

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025036.D
 Acq On : 28 Jun 2018 21:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 29 05:12:11 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	184365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284251	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165349	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	145440	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	4.89	113	117821	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	7.57	98	388390	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
62) 4-Bromofluorobenzene	10.31	95	165644	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	97752	42.360	ug/l	100
3) Chloromethane	1.33	50	106828	45.312	ug/l	100
4) Vinyl Chloride	1.40	62	115248	47.400	ug/l	97
5) Bromomethane	1.61	94	71349	60.704	ug/l	96
6) Chloroethane	1.69	64	73730	54.360	ug/l	99
7) Trichlorofluoromethane	1.88	101	189106	50.965	ug/l	99
8) Diethyl Ether	2.10	74	69464	55.206	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	112434	48.842	ug/l	98
10) Methyl Iodide	2.41	142	129570	64.763	ug/l	97
11) Tert butyl alcohol	2.83	59	181545	248.009	ug/l	99
12) 1,1-Dichloroethene	2.28	96	103955	49.520	ug/l	96
13) Acrolein	2.19	56	40951	106.533	ug/l	98
14) Allyl chloride	2.59	41	182850	46.911	ug/l	100
15) Acrylonitrile	2.93	53	370912	260.434	ug/l	99
16) Acetone	2.32	43	350487	216.730	ug/l	98
17) Carbon Disulfide	2.48	76	295848	44.012	ug/l	99
18) Methyl Acetate	2.62	43	219279	63.250	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	424783	53.831	ug/l	95
20) Methylene Chloride	2.70	84	127415	50.214	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	116353	50.323	ug/l	98
22) Diisopropyl ether	3.57	45	404221	52.314	ug/l	94
23) Vinyl Acetate	3.53	43	1697259	245.213	ug/l	98
24) 1,1-Dichloroethane	3.45	63	230906	51.948	ug/l	99
25) 2-Butanone	4.26	43	542801	249.884	ug/l	95
26) 2,2-Dichloropropane	4.23	77	188316	44.617	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	140181	52.736	ug/l	97
28) Bromochloromethane	4.55	49	87567	44.726	ug/l	84
29) Tetrahydrofuran	4.63	42	341230	253.668	ug/l	96
30) Chloroform	4.68	83	242833	53.974	ug/l	99
31) Cyclohexane	5.00	56	203877	51.718	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	224821	54.038	ug/l	96
36) 1,1-Dichloropropene	5.14	75	171134	51.235	ug/l	96
37) Ethyl Acetate	4.38	43	199446	54.785	ug/l	97
38) Carbon Tetrachloride	5.14	117	196366	53.461	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	211913	50.840	ug/l	95
40) Benzene	5.39	78	505549	53.117	ug/l	99
41) Methacrylonitrile	4.54	41	111965	57.042	ug/l	98
42) 1,2-Dichloroethane	5.41	62	208781	57.596	ug/l	100
43) Isopropyl Acetate	5.55	43	322299	51.217	ug/l	99
44) Trichloroethene	6.19	130	139604	51.539	ug/l	97
45) 1,2-Dichloropropane	6.44	63	135155	53.220	ug/l	99
46) Dibromomethane	6.56	93	96566	54.135	ug/l	94
47) Bromodichloromethane	6.76	83	186021	52.370	ug/l	99
48) Methyl methacrylate	6.62	41	166484	54.331	ug/l	98
49) 1,4-Dioxane	6.62	88	72308	1206.640	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1041188	263.359	ug/l	98
52) Toluene	7.64	92	325334	53.130	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	202174	50.683	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	211409	49.737	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	133817	53.762	ug/l	99
56) Ethyl methacrylate	8.02	69	212061	50.902	ug/l	98
57) 1,3-Dichloropropane	8.25	76	227890	54.275	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	62767	39.327	ug/l	96
59) 2-Hexanone	8.36	43	839914	260.225	ug/l	99
60) Dibromochloromethane	8.48	129	156233	50.335	ug/l	99
61) 1,2-Dibromoethane	8.59	107	149148	53.836	ug/l	99
64) Tetrachloroethene	8.23	164	135088	53.071	ug/l	99
65) Chlorobenzene	9.12	112	374714	54.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141875	54.587	ug/l	97
67) Ethyl Benzene	9.25	91	648764	54.096	ug/l	98
68) m/p-Xylenes	9.38	106	506220	109.922	ug/l	98
69) o-Xylene	9.78	106	254149	55.763	ug/l	96
70) Styrene	9.80	104	405771	54.177	ug/l	98
71) Bromoform	9.96	173	124255	50.298	ug/l #	99
73) Isopropylbenzene	10.17	105	680680	53.619	ug/l	98
74) N-amyl acetate	10.01	43	292230	48.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	228525	53.719	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	266688	73.258	ug/l	82
77) Bromobenzene	10.45	156	176768	55.002	ug/l	93
78) n-propylbenzene	10.59	91	767278	51.308	ug/l	97
79) 2-Chlorotoluene	10.66	91	467203	52.978	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	589357	53.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	266688	169.550	ug/l #	100
82) 4-Chlorotoluene	10.78	91	542261	52.830	ug/l	99
83) tert-Butylbenzene	11.10	119	583229	55.103	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	601225	53.617	ug/l	100
85) sec-Butylbenzene	11.33	105	698812	52.746	ug/l	98
86) p-Isopropyltoluene	11.48	119	621101	52.344	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	320471	53.973	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	319402	53.445	ug/l	99
89) n-Butylbenzene	11.89	91	505498	47.985	ug/l	98
90) Hexachloroethane	12.15	117	109756	47.417	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	331878	55.803	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	61495	52.389	ug/l	94

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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)
93) 1,2,4-Trichlorobenzene	13.51	180	210695	57.370	ug/l	99
94) Hexachlorobutadiene	13.70	225	110654	53.530	ug/l	99
95) Naphthalene	13.74	128	692704	56.880	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	217730	59.497	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: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

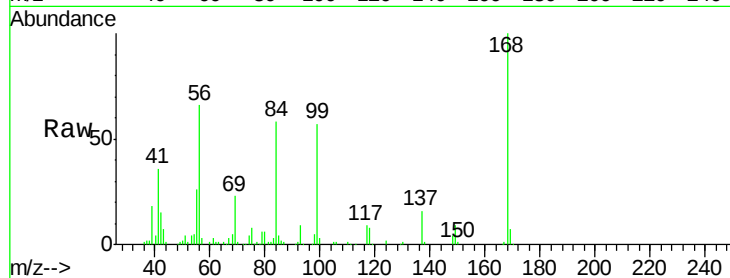
VSTDCCC050

Tgt Ion:168 Resp: 184365

Ion Ratio Lower Upper

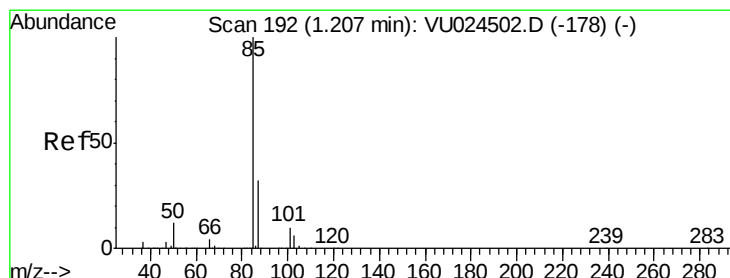
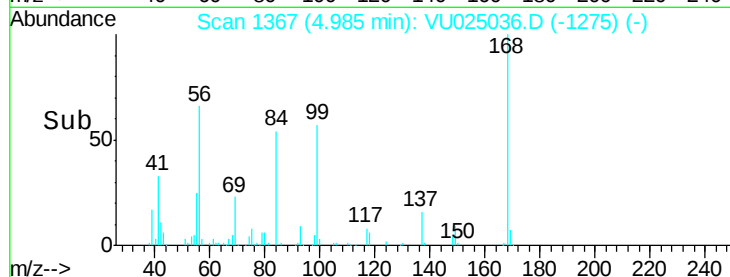
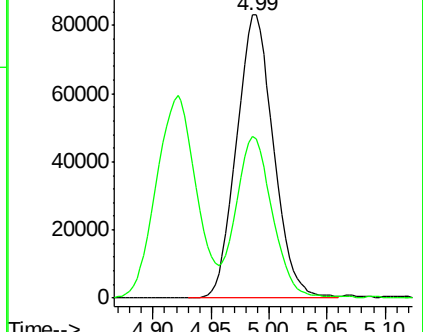
168 100

99 56.7 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: 42.360 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025036.D

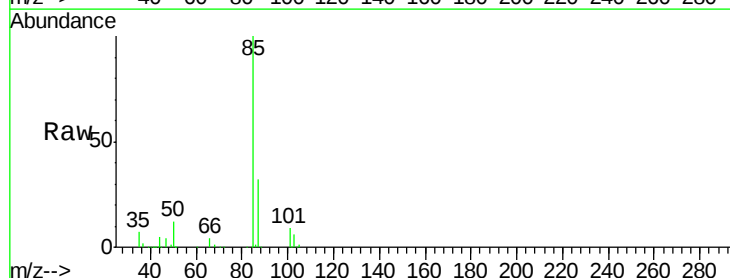
Acq: 28 Jun 2018 21:57

Tgt Ion: 85 Resp: 97752

Ion Ratio Lower Upper

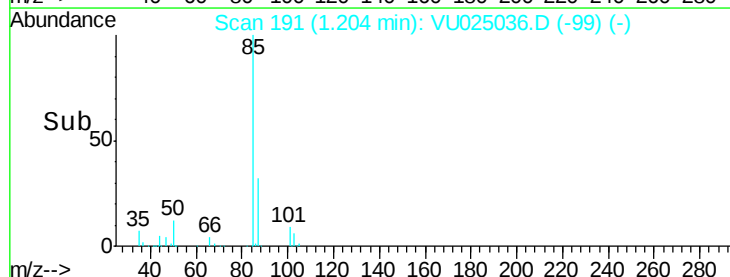
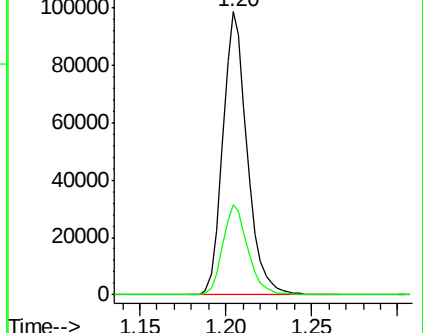
85 100

87 31.8 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: 45.312 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

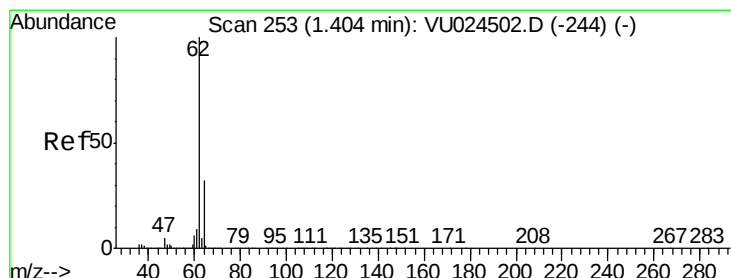
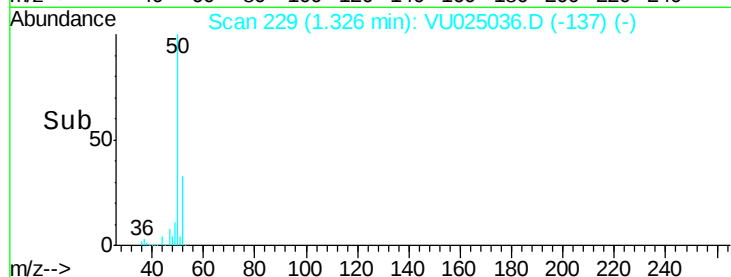
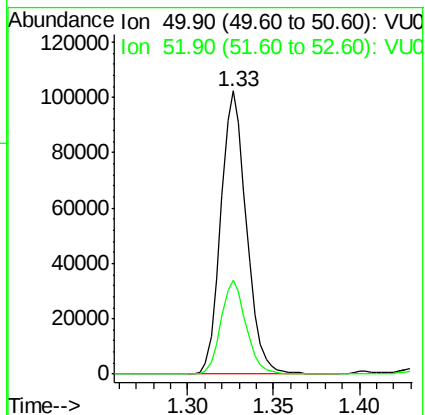
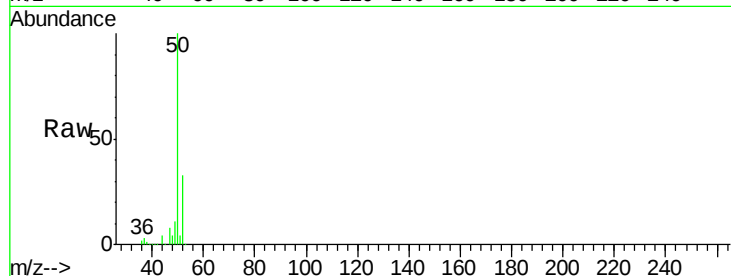
VSTDCCC050

Tgt Ion: 50 Resp: 106828

Ion Ratio Lower Upper

50 100

52 33.1 26.4 39.6



#4

Vinyl Chloride

Concen: 47.400 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025036.D

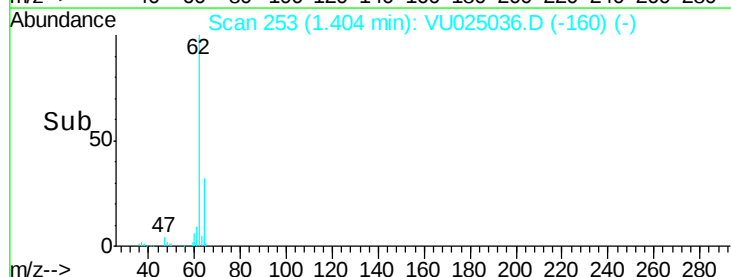
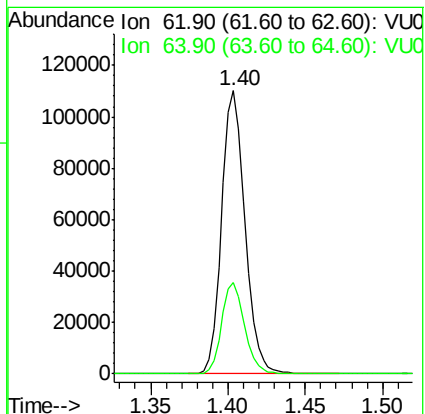
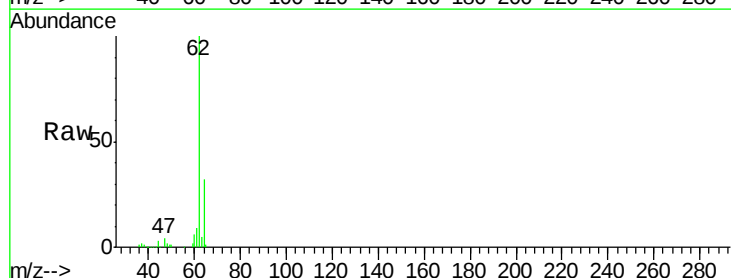
Acq: 28 Jun 2018 21:57

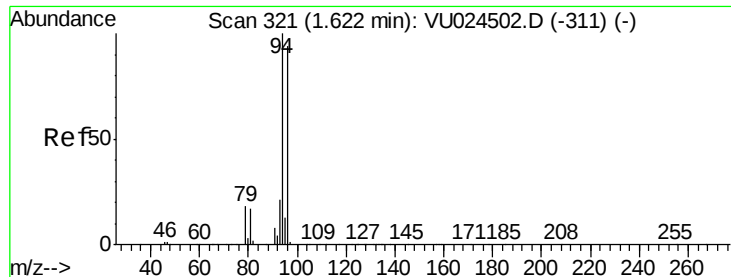
Tgt Ion: 62 Resp: 115248

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 60.704 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

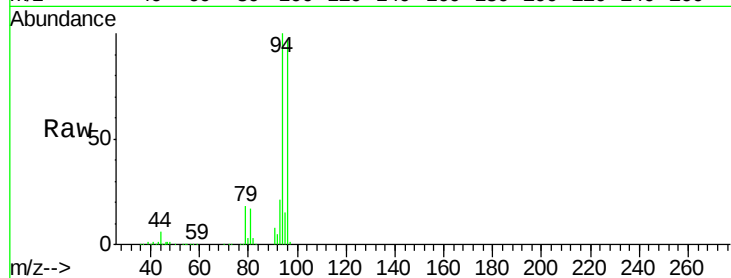
VSTDCCC050

Tgt Ion: 94 Resp: 71349

Ion Ratio Lower Upper

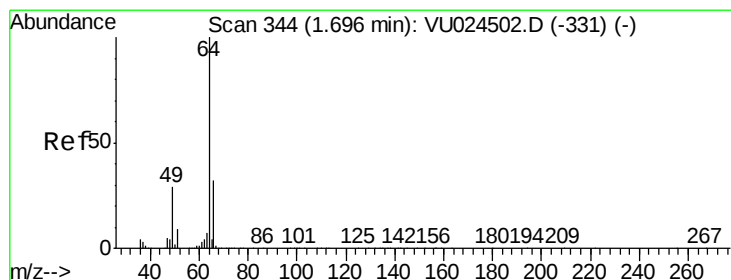
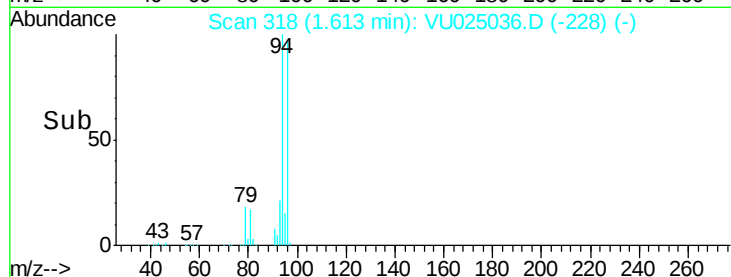
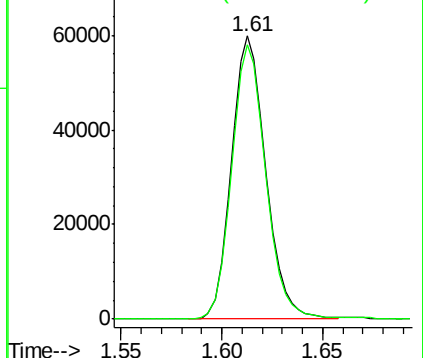
94 100

96 97.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 54.360 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025036.D

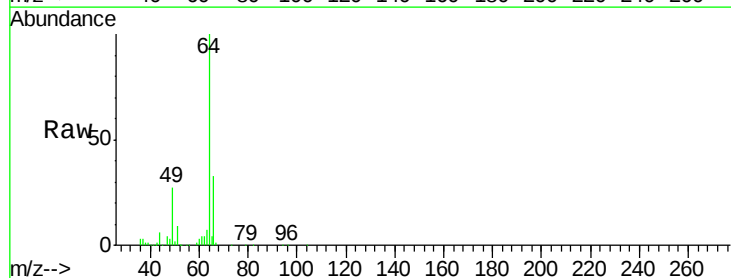
Acq: 28 Jun 2018 21:57

Tgt Ion: 64 Resp: 73730

Ion Ratio Lower Upper

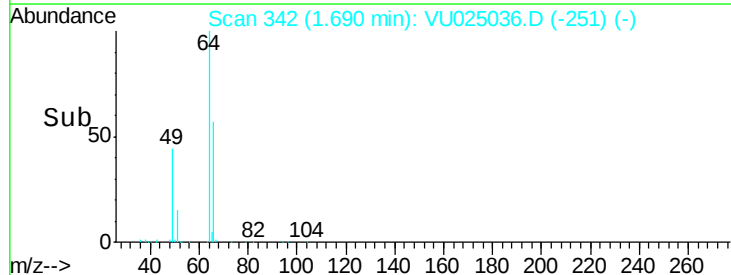
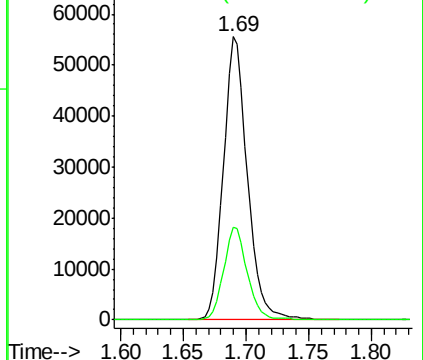
64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



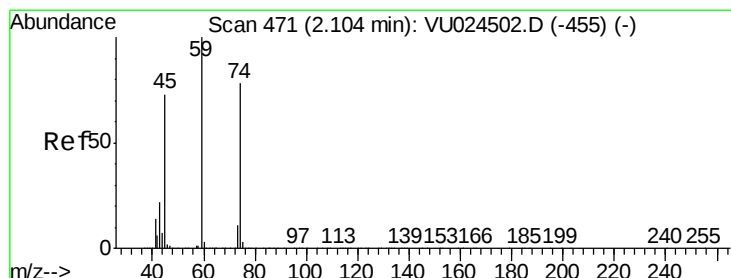
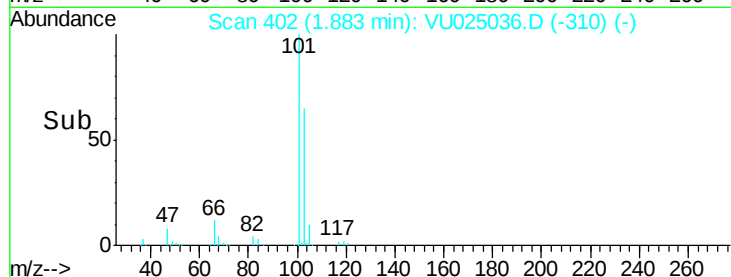
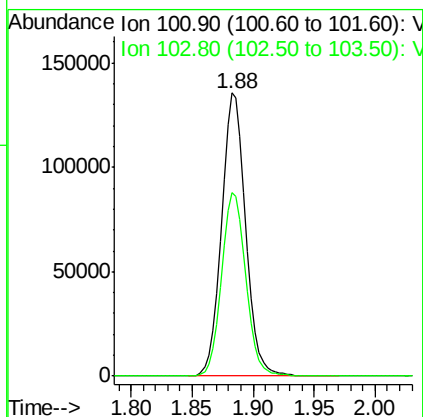
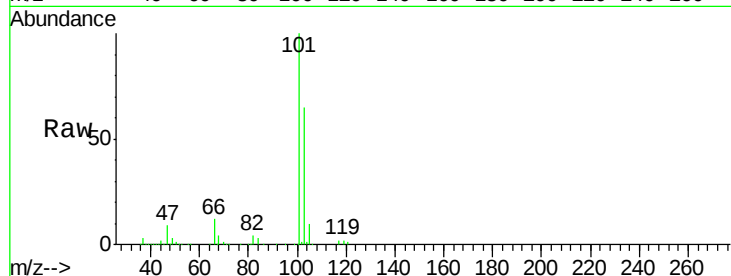


#7

Trichlorofluoromethane
 Concen: 50.965 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

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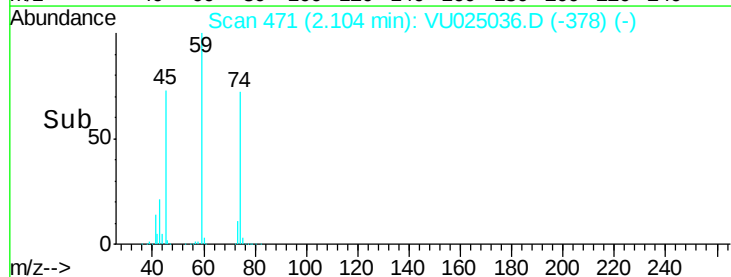
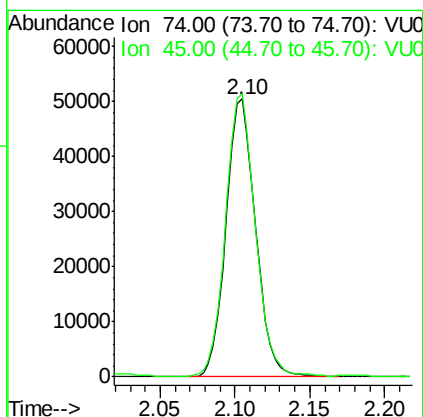
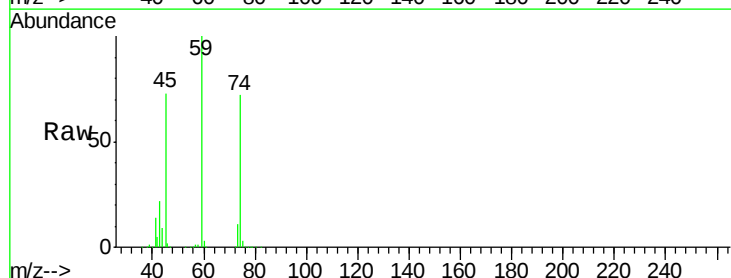
Tgt Ion:101 Resp: 189106
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5



#8

Diethyl Ether
 Concen: 55.206 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 74 Resp: 69464
 Ion Ratio Lower Upper
 74 100
 45 102.1 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.842 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

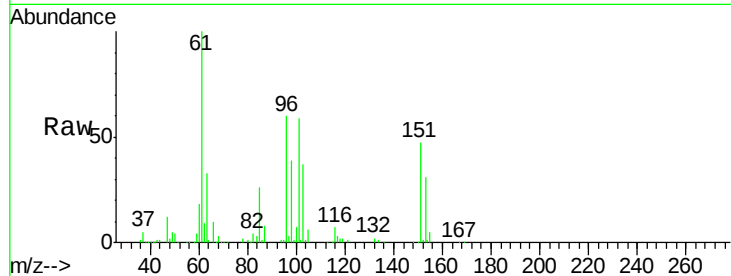
Tgt Ion:101 Resp: 112434

Ion Ratio Lower Upper

101 100

85 45.1 36.0 54.0

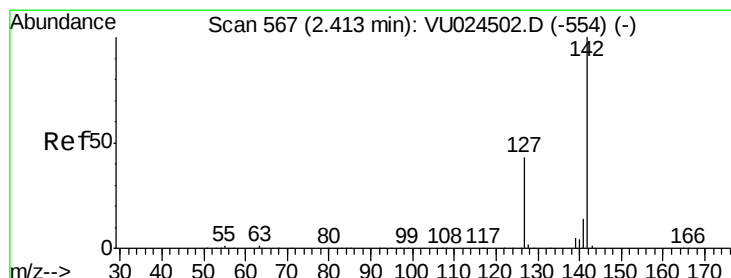
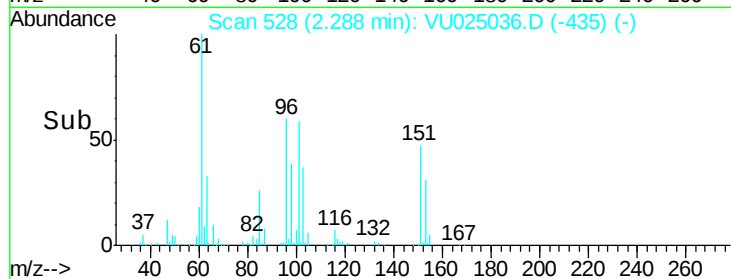
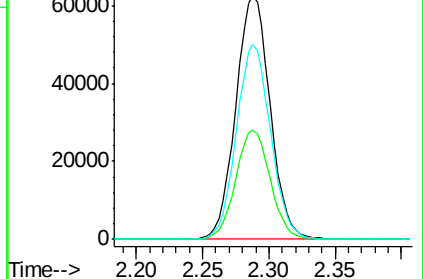
151 80.0 62.3 93.5



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: 64.763 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

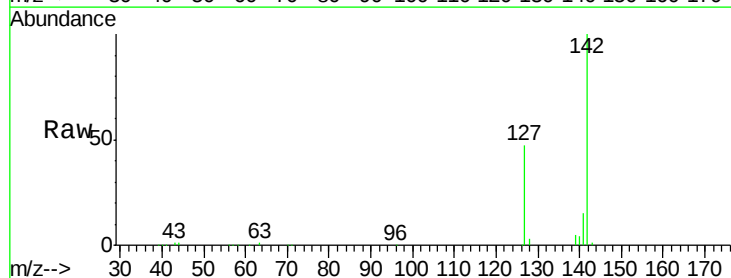
Tgt Ion:142 Resp: 129570

Ion Ratio Lower Upper

142 100

127 46.7 35.6 53.4

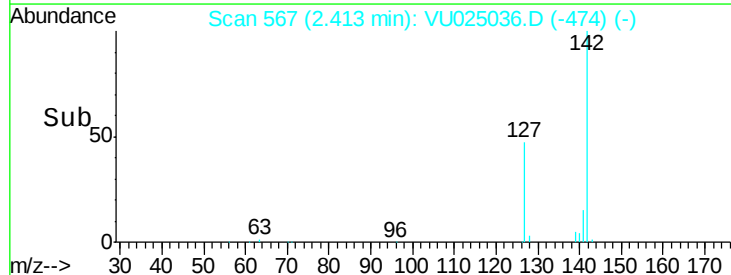
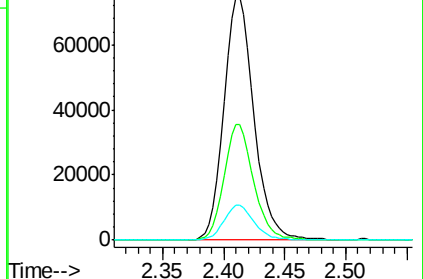
141 14.4 11.7 17.5



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



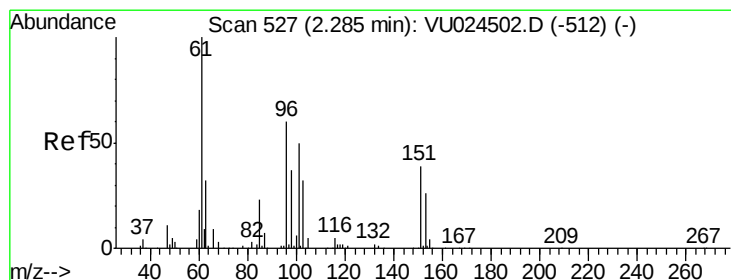
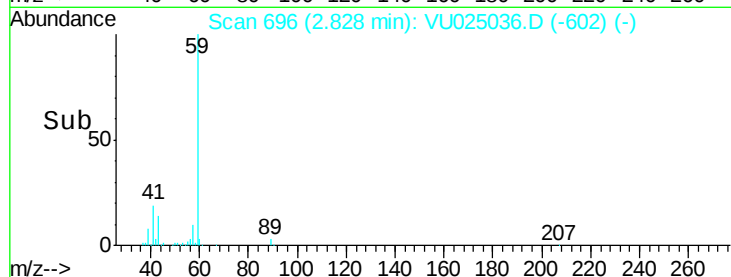
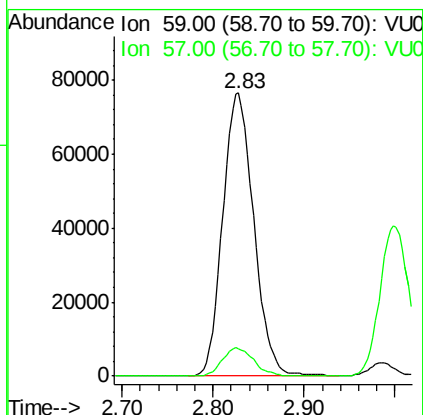
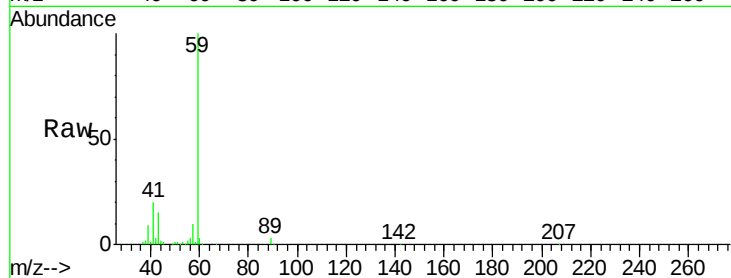


#11

Tert butyl alcohol
 Concen: 248.009 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

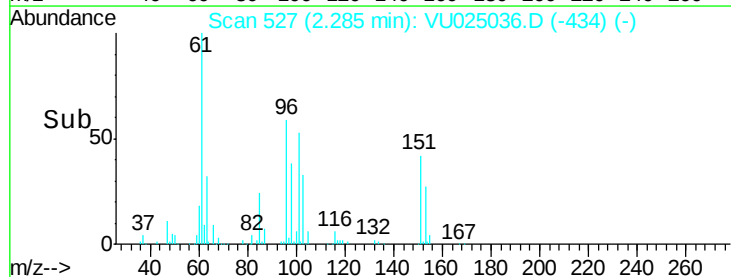
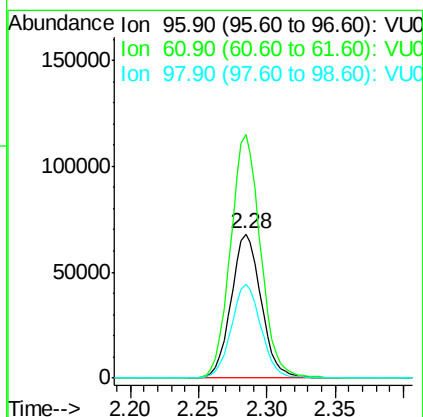
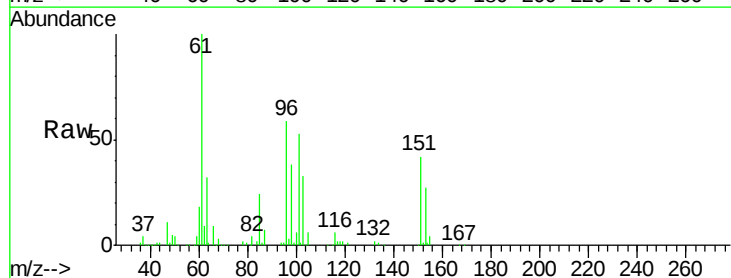
Tgt Ion: 59 Resp: 181545
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

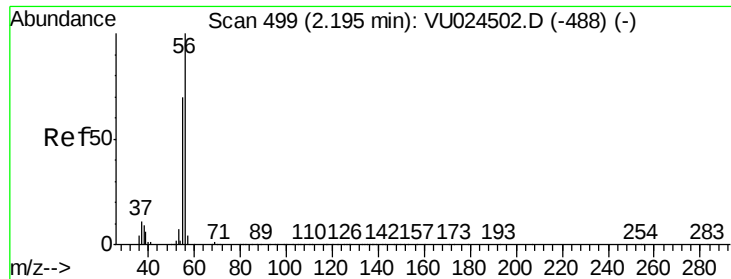


#12

1,1-Dichloroethene
 Concen: 49.520 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 96 Resp: 103955
 Ion Ratio Lower Upper
 96 100
 61 168.9 141.7 212.5
 98 64.7 51.6 77.4





#13

Acrolein

Concen: 106.533 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

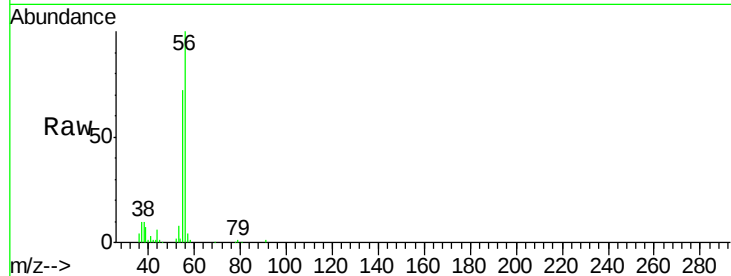
VSTDCCC050

Tgt Ion: 56 Resp: 40951

Ion Ratio Lower Upper

56 100

55 71.4 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

30000

25000

20000

15000

10000

5000

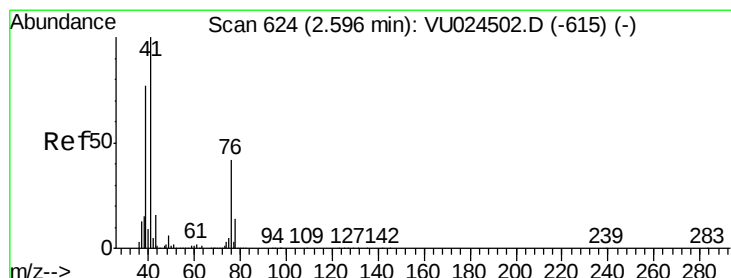
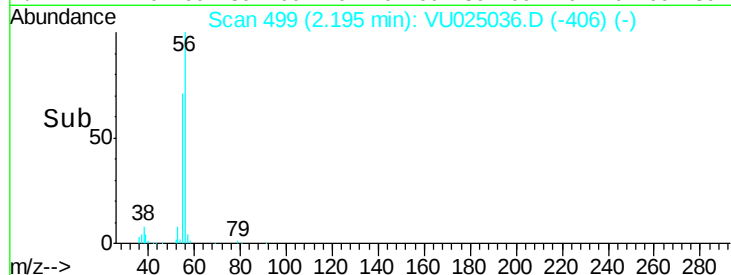
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 46.911 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

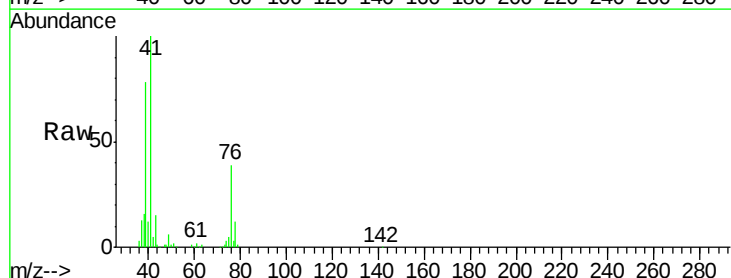
Tgt Ion: 41 Resp: 182850

Ion Ratio Lower Upper

41 100

39 76.9 61.6 92.4

76 37.7 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

100000

50000

0

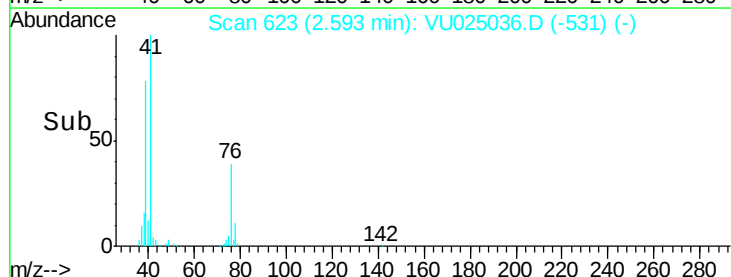
Time-->

2.55

2.60

2.65

2.70





#15

Acrylonitrile

Concen: 260.434 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

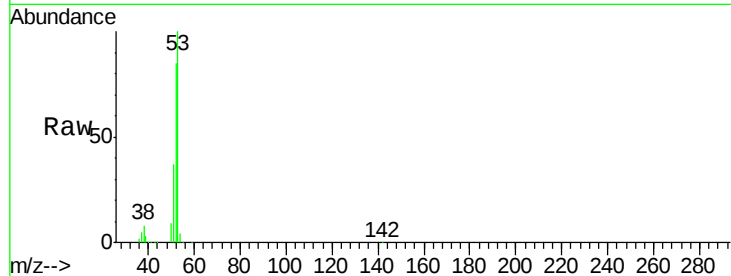
Tgt Ion: 53 Resp: 370912

Ion Ratio Lower Upper

53 100

52 83.8 67.1 100.7

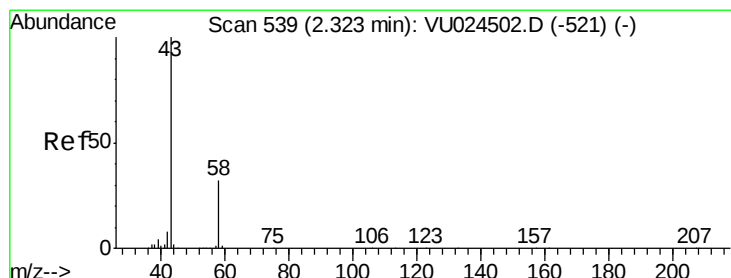
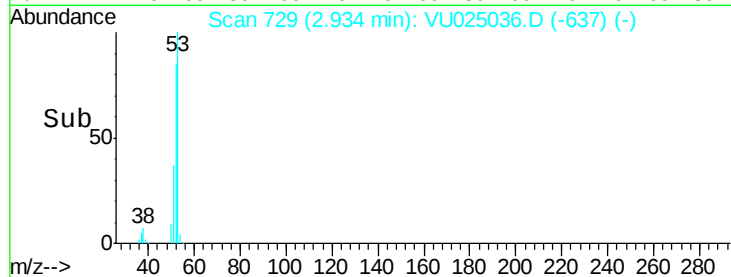
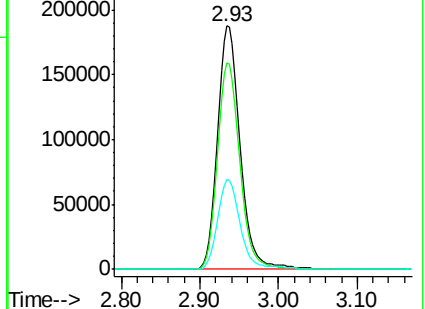
51 37.3 28.4 42.6



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

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

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



#16

Acetone

Concen: 216.730 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025036.D

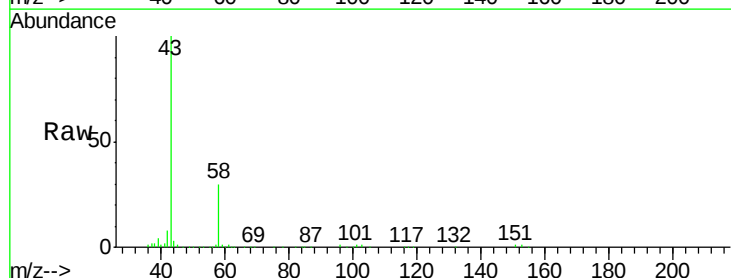
Acq: 28 Jun 2018 21:57

Tgt Ion: 43 Resp: 350487

Ion Ratio Lower Upper

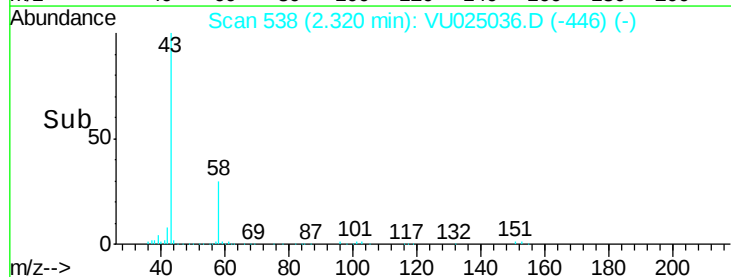
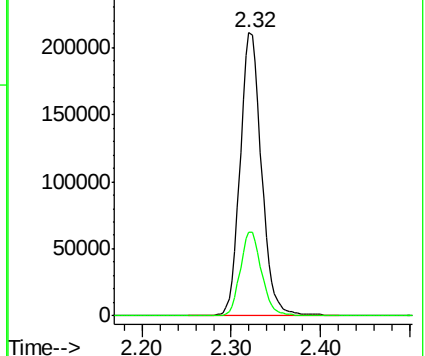
43 100

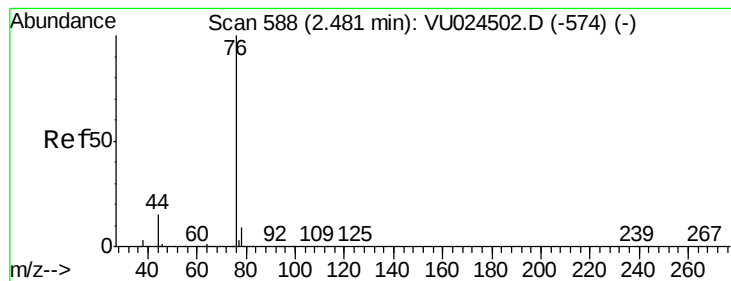
58 29.6 24.4 36.6



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

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





#17

Carbon Disulfide

Concen: 44.012 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

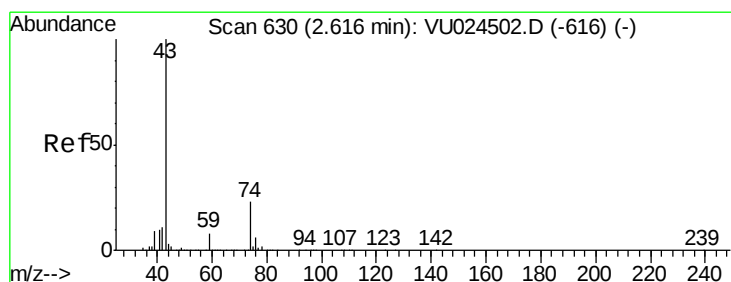
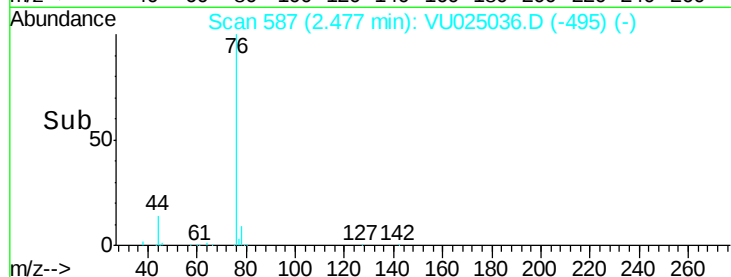
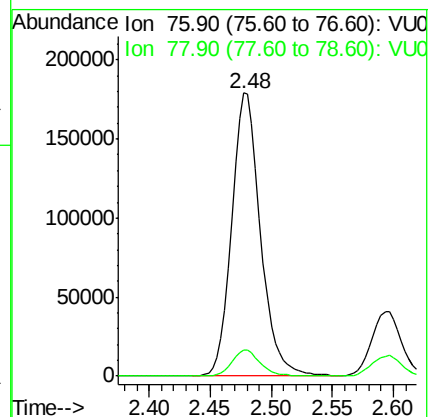
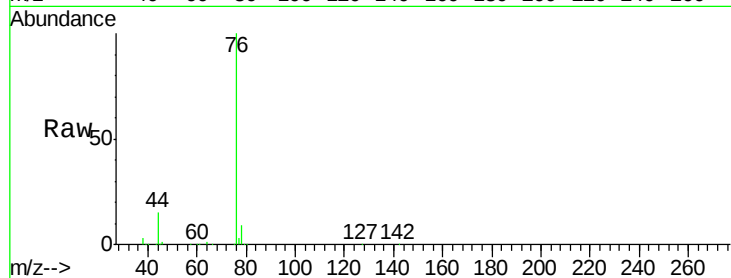
VSTDCCC050

Tgt Ion: 76 Resp: 295848

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



#18

Methyl Acetate

Concen: 63.250 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025036.D

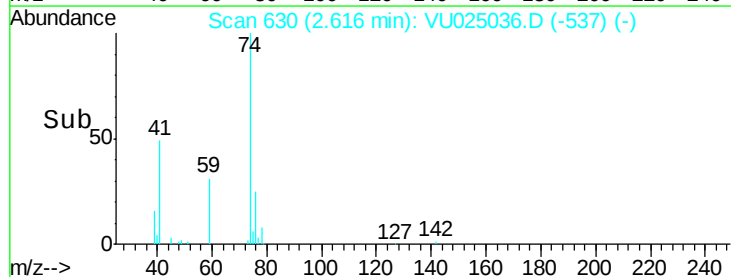
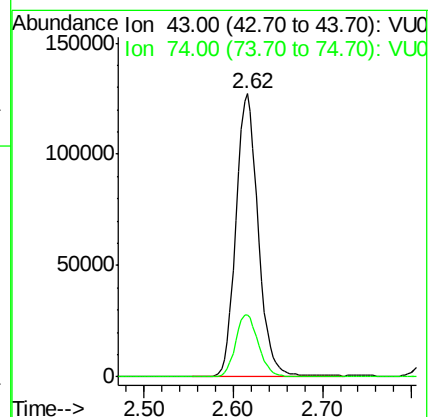
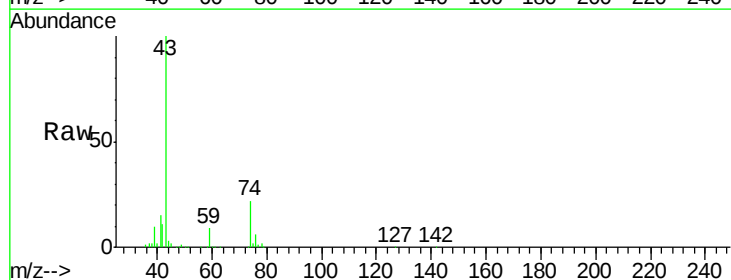
Acq: 28 Jun 2018 21:57

Tgt Ion: 43 Resp: 219279

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0

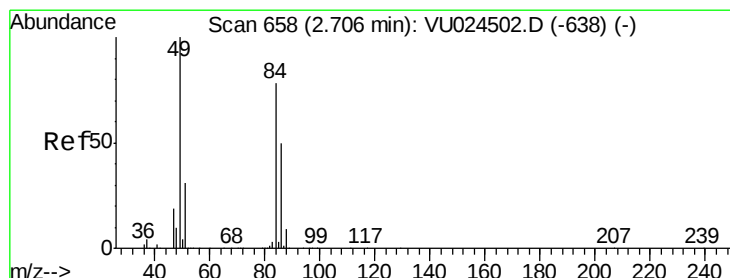
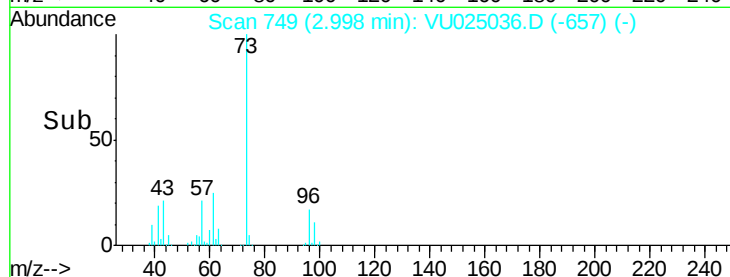
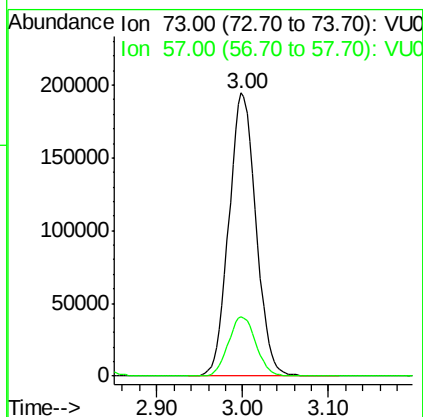
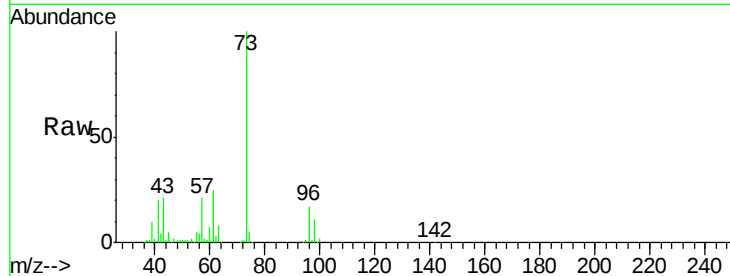




#19
Methyl tert-butyl Ether
Concen: 53.831 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

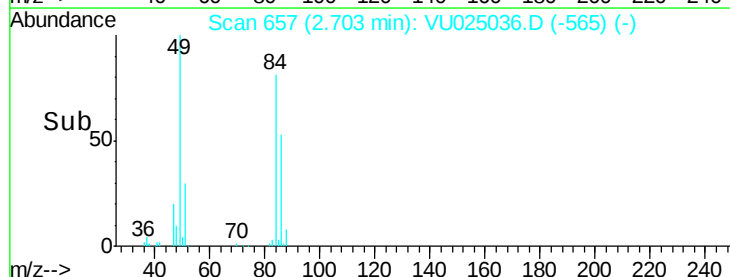
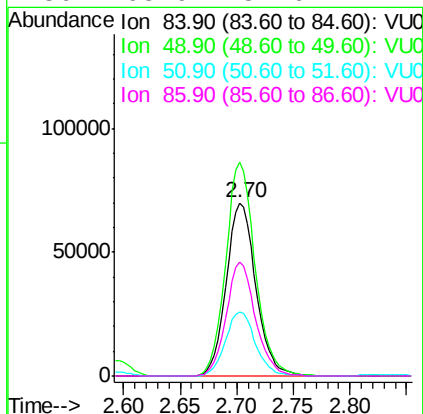
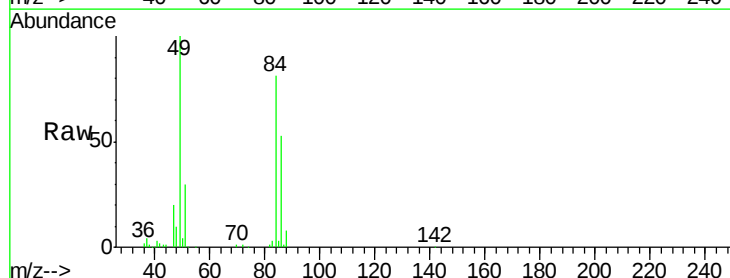
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

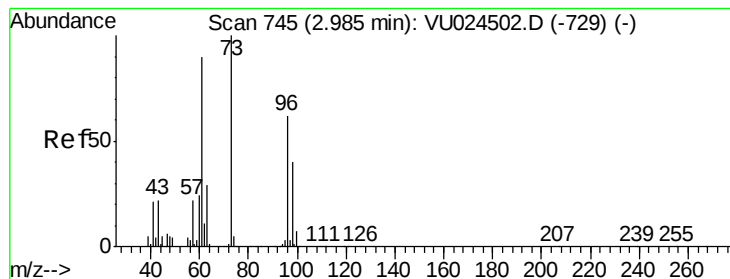
Tgt Ion: 73 Resp: 424783
Ion Ratio Lower Upper
73 100
57 20.8 18.8 28.2



#20
Methylene Chloride
Concen: 50.214 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 84 Resp: 127415
Ion Ratio Lower Upper
84 100
49 123.4 103.8 155.8
51 36.9 32.0 48.0
86 65.9 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.323 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

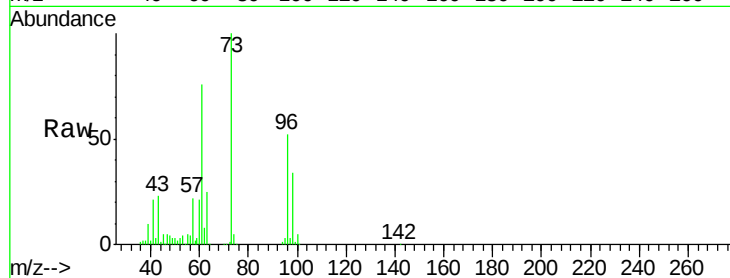
Tgt Ion: 96 Resp: 116353

Ion Ratio Lower Upper

96 100

61 145.3 119.4 179.0

98 64.7 51.1 76.7

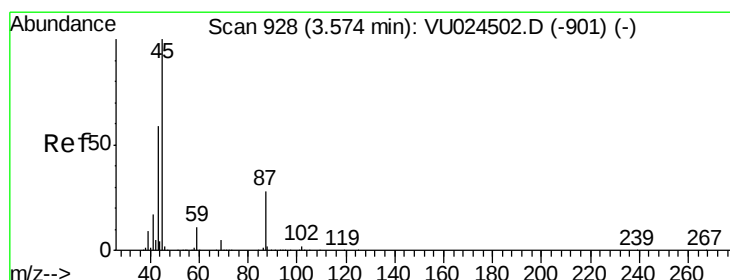
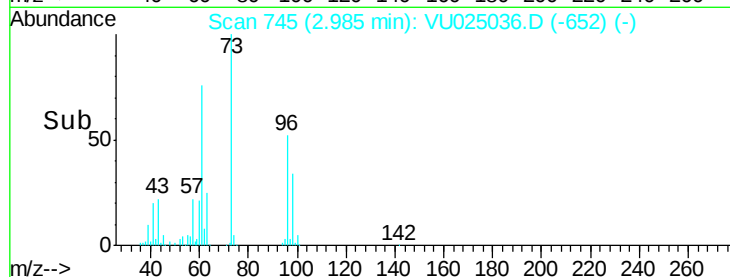
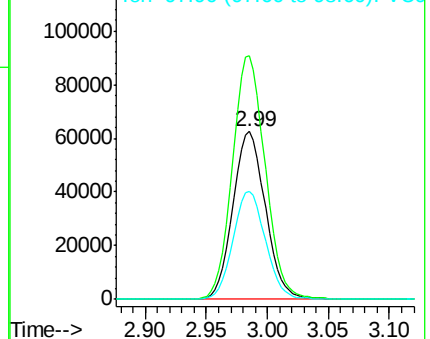


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 52.314 ug/l

RT: 3.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion: 45 Resp: 404221

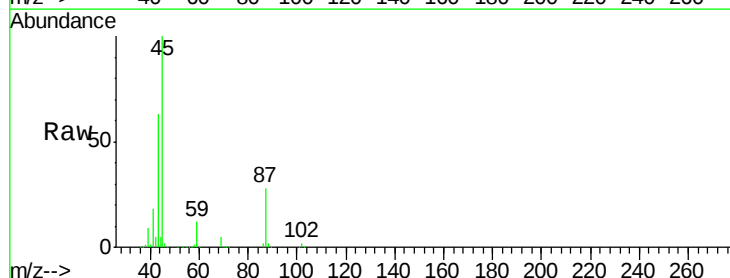
Ion Ratio Lower Upper

45 100

43 62.5 45.8 68.6

87 28.2 20.6 31.0

59 11.7 9.4 14.0



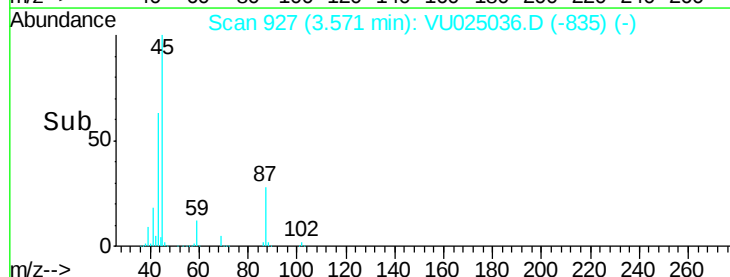
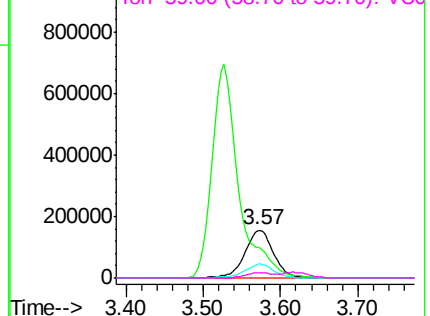
Abundance

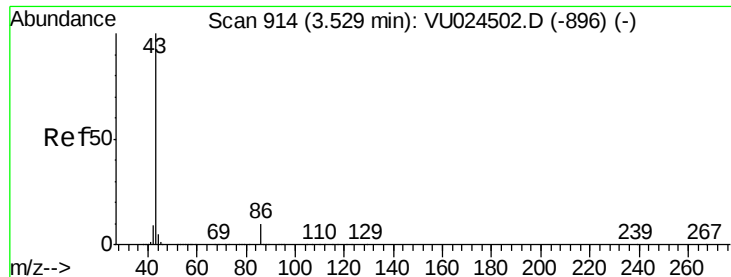
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 245.213 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

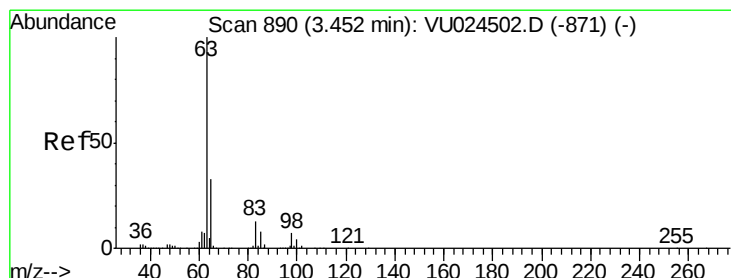
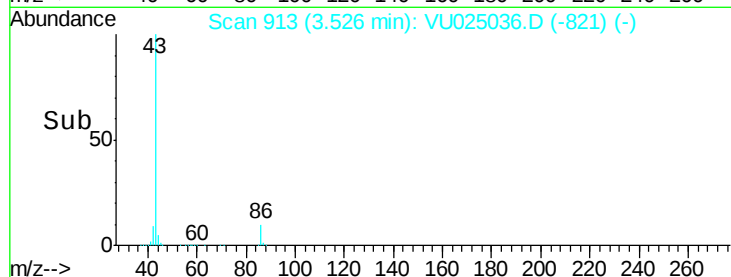
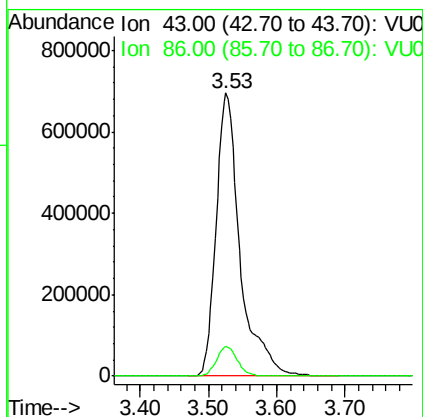
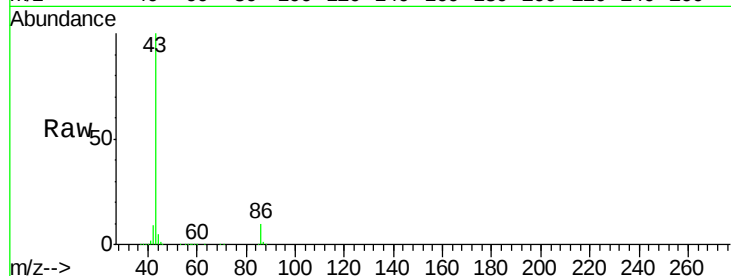
VSTDCCC050

Tgt Ion: 43 Resp: 1697259

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



#24

1,1-Dichloroethane

Concen: 51.948 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

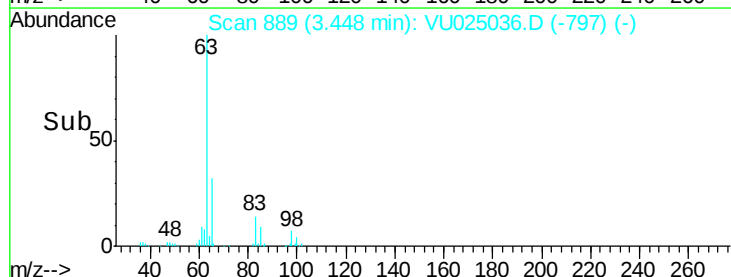
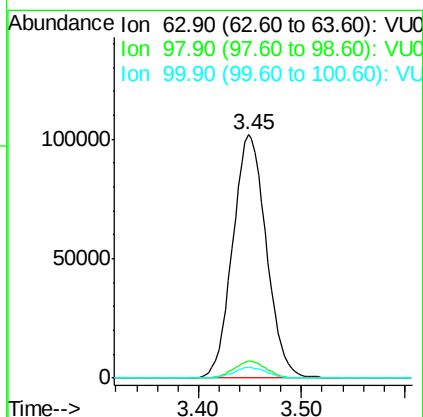
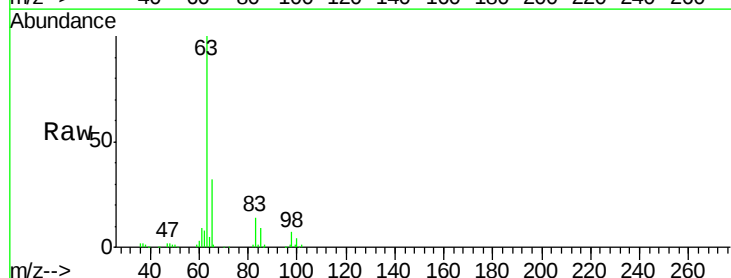
Tgt Ion: 63 Resp: 230906

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.2 1.8 5.5





#25

2-Butanone

Concen: 249.884 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

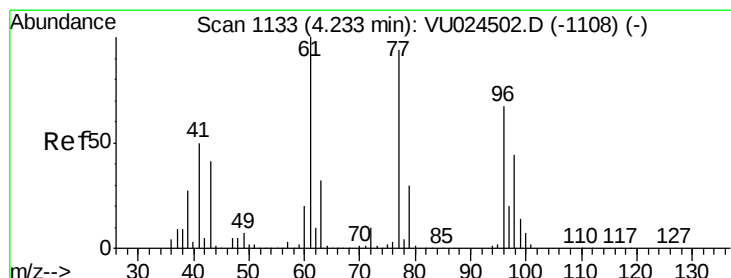
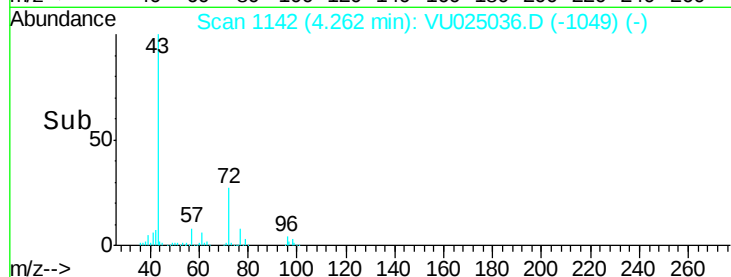
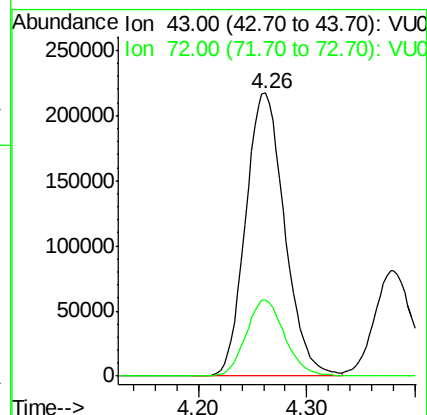
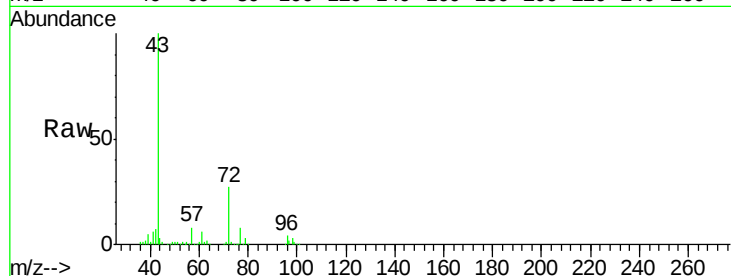
VSTDCCC050

Tgt Ion: 43 Resp: 542801

Ion Ratio Lower Upper

43 100

72 27.0 19.6 29.4



#26

2,2-Dichloropropane

Concen: 44.617 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025036.D

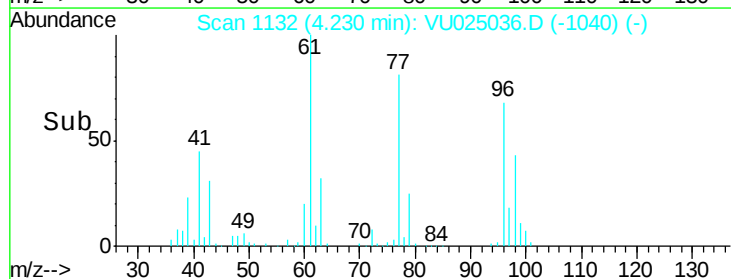
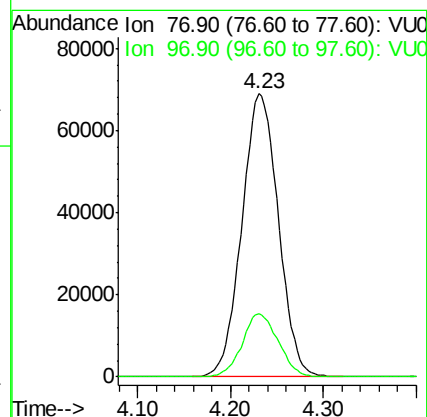
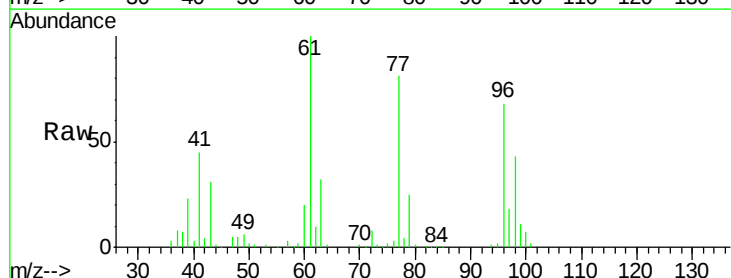
Acq: 28 Jun 2018 21:57

Tgt Ion: 77 Resp: 188316

Ion Ratio Lower Upper

77 100

97 22.0 11.3 33.8

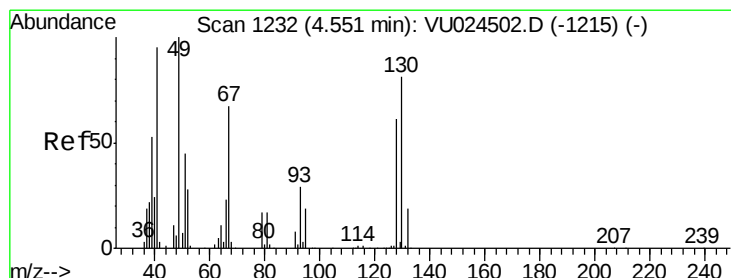
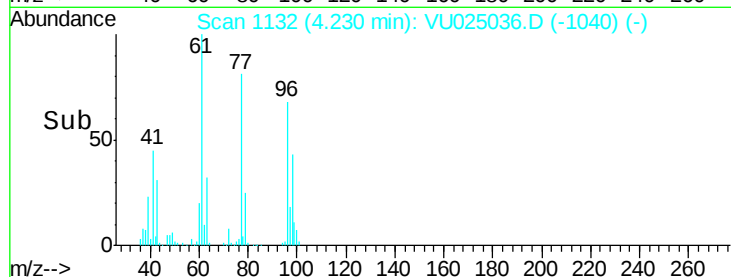
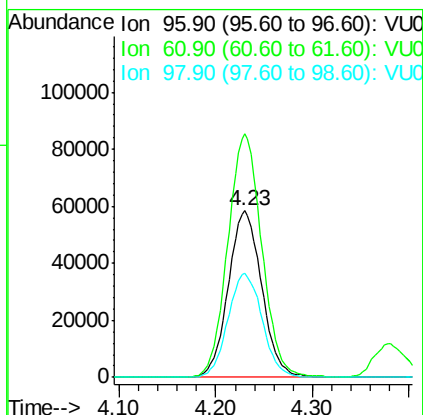
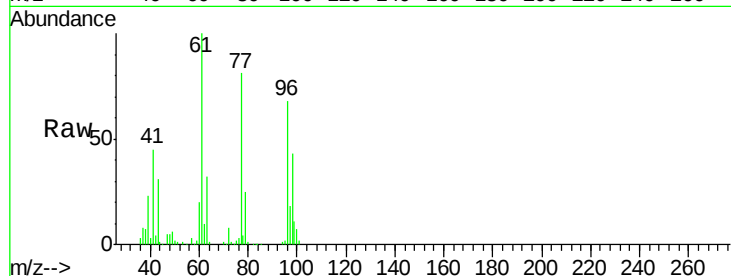




#27
 cis-1,2-Dichloroethene
 Concen: 52.736 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

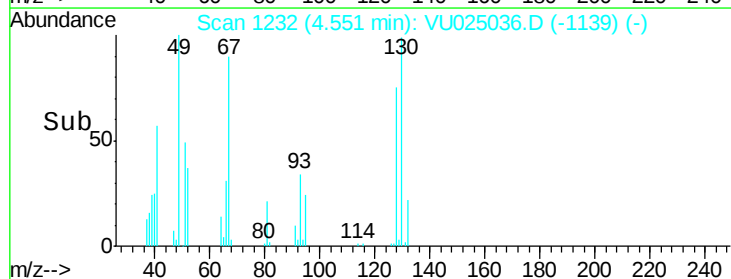
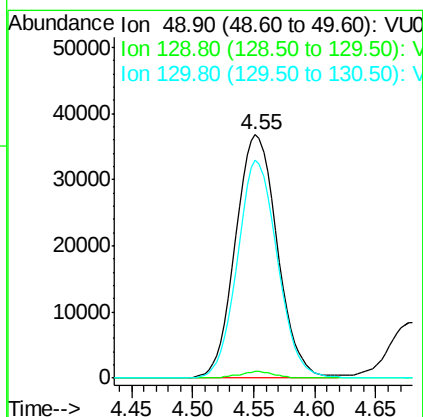
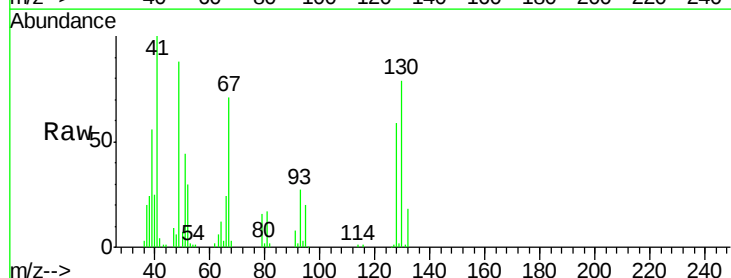
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 140181
 Ion Ratio Lower Upper
 96 100
 61 148.6 0.0 306.6
 98 63.9 0.0 128.8



#28
 Bromochloromethane
 Concen: 44.726 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 49 Resp: 87567
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 3.8
 130 85.5 57.8 86.6

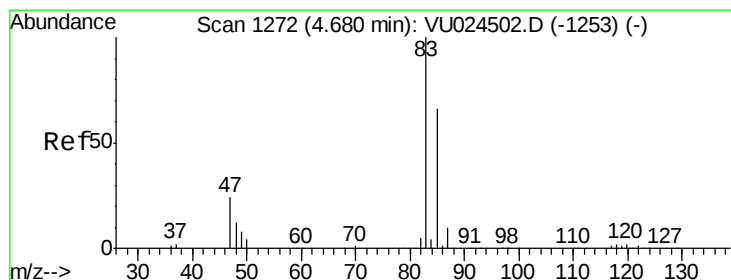
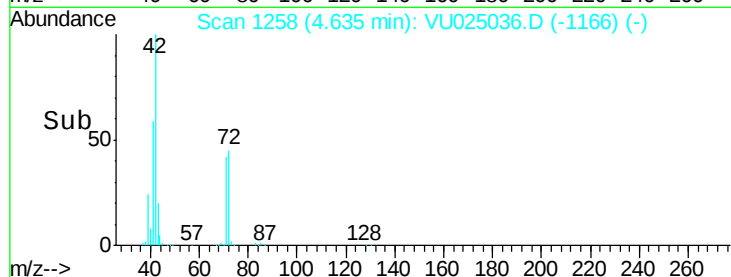
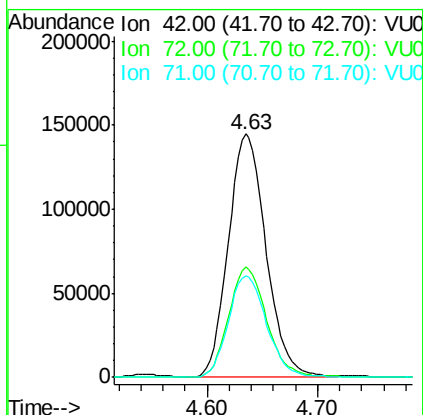
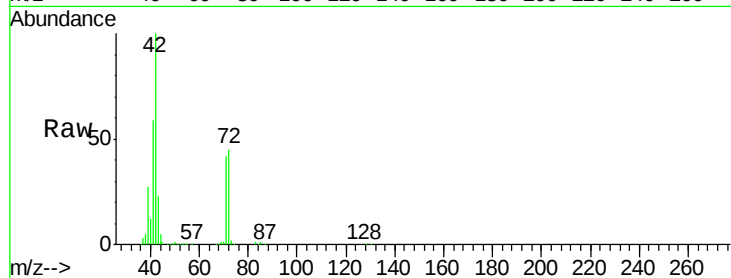




#29
Tetrahydrofuran
Concen: 253.668 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

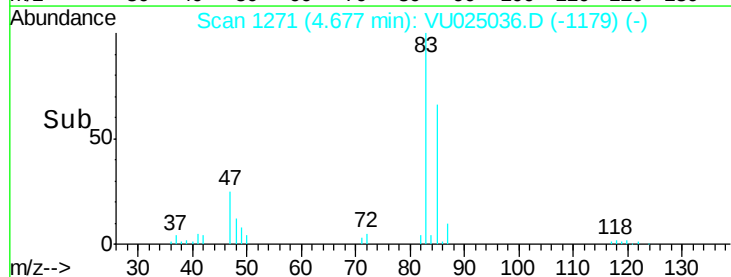
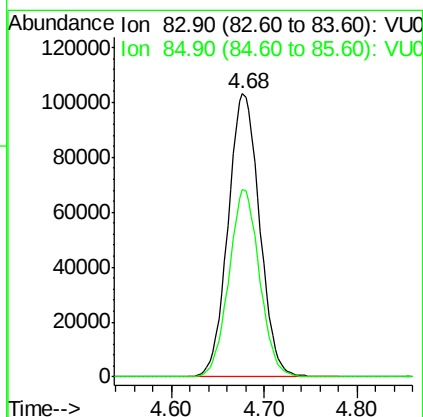
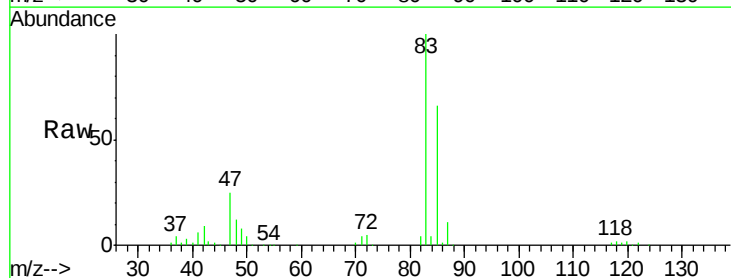
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 341230
Ion Ratio Lower Upper
42 100
72 46.0 34.5 51.7
71 42.6 32.2 48.4



#30
Chloroform
Concen: 53.974 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 83 Resp: 242833
Ion Ratio Lower Upper
83 100
85 66.2 52.4 78.6

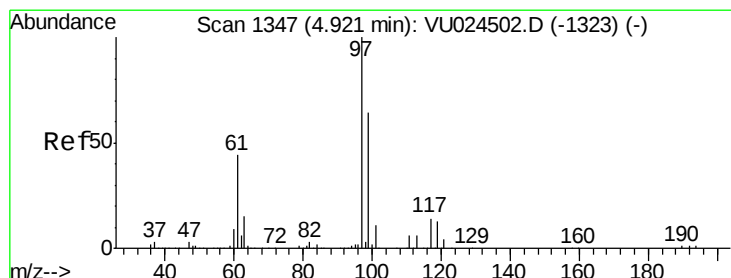
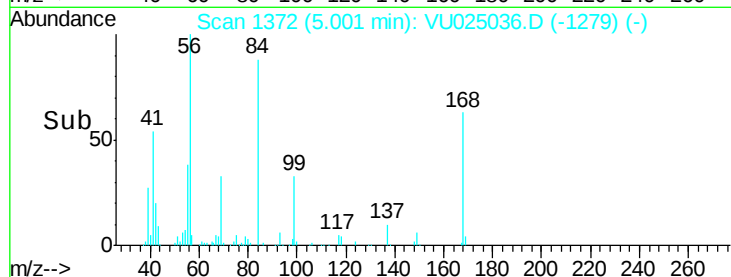
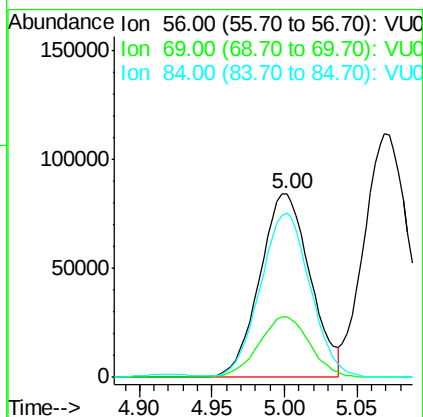
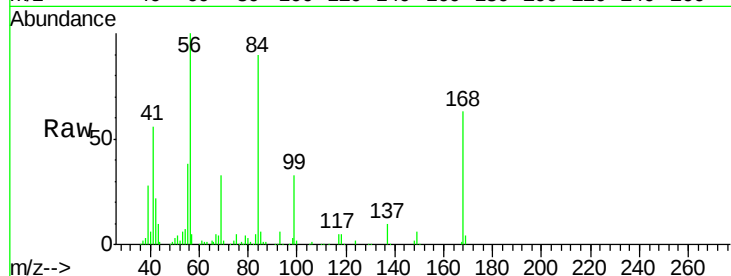




#31
Cyclohexane
Concen: 51.718 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

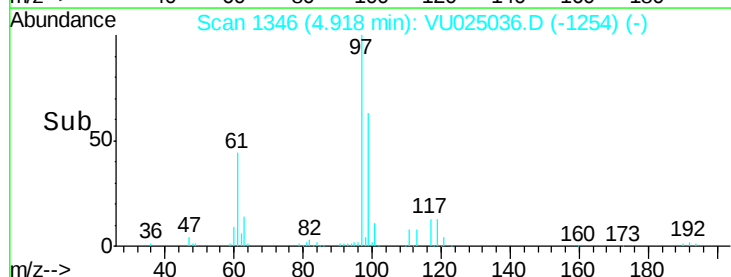
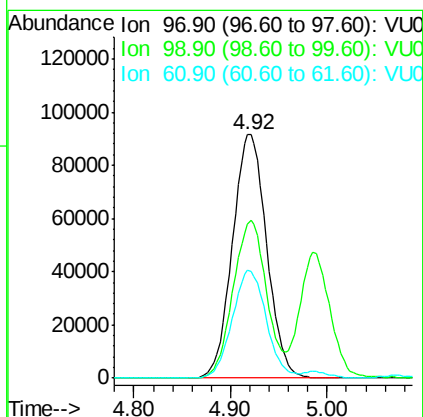
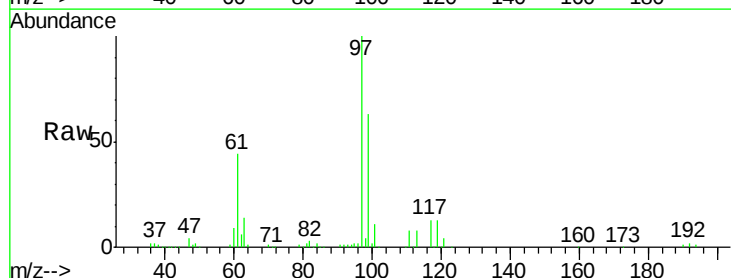
Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.8	37.2
84	88.3	65.2	97.8



#32
1,1,1-Trichloroethane
Concen: 54.038 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	44.0	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 48.322 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

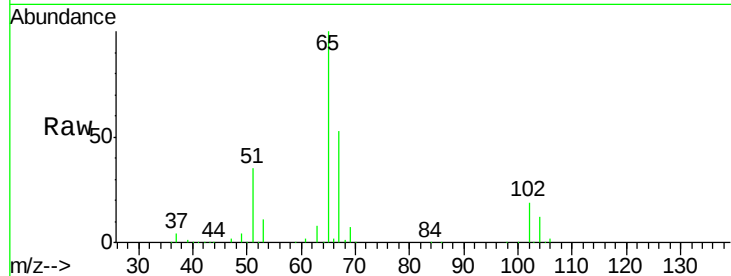
VSTDCCC050

Tgt Ion: 65 Resp: 145440

Ion Ratio Lower Upper

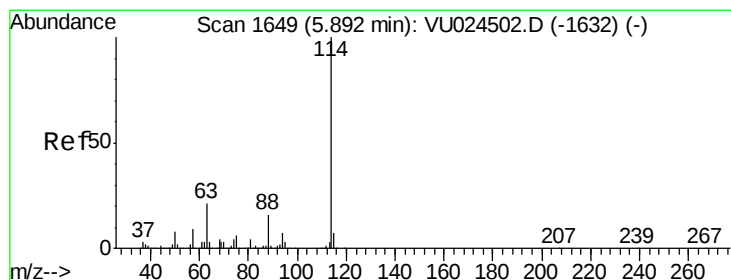
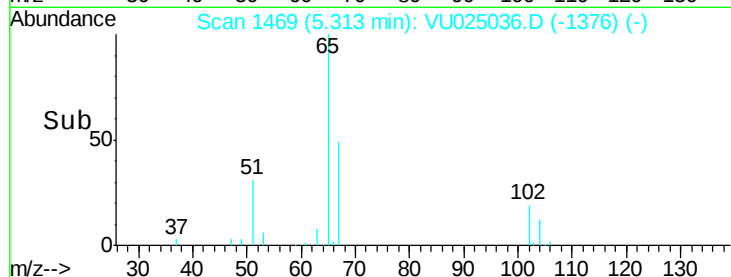
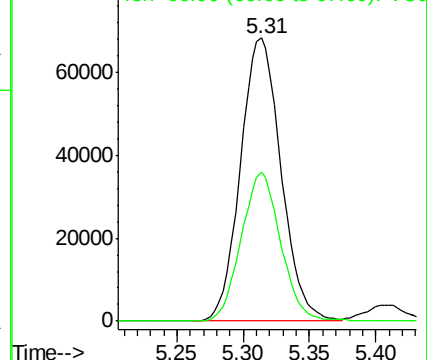
65 100

67 51.1 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU025036.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025036.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

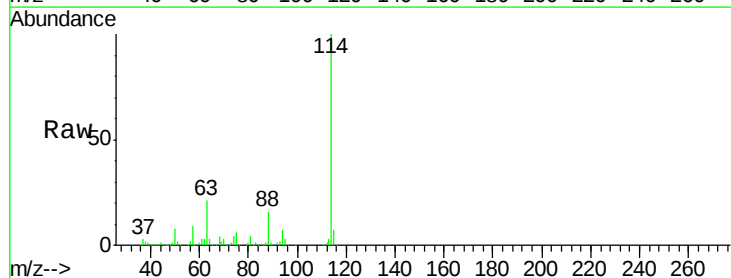
Tgt Ion: 114 Resp: 284251

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

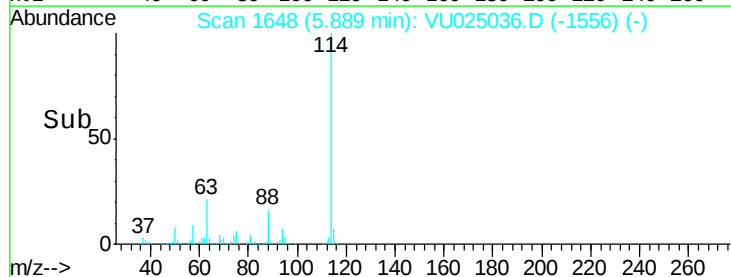
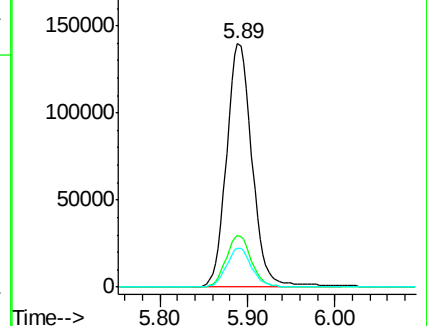
88 16.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU025036.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025036.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025036.D (-1556) (-)

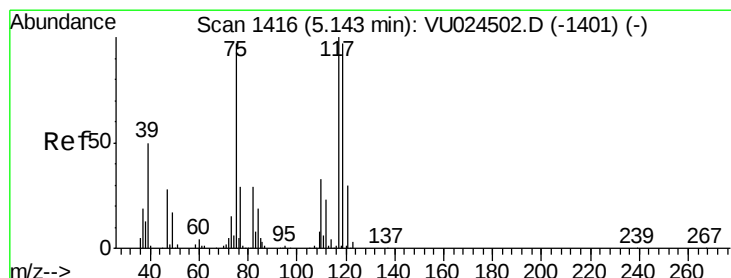
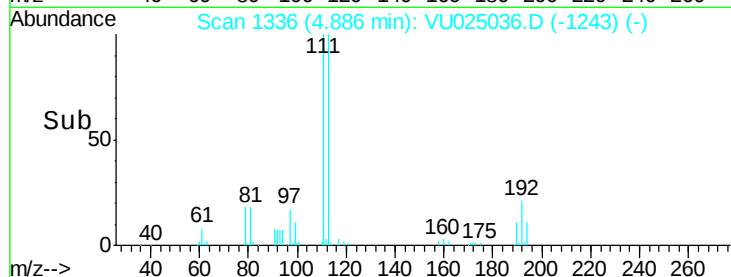
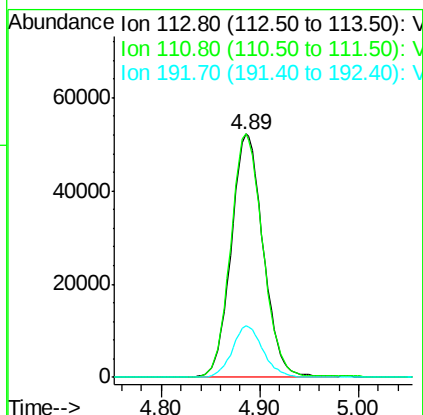
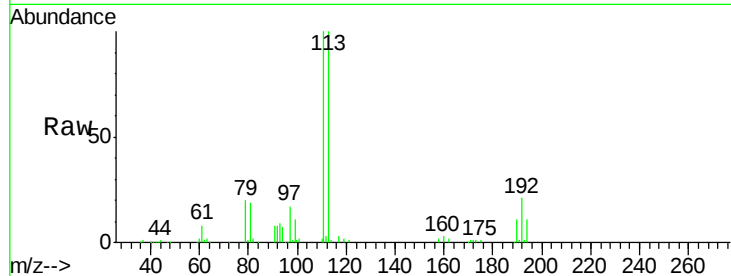




#35
 Dibromofluoromethane
 Concen: 49.944 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

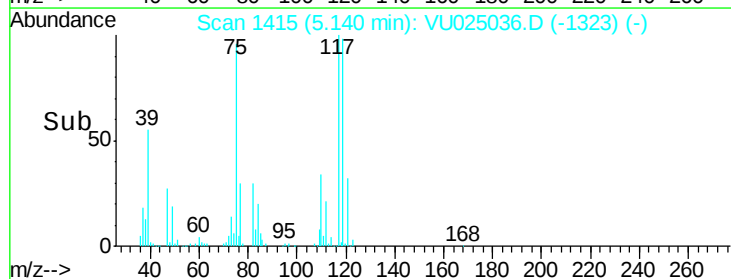
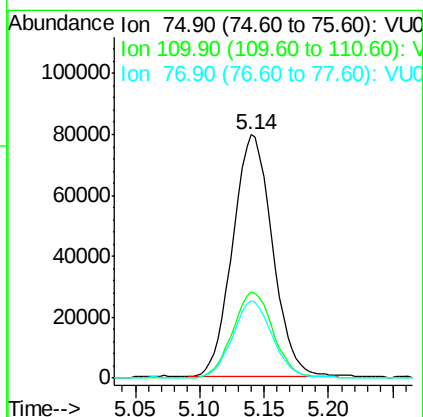
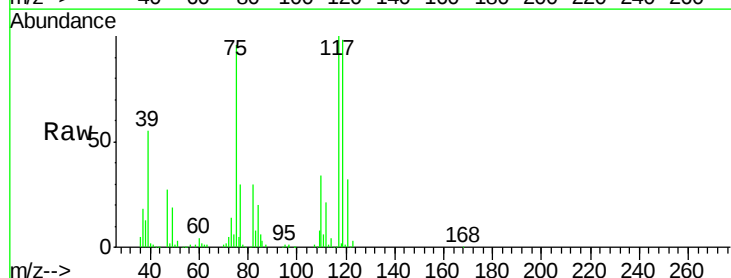
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

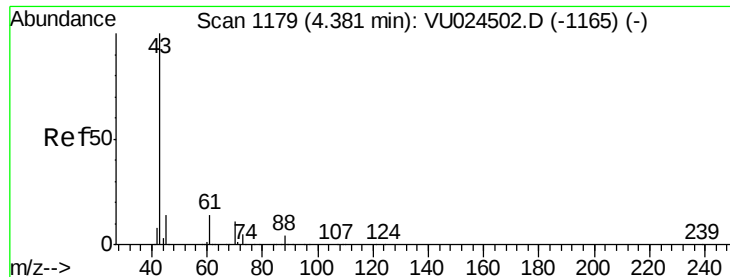
Tgt Ion:113 Resp: 117821
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.2 123.4
 192 20.3 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 51.235 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 75 Resp: 171134
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.0 50.9
 77 31.7 24.2 36.4

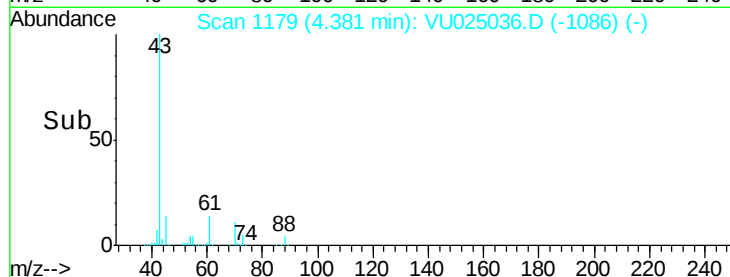
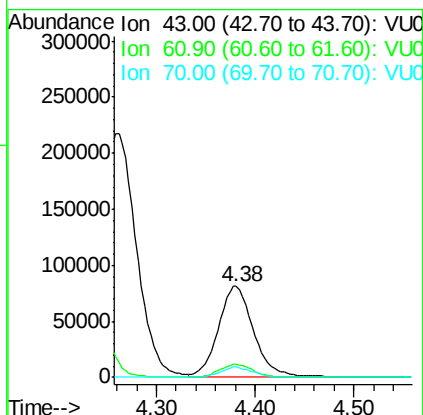
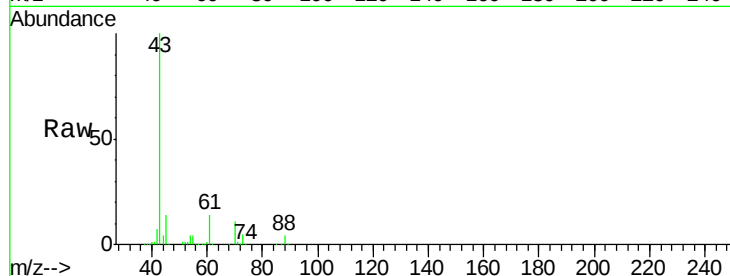




#37
Ethyl Acetate
Concen: 54.785 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

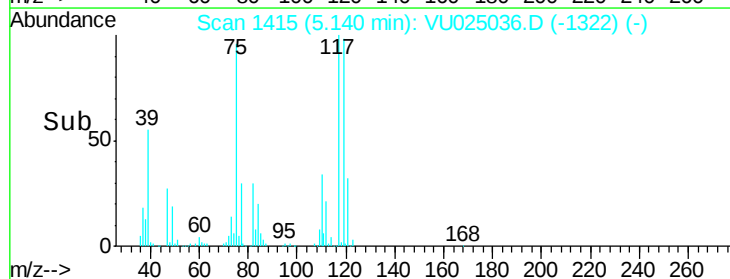
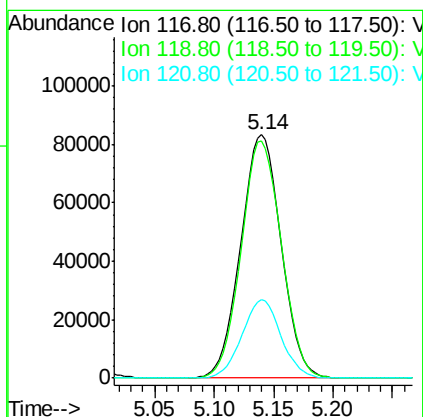
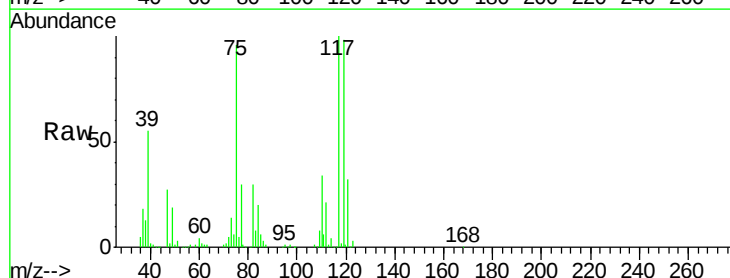
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.5	15.7
70	10.8	7.4	11.2



#38
Carbon Tetrachloride
Concen: 53.461 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	76.1	114.1
121	32.4	23.7	35.5

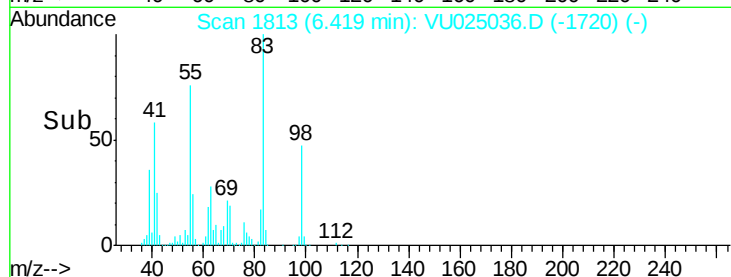
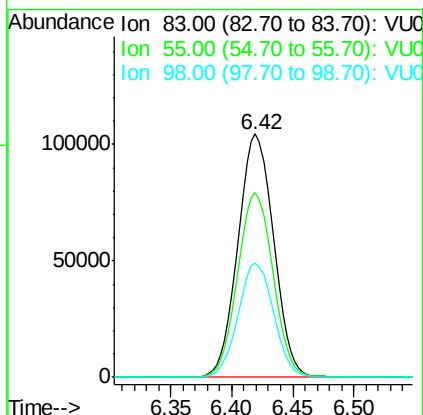
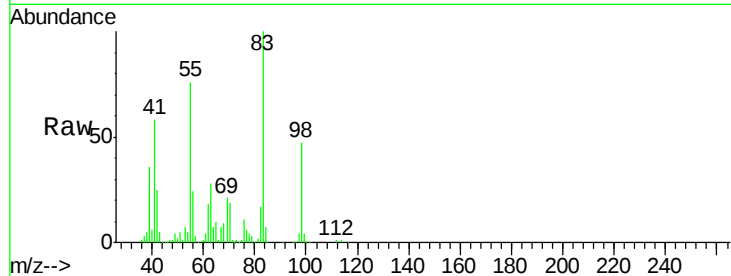




#39
Methylcyclohexane
Concen: 50.840 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

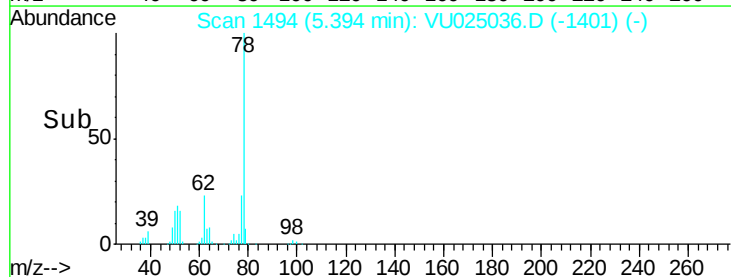
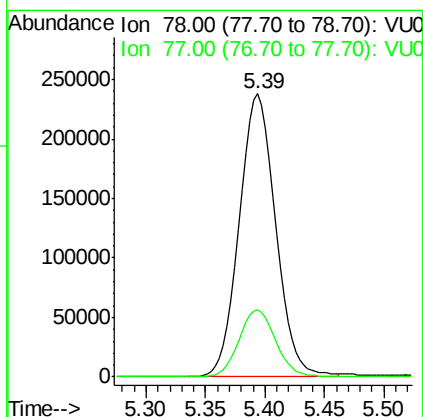
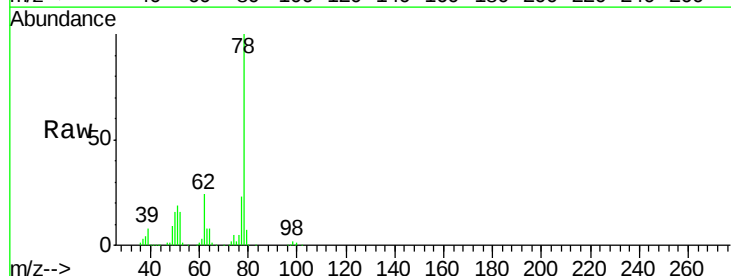
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 211913
Ion Ratio Lower Upper
83 100
55 75.9 65.8 98.6
98 46.9 36.7 55.1



#40
Benzene
Concen: 53.117 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 78 Resp: 505549
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8





#41

Methacrylonitrile

Concen: 57.042 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 111965

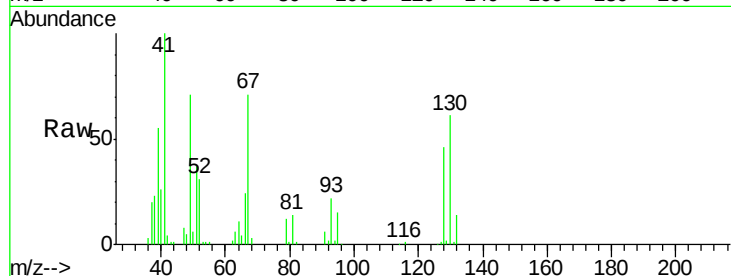
Ion Ratio Lower Upper

41 100

39 56.1 43.8 65.6

67 72.2 56.3 84.5

52 29.5 23.2 34.8

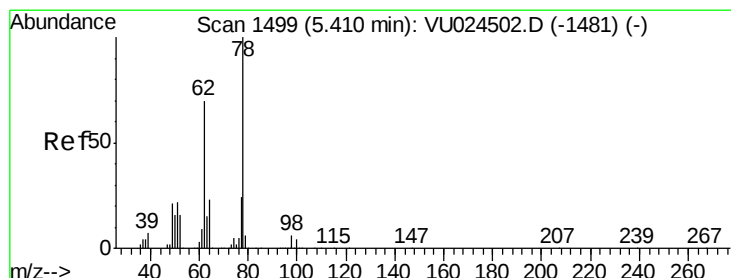
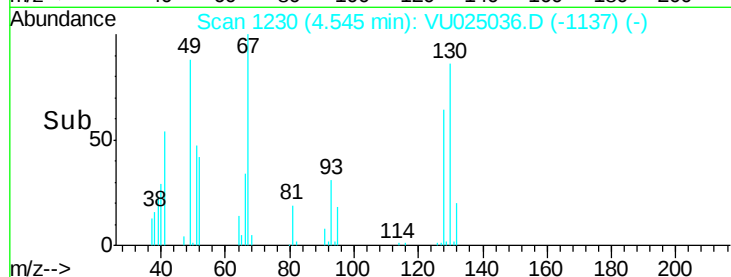
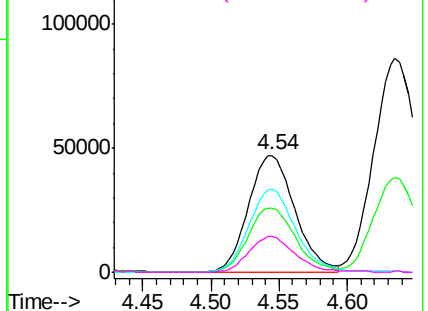


Abundance Ion 41.00 (40.70 to 41.70): VU0

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: 57.596 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025036.D

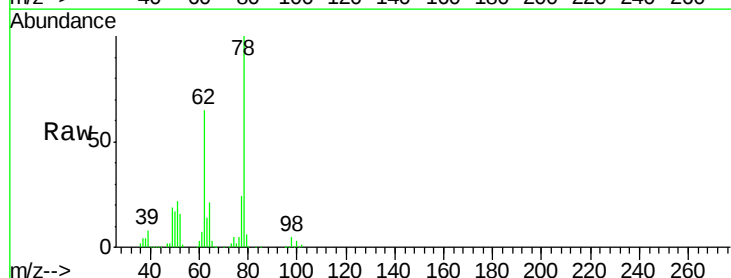
Acq: 28 Jun 2018 21:57

Tgt Ion: 62 Resp: 208781

Ion Ratio Lower Upper

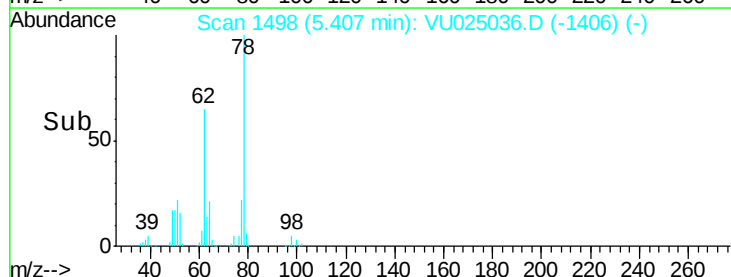
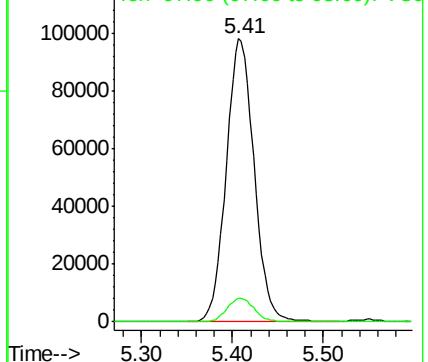
62 100

98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

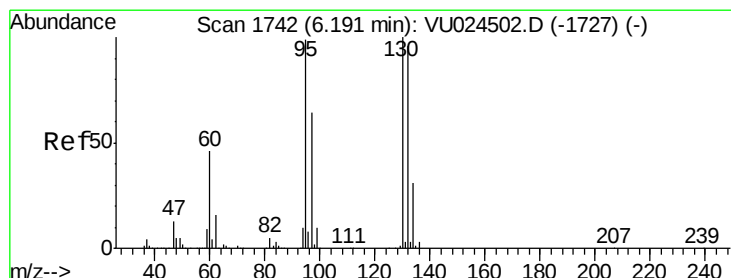
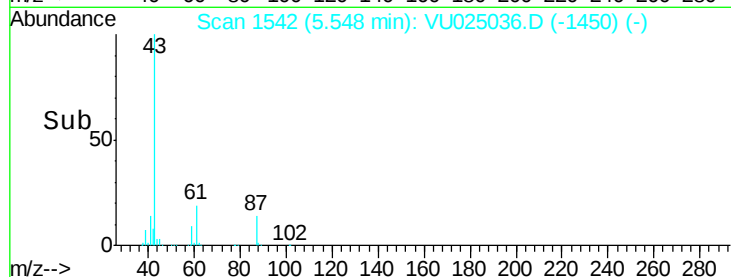
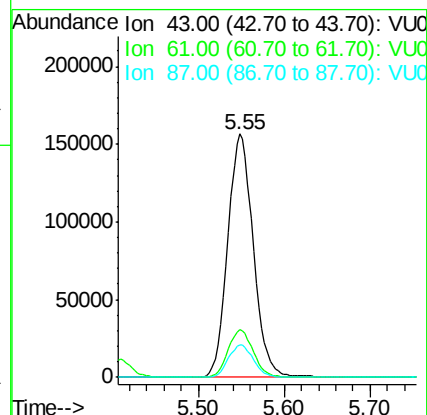
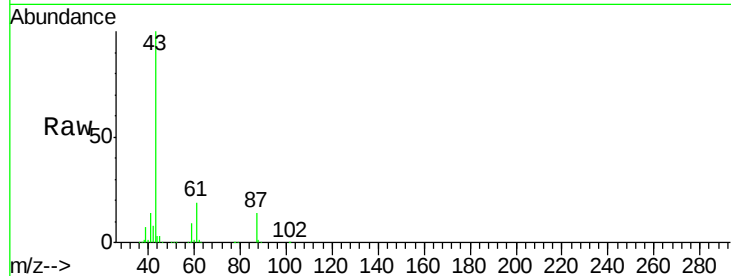




#43
Isopropyl Acetate
Concen: 51.217 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

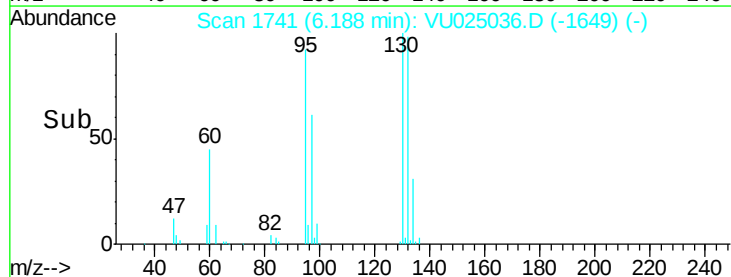
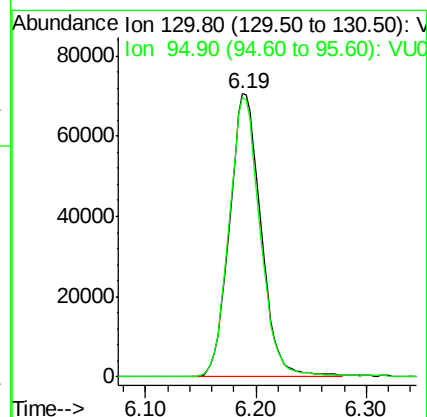
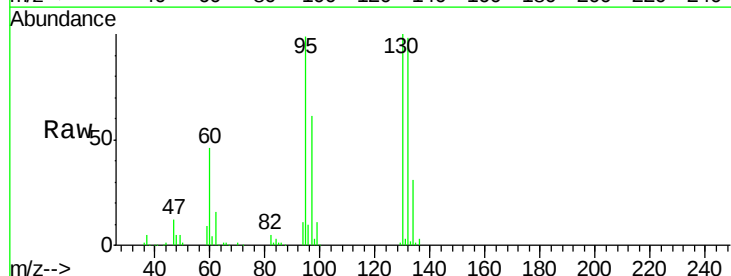
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 322299
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 13.3 10.0 15.0



#44
Trichloroethene
Concen: 51.539 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 130 Resp: 139604
Ion Ratio Lower Upper
130 100
95 98.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 53.220 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

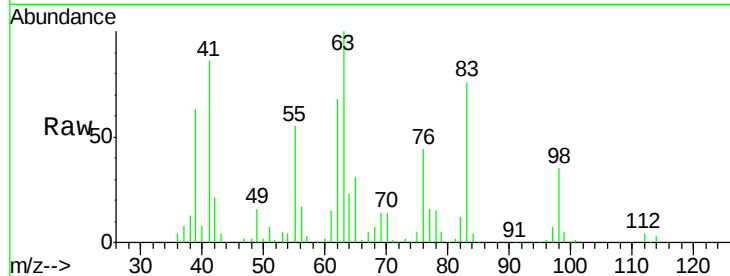
VSTDCCC050

Tgt Ion: 63 Resp: 135155

Ion Ratio Lower Upper

63 100

65 31.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.44

80000

60000

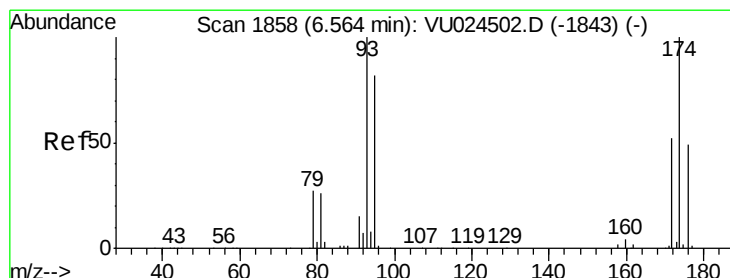
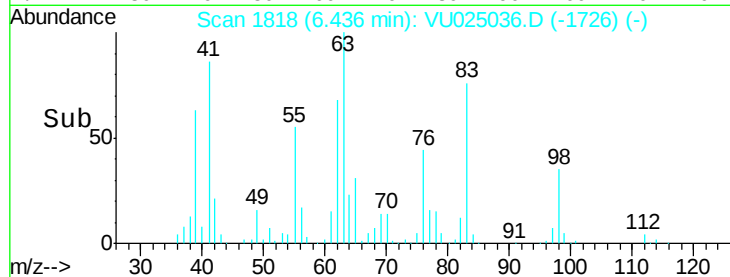
40000

20000

0

6.40 6.50

Time-->



#46

Dibromomethane

Concen: 54.135 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

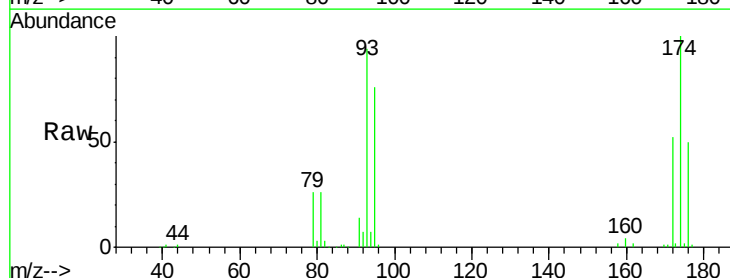
Tgt Ion: 93 Resp: 96566

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

174 108.2 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

60000

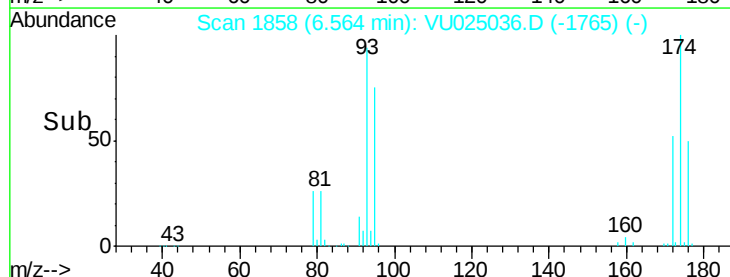
40000

20000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 52.370 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

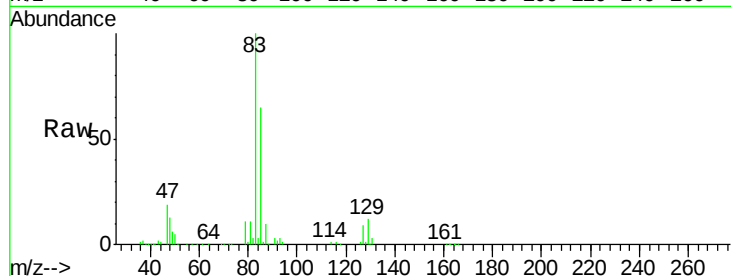
Tgt Ion: 83 Resp: 186021

Ion Ratio Lower Upper

83 100

85 65.2 51.9 77.9

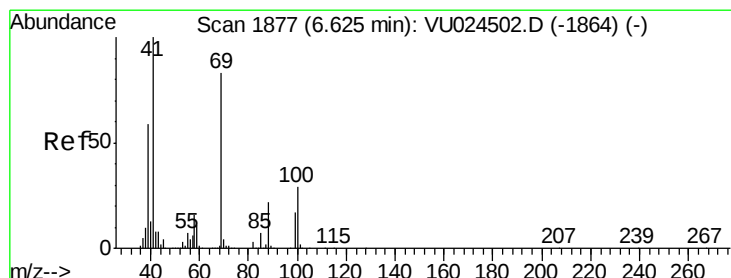
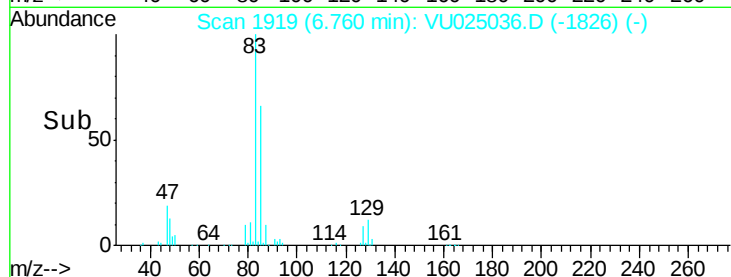
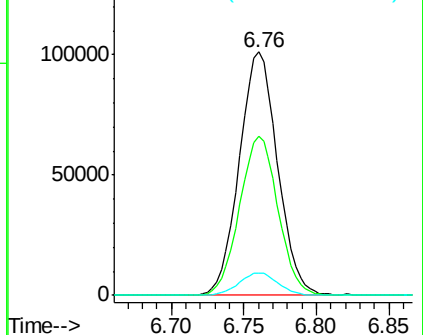
127 9.3 6.6 9.8



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

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

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



#48

Methyl methacrylate

Concen: 54.331 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

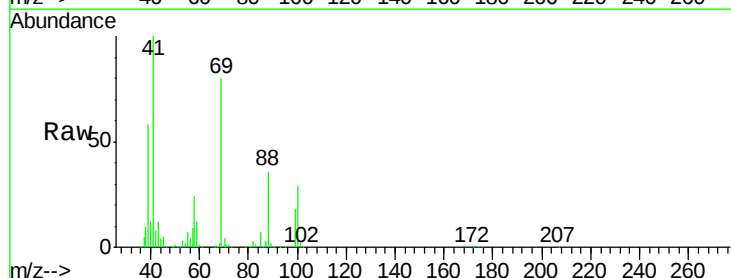
Tgt Ion: 41 Resp: 166484

Ion Ratio Lower Upper

41 100

69 81.2 67.3 100.9

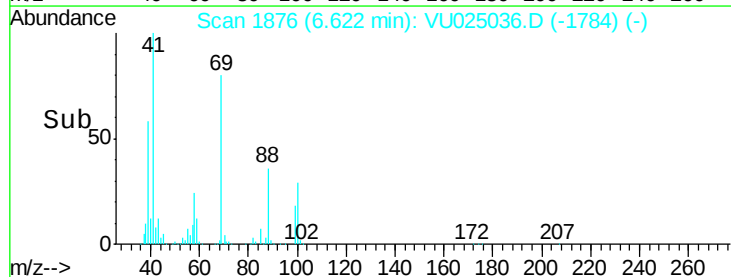
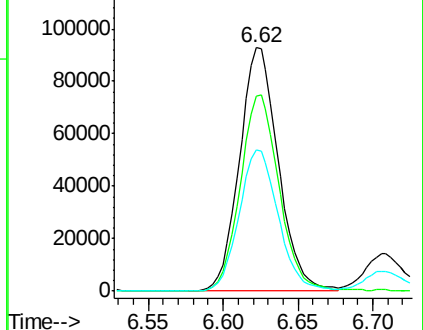
39 58.7 46.5 69.7



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

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

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

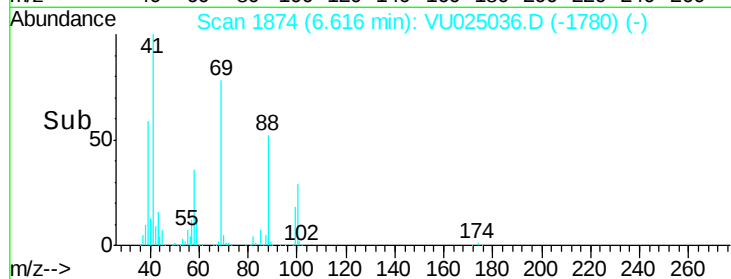
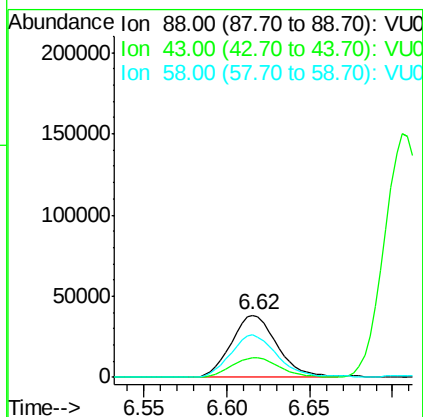
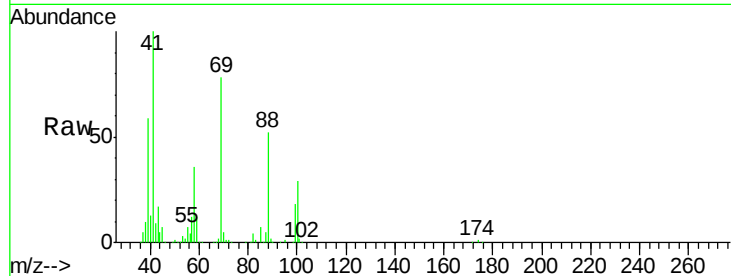




#49
 1,4-Dioxane
 Concen: 1206.640 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

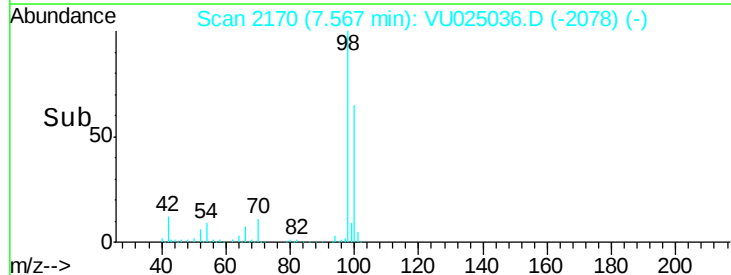
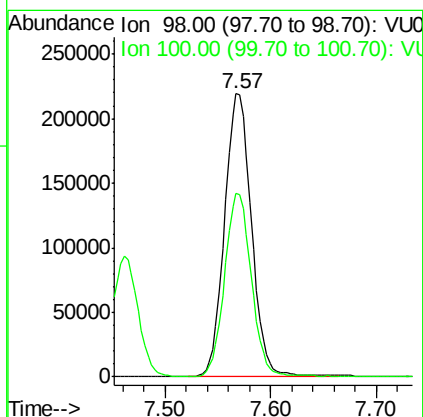
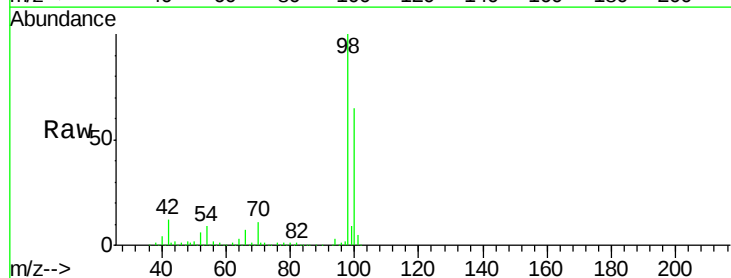
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 72308
 Ion Ratio Lower Upper
 88 100
 43 33.9 28.6 42.8
 58 72.3 58.2 87.4



#50
 Toluene-d8
 Concen: 45.136 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 98 Resp: 388390
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.1 76.7

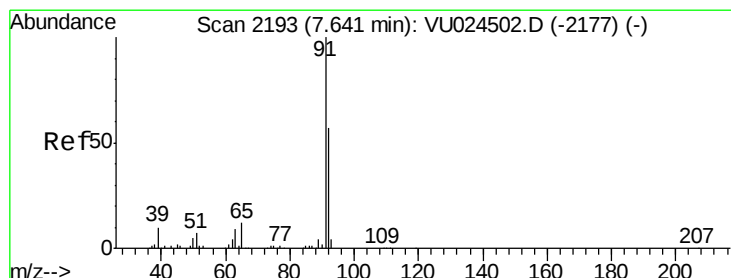
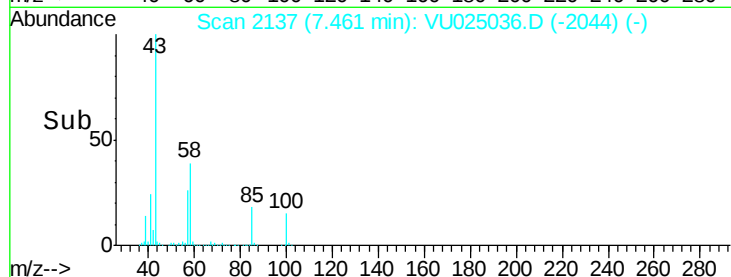
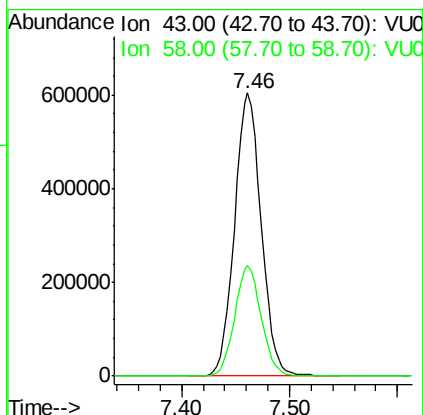
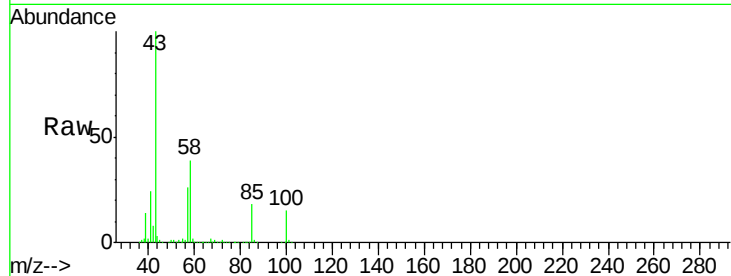




#51
 4-Methyl-2-Pentanone
 Concen: 263.359 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

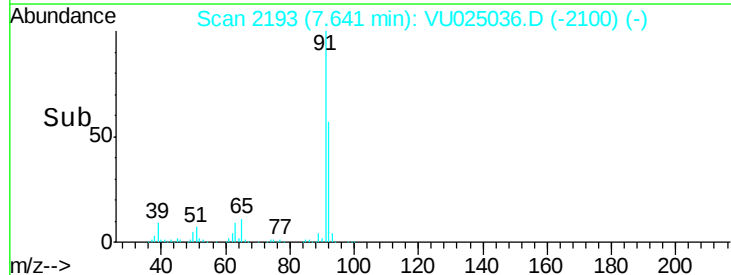
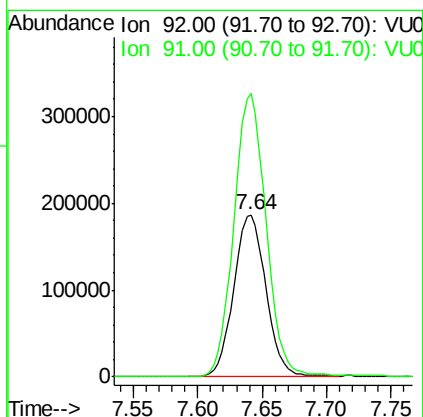
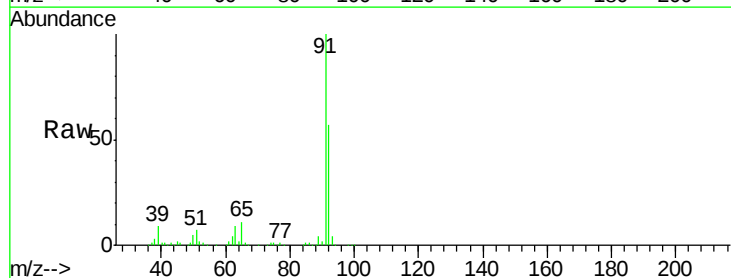
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

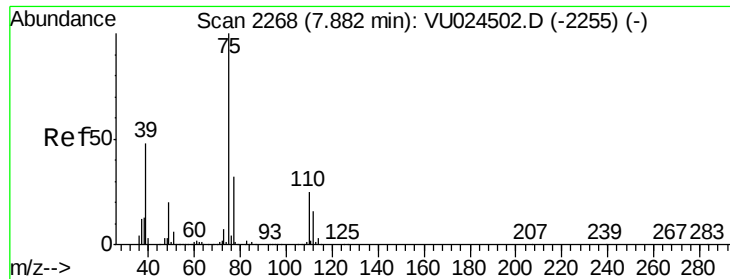
Tgt Ion: 43 Resp: 1041188
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.0 45.0



#52
 Toluene
 Concen: 53.130 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 92 Resp: 325334
 Ion Ratio Lower Upper
 92 100
 91 174.6 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 50.683 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

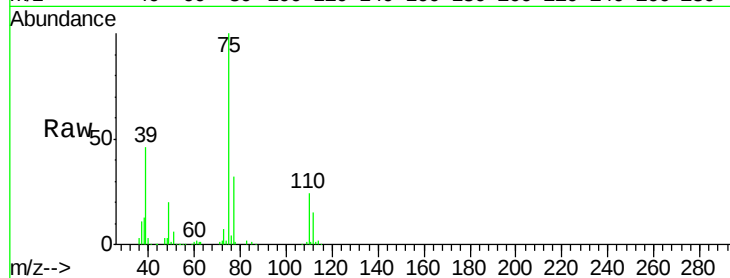
VSTDCCC050

Tgt Ion: 75 Resp: 202174

Ion Ratio Lower Upper

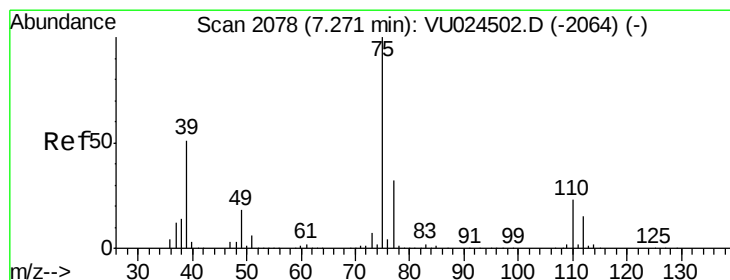
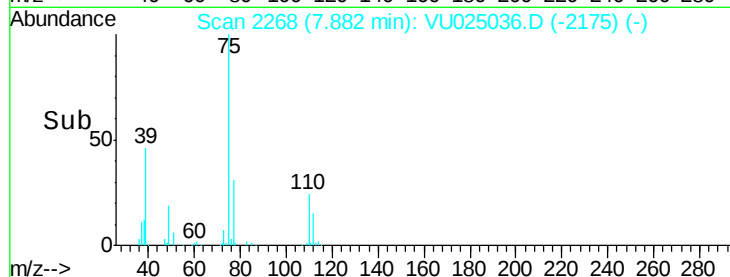
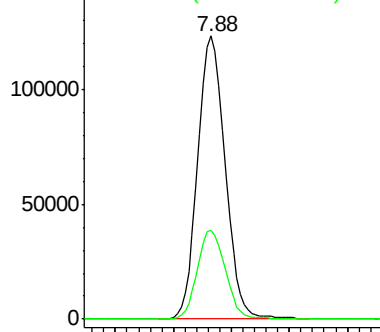
75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 49.737 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

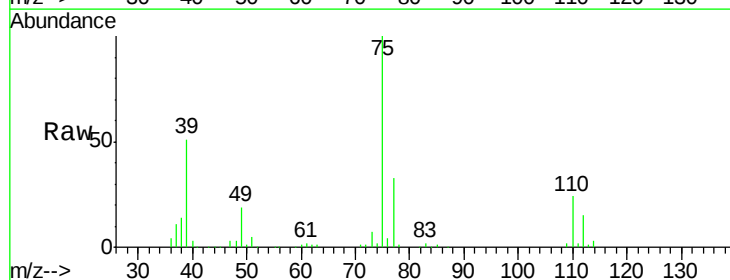
Tgt Ion: 75 Resp: 211409

Ion Ratio Lower Upper

75 100

77 32.6 24.6 36.8

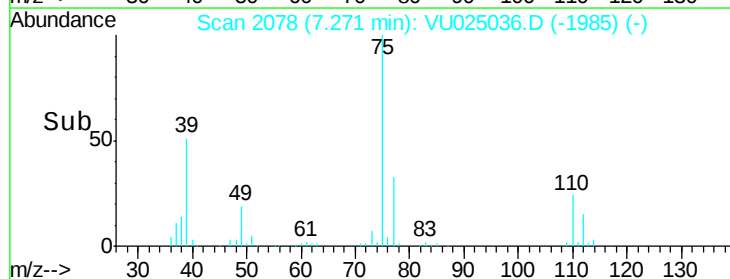
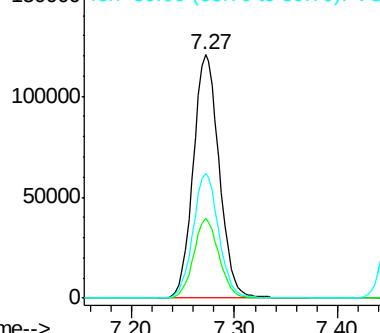
39 51.4 39.8 59.6

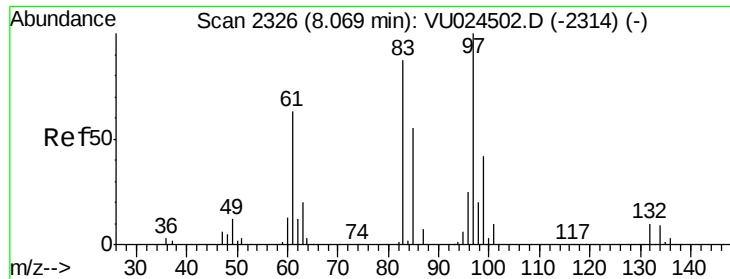


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

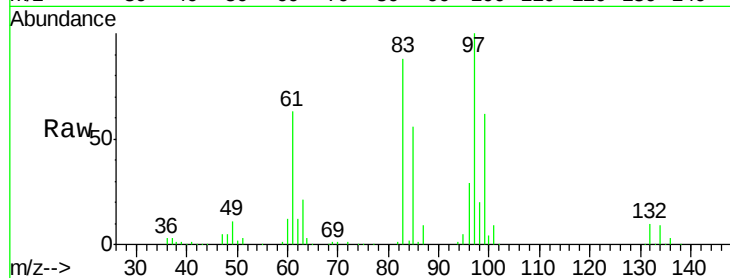




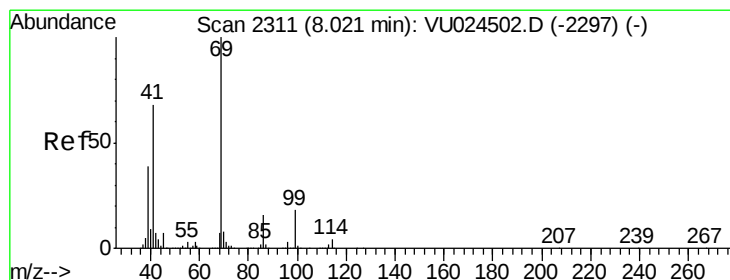
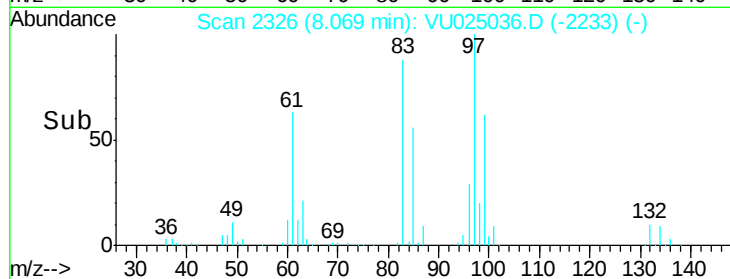
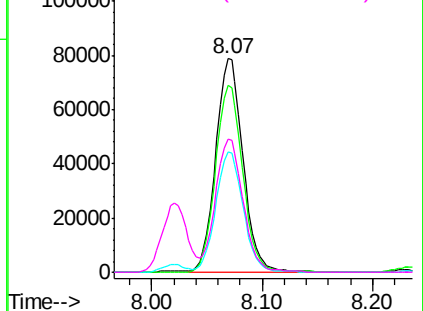
#55
 1,1,2-Trichloroethane
 Concen: 53.762 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	133817
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.5	105.7
85	56.3	46.4	69.6
99	62.3	50.2	75.2

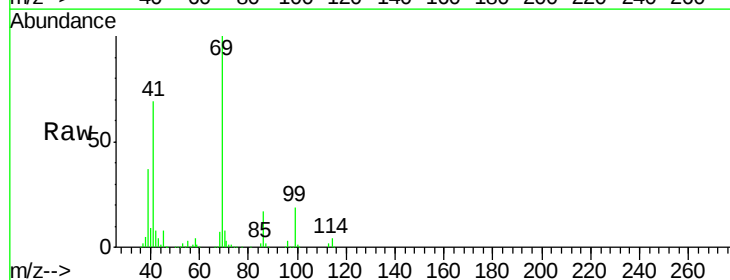


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

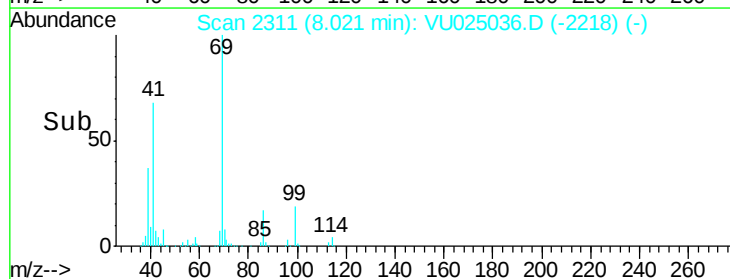
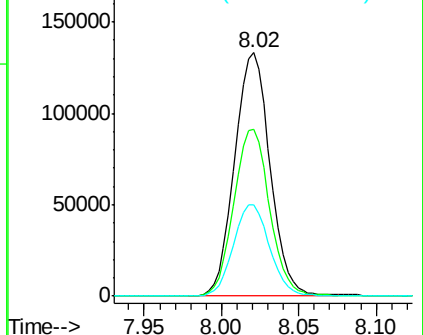


#56
 Ethyl methacrylate
 Concen: 50.902 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion:	69	Resp:	212061
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.1	81.1
39	38.2	30.3	45.5



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

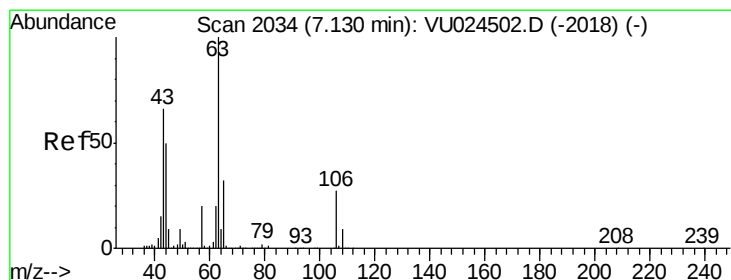
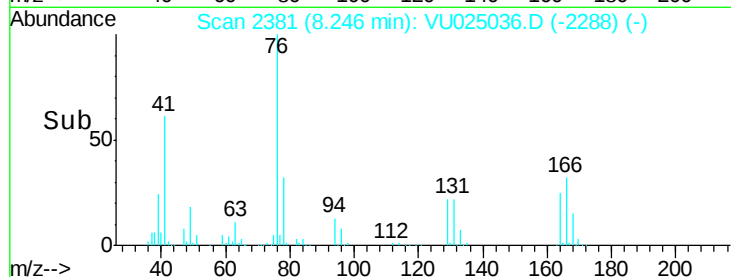
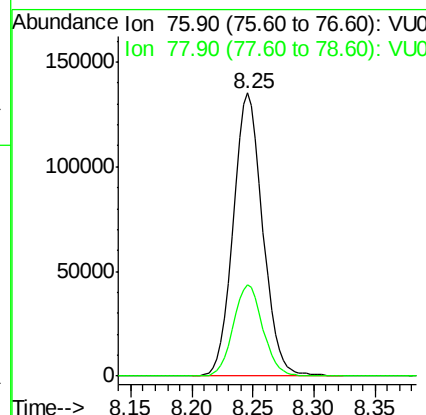
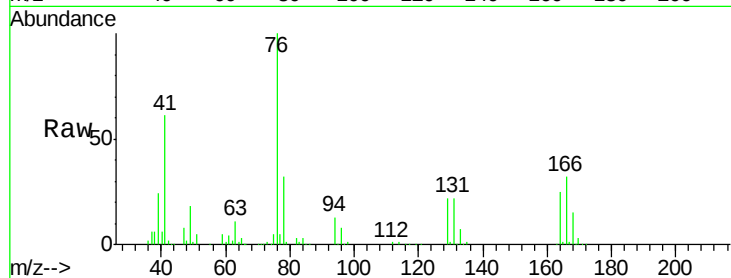




#57
 1,3-Dichloropropane
 Concen: 54.275 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

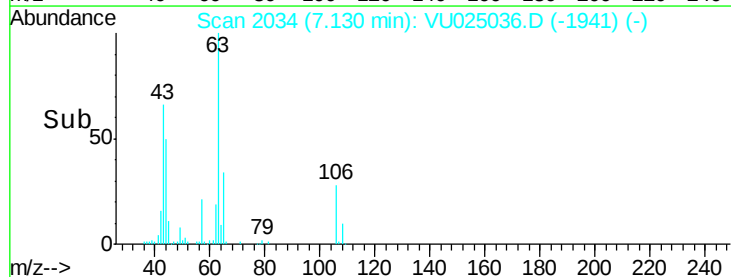
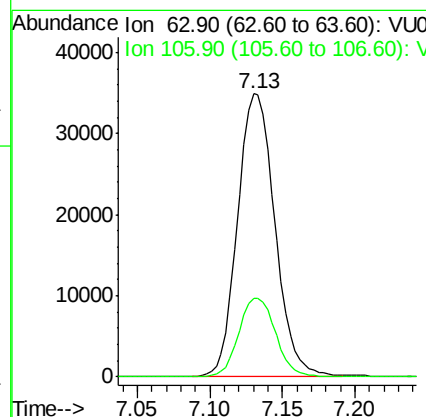
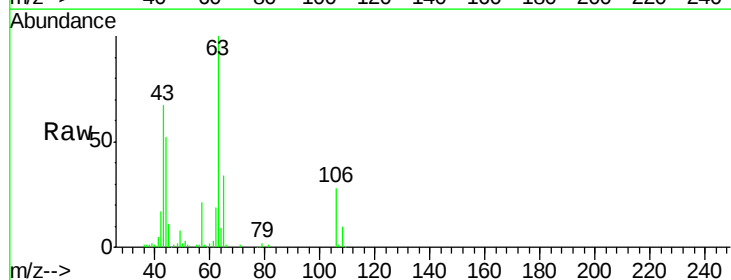
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 227890
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 39.327 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 63 Resp: 62767
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2

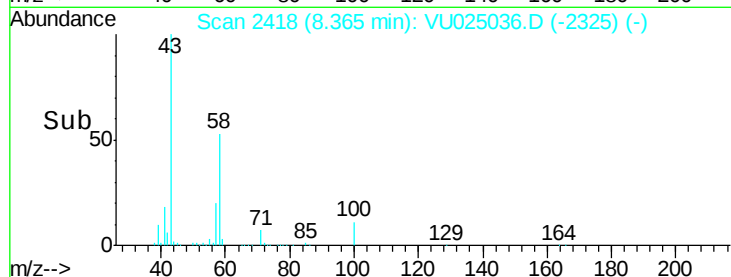
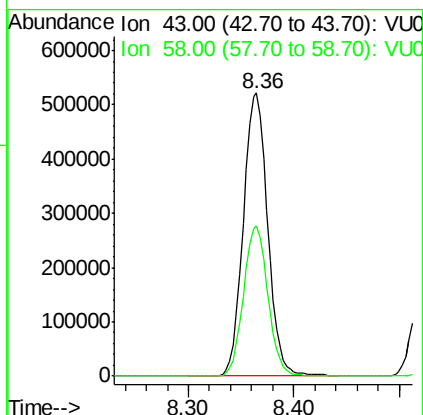
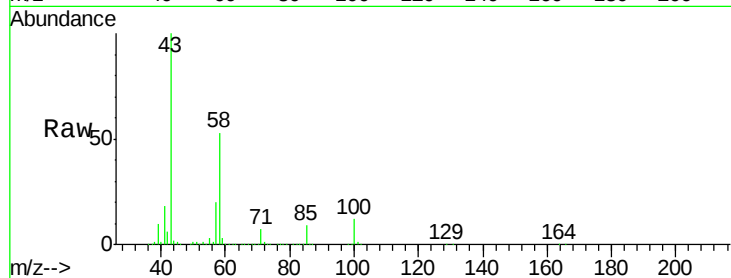




#59
2-Hexanone
Concen: 260.225 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

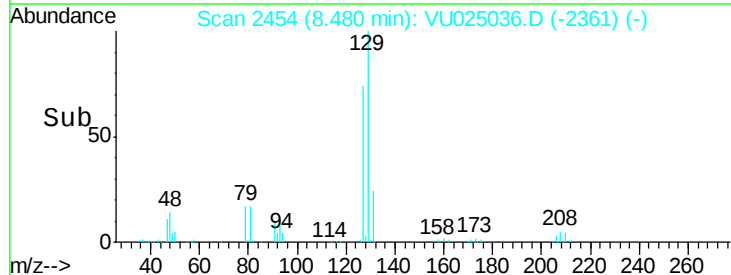
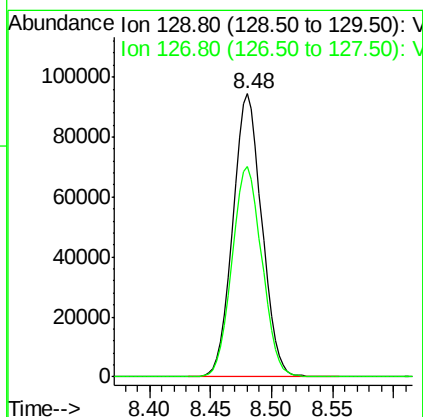
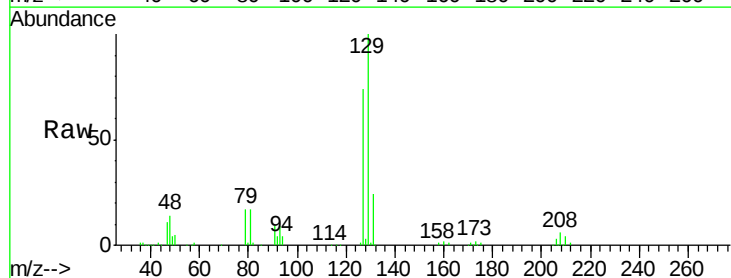
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 839914
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0



#60
Dibromochloromethane
Concen: 50.335 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 129 Resp: 156233
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0

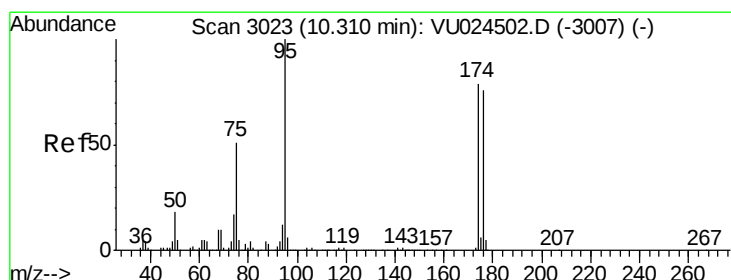
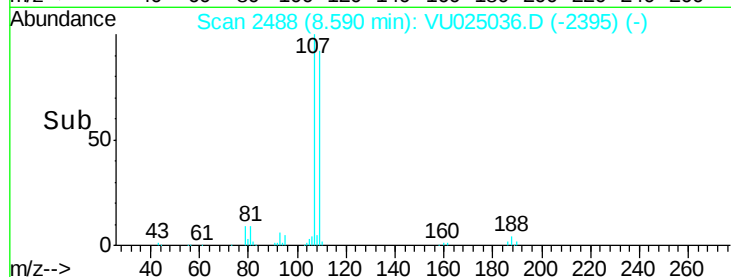
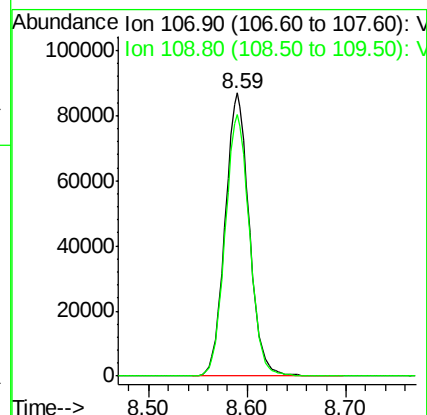
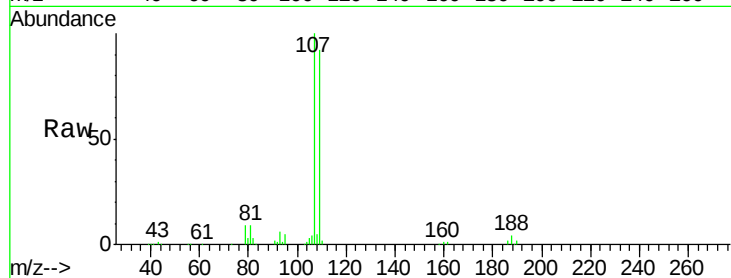




#61
 1,2-Dibromoethane
 Concen: 53.836 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

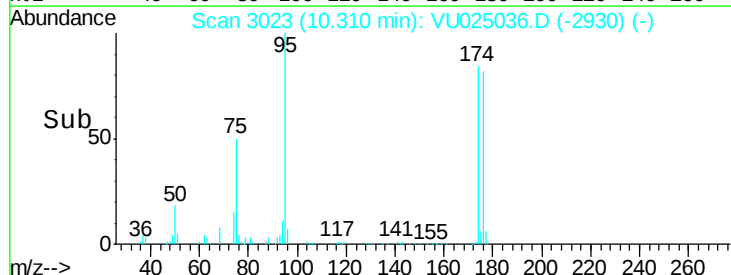
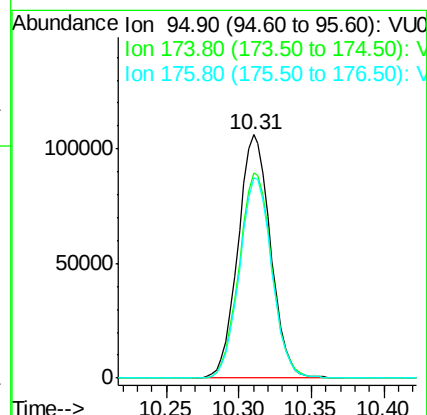
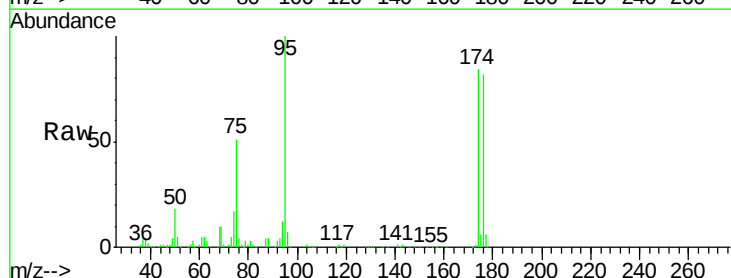
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 149148
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 48.484 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 95 Resp: 165644
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 165.8
 176 81.9 0.0 159.4

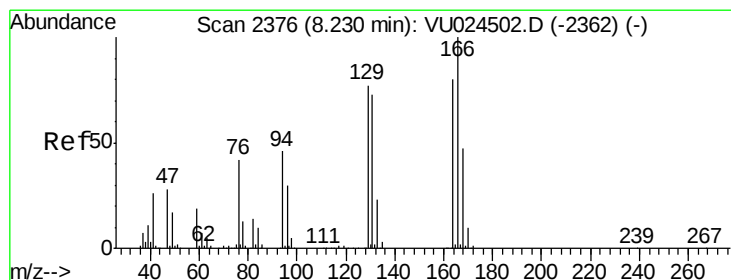
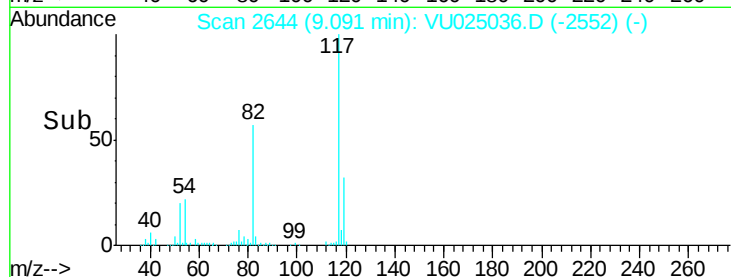
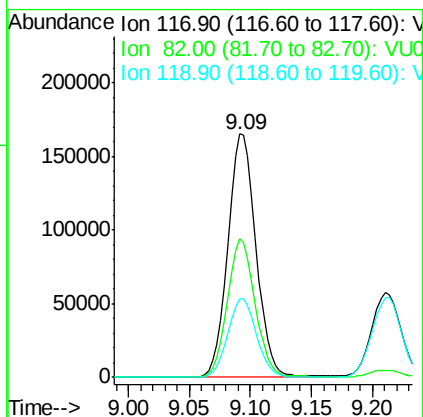
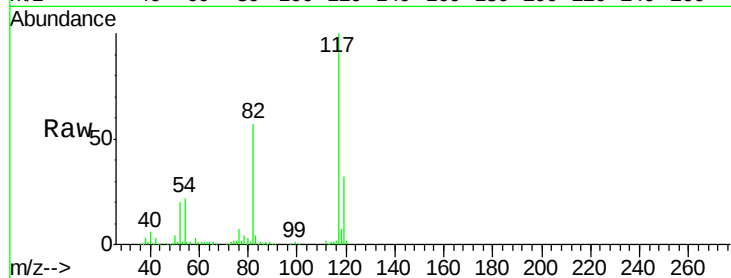




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

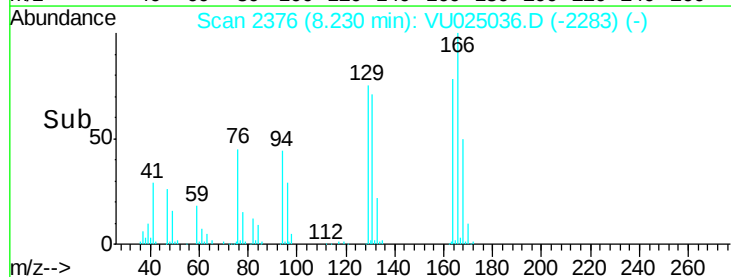
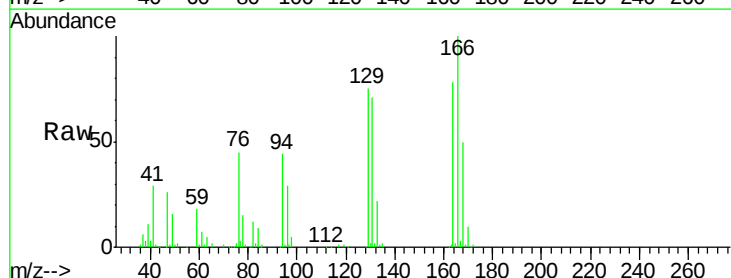
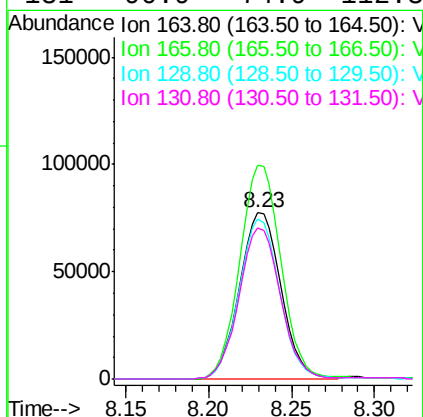
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 267789
Ion Ratio Lower Upper
117 100
82 56.7 44.3 66.5
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 53.071 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion:164 Resp: 135088
Ion Ratio Lower Upper
164 100
166 128.4 101.7 152.5
129 96.6 76.9 115.3
131 90.9 74.9 112.3

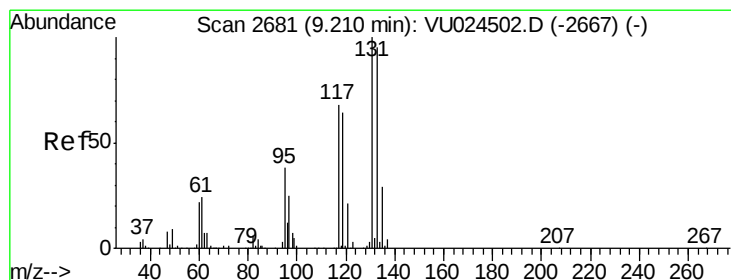
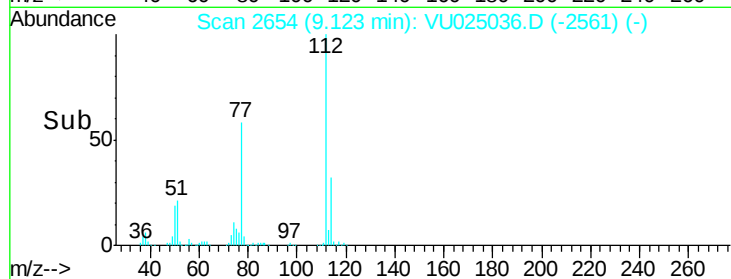
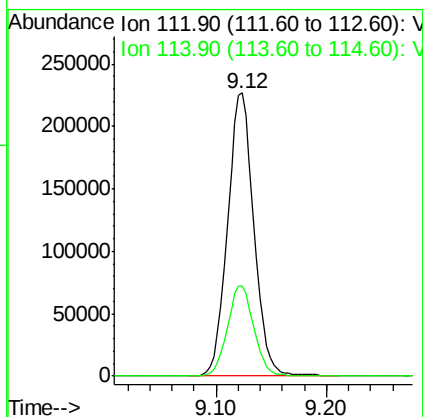
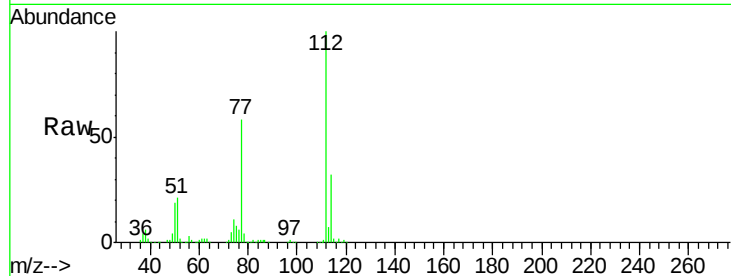




#65
Chlorobenzene
Concen: 54.775 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

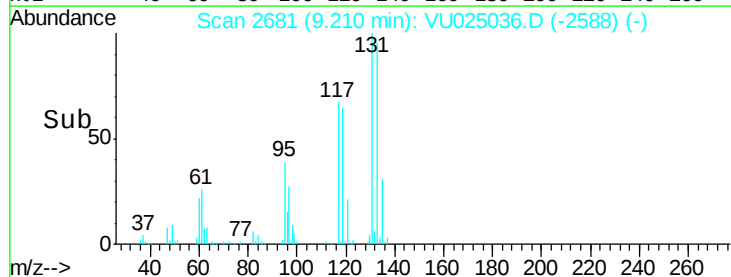
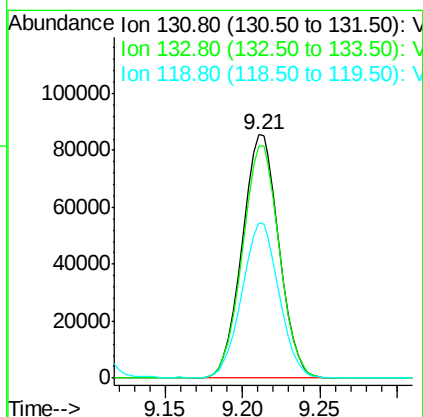
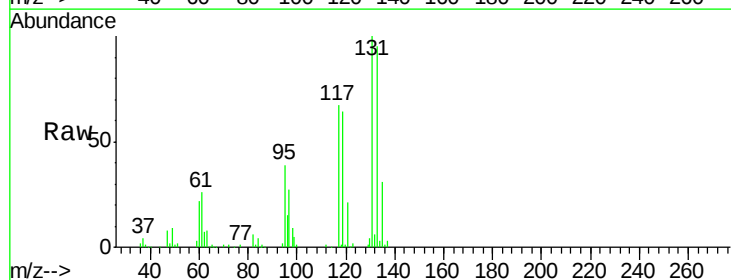
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

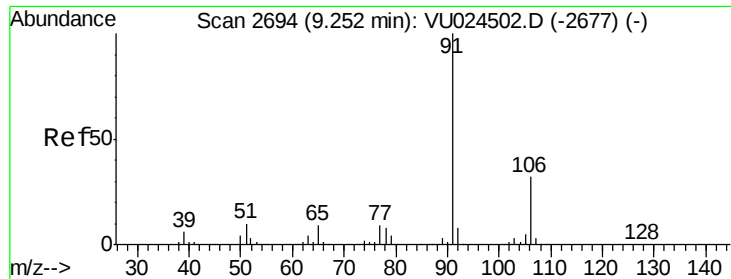
Tgt Ion:112 Resp: 374714
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.587 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion:131 Resp: 141875
Ion Ratio Lower Upper
131 100
133 95.7 46.9 140.8
119 64.1 33.5 100.4

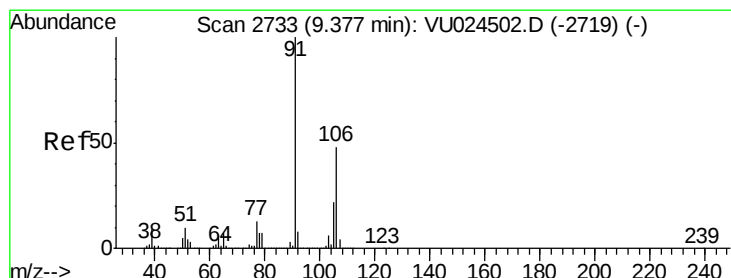
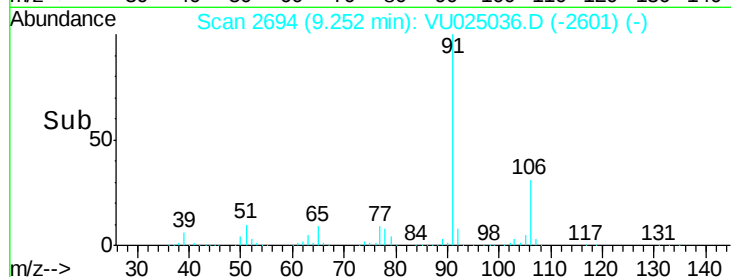
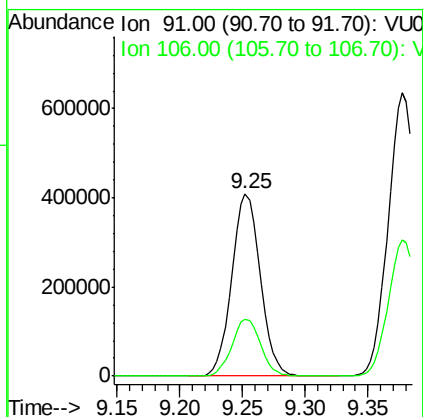
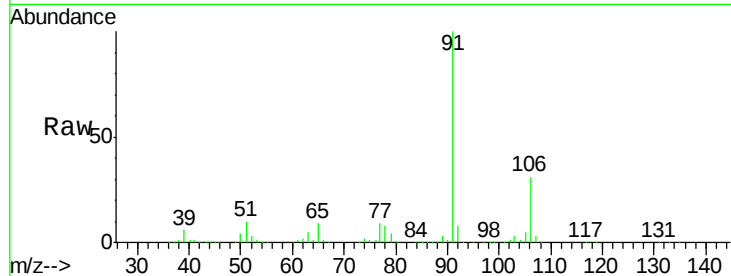




#67
Ethyl Benzene
Concen: 54.096 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

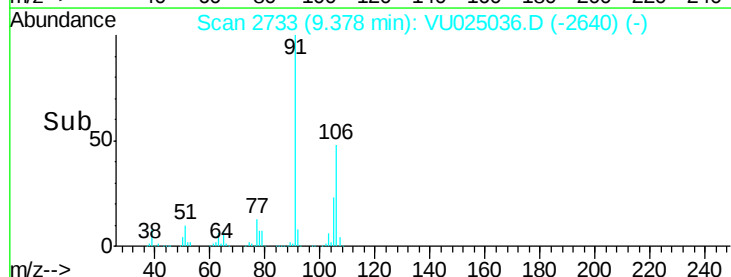
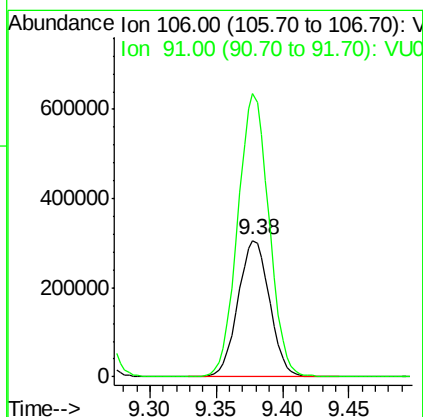
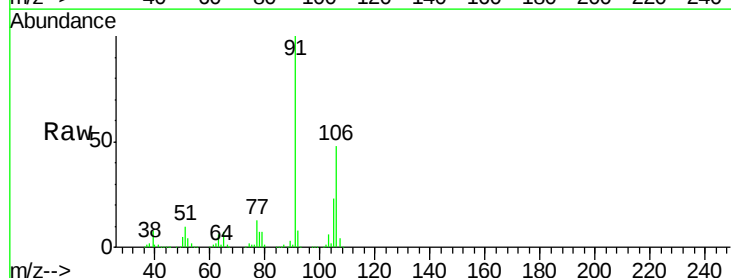
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 648764
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4



#68
m/p-Xylenes
Concen: 109.922 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 106 Resp: 506220
Ion Ratio Lower Upper
106 100
91 205.8 166.5 249.7

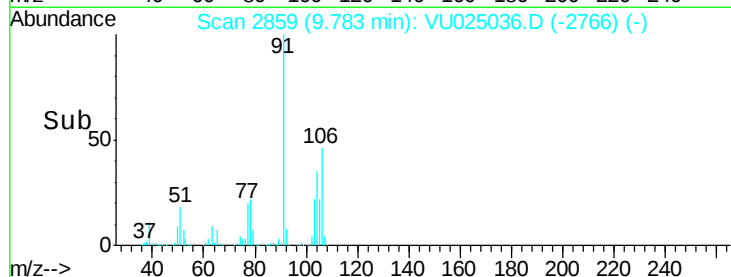
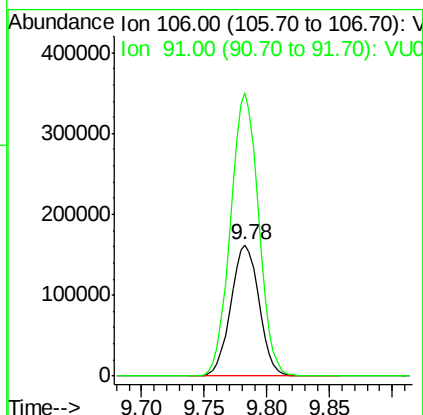
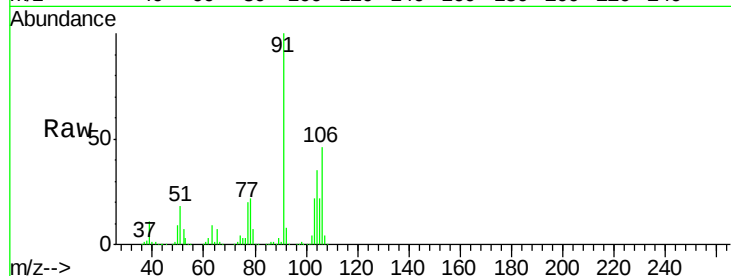




#69
o-Xylene
Concen: 55.763 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

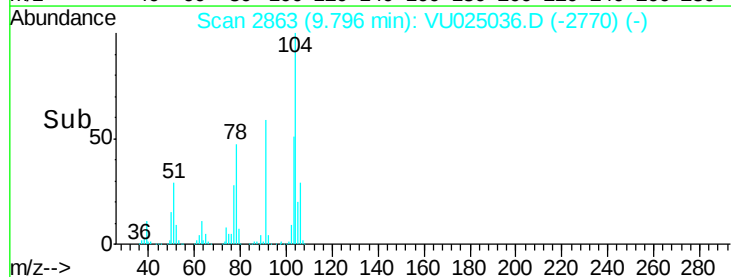
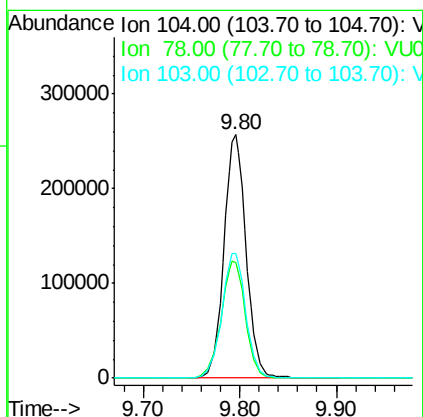
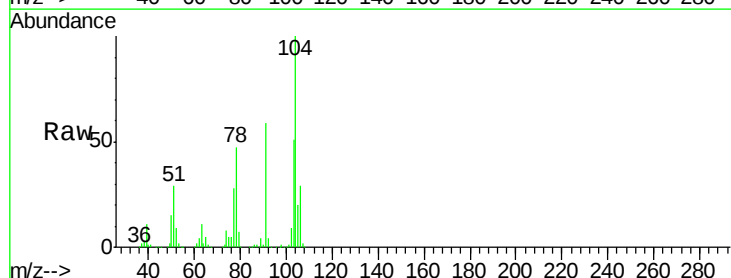
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

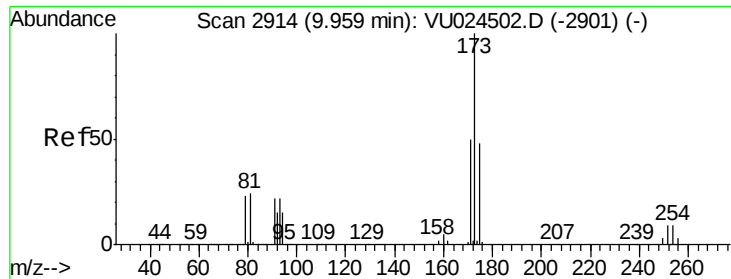
Tgt Ion:106 Resp: 254149
Ion Ratio Lower Upper
106 100
91 215.4 110.7 331.9



#70
Styrene
Concen: 54.177 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion:104 Resp: 405771
Ion Ratio Lower Upper
104 100
78 52.4 40.6 60.8
103 55.4 44.7 67.1





#71

Bromoform

Concen: 50.298 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

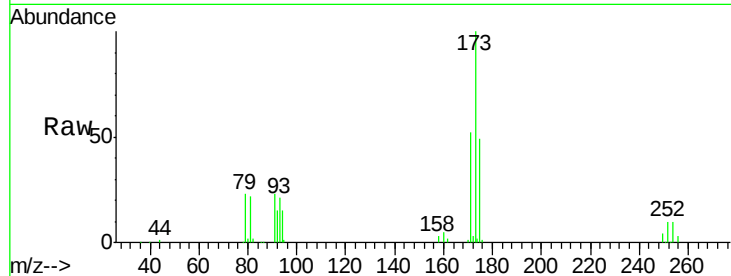
Tgt Ion:173 Resp: 124255

Ion Ratio Lower Upper

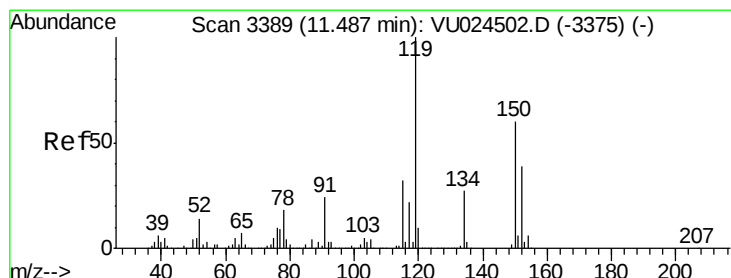
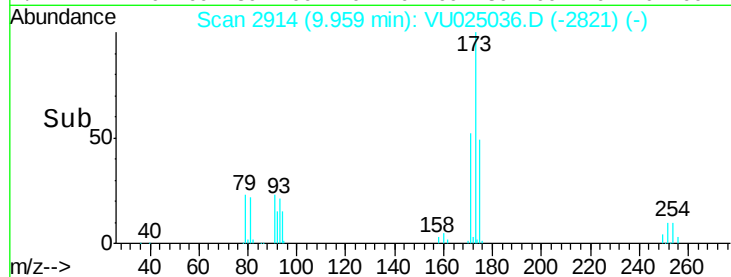
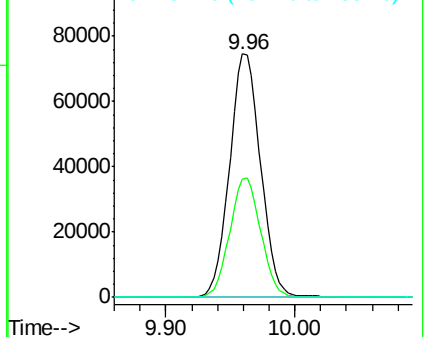
173 100

175 48.8 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: VU025036.D

Acq: 28 Jun 2018 21:57

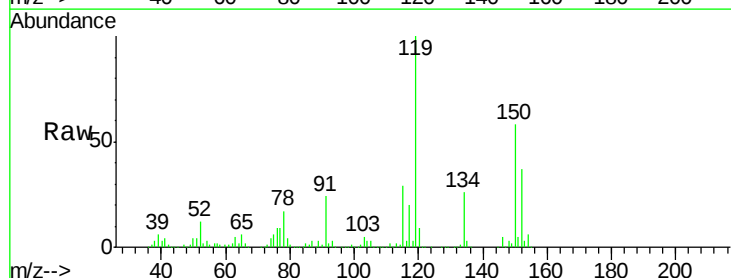
Tgt Ion:152 Resp: 165349

Ion Ratio Lower Upper

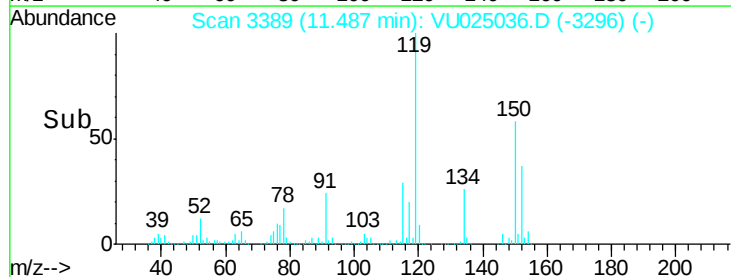
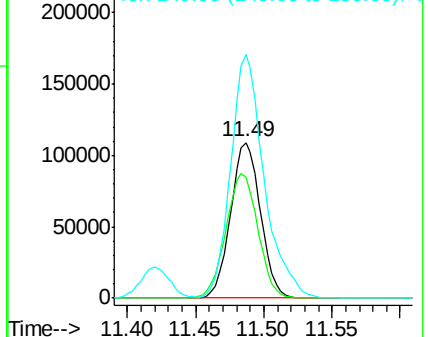
152 100

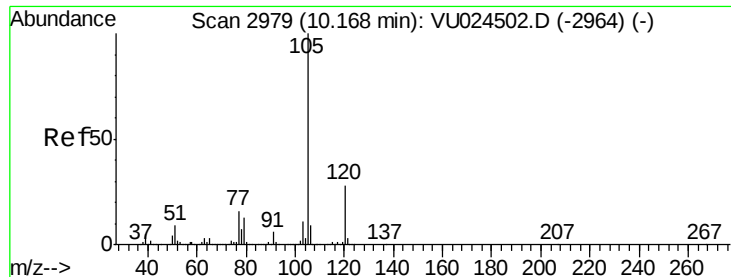
115 85.8 43.0 129.0

150 175.8 0.0 354.0



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





#73

Isopropylbenzene

Concen: 53.619 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

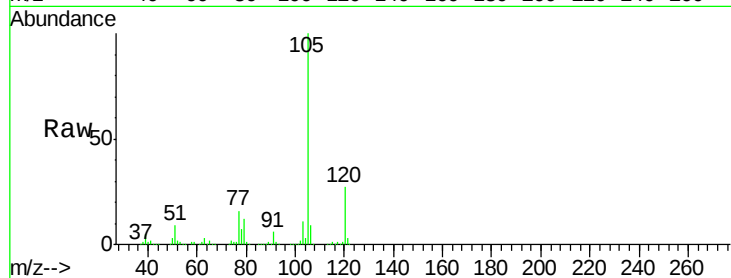
VSTDCCC050

Tgt Ion:105 Resp: 680680

Ion Ratio Lower Upper

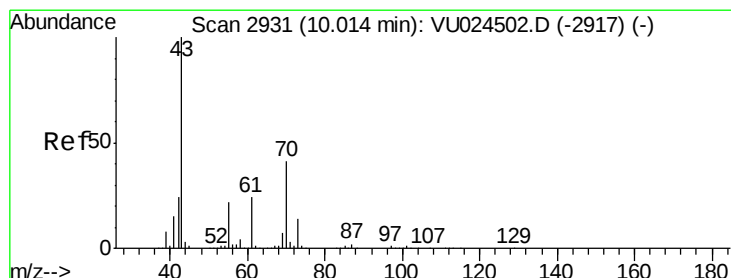
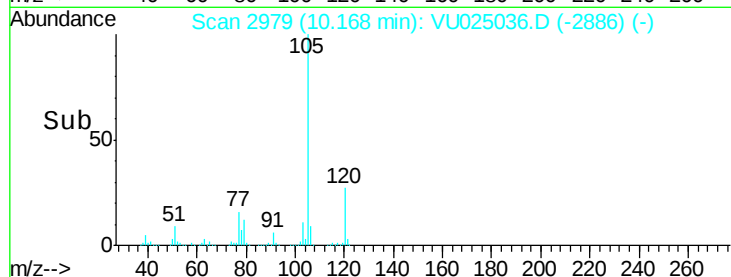
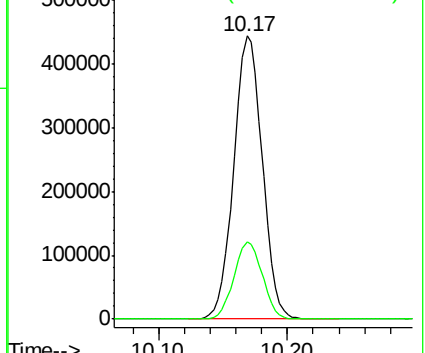
105 100

120 27.3 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: 48.396 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Tgt Ion: 43 Resp: 292230

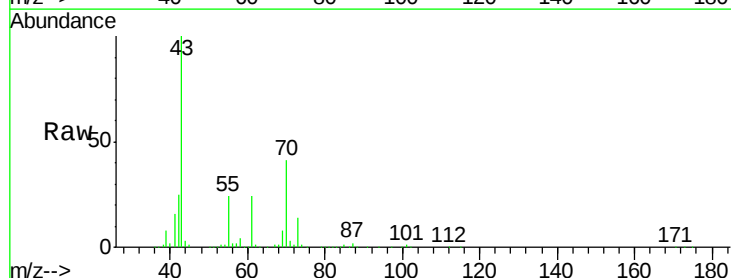
Ion Ratio Lower Upper

43 100

70 41.7 32.2 48.4

55 24.2 20.5 30.7

61 24.0 18.7 28.1

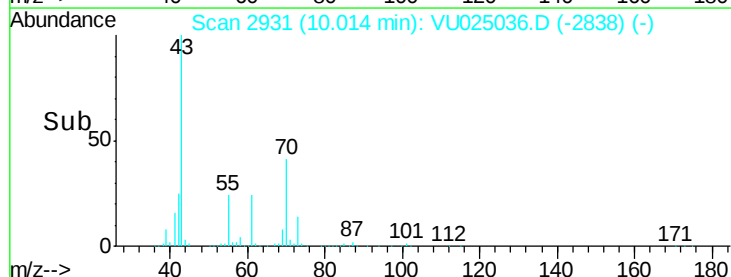
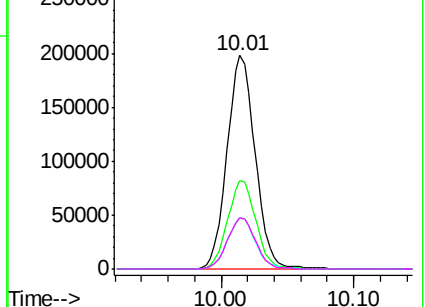


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 53.719 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

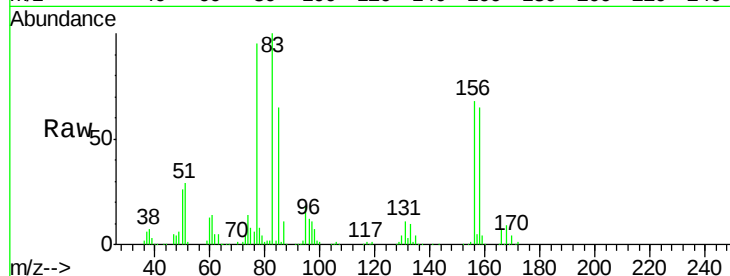
Tgt Ion: 83 Resp: 228525

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

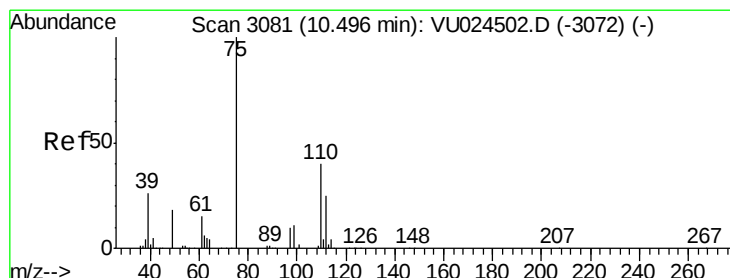
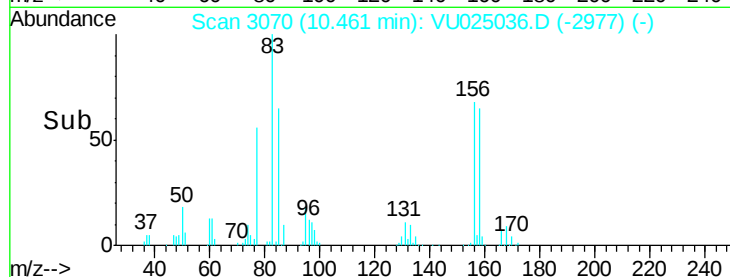
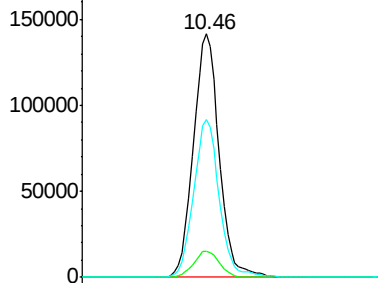
85 64.6 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025036.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025036.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025036.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 73.258 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025036.D

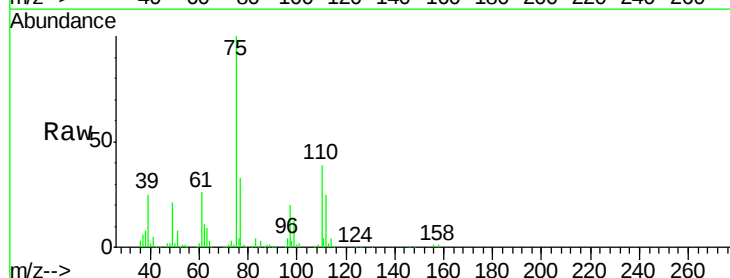
Acq: 28 Jun 2018 21:57

Tgt Ion: 75 Resp: 266688

Ion Ratio Lower Upper

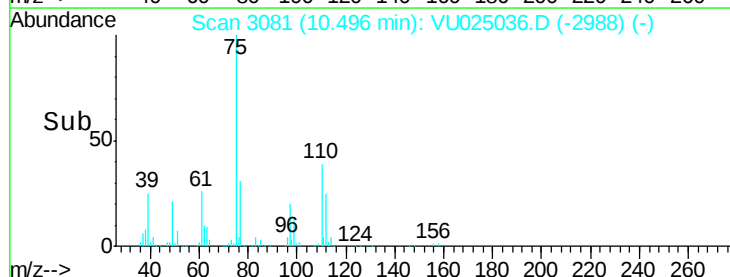
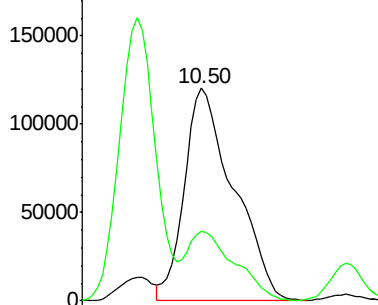
75 100

77 30.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025036.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025036.D (-2988) (-)





#77

Bromobenzene

Concen: 55.002 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

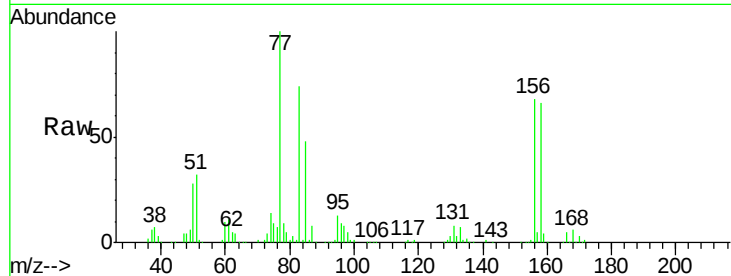
Tgt Ion:156 Resp: 176768

Ion Ratio Lower Upper

156 100

77 147.2 80.5 241.3

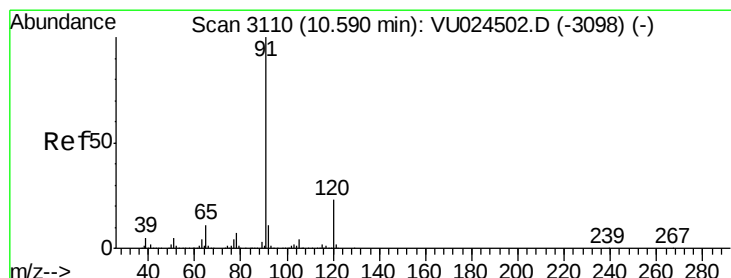
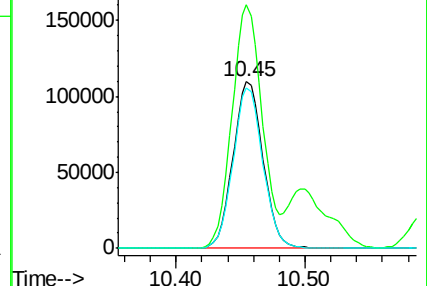
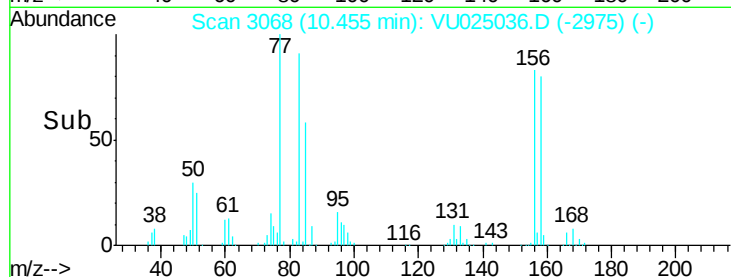
158 96.0 48.2 144.6



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: 51.308 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025036.D

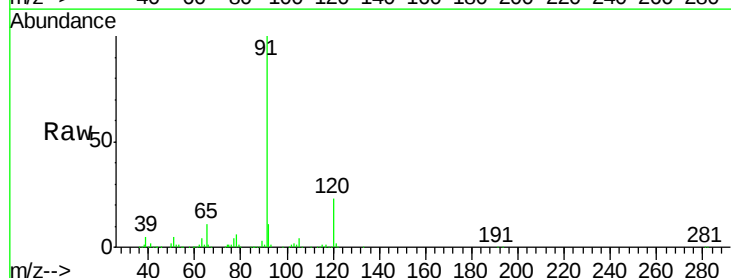
Acq: 28 Jun 2018 21:57

Tgt Ion: 91 Resp: 767278

Ion Ratio Lower Upper

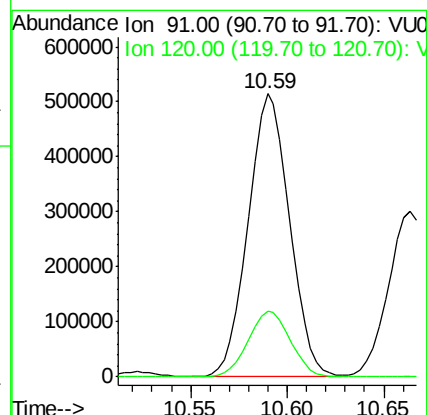
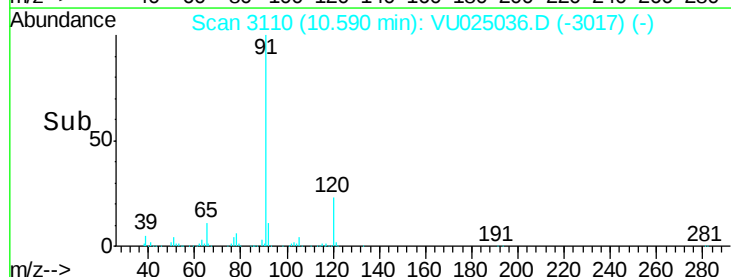
91 100

120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

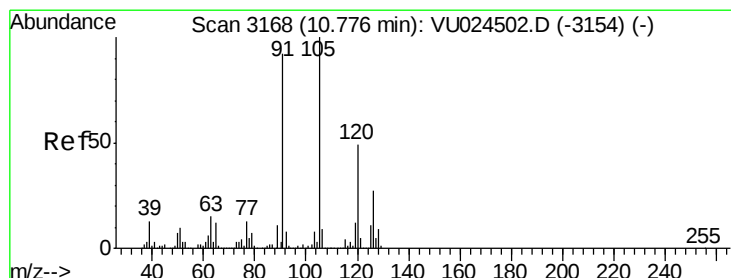
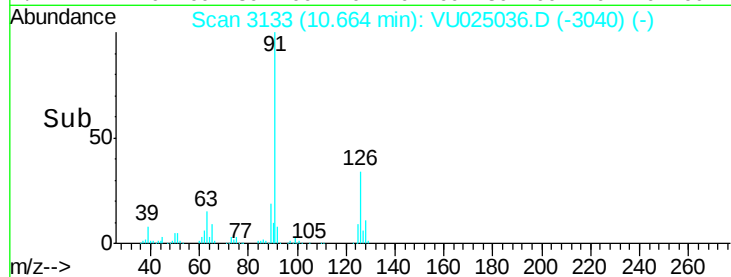
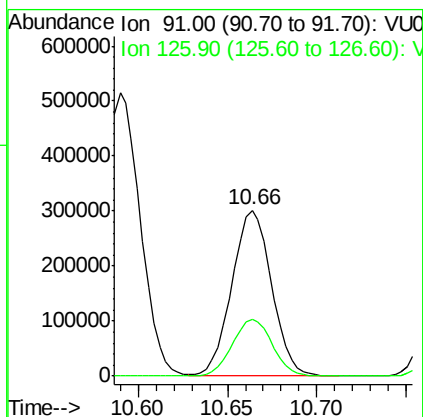
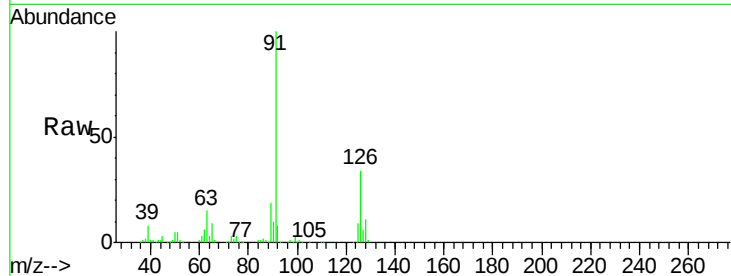




#79
 2-Chlorotoluene
 Concen: 52.978 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

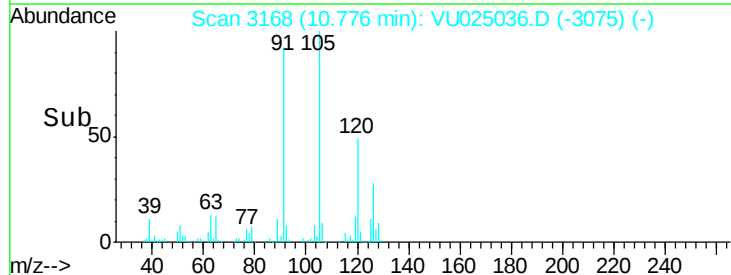
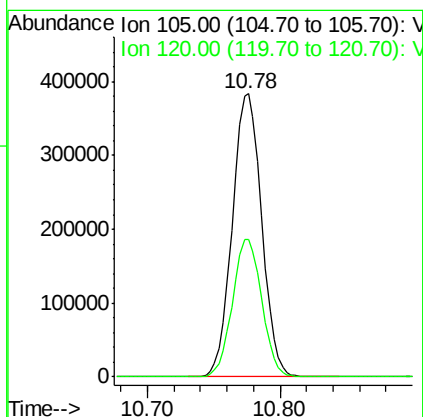
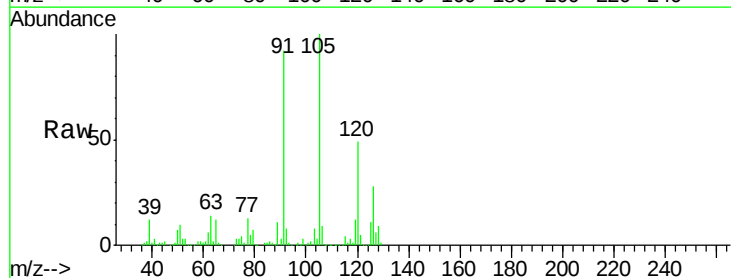
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 467203
 Ion Ratio Lower Upper
 91 100
 126 34.8 16.9 50.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.563 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion: 105 Resp: 589357
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2

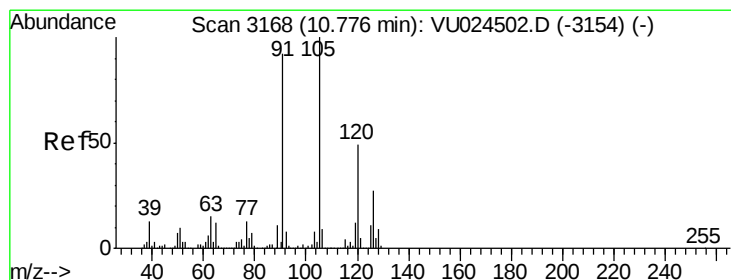
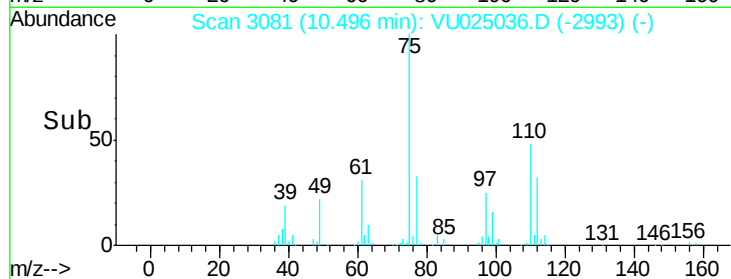
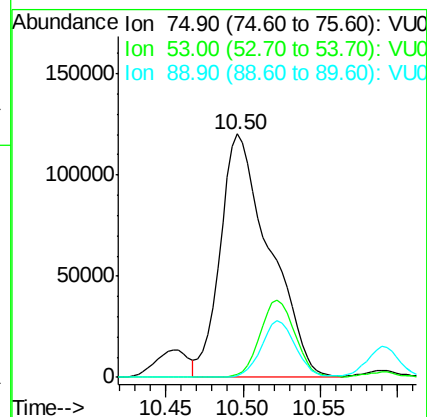
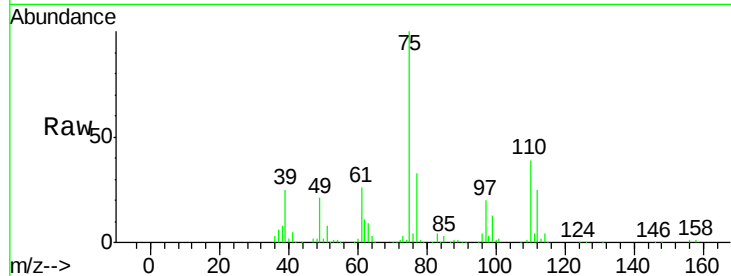




#81
trans-1,4-Dichloro-2-butene
Concen: 169.550 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

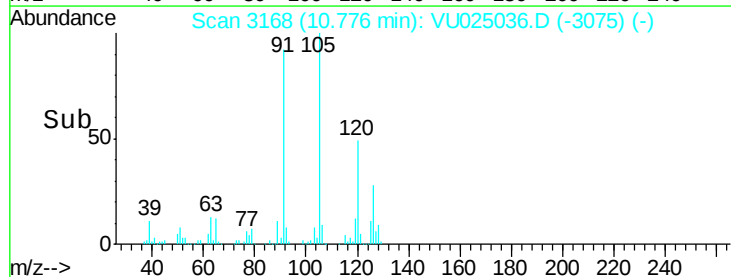
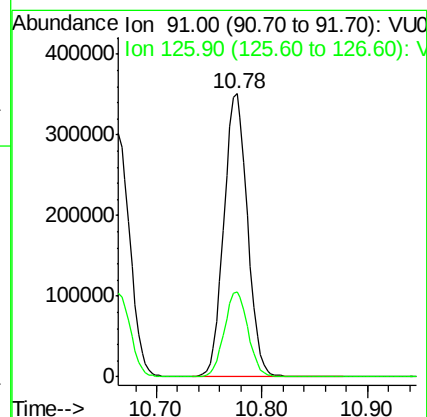
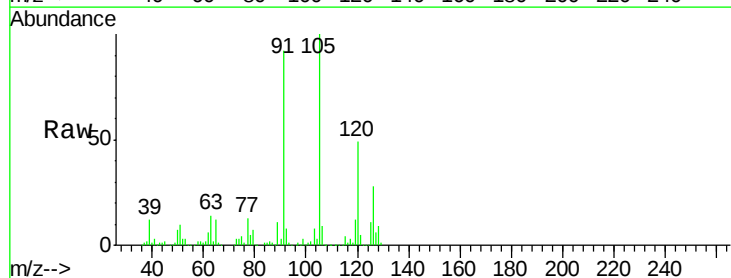
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

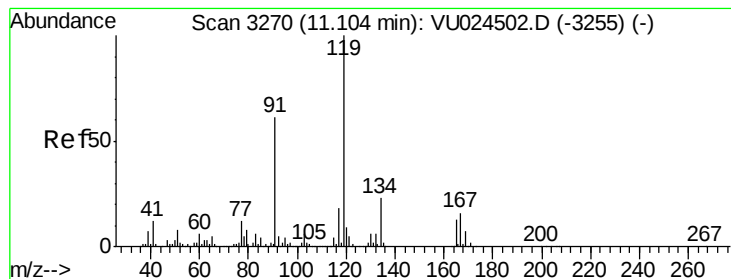
Tgt Ion: 75 Resp: 266688
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 52.830 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025036.D
Acq: 28 Jun 2018 21:57

Tgt Ion: 91 Resp: 542261
Ion Ratio Lower Upper
91 100
126 30.3 14.9 44.9





#83

tert-Butylbenzene

Concen: 55.103 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

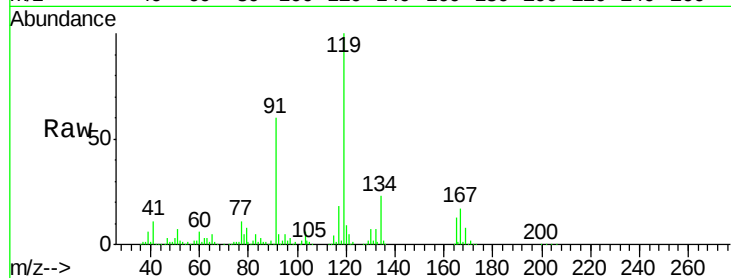
Tgt Ion:119 Resp: 583229

Ion Ratio Lower Upper

119 100

91 59.9 29.7 89.1

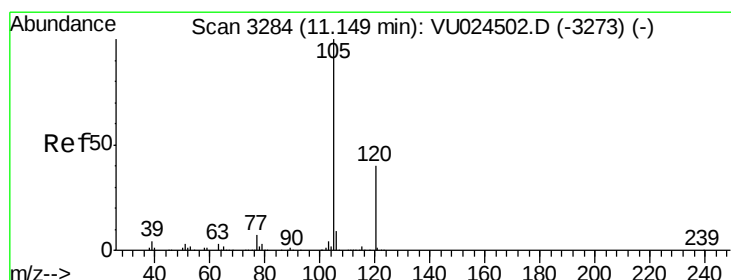
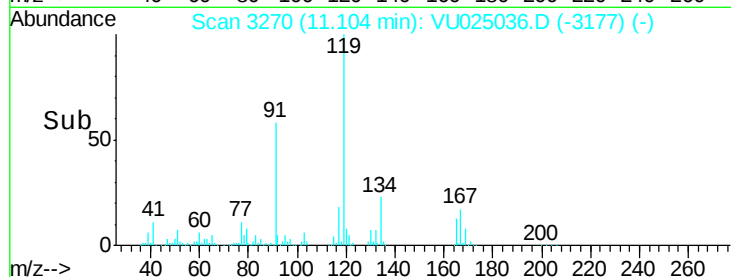
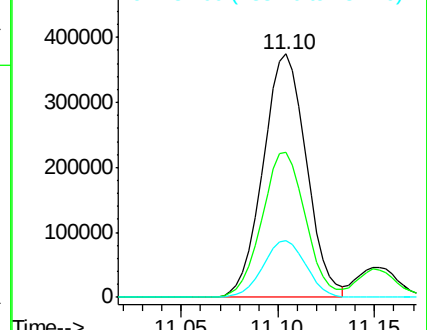
134 23.1 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.617 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025036.D

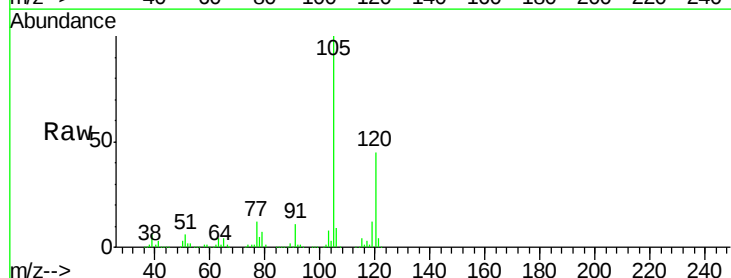
Acq: 28 Jun 2018 21:57

Tgt Ion:105 Resp: 601225

Ion Ratio Lower Upper

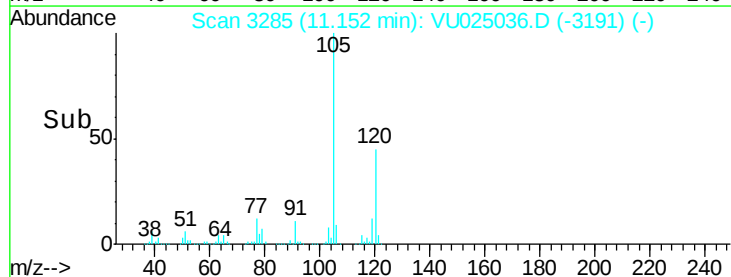
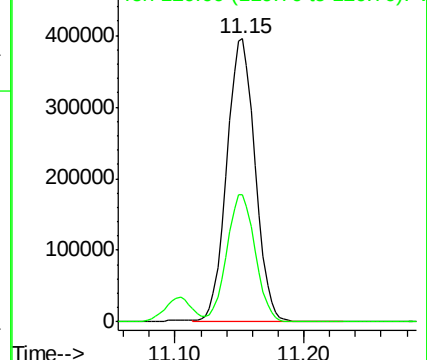
105 100

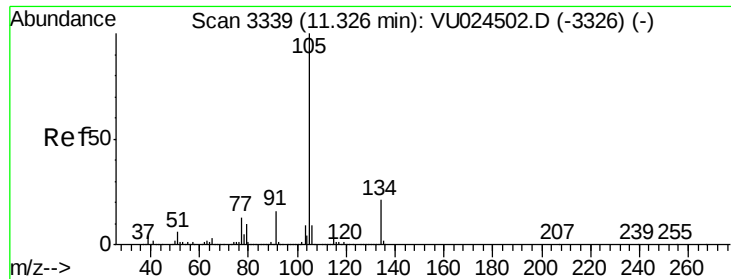
120 45.0 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

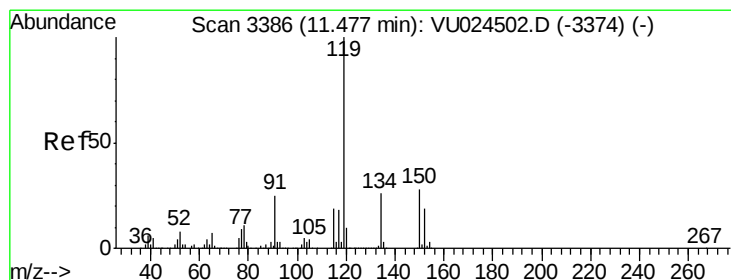
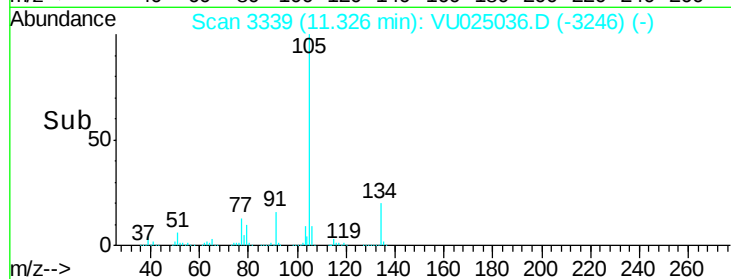
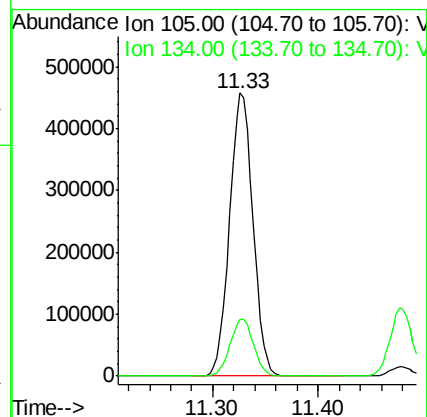
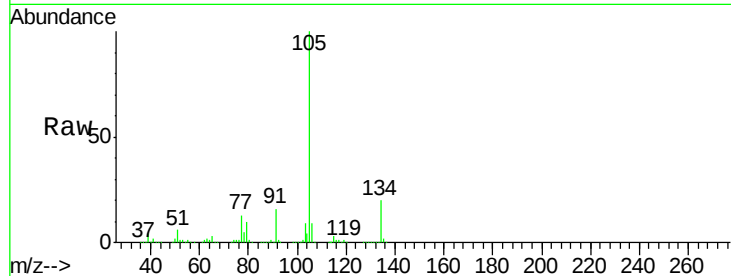




#85
 sec-Butylbenzene
 Concen: 52.746 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

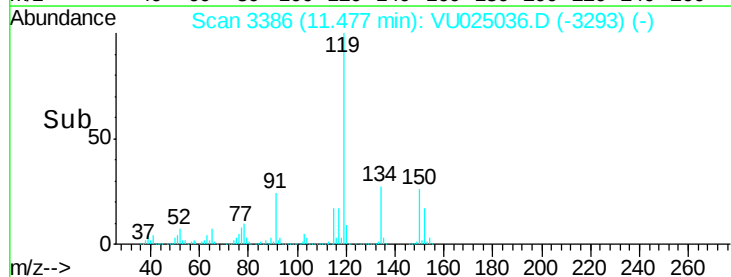
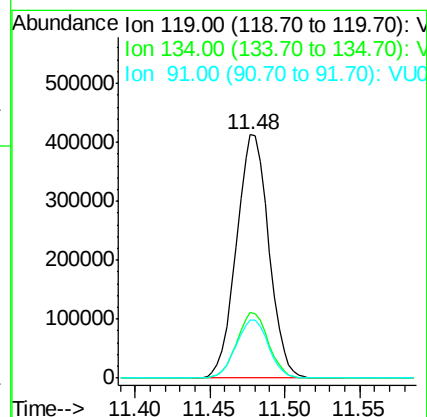
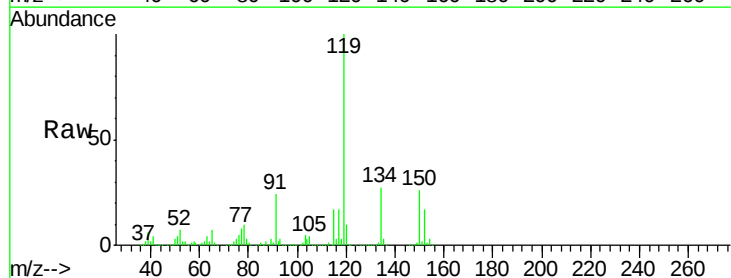
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 698812
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 52.344 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion:119 Resp: 621101
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 24.2 12.0 36.1

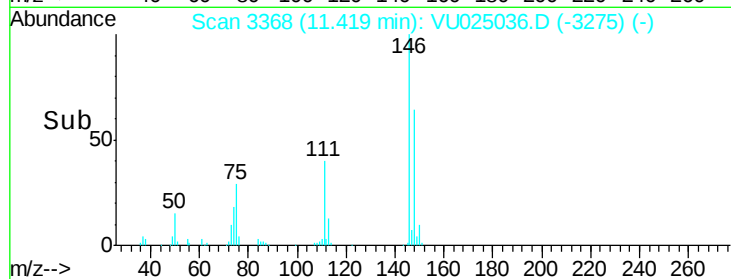
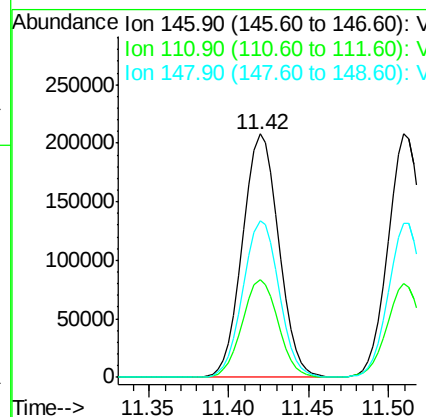
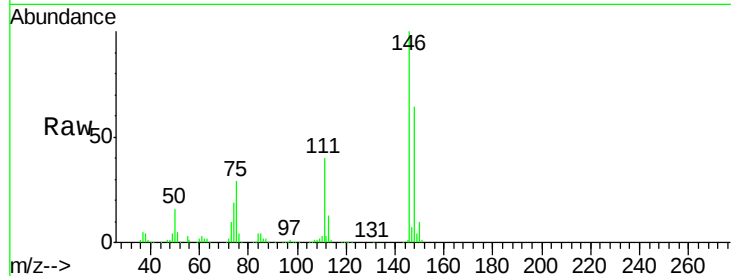




#87
 1,3-Dichlorobenzene
 Concen: 53.973 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

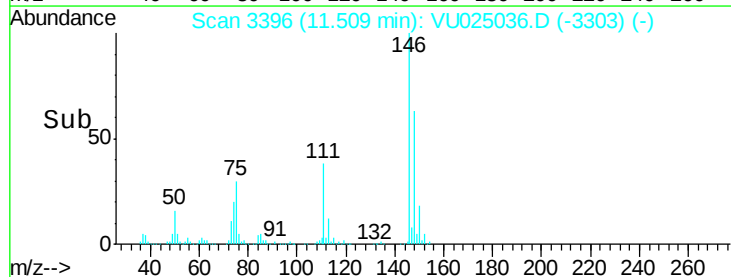
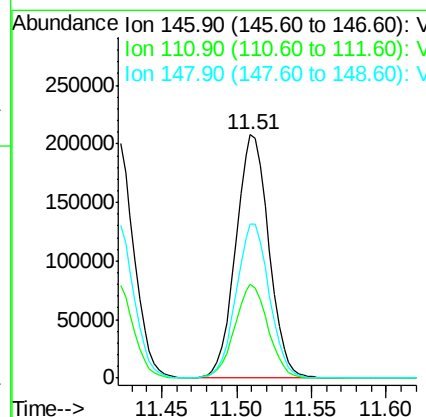
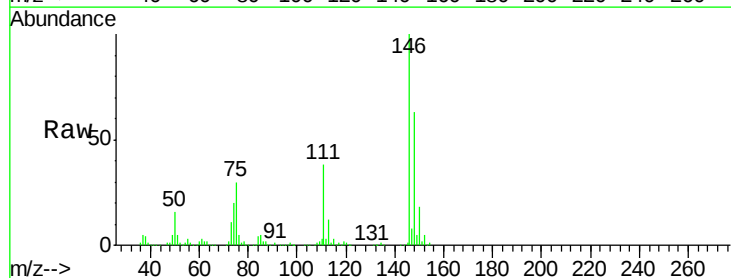
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

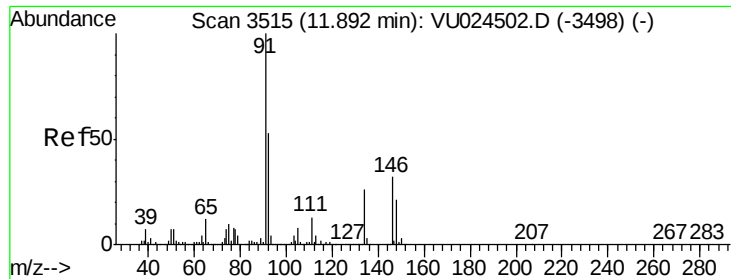
Tgt Ion:146 Resp: 320471
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.0 60.0
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.445 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion:146 Resp: 319402
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.5 58.5
 148 63.9 32.4 97.0





#89

n-Butylbenzene

Concen: 47.985 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

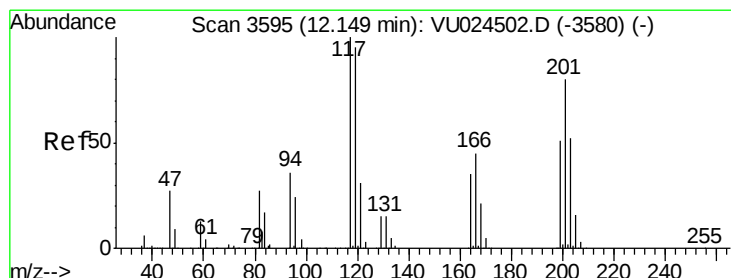
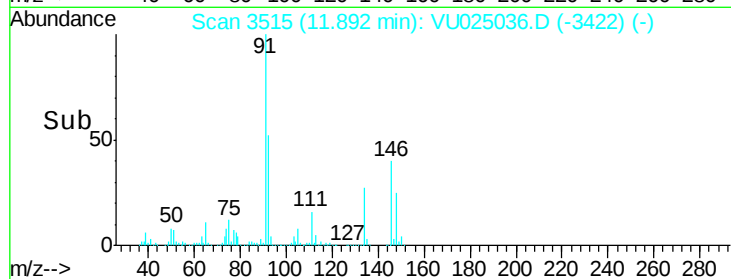
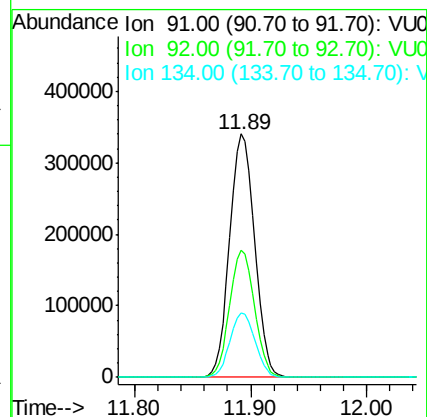
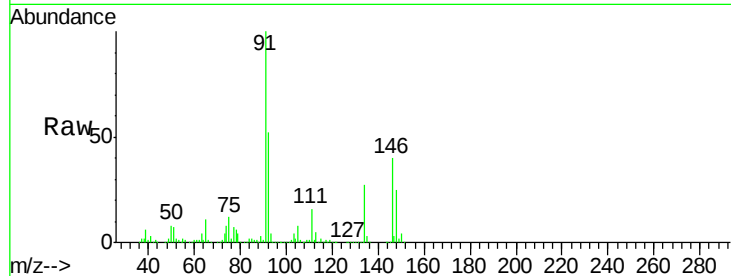
Tgt Ion: 91 Resp: 505498

Ion Ratio Lower Upper

91 100

92 51.9 25.6 76.8

134 26.7 12.3 36.8



#90

Hexachloroethane

Concen: 47.417 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025036.D

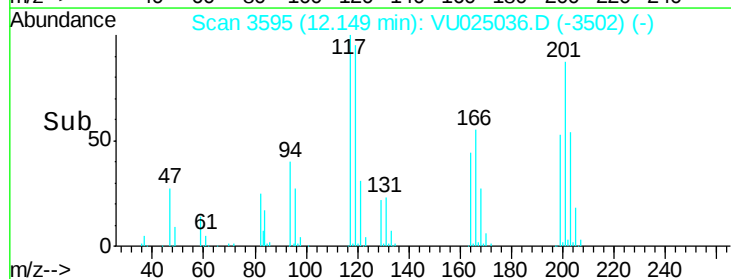
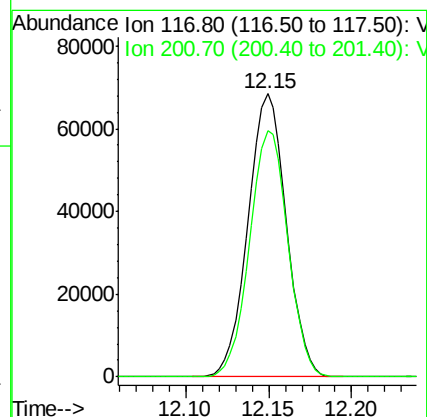
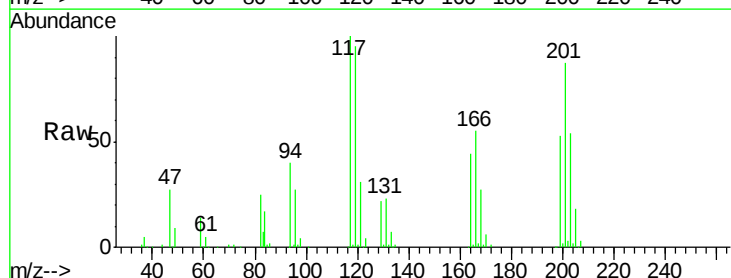
Acq: 28 Jun 2018 21:57

Tgt Ion: 117 Resp: 109756

Ion Ratio Lower Upper

117 100

201 87.0 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 55.803 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

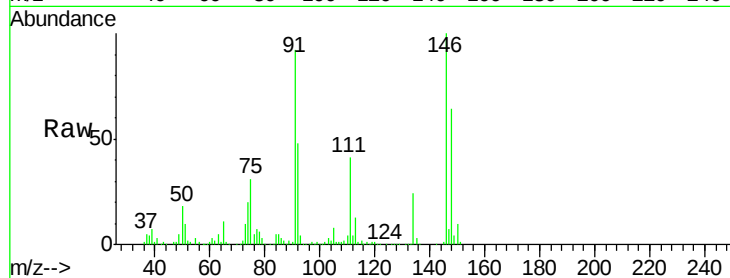
Tgt Ion:146 Resp: 331878

Ion Ratio Lower Upper

146 100

111 40.7 20.5 61.6

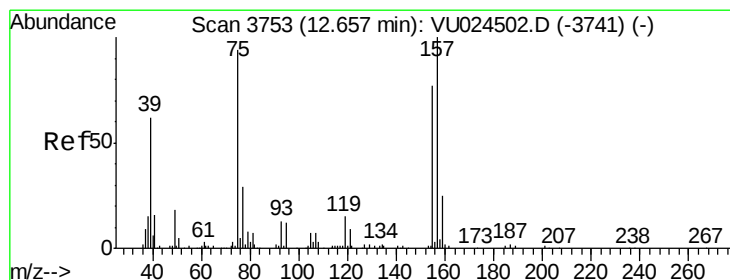
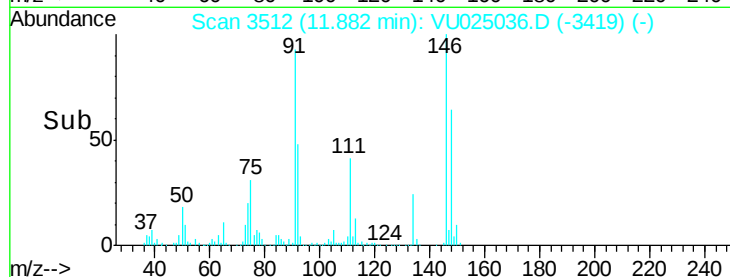
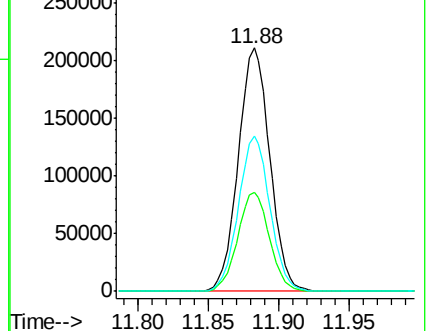
148 63.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.389 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

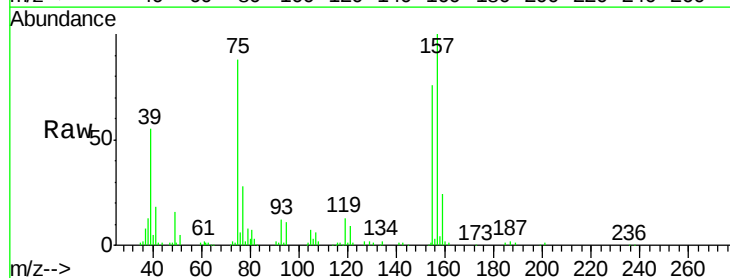
Tgt Ion: 75 Resp: 61495

Ion Ratio Lower Upper

75 100

155 86.1 40.4 121.2

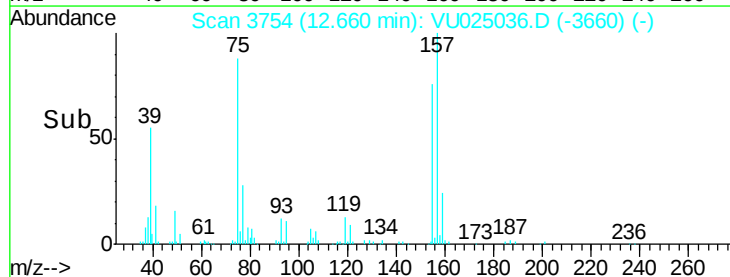
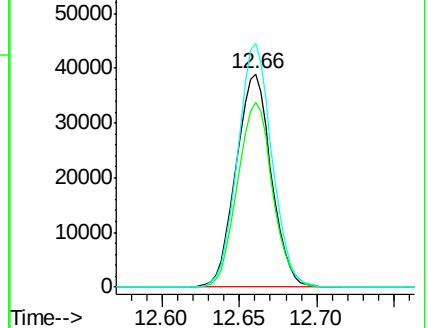
157 111.6 52.3 156.8

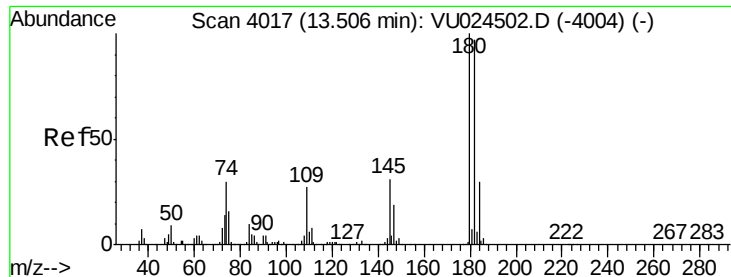


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

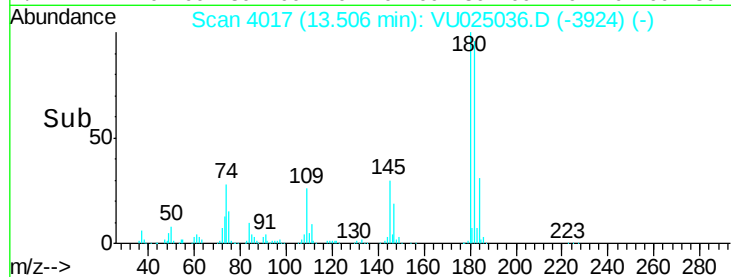
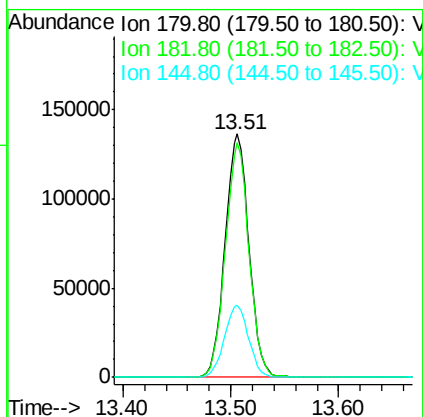
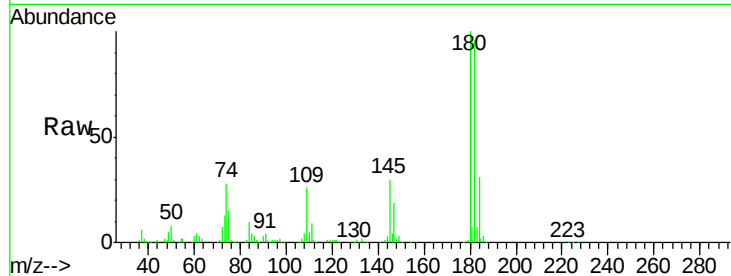




#93
 1,2,4-Trichlorobenzene
 Concen: 57.370 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

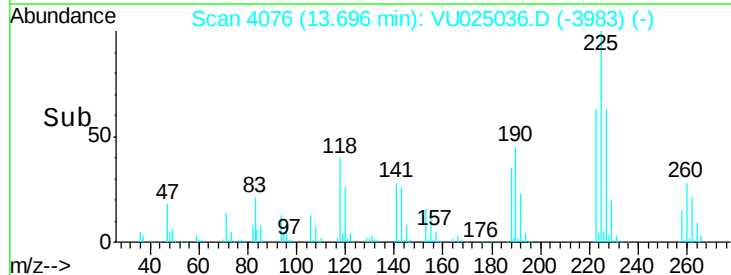
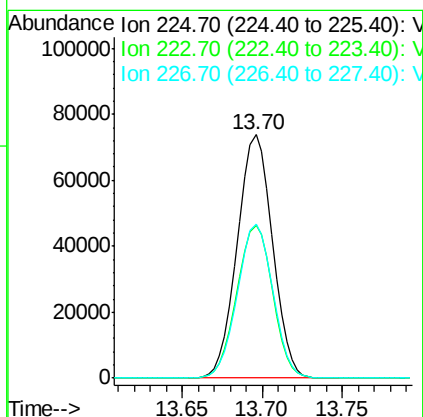
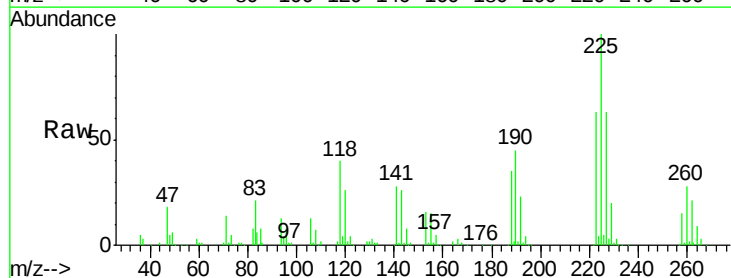
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 210695
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 29.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 53.530 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025036.D
 Acq: 28 Jun 2018 21:57

Tgt Ion:225 Resp: 110654
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.3 93.8
 227 63.5 31.8 95.4





#95

Naphthalene

Concen: 56.880 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

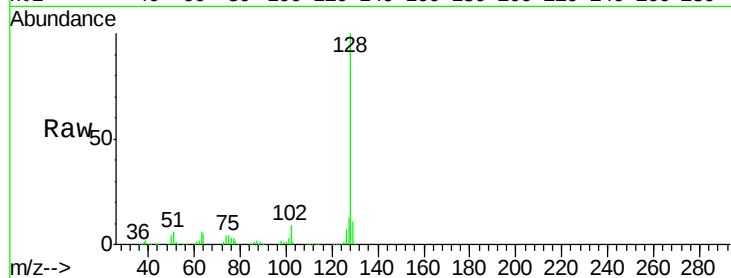
Tgt Ion:128 Resp: 692704

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

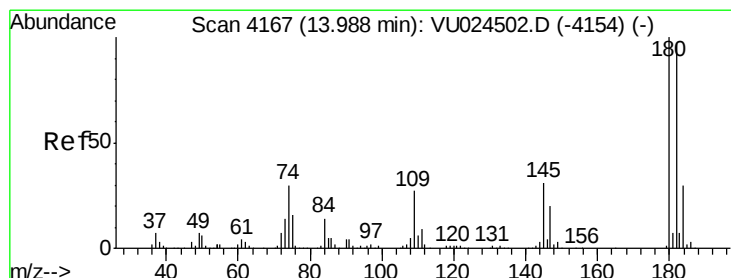
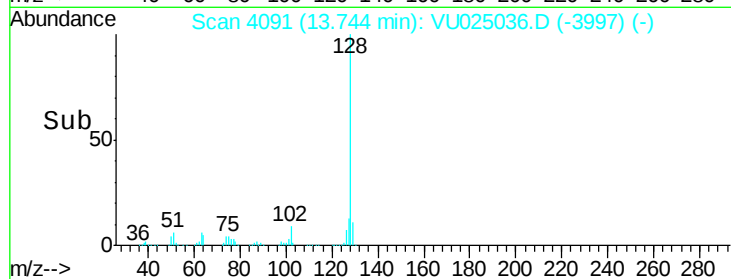
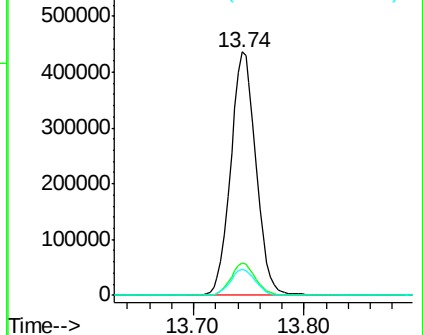
129 10.6 8.6 12.8



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: 59.497 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025036.D

Acq: 28 Jun 2018 21:57

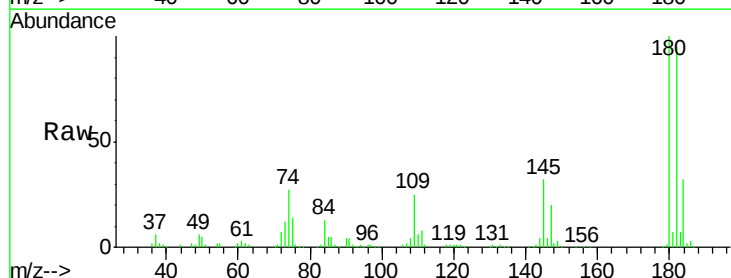
Tgt Ion:180 Resp: 217730

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 31.5 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

