

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

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 05 04:39:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253125	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	143405	50.00	ug/l	0.00

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

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

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

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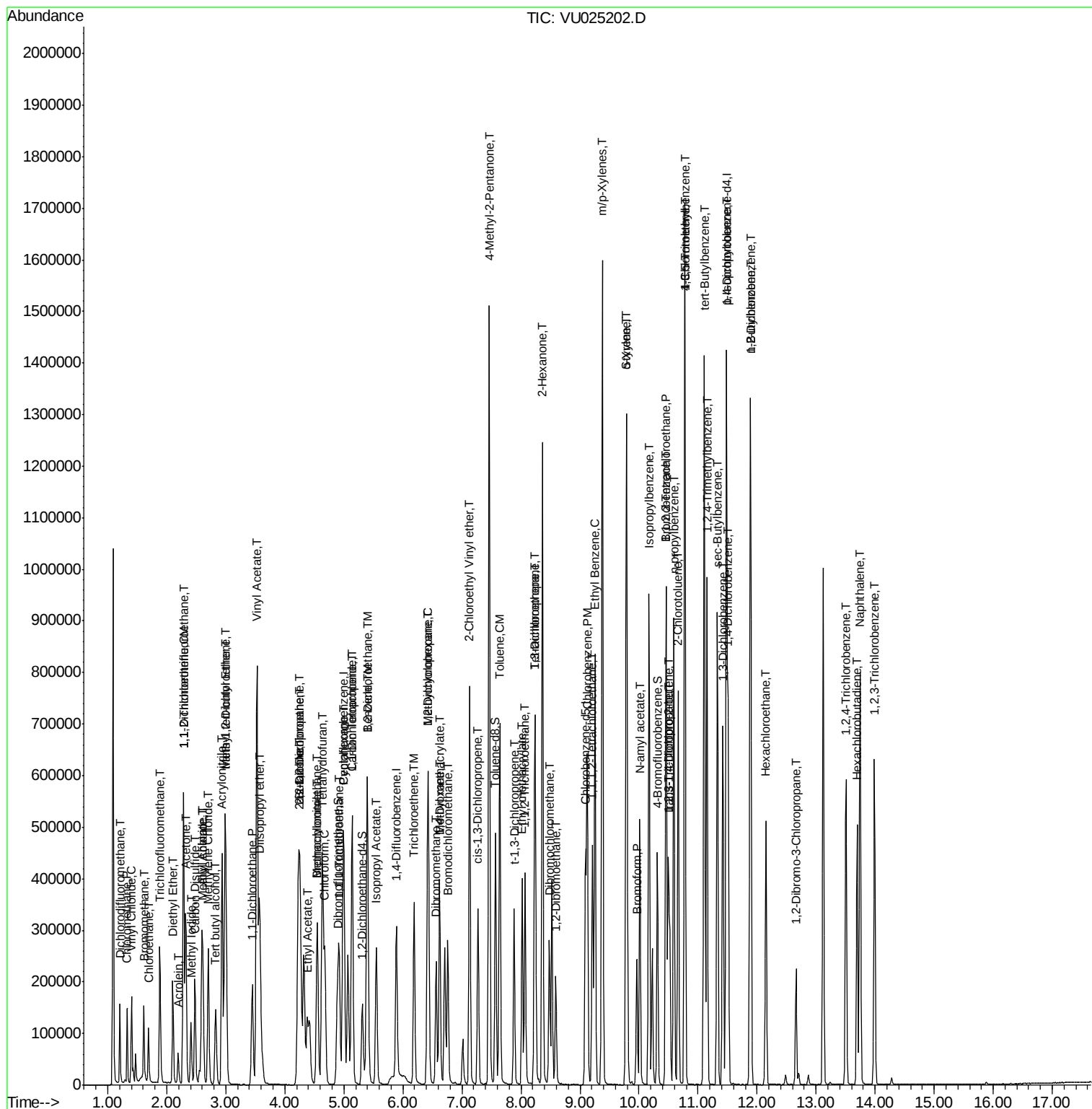
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	183989	57.764	ug/l	99
94) Hexachlorobutadiene	13.70	225	94604	52.769	ug/l	99
95) Naphthalene	13.74	128	623913	59.044	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192979	60.803	ug/l	99

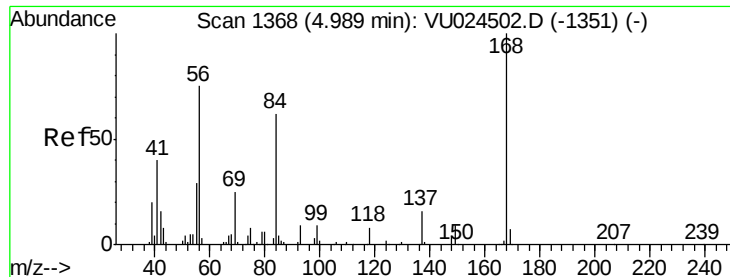
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

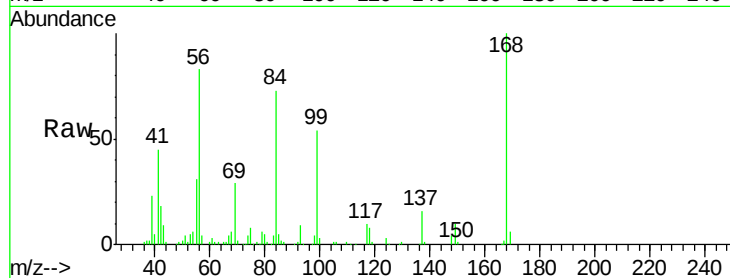
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 164290

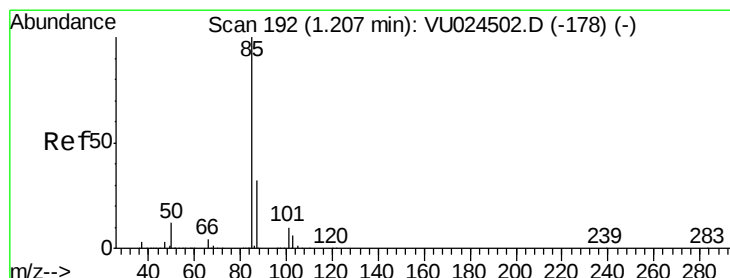
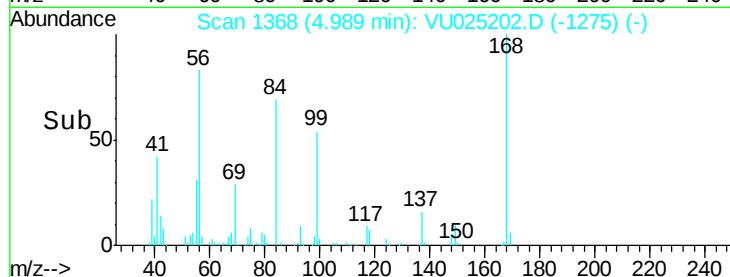
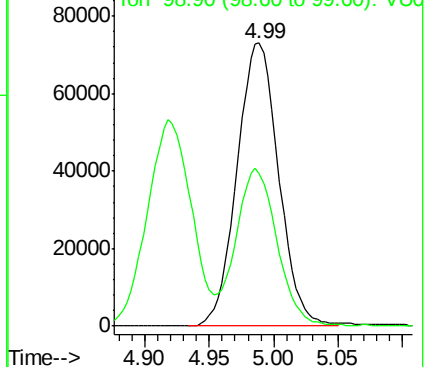
Ion Ratio Lower Upper

168 100

99 53.5 43.2 64.8



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



#2

Dichlorodifluoromethane

Concen: 42.250 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025202.D

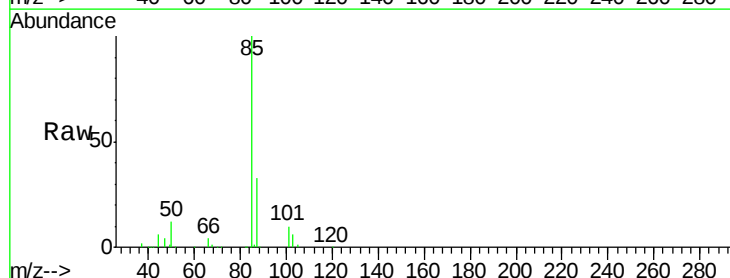
Acq: 03 Jul 2018 20:28

Tgt Ion: 85 Resp: 86883

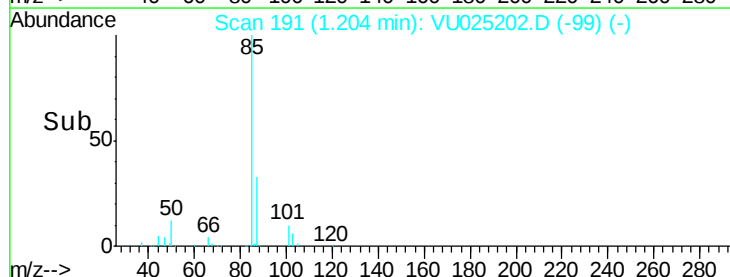
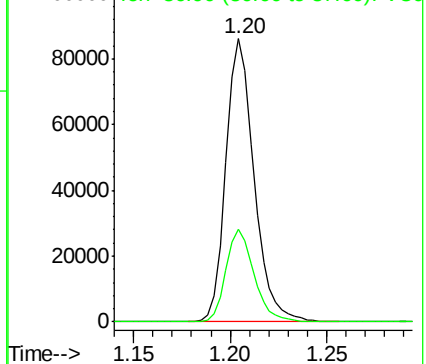
Ion Ratio Lower Upper

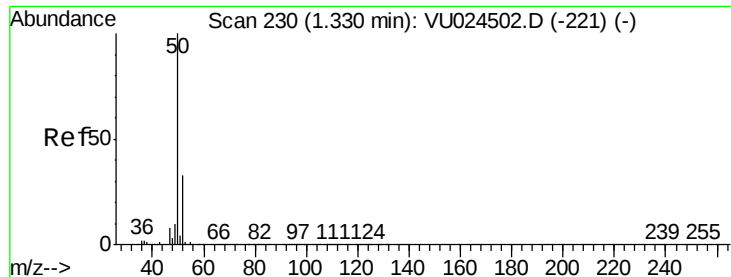
85 100

87 32.6 16.1 48.2



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





#3

Chloromethane

Concen: 43.826 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

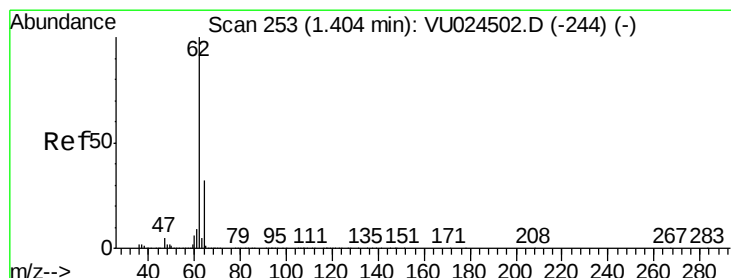
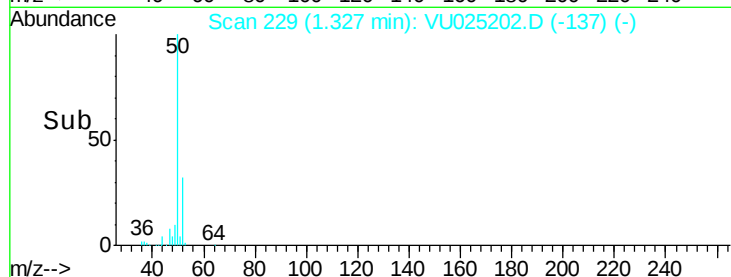
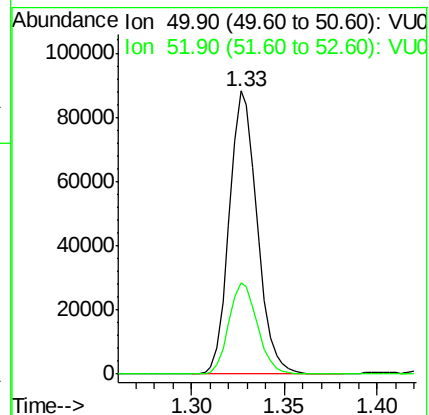
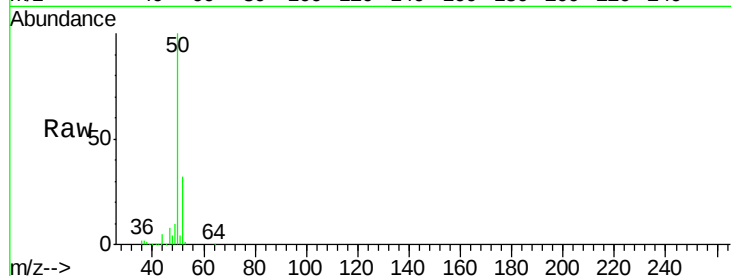
VSTDCCC050EC

Tot Ion: 50 Resp: 92074

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6



#4

Vinyl Chloride

Concen: 47.754 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025202.D

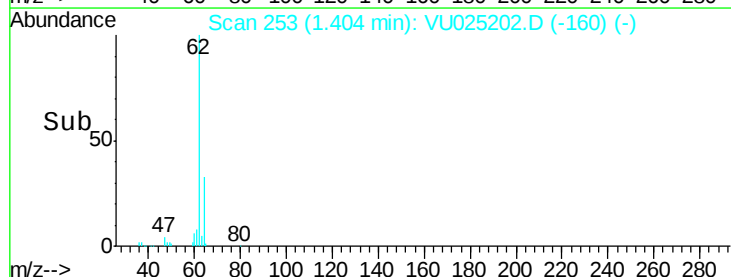
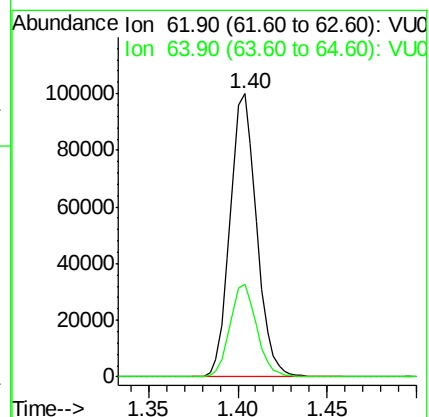
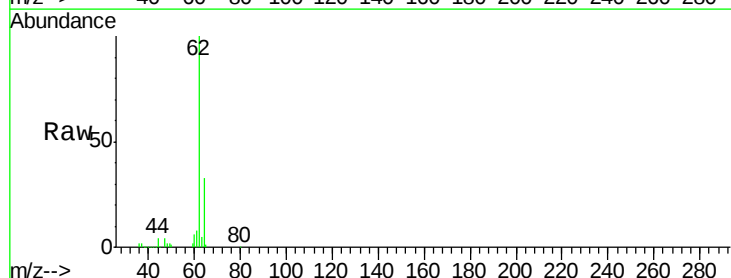
Acq: 03 Jul 2018 20:28

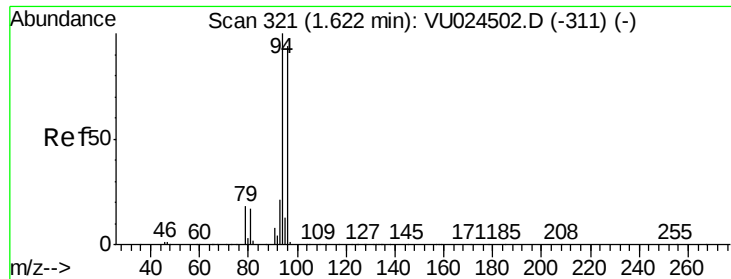
Tgt Ion: 62 Resp: 103465

Ion Ratio Lower Upper

62 100

64 32.7 24.8 37.2





#5

Bromomethane

Concen: 60.017 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

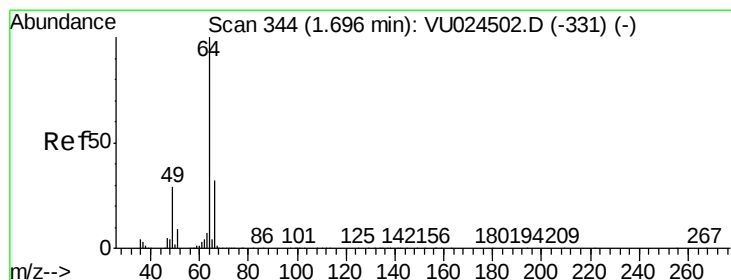
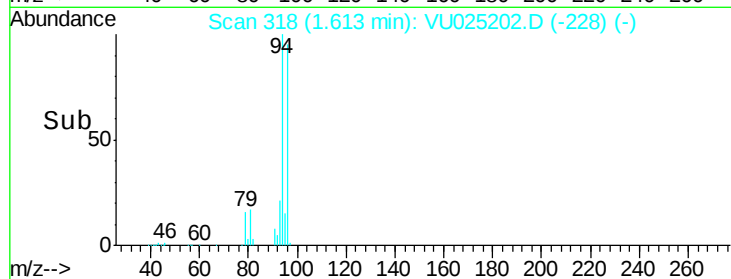
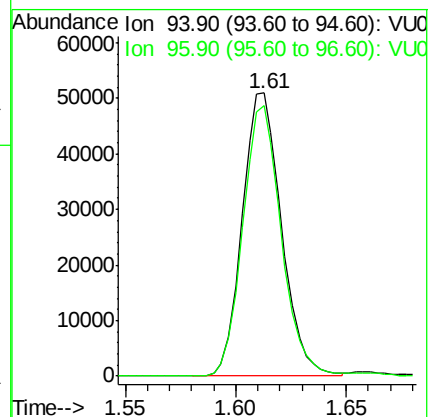
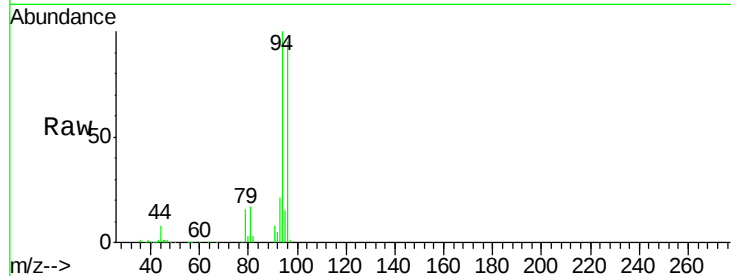
VSTDCCC050EC

Tot Ion: 94 Resp: 62861

Ion Ratio Lower Upper

94 100

96 95.4 74.5 111.7



#6

Chloroethane

Concen: 55.470 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025202.D

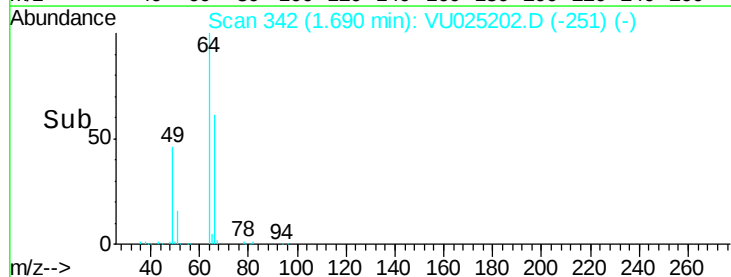
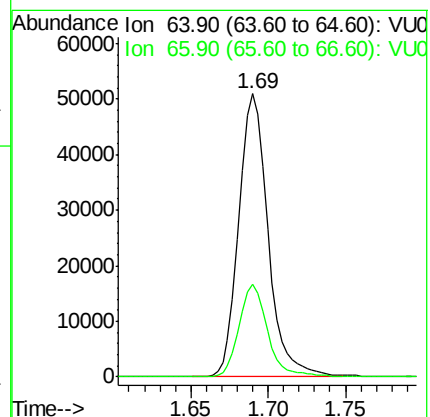
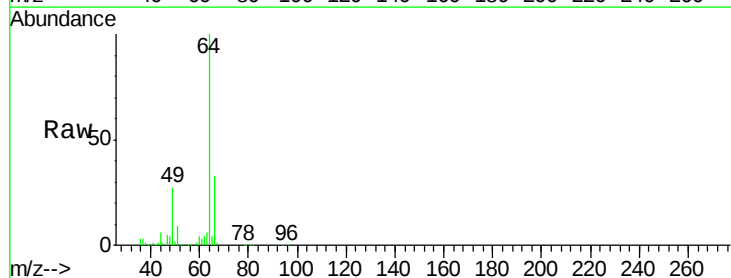
Acq: 03 Jul 2018 20:28

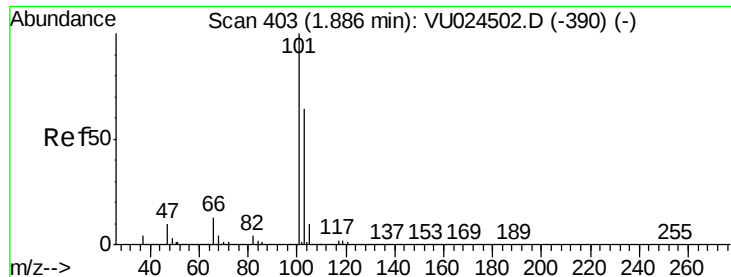
Tgt Ion: 64 Resp: 67018

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3



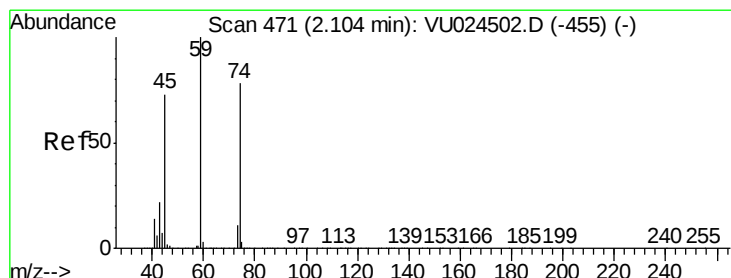
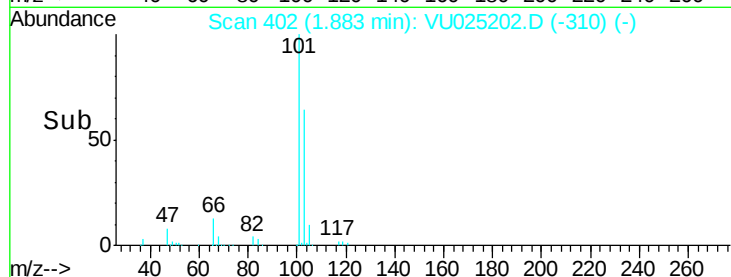
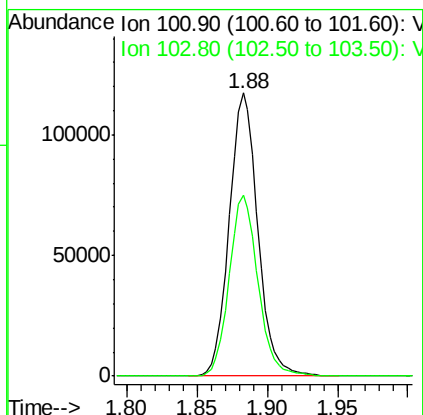
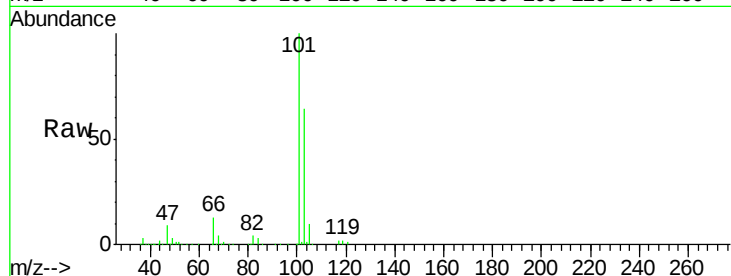


#7

Trichlorofluoromethane
Concen: 50.405 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

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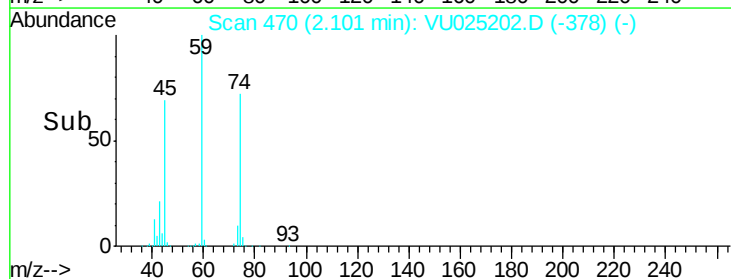
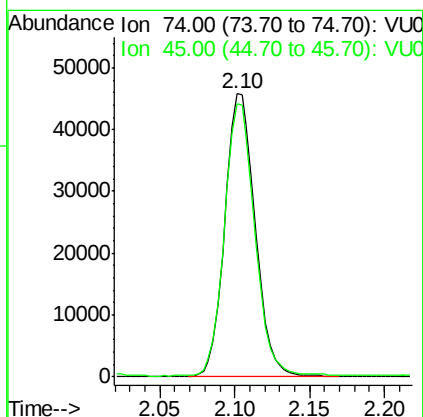
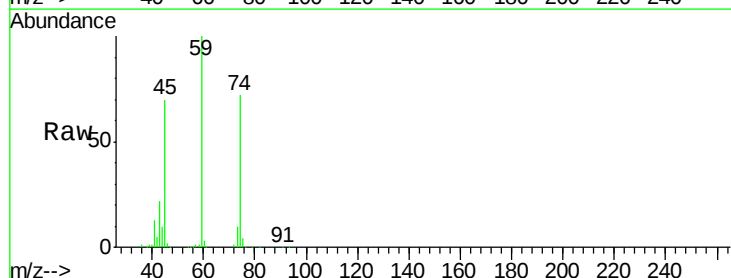
Tot Ion:101 Resp: 166664
Ion Ratio Lower Upper
101 100
103 63.9 52.3 78.5

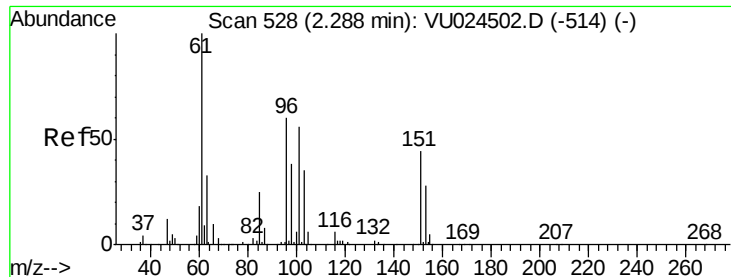


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.012 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025202.D

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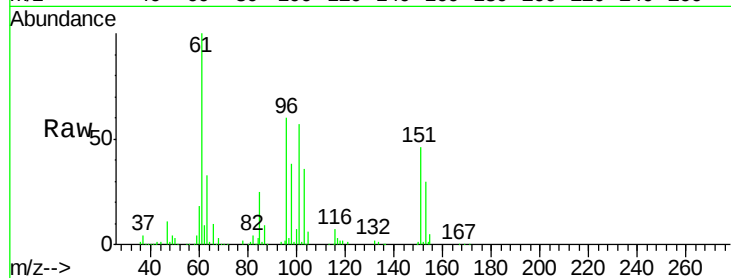
Tot Ion:101 Resp: 102590

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

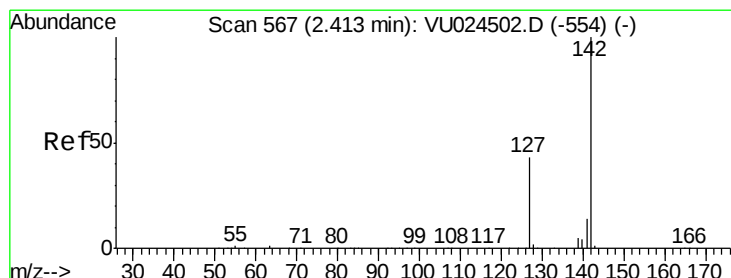
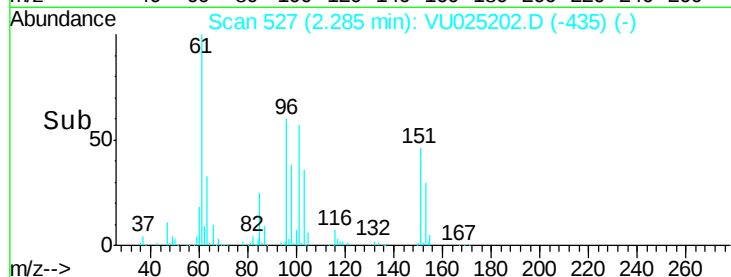
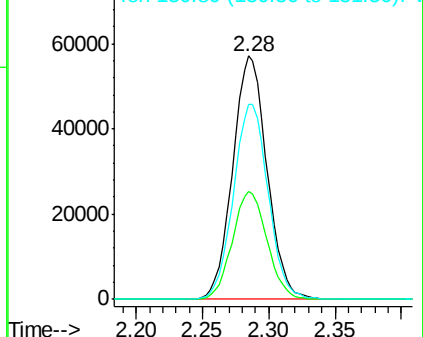
151 81.3 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 65.984 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

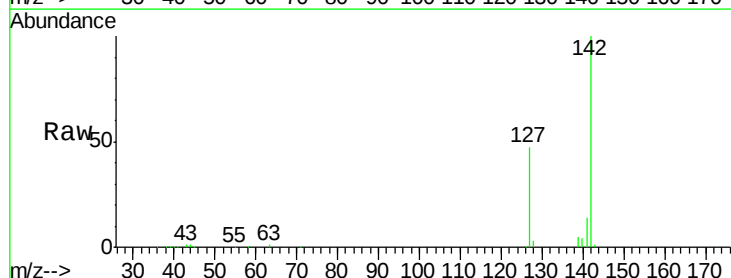
Tgt Ion:142 Resp: 117833

Ion Ratio Lower Upper

142 100

127 46.0 35.6 53.4

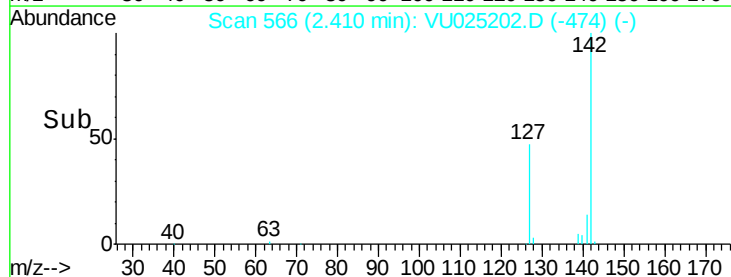
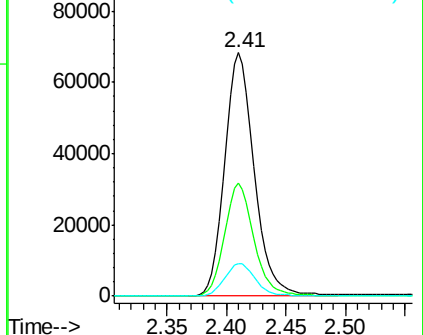
141 13.9 11.7 17.5

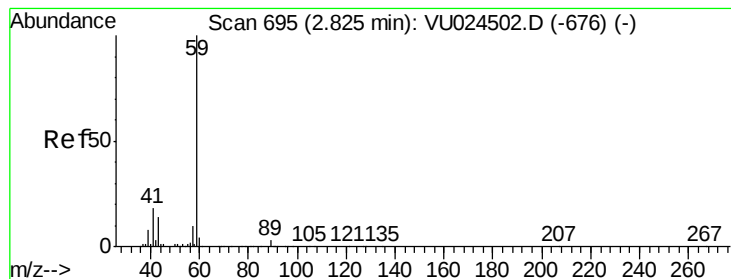


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



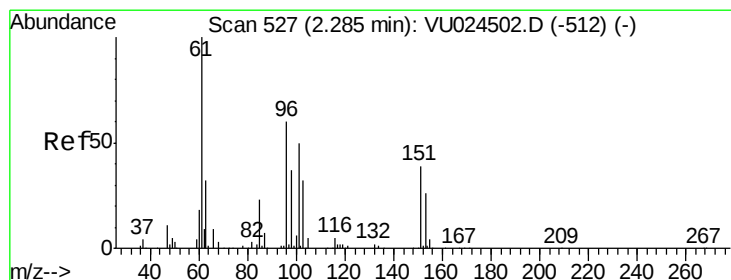
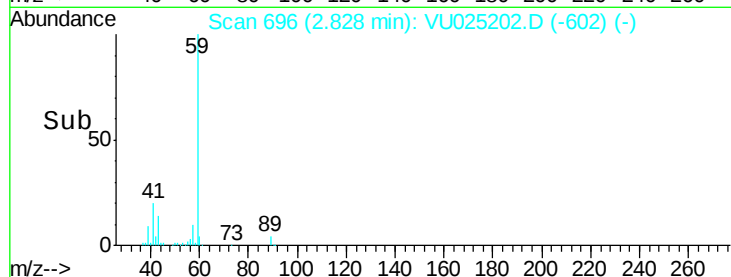
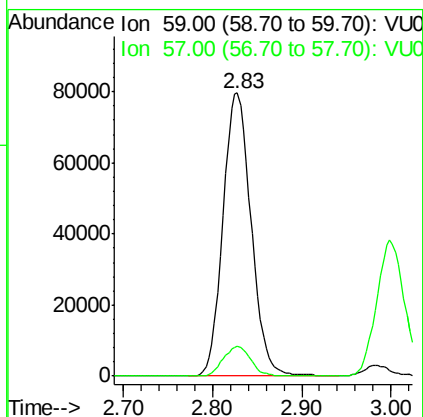
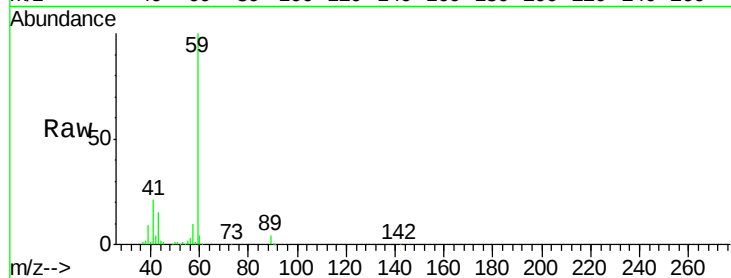


#11

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

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

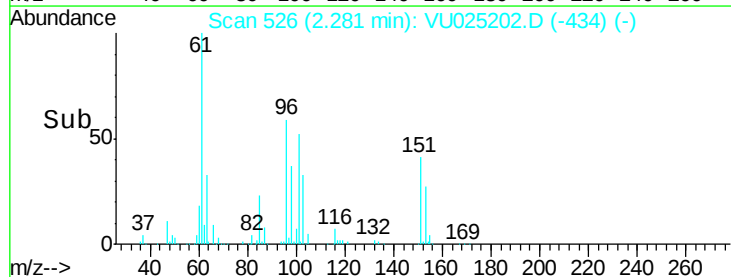
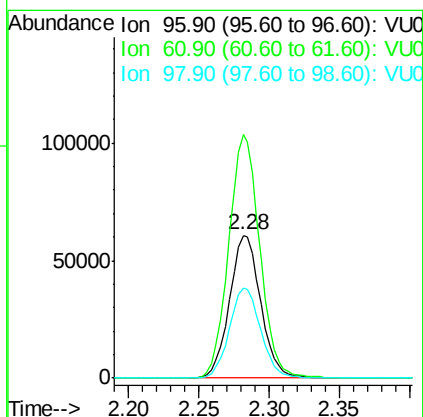
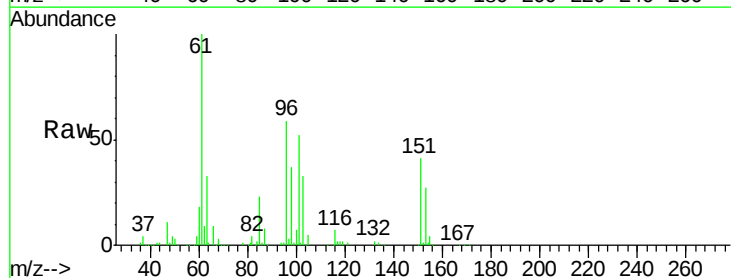
Tot Ion: 59 Resp: 174224
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

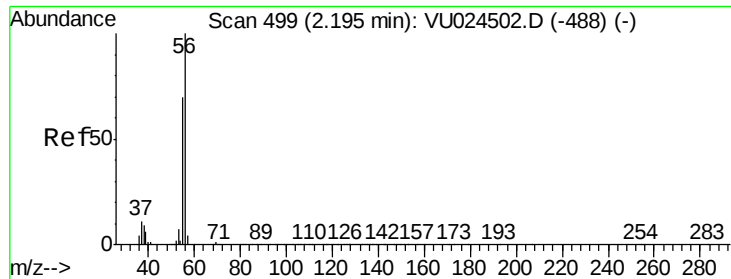


#12

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

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





#13

Acrolein

Concen: 116.911 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

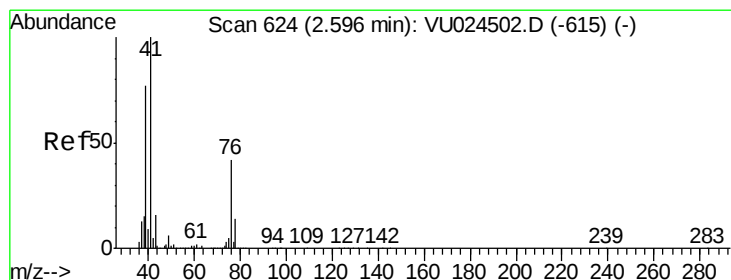
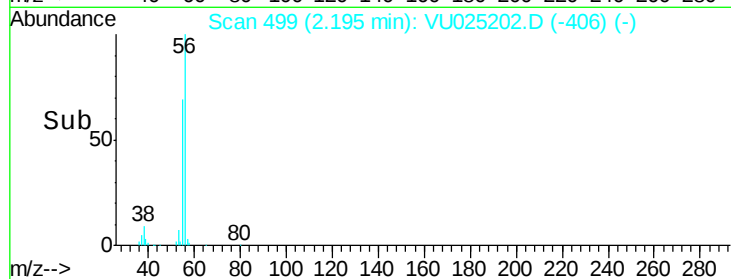
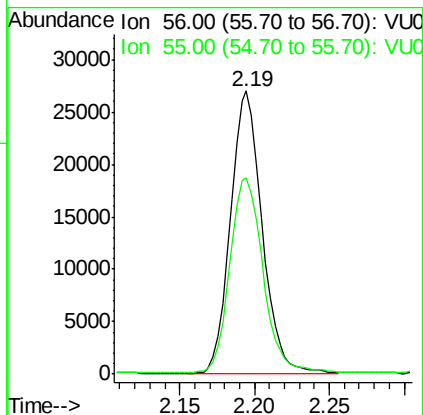
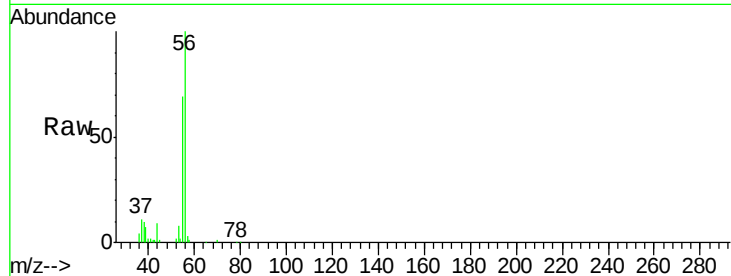
VSTDCCC050EC

Tot Ion: 56 Resp: 40047

Ion Ratio Lower Upper

56 100

55 72.2 58.4 87.6



#14

Allyl chloride

Concen: 46.479 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

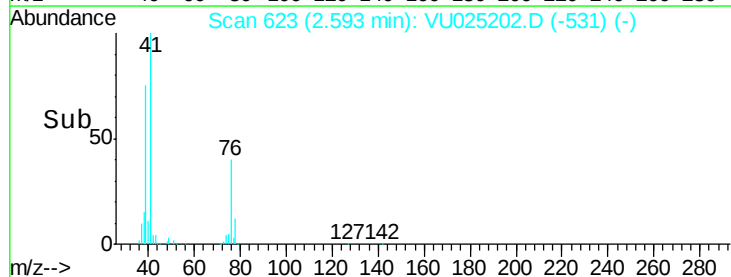
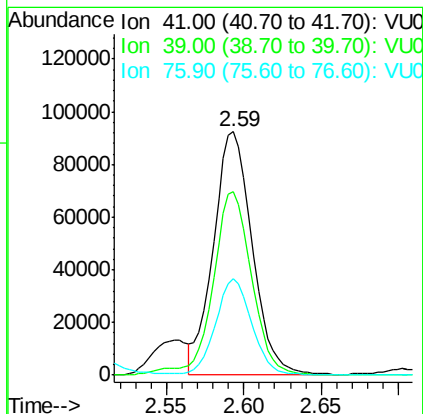
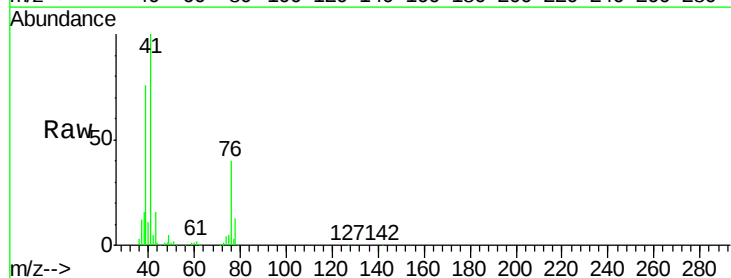
Tgt Ion: 41 Resp: 161438

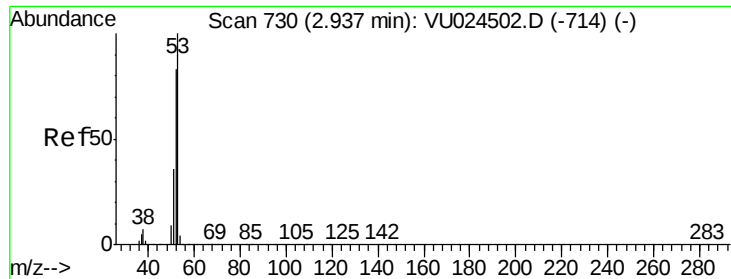
Ion Ratio Lower Upper

41 100

39 75.4 61.6 92.4

76 37.0 29.7 44.5





#15

Acrylonitrile

Concen: 275.062 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

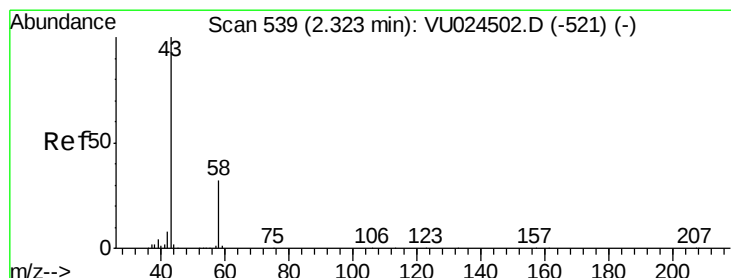
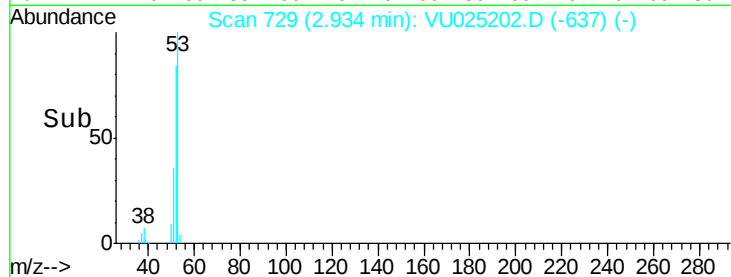
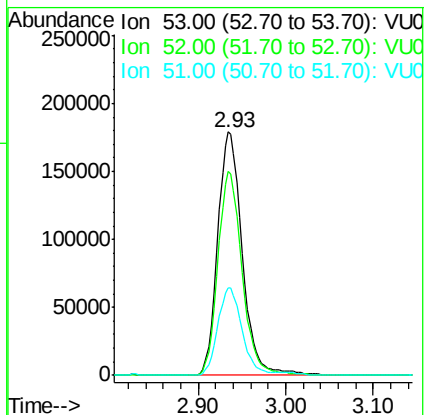
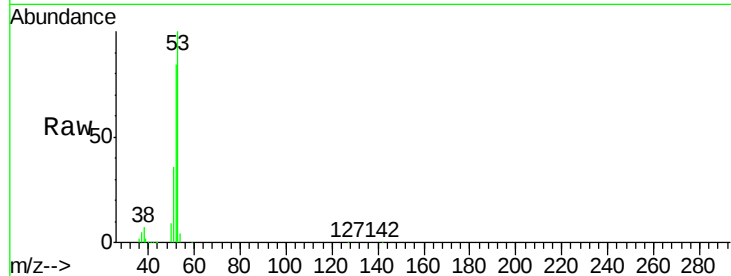
Tot Ion: 53 Resp: 349090

Ion Ratio Lower Upper

53 100

52 82.7 67.1 100.7

51 35.5 28.4 42.6



#16

Acetone

Concen: 231.566 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025202.D

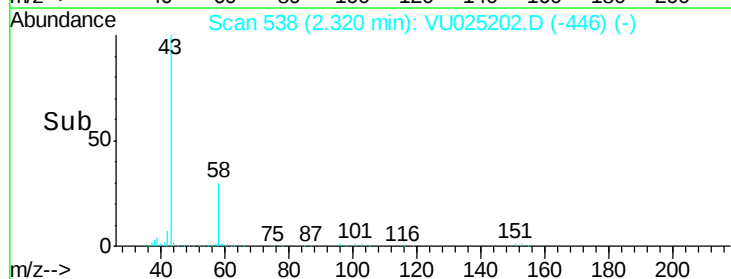
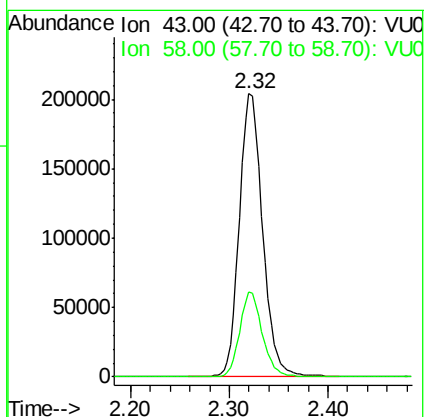
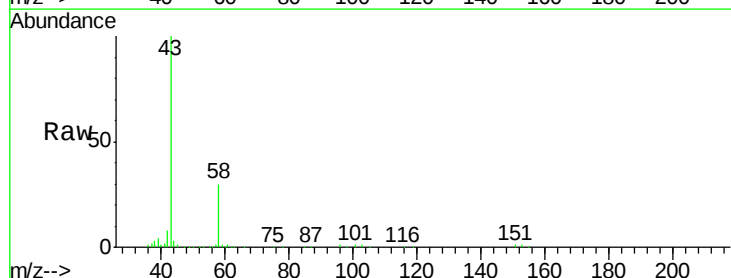
Acq: 03 Jul 2018 20:28

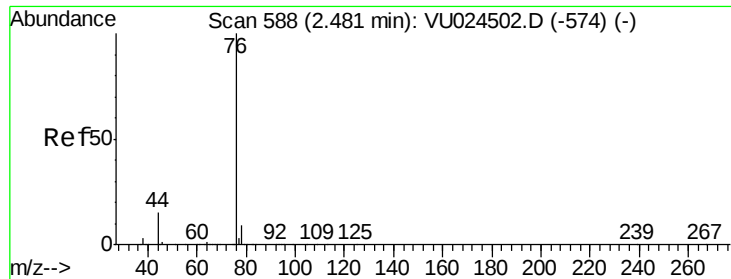
Tgt Ion: 43 Resp: 333704

Ion Ratio Lower Upper

43 100

58 30.0 24.4 36.6

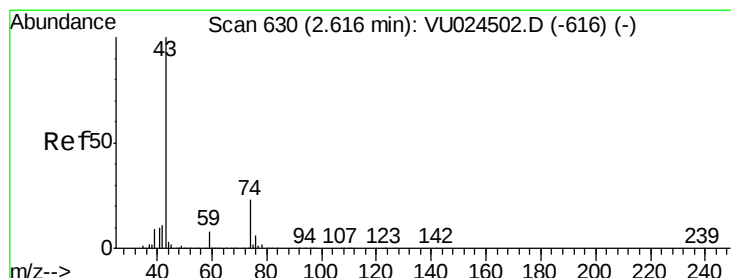
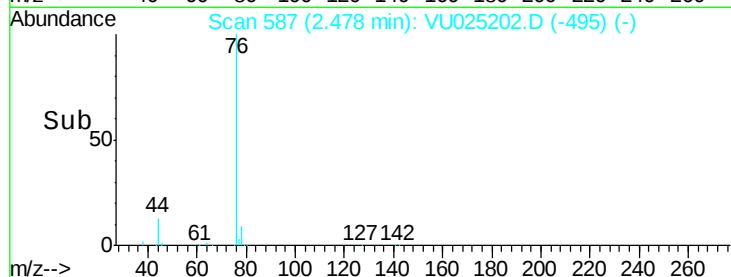
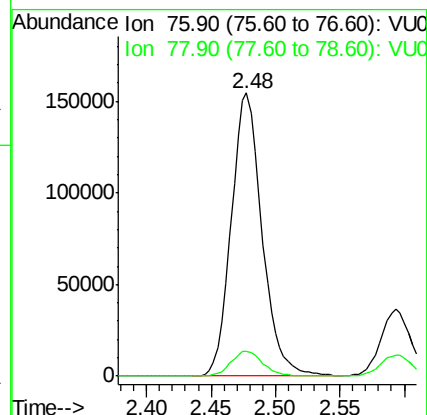
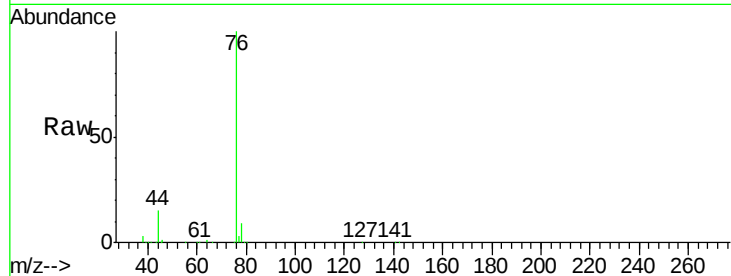




#17
Carbon Disulfide
Concen: 42.779 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

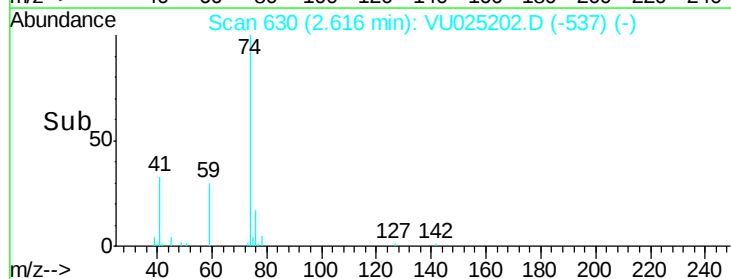
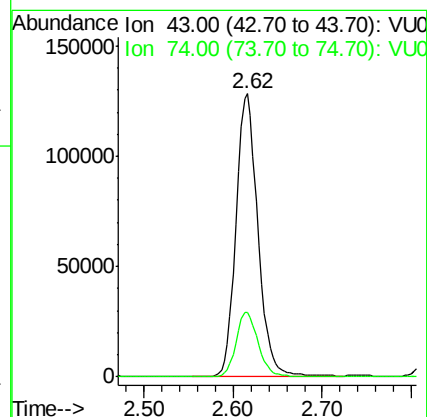
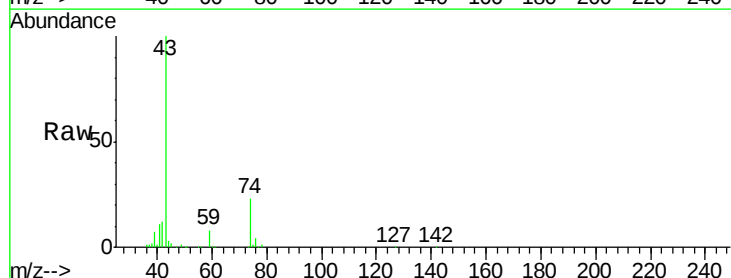
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

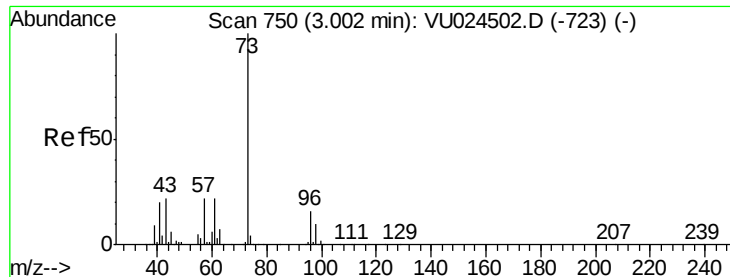
Tot Ion: 76 Resp: 256245
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 70.457 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 43 Resp: 217668
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0



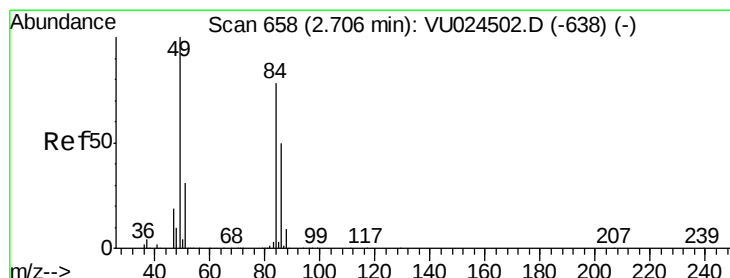
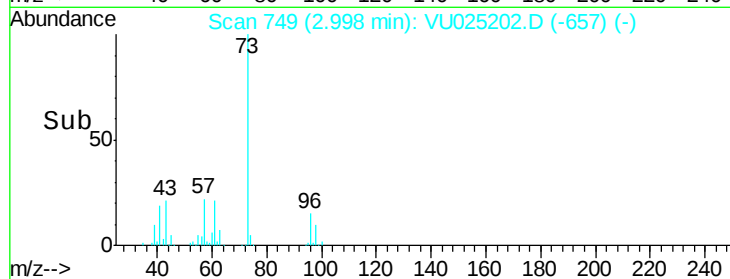
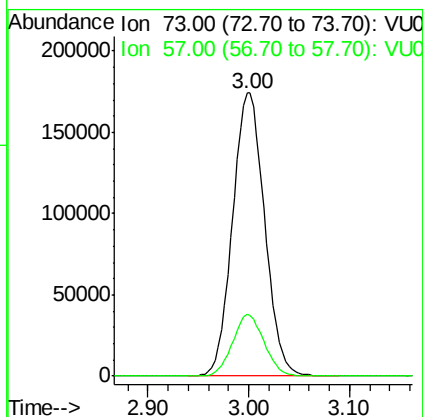
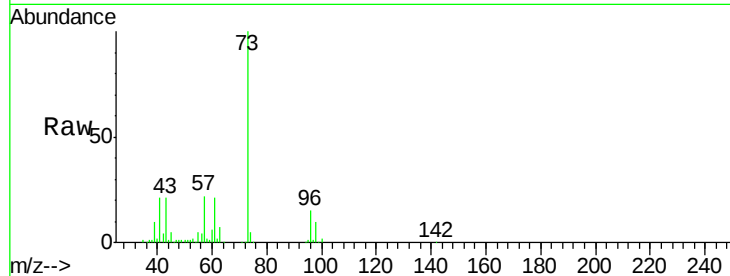


#19

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

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

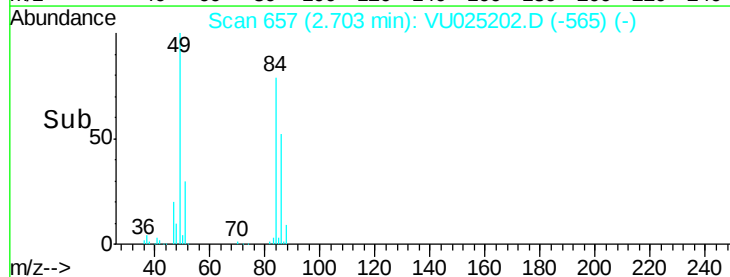
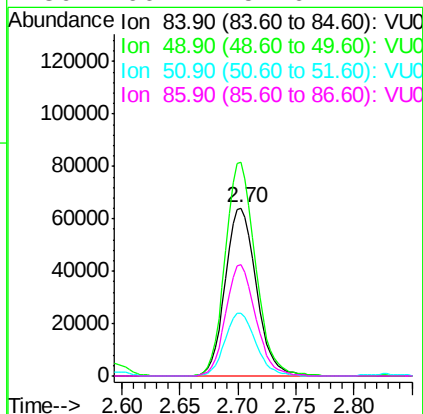
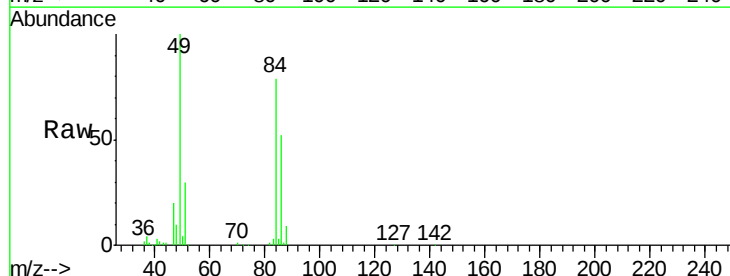
Tot Ion: 73 Resp: 384999
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.8 28.2

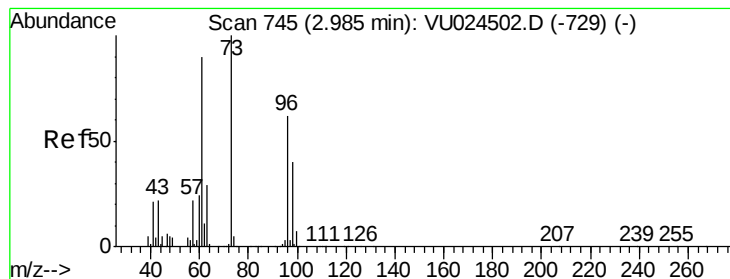


#20

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

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





#21

trans-1,2-Dichloroethene

Concen: 50.525 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

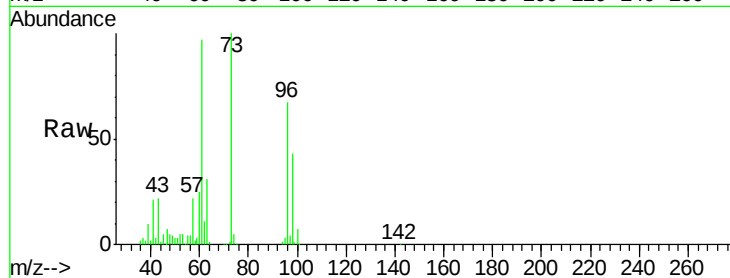
Tot Ion: 96 Resp: 104100

Ion Ratio Lower Upper

96 100

61 145.3 119.4 179.0

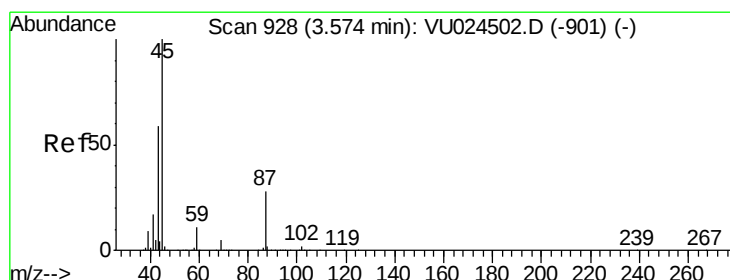
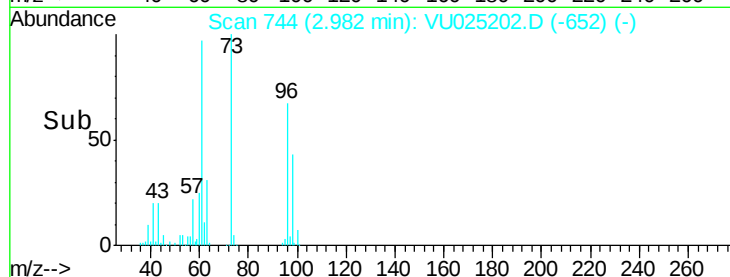
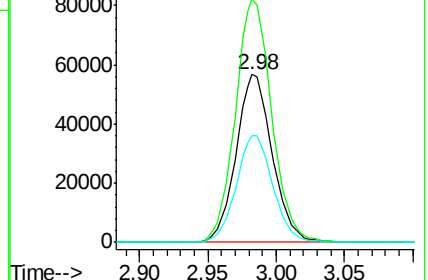
98 64.0 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-729) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-729) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-729) (-)



#22

Diisopropyl ether

Concen: 53.371 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Tgt Ion: 45 Resp: 367484

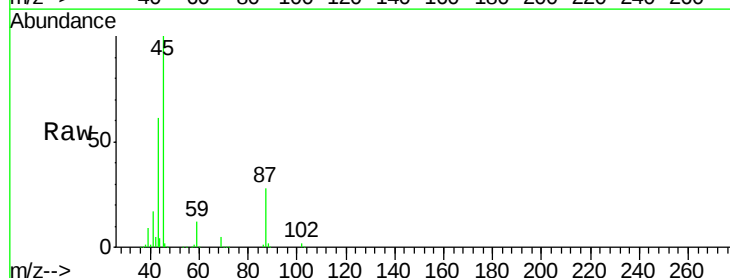
Ion Ratio Lower Upper

45 100

43 61.0 45.8 68.6

87 28.1 20.6 31.0

59 11.5 9.4 14.0

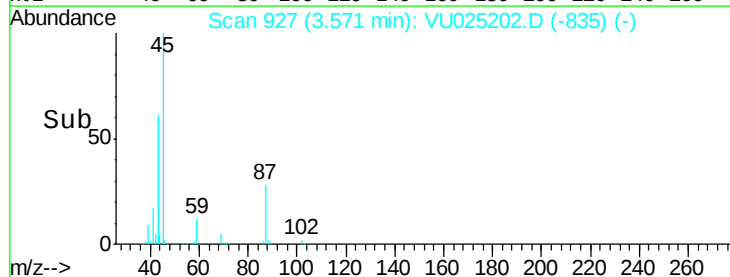
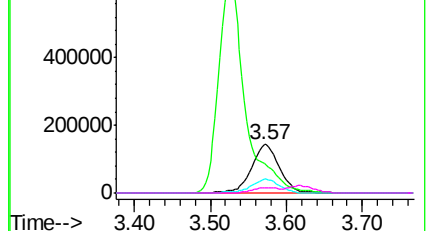


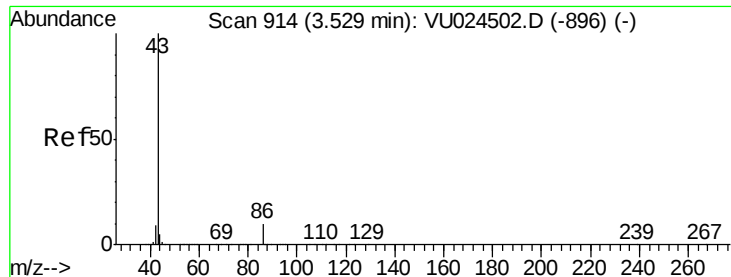
Abundance Ion 45.00 (44.70 to 45.70): VU024502.D (-901) (-)

Ion 43.00 (42.70 to 43.70): VU024502.D (-901) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-901) (-)

Ion 59.00 (58.70 to 59.70): VU024502.D (-901) (-)





#23

Vinyl Acetate

Concen: 247.831 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

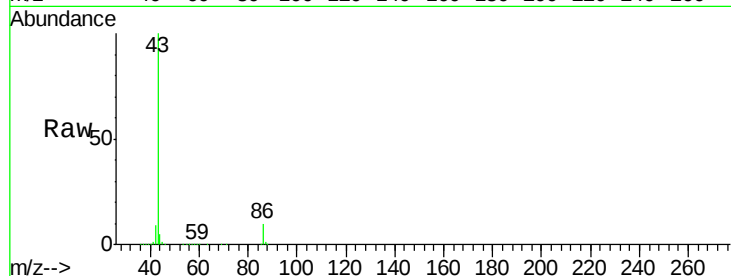
VSTDCCC050EC

Tot Ion: 43 Resp: 1528598

Ion Ratio Lower Upper

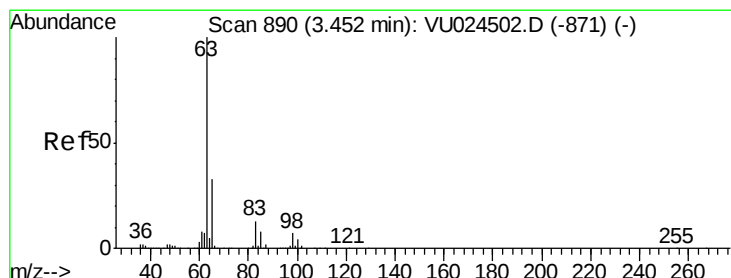
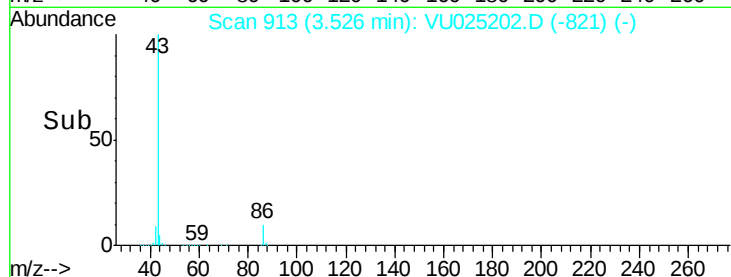
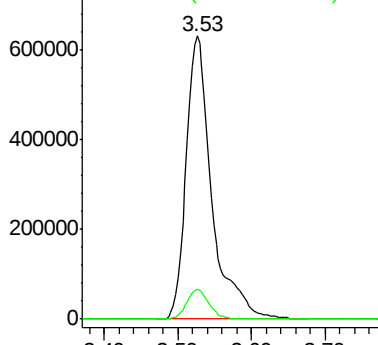
43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 53.223 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

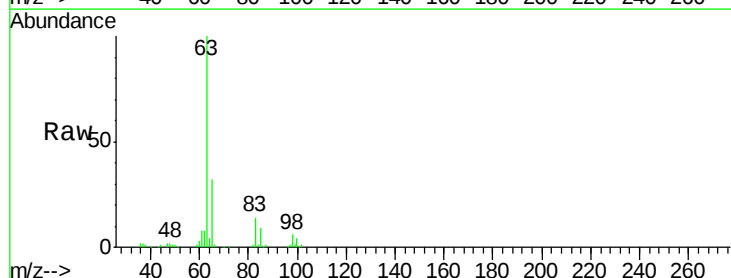
Tgt Ion: 63 Resp: 210813

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

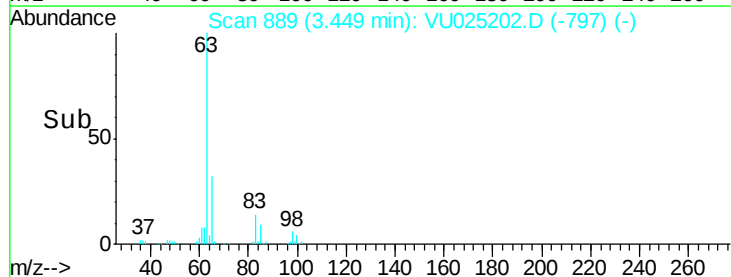
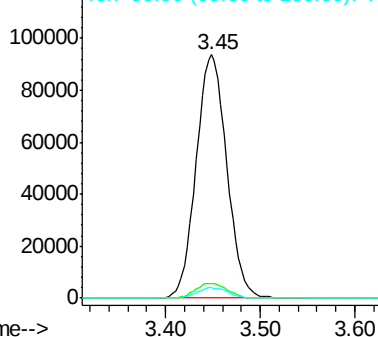
100 4.2 1.8 5.5

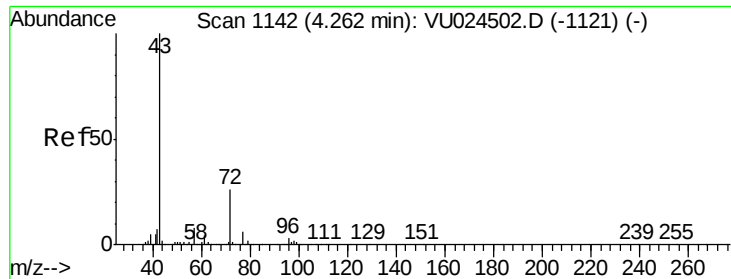


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 262.786 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

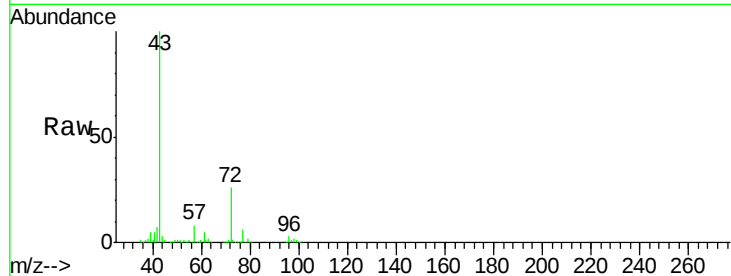
VSTDCCC050EC

Tot Ion: 43 Resp: 508671

Ion Ratio Lower Upper

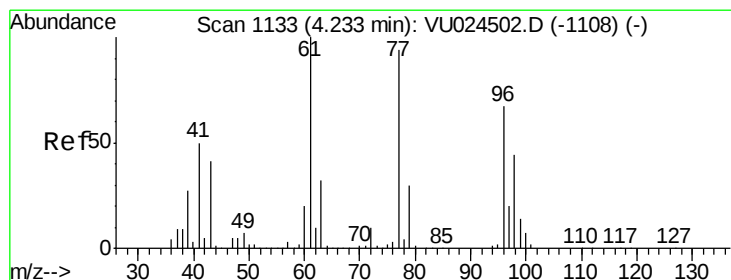
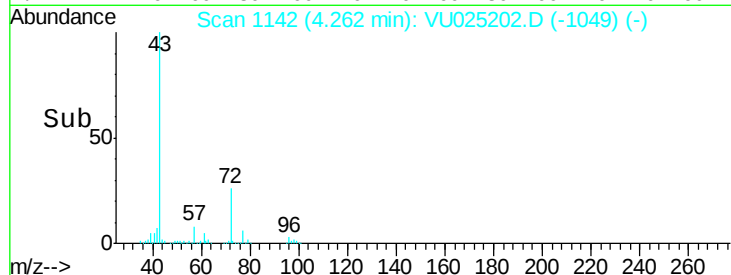
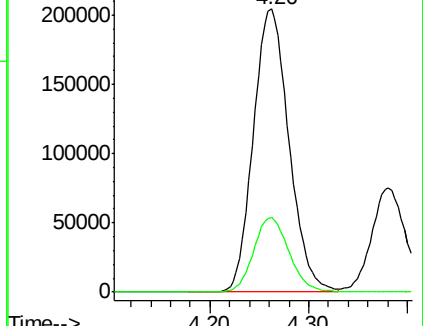
43 100

72 26.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 40.412 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025202.D

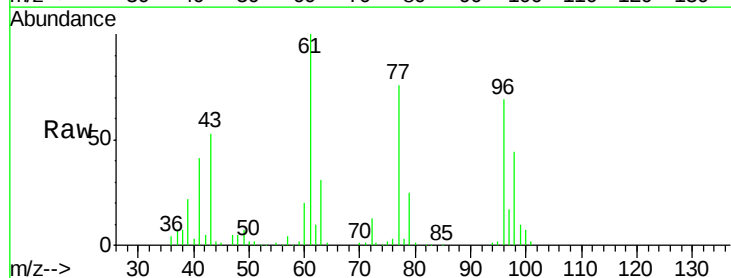
Acq: 03 Jul 2018 20:28

Tgt Ion: 77 Resp: 151994

Ion Ratio Lower Upper

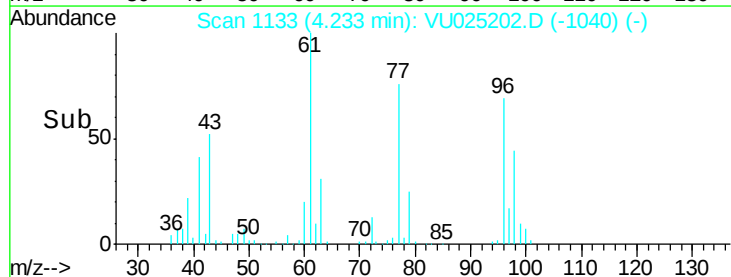
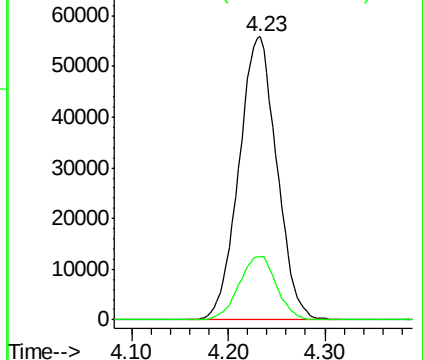
77 100

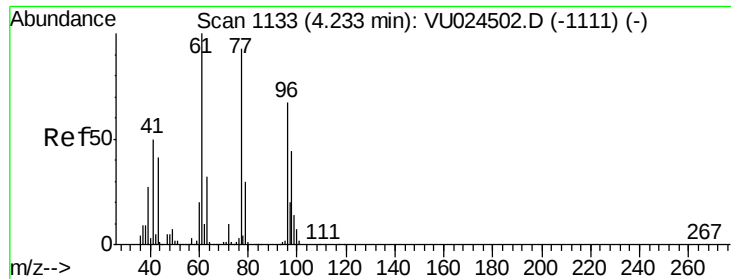
97 22.2 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

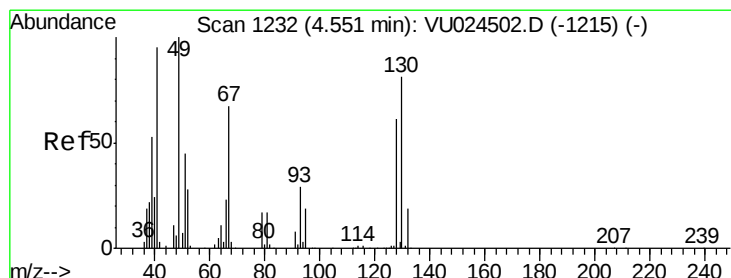
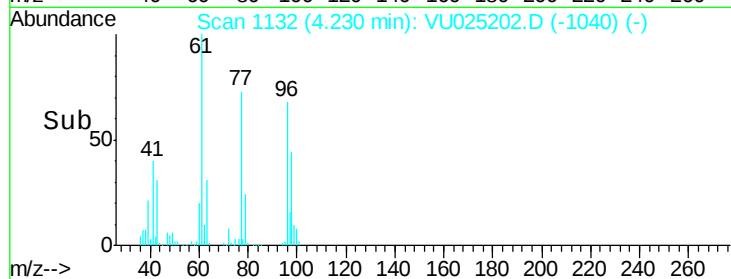
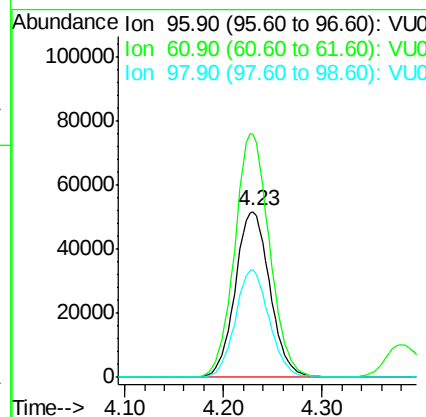
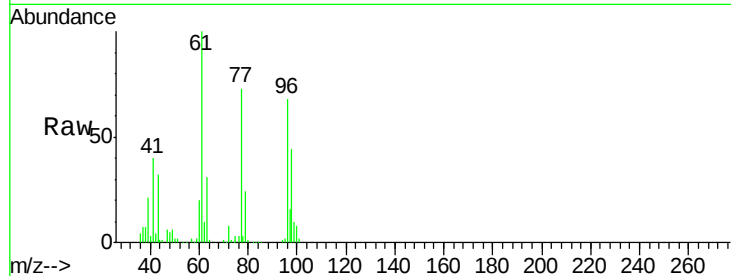




#27
 cis-1,2-Dichloroethene
 Concen: 53.340 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

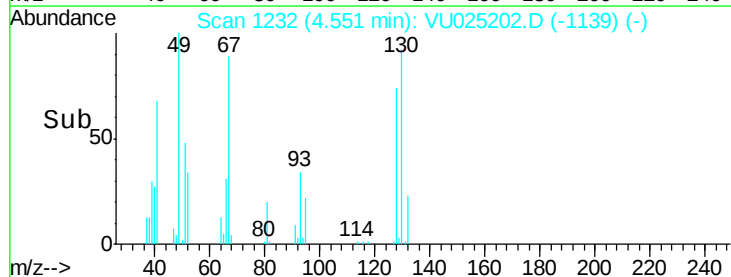
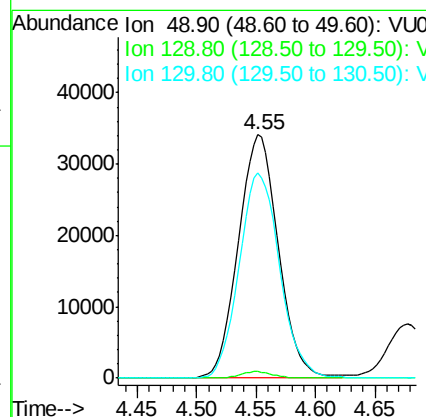
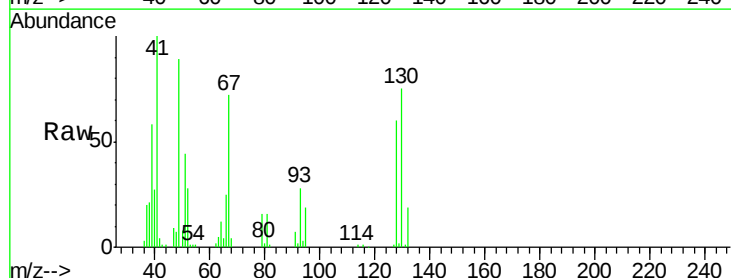
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

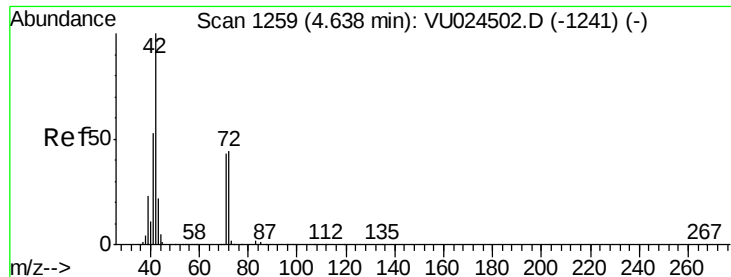
Tot Ion: 96 Resp: 126348
 Ion Ratio Lower Upper
 96 100
 61 147.5 0.0 306.6
 98 63.4 0.0 128.8



#28
 Bromochloromethane
 Concen: 45.571 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 49 Resp: 79507
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.8
 130 85.4 57.8 86.6





#29

Tetrahydrofuran

Concen: 270.094 ug/l

RT: 4.64 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

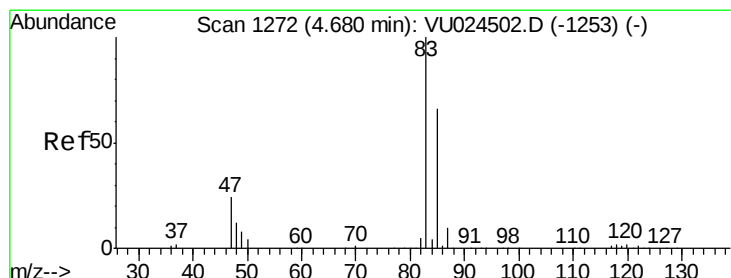
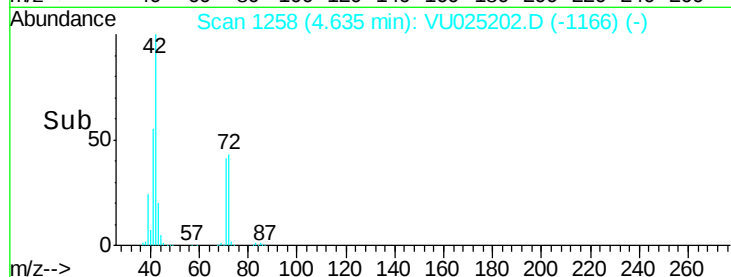
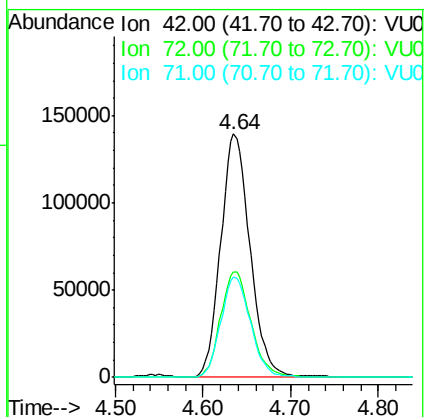
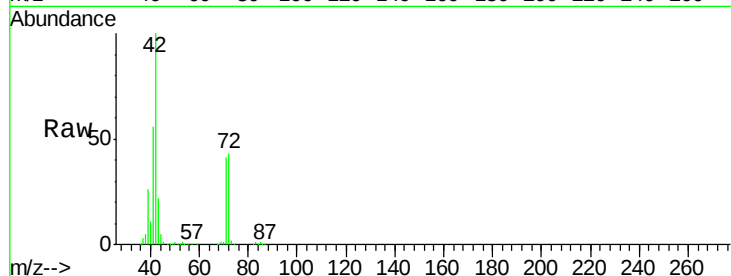
Tot Ion: 42 Resp: 323764

Ion Ratio Lower Upper

42 100

72 44.8 34.5 51.7

71 41.8 32.2 48.4



#30

Chloroform

Concen: 54.784 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025202.D

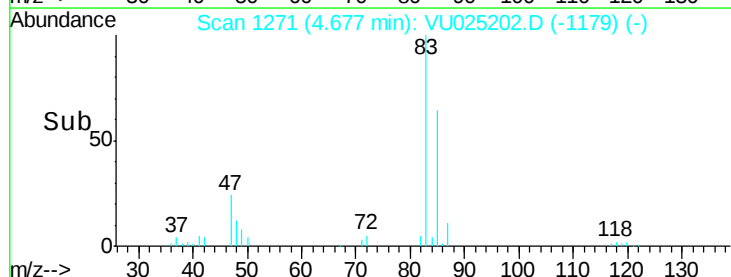
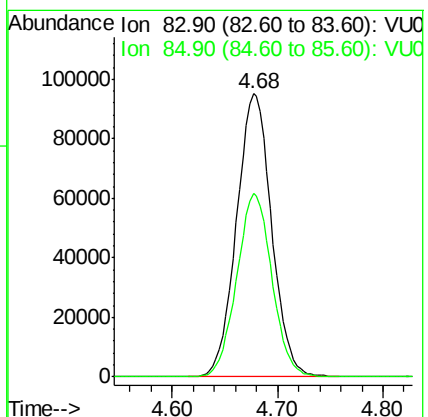
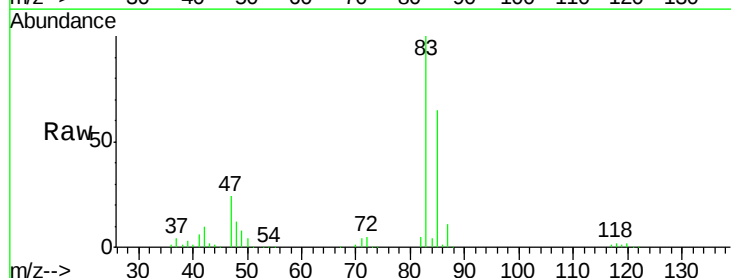
Acq: 03 Jul 2018 20:28

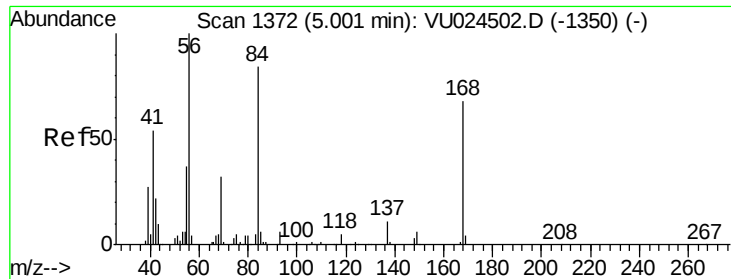
Tgt Ion: 83 Resp: 219637

Ion Ratio Lower Upper

83 100

85 64.6 52.4 78.6

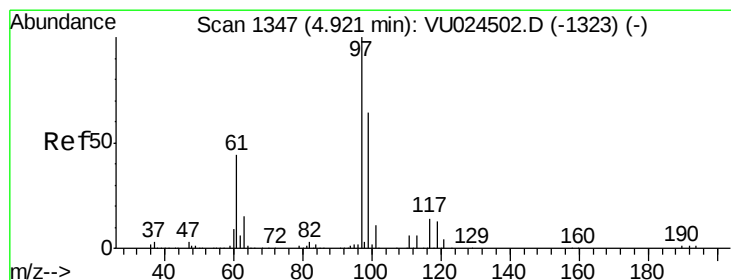
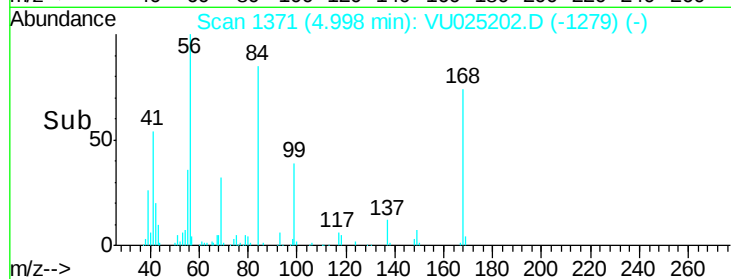
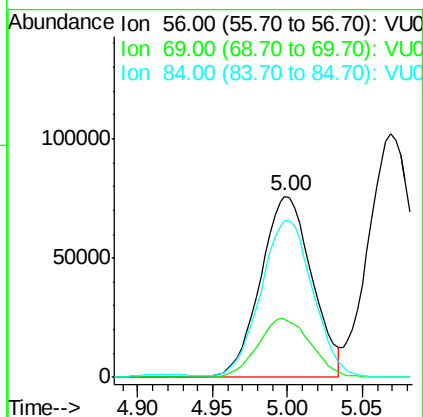
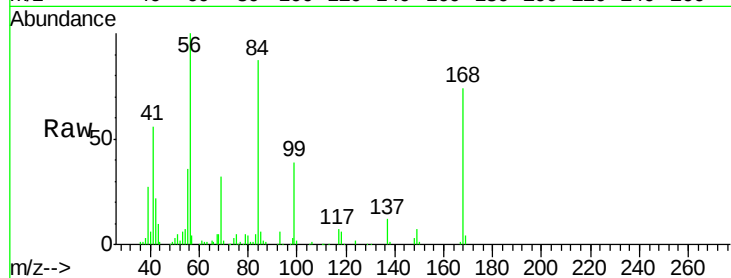




#31
Cyclohexane
Concen: 51.515 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

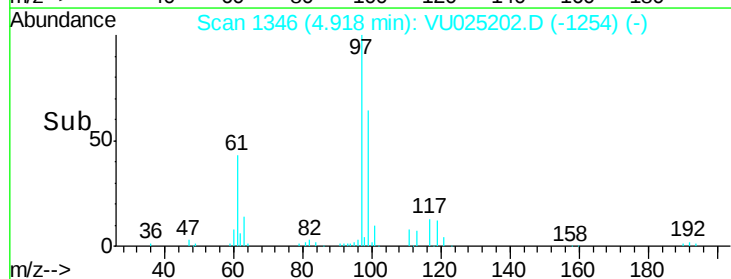
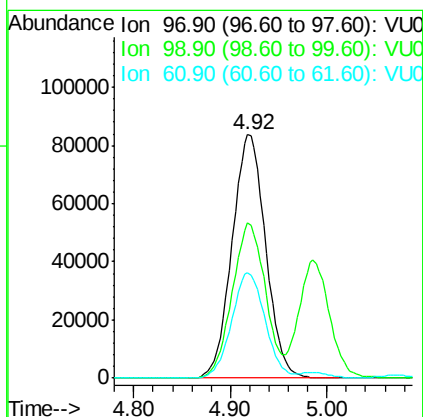
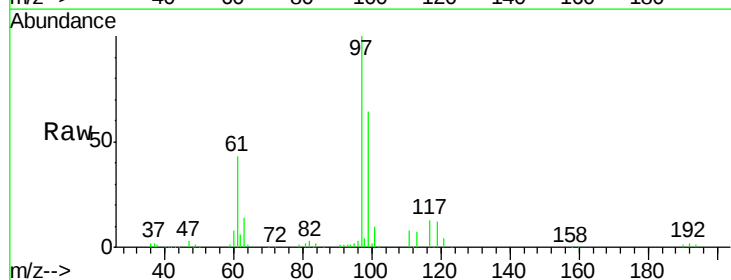
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

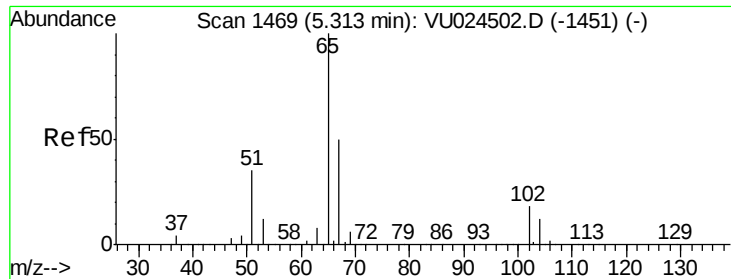
Tot Ion: 56 Resp: 180992
Ion Ratio Lower Upper
56 100
69 32.1 24.8 37.2
84 85.3 65.2 97.8



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

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

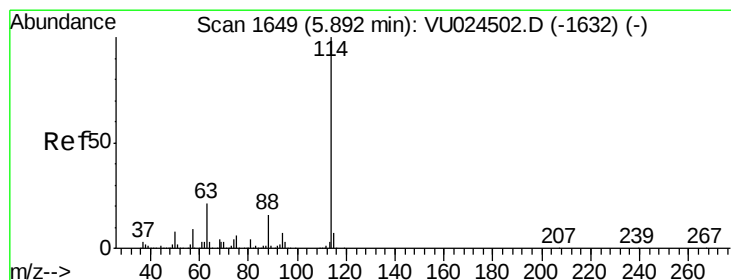
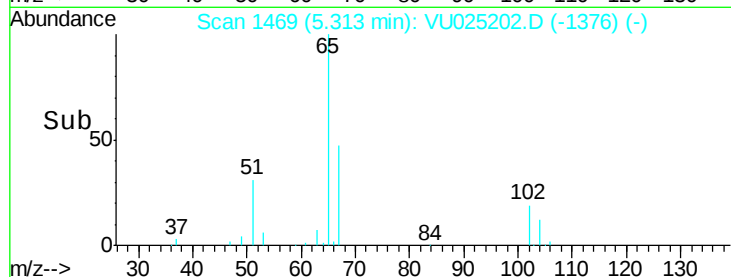
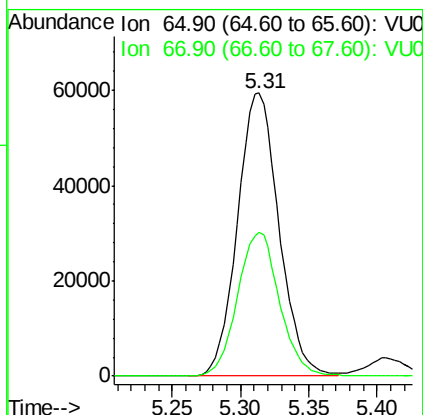
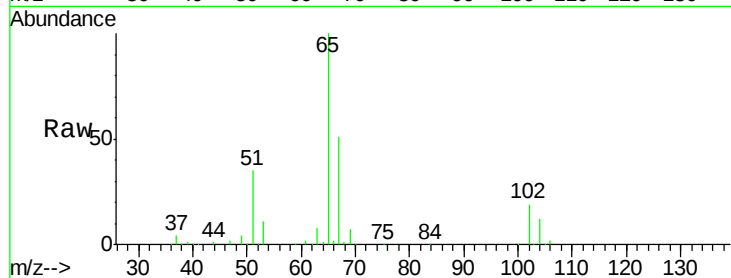




#33
 1,2-Dichloroethane-d4
 Concen: 46.875 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

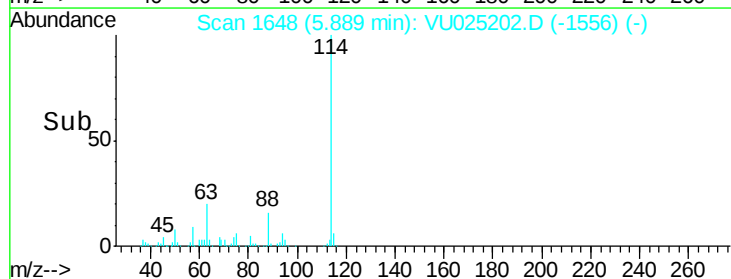
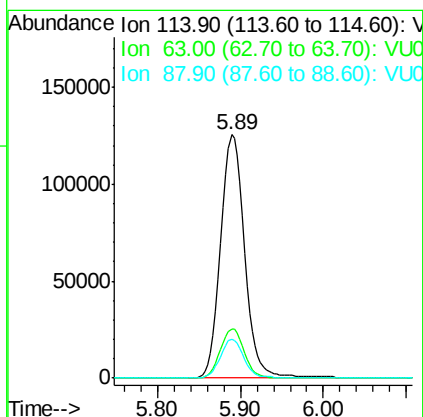
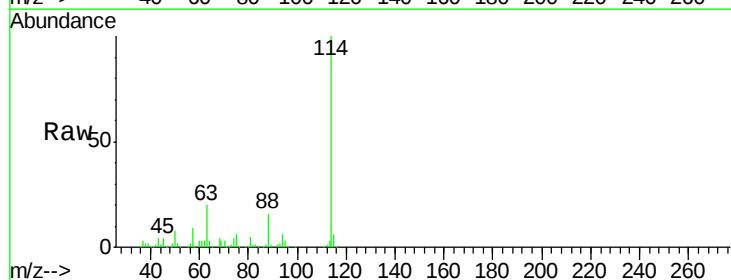
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

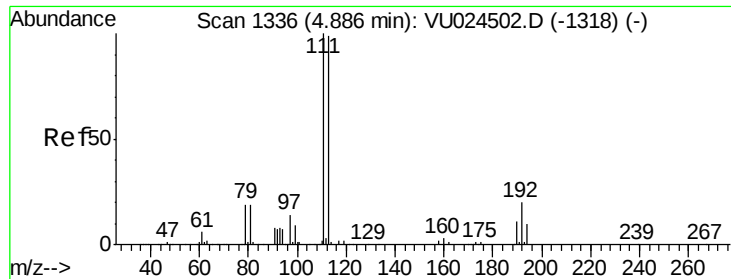
Tot Ion: 65 Resp: 125721
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



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

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





#35

Dibromofluoromethane

Concen: 50.187 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

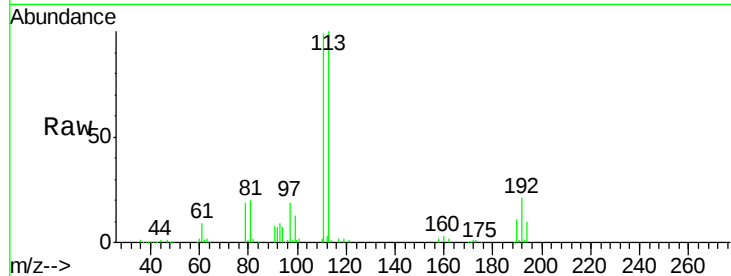
Tot Ion:113 Resp: 105429

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

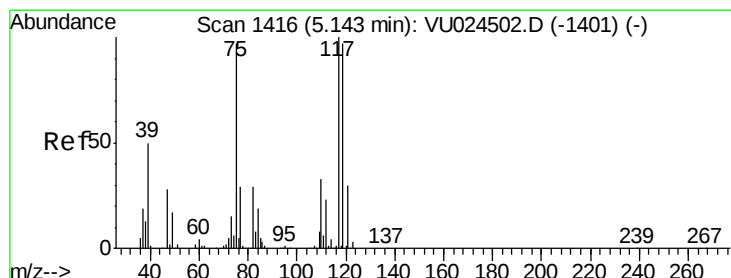
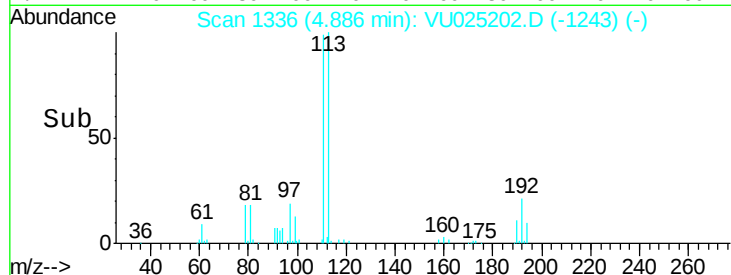
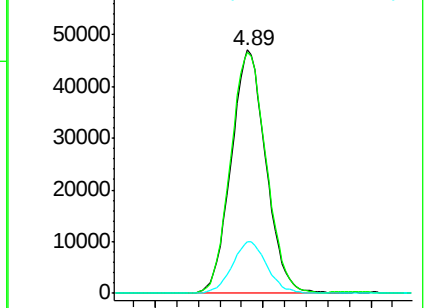
192 21.2 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.695 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

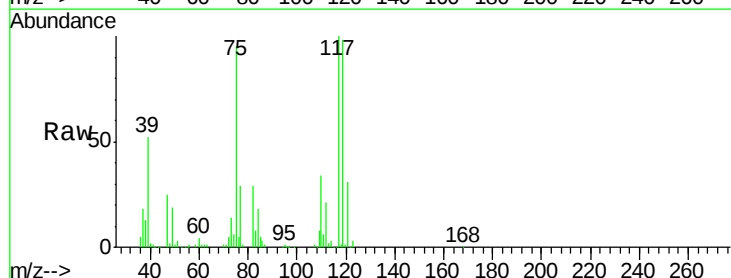
Tgt Ion: 75 Resp: 153763

Ion Ratio Lower Upper

75 100

110 36.5 17.0 50.9

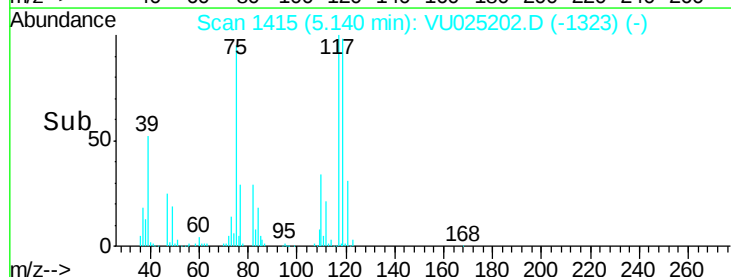
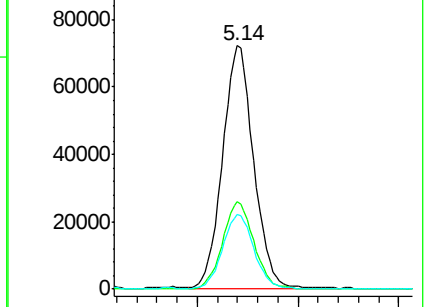
77 30.9 24.2 36.4

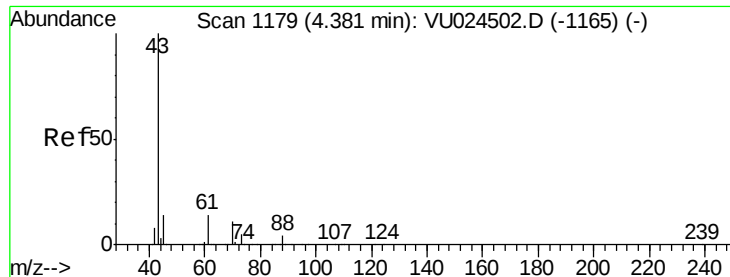


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

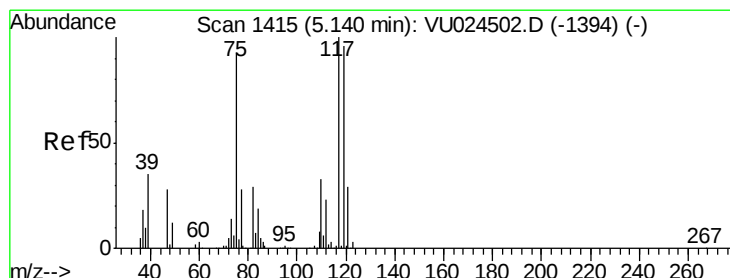
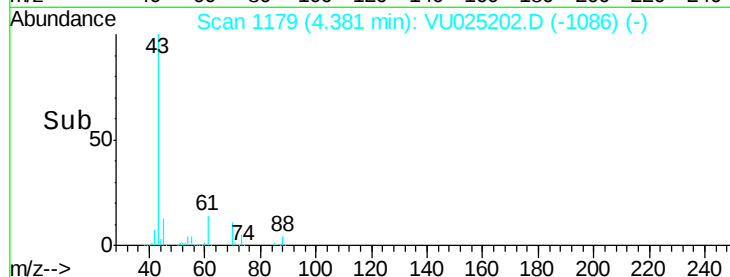
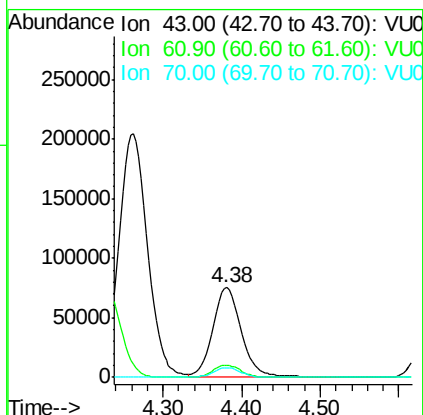
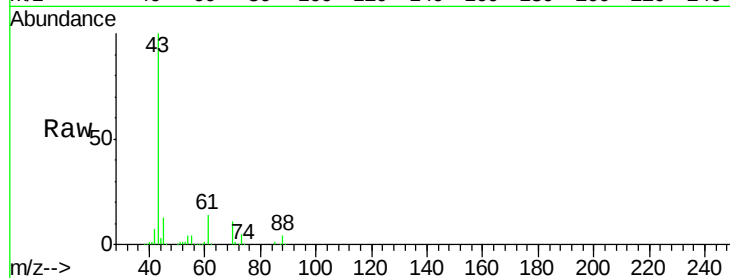




#37
Ethyl Acetate
Concen: 57.497 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

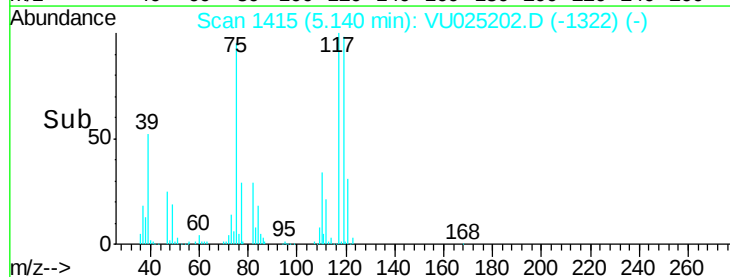
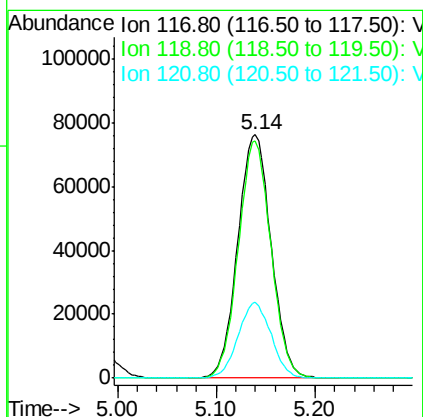
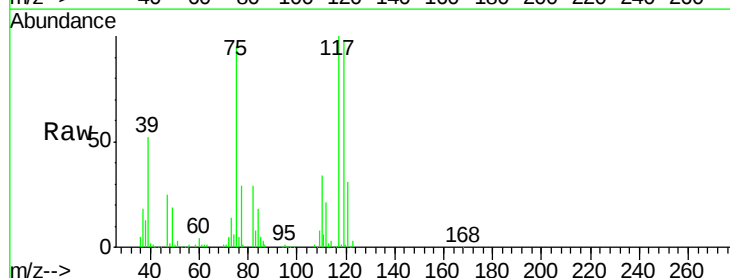
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

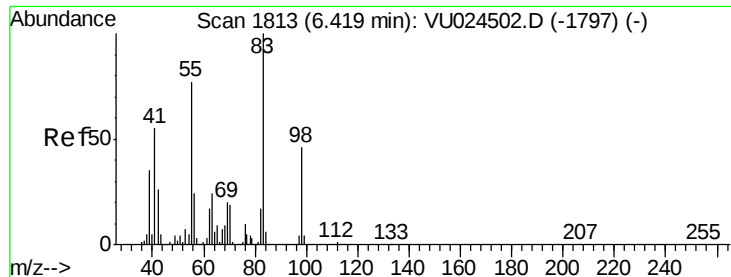
Tot Ion	43	Resp	186399
Ion Ratio	Lower	Upper	
43	100		
61	13.0	10.5	15.7
70	10.5	7.4	11.2



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

Tgt Ion	117	Resp	178491
Ion Ratio	Lower	Upper	
117	100		
119	97.7	76.1	114.1
121	31.0	23.7	35.5

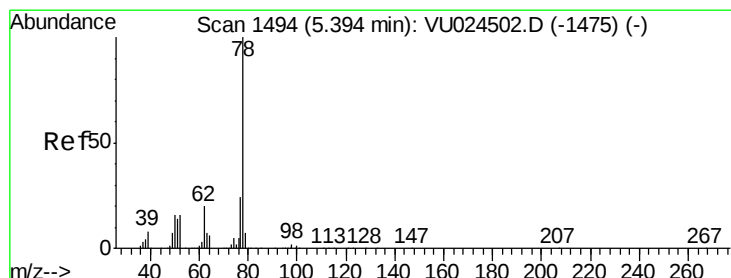
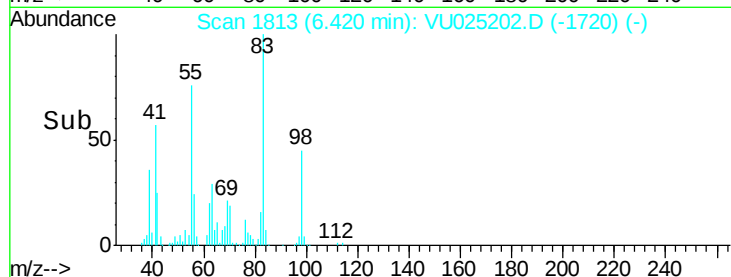
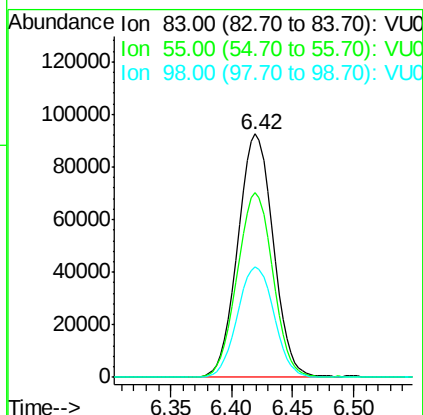
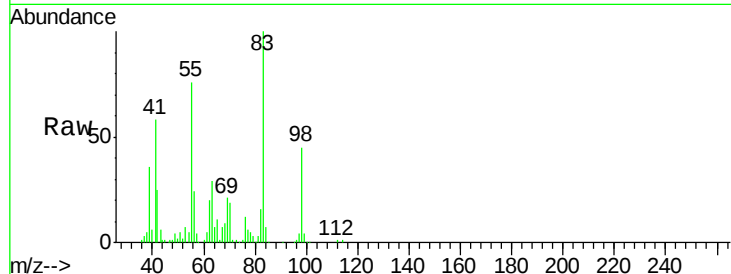




#39
Methvlcvclohexane
Concen: 50.182 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

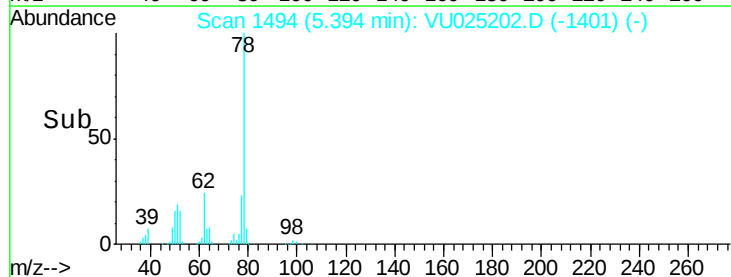
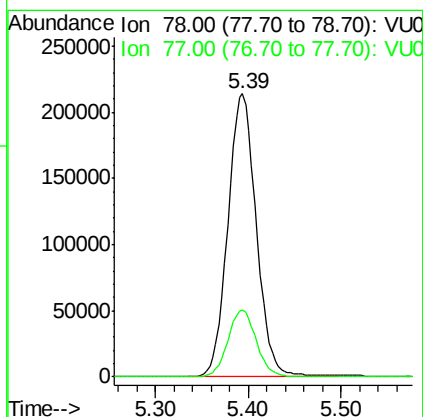
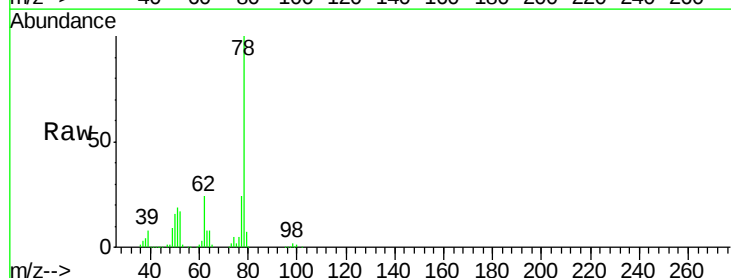
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

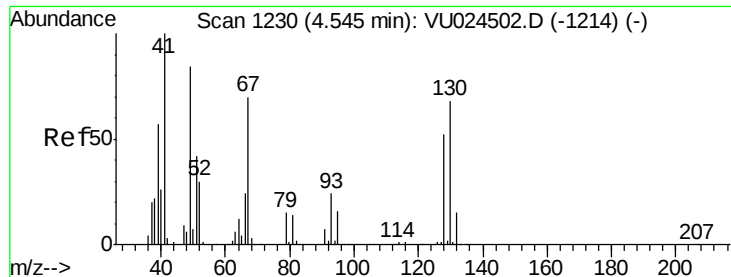
Tot Ion: 83 Resp: 186266
Ion Ratio Lower Upper
83 100
55 75.7 65.8 98.6
98 45.3 36.7 55.1



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

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

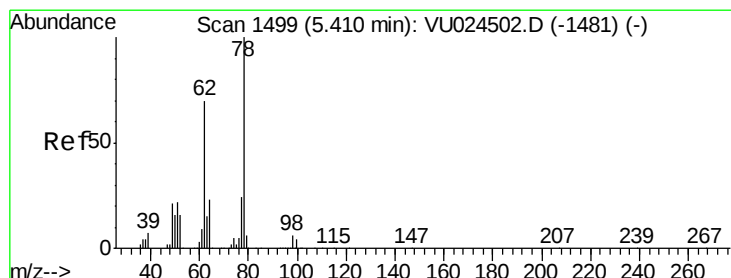
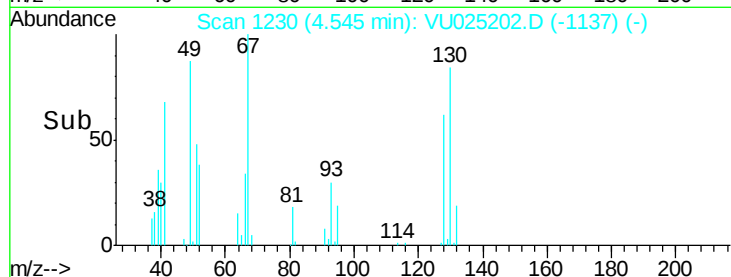
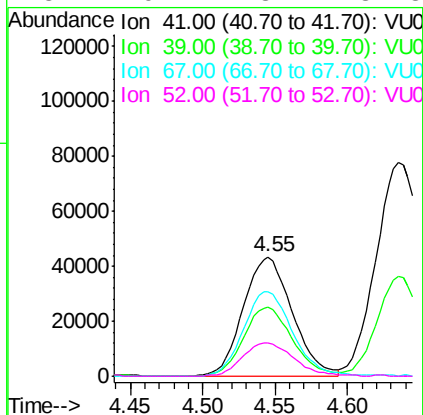
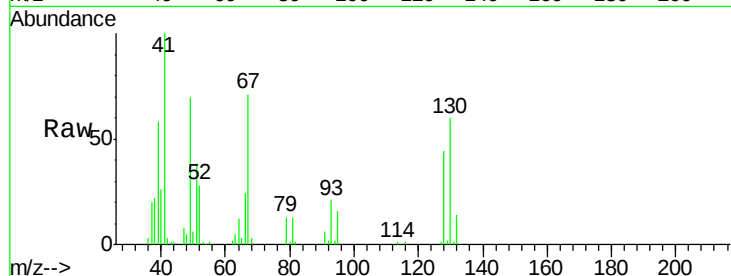




#41
Methacrylonitrile
Concen: 58.504 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

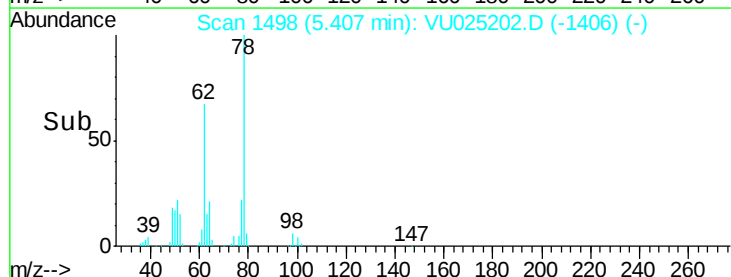
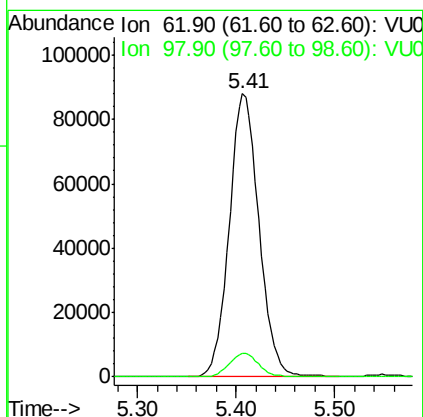
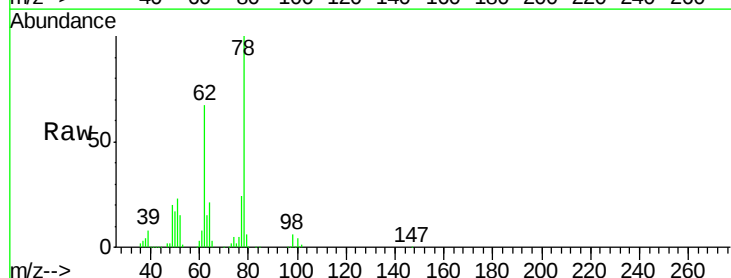
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

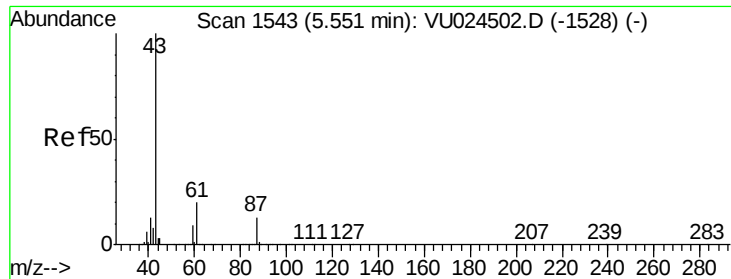
Tot Ion:	41	Resp:	102260
Ion	Ratio	Lower	Upper
41	100		
39	58.0	43.8	65.6
67	71.6	56.3	84.5
52	29.4	23.2	34.8



#42
1,2-Dichloroethane
Concen: 57.366 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion:	62	Resp:	185176
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6

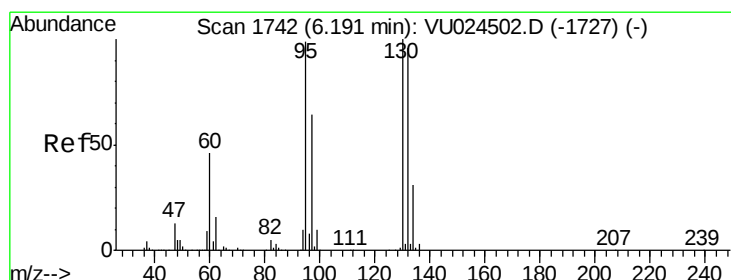
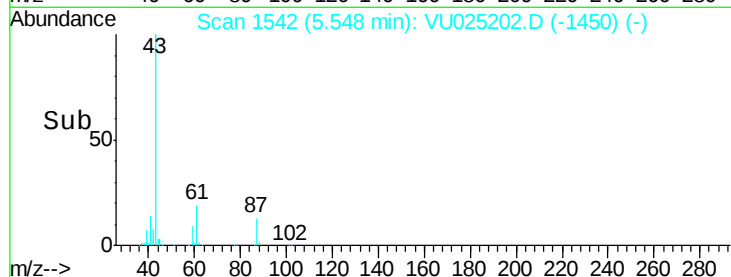
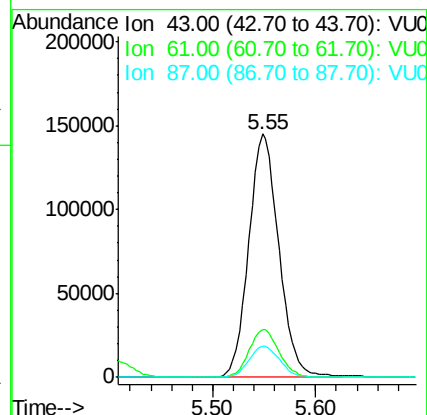
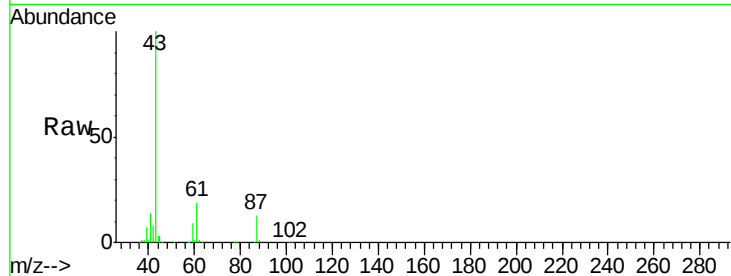




#43
Isopropyl Acetate
Concen: 52.233 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

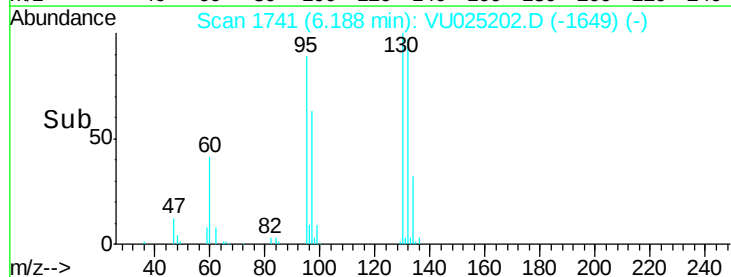
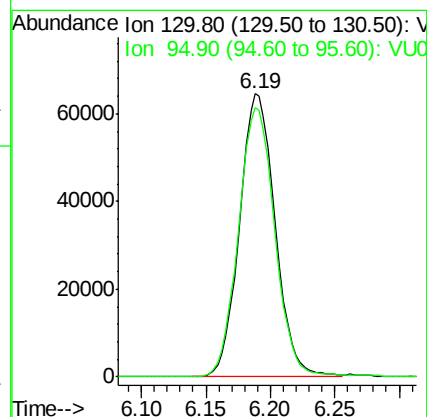
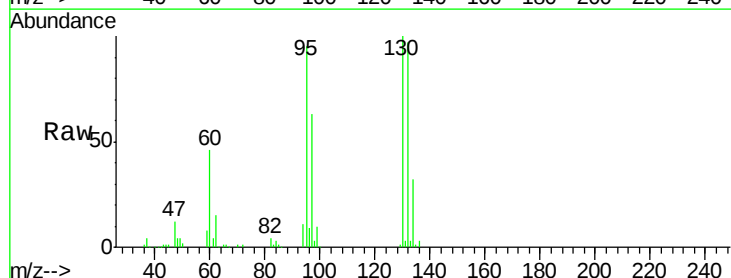
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

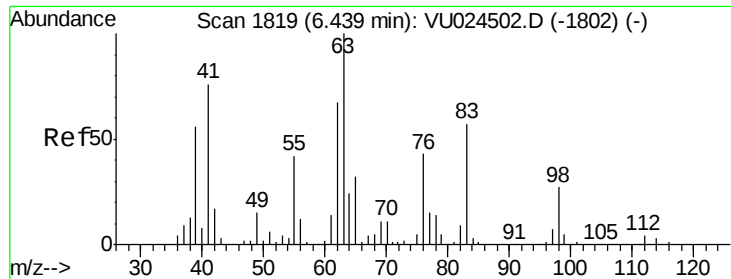
Tot Ion: 43 Resp: 292700
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 13.3 10.0 15.0



#44
Trichloroethene
Concen: 51.516 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion:130 Resp: 124262
Ion Ratio Lower Upper
130 100
95 95.1 0.0 202.4

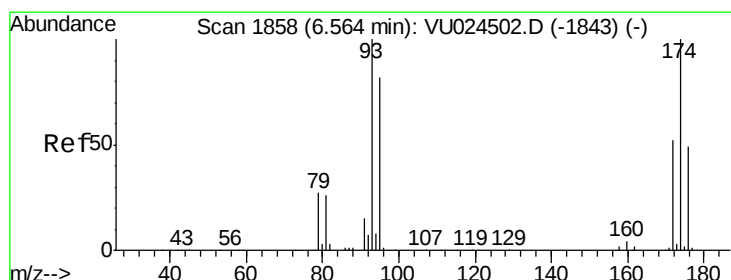
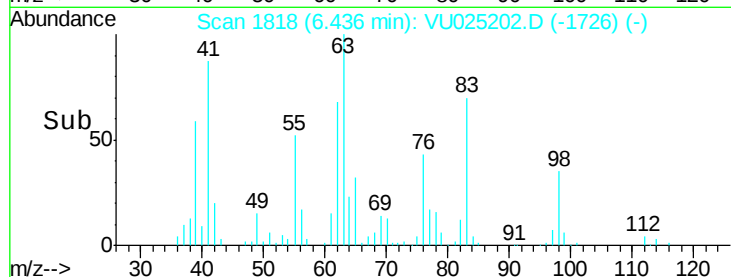
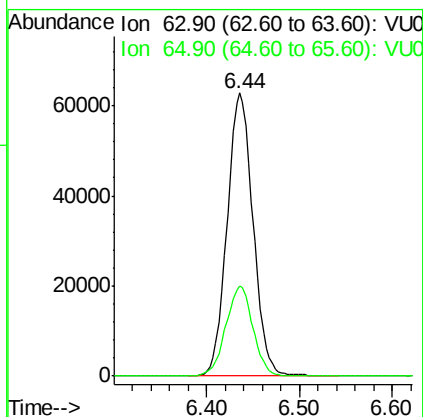
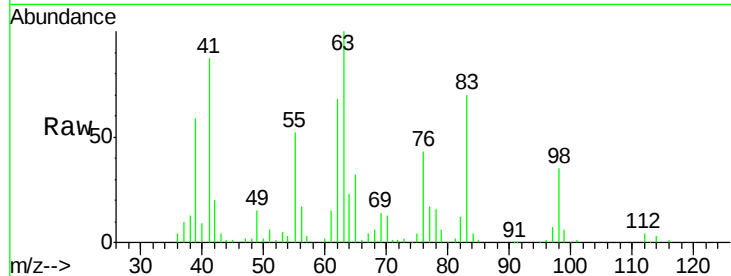




#45
 1,2-Dichloropropane
 Concen: 53.995 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

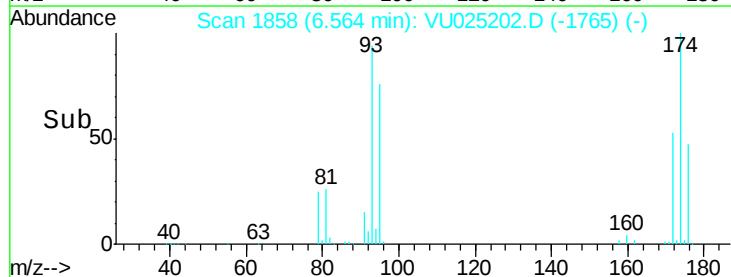
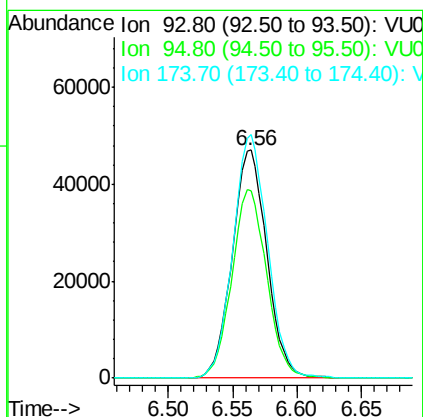
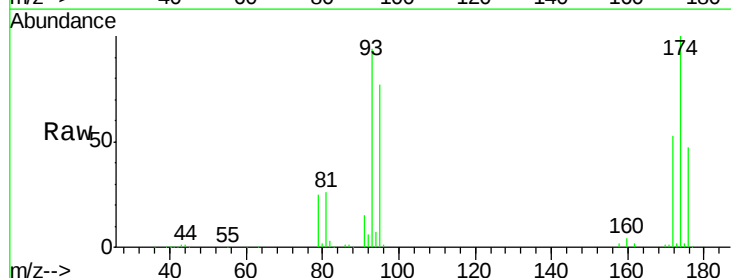
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

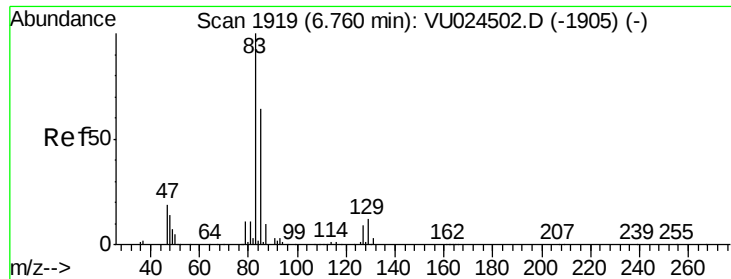
Tot Ion: 63 Resp: 122108
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.8 37.2



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

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





#47

Bromodichloromethane

Concen: 53.037 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

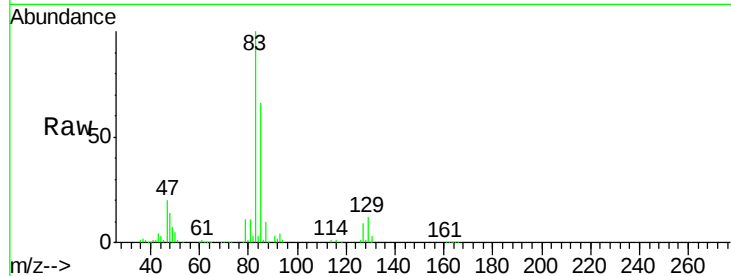
Tot Ion: 83 Resp: 167762

Ion Ratio Lower Upper

83 100

85 65.7 51.9 77.9

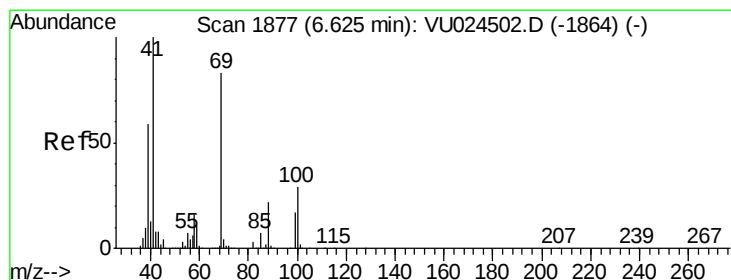
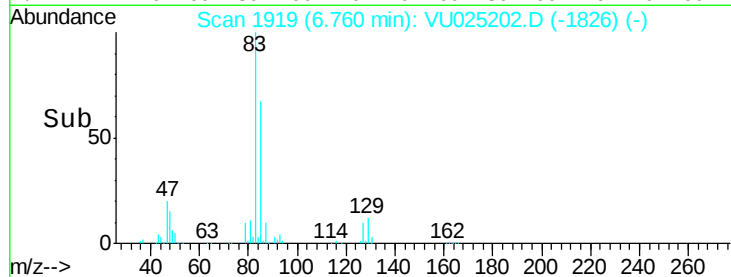
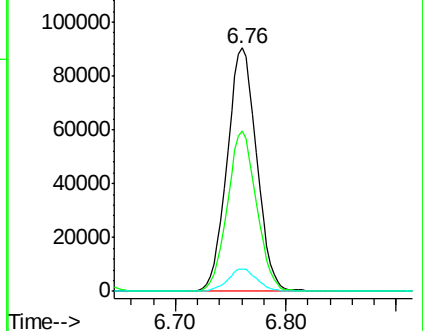
127 9.3 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 56.112 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

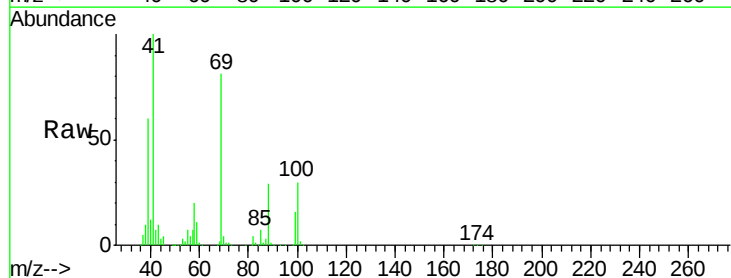
Tgt Ion: 41 Resp: 153113

Ion Ratio Lower Upper

41 100

69 82.6 67.3 100.9

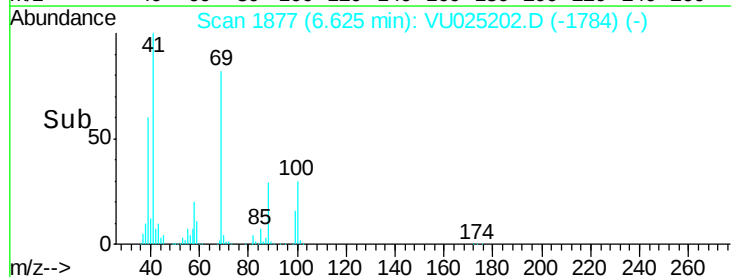
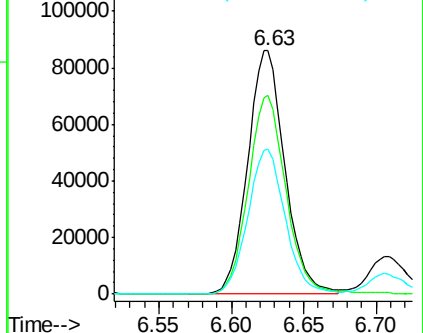
39 60.2 46.5 69.7

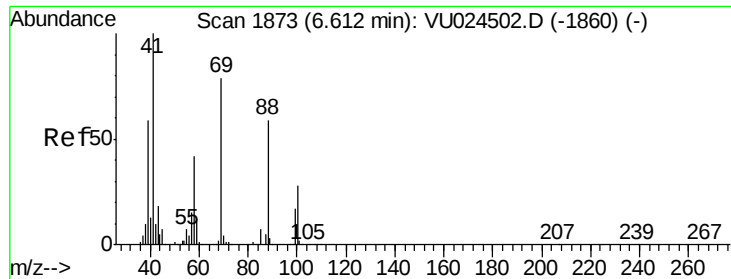


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

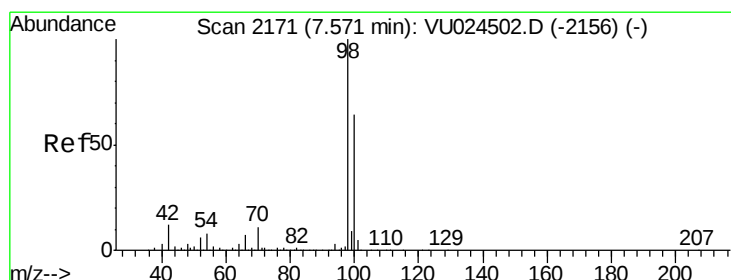
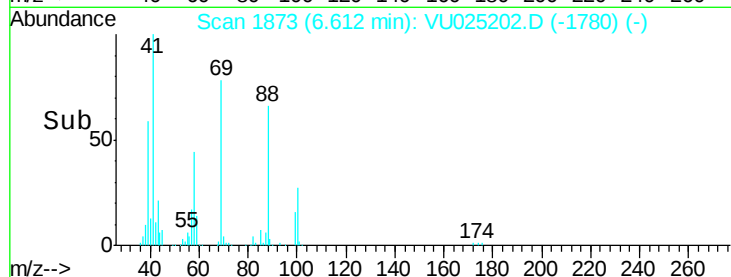
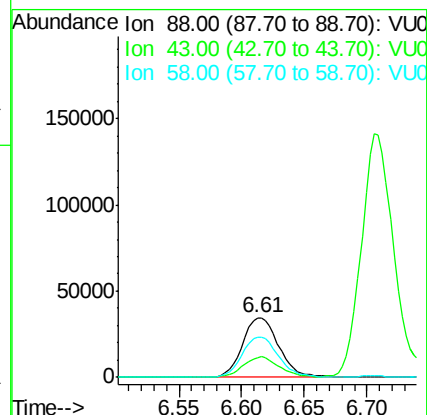
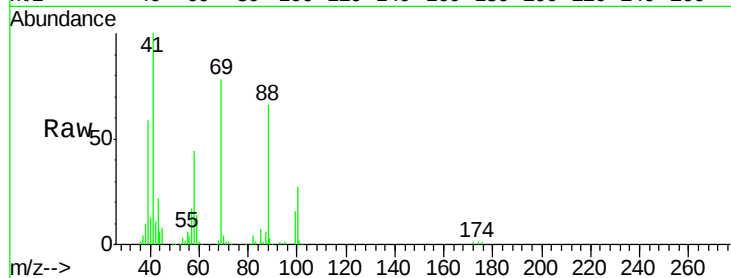




#49
1,4-Dioxane
Concen: 1304.121 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

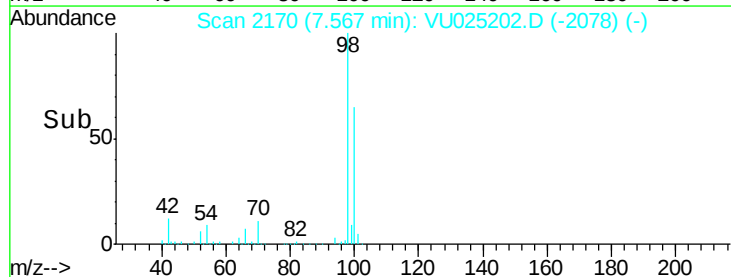
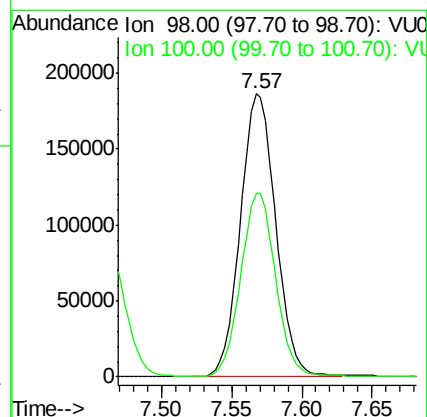
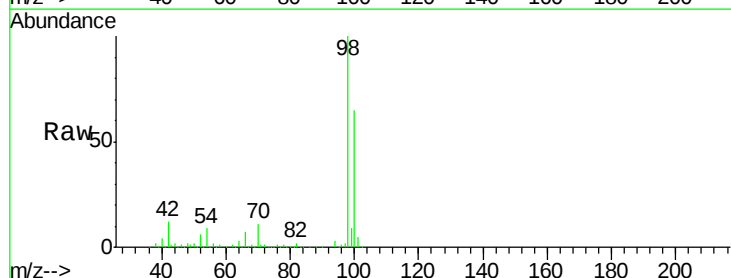
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

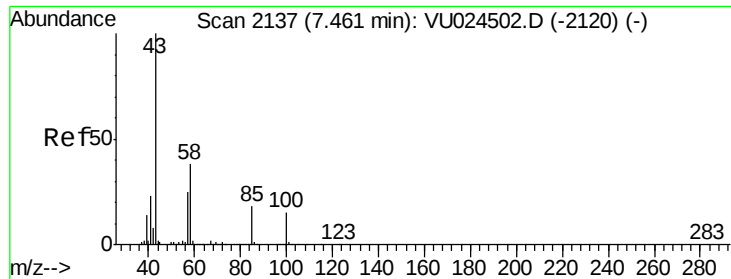
Tot Ion: 88 Resp: 69592
Ion Ratio Lower Upper
88 100
43 33.9 28.6 42.8
58 67.9 58.2 87.4



#50
Toluene-d8
Concen: 42.801 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 98 Resp: 327967
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7

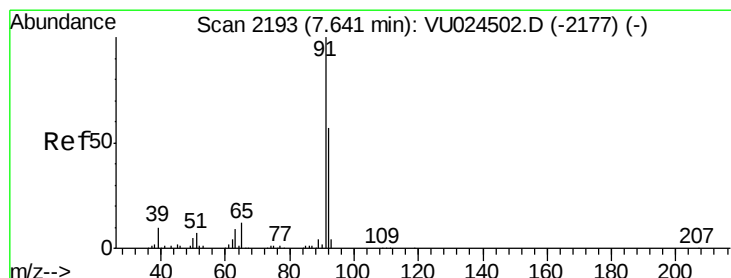
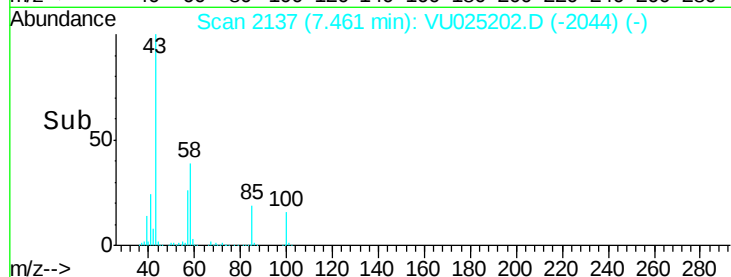
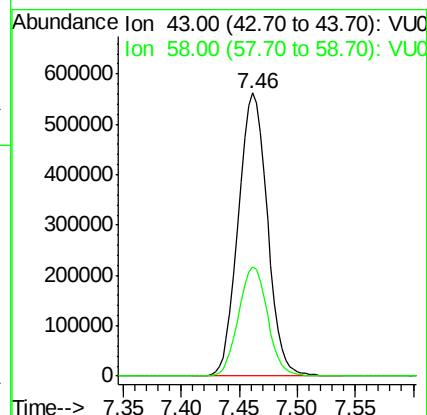
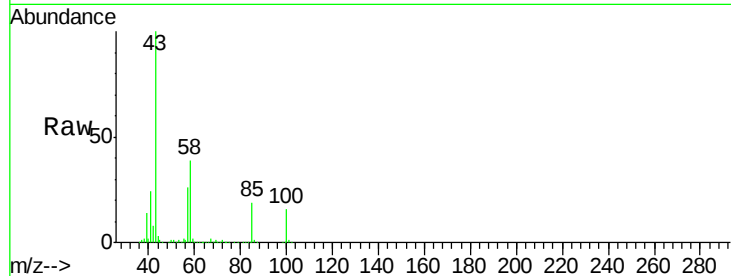




#51
 4-Methyl-2-Pentanone
 Concen: 276.476 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

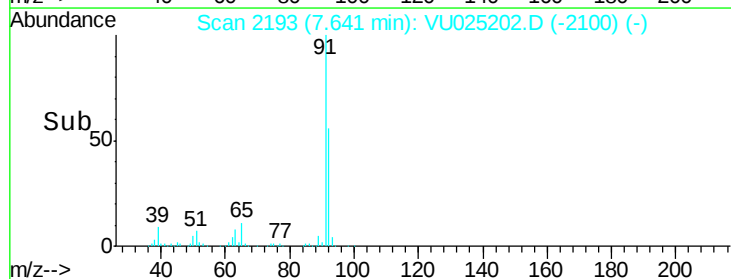
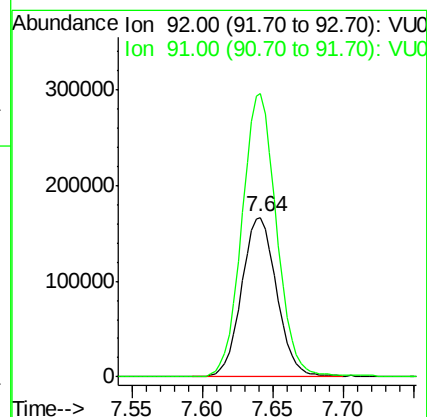
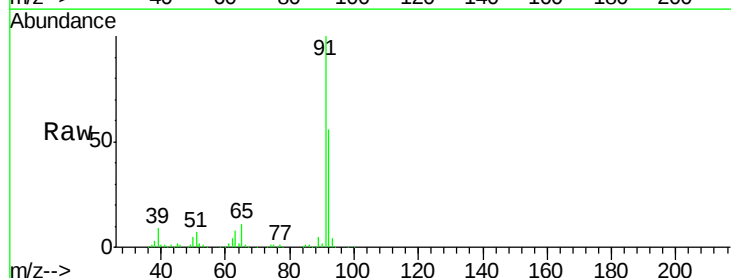
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

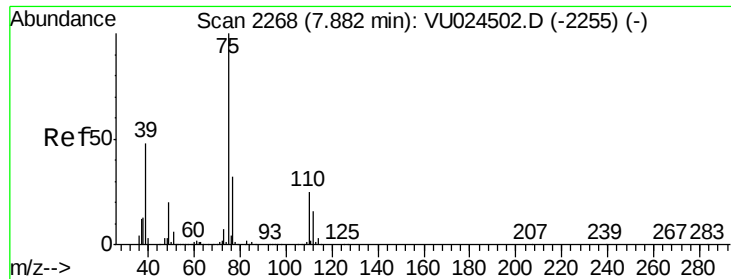
Tot Ion: 43 Resp: 973355
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.0 45.0



#52
 Toluene
 Concen: 53.430 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

Tgt Ion: 92 Resp: 291341
 Ion Ratio Lower Upper
 92 100
 91 176.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 50.159 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

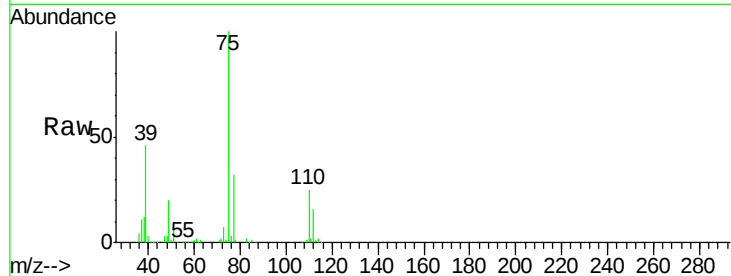
VSTDCCC050EC

Tot Ion: 75 Resp: 178174

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

120000

100000

80000

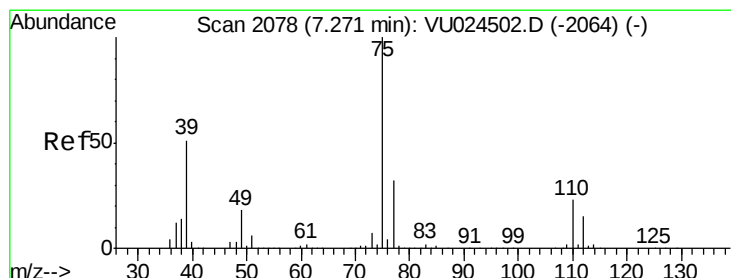
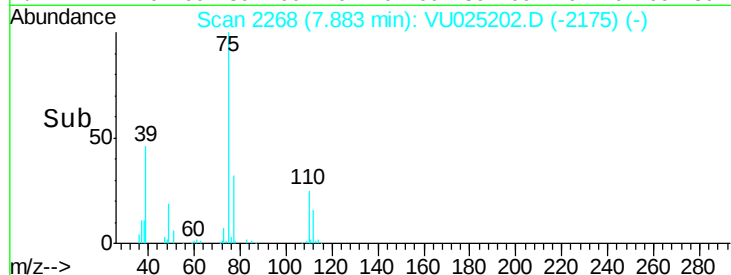
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.797 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

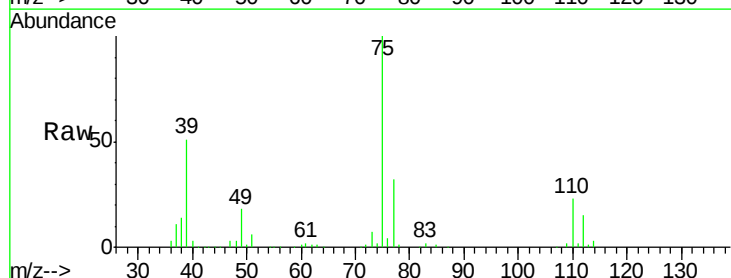
Tgt Ion: 75 Resp: 188483

Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

39 50.5 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

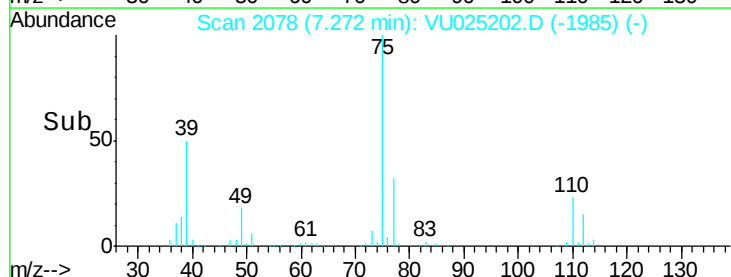
150000

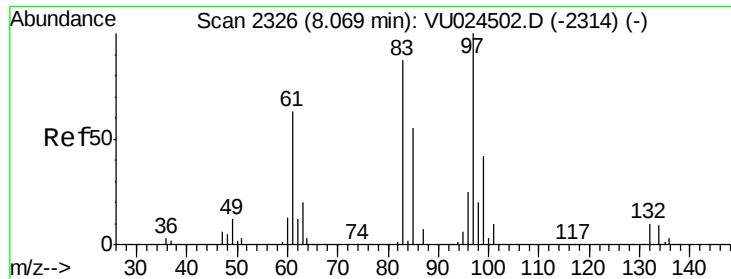
100000

50000

0

Time-->

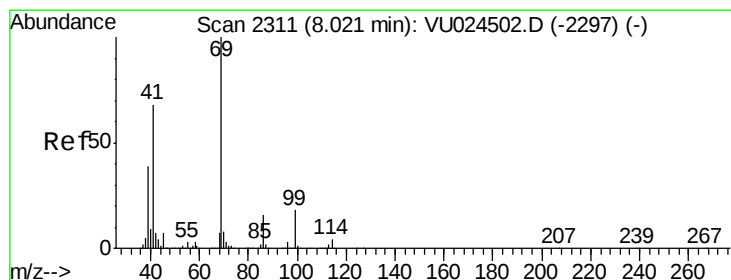
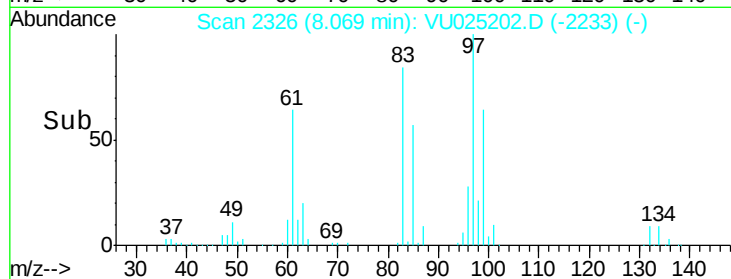
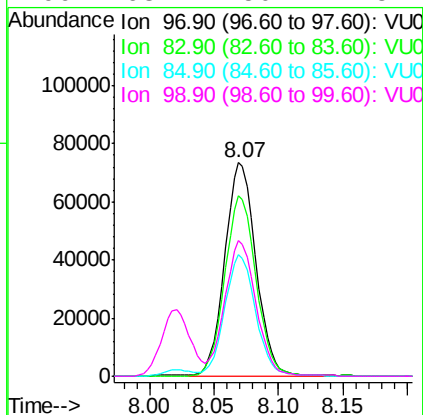
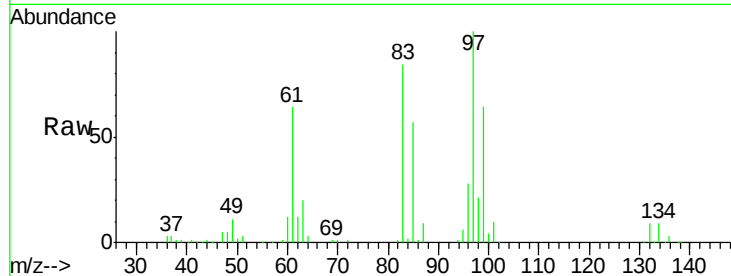




#55
 1,1,2-Trichloroethane
 Concen: 55.301 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

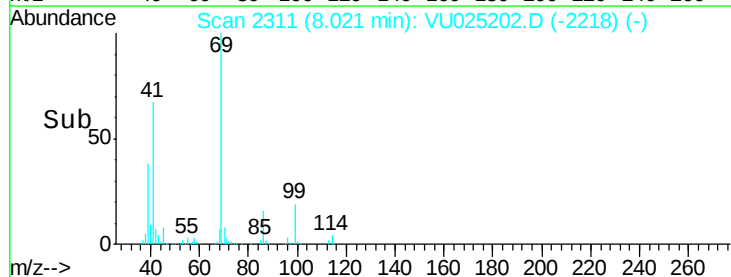
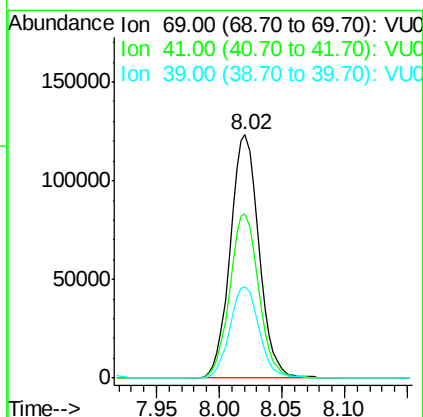
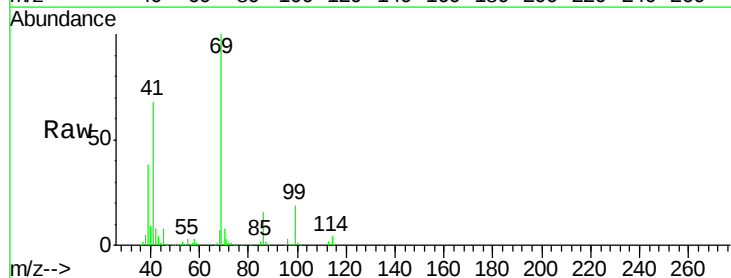
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

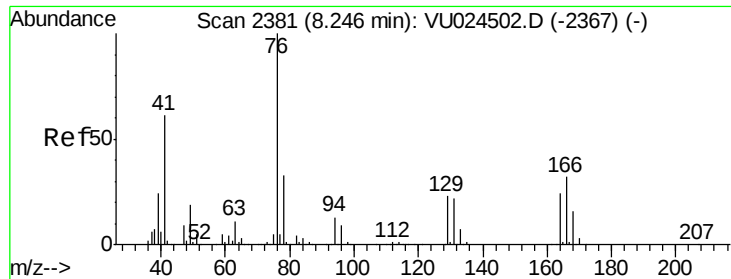
Tot Ion:	97	Resp:	122575
Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.5	105.7
85	56.7	46.4	69.6
99	63.7	50.2	75.2



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

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

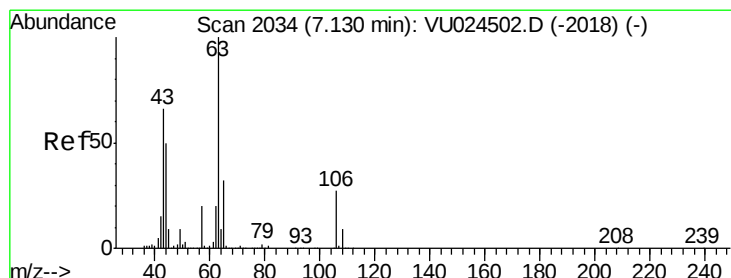
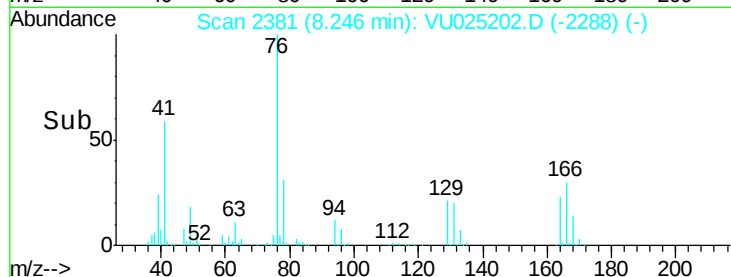
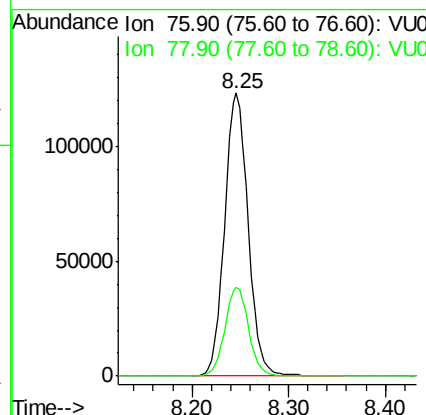
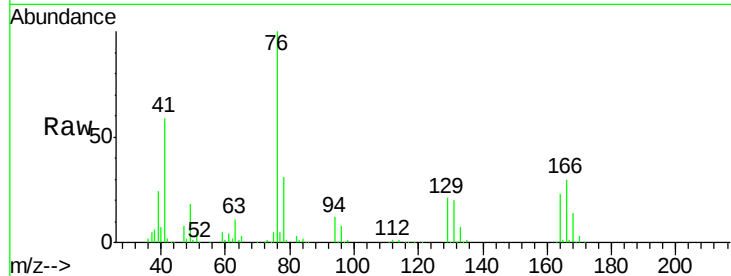




#57
 1,3-Dichloropropane
 Concen: 55.576 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

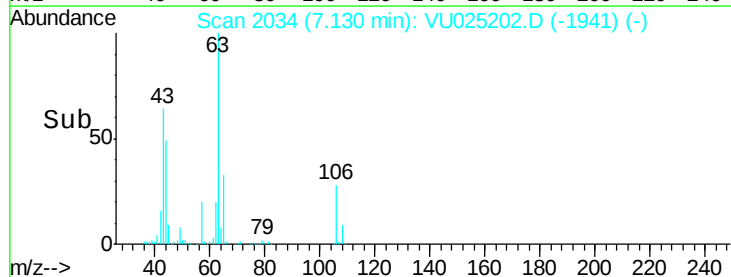
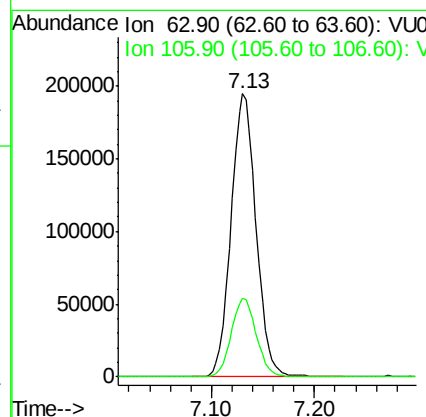
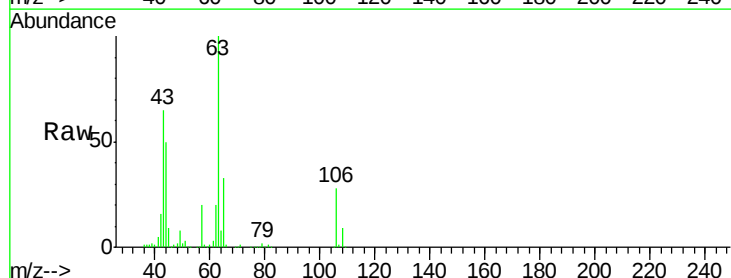
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

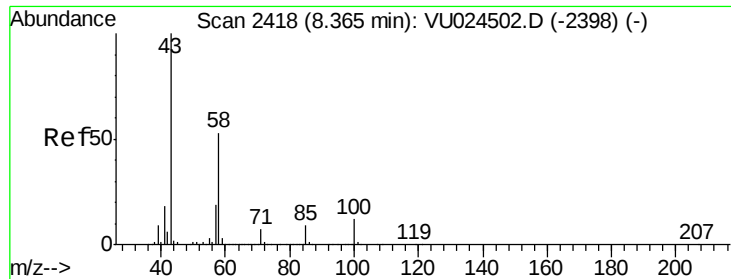
Tot Ion: 76 Resp: 207802
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8



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

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

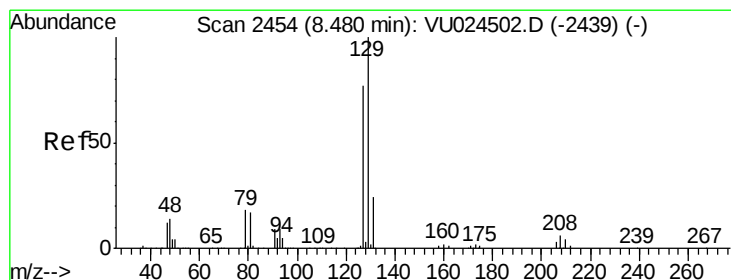
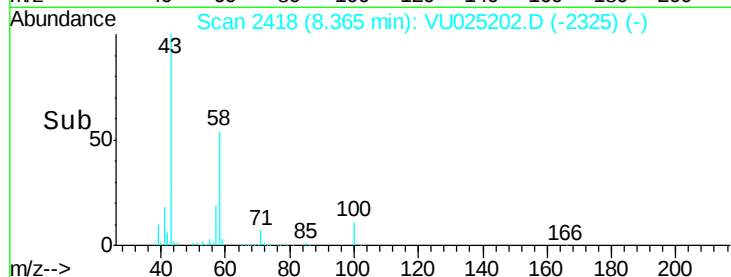
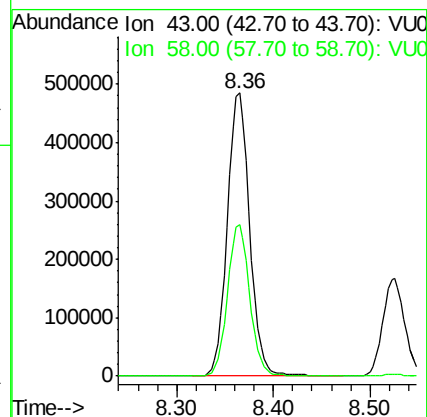
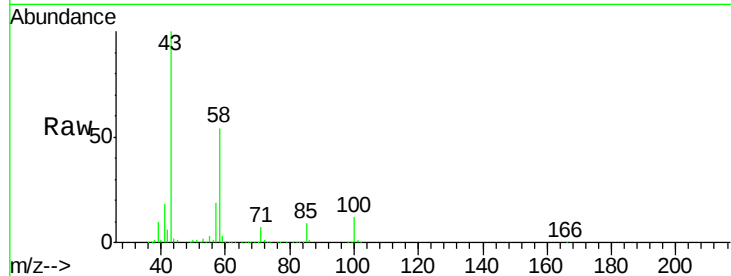




#59
2-Hexanone
Concen: 270.609 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

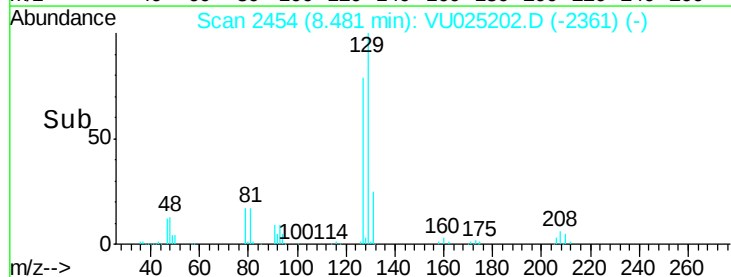
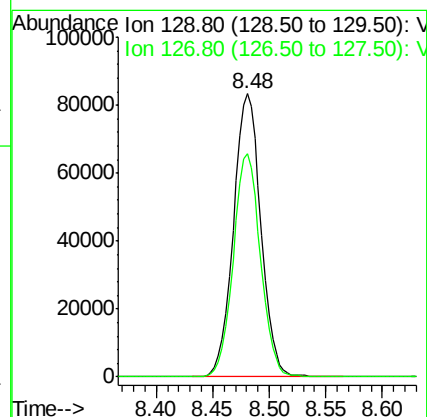
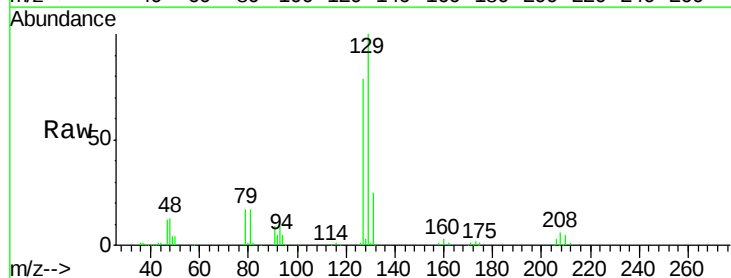
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

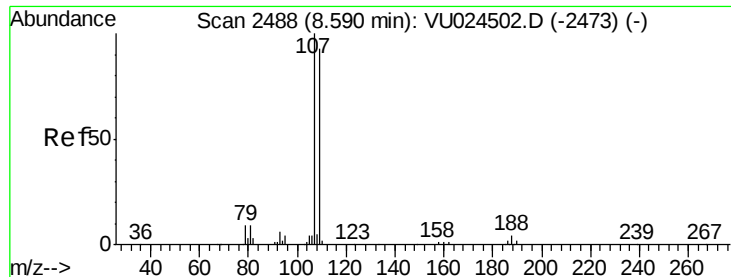
Tot Ion: 43 Resp: 777788
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



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

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





#61

1,2-Dibromoethane

Concen: 55.360 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

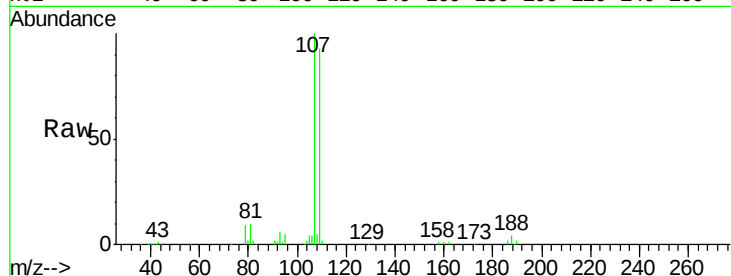
VSTDCCC050EC

Tot Ion:107 Resp: 136574

Ion Ratio Lower Upper

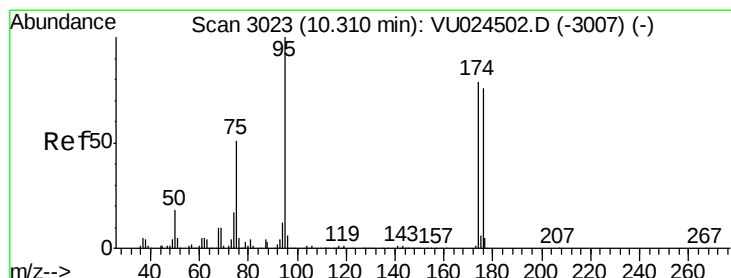
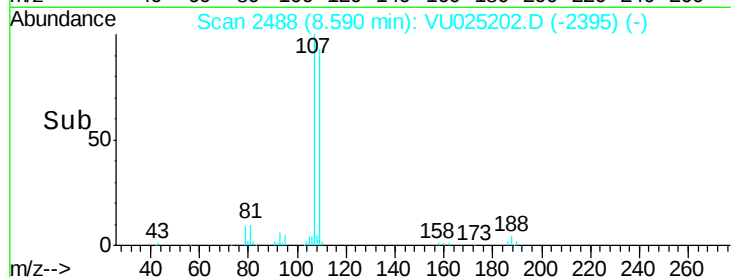
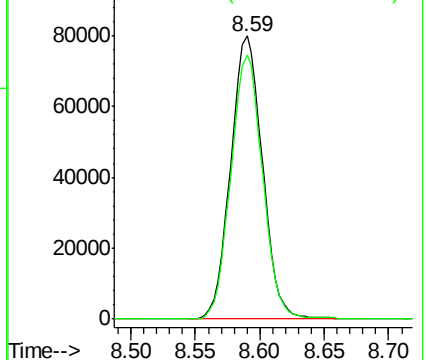
107 100

109 93.6 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.067 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

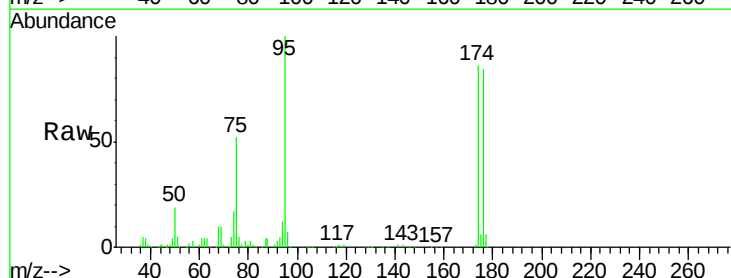
Tgt Ion: 95 Resp: 143195

Ion Ratio Lower Upper

95 100

174 86.6 0.0 165.8

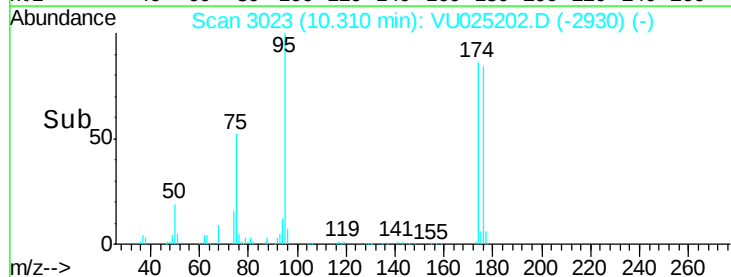
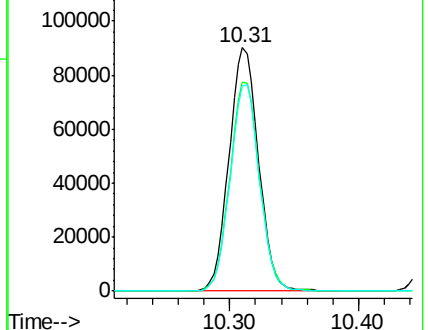
176 84.3 0.0 159.4

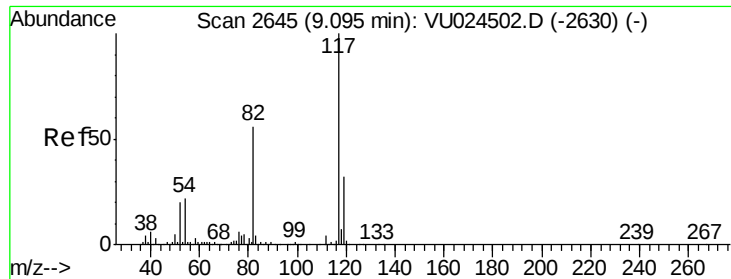


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

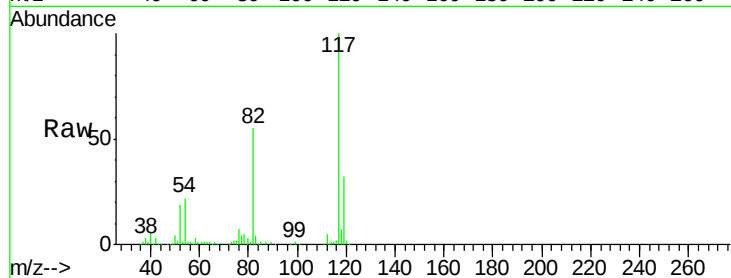




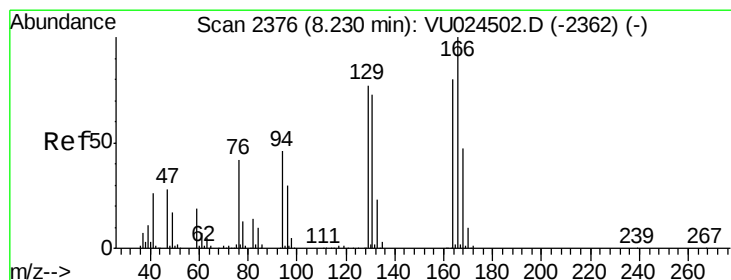
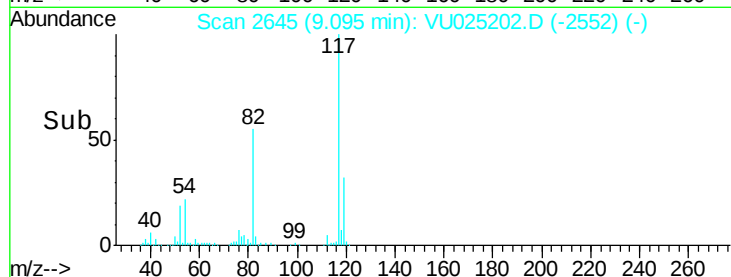
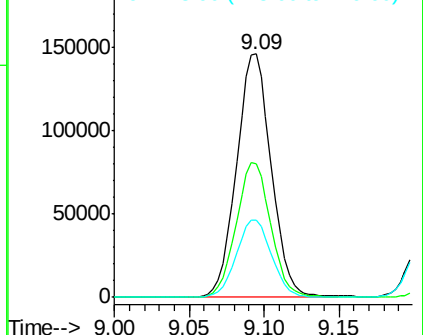
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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



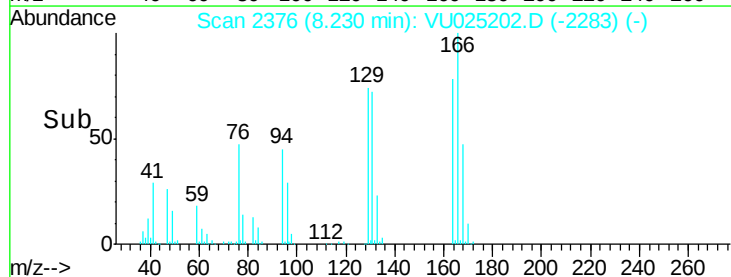
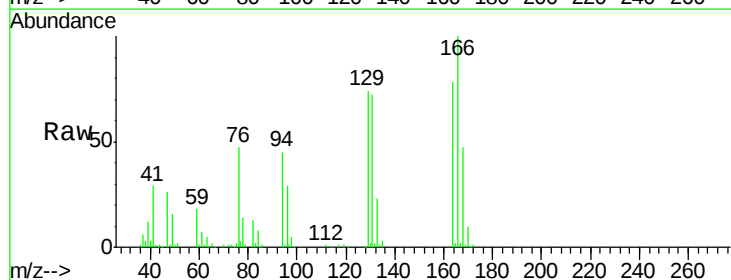
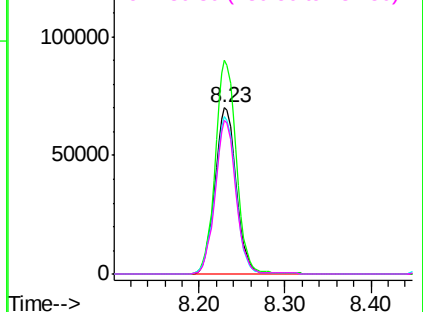
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

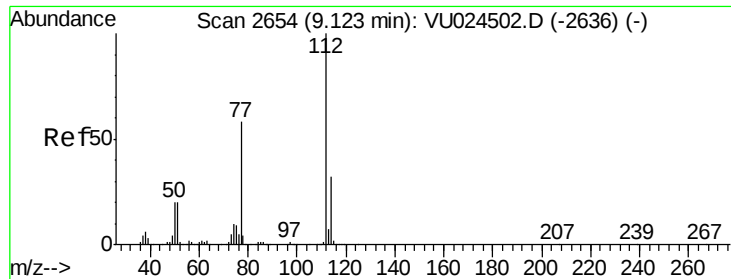


#64
Tetrachloroethene
Concen: 53.906 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

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

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

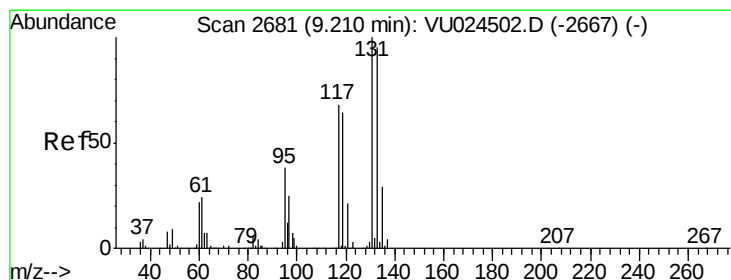
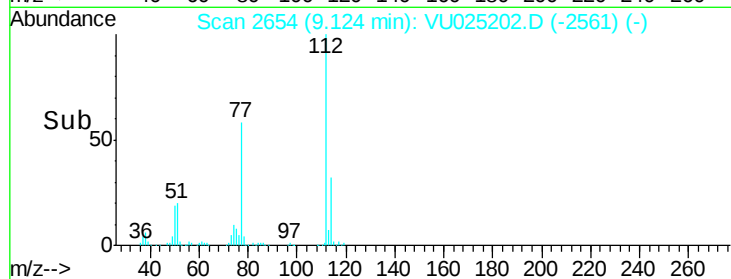
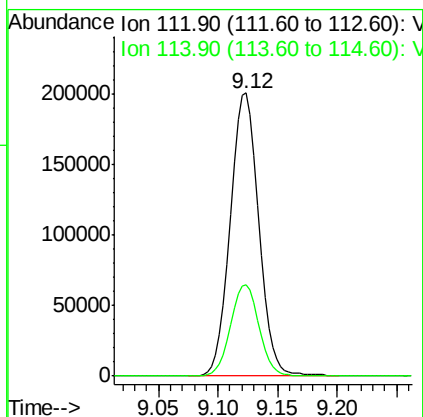
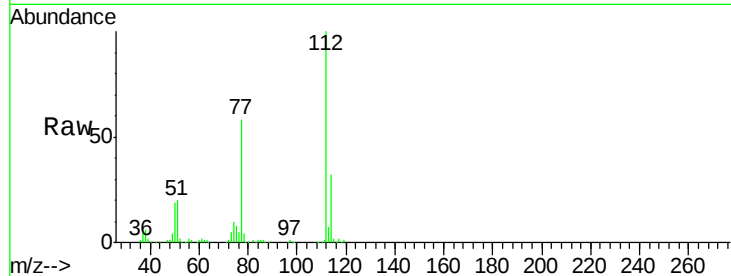




#65
Chlorobenzene
Concen: 55.466 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

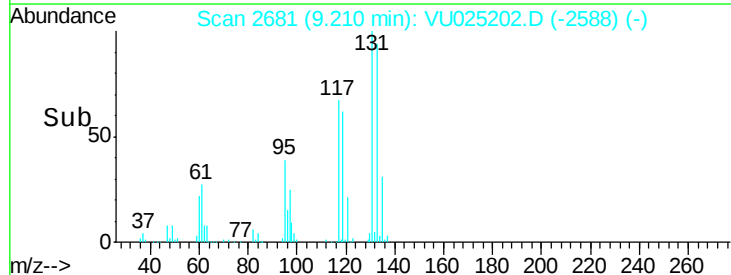
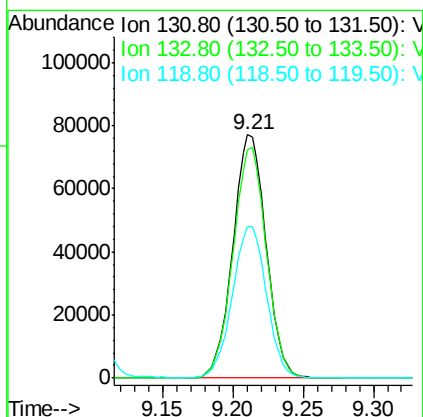
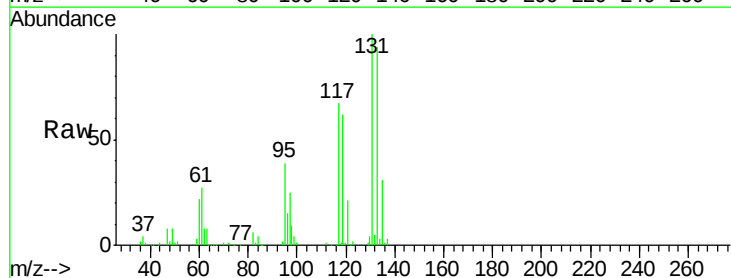
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

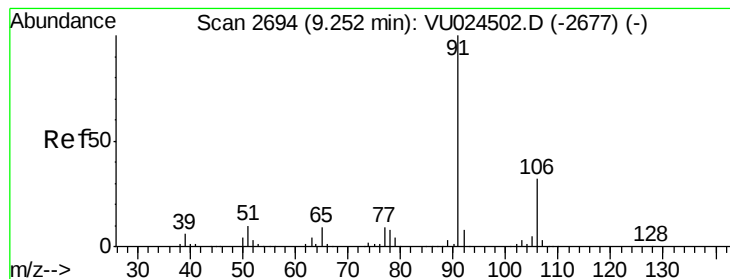
Tot Ion:112 Resp: 334906
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



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

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





#67

Ethyl Benzene

Concen: 54.693 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

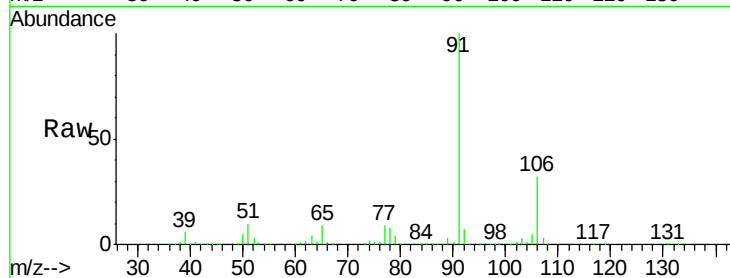
VSTDCCC050EC

Tot Ion: 91 Resp: 578928

Ion Ratio Lower Upper

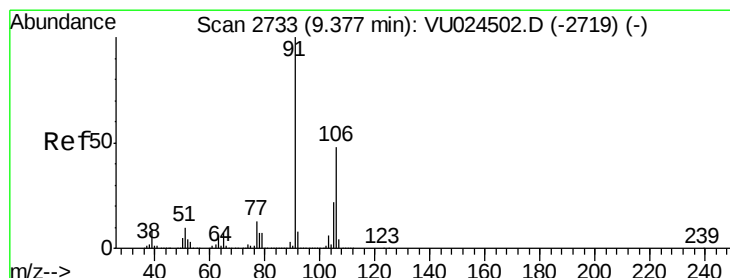
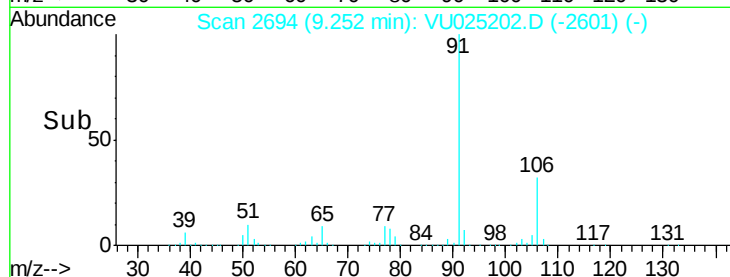
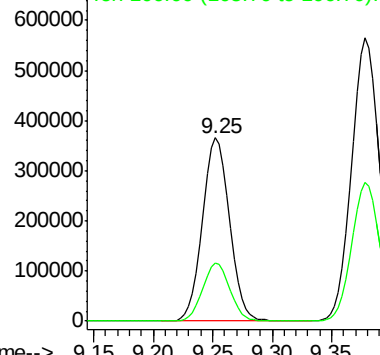
91 100

106 31.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.439 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025202.D

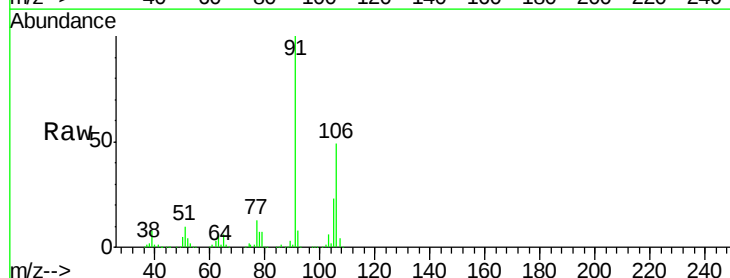
Acq: 03 Jul 2018 20:28

Tgt Ion: 106 Resp: 452964

Ion Ratio Lower Upper

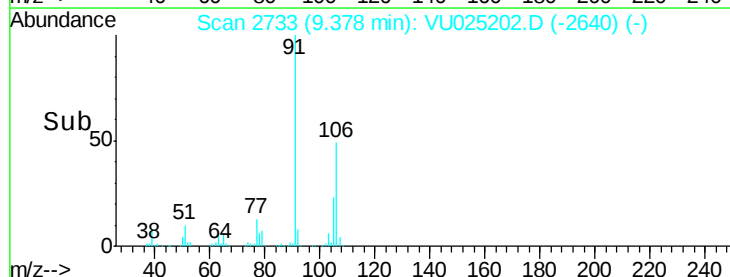
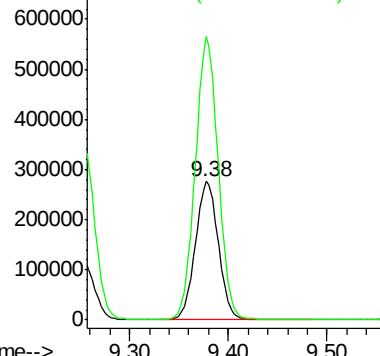
106 100

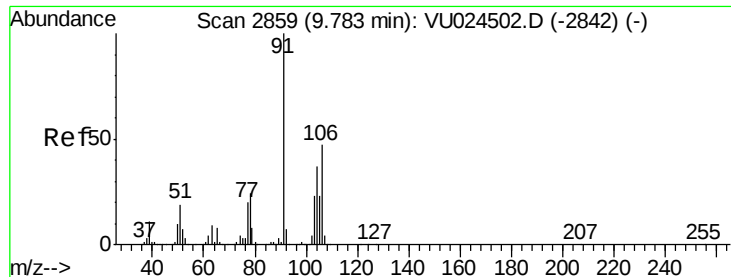
91 203.9 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

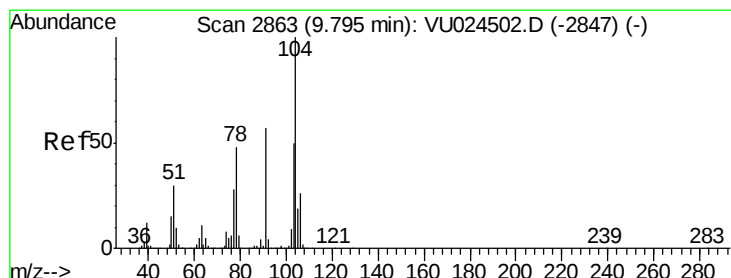
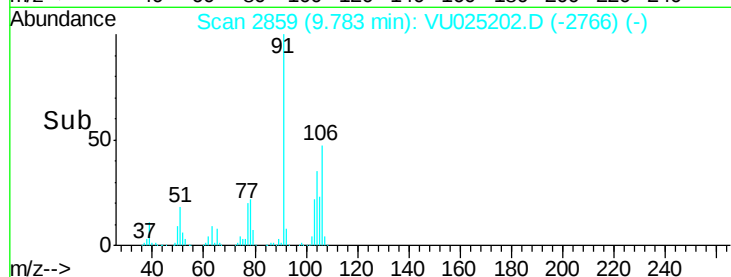
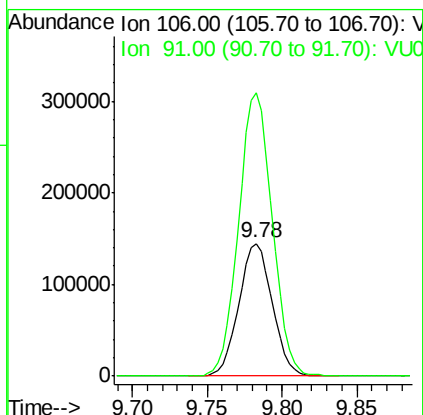
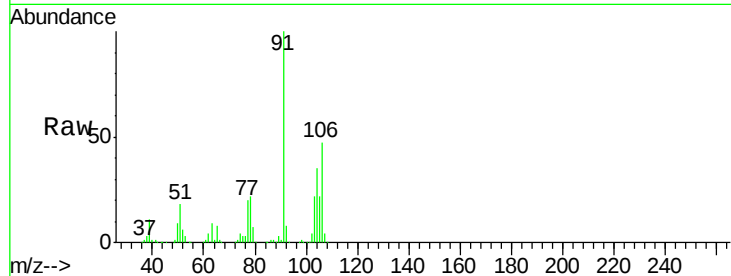




#69
o-Xylene
Concen: 55.966 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

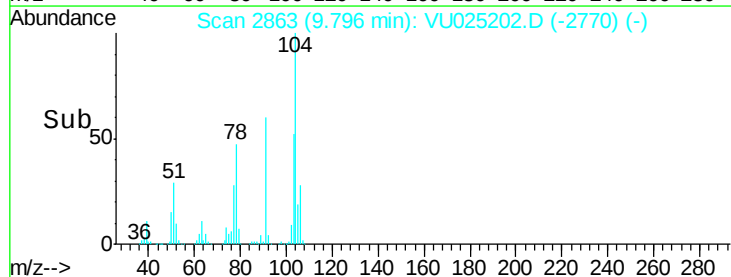
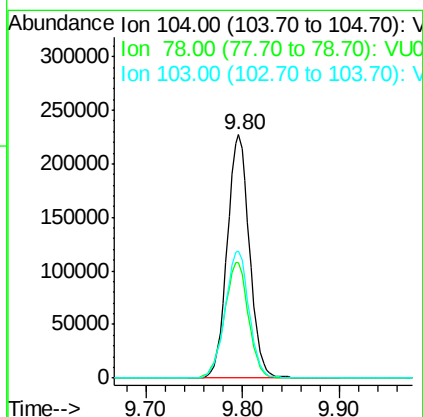
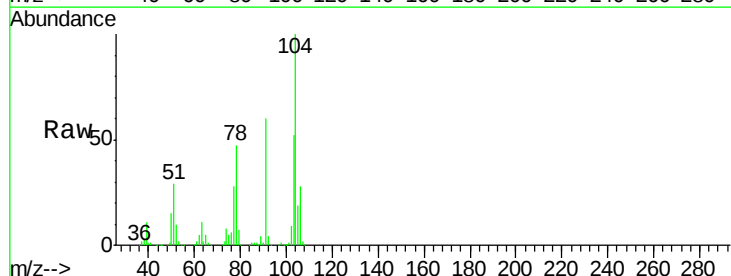
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

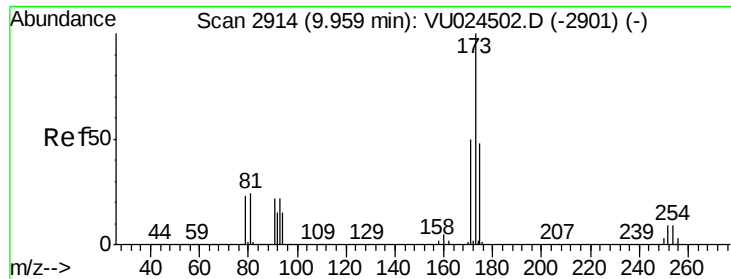
Tot Ion:106 Resp: 225134
Ion Ratio Lower Upper
106 100
91 215.1 110.7 331.9



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

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





#71

Bromoform

Concen: 50.915 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

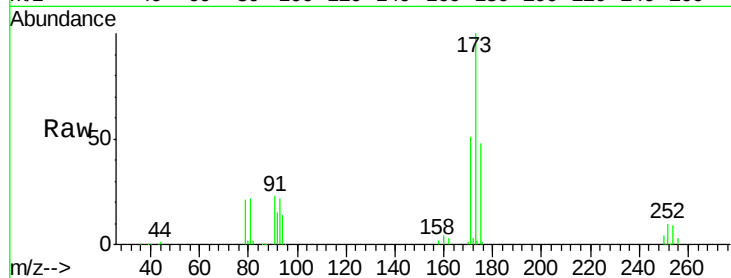
Tot Ion:173 Resp: 111015

Ion Ratio Lower Upper

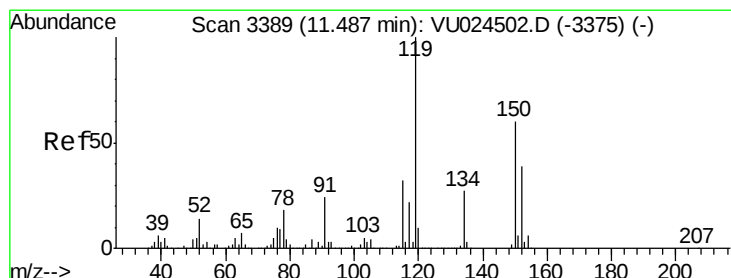
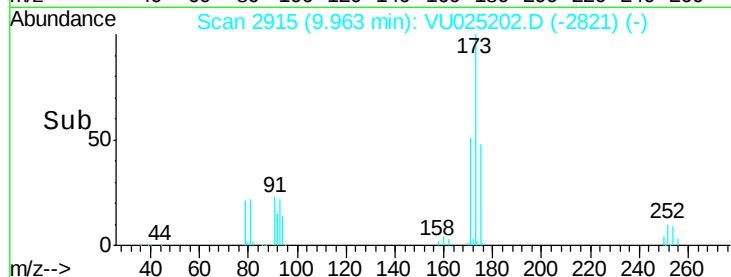
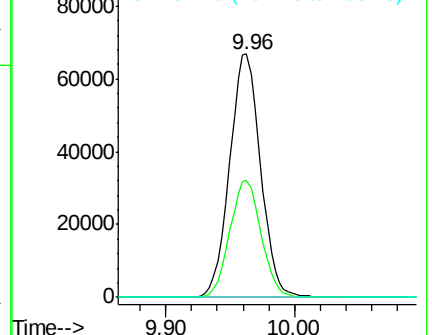
173 100

175 48.7 24.6 74.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

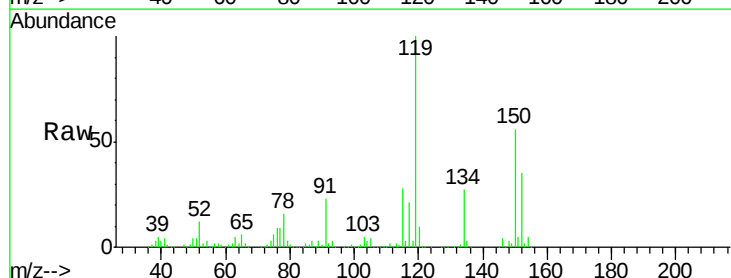
Tgt Ion:152 Resp: 143405

Ion Ratio Lower Upper

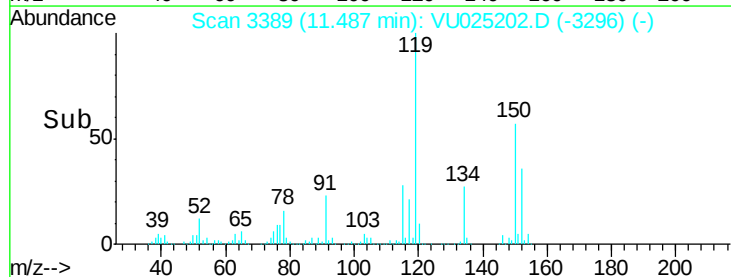
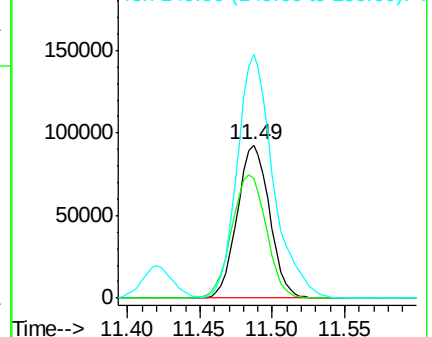
152 100

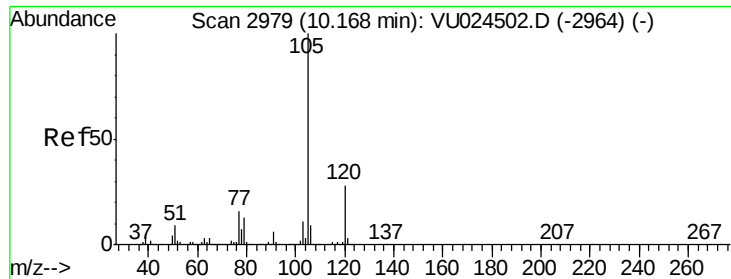
115 85.9 43.0 129.0

150 177.4 0.0 354.0



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





#73

Isopropylbenzene

Concen: 55.192 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

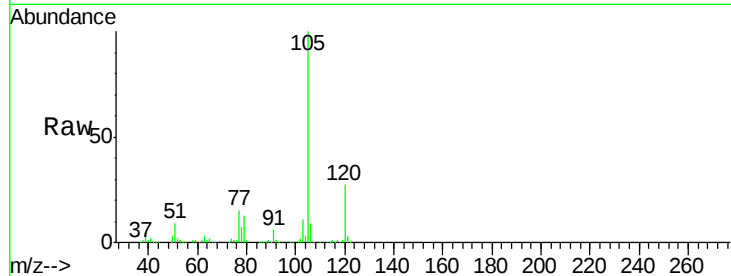
VSTDCCC050EC

Tot Ion:105 Resp: 607667

Ion Ratio Lower Upper

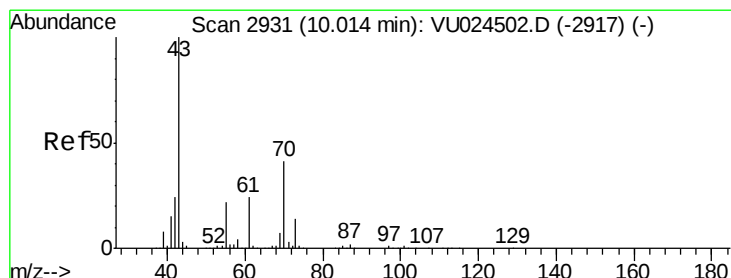
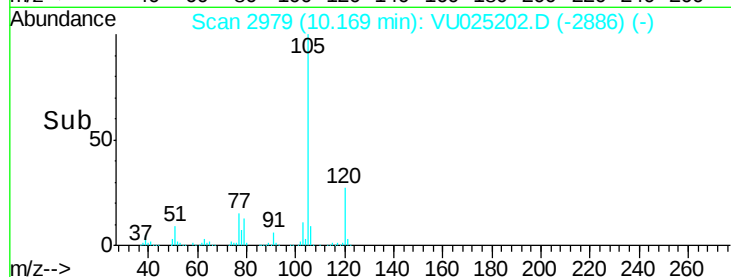
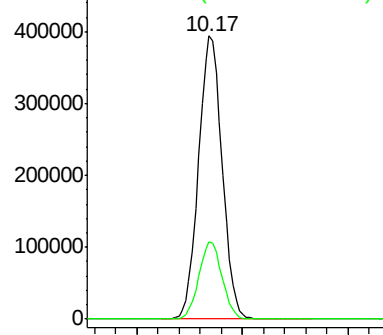
105 100

120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.261 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Tgt Ion: 43 Resp: 263212

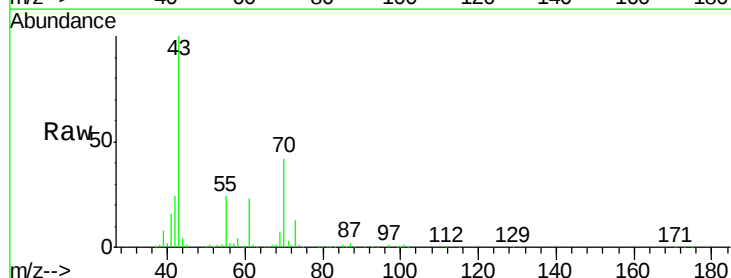
Ion Ratio Lower Upper

43 100

70 42.1 32.2 48.4

55 23.8 20.5 30.7

61 23.7 18.7 28.1

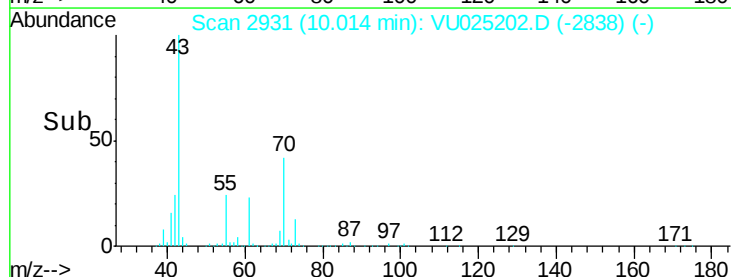
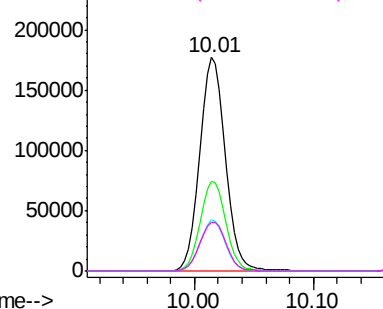


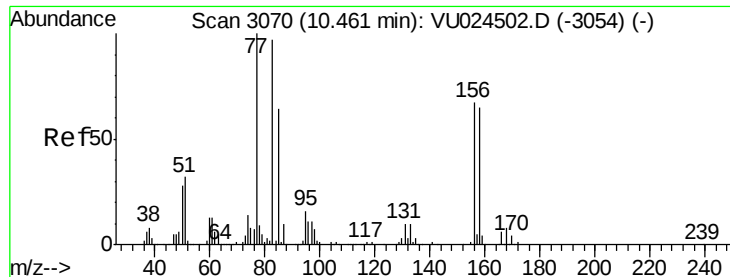
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.741 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

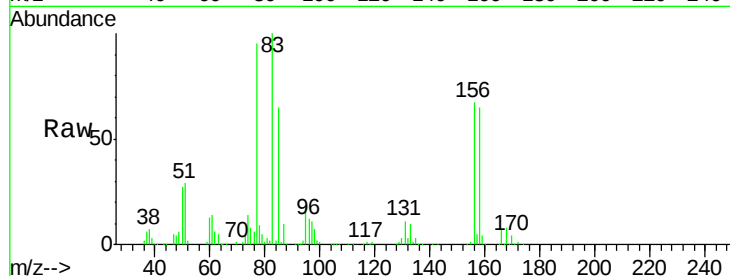
Tot Ion: 83 Resp: 209347

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

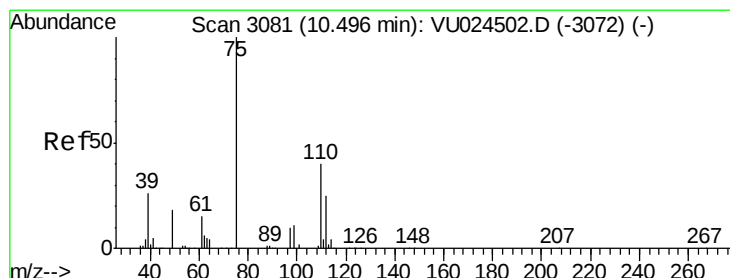
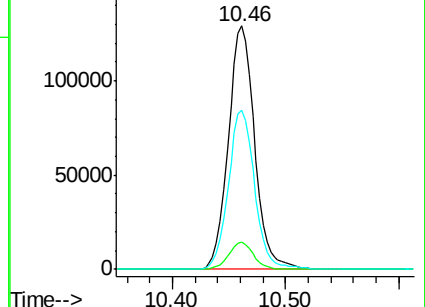
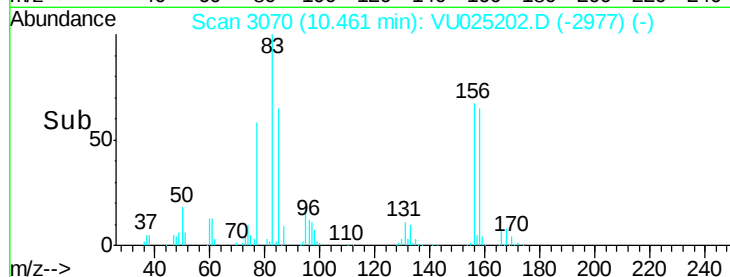
85 65.3 32.5 97.5



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

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

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



#76

1,2,3-Trichloropropane

Concen: 76.376 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025202.D

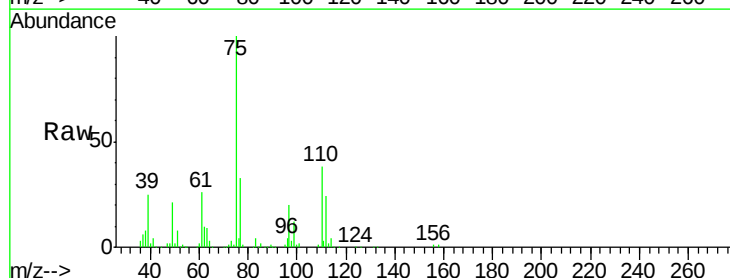
Acq: 03 Jul 2018 20:28

Tgt Ion: 75 Resp: 241139

Ion Ratio Lower Upper

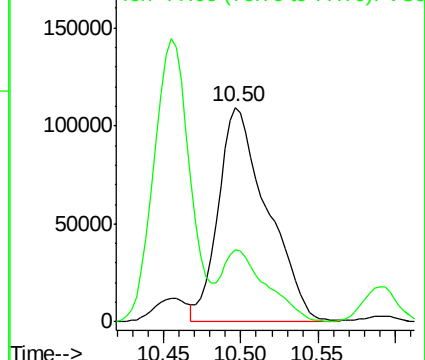
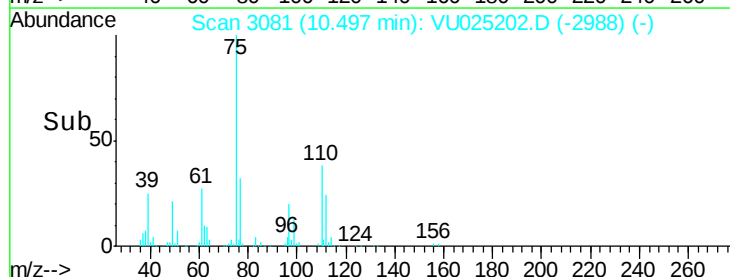
75 100

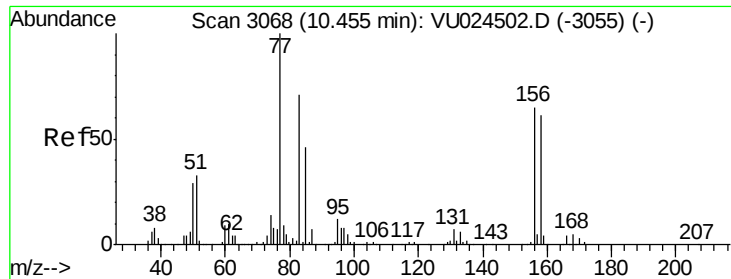
77 29.7 20.9 62.7



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

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





#77

Bromobenzene

Concen: 56.139 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

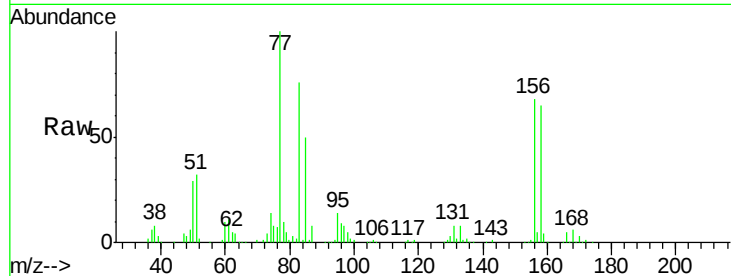
Tot Ion:156 Resp: 156478

Ion Ratio Lower Upper

156 100

77 148.7 80.5 241.3

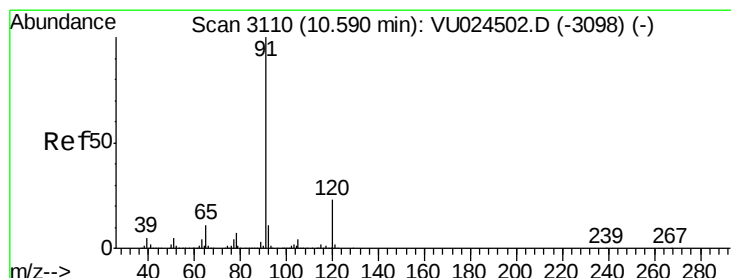
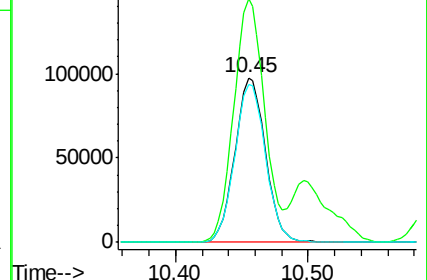
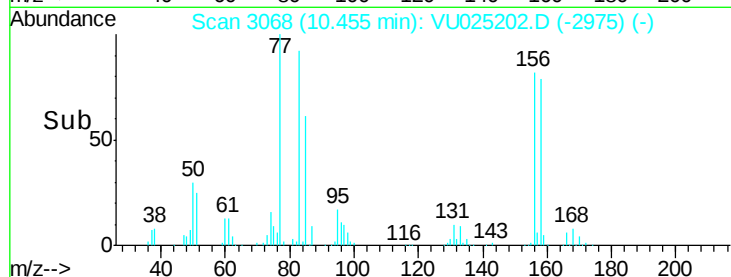
158 97.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.296 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025202.D

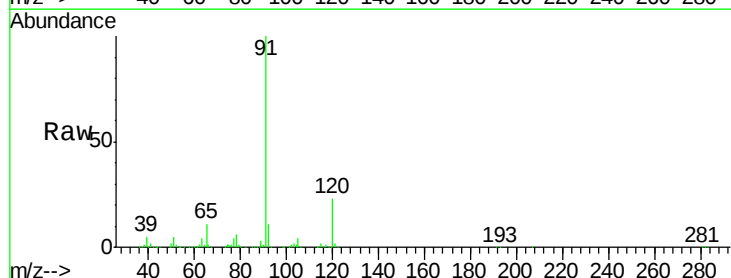
Acq: 03 Jul 2018 20:28

Tgt Ion: 91 Resp: 678271

Ion Ratio Lower Upper

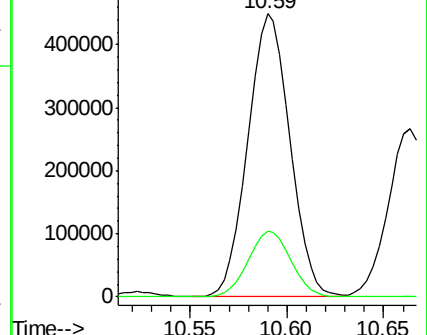
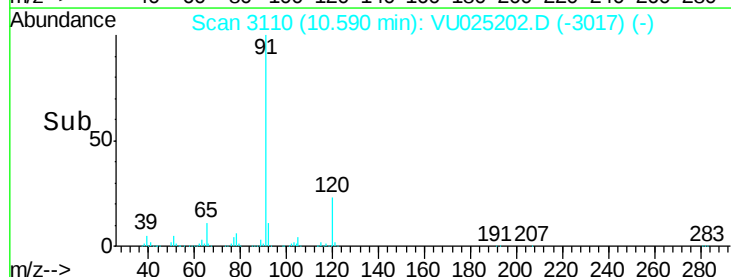
91 100

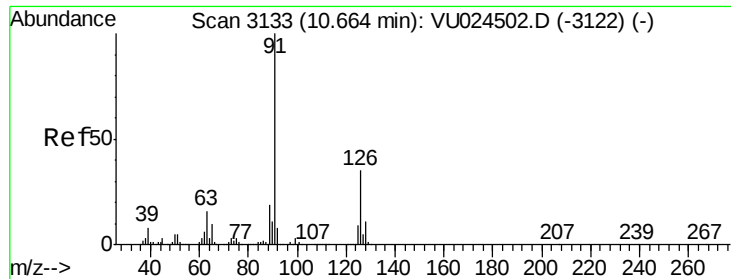
120 23.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.976 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

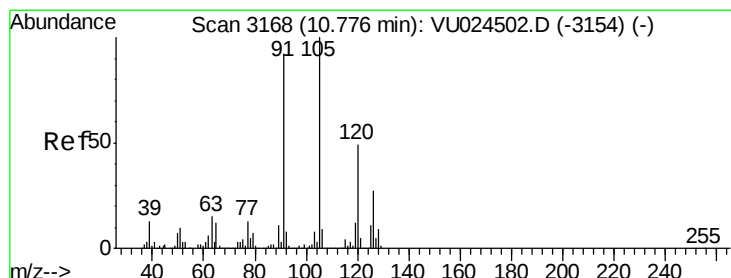
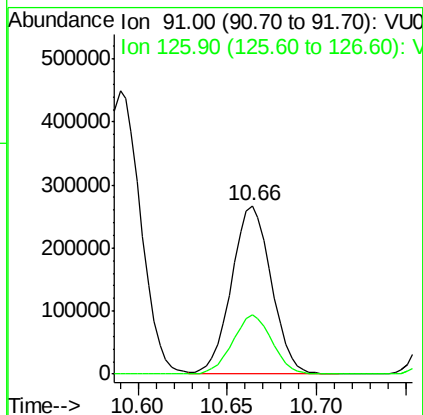
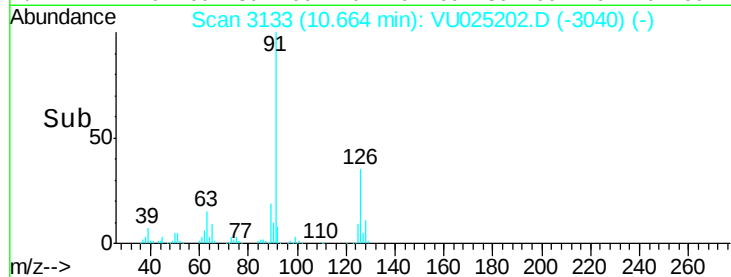
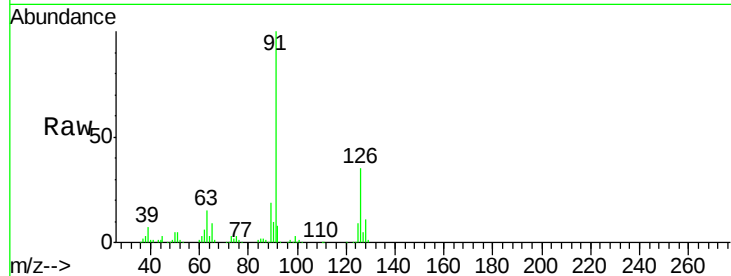
VSTDCCC050EC

Tot Ion: 91 Resp: 412830

Ion Ratio Lower Upper

91 100

126 35.1 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 54.387 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025202.D

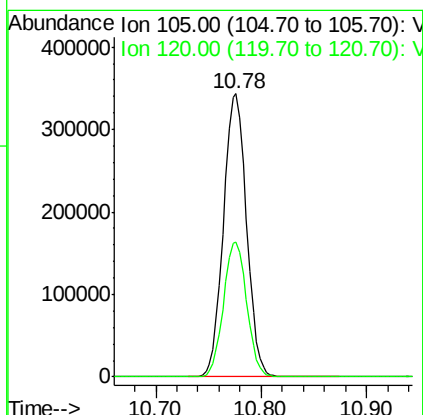
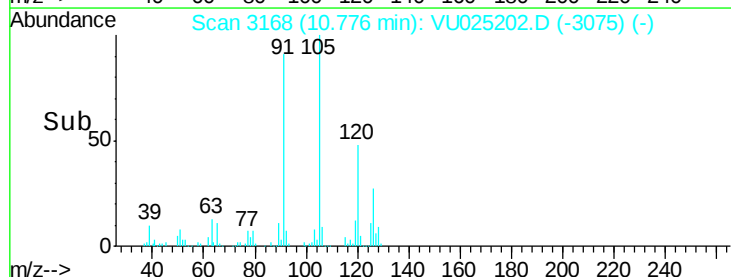
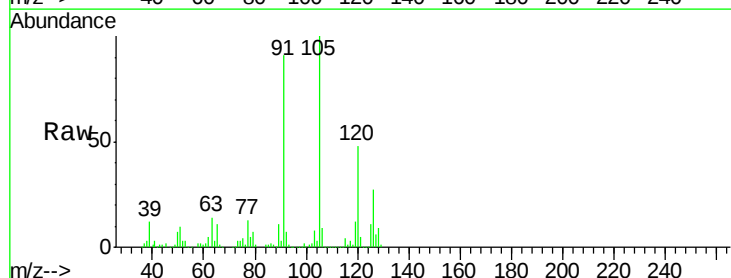
Acq: 03 Jul 2018 20:28

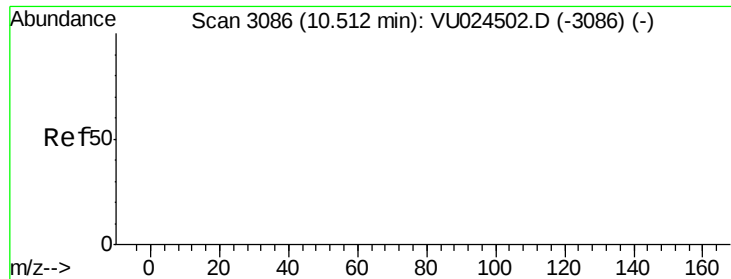
Tgt Ion: 105 Resp: 519012

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2

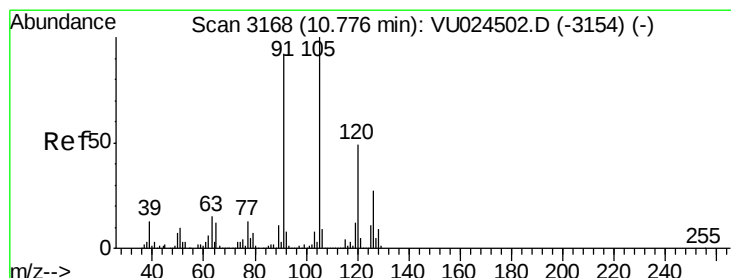
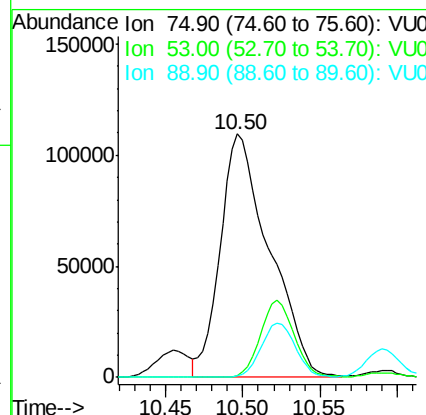
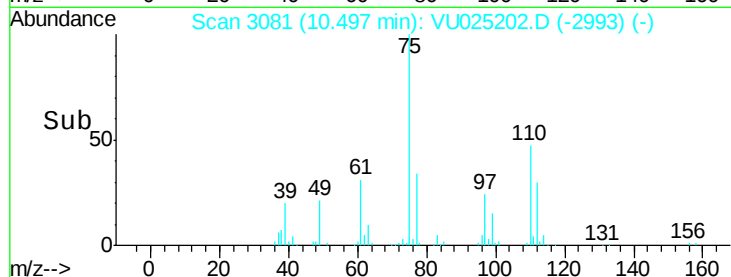
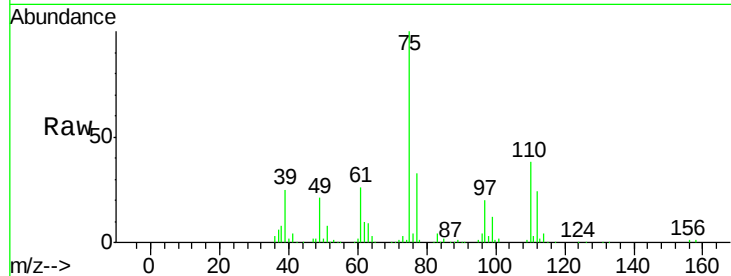




#81
trans-1,4-Dichloro-2-butene
Concen: 176.766 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

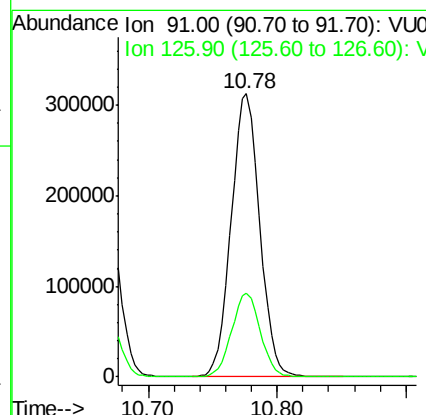
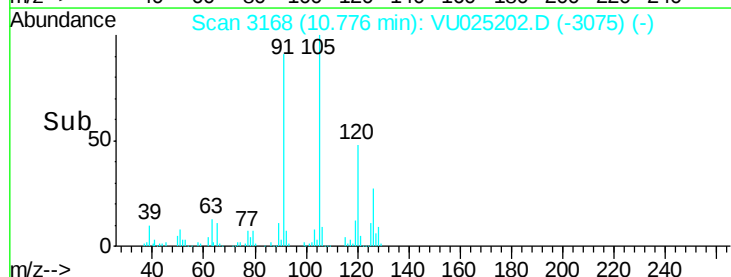
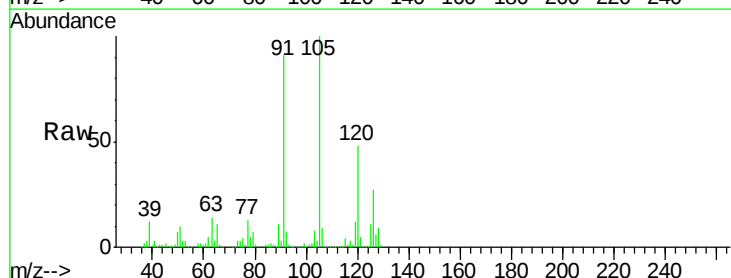
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

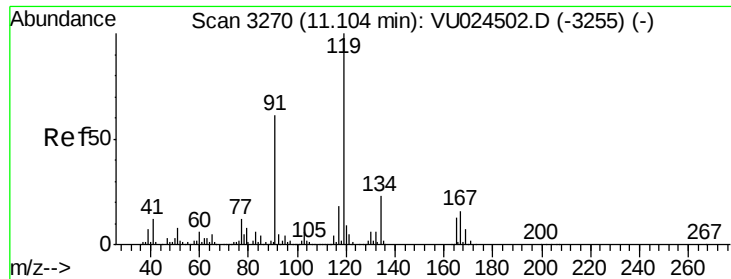
Tot Ion: 75 Resp: 241139
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



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

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

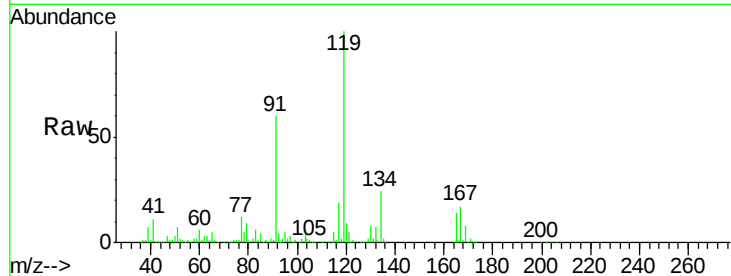




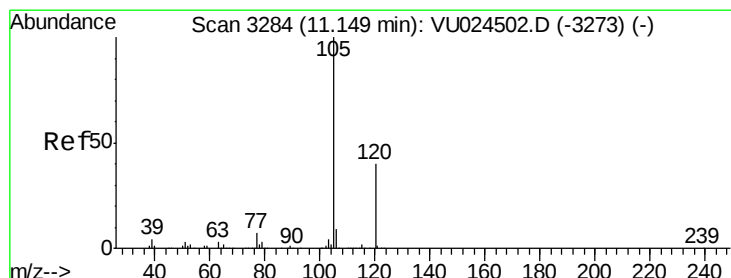
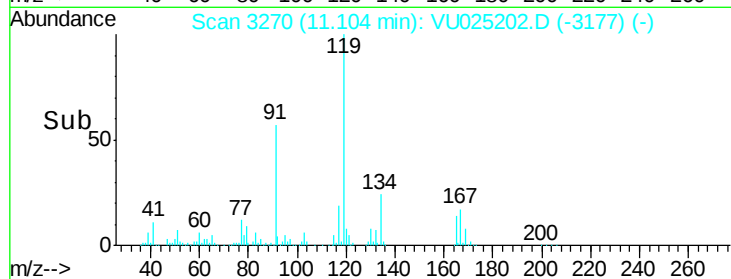
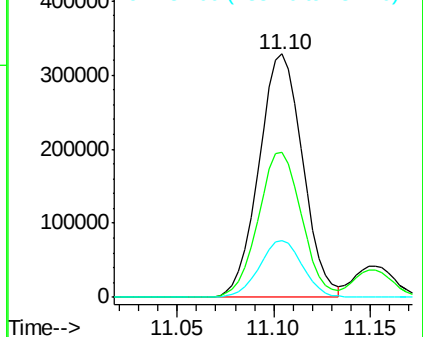
#83
tert-Butylbenzene
Concen: 56.280 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

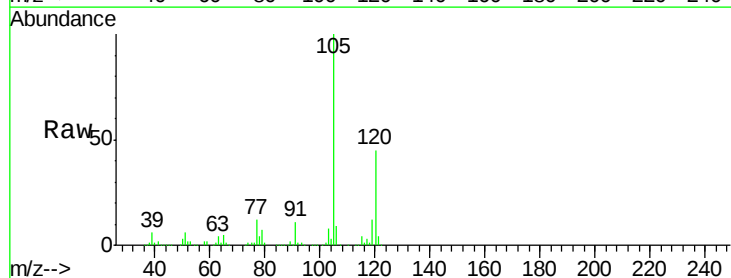


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

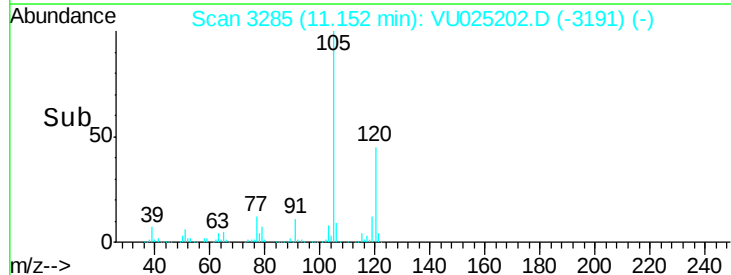
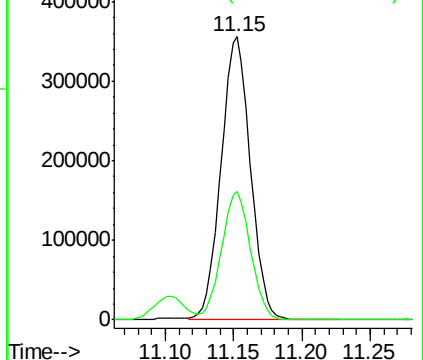


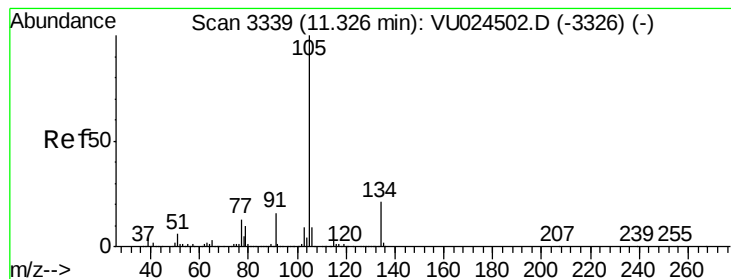
#84
1,2,4-Trimethylbenzene
Concen: 54.470 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

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



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





#85

sec-Butylbenzene

Concen: 54.242 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

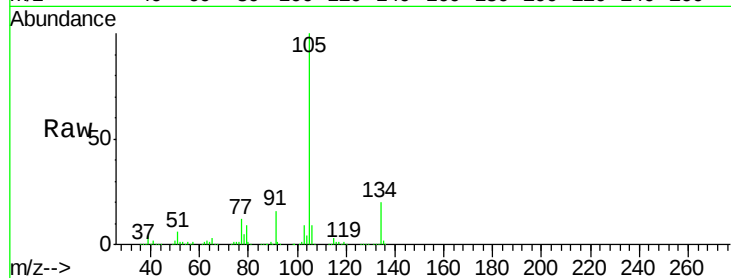
VSTDCCC050EC

Tot Ion:105 Resp: 623258

Ion Ratio Lower Upper

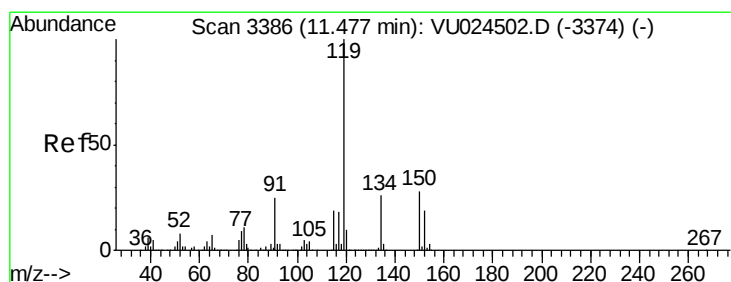
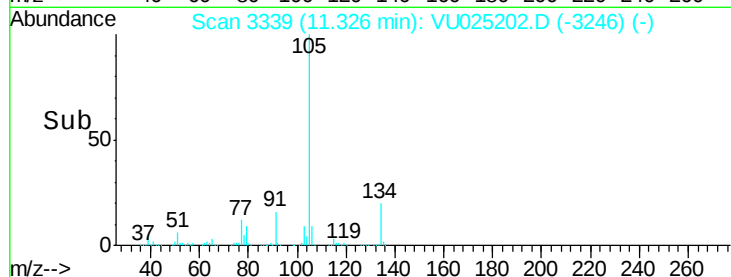
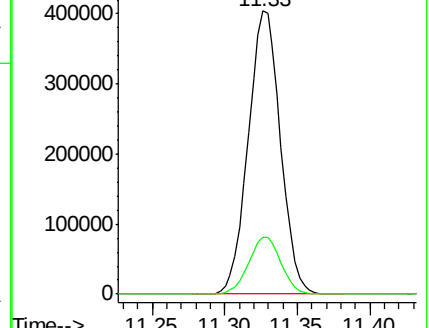
105 100

134 20.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.916 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

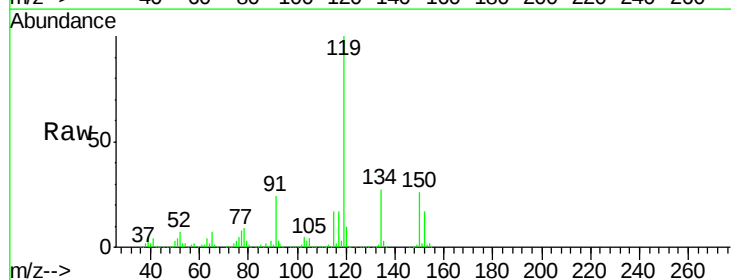
Tgt Ion:119 Resp: 544558

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

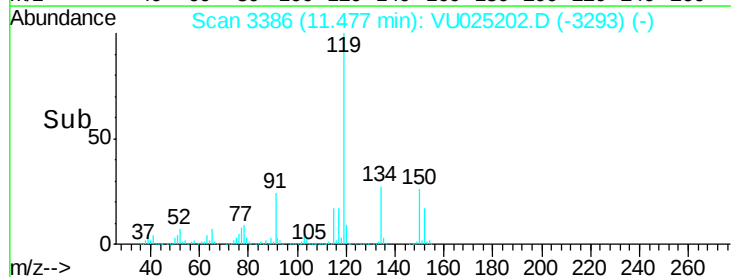
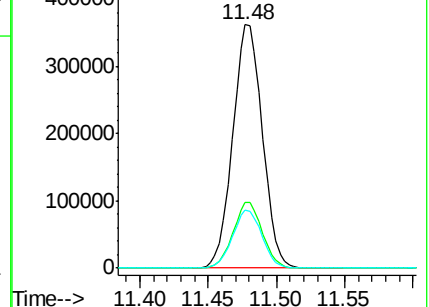
91 23.8 12.0 36.1

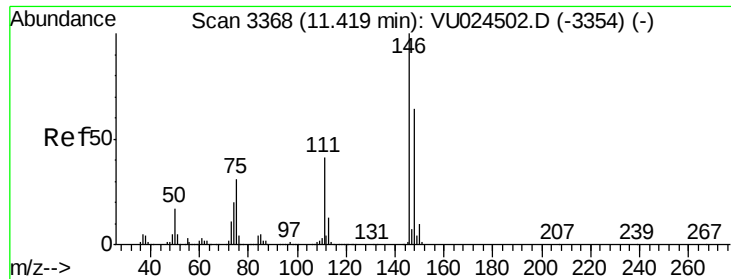


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

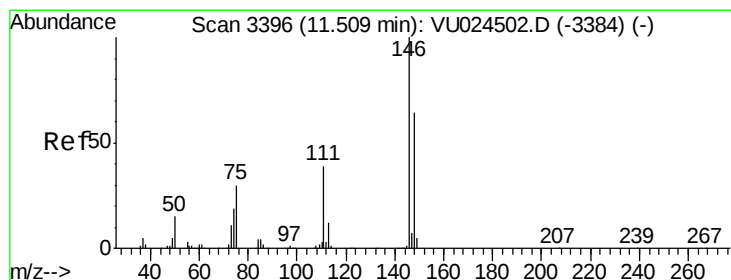
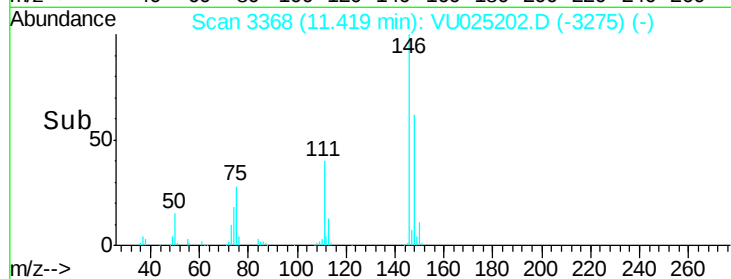
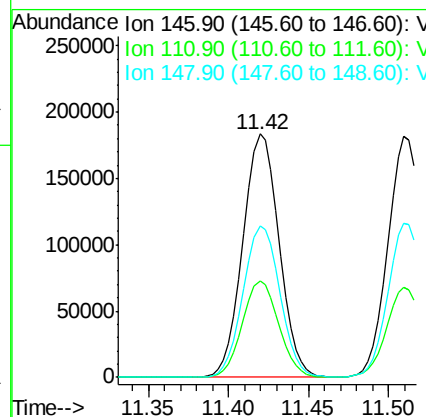
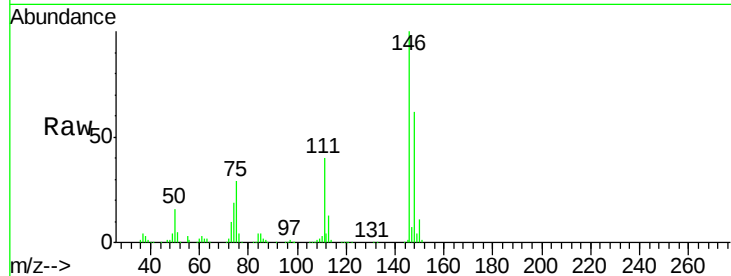




#87
 1,3-Dichlorobenzene
 Concen: 55.002 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

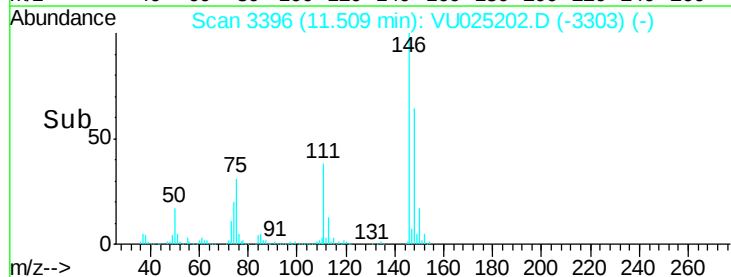
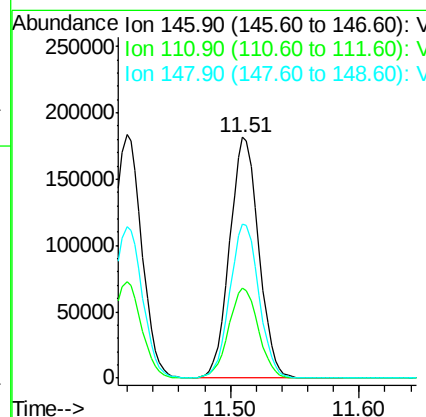
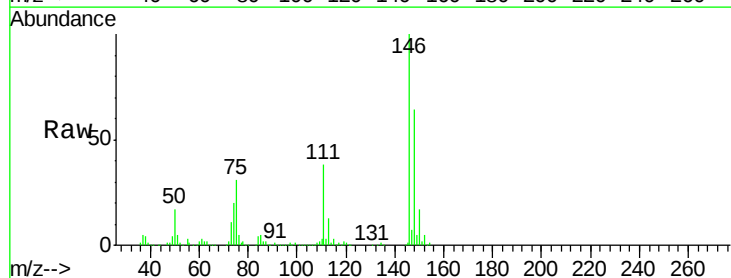
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

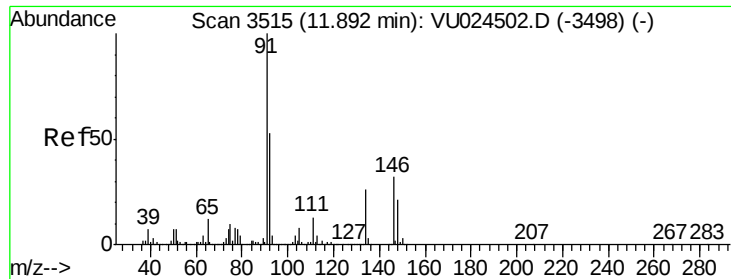
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.4	32.1	96.5



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

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

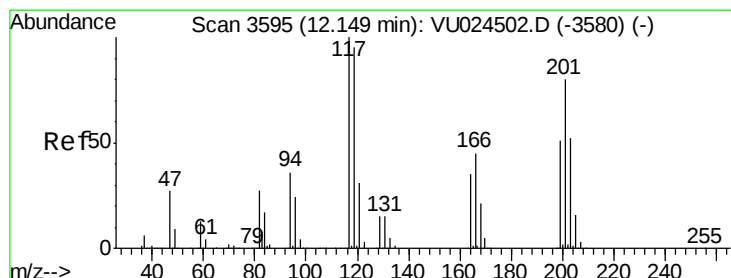
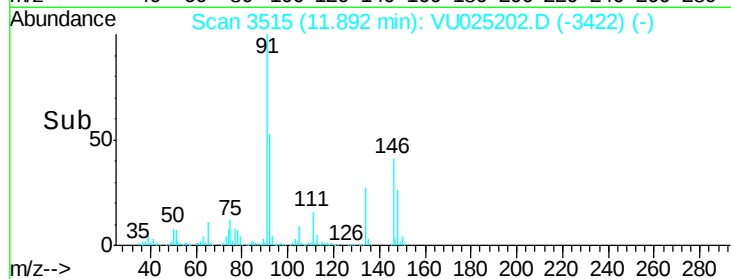
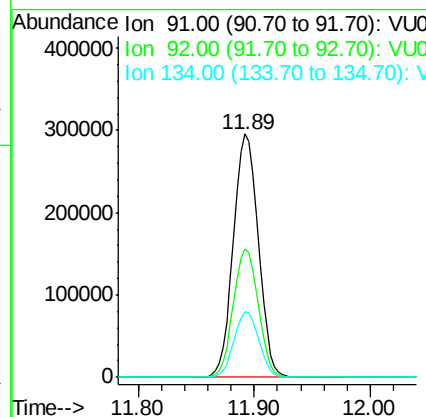
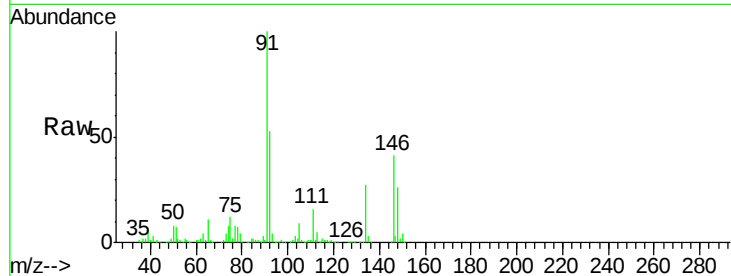




#89
n-Butylbenzene
Concen: 48.144 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

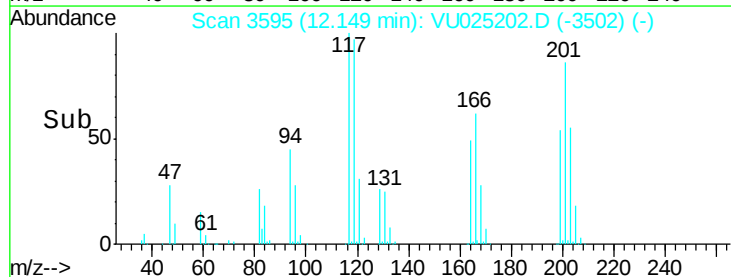
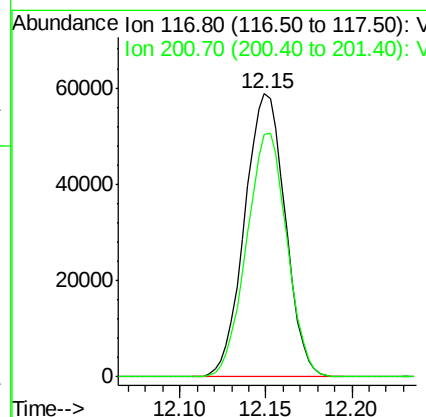
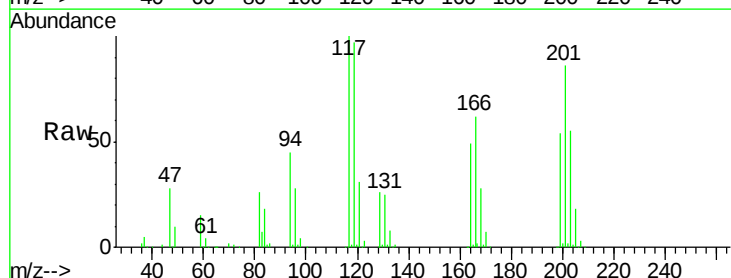
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

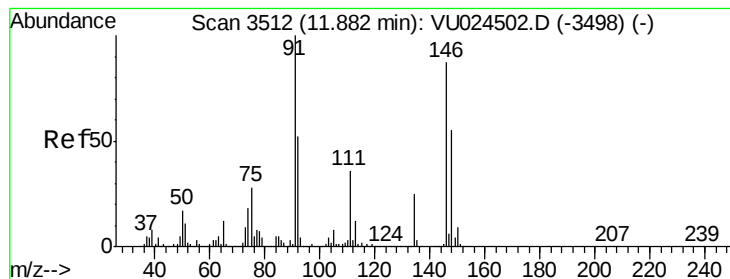
Tot Ion: 91 Resp: 439869
Ion Ratio Lower Upper
91 100
92 52.7 25.6 76.8
134 26.8 12.3 36.8



#90
Hexachloroethane
Concen: 47.925 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025202.D
Acq: 03 Jul 2018 20:28

Tgt Ion: 117 Resp: 96211
Ion Ratio Lower Upper
117 100
201 85.4 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 56.627 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

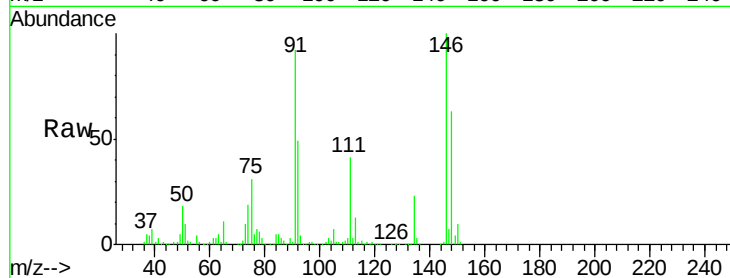
Tot Ion:146 Resp: 292080

Ion Ratio Lower Upper

146 100

111 40.9 20.5 61.6

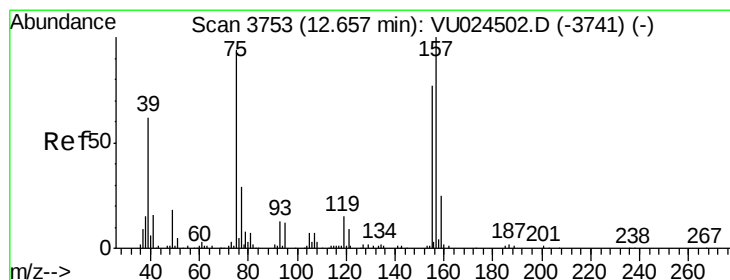
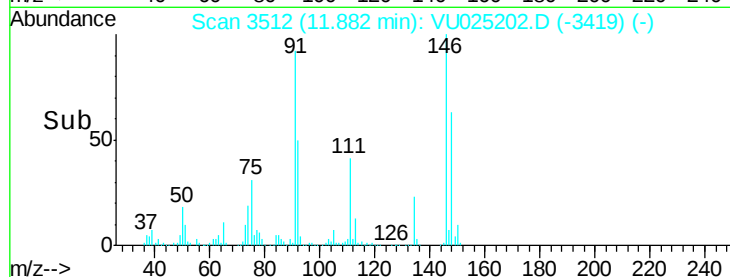
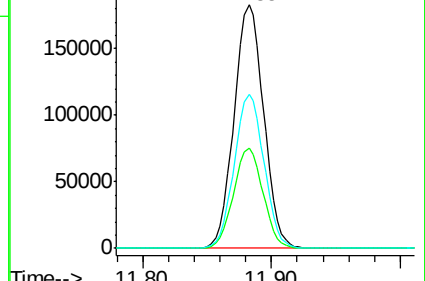
148 63.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.088 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

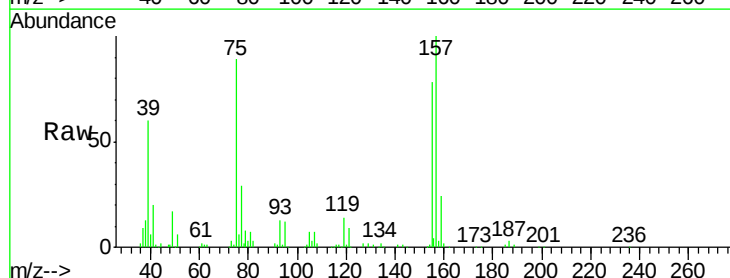
Tgt Ion: 75 Resp: 53028

Ion Ratio Lower Upper

75 100

155 87.4 40.4 121.2

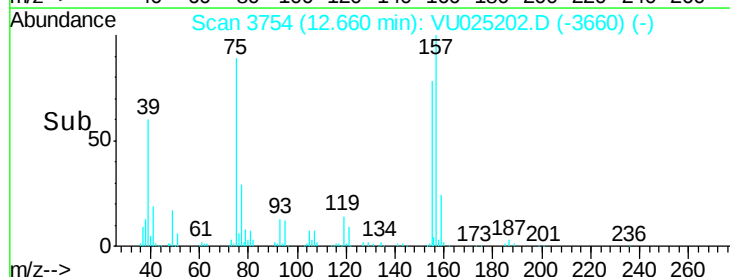
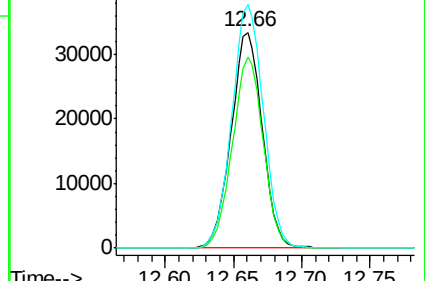
157 114.2 52.3 156.8

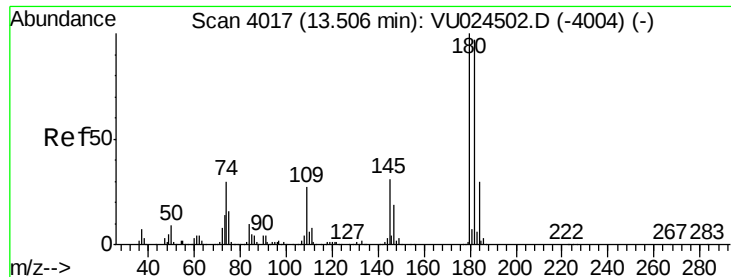


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

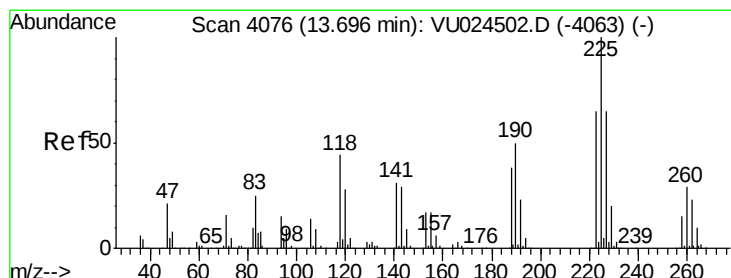
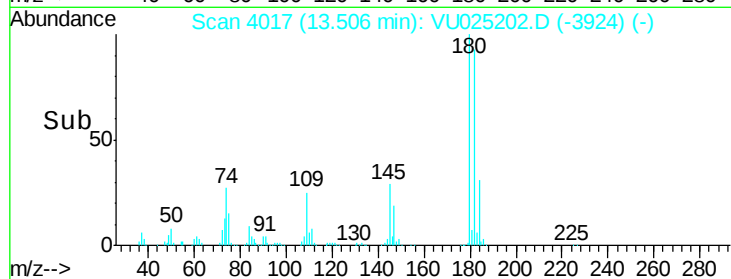
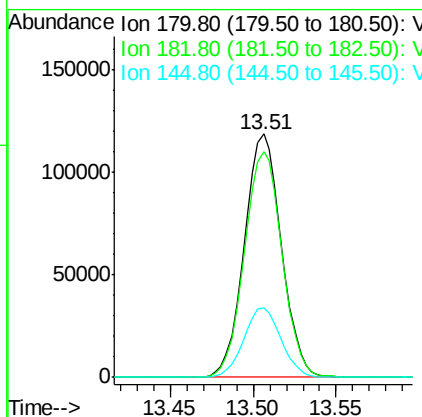
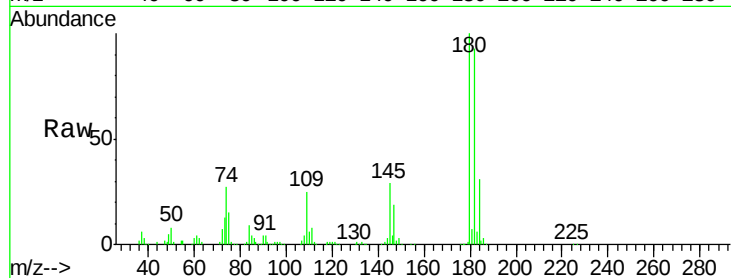




#93
 1,2,4-Trichlorobenzene
 Concen: 57.764 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025202.D
 Acq: 03 Jul 2018 20:28

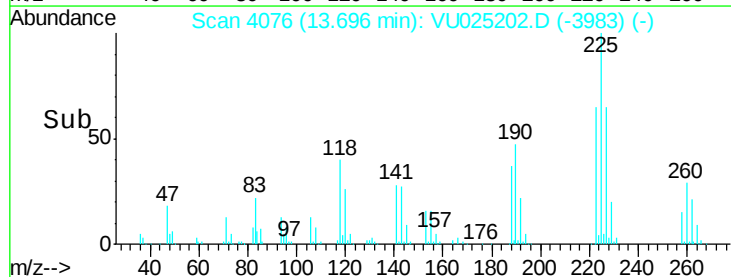
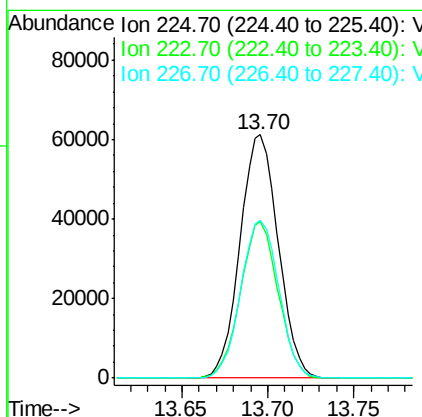
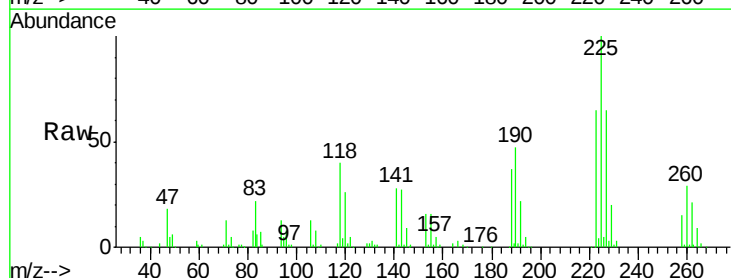
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

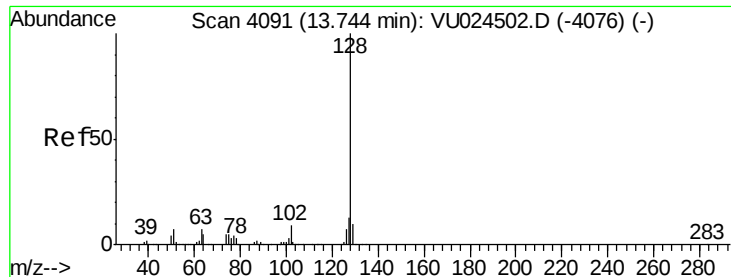
Tot Ion:180 Resp: 183989
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.0 144.2
 145 28.8 14.7 44.1



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

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





#95

Naphthalene

Concen: 59.044 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

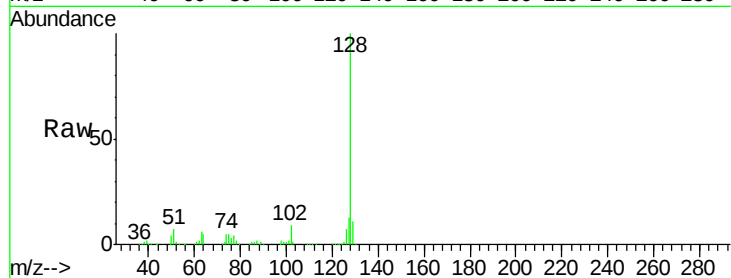
Tot Ion:128 Resp: 623913

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

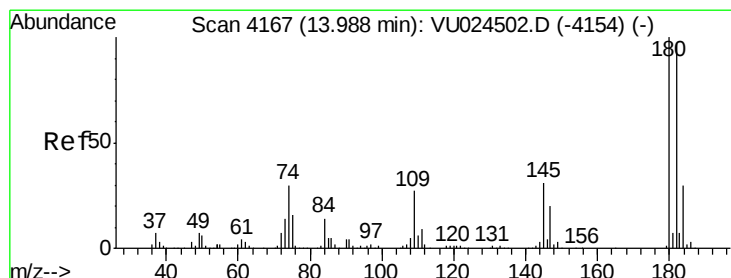
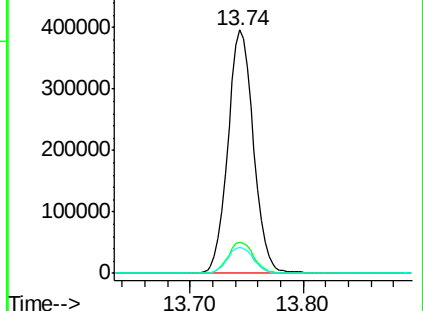
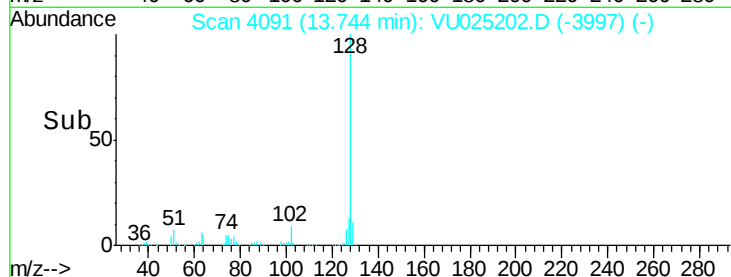
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 60.803 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025202.D

Acq: 03 Jul 2018 20:28

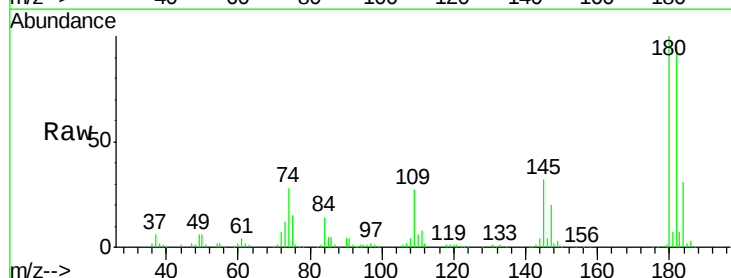
Tgt Ion:180 Resp: 192979

Ion Ratio Lower Upper

180 100

182 95.3 47.9 143.7

145 31.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

