

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012320\
 Data File : VU036546.D
 Acq On : 23 Jan 2020 18:23
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 00:55:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	35634	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.65	95	13072	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13466	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	116168	9.862	ug/l 100
3) Chloromethane	1.54	50	132706	10.509	ug/l 99
4) Vinyl Chloride	1.62	62	140559	9.827	ug/l 98
5) Bromomethane	1.87	94	74472	8.379	ug/l 99
6) Chloroethane	1.95	64	74395	8.780	ug/l 100
7) Trichlorofluoromethane	2.16	101	139948	9.903	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88844	10.092	ug/l 97
9) 1,1-Dichloroethene	2.61	96	92153	9.834	ug/l 99
10) Iodomethane	2.75	142	106619	8.414	ug/l 99
11) Allyl Chloride	2.95	41	125170	9.661	ug/l 100
12) Acrylonitrile	3.37	53	43343	18.858	ug/l 97
13) Acetone	2.67	43	68497	43.850	ug/l 99
14) Carbon Disulfide	2.82	76	313500	9.660	ug/l 100
15) Methylene Chloride	3.08	84	107156	8.682	ug/l 97
16) trans-1,2-Dichloroethene	3.39	96	100293	9.703	ug/l 99
17) 1,1-Dichloroethane	3.91	63	167208	9.926	ug/l 100
18) 2-Butanone	4.78	43	110523	44.791	ug/l 99
19) Cyclohexane	5.43	56	137837	8.953	ug/l 91
20) Methylcyclohexane	6.80	83	173364	10.085	ug/l 100
21) 2,2-Dichloropropane	4.71	77	142601	9.916	ug/l 100
22) cis-1,2-Dichloroethene	4.71	96	105081	9.798	ug/l 98
23) Diethyl Ether	2.41	59	72139	9.966	ug/l 98
24) tert-Butyl Alcohol	3.27	59	63373	97.962	ug/l 99
25) Methyl tert-Butyl Ether	3.42	73	240514	9.795	ug/l 98
26) Bromochloromethane	5.02	128	45432	9.781	ug/l 100
27) Chloroform	5.13	83	165146	9.912	ug/l 98
28) 1,1,1-Trichloroethane	5.36	97	141184	10.105	ug/l 99
29) 1,1-Dichloropropene	5.56	75	133700	9.805	ug/l 99
30) Carbon Tetrachloride	5.56	117	119469	9.986	ug/l 99
31) Isopropyl Ether	4.06	45	254481	9.952	ug/l 100
32) Ethyl-t-butyl ether	4.56	59	264993	9.905	ug/l 99
33) Tert-Amyl methyl ether	5.99	73	242956	9.918	ug/l 100
34) Propionitrile	4.84	54	34513	48.523	ug/l 96
35) Benzene	5.81	78	387877	9.824	ug/l 99
36) 1,2-Dichloroethane	5.84	62	106210	9.993	ug/l 100
37) Trichloroethene	6.58	130	106133	9.736	ug/l 99
38) 1,2-Dichloropropane	6.83	63	98094	9.881	ug/l 99
39) Methacrylonitrile	5.03	41	29441	9.849	ug/l 98
40) Methyl acrylate	4.90	55	51525	10.875	ug/l 100
41) Tetrahydrofuran	5.12	42	29701	18.237	ug/l 97
42) 1-Chlorobutane	5.50	56	174479	9.877	ug/l 100

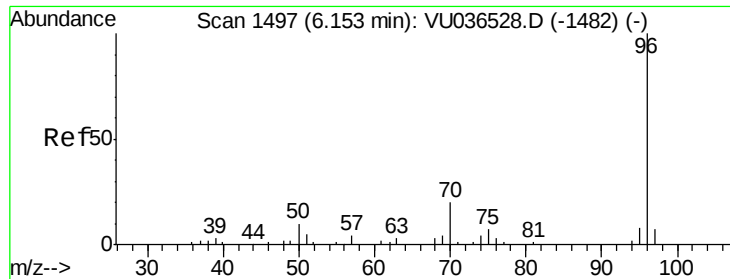
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012320\
 Data File : VU036546.D
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Quant Time: Jan 24 00:55:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	50659	9.777	ug/l	100
44) Bromodichloromethane	7.14	83	122807	10.020	ug/l	98
45) 4-Methyl-2-Pentanone	7.83	43	280651	48.075	ug/l	99
46) t-1,4-Dichloro-2-butene	10.86	75	121058	47.087	ug/l #	63
47) Methyl methacrylate	7.00	69	97807	19.262	ug/l	99
48) Ethyl methacrylate	8.37	69	96260	9.815	ug/l	99
49) Toluene	8.00	92	248396	9.855	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	122836	10.058	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	149475	10.098	ug/l	98
52) 1,1,2-Trichloroethane	8.43	97	73052	9.937	ug/l	97
53) 1,3-Dichloropropane	8.61	76	125022	9.922	ug/l	99
54) 2-Hexanone	8.72	43	194796	47.580	ug/l	99
55) Dibromochloromethane	8.84	129	85471	10.098	ug/l	99
56) 1,2-Dibromoethane	8.95	107	69904	9.875	ug/l	98
58) Tetrachloroethene	8.58	164	91926	8.437	ug/l	99
59) Chlorobenzene	9.47	112	278688	9.927	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	91247	10.176	ug/l	100
61) Pentachloroethane	11.45	117	72420	12.518	ug/l	98
62) Hexachloroethane	12.50	117	74392	10.090	ug/l	99
63) Ethyl Benzene	9.60	91	467002	9.925	ug/l	99
64) m/p-Xylenes	9.72	106	368214	19.771	ug/l	100
65) o-Xylene	10.12	106	178202	9.881	ug/l	99
66) Styrene	10.14	104	298471	9.882	ug/l	100
67) Bromoform	10.32	173	49101	10.132	ug/l	98
69) Isopropylbenzene	10.51	105	471508	9.952	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	92911	10.017	ug/l	97
71) 1,2,3-Trichloropropane	10.86	75	121058	18.292	ug/l	65
72) Bromobenzene	10.81	156	112431	9.850	ug/l	99
73) n-propylbenzene	10.93	120	132893	9.997	ug/l	98
74) 2-Chlorotoluene	11.01	126	111782	9.790	ug/l	97
75) 1,3,5-Trimethylbenzene	11.11	105	401347	9.877	ug/l	99
76) 4-Chlorotoluene	11.12	126	115136	9.759	ug/l	95
77) tert-Butylbenzene	11.44	119	392653	10.197	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	414296	9.888	ug/l	99
79) sec-Butylbenzene	11.66	105	527731	9.879	ug/l	100
80) Nitrobenzene	13.23	77	6567	49.338	ug/l	93
81) p-Isopropyltoluene	11.81	119	444736	9.960	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	221934	9.718	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	220172	9.646	ug/l	99
84) n-Butylbenzene	12.23	91	416182	10.079	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	209922	9.606	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	14707	9.367	ug/l	97
87) 1,2,4-Trichlorobenzene	13.86	180	145028	10.375	ug/l	99
88) Hexachlorobutadiene	14.04	225	76046	9.926	ug/l	98
89) Naphthalene	14.10	128	252200	10.472	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	132285	10.062	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 35634

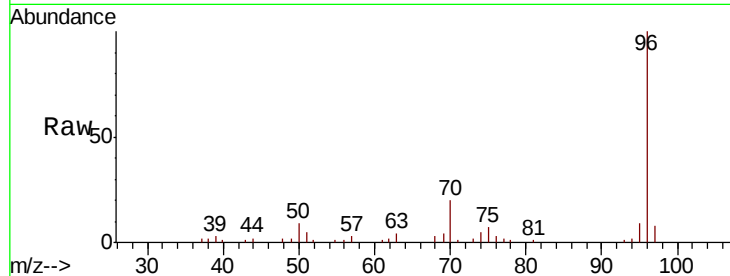
Ion Ratio Lower Upper

96 100

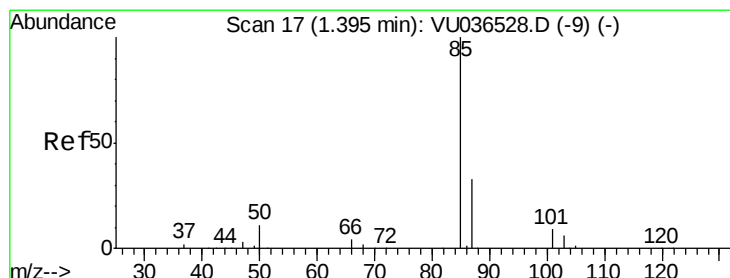
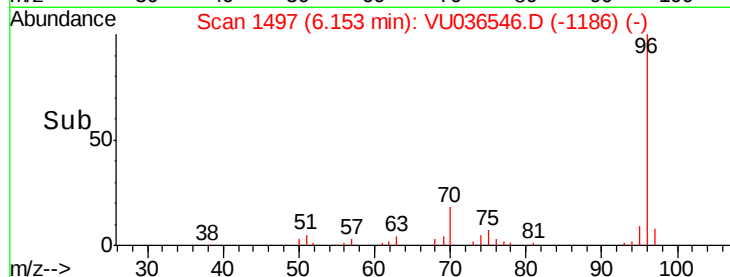
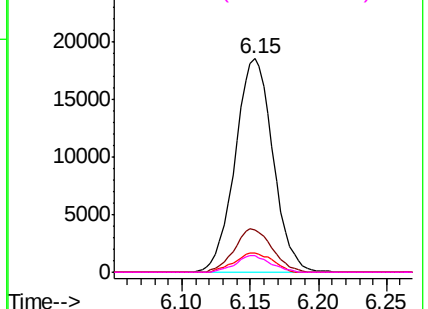
70 20.0 15.6 23.4

95 9.0 7.0 10.6

97 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 70.00 (69.70 to 70.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.862 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU036546.D

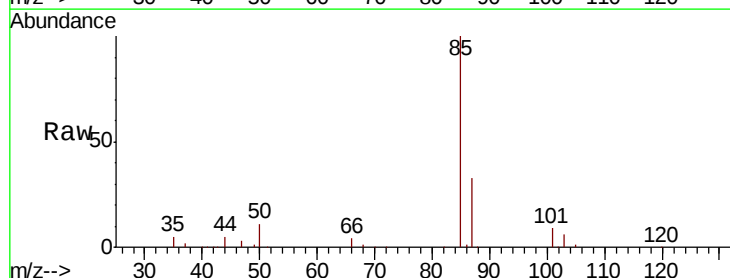
Acq: 23 Jan 2020 18:23

Tgt Ion: 85 Resp: 116168

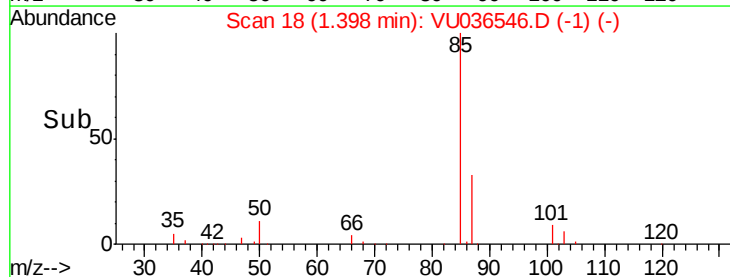
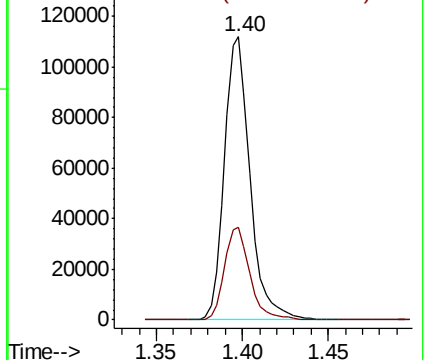
Ion Ratio Lower Upper

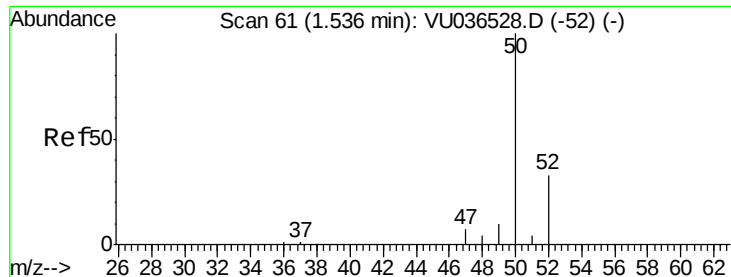
85 100

87 32.9 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

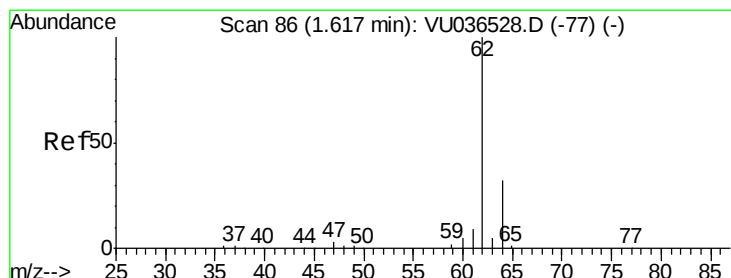
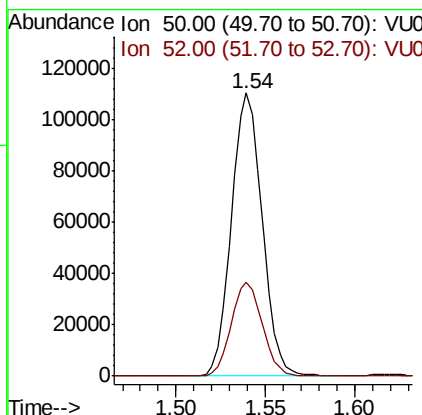
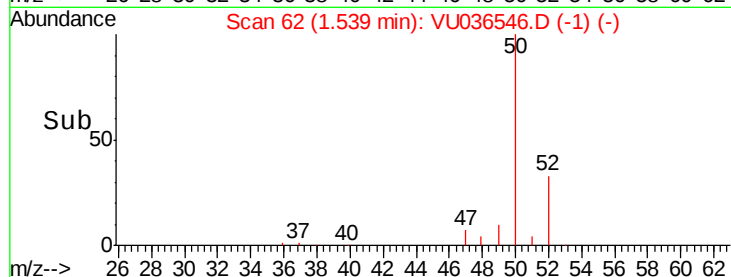
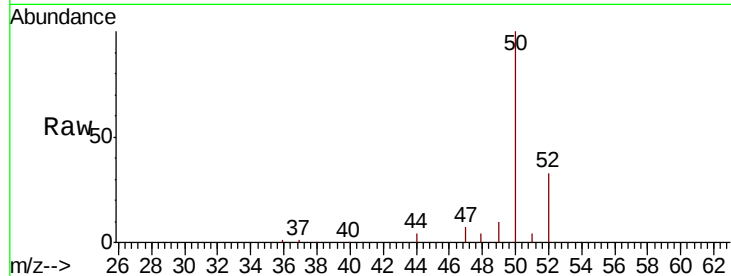




#3
 Chloromethane
 Concen: 10.509 ug/l
 RT: 1.54 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

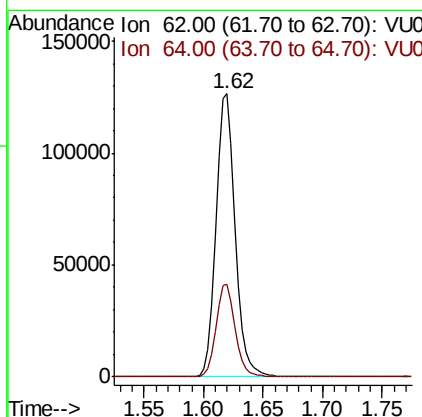
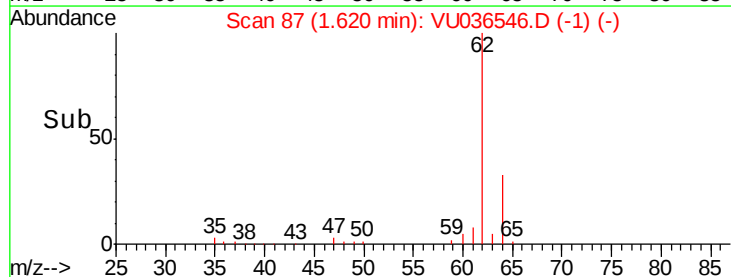
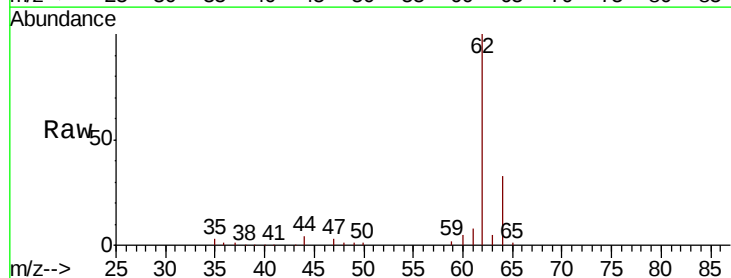
Instrument :
 MSVOA_U
 ClientSampleId :

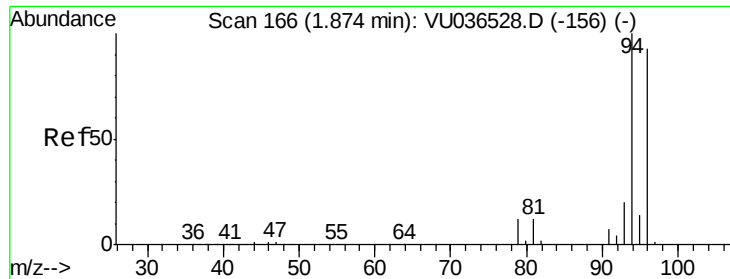
Tot Ion: 50 Resp: 132706
 Ion Ratio Lower Upper
 50 100
 52 33.3 26.0 39.0



#4
 Vinyl Chloride
 Concen: 9.827 ug/l
 RT: 1.62 min Scan# 87
 Delta R.T. 0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion: 62 Resp: 140559
 Ion Ratio Lower Upper
 62 100
 64 32.7 25.4 38.2

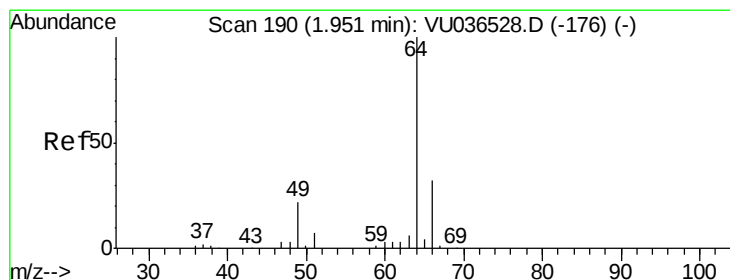
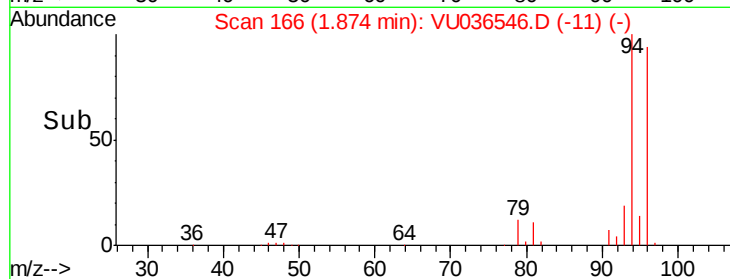
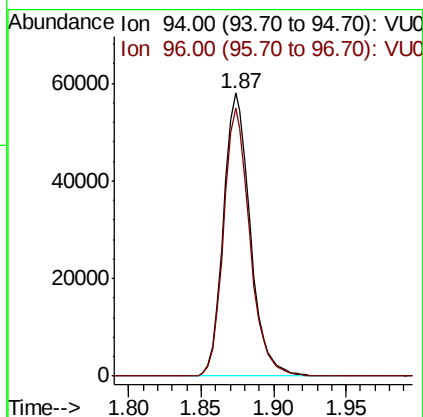
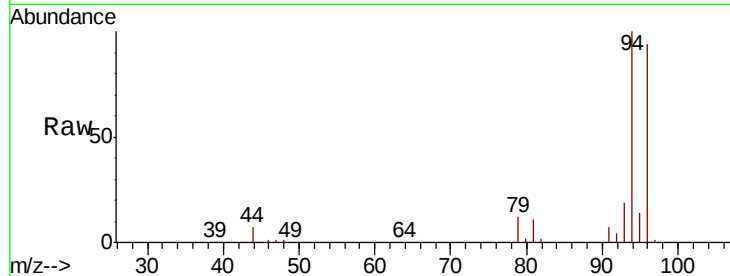




#5
Bromomethane
Concen: 8.379 ug/l
RT: 1.87 min Scan# 166
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

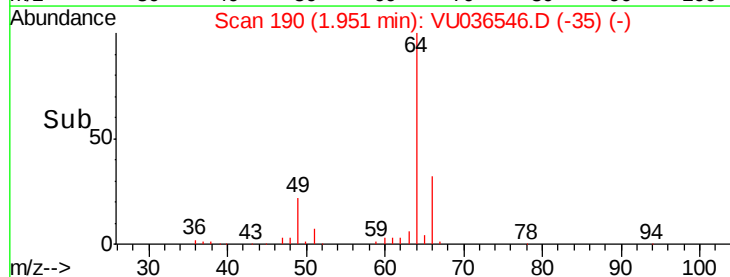
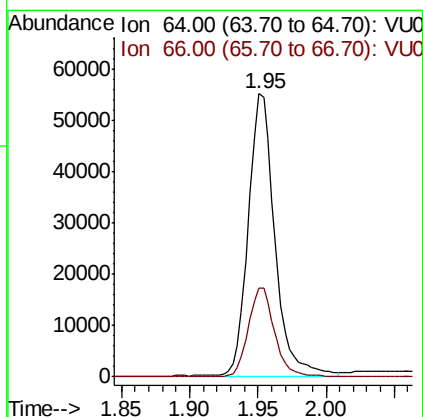
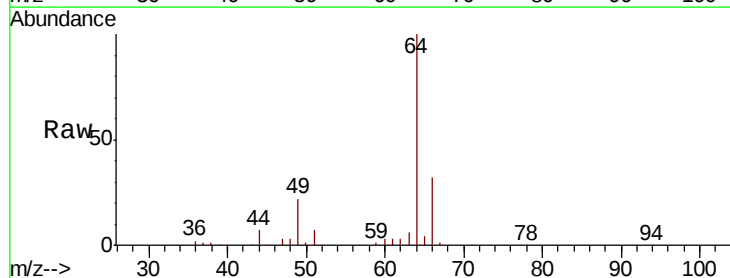
Instrument :
MSVOA_U
ClientSampleId :

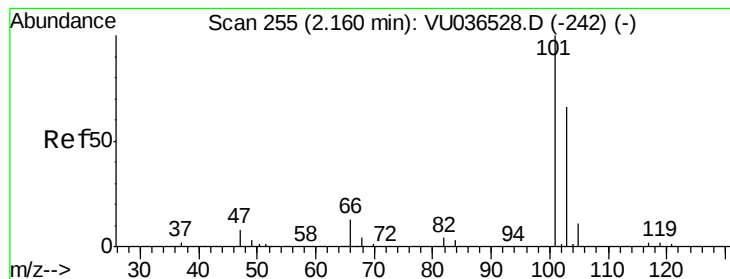
Tot Ion: 94 Resp: 74472
Ion Ratio Lower Upper
94 100
96 94.5 74.6 112.0



#6
Chloroethane
Concen: 8.780 ug/l
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 64 Resp: 74395
Ion Ratio Lower Upper
64 100
66 31.7 25.5 38.3



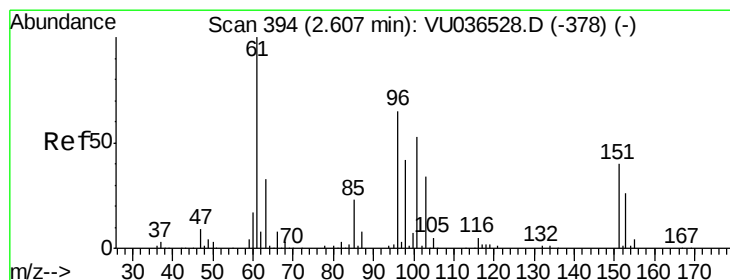
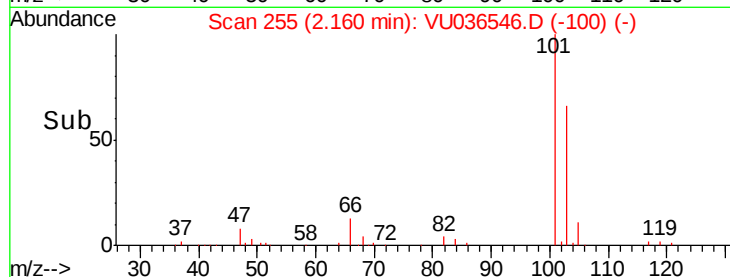
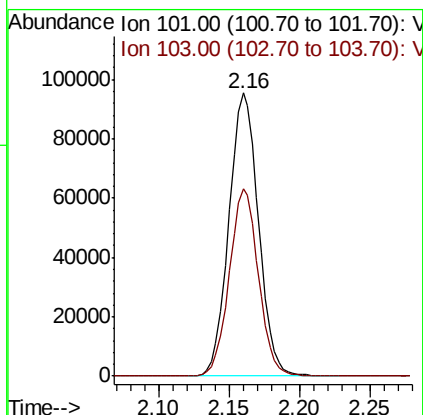
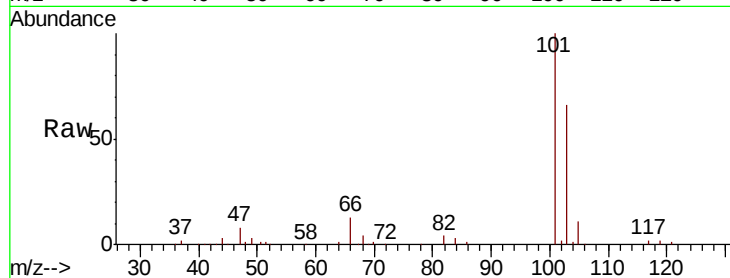


#7

Trichlorofluoromethane
 Concen: 9.903 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampled :

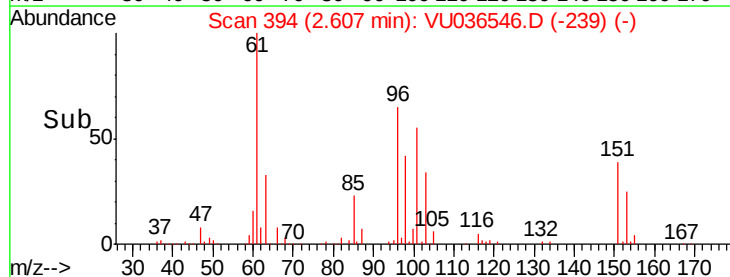
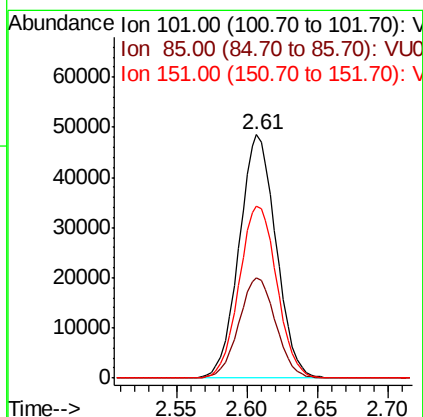
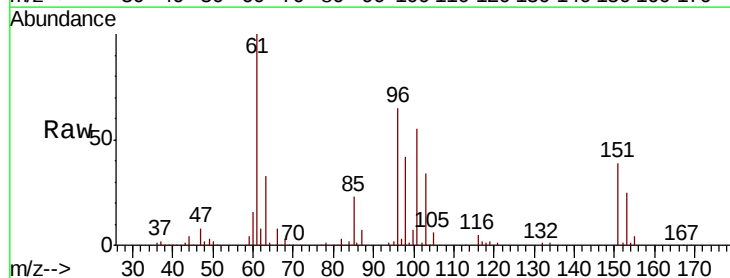
Tot Ion:101 Resp: 139948
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.0 79.6

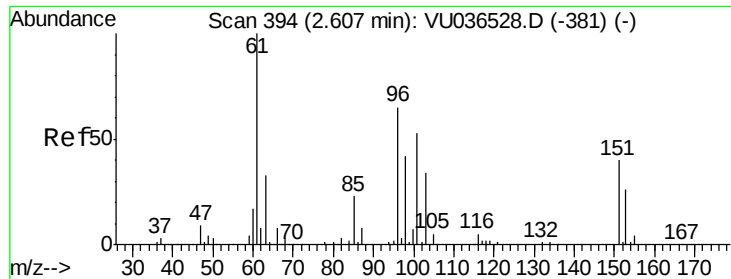


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.092 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:101 Resp: 88844
 Ion Ratio Lower Upper
 101 100
 85 41.1 33.9 50.9
 151 72.3 59.8 89.8





#9

1,1-Dichloroethene

Concen: 9.834 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :

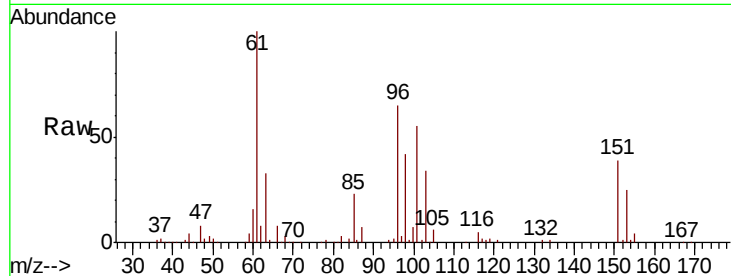
Tot Ion: 96 Resp: 92153

Ion Ratio Lower Upper

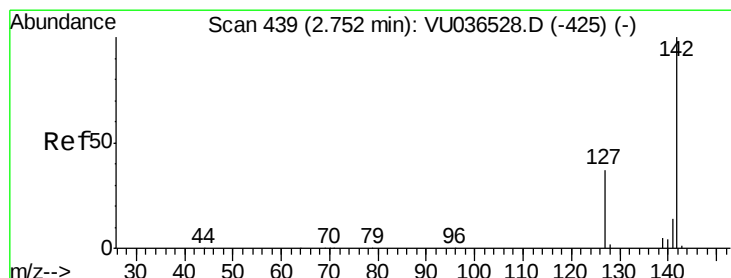
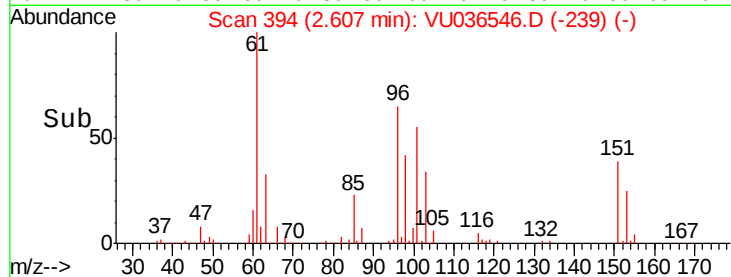
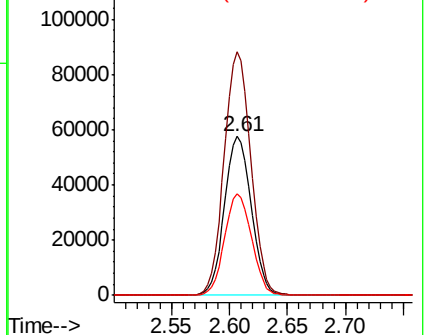
96 100

61 153.2 0.0 463.2

98 63.8 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 8.414 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU036546.D

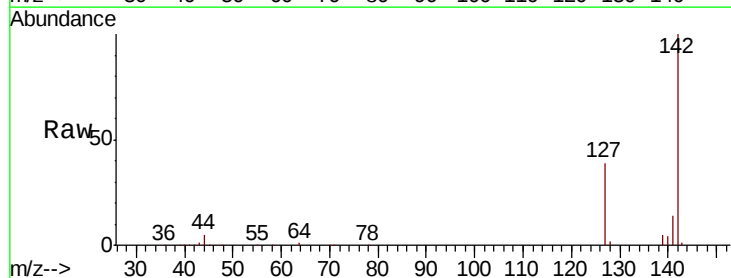
Acq: 23 Jan 2020 18:23

Tgt Ion:142 Resp: 106619

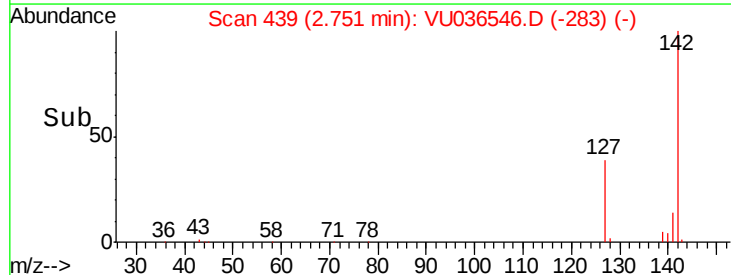
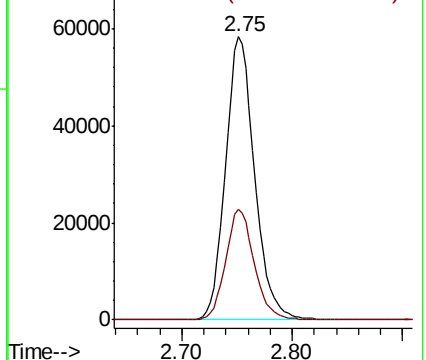
Ion Ratio Lower Upper

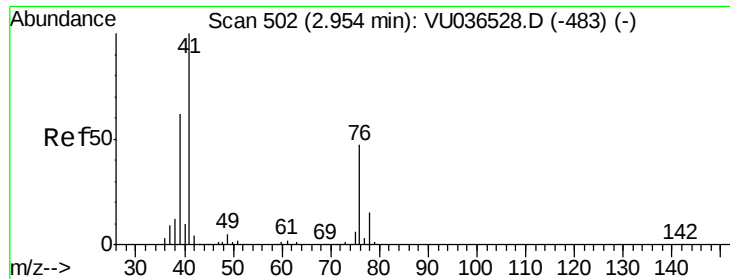
142 100

127 38.5 30.3 45.5



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

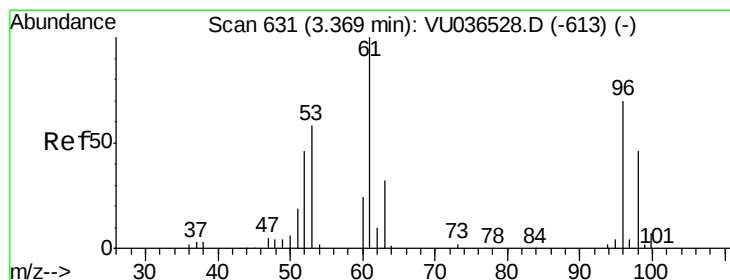
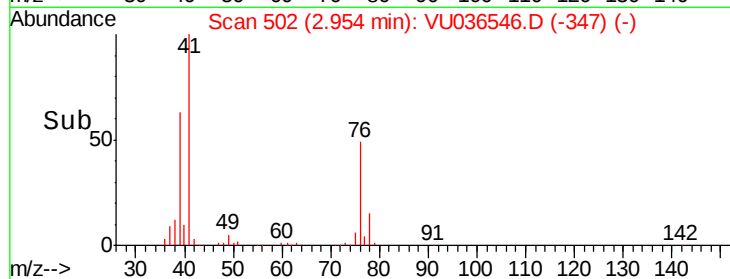
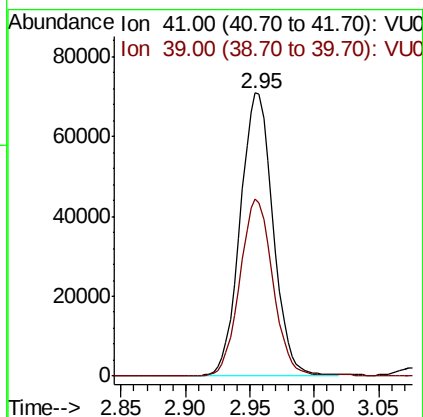
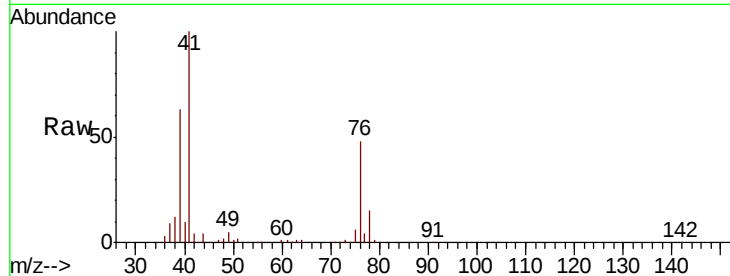




#11
Allvl Chloride
Concen: 9.661 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

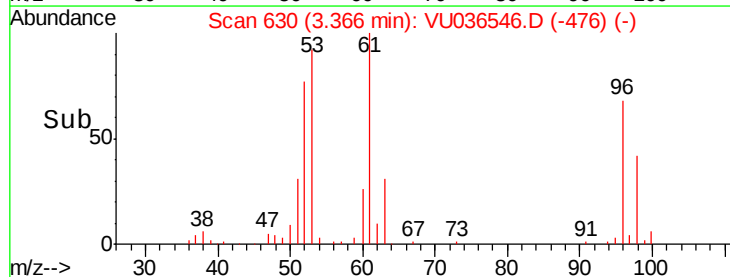
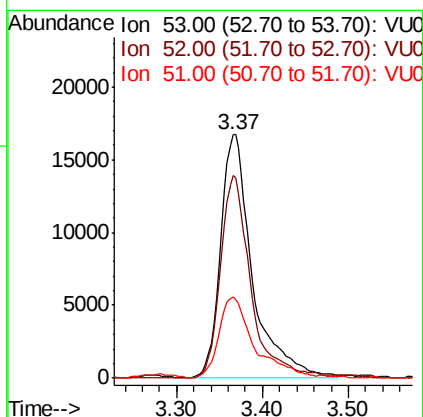
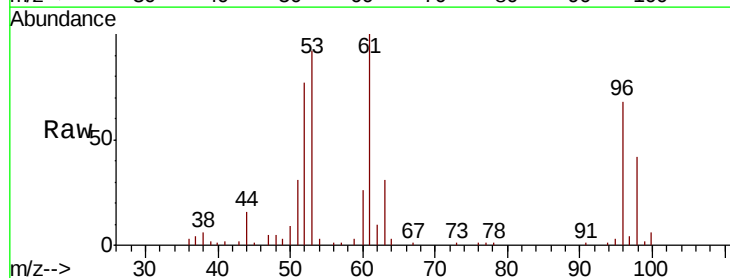
Instrument :
MSVOA_U
ClientSampled :

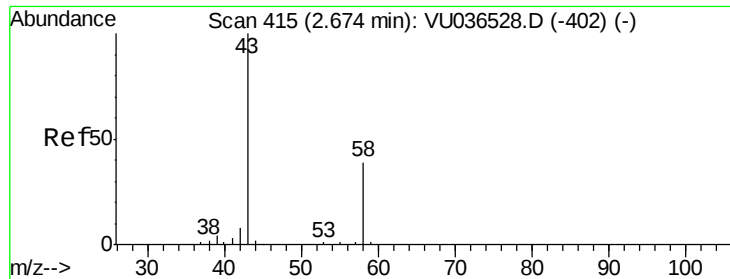
Tot Ion: 41 Resp: 125170
Ion Ratio Lower Upper
41 100
39 63.6 50.7 76.1



#12
Acrylonitrile
Concen: 18.858 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 53 Resp: 43343
Ion Ratio Lower Upper
53 100
52 79.3 64.6 97.0
51 36.8 27.2 40.8





#13

Acetone

Concen: 43.850 ug/l

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

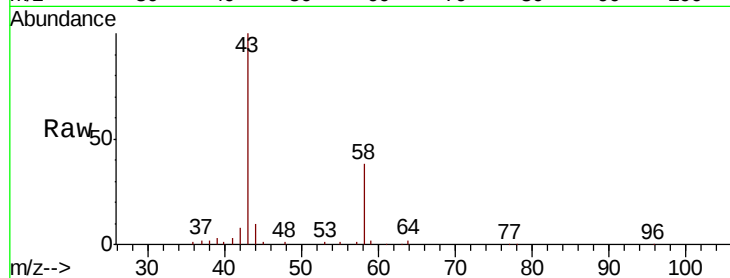
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 68497

Ion Ratio Lower Upper

43 100

58 37.9 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-402) (-)

Ion 58.00 (57.70 to 58.70): VU036528.D (-402) (-)

2.67

40000

30000

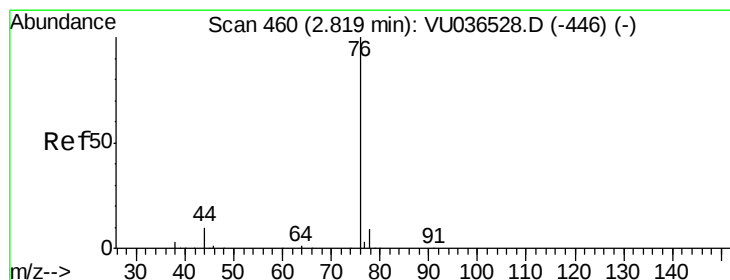
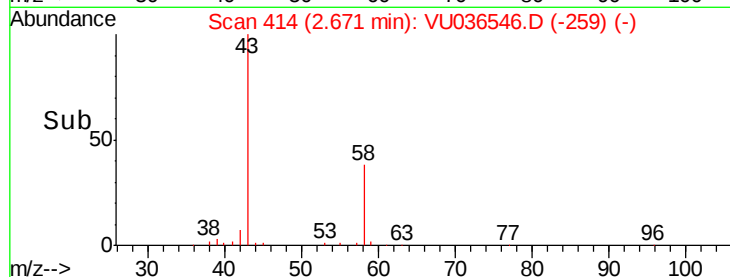
20000

10000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#14

Carbon Disulfide

Concen: 9.660 ug/l

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036546.D

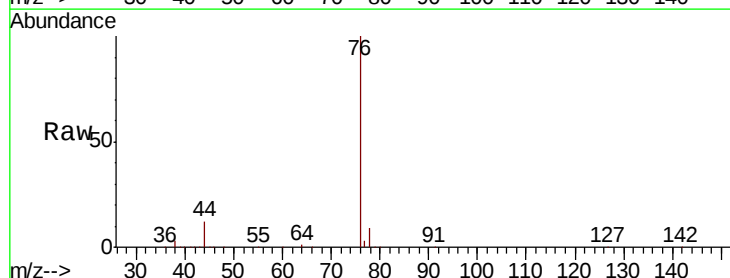
Acq: 23 Jan 2020 18:23

Tgt Ion: 76 Resp: 313500

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036528.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036528.D (-446) (-)

2.82

200000

150000

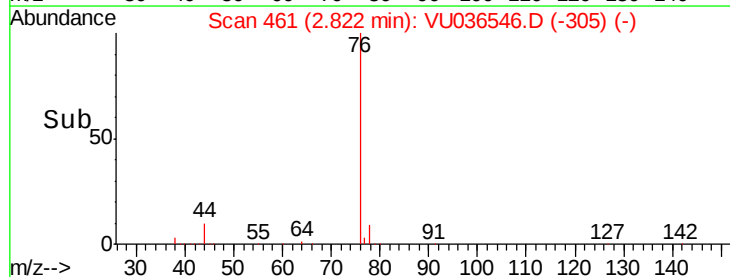
100000

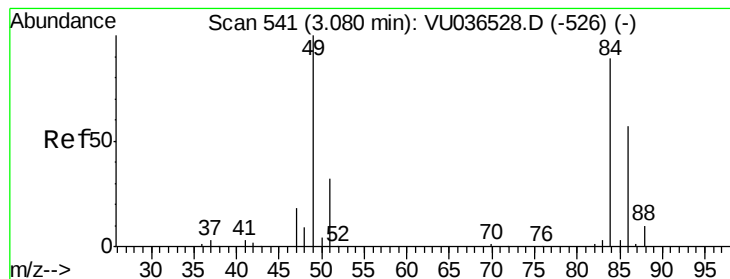
50000

0

2.80 2.90

Time-->





#15

Methylene Chloride

Concen: 8.682 ug/l

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 84 Resp: 107156

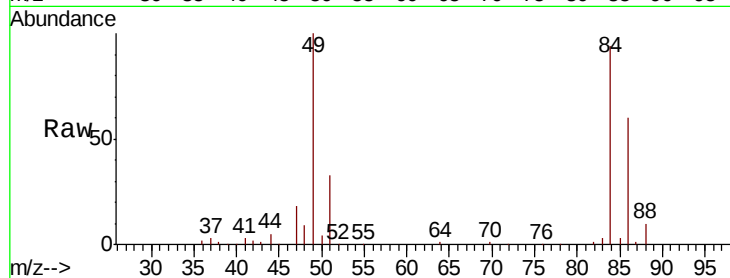
Ion Ratio Lower Upper

84 100

49 106.4 89.7 134.5

51 35.3 0.0 71.6

86 63.4 51.4 77.2

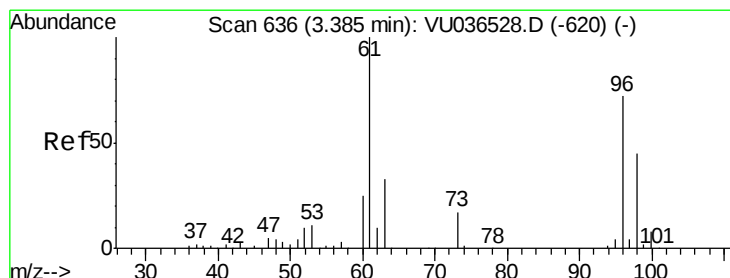
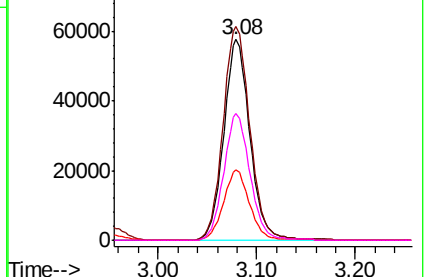
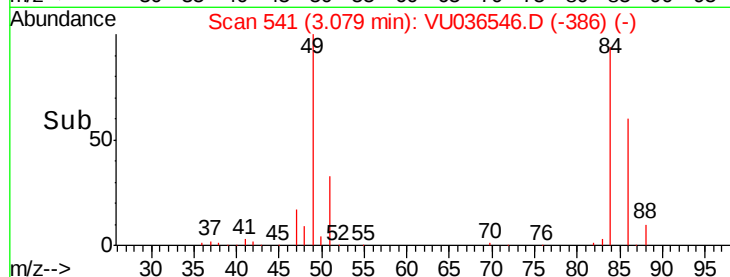


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 9.703 ug/l

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

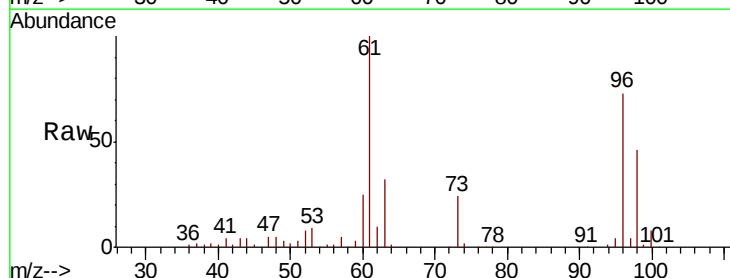
Tgt Ion: 96 Resp: 100293

Ion Ratio Lower Upper

96 100

61 137.9 110.8 166.2

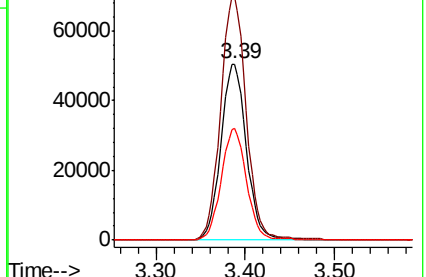
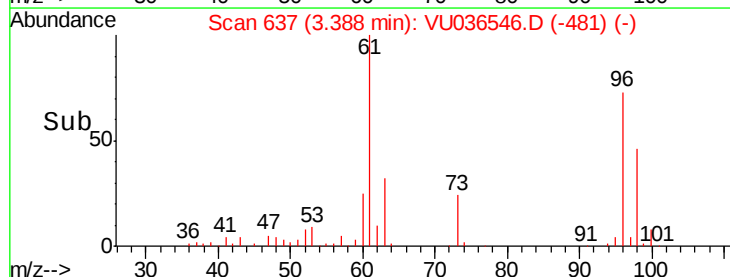
98 63.5 50.3 75.5

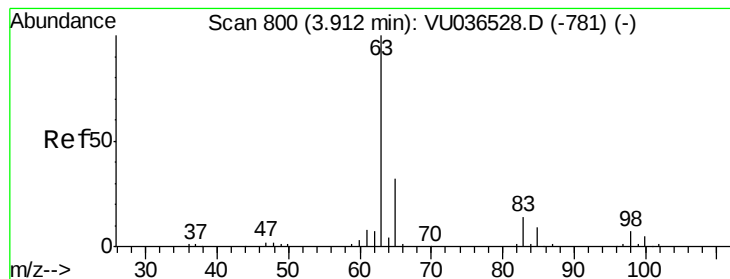


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 9.926 ug/l

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

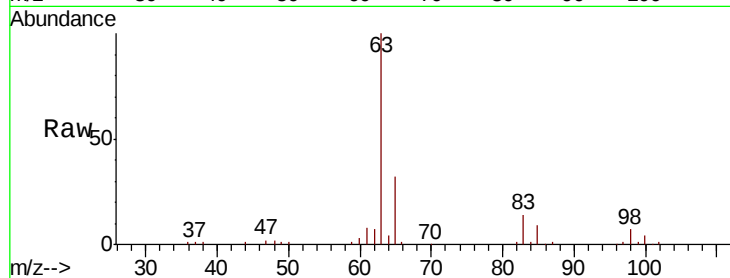
Tot Ion: 63 Resp: 167208

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

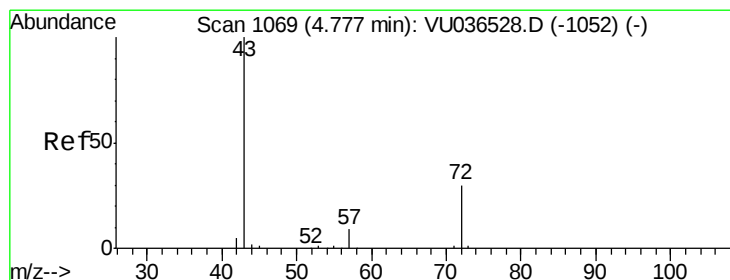
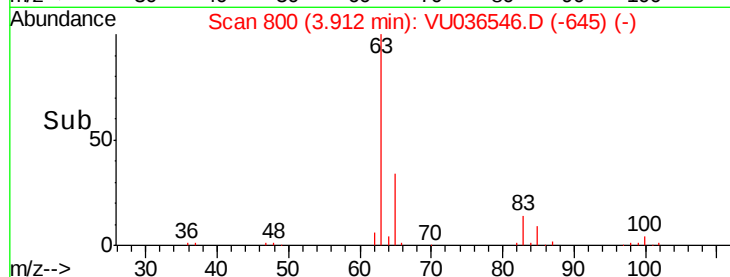
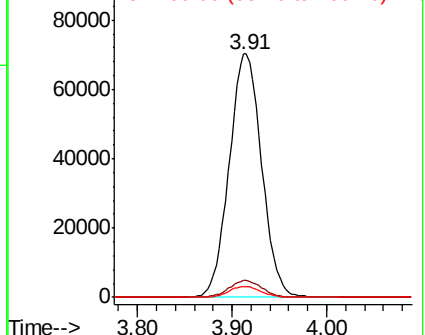
100 4.4 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU036528.D (-781) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-781) (-)

Ion 100.00 (99.70 to 100.70): VU036528.D (-781) (-)



#18

2-Butanone

Concen: 44.791 ug/l

RT: 4.78 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VU036546.D

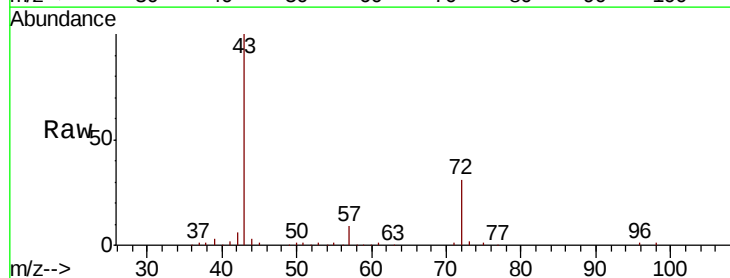
Acq: 23 Jan 2020 18:23

Tgt Ion: 43 Resp: 110523

Ion Ratio Lower Upper

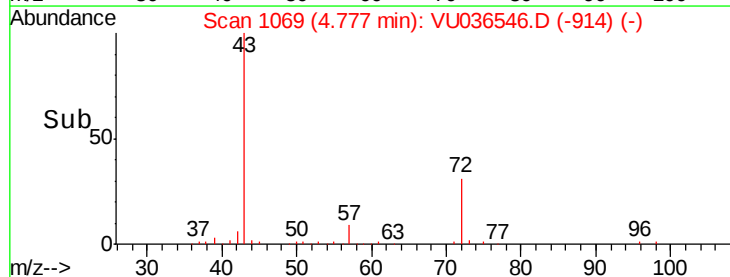
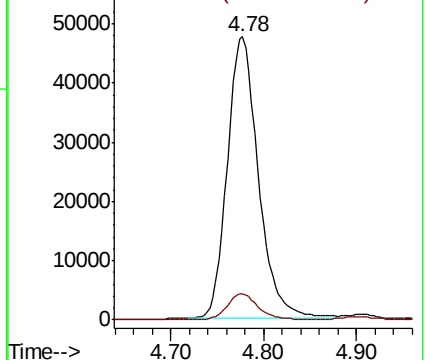
43 100

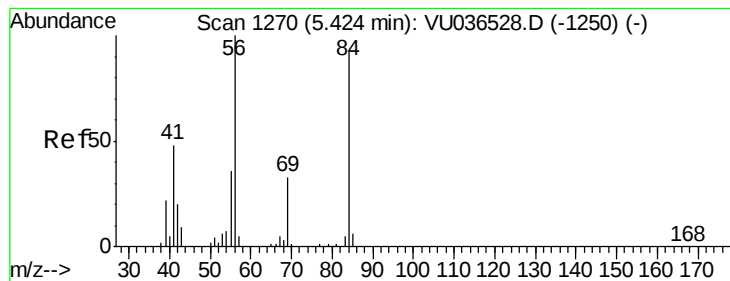
57 9.2 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-1052) (-)

Ion 57.00 (56.70 to 57.70): VU036528.D (-1052) (-)





#19

Cyclohexane

Concen: 8.953 ug/l

RT: 5.43 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :

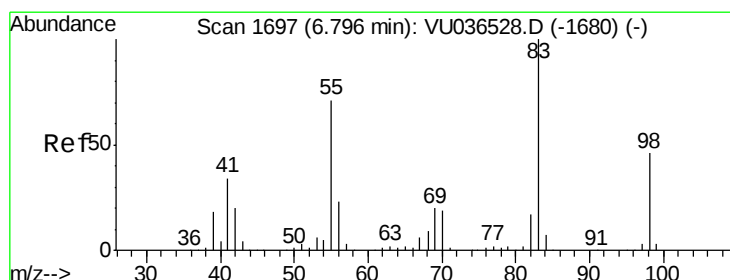
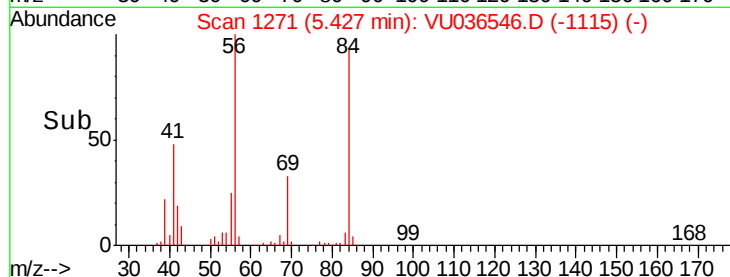
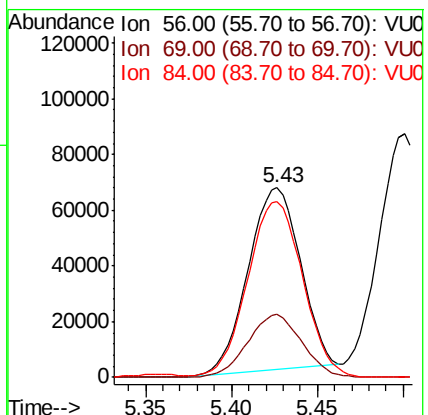
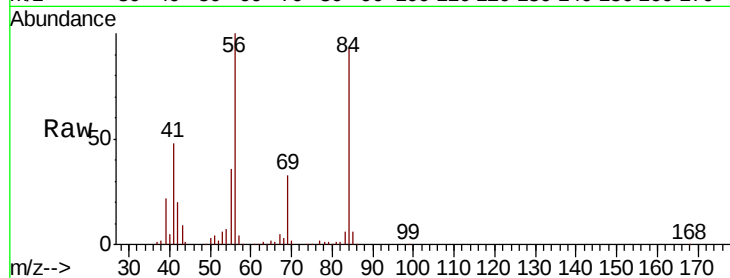
Tot Ion: 56 Resp: 137837

Ion Ratio Lower Upper

56 100

69 36.0 26.2 39.2

84 100.4 72.8 109.2



#20

Methylcyclohexane

Concen: 10.085 ug/l

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

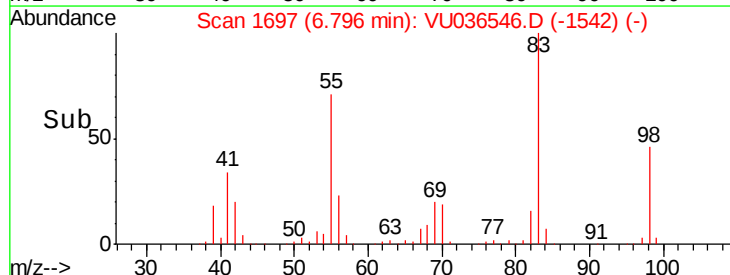
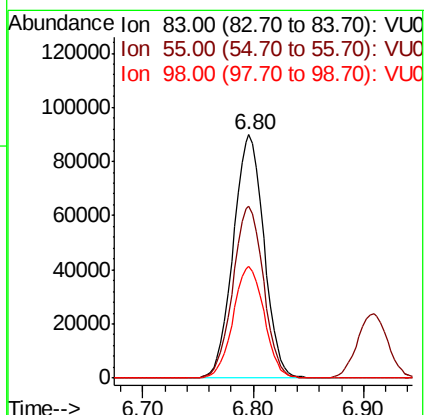
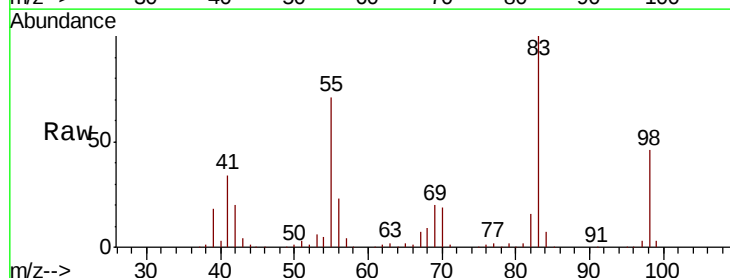
Tgt Ion: 83 Resp: 173364

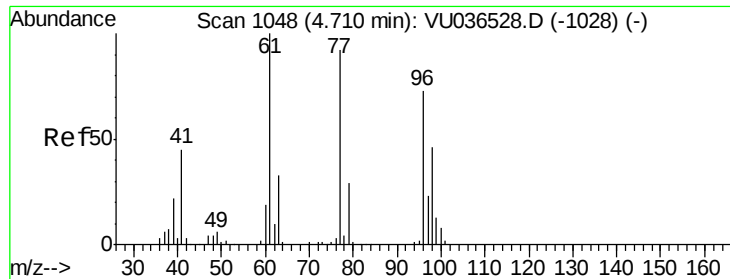
Ion Ratio Lower Upper

83 100

55 70.5 56.6 85.0

98 46.5 37.5 56.3





#21

2,2-Dichloropropane

Concen: 9.916 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

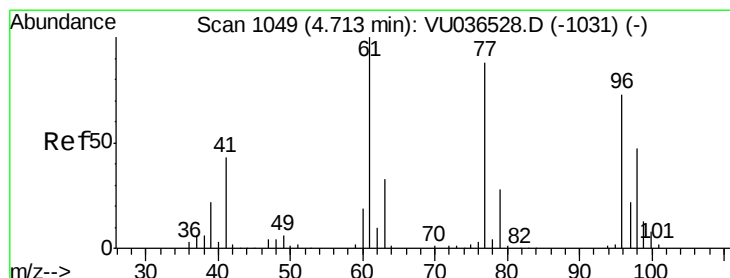
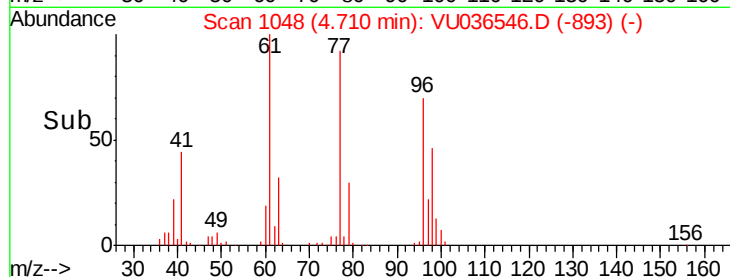
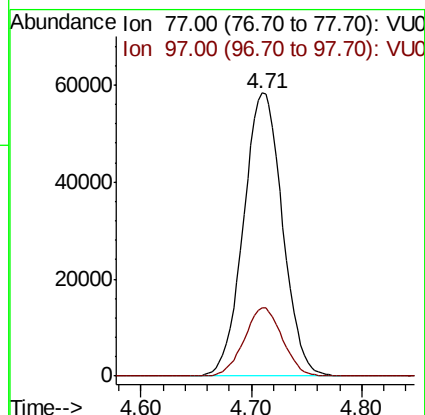
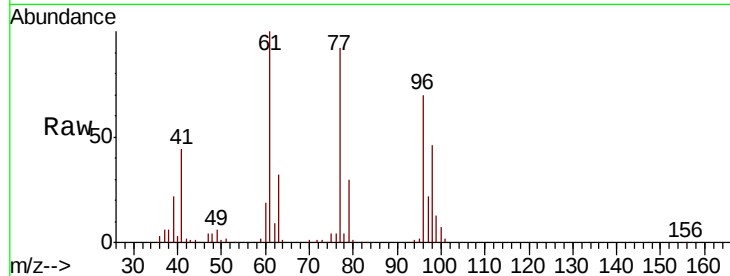
ClientSampleId :

Tot Ion: 77 Resp: 142601

Ion Ratio Lower Upper

77 100

97 23.8 19.0 28.4



#22

cis-1,2-Dichloroethene

Concen: 9.798 ug/l

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

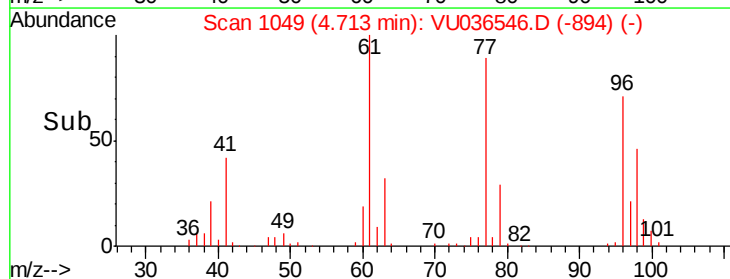
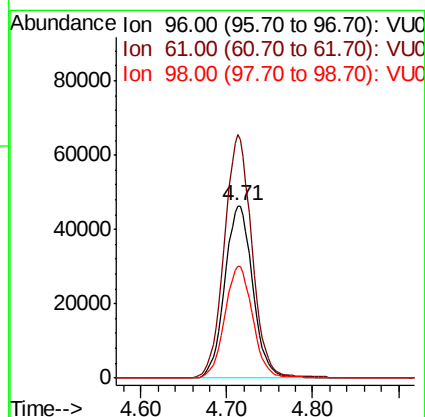
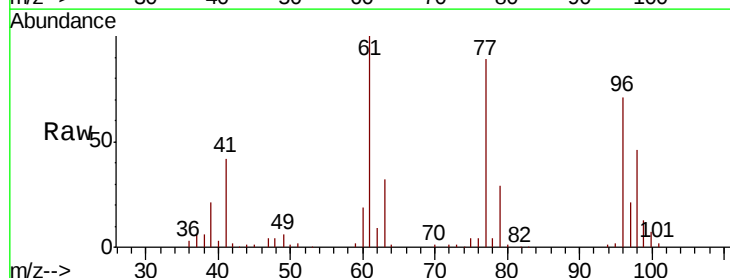
Tgt Ion: 96 Resp: 105081

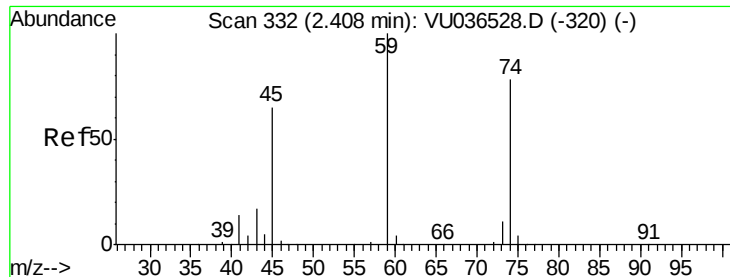
Ion Ratio Lower Upper

96 100

61 139.1 0.0 342.0

98 64.7 32.0 96.0





#23

Diethyl Ether

Concen: 9.966 ug/l

RT: 2.41 min Scan# 332

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

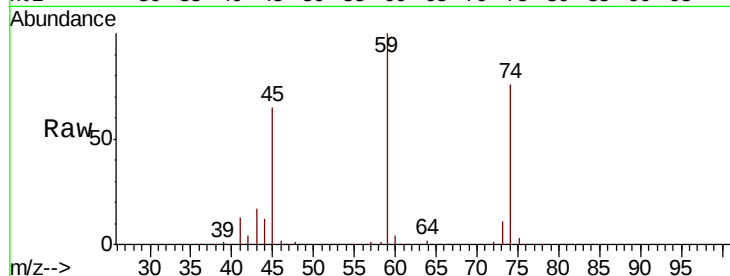
Tot Ion: 59 Resp: 72139

Ion Ratio Lower Upper

59 100

45 64.2 52.4 78.6

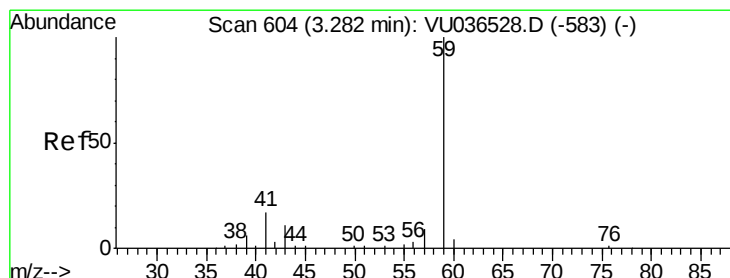
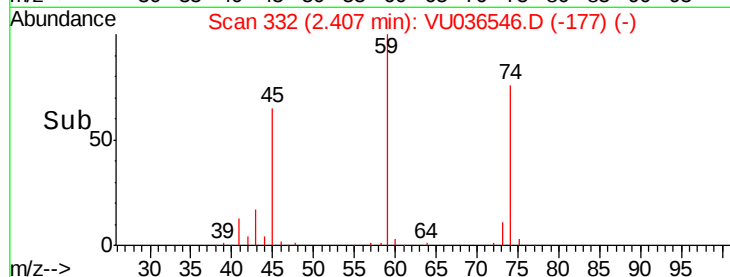
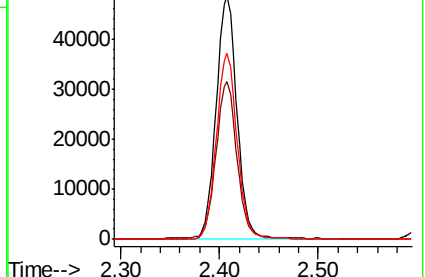
74 76.1 62.1 93.1



Abundance Ion 59.00 (58.70 to 59.70): VU036546.D (-177) (-)

Ion 45.00 (44.70 to 45.70): VU036546.D (-177) (-)

Ion 74.00 (73.70 to 74.70): VU036546.D (-177) (-)



#24

tert-Butyl Alcohol

Concen: 97.962 ug/l

RT: 3.27 min Scan# 601

Delta R.T. -0.01 min

Lab File: VU036546.D

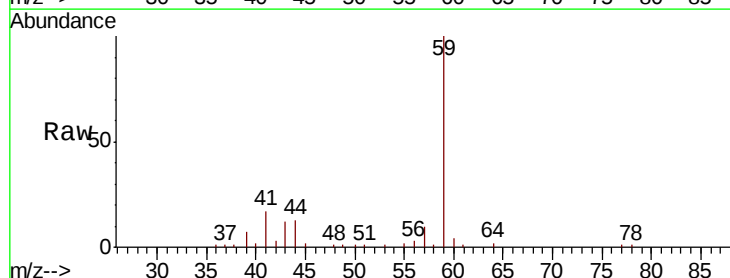
Acq: 23 Jan 2020 18:23

Tgt Ion: 59 Resp: 63373

Ion Ratio Lower Upper

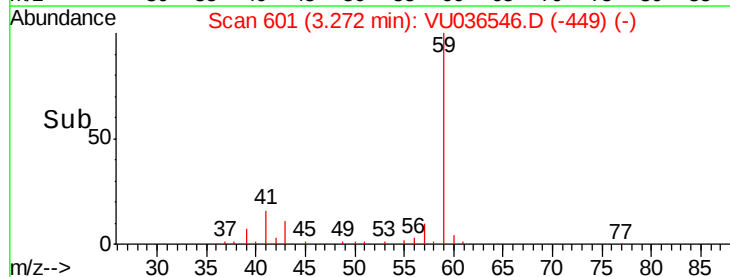
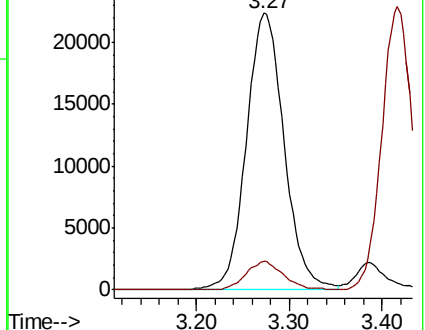
59 100

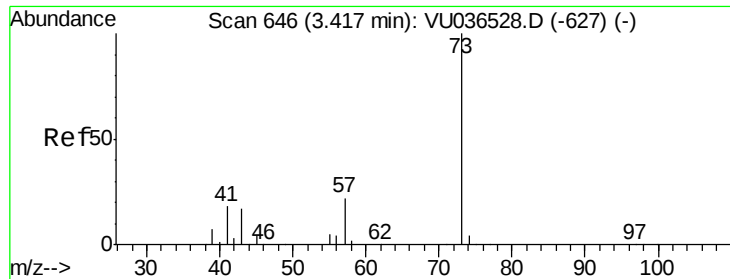
57 10.3 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU036546.D (-449) (-)

Ion 57.00 (56.70 to 57.70): VU036546.D (-449) (-)

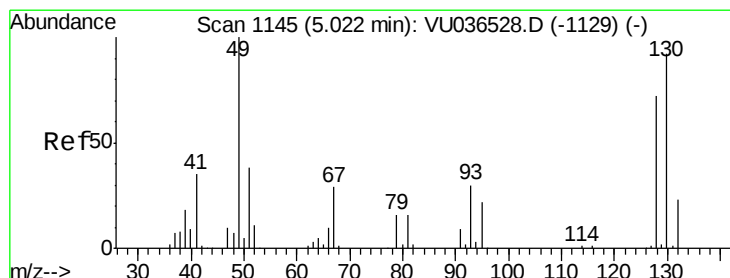
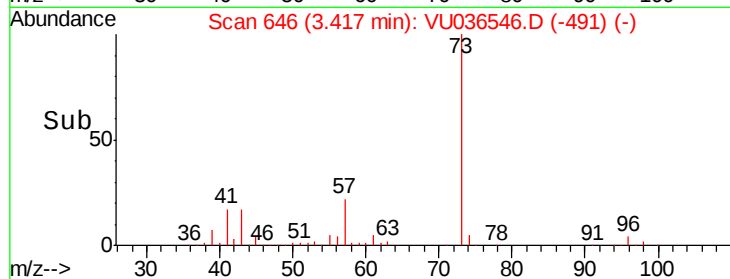
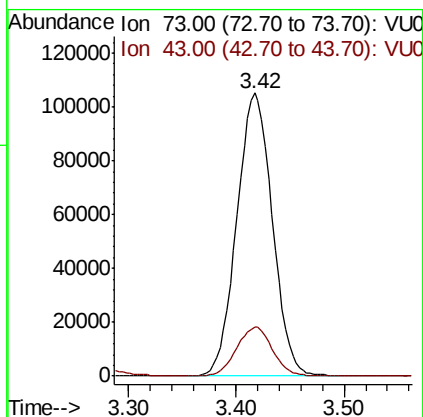
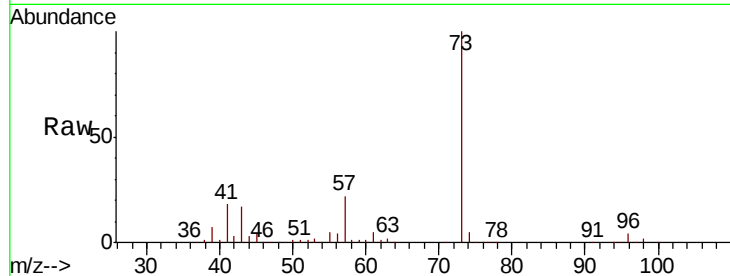




#25
Methvl tert-Butvl Ether
Concen: 9.795 ug/l
RT: 3.42 min Scan# 646
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

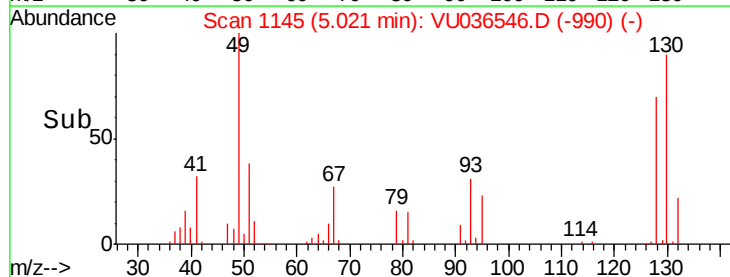
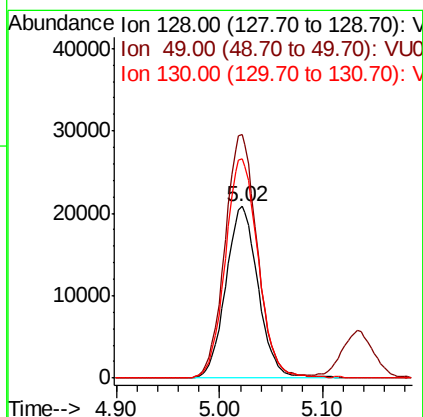
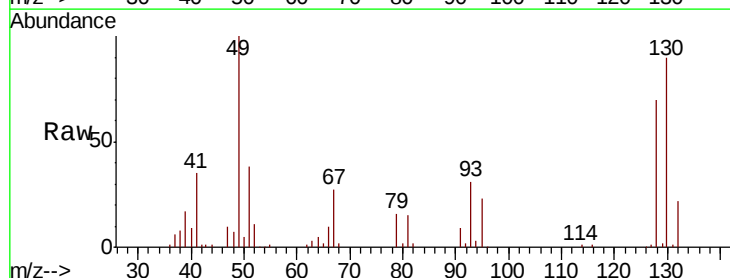
Instrument :
MSVOA_U
ClientSampleId :

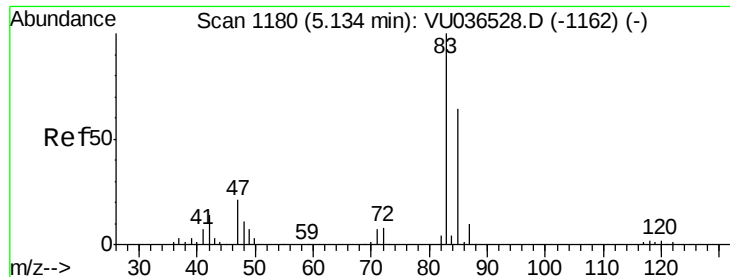
Tot Ion: 73 Resp: 240514
Ion Ratio Lower Upper
73 100
43 17.2 14.5 21.7



#26
Bromochloromethane
Concen: 9.781 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 128 Resp: 45432
Ion Ratio Lower Upper
128 100
49 142.3 0.0 286.2
130 130.1 104.3 156.5

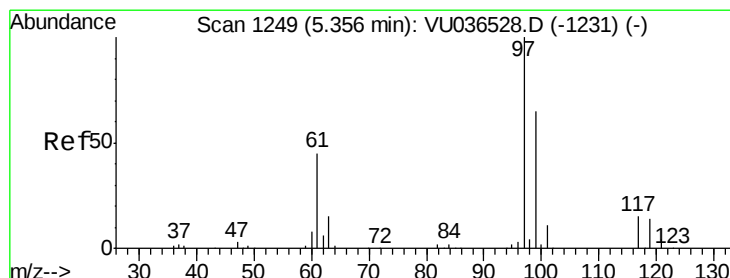
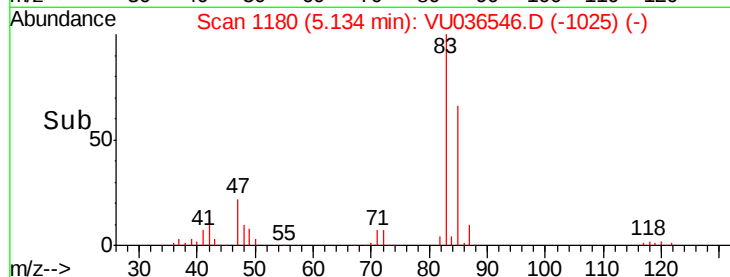
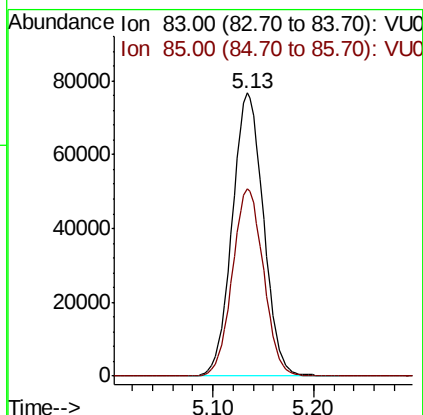
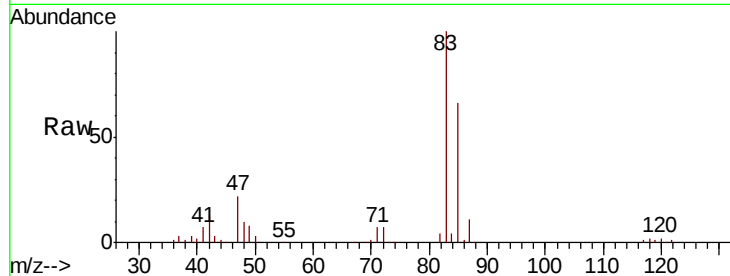




#27
Chloroform
Concen: 9.912 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

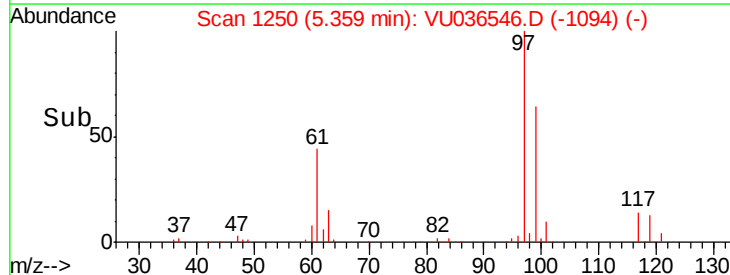
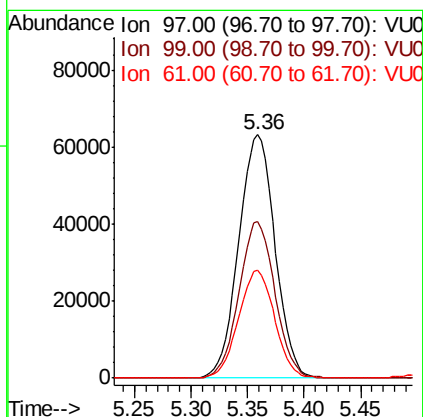
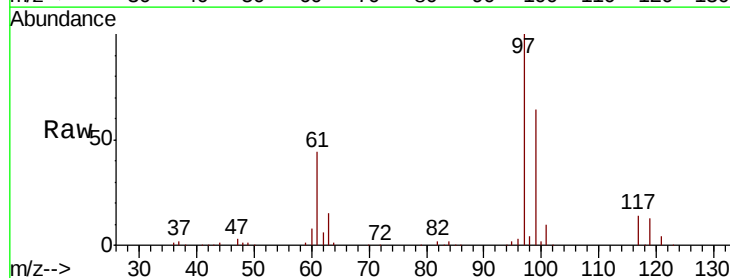
Instrument :
MSVOA_U
ClientSampled :

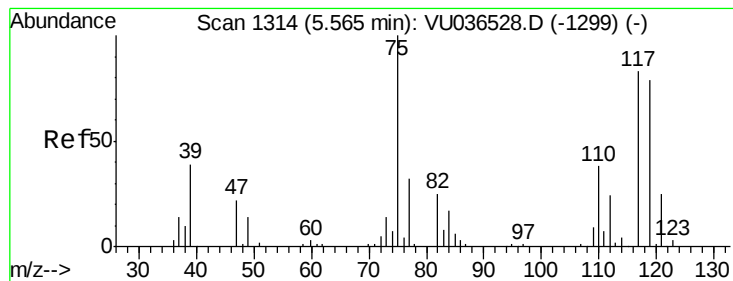
Tot Ion: 83 Resp: 165146
Ion Ratio Lower Upper
83 100
85 66.2 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 10.105 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 97 Resp: 141184
Ion Ratio Lower Upper
97 100
99 63.9 32.1 96.3
61 44.2 22.7 68.0





#29

1,1-Dichloropropene

Concen: 9.805 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampled :

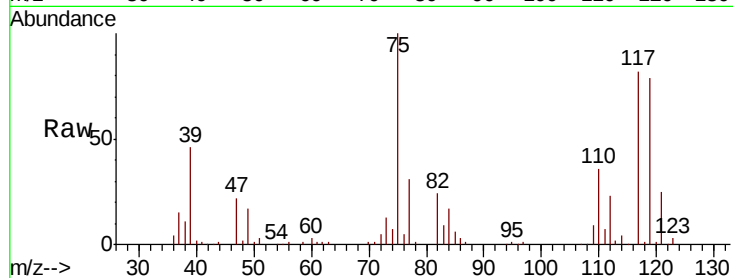
Tot Ion: 75 Resp: 133700

Ion Ratio Lower Upper

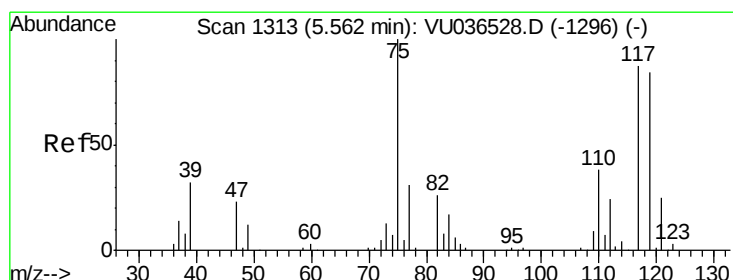
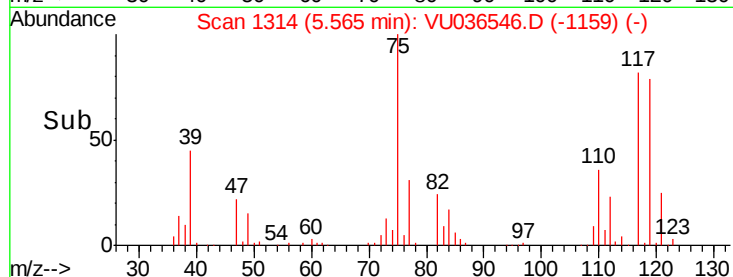
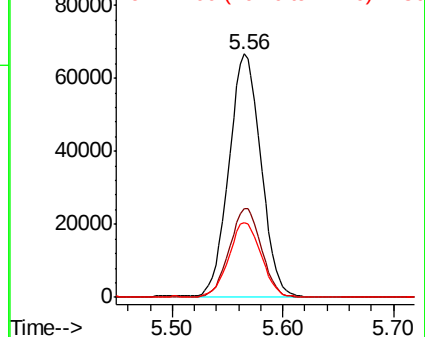
75 100

110 36.6 18.6 55.8

77 30.7 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 9.986 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

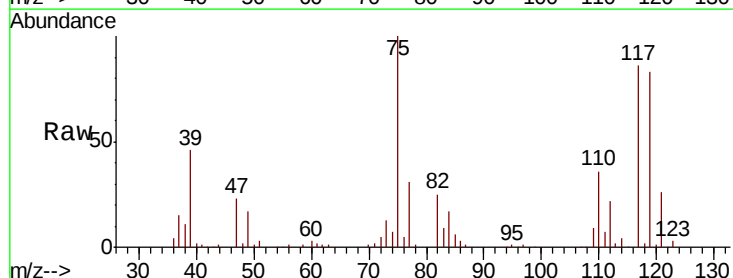
Tgt Ion: 117 Resp: 119469

Ion Ratio Lower Upper

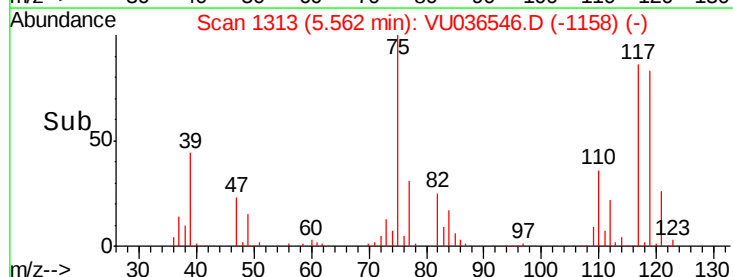
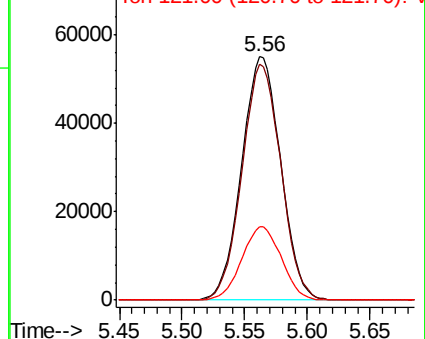
117 100

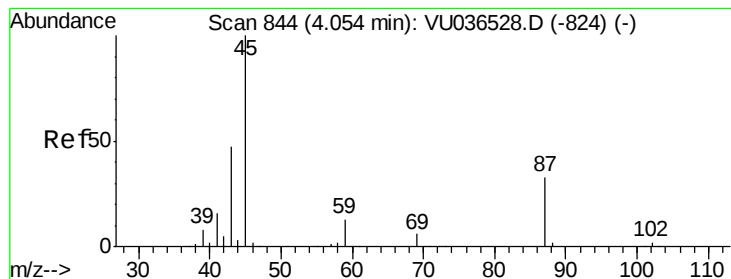
119 97.1 77.0 115.6

121 30.1 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 9.952 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

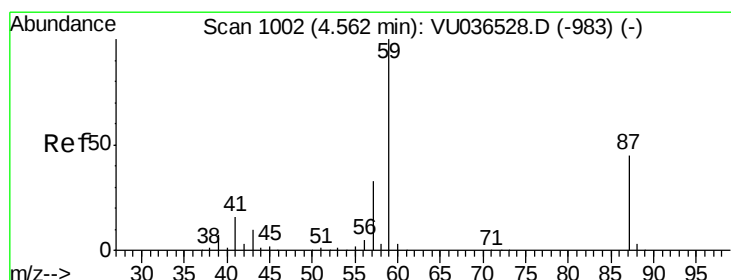
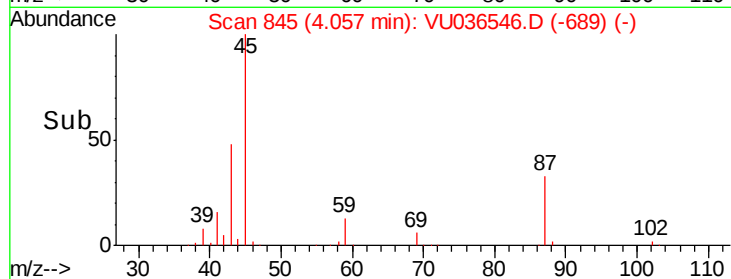
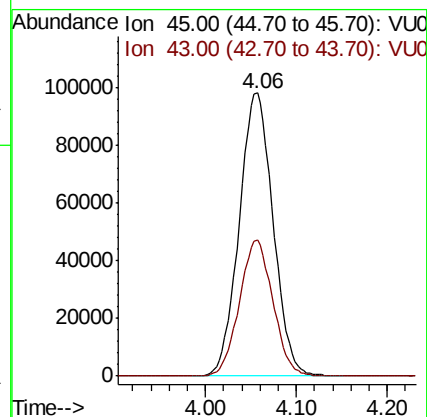
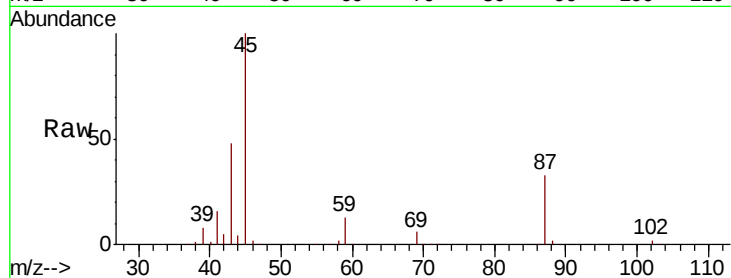
ClientSampled :

Tot Ion: 45 Resp: 254481

Ion Ratio Lower Upper

45 100

43 47.7 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 9.905 ug/l

RT: 4.56 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VU036546.D

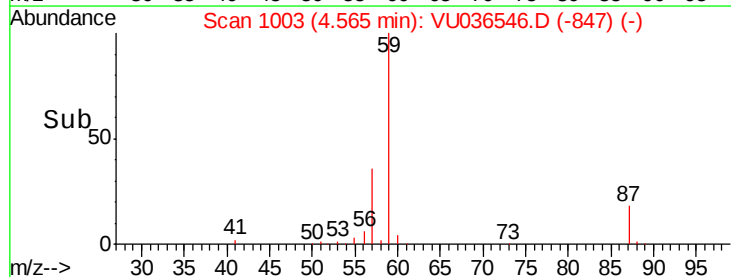
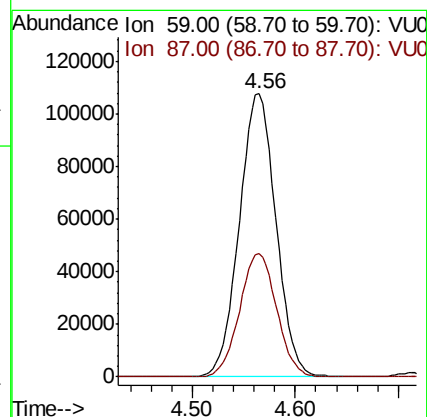
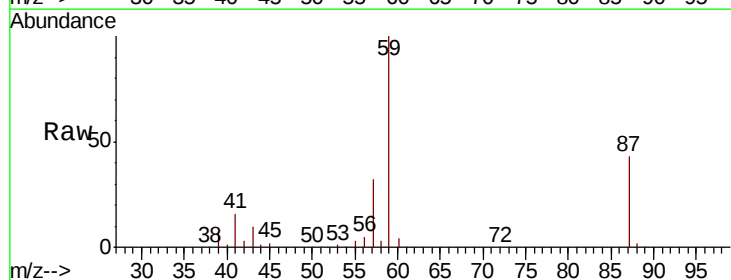
Acq: 23 Jan 2020 18:23

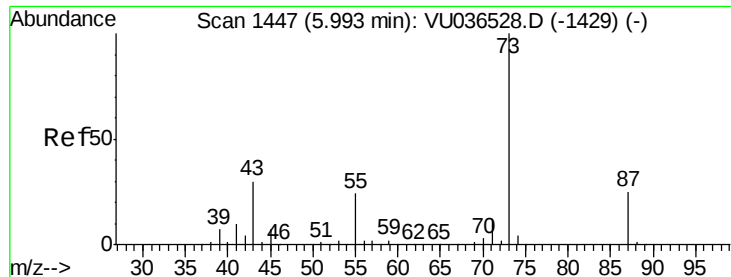
Tgt Ion: 59 Resp: 264993

Ion Ratio Lower Upper

59 100

87 44.2 35.1 52.7

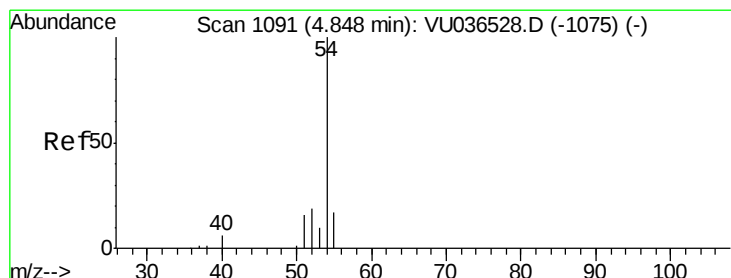
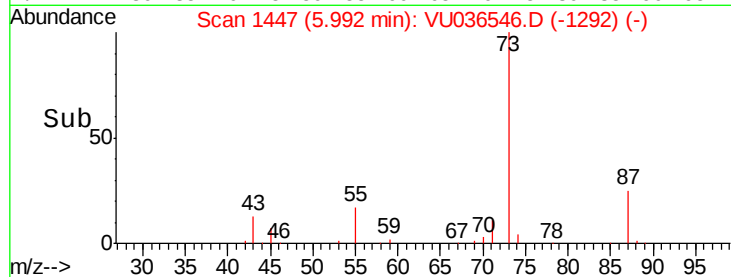
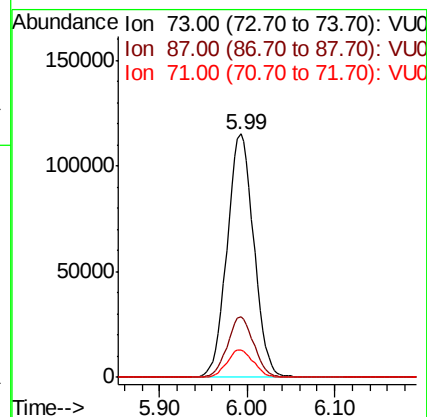
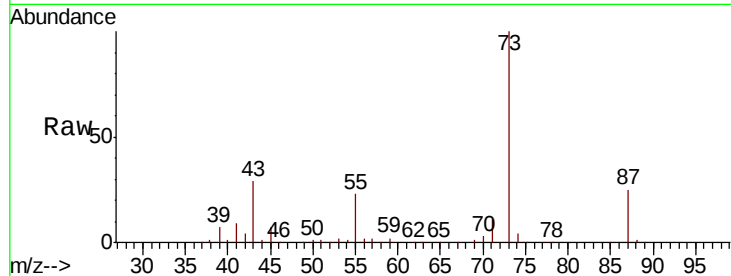




#33
Tert-Butyl methyl ether
Concen: 9.918 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

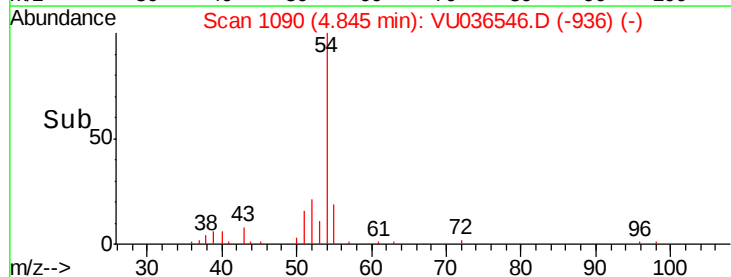
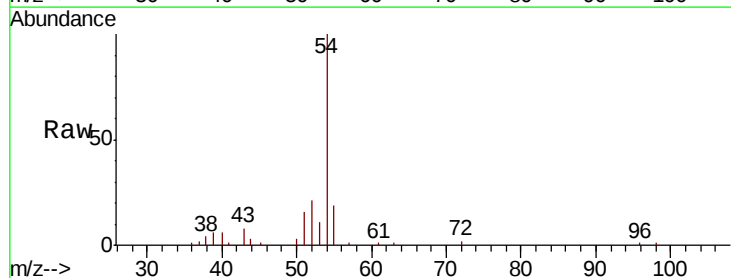
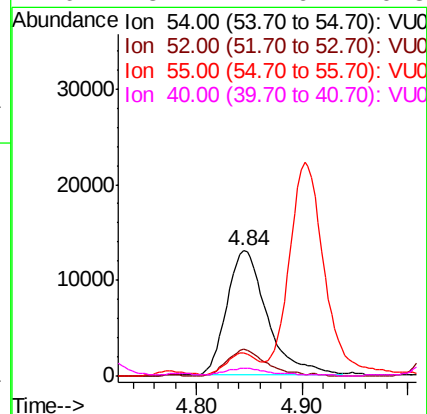
Instrument :
MSVOA_U
ClientSampleId :

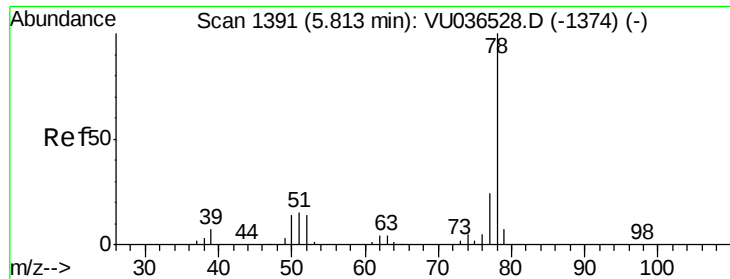
Tot Ion: 73 Resp: 242956
Ion Ratio Lower Upper
73 100
87 24.5 19.8 29.6
71 11.1 9.1 13.7



#34
Propionitrile
Concen: 48.523 ug/l
RT: 4.84 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 54 Resp: 34513
Ion Ratio Lower Upper
54 100
52 20.9 15.2 22.8
55 14.2 9.5 14.3
40 5.4 4.6 6.8

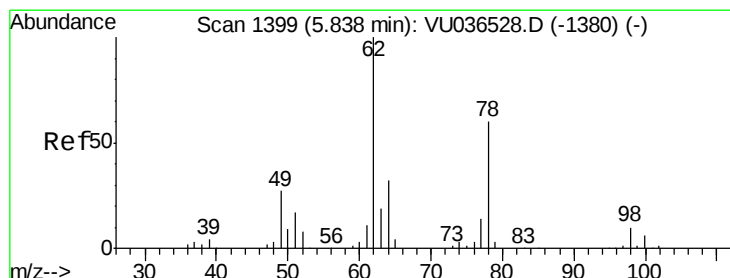
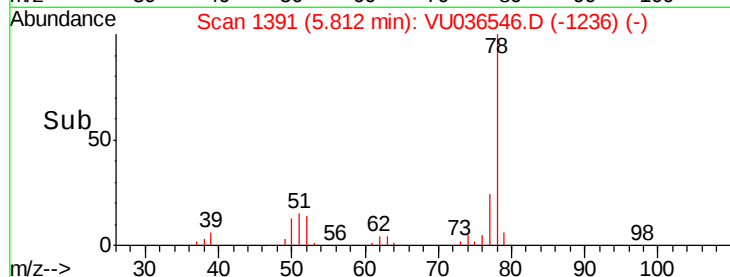
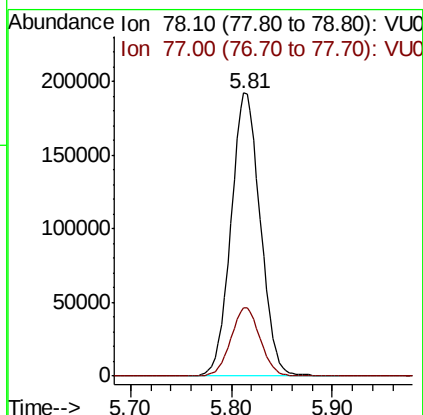
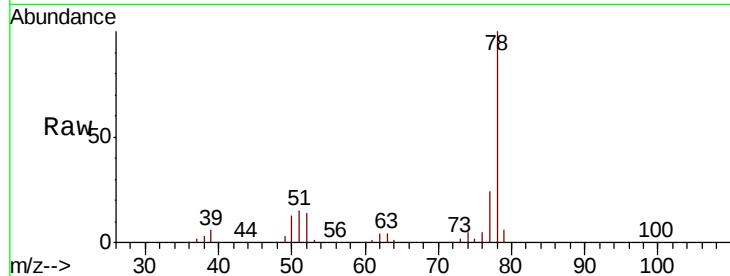




#35
Benzene
Concen: 9.824 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

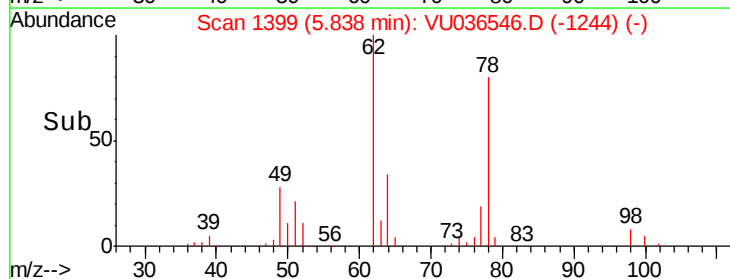
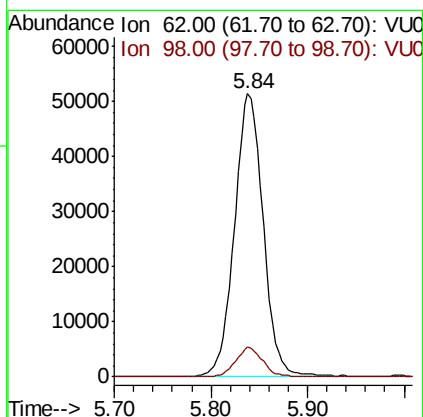
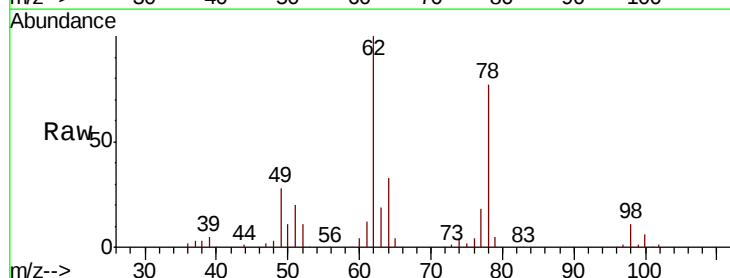
Instrument :
MSVOA_U
ClientSampleId :

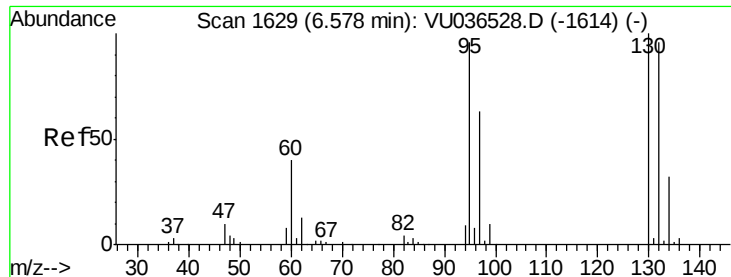
Tot Ion: 78 Resp: 387877
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0



#36
1,2-Dichloroethane
Concen: 9.993 ug/l
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 62 Resp: 106210
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

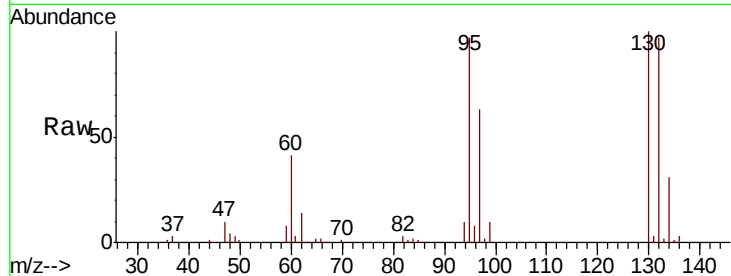




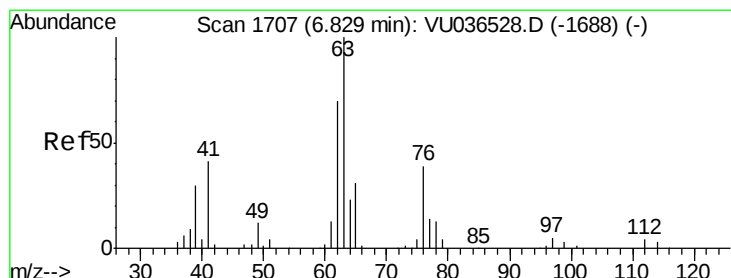
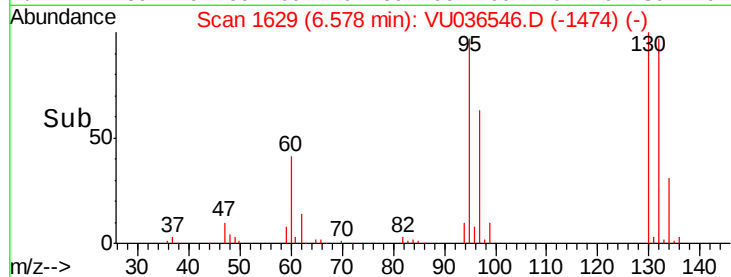
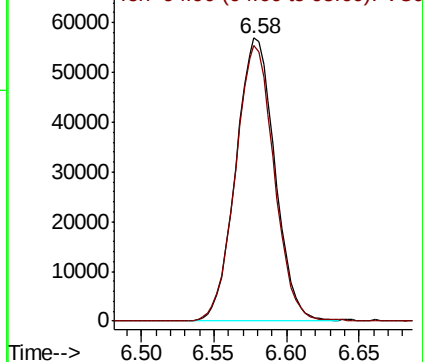
#37
 Trichloroethene
 Concen: 9.736 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 106133
 Ion Ratio Lower Upper
 130 100
 95 97.5 77.0 115.4

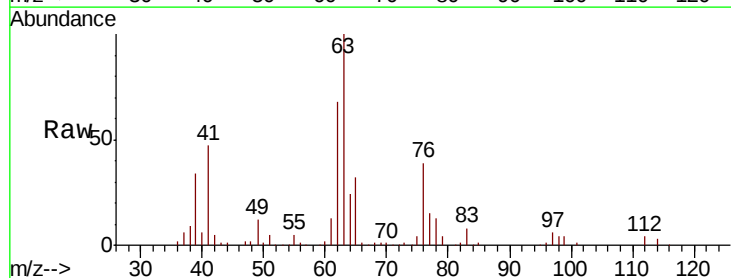


Abundance Ion 129.90 (129.60 to 130.60): VU036528.D (-1614) (-)
 Ion 94.90 (94.60 to 95.60): VU036528.D (-1614) (-)

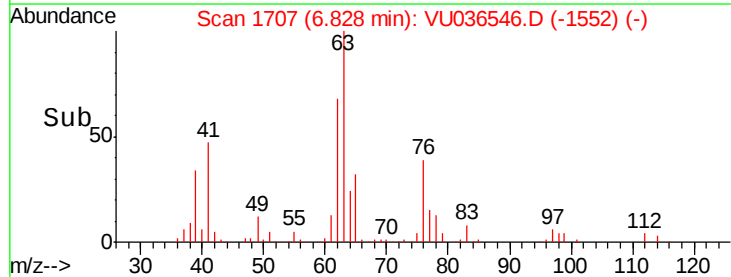
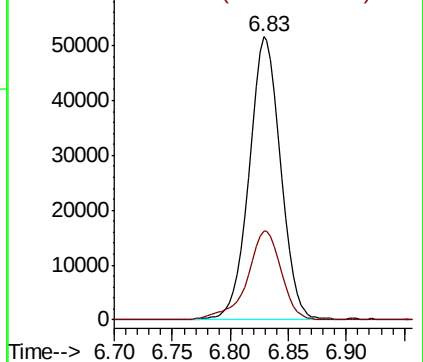


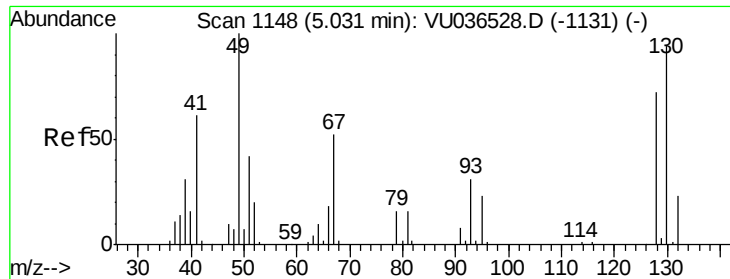
#38
 1,2-Dichloropropane
 Concen: 9.881 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion: 63 Resp: 98094
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU036528.D (-1688) (-)
 Ion 65.00 (64.70 to 65.70): VU036528.D (-1688) (-)

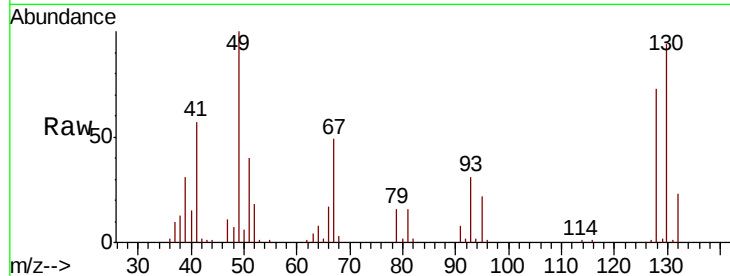




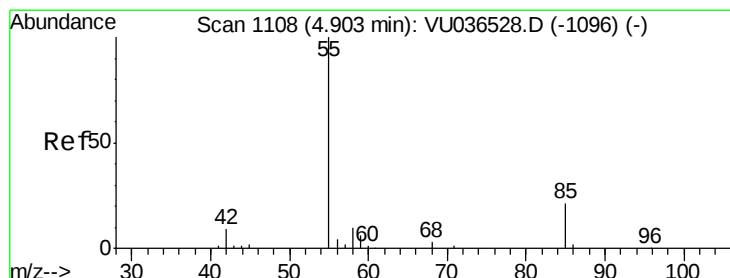
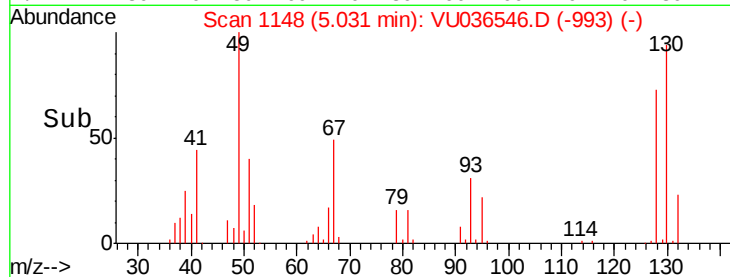
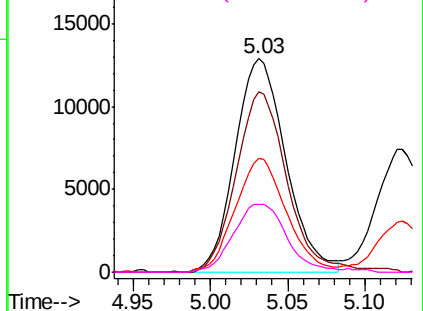
#39
Methacrylonitrile
Concen: 9.849 ug/l
RT: 5.03 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 29441
Ion Ratio Lower Upper
41 100
67 85.3 69.6 104.4
39 53.6 41.6 62.4
52 33.4 25.9 38.9

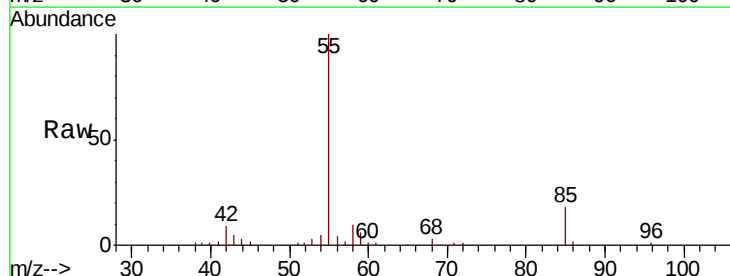


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

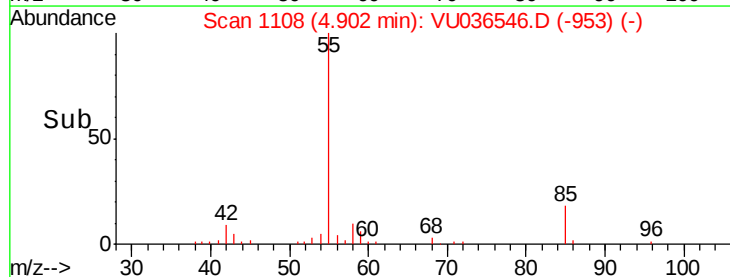
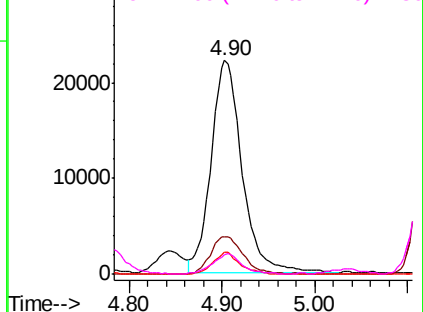


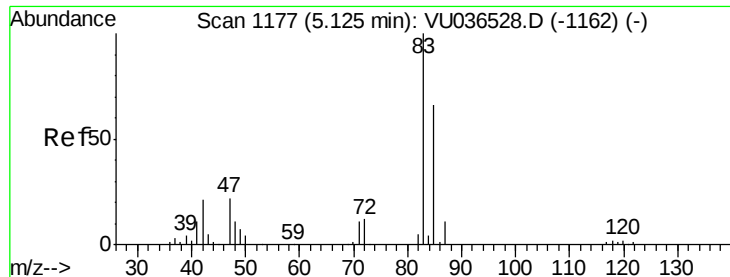
#40
Methyl acrylate
Concen: 10.875 ug/l
RT: 4.90 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 55 Resp: 51525
Ion Ratio Lower Upper
55 100
85 18.3 14.7 22.1
58 8.7 7.1 10.7
42 9.0 6.9 10.3



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0

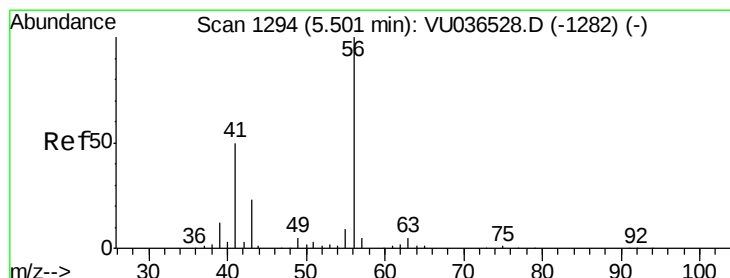
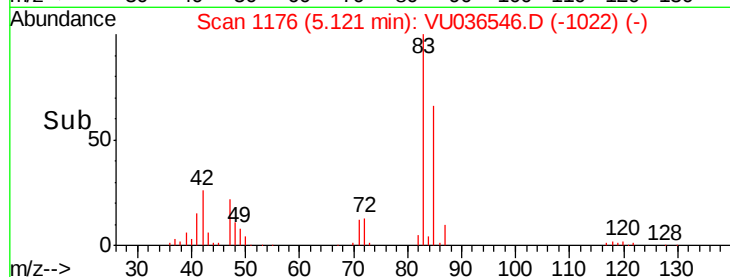
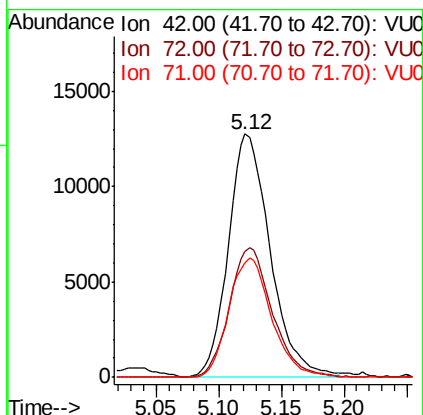
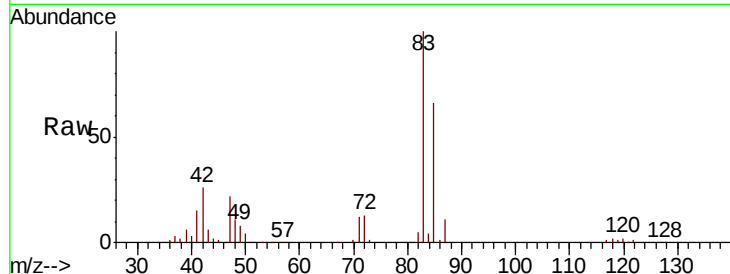




#41
Tetrahydrofuran
Concen: 18.237 ug/l
RT: 5.12 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

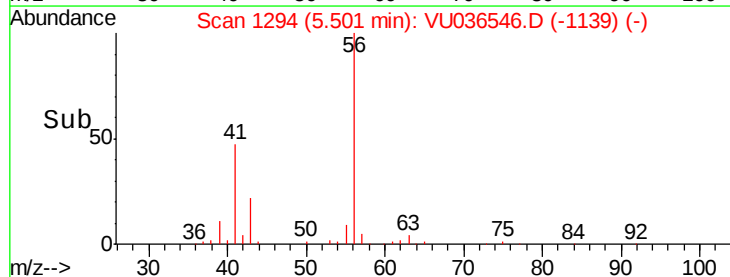
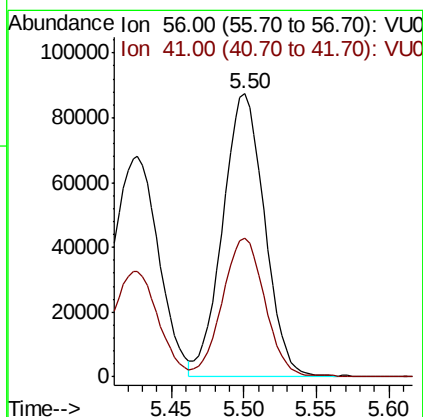
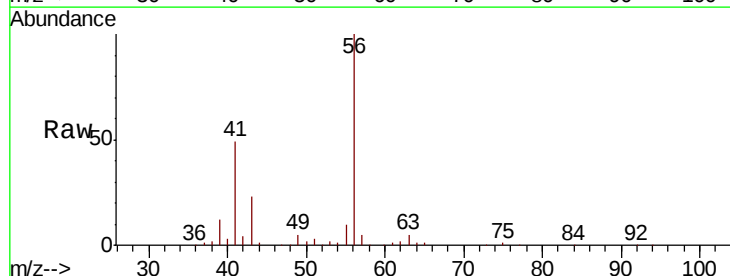
Instrument :
MSVOA_U
ClientSampleId :

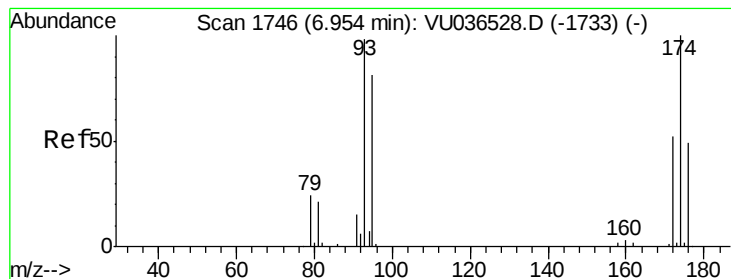
Tot Ion: 42 Resp: 29701
Ion Ratio Lower Upper
42 100
72 54.6 42.5 63.7
71 50.0 37.3 55.9



#42
1-Chlorobutane
Concen: 9.877 ug/l
RT: 5.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 56 Resp: 174479
Ion Ratio Lower Upper
56 100
41 49.5 24.8 74.3





#43

Dibromomethane

Concen: 9.777 ug/l

RT: 6.96 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

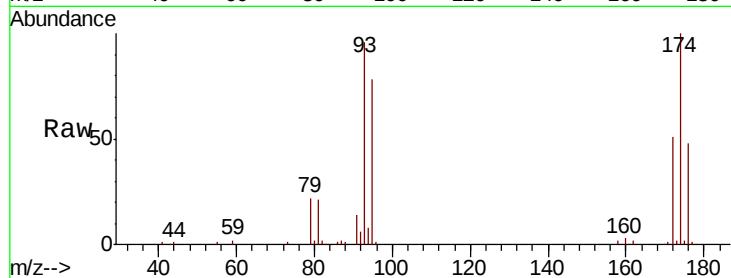
Tot Ion: 93 Resp: 50659

Ion Ratio Lower Upper

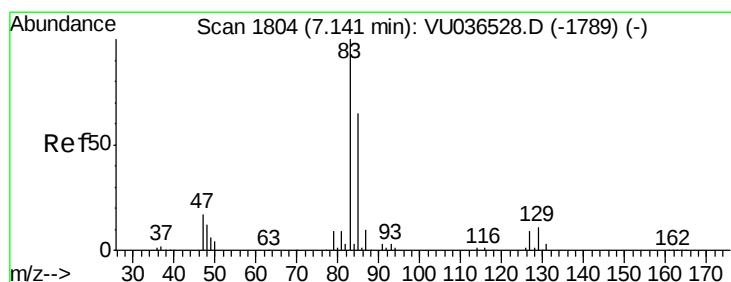
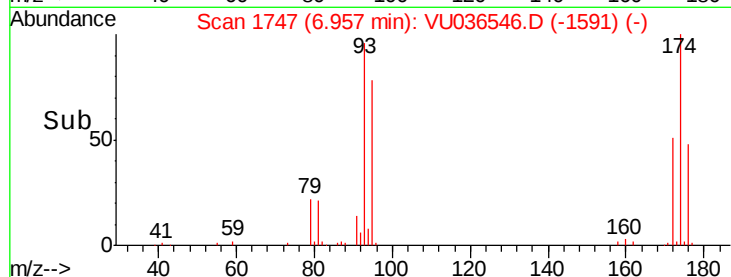
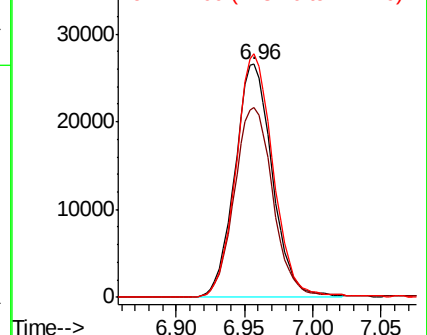
93 100

95 84.3 67.9 101.9

174 104.0 83.4 125.0



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 10.020 ug/l

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

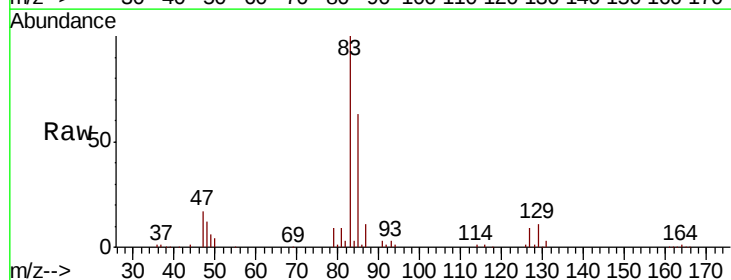
Tgt Ion: 83 Resp: 122807

Ion Ratio Lower Upper

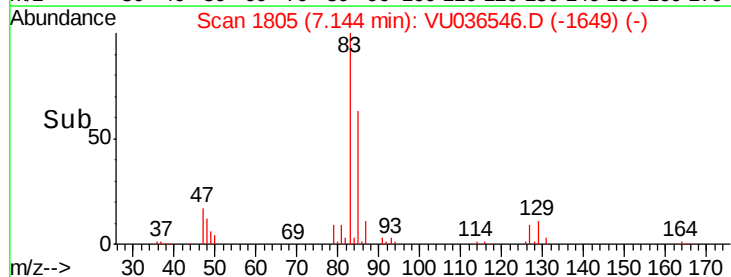
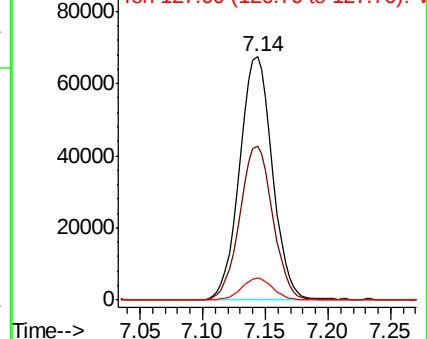
83 100

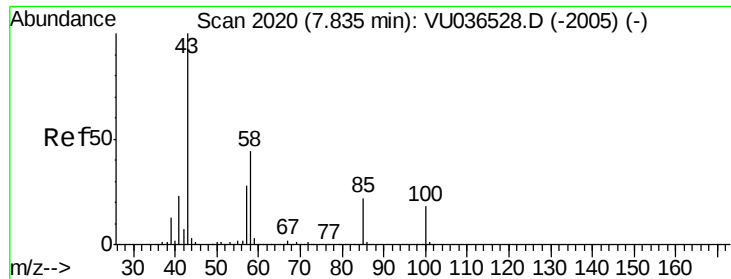
85 63.2 51.8 77.6

127 8.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

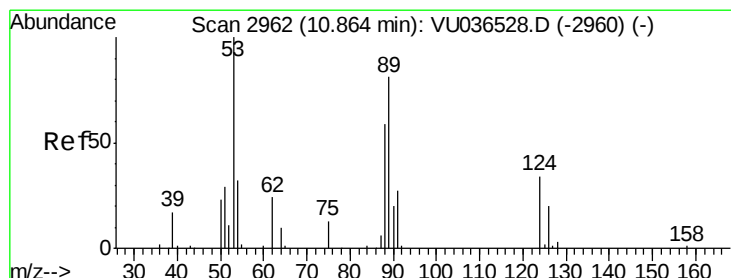
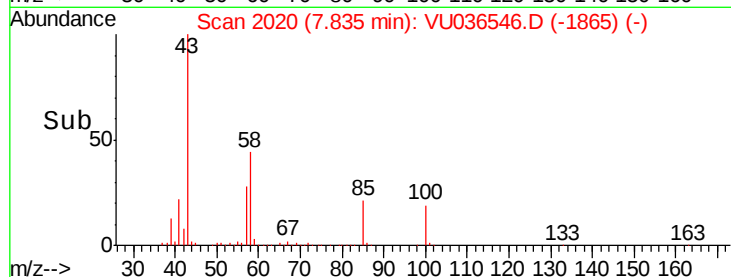
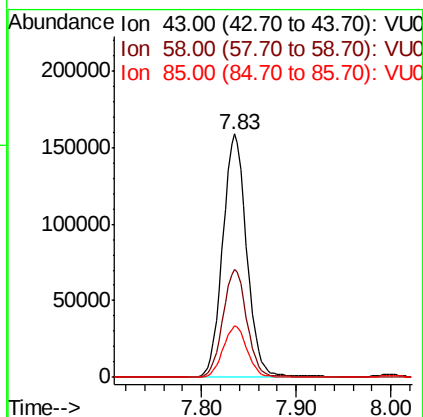
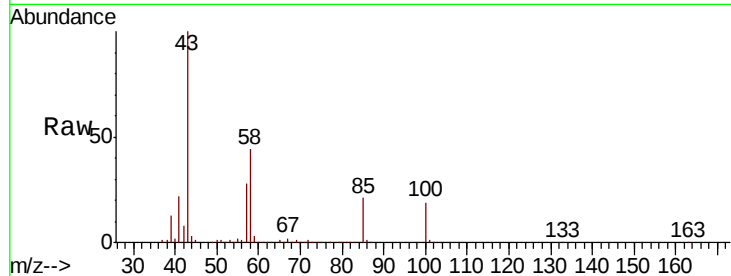




#45
4-Methyl-2-Pentanone
Concen: 48.075 ug/l
RT: 7.83 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

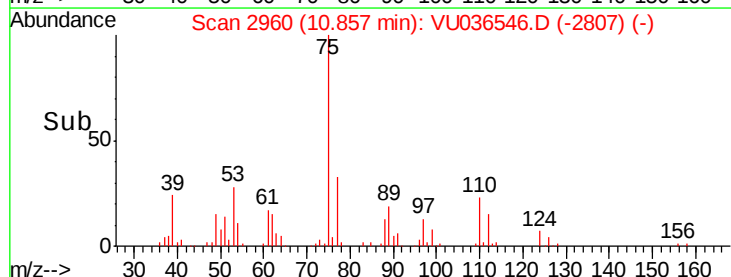
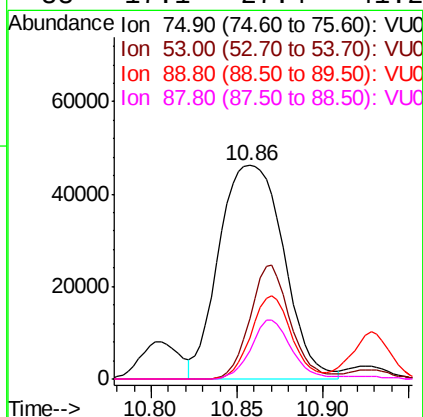
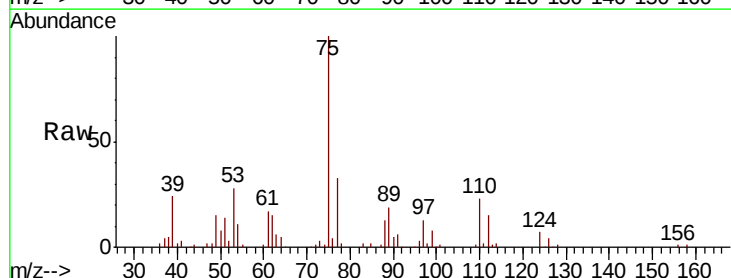
Instrument :
MSVOA_U
ClientSampleId :

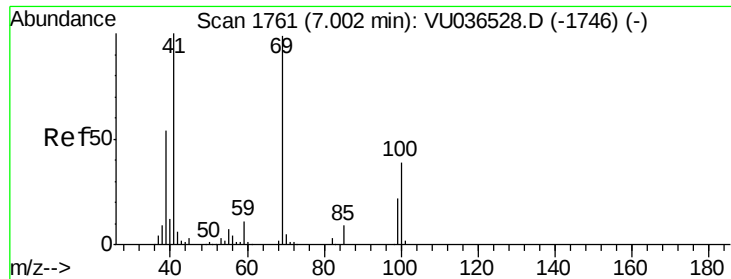
Tot Ion	Ratio	Lower	Upper
43	100		
58	43.9	22.1	66.1
85	21.3	17.4	26.0



#46
t-1,4-Dichloro-2-butene
Concen: 47.087 ug/l
RT: 10.86 min Scan# 2960
Delta R.T. -0.01 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion	Ratio	Lower	Upper
75	100		
53	32.8	52.2	78.2#
89	24.5	39.8	59.6#
88	17.1	27.4	41.2#

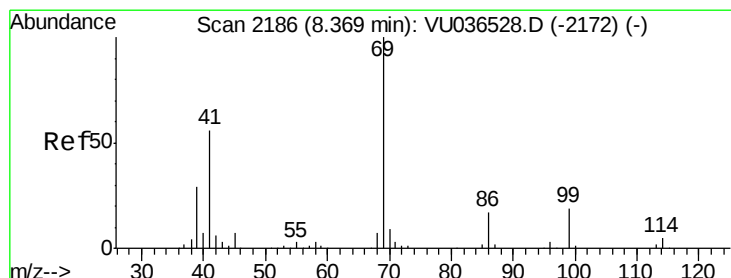
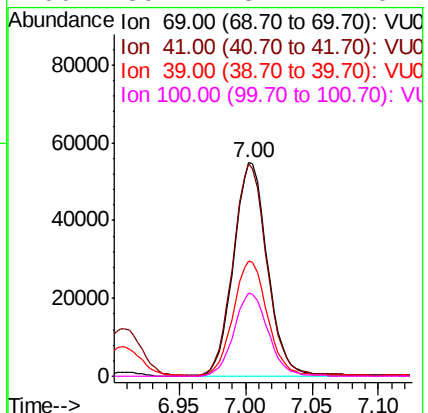
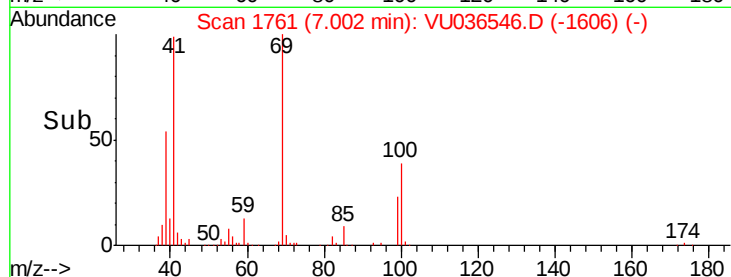
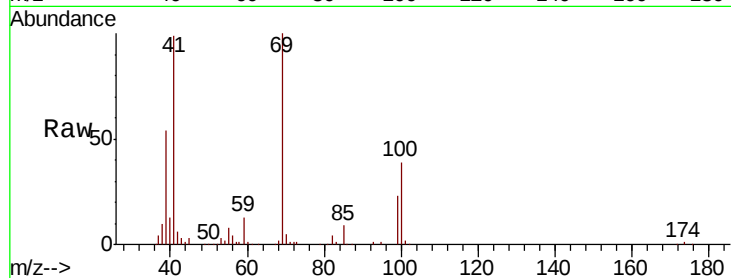




#47
Methyl methacrylate
Concen: 19.262 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

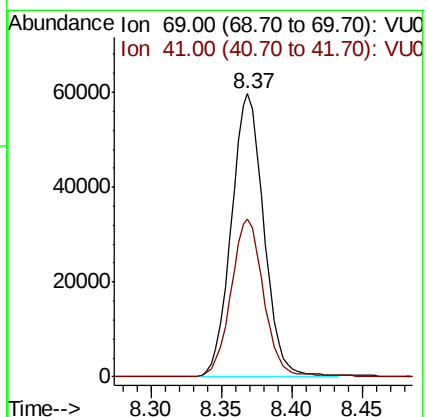
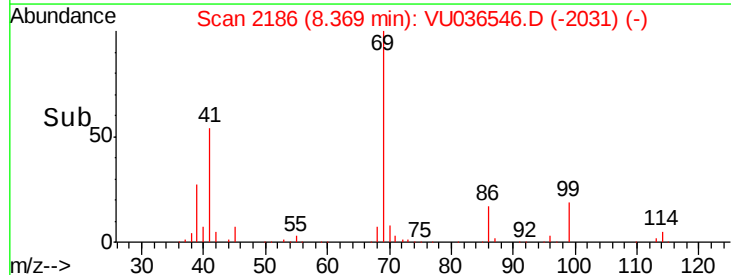
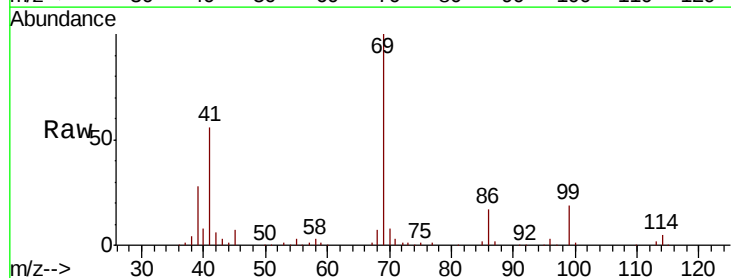
Instrument :
MSVOA_U
ClientSampled :

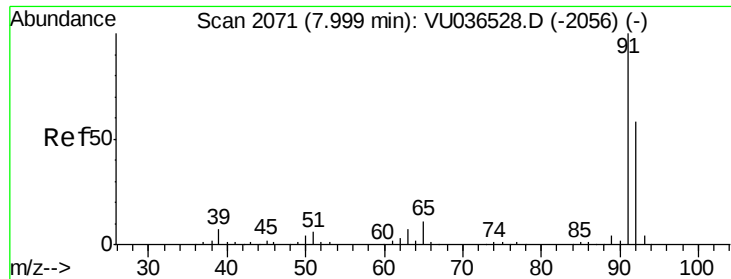
Tot Ion: 69 Resp: 97807
Ion Ratio Lower Upper
69 100
41 98.8 0.0 200.8
39 54.2 43.5 65.3
100 39.1 31.1 46.7



#48
Ethyl methacrylate
Concen: 9.815 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 69 Resp: 96260
Ion Ratio Lower Upper
69 100
41 56.5 27.9 83.6





#49

Toluene

Concen: 9.855 ug/l

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

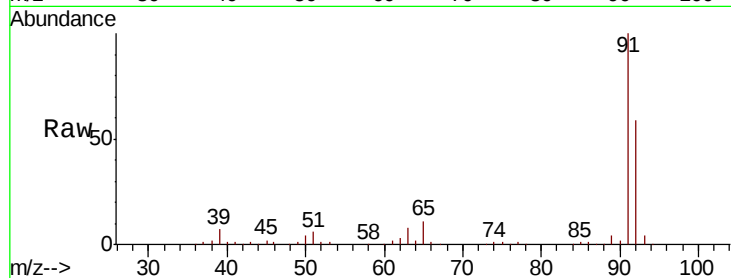
ClientSampled :

Tot Ion: 92 Resp: 248396

Ion Ratio Lower Upper

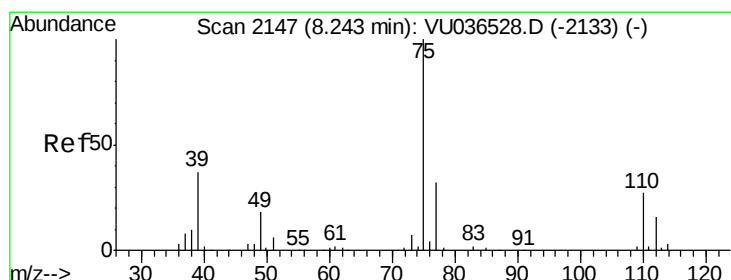
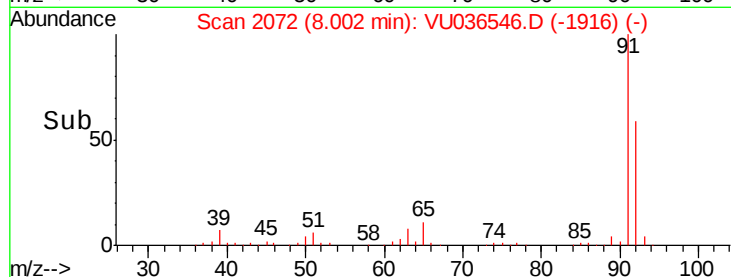
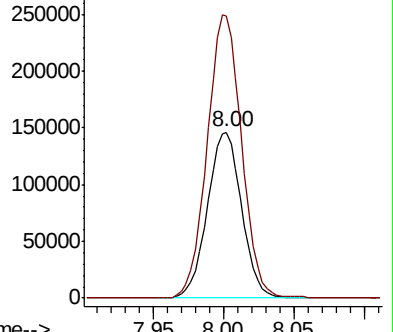
92 100

91 172.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VU036528.D (-2056) (-)

Ion 91.00 (90.70 to 91.70): VU036528.D (-2056) (-)



#50

t-1,3-Dichloropropene

Concen: 10.058 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036546.D

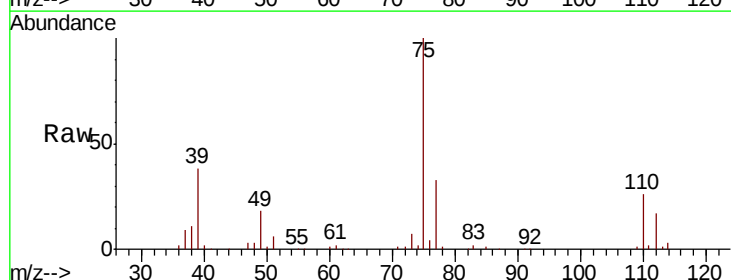
Acq: 23 Jan 2020 18:23

Tgt Ion: 75 Resp: 122836

Ion Ratio Lower Upper

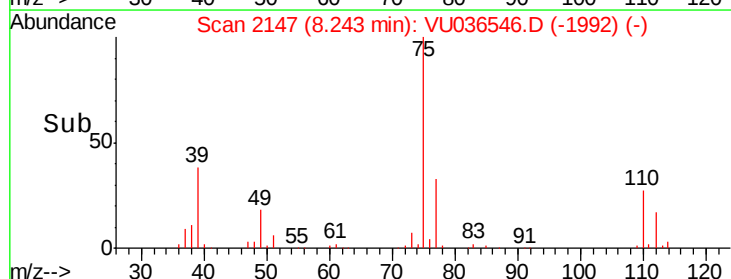
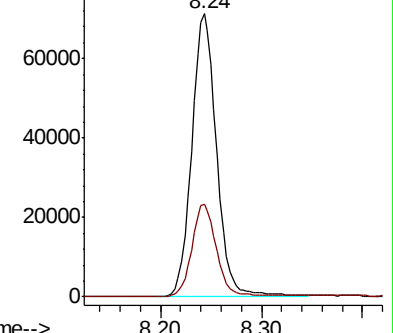
75 100

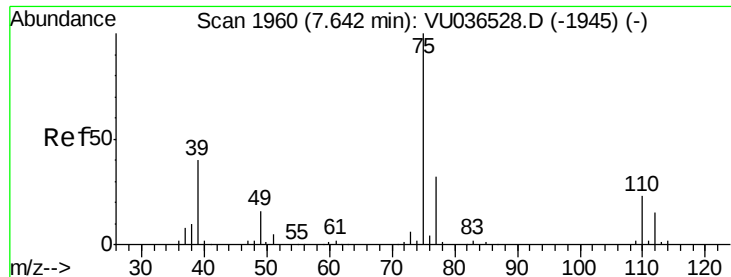
77 32.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-2133) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-2133) (-)

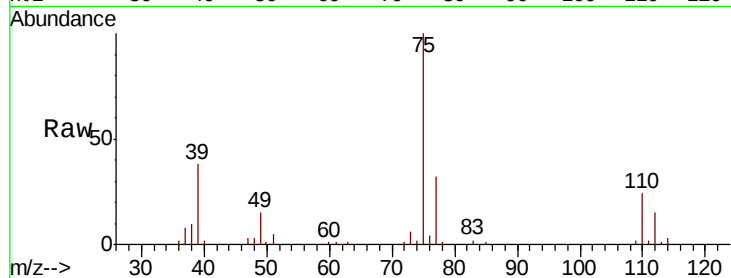




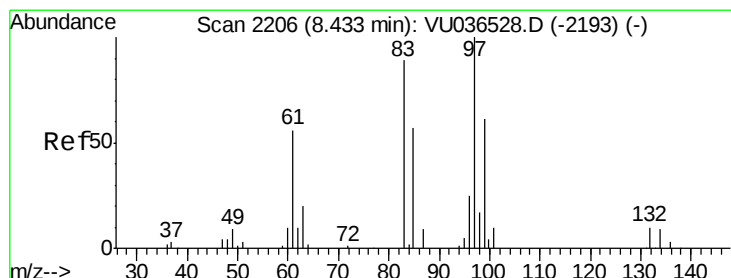
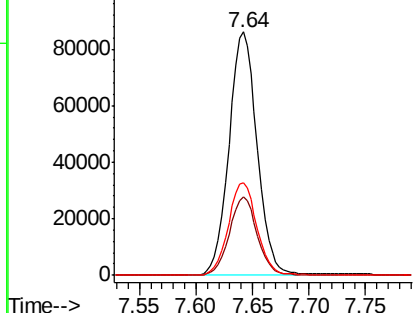
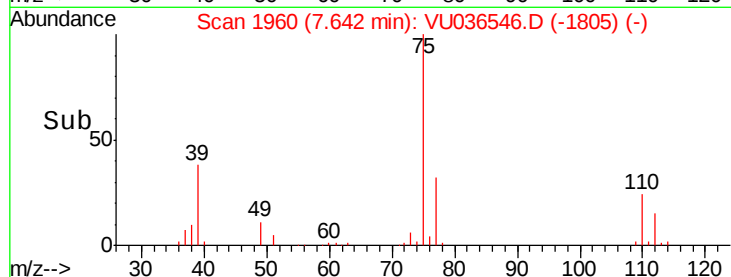
#51
 cis-1,3-Dichloropropene
 Concen: 10.098 ug/l
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 149475
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 38.3 31.8 47.6

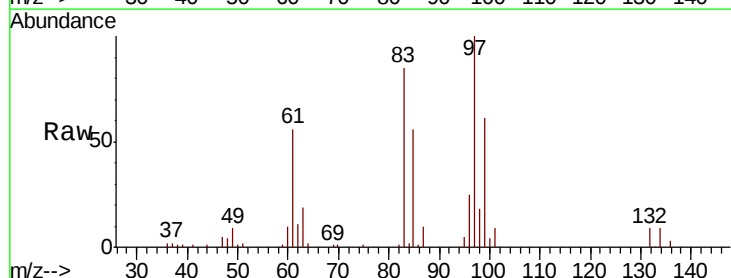


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

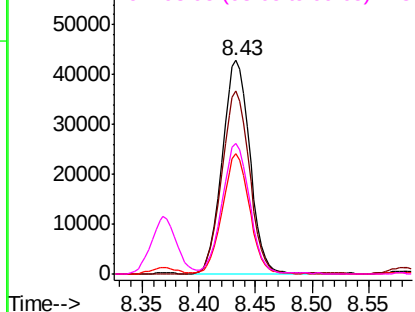
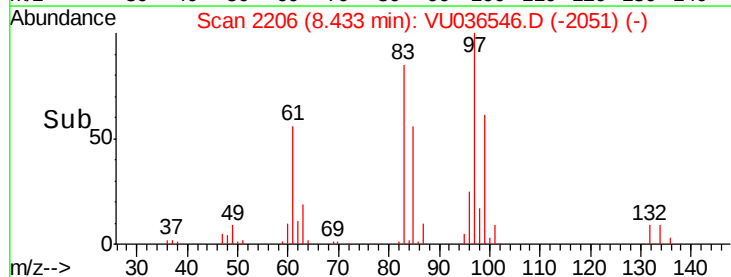


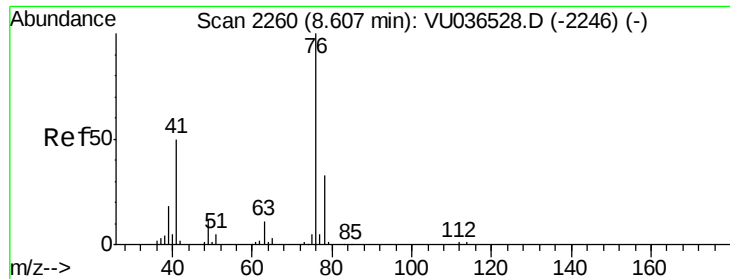
#52
 1,1,2-Trichloroethane
 Concen: 9.937 ug/l
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion: 97 Resp: 73052
 Ion Ratio Lower Upper
 97 100
 83 85.4 70.9 106.3
 85 55.9 45.6 68.4
 99 60.9 51.0 76.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





#53

1,3-Dichloropropane

Concen: 9.922 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

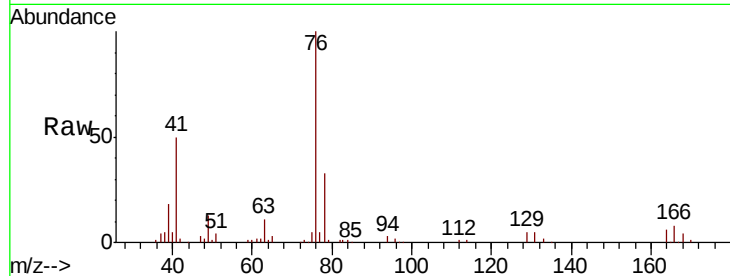
ClientSampleId :

Tot Ion: 76 Resp: 125022

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU036528.D (-2246) (-)

Ion 78.00 (77.70 to 78.70): VU036528.D (-2246) (-)

8.61

80000

60000

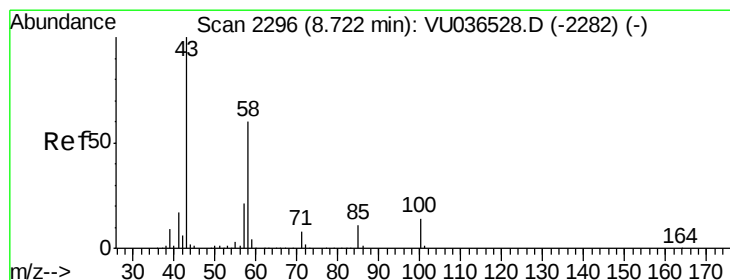
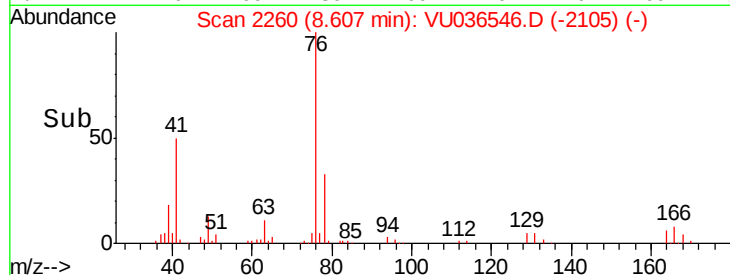
40000

20000

0

8.55 8.60 8.65 8.70

Time-->



#54

2-Hexanone

Concen: 47.580 ug/l

RT: 8.72 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

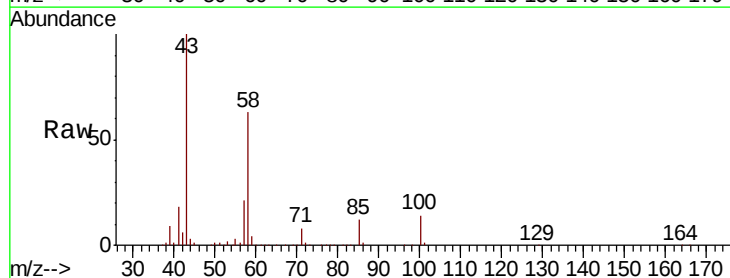
Tgt Ion: 43 Resp: 194796

Ion Ratio Lower Upper

43 100

58 61.7 40.6 80.6

57 21.1 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-2282) (-)

Ion 58.00 (57.70 to 58.70): VU036528.D (-2282) (-)

Ion 57.00 (56.70 to 57.70): VU036528.D (-2282) (-)

150000

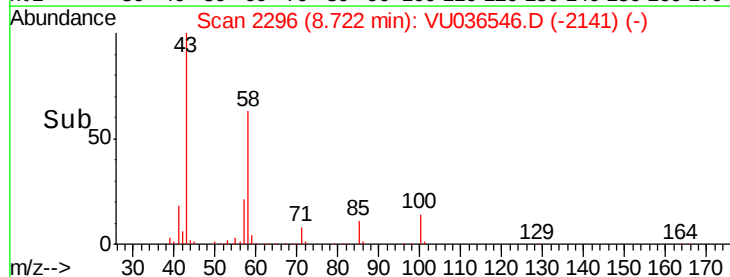
100000

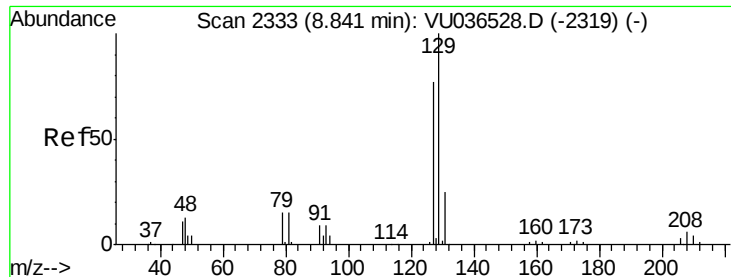
50000

0

8.70 8.72 8.74

Time-->

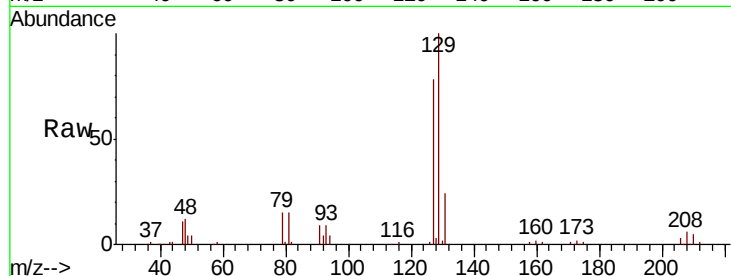




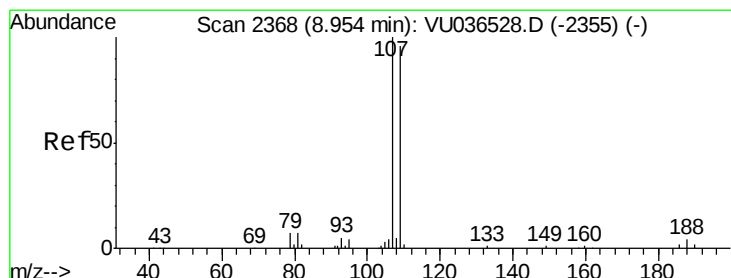
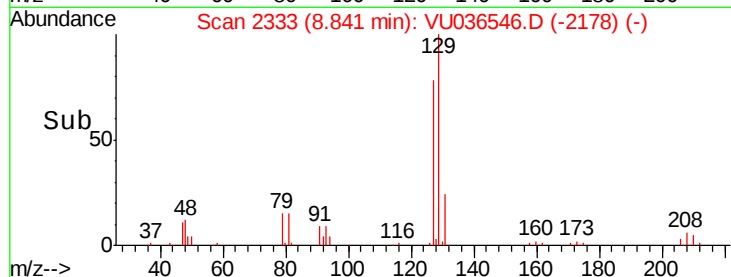
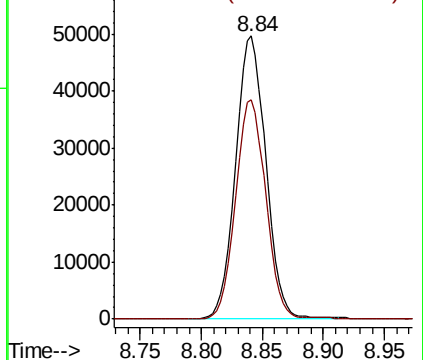
#55
 Dibromochloromethane
 Concen: 10.098 ug/l
 RT: 8.84 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 85471
 Ion Ratio Lower Upper
 129 100
 127 77.0 62.6 94.0

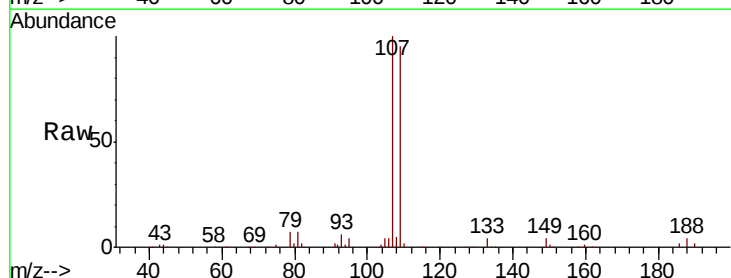


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

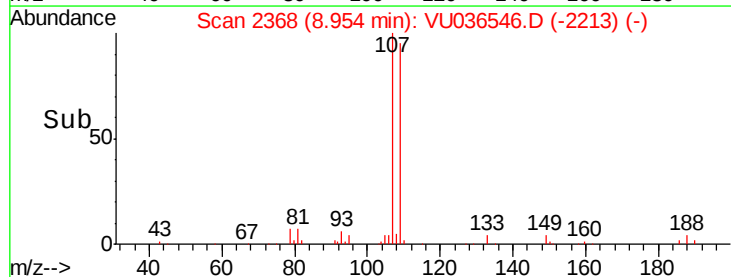
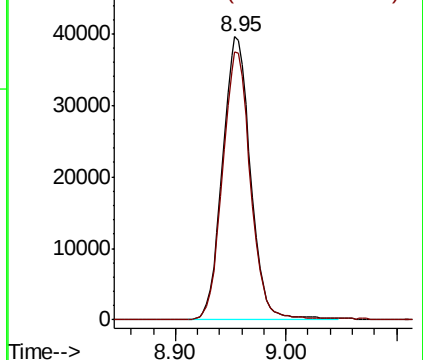


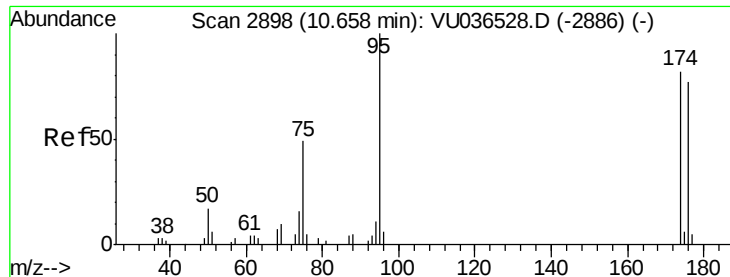
#56
 1,2-Dibromoethane
 Concen: 9.875 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:107 Resp: 69904
 Ion Ratio Lower Upper
 107 100
 109 93.8 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

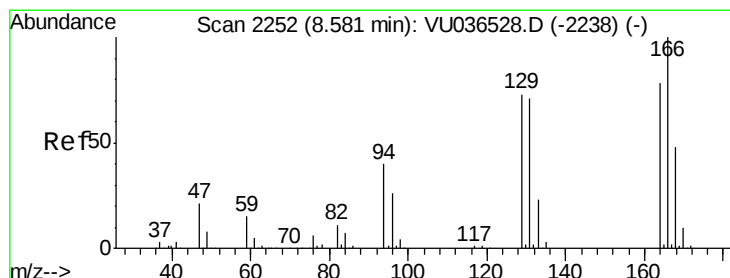
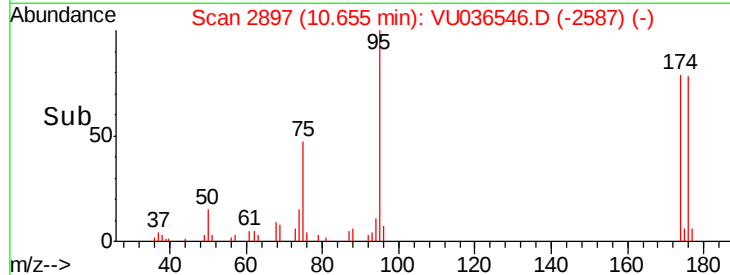
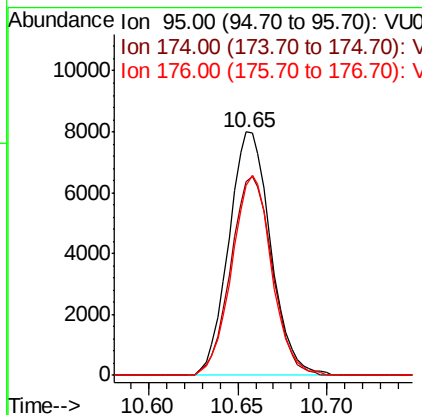
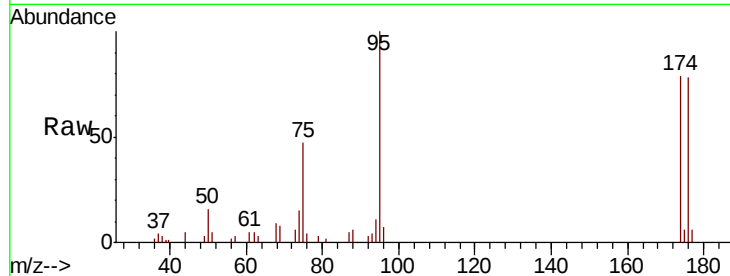




#57
4-Bromofluorobenzene
Concen: 0.972 ug/l
RT: 10.65 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

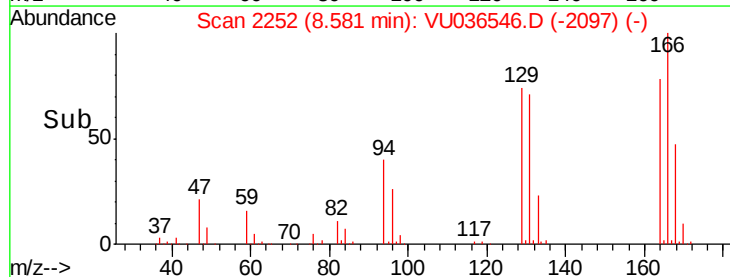
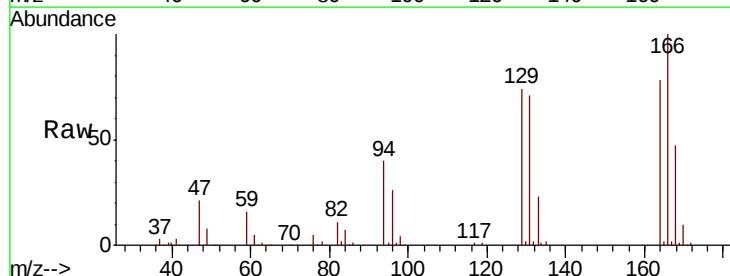
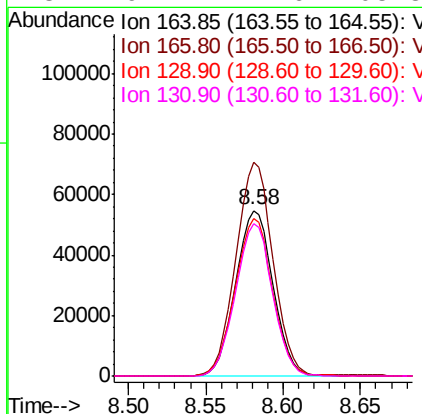
Instrument :
MSVOA_U
ClientSampled :

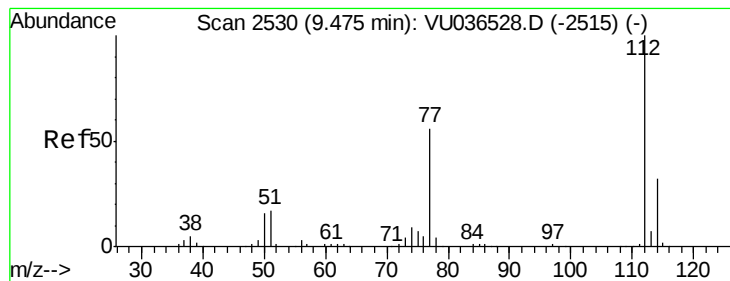
Tot Ion: 95 Resp: 13072
Ion Ratio Lower Upper
95 100
174 80.9 64.7 97.1
176 78.3 60.6 91.0



#58
Tetrachloroethene
Concen: 8.437 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 164 Resp: 91926
Ion Ratio Lower Upper
164 100
166 128.8 102.0 153.0
129 95.0 74.9 112.3
131 91.7 72.6 108.8





#59

Chlorobenzene

Concen: 9.927 ug/l

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

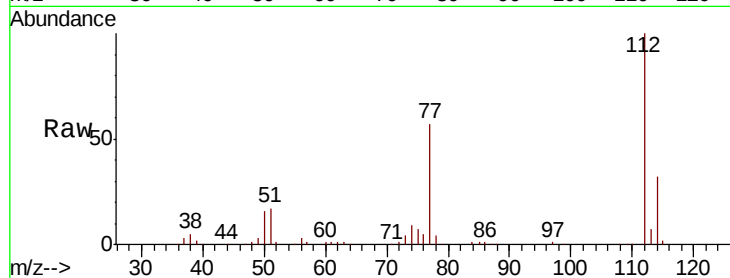
ClientSampleId :

Tot Ion:112 Resp: 278688

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.47

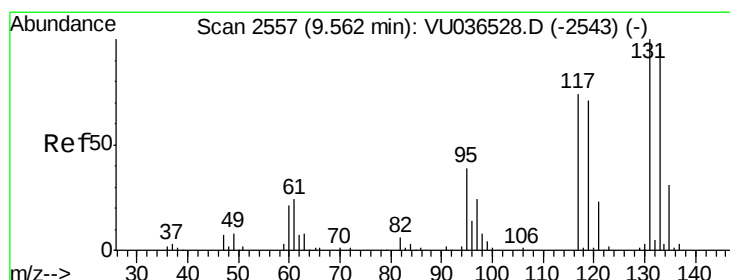
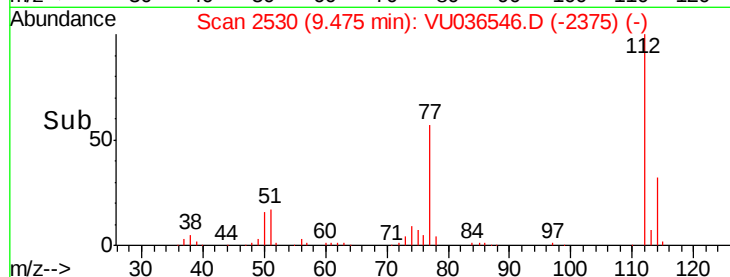
150000

100000

50000

0

Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 10.176 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

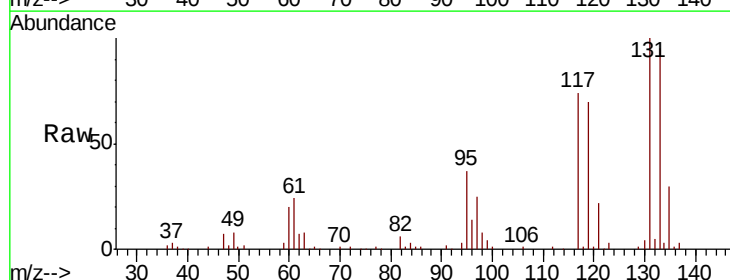
Tgt Ion:131 Resp: 91247

Ion Ratio Lower Upper

131 100

133 95.5 76.4 114.6

119 70.0 56.6 85.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.56

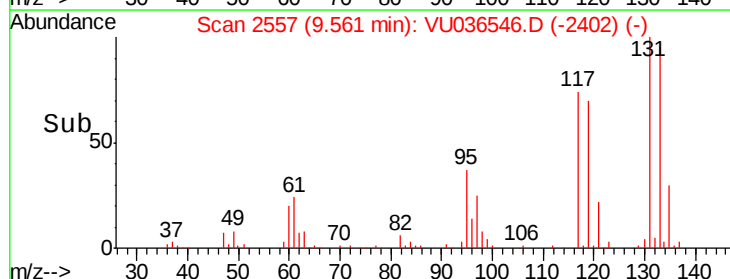
60000

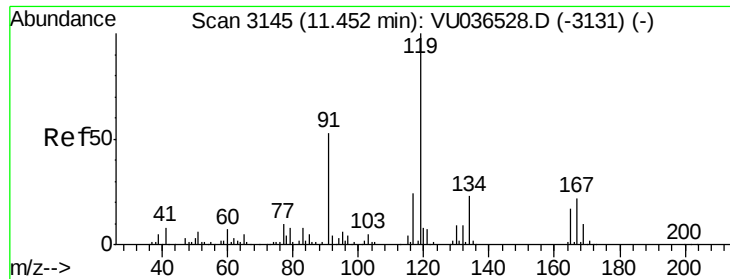
40000

20000

0

Time-->

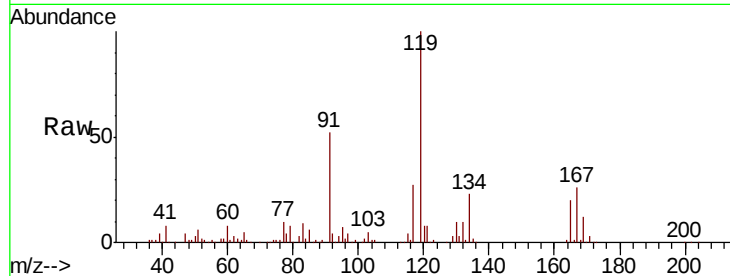




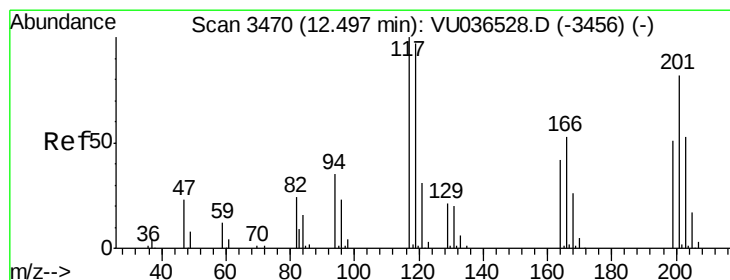
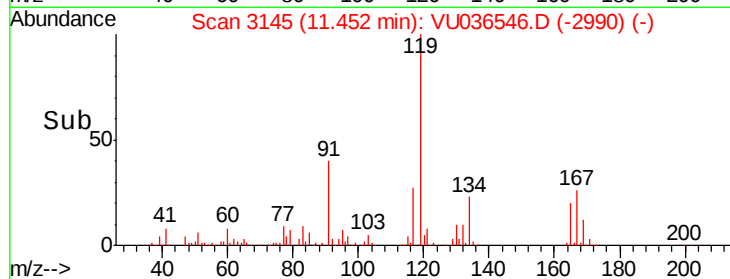
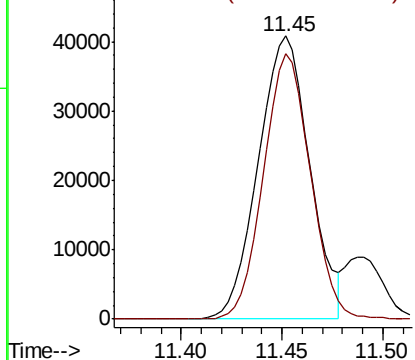
#61
 Pentachloroethane
 Concen: 12.518 ug/l
 RT: 11.45 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:117 Resp: 72420
 Ion Ratio Lower Upper
 117 100
 167 85.2 66.7 100.1

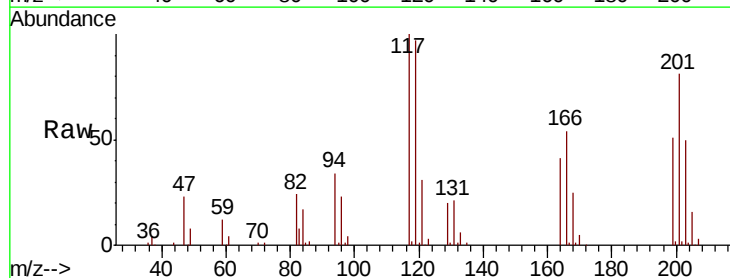


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

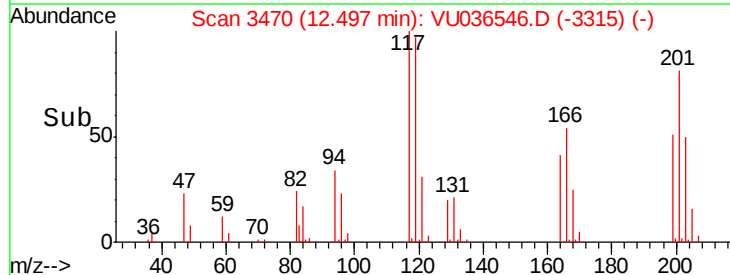
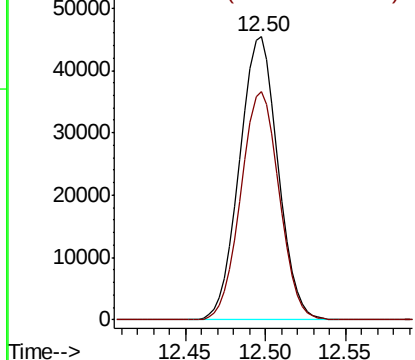


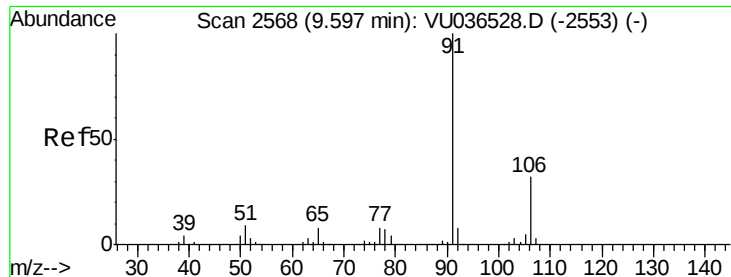
#62
 Hexachloroethane
 Concen: 10.090 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:117 Resp: 74392
 Ion Ratio Lower Upper
 117 100
 201 80.5 65.0 97.4



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V

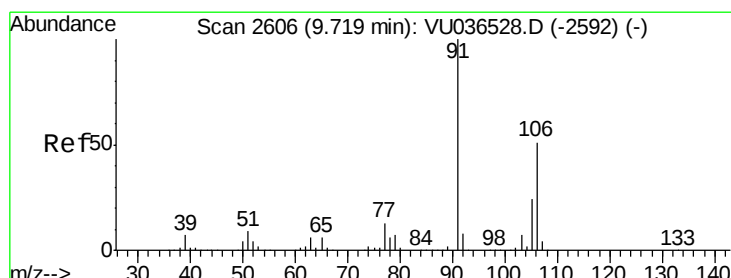
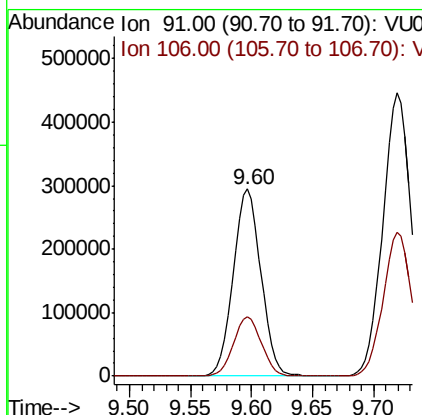
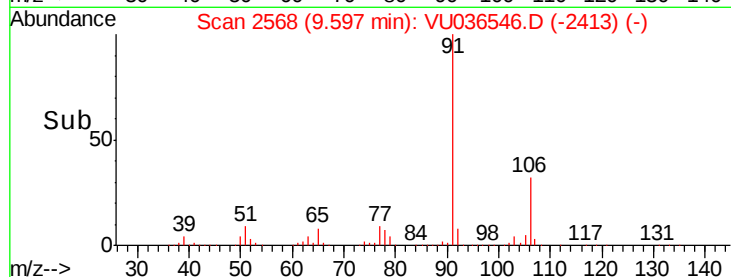
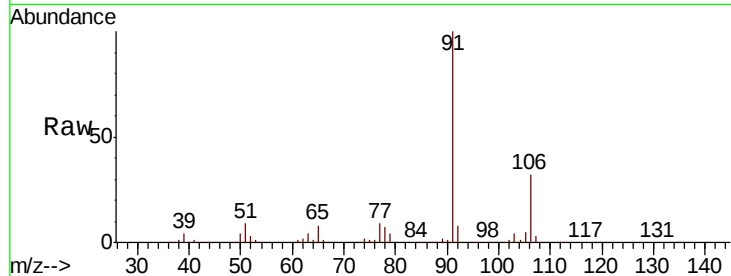




#63
Ethyl Benzene
Concen: 9.925 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

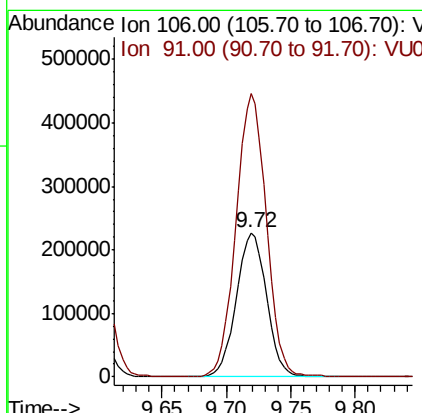
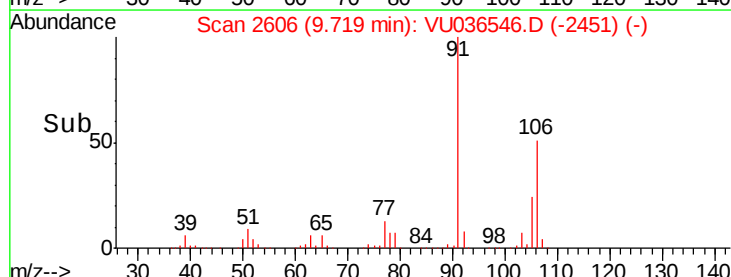
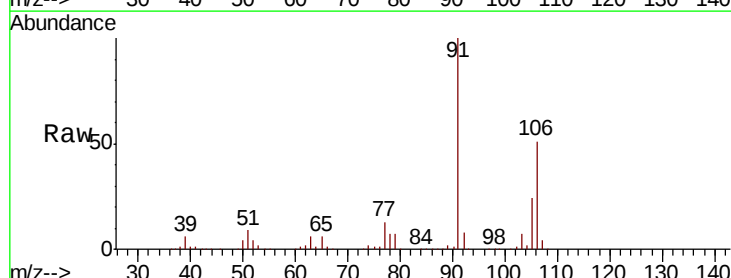
Instrument :
MSVOA_U
ClientSampled :

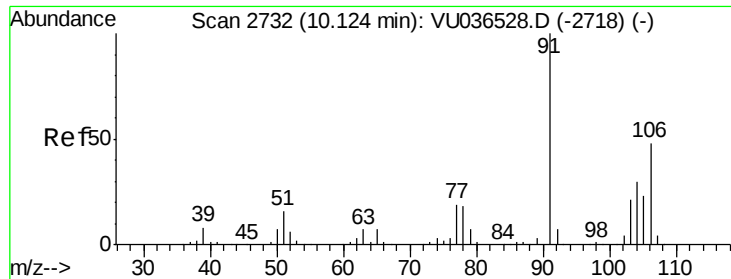
Tot Ion: 91 Resp: 467002
Ion Ratio Lower Upper
91 100
106 31.7 26.0 39.0



#64
m/p-Xylenes
Concen: 19.771 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion: 106 Resp: 368214
Ion Ratio Lower Upper
106 100
91 198.0 158.2 237.4

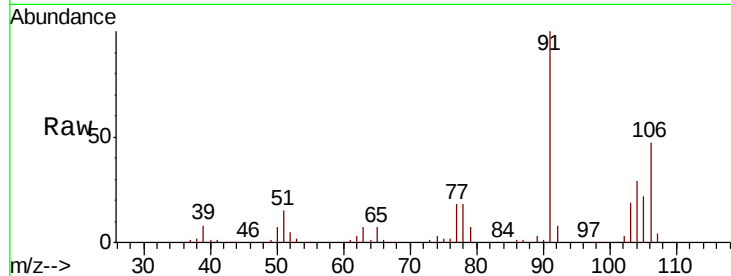




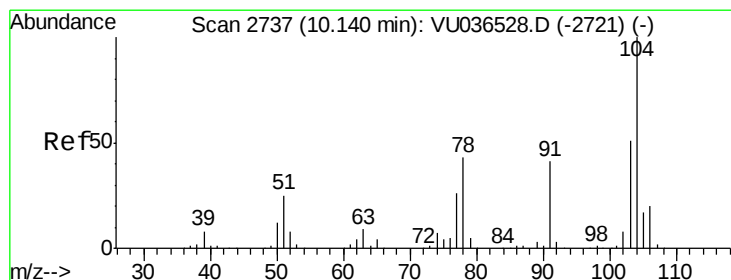
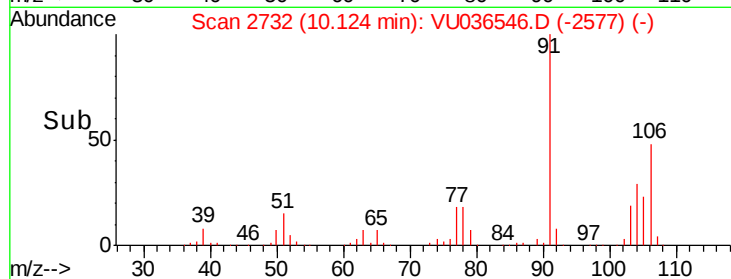
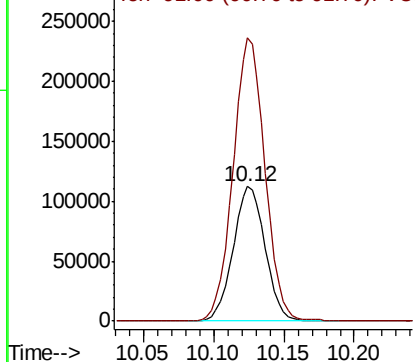
#65
o-Xylene
Concen: 9.881 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 178202
Ion Ratio Lower Upper
106 100
91 210.0 104.3 312.9

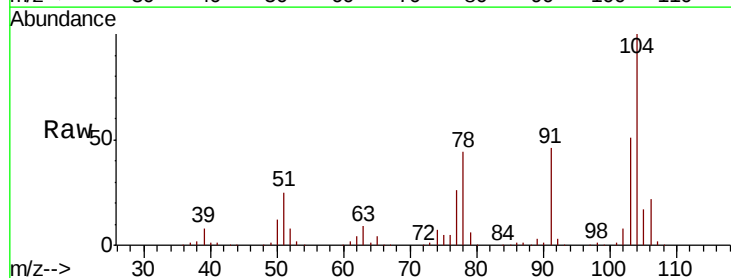


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

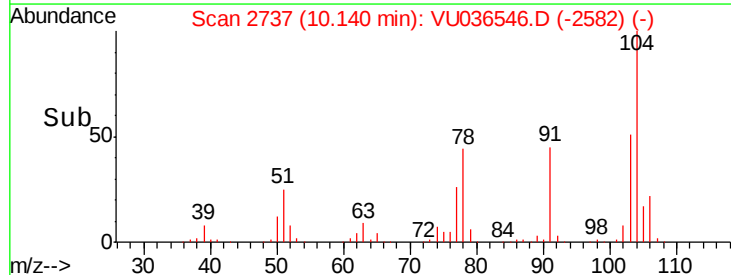
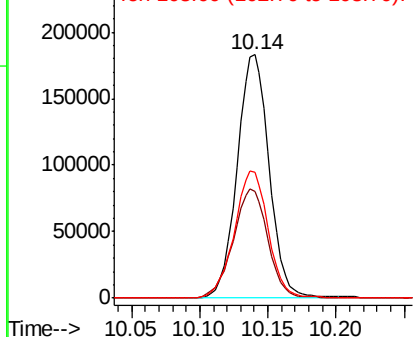


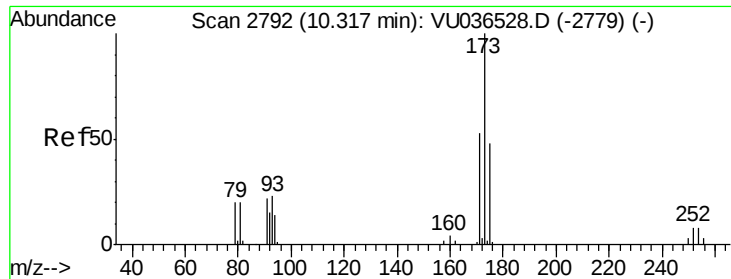
#66
Styrene
Concen: 9.882 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion:104 Resp: 298471
Ion Ratio Lower Upper
104 100
78 48.6 38.6 57.8
103 55.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

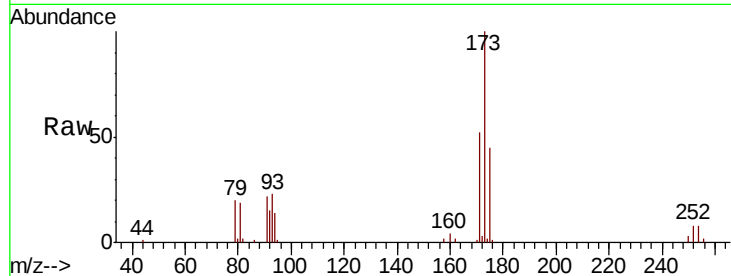




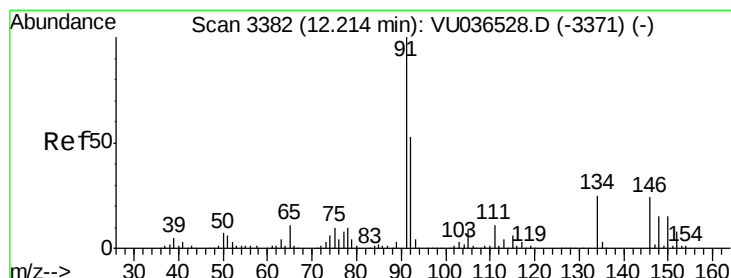
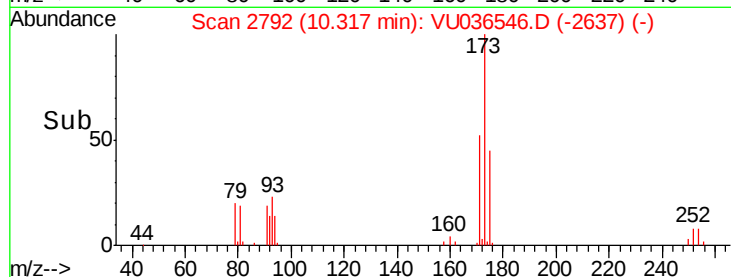
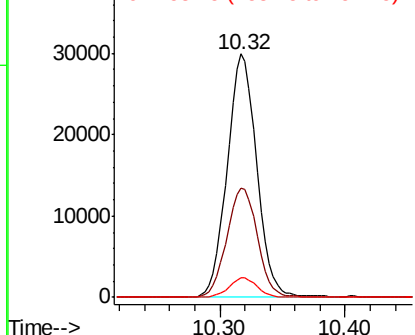
#67
Bromoform
Concen: 10.132 ug/l
RT: 10.32 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 49101
Ion Ratio Lower Upper
173 100
175 46.6 38.3 57.5
254 7.6 6.6 9.8

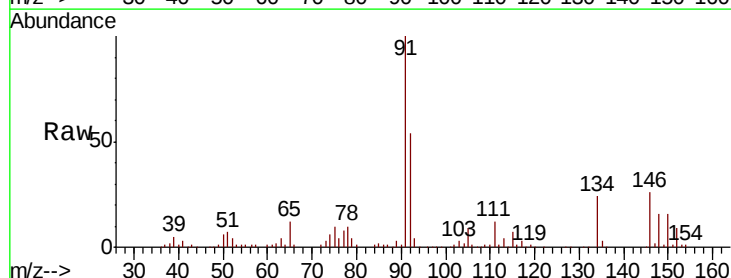


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

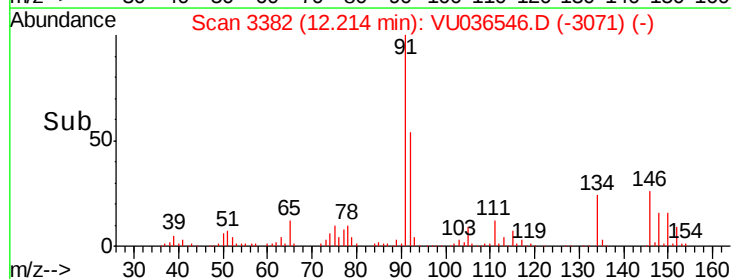
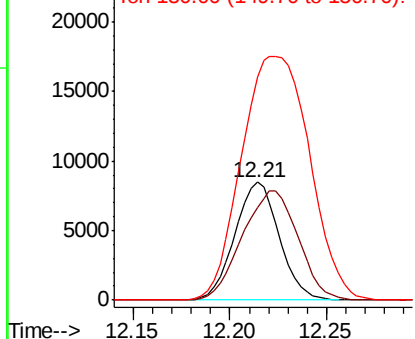


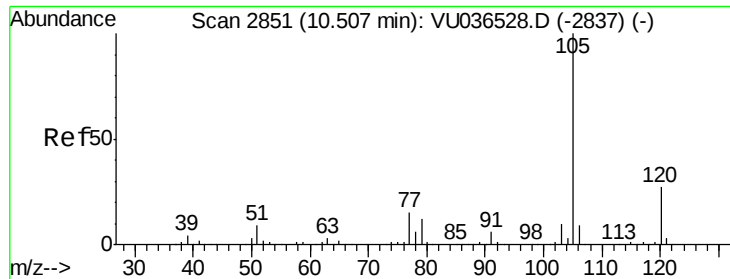
#68
1,2-Dichlorobenzene-d4
Concen: 0.978 ug/l
RT: 12.21 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion:152 Resp: 13466
Ion Ratio Lower Upper
152 100
115 116.8 0.0 241.8
150 318.4 0.0 652.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 9.952 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

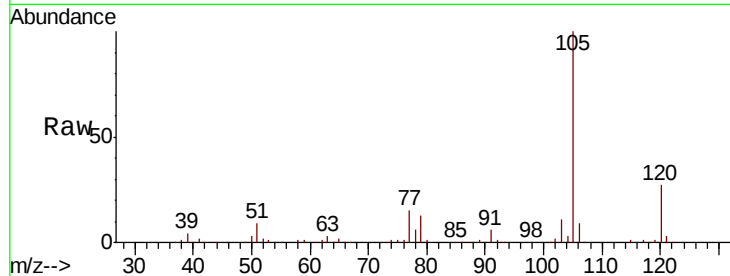
ClientSampleId :

Tot Ion:105 Resp: 471508

Ion Ratio Lower Upper

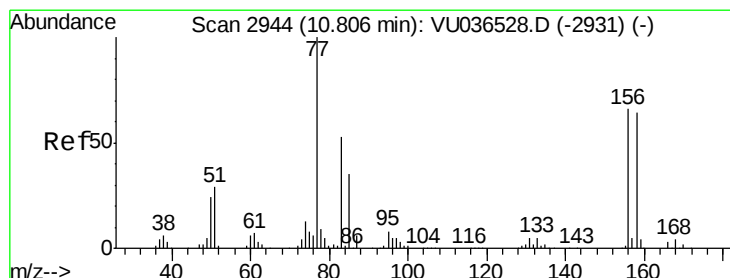
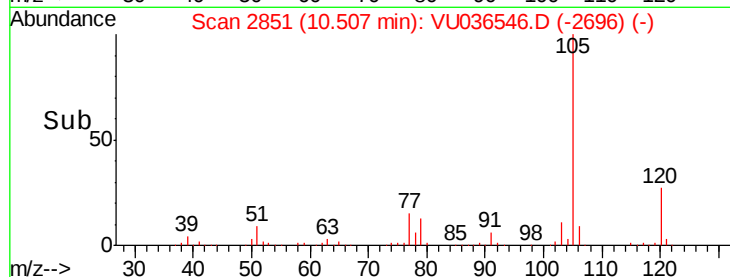
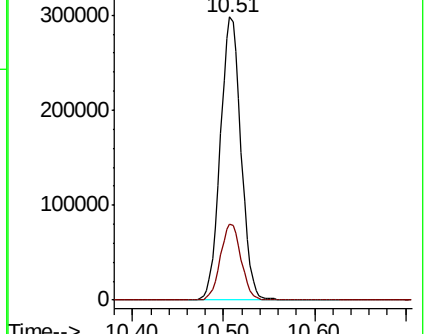
105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 10.017 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

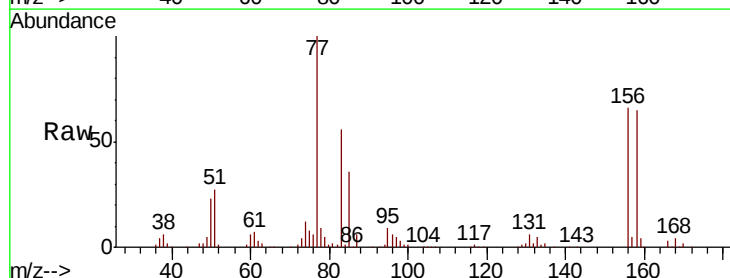
Tgt Ion: 83 Resp: 92911

Ion Ratio Lower Upper

83 100

131 10.3 7.8 11.8

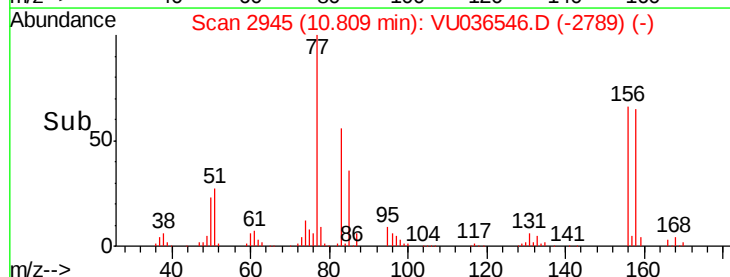
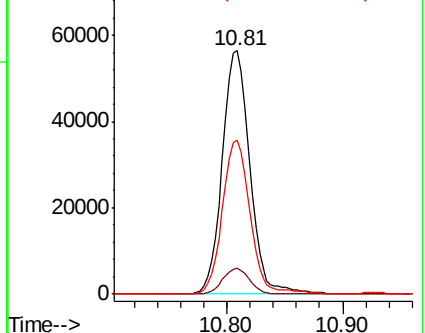
85 63.7 53.2 79.8

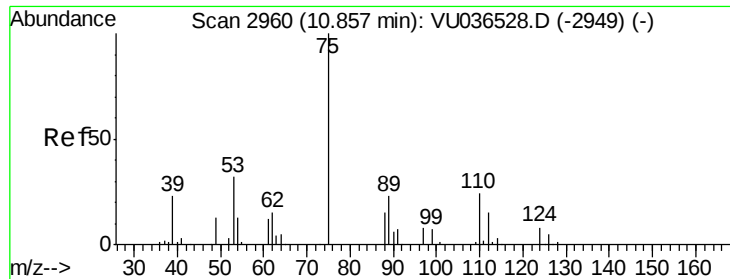


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 18.292 ug/l

RT: 10.86 min Scan# 2960

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 121058

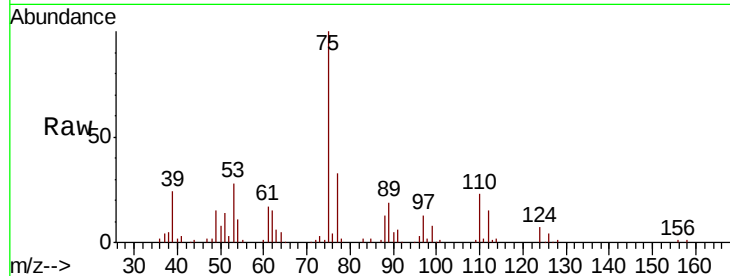
Ion Ratio Lower Upper

75 100

77 31.1 0.0 129.6

110 19.9 0.0 77.4

97 11.2 0.0 42.0

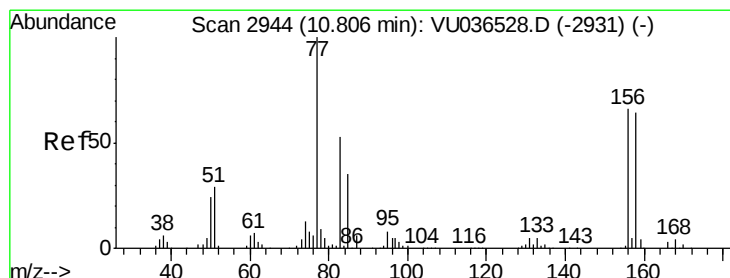
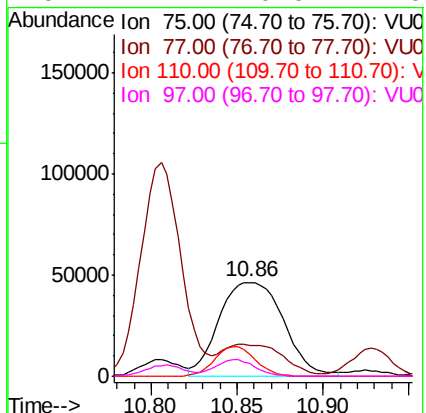
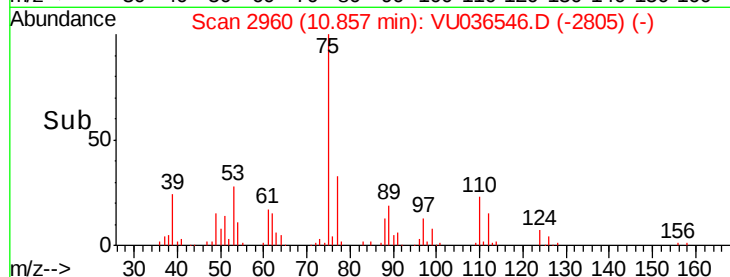


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 9.850 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

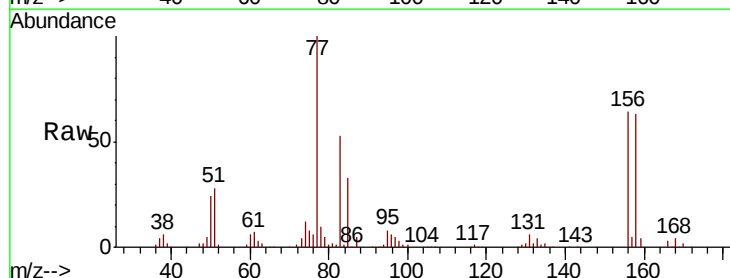
Tgt Ion: 156 Resp: 112431

Ion Ratio Lower Upper

156 100

77 154.4 0.0 306.6

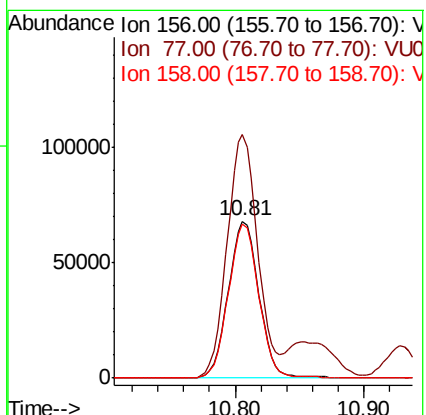
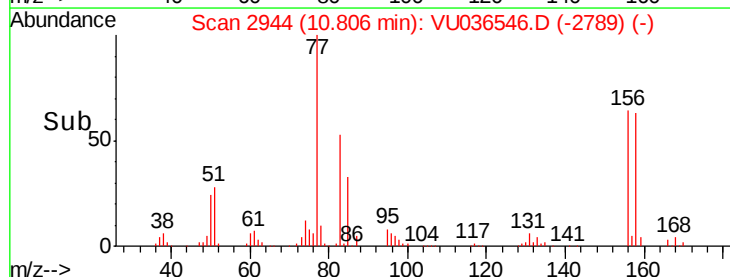
158 98.1 0.0 192.0

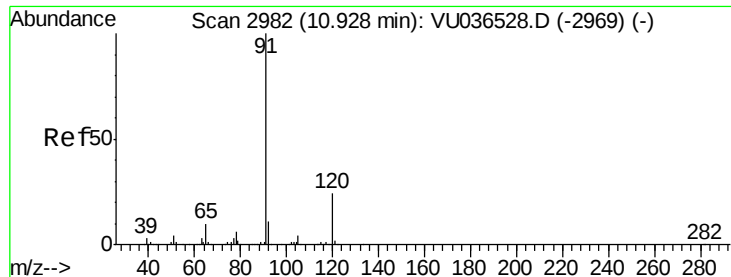


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 9.997 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

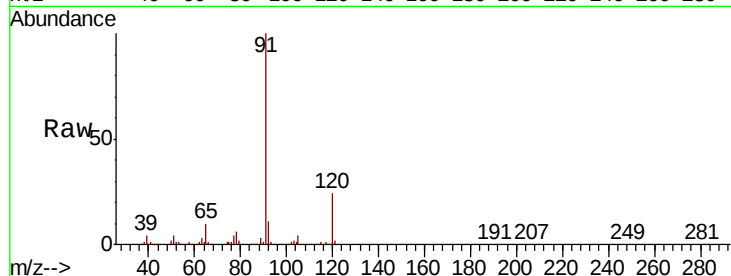
ClientSampled :

Tot Ion:120 Resp: 132893

Ion Ratio Lower Upper

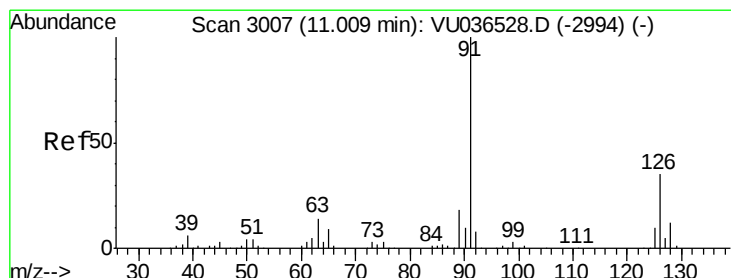
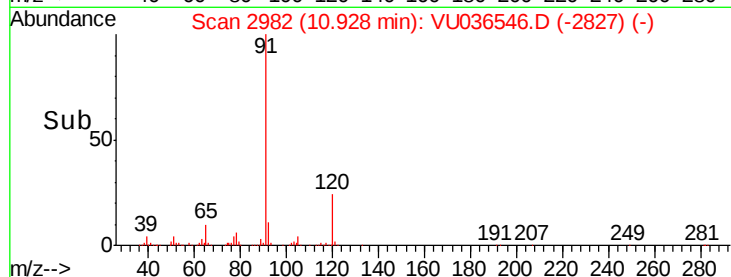
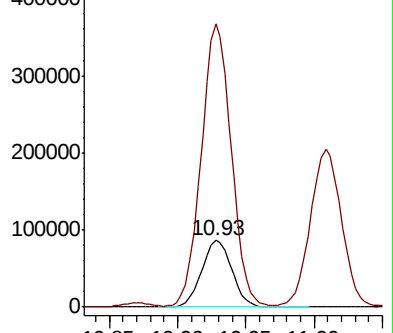
120 100

91 417.8 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 9.790 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036546.D

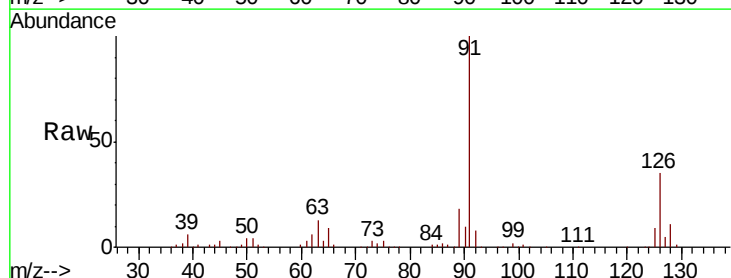
Acq: 23 Jan 2020 18:23

Tgt Ion:126 Resp: 111782

Ion Ratio Lower Upper

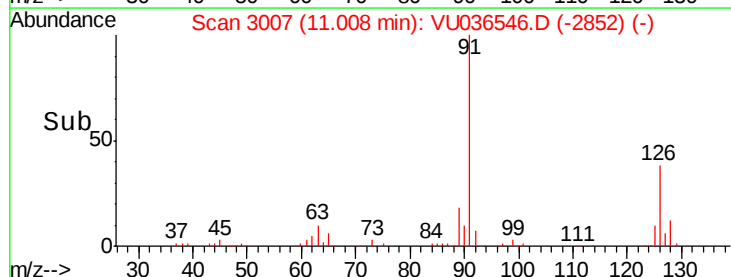
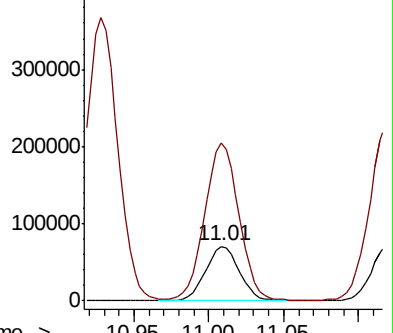
126 100

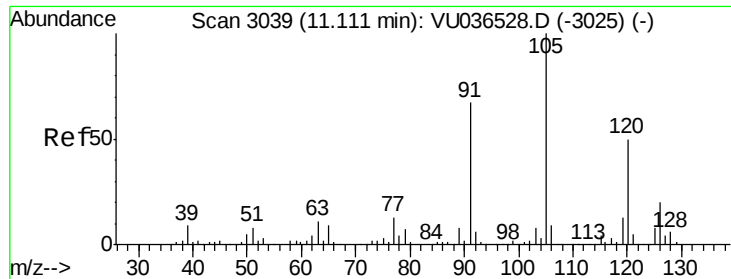
91 288.6 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 9.877 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

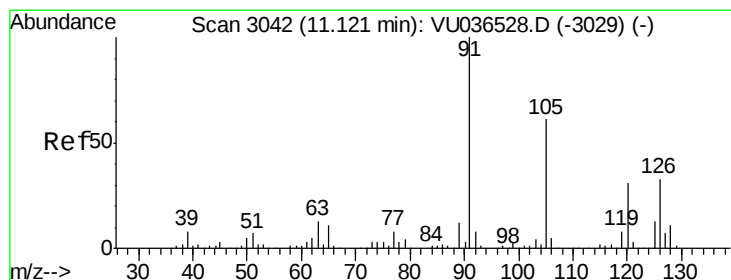
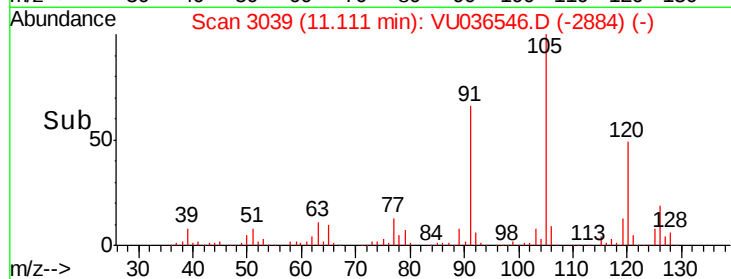
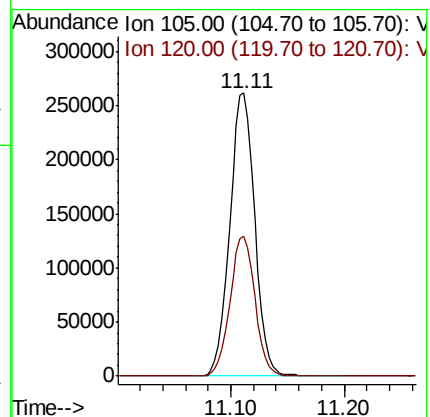
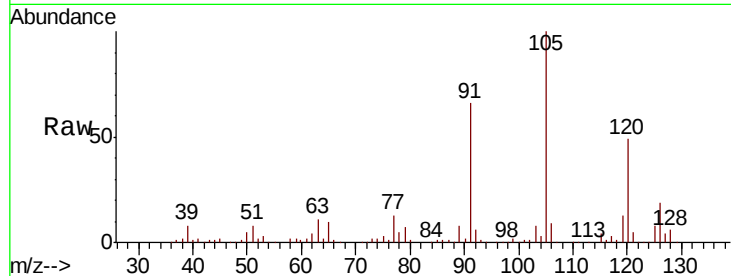
ClientSampleId :

Tot Ion:105 Resp: 401347

Ion Ratio Lower Upper

105 100

120 49.4 39.8 59.8



#76

4-Chlorotoluene

Concen: 9.759 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036546.D

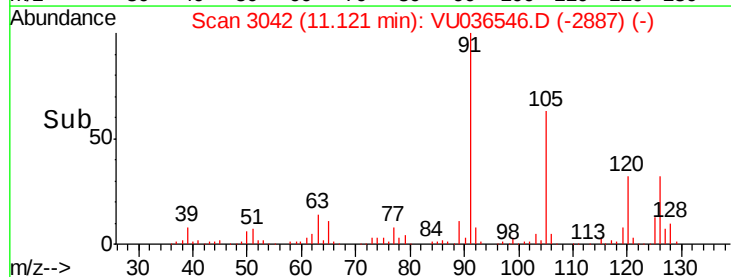
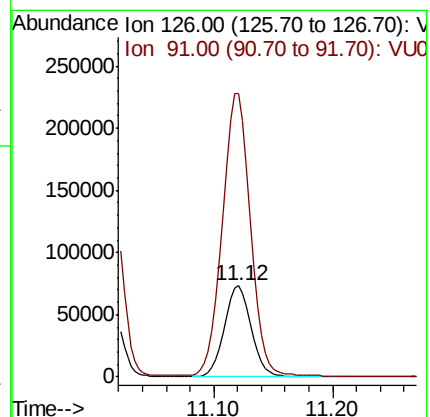
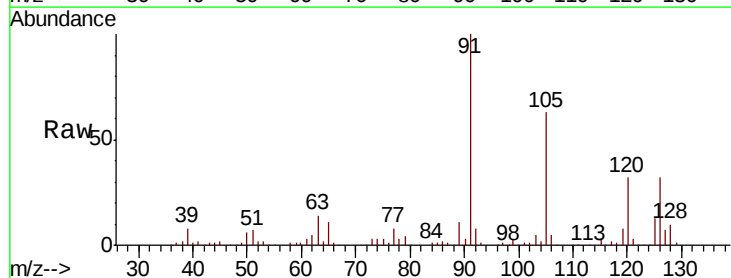
Acq: 23 Jan 2020 18:23

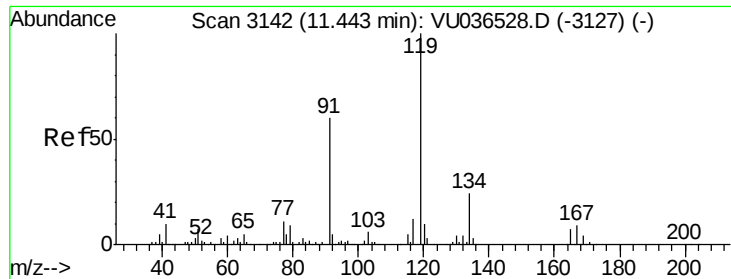
Tgt Ion:126 Resp: 115136

Ion Ratio Lower Upper

126 100

91 326.3 0.0 633.0

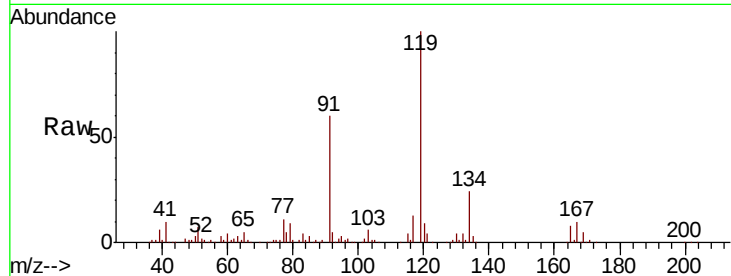




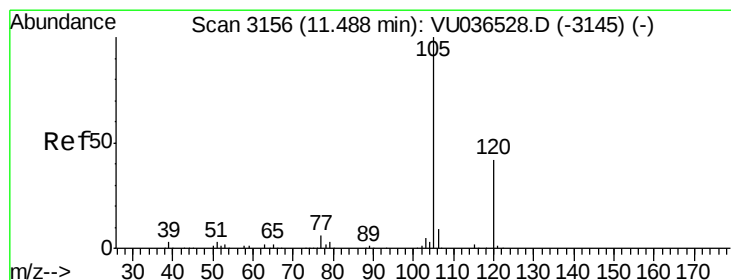
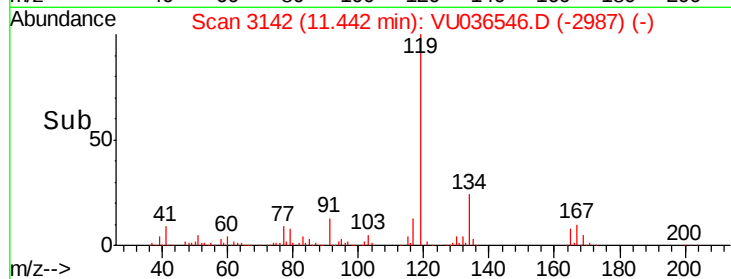
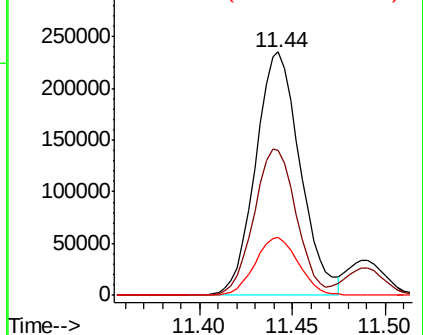
#77
tert-Butylbenzene
Concen: 10.197 ug/l
RT: 11.44 min Scan# 3142
Delta R.T. -0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:119 Resp: 392653
Ion Ratio Lower Upper
119 100
91 57.0 29.3 87.8
134 23.2 19.0 28.4

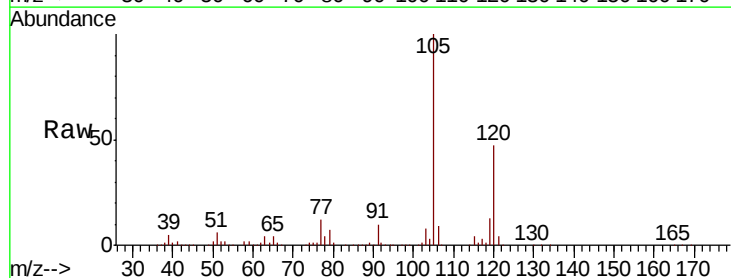


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

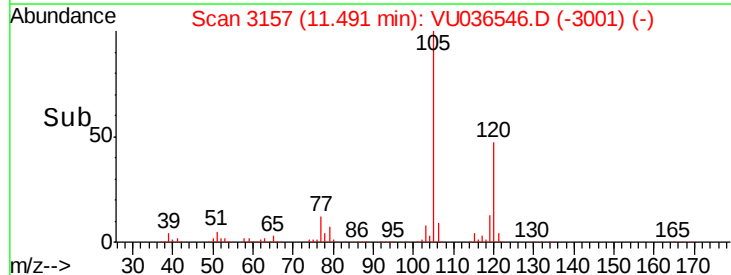
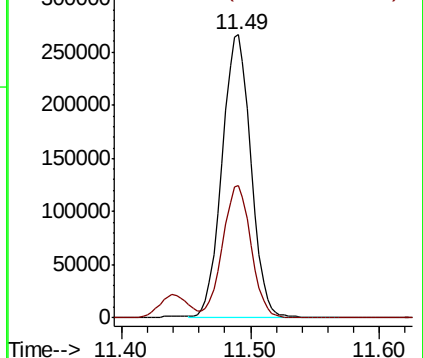


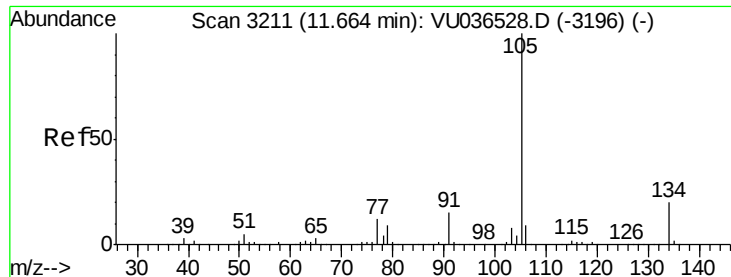
#78
1,2,4-Trimethylbenzene
Concen: 9.888 ug/l
RT: 11.49 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU036546.D
Acq: 23 Jan 2020 18:23

Tgt Ion:105 Resp: 414296
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.8



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





#79

sec-Butylbenzene

Concen: 9.879 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

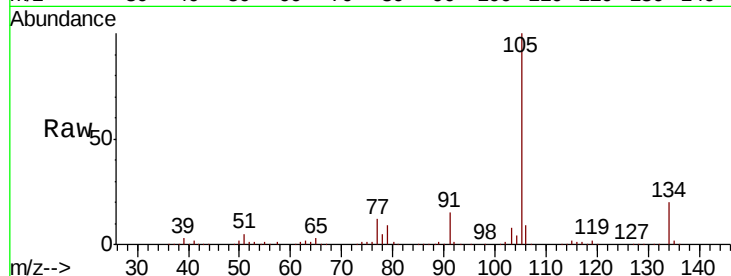
ClientSampleId :

Tot Ion:105 Resp: 527731

Ion Ratio Lower Upper

105 100

134 19.9 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.66

400000

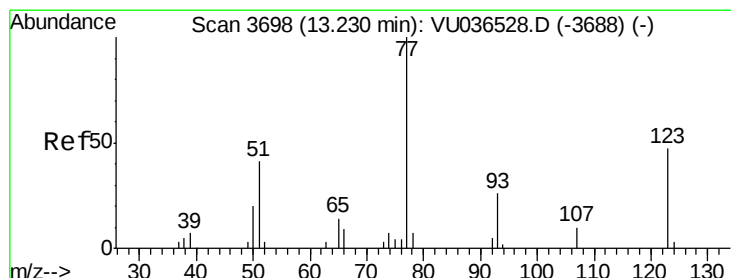
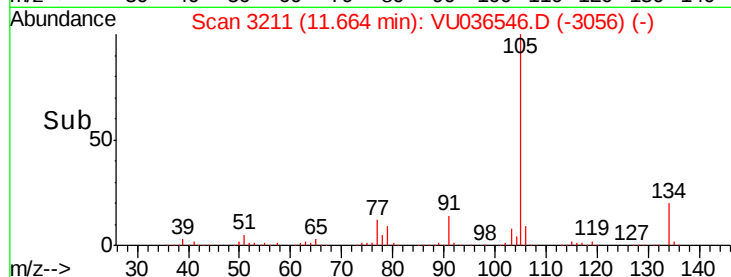
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 49.338 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

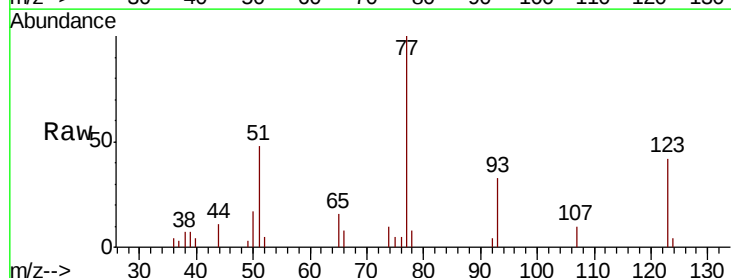
Tgt Ion: 77 Resp: 6567

Ion Ratio Lower Upper

77 100

123 39.3 19.6 69.6

65 15.7 12.7 16.1



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

13.23

4000

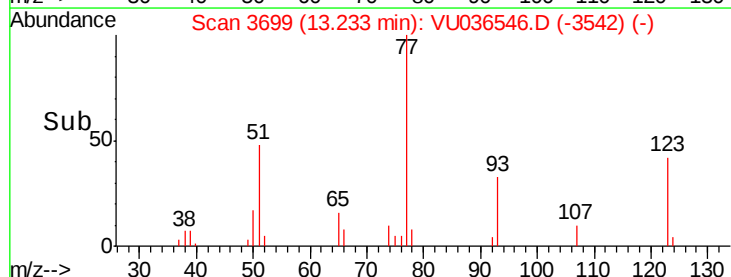
3000

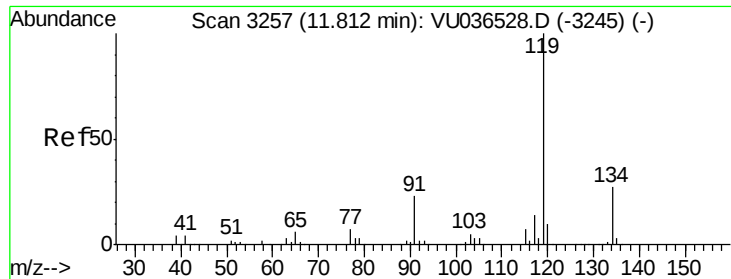
2000

1000

0

Time-->

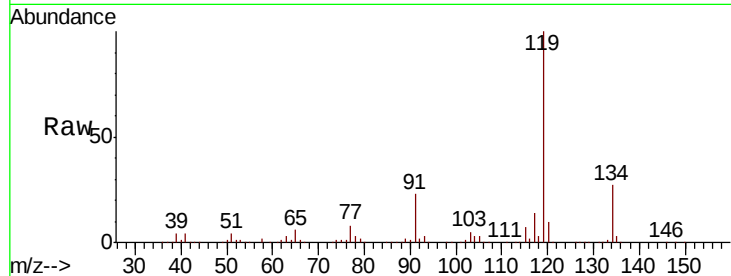




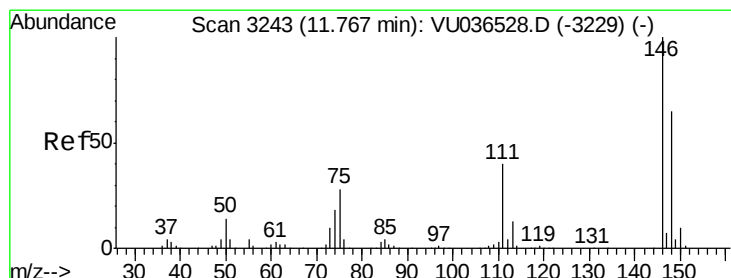
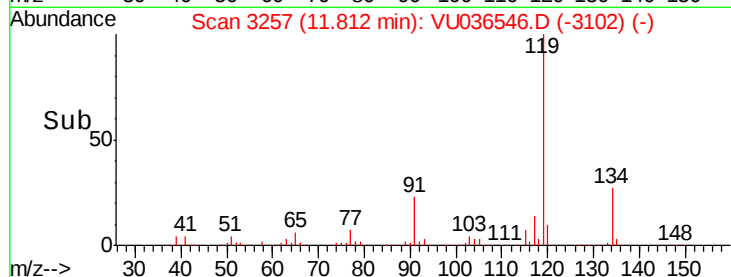
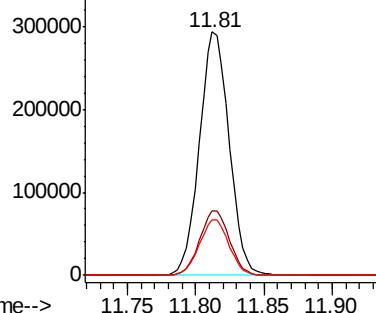
#81
 p-Isopropyltoluene
 Concen: 9.960 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 444736
 Ion Ratio Lower Upper
 119 100
 134 26.4 21.4 32.0
 91 22.9 18.3 27.5

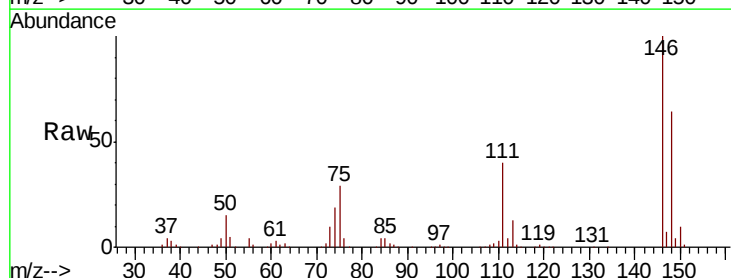


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

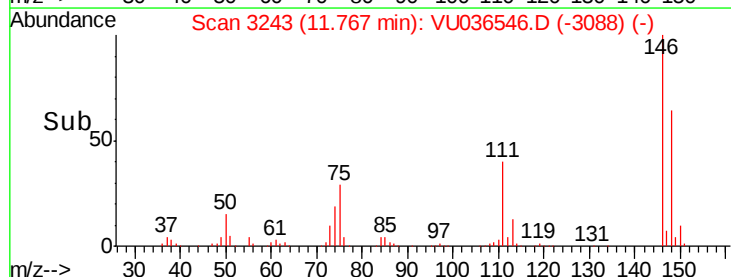
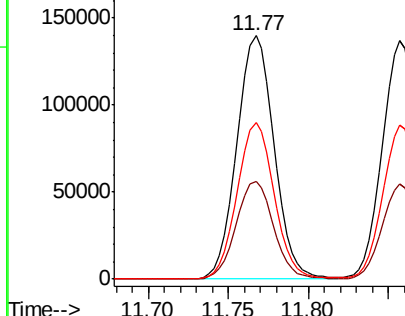


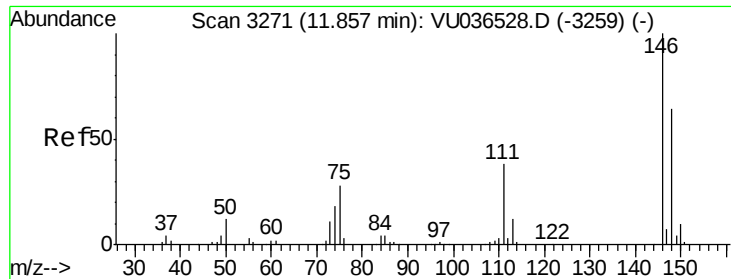
#82
 1,3-Dichlorobenzene
 Concen: 9.718 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:146 Resp: 221934
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.2 48.2
 148 64.0 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

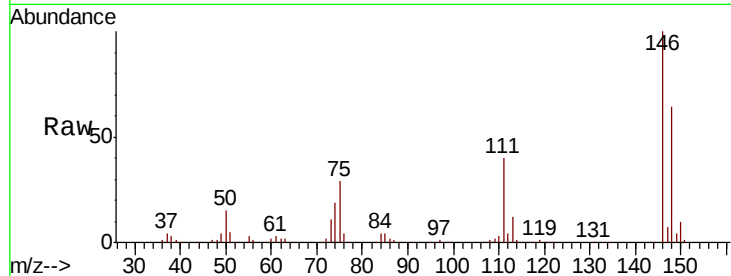




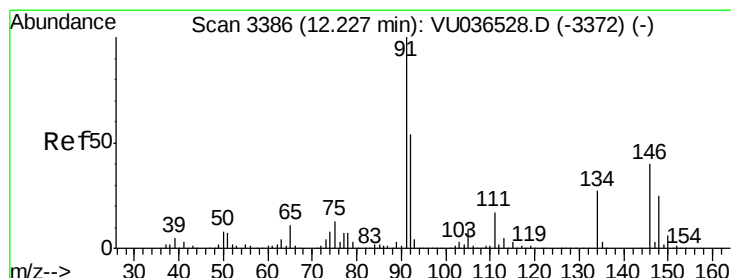
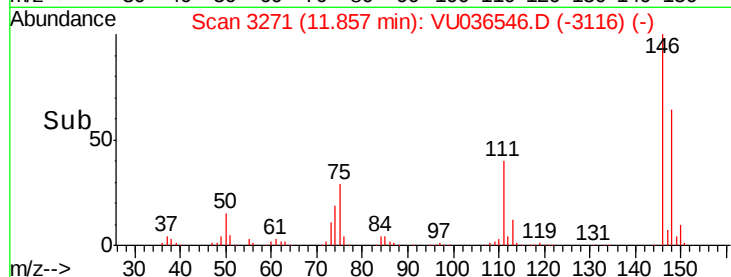
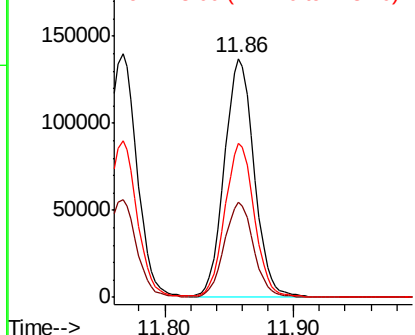
#83
 1,4-Dichlorobenzene
 Concen: 9.646 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 220172
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.5 45.7
 148 64.0 51.0 76.4

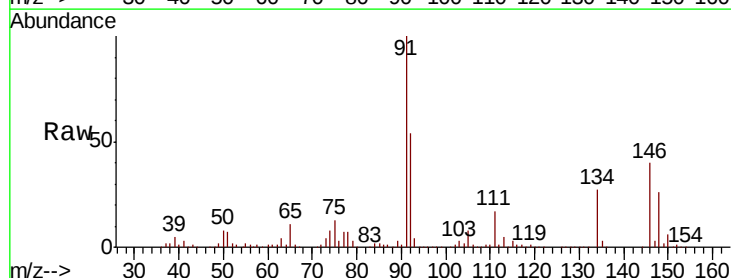


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

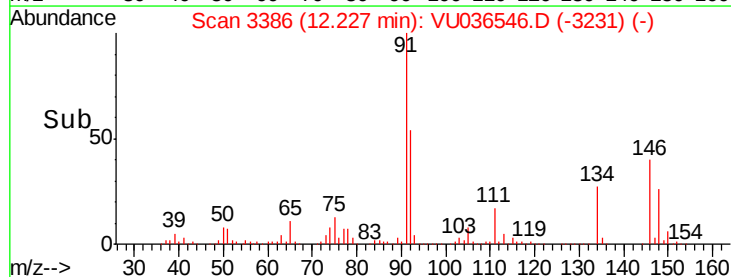
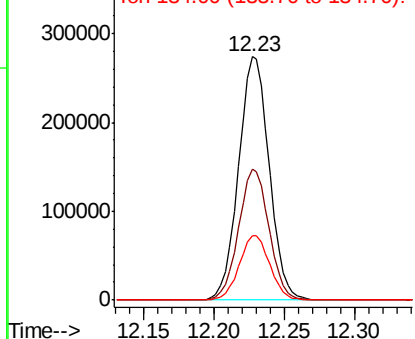


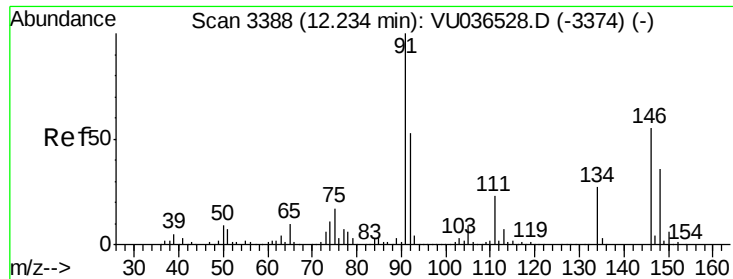
#84
 n-Butylbenzene
 Concen: 10.079 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion: 91 Resp: 416182
 Ion Ratio Lower Upper
 91 100
 92 53.5 42.9 64.3
 134 26.5 21.4 32.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 9.606 ug/l

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

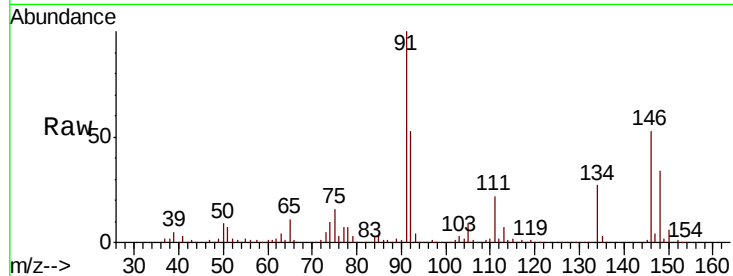
Tot Ion:146 Resp: 209922

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.4

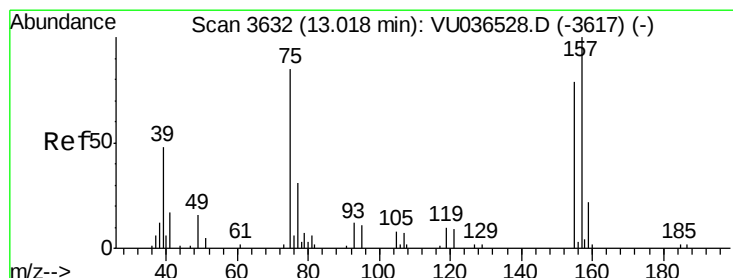
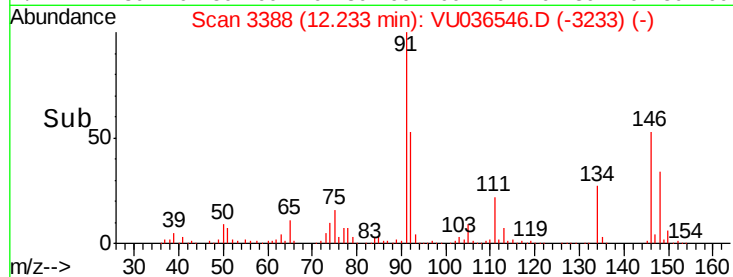
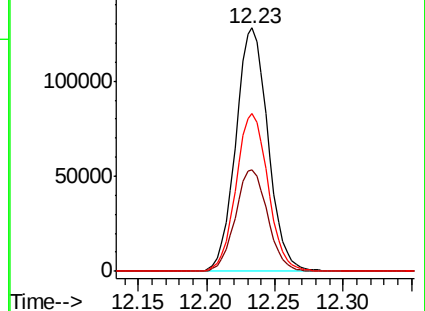
148 64.4 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 9.367 ug/l

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

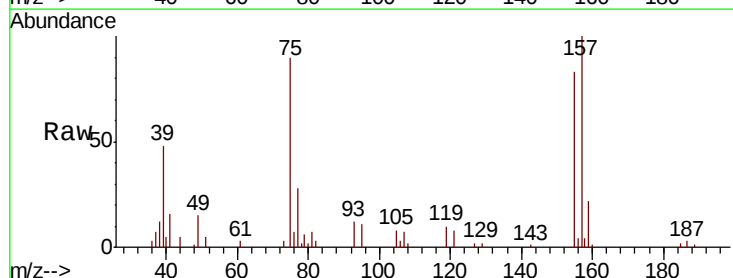
Tgt Ion: 75 Resp: 14707

Ion Ratio Lower Upper

75 100

155 91.6 71.8 107.8

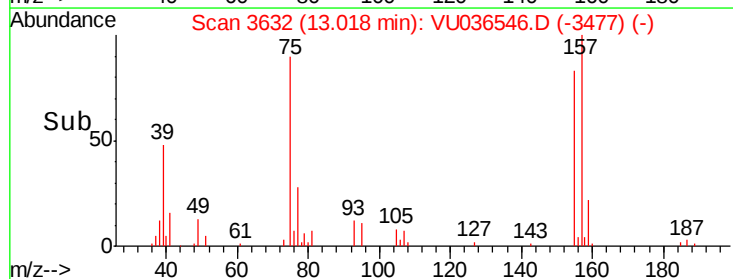
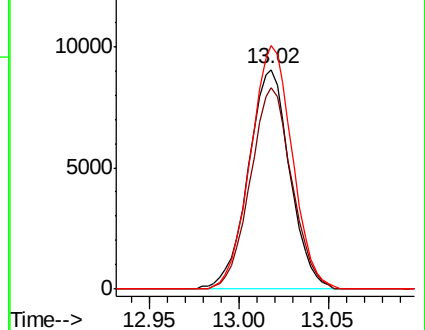
157 111.5 92.4 138.6

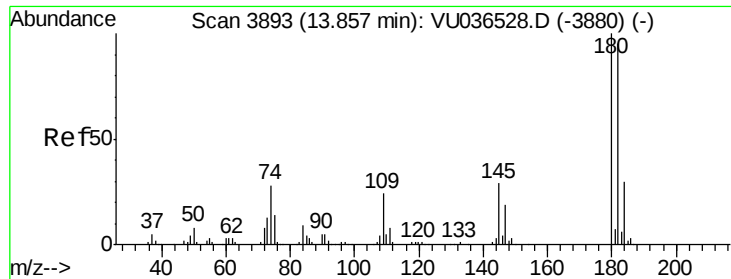


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

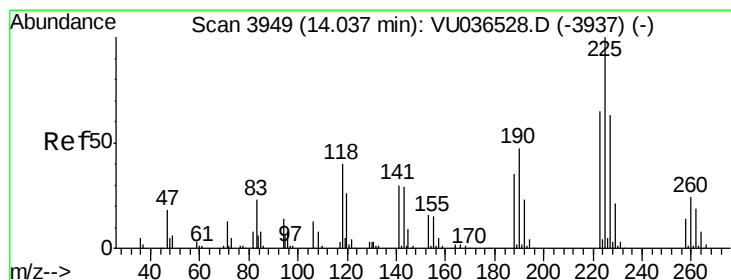
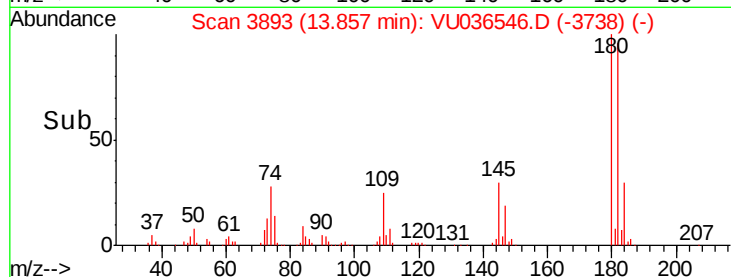
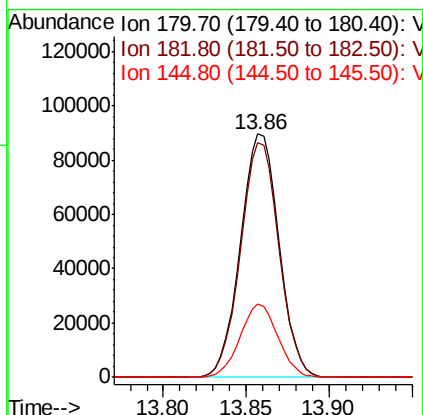
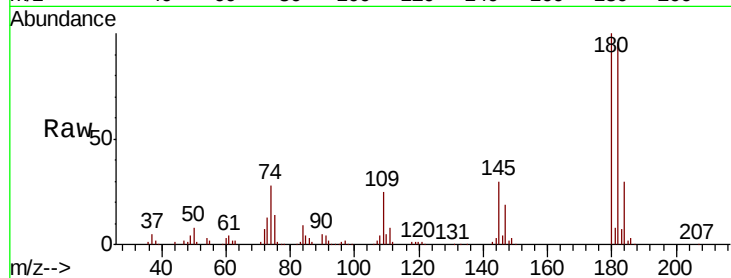




#87
 1,2,4-Trichlorobenzene
 Concen: 10.375 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

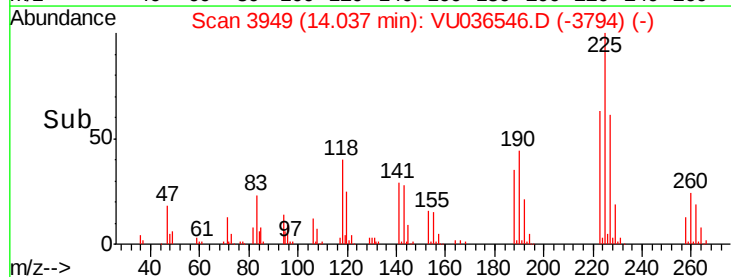
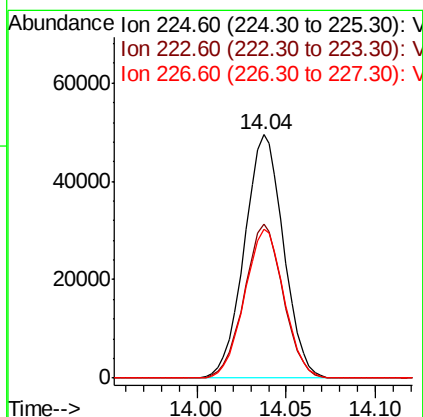
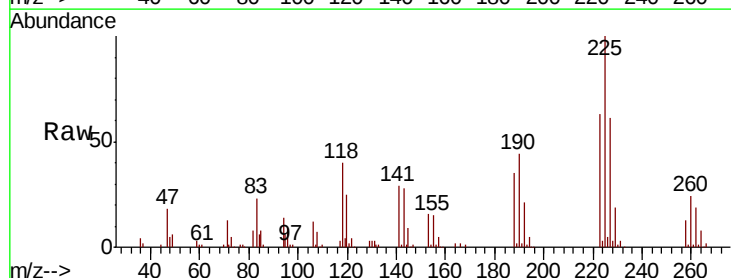
Instrument :
 MSVOA_U
 ClientSampleID :

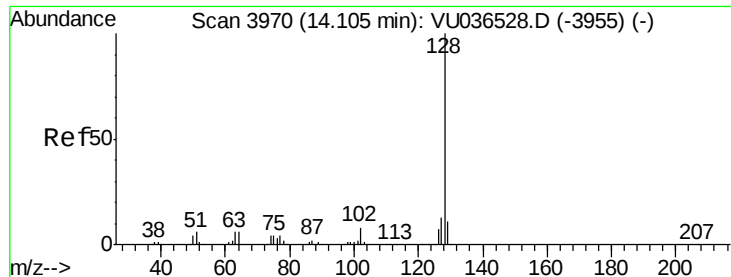
Tot Ion:180 Resp: 145028
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.9 113.9
 145 29.6 23.4 35.2



#88
 Hexachlorobutadiene
 Concen: 9.926 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036546.D
 Acq: 23 Jan 2020 18:23

Tgt Ion:225 Resp: 76046
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.7 77.5
 227 61.6 50.6 75.8





#89

Naphthalene

Concen: 10.472 ug/l

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

Instrument :

MSVOA_U

ClientSampleId :

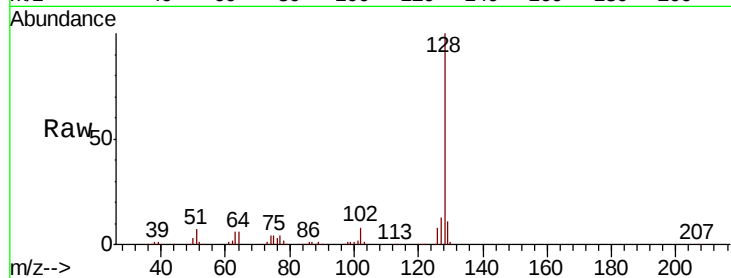
Tot Ion:128 Resp: 252200

Ion Ratio Lower Upper

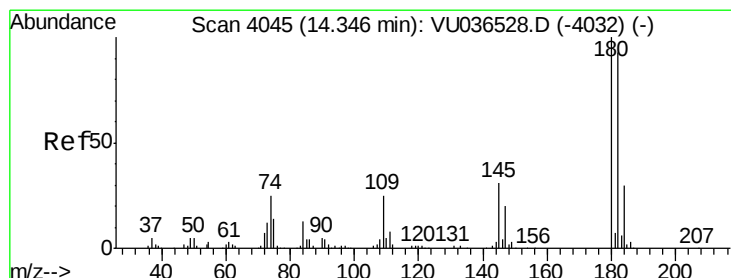
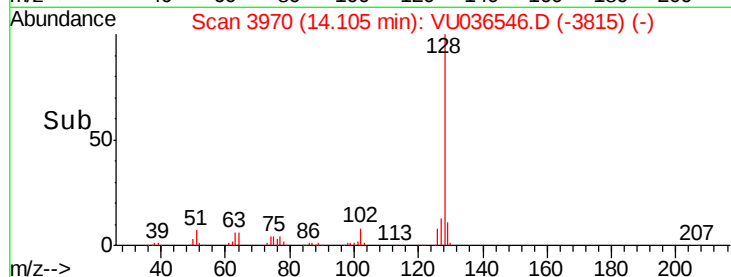
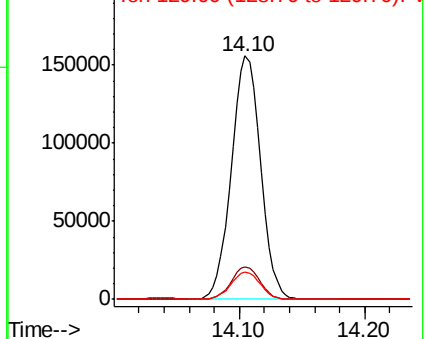
128 100

127 13.1 10.5 15.7

129 11.1 8.7 13.1



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



#90

1,2,3-Trichlorobenzene

Concen: 10.062 ug/l

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036546.D

Acq: 23 Jan 2020 18:23

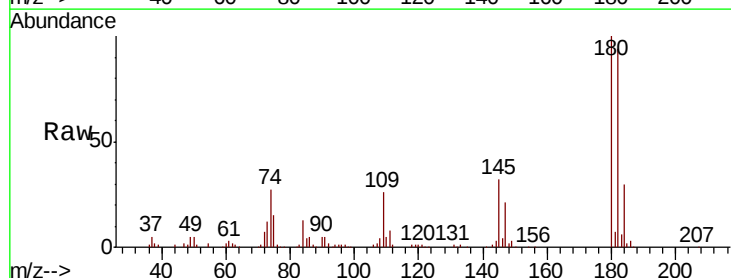
Tgt Ion:180 Resp: 132285

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.4

145 32.2 25.2 37.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

