

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025160.D
 Acq On : 02 Jul 2018 22:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 03 03:03:28 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	164661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	237604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144318	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	125277	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	4.89	113	104692	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	7.57	98	326557	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
62) 4-Bromofluorobenzene	10.31	95	144022	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	86192	41.820	ug/l	98
3) Chloromethane	1.33	50	96424	45.793	ug/l	98
4) Vinyl Chloride	1.40	62	100916	46.472	ug/l	97
5) Bromomethane	1.61	94	57145	54.437	ug/l	98
6) Chloroethane	1.69	64	68131	56.280	ug/l	100
7) Trichlorofluoromethane	1.88	101	165428	49.919	ug/l	100
8) Diethyl Ether	2.10	74	64302	57.291	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.28	101	99855	48.569	ug/l	97
10) Methyl Iodide	2.41	142	115695	64.749	ug/l	97
11) Tert butyl alcohol	2.83	59	193702	296.282	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91982	49.059	ug/l	96
13) Acrolein	2.19	56	23784	69.278	ug/l	96
14) Allyl chloride	2.59	41	160814	46.195	ug/l	100
15) Acrylonitrile	2.93	53	359417	282.561	ug/l	100
16) Acetone	2.32	43	349593	242.046	ug/l	98
17) Carbon Disulfide	2.48	76	256566	42.736	ug/l	99
18) Methyl Acetate	2.62	43	225938	72.969	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	381090	54.073	ug/l	96
20) Methylene Chloride	2.70	84	114435	50.495	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	103591	50.165	ug/l	96
22) Diisopropyl ether	3.57	45	364379	52.801	ug/l	97
23) Vinyl Acetate	3.53	43	1560890	252.496	ug/l	99
24) 1,1-Dichloroethane	3.45	63	209418	52.751	ug/l	100
25) 2-Butanone	4.26	43	537715	277.164	ug/l	96
26) 2,2-Dichloropropane	4.23	77	144892	38.437	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	124879	52.601	ug/l	97
28) Bromochloromethane	4.55	49	82477	47.167	ug/l	84
29) Tetrahydrofuran	4.63	42	340028	283.023	ug/l	97
30) Chloroform	4.68	83	220441	54.860	ug/l	99
31) Cyclohexane	5.00	56	180830	51.346	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	200757	54.029	ug/l	96
36) 1,1-Dichloropropene	5.14	75	152768	52.273	ug/l	97
37) Ethyl Acetate	4.38	43	188351	59.131	ug/l	97
38) Carbon Tetrachloride	5.14	117	178229	55.458	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	184717	50.648	ug/l	95
40) Benzene	5.39	78	454909	54.627	ug/l	98
41) Methacrylonitrile	4.54	41	106532	62.031	ug/l	99
42) 1,2-Dichloroethane	5.41	62	189395	59.715	ug/l	100
43) Isopropyl Acetate	5.55	43	306957	55.750	ug/l	99
44) Trichloroethene	6.19	130	124625	52.584	ug/l	99
45) 1,2-Dichloropropane	6.44	63	123089	55.396	ug/l	96
46) Dibromomethane	6.56	93	89589	57.401	ug/l	95
47) Bromodichloromethane	6.76	83	172415	55.476	ug/l	97
48) Methyl methacrylate	6.62	41	159220	59.386	ug/l	97
49) 1,4-Dioxane	6.62	88	78713	1501.240	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1022747	295.665	ug/l	98
52) Toluene	7.64	92	294588	54.985	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	179745	51.500	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	190789	51.301	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	124056	56.963	ug/l	97
56) Ethyl methacrylate	8.02	69	198855	54.554	ug/l	99
57) 1,3-Dichloropropane	8.25	76	209844	57.119	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	358341	256.606	ug/l	95
59) 2-Hexanone	8.36	43	829178	293.612	ug/l	99
60) Dibromochloromethane	8.48	129	141000	51.919	ug/l	100
61) 1,2-Dibromoethane	8.59	107	136654	56.376	ug/l	98
64) Tetrachloroethene	8.23	164	119373	52.854	ug/l	97
65) Chlorobenzene	9.12	112	336344	55.412	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	128784	55.845	ug/l	97
67) Ethyl Benzene	9.25	91	588709	55.324	ug/l	100
68) m/p-Xylenes	9.38	106	456427	111.701	ug/l	98
69) o-Xylene	9.78	106	226506	56.012	ug/l	97
70) Styrene	9.80	104	365225	54.958	ug/l	99
71) Bromoform	9.96	173	113259	51.671	ug/l #	100
73) Isopropylbenzene	10.17	105	609565	55.014	ug/l	99
74) N-amyl acetate	10.01	43	275449	52.265	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	214706	57.826	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	248434	78.189	ug/l	83
77) Bromobenzene	10.45	156	157079	55.998	ug/l	95
78) n-propylbenzene	10.59	91	691262	52.961	ug/l	97
79) 2-Chlorotoluene	10.66	91	419439	54.493	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	531343	55.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.50	75	248434	180.962	ug/l #	100
82) 4-Chlorotoluene	10.78	91	484850	54.120	ug/l	99
83) tert-Butylbenzene	11.10	119	524773	56.806	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	537503	54.920	ug/l	100
85) sec-Butylbenzene	11.33	105	627063	54.228	ug/l	98
86) p-Isopropyltoluene	11.48	119	556748	53.759	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	283831	54.768	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	282200	54.102	ug/l	100
89) n-Butylbenzene	11.89	91	440911	47.953	ug/l	96
90) Hexachloroethane	12.15	117	98898	48.952	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	294692	56.772	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58962	57.551	ug/l	96

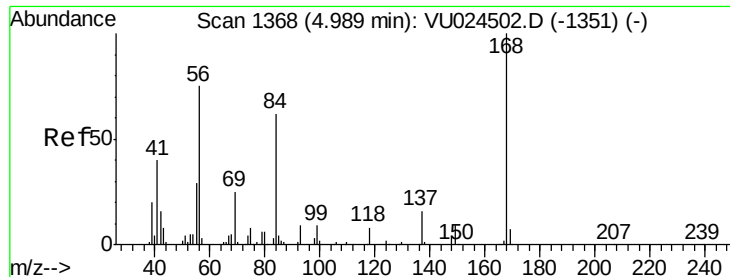
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184547	57.573	ug/l	98
94) Hexachlorobutadiene	13.70	225	96785	53.644	ug/l	99
95) Naphthalene	13.74	128	623820	58.667	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	194649	60.941	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

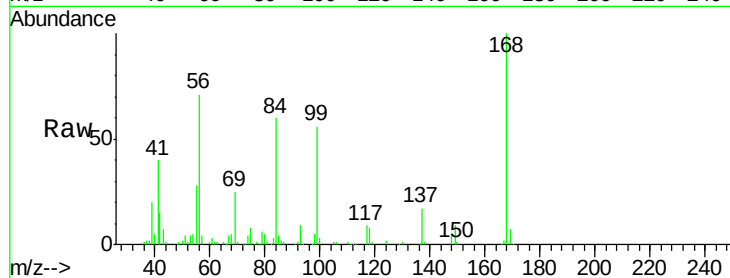
VSTDCCC050

Tot Ion:168 Resp: 164661

Ion Ratio Lower Upper

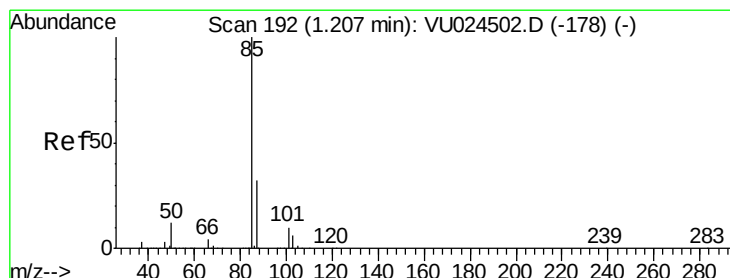
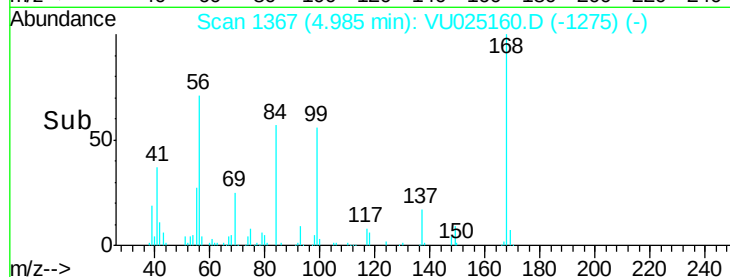
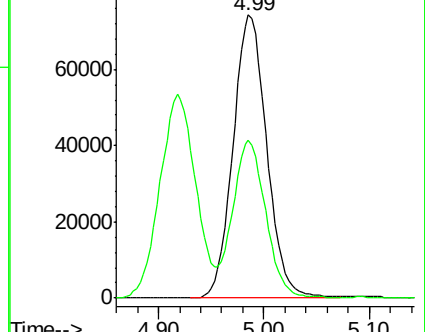
168 100

99 55.4 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 41.820 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025160.D

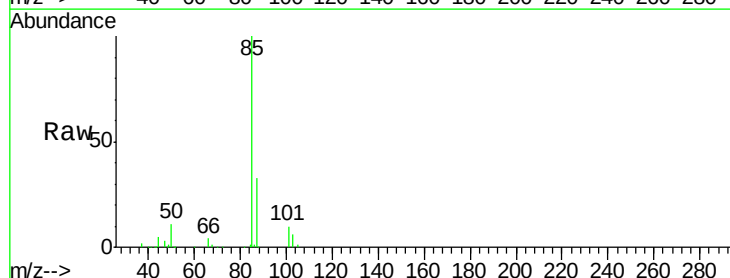
Acq: 02 Jul 2018 22:32

Tgt Ion: 85 Resp: 86192

Ion Ratio Lower Upper

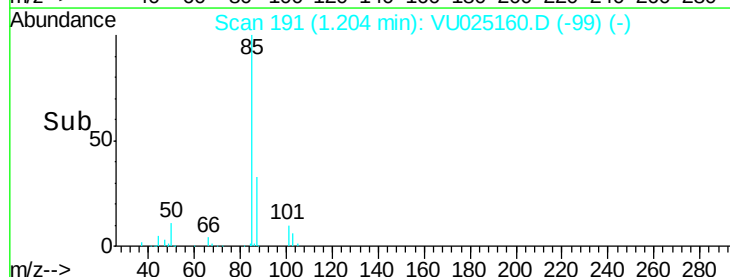
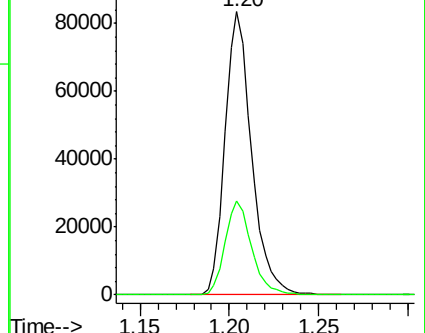
85 100

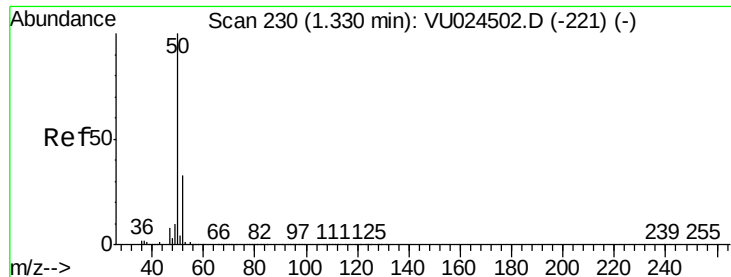
87 33.1 16.1 48.2



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

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 45.793 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

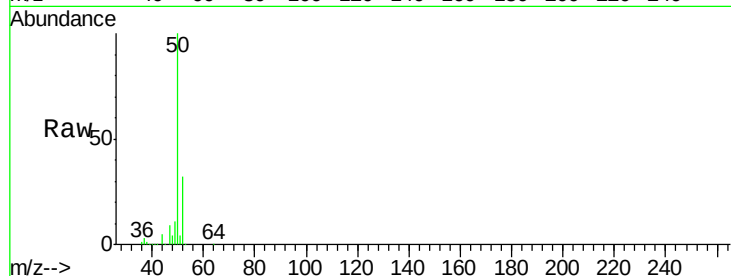
VSTDCCC050

Tot Ion: 50 Resp: 96424

Ion Ratio Lower Upper

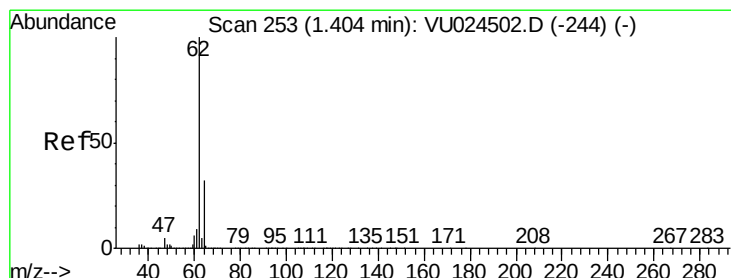
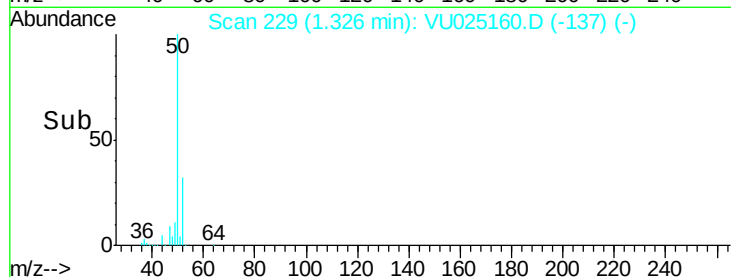
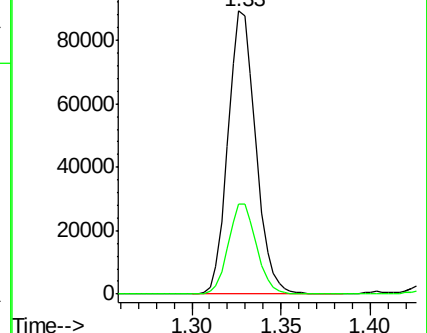
50 100

52 32.0 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)



#4

Vinyl Chloride

Concen: 46.472 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025160.D

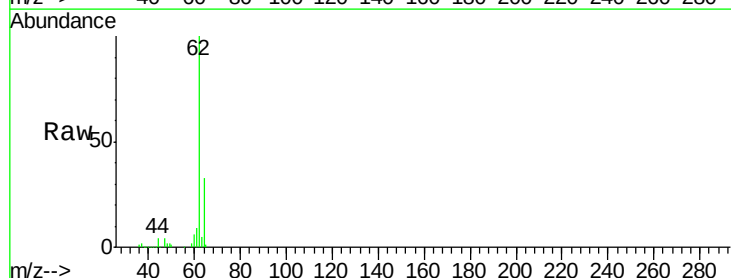
Acq: 02 Jul 2018 22:32

Tgt Ion: 62 Resp: 100916

Ion Ratio Lower Upper

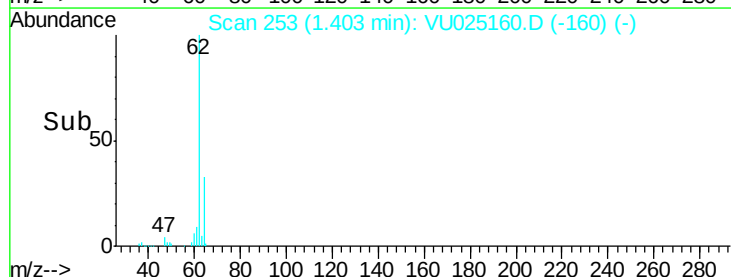
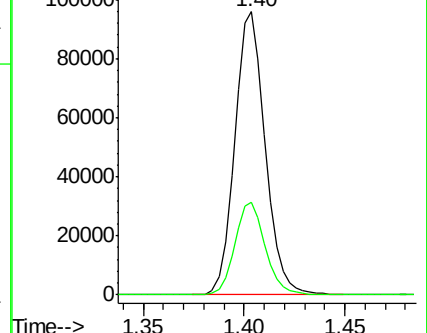
62 100

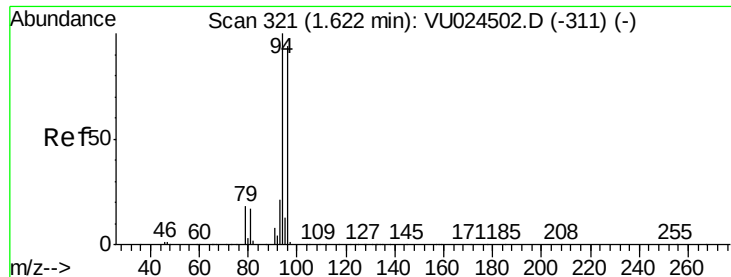
64 32.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)





#5

Bromomethane

Concen: 54.437 ug/l

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

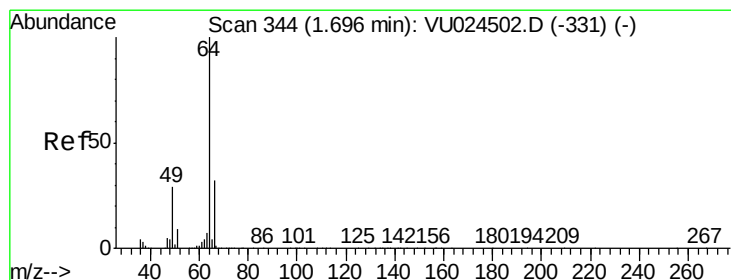
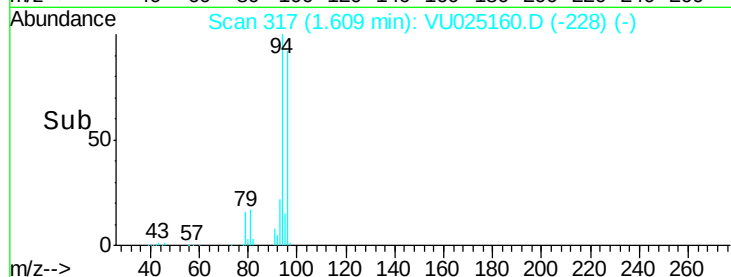
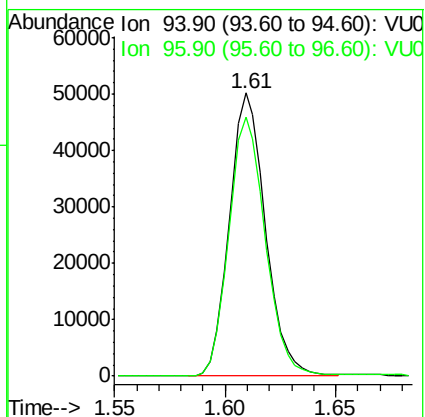
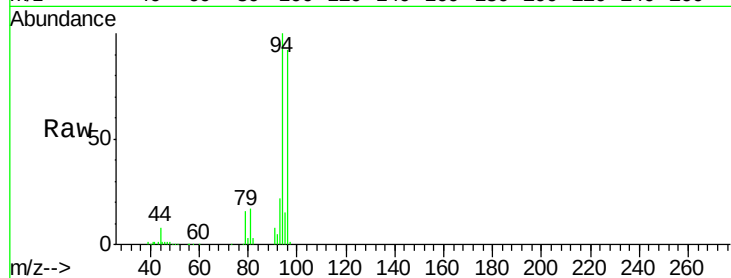
VSTDCCC050

Tot Ion: 94 Resp: 57145

Ion Ratio Lower Upper

94 100

96 91.6 74.5 111.7



#6

Chloroethane

Concen: 56.280 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025160.D

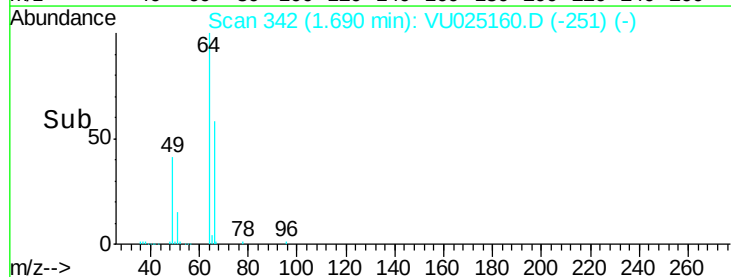
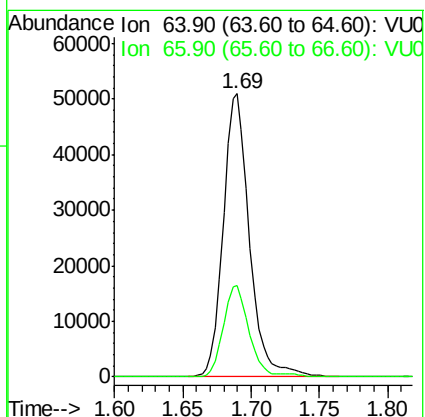
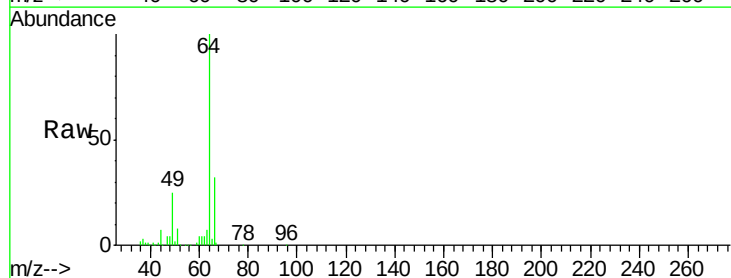
Acq: 02 Jul 2018 22:32

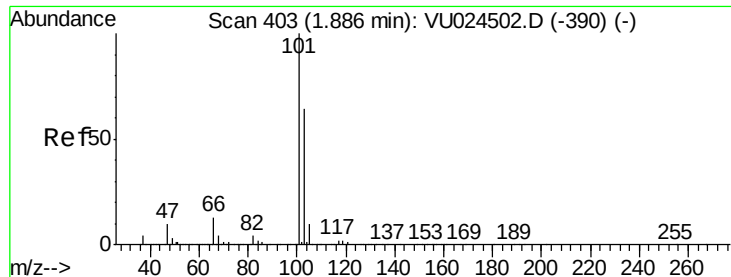
Tgt Ion: 64 Resp: 68131

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



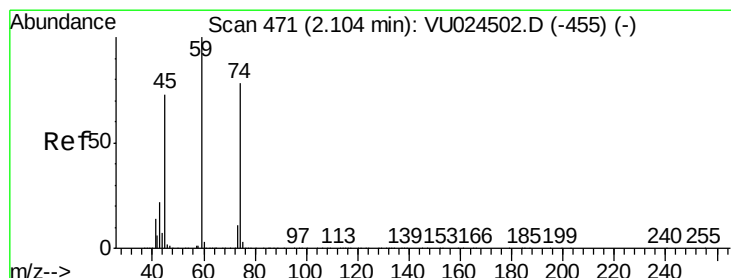
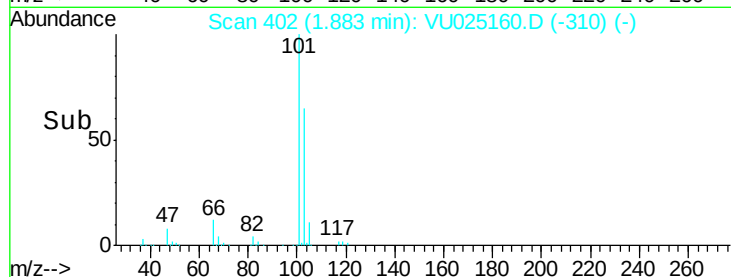
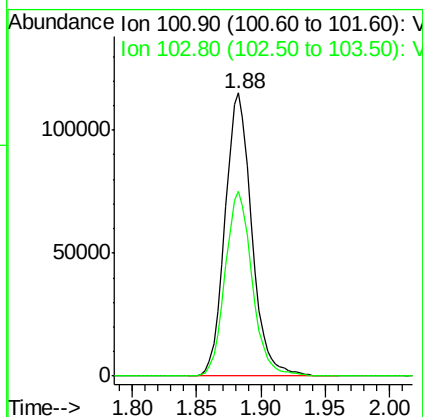
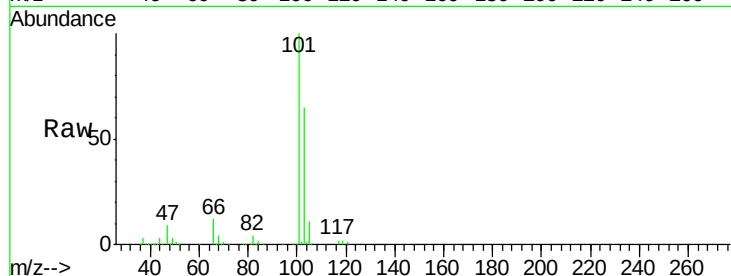


#7

Trichlorofluoromethane
 Concen: 49.919 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

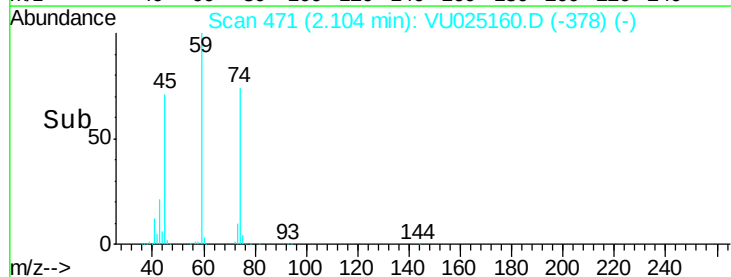
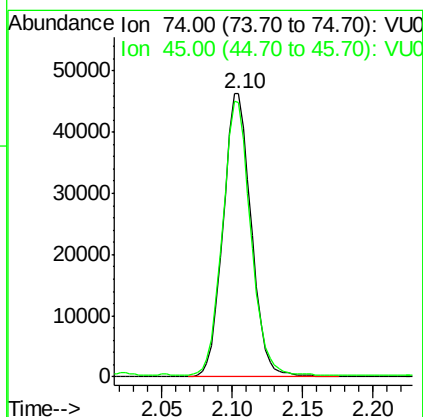
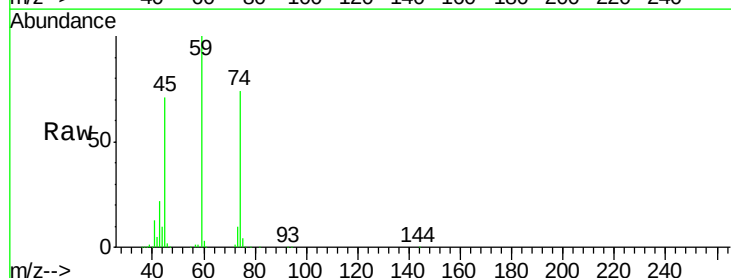
Tot Ion:101 Resp: 165428
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.3 78.5

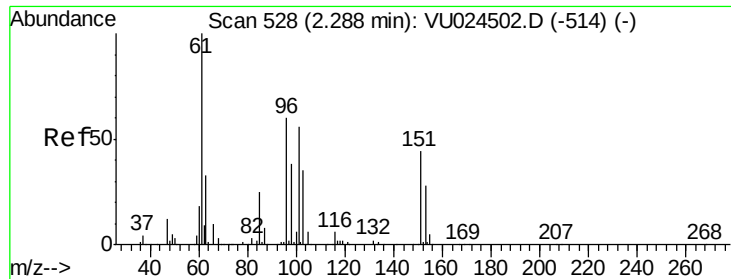


#8

Diethyl Ether
 Concen: 57.291 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 74 Resp: 64302
 Ion Ratio Lower Upper
 74 100
 45 97.9 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.569 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

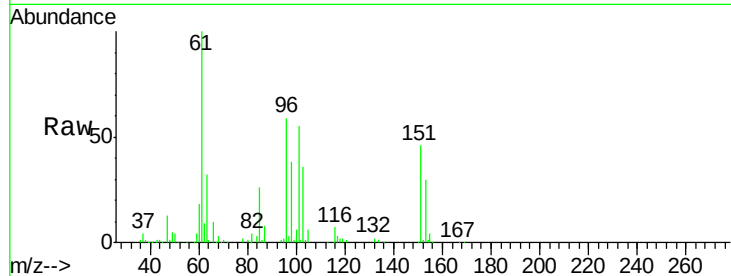
Tot Ion:101 Resp: 99855

Ion Ratio Lower Upper

101 100

85 44.3 36.0 54.0

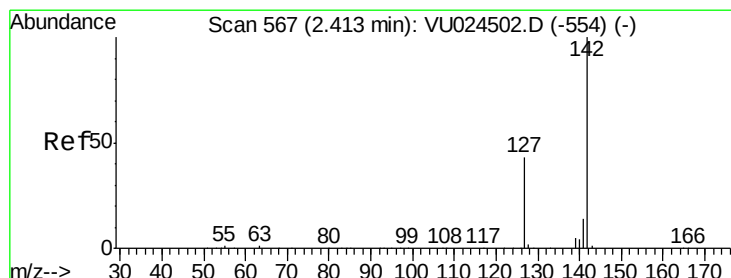
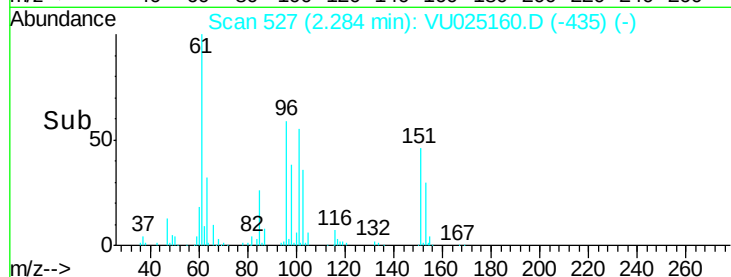
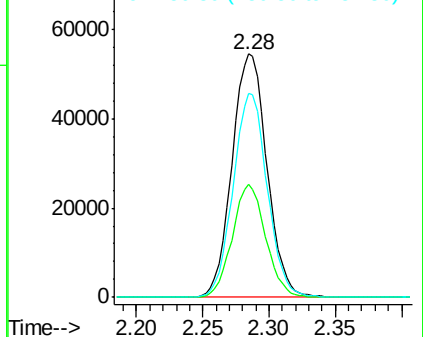
151 81.7 62.3 93.5



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: 64.749 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

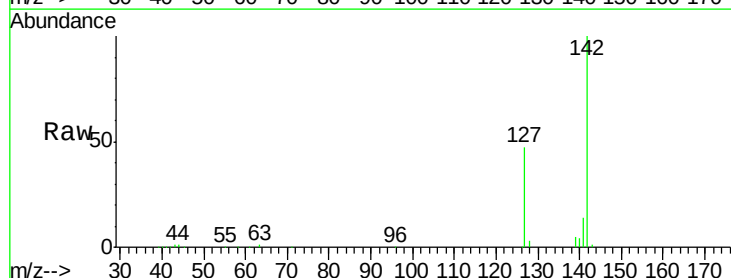
Tgt Ion:142 Resp: 115695

Ion Ratio Lower Upper

142 100

127 46.9 35.6 53.4

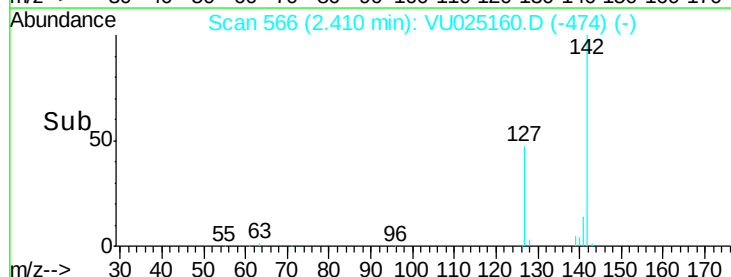
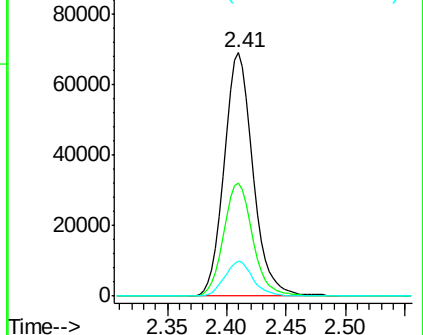
141 14.0 11.7 17.5

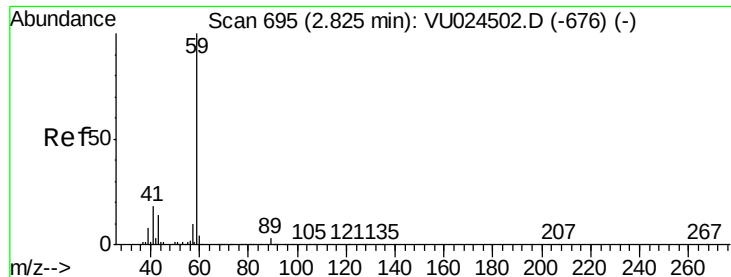


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



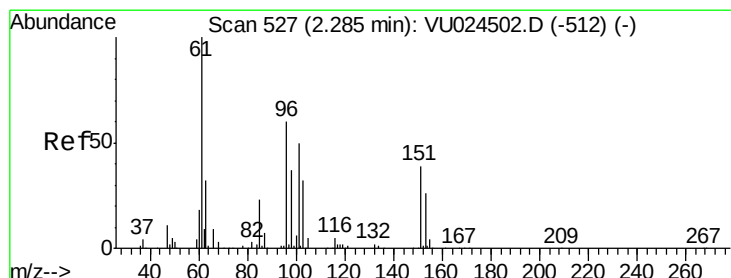
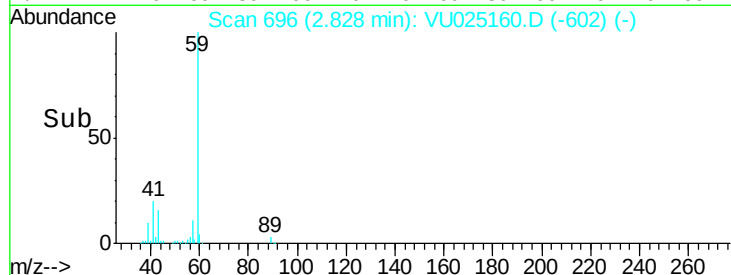
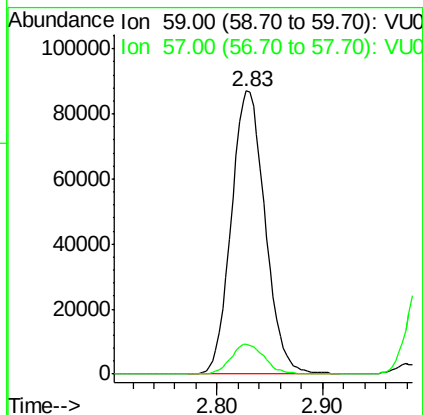
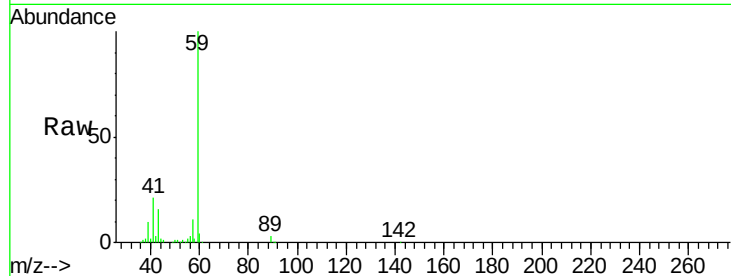


#11

Tert butyl alcohol
 Concen: 296.282 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

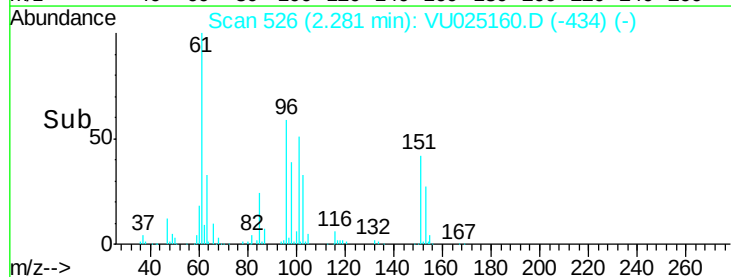
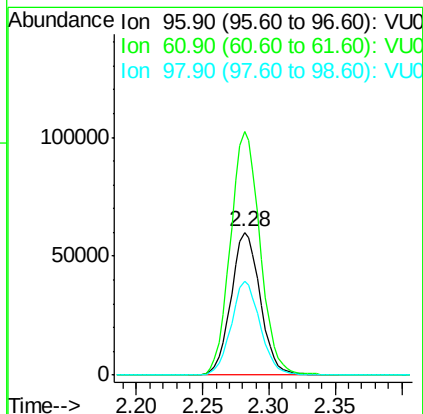
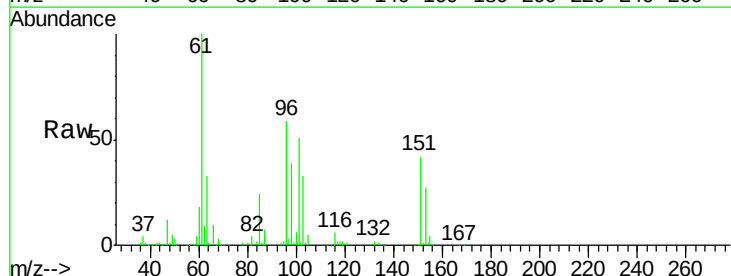
Tot Ion: 59 Resp: 193702
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

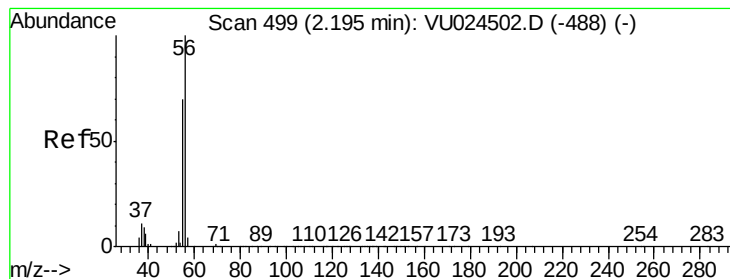


#12

1,1-Dichloroethene
 Concen: 49.059 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 96 Resp: 91982
 Ion Ratio Lower Upper
 96 100
 61 170.3 141.7 212.5
 98 65.9 51.6 77.4





#13

Acrolein

Concen: 69.278 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

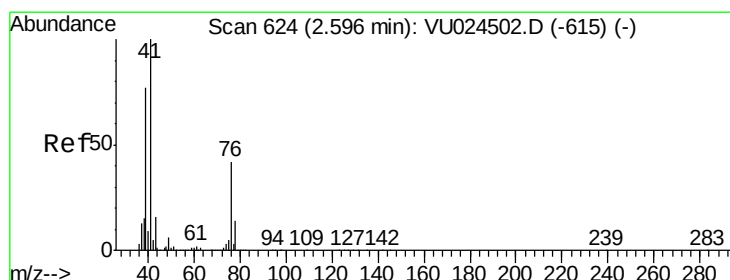
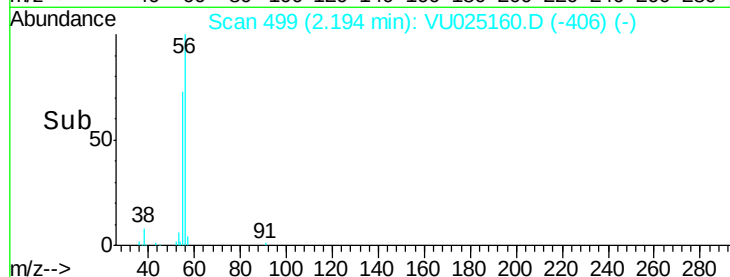
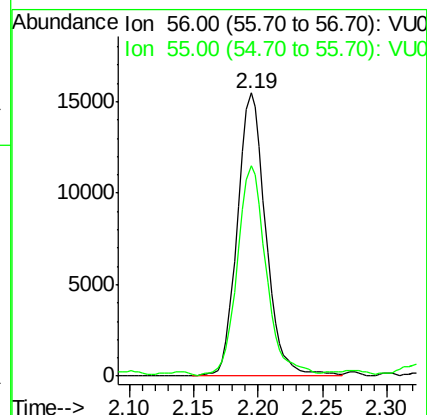
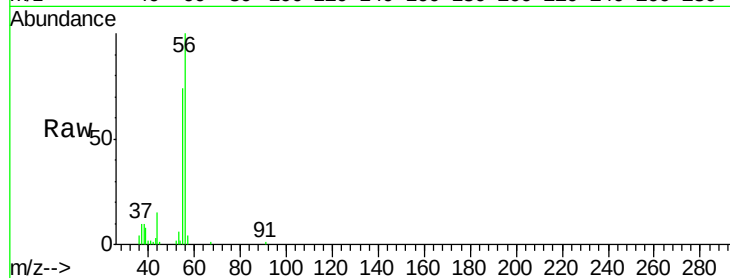
VSTDCCC050

Tot Ion: 56 Resp: 23784

Ion Ratio Lower Upper

56 100

55 76.2 58.4 87.6



#14

Allyl chloride

Concen: 46.195 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

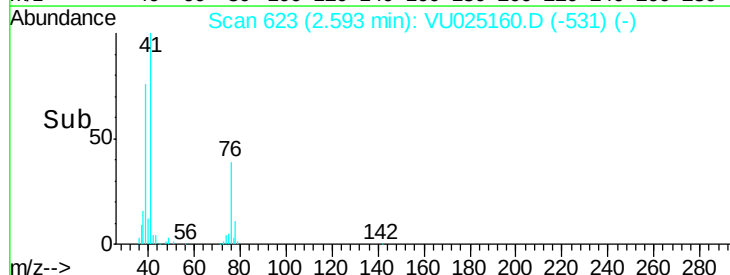
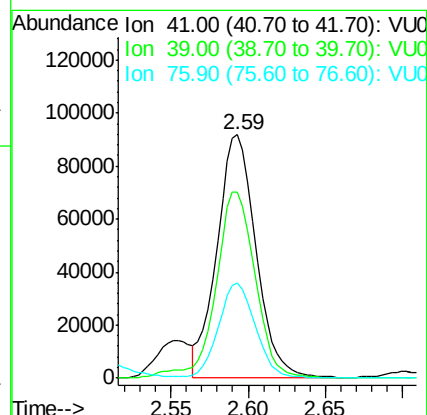
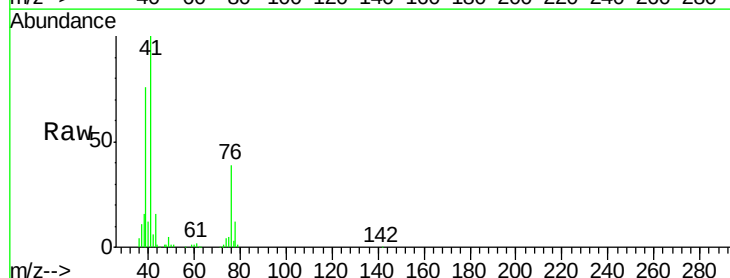
Tgt Ion: 41 Resp: 160814

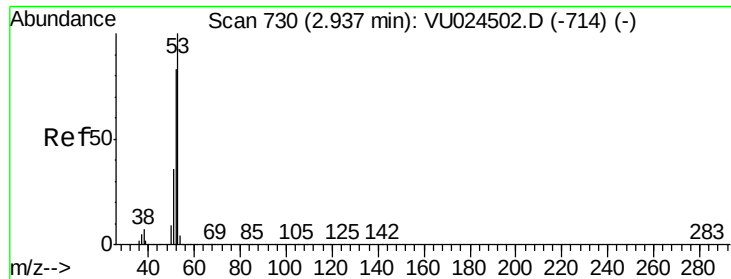
Ion Ratio Lower Upper

41 100

39 76.9 61.6 92.4

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 282.561 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

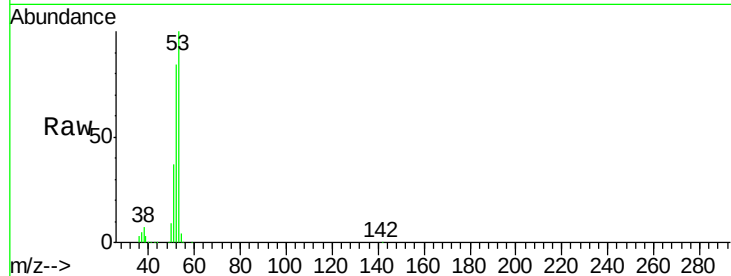
MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 359417

Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.1	100.7
51	36.3	28.4	42.6

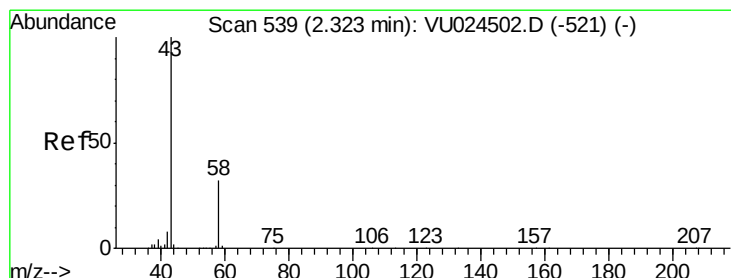
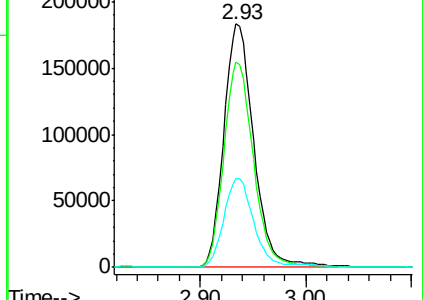
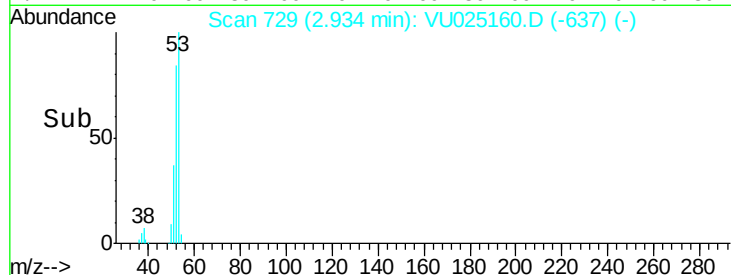


Abundance

Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 242.046 ug/l

RT: 2.32 min Scan# 538

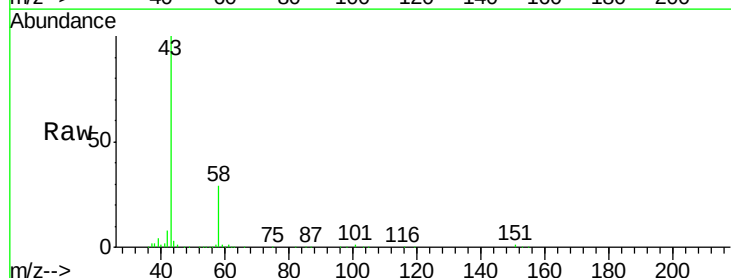
Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion: 43 Resp: 349593

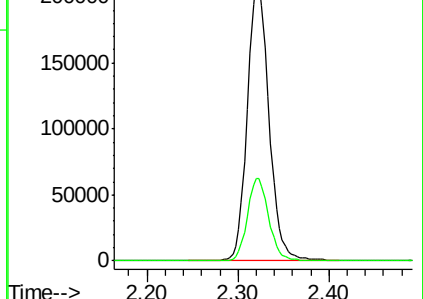
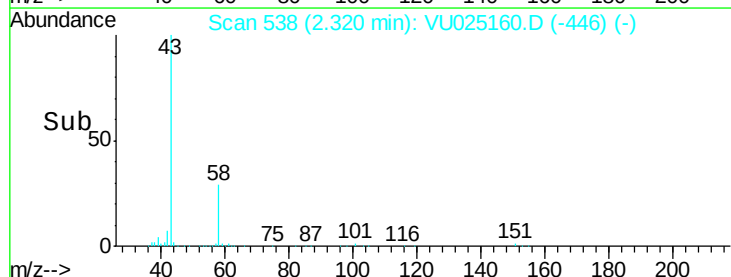
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.4	36.6

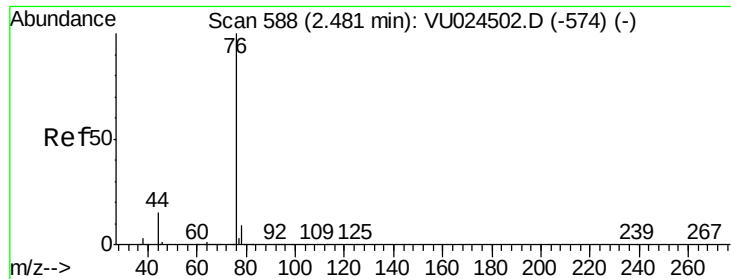


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

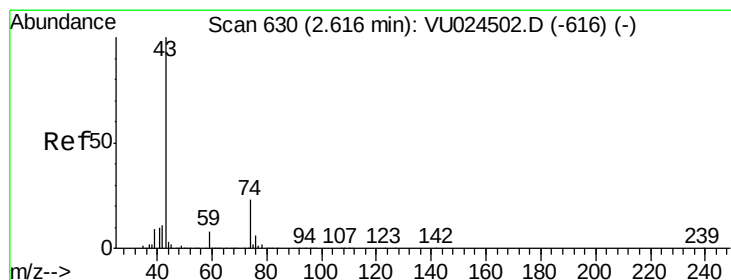
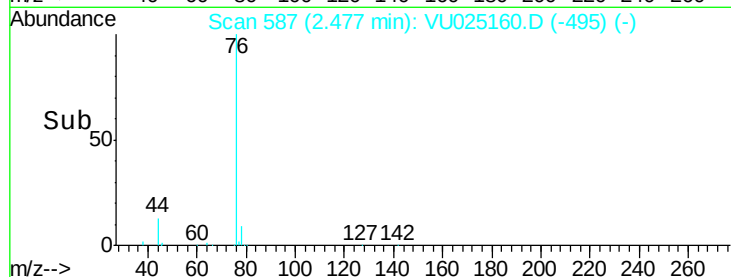
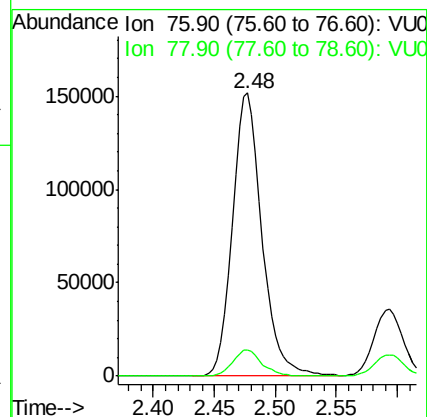
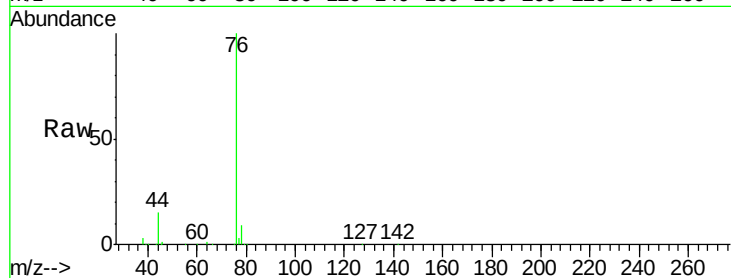




#17
Carbon Disulfide
Concen: 42.736 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

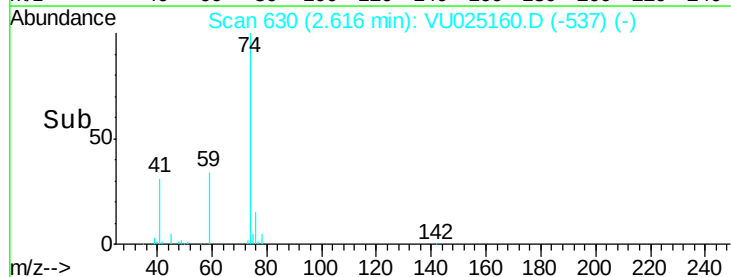
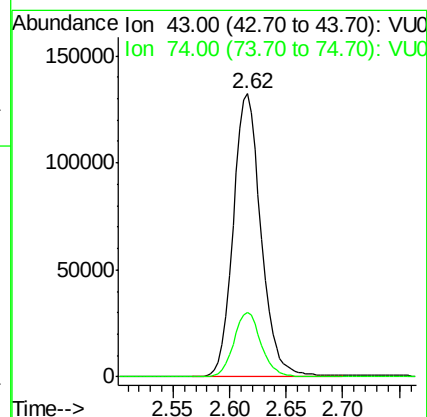
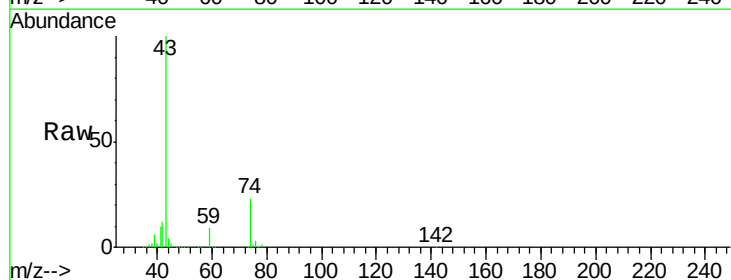
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

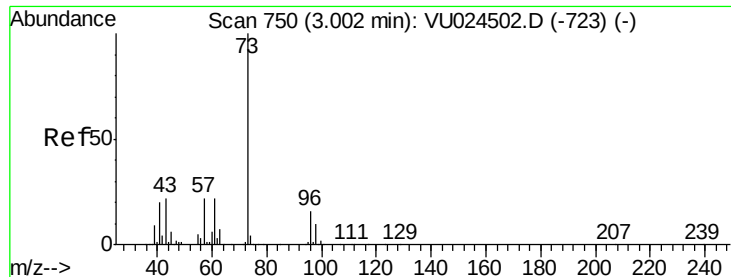
Tot Ion: 76 Resp: 256566
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 72.969 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 43 Resp: 225938
Ion Ratio Lower Upper
43 100
74 22.6 18.0 27.0



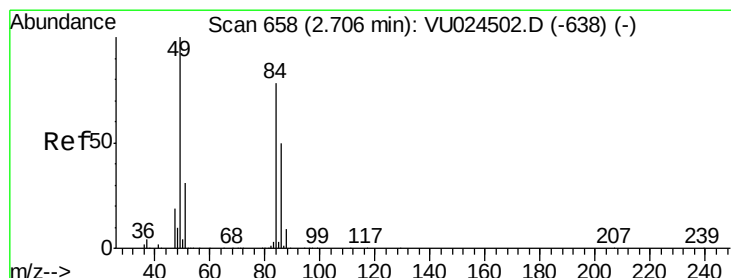
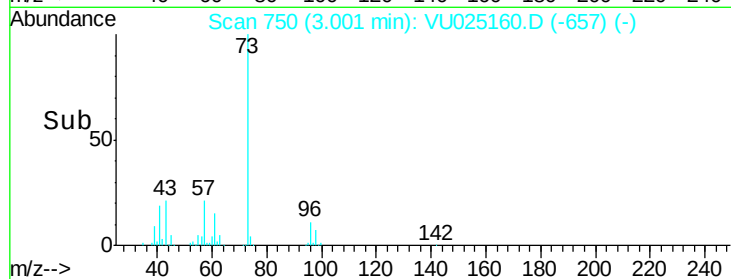
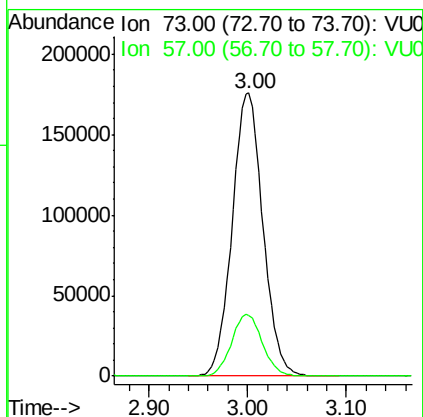
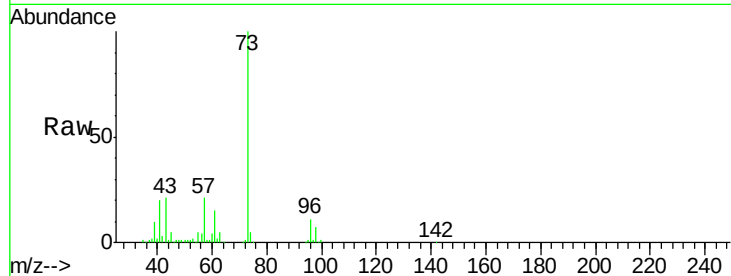


#19

Methyl tert-butyl Ether
 Concen: 54.073 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

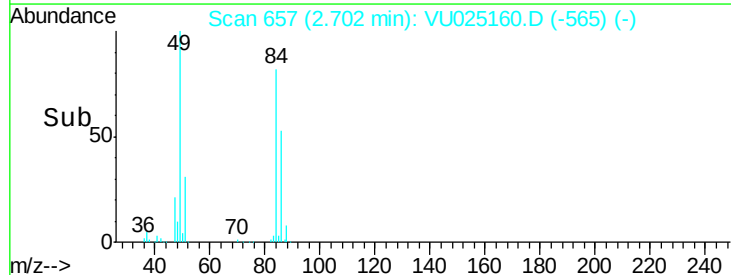
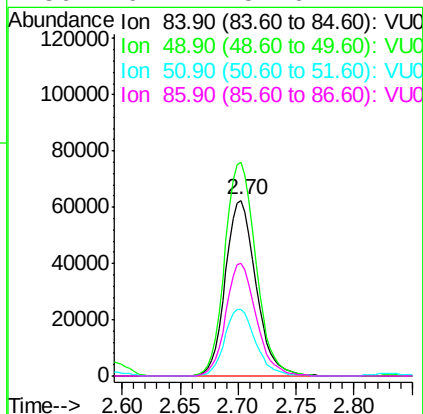
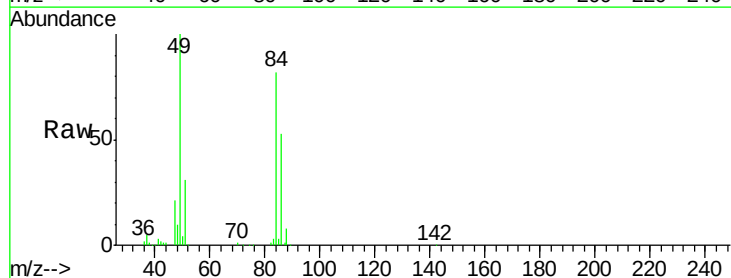
Tot Ion: 73 Resp: 381090
 Ion Ratio Lower Upper
 73 100
 57 21.5 18.8 28.2

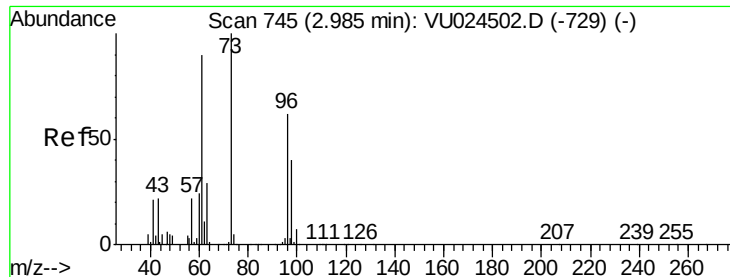


#20

Methylene Chloride
 Concen: 50.495 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 84 Resp: 114435
 Ion Ratio Lower Upper
 84 100
 49 121.4 103.8 155.8
 51 38.1 32.0 48.0
 86 64.4 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.165 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

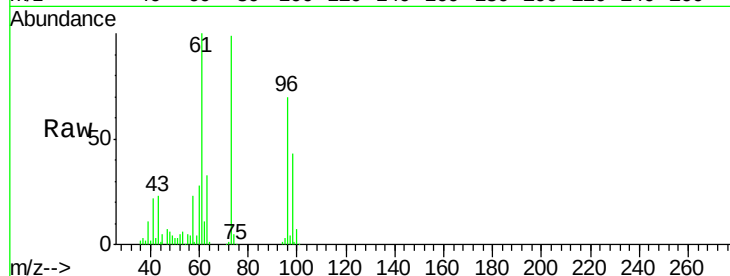
Tot Ion: 96 Resp: 103591

Ion Ratio Lower Upper

96 100

61 143.4 119.4 179.0

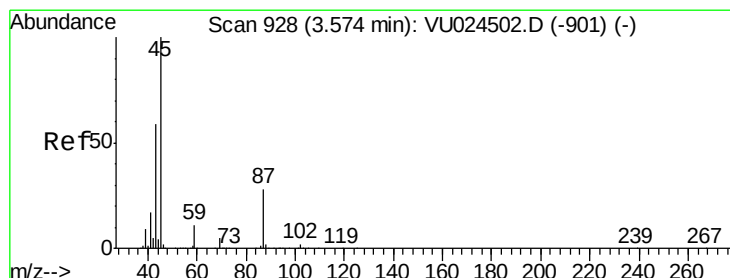
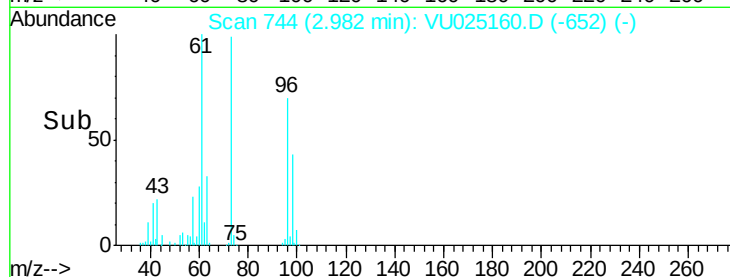
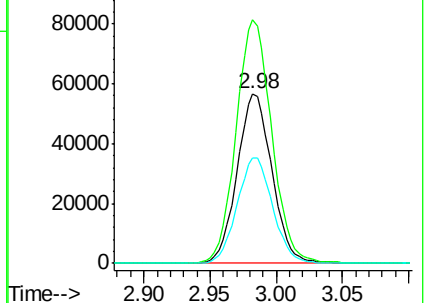
98 62.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU025160.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025160.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025160.D (-652) (-)



#22

Diisopropyl ether

Concen: 52.801 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion: 45 Resp: 364379

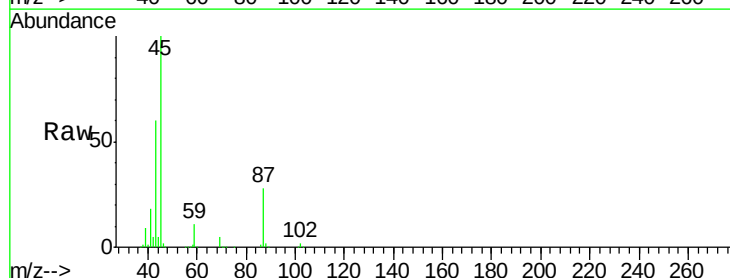
Ion Ratio Lower Upper

45 100

43 58.7 45.8 68.6

87 28.1 20.6 31.0

59 11.4 9.4 14.0

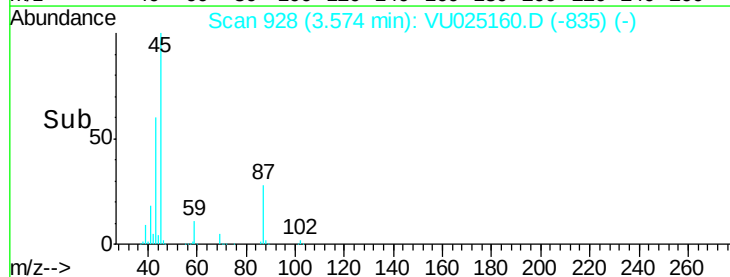
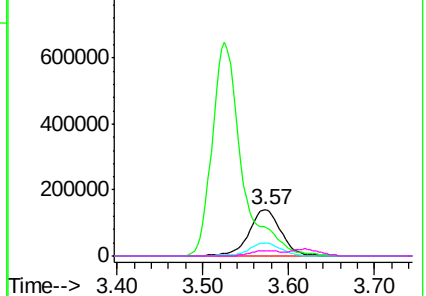


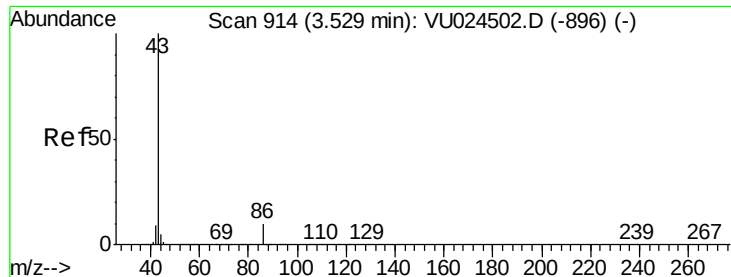
Abundance Ion 45.00 (44.70 to 45.70): VU025160.D (-835) (-)

Ion 43.00 (42.70 to 43.70): VU025160.D (-835) (-)

Ion 87.00 (86.70 to 87.70): VU025160.D (-835) (-)

Ion 59.00 (58.70 to 59.70): VU025160.D (-835) (-)





#23

Vinyl Acetate

Concen: 252.496 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

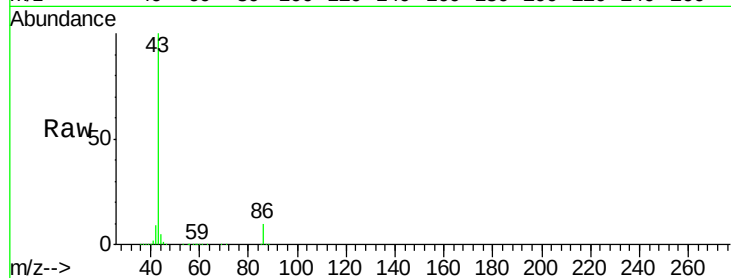
VSTDCCC050

Tot Ion: 43 Resp: 1560890

Ion Ratio Lower Upper

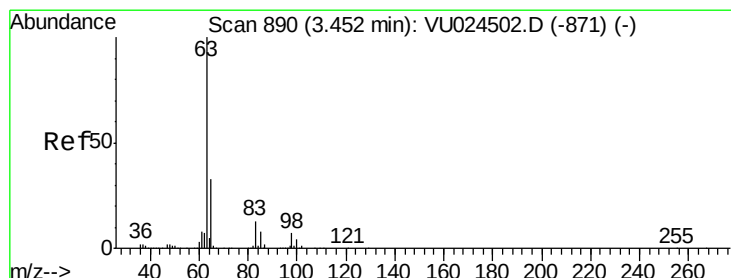
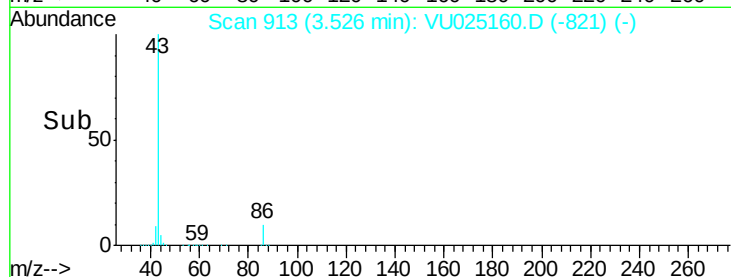
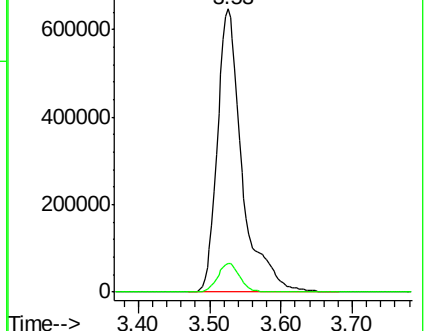
43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU025160.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU025160.D (-821) (-)



#24

1,1-Dichloroethane

Concen: 52.751 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

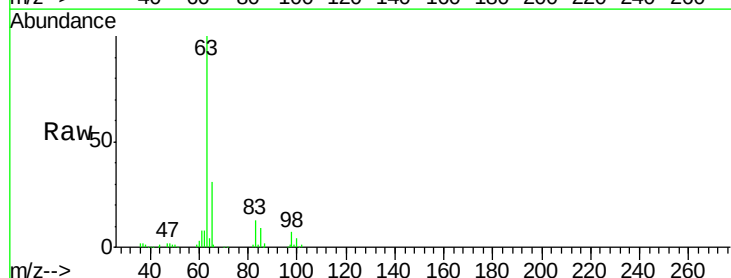
Tgt Ion: 63 Resp: 209418

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

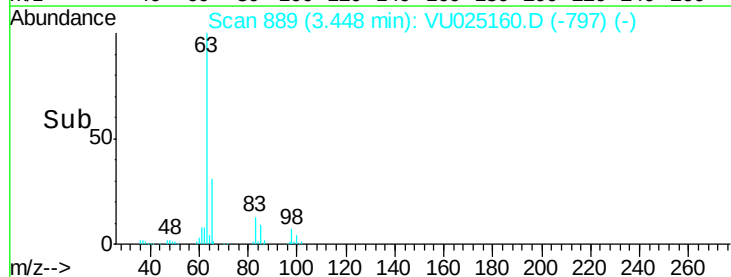
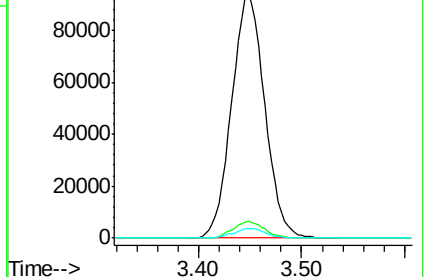
100 3.9 1.8 5.5

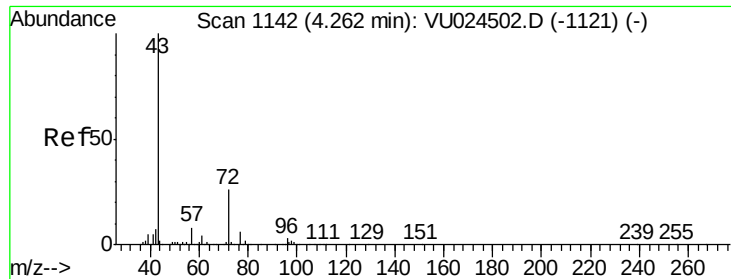


Abundance Ion 62.90 (62.60 to 63.60): VU025160.D (-797) (-)

Ion 97.90 (97.60 to 98.60): VU025160.D (-797) (-)

Ion 99.90 (99.60 to 100.60): VU025160.D (-797) (-)

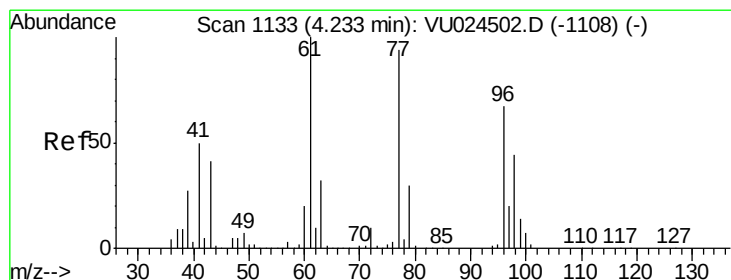
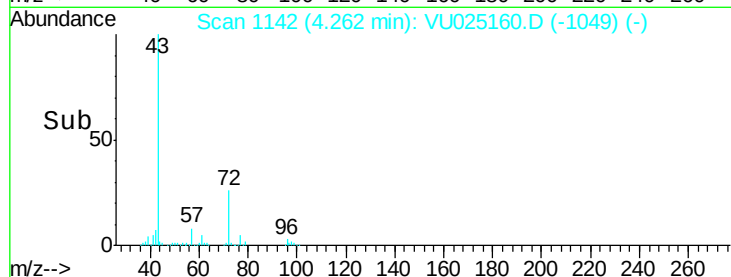
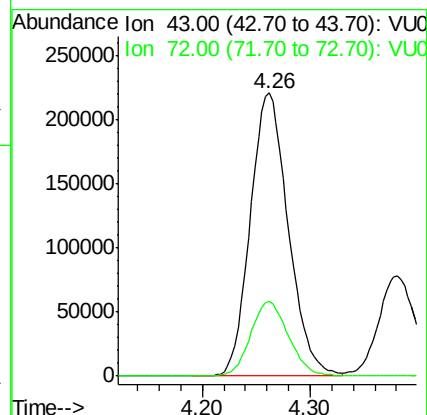
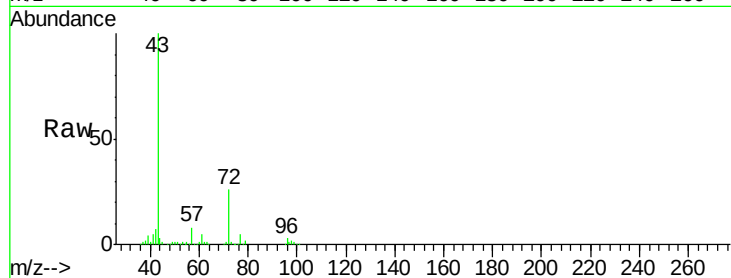




#25
2-Butanone
Concen: 277.164 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

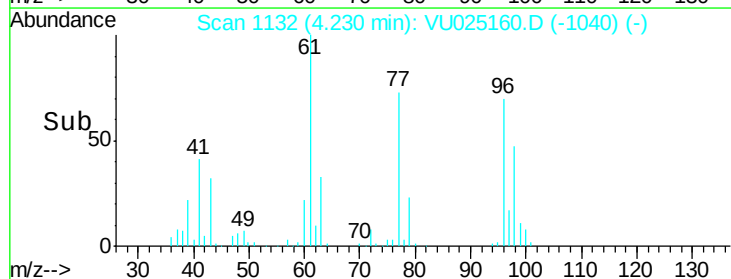
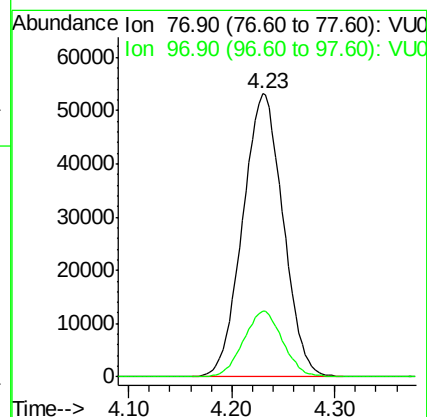
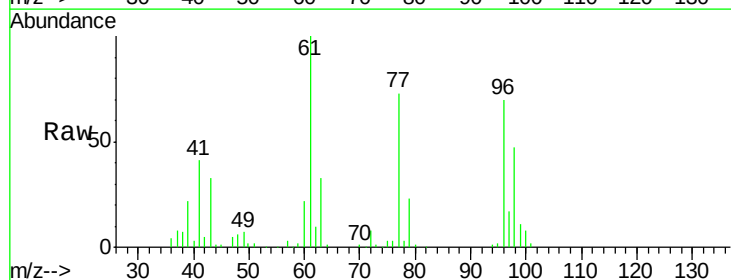
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

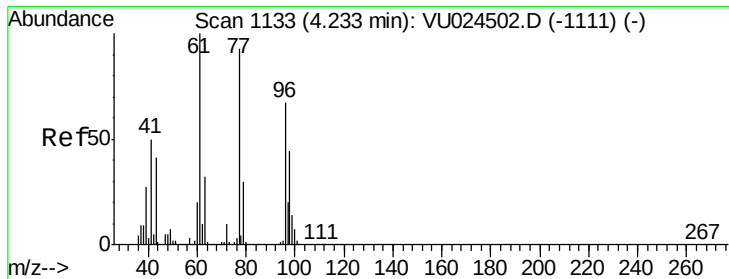
Tot Ion: 43 Resp: 537715
Ion Ratio Lower Upper
43 100
72 26.3 19.6 29.4



#26
2,2-Dichloropropane
Concen: 38.437 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 77 Resp: 144892
Ion Ratio Lower Upper
77 100
97 22.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 52.601 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

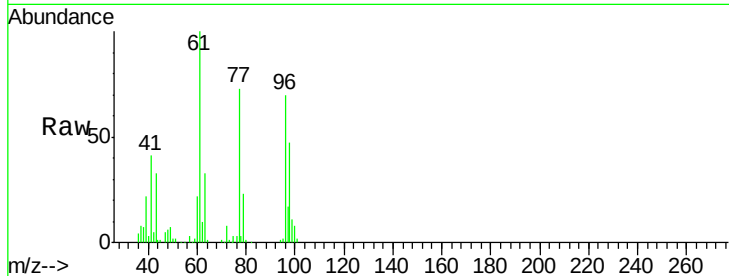
Tot Ion: 96 Resp: 124879

Ion Ratio Lower Upper

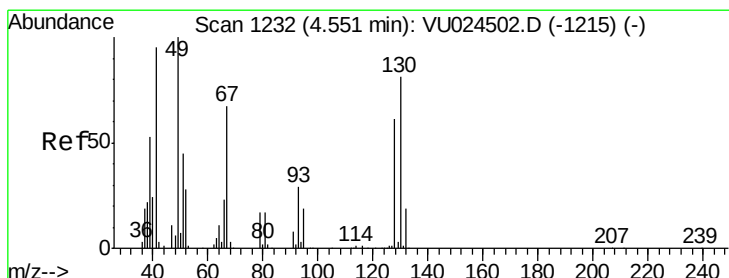
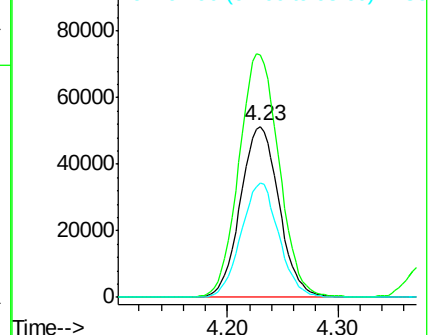
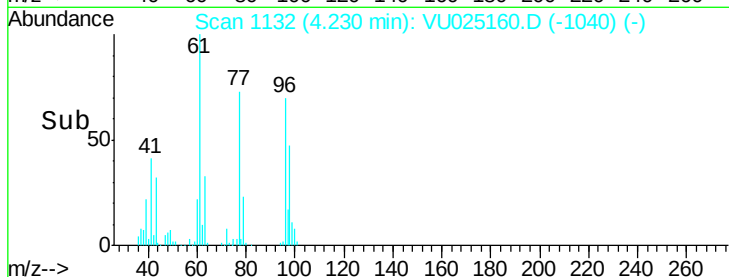
96 100

61 147.7 0.0 306.6

98 65.4 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU025160.D (-1040) (-)



#28

Bromochloromethane

Concen: 47.167 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

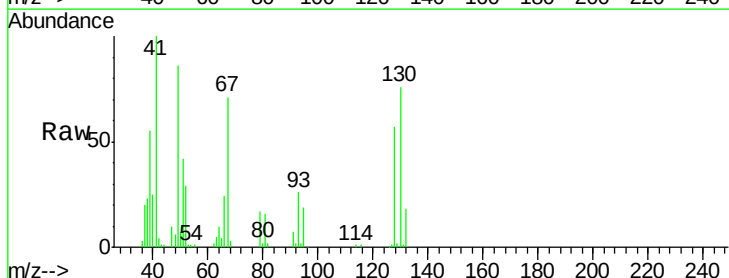
Tgt Ion: 49 Resp: 82477

Ion Ratio Lower Upper

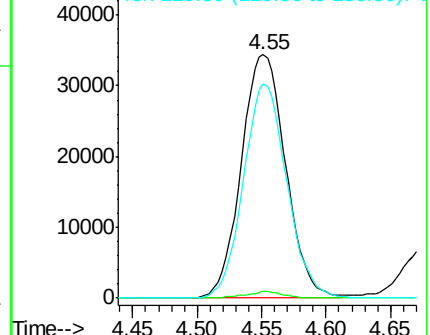
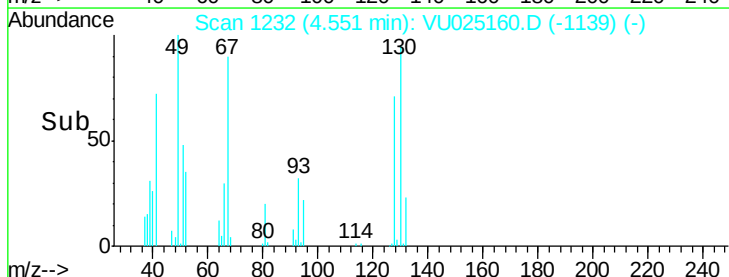
49 100

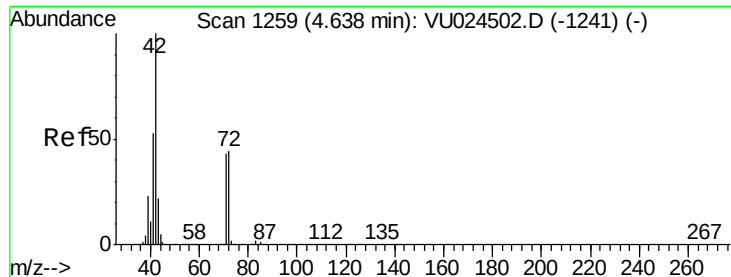
129 2.2 0.0 3.8

130 86.1 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VU025160.D (-1139) (-)





#29

Tetrahydrofuran

Concen: 283.023 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

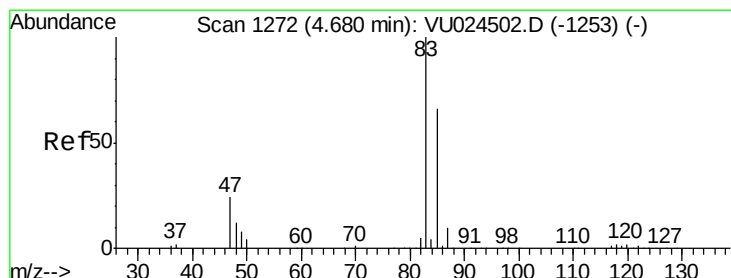
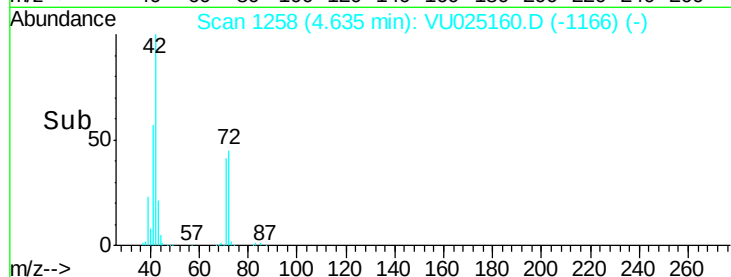
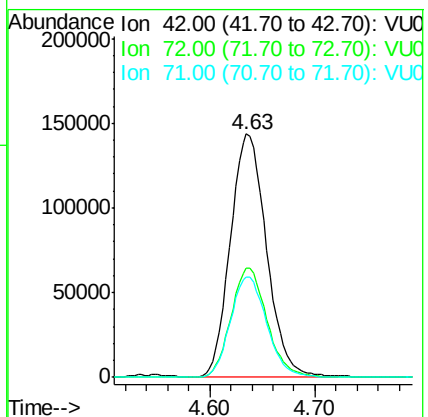
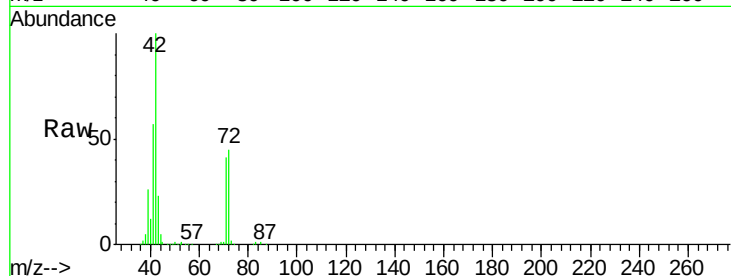
Tot Ion: 42 Resp: 340028

Ion Ratio Lower Upper

42 100

72 45.2 34.5 51.7

71 41.8 32.2 48.4



#30

Chloroform

Concen: 54.860 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU025160.D

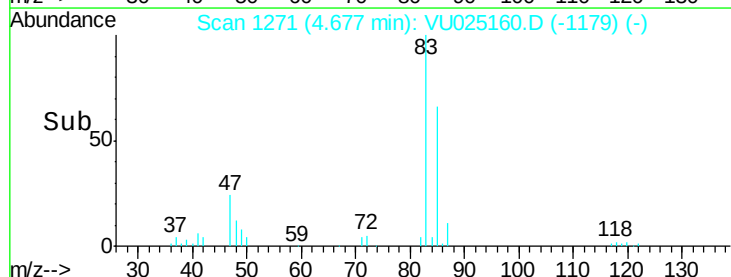
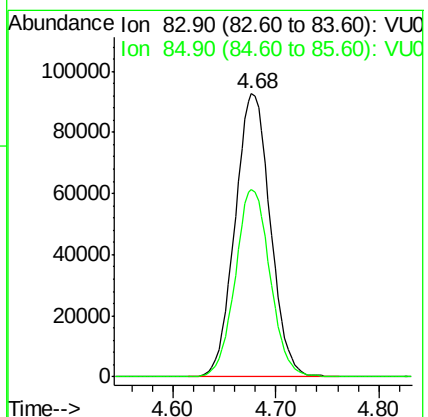
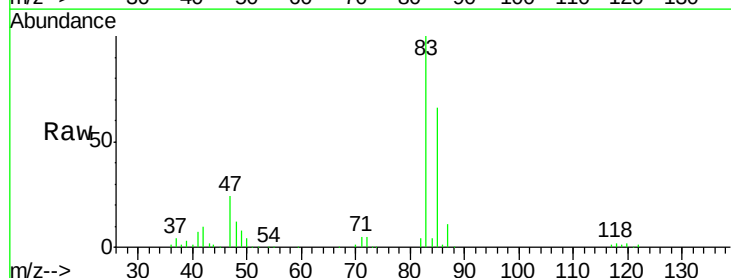
Acq: 02 Jul 2018 22:32

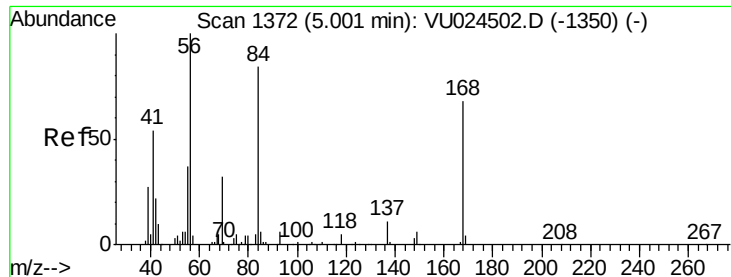
Tgt Ion: 83 Resp: 220441

Ion Ratio Lower Upper

83 100

85 66.3 52.4 78.6

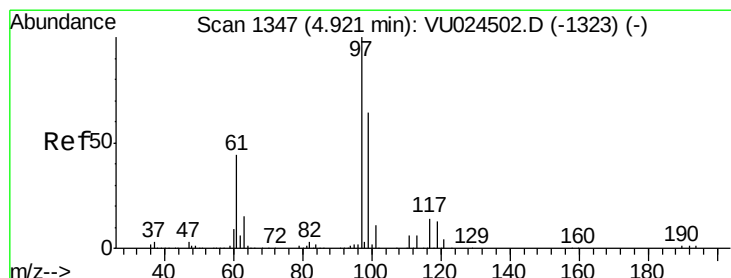
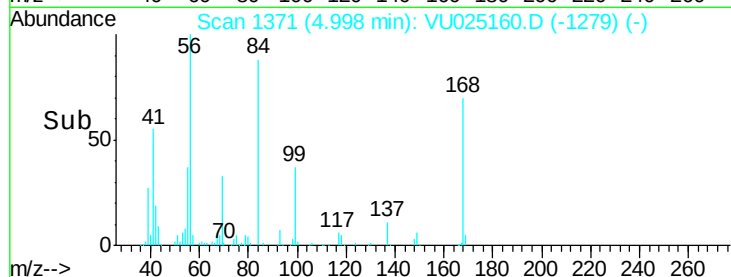
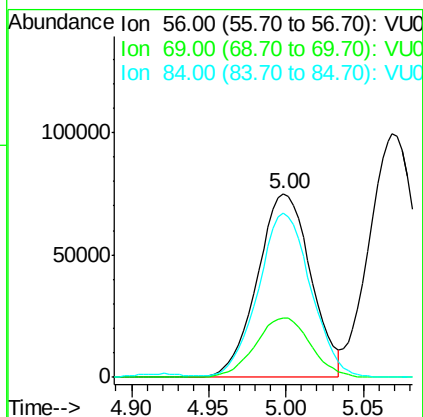
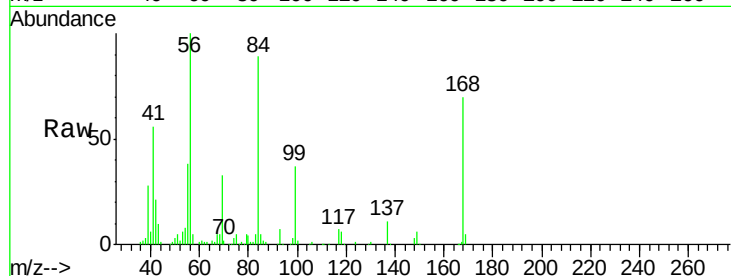




#31
Cyclohexane
Concen: 51.346 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

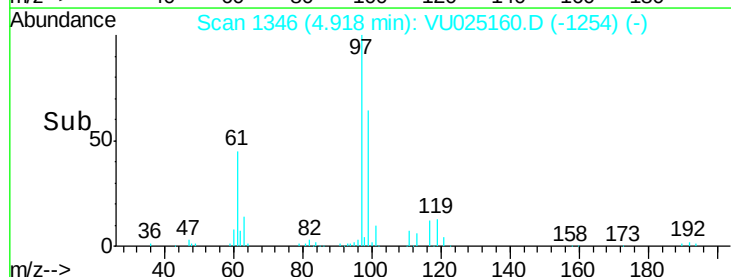
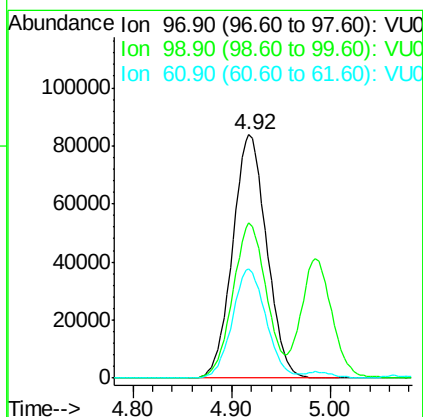
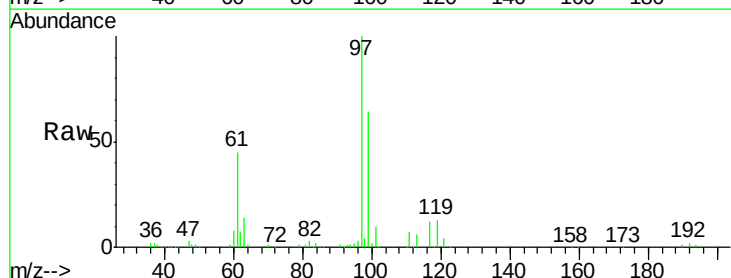
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

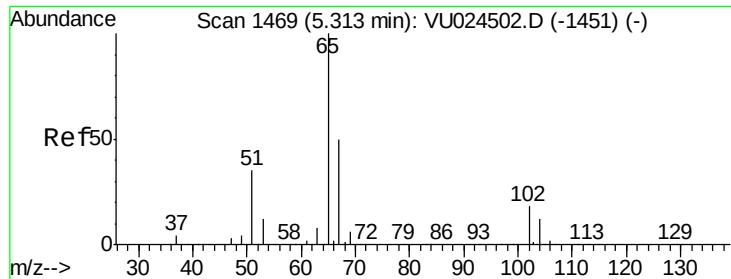
Tot Ion: 56 Resp: 180830
Ion Ratio Lower Upper
56 100
69 32.6 24.8 37.2
84 88.4 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 54.029 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 97 Resp: 200757
Ion Ratio Lower Upper
97 100
99 62.8 51.0 76.6
61 44.4 39.4 59.0

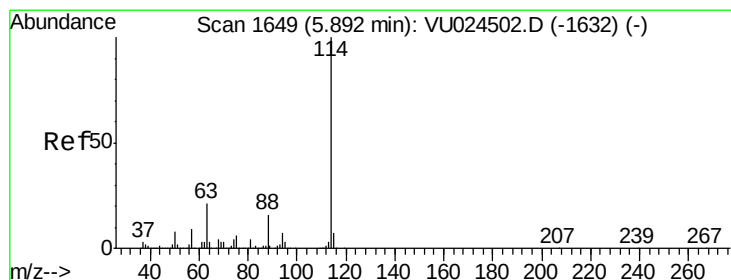
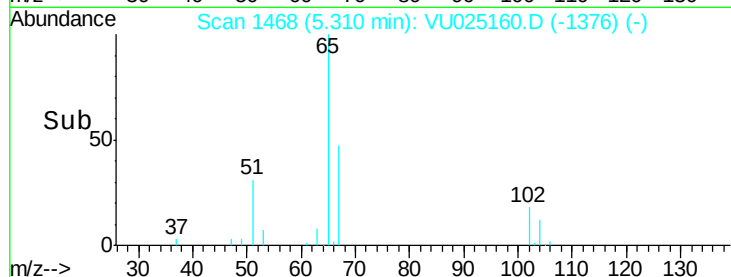
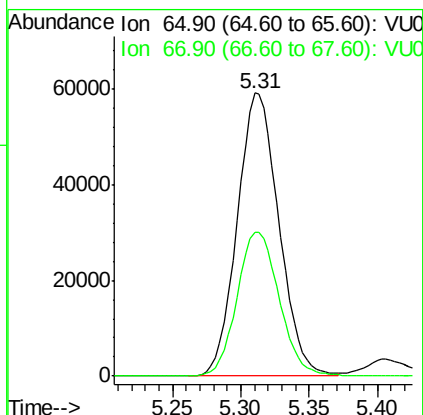
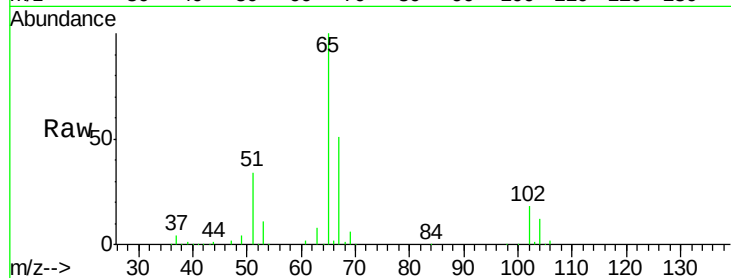




#33
 1,2-Dichloroethane-d4
 Concen: 46.604 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

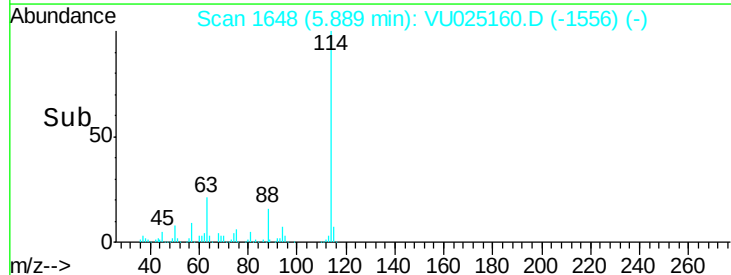
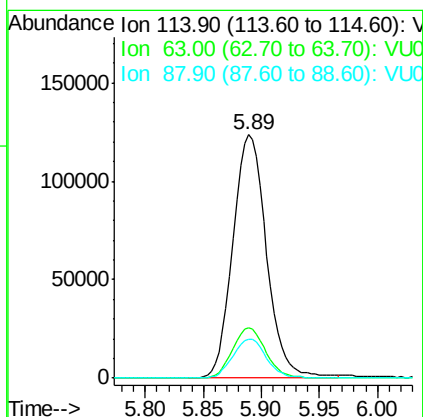
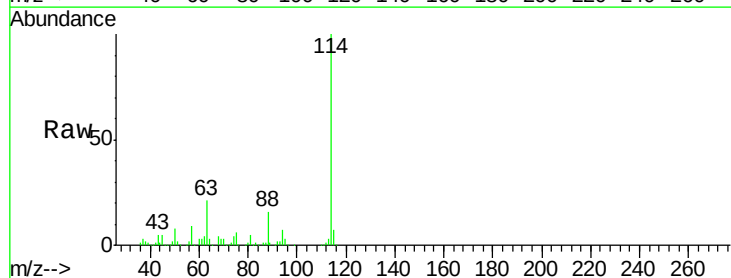
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

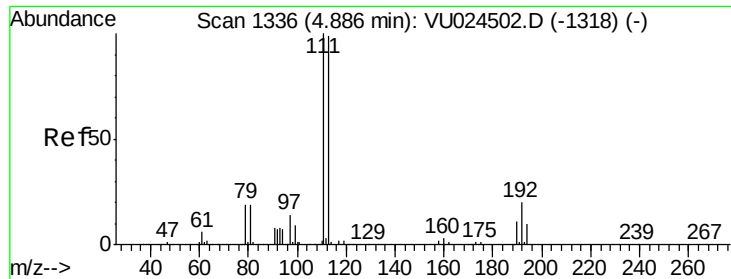
Tot Ion: 65 Resp: 125277
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 114 Resp: 248708
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.0 0.0 31.0

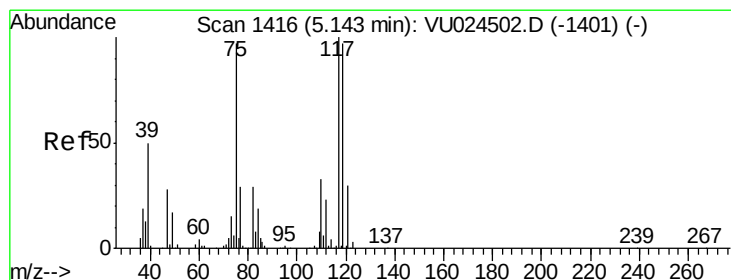
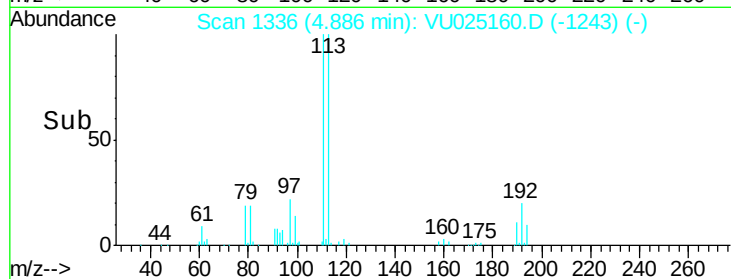
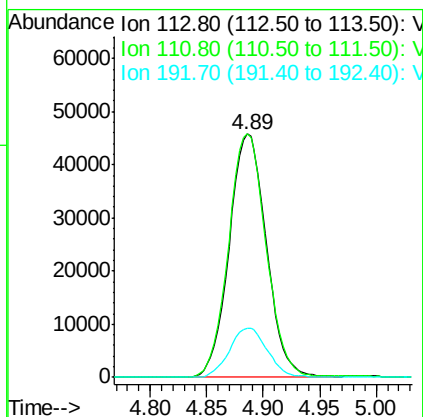
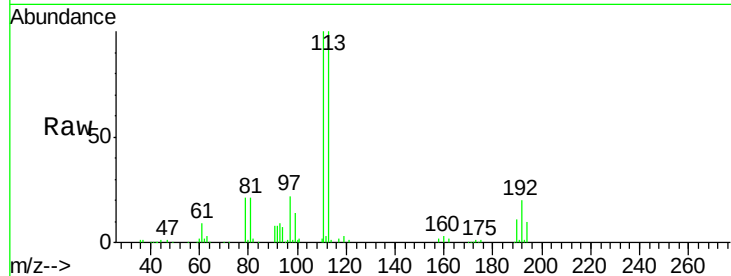




#35
 Dibromofluoromethane
 Concen: 50.721 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

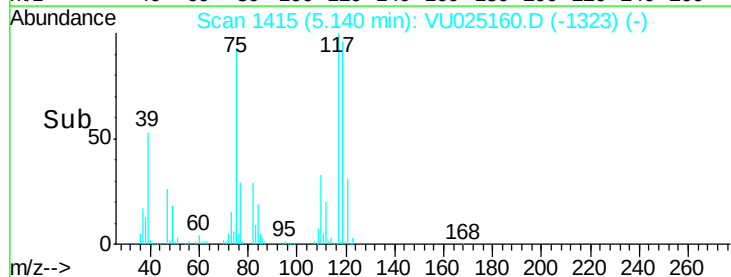
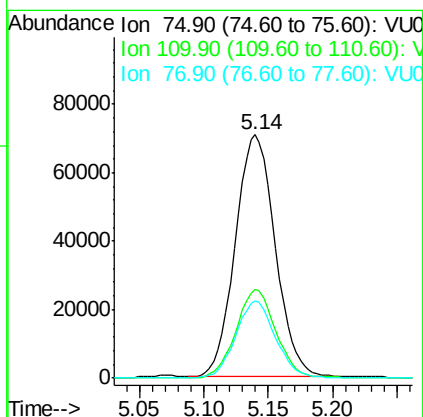
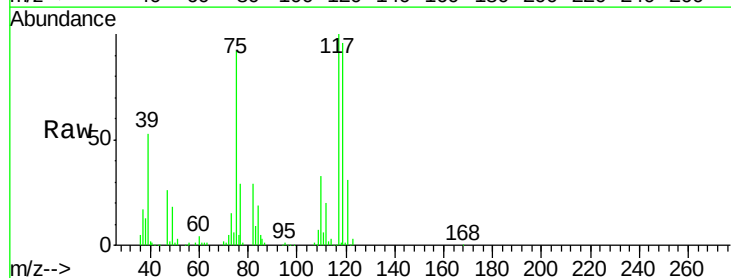
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

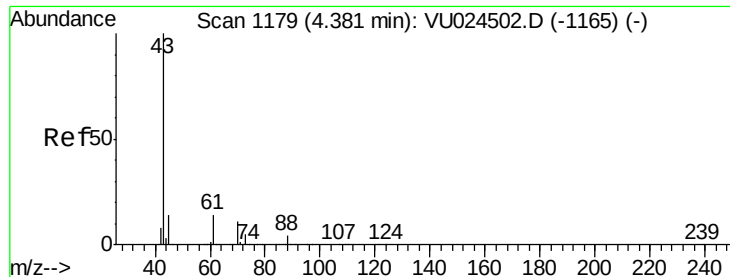
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	20.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 52.273 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.0	50.9
77	31.1	24.2	36.4

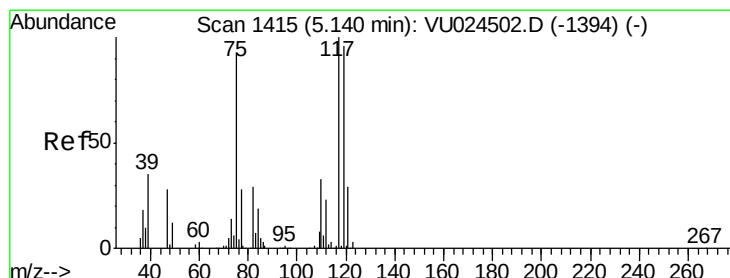
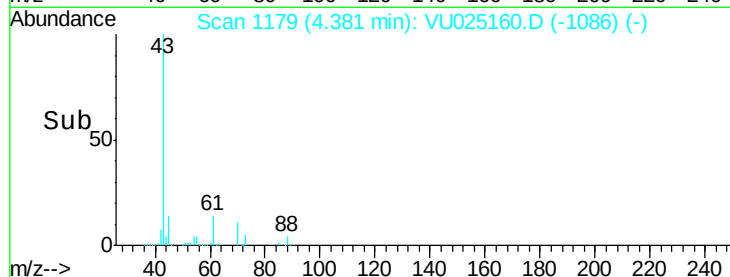
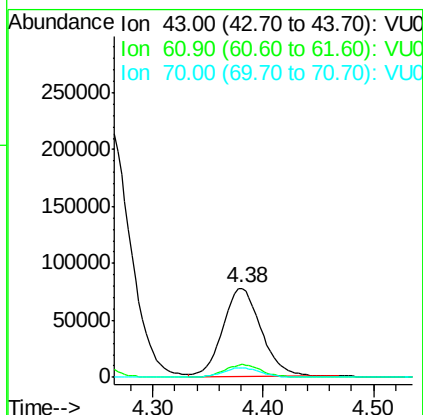
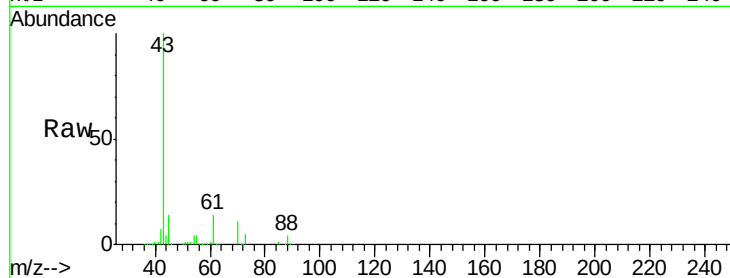




#37
Ethyl Acetate
Concen: 59.131 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

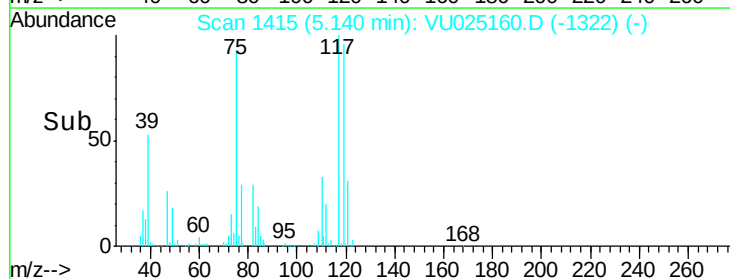
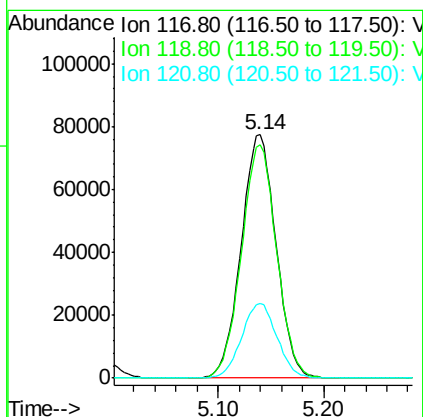
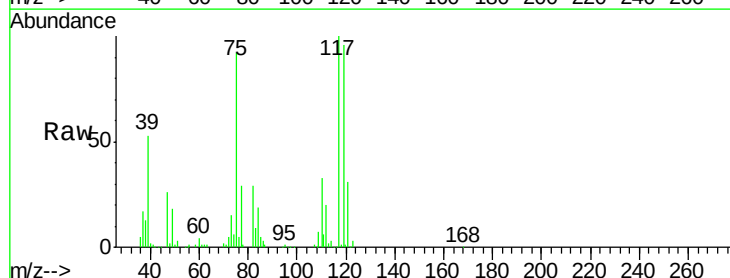
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

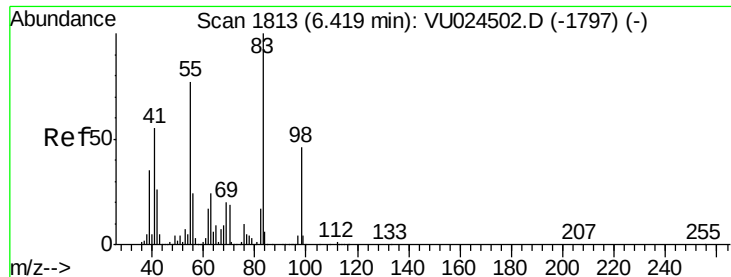
Tot Ion: 43 Resp: 188351
Ion Ratio Lower Upper
43 100
61 14.0 10.5 15.7
70 10.6 7.4 11.2



#38
Carbon Tetrachloride
Concen: 55.458 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 117 Resp: 178229
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1
121 30.7 23.7 35.5

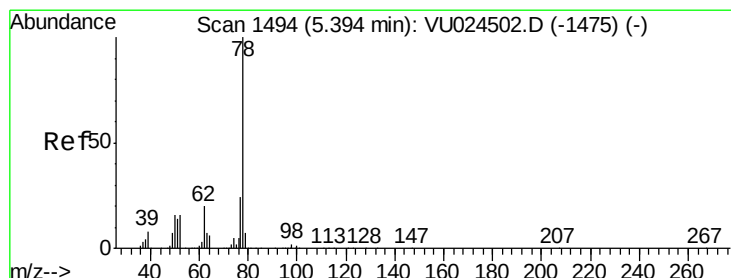
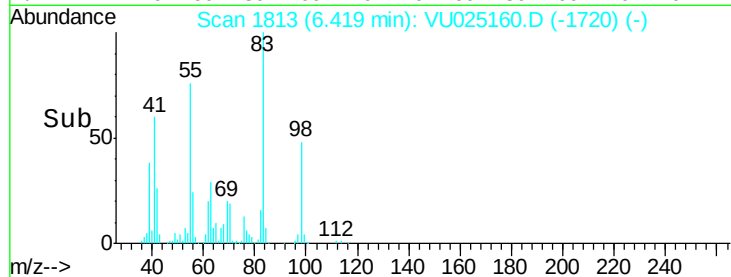
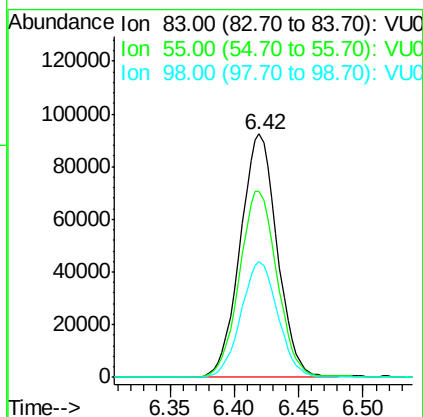
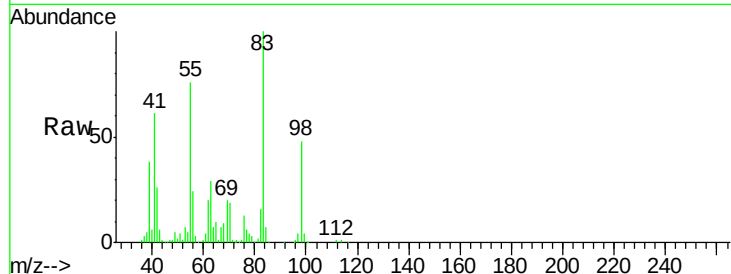




#39
Methylvlcyclohexane
Concen: 50.648 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

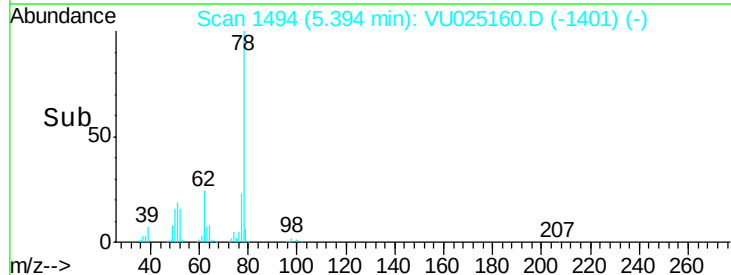
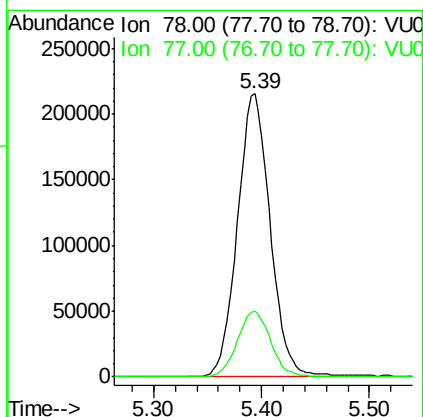
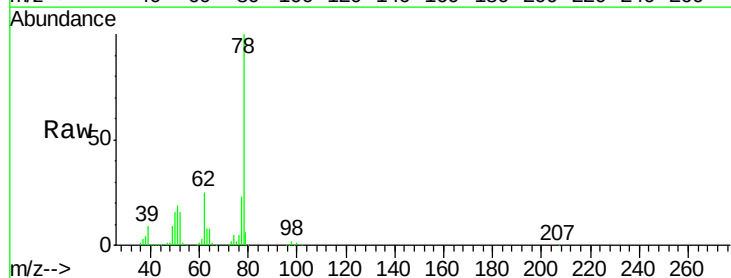
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

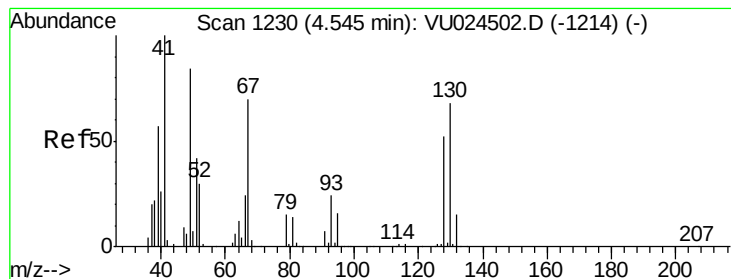
Tot Ion: 83 Resp: 184717
Ion Ratio Lower Upper
83 100
55 76.3 65.8 98.6
98 47.6 36.7 55.1



#40
Benzene
Concen: 54.627 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 78 Resp: 454909
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 62.031 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 106532

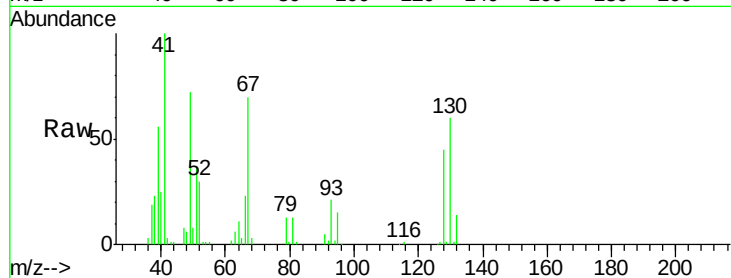
Ion Ratio Lower Upper

41 100

39 56.3 43.8 65.6

67 71.1 56.3 84.5

52 29.7 23.2 34.8

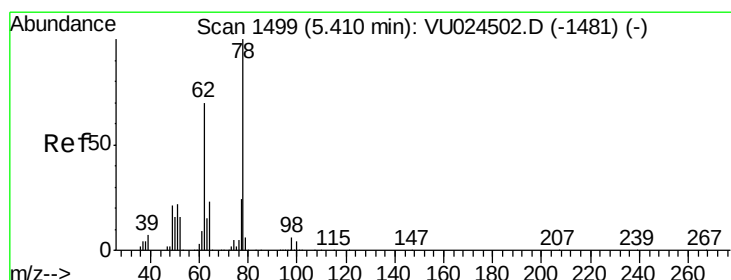
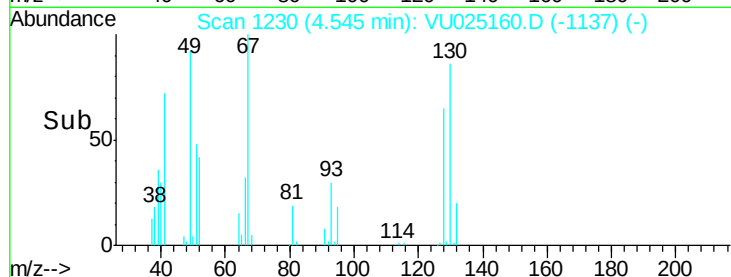
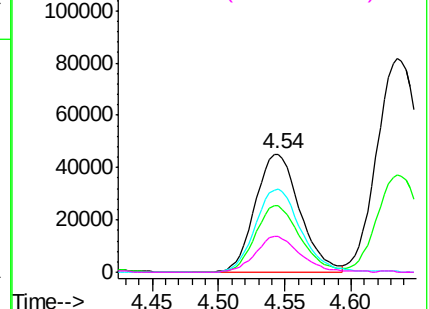


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 59.715 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025160.D

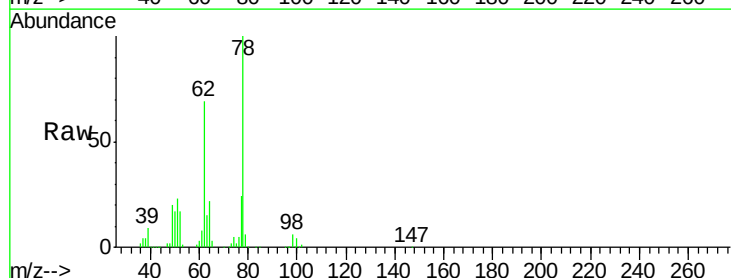
Acq: 02 Jul 2018 22:32

Tgt Ion: 62 Resp: 189395

Ion Ratio Lower Upper

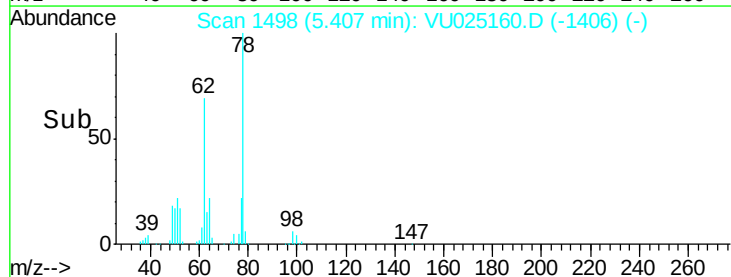
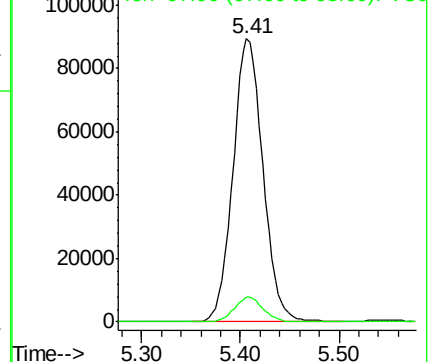
62 100

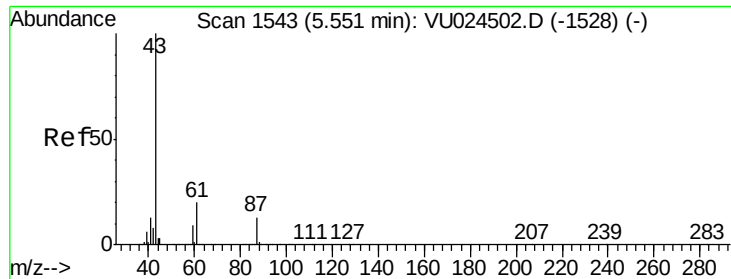
98 8.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 55.750 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

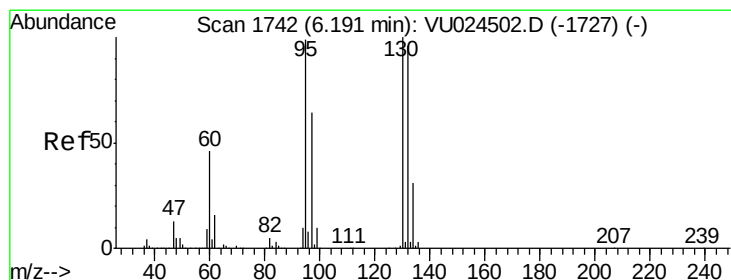
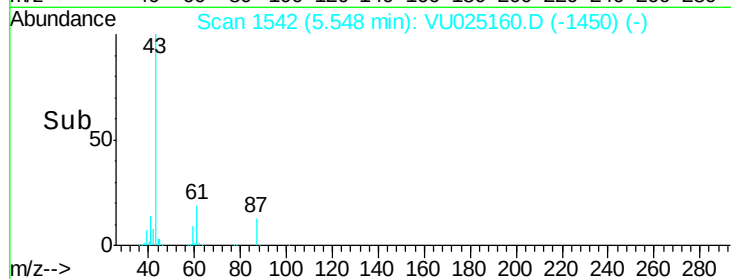
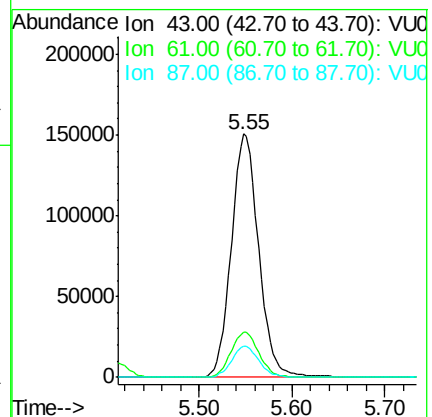
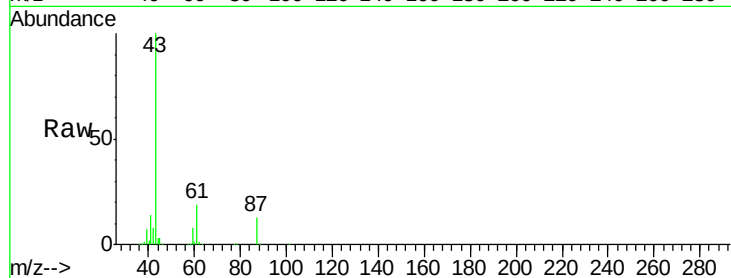
Tot Ion: 43 Resp: 306957

Ion Ratio Lower Upper

43 100

61 19.0 15.4 23.0

87 12.9 10.0 15.0



#44

Trichloroethene

Concen: 52.584 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025160.D

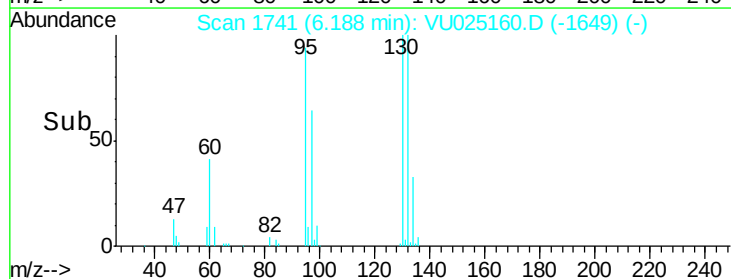
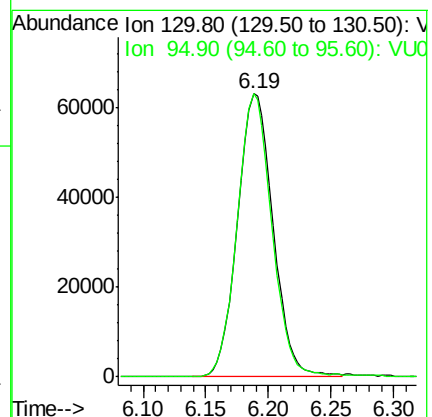
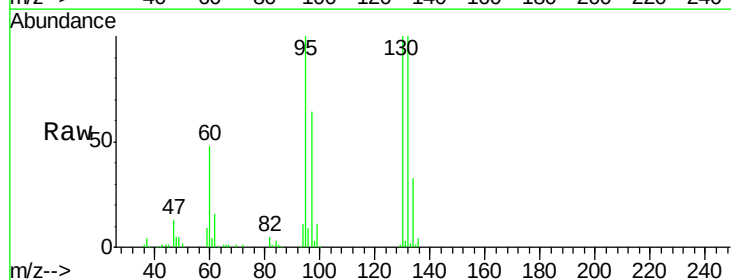
Acq: 02 Jul 2018 22:32

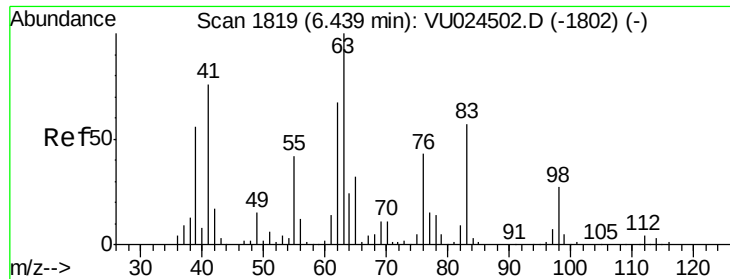
Tgt Ion: 130 Resp: 124625

Ion Ratio Lower Upper

130 100

95 99.9 0.0 202.4

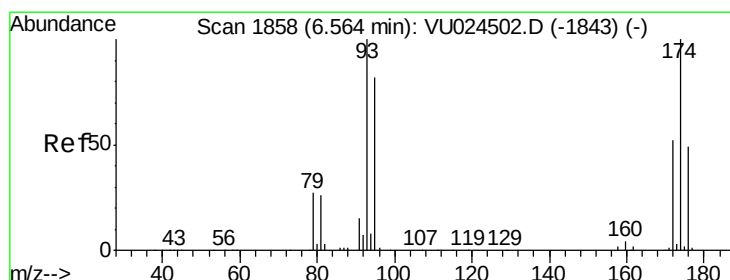
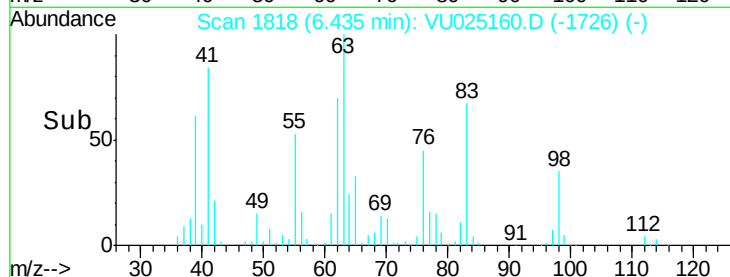
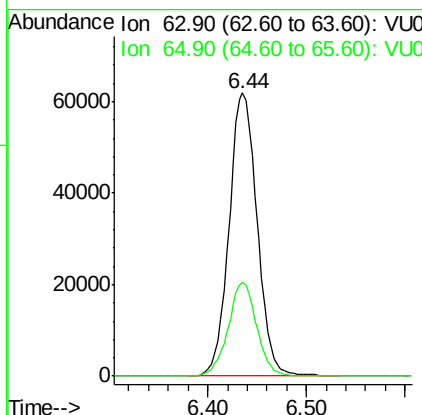
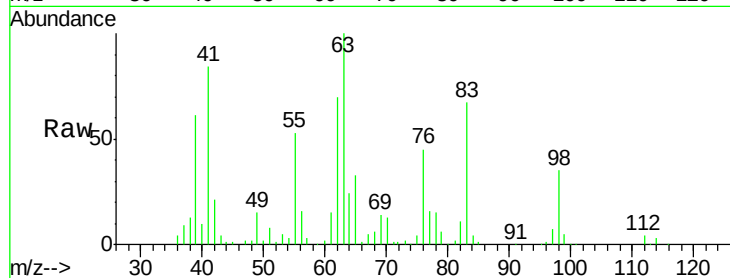




#45
 1,2-Dichloropropane
 Concen: 55.396 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

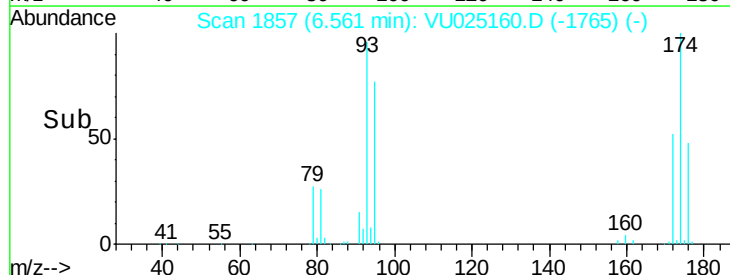
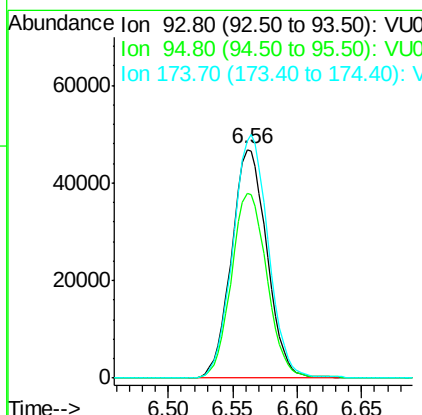
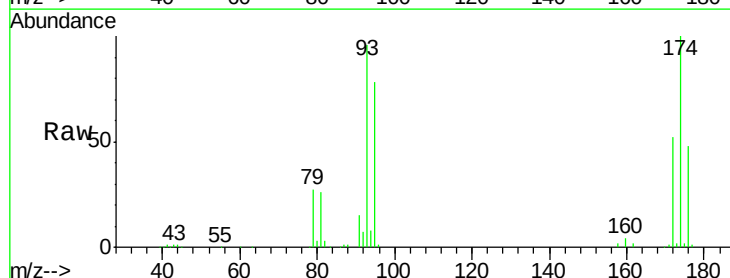
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

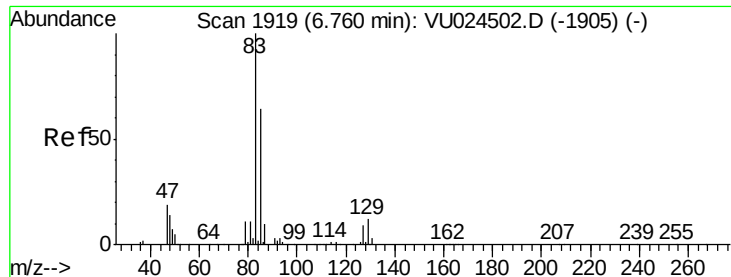
Tot Ion: 63 Resp: 123089
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.8 37.2



#46
 Dibromomethane
 Concen: 57.401 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 93 Resp: 89589
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.5 98.3
 174 106.3 78.7 118.1

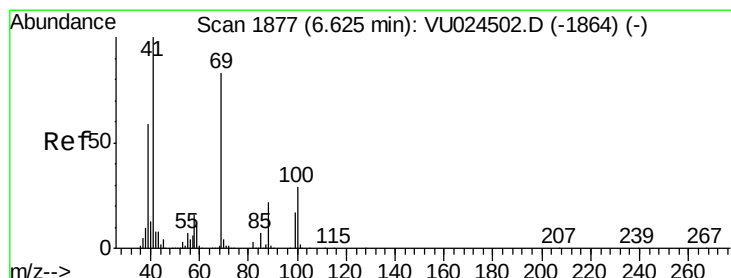
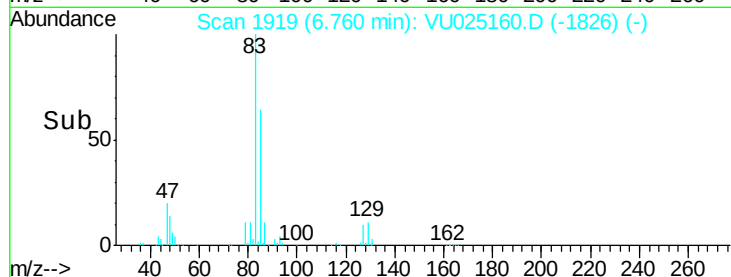
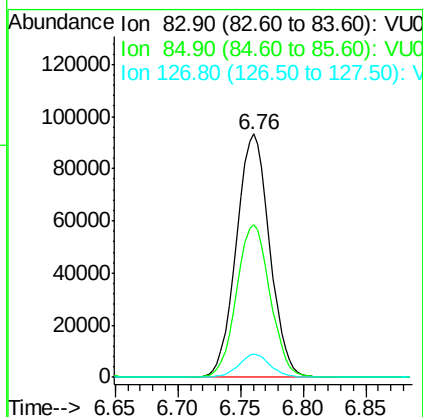
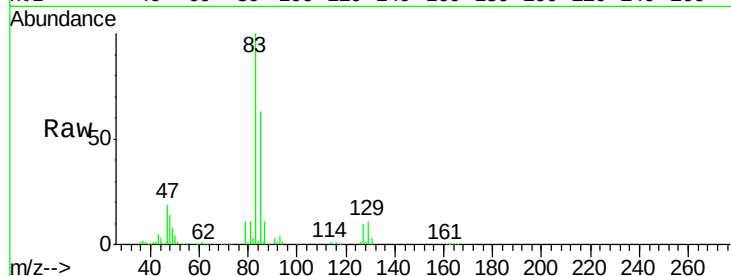




#47
Bromodichloromethane
Concen: 55.476 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

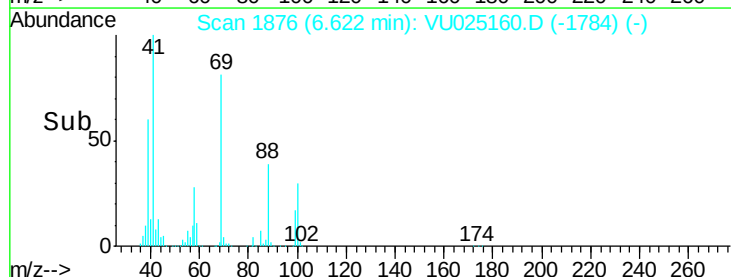
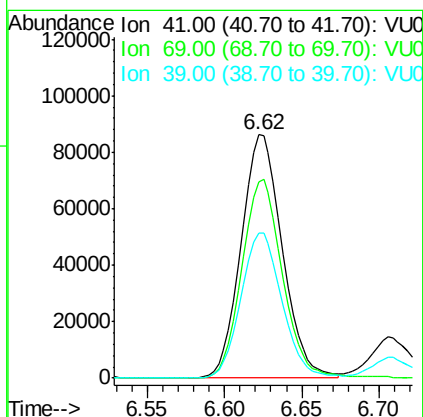
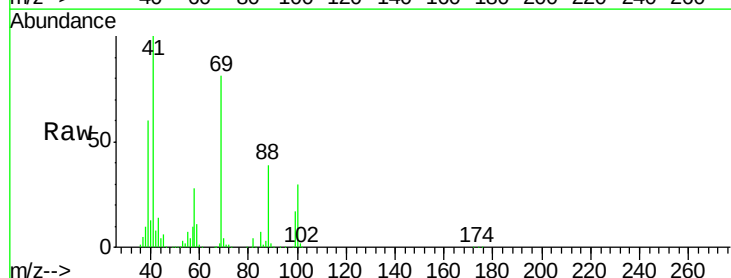
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

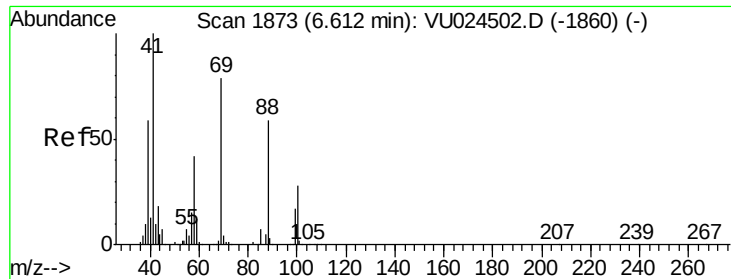
Tot Ion	83	Resp	172415
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.9	77.9
127	9.6	6.6	9.8



#48
Methyl methacrylate
Concen: 59.386 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	41	Resp	159220
Ion Ratio	Lower	Upper	
41	100		
69	81.2	67.3	100.9
39	59.3	46.5	69.7





#49

1,4-Dioxane

Concen: 1501.240 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

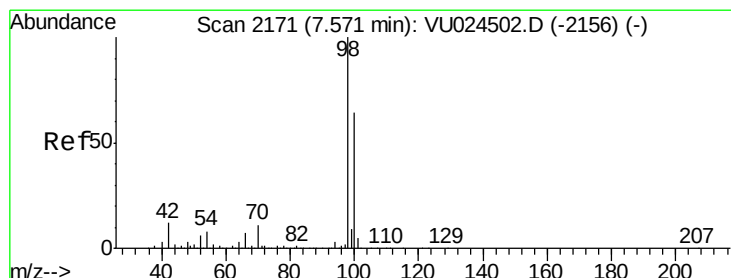
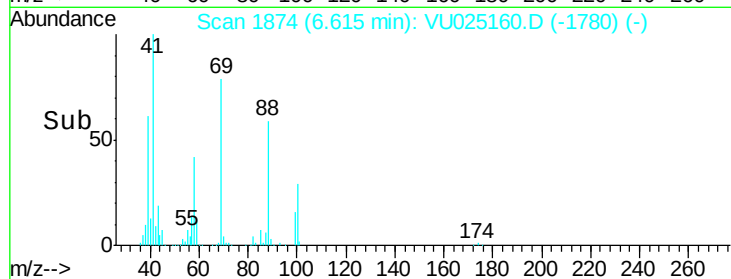
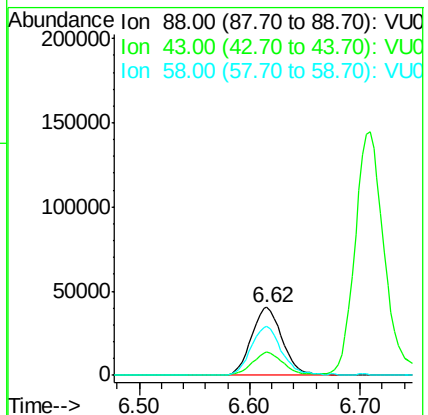
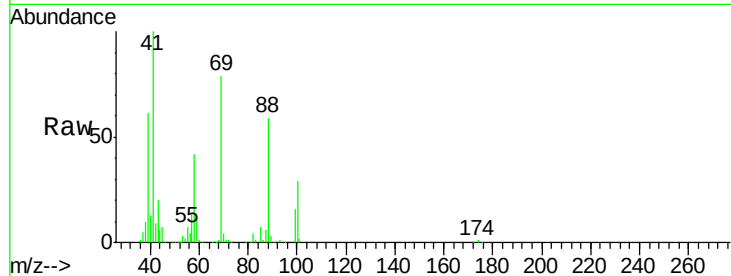
MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 78713

Ion	Ratio	Lower	Upper
88	100		
43	32.9	28.6	42.8
58	71.0	58.2	87.4



#50

Toluene-d8

Concen: 43.374 ug/l

RT: 7.57 min Scan# 2170

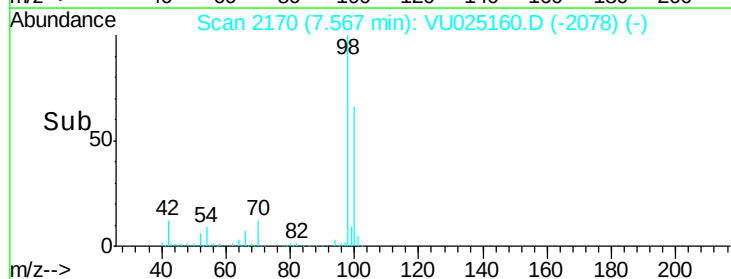
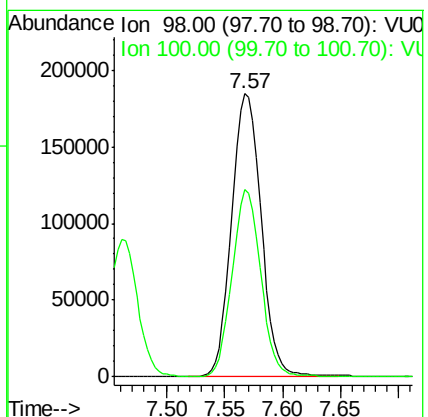
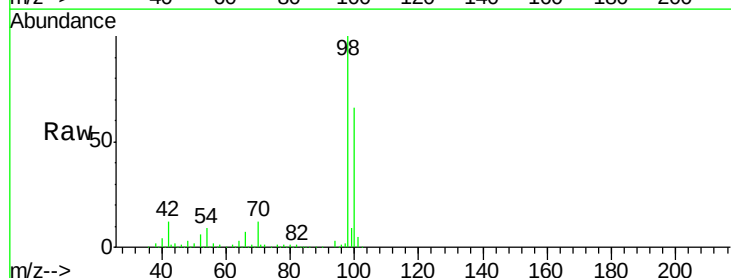
Delta R.T. -0.00 min

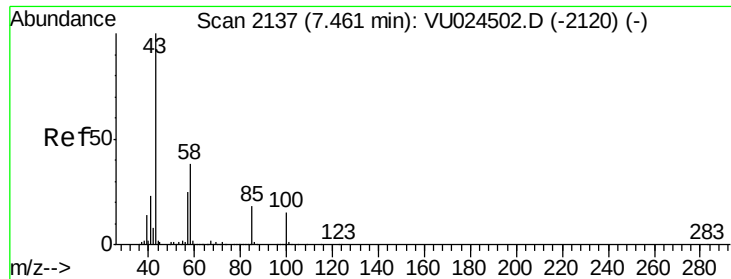
Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion: 98 Resp: 326557

Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7

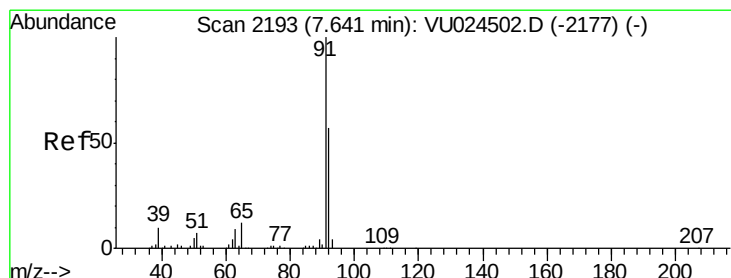
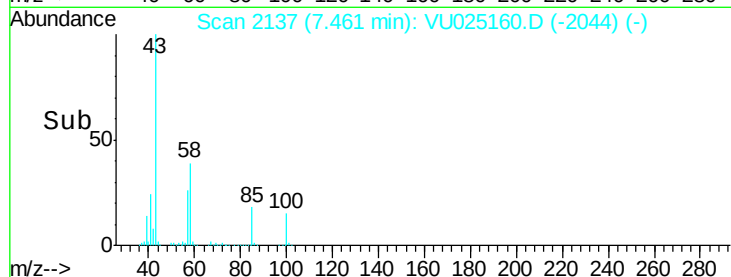
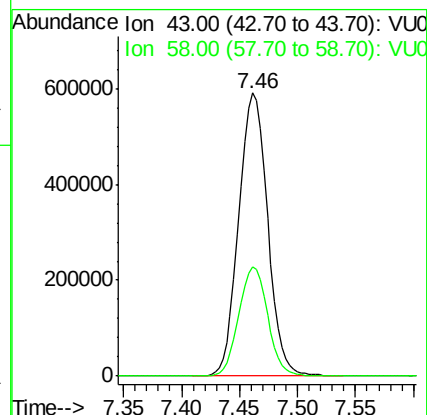
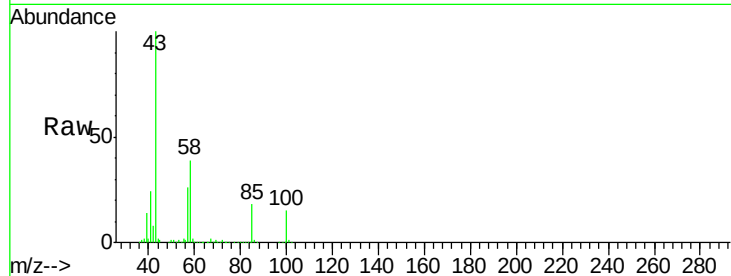




#51
 4-Methyl-2-Pentanone
 Concen: 295.665 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

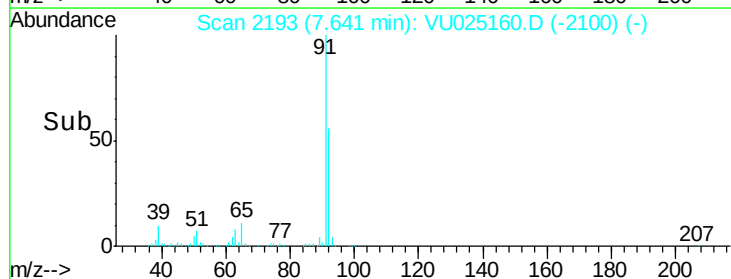
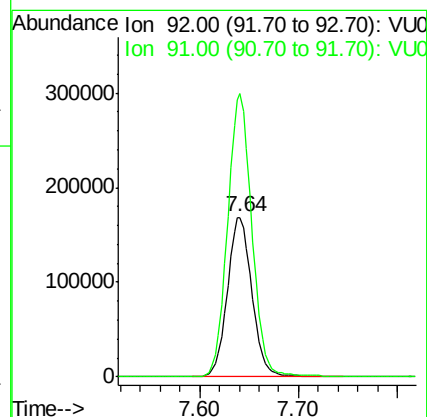
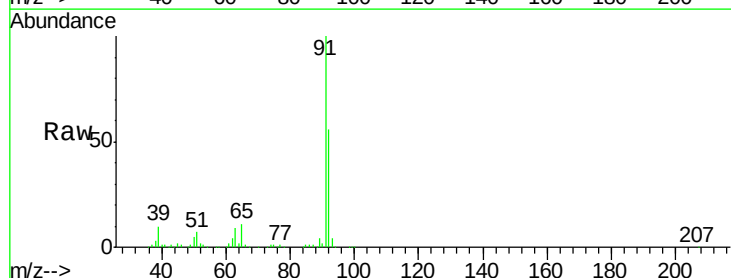
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

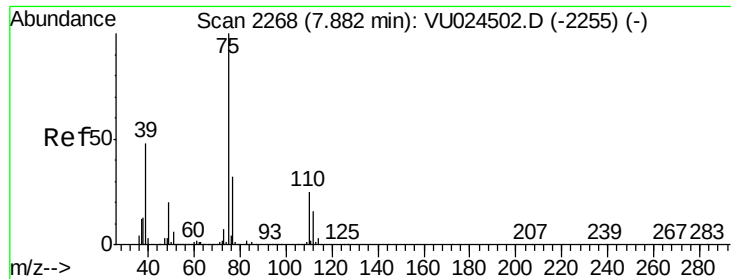
Tot Ion: 43 Resp: 1022747
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.0 45.0



#52
 Toluene
 Concen: 54.985 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 92 Resp: 294588
 Ion Ratio Lower Upper
 92 100
 91 176.1 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 51.500 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

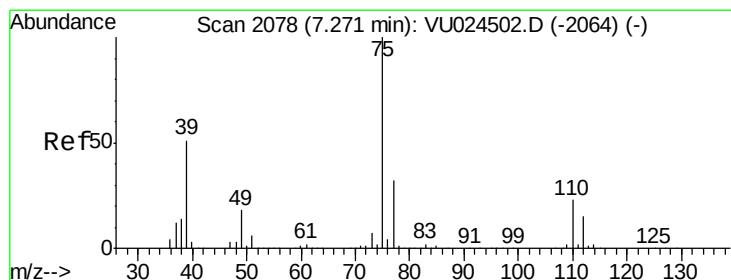
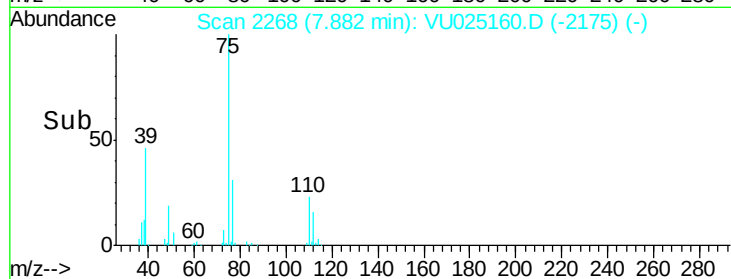
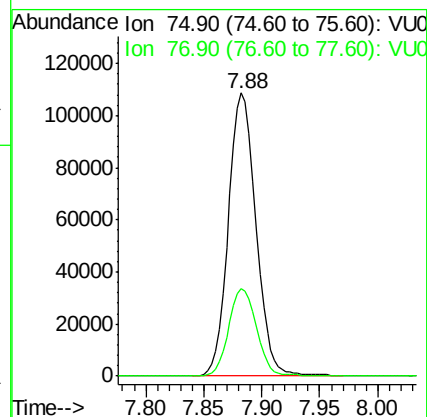
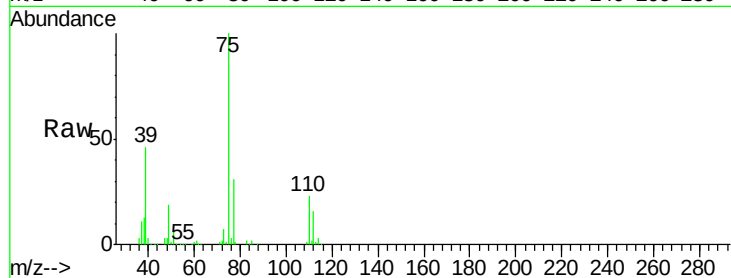
VSTDCCC050

Tot Ion: 75 Resp: 179745

Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 51.301 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

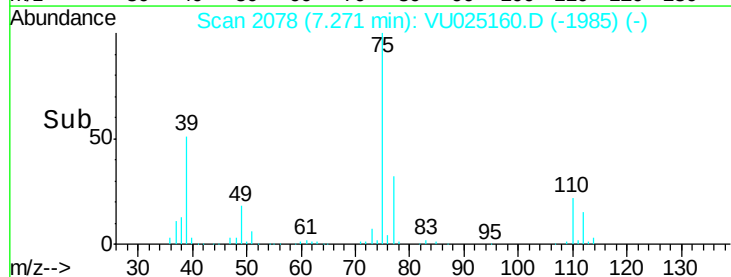
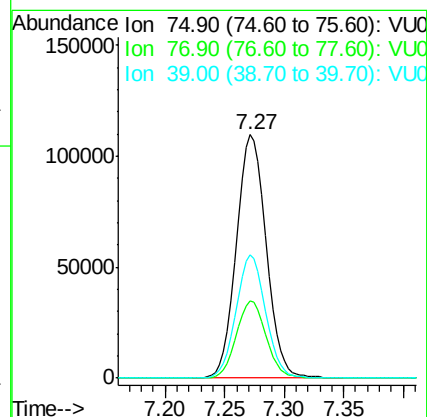
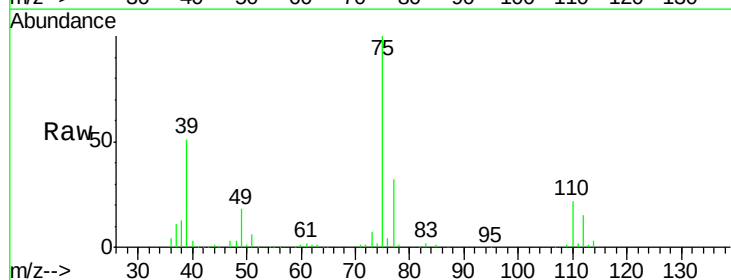
Tgt Ion: 75 Resp: 190789

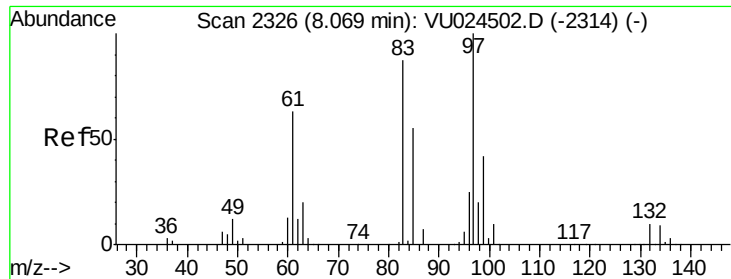
Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 50.8 39.8 59.6

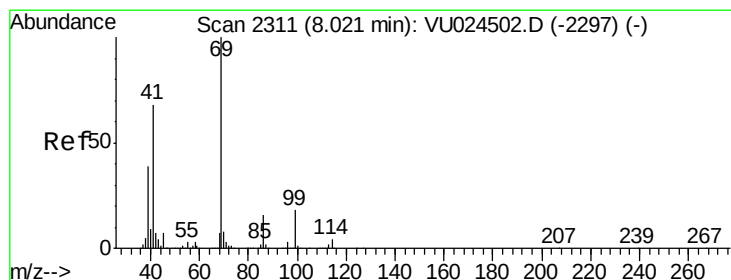
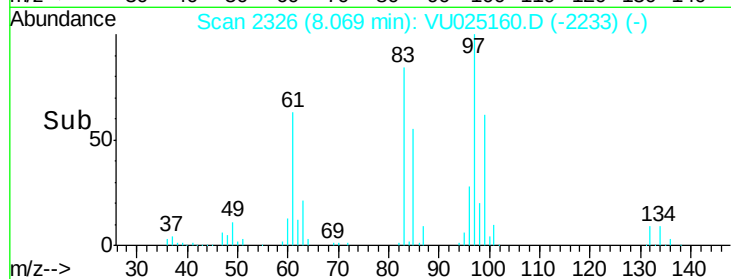
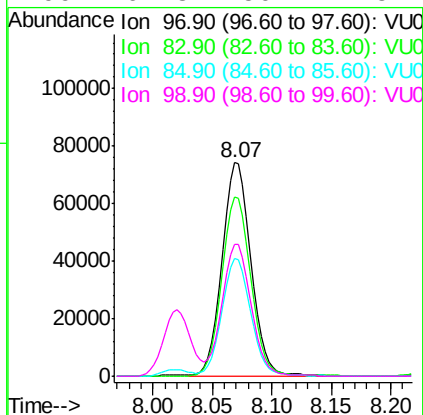
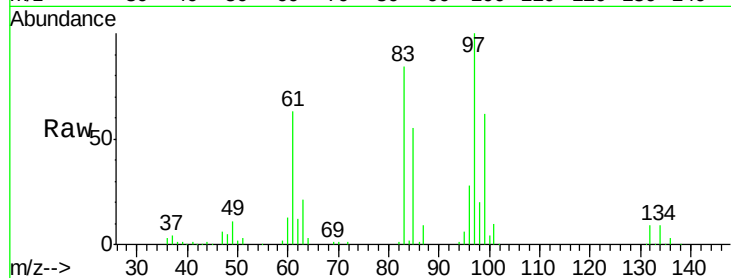




#55
 1,1,2-Trichloroethane
 Concen: 56.963 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

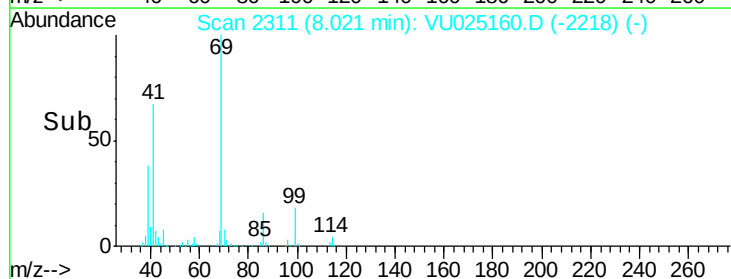
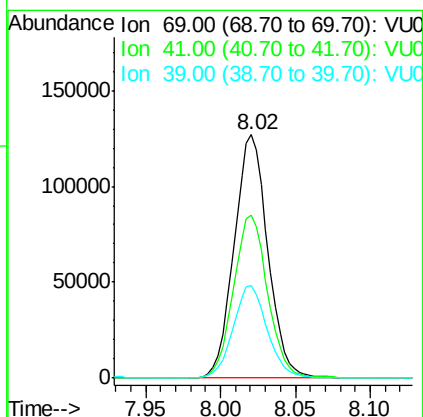
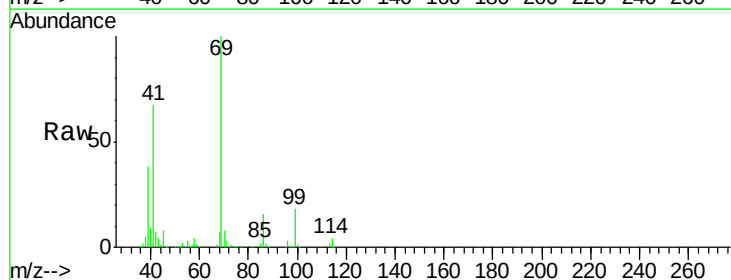
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

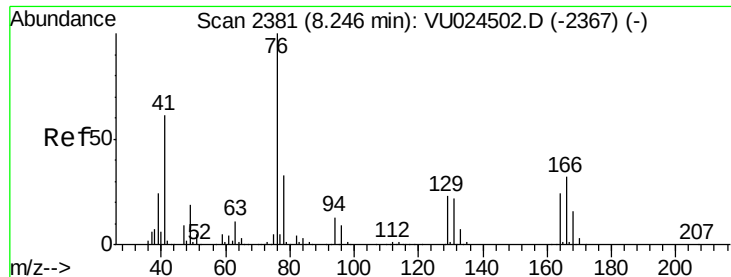
Tot Ion:	97	Resp:	124056
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.5	105.7
85	55.2	46.4	69.6
99	61.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 54.554 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion:	69	Resp:	198855
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	38.3	30.3	45.5

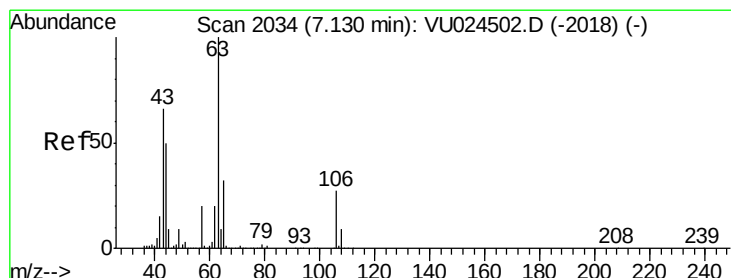
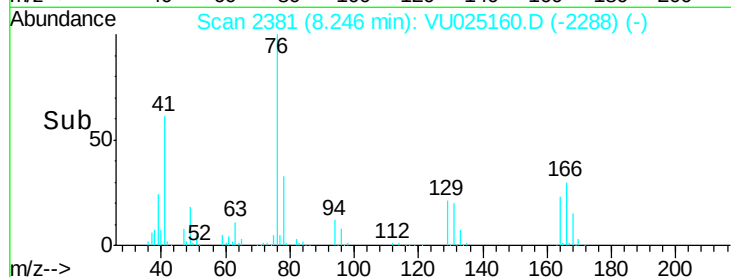
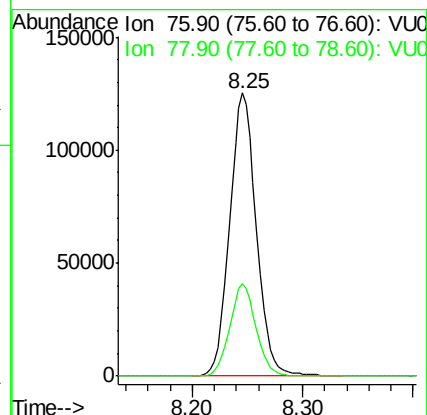
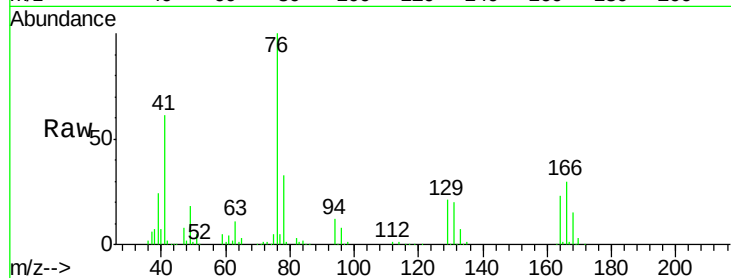




#57
 1,3-Dichloropropane
 Concen: 57.119 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

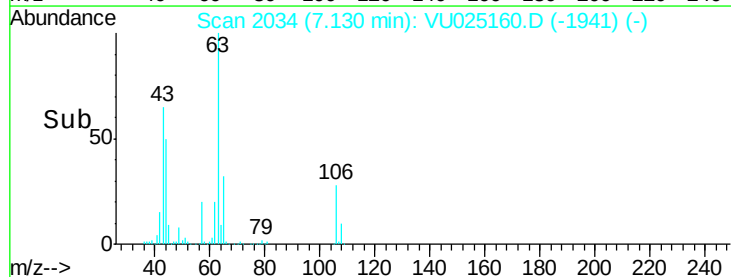
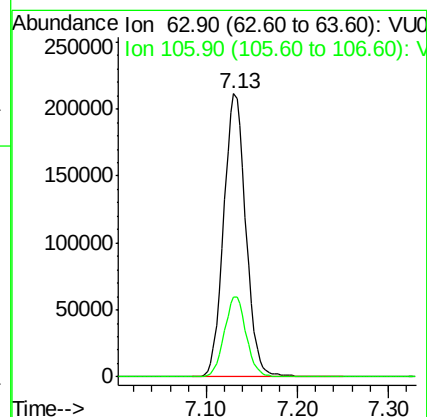
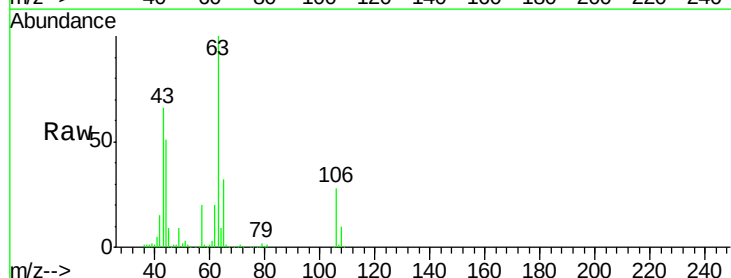
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

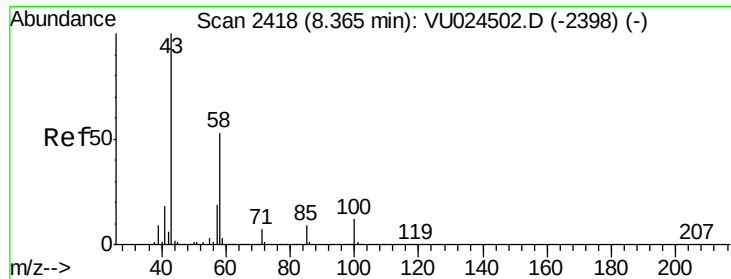
Tot Ion: 76 Resp: 209844
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.606 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 63 Resp: 358341
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.2 30.2

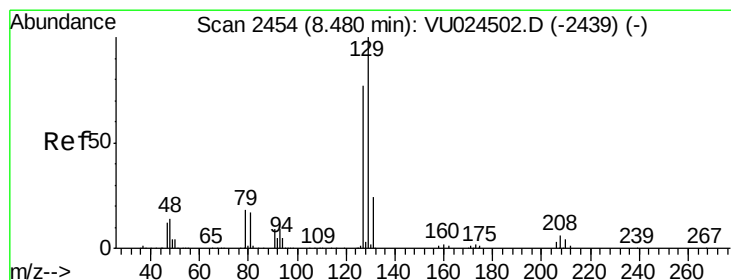
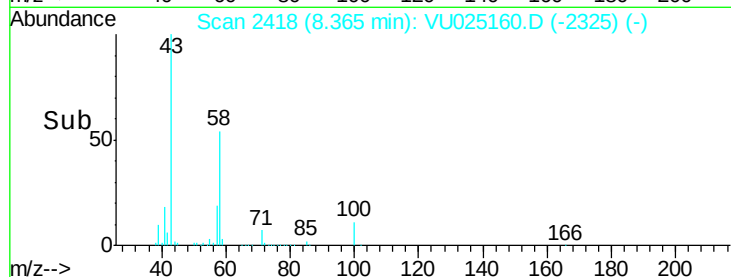
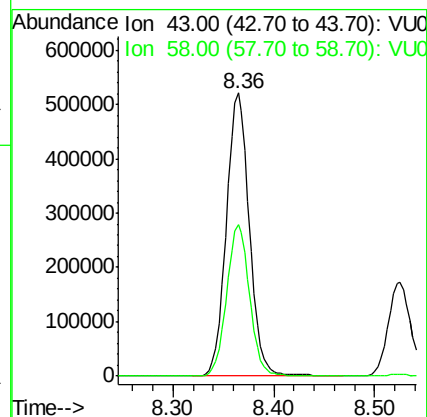
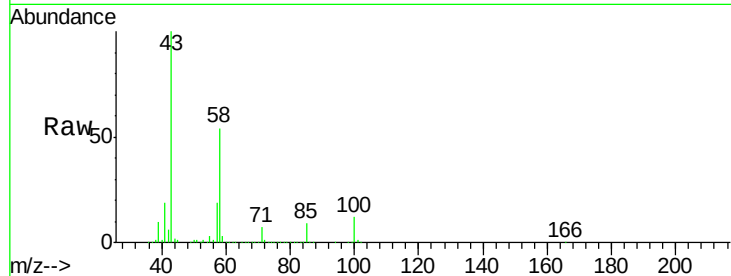




#59
2-Hexanone
Concen: 293.612 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

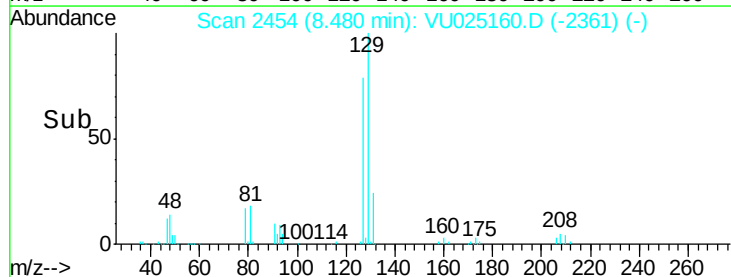
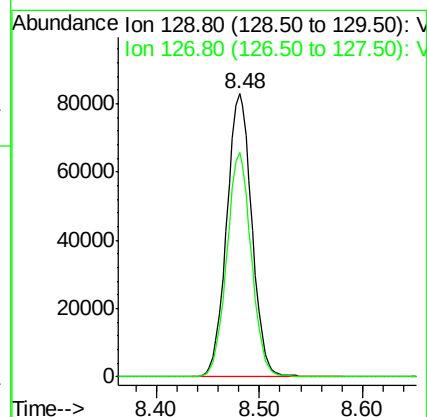
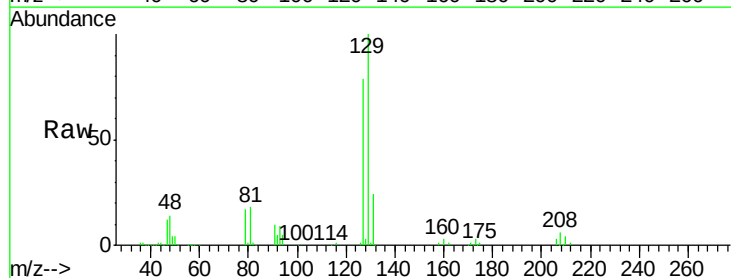
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

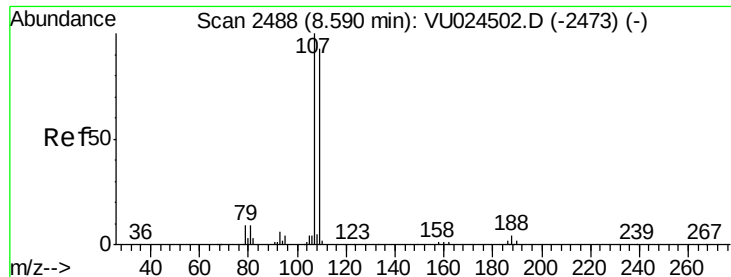
Tot Ion: 43 Resp: 829178
Ion Ratio Lower Upper
43 100
58 53.4 26.4 79.0



#60
Dibromochloromethane
Concen: 51.919 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 129 Resp: 141000
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 56.376 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

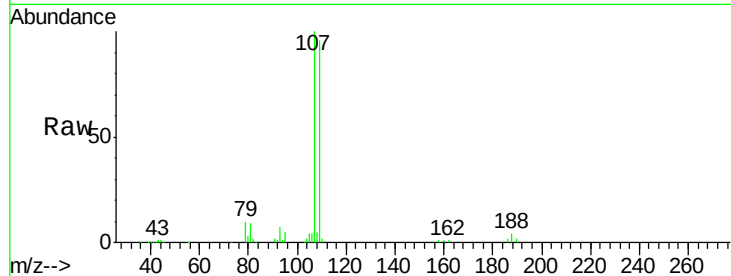
VSTDCCC050

Tot Ion:107 Resp: 136654

Ion Ratio Lower Upper

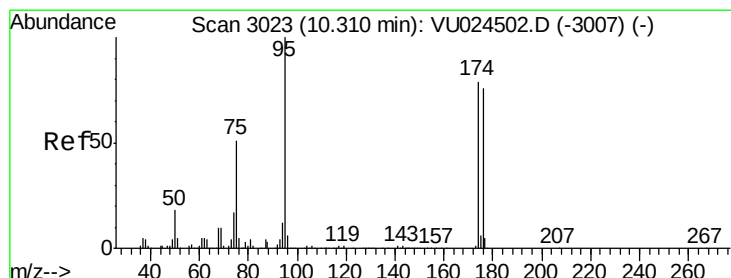
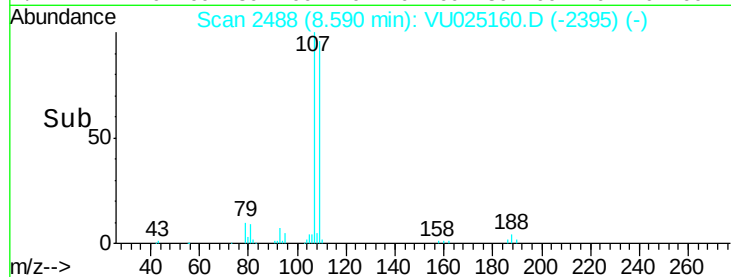
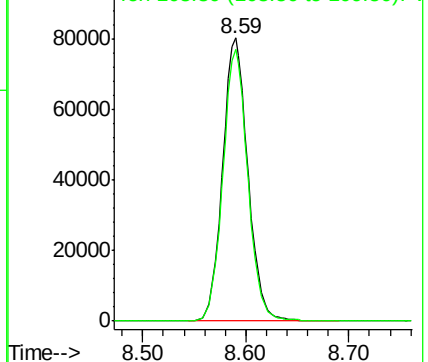
107 100

109 94.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.179 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

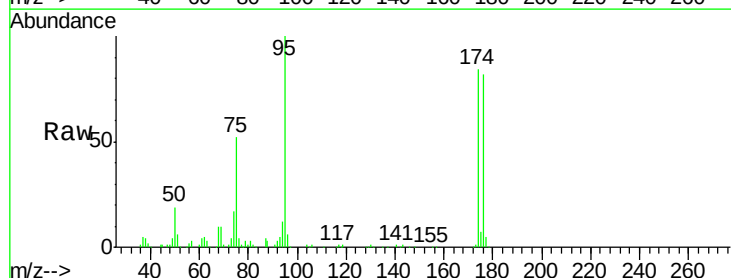
Tgt Ion: 95 Resp: 144022

Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

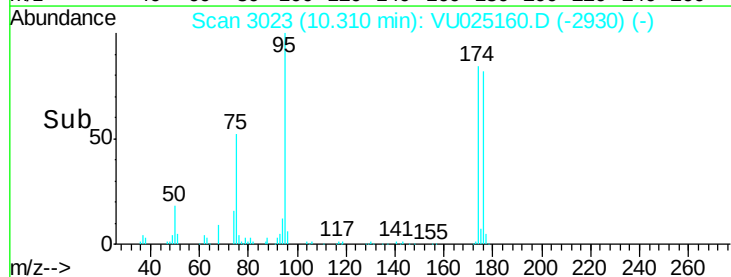
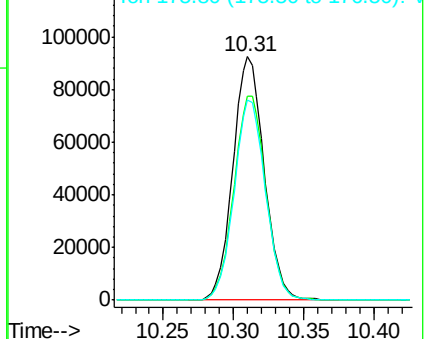
176 82.5 0.0 159.4

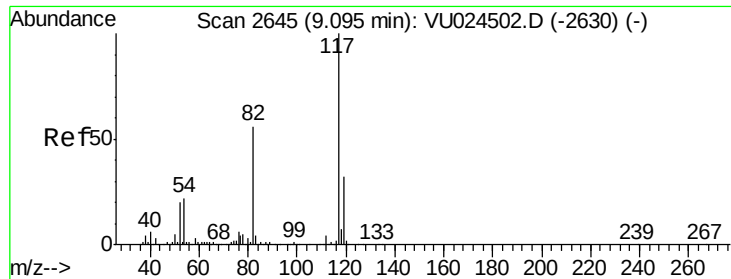


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

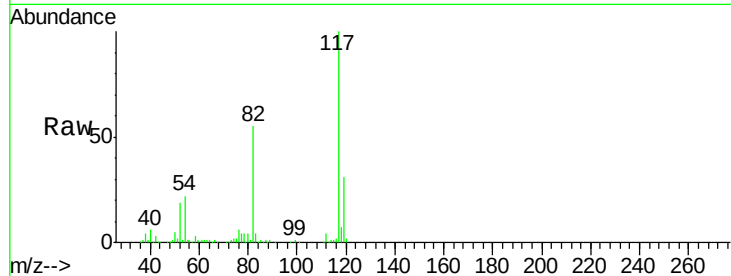




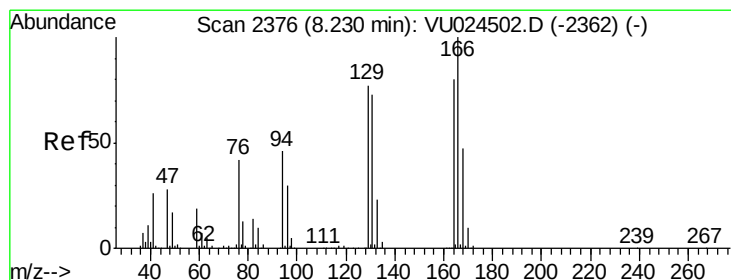
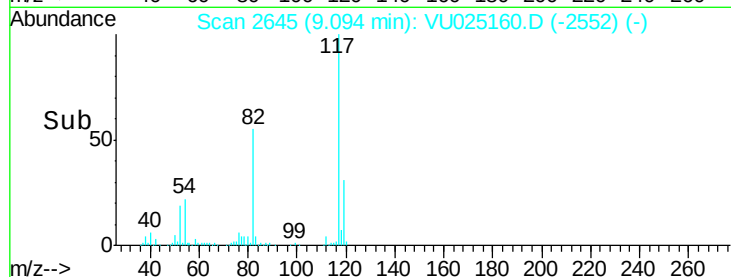
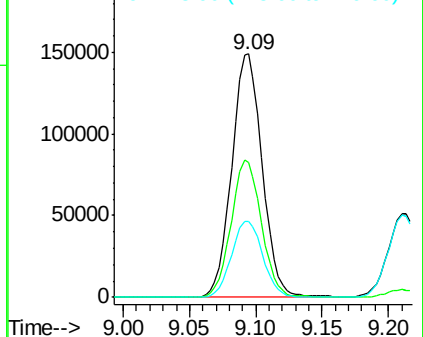
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 237604
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 31.4 25.4 38.2



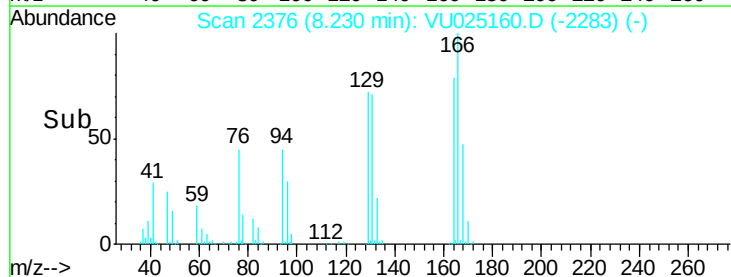
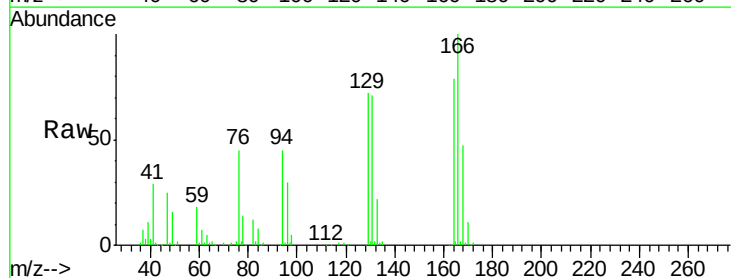
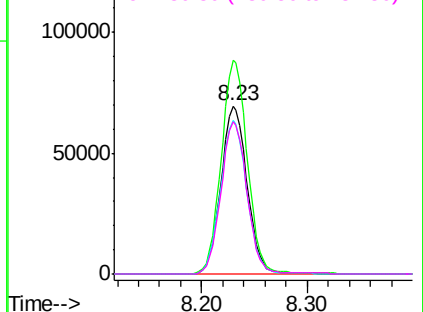
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

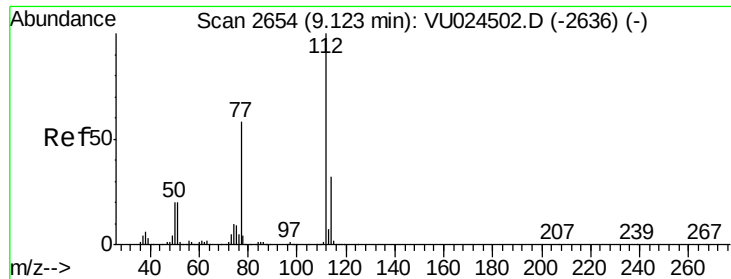


#64
Tetrachloroethene
Concen: 52.854 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion:164 Resp: 119373
Ion Ratio Lower Upper
164 100
166 127.0 101.7 152.5
129 91.2 76.9 115.3
131 90.4 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

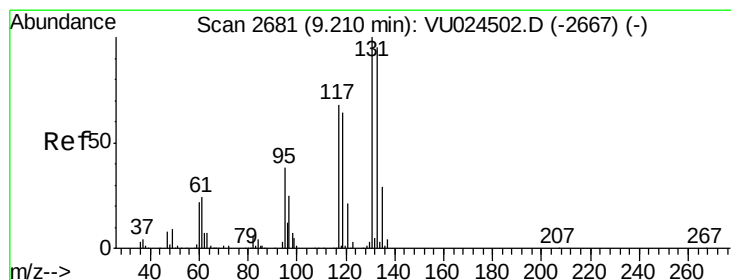
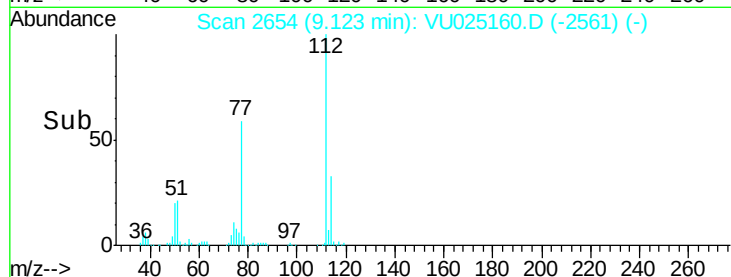
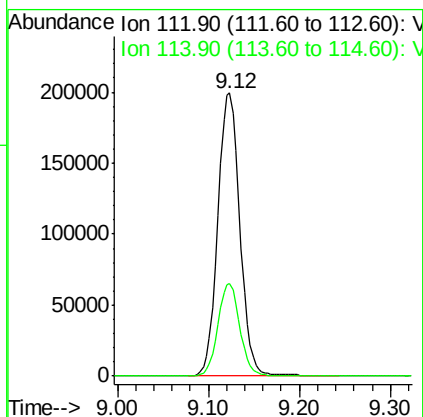
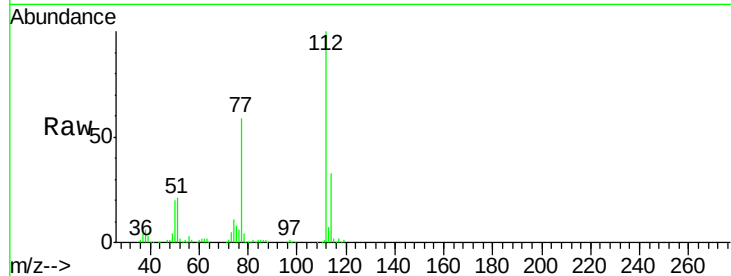




#65
Chlorobenzene
Concen: 55.412 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

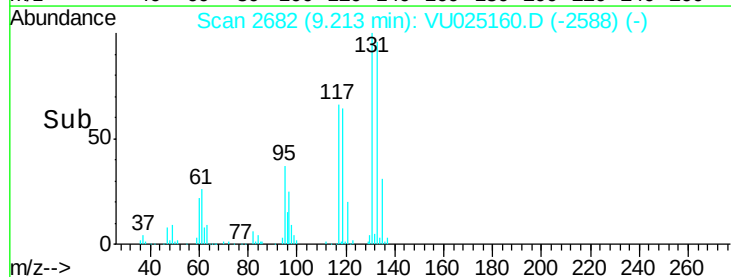
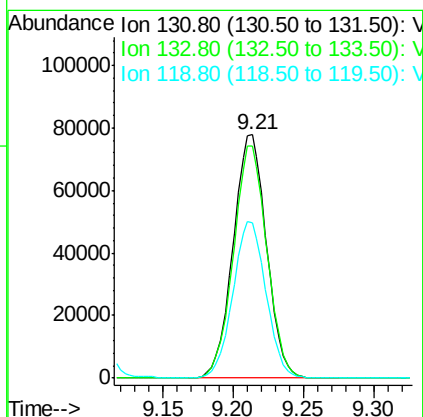
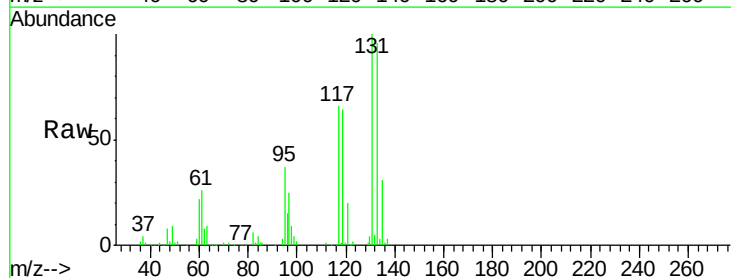
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

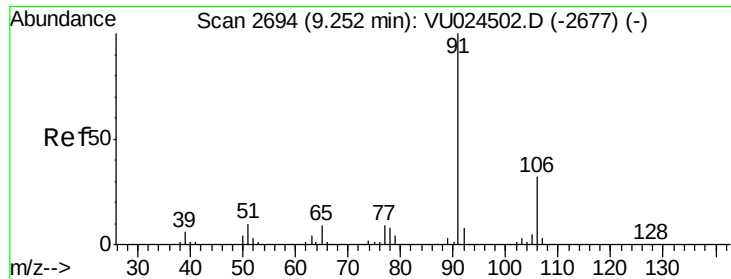
Tot Ion:112 Resp: 336344
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.845 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion:131 Resp: 128784
Ion Ratio Lower Upper
131 100
133 95.8 46.9 140.8
119 64.1 33.5 100.4





#67

Ethyl Benzene

Concen: 55.324 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

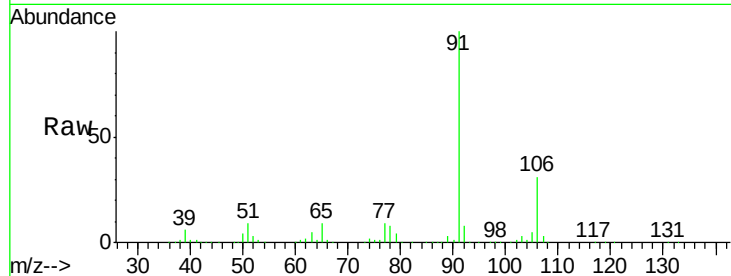
VSTDCCC050

Tot Ion: 91 Resp: 588709

Ion Ratio Lower Upper

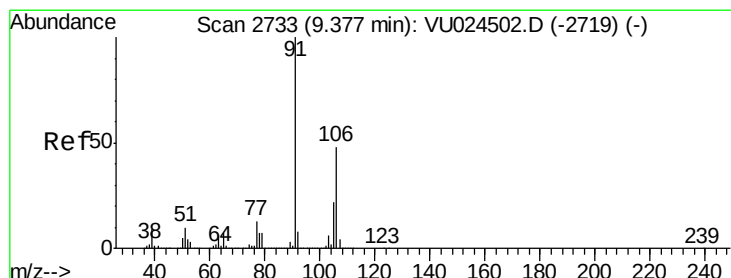
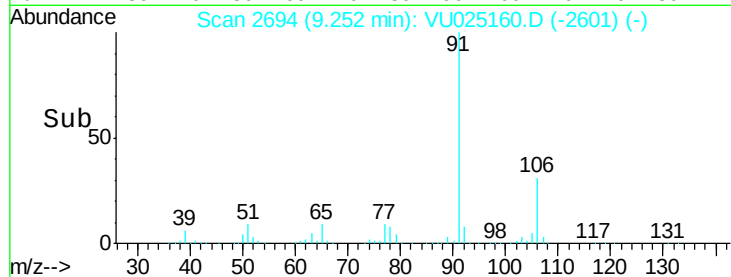
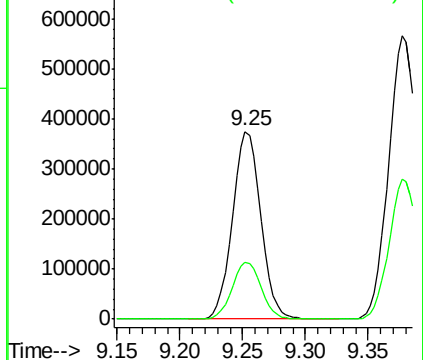
91 100

106 30.5 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: 111.701 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025160.D

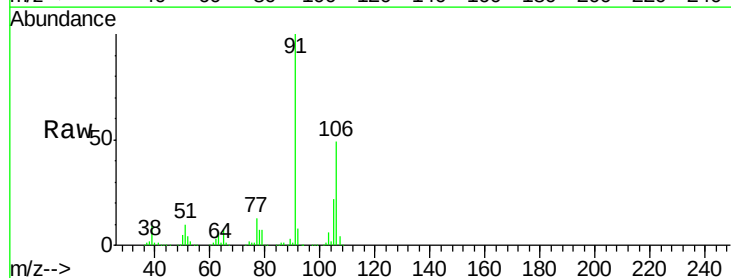
Acq: 02 Jul 2018 22:32

Tgt Ion: 106 Resp: 456427

Ion Ratio Lower Upper

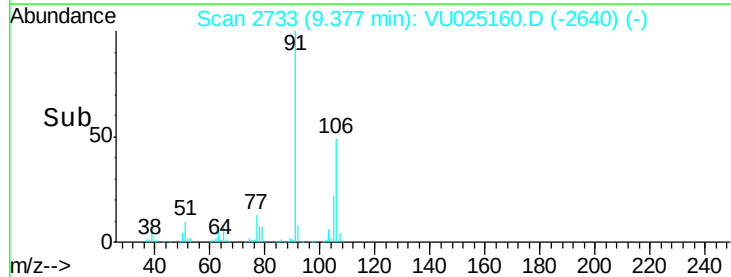
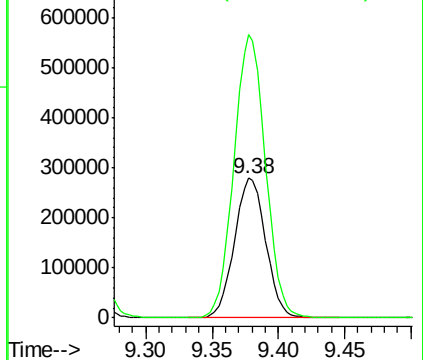
106 100

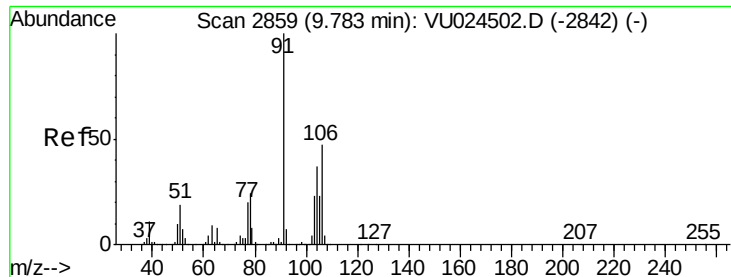
91 204.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

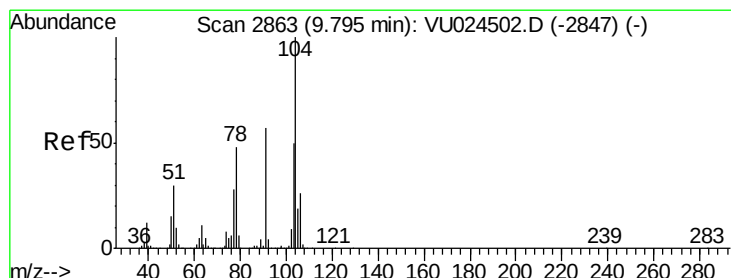
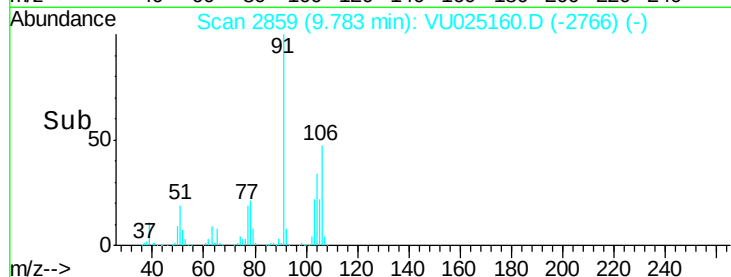
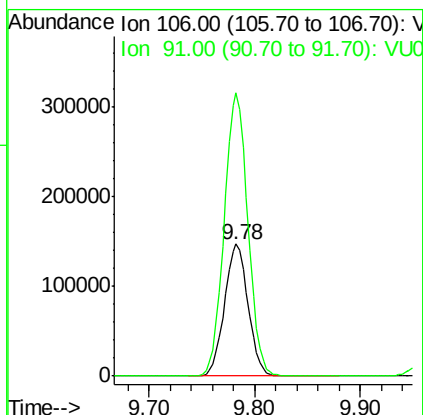
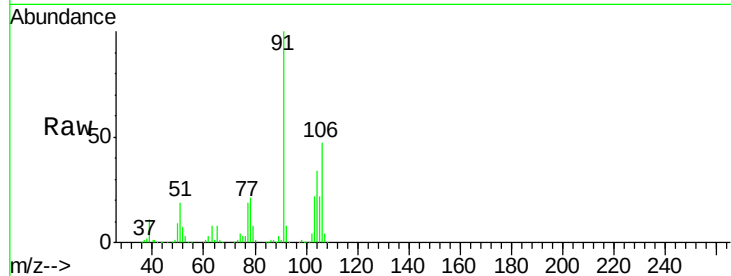




#69
o-Xylene
Concen: 56.012 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

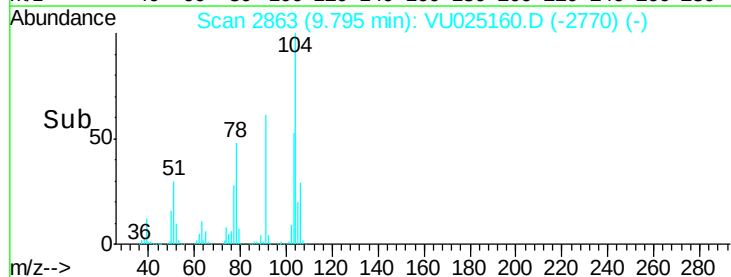
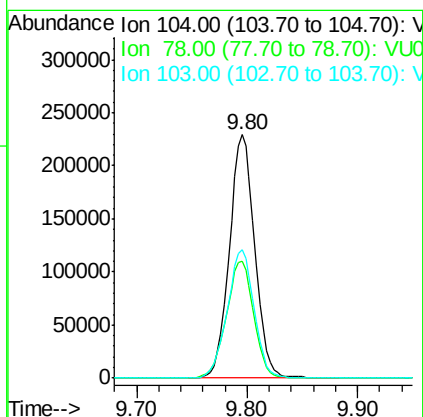
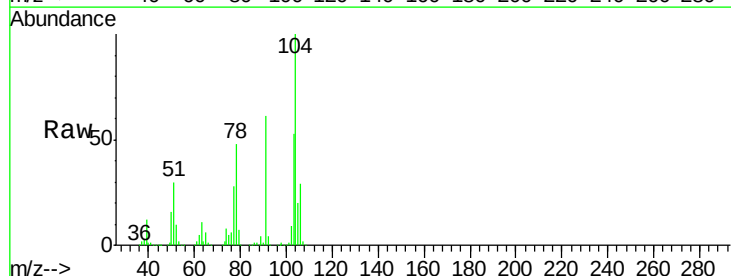
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

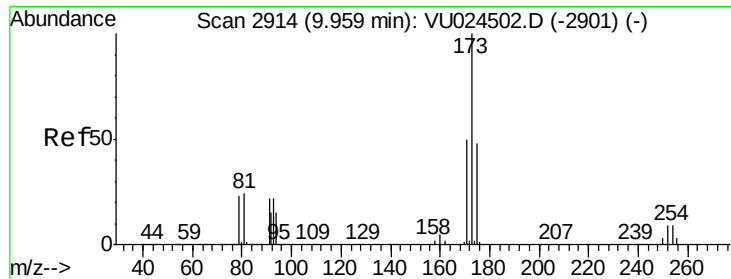
Tot Ion:106 Resp: 226506
Ion Ratio Lower Upper
106 100
91 215.8 110.7 331.9



#70
Styrene
Concen: 54.958 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion:104 Resp: 365225
Ion Ratio Lower Upper
104 100
78 52.1 40.6 60.8
103 55.8 44.7 67.1





#71

Bromoform

Concen: 51.671 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

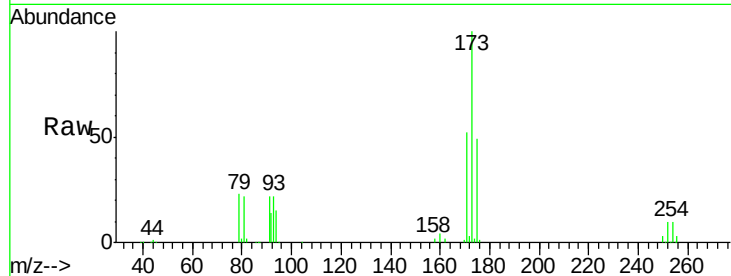
Tot Ion:173 Resp: 113259

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

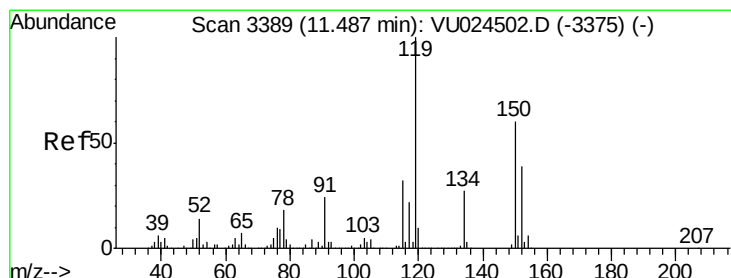
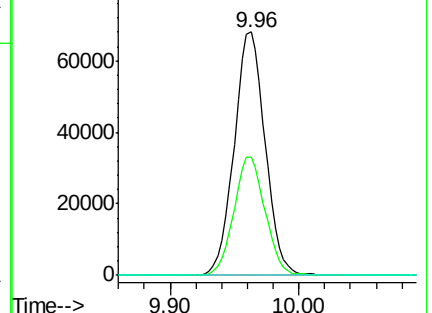
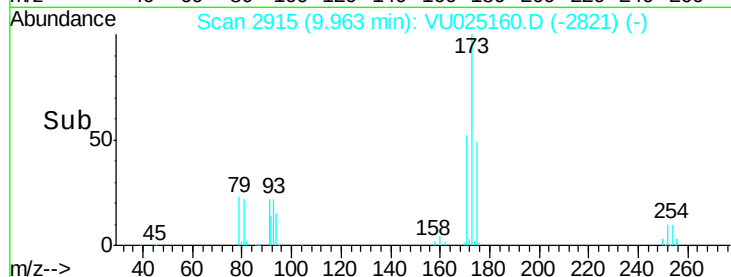
254 0.0 0.0 0.0#



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: VU025160.D

Acq: 02 Jul 2018 22:32

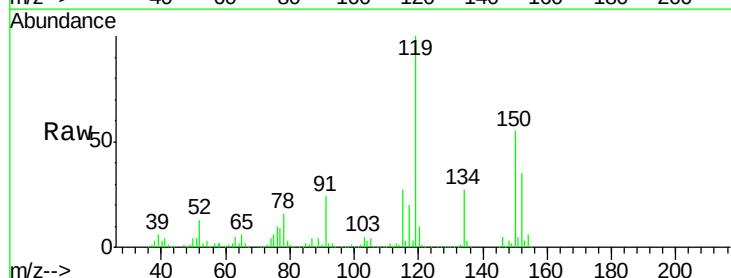
Tgt Ion:152 Resp: 144318

Ion Ratio Lower Upper

152 100

115 86.4 43.0 129.0

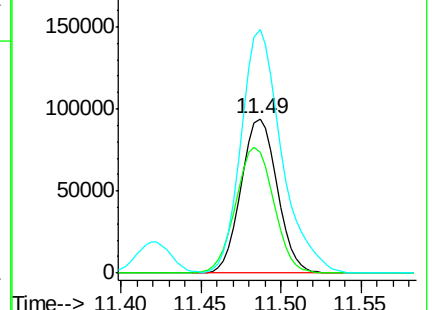
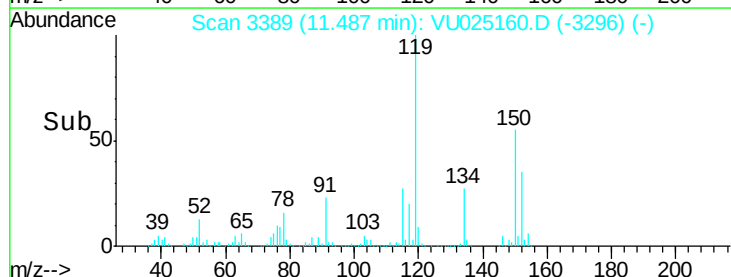
150 177.3 0.0 354.0

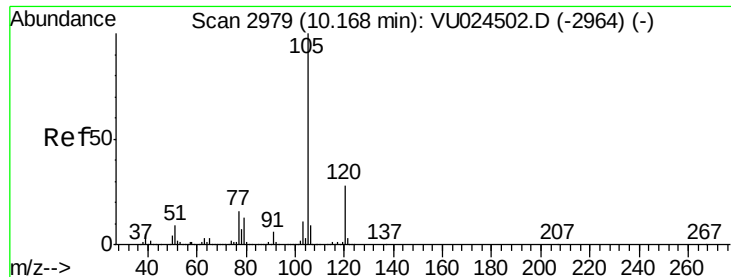


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.014 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

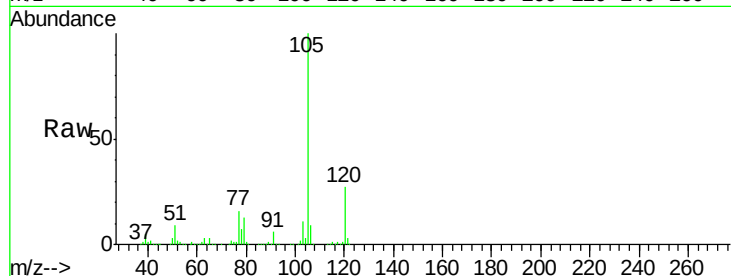
VSTDCCC050

Tot Ion:105 Resp: 609565

Ion Ratio Lower Upper

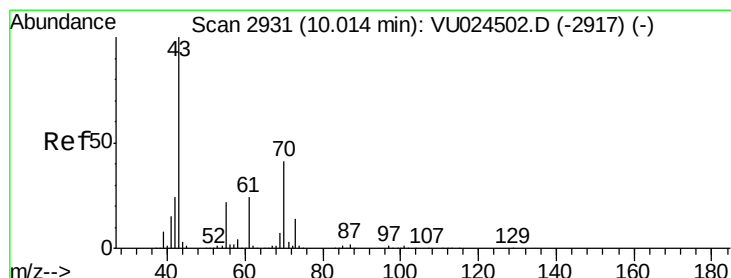
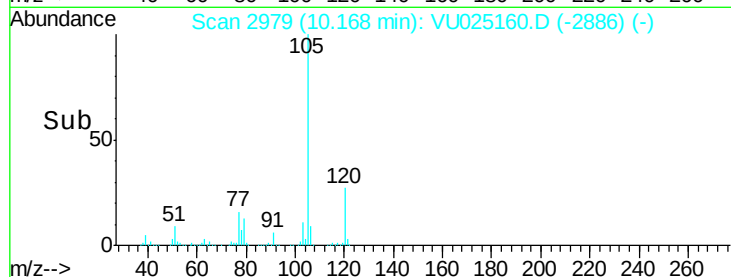
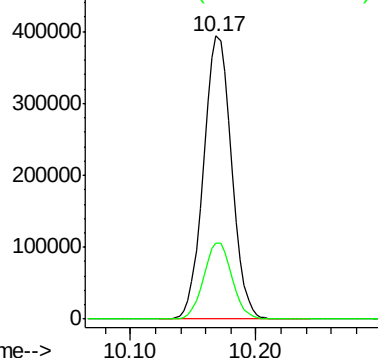
105 100

120 27.2 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: 52.265 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion: 43 Resp: 275449

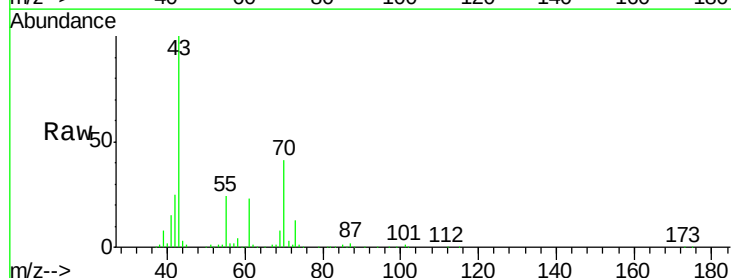
Ion Ratio Lower Upper

43 100

70 41.5 32.2 48.4

55 23.9 20.5 30.7

61 23.2 18.7 28.1

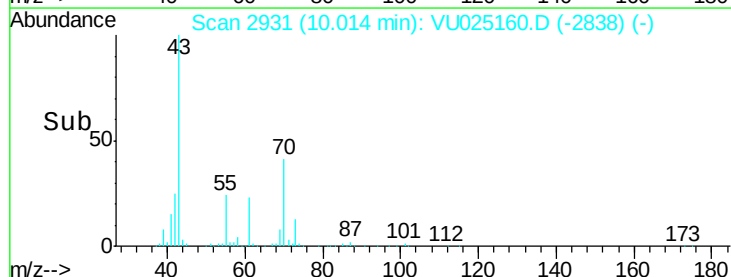
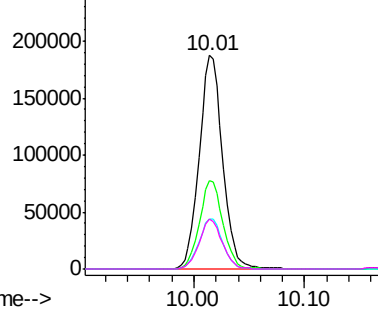


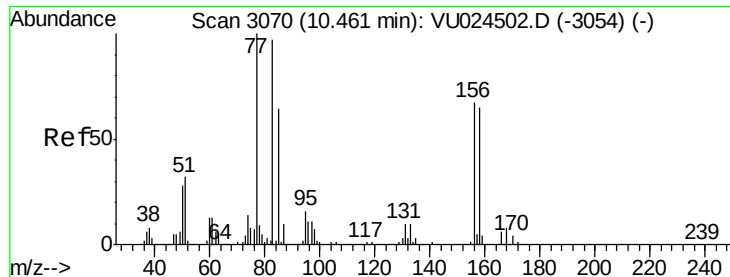
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 57.826 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

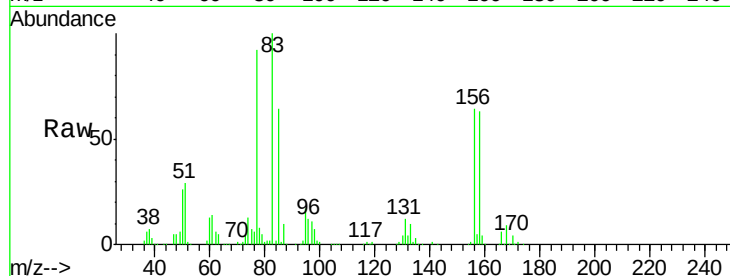
Tot Ion: 83 Resp: 214706

Ion Ratio Lower Upper

83 100

131 11.2 4.7 14.1

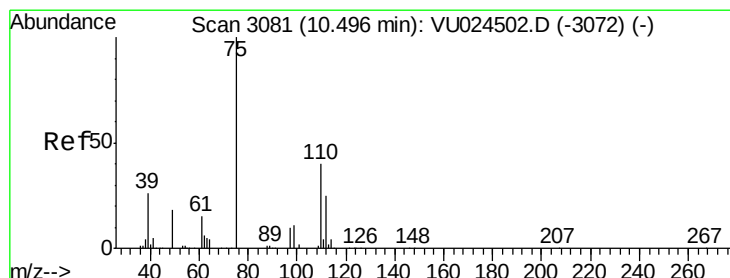
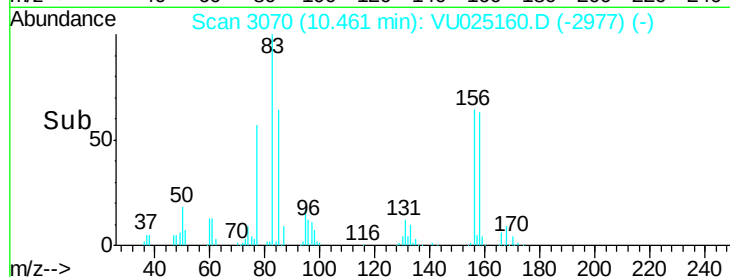
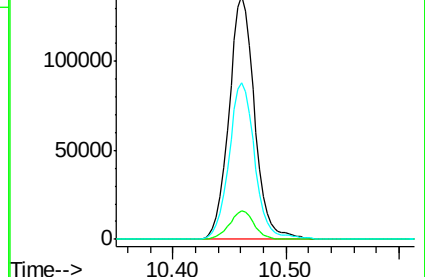
85 65.0 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025160.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025160.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025160.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 78.189 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025160.D

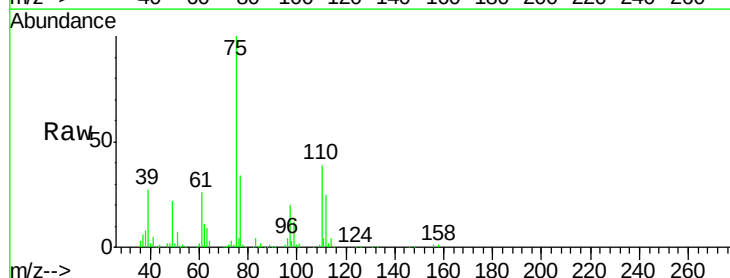
Acq: 02 Jul 2018 22:32

Tgt Ion: 75 Resp: 248434

Ion Ratio Lower Upper

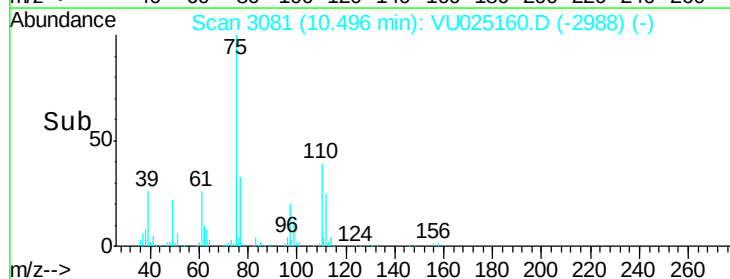
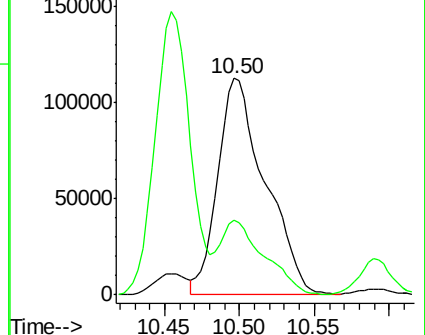
75 100

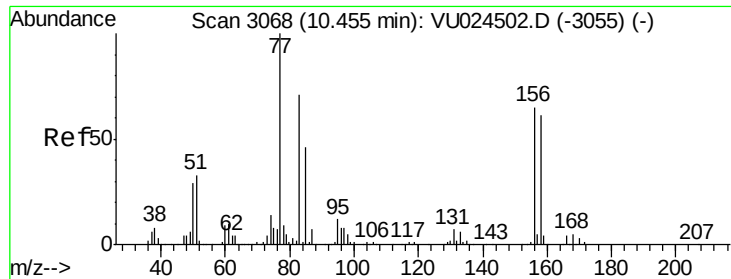
77 30.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025160.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025160.D (-2988) (-)





#77

Bromobenzene

Concen: 55.998 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

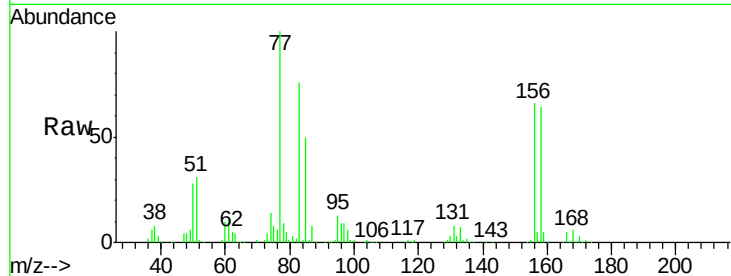
Tot Ion:156 Resp: 157079

Ion Ratio Lower Upper

156 100

77 152.1 80.5 241.3

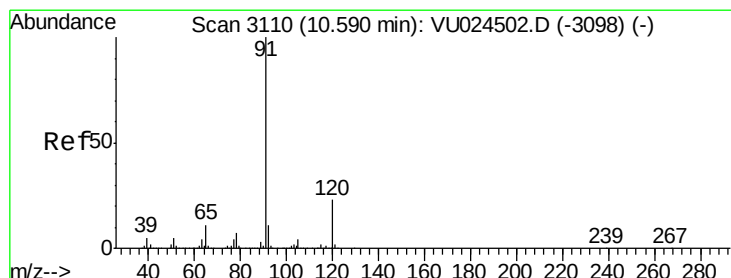
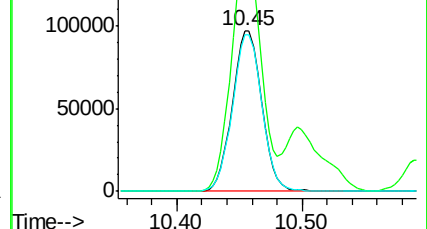
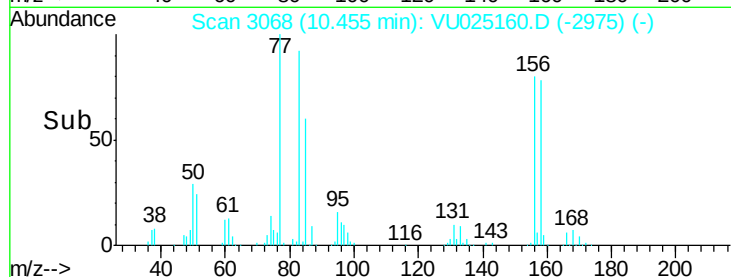
158 98.3 48.2 144.6



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: 52.961 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025160.D

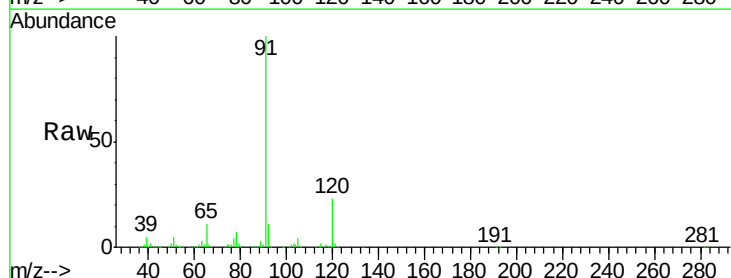
Acq: 02 Jul 2018 22:32

Tgt Ion: 91 Resp: 691262

Ion Ratio Lower Upper

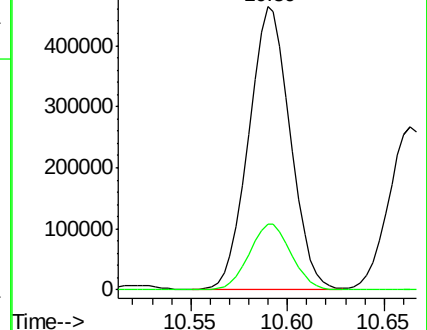
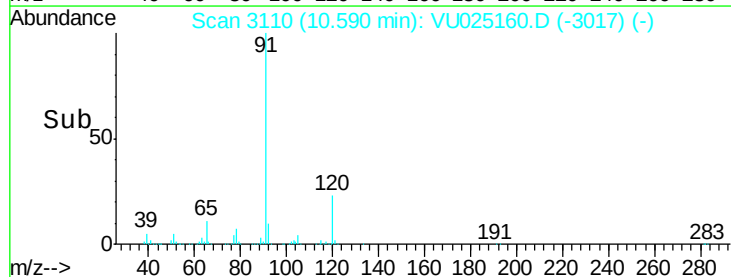
91 100

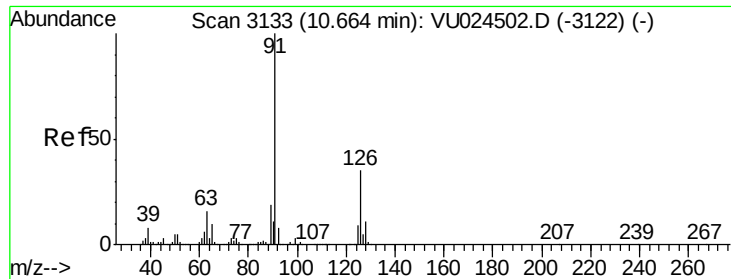
120 23.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.493 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

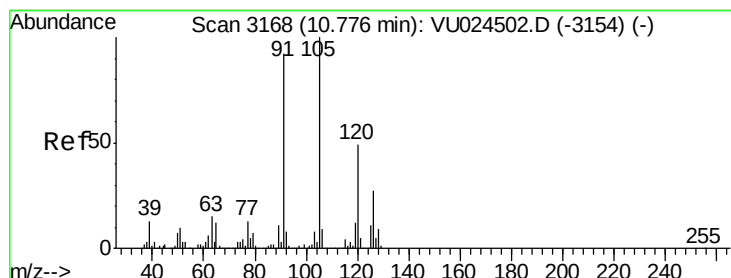
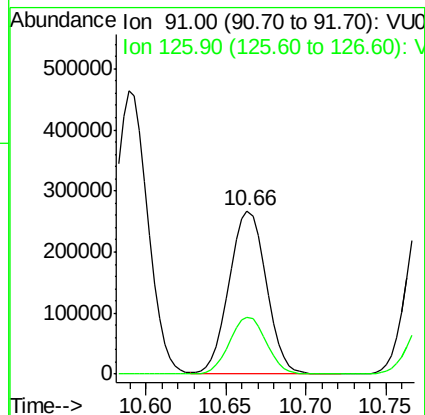
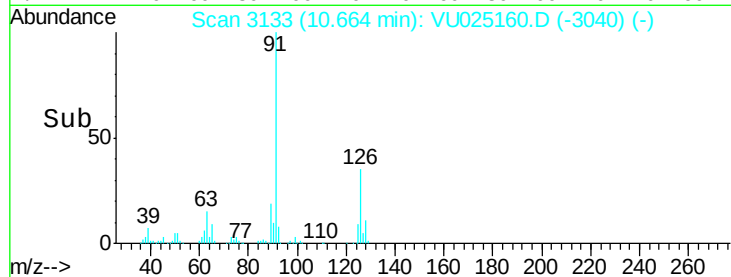
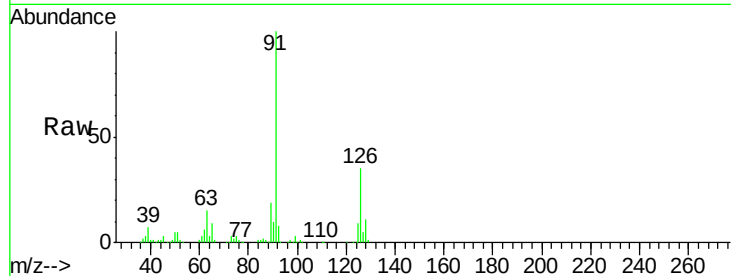
VSTDCCC050

Tot Ion: 91 Resp: 419439

Ion Ratio Lower Upper

91 100

126 34.9 16.9 50.7



#80

1,3,5-Trimethylbenzene

Concen: 55.327 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025160.D

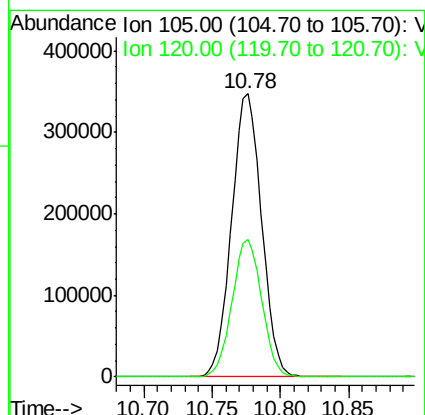
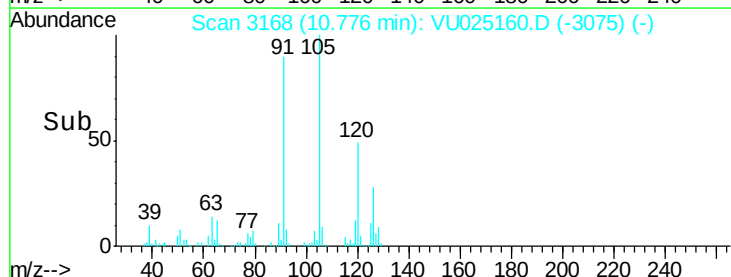
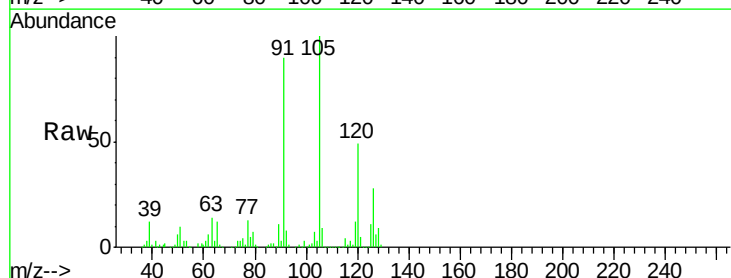
Acq: 02 Jul 2018 22:32

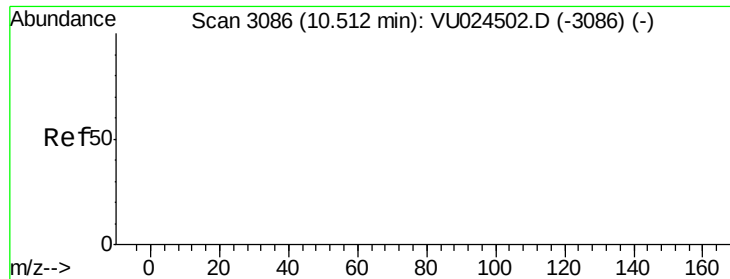
Tgt Ion: 105 Resp: 531343

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 180.962 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. -0.02 min

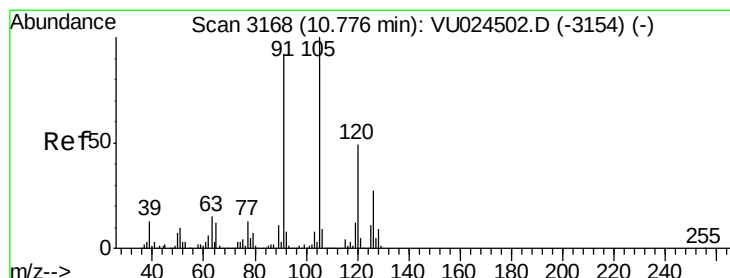
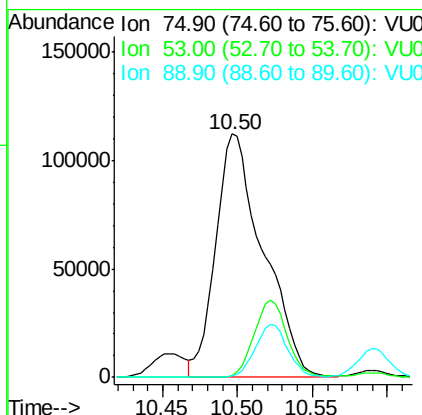
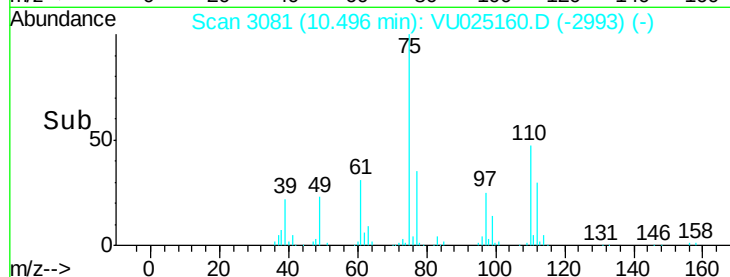
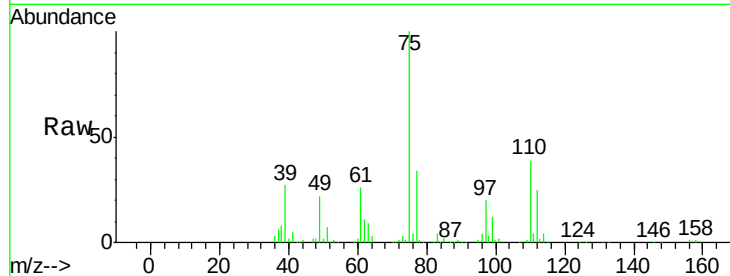
Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 248434

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 54.120 ug/l

RT: 10.78 min Scan# 3168

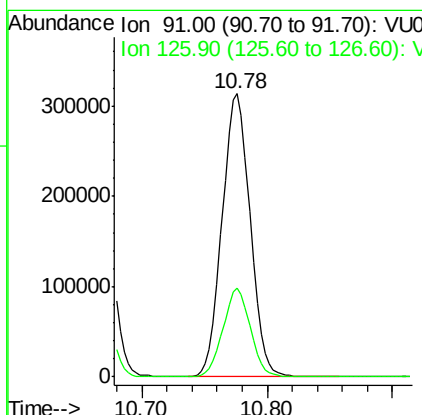
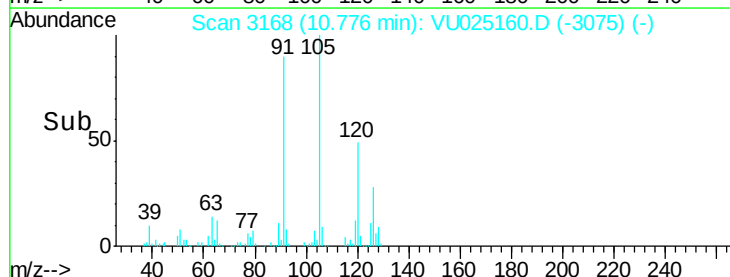
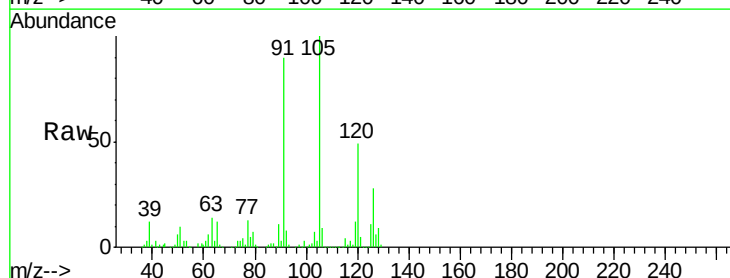
Delta R.T. -0.00 min

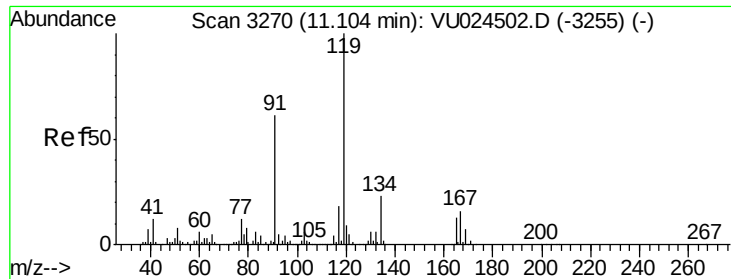
Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion: 91 Resp: 484850

Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.9	44.9

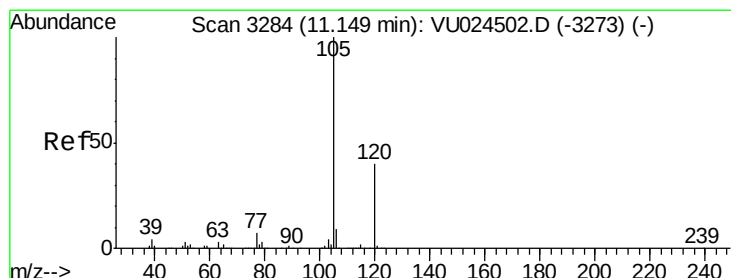
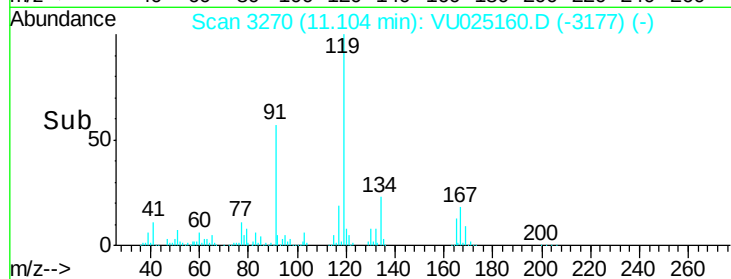
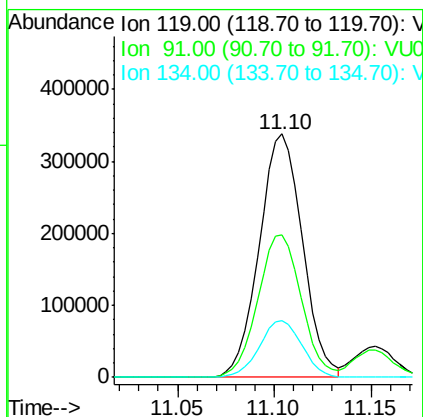
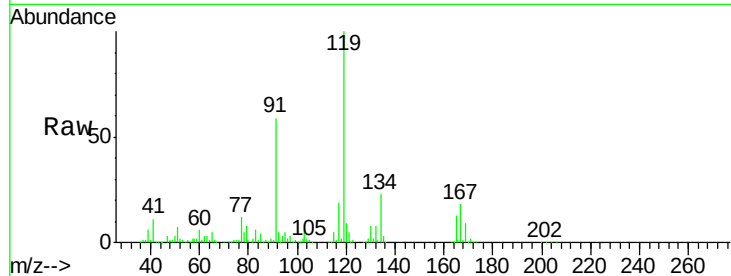




#83
 tert-Butylbenzene
 Concen: 56.806 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

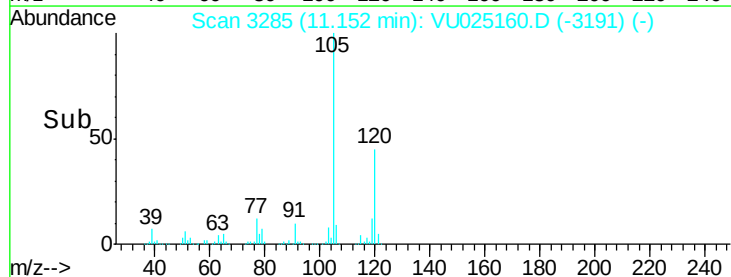
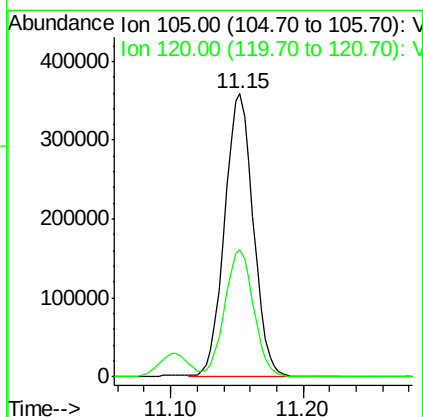
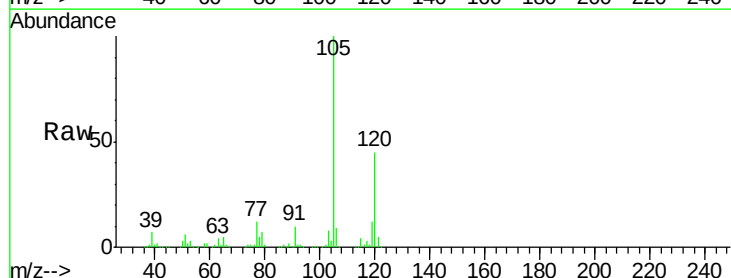
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

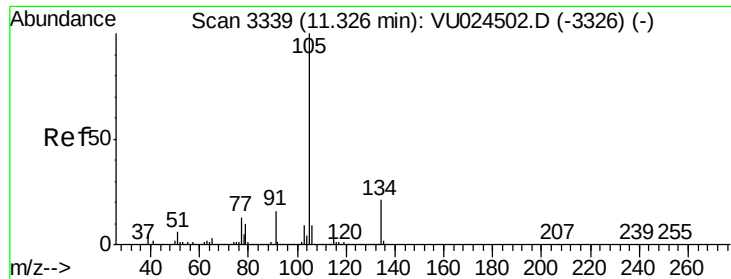
Tot Ion:119 Resp: 524773
 Ion Ratio Lower Upper
 119 100
 91 59.2 29.7 89.1
 134 23.1 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 54.920 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion:105 Resp: 537503
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.8





#85

sec-Butylbenzene

Concen: 54.228 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

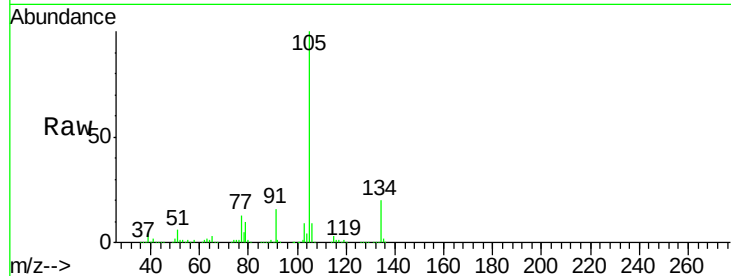
VSTDCCC050

Tot Ion:105 Resp: 627063

Ion Ratio Lower Upper

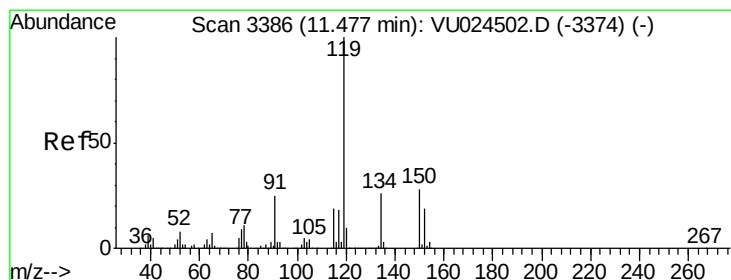
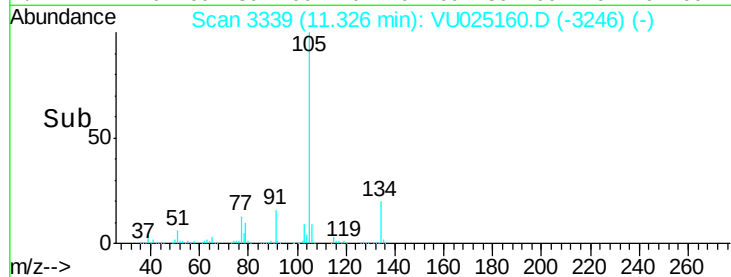
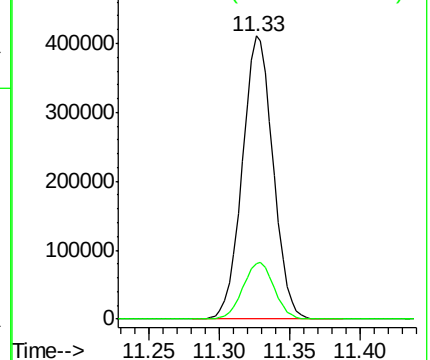
105 100

134 20.3 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: 53.759 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

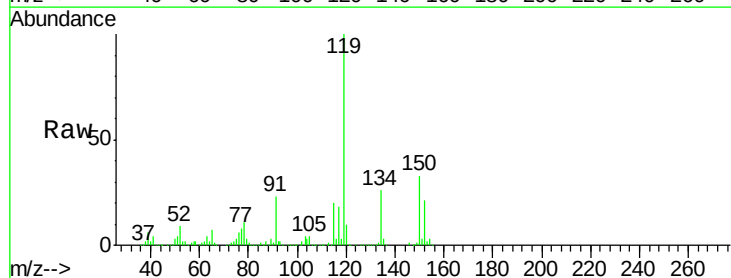
Tgt Ion:119 Resp: 556748

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

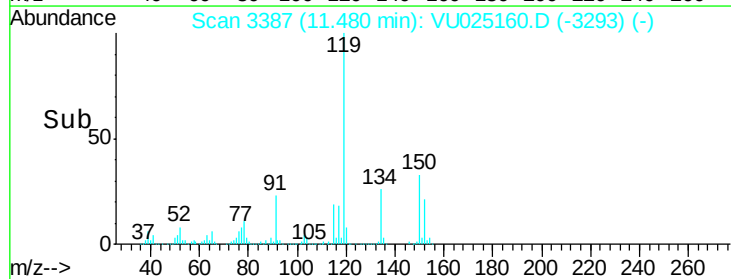
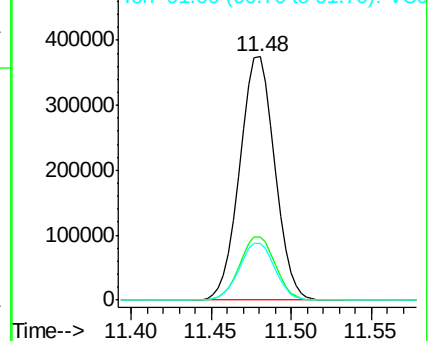
91 23.9 12.0 36.1

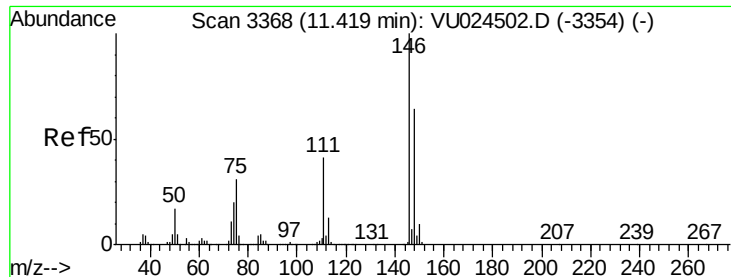


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 54.768 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

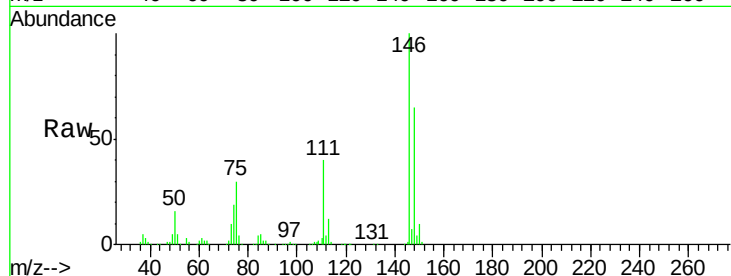
Tot Ion:146 Resp: 283831

Ion Ratio Lower Upper

146 100

111 39.9 20.0 60.0

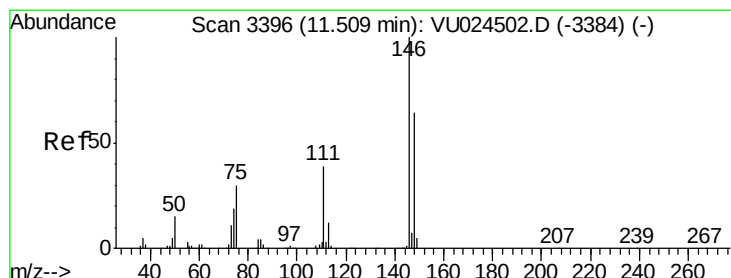
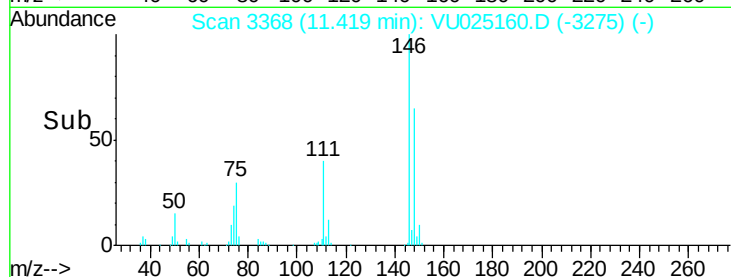
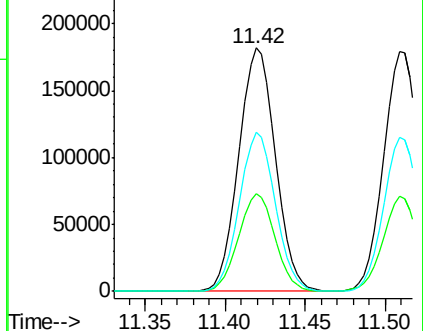
148 64.4 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 54.102 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

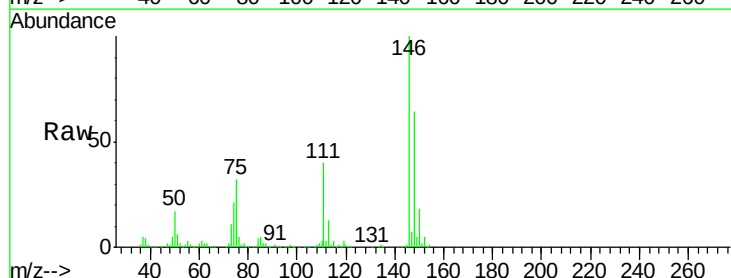
Tgt Ion:146 Resp: 282200

Ion Ratio Lower Upper

146 100

111 39.2 19.5 58.5

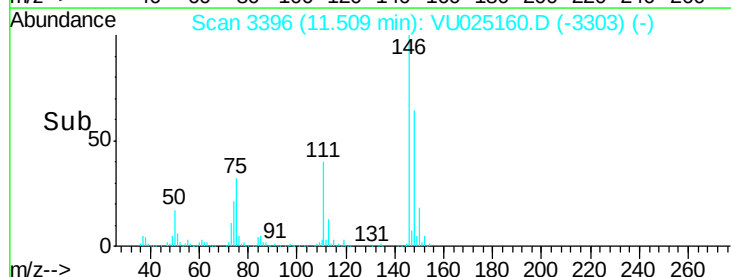
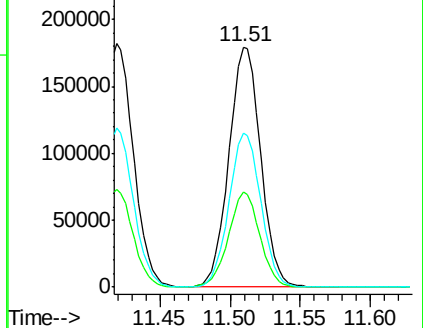
148 64.7 32.4 97.0

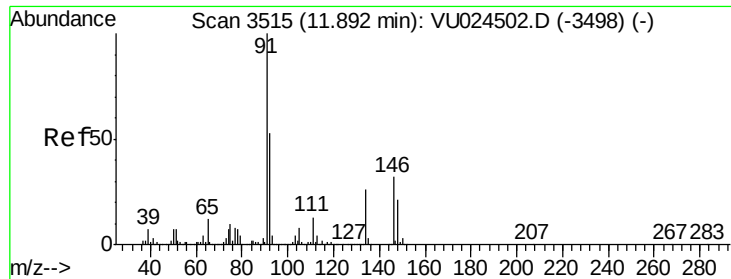


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 47.953 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

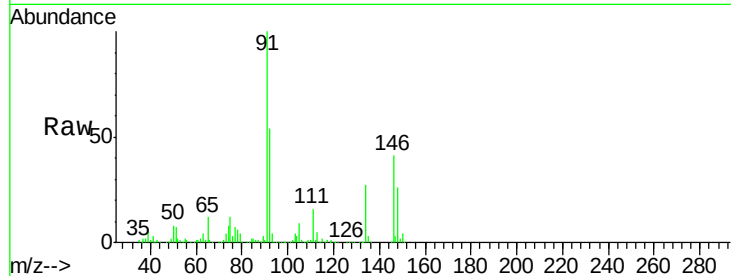
Tot Ion: 91 Resp: 440911

Ion Ratio Lower Upper

91 100

92 53.9 25.6 76.8

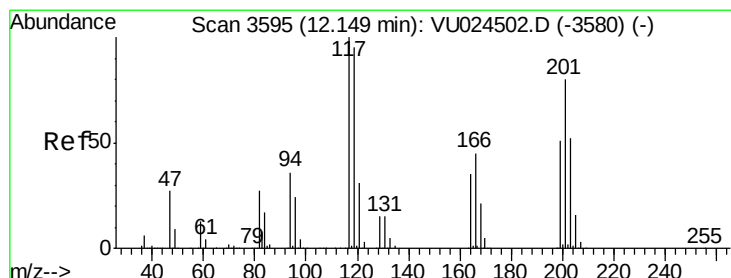
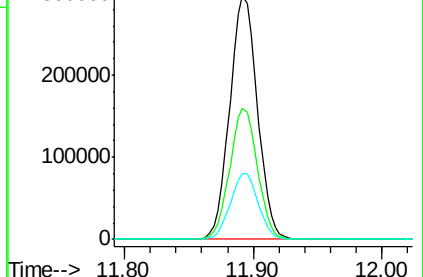
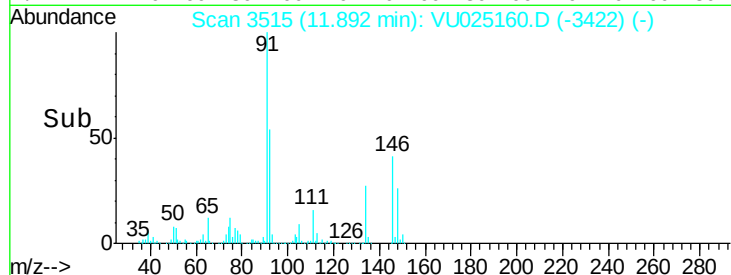
134 27.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VU025160.D (-3422) (-)

Ion 92.00 (91.70 to 92.70): VU025160.D (-3422) (-)

Ion 134.00 (133.70 to 134.70): VU025160.D (-3422) (-)



#90

Hexachloroethane

Concen: 48.952 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU025160.D

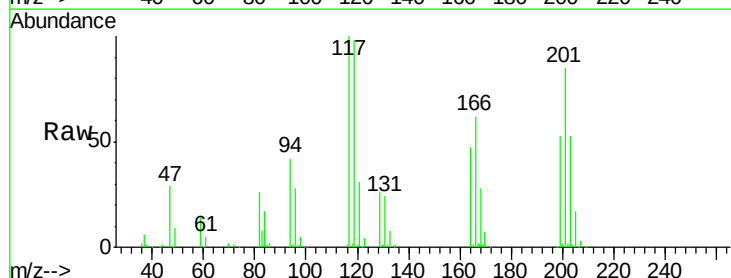
Acq: 02 Jul 2018 22:32

Tgt Ion: 117 Resp: 98898

Ion Ratio Lower Upper

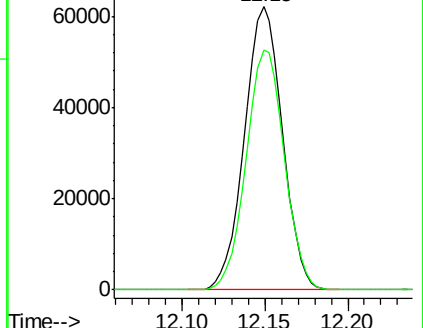
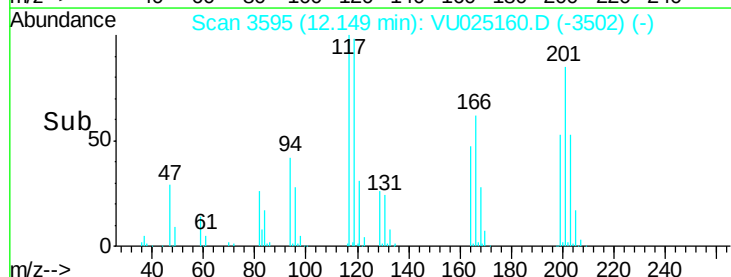
117 100

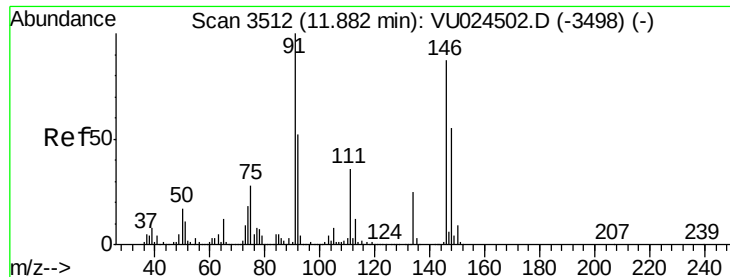
201 85.2 41.1 123.3



Abundance Ion 116.80 (116.50 to 117.50): VU025160.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU025160.D (-3502) (-)

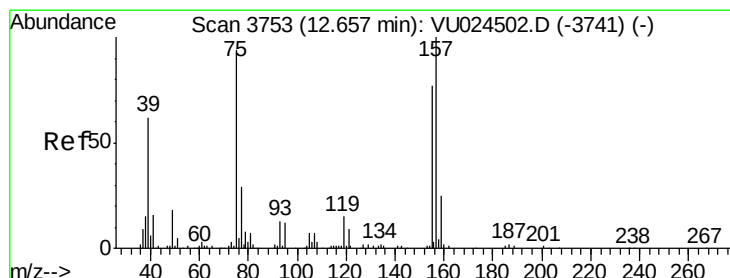
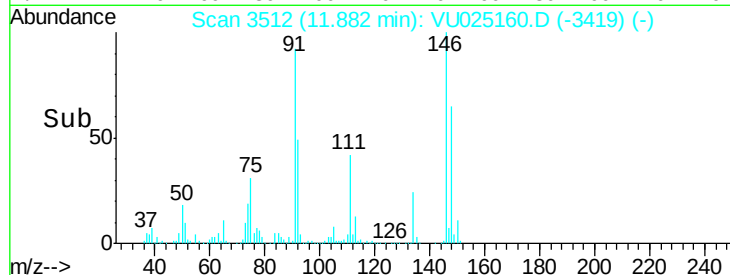
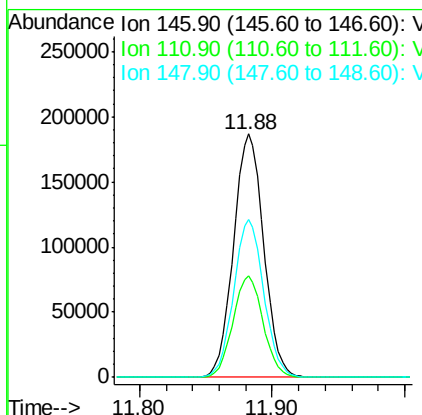
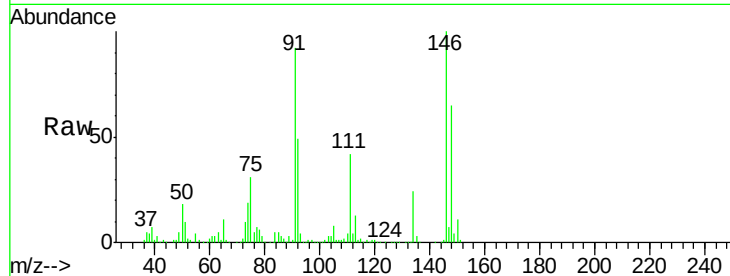




#91
 1,2-Dichlorobenzene
 Concen: 56.772 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

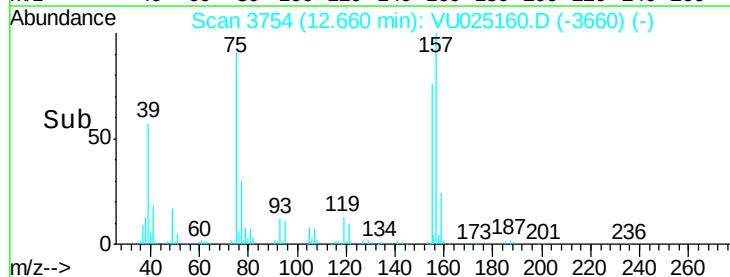
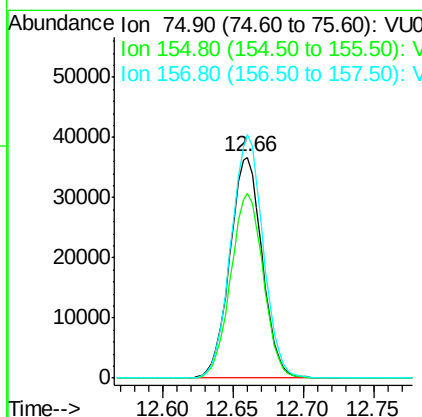
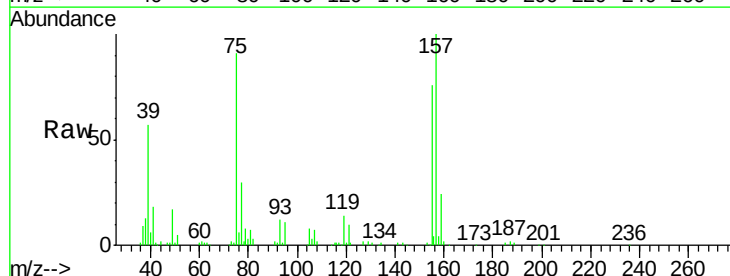
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

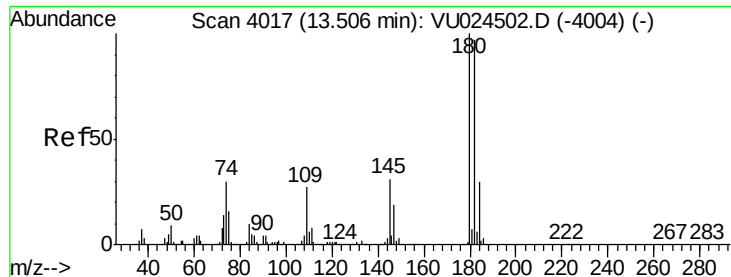
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.6	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.551 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	40.4	121.2
157	109.4	52.3	156.8

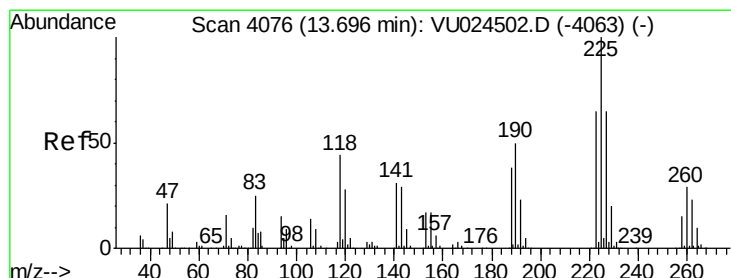
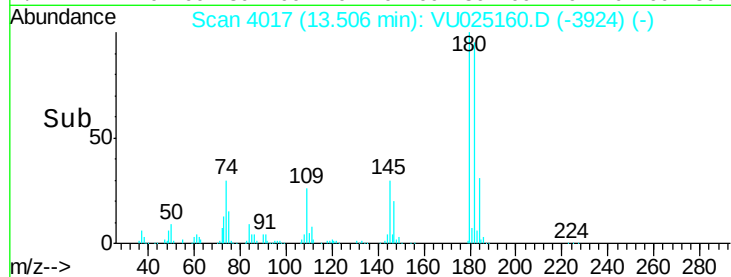
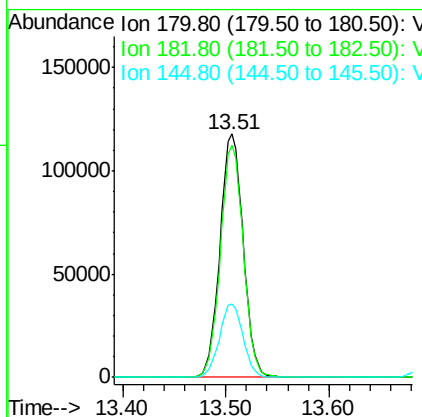
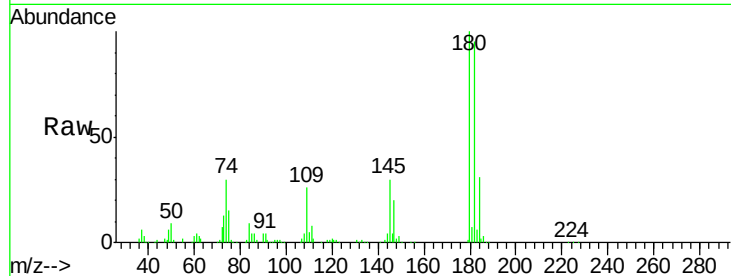




#93
 1,2,4-Trichlorobenzene
 Concen: 57.573 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

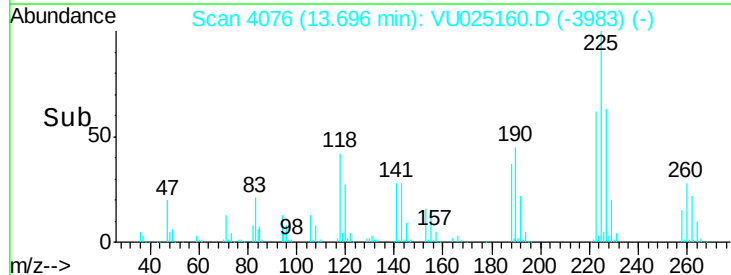
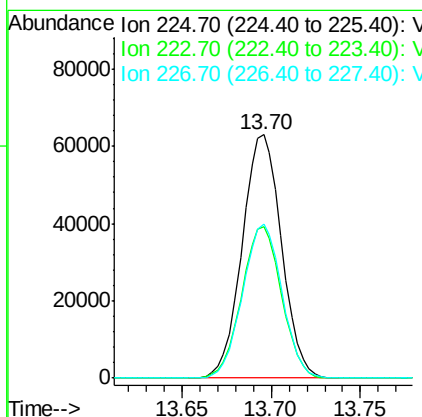
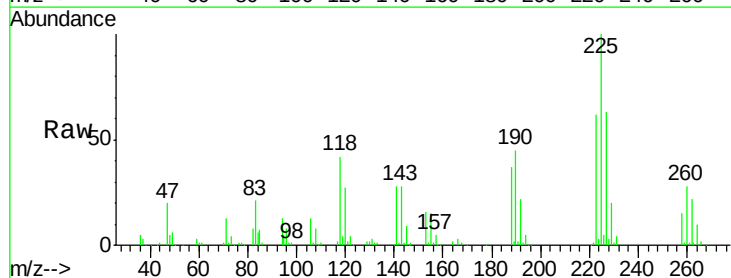
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

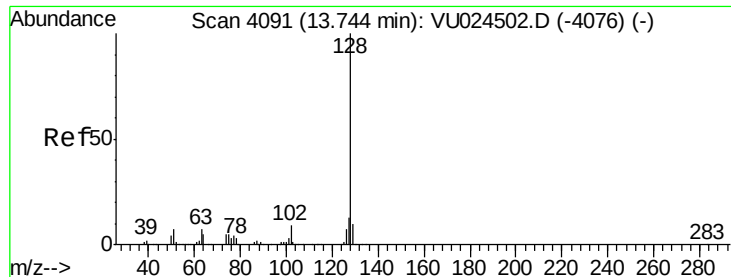
Tot Ion:180 Resp: 184547
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.0 144.2
 145 30.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 53.644 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion:225 Resp: 96785
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 63.3 31.8 95.4





#95

Naphthalene

Concen: 58.667 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

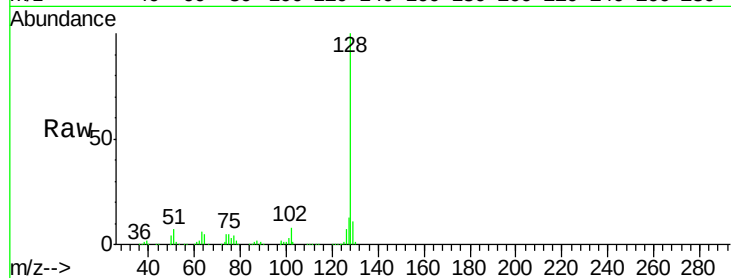
Tot Ion:128 Resp: 623820

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

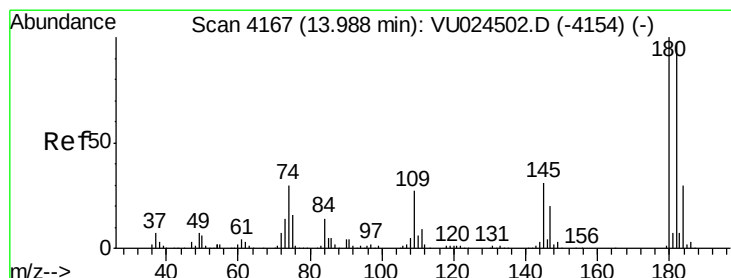
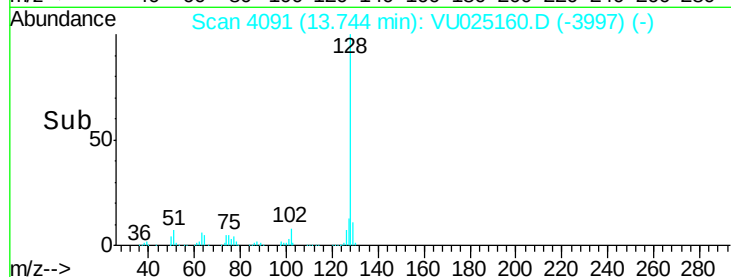
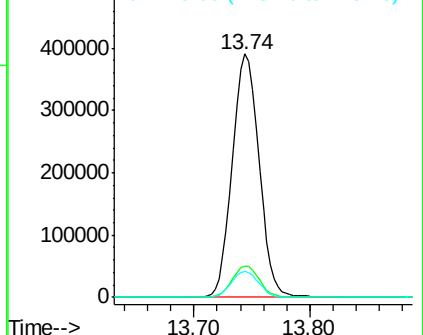
129 10.8 8.6 12.8



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: 60.941 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

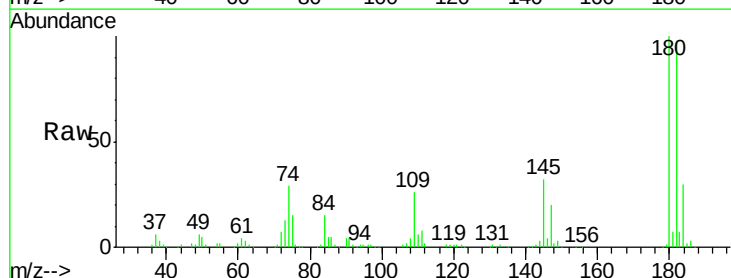
Tgt Ion:180 Resp: 194649

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 31.9 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

