

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025181.D
 Acq On : 03 Jul 2018 09:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 04 04:55:58 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	183826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	268595	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157398	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	133262	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	
35) Dibromofluoromethane	4.88	113	110810	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	7.57	98	355402	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	10.31	95	155577	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	93084	40.455	ug/l	99
3) Chloromethane	1.33	50	95101	40.456	ug/l	99
4) Vinyl Chloride	1.40	62	106306	43.851	ug/l	98
5) Bromomethane	1.61	94	61159	52.186	ug/l	99
6) Chloroethane	1.69	64	68680	50.714	ug/l	99
7) Trichlorofluoromethane	1.88	101	178864	48.346	ug/l	97
8) Diethyl Ether	2.10	74	65500	52.103	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	108103	47.099	ug/l	96
10) Methyl Iodide	2.41	142	110652	56.228	ug/l	97
11) Tert butyl alcohol	2.82	59	159634	218.716	ug/l	100
12) 1,1-Dichloroethene	2.28	96	99119	47.354	ug/l	97
13) Acrolein	2.19	56	55487	144.771	ug/l	99
14) Allyl chloride	2.59	41	173118	44.545	ug/l	99
15) Acrylonitrile	2.93	53	329923	232.333	ug/l	99
16) Acetone	2.32	43	397826	246.724	ug/l	99
17) Carbon Disulfide	2.48	76	272163	40.608	ug/l	99
18) Methyl Acetate	2.61	43	193948	56.107	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	390792	49.668	ug/l	96
20) Methylene Chloride	2.70	84	117601	46.482	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	108953	47.261	ug/l	95
22) Diisopropyl ether	3.57	45	369584	47.972	ug/l	95
23) Vinyl Acetate	3.52	43	1563121	226.495	ug/l	98
24) 1,1-Dichloroethane	3.45	63	211617	47.748	ug/l	99
25) 2-Butanone	4.26	43	511483	236.157	ug/l	97
26) 2,2-Dichloropropane	4.23	77	205105	48.737	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	130332	49.175	ug/l	98
28) Bromochloromethane	4.55	49	82423	42.222	ug/l	84
29) Tetrahydrofuran	4.64	42	302872	225.814	ug/l	97
30) Chloroform	4.68	83	225562	50.282	ug/l	97
31) Cyclohexane	5.00	56	190873	48.435	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	205761	49.602	ug/l	96
36) 1,1-Dichloropropene	5.14	75	163767	51.887	ug/l	98
37) Ethyl Acetate	4.38	43	174976	50.865	ug/l	97
38) Carbon Tetrachloride	5.14	117	183368	52.832	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	205009	52.050	ug/l	94
40) Benzene	5.39	78	462162	51.389	ug/l	100
41) Methacrylonitrile	4.54	41	98894	53.320	ug/l	98
42) 1,2-Dichloroethane	5.41	62	190224	55.535	ug/l	99
43) Isopropyl Acetate	5.54	43	288611	48.537	ug/l	99
44) Trichloroethene	6.19	130	132810	51.889	ug/l	95
45) 1,2-Dichloropropane	6.44	63	124253	51.779	ug/l	98
46) Dibromomethane	6.56	93	89334	53.000	ug/l	94
47) Bromodichloromethane	6.76	83	171265	51.026	ug/l	99
48) Methyl methacrylate	6.62	41	149825	51.745	ug/l	99
49) 1,4-Dioxane	6.61	88	67036	1183.869	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	921309	246.620	ug/l	98
52) Toluene	7.64	92	305528	52.804	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	191377	50.773	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	201140	50.080	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	122488	52.079	ug/l	96
56) Ethyl methacrylate	8.02	69	196201	49.841	ug/l	98
57) 1,3-Dichloropropane	8.25	76	209417	52.782	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	414977	275.161	ug/l	94
59) 2-Hexanone	8.36	43	747009	244.931	ug/l	98
60) Dibromochloromethane	8.48	129	144296	49.199	ug/l	100
61) 1,2-Dibromoethane	8.59	107	134563	51.403	ug/l	97
64) Tetrachloroethene	8.23	164	128510	53.172	ug/l	97
65) Chlorobenzene	9.12	112	347631	53.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	128621	52.121	ug/l	97
67) Ethyl Benzene	9.25	91	612584	53.797	ug/l	99
68) m/p-Xylenes	9.38	106	475594	108.766	ug/l	97
69) o-Xylene	9.78	106	232396	53.703	ug/l	97
70) Styrene	9.80	104	375151	52.753	ug/l	99
71) Bromoform	9.96	173	113456	48.370	ug/l #	99
73) Isopropylbenzene	10.17	105	634916	52.540	ug/l	100
74) N-amyl acetate	10.01	43	258717	45.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	200886	49.607	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	239863	69.218	ug/l	82
77) Bromobenzene	10.45	156	158240	51.724	ug/l	94
78) n-propylbenzene	10.59	91	723260	50.808	ug/l	97
79) 2-Chlorotoluene	10.66	91	430351	51.264	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	546164	52.144	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	239863	160.199	ug/l #	100
82) 4-Chlorotoluene	10.77	91	500834	51.259	ug/l	100
83) tert-Butylbenzene	11.10	119	540671	53.663	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	567083	53.127	ug/l	100
85) sec-Butylbenzene	11.33	105	656467	52.053	ug/l	98
86) p-Isopropyltoluene	11.48	119	590805	52.306	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	296244	52.413	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	302984	53.259	ug/l	98
89) n-Butylbenzene	11.89	91	495330	49.395	ug/l	97
90) Hexachloroethane	12.15	117	101591	46.106	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	303785	53.660	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50651	45.330	ug/l	89

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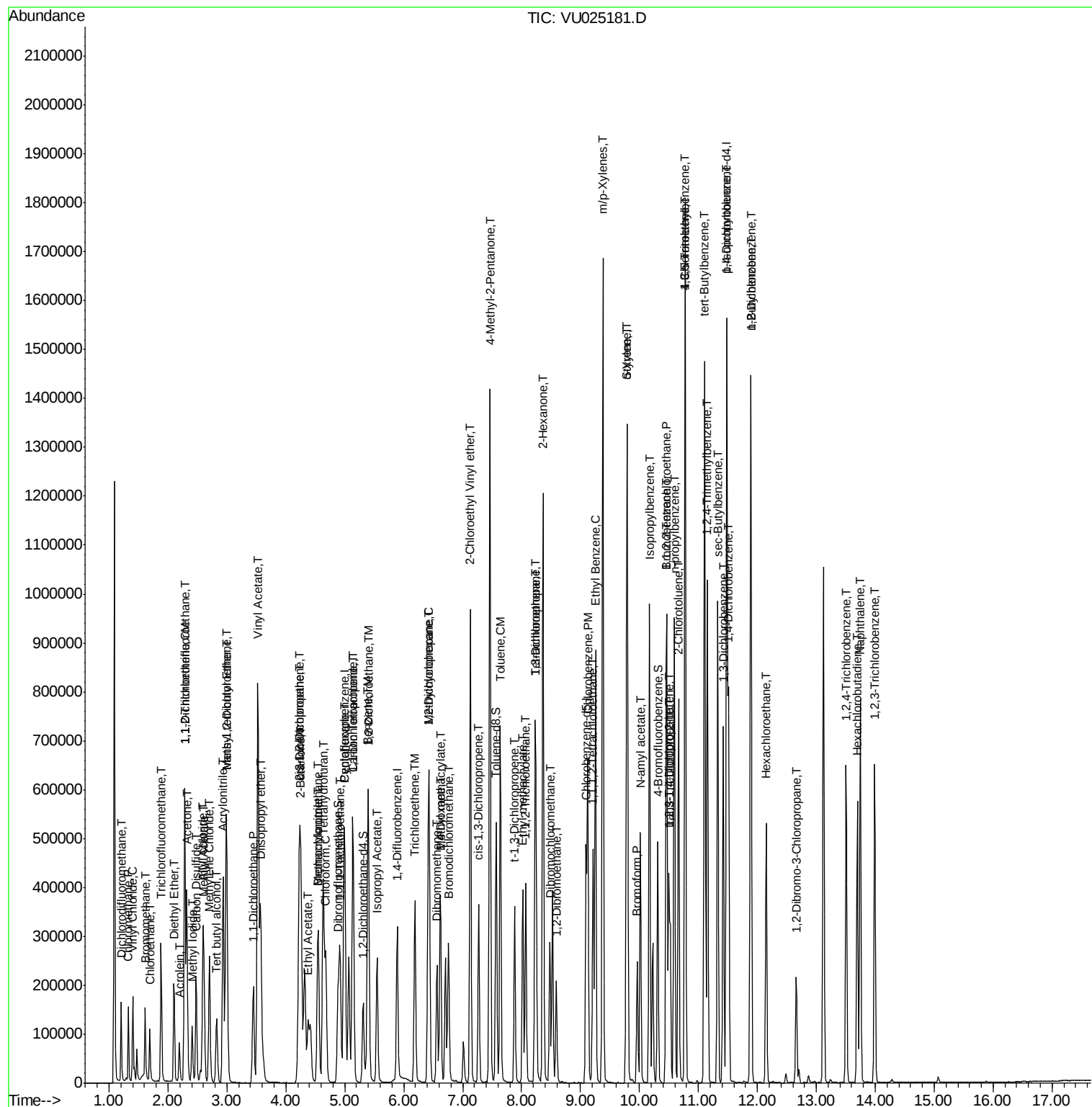
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	198594	56.806	ug/l	99
94) Hexachlorobutadiene	13.70	225	109338	55.566	ug/l	99
95) Naphthalene	13.74	128	615891	53.172	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	205085	58.873	ug/l	99

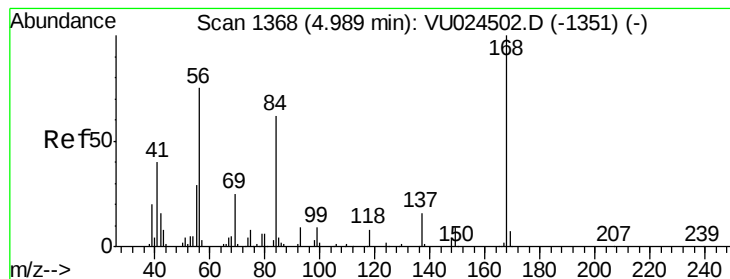
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

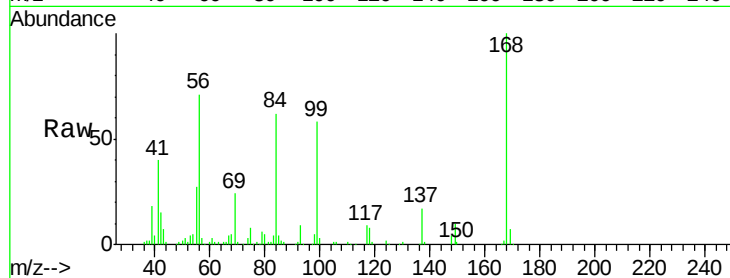
VSTDCCC050

Tot Ion:168 Resp: 183826

Ion Ratio Lower Upper

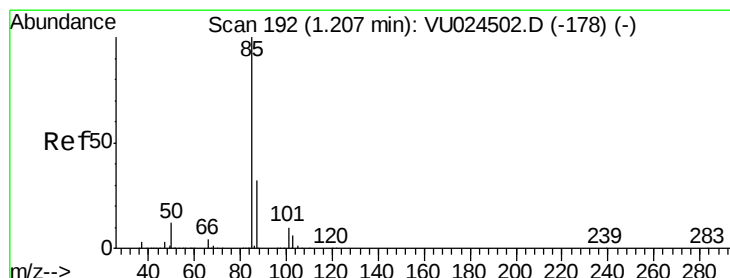
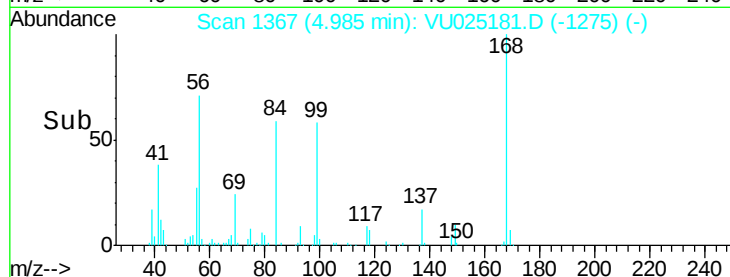
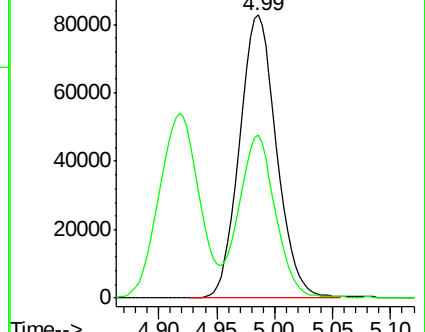
168 100

99 57.2 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU025181.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 40.455 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025181.D

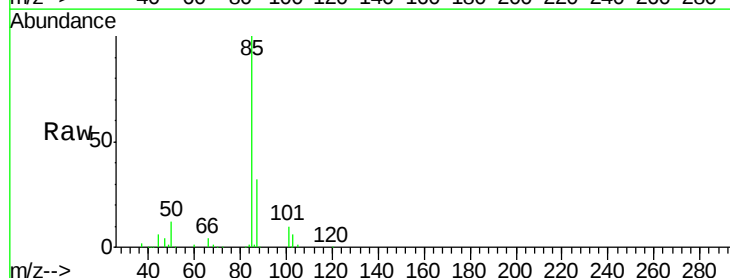
Acq: 03 Jul 2018 09:55

Tgt Ion: 85 Resp: 93084

Ion Ratio Lower Upper

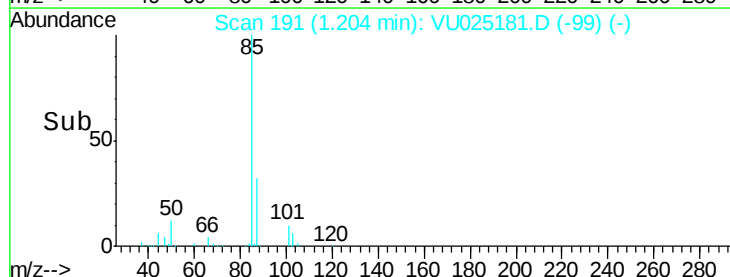
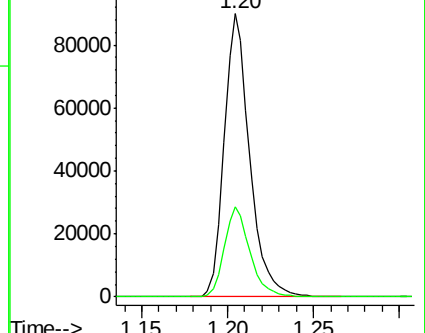
85 100

87 31.6 16.1 48.2



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

Ion 86.90 (86.60 to 87.60): VU025181.D (-99) (-)





#3

Chloromethane

Concen: 40.456 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

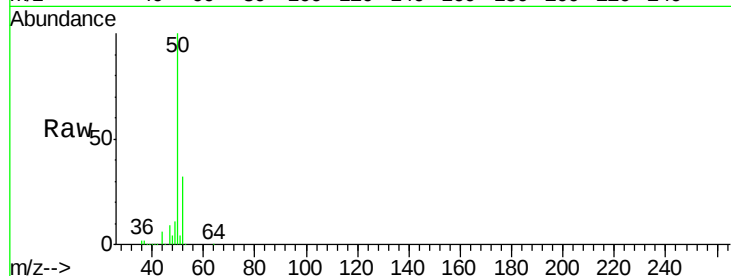
VSTDCCC050

Tot Ion: 50 Resp: 95101

Ion Ratio Lower Upper

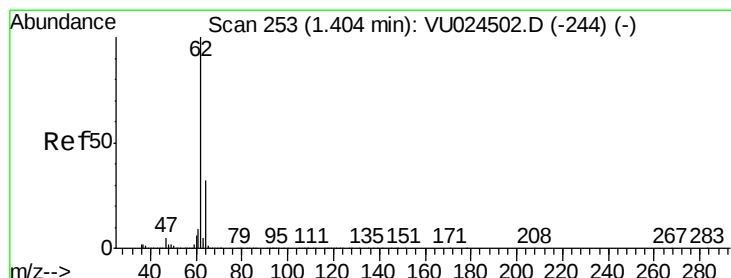
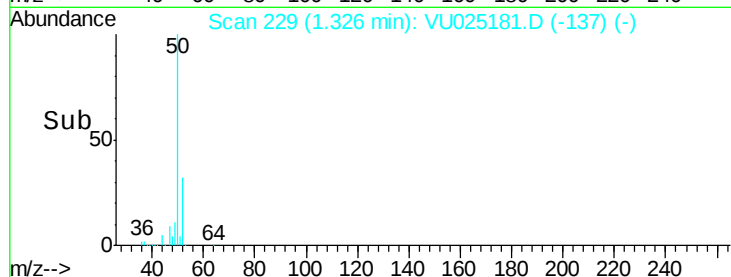
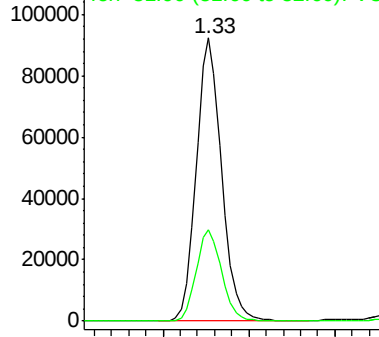
50 100

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: 43.851 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025181.D

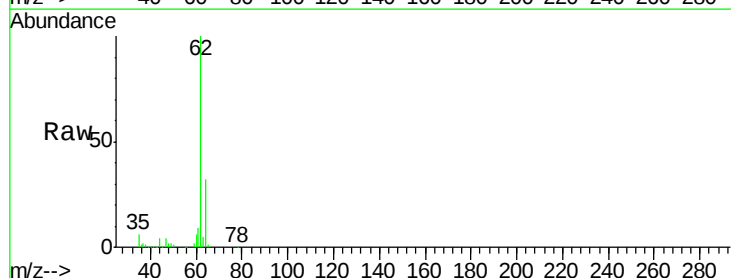
Acq: 03 Jul 2018 09:55

Tgt Ion: 62 Resp: 106306

Ion Ratio Lower Upper

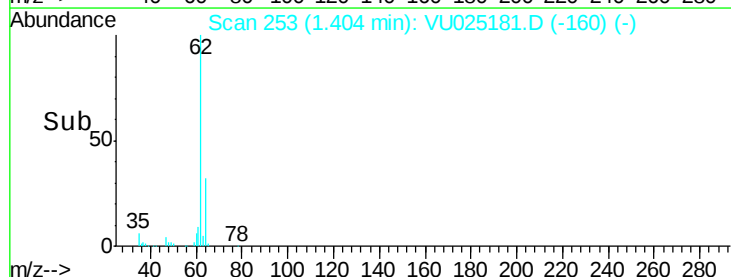
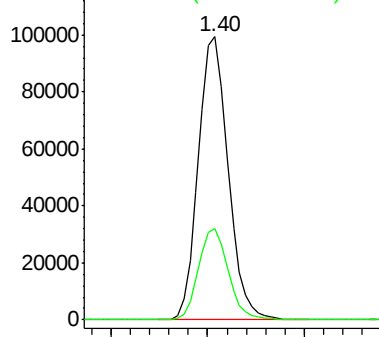
62 100

64 32.3 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: 52.186 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

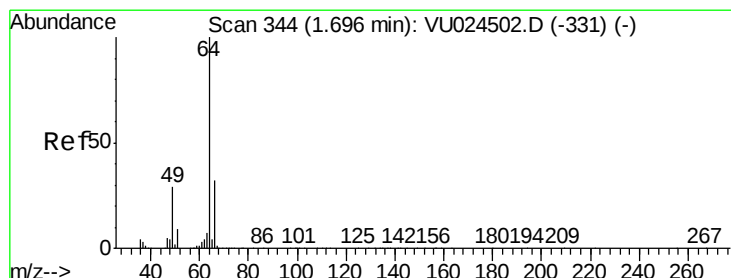
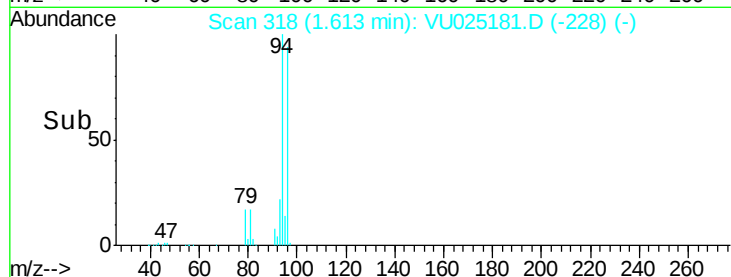
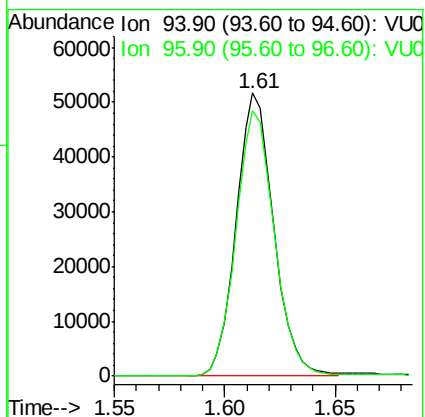
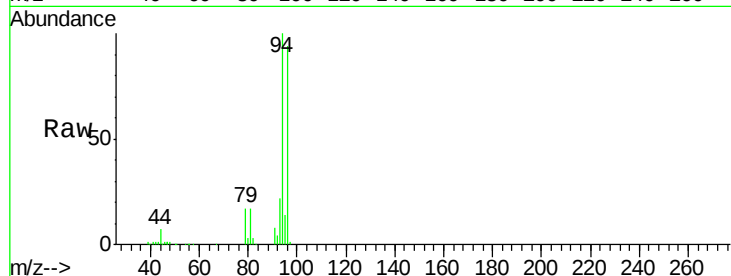
VSTDCCC050

Tot Ion: 94 Resp: 61159

Ion Ratio Lower Upper

94 100

96 93.9 74.5 111.7



#6

Chloroethane

Concen: 50.714 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025181.D

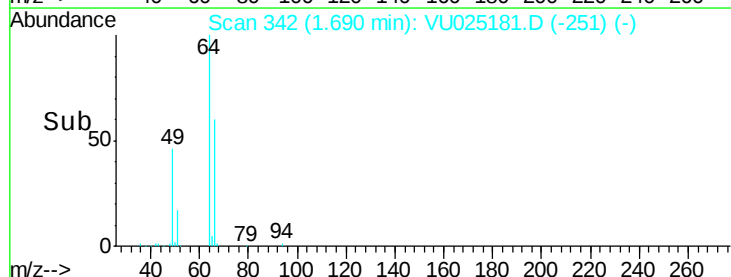
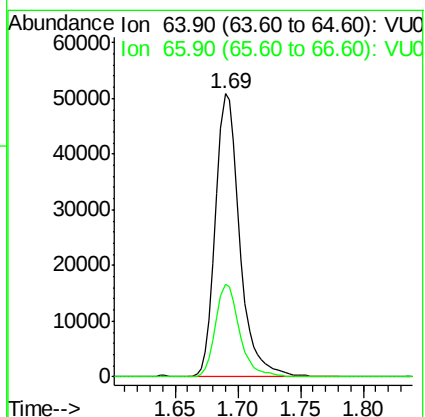
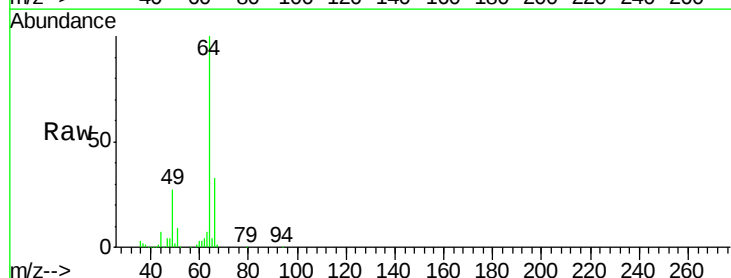
Acq: 03 Jul 2018 09:55

Tgt Ion: 64 Resp: 68680

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



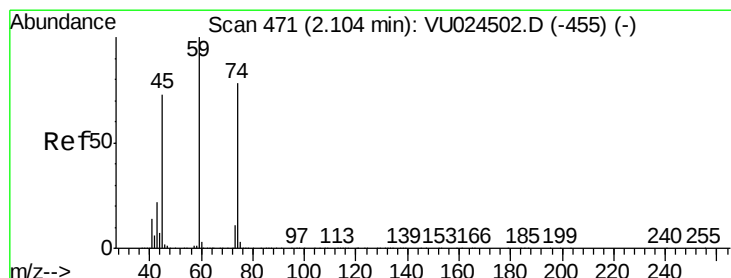
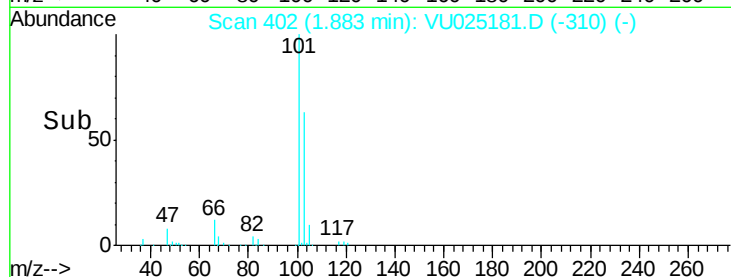
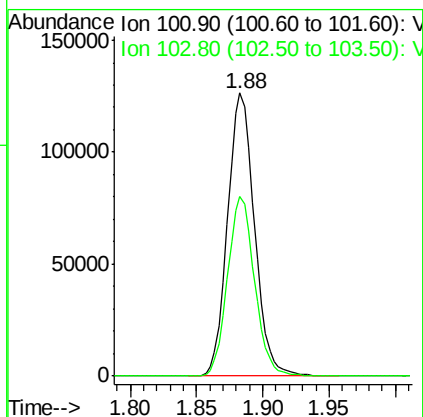
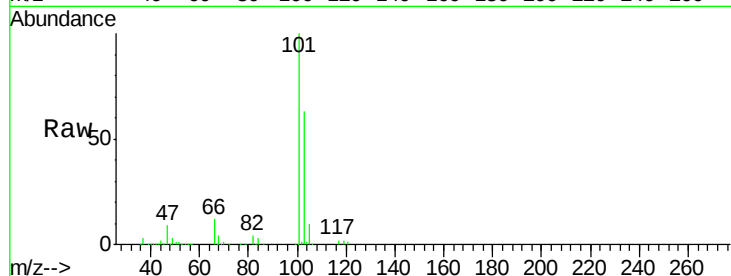


#7

Trichlorofluoromethane
 Concen: 48.346 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

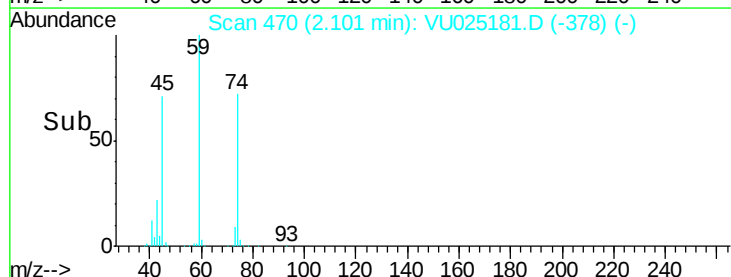
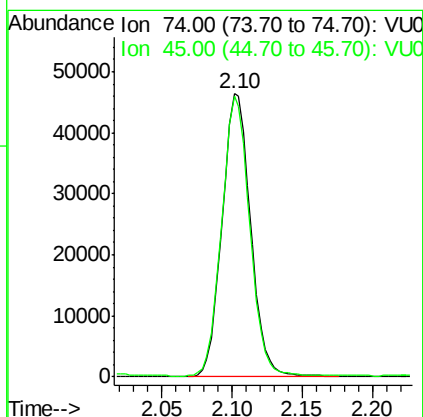
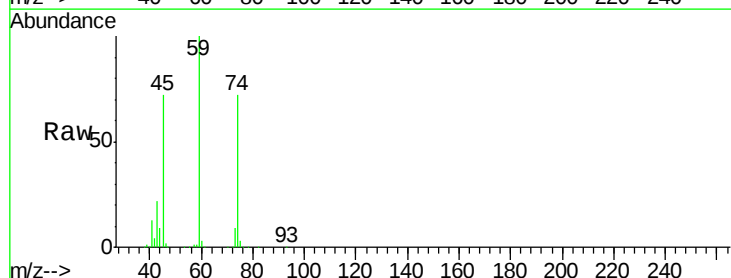
Tot Ion:101 Resp: 178864
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.3 78.5

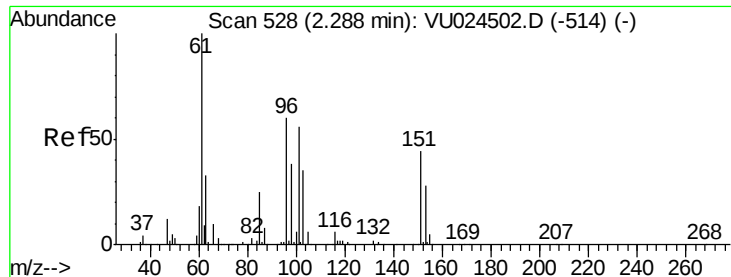


#8

Diethyl Ether
 Concen: 52.103 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion: 74 Resp: 65500
 Ion Ratio Lower Upper
 74 100
 45 96.9 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.099 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

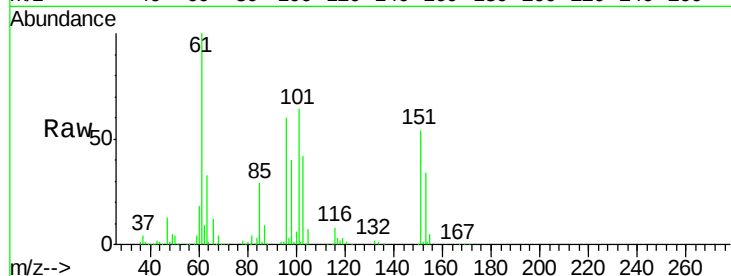
Tot Ion:101 Resp: 108103

Ion Ratio Lower Upper

101 100

85 45.3 36.0 54.0

151 83.1 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V

80000

60000

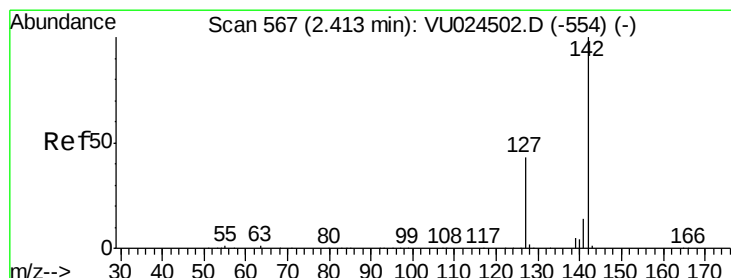
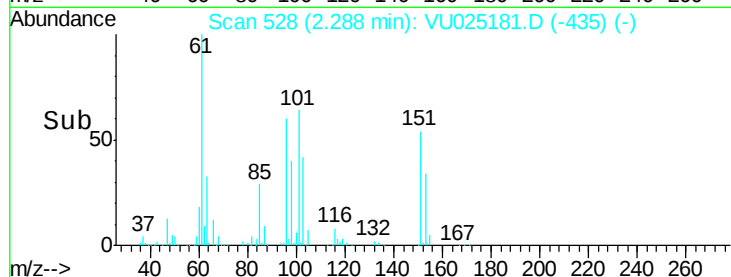
40000

20000

0

Time--> 2.20 2.25 2.30 2.35 2.40

2.29



#10

Methyl Iodide

Concen: 56.228 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

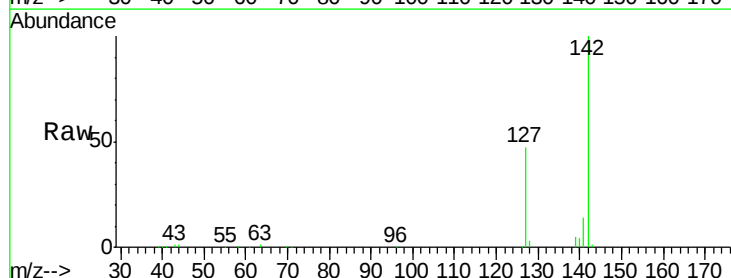
Tgt Ion:142 Resp: 110652

Ion Ratio Lower Upper

142 100

127 47.0 35.6 53.4

141 14.5 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

80000

60000

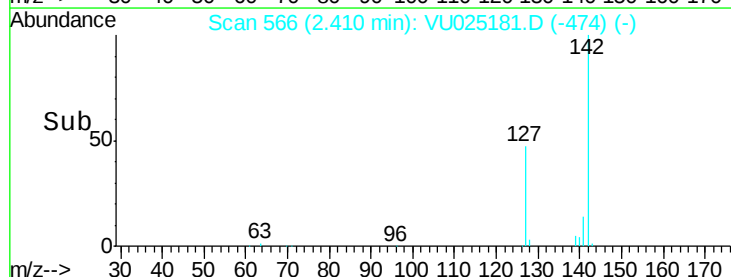
40000

20000

0

Time--> 2.35 2.40 2.45 2.50

2.41



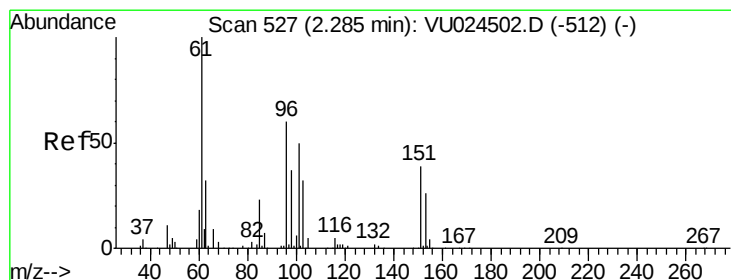
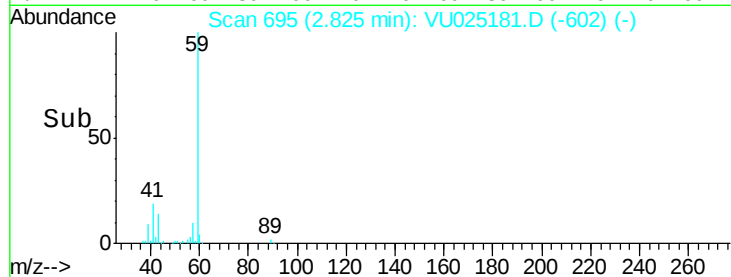
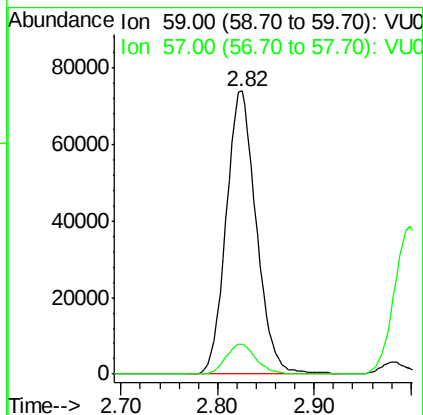
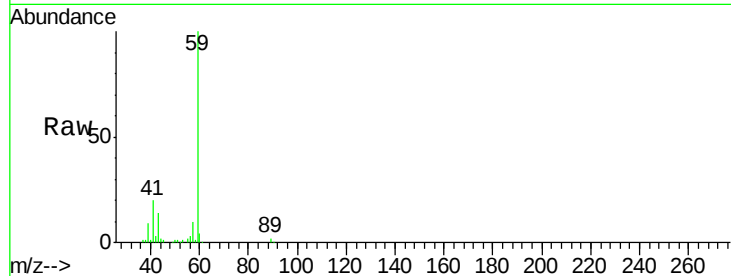


#11

Tert butyl alcohol
 Concen: 218.716 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

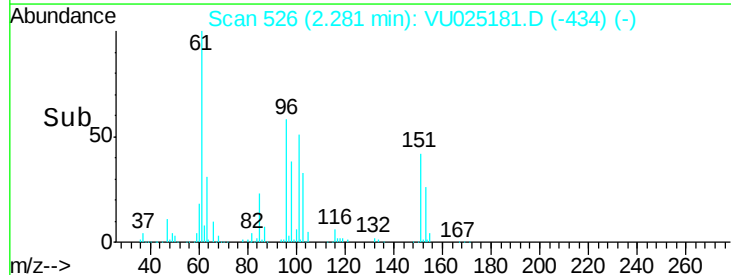
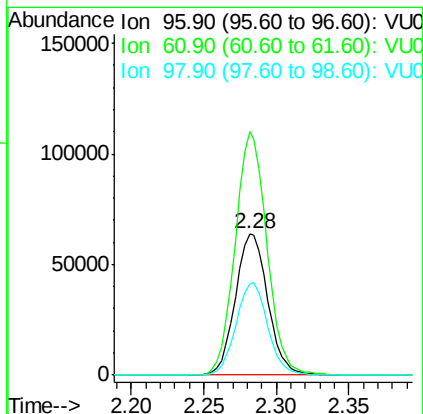
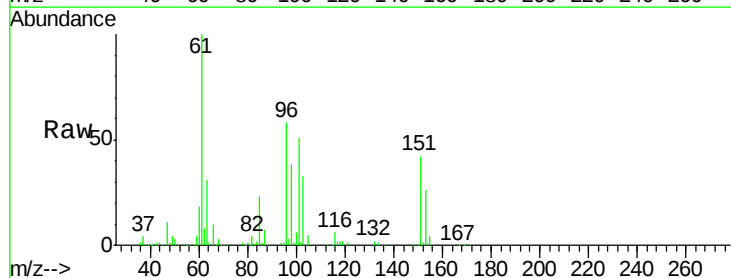
Tot Ion: 59 Resp: 159634
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

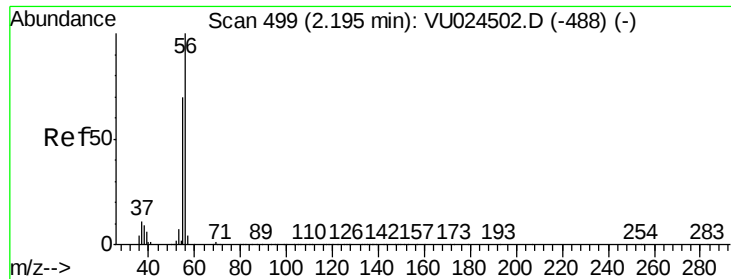


#12

1,1-Dichloroethene
 Concen: 47.354 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion: 96 Resp: 99119
 Ion Ratio Lower Upper
 96 100
 61 172.0 141.7 212.5
 98 64.9 51.6 77.4





#13

Acrolein

Concen: 144.771 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

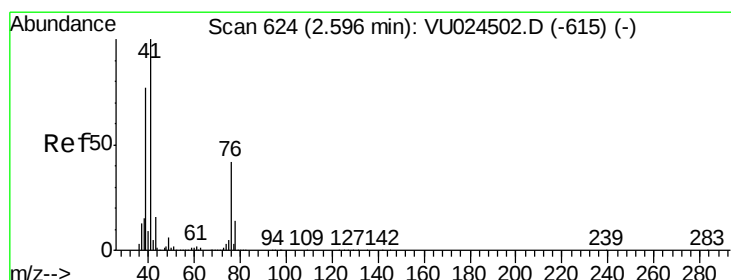
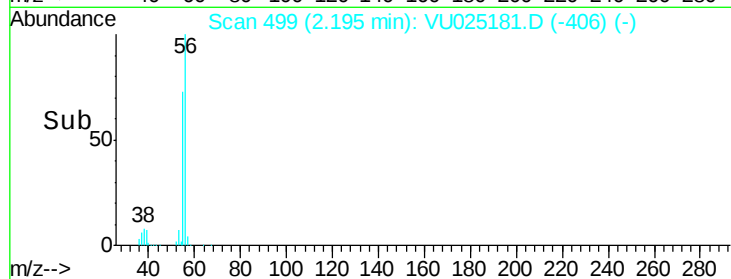
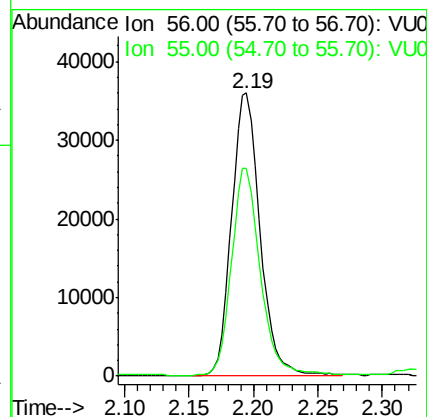
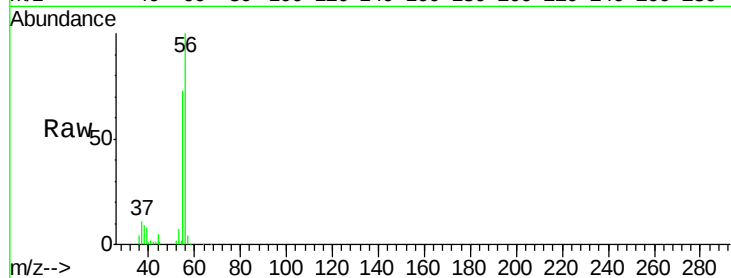
VSTDCCC050

Tot Ion: 56 Resp: 55487

Ion Ratio Lower Upper

56 100

55 73.6 58.4 87.6



#14

Allyl chloride

Concen: 44.545 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

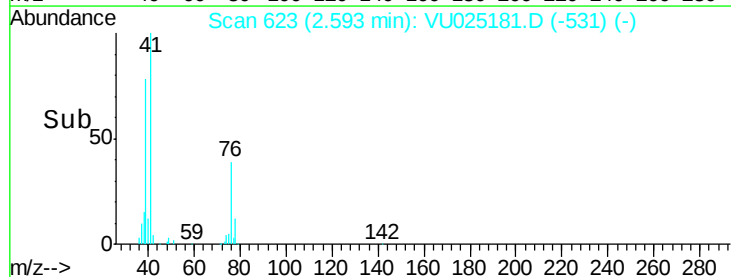
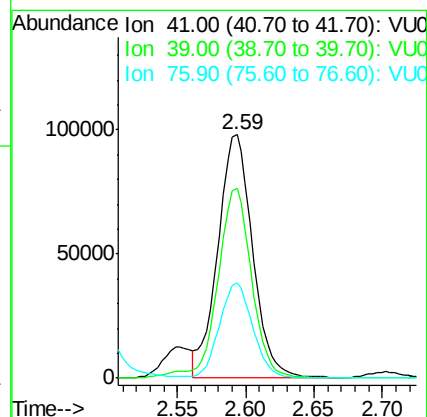
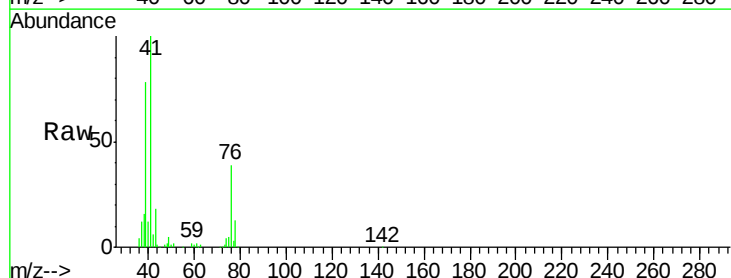
Tgt Ion: 41 Resp: 173118

Ion Ratio Lower Upper

41 100

39 76.7 61.6 92.4

76 37.6 29.7 44.5





#15

Acrylonitrile

Concen: 232.333 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

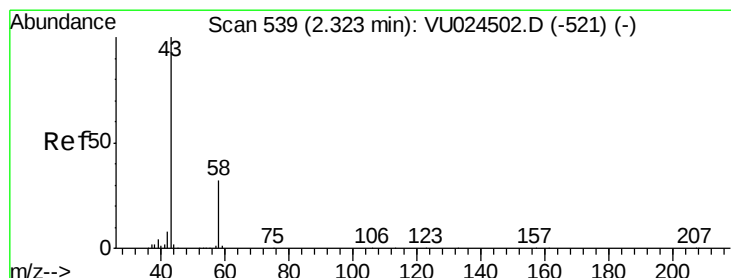
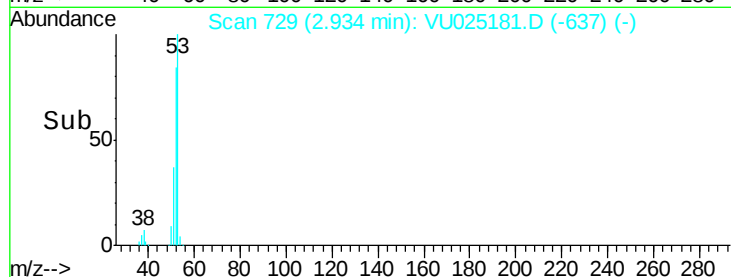
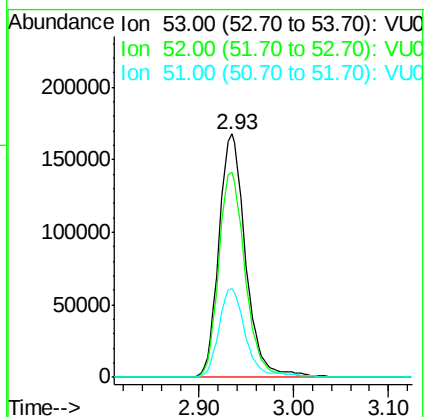
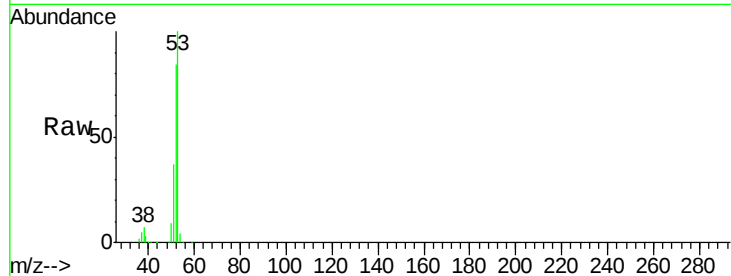
Tot Ion: 53 Resp: 329923

Ion Ratio Lower Upper

53 100

52 83.6 67.1 100.7

51 36.8 28.4 42.6



#16

Acetone

Concen: 246.724 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025181.D

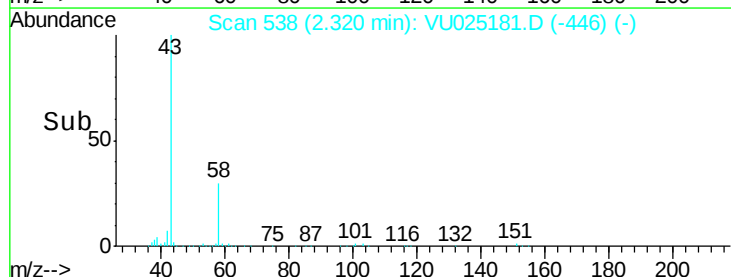
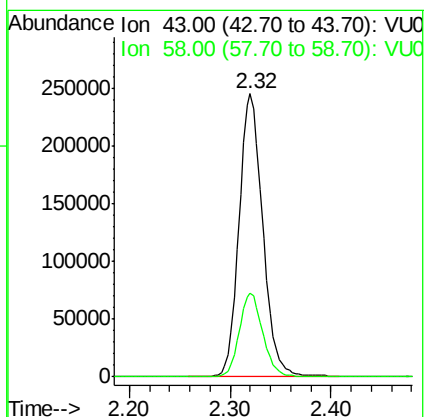
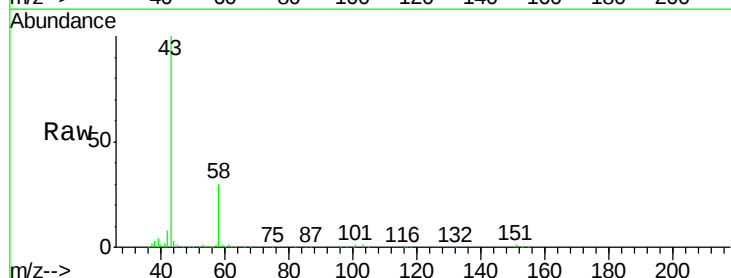
Acq: 03 Jul 2018 09:55

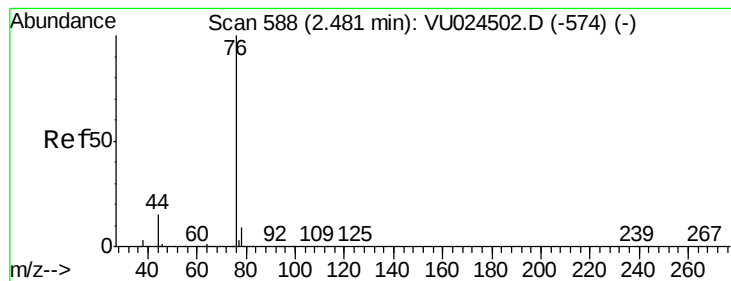
Tgt Ion: 43 Resp: 397826

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6





#17

Carbon Disulfide

Concen: 40.608 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

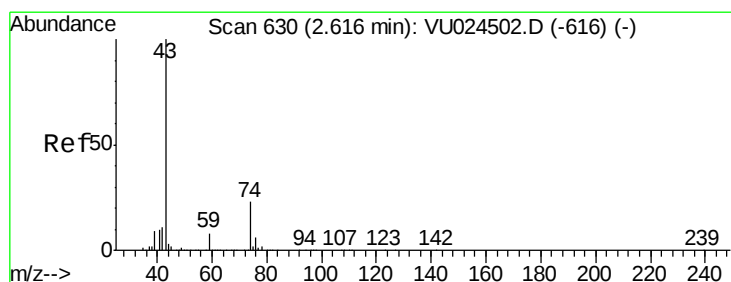
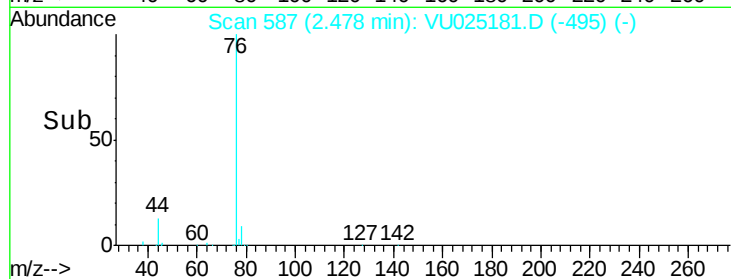
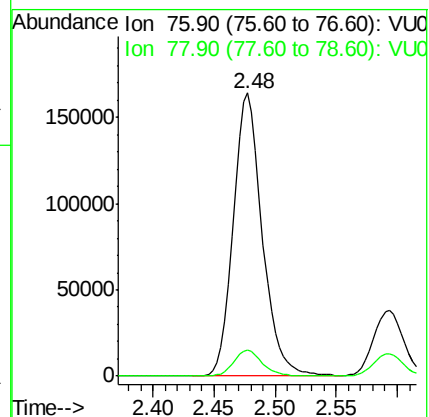
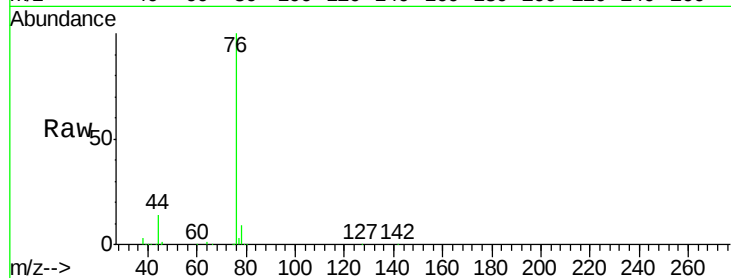
VSTDCCC050

Tot Ion: 76 Resp: 272163

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 56.107 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU025181.D

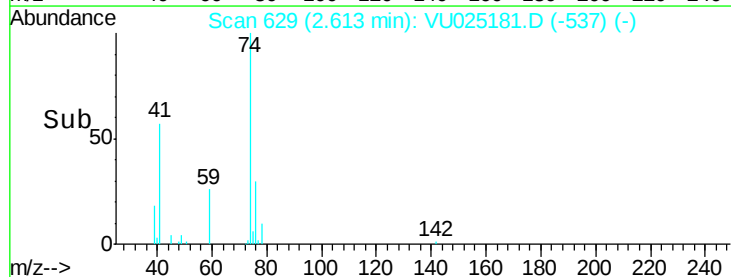
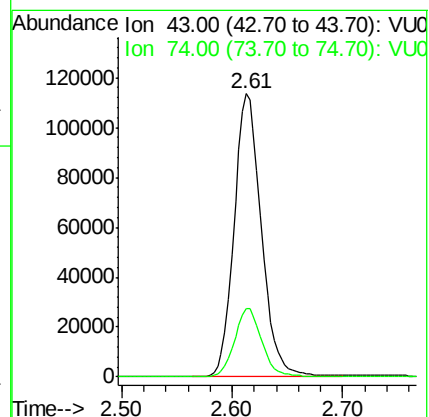
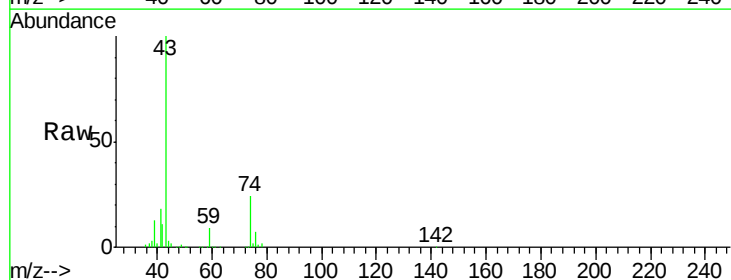
Acq: 03 Jul 2018 09:55

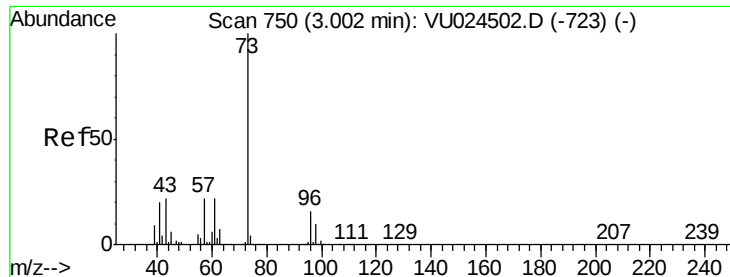
Tgt Ion: 43 Resp: 193948

Ion Ratio Lower Upper

43 100

74 24.5 18.0 27.0



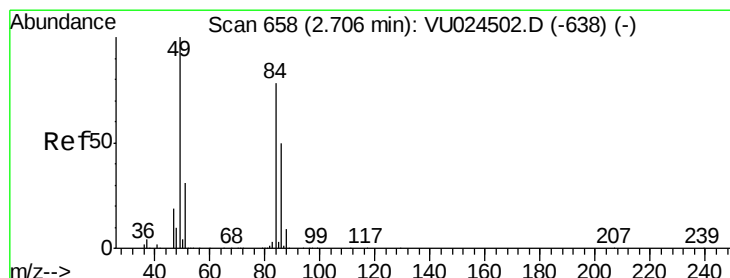
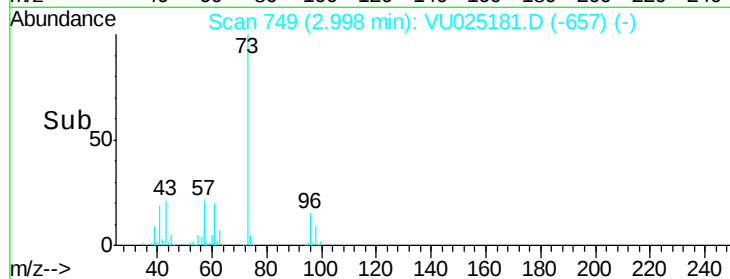
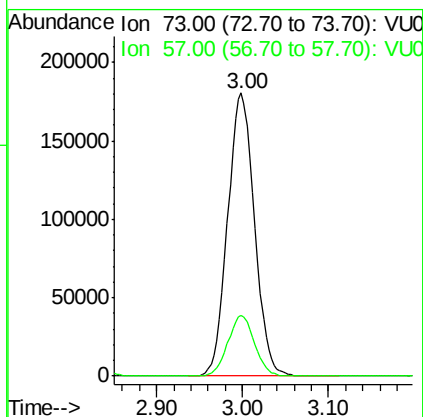
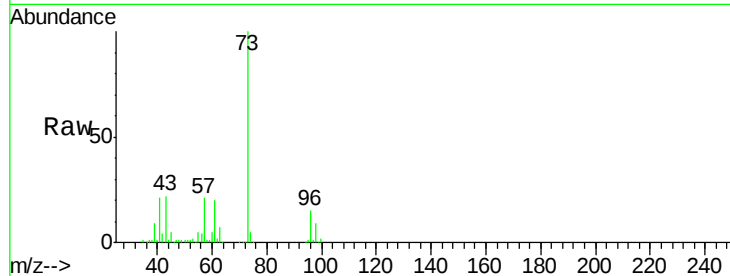


#19

Methyl tert-butyl Ether
 Concen: 49.668 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

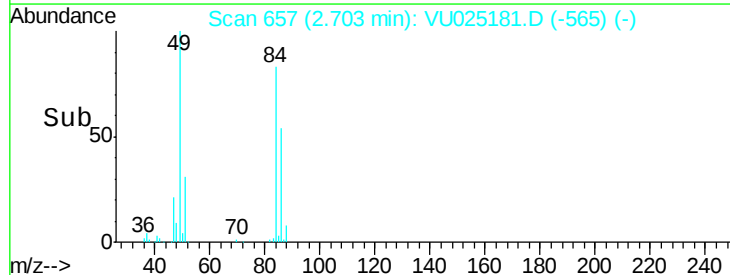
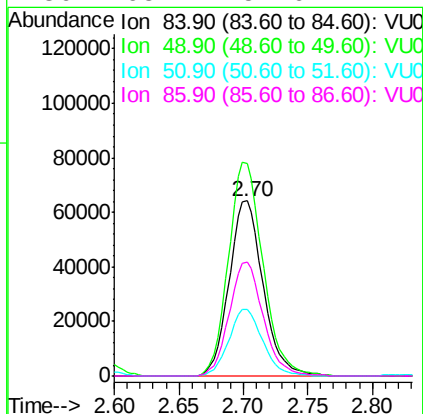
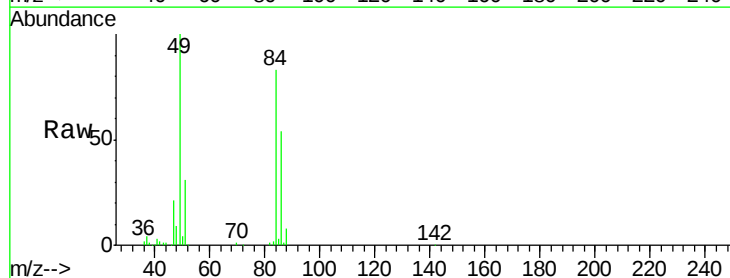
Tot Ion: 73 Resp: 390792
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.8 28.2



#20

Methylene Chloride
 Concen: 46.482 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion: 84 Resp: 117601
 Ion Ratio Lower Upper
 84 100
 49 121.2 103.8 155.8
 51 38.0 32.0 48.0
 86 65.2 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.261 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

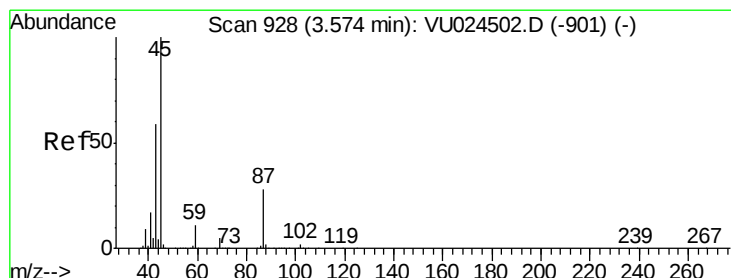
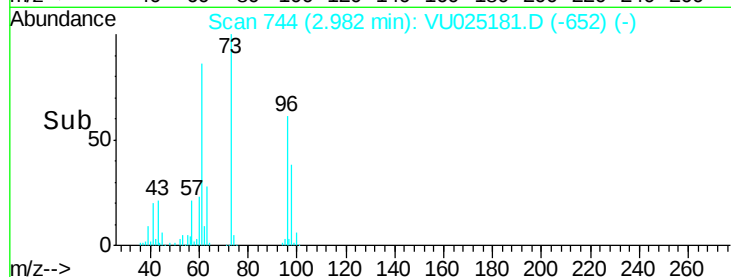
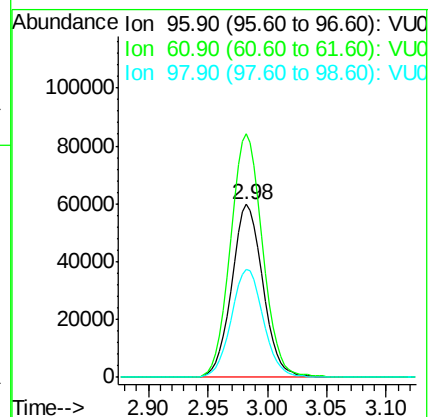
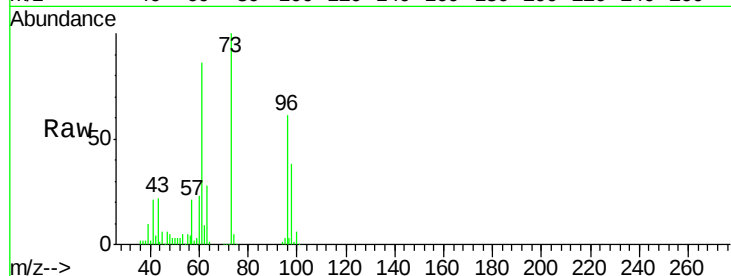
Tot Ion: 96 Resp: 108953

Ion Ratio Lower Upper

96 100

61 140.8 119.4 179.0

98 62.6 51.1 76.7



#22

Diisopropyl ether

Concen: 47.972 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Tgt Ion: 45 Resp: 369584

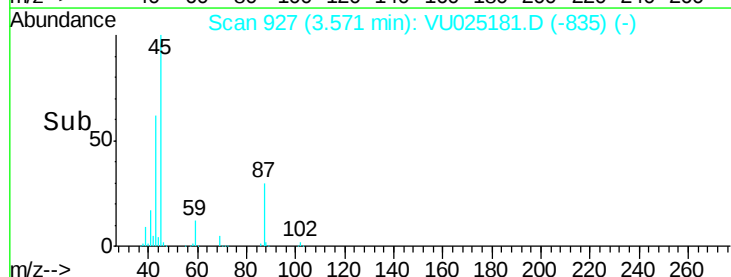
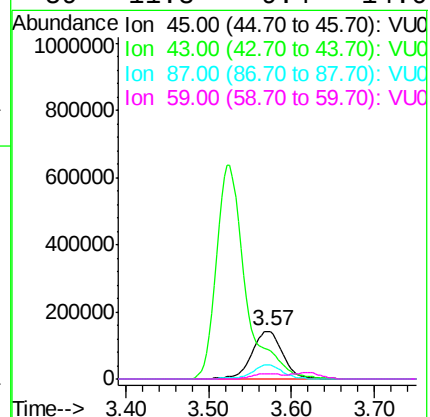
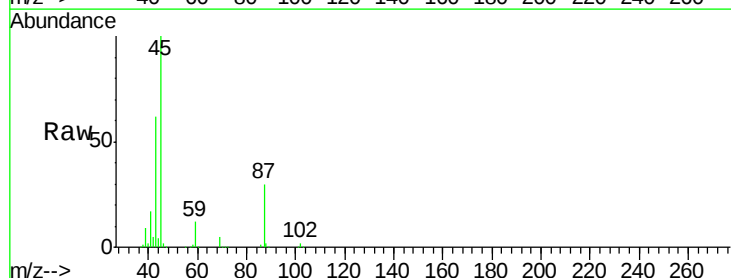
Ion Ratio Lower Upper

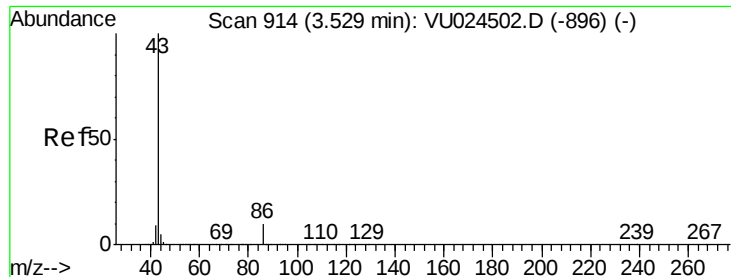
45 100

43 61.0 45.8 68.6

87 29.5 20.6 31.0

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 226.495 ug/l

RT: 3.52 min Scan# 912

Delta R.T. -0.01 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

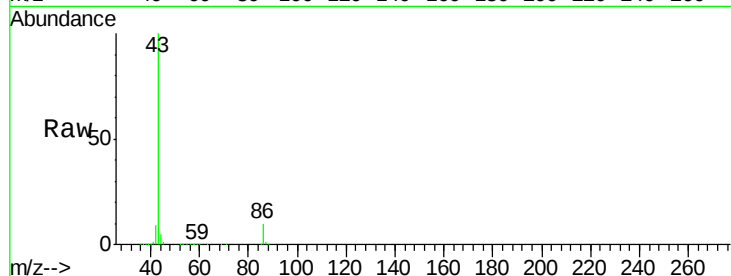
VSTDCCC050

Tot Ion: 43 Resp: 1563121

Ion Ratio Lower Upper

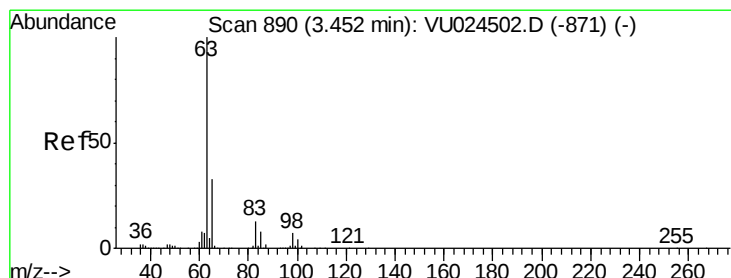
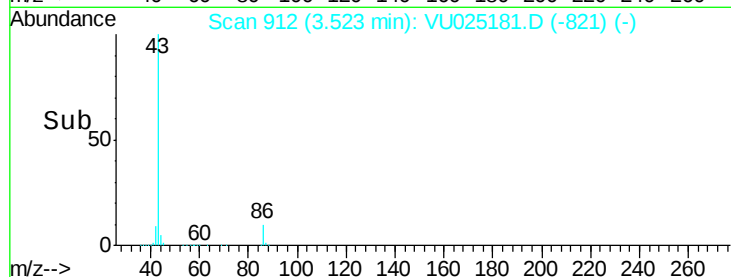
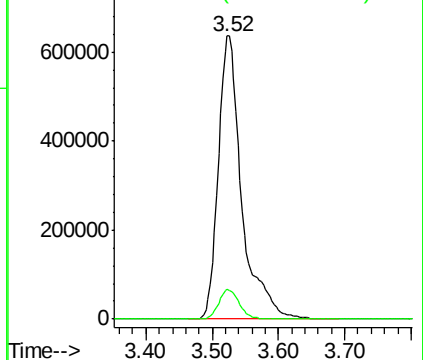
43 100

86 10.4 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: 47.748 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.01 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

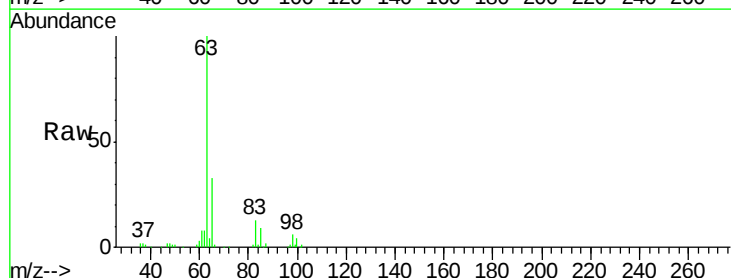
Tgt Ion: 63 Resp: 211617

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

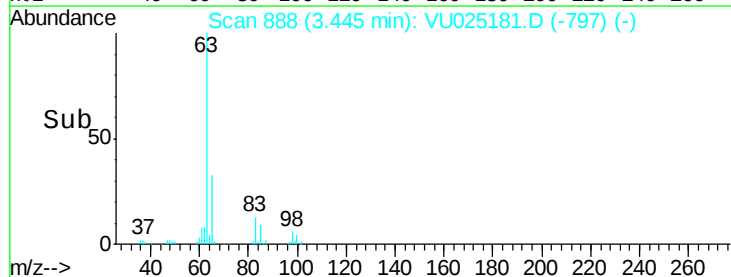
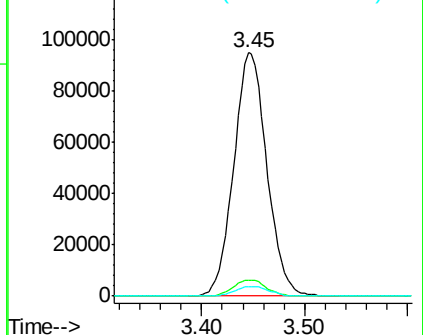
100 3.9 1.8 5.5

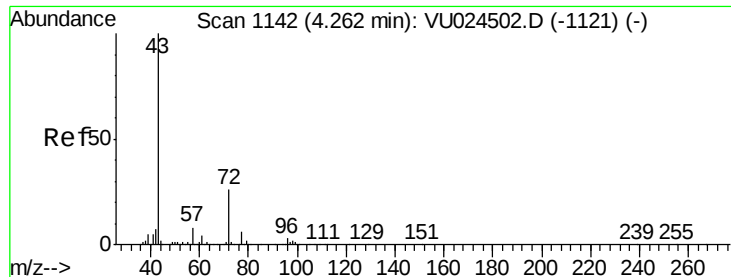


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

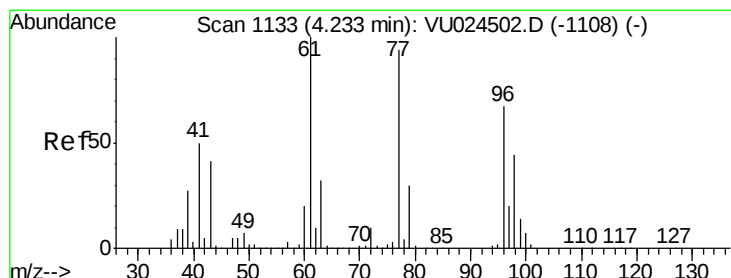
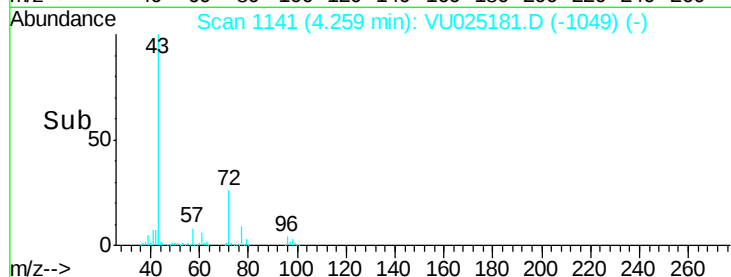
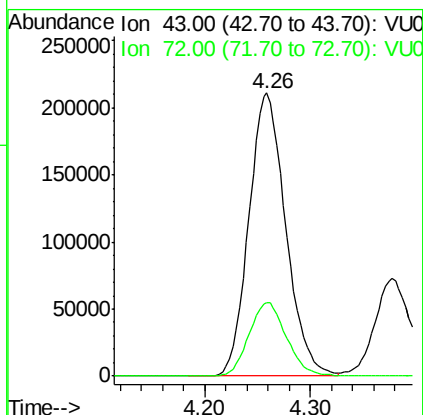
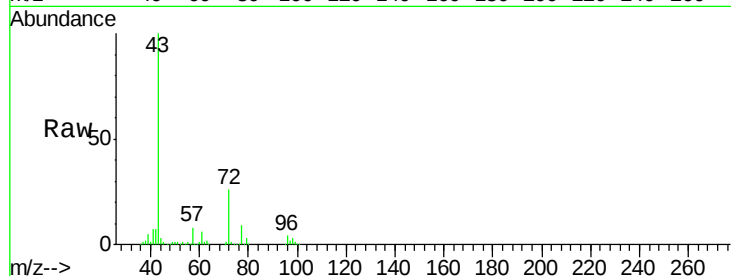




#25
2-Butanone
Concen: 236.157 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

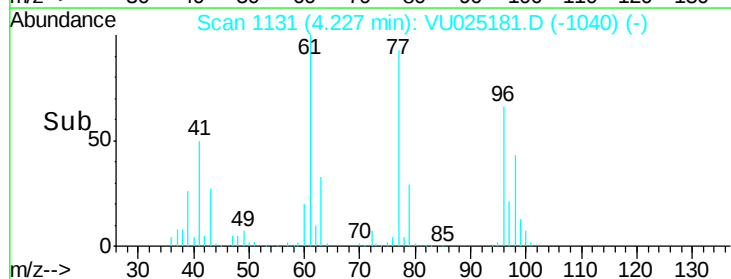
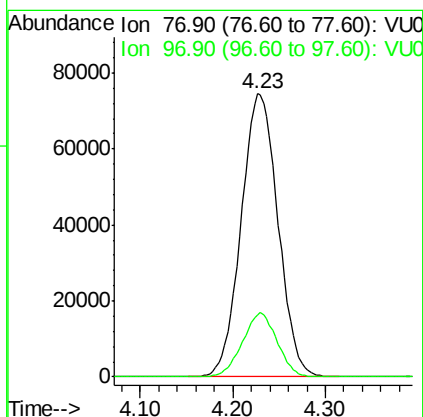
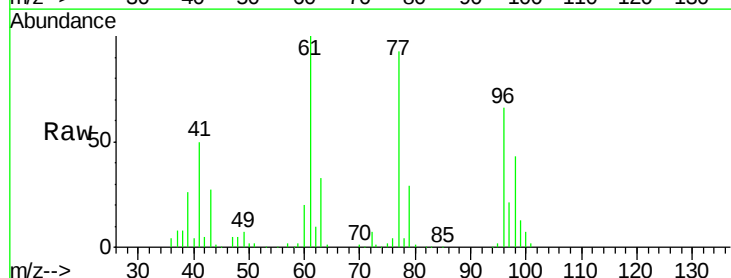
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 511483
Ion Ratio Lower Upper
43 100
72 26.1 19.6 29.4



#26
2,2-Dichloropropane
Concen: 48.737 ug/l
RT: 4.23 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 77 Resp: 205105
Ion Ratio Lower Upper
77 100
97 21.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.175 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

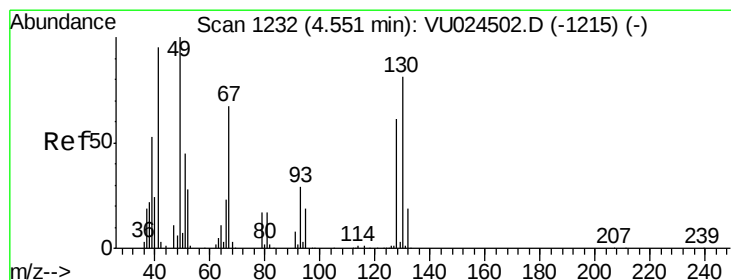
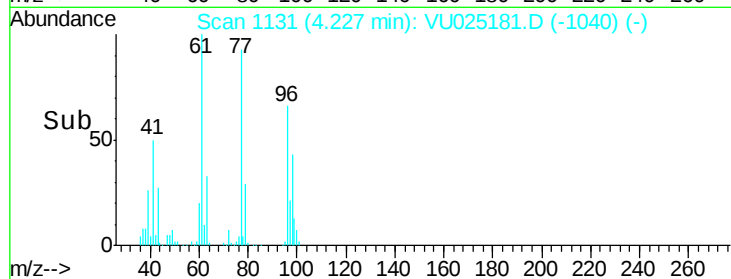
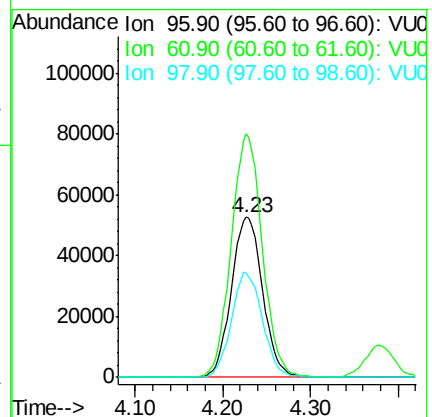
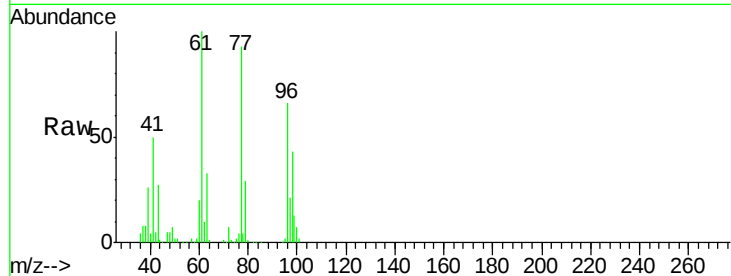
Tot Ion: 96 Resp: 130332

Ion Ratio Lower Upper

96 100

61 150.8 0.0 306.6

98 65.0 0.0 128.8



#28

Bromochloromethane

Concen: 42.222 ug/l

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

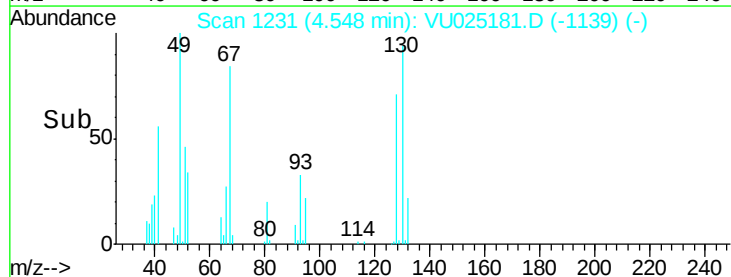
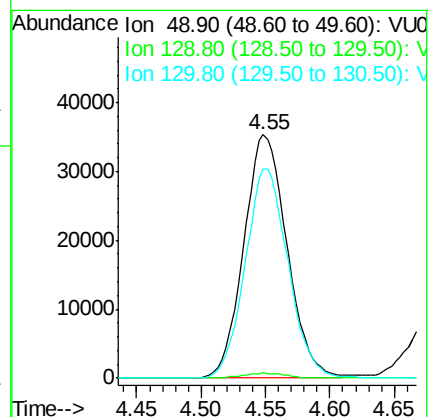
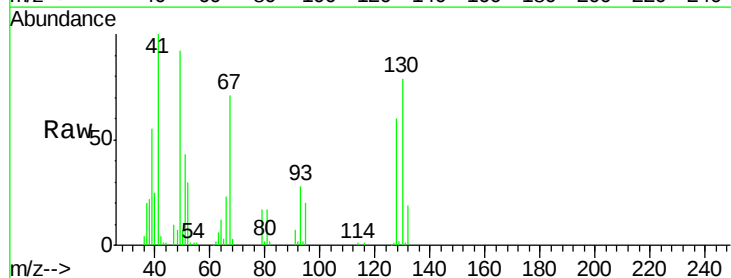
Tgt Ion: 49 Resp: 82423

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 85.6 57.8 86.6





#29

Tetrahydrofuran

Concen: 225.814 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

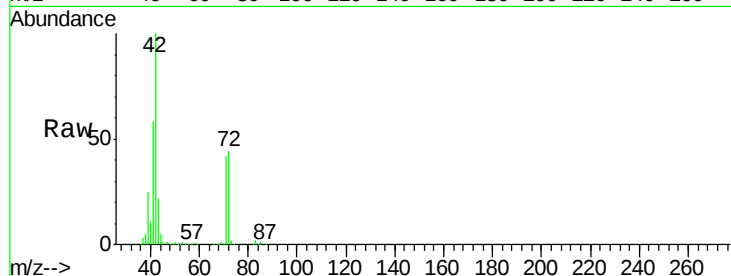
Tot Ion: 42 Resp: 302872

Ion Ratio Lower Upper

42 100

72 45.1 34.5 51.7

71 42.0 32.2 48.4



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

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

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

4.64

150000

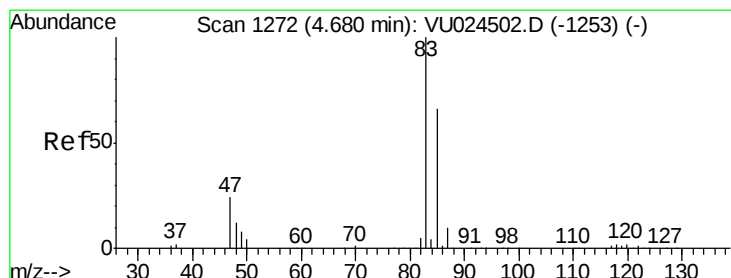
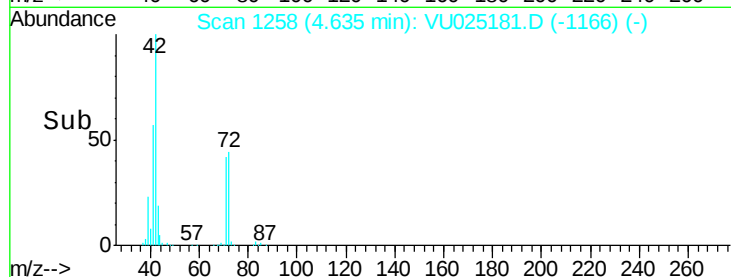
100000

50000

0

Time-->

4.50 4.60 4.70 4.80



#30

Chloroform

Concen: 50.282 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025181.D

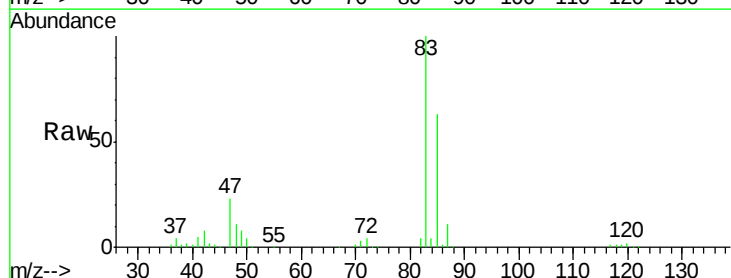
Acq: 03 Jul 2018 09:55

Tgt Ion: 83 Resp: 225562

Ion Ratio Lower Upper

83 100

85 63.2 52.4 78.6



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

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

4.68

100000

80000

60000

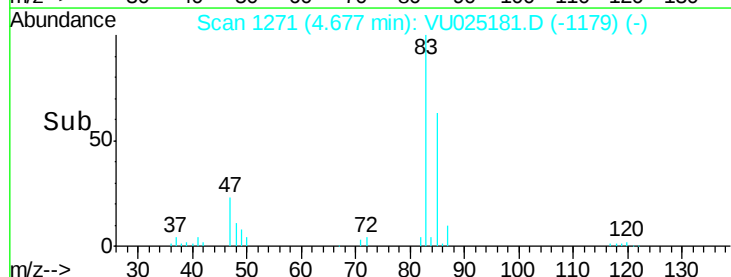
40000

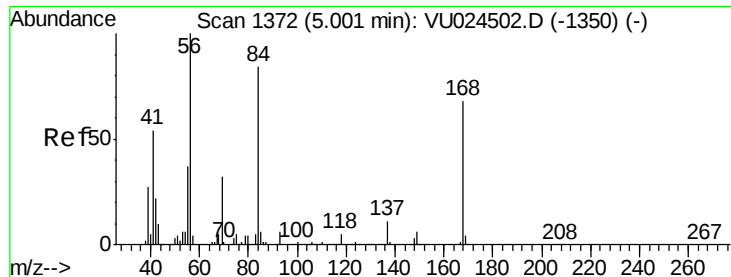
20000

0

Time-->

4.60 4.70 4.80

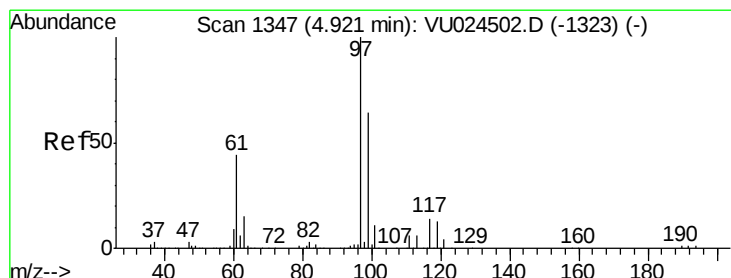
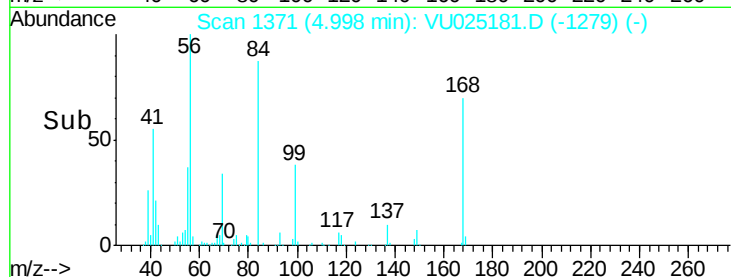
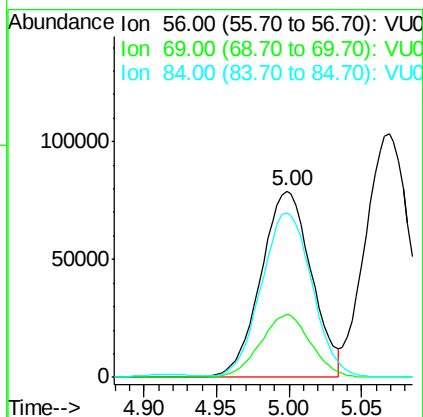
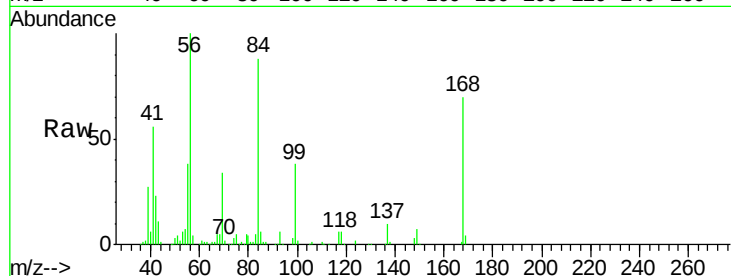




#31
Cyclohexane
Concen: 48.435 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

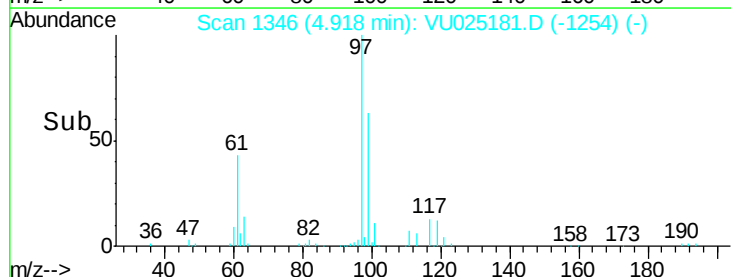
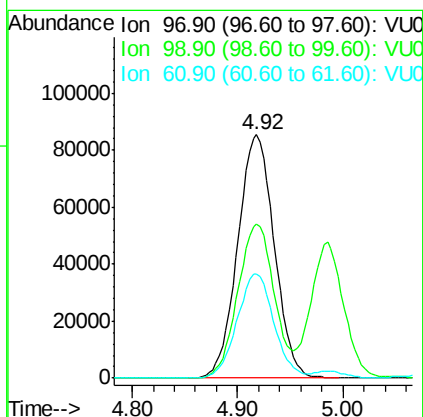
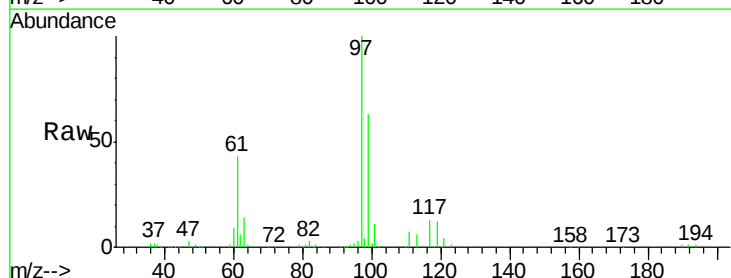
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 190873
Ion Ratio Lower Upper
56 100
69 33.7 24.8 37.2
84 87.2 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 49.602 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 97 Resp: 205761
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 43.3 39.4 59.0

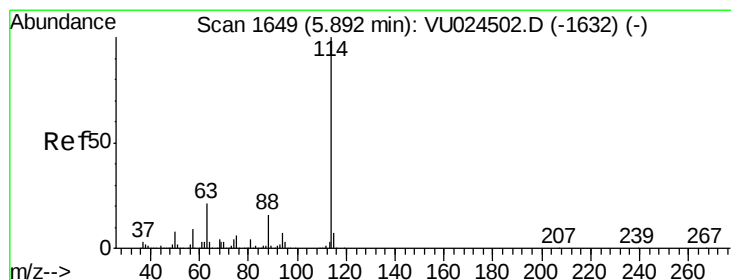
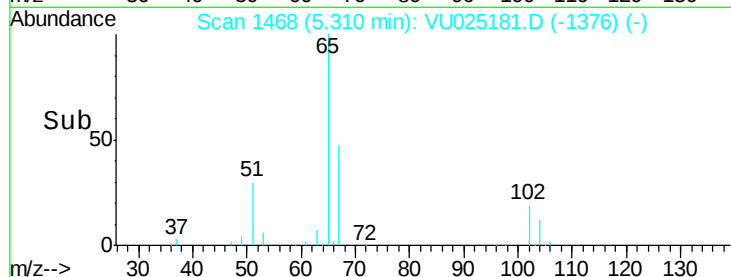
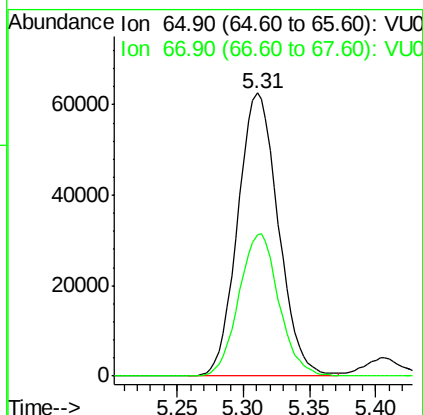
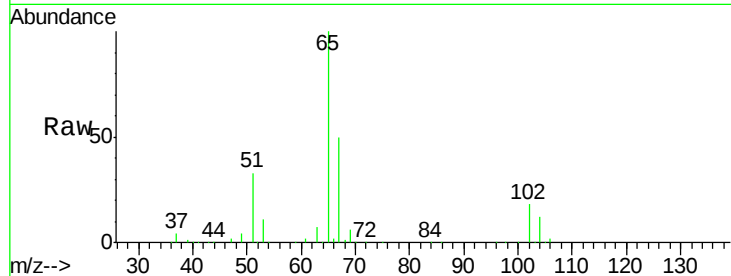




#33
 1,2-Dichloroethane-d4
 Concen: 44.406 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

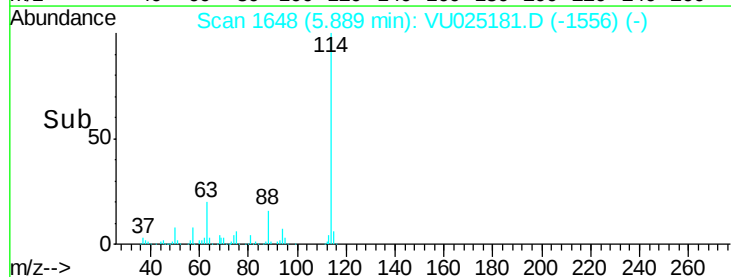
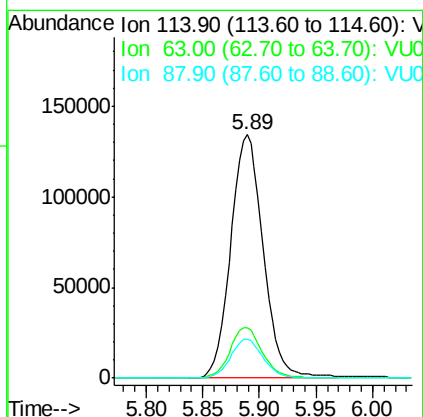
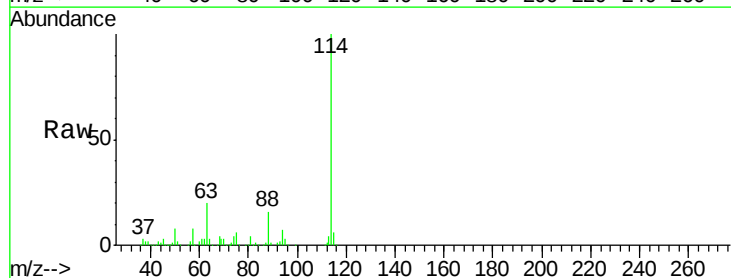
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

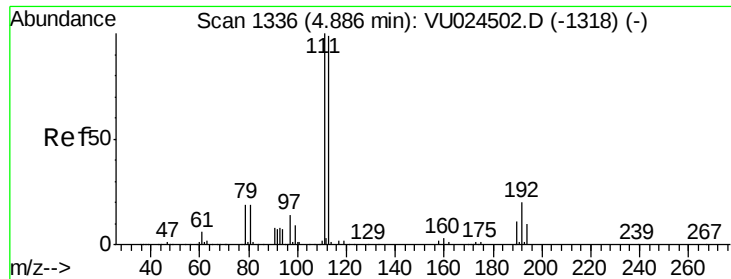
Tot Ion: 65 Resp: 133262
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion: 114 Resp: 268595
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 16.1 0.0 31.0

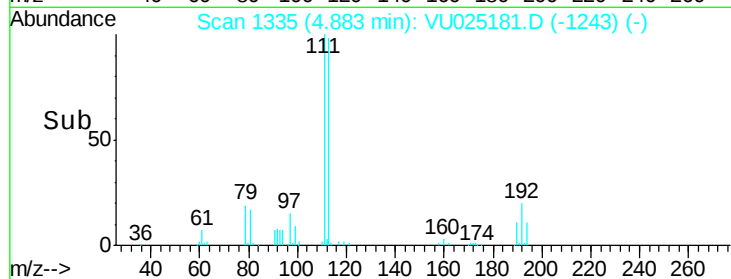
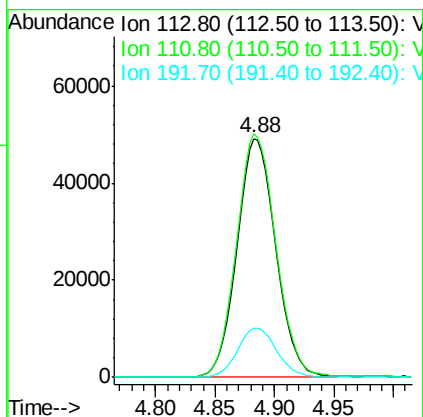
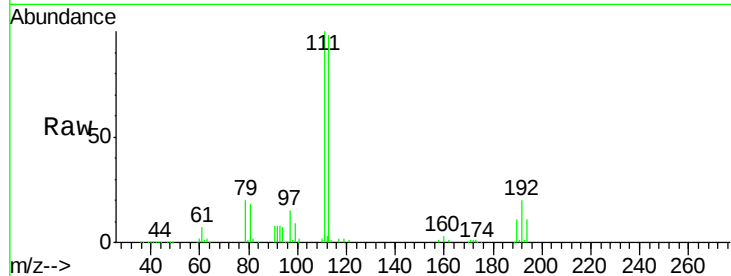




#35
 Dibromofluoromethane
 Concen: 49.710 ug/l
 RT: 4.88 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

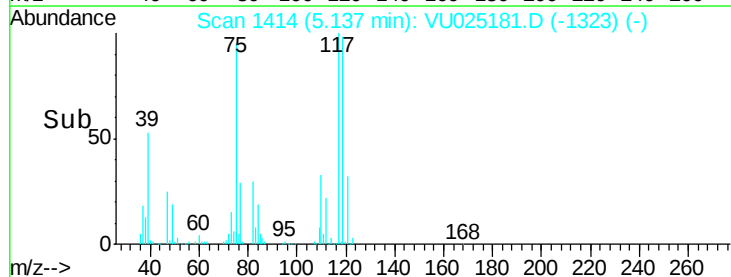
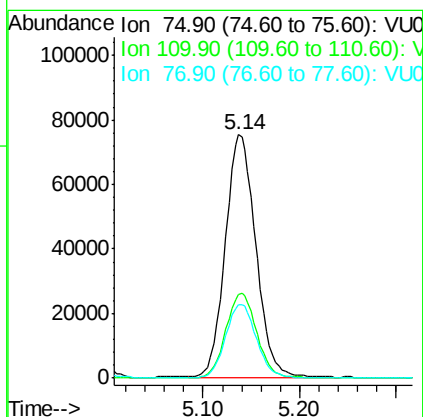
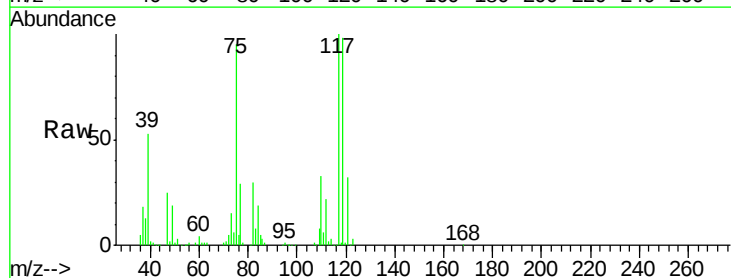
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

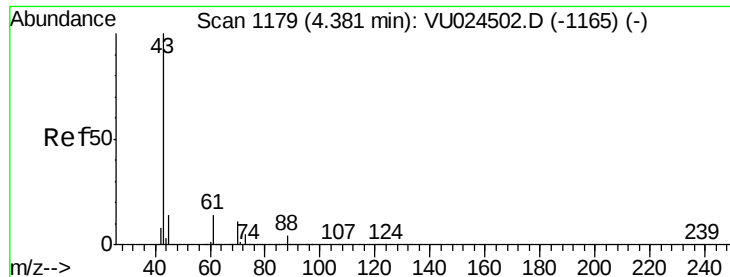
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	20.9	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 51.887 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.0	50.9
77	30.0	24.2	36.4

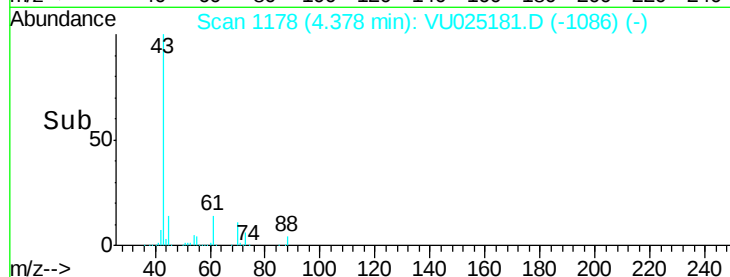
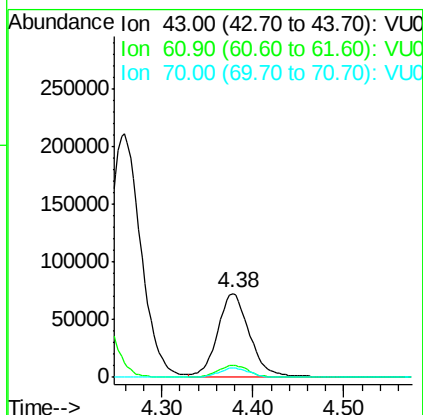
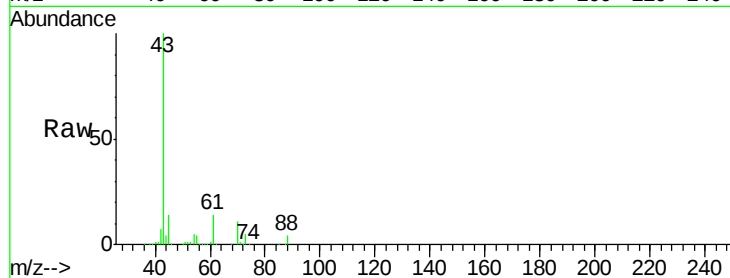




#37
Ethyl Acetate
Concen: 50.865 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

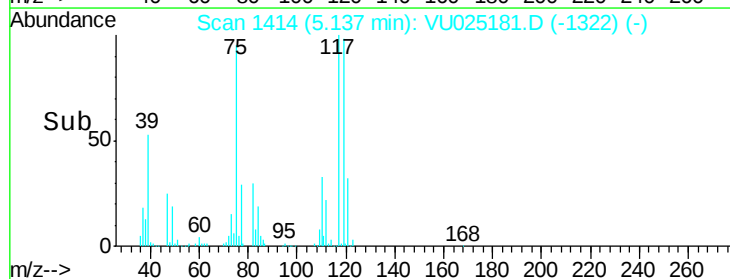
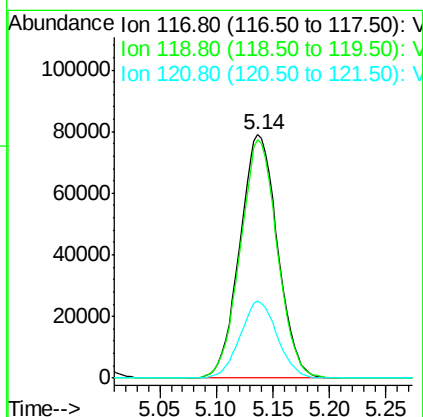
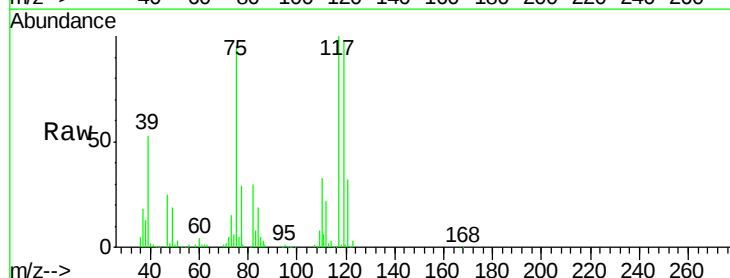
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 174976
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 11.0 7.4 11.2



#38
Carbon Tetrachloride
Concen: 52.832 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 117 Resp: 183368
Ion Ratio Lower Upper
117 100
119 98.0 76.1 114.1
121 31.6 23.7 35.5

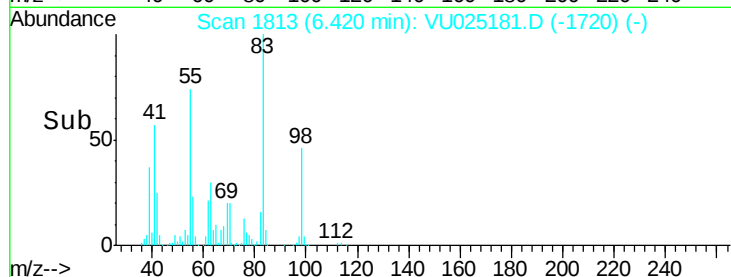
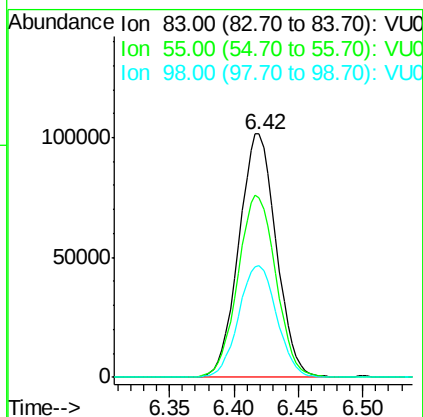
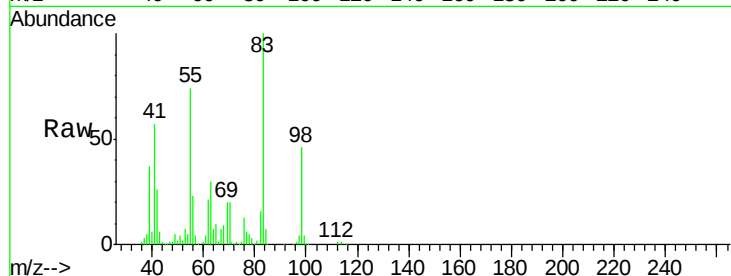




#39
Methvlcvclohexane
Concen: 52.050 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

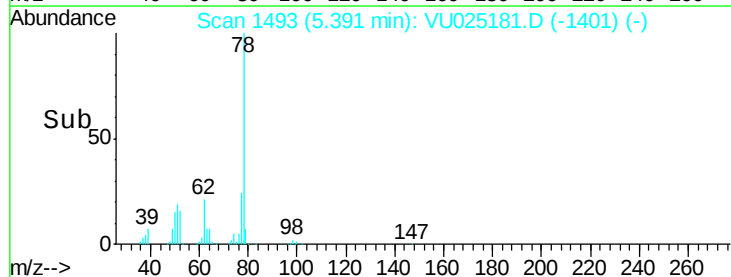
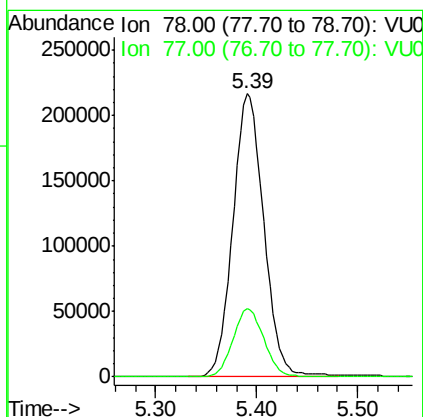
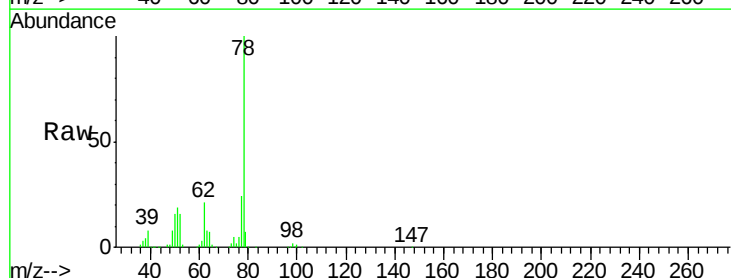
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

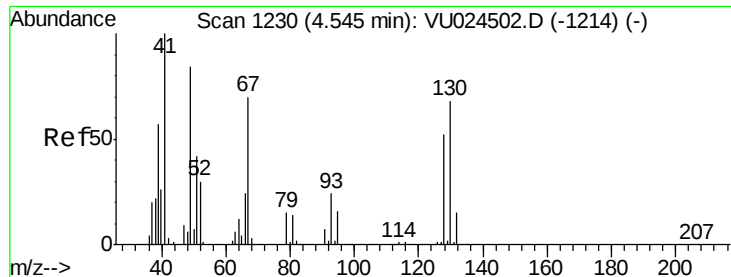
Tot Ion: 83 Resp: 205009
Ion Ratio Lower Upper
83 100
55 73.6 65.8 98.6
98 46.0 36.7 55.1



#40
Benzene
Concen: 51.389 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 78 Resp: 462162
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8

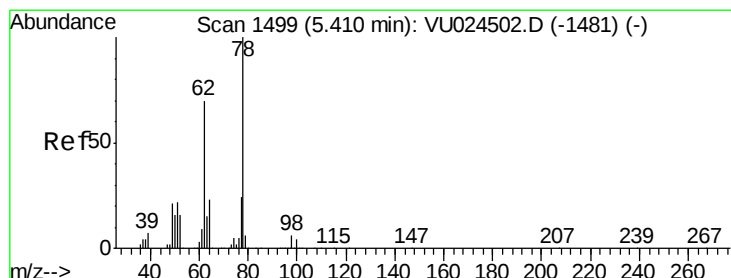
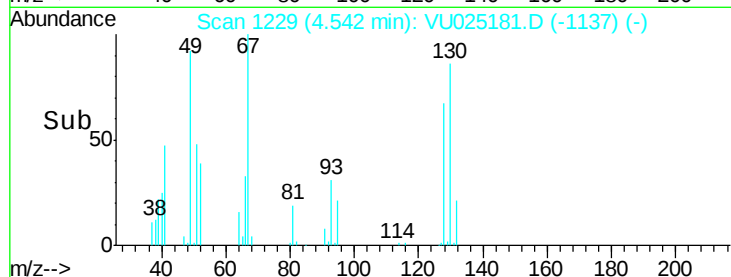
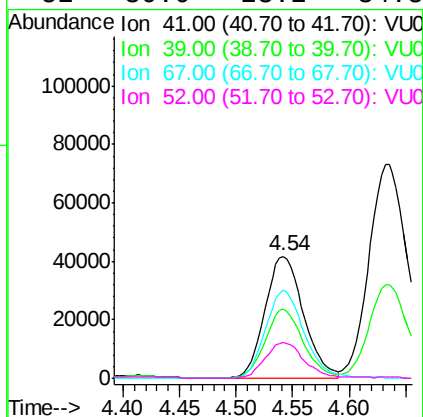
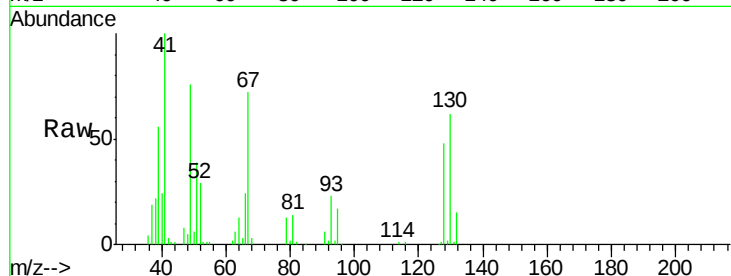




#41
Methacrylonitrile
Concen: 53.320 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

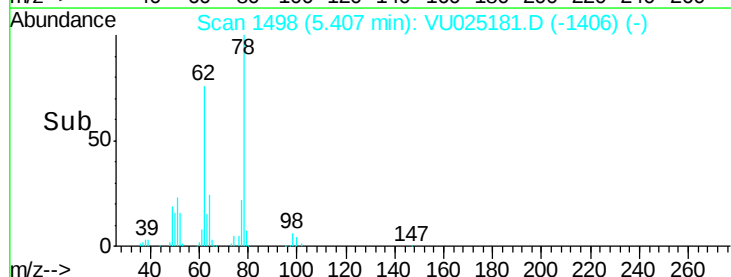
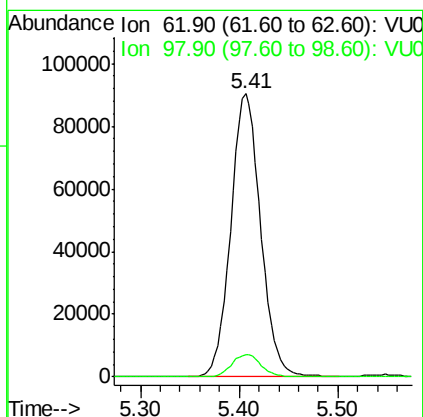
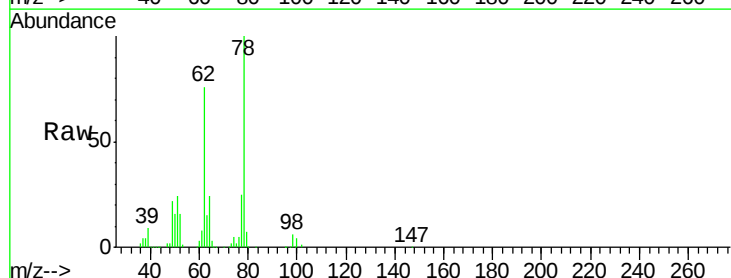
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	98894
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.8	65.6
67	72.0	56.3	84.5
52	30.0	23.2	34.8



#42
1,2-Dichloroethane
Concen: 55.535 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion:	62	Resp:	190224
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 48.537 ug/l

RT: 5.54 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

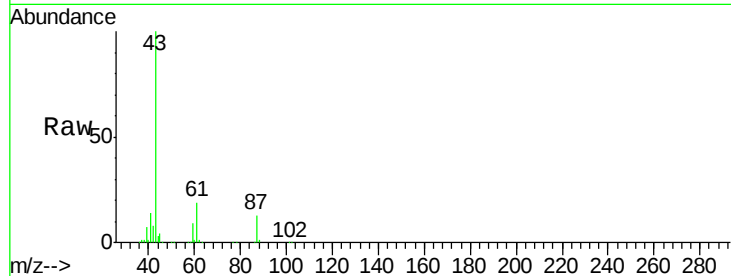
Tot Ion: 43 Resp: 288611

Ion Ratio Lower Upper

43 100

61 19.5 15.4 23.0

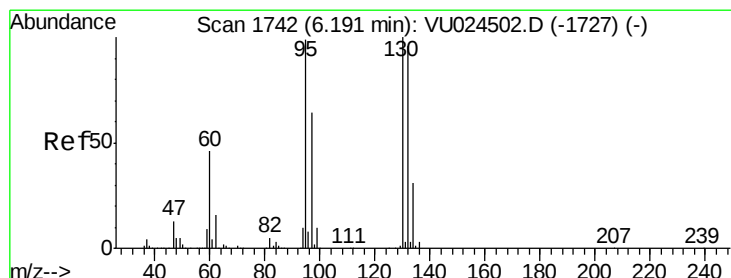
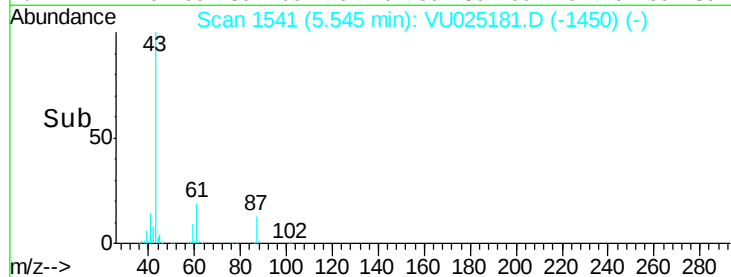
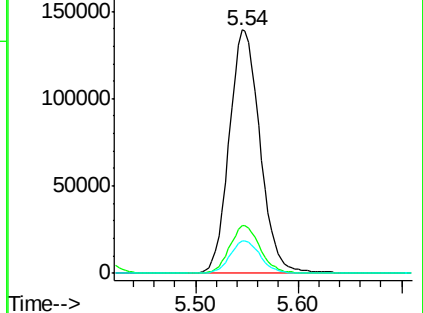
87 13.3 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)



#44

Trichloroethene

Concen: 51.889 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025181.D

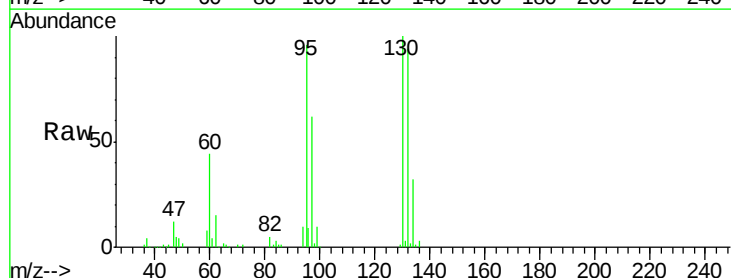
Acq: 03 Jul 2018 09:55

Tgt Ion: 130 Resp: 132810

Ion Ratio Lower Upper

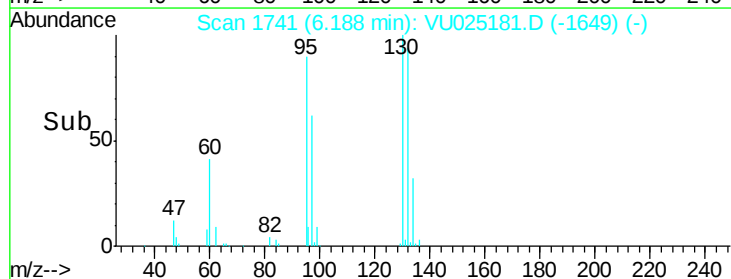
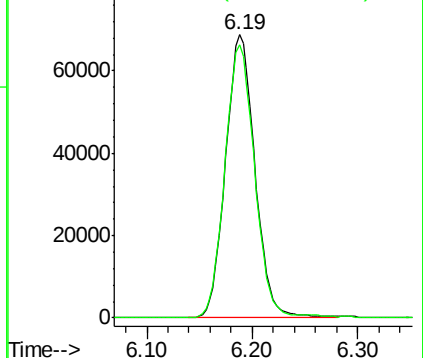
130 100

95 96.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)





#45

1,2-Dichloropropane

Concen: 51.779 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

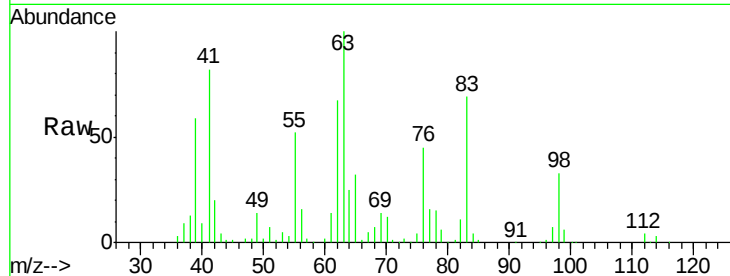
VSTDCCC050

Tot Ion: 63 Resp: 124253

Ion Ratio Lower Upper

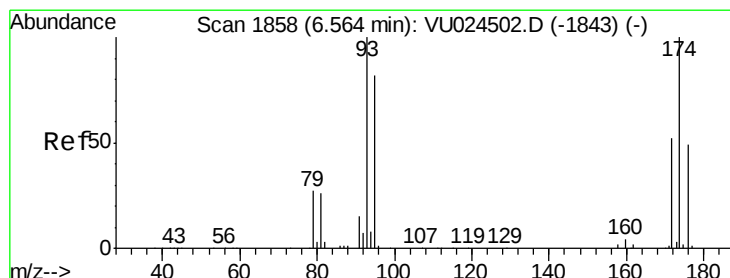
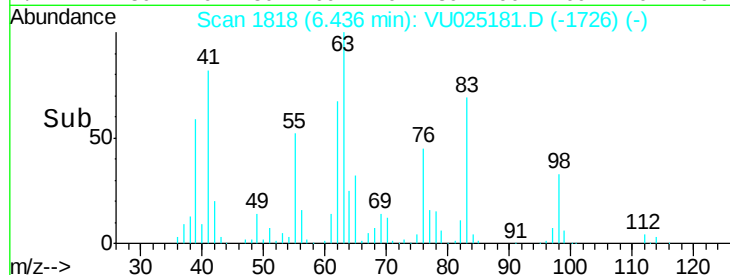
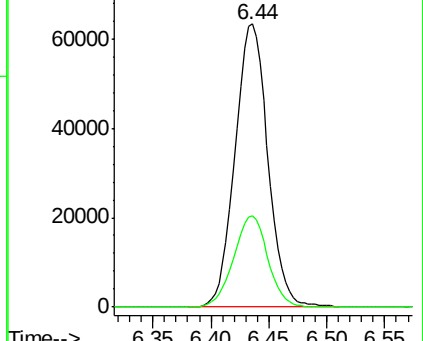
63 100

65 32.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 53.000 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

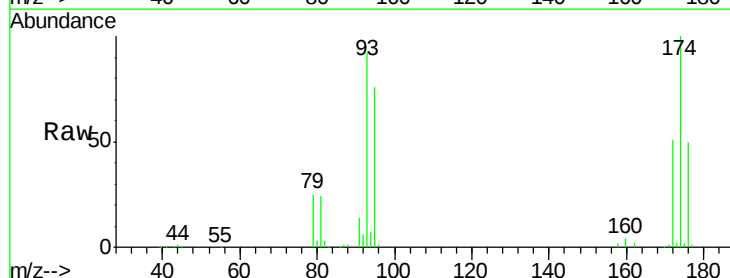
Tgt Ion: 93 Resp: 89334

Ion Ratio Lower Upper

93 100

95 83.4 65.5 98.3

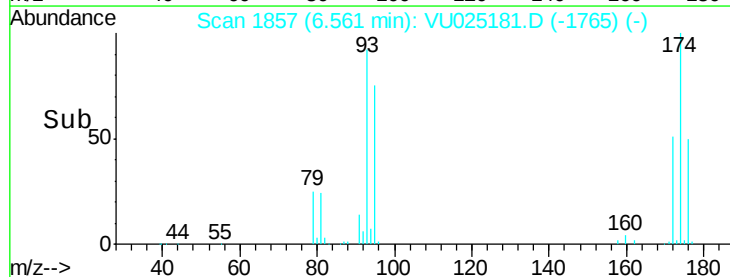
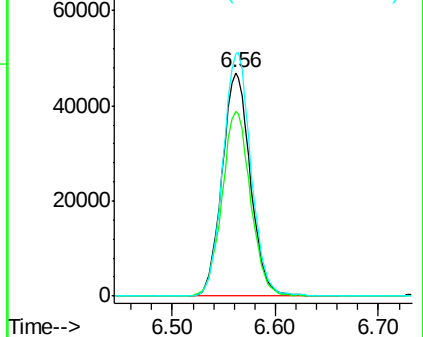
174 108.3 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.026 ug/l

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

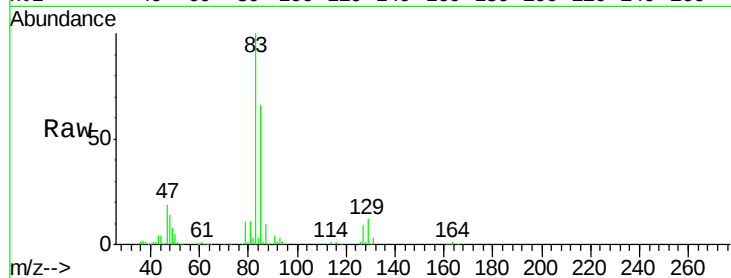
Tot Ion: 83 Resp: 171265

Ion Ratio Lower Upper

83 100

85 65.9 51.9 77.9

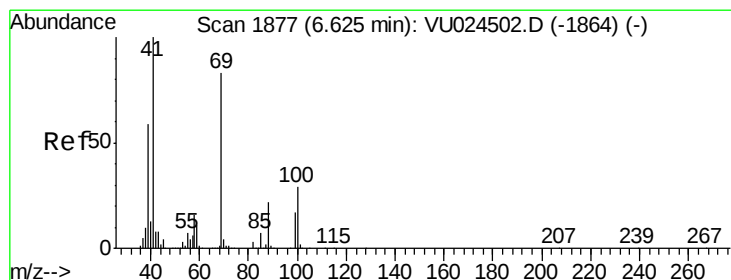
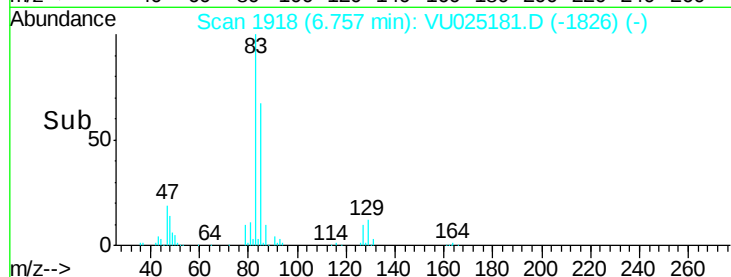
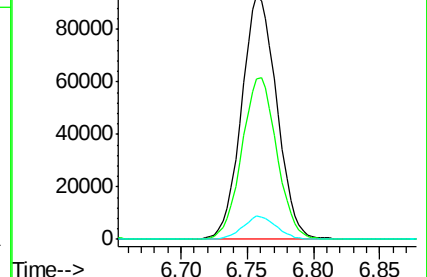
127 9.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU024502.D (-1905) (-)

Ion 84.90 (84.60 to 85.60): VU024502.D (-1905) (-)

Ion 126.80 (126.50 to 127.50): VU024502.D (-1905) (-)



#48

Methyl methacrylate

Concen: 51.745 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

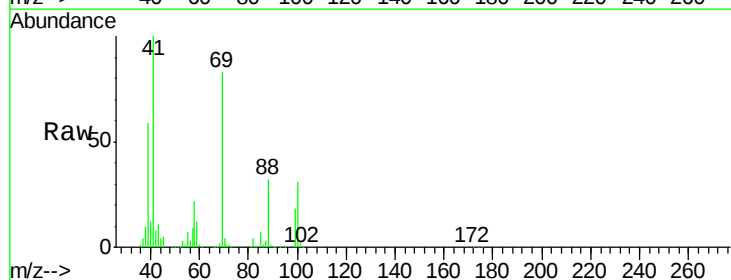
Tgt Ion: 41 Resp: 149825

Ion Ratio Lower Upper

41 100

69 83.6 67.3 100.9

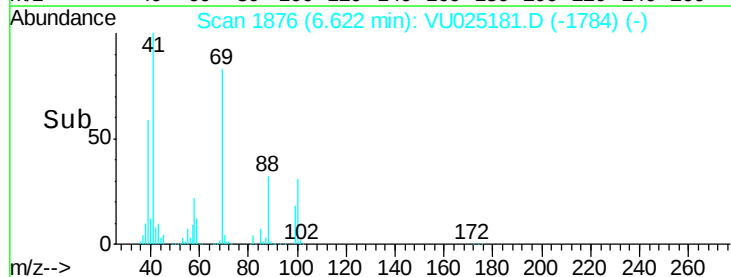
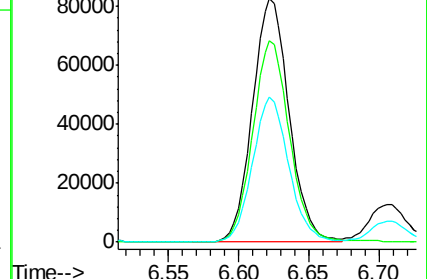
39 59.2 46.5 69.7



Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VU024502.D (-1864) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1864) (-)

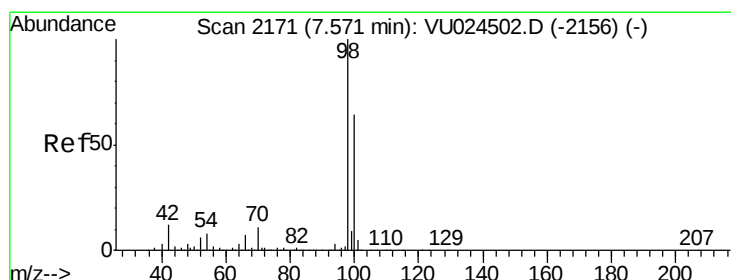
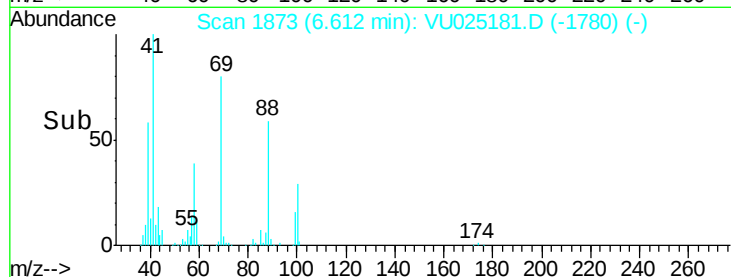
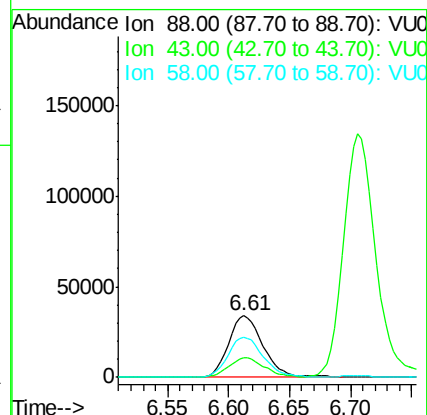
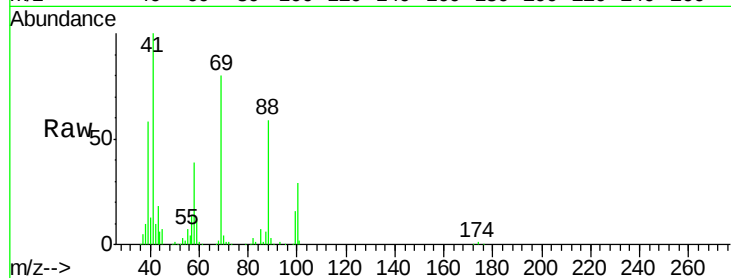




#49
 1,4-Dioxane
 Concen: 1183.869 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

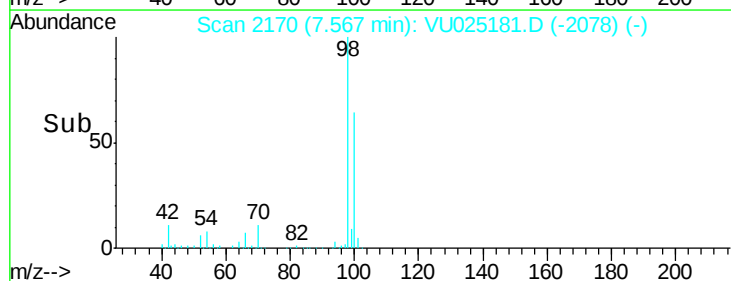
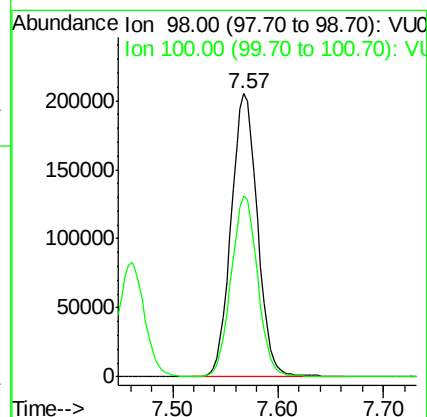
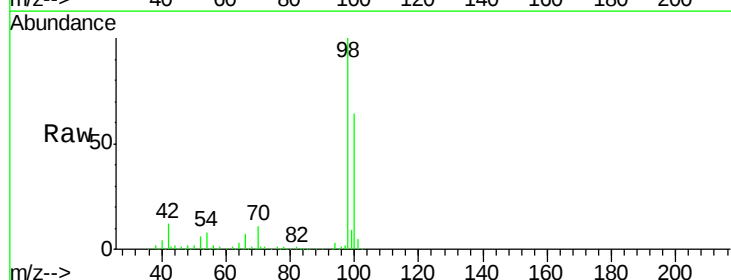
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 67036
 Ion Ratio Lower Upper
 88 100
 43 31.7 28.6 42.8
 58 67.0 58.2 87.4



#50
 Toluene-d8
 Concen: 43.710 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion: 98 Resp: 355402
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.1 76.7

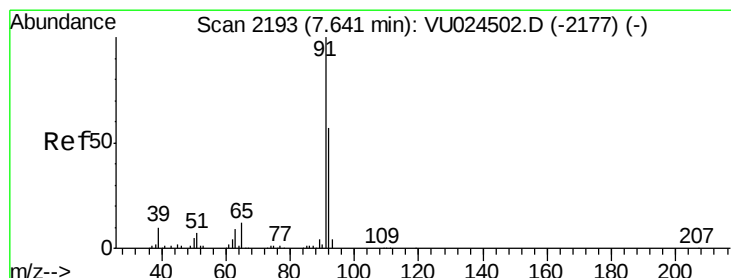
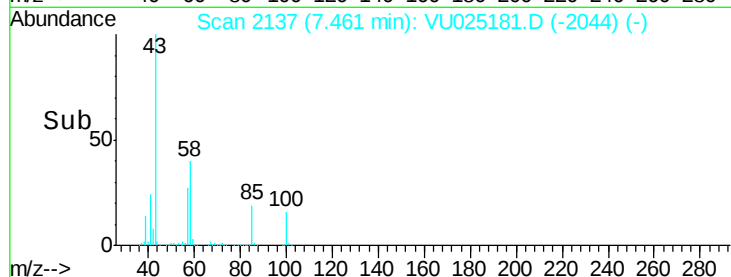
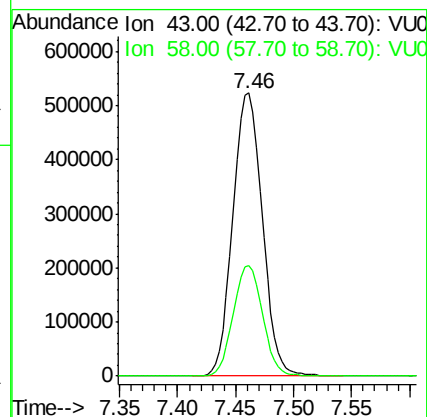
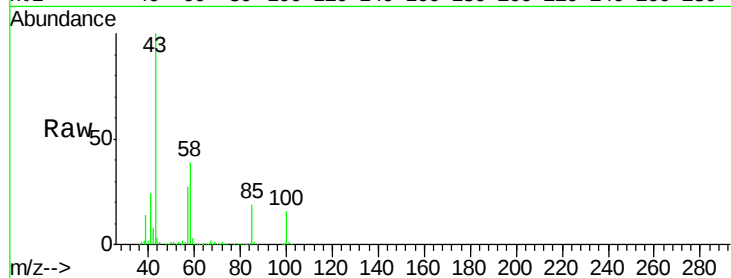




#51
4-Methyl-2-Pentanone
Concen: 246.620 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

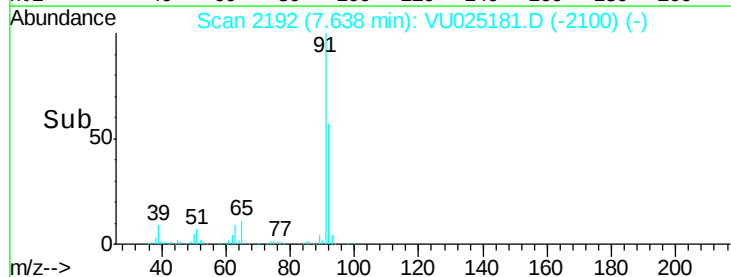
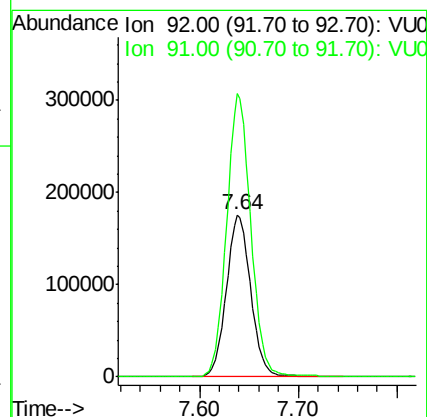
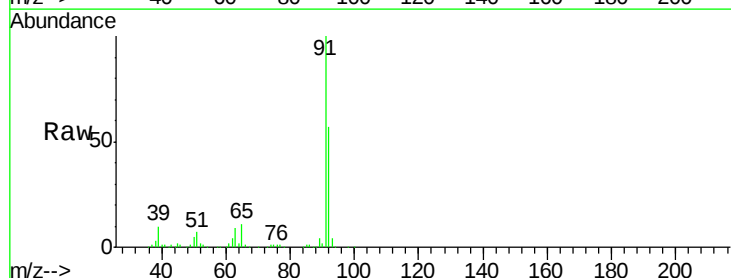
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 921309
Ion Ratio Lower Upper
43 100
58 38.9 30.0 45.0



#52
Toluene
Concen: 52.804 ug/l
RT: 7.64 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 92 Resp: 305528
Ion Ratio Lower Upper
92 100
91 173.0 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 50.773 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

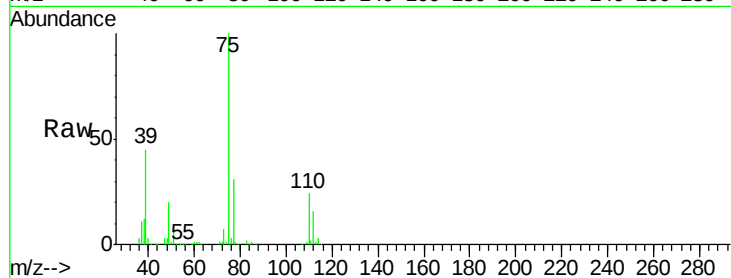
VSTDCCC050

Tot Ion: 75 Resp: 191377

Ion Ratio Lower Upper

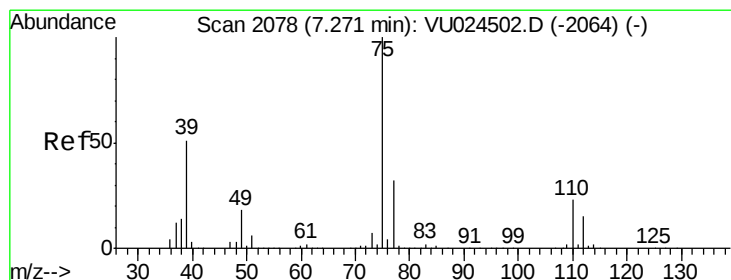
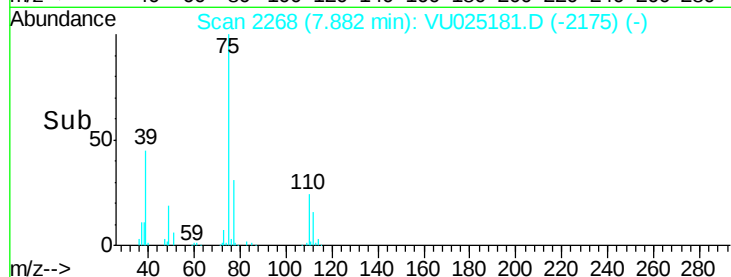
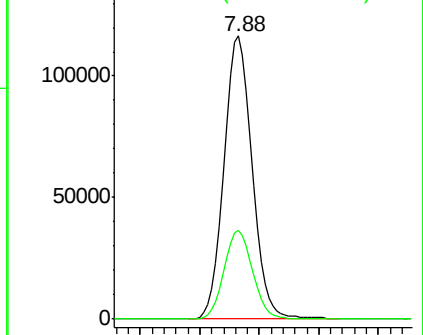
75 100

77 31.2 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 50.080 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

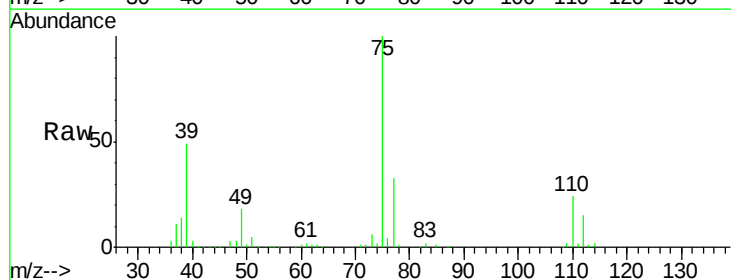
Tgt Ion: 75 Resp: 201140

Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

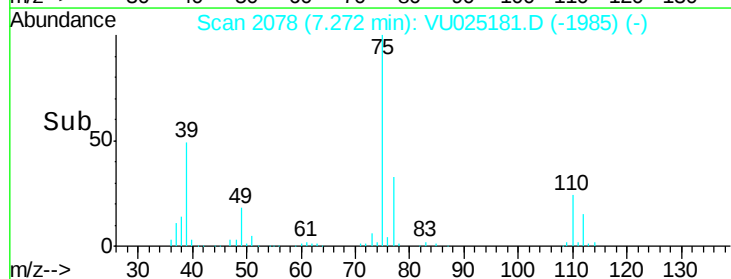
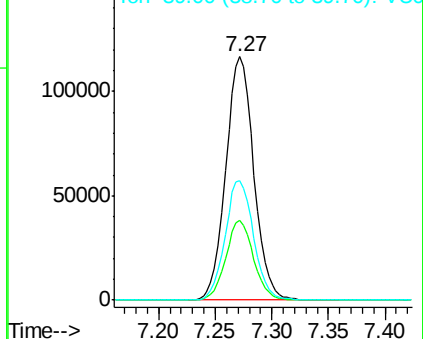
39 48.7 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

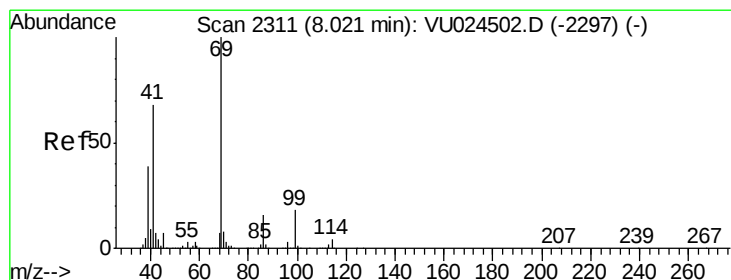
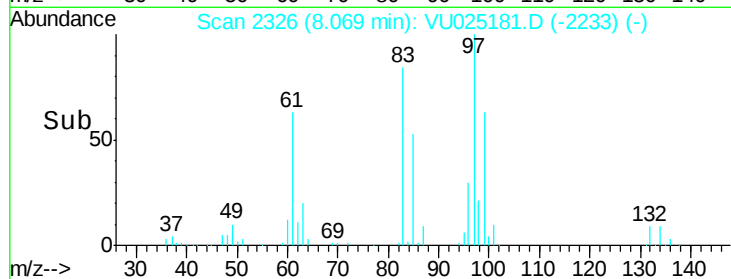
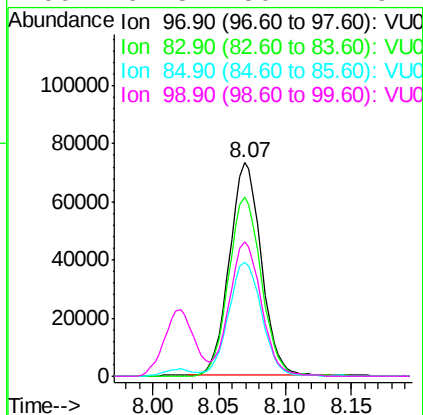
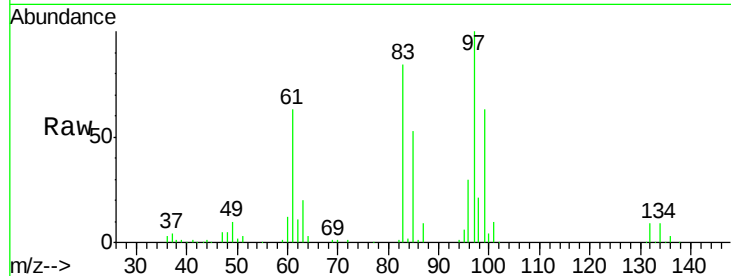




#55
 1,1,2-Trichloroethane
 Concen: 52.079 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

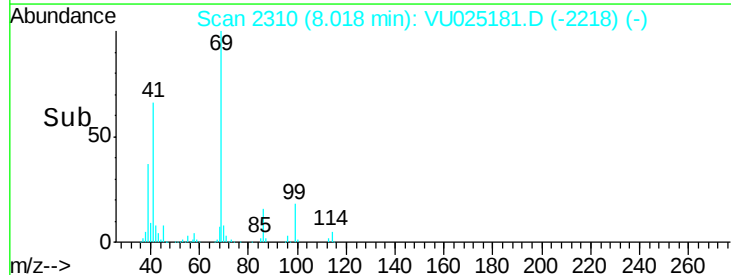
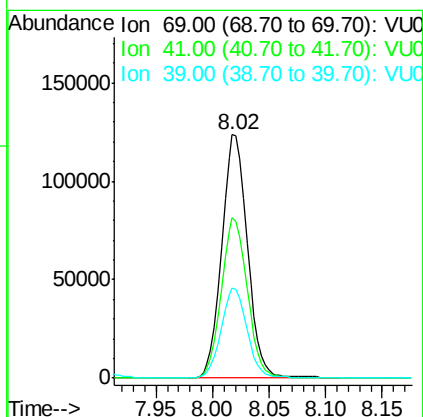
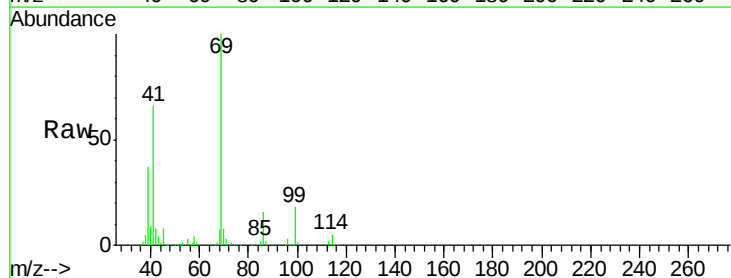
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	122488
Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.5	105.7
85	53.2	46.4	69.6
99	62.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 49.841 ug/l
 RT: 8.02 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion:	69	Resp:	196201
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	36.6	30.3	45.5





#57

1,3-Dichloropropane

Concen: 52.782 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

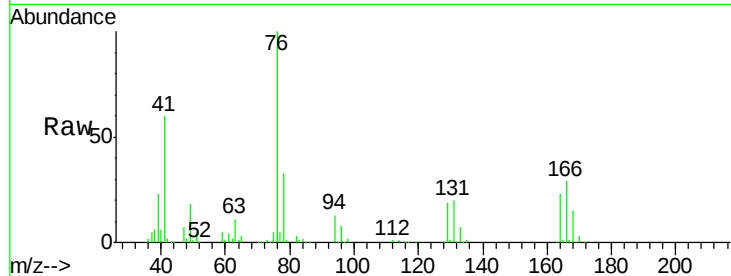
VSTDCCC050

Tot Ion: 76 Resp: 209417

Ion Ratio Lower Upper

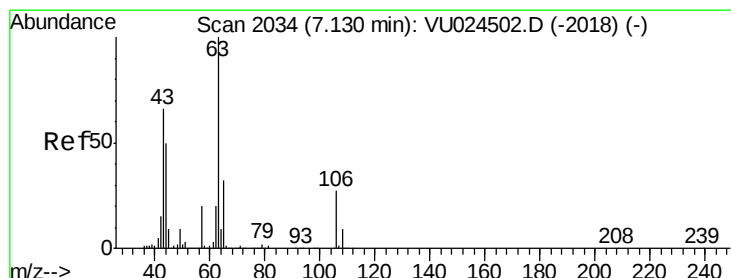
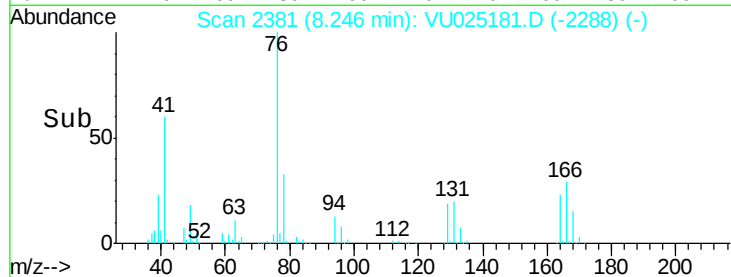
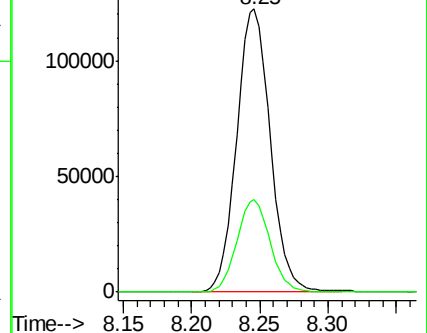
76 100

78 32.3 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 275.161 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025181.D

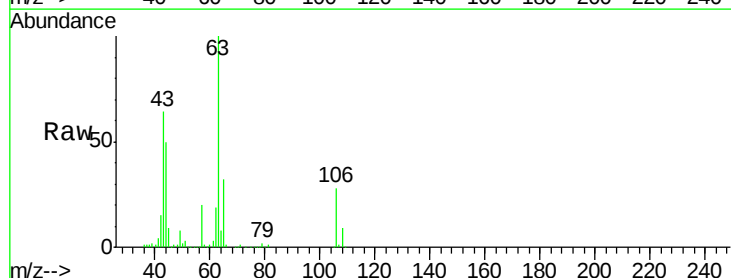
Acq: 03 Jul 2018 09:55

Tgt Ion: 63 Resp: 414977

Ion Ratio Lower Upper

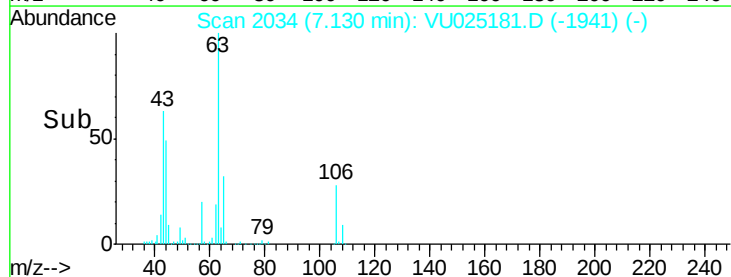
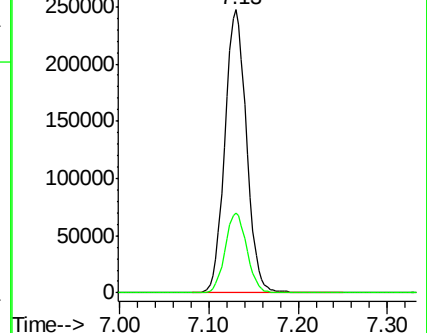
63 100

106 28.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

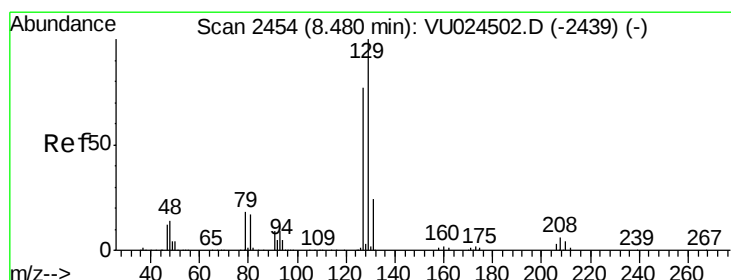
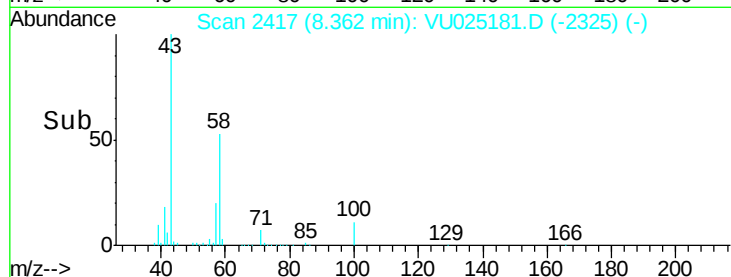
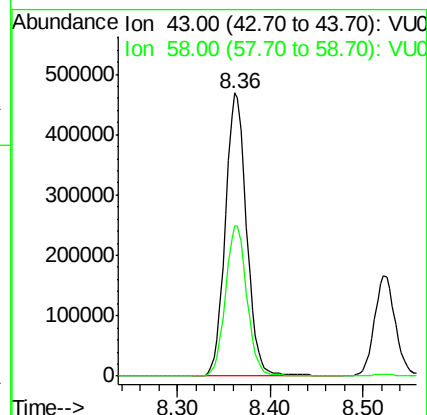
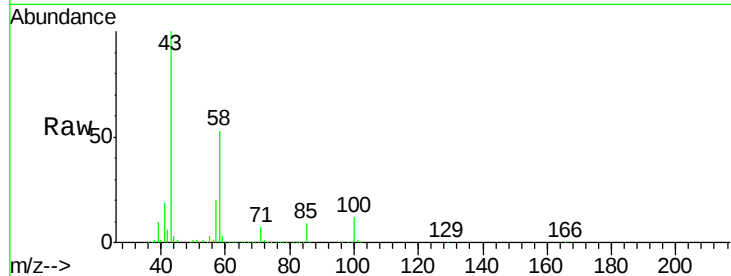




#59
2-Hexanone
Concen: 244.931 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

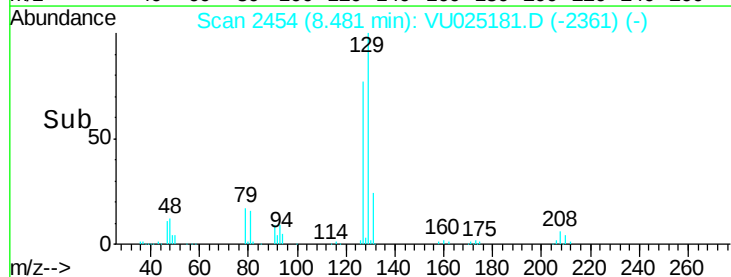
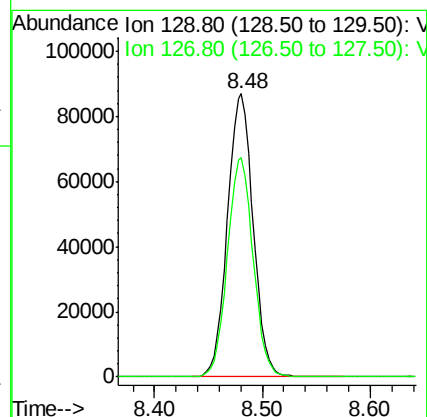
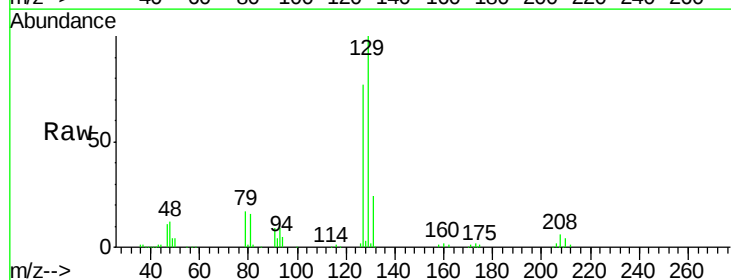
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 747009
Ion Ratio Lower Upper
43 100
58 53.8 26.4 79.0



#60
Dibromochloromethane
Concen: 49.199 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 129 Resp: 144296
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0

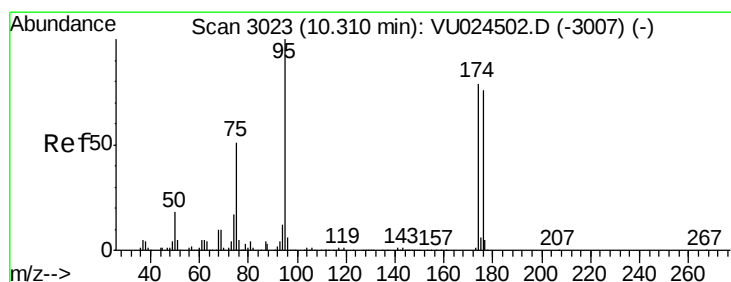
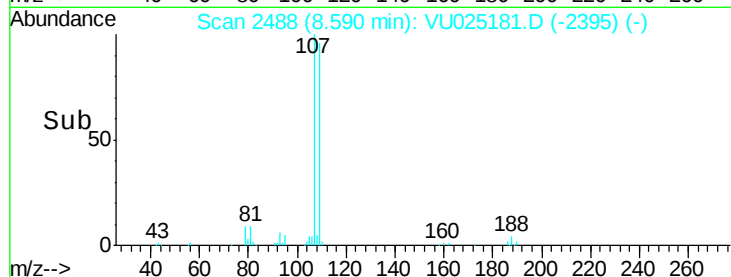
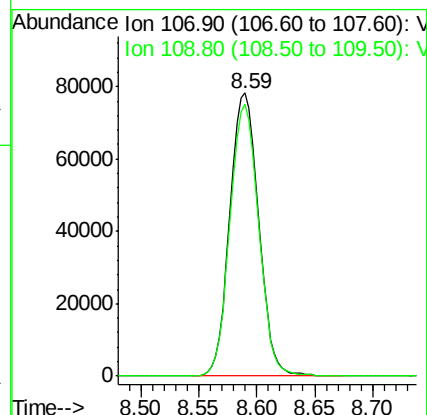
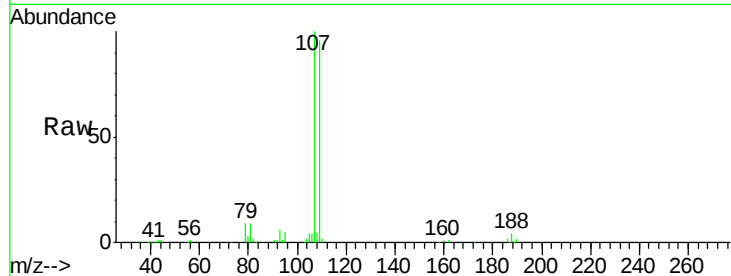




#61
 1,2-Dibromoethane
 Concen: 51.403 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

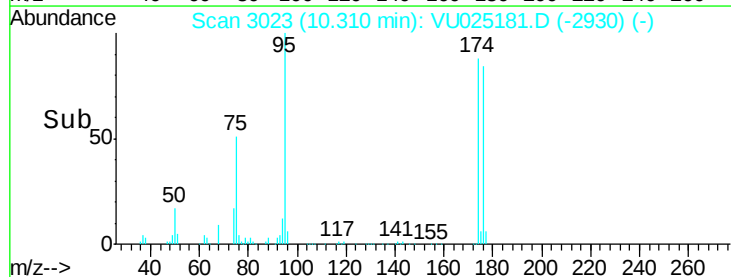
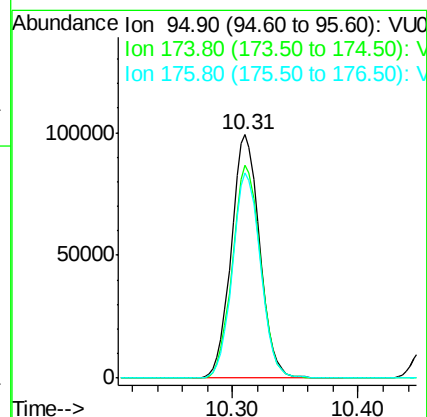
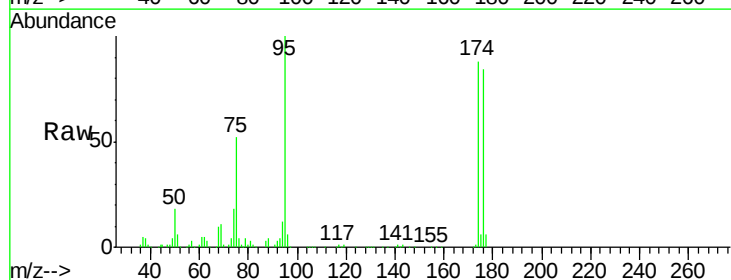
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 134563
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 48.191 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion: 95 Resp: 155577
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 165.8
 176 83.5 0.0 159.4

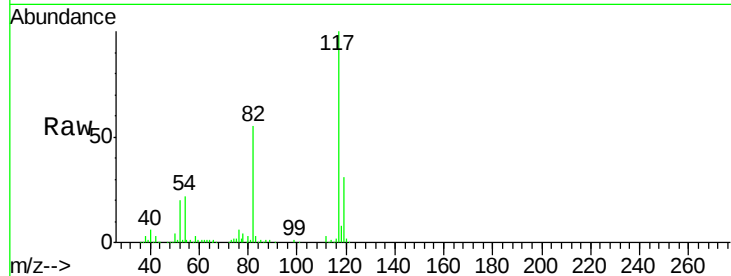




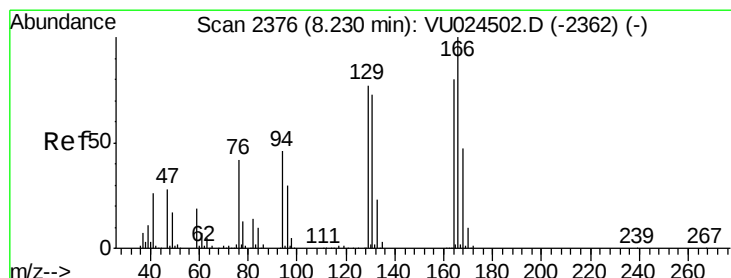
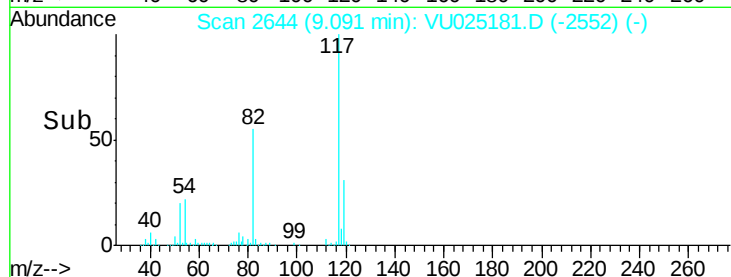
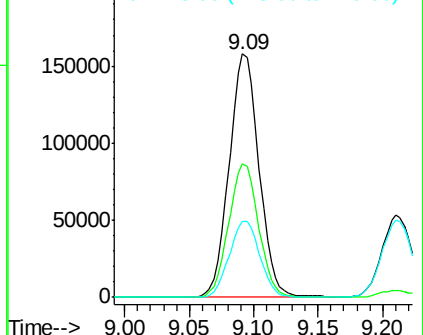
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 254262
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 31.1 25.4 38.2



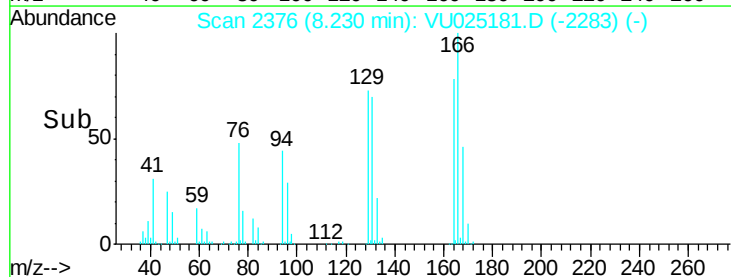
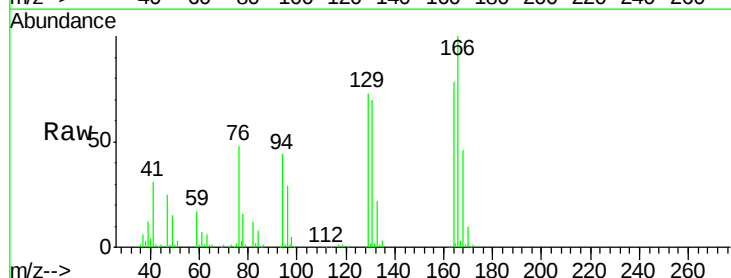
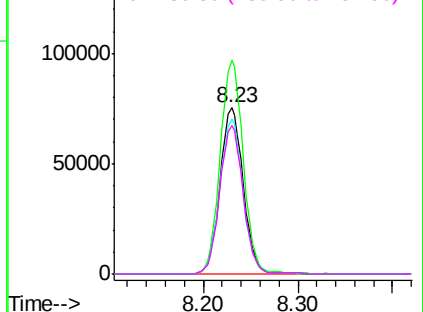
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 53.172 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion:164 Resp: 128510
Ion Ratio Lower Upper
164 100
166 128.6 101.7 152.5
129 93.4 76.9 115.3
131 89.8 74.9 112.3

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

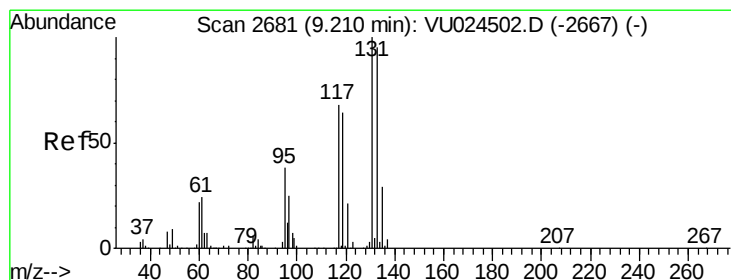
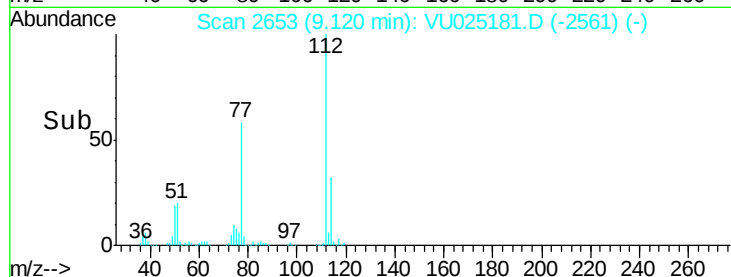
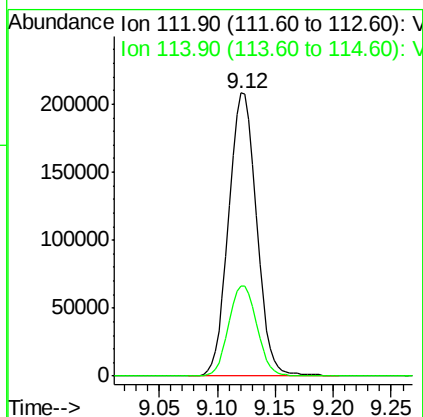
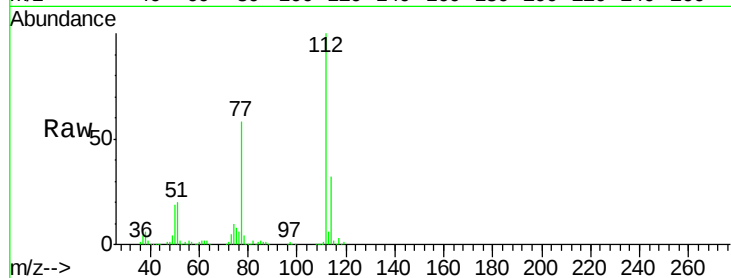




#65
Chlorobenzene
Concen: 53.519 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

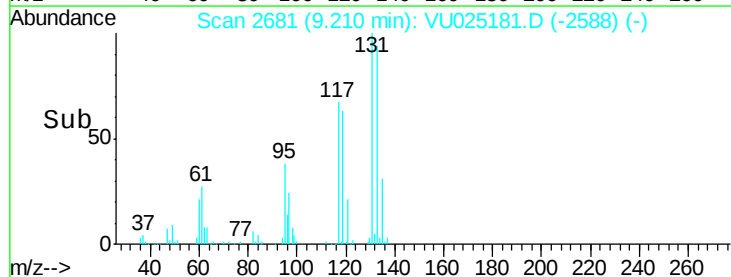
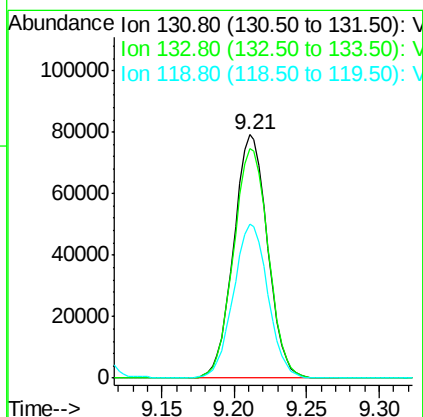
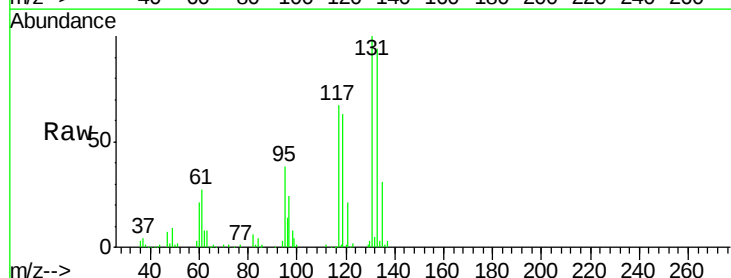
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

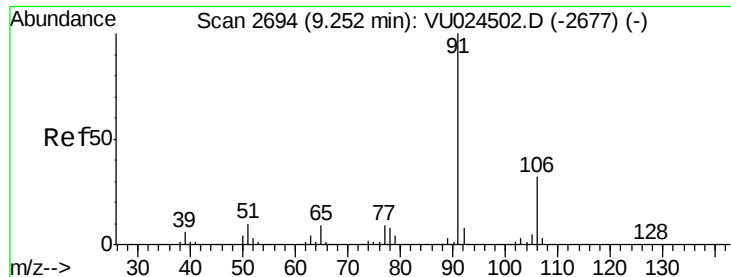
Tot Ion:112 Resp: 347631
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.121 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion:131 Resp: 128621
Ion Ratio Lower Upper
131 100
133 96.7 46.9 140.8
119 64.6 33.5 100.4





#67

Ethyl Benzene

Concen: 53.797 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

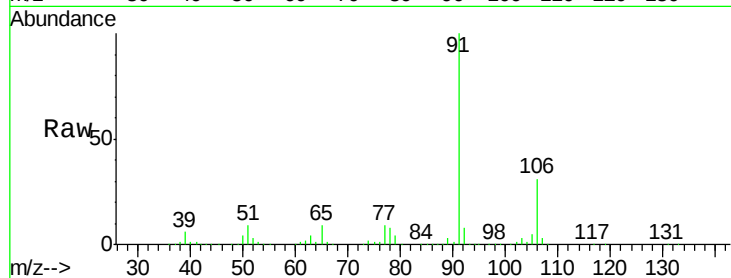
VSTDCCC050

Tot Ion: 91 Resp: 612584

Ion Ratio Lower Upper

91 100

106 31.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-2677) (-)

Ion 106.00 (105.70 to 106.70): VU024502.D (-2677) (-)

600000

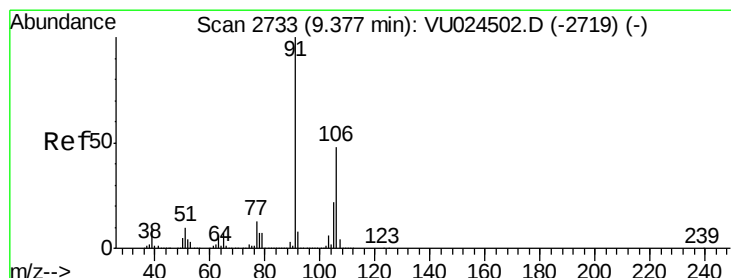
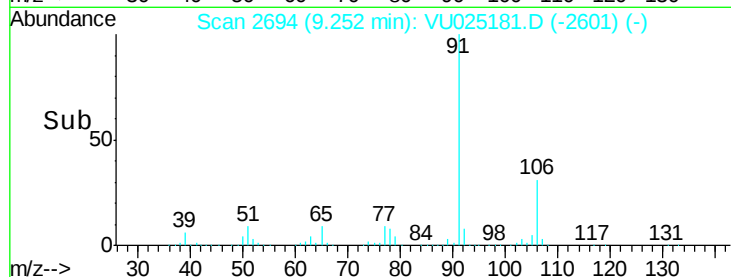
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 108.766 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025181.D

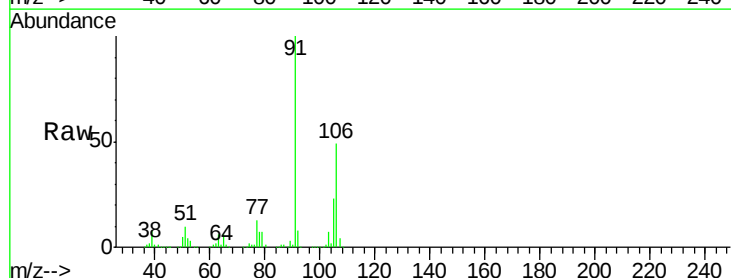
Acq: 03 Jul 2018 09:55

Tgt Ion: 106 Resp: 475594

Ion Ratio Lower Upper

106 100

91 203.7 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024502.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2719) (-)

600000

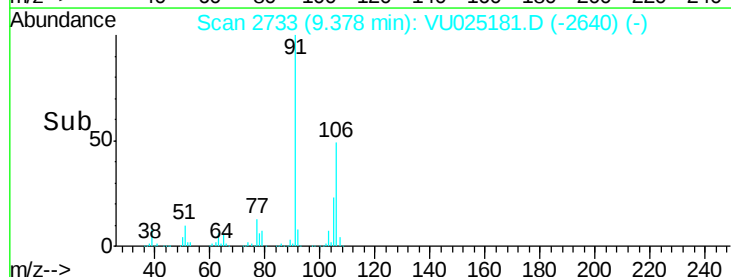
400000

200000

0

9.30 9.40 9.50

Time-->

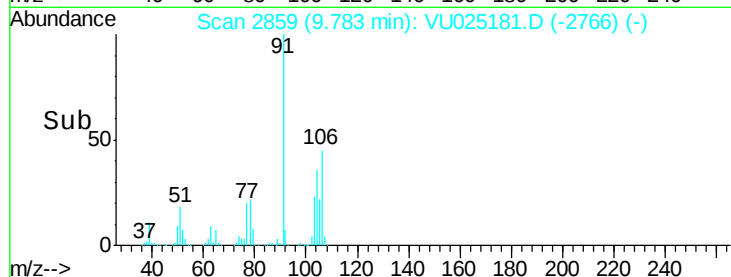
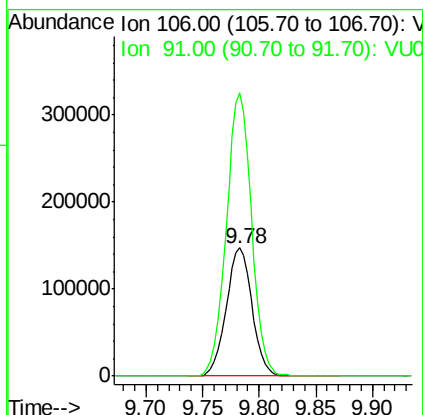
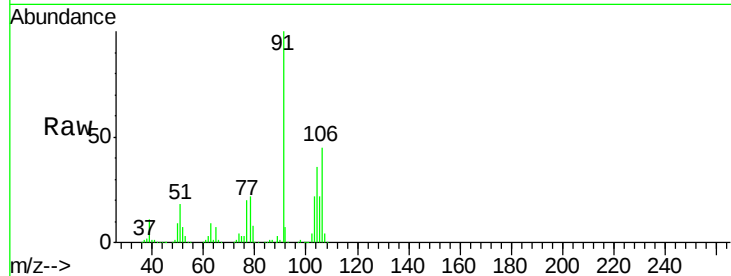




#69
o-Xylene
Concen: 53.703 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

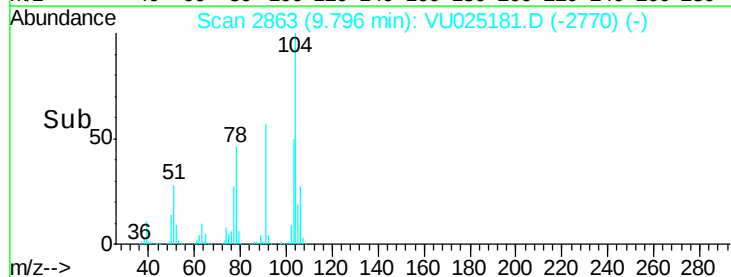
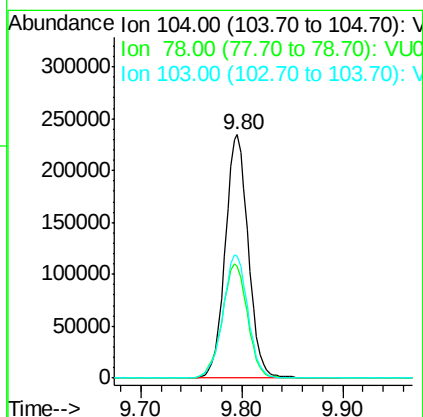
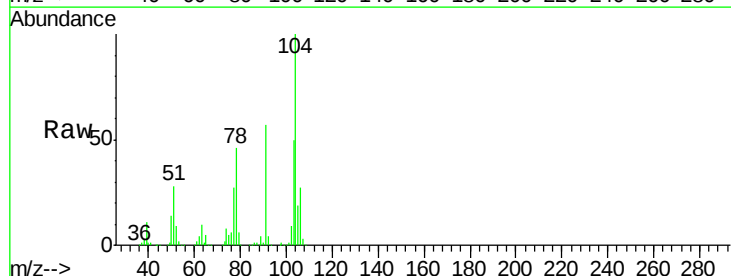
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

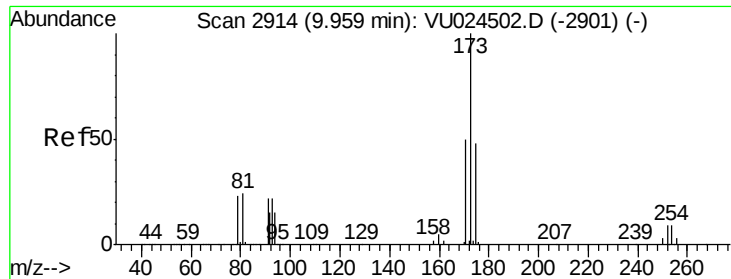
Tot Ion:106 Resp: 232396
Ion Ratio Lower Upper
106 100
91 217.1 110.7 331.9



#70
Styrene
Concen: 52.753 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion:104 Resp: 375151
Ion Ratio Lower Upper
104 100
78 51.5 40.6 60.8
103 54.6 44.7 67.1





#71

Bromoform

Concen: 48.370 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

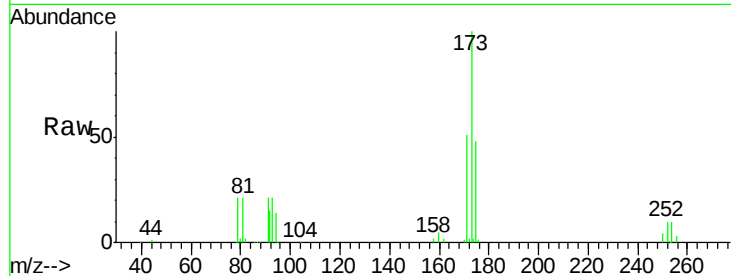
Tot Ion:173 Resp: 113456

Ion Ratio Lower Upper

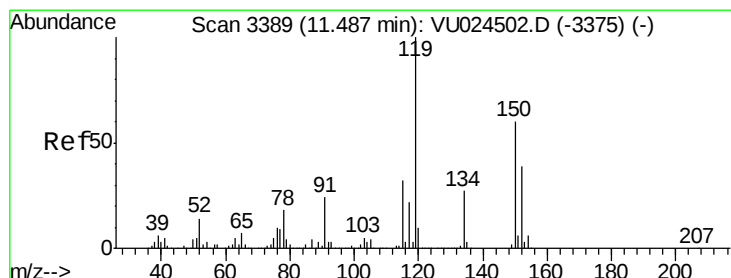
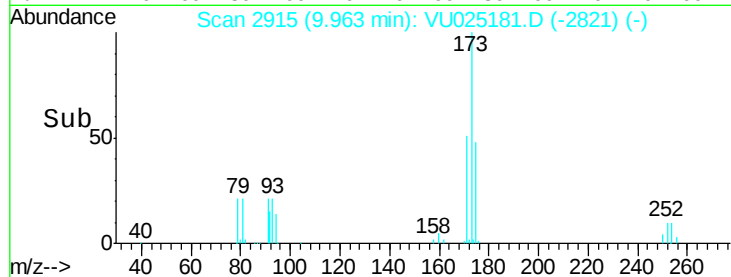
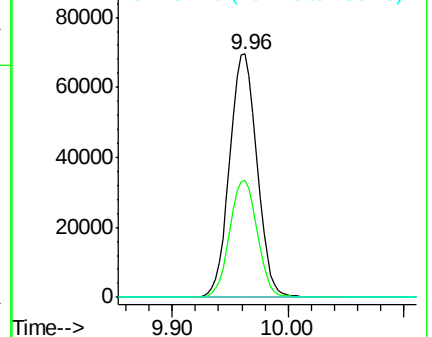
173 100

175 48.3 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: VU025181.D

Acq: 03 Jul 2018 09:55

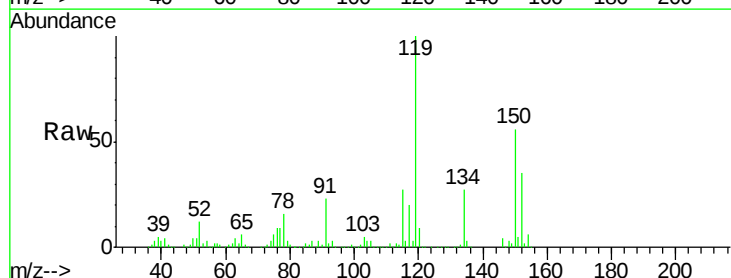
Tgt Ion:152 Resp: 157398

Ion Ratio Lower Upper

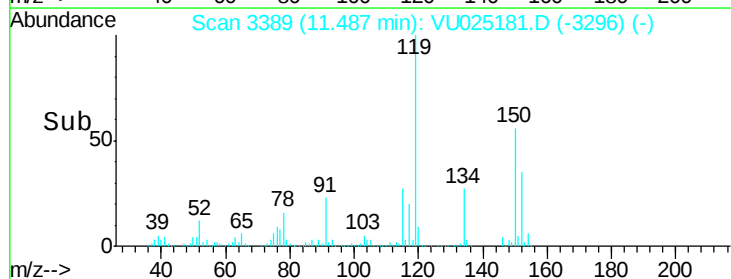
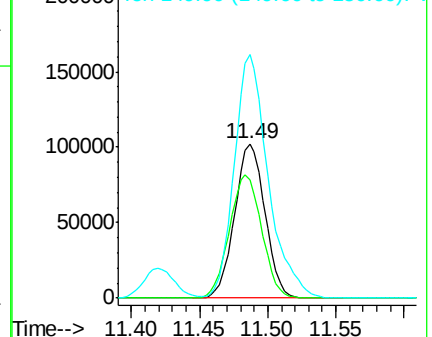
152 100

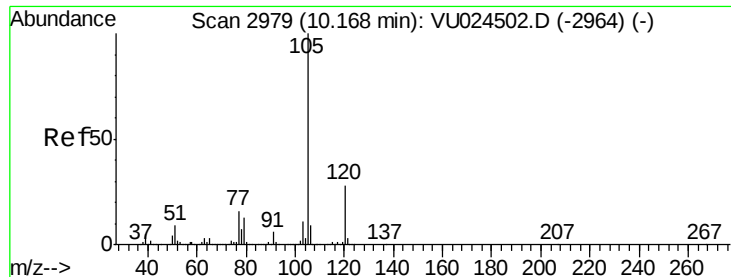
115 85.3 43.0 129.0

150 176.8 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: 52.540 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

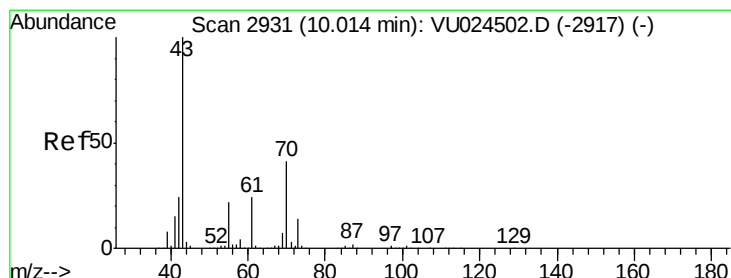
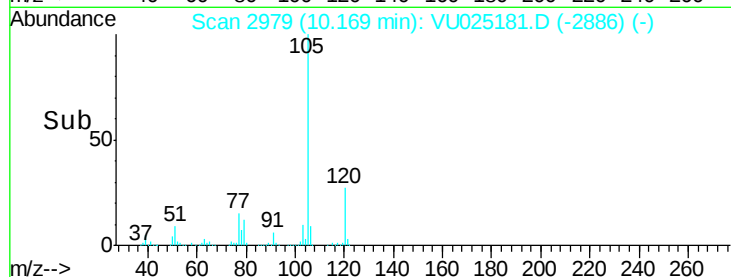
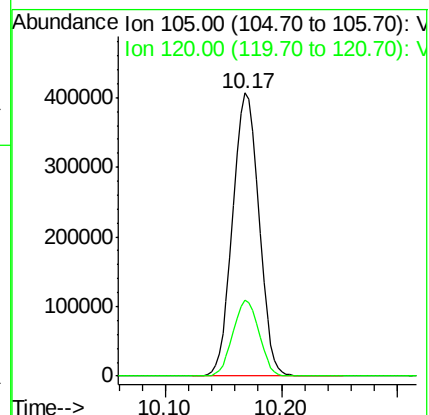
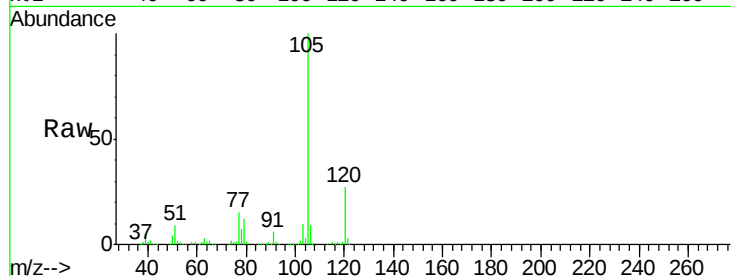
VSTDCCC050

Tot Ion:105 Resp: 634916

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 45.011 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Tgt Ion: 43 Resp: 258717

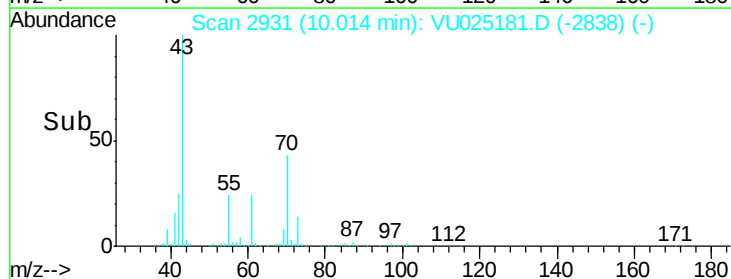
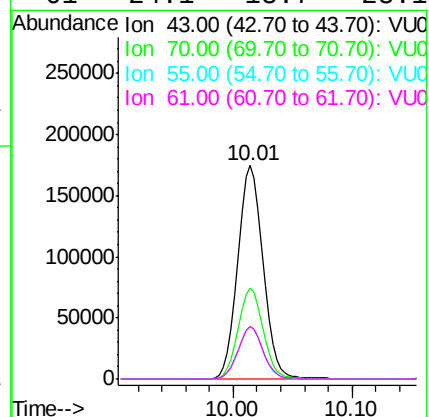
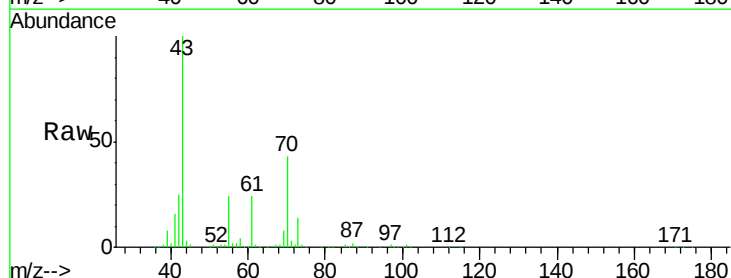
Ion Ratio Lower Upper

43 100

70 42.1 32.2 48.4

55 24.1 20.5 30.7

61 24.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.607 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

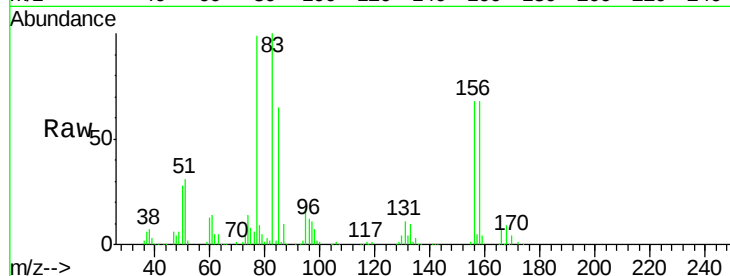
Tot Ion: 83 Resp: 200886

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

85 65.4 32.5 97.5

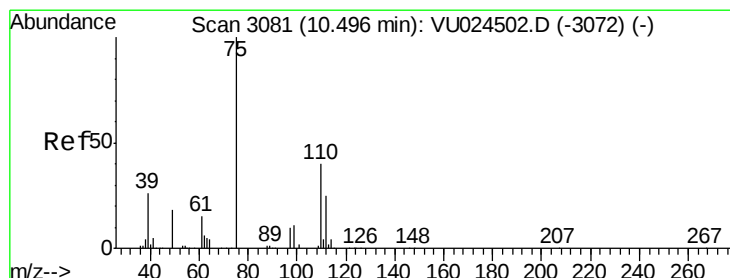
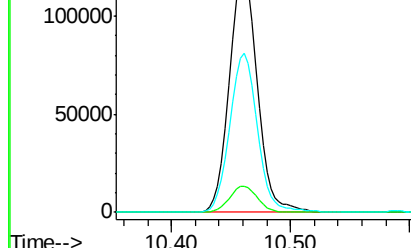
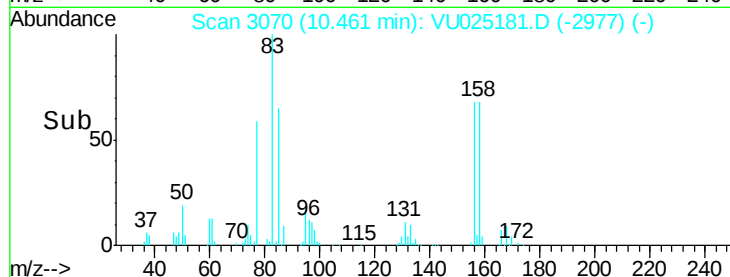


Abundance Ion 82.90 (82.60 to 83.60): VU025181.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025181.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025181.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 69.218 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025181.D

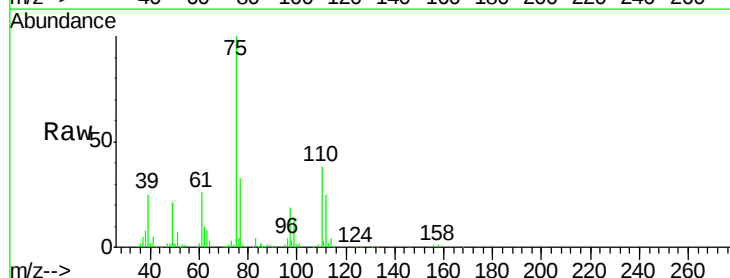
Acq: 03 Jul 2018 09:55

Tgt Ion: 75 Resp: 239863

Ion Ratio Lower Upper

75 100

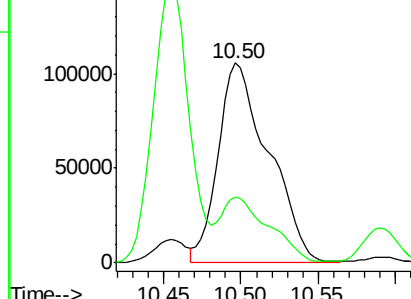
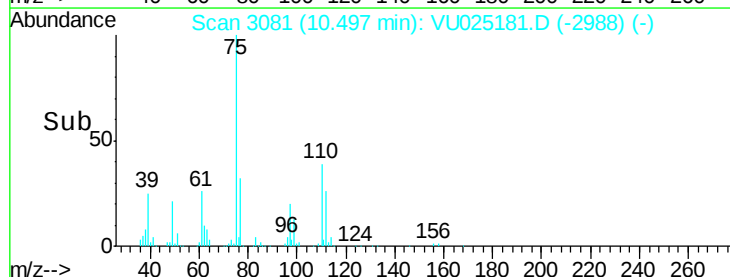
77 30.2 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025181.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025181.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 51.724 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

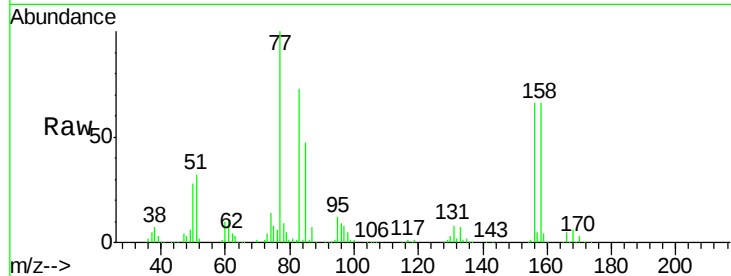
Tot Ion:156 Resp: 158240

Ion Ratio Lower Upper

156 100

77 150.9 80.5 241.3

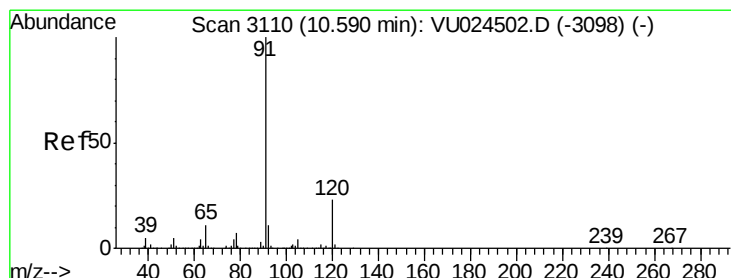
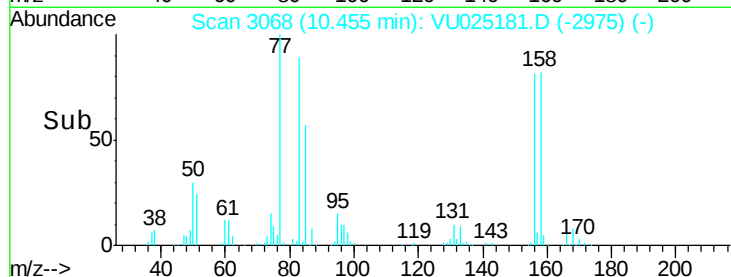
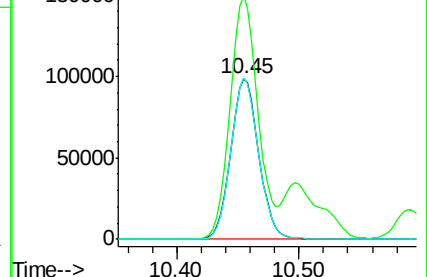
158 99.7 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.808 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025181.D

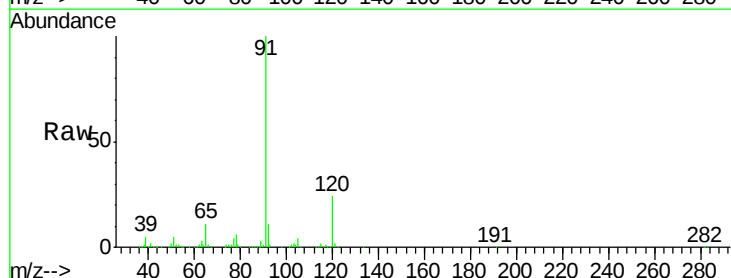
Acq: 03 Jul 2018 09:55

Tgt Ion: 91 Resp: 723260

Ion Ratio Lower Upper

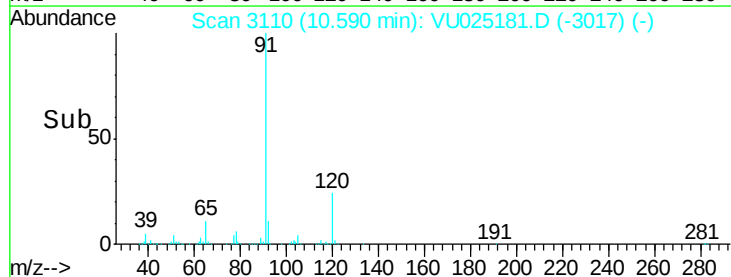
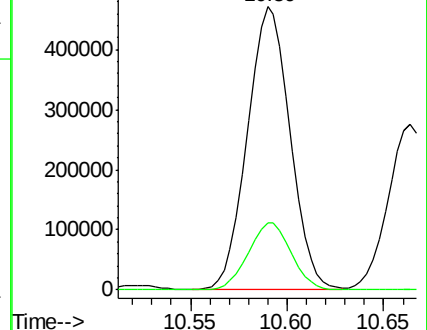
91 100

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: 51.264 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

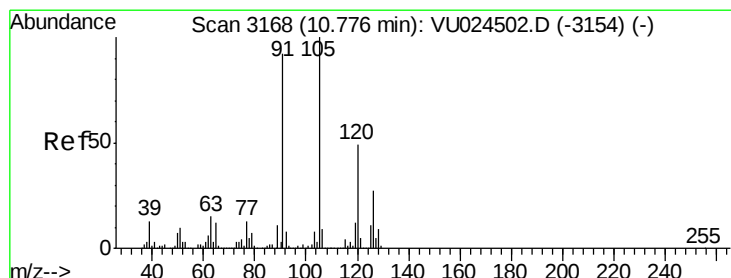
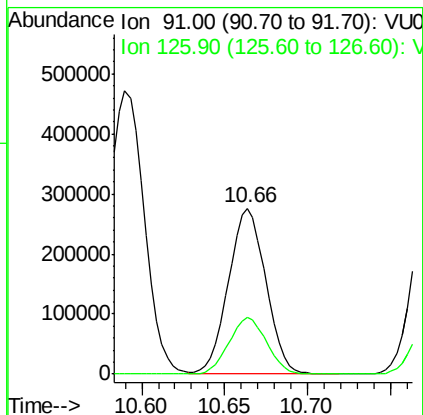
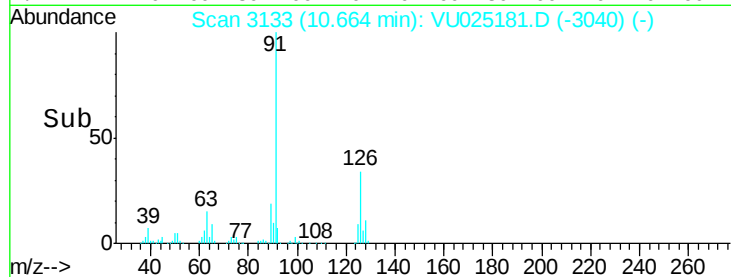
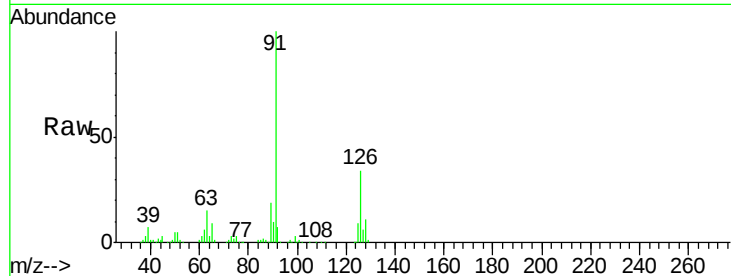
VSTDCCC050

Tot Ion: 91 Resp: 430351

Ion Ratio Lower Upper

91 100

126 34.6 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 52.144 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025181.D

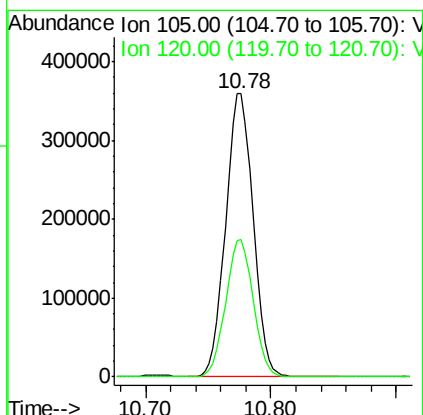
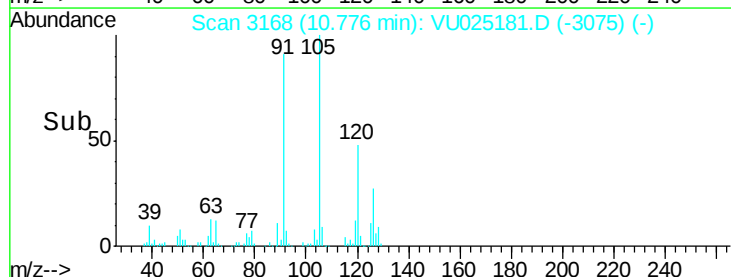
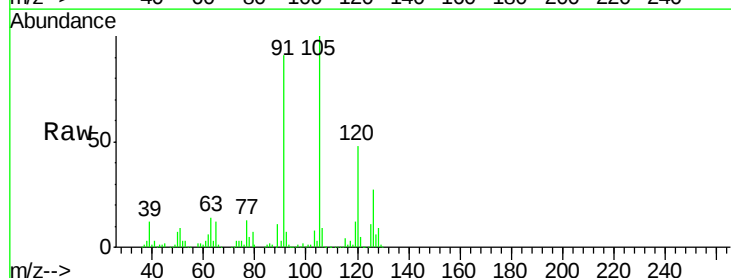
Acq: 03 Jul 2018 09:55

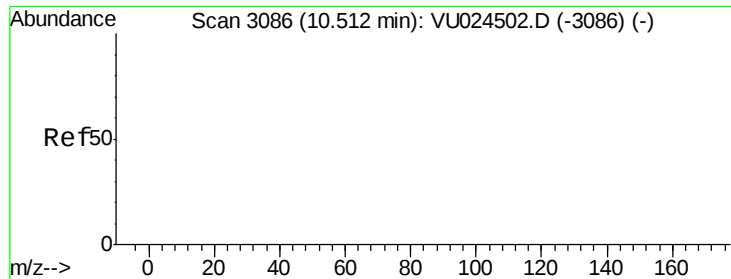
Tgt Ion: 105 Resp: 546164

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2

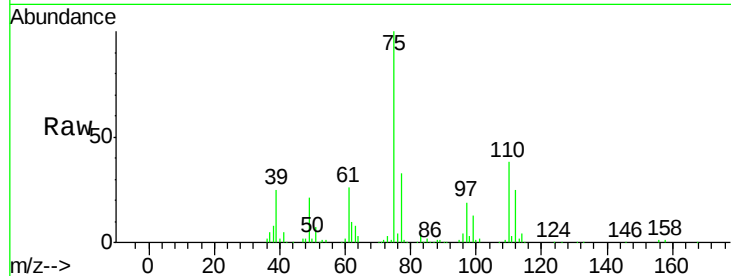




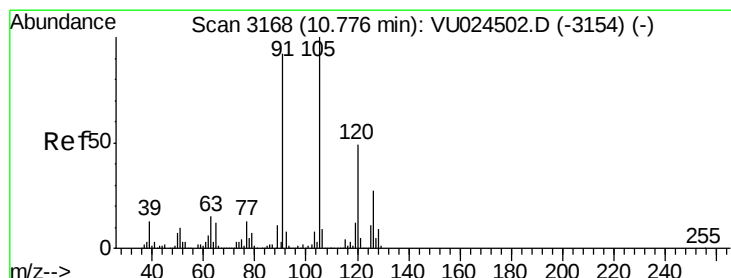
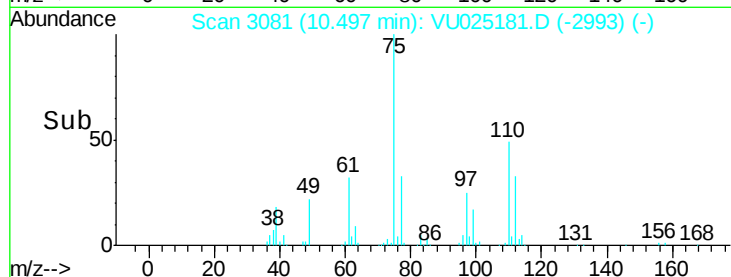
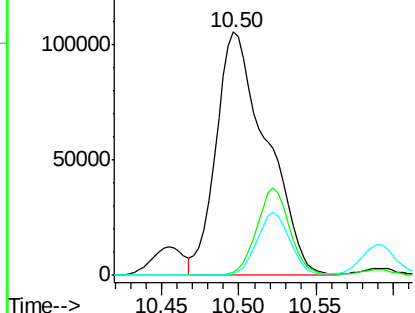
#81
trans-1,4-Dichloro-2-butene
Concen: 160.199 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 239863
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

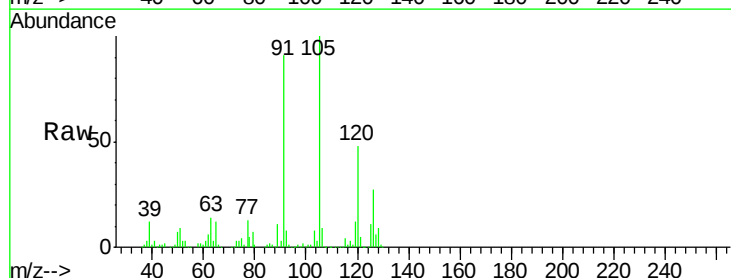


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

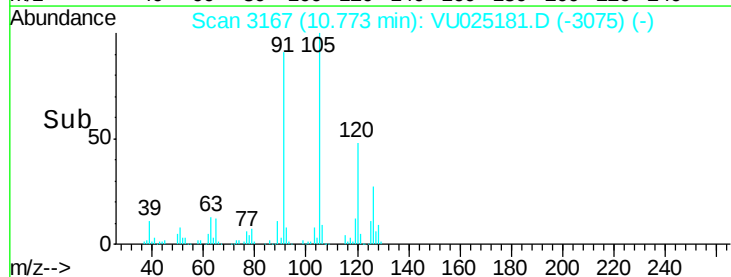
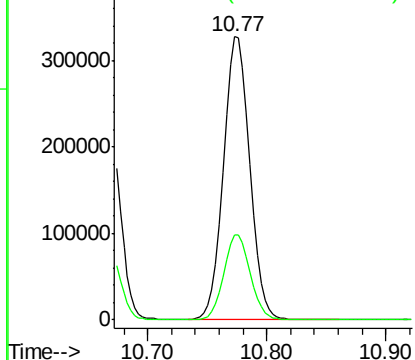


#82
4-Chlorotoluene
Concen: 51.259 ug/l
RT: 10.77 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VU025181.D
Acq: 03 Jul 2018 09:55

Tgt Ion: 91 Resp: 500834
Ion Ratio Lower Upper
91 100
126 30.0 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: 53.663 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

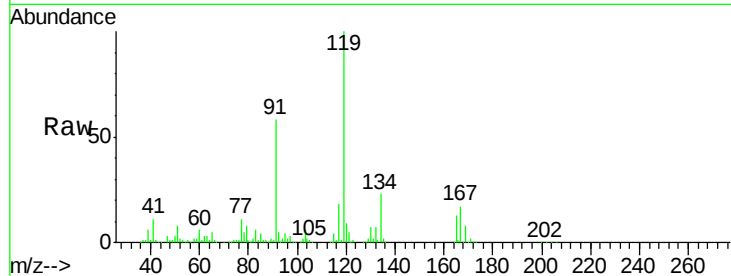
Tot Ion:119 Resp: 540671

Ion Ratio Lower Upper

119 100

91 58.9 29.7 89.1

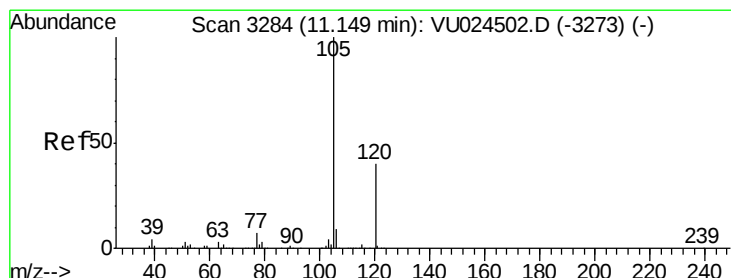
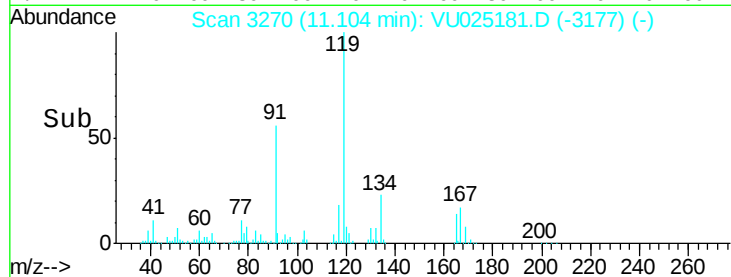
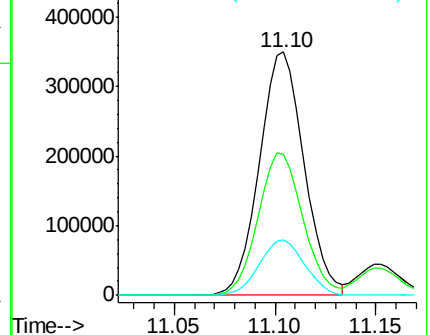
134 23.2 11.6 34.7



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: 53.127 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025181.D

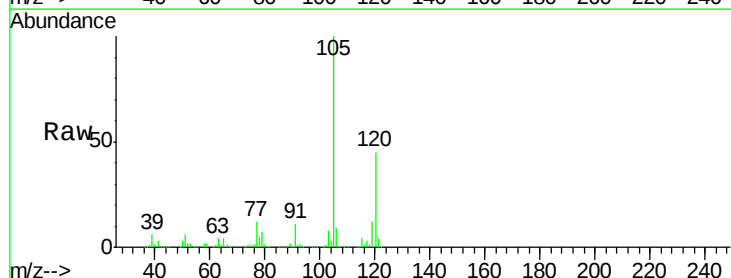
Acq: 03 Jul 2018 09:55

Tgt Ion:105 Resp: 567083

Ion Ratio Lower Upper

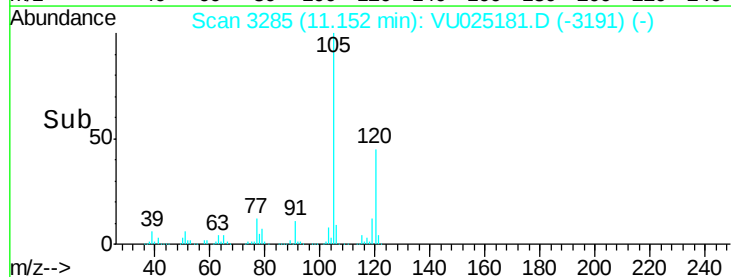
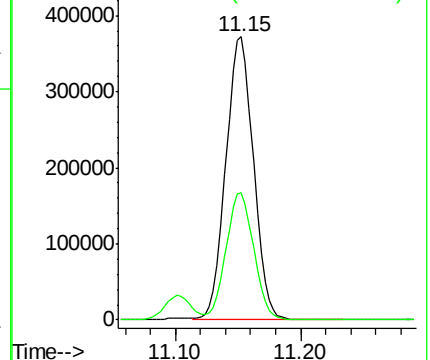
105 100

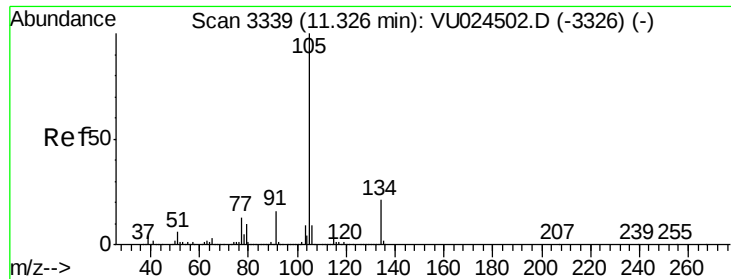
120 45.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.053 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

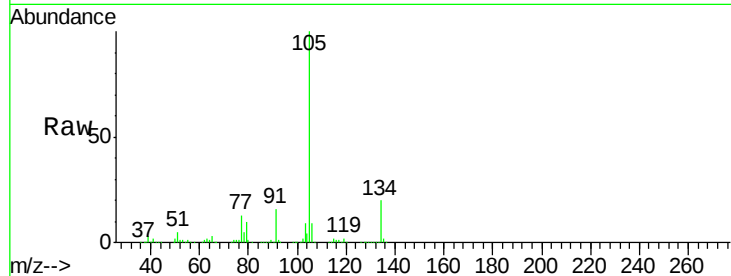
VSTDCCC050

Tot Ion:105 Resp: 656467

Ion Ratio Lower Upper

105 100

134 20.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

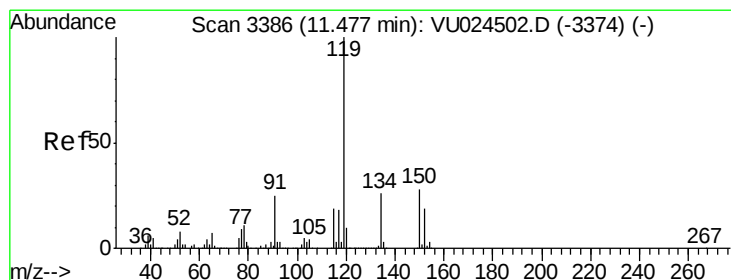
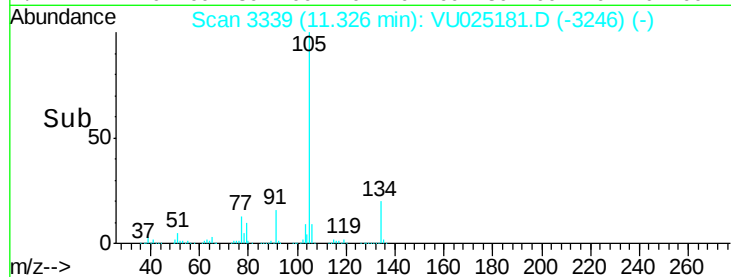
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.306 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

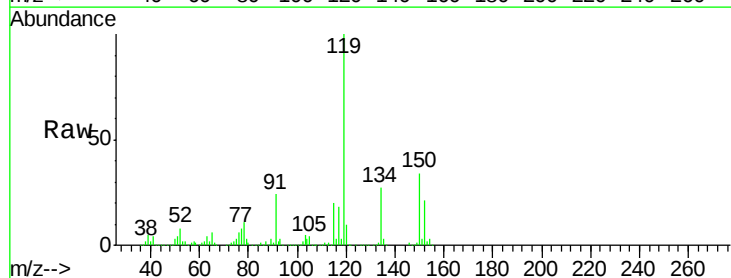
Tgt Ion:119 Resp: 590805

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 23.9 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

11.48

400000

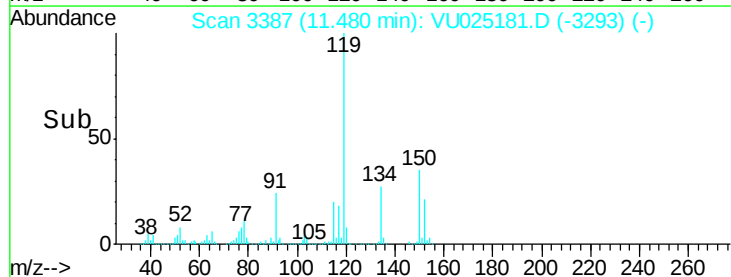
300000

200000

100000

0

Time-->

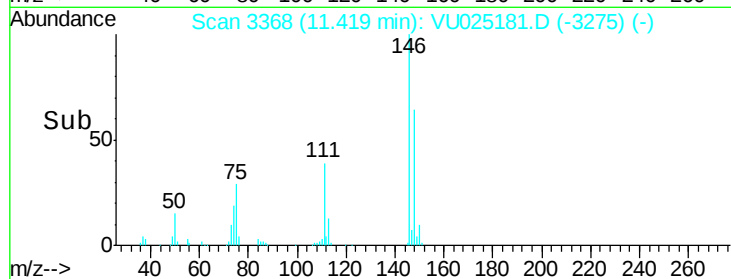
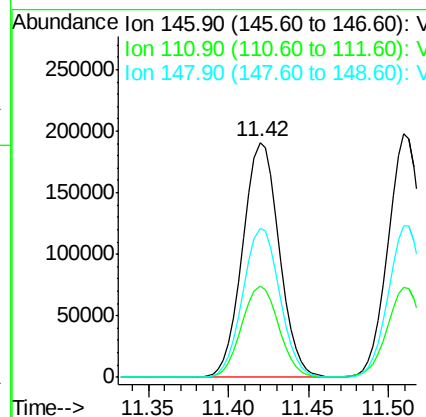
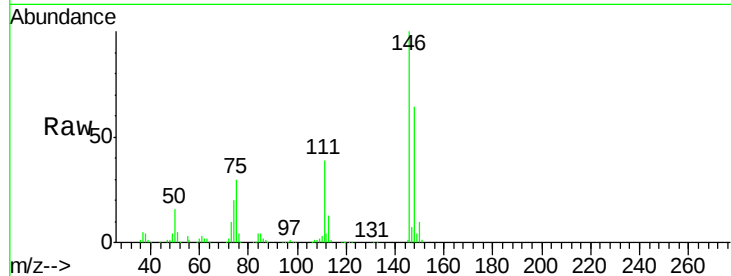




#87
 1,3-Dichlorobenzene
 Concen: 52.413 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

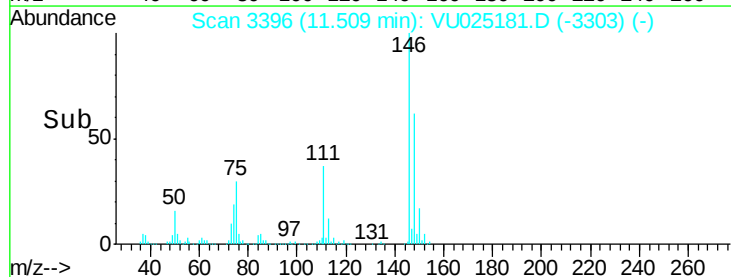
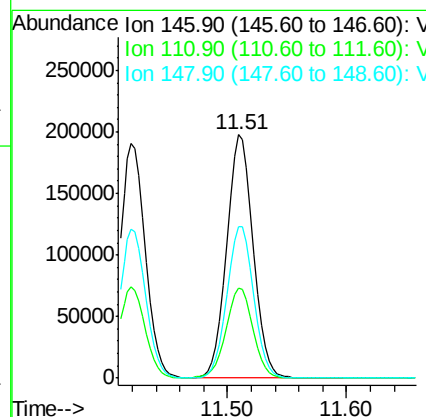
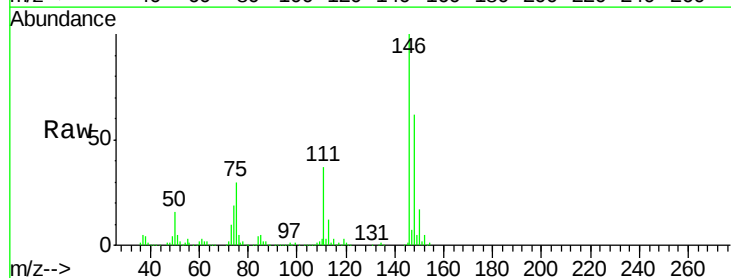
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

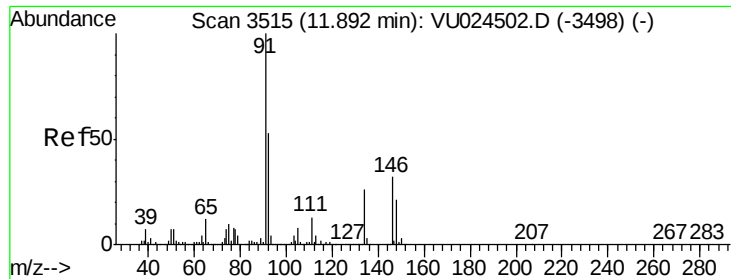
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	64.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.259 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.5	58.5
148	63.4	32.4	97.0





#89

n-Butylbenzene

Concen: 49.395 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

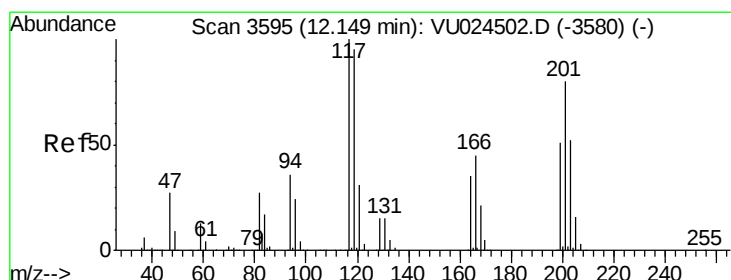
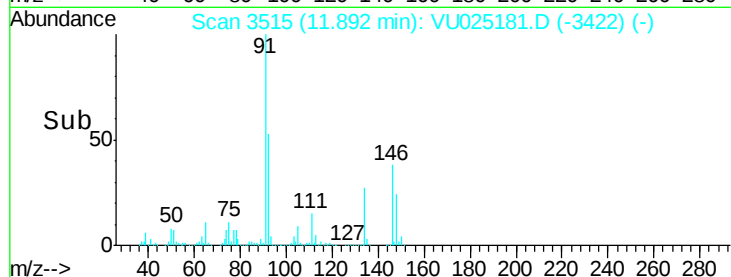
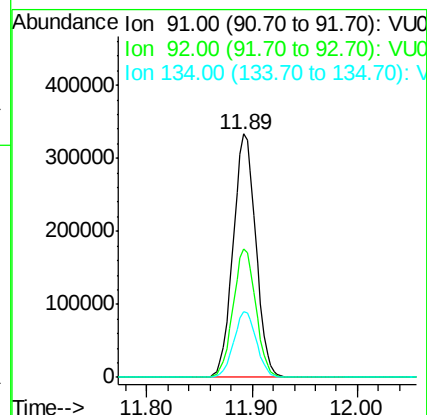
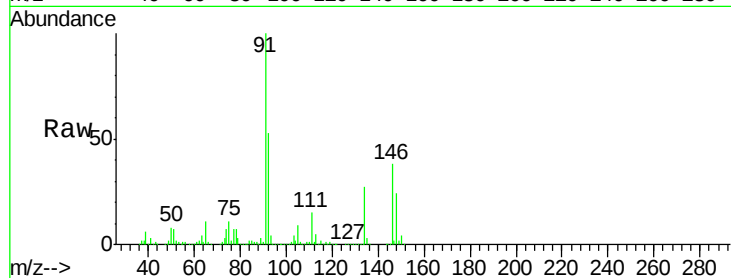
Tot Ion: 91 Resp: 495330

Ion Ratio Lower Upper

91 100

92 52.7 25.6 76.8

134 26.9 12.3 36.8



#90

Hexachloroethane

Concen: 46.106 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025181.D

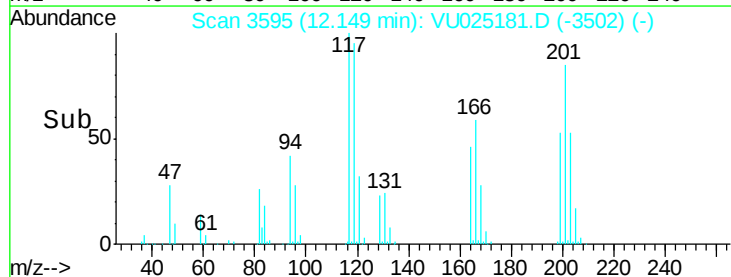
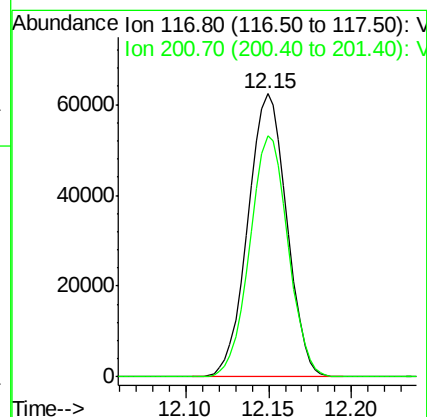
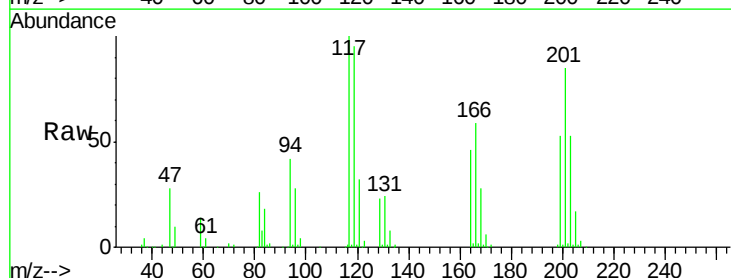
Acq: 03 Jul 2018 09:55

Tgt Ion: 117 Resp: 101591

Ion Ratio Lower Upper

117 100

201 84.1 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 53.660 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

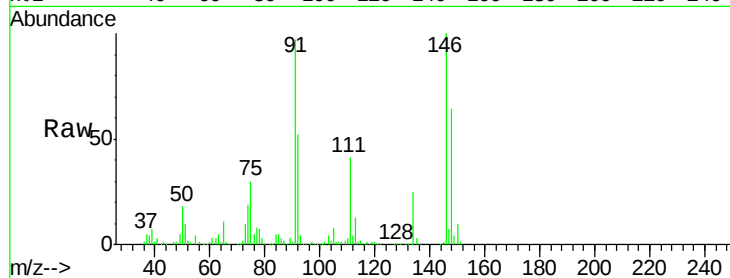
Tot Ion:146 Resp: 303785

Ion Ratio Lower Upper

146 100

111 41.4 20.5 61.6

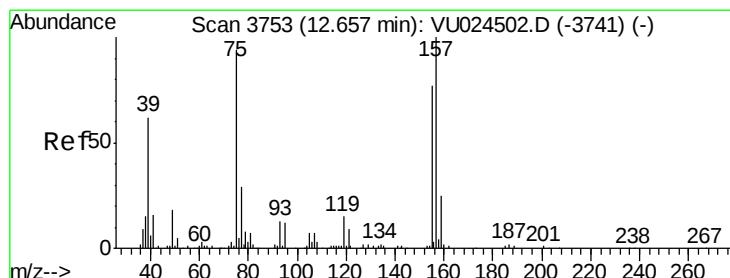
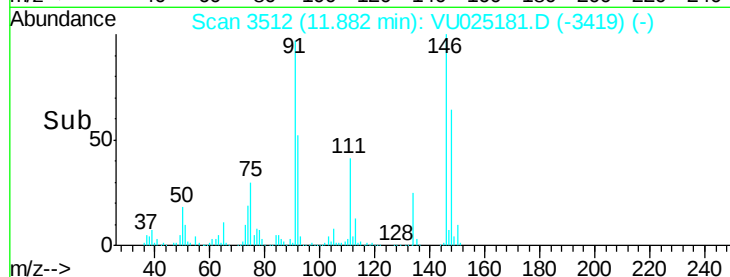
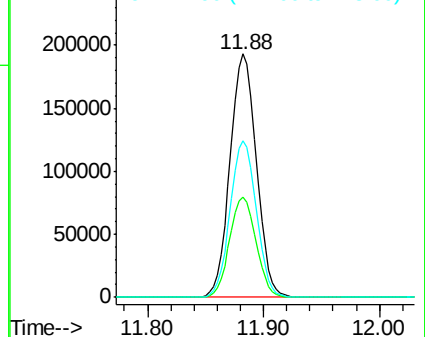
148 63.9 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.330 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

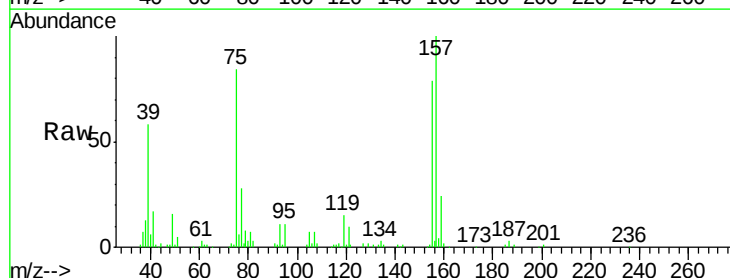
Tgt Ion: 75 Resp: 50651

Ion Ratio Lower Upper

75 100

155 89.7 40.4 121.2

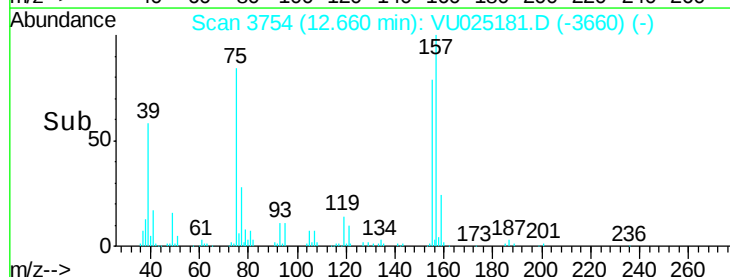
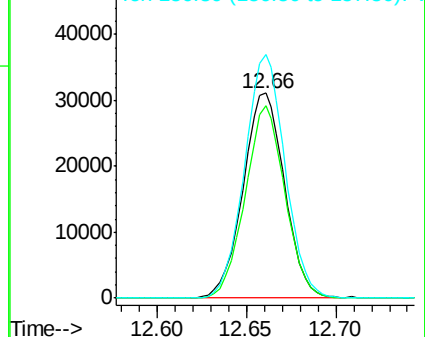
157 115.8 52.3 156.8



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

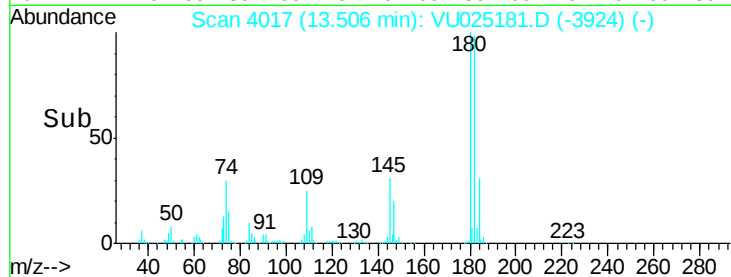
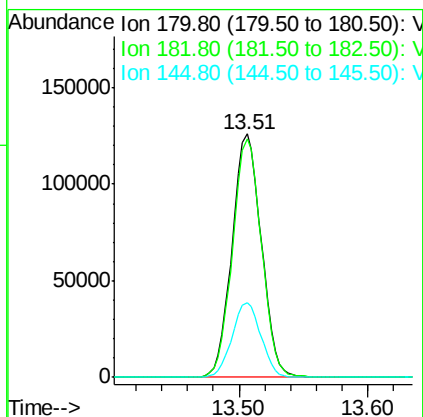
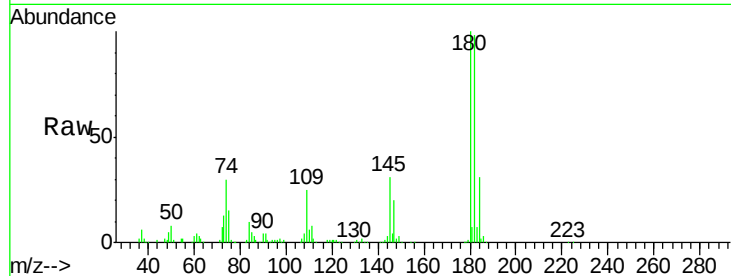




#93
 1,2,4-Trichlorobenzene
 Concen: 56.806 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

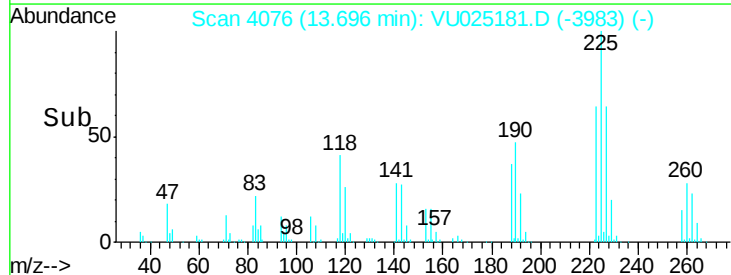
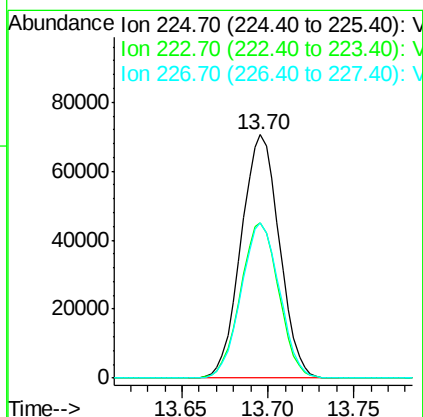
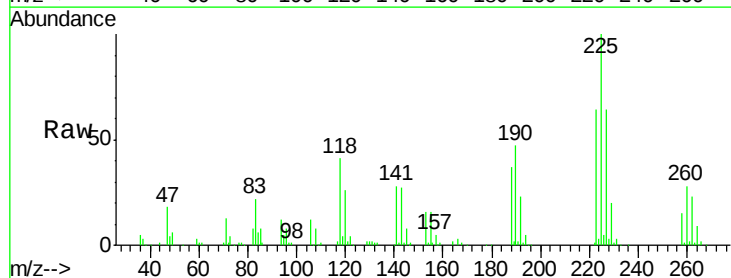
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.0	144.2
145	30.4	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 55.566 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025181.D
 Acq: 03 Jul 2018 09:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.3	93.8
227	63.6	31.8	95.4





#95

Naphthalene

Concen: 53.172 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

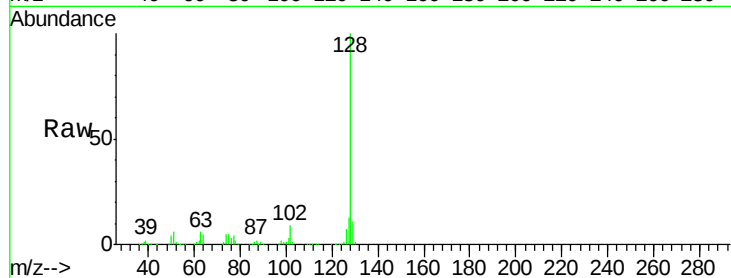
Tot Ion:128 Resp: 615891

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

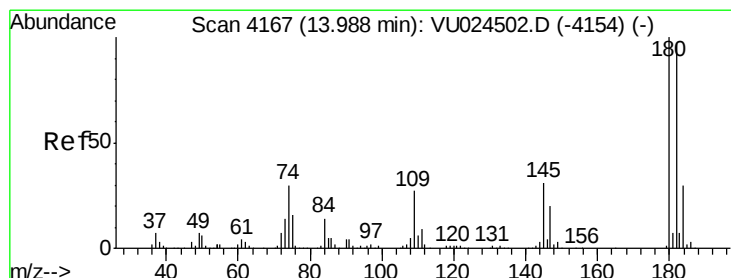
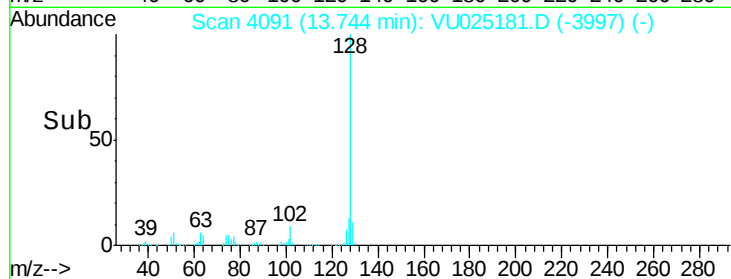
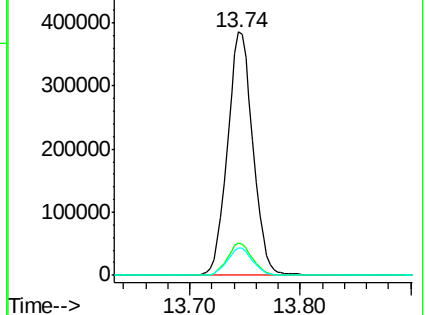
129 10.9 8.6 12.8



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: 58.873 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025181.D

Acq: 03 Jul 2018 09:55

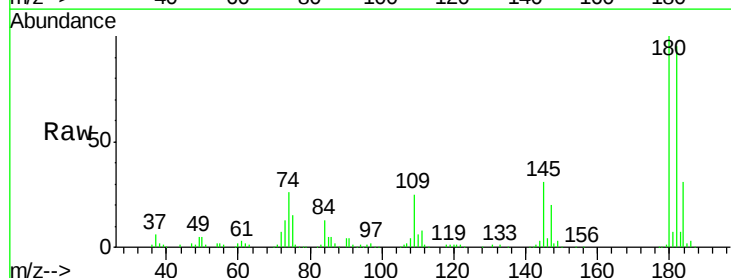
Tgt Ion:180 Resp: 205085

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 31.5 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

