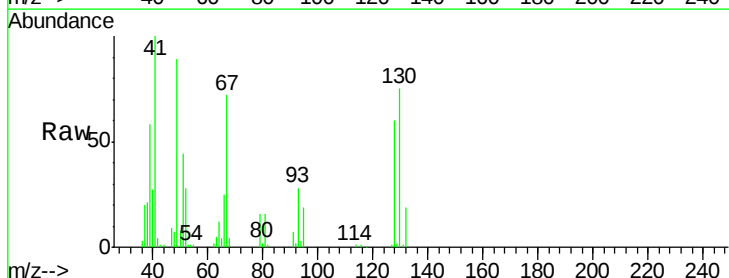
Tgt Ion: 49 Resp: 79507

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 85.4 57.8 86.6





#29

Tetrahydrofuran

Concen: 270.094 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

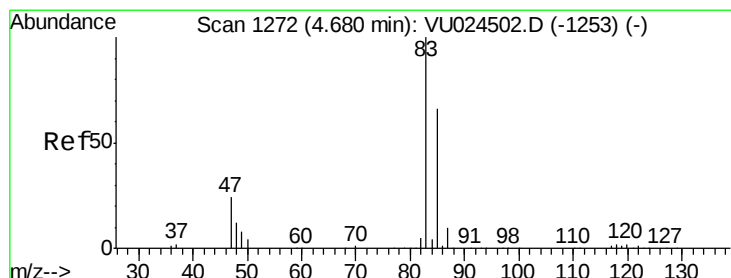
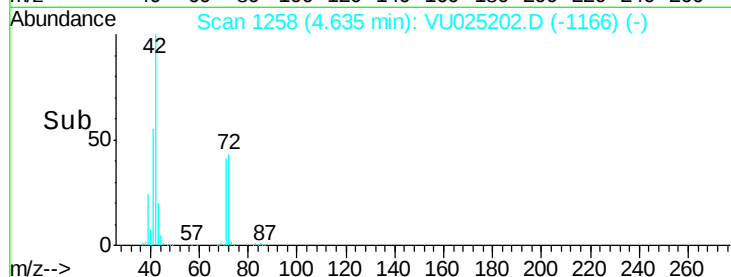
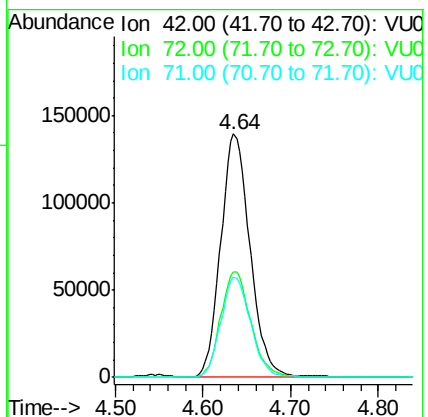
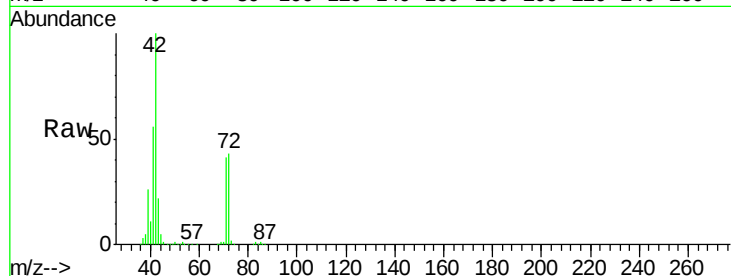
Tot Ion: 42 Resp: 323764

Ion Ratio Lower Upper

42 100

72 44.8 34.5 51.7

71 41.8 32.2 48.4



#30

Chloroform

Concen: 54.784 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025202.D

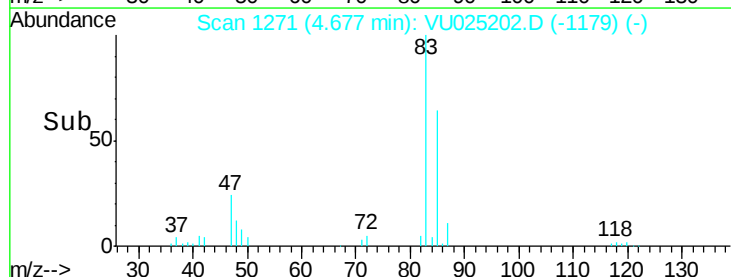
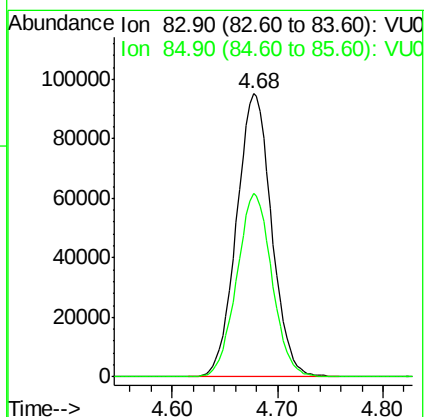
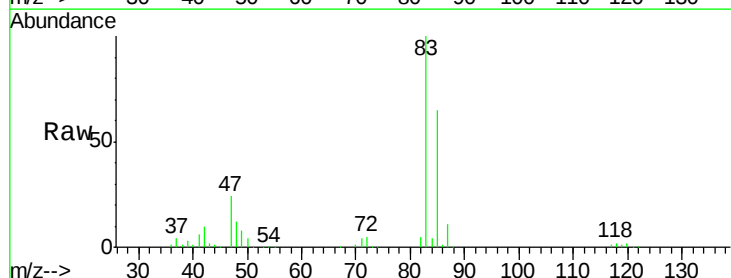
Acq: 03 Jul 2018 20:28

Tgt Ion: 83 Resp: 219637

Ion Ratio Lower Upper

83 100

85 64.6 52.4 78.6

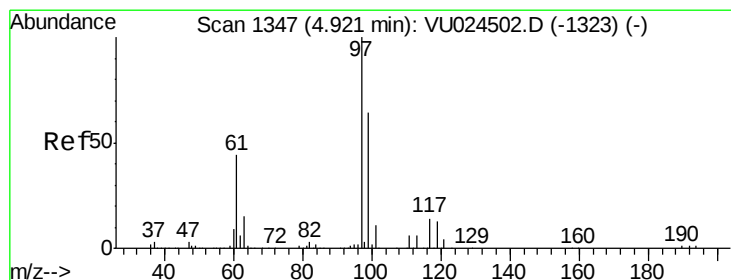
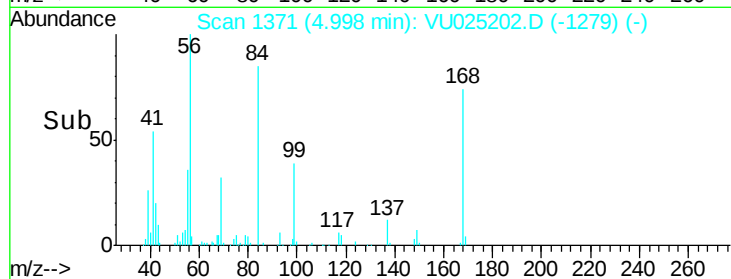
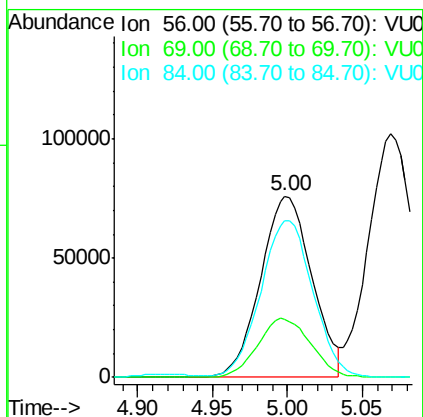
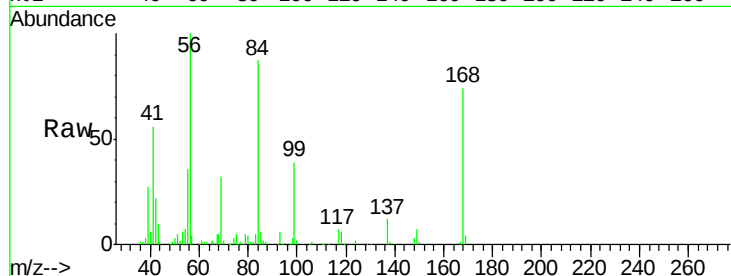




#31
Cyclohexane
Concen: 51.515 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

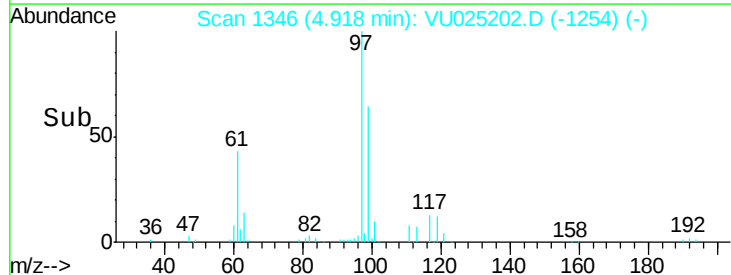
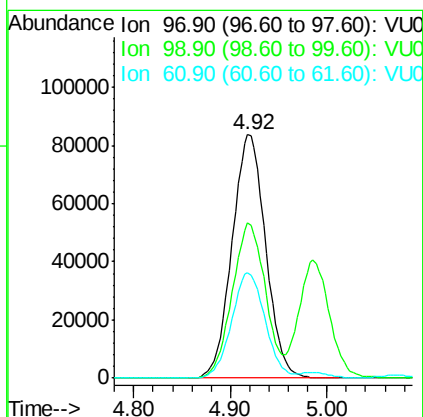
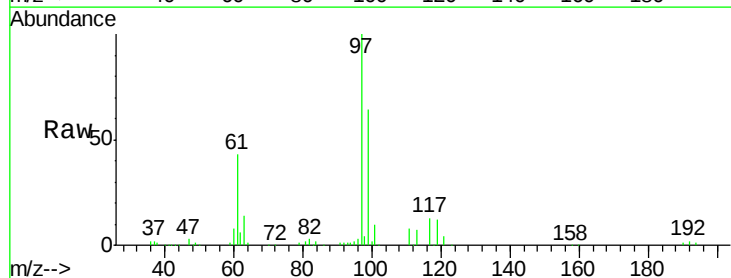
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 180992
Ion Ratio Lower Upper
56 100
69 32.1 24.8 37.2
84 85.3 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 54.331 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 97 Resp: 201426
Ion Ratio Lower Upper
97 100
99 62.8 51.0 76.6
61 43.3 39.4 59.0

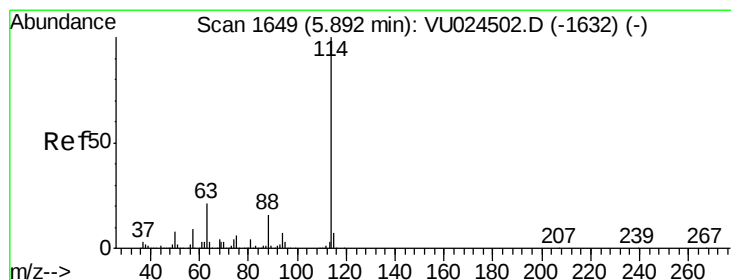
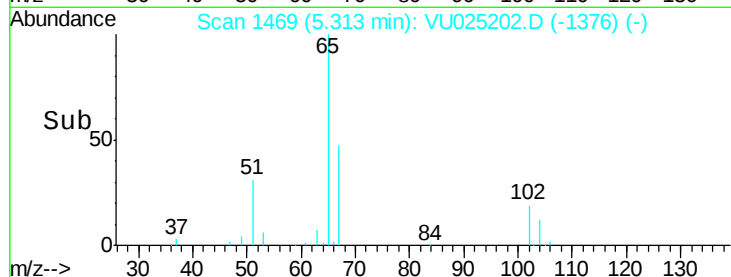
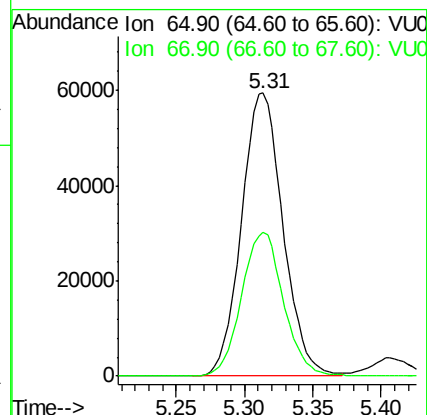
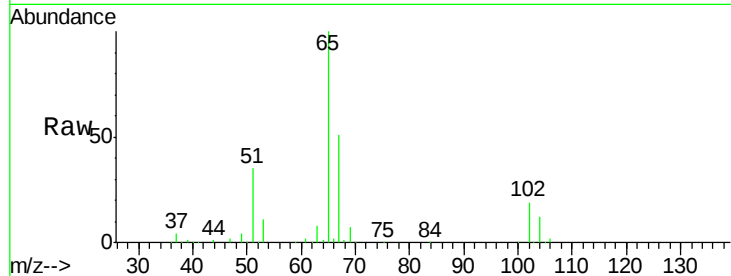




#33
 1,2-Dichloroethane-d4
 Concen: 46.875 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

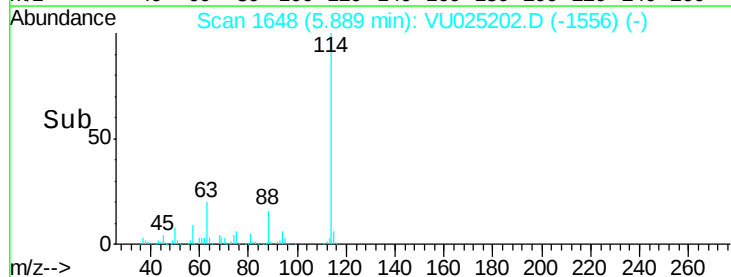
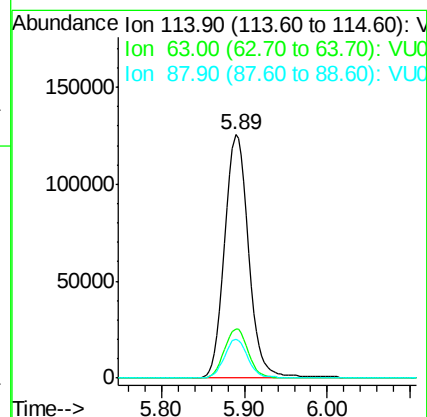
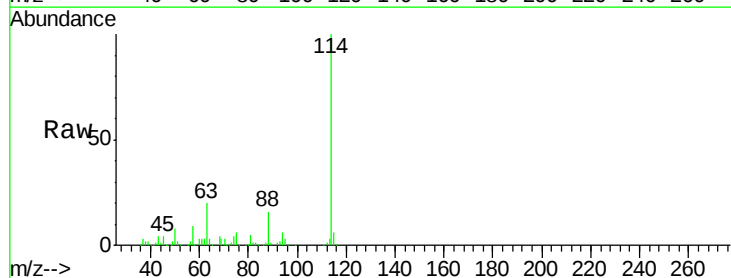
Instrument :
 MSVOA_U
 ClientSampled :

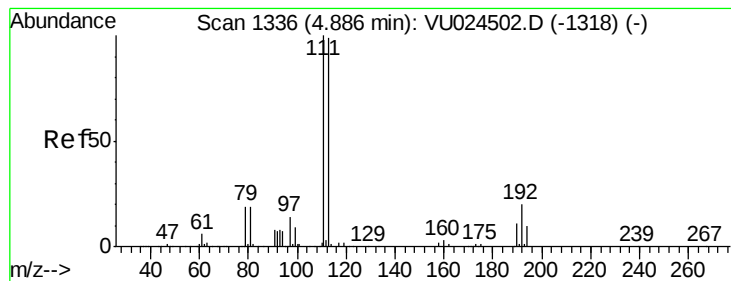
Tot Ion: 65 Resp: 125721
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 114 Resp: 253125
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 45.4
 88 16.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.187 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampled :

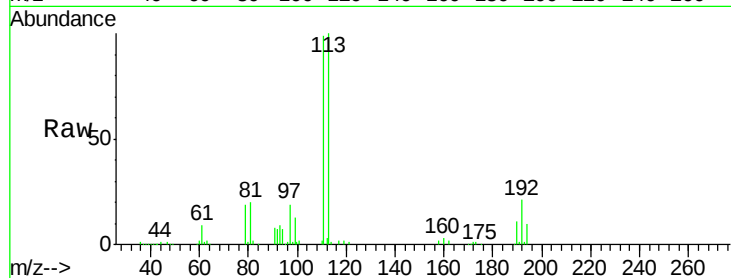
Tot Ion:113 Resp: 105429

Ion Ratio Lower Upper

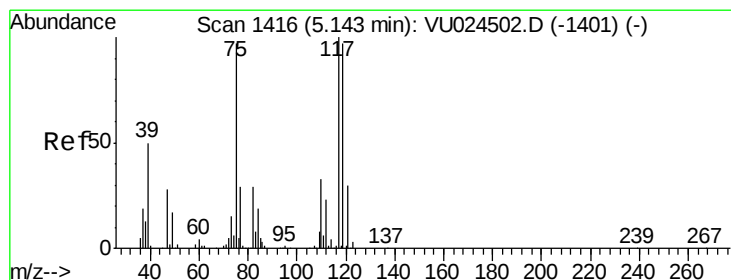
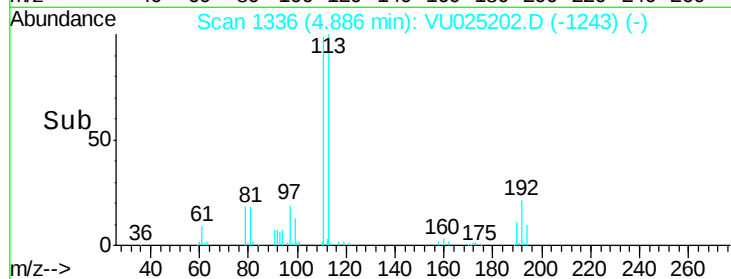
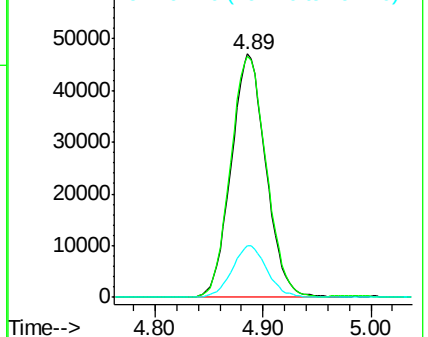
113 100

111 101.7 82.2 123.4

192 21.2 16.2 24.4



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



#36

1,1-Dichloropropene

Concen: 51.695 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

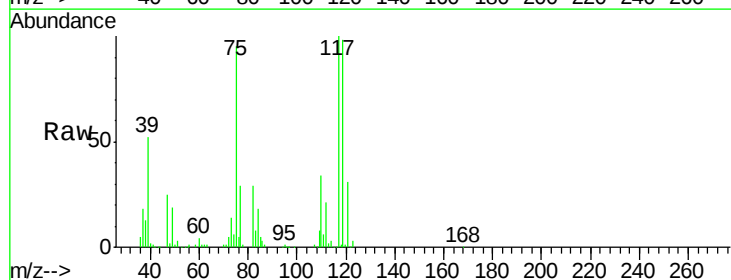
Tgt Ion: 75 Resp: 153763

Ion Ratio Lower Upper

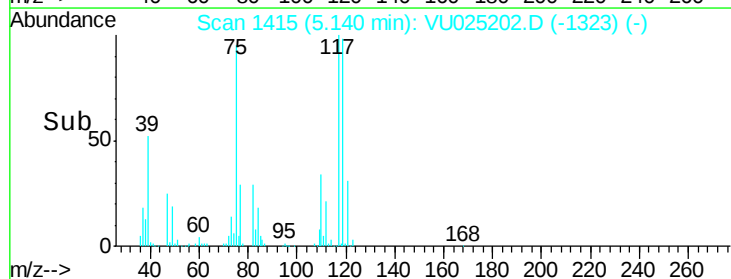
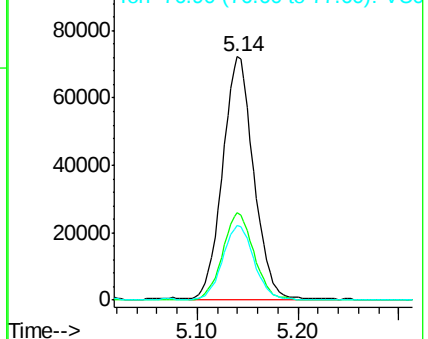
75 100

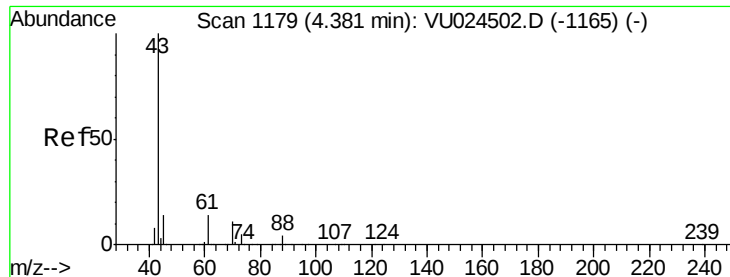
110 36.5 17.0 50.9

77 30.9 24.2 36.4



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0

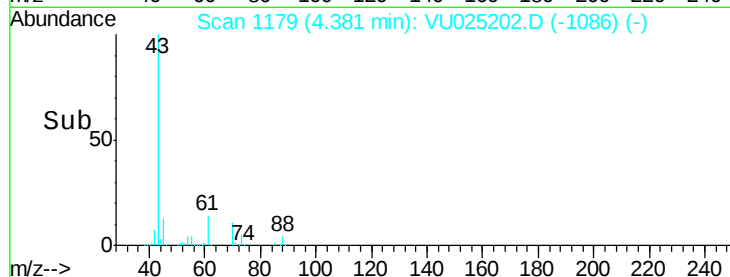
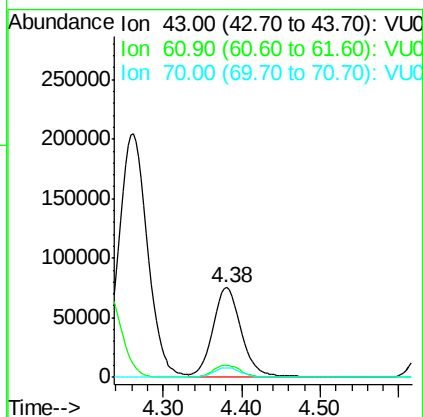
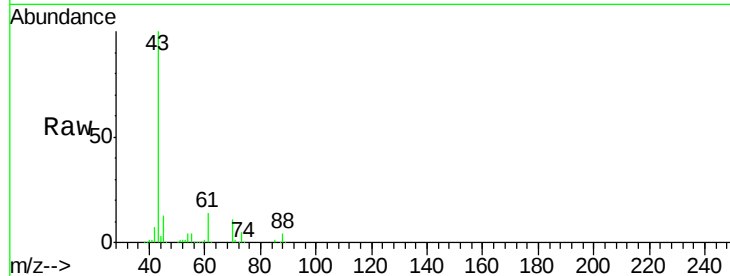




#37
Ethyl Acetate
Concen: 57.497 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

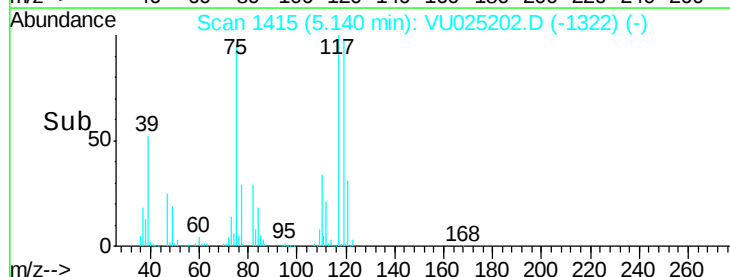
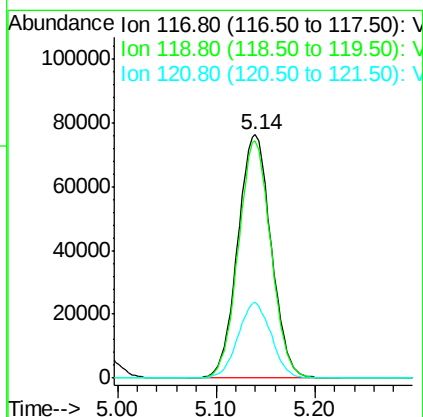
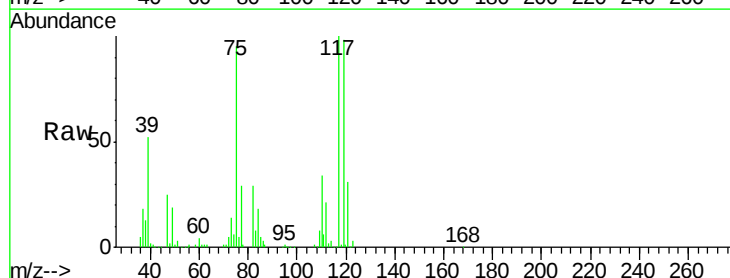
Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	10.5	7.4	11.2



#38
Carbon Tetrachloride
Concen: 54.570 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.1	114.1
121	31.0	23.7	35.5

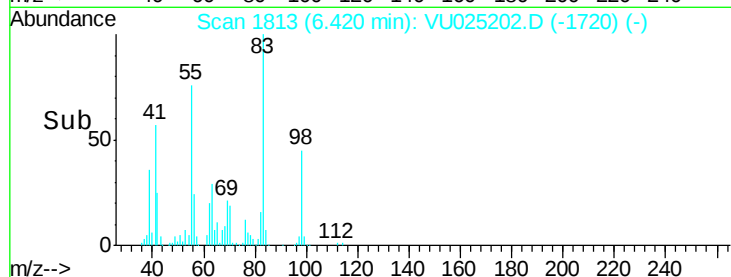
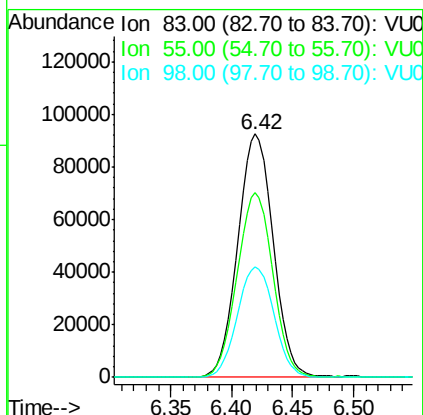
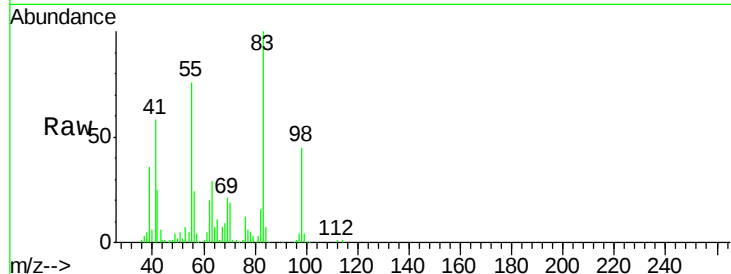




#39
Methvlcvclohexane
Concen: 50.182 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

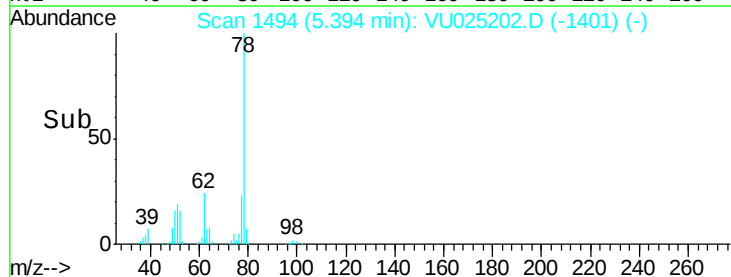
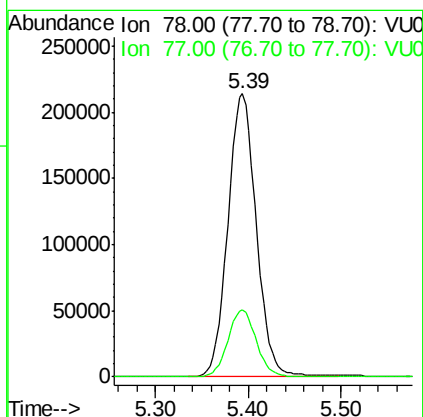
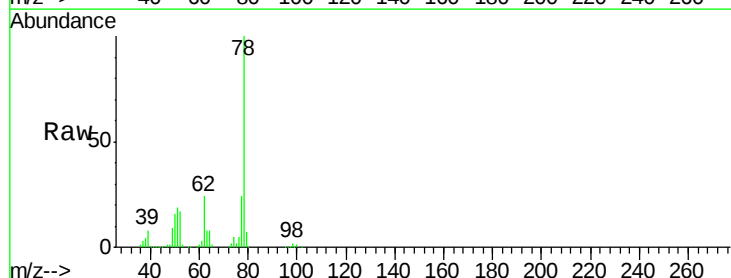
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 186266
Ion Ratio Lower Upper
83 100
55 75.7 65.8 98.6
98 45.3 36.7 55.1



#40
Benzene
Concen: 53.753 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 78 Resp: 455580
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8





#41

Methacrylonitrile

Concen: 58.504 ug/l

RT: 4.55 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 102260

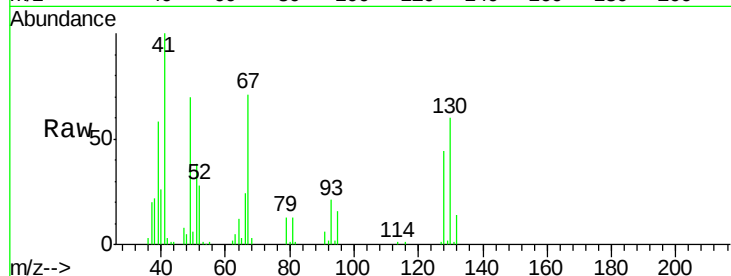
Ion	Ratio	Lower	Upper
41	100		
39	58.0	43.8	65.6
67	71.6	56.3	84.5
52	29.4	23.2	34.8

41 100

39 58.0 43.8 65.6

67 71.6 56.3 84.5

52 29.4 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

120000

100000

80000

60000

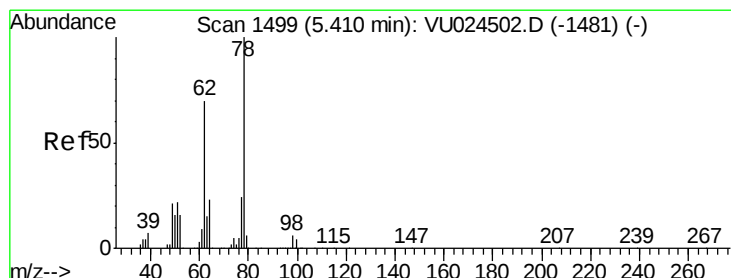
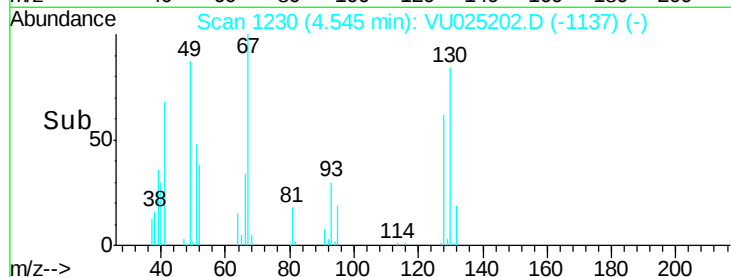
40000

20000

0

4.45 4.50 4.55 4.60

Time-->



#42

1,2-Dichloroethane

Concen: 57.366 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025202.D

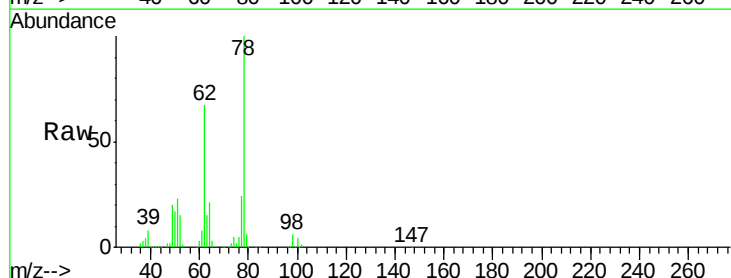
Acq: 03 Jul 2018 20:28

Tgt Ion: 62 Resp: 185176

Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6

62 100

98 8.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

100000

80000

60000

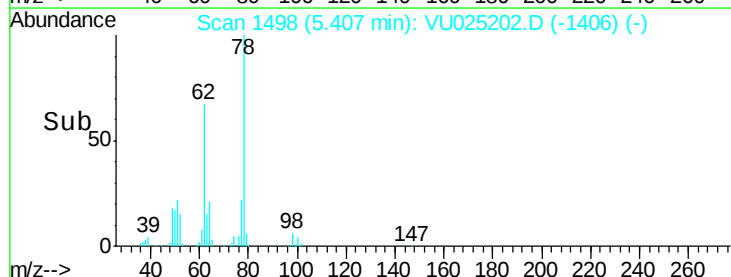
40000

20000

0

5.30 5.40 5.50

Time-->





#43

Isopropyl Acetate

Concen: 52.233 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampled :

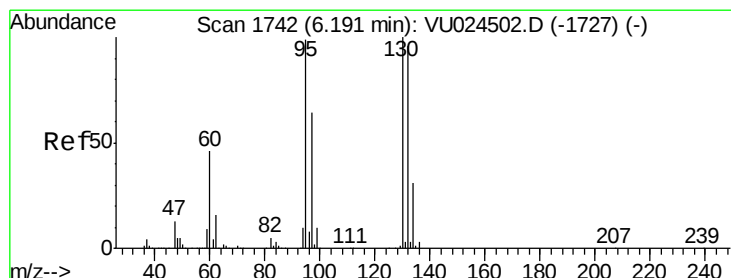
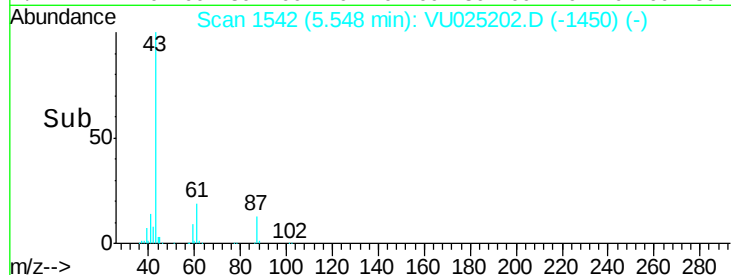
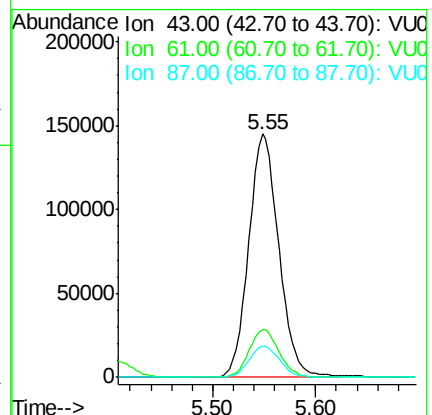
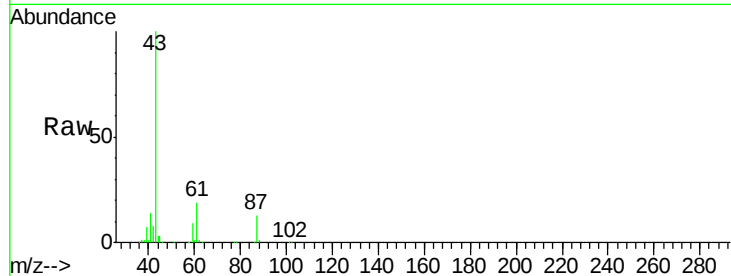
Tot Ion: 43 Resp: 292700

Ion Ratio Lower Upper

43 100

61 19.7 15.4 23.0

87 13.3 10.0 15.0



#44

Trichloroethene

Concen: 51.516 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025202.D

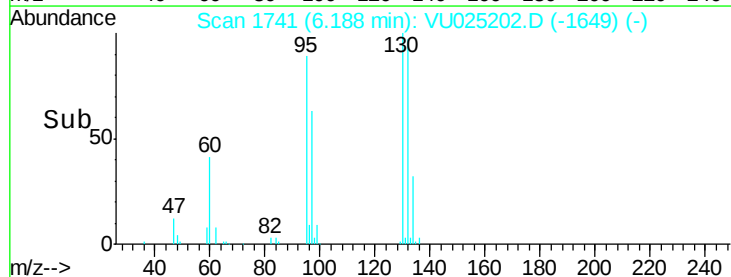
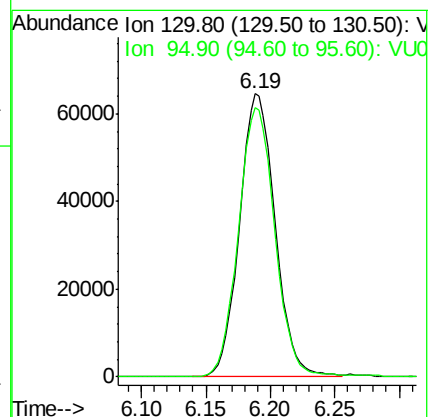
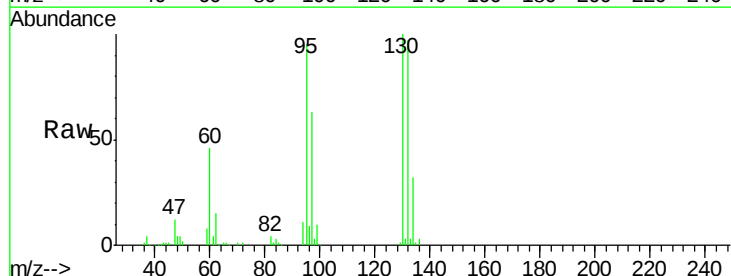
Acq: 03 Jul 2018 20:28

Tgt Ion:130 Resp: 124262

Ion Ratio Lower Upper

130 100

95 95.1 0.0 202.4

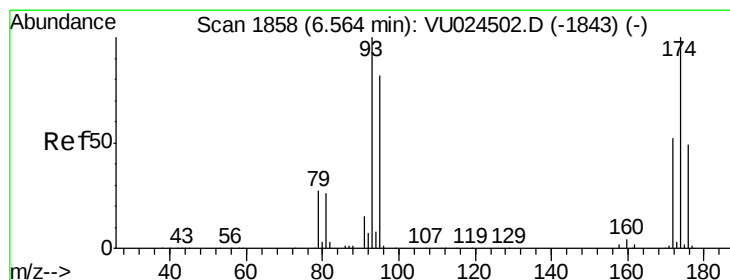
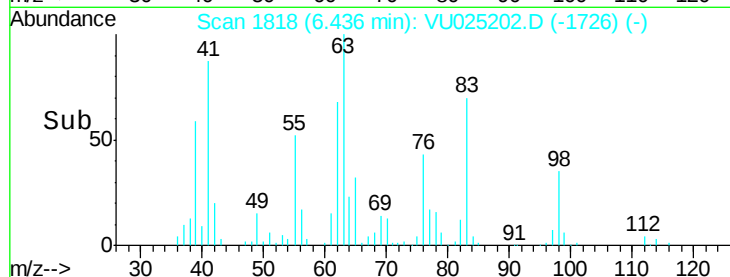
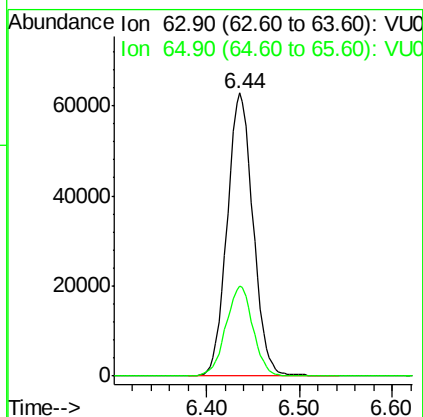
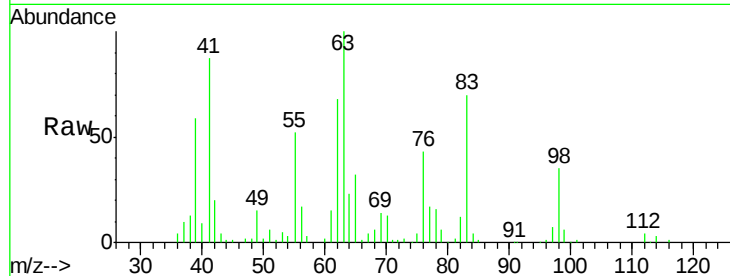




#45
 1,2-Dichloropropane
 Concen: 53.995 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

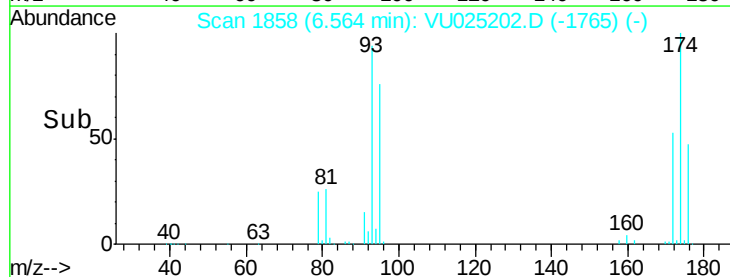
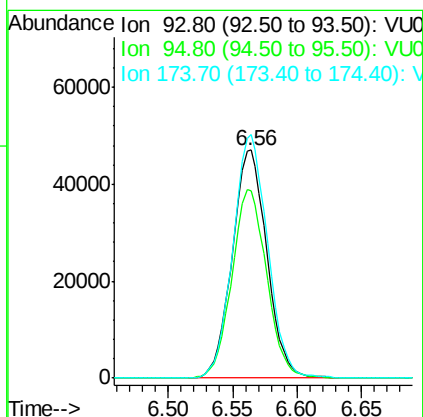
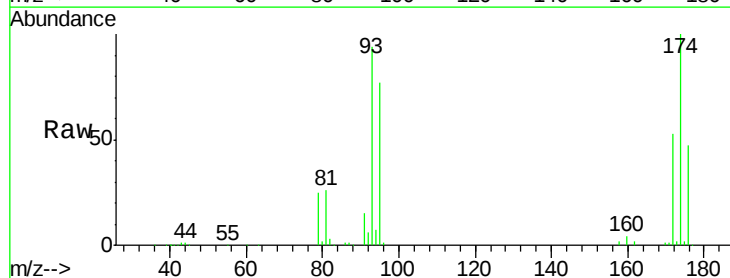
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 122108
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.8 37.2



#46
 Dibromomethane
 Concen: 55.418 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 93 Resp: 88029
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.5 98.3
 174 106.9 78.7 118.1





#47

Bromodichloromethane

Concen: 53.037 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

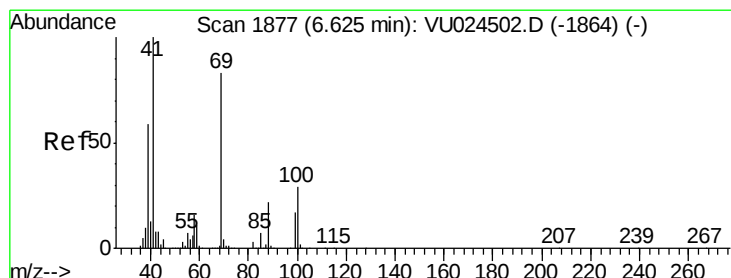
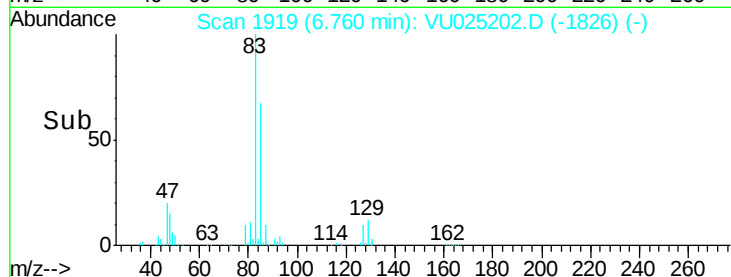
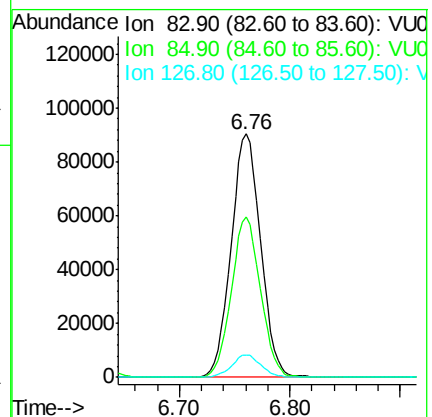
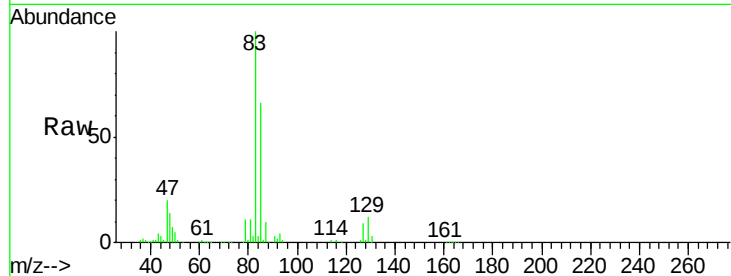
Tot Ion: 83 Resp: 167762

Ion Ratio Lower Upper

83 100

85 65.7 51.9 77.9

127 9.3 6.6 9.8



#48

Methyl methacrylate

Concen: 56.112 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

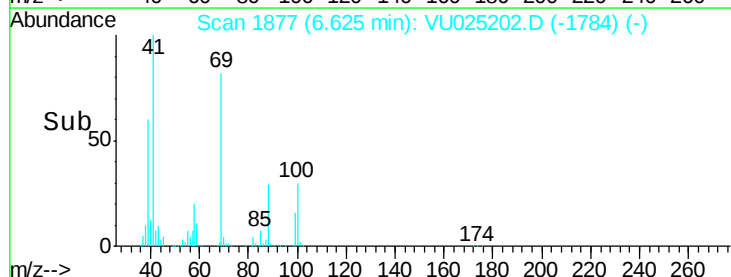
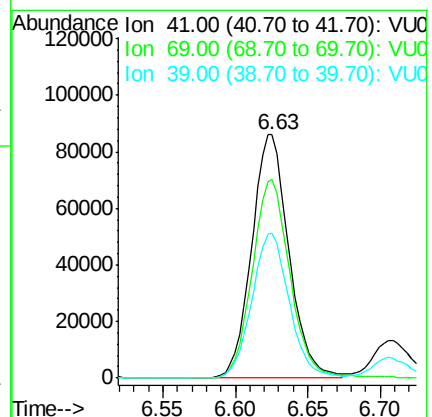
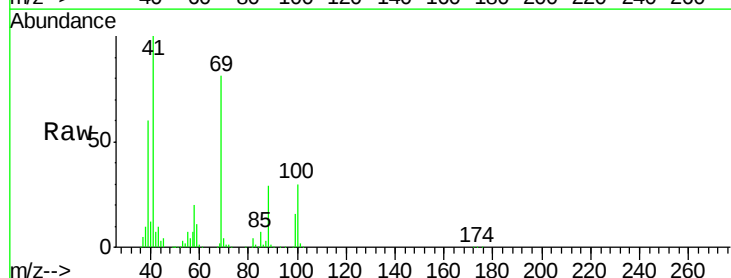
Tgt Ion: 41 Resp: 153113

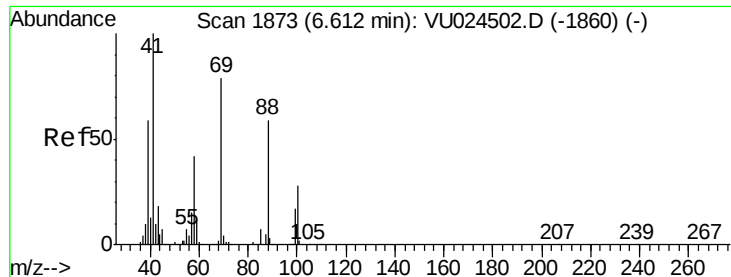
Ion Ratio Lower Upper

41 100

69 82.6 67.3 100.9

39 60.2 46.5 69.7





#49

1,4-Dioxane

Concen: 1304.121 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

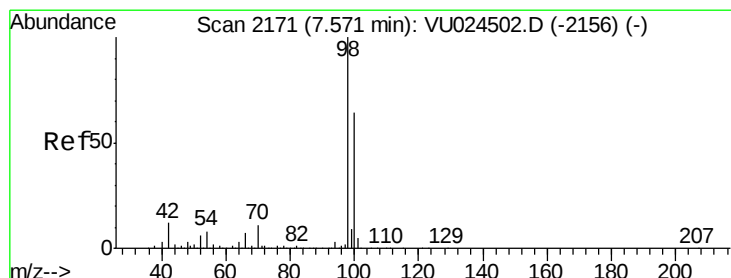
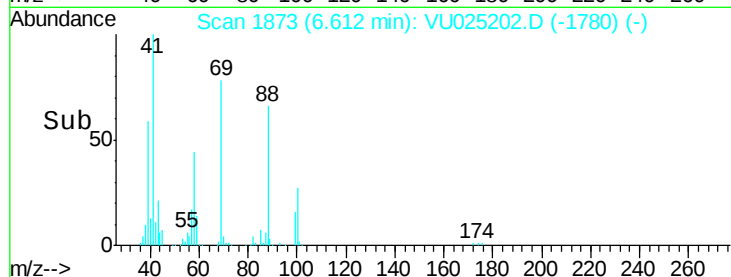
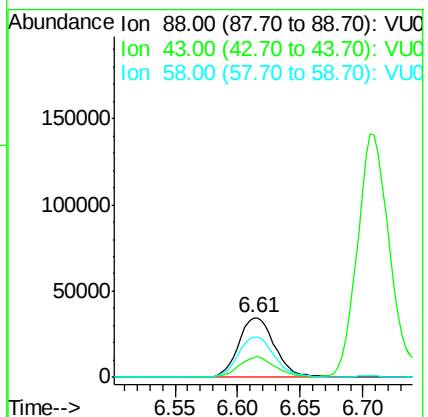
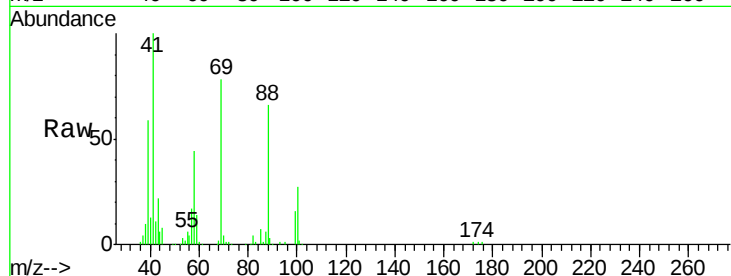
Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 88 Resp: 69592

Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.6	42.8
58	67.9	58.2	87.4



#50

Toluene-d8

Concen: 42.801 ug/l

RT: 7.57 min Scan# 2170

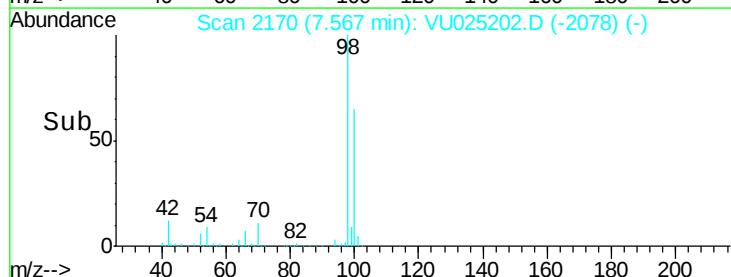
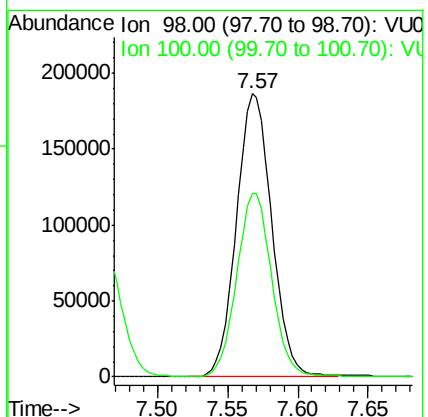
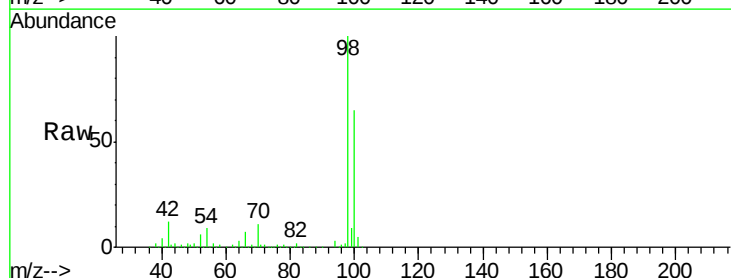
Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Tgt Ion: 98 Resp: 327967

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 276.476 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

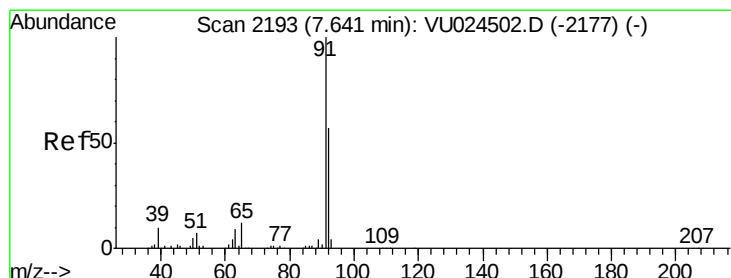
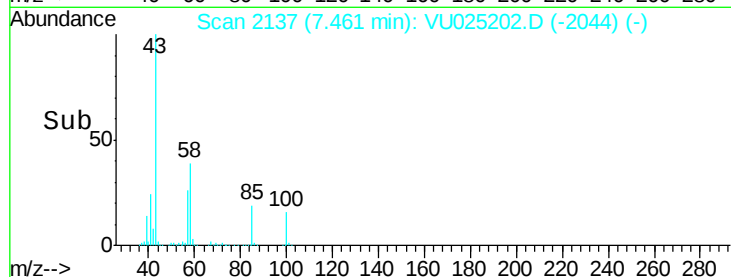
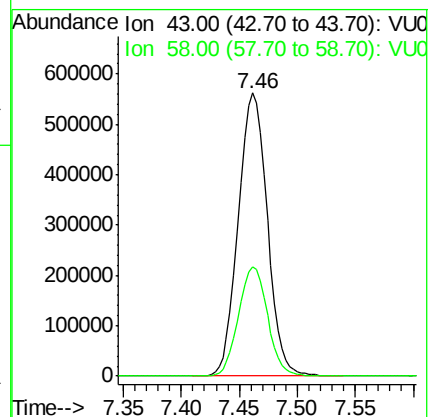
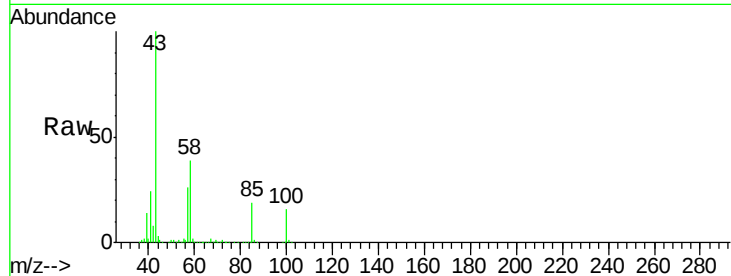
ClientSampled :

Tot Ion: 43 Resp: 973355

Ion Ratio Lower Upper

43 100

58 38.7 30.0 45.0



#52

Toluene

Concen: 53.430 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025202.D

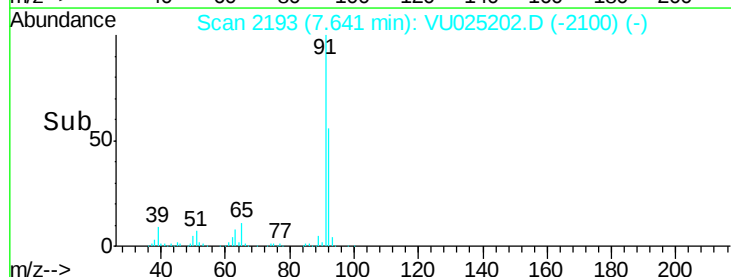
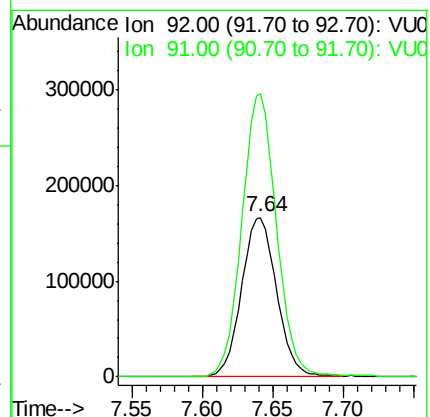
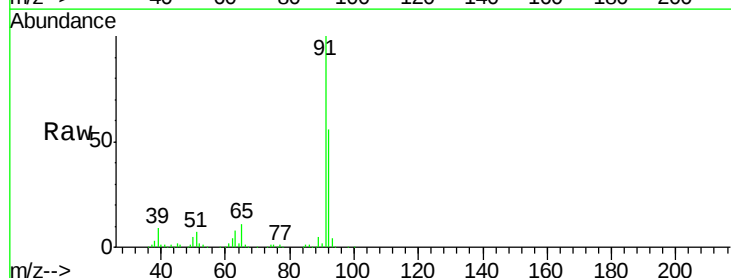
Acq: 03 Jul 2018 20:28

Tgt Ion: 92 Resp: 291341

Ion Ratio Lower Upper

92 100

91 176.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 50.159 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

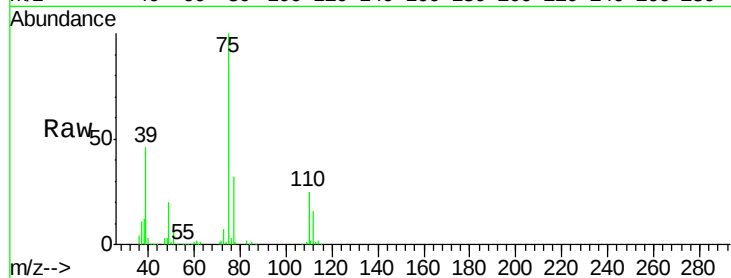
ClientSampled :

Tot Ion: 75 Resp: 178174

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

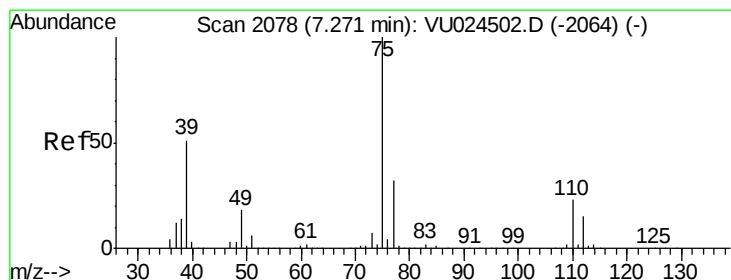
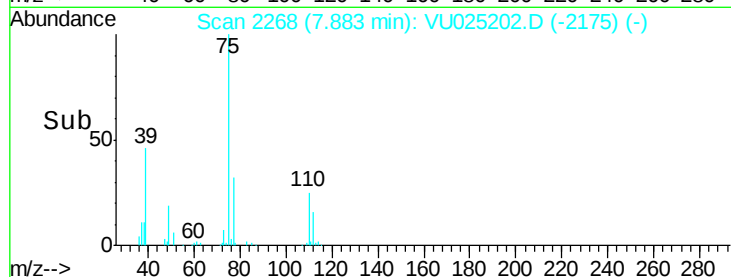
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.797 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

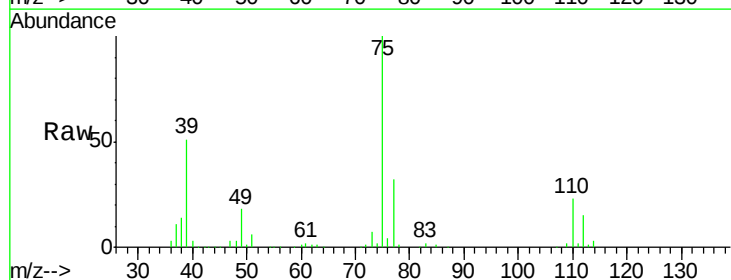
Tgt Ion: 75 Resp: 188483

Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

39 50.5 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

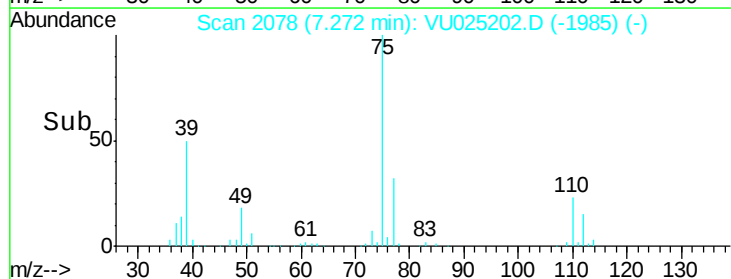
150000

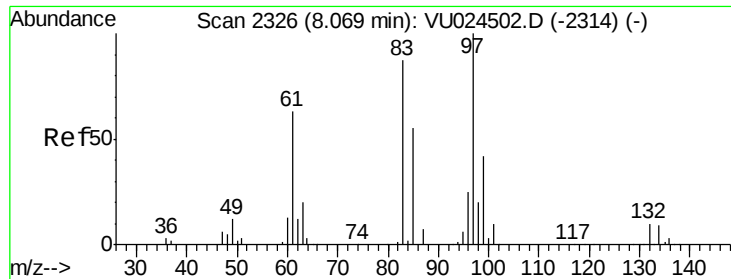
100000

50000

0

Time-->

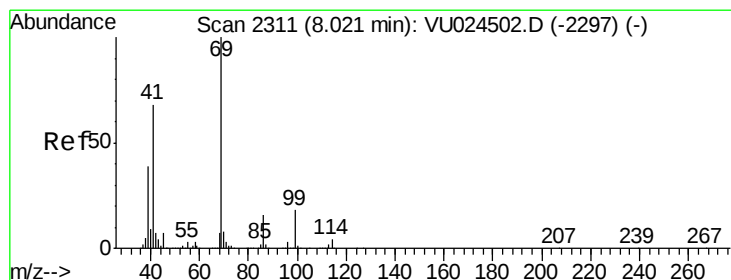
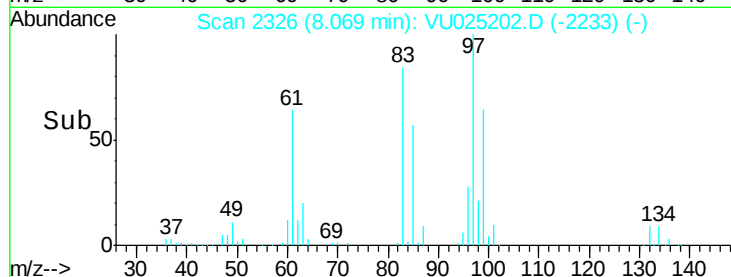
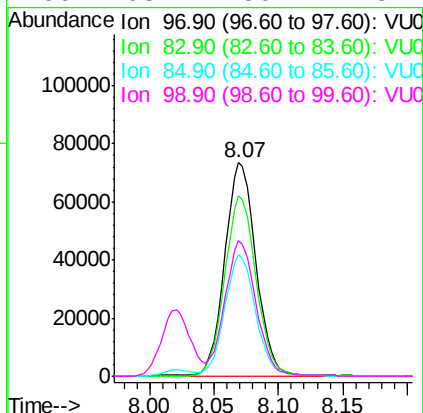
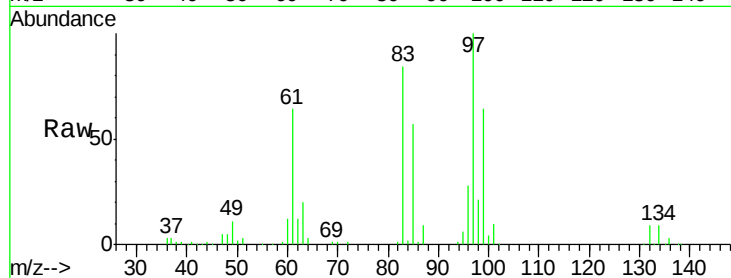




#55
 1,1,2-Trichloroethane
 Concen: 55.301 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

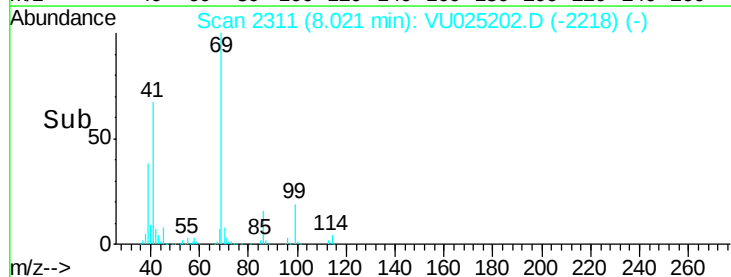
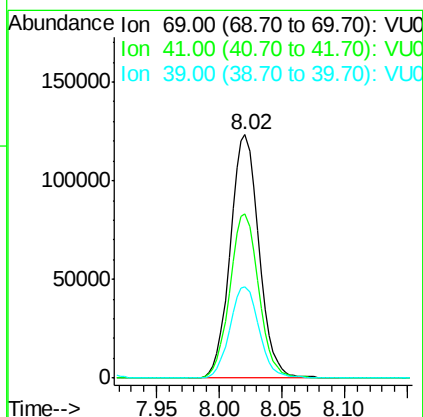
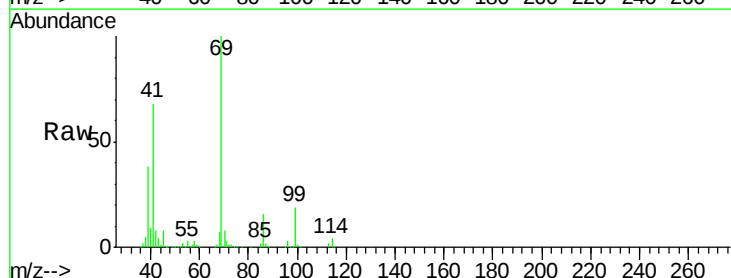
Instrument :
 MSVOA_U
 ClientSampleId :

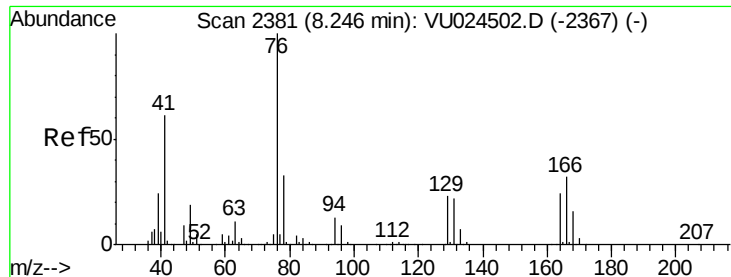
Tot Ion:	97	Resp:	122575
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.5	105.7
85	56.7	46.4	69.6
99	63.7	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 52.738 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion:	69	Resp:	195649
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.1	81.1
39	38.2	30.3	45.5

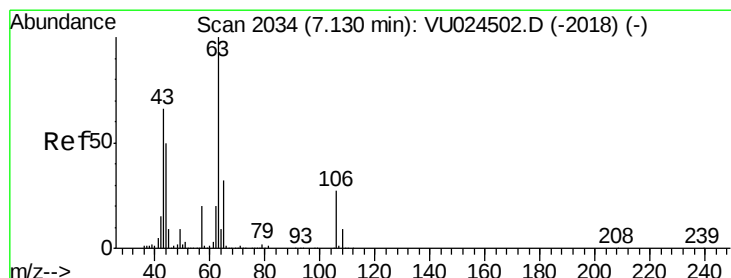
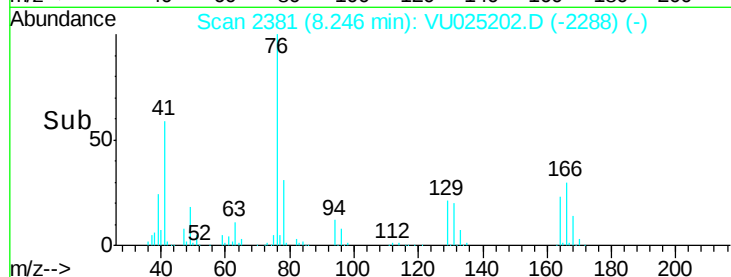
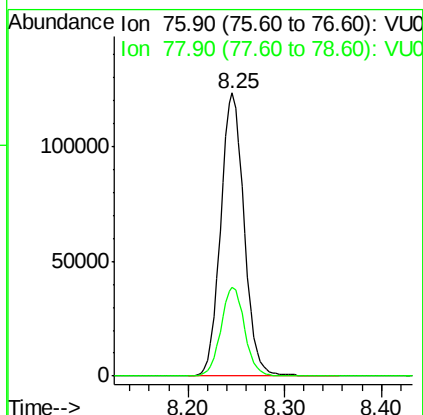
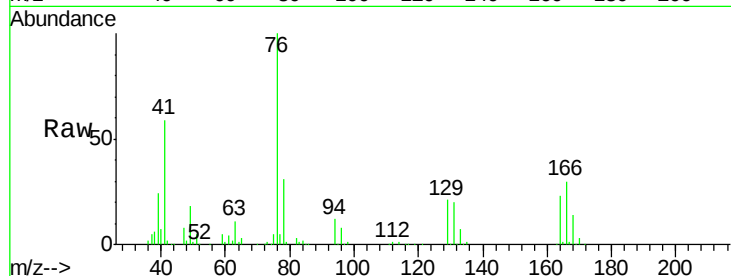




#57
 1,3-Dichloropropane
 Concen: 55.576 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

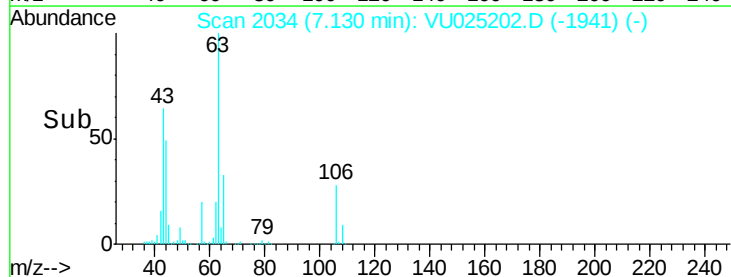
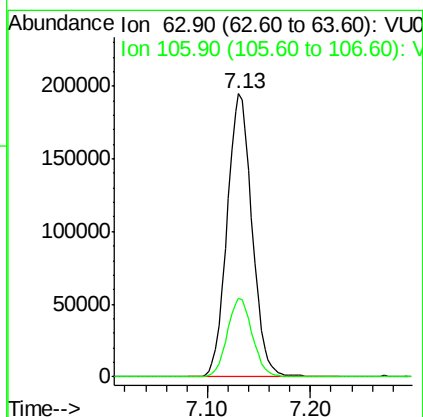
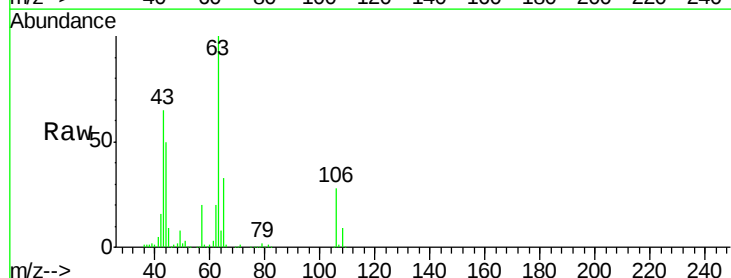
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 76 Resp: 207802
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.586 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 63 Resp: 329145
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.2 30.2

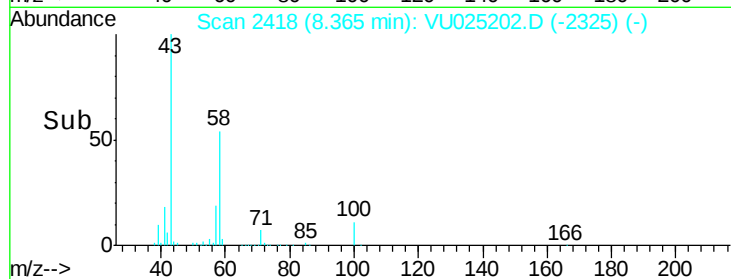
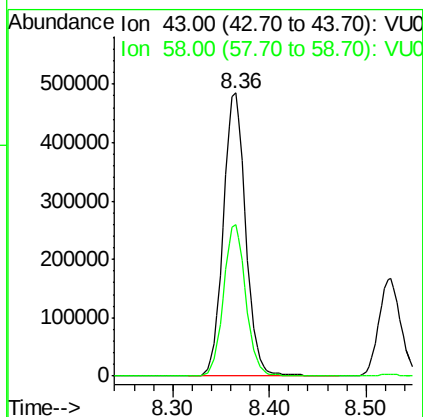
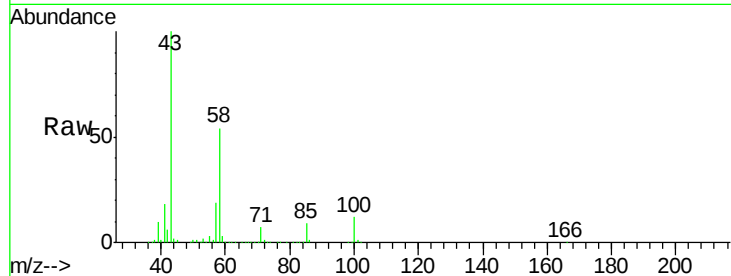




#59
2-Hexanone
Concen: 270.609 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

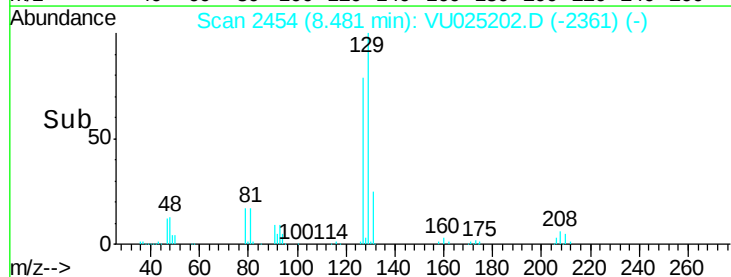
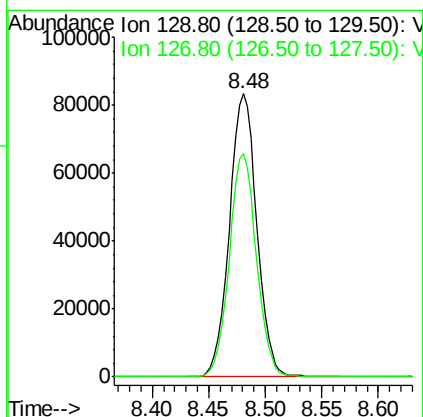
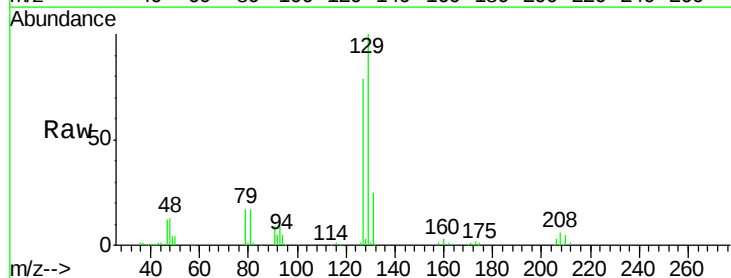
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 777788
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



#60
Dibromochloromethane
Concen: 50.830 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 129 Resp: 140493
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 55.360 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

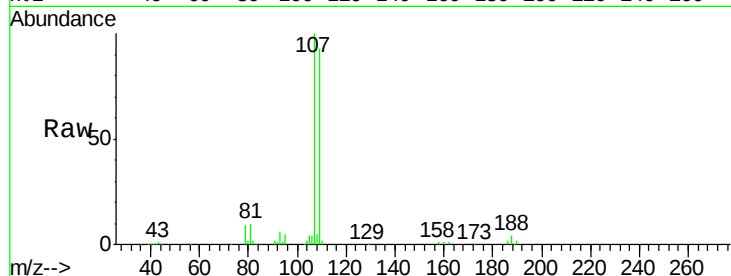
ClientSampleId :

Tot Ion:107 Resp: 136574

Ion Ratio Lower Upper

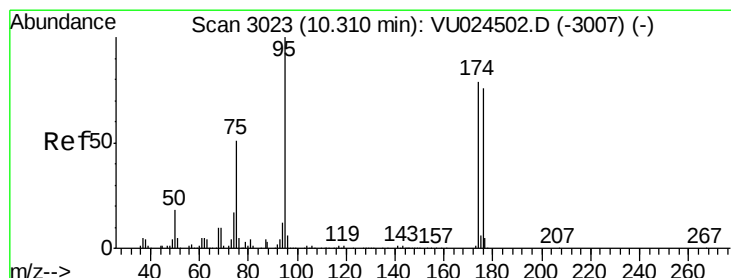
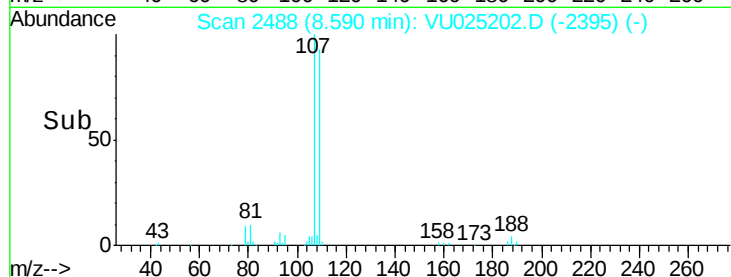
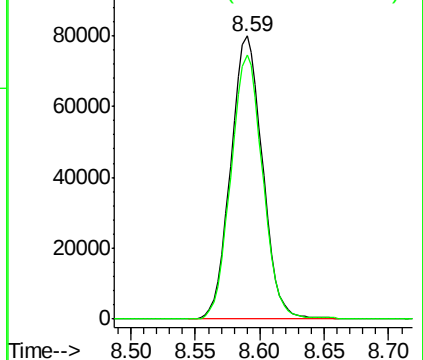
107 100

109 93.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.067 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

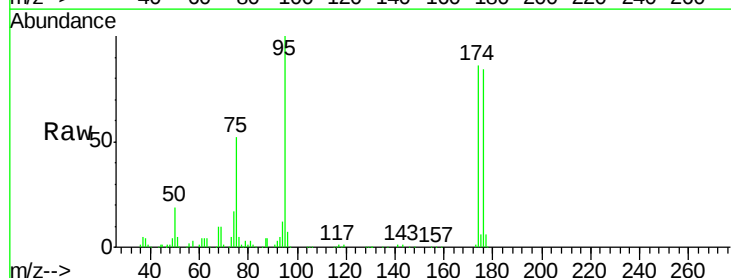
Tgt Ion: 95 Resp: 143195

Ion Ratio Lower Upper

95 100

174 86.6 0.0 165.8

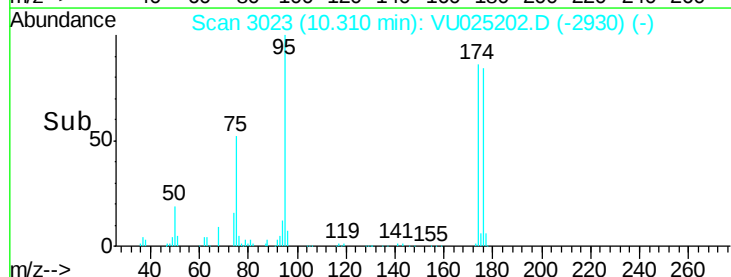
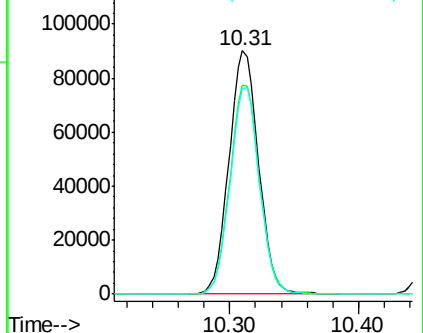
176 84.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

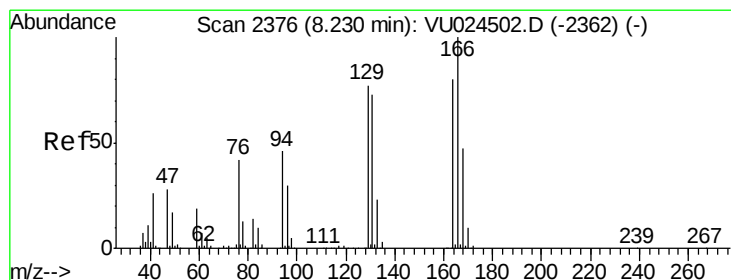
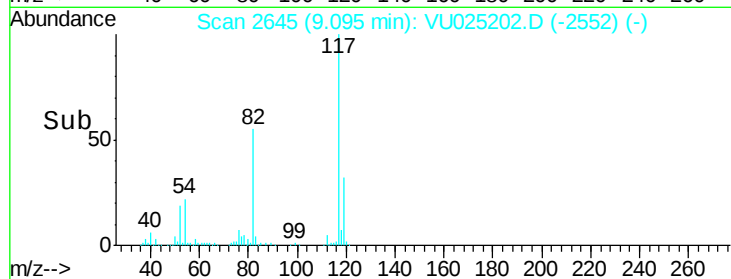
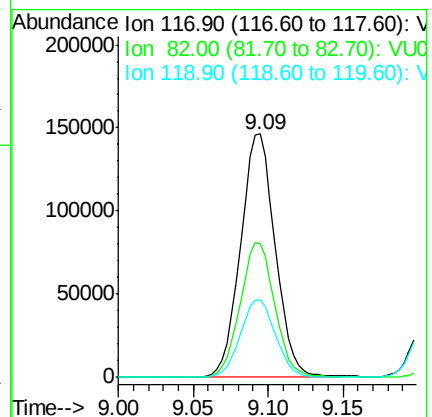
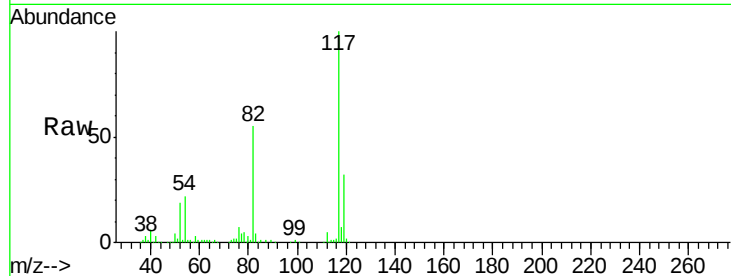




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

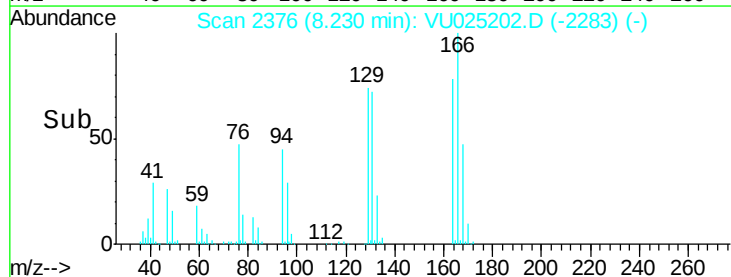
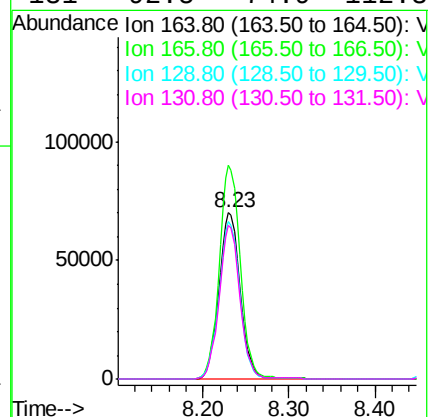
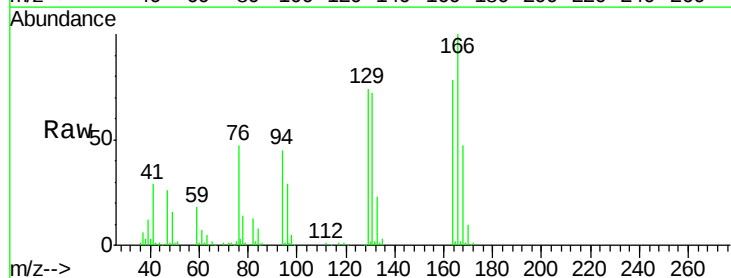
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.3	66.5
119	31.9	25.4	38.2



#64
Tetrachloroethene
Concen: 53.906 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.7	152.5
129	94.5	76.9	115.3
131	92.5	74.9	112.3

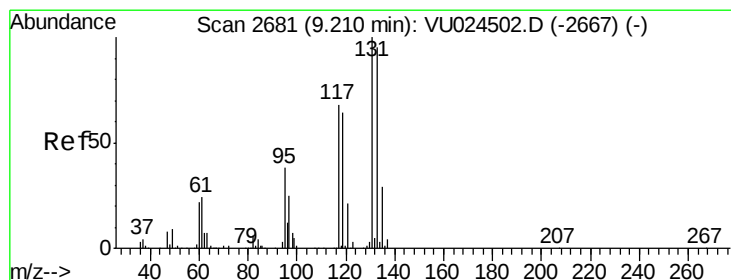
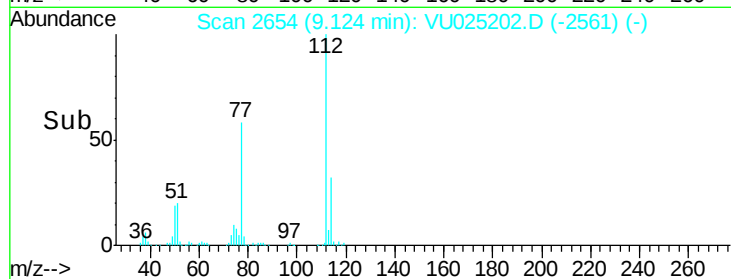
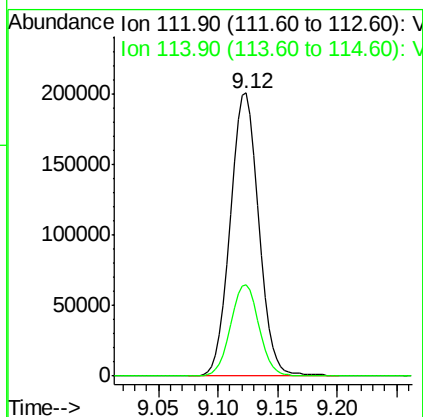
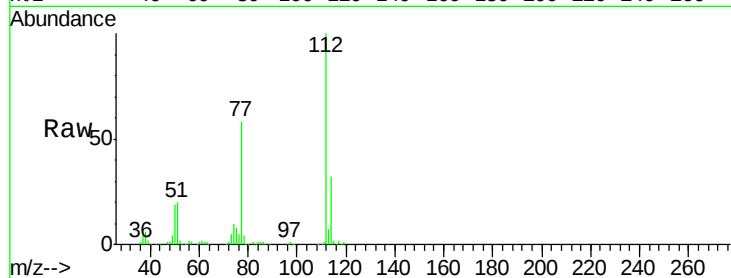




#65
Chlorobenzene
Concen: 55.466 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

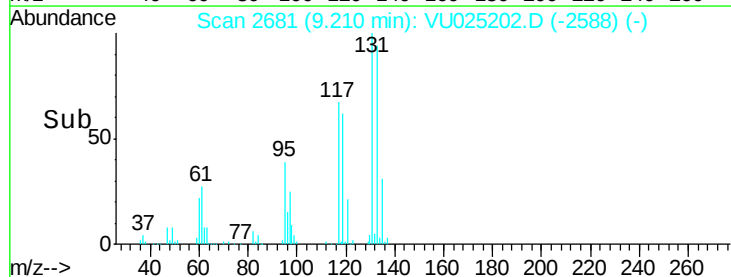
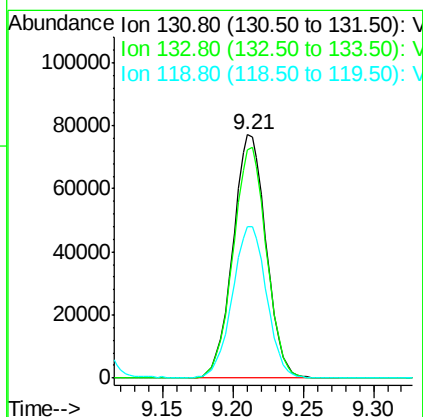
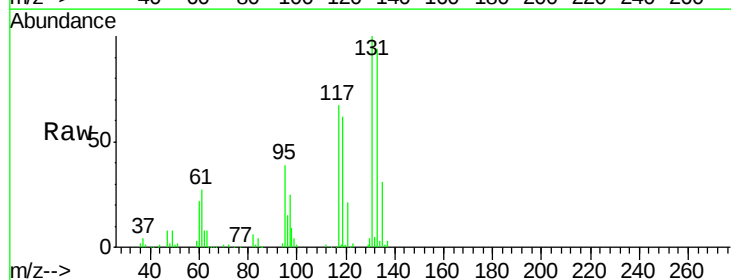
Instrument :
MSVOA_U
ClientSampleId :

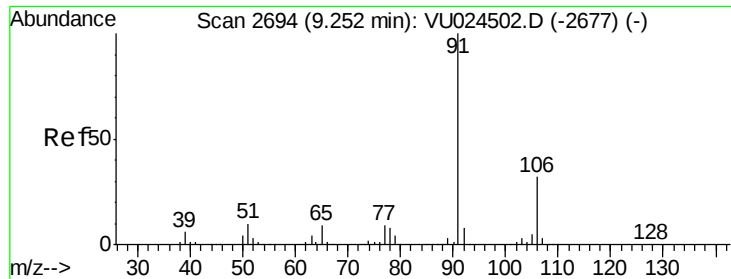
Tot Ion:112 Resp: 334906
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.505 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion:131 Resp: 127326
Ion Ratio Lower Upper
131 100
133 95.3 46.9 140.8
119 64.1 33.5 100.4





#67

Ethyl Benzene

Concen: 54.693 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

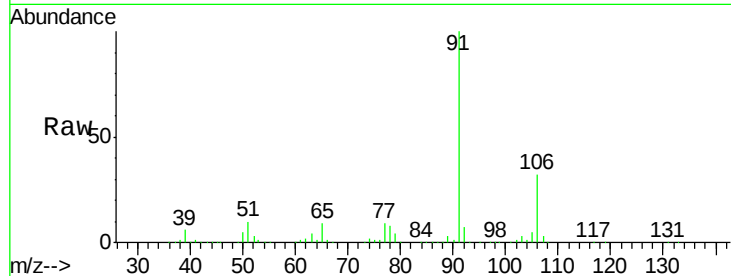
ClientSampled :

Tot Ion: 91 Resp: 578928

Ion Ratio Lower Upper

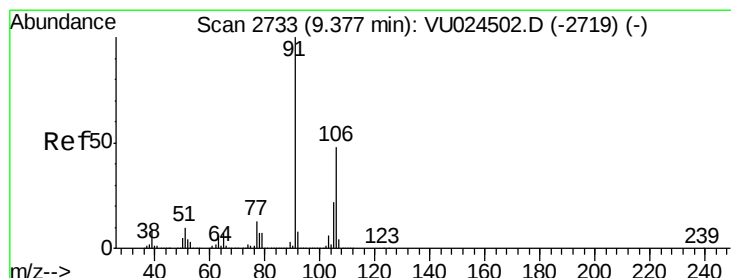
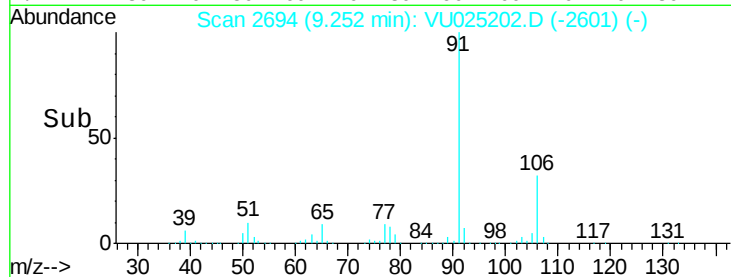
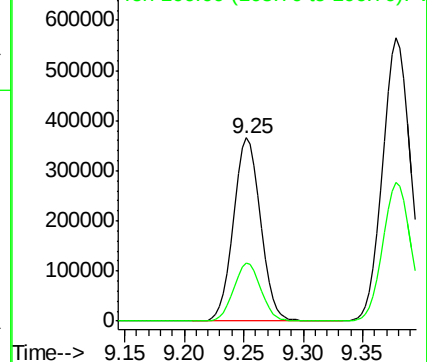
91 100

106 31.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.439 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025202.D

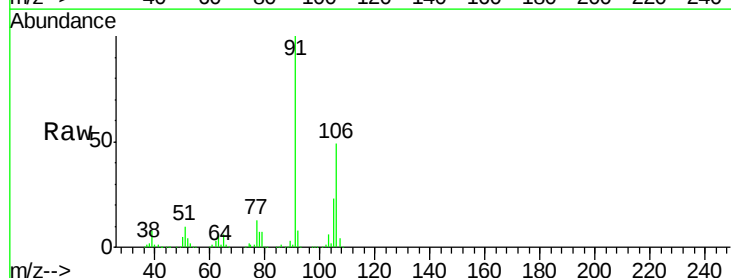
Acq: 03 Jul 2018 20:28

Tgt Ion: 106 Resp: 452964

Ion Ratio Lower Upper

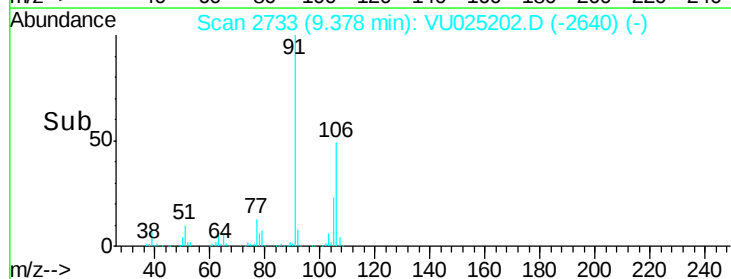
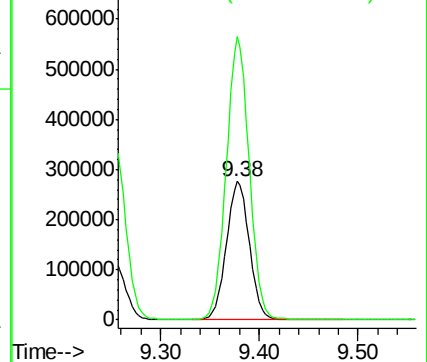
106 100

91 203.9 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

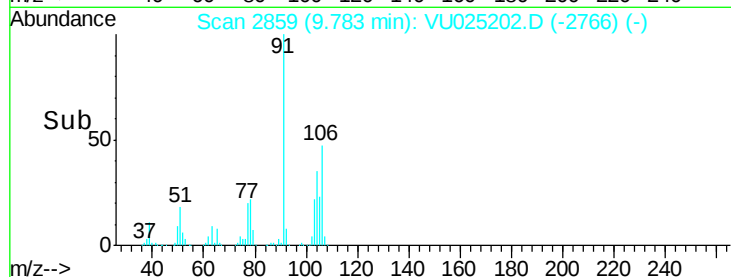
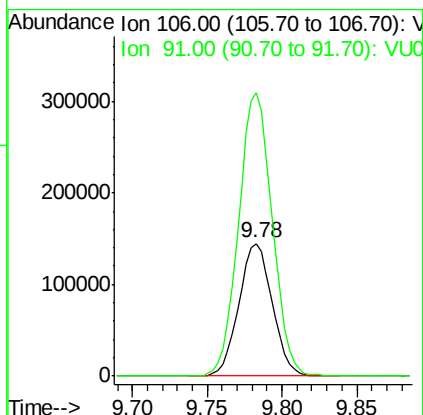
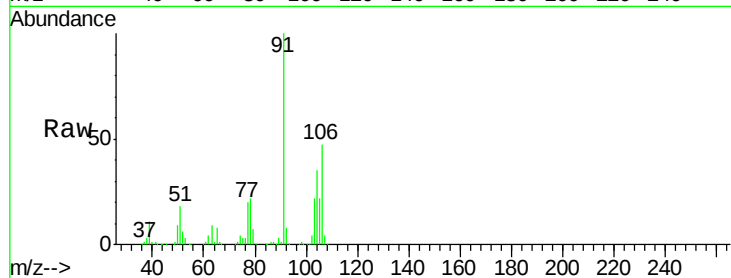




#69
o-Xylene
Concen: 55.966 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

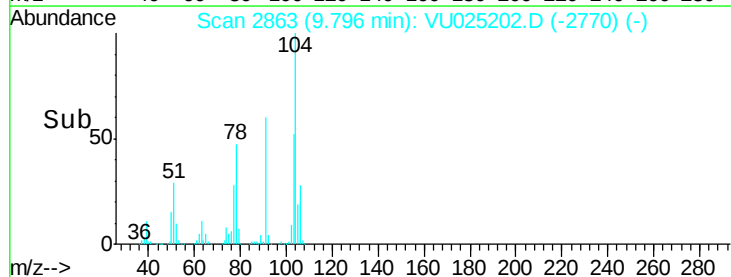
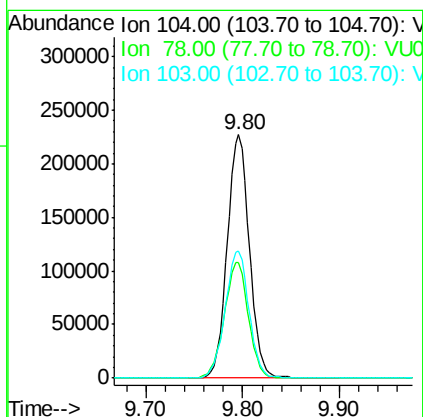
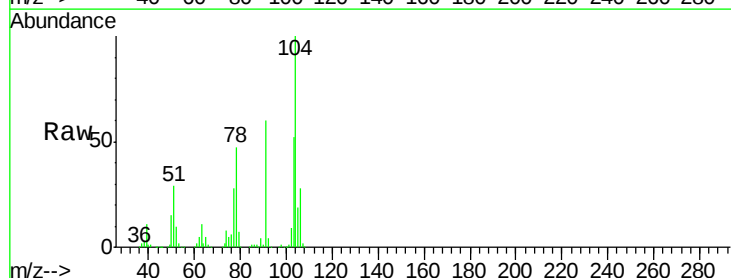
Instrument :
MSVOA_U
ClientSampled :

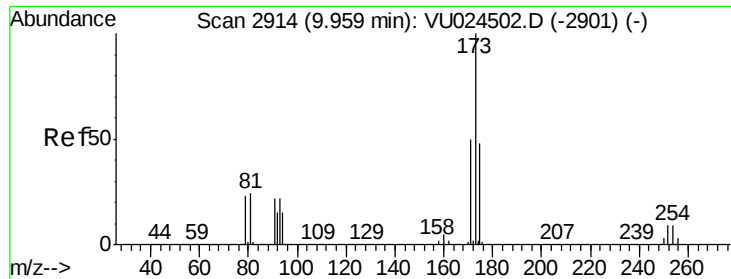
Tot Ion:106 Resp: 225134
Ion Ratio Lower Upper
106 100
91 215.1 110.7 331.9



#70
Styrene
Concen: 54.645 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion:104 Resp: 361236
Ion Ratio Lower Upper
104 100
78 51.6 40.6 60.8
103 56.1 44.7 67.1





#71

Bromoform

Concen: 50.915 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :

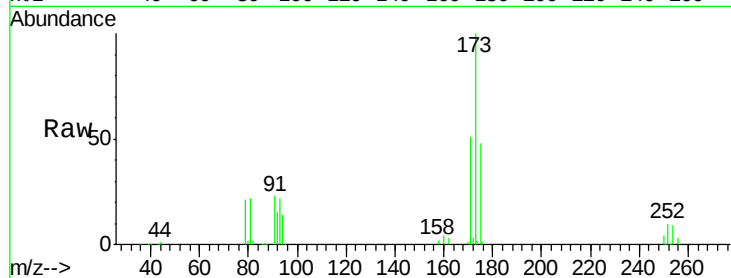
Tot Ion:173 Resp: 111015

Ion Ratio Lower Upper

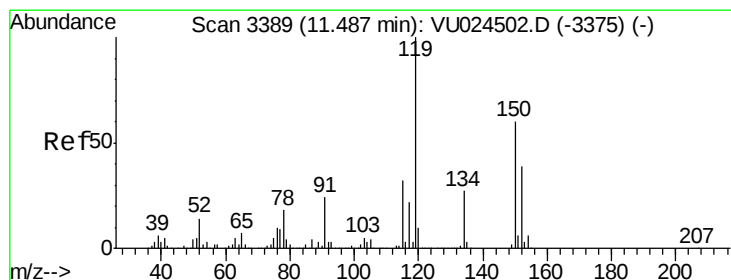
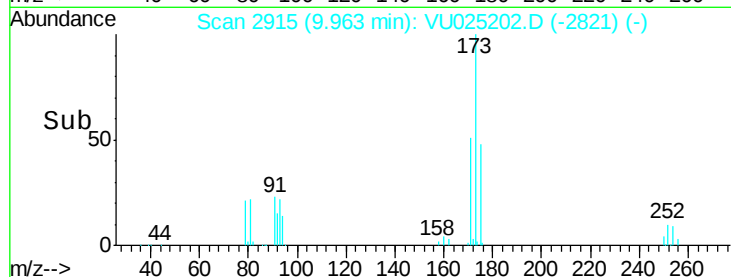
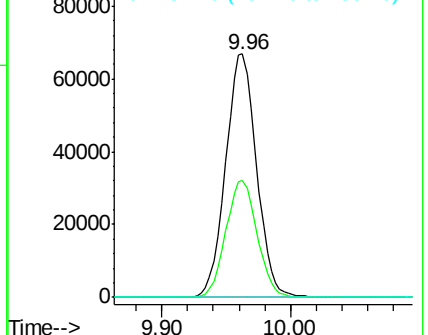
173 100

175 48.7 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: VU025202.D

Acq: 03 Jul 2018 20:28

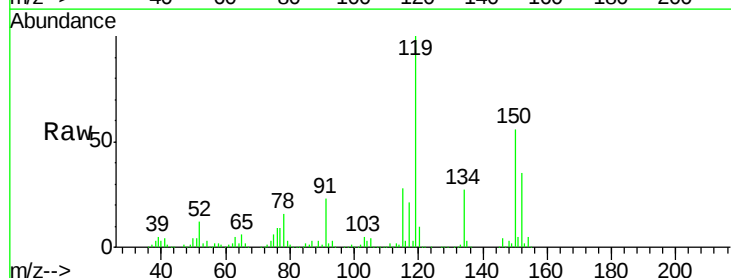
Tgt Ion:152 Resp: 143405

Ion Ratio Lower Upper

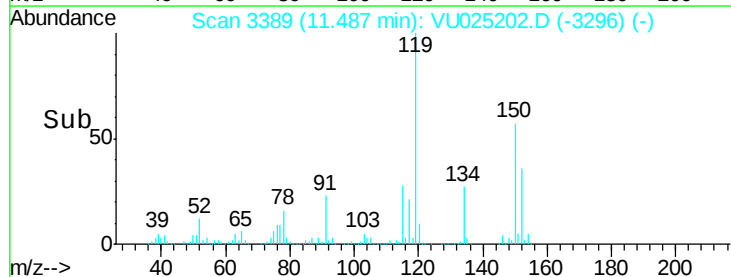
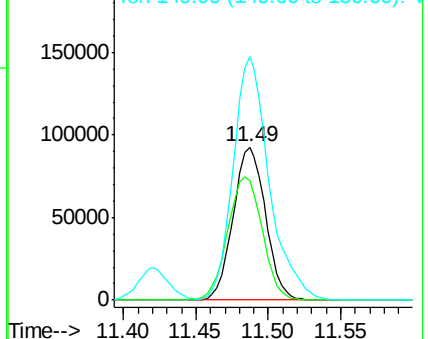
152 100

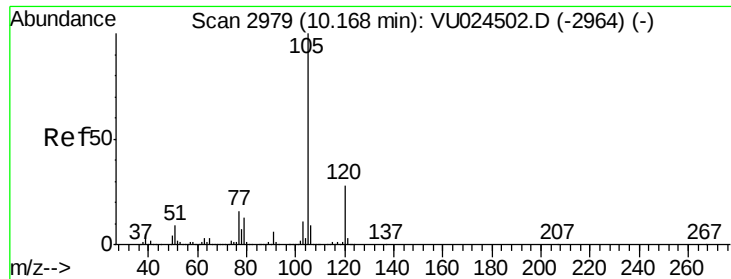
115 85.9 43.0 129.0

150 177.4 0.0 354.0



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





#73

Isopropylbenzene

Concen: 55.192 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

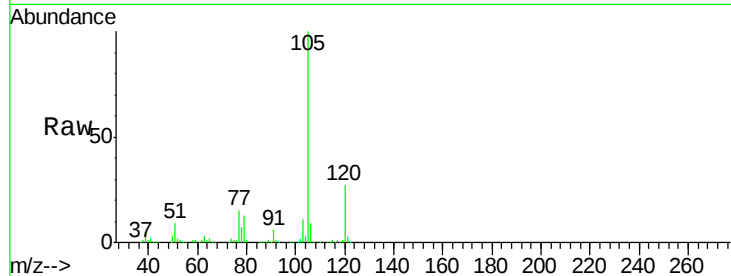
ClientSampleId :

Tot Ion:105 Resp: 607667

Ion Ratio Lower Upper

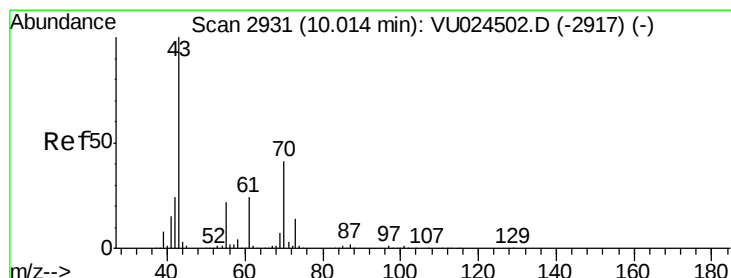
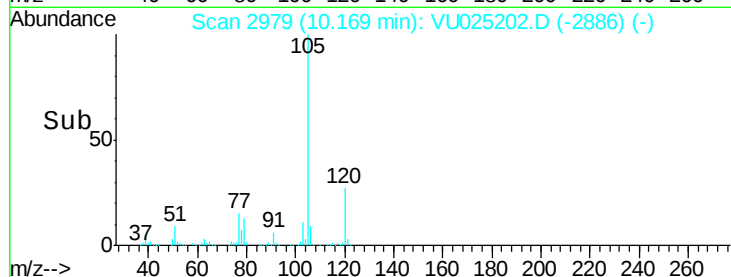
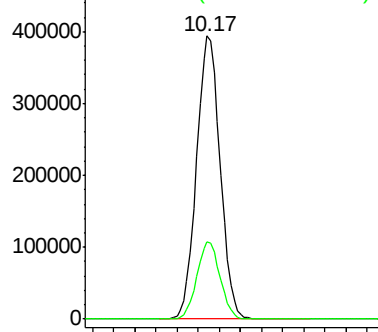
105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.261 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Tgt Ion: 43 Resp: 263212

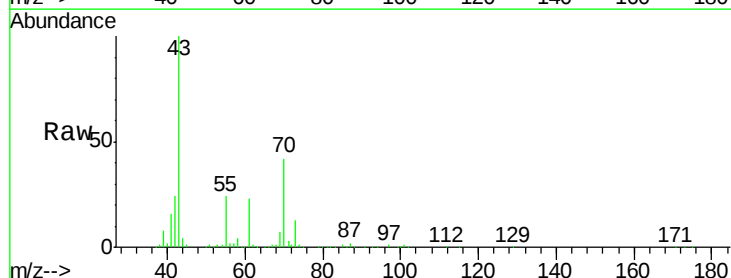
Ion Ratio Lower Upper

43 100

70 42.1 32.2 48.4

55 23.8 20.5 30.7

61 23.7 18.7 28.1

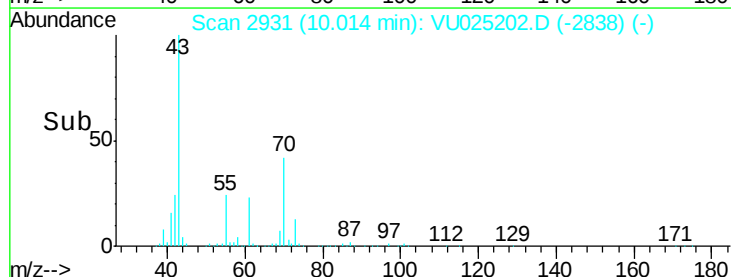
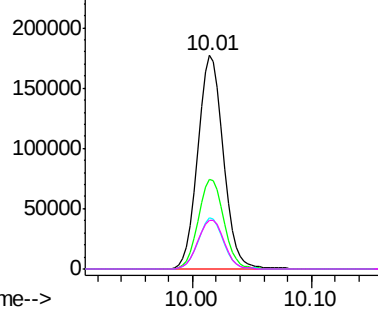


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.741 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

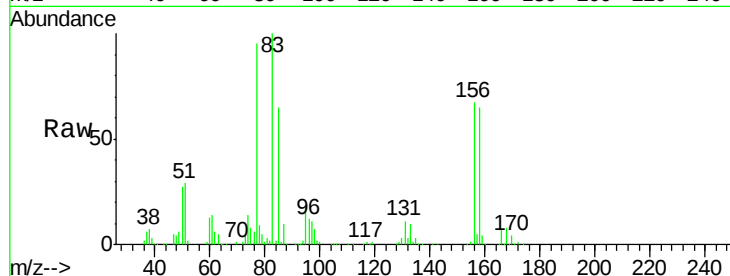
Tot Ion: 83 Resp: 209347

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

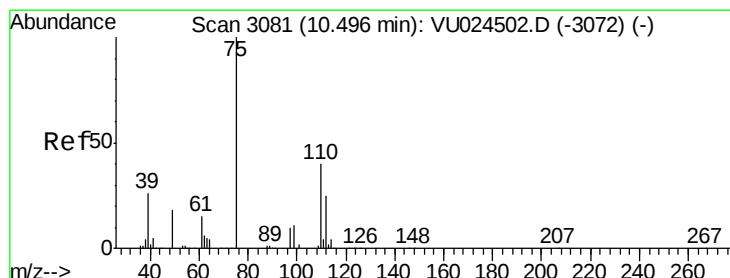
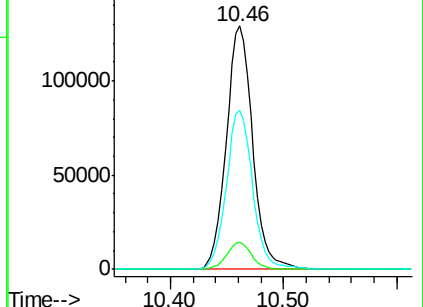
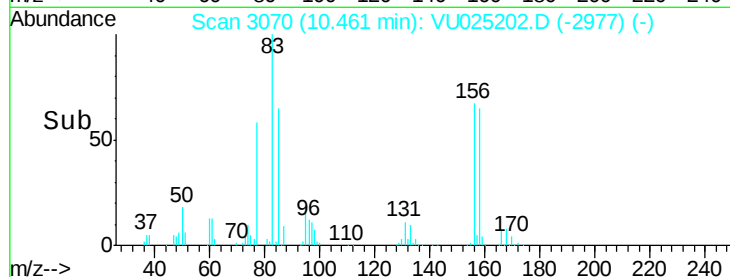
85 65.3 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025202.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025202.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025202.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 76.376 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025202.D

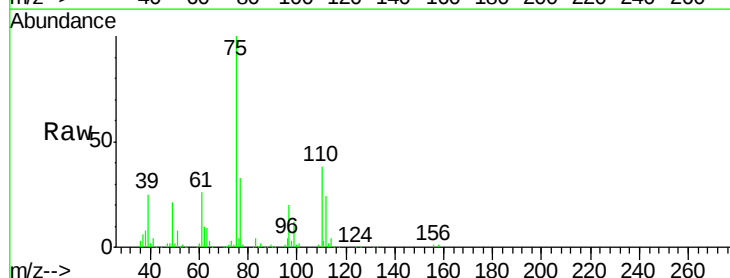
Acq: 03 Jul 2018 20:28

Tgt Ion: 75 Resp: 241139

Ion Ratio Lower Upper

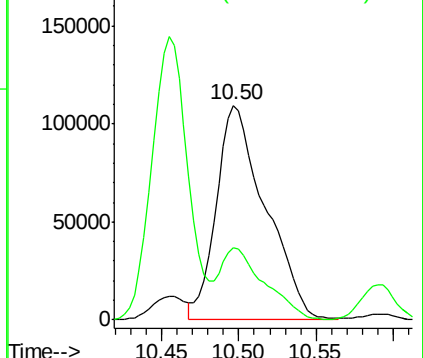
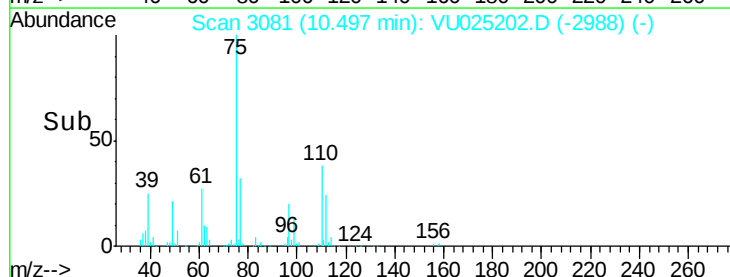
75 100

77 29.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025202.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025202.D (-2988) (-)





#77

Bromobenzene

Concen: 56.139 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

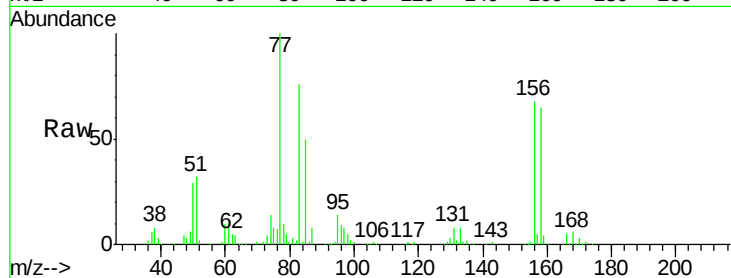
Tot Ion:156 Resp: 156478

Ion Ratio Lower Upper

156 100

77 148.7 80.5 241.3

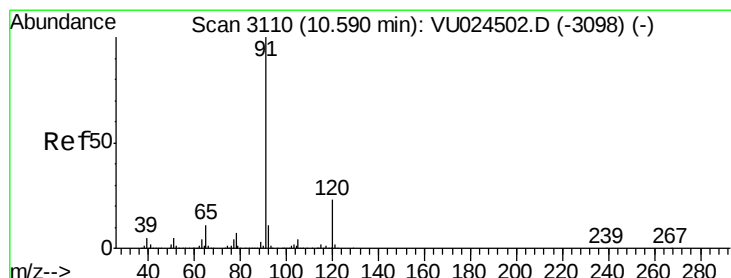
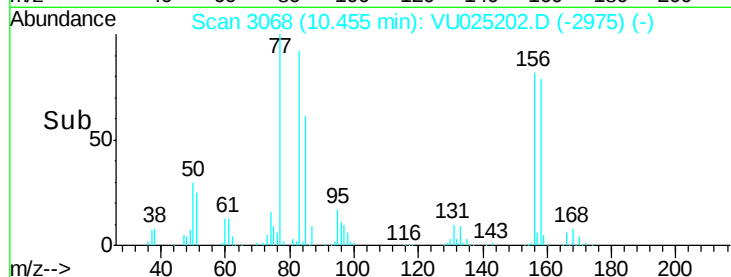
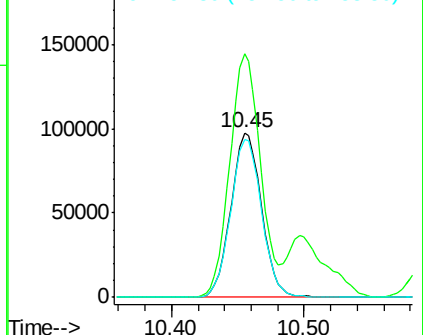
158 97.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.296 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025202.D

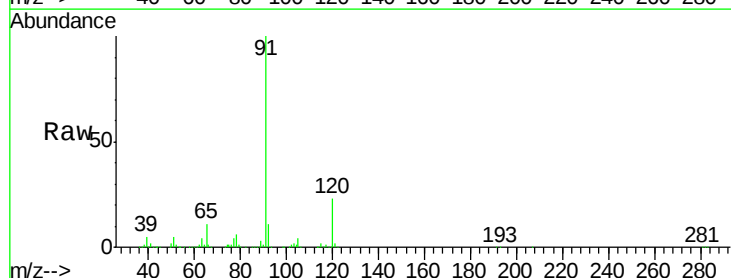
Acq: 03 Jul 2018 20:28

Tgt Ion: 91 Resp: 678271

Ion Ratio Lower Upper

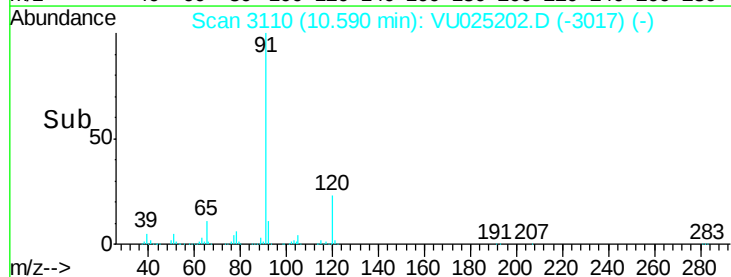
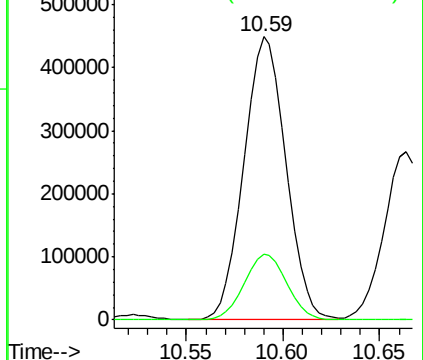
91 100

120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

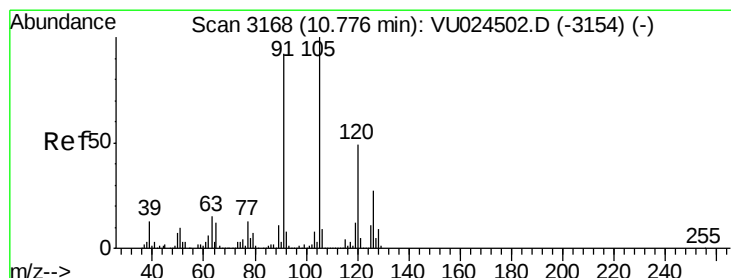
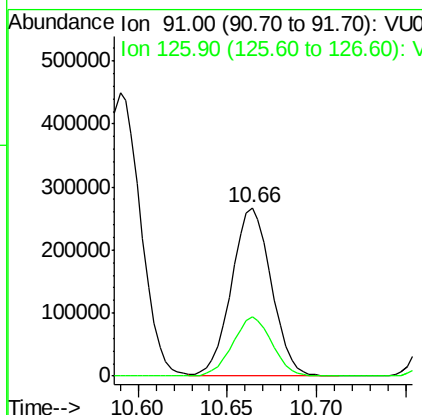
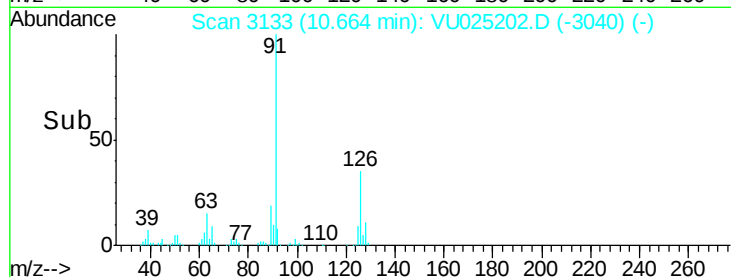
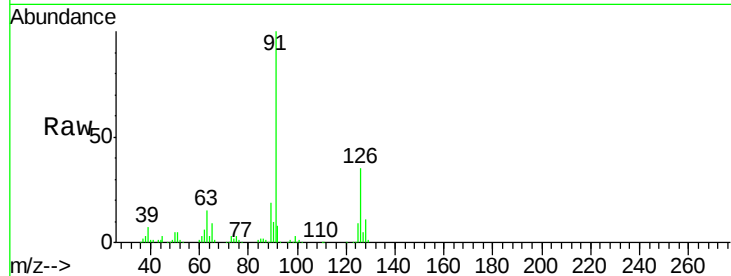




#79
 2-Chlorotoluene
 Concen: 53.976 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

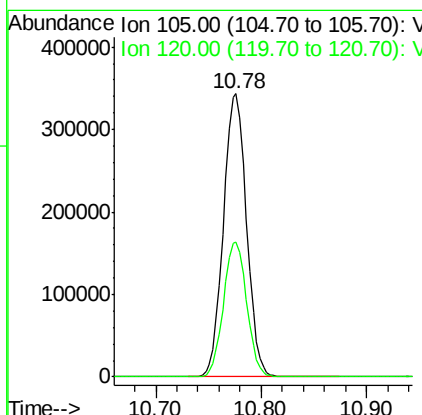
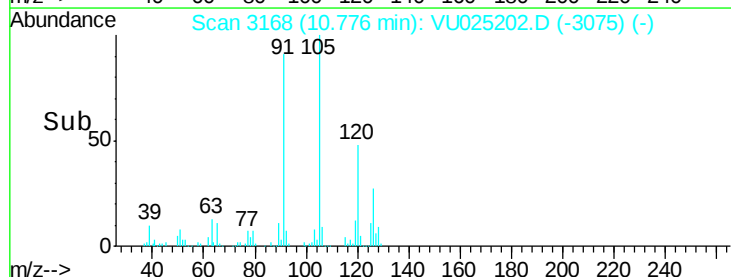
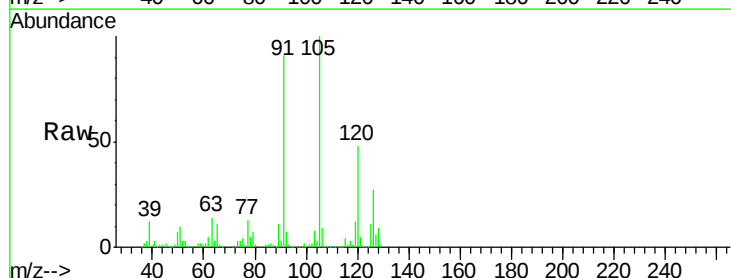
Instrument :
 MSVOA_U
 ClientSampled :

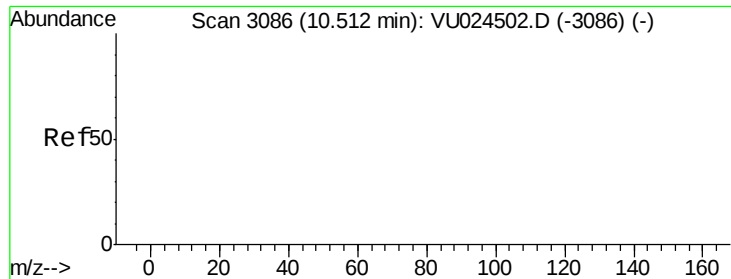
Tot Ion: 91 Resp: 412830
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 54.387 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 105 Resp: 519012
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.2

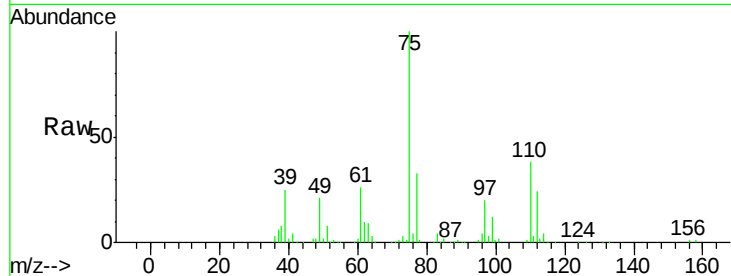




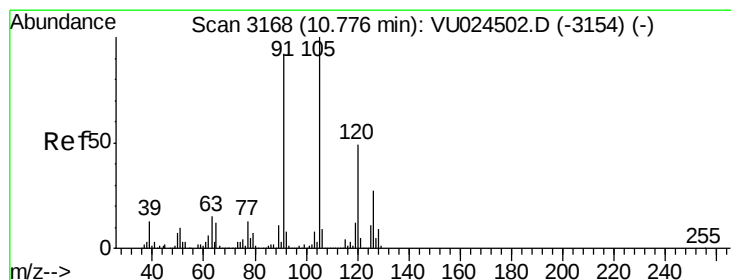
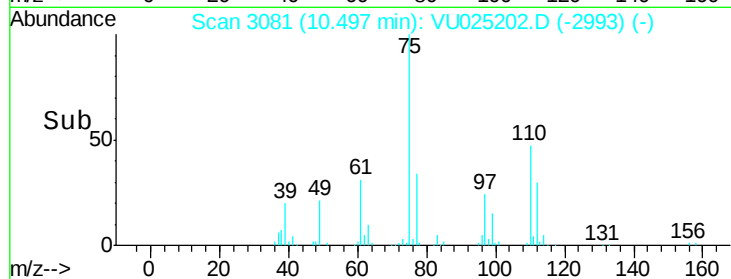
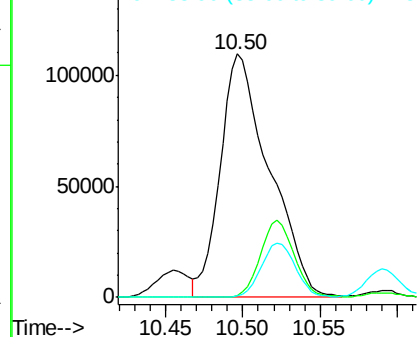
#81
trans-1,4-Dichloro-2-butene
Concen: 176.766 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 241139
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

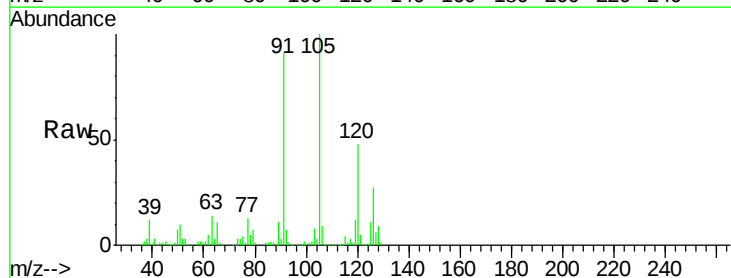


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

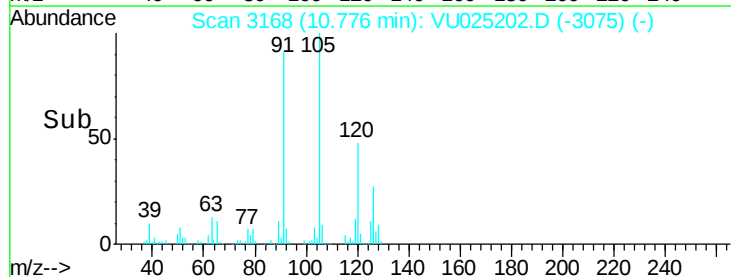
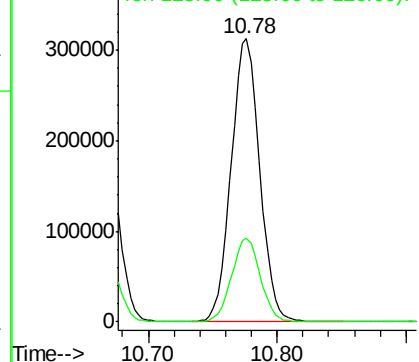


#82
4-Chlorotoluene
Concen: 53.763 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 91 Resp: 478601
Ion Ratio Lower Upper
91 100
126 29.9 14.9 44.9



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

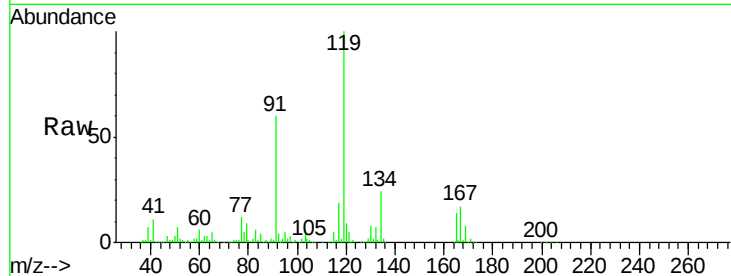




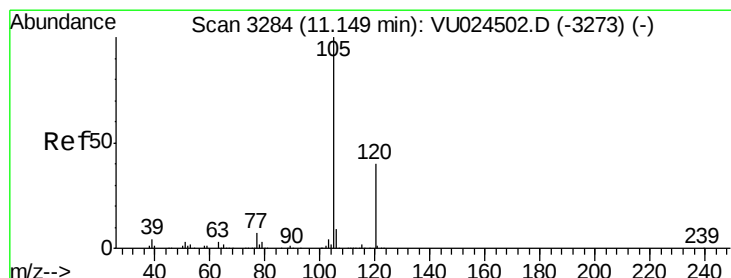
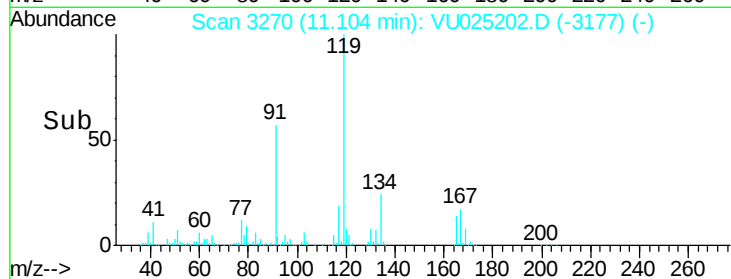
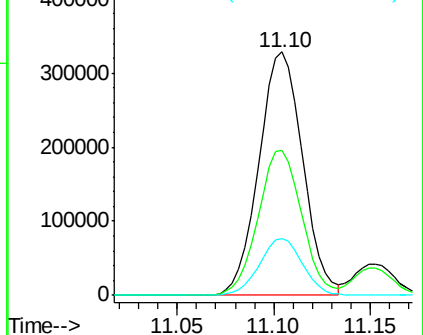
#83
 tert-Butylbenzene
 Concen: 56.280 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 516624
 Ion Ratio Lower Upper
 119 100
 91 59.5 29.7 89.1
 134 23.0 11.6 34.7

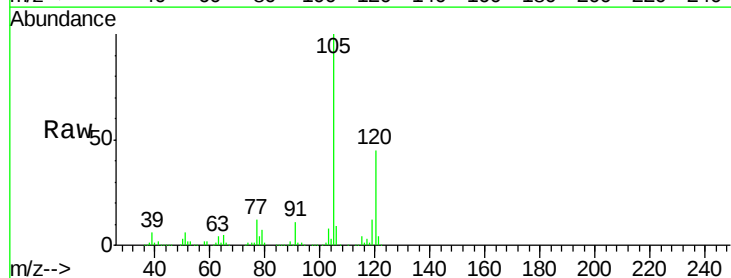


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

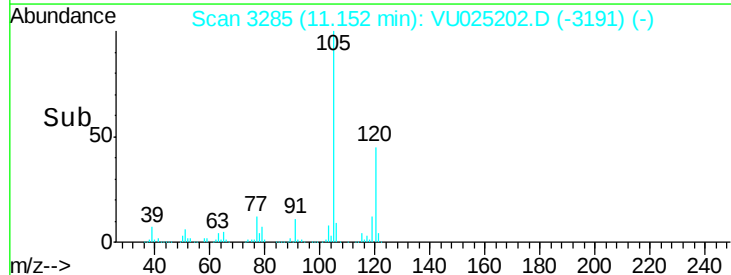
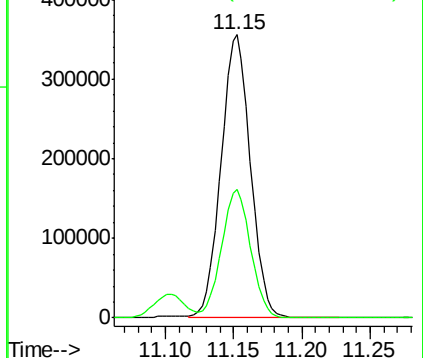


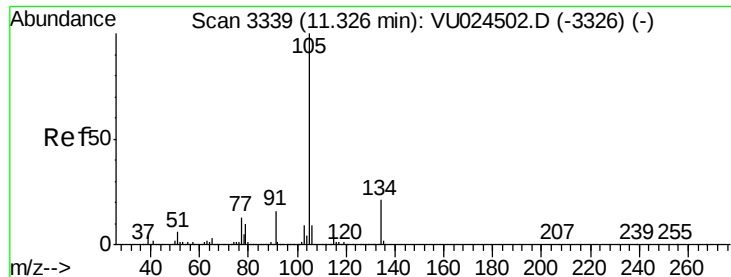
#84
 1,2,4-Trimethylbenzene
 Concen: 54.470 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion:105 Resp: 529730
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.242 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

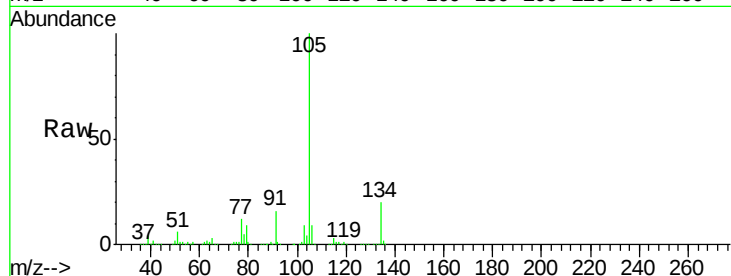
ClientSampled :

Tot Ion:105 Resp: 623258

Ion Ratio Lower Upper

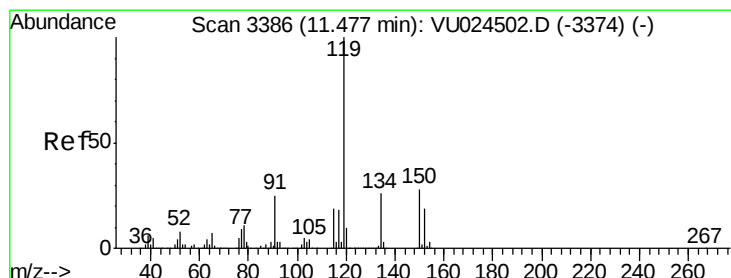
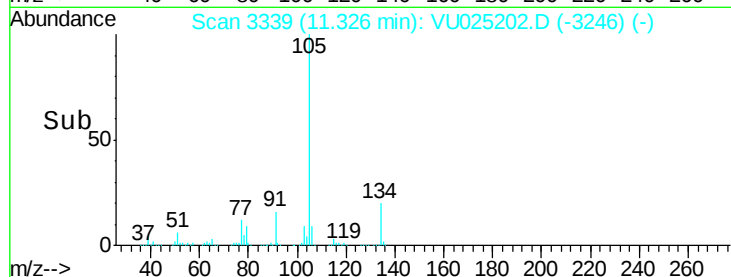
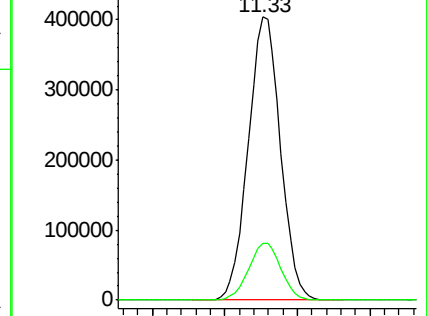
105 100

134 20.2 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: 52.916 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

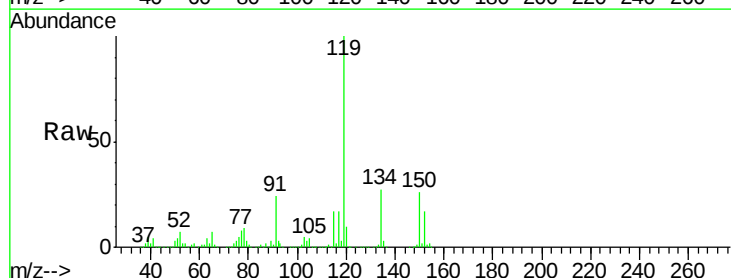
Tgt Ion:119 Resp: 544558

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

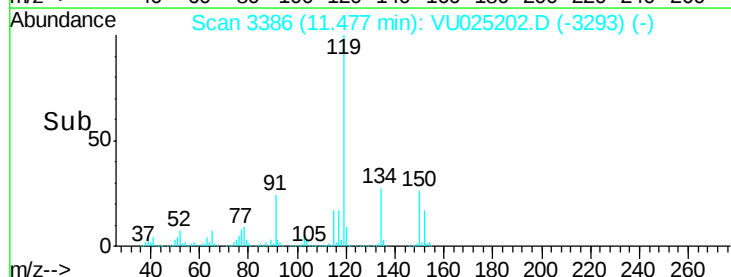
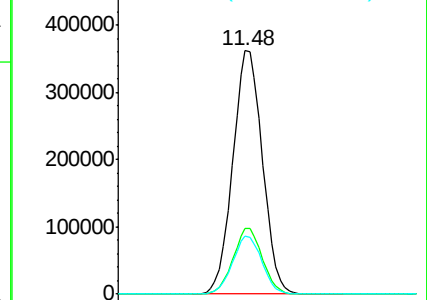
91 23.8 12.0 36.1

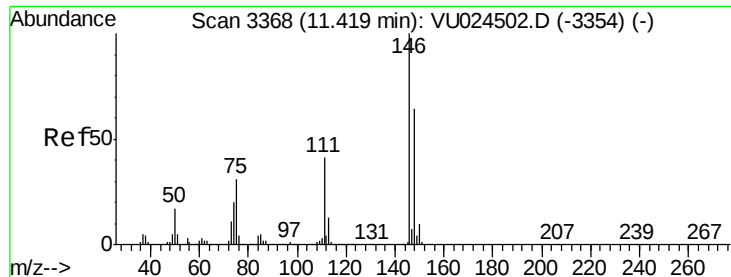


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

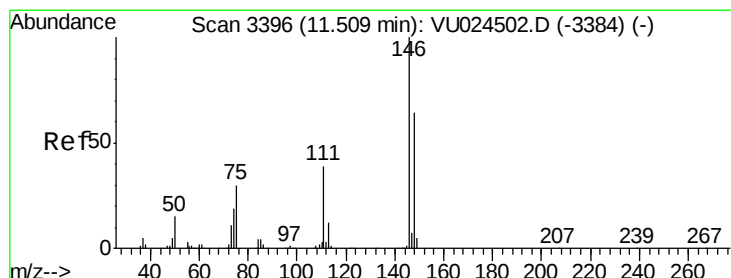
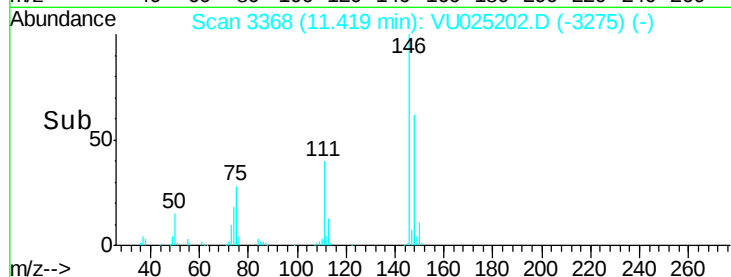
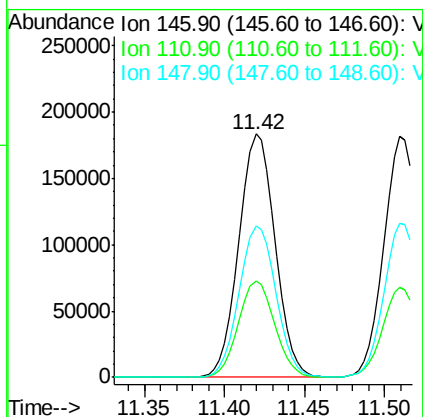
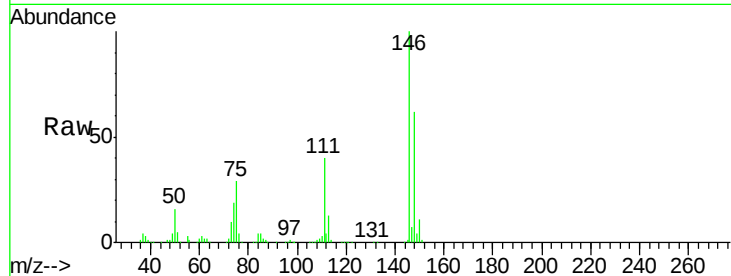




#87
 1,3-Dichlorobenzene
 Concen: 55.002 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

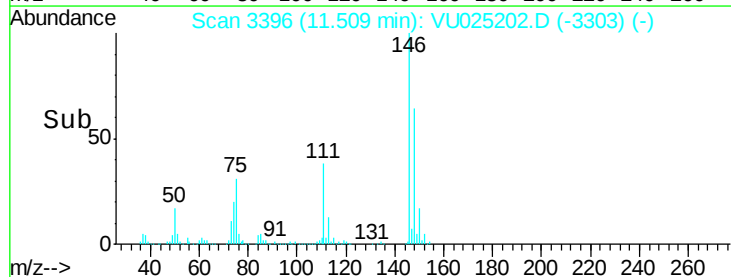
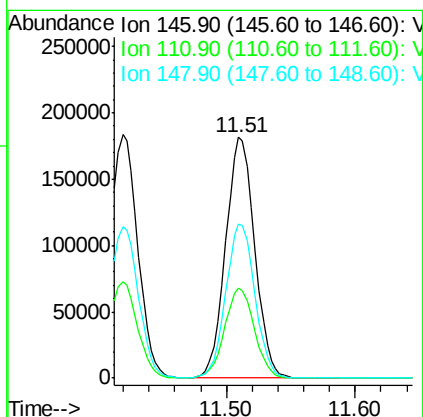
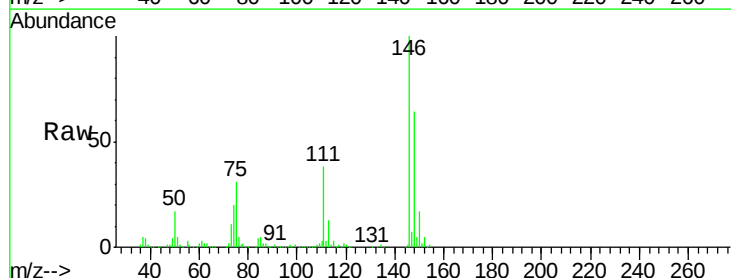
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 54.572 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 48.144 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampled :

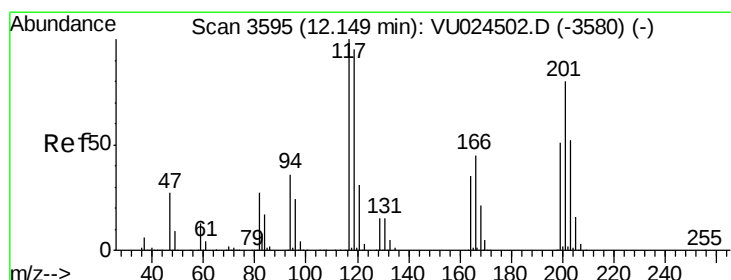
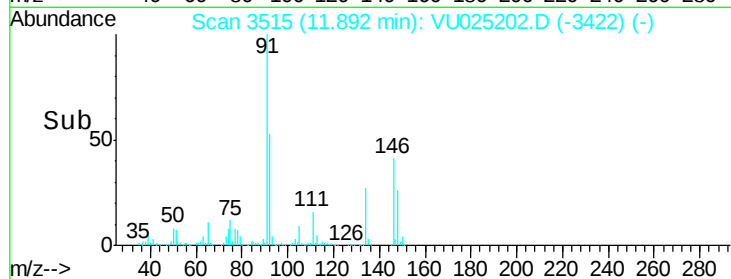
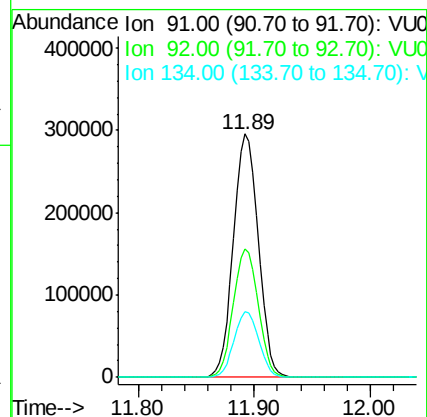
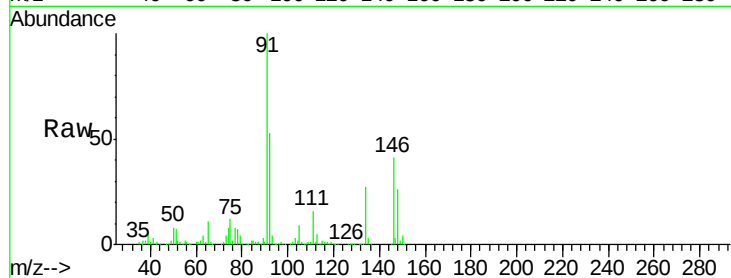
Tot Ion: 91 Resp: 439869

Ion Ratio Lower Upper

91 100

92 52.7 25.6 76.8

134 26.8 12.3 36.8



#90

Hexachloroethane

Concen: 47.925 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025202.D

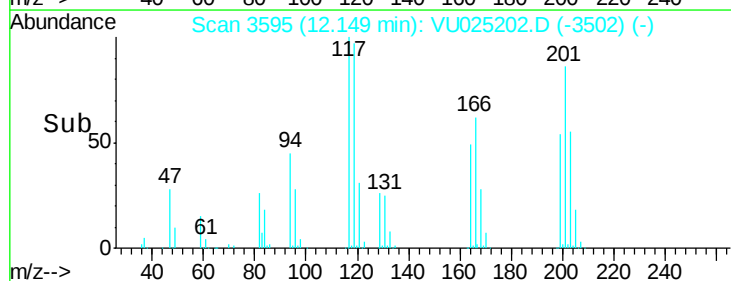
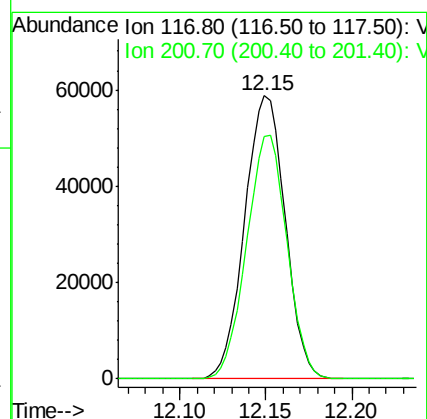
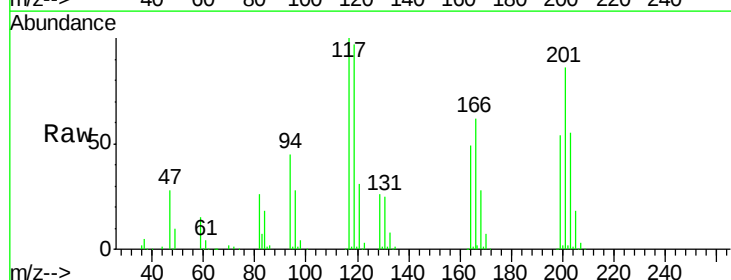
Acq: 03 Jul 2018 20:28

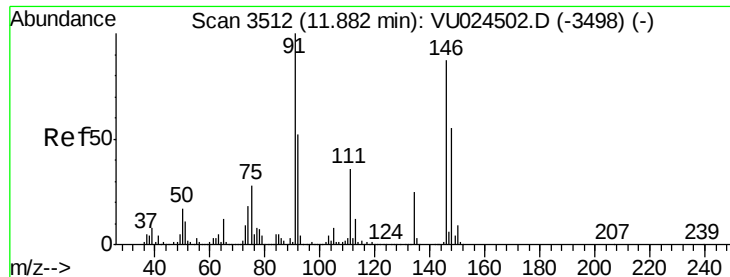
Tgt Ion: 117 Resp: 96211

Ion Ratio Lower Upper

117 100

201 85.4 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 56.627 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampled :

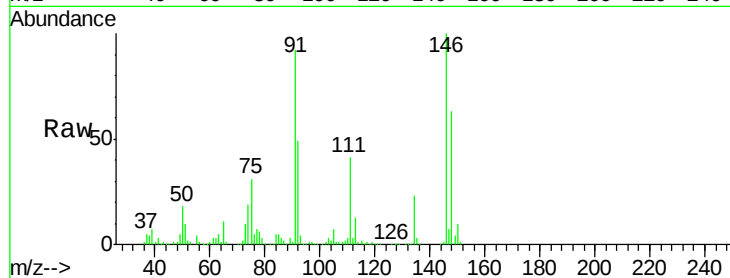
Tot Ion:146 Resp: 292080

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

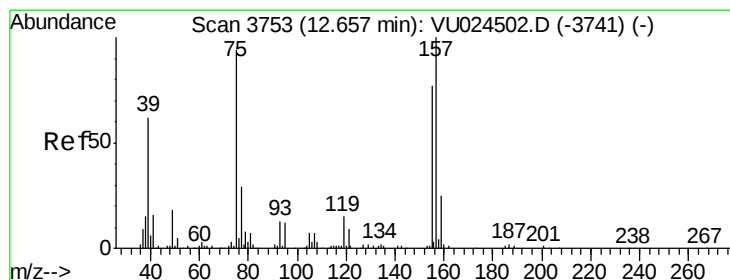
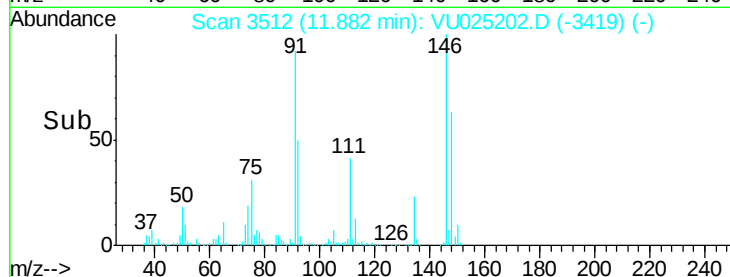
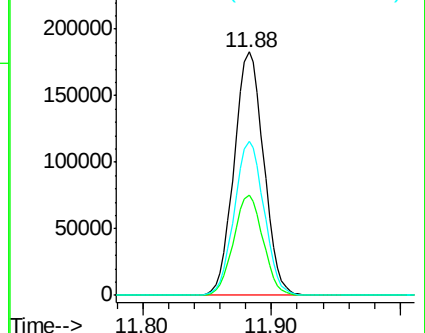
148 63.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.088 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

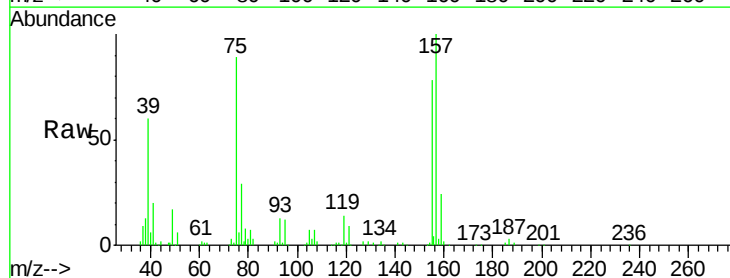
Tgt Ion: 75 Resp: 53028

Ion Ratio Lower Upper

75 100

155 87.4 40.4 121.2

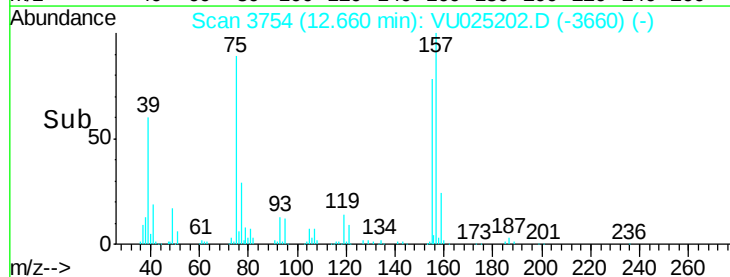
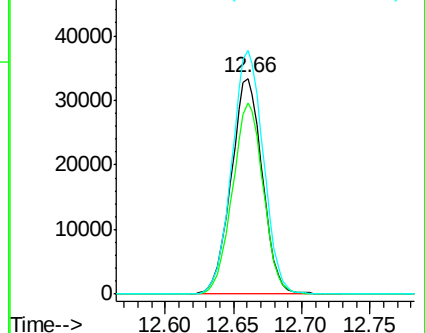
157 114.2 52.3 156.8

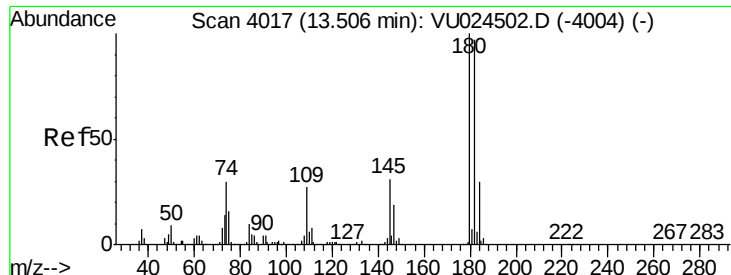


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

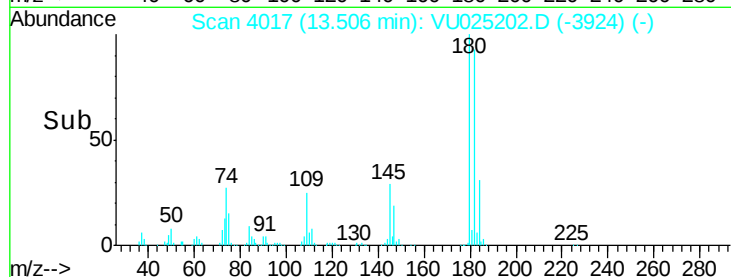
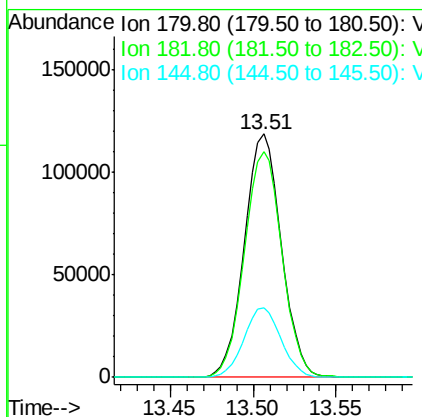
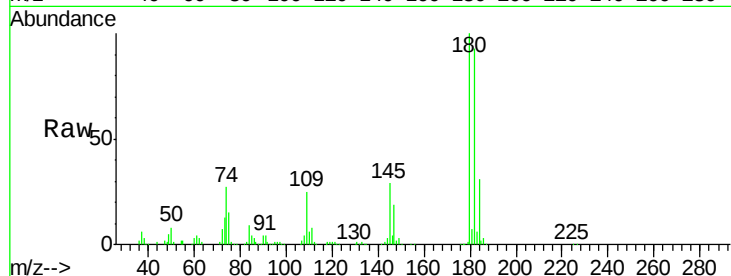




#93
 1,2,4-Trichlorobenzene
 Concen: 57.764 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

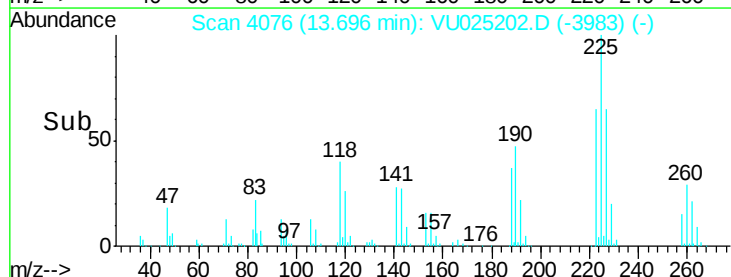
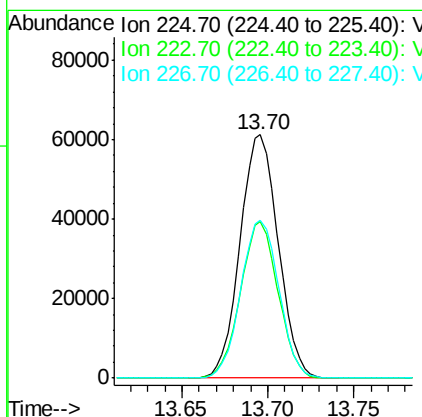
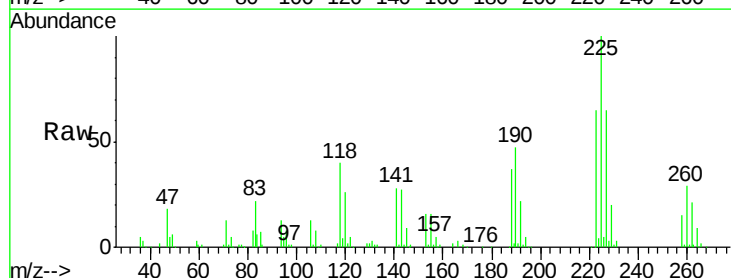
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 183989
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.0 144.2
 145 28.8 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 52.769 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion:225 Resp: 94604
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 64.7 31.8 95.4





#95

Naphthalene

Concen: 59.044 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

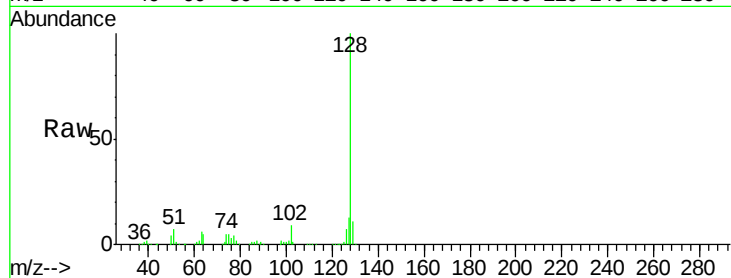
Tot Ion:128 Resp: 623913

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

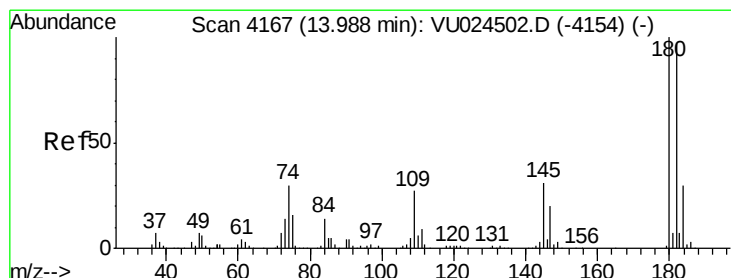
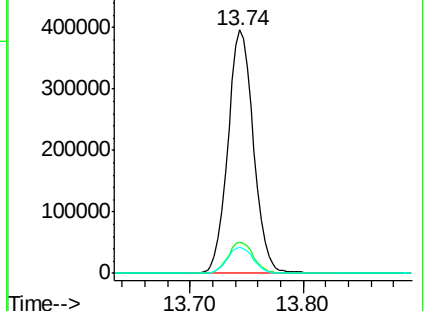
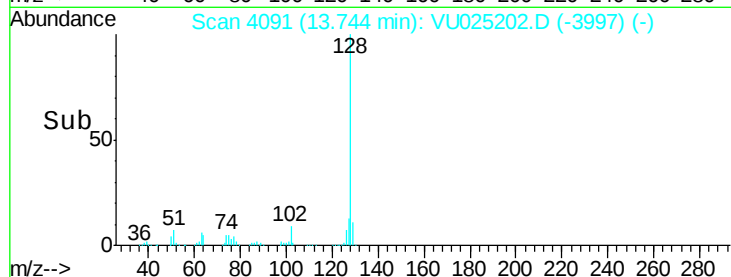
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 60.803 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

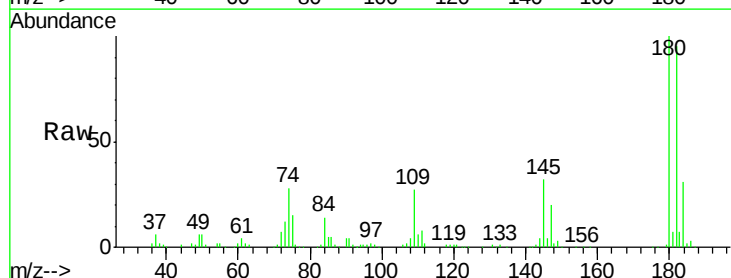
Tgt Ion:180 Resp: 192979

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 31.8 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

