

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102919\
 Data File : VU035537.D
 Acq On : 29 Oct 2019 12:28
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:12:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:08:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.16	96	71491	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	25469	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	26657	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	58303	2.218	ug/l 100
3) Chloromethane	1.54	50	71157	2.425	ug/l 98
4) Vinyl Chloride	1.62	62	61749	2.166	ug/l 100
5) Bromomethane	1.88	94	30851	1.894	ug/l 99
6) Chloroethane	1.95	64	37230	2.259	ug/l 97
7) Trichlorofluoromethane	2.16	101	77348	2.208	ug/l 99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	42177	2.229	ug/l 98
9) 1,1-Dichloroethene	2.61	96	40382	2.130	ug/l 94
10) Iodomethane	2.75	142	15753	0.958	ug/l 99
11) Allyl Chloride	2.96	41	67235	2.150	ug/l 99
12) Acrylonitrile	3.37	53	19496	4.770	ug/l 98
13) Acetone	2.67	43	47870	13.887	ug/l 100
14) Carbon Disulfide	2.83	76	142947	2.146	ug/l 99
15) Methylene Chloride	3.08	84	52495	2.349	ug/l 94
16) trans-1,2-Dichloroethene	3.39	96	44636	2.108	ug/l 97
17) 1,1-Dichloroethane	3.92	63	85144	2.116	ug/l 97
18) 2-Butanone	4.79	43	59231	12.184	ug/l 97
19) Cyclohexane	5.43	56	57319	1.851	ug/l 98
20) Methylcyclohexane	6.80	83	65020	1.989	ug/l 97
21) 2,2-Dichloropropane	4.72	77	71402	2.150	ug/l 98
22) cis-1,2-Dichloroethene	4.72	96	45864	1.999	ug/l 93
23) Diethyl Ether	2.41	59	32601	2.258	ug/l 98
24) tert-Butyl Alcohol	3.26	59	41385	20.846	ug/l 98
25) Methyl tert-Butyl Ether	3.43	73	107249	2.321	ug/l 98
26) Bromochloromethane	5.03	128	21197	2.177	ug/l 98
27) Chloroform	5.14	83	87231	2.075	ug/l 98
28) 1,1,1-Trichloroethane	5.36	97	70309	2.136	ug/l 98
29) 1,1-Dichloropropene	5.57	75	57829	2.040	ug/l 99
30) Carbon Tetrachloride	5.57	117	63594	2.157	ug/l 98
31) Isopropyl Ether	4.07	45	111234	1.927	ug/l 94
32) Ethyl-t-butyl ether	4.58	59	103277	2.063	ug/l 100
33) Tert-Amyl methyl ether	6.01	73	90293	2.144	ug/l 99
34) Propionitrile	4.85	54	19526	14.041	ug/l # 94
35) Benzene	5.82	78	180482	2.121	ug/l 98
36) 1,2-Dichloroethane	5.84	62	53259	2.404	ug/l 98
37) Trichloroethene	6.58	130	50000	2.104	ug/l 100
38) 1,2-Dichloropropane	6.83	63	50227	2.217	ug/l 99
39) Methacrylonitrile	5.04	41	13263	2.308	ug/l 97
40) Methyl acrylate	4.92	55	19895	2.268	ug/l 98
41) Tetrahydrofuran	5.14	42	12780	4.349	ug/l # 42
42) 1-Chlorobutane	5.50	56	77802	2.022	ug/l 95

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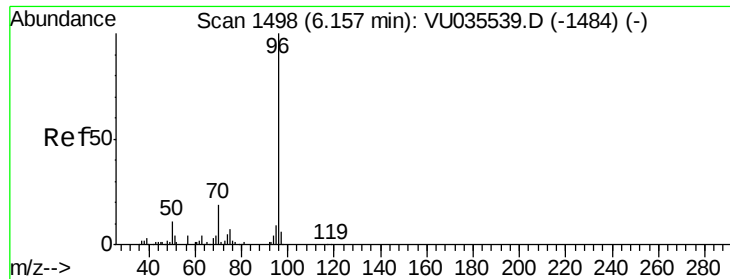
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 05:12:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:08:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.96	93	24558	2.264	ug/l	98
44) Bromodichloromethane	7.15	83	61893	2.247	ug/l	99
45) 4-Methyl-2-Pentanone	7.84	43	123327	11.140	ug/l	98
46) t-1,4-Dichloro-2-butene	10.85	75	44843	9.731	ug/l #	62
47) Methyl methacrylate	7.01	69	38541	4.451	ug/l	96
48) Ethyl methacrylate	8.38	69	32930	2.107	ug/l	98
49) Toluene	8.01	92	102552	2.068	ug/l	98
50) t-1,3-Dichloropropene	8.25	75	51947	2.245	ug/l	100
51) cis-1,3-Dichloropropene	7.65	75	62276	2.174	ug/l	99
52) 1,1,2-Trichloroethane	8.44	97	35145	2.339	ug/l	96
53) 1,3-Dichloropropane	8.61	76	58007	2.302	ug/l	100
54) 2-Hexanone	8.74	43	84560	11.326	ug/l	97
55) Dibromochloromethane	8.84	129	42481	2.324	ug/l	96
56) 1,2-Dibromoethane	8.96	107	32373	2.332	ug/l	95
58) Tetrachloroethene	8.58	164	45725	2.033	ug/l	98
59) Chlorobenzene	9.48	112	117880	2.117	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.57	131	45533	2.201	ug/l	99
61) Pentachloroethane	11.46	117	37417	2.224	ug/l	96
62) Hexachloroethane	12.50	117	33381	2.223	ug/l	98
63) Ethyl Benzene	9.60	91	172775	1.946	ug/l	98
64) m/p-Xylenes	9.73	106	139175	3.883	ug/l #	1
65) o-Xylene	10.13	106	67963	1.989	ug/l	98
66) Styrene	10.15	104	109383	1.910	ug/l	99
67) Bromoform	10.32	173	25863	2.374	ug/l	99
69) Isopropylbenzene	10.51	105	173916	1.949	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	46534	2.394	ug/l #	66
71) 1,2,3-Trichloropropane	10.85	75	44843	3.308	ug/l	79
72) Bromobenzene	10.81	156	50446	2.074	ug/l	97
73) n-propylbenzene	10.93	120	47212	1.835	ug/l	96
74) 2-Chlorotoluene	11.01	126	47892	2.059	ug/l	100
75) 1,3,5-Trimethylbenzene	11.11	105	144761	1.830	ug/l	99
76) 4-Chlorotoluene	11.13	126	48264	2.034	ug/l	99
77) tert-Butylbenzene	11.45	119	150245	1.944	ug/l	99
78) 1,2,4-Trimethylbenzene	11.49	105	144786	1.812	ug/l	100
79) sec-Butylbenzene	11.67	105	190414	1.839	ug/l	99
80) Nitrobenzene	13.24	77	2958	7.443	ug/l #	91
81) p-Isopropyltoluene	11.82	119	149918	1.748	ug/l #	67
82) 1,3-Dichlorobenzene	11.77	146	97047	1.940	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	91941	1.851	ug/l	99
84) n-Butylbenzene	12.23	91	117067	1.498	ug/l	99
85) 1,2-Dichlorobenzene	12.24	146	89650	1.965	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	13.02	75	5568	2.174	ug/l	98
87) 1,2,4-Trichlorobenzene	13.87	180	29771	1.198	ug/l	99
88) Hexachlorobutadiene	14.04	225	34845	1.795	ug/l	94
89) Naphthalene	14.11	128	33733	1.038	ug/l	98
90) 1,2,3-Trichlorobenzene	14.36	180	30732	1.329	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 96 Resp: 71491

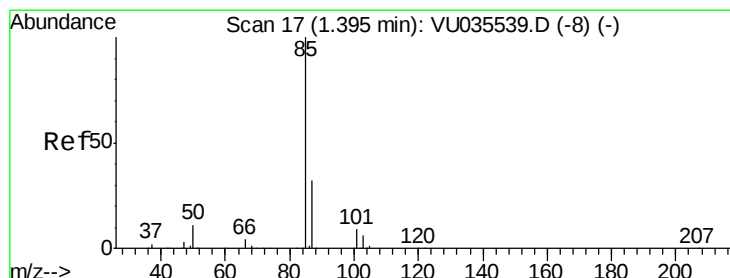
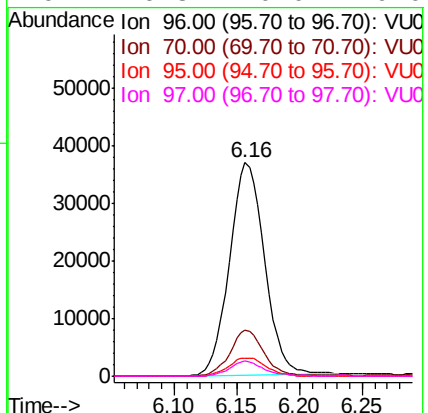
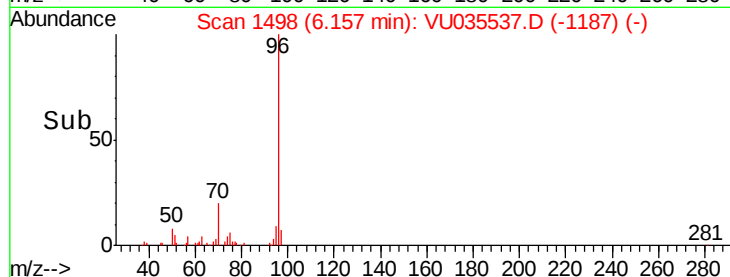
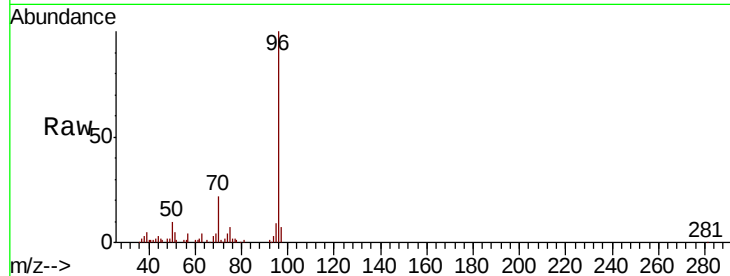
Ion Ratio Lower Upper

96 100

70 20.5 15.8 23.8

95 9.2 7.4 11.2

97 6.8 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.218 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035537.D

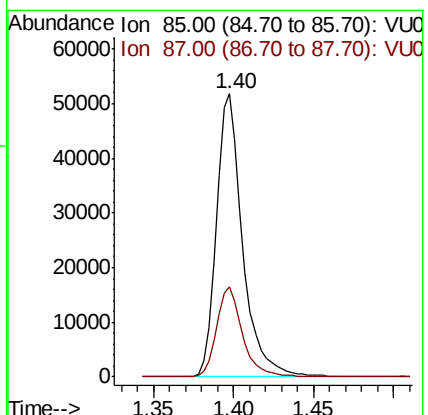
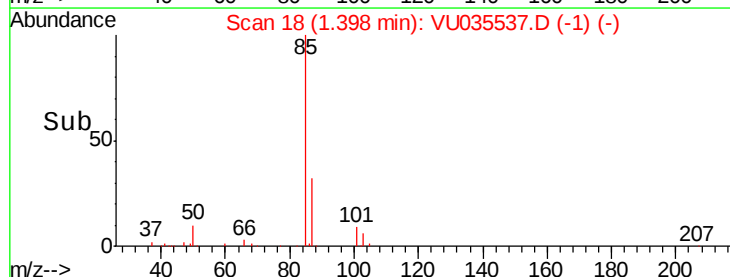
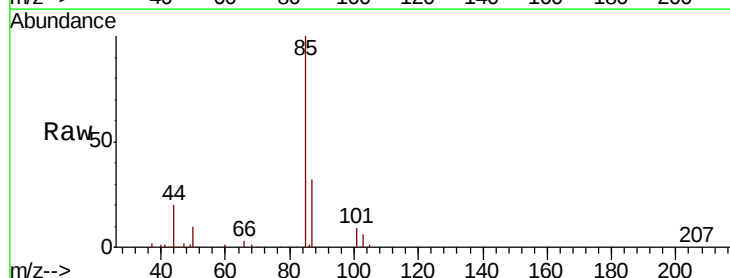
Acq: 29 Oct 2019 12:28

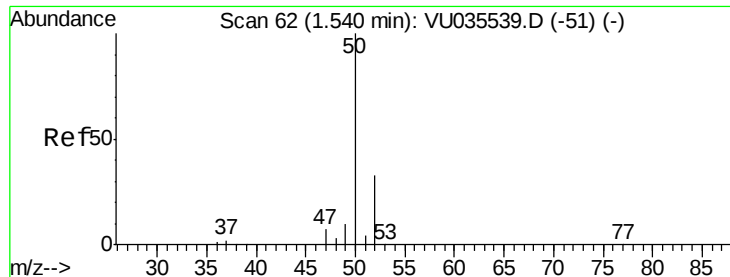
Tgt Ion: 85 Resp: 58303

Ion Ratio Lower Upper

85 100

87 31.7 15.8 47.4





#3

Chloromethane

Concen: 2.425 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

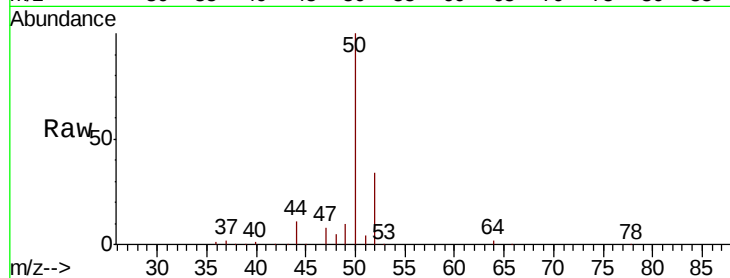
ClientSampleId :

Tot Ion: 50 Resp: 71157

Ion Ratio Lower Upper

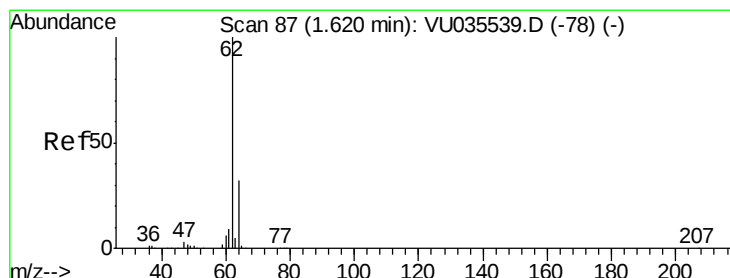
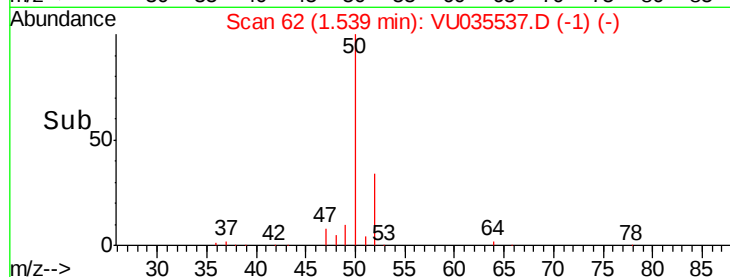
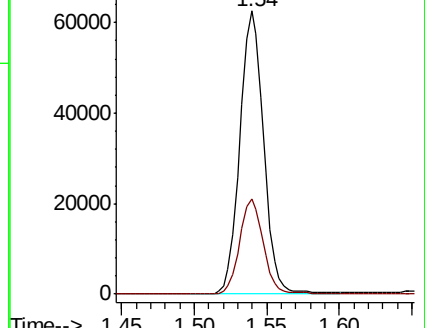
50 100

52 33.6 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU035537.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035537.D (-51) (-)



#4

Vinyl Chloride

Concen: 2.166 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035537.D

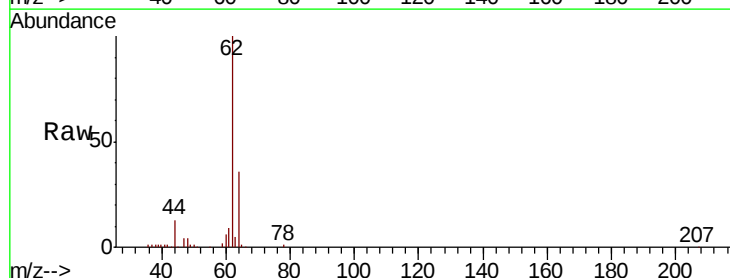
Acq: 29 Oct 2019 12:28

Tgt Ion: 62 Resp: 61749

Ion Ratio Lower Upper

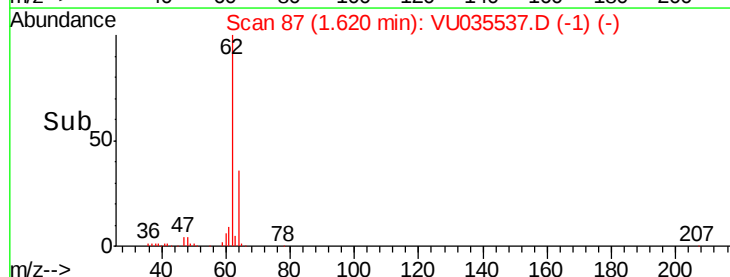
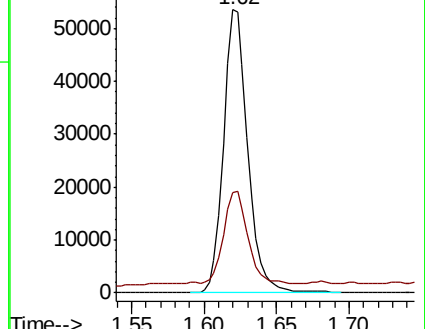
62 100

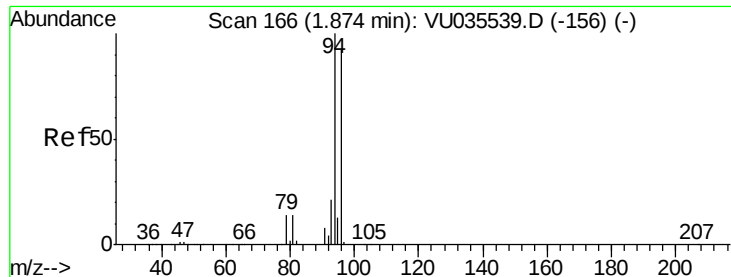
64 32.2 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU035537.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035537.D (-78) (-)





#5

Bromomethane

Concen: 1.894 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

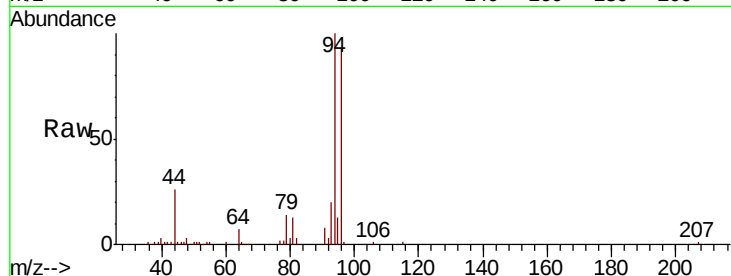
ClientSampled :

Tot Ion: 94 Resp: 30851

Ion Ratio Lower Upper

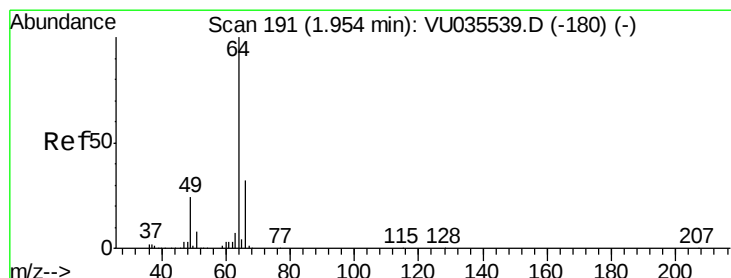
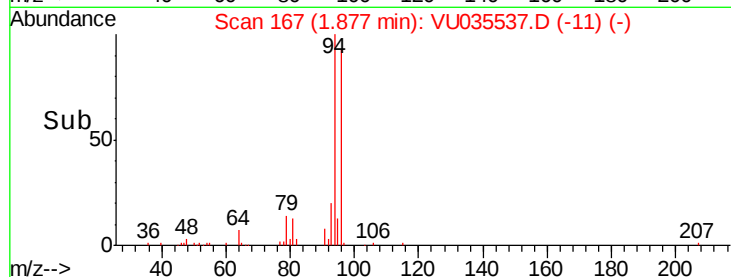
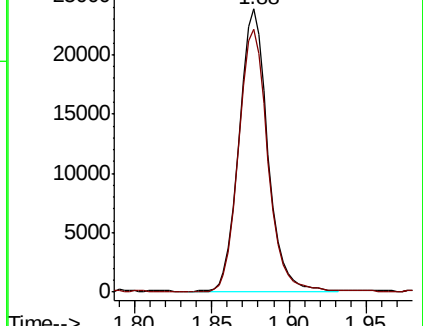
94 100

96 93.0 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VU035537.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035537.D (-156) (-)



#6

Chloroethane

Concen: 2.259 ug/l

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035537.D

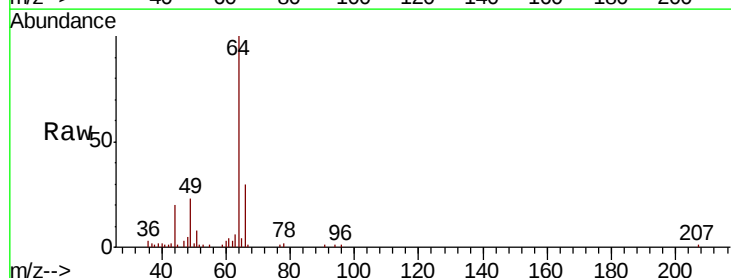
Acq: 29 Oct 2019 12:28

Tgt Ion: 64 Resp: 37230

Ion Ratio Lower Upper

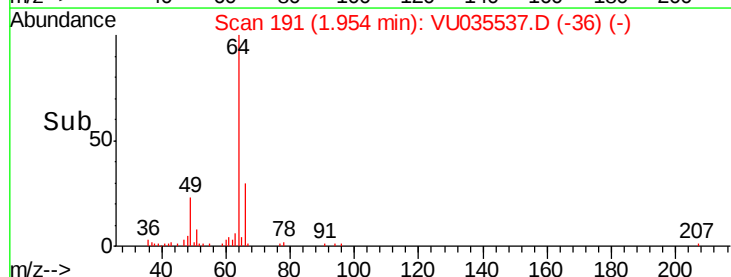
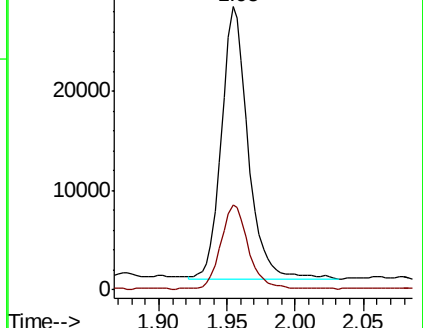
64 100

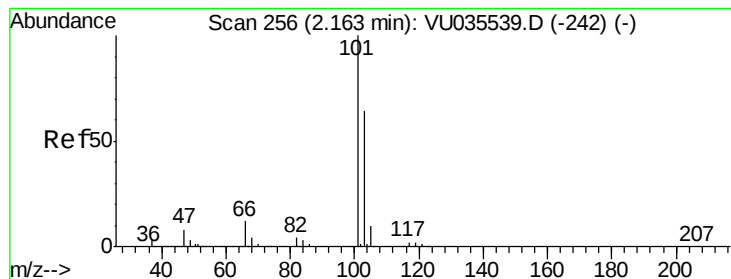
66 30.7 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VU035537.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU035537.D (-180) (-)



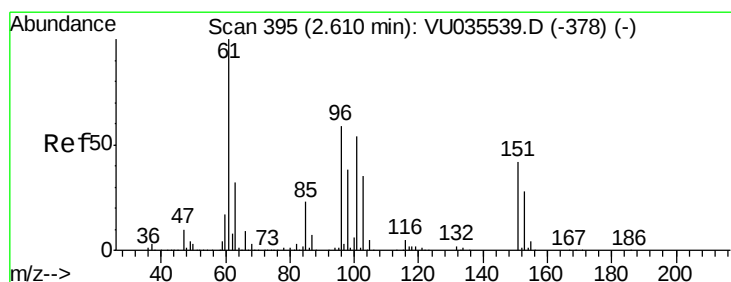
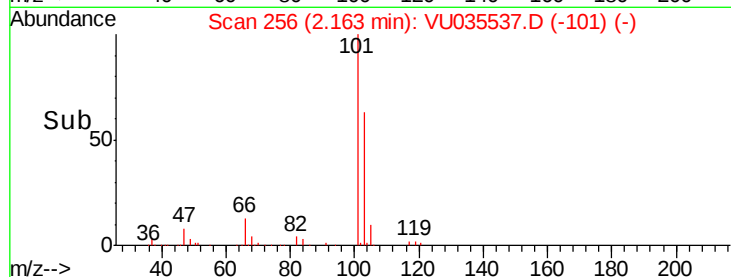
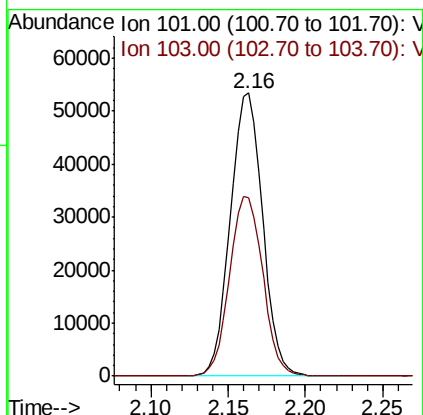
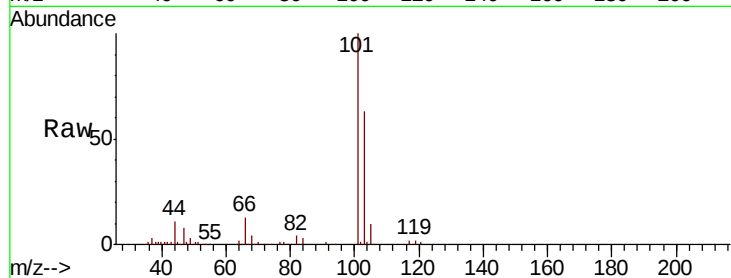


#7

Trichlorofluoromethane
 Concen: 2.208 ug/l
 RT: 2.16 min Scan# 256
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

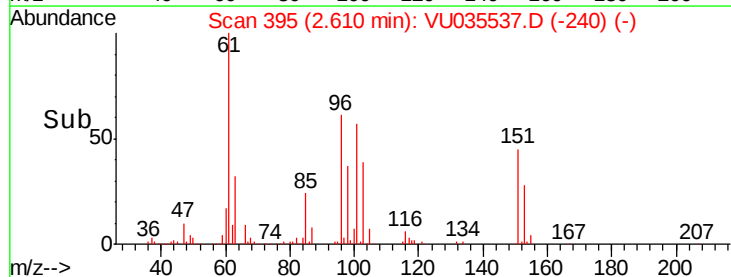
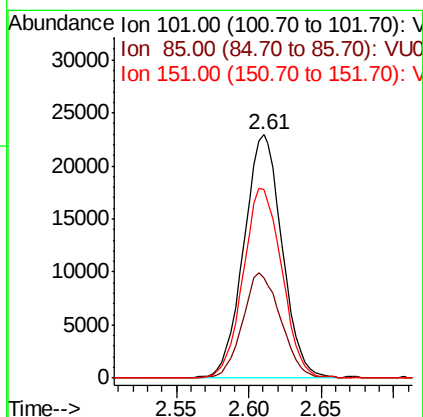
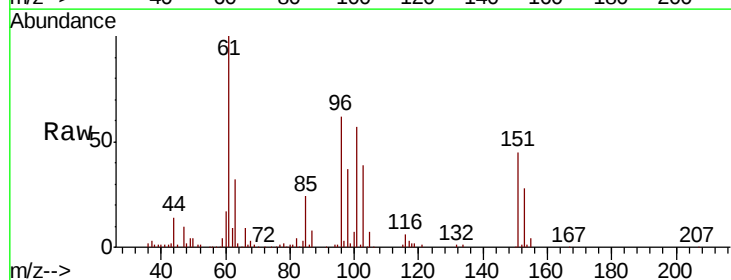
Tot Ion:101 Resp: 77348
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.0 76.6

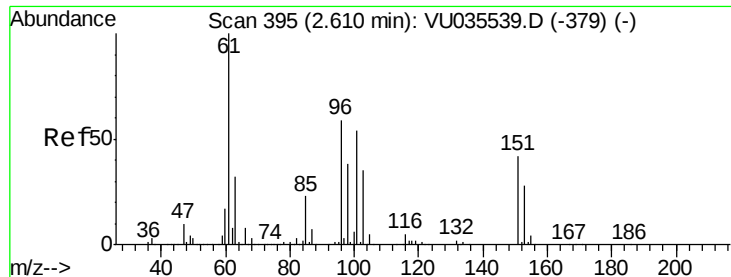


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.229 ug/l
 RT: 2.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion:101 Resp: 42177
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.8 53.6
 151 78.8 61.8 92.6





#9

1,1-Dichloroethene

Concen: 2.130 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :

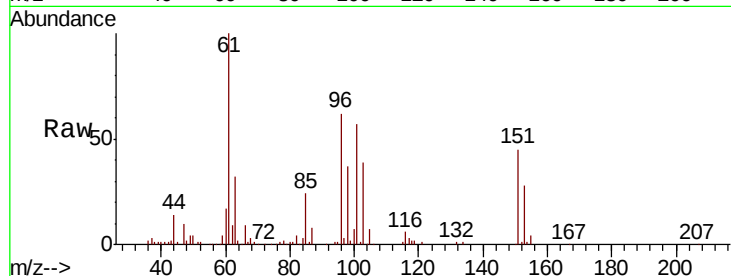
Tot Ion: 96 Resp: 40382

Ion Ratio Lower Upper

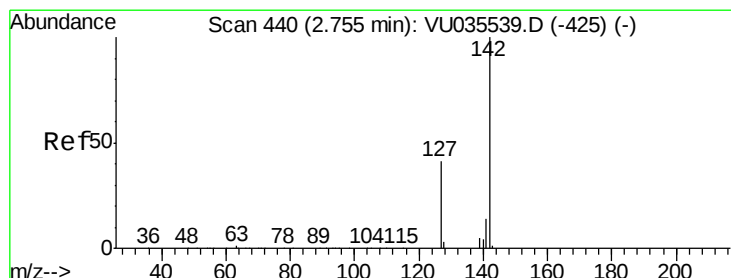
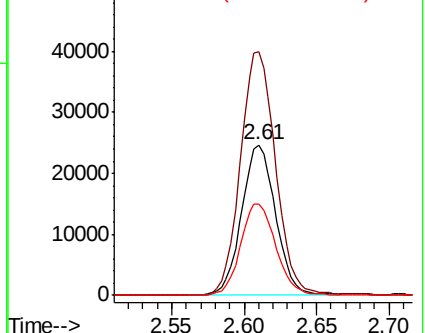
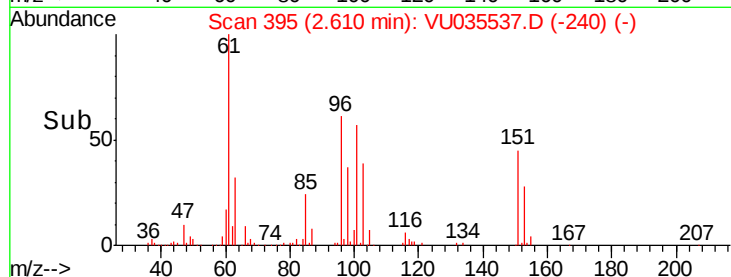
96 100

61 162.1 0.0 508.8

98 60.5 0.0 130.4



Abundance Ion 96.00 (95.70 to 96.70): VU035537.D (-240) (-)



#10

Iodomethane

Concen: 0.958 ug/l

RT: 2.75 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU035537.D

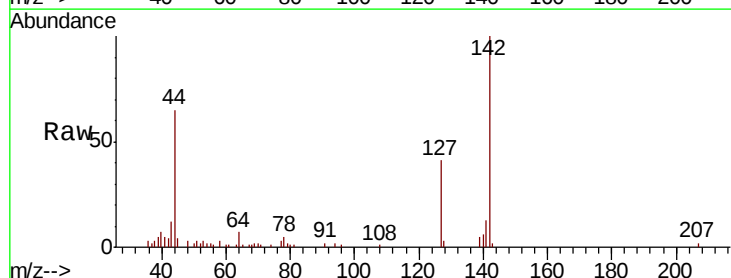
Acq: 29 Oct 2019 12:28

Tgt Ion: 142 Resp: 15753

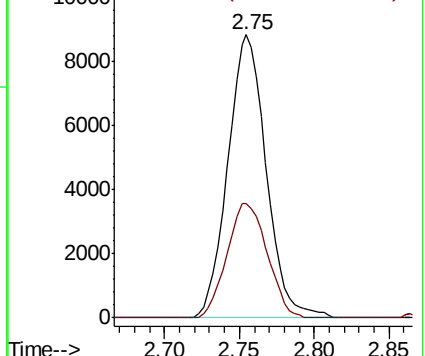
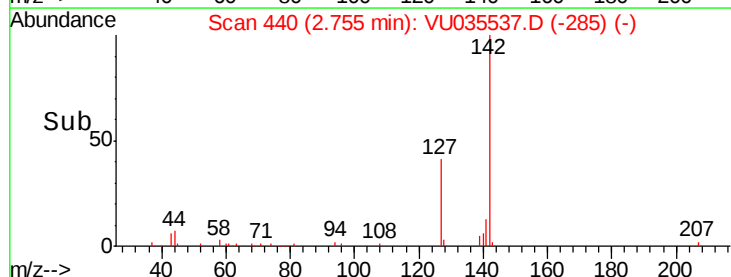
Ion Ratio Lower Upper

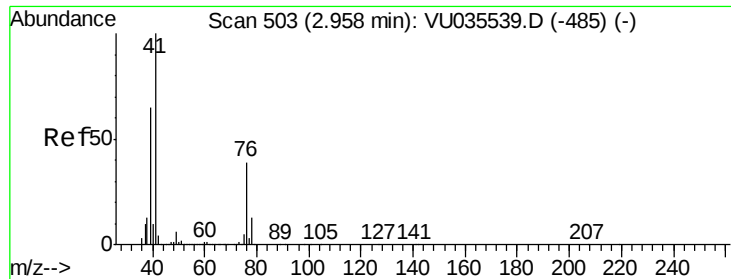
142 100

127 42.6 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): VU035537.D (-285) (-)

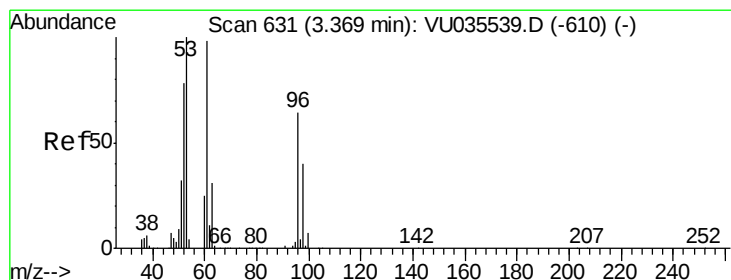
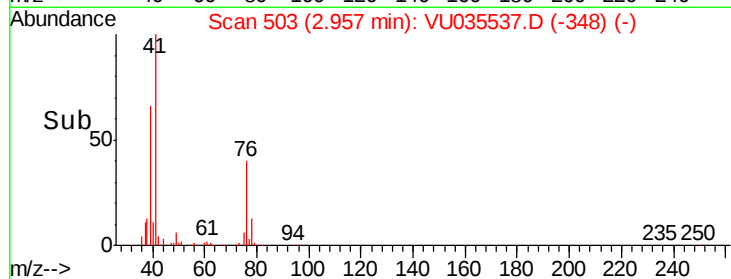
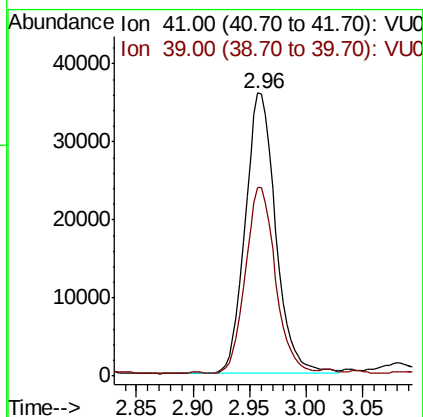
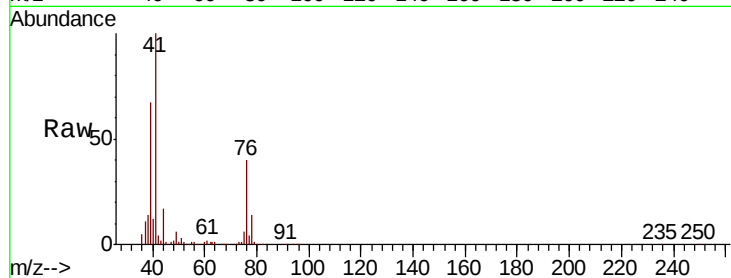




#11
Allvl Chloride
Concen: 2.150 ug/l
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

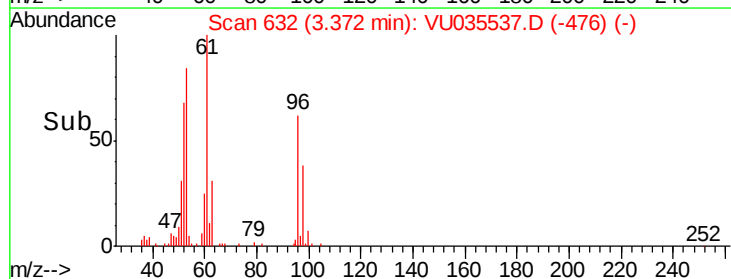
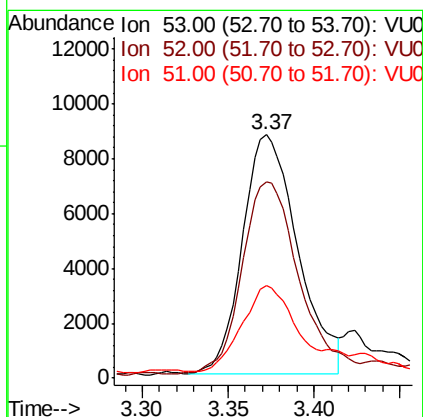
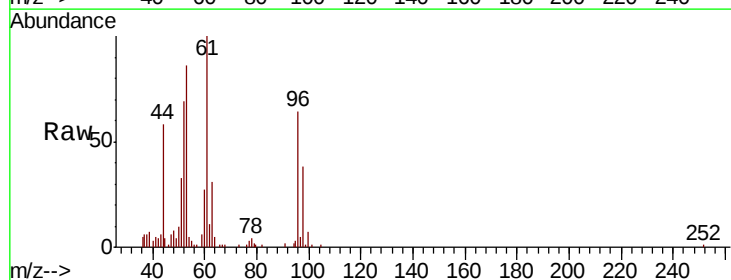
Instrument :
MSVOA_U
ClientSampleId :

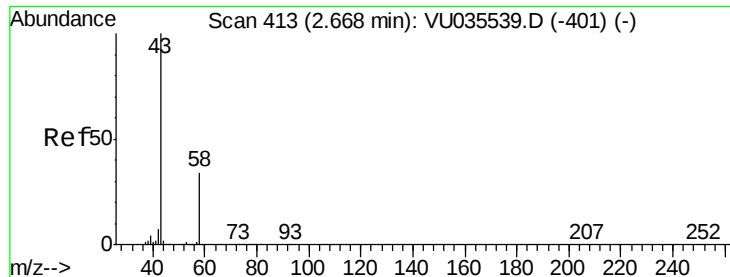
Tot Ion: 41 Resp: 67235
Ion Ratio Lower Upper
41 100
39 65.5 52.0 78.0



#12
Acrylonitrile
Concen: 4.770 ug/l
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 53 Resp: 19496
Ion Ratio Lower Upper
53 100
52 82.2 67.4 101.0
51 34.3 27.0 40.4





#13

Acetone

Concen: 13.887 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

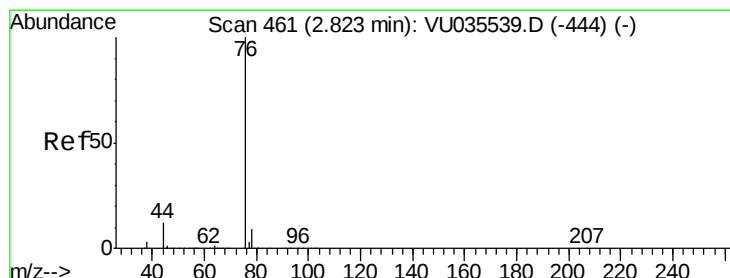
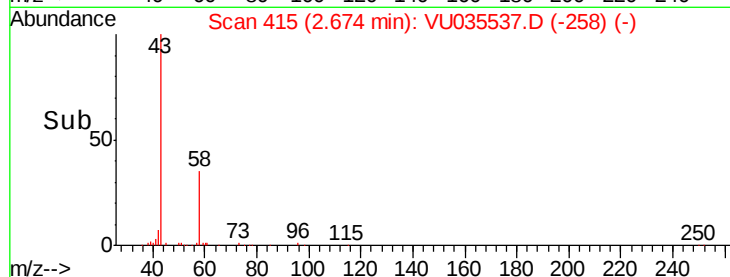
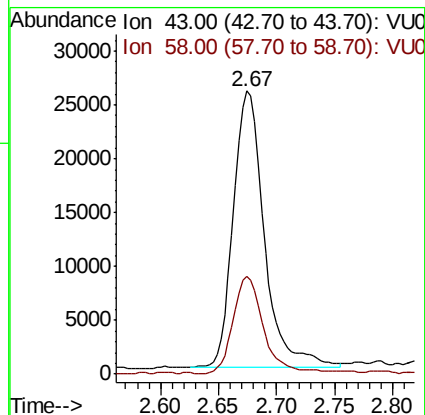
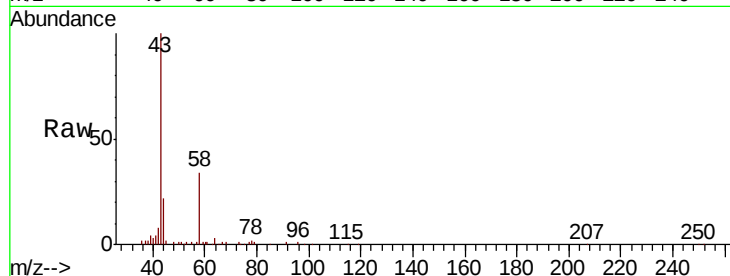
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 47870

Ion Ratio Lower Upper

43 100

58 34.7 27.6 41.4



#14

Carbon Disulfide

Concen: 2.146 ug/l

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035537.D

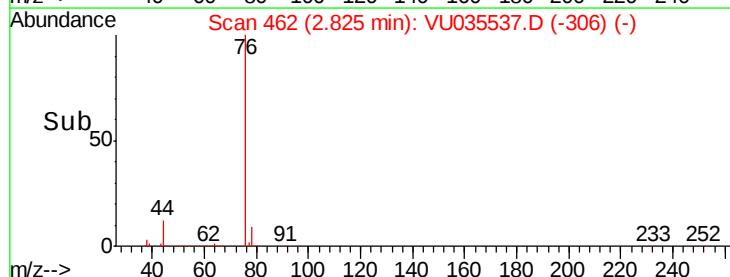
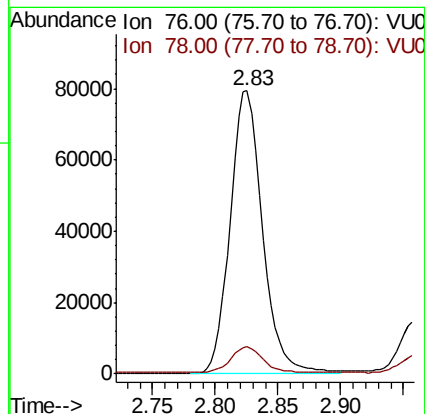
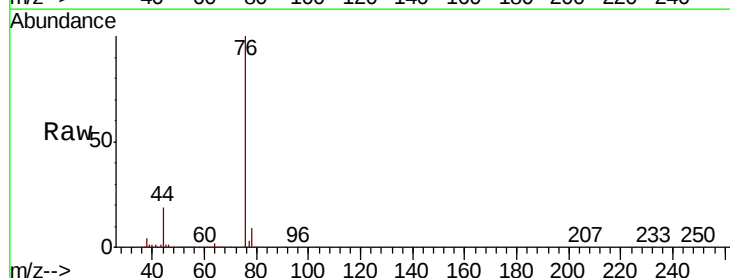
Acq: 29 Oct 2019 12:28

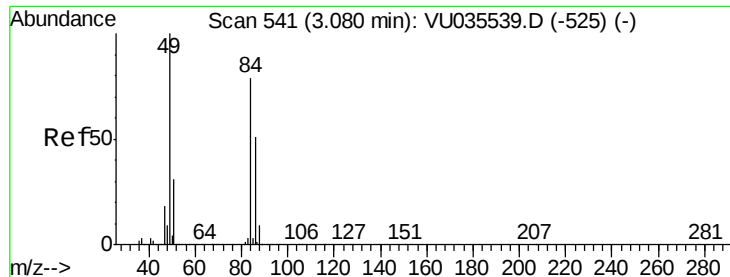
Tgt Ion: 76 Resp: 142947

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

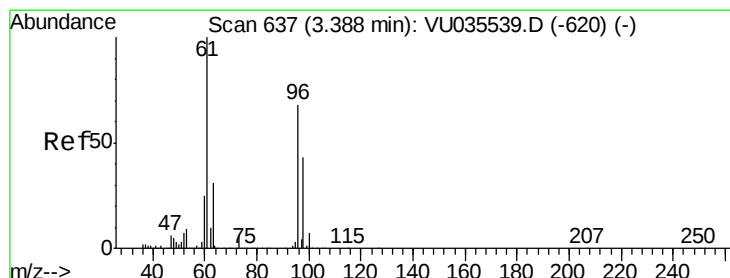
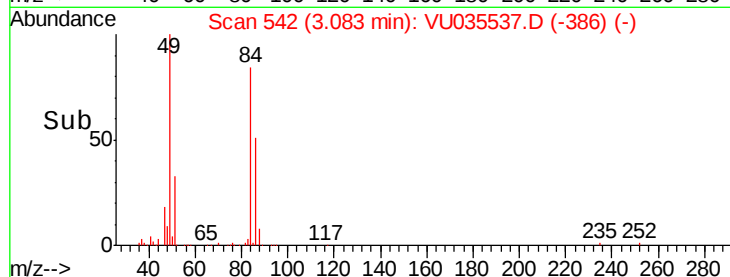
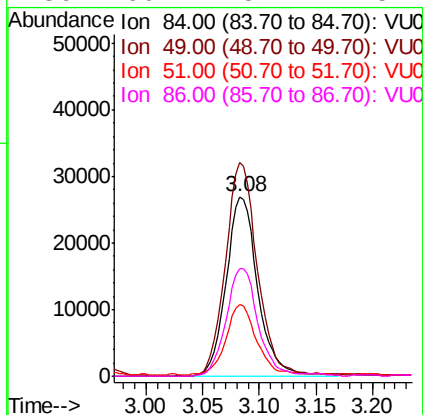
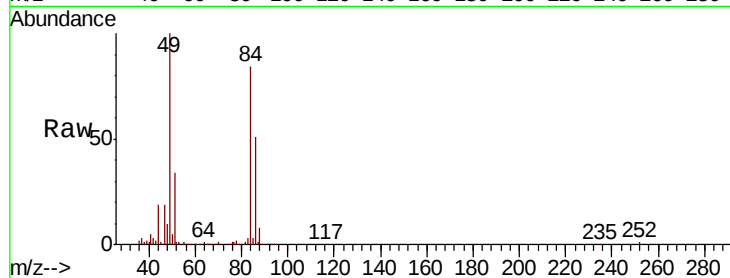




#15
Methvlene Chloride
Concen: 2.349 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

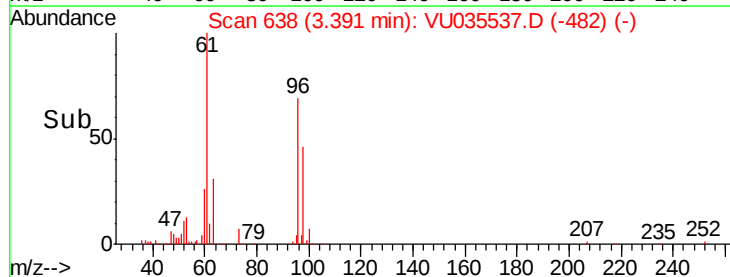
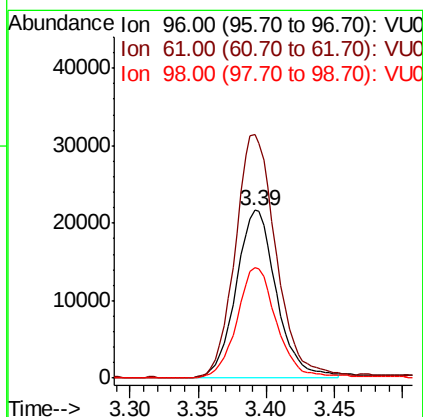
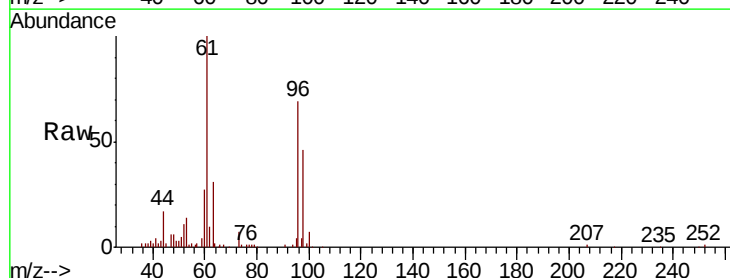
Instrument :
MSVOA_U
ClientSampleId :

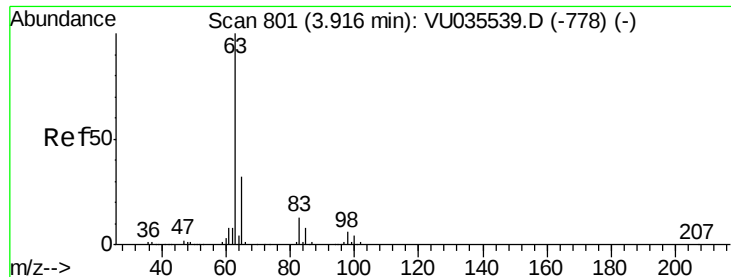
Tot Ion:	84	Resp:	52495
Ion	Ratio	Lower	Upper
84	100		
49	119.0	101.5	152.3
51	39.1	0.0	78.6
86	60.2	52.2	78.2



#16
trans-1,2-Dichloroethene
Concen: 2.108 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion:	96	Resp:	44636
Ion	Ratio	Lower	Upper
96	100		
61	144.9	117.8	176.8
98	66.3	50.2	75.2





#17

1,1-Dichloroethane

Concen: 2.116 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

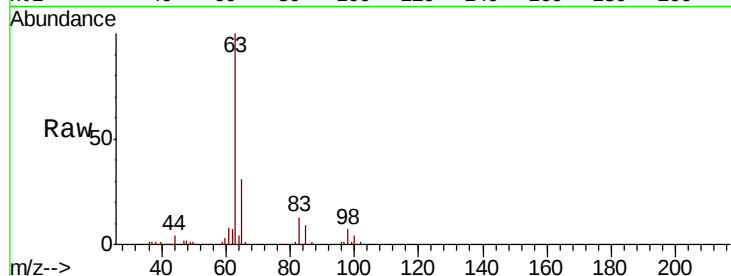
Tot Ion: 63 Resp: 85144

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.3

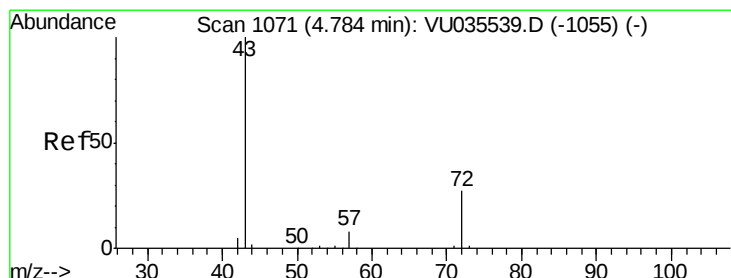
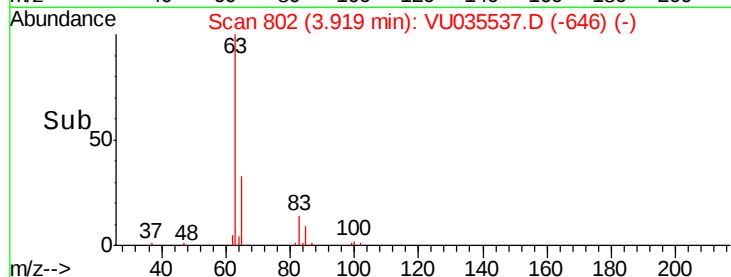
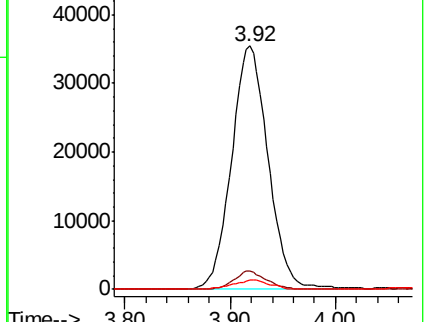
100 3.6 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VU035537.D (-646) (-)

Ion 98.00 (97.70 to 98.70): VU035537.D (-646) (-)

Ion 100.00 (99.70 to 100.70): VU035537.D (-646) (-)



#18

2-Butanone

Concen: 12.184 ug/l

RT: 4.79 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VU035537.D

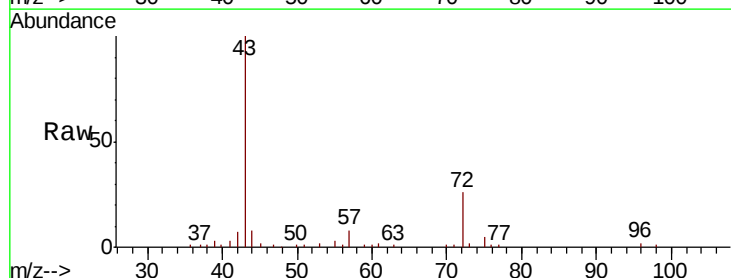
Acq: 29 Oct 2019 12:28

Tgt Ion: 43 Resp: 59231

Ion Ratio Lower Upper

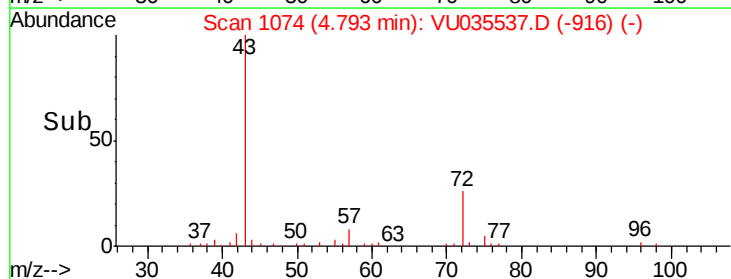
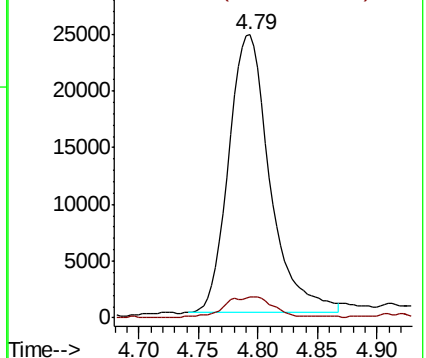
43 100

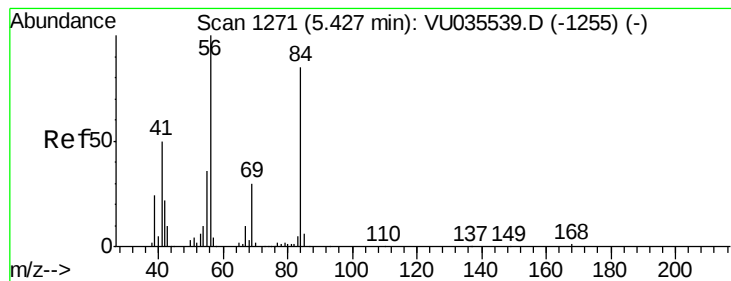
57 7.3 0.0 17.0



Abundance Ion 43.00 (42.70 to 43.70): VU035537.D (-916) (-)

Ion 57.00 (56.70 to 57.70): VU035537.D (-916) (-)





#19

Cyclohexane

Concen: 1.851 ug/l

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :

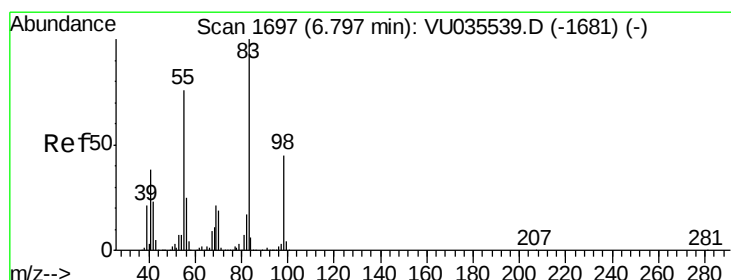
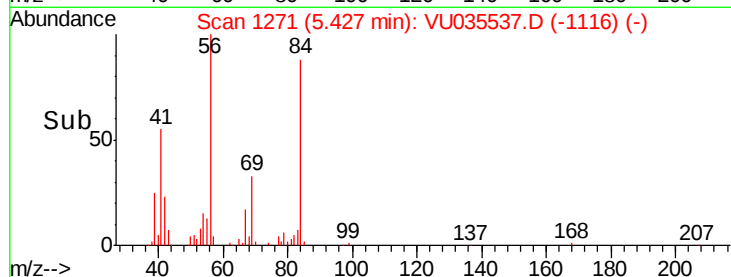
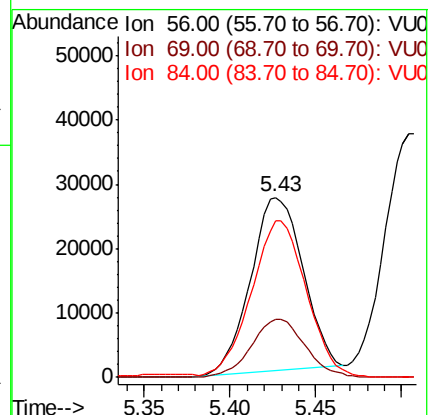
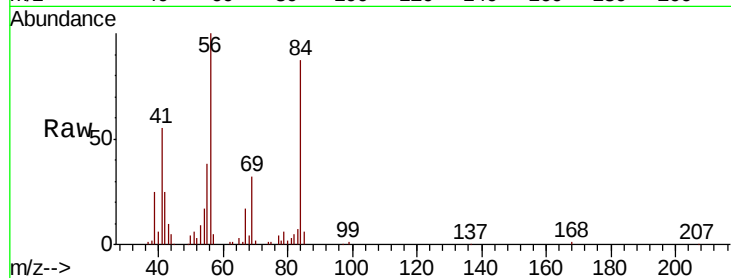
Tot Ion: 56 Resp: 57319

Ion Ratio Lower Upper

56 100

69 34.1 26.4 39.6

84 92.7 72.9 109.3



#20

Methylcyclohexane

Concen: 1.989 ug/l

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

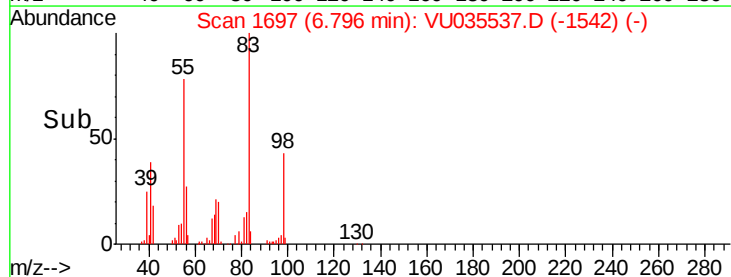
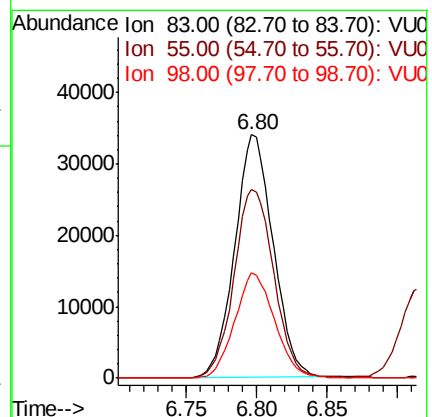
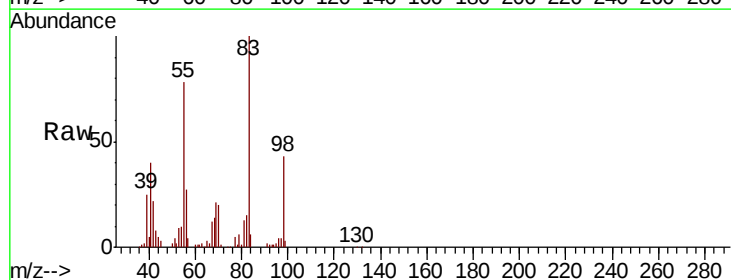
Tgt Ion: 83 Resp: 65020

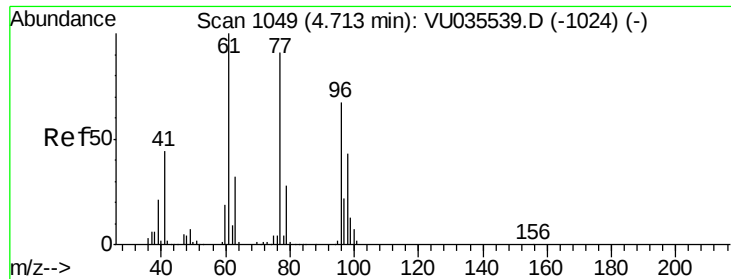
Ion Ratio Lower Upper

83 100

55 79.8 61.2 91.8

98 44.9 36.7 55.1





#21

2,2-Dichloropropane

Concen: 2.150 ug/l

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

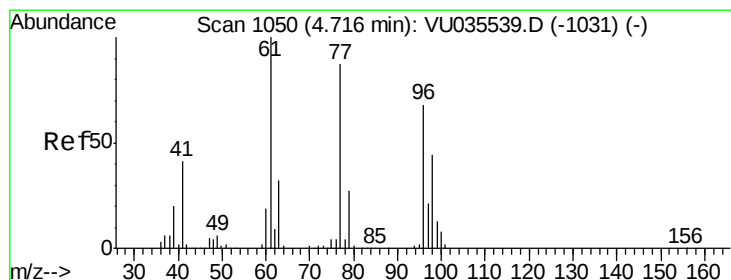
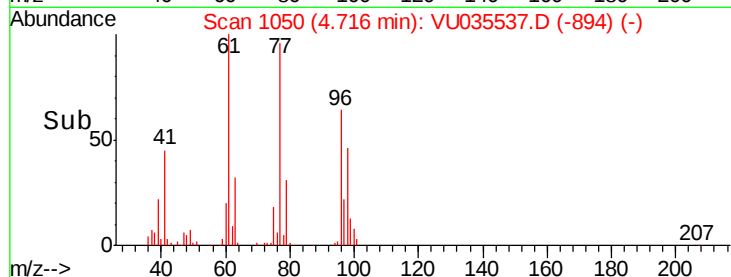
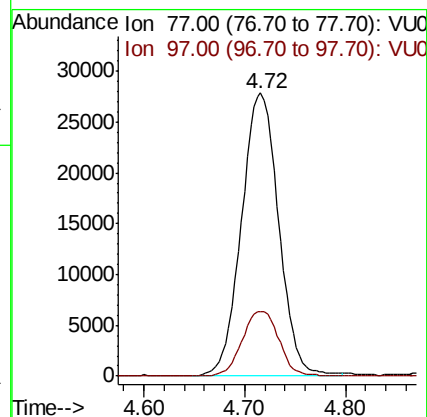
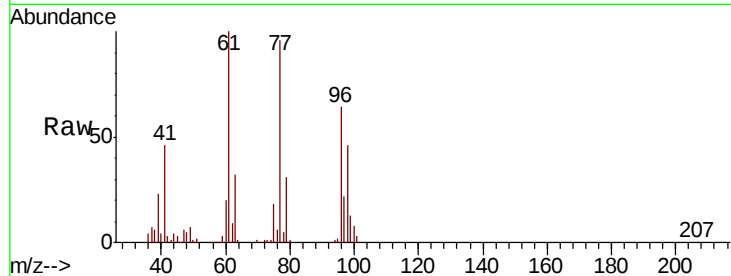
ClientSampled :

Tot Ion: 77 Resp: 71402

Ion Ratio Lower Upper

77 100

97 22.5 18.8 28.2



#22

cis-1,2-Dichloroethene

Concen: 1.999 ug/l

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

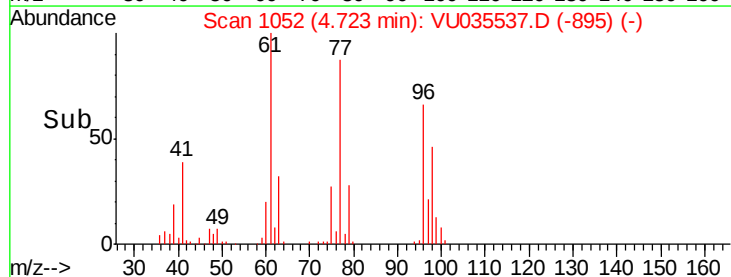
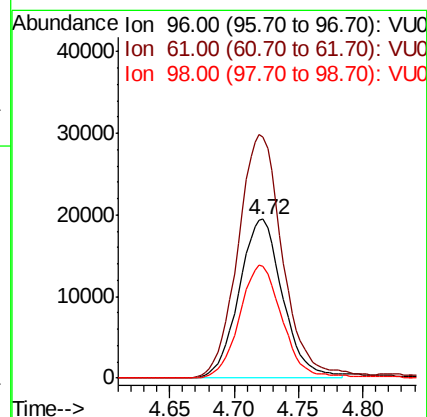
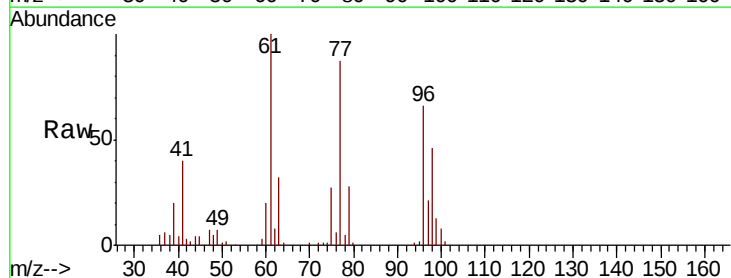
Tgt Ion: 96 Resp: 45864

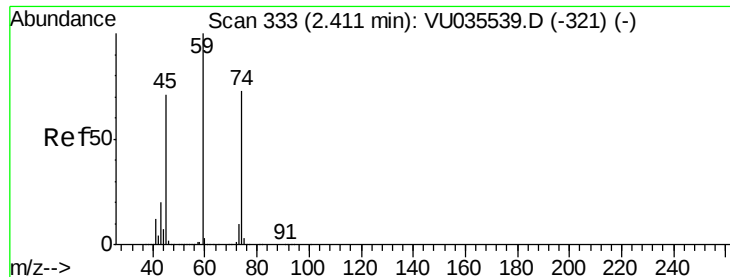
Ion Ratio Lower Upper

96 100

61 157.4 0.0 370.5

98 69.2 31.8 95.4

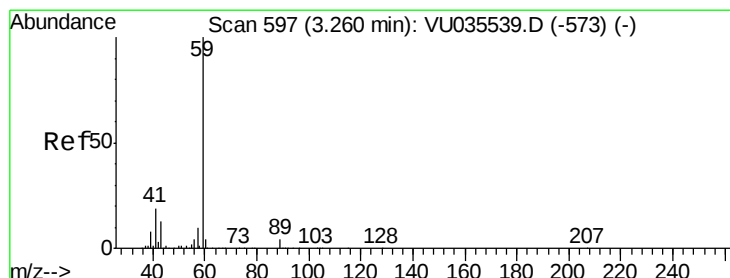
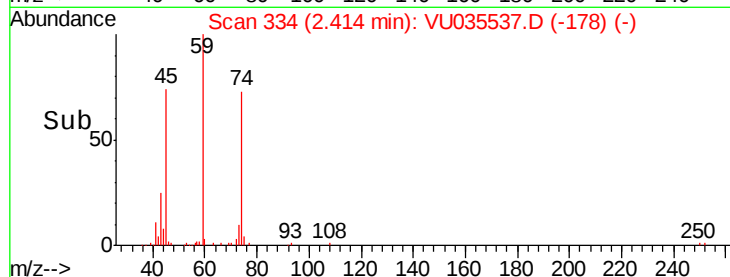
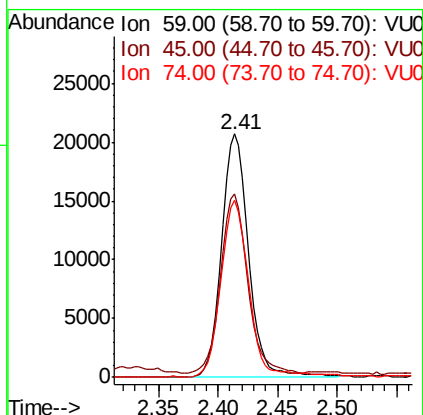
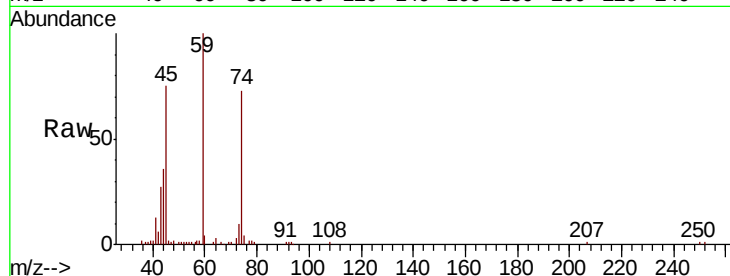




#23
Diethyl Ether
Concen: 2.258 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

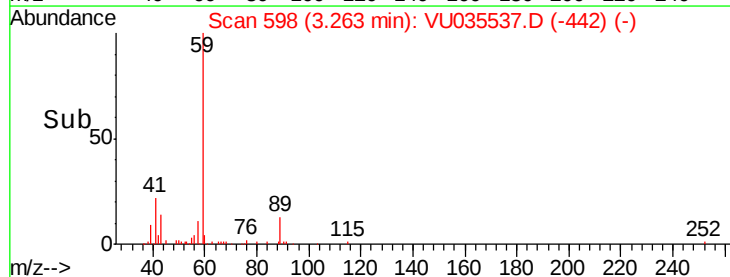
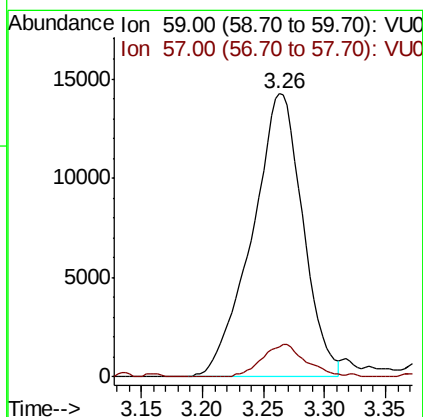
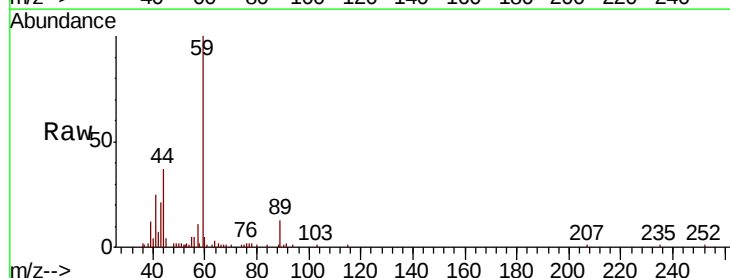
Instrument :
MSVOA_U
ClientSampled :

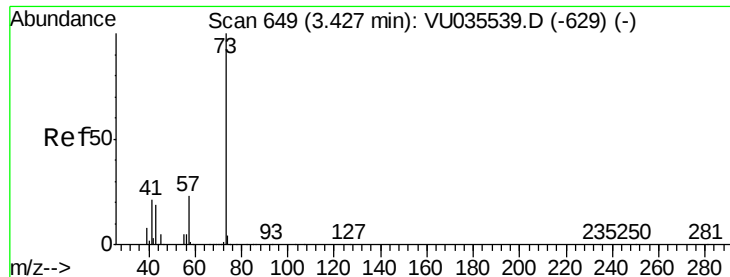
Tot Ion: 59 Resp: 32601
Ion Ratio Lower Upper
59 100
45 73.3 56.9 85.3
74 76.2 59.5 89.3



#24
tert-Butyl Alcohol
Concen: 20.846 ug/l
RT: 3.26 min Scan# 598
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 59 Resp: 41385
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.0



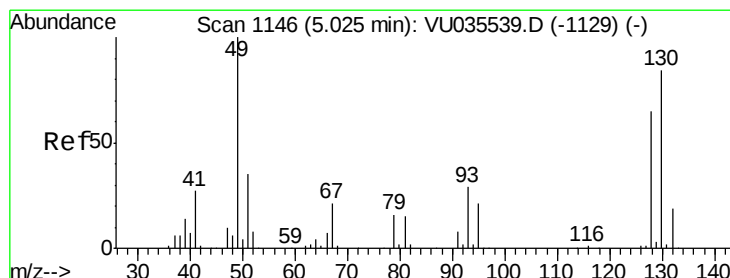
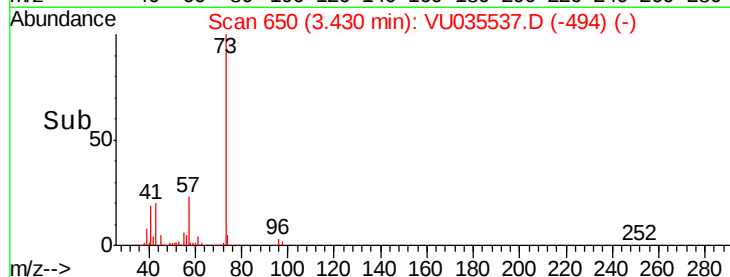
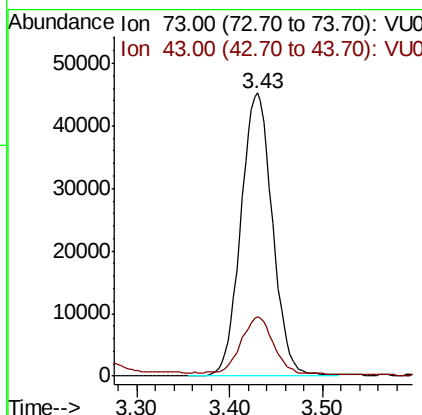
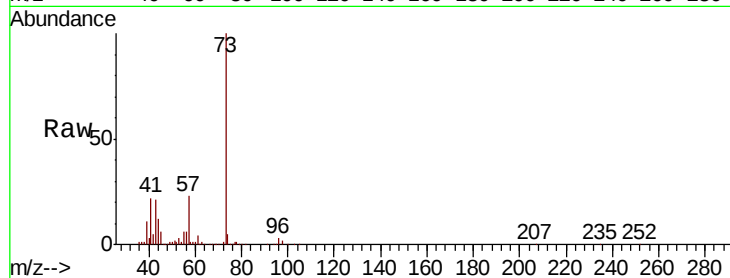


#25

Methyl tert-Butyl Ether
 Concen: 2.321 ug/l
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampled :

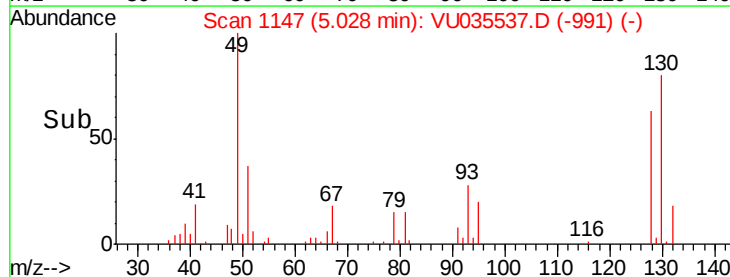
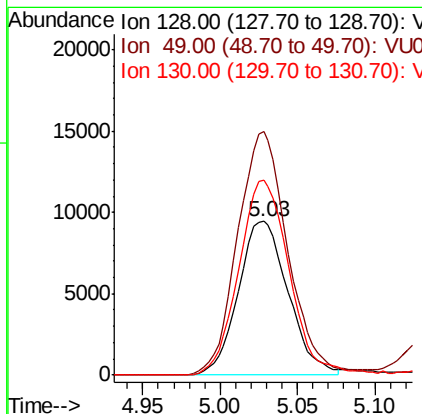
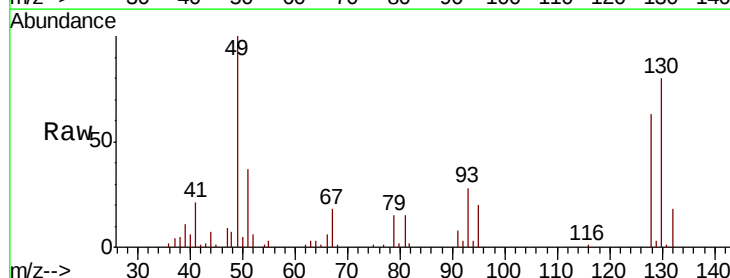
Tot Ion: 73 Resp: 107249
 Ion Ratio Lower Upper
 73 100
 43 20.1 15.4 23.2

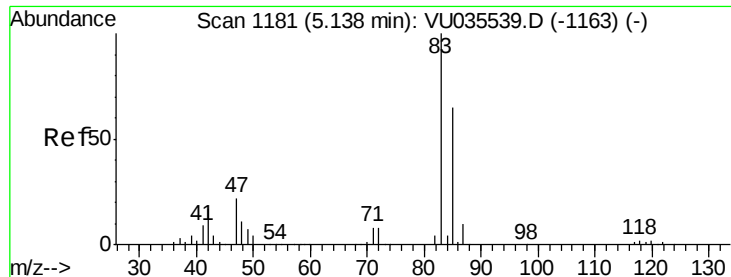


#26

Bromochloromethane
 Concen: 2.177 ug/l
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion: 128 Resp: 21197
 Ion Ratio Lower Upper
 128 100
 49 159.3 0.0 309.0
 130 128.5 101.8 152.8

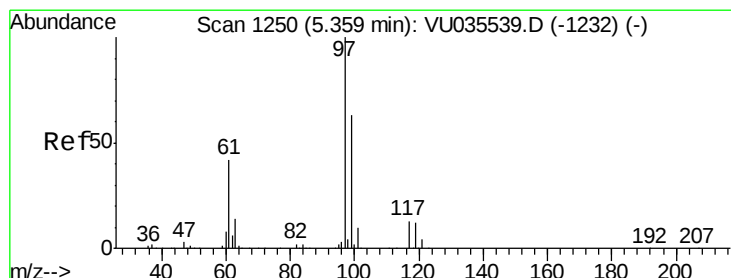
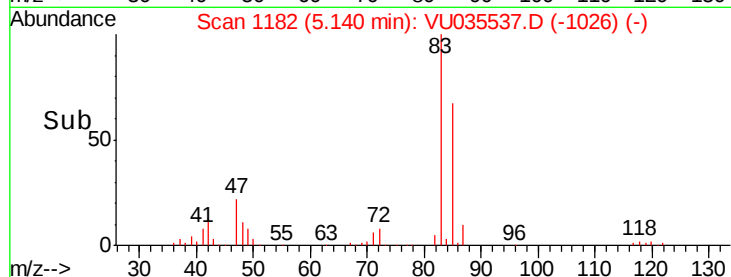
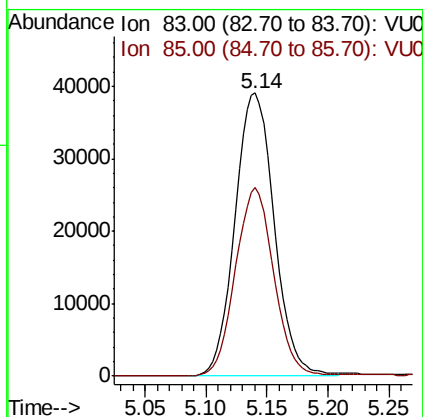
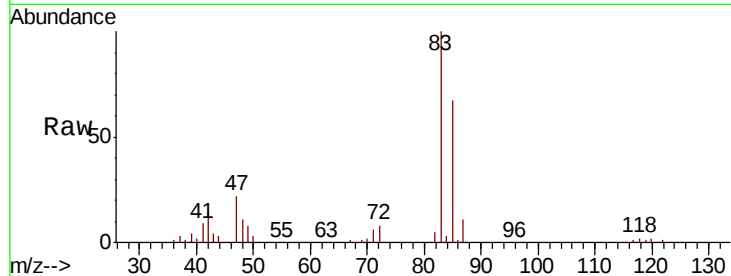




#27
Chloroform
Concen: 2.075 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

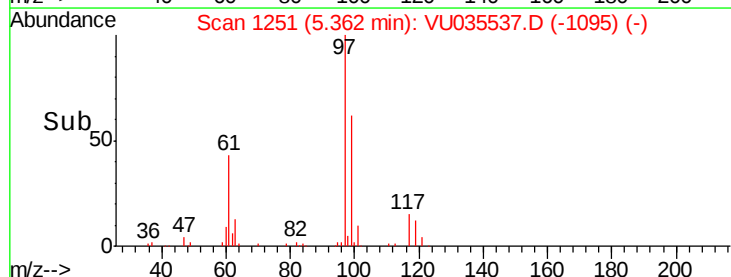
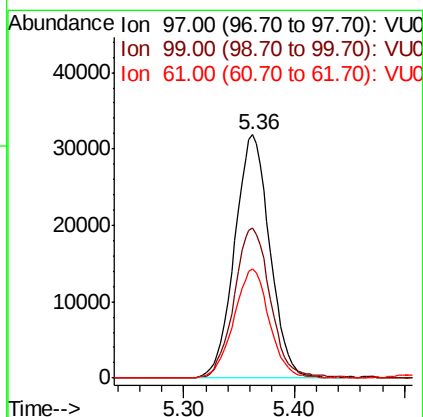
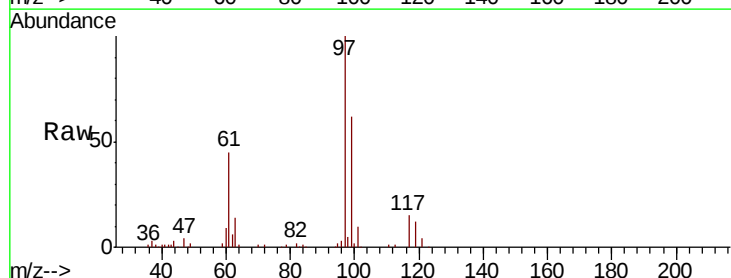
Instrument :
MSVOA_U
ClientSampleId :

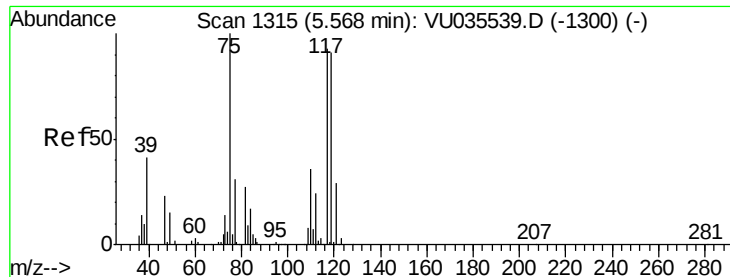
Tot Ion: 83 Resp: 87231
Ion Ratio Lower Upper
83 100
85 66.5 0.0 130.6



#28
1,1,1-Trichloroethane
Concen: 2.136 ug/l
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 97 Resp: 70309
Ion Ratio Lower Upper
97 100
99 63.8 32.6 97.7
61 45.4 21.8 65.4





#29

1,1-Dichloropropene

Concen: 2.040 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :

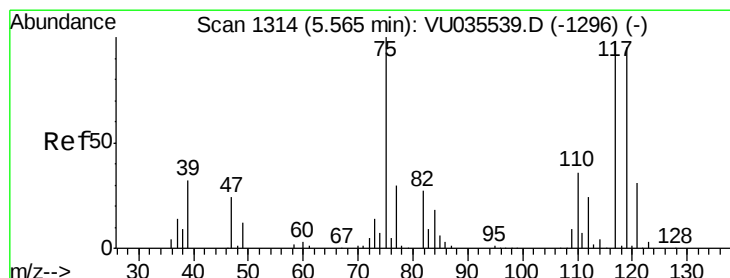
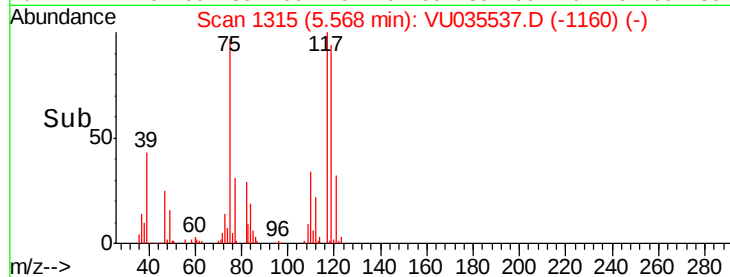
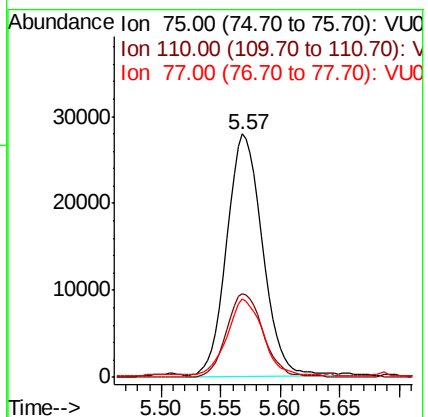
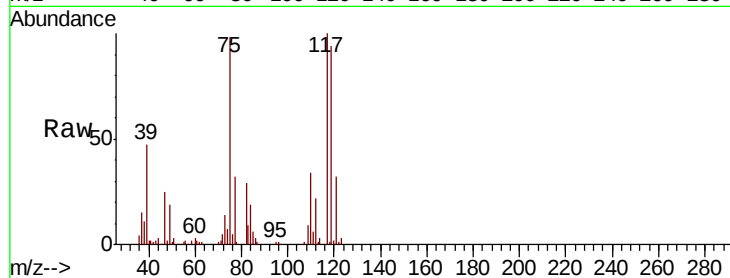
Tot Ion: 75 Resp: 57829

Ion Ratio Lower Upper

75 100

110 35.4 18.3 54.8

77 30.8 24.6 37.0



#30

Carbon Tetrachloride

Concen: 2.157 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

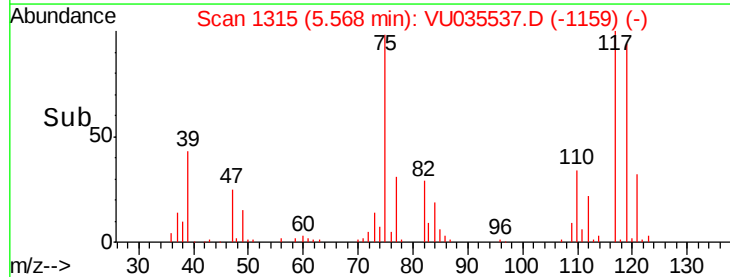
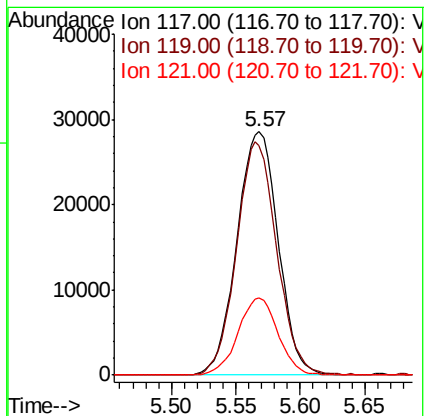
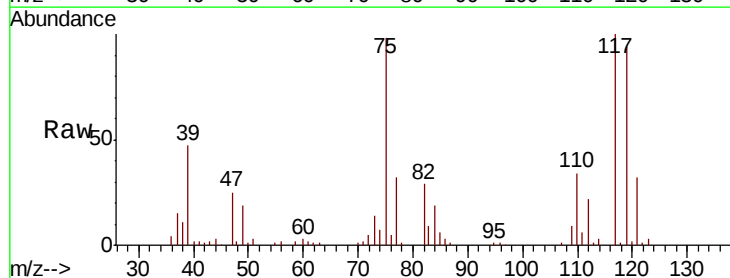
Tgt Ion: 117 Resp: 63594

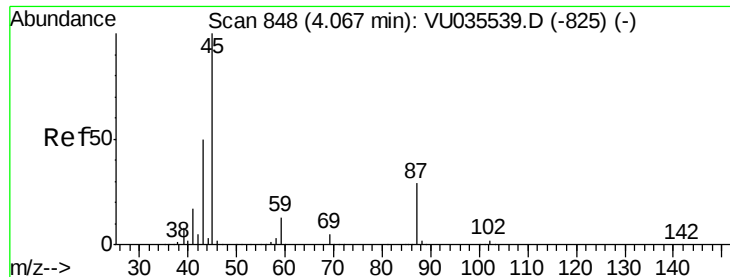
Ion Ratio Lower Upper

117 100

119 94.1 77.3 115.9

121 31.9 25.2 37.8





#31

Isopropyl Ether

Concen: 1.927 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

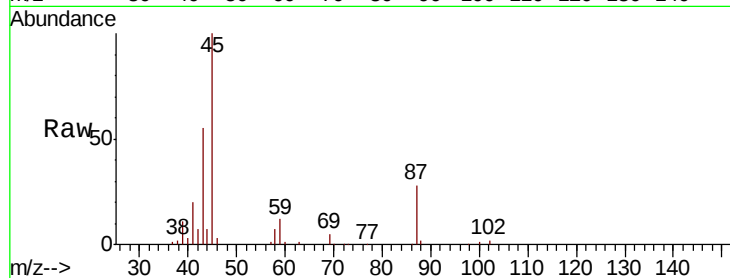
ClientSampleId :

Tot Ion: 45 Resp: 111234

Ion Ratio Lower Upper

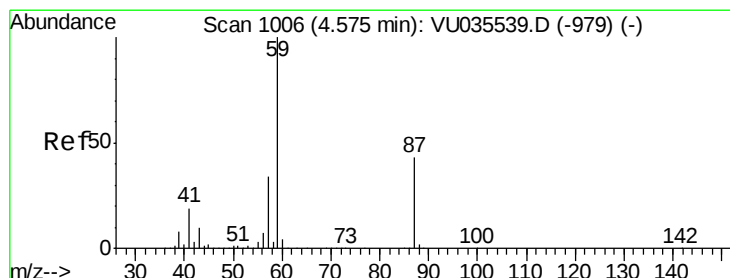
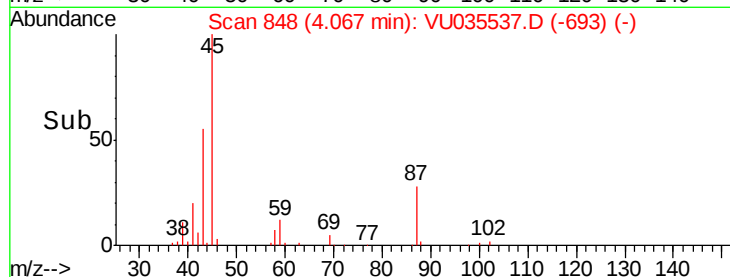
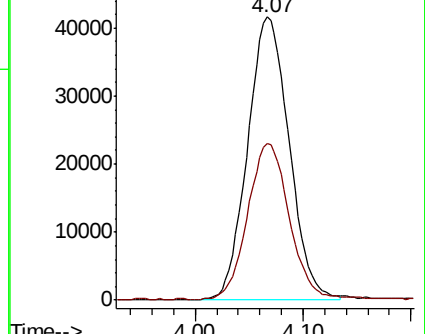
45 100

43 54.8 25.3 75.8



Abundance Ion 45.00 (44.70 to 45.70): VU035537.D (-825) (-)

Ion 43.00 (42.70 to 43.70): VU035537.D (-825) (-)



#32

Ethyl-t-butyl ether

Concen: 2.063 ug/l

RT: 4.58 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VU035537.D

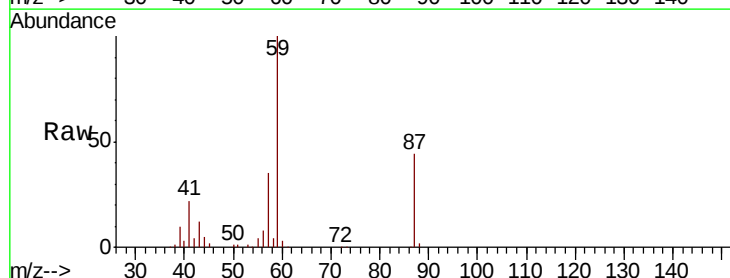
Acq: 29 Oct 2019 12:28

Tgt Ion: 59 Resp: 103277

Ion Ratio Lower Upper

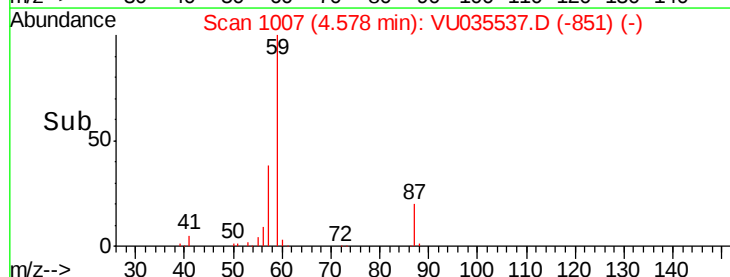
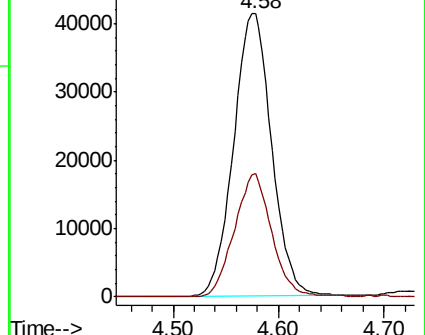
59 100

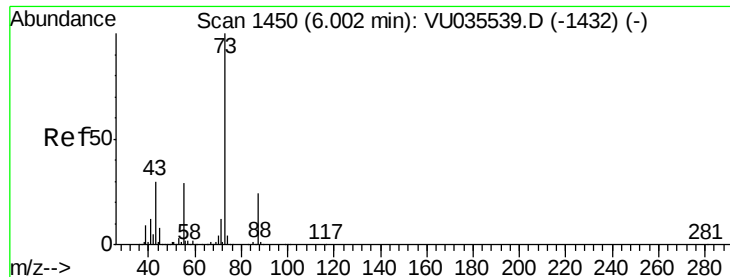
87 42.1 33.9 50.9



Abundance Ion 59.00 (58.70 to 59.70): VU035537.D (-851) (-)

Ion 87.00 (86.70 to 87.70): VU035537.D (-851) (-)

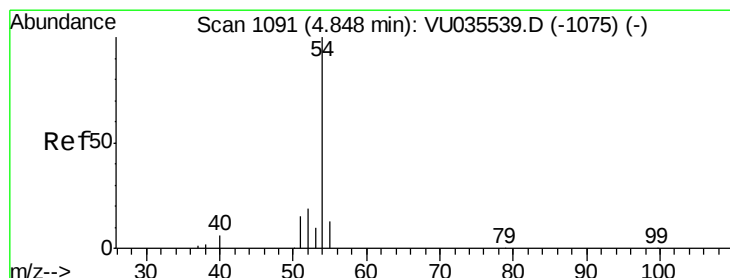
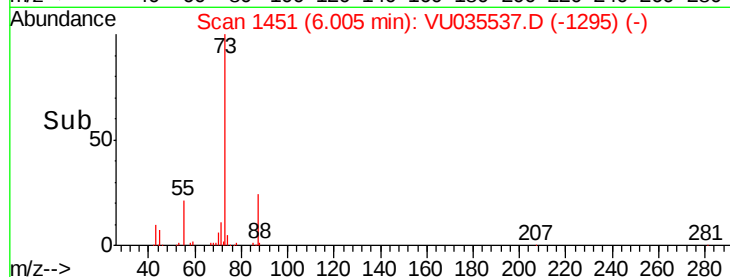
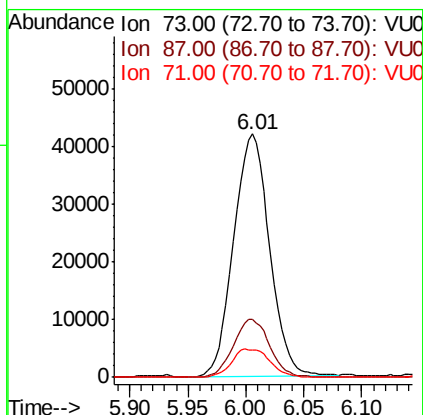
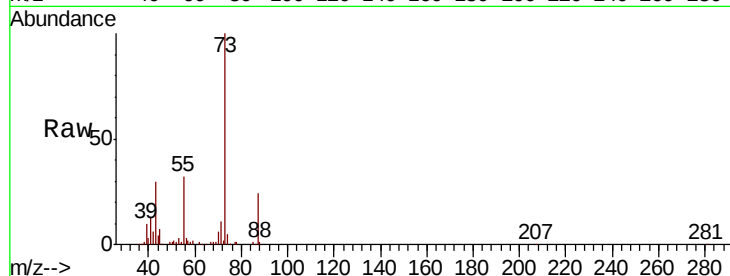




#33
Tert-Butyl methyl ether
Concen: 2.144 ug/l
RT: 6.01 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

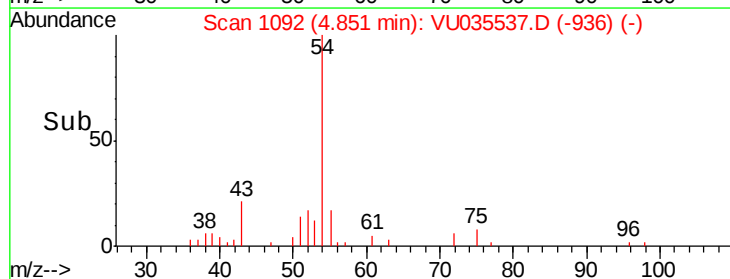
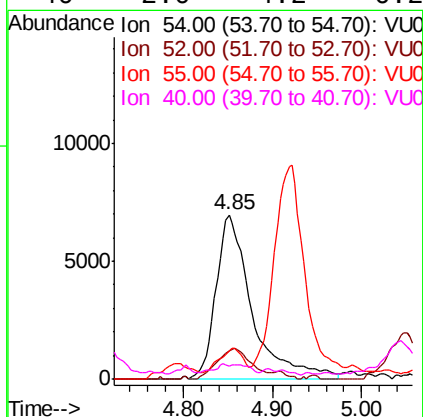
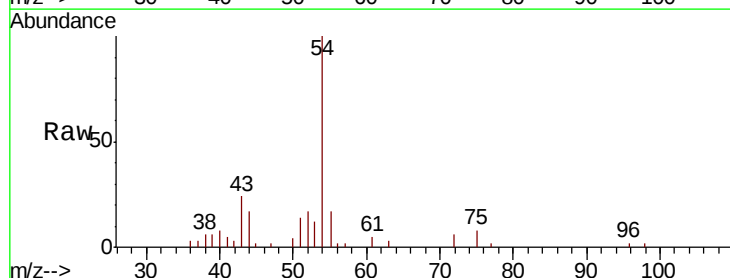
Instrument :
MSVOA_U
ClientSampled :

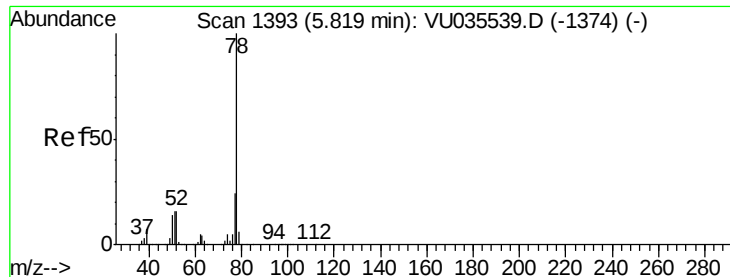
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	19.5	29.3
71	12.4	9.4	14.2



#34
Propionitrile
Concen: 14.041 ug/l
RT: 4.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.2	14.6	21.8
55	10.3	11.7	17.5#
40	2.0	4.2	6.2#





#35

Benzene

Concen: 2.121 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

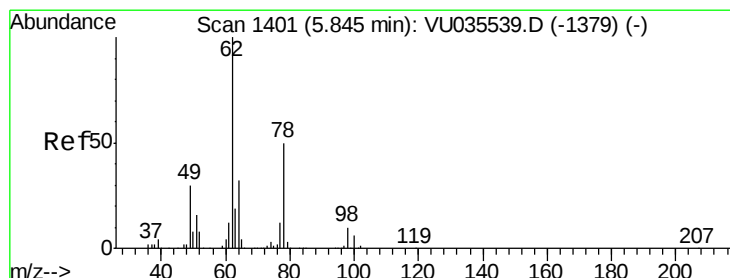
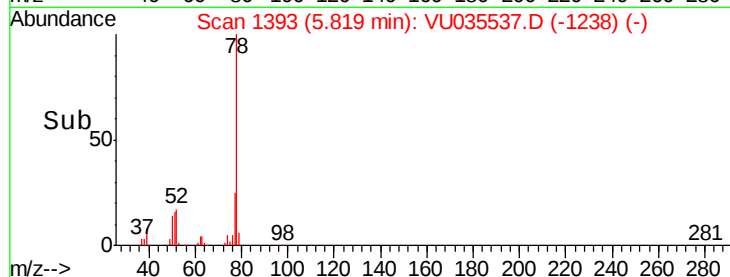
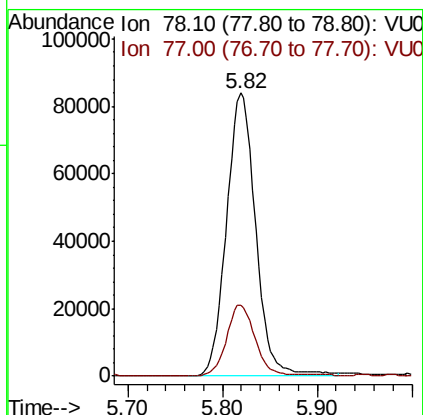
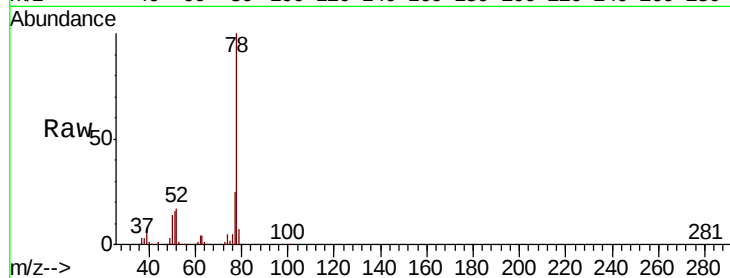
ClientSampleId :

Tot Ion: 78 Resp: 180482

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.4



#36

1,2-Dichloroethane

Concen: 2.404 ug/l

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035537.D

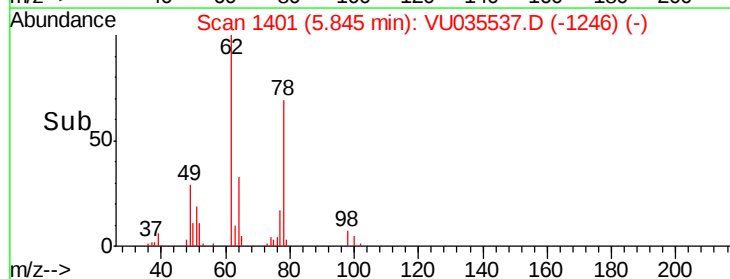
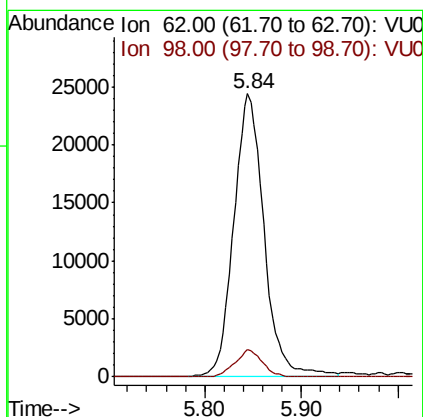
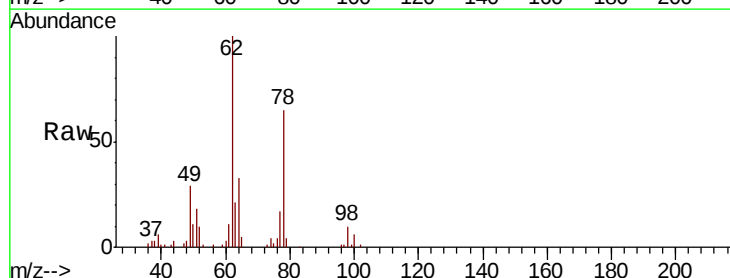
Acq: 29 Oct 2019 12:28

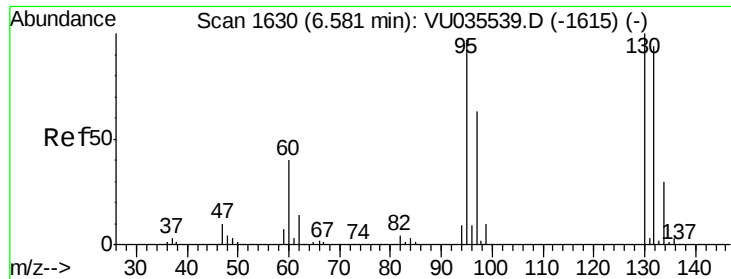
Tgt Ion: 62 Resp: 53259

Ion Ratio Lower Upper

62 100

98 8.5 7.5 11.3

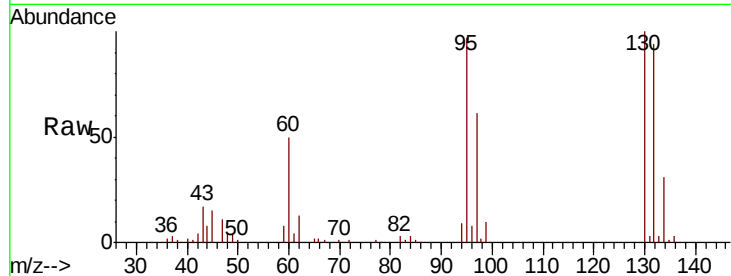




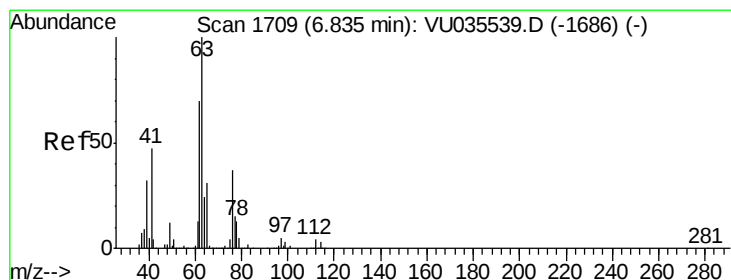
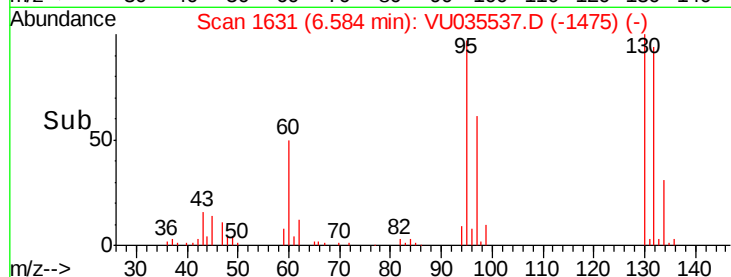
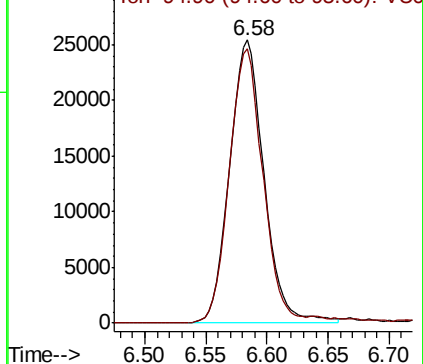
#37
 Trichloroethene
 Concen: 2.104 ug/l
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 50000
 Ion Ratio Lower Upper
 130 100
 95 96.8 77.5 116.3

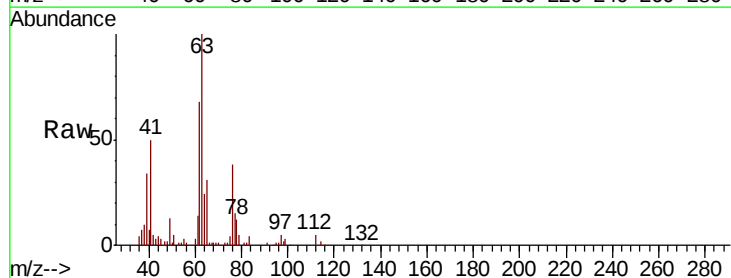


Abundance Ion 129.90 (129.60 to 130.60): VU035537.D (-1615) (-)
 Ion 94.90 (94.60 to 95.60): VU035537.D (-1615) (-)

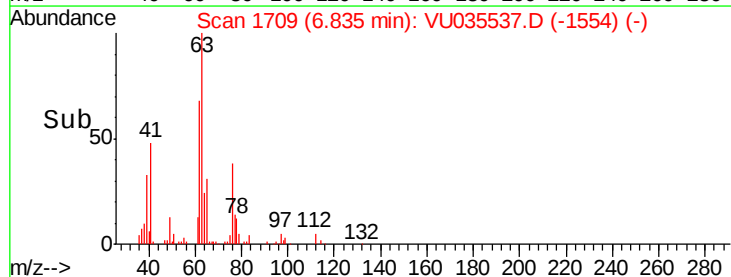
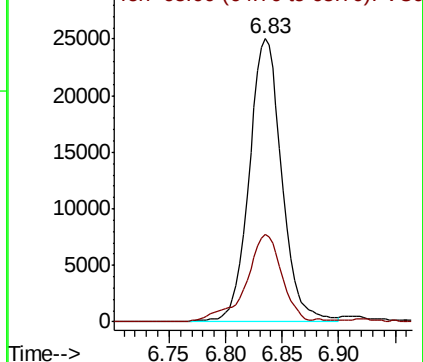


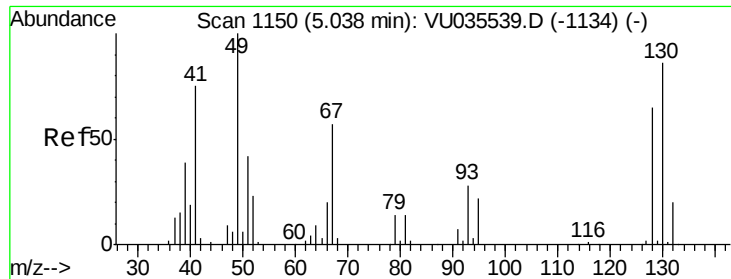
#38
 1,2-Dichloropropane
 Concen: 2.217 ug/l
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion: 63 Resp: 50227
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VU035537.D (-1554) (-)
 Ion 65.00 (64.70 to 65.70): VU035537.D (-1554) (-)

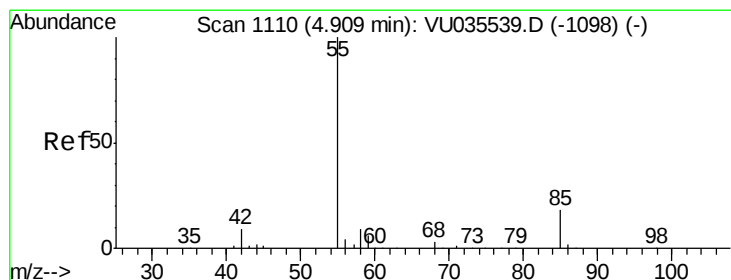
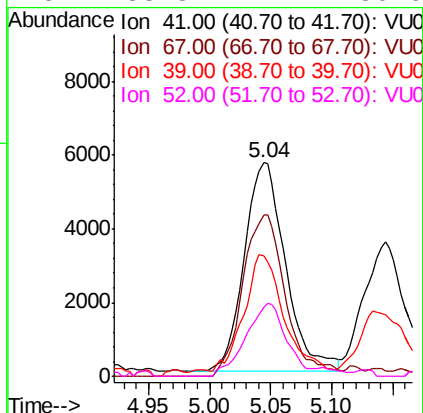
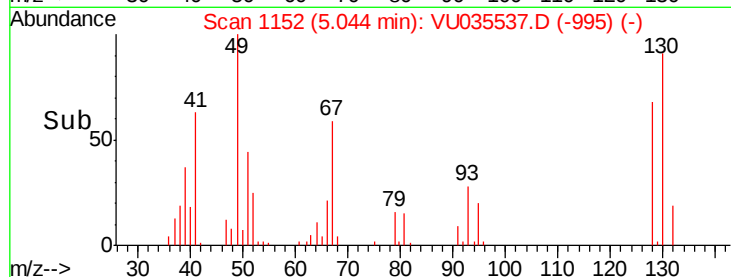
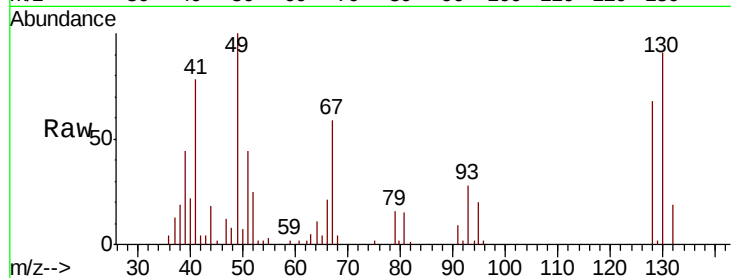




#39
Methacrylonitrile
Concen: 2.308 ug/l
RT: 5.04 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

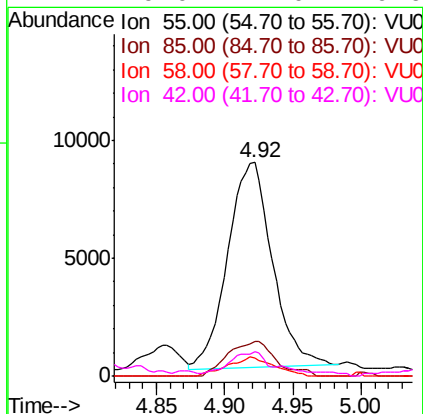
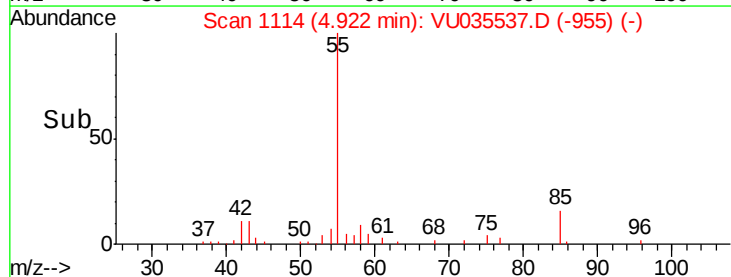
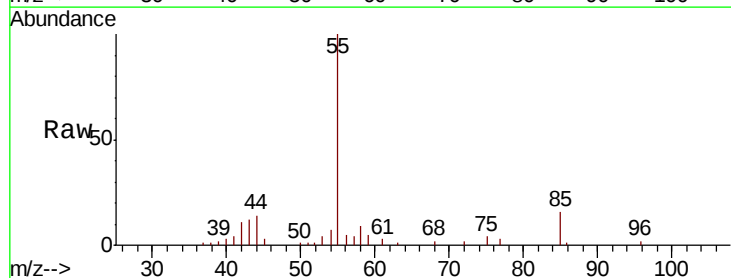
Instrument :
MSVOA_U
ClientSampleId :

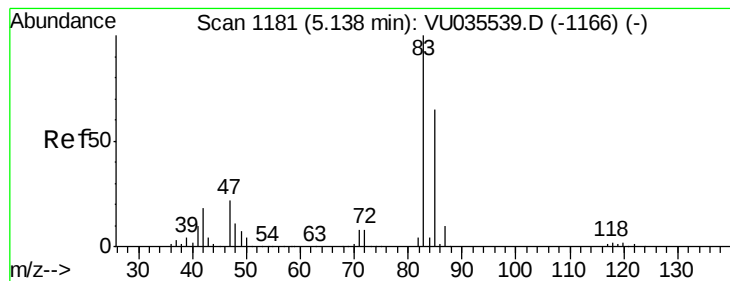
Tot Ion:	41	Resp:	13263
Ion	Ratio	Lower	Upper
41	100		
67	79.8	61.5	92.3
39	52.8	41.3	61.9
52	33.8	24.4	36.6



#40
Methyl acrylate
Concen: 2.268 ug/l
RT: 4.92 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion:	55	Resp:	19895
Ion	Ratio	Lower	Upper
55	100		
85	18.0	13.5	20.3
58	9.4	6.6	10.0
42	9.0	7.0	10.6





#41

Tetrahydrofuran

Concen: 4.349 ug/l

RT: 5.14 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

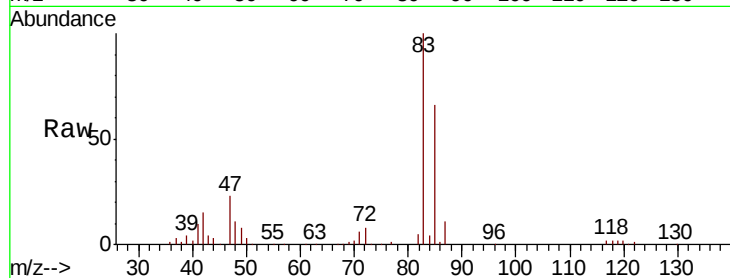
Tot Ion: 42 Resp: 12780

Ion Ratio Lower Upper

42 100

72 52.7 89.9 134.9#

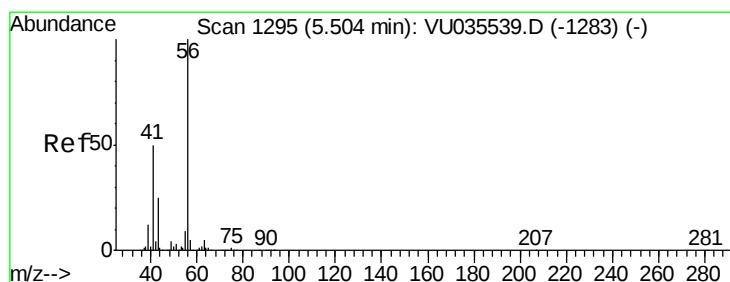
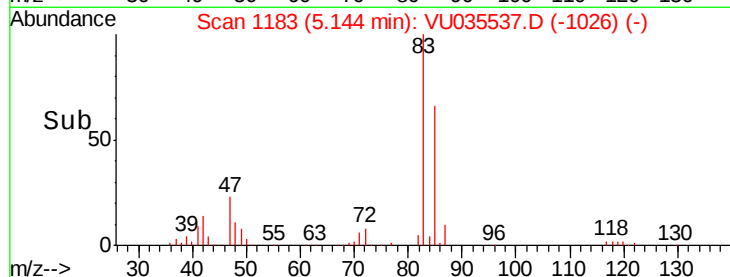
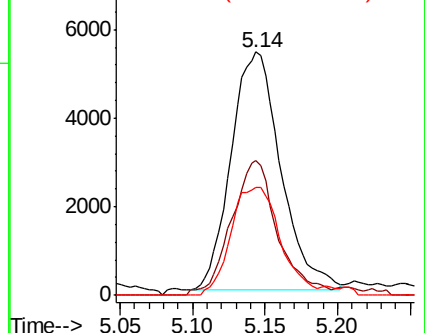
71 45.1 3.7 5.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 2.022 ug/l

RT: 5.50 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VU035537.D

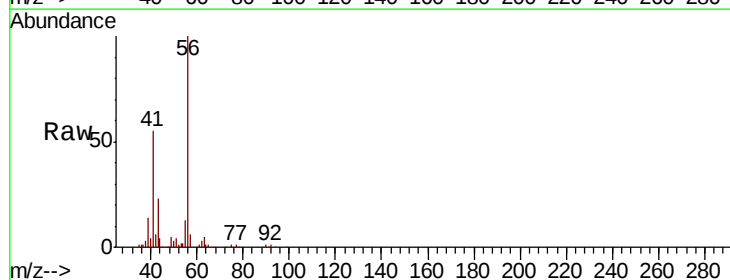
Acq: 29 Oct 2019 12:28

Tgt Ion: 56 Resp: 77802

Ion Ratio Lower Upper

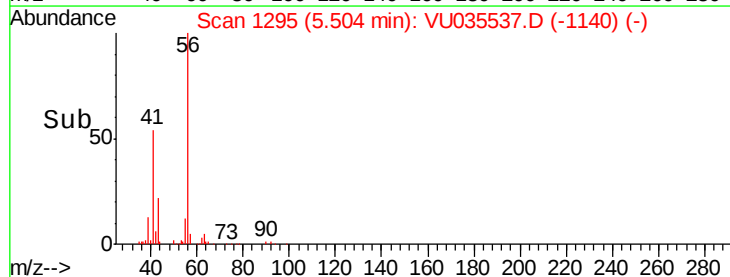
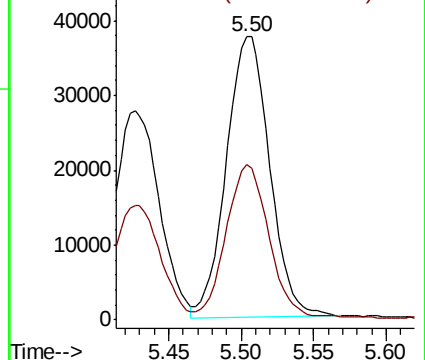
56 100

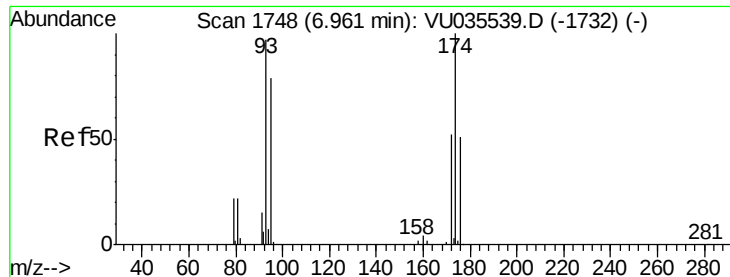
41 54.7 25.5 76.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

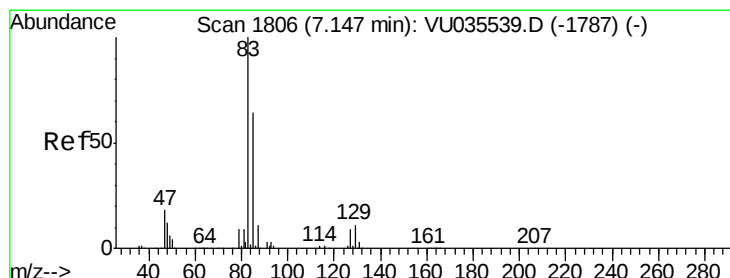
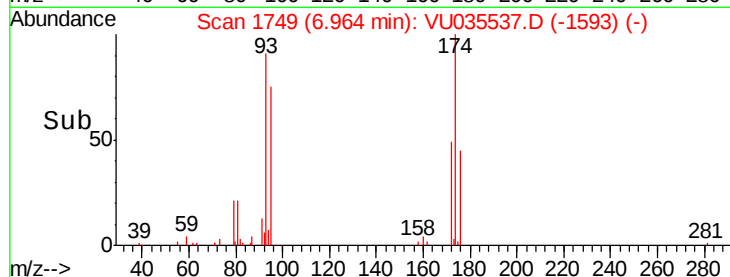
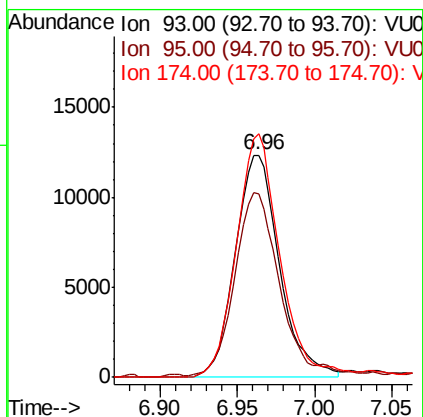
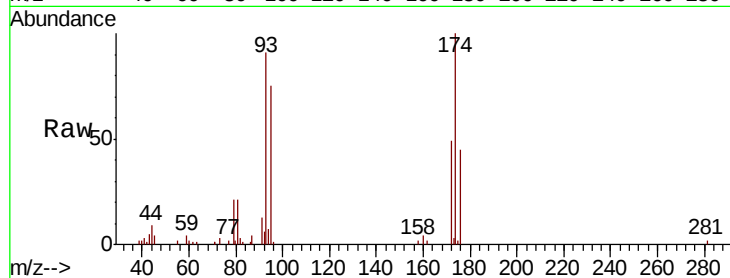




#43
Dibromomethane
Concen: 2.264 ug/l
RT: 6.96 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

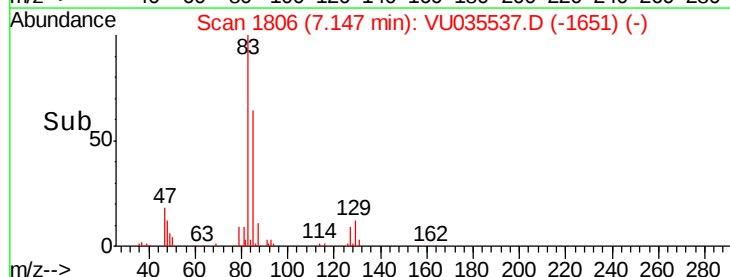
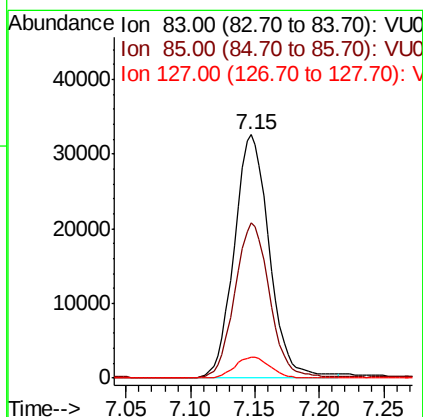
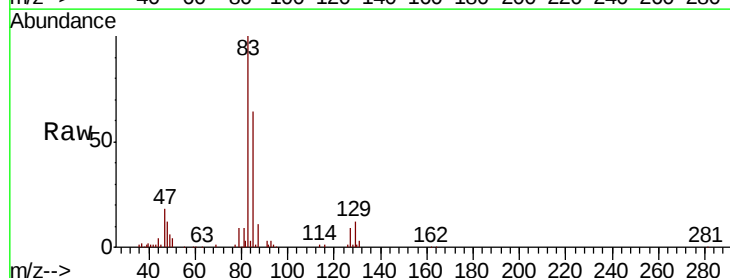
Instrument :
MSVOA_U
ClientSampleId :

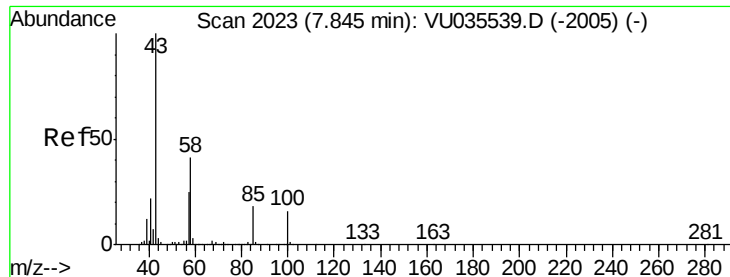
Tot Ion: 93 Resp: 24558
Ion Ratio Lower Upper
93 100
95 82.2 65.1 97.7
174 107.8 84.2 126.4



#44
Bromodichloromethane
Concen: 2.247 ug/l
RT: 7.15 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 83 Resp: 61893
Ion Ratio Lower Upper
83 100
85 63.5 51.6 77.4
127 8.6 7.0 10.4

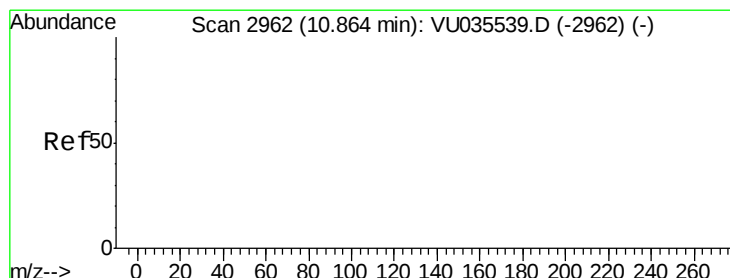
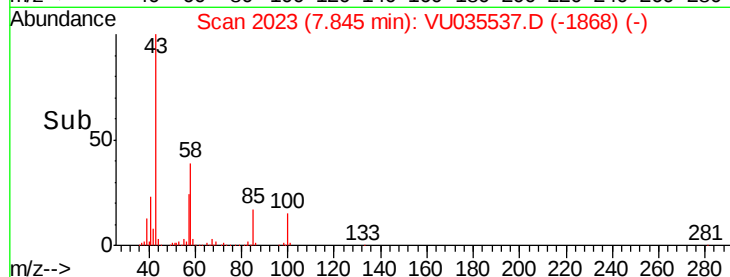
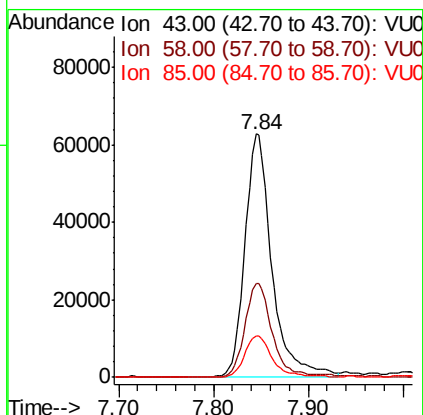
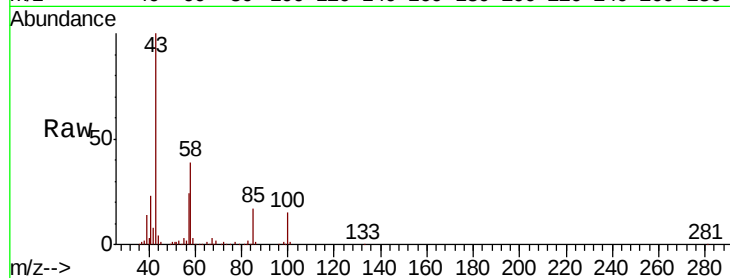




#45
4-Methyl-2-Pentanone
Concen: 11.140 ug/l
RT: 7.84 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

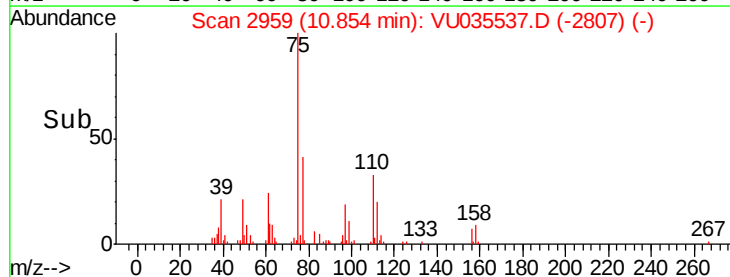
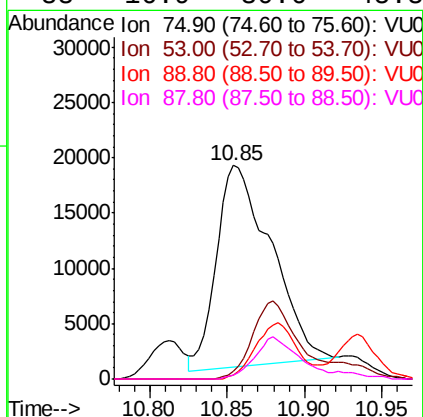
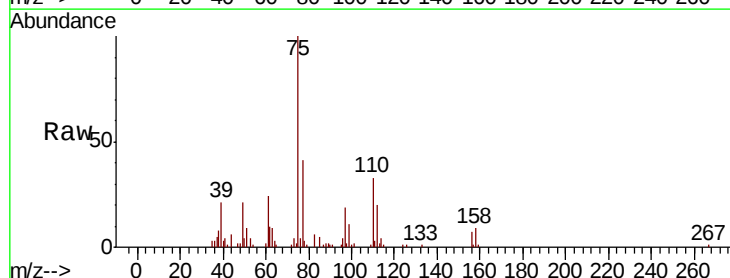
Instrument :
MSVOA_U
ClientSampleId :

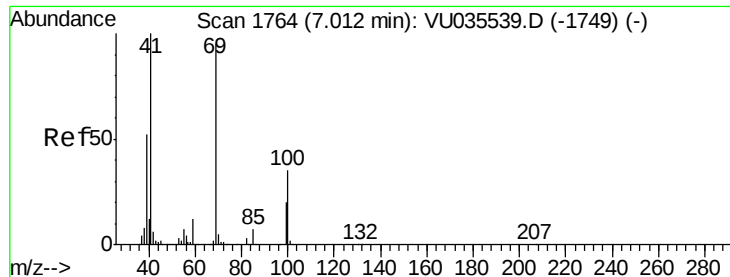
Tot Ion:	43	Resp:	123327
Ion	Ratio	Lower	Upper
43	100		
58	39.3	20.6	61.8
85	17.6	14.5	21.7



#46
t-1,4-Dichloro-2-butene
Concen: 9.731 ug/l
RT: 10.85 min Scan# 2959
Delta R.T. -0.01 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion:	75	Resp:	44843
Ion	Ratio	Lower	Upper
75	100		
53	37.1	54.1	81.1#
89	21.3	38.2	57.4#
88	16.9	30.6	45.8#

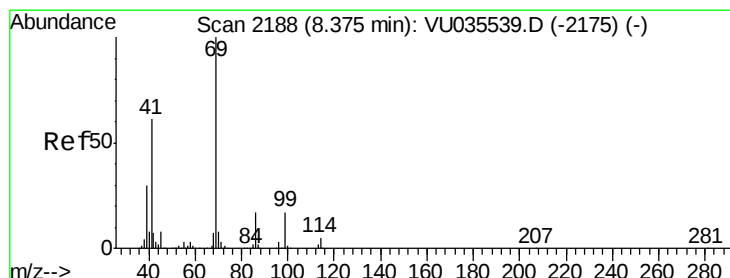
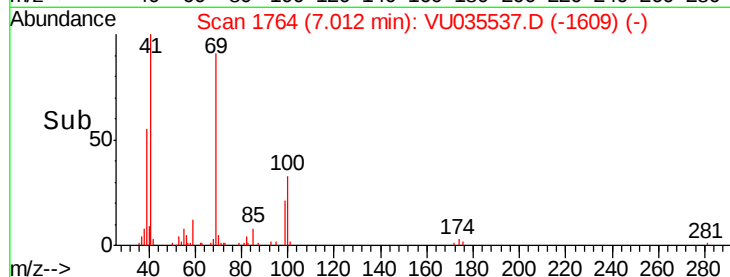
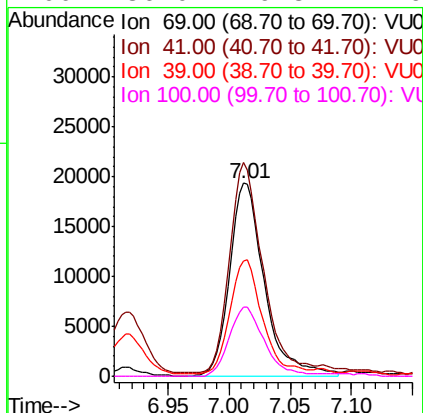
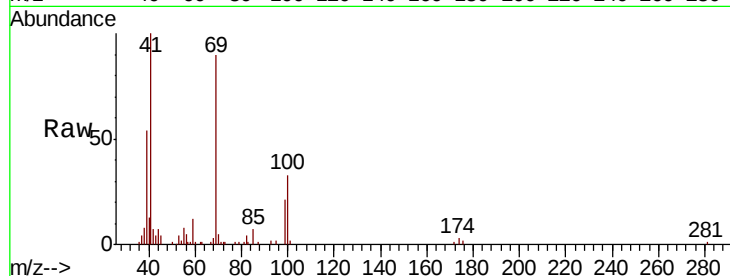




#47
Methyl methacrylate
Concen: 4.451 ug/l
RT: 7.01 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

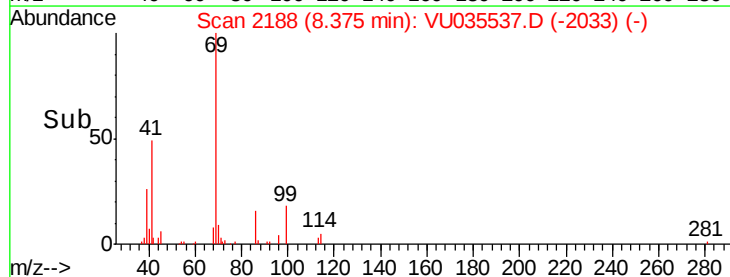
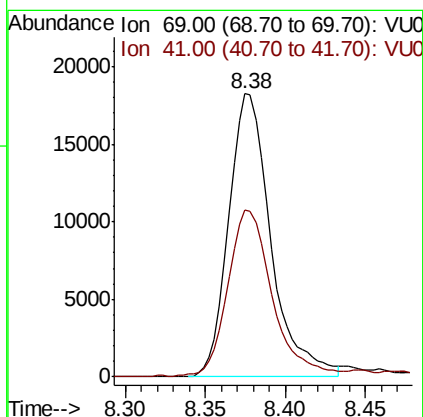
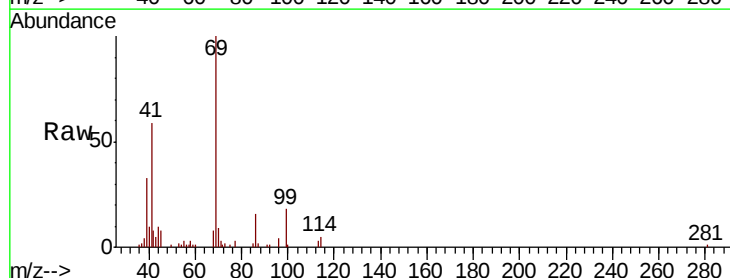
Instrument :
MSVOA_U
ClientSampleId :

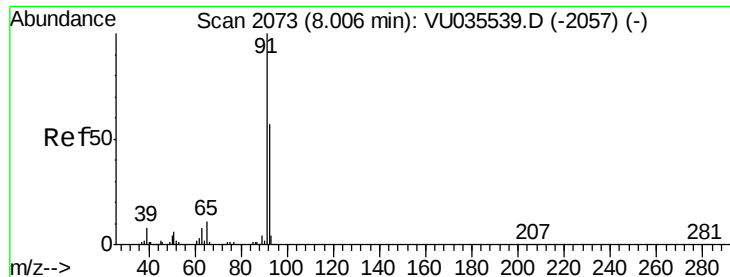
Tot Ion: 69 Resp: 38541
Ion Ratio Lower Upper
69 100
41 102.8 0.0 216.8
39 54.7 45.1 67.7
100 36.0 29.8 44.6



#48
Ethyl methacrylate
Concen: 2.107 ug/l
RT: 8.38 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 69 Resp: 32930
Ion Ratio Lower Upper
69 100
41 62.5 30.4 91.2





#49

Toluene

Concen: 2.068 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

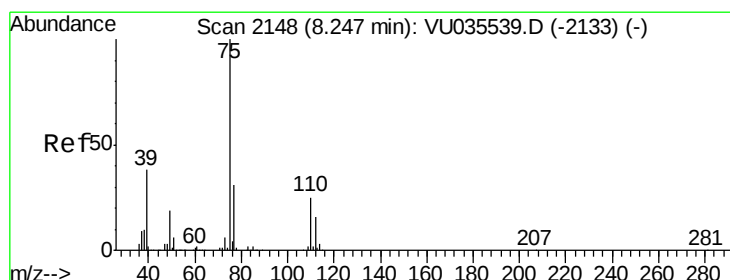
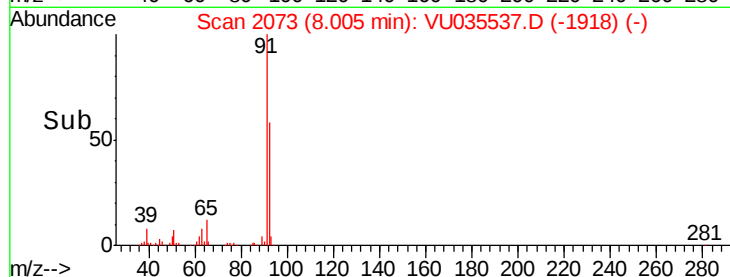
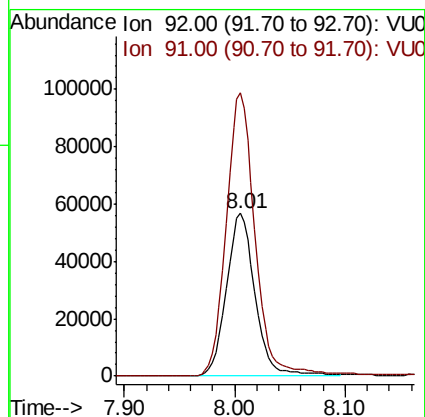
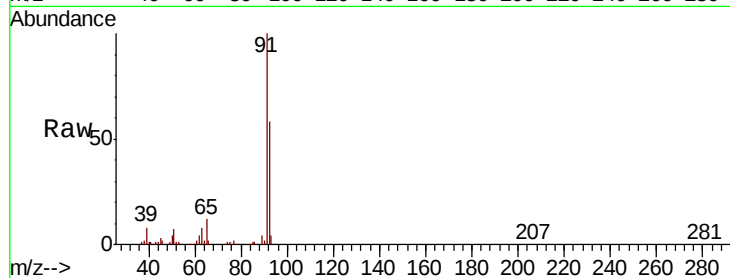
ClientSampleId :

Tot Ion: 92 Resp: 102552

Ion Ratio Lower Upper

92 100

91 174.0 141.4 212.0



#50

t-1,3-Dichloropropene

Concen: 2.245 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035537.D

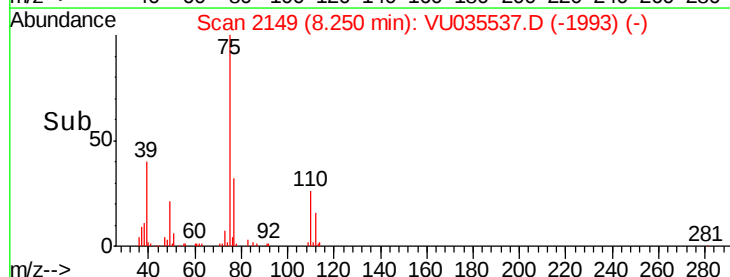
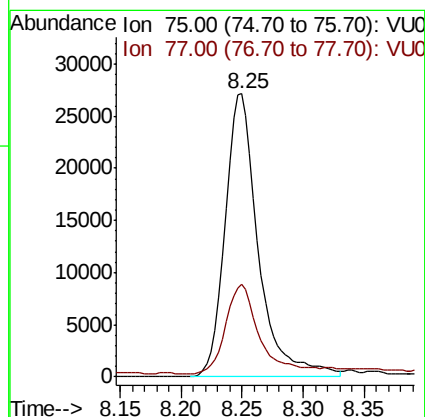
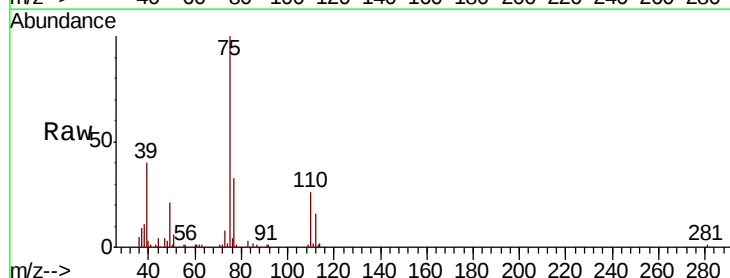
Acq: 29 Oct 2019 12:28

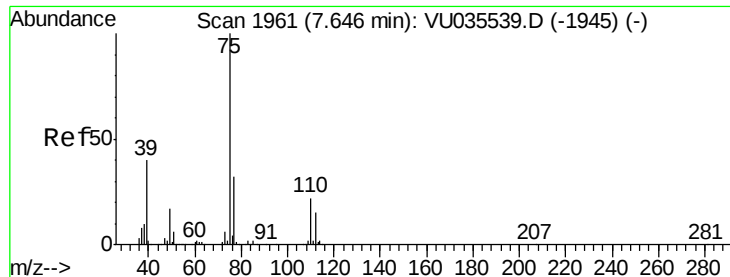
Tgt Ion: 75 Resp: 51947

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



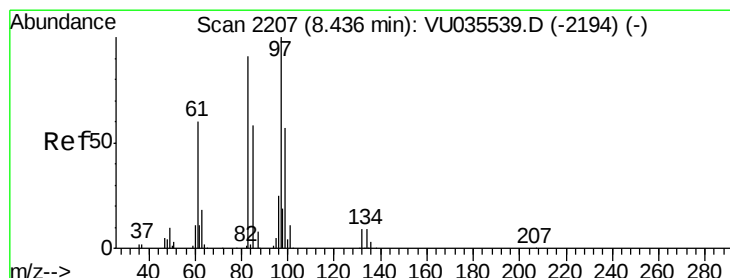
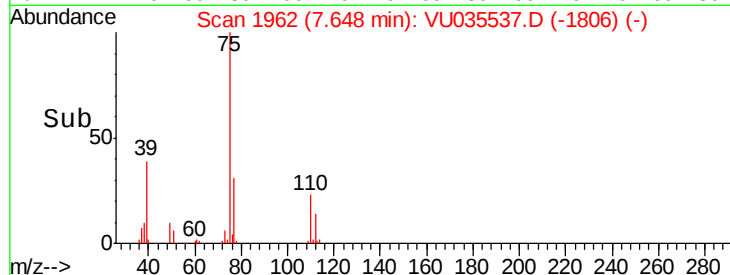
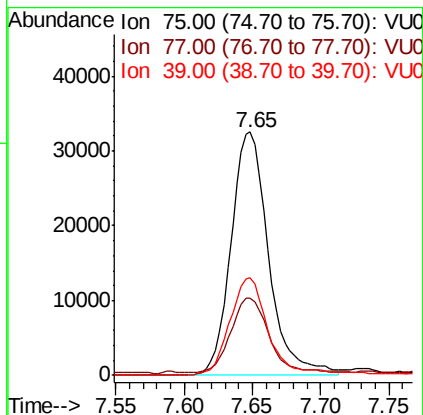
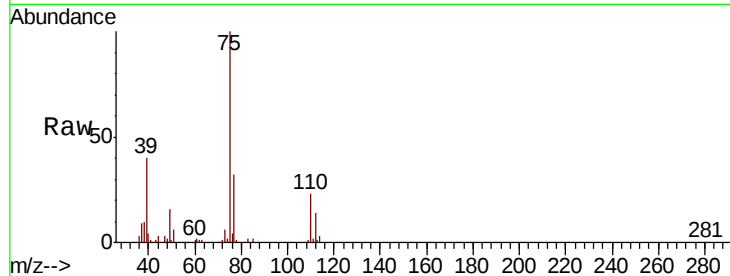


#51

cis-1,3-Dichloropropene
 Concen: 2.174 ug/l
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

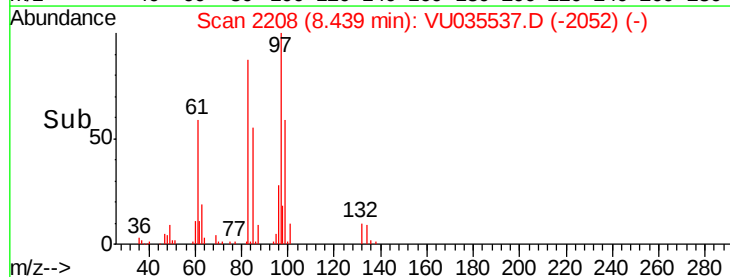
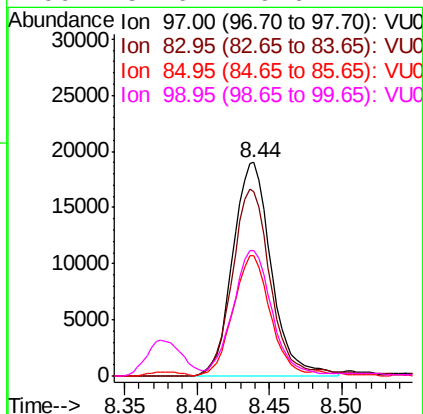
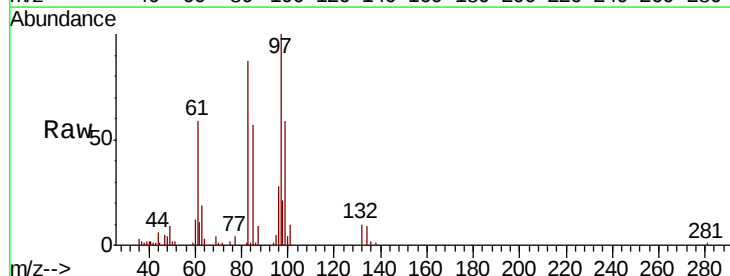
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	40.3	32.1	48.1

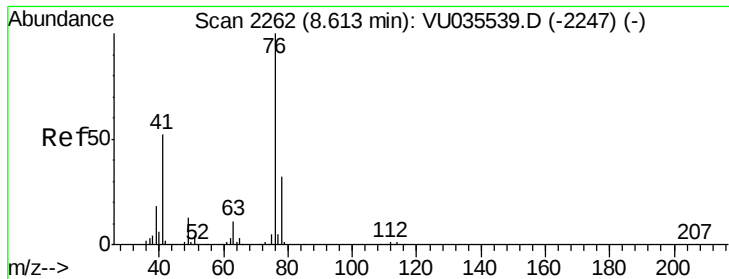


#52

1,1,2-Trichloroethane
 Concen: 2.339 ug/l
 RT: 8.44 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	72.6	108.8
85	55.9	46.4	69.6
99	57.6	49.6	74.4

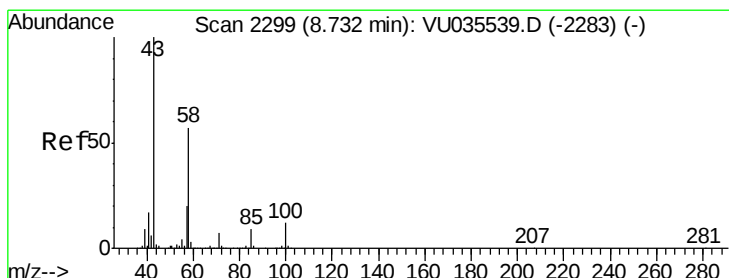
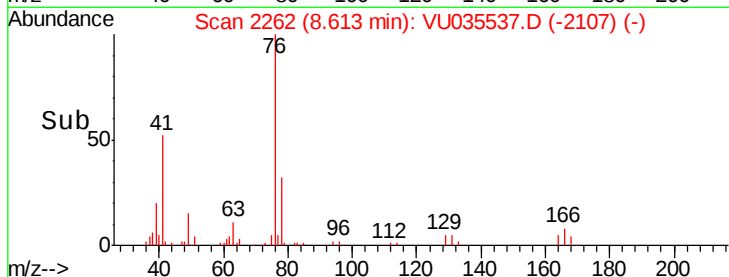
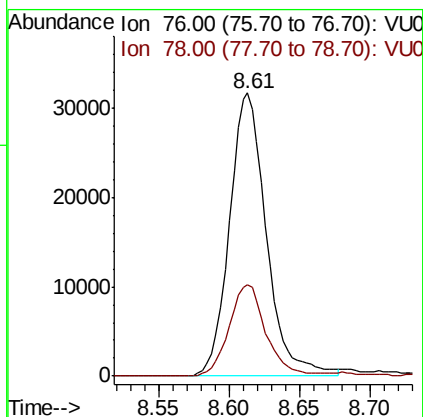
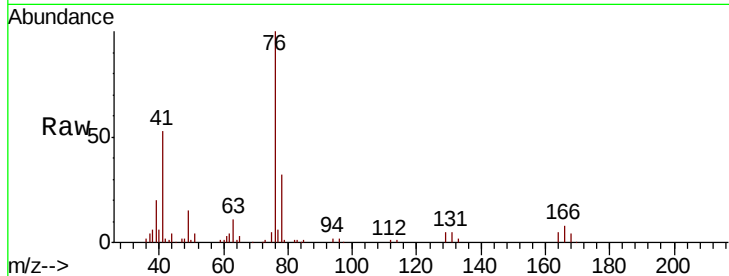




#53
 1,3-Dichloropropane
 Concen: 2.302 ug/l
 RT: 8.61 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

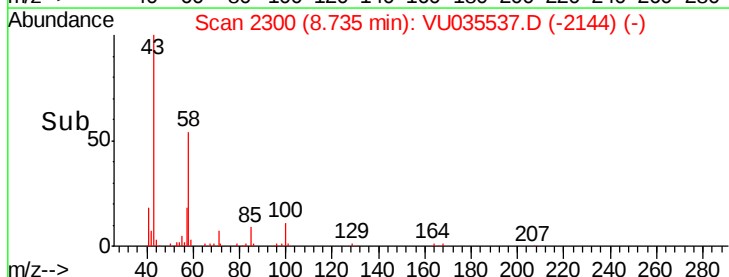
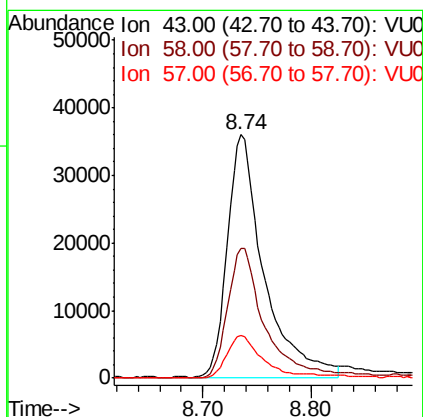
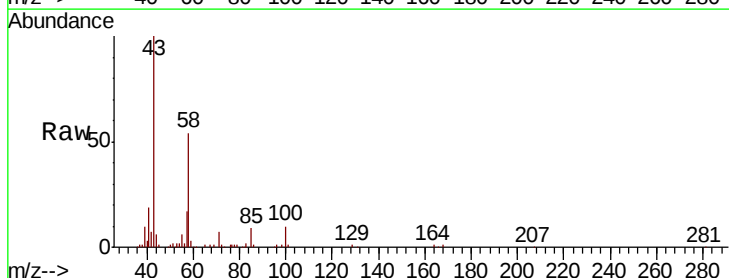
Instrument :
 MSVOA_U
 ClientSampleId :

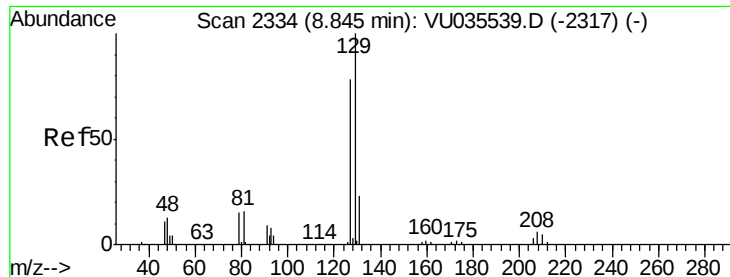
Tot Ion: 76 Resp: 58007
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#54
 2-Hexanone
 Concen: 11.326 ug/l
 RT: 8.74 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion: 43 Resp: 84560
 Ion Ratio Lower Upper
 43 100
 58 55.8 37.2 77.2
 57 16.5 0.0 39.1





#55

Dibromochloromethane

Concen: 2.324 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

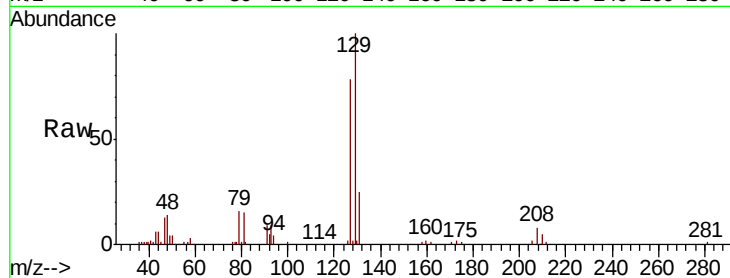
ClientSampled :

Tot Ion:129 Resp: 42481

Ion Ratio Lower Upper

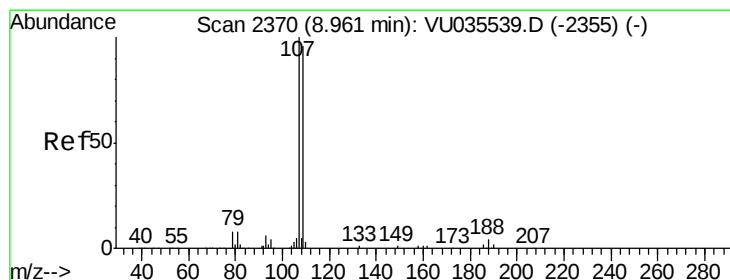
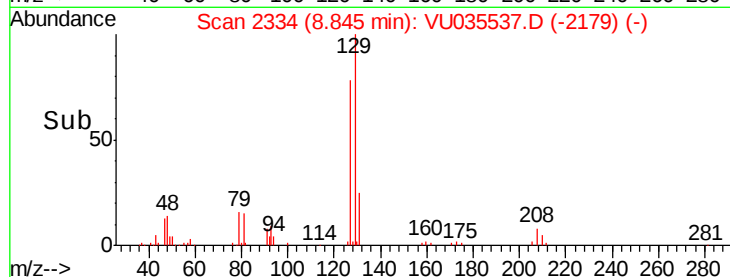
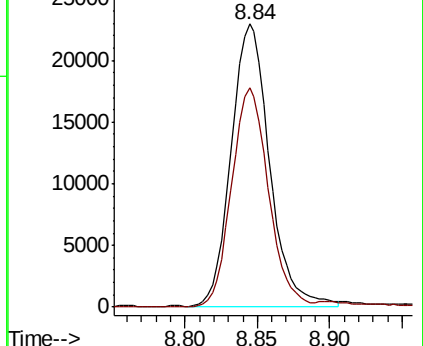
129 100

127 74.1 62.3 93.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.332 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035537.D

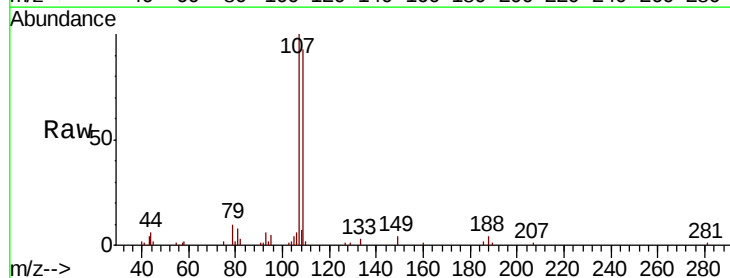
Acq: 29 Oct 2019 12:28

Tgt Ion:107 Resp: 32373

Ion Ratio Lower Upper

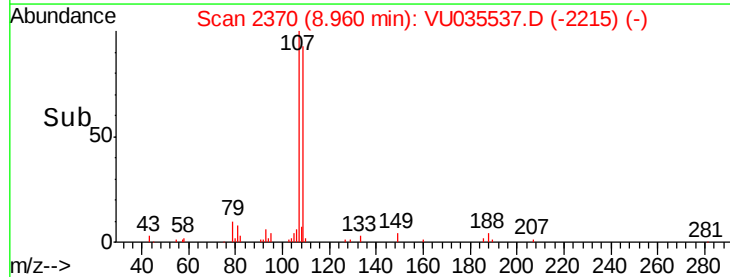
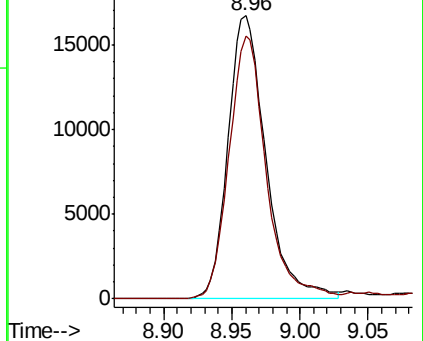
107 100

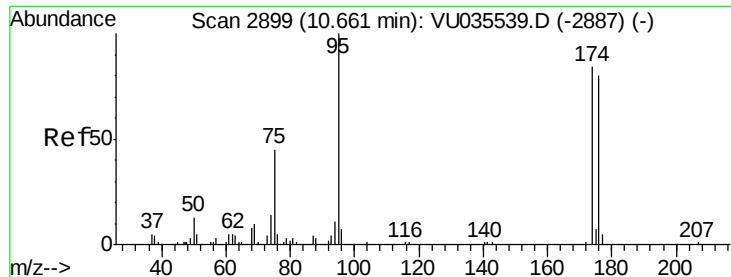
109 91.2 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

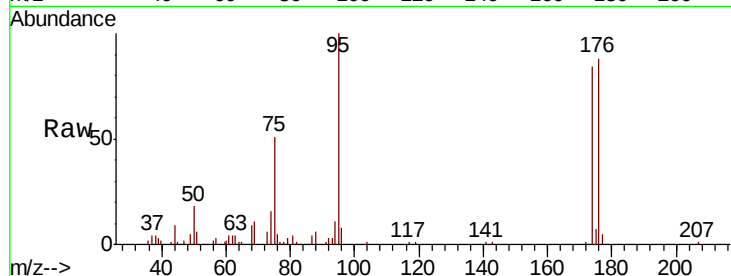




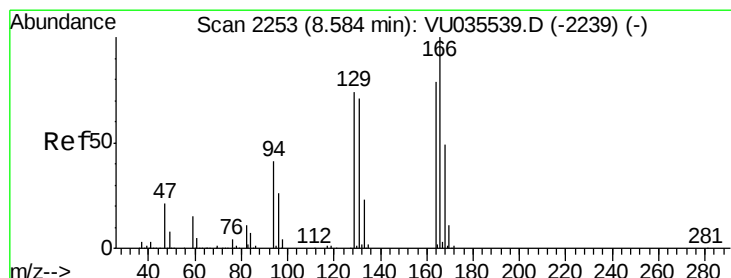
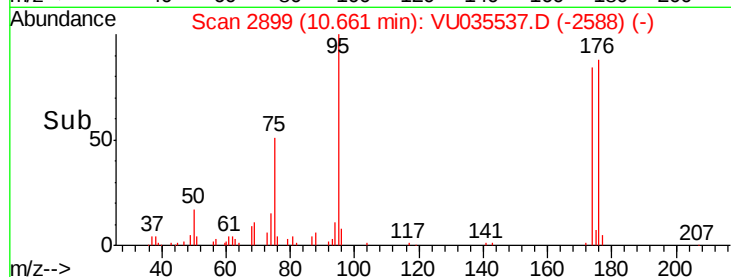
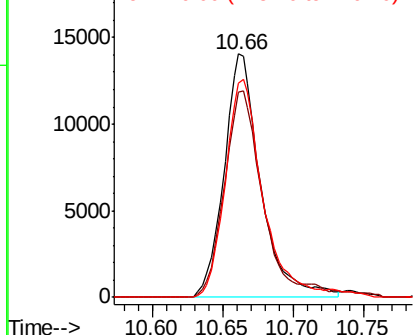
#57
4-Bromofluorobenzene
Concen: 0.928 ug/l
RT: 10.66 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 25469
Ion Ratio Lower Upper
95 100
174 85.8 70.2 105.4
176 91.1 67.7 101.5

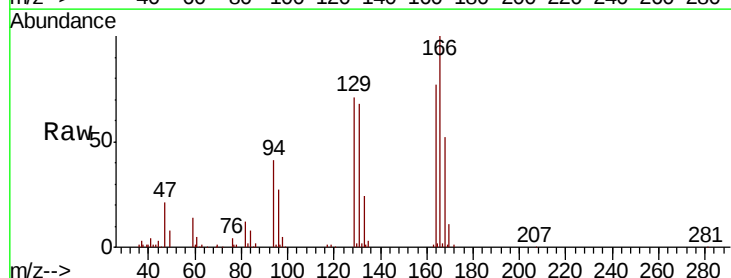


Abundance Ion 95.00 (94.70 to 95.70): VU035537.D (-2887) (-)
Ion 174.00 (173.70 to 174.70): VU035537.D (-2887) (-)
Ion 176.00 (175.70 to 176.70): VU035537.D (-2887) (-)

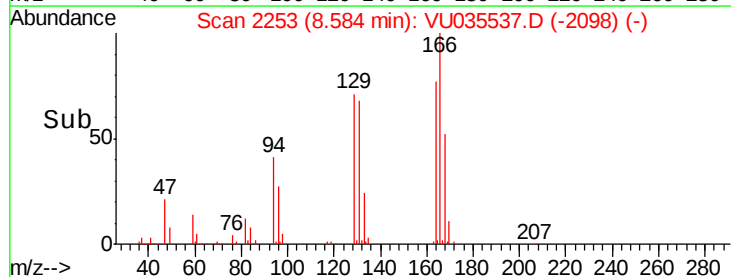
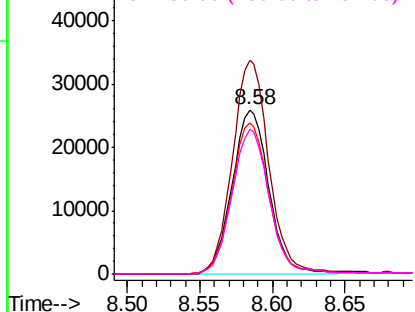


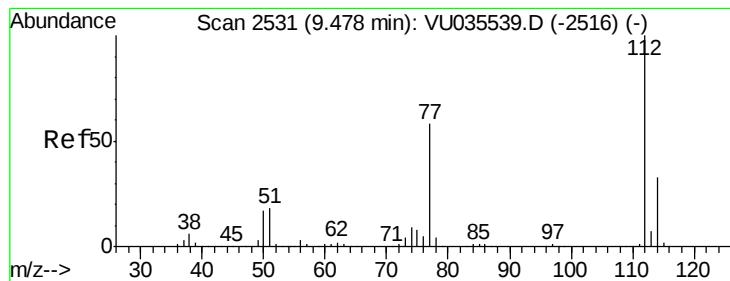
#58
Tetrachloroethene
Concen: 2.033 ug/l
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 164 Resp: 45725
Ion Ratio Lower Upper
164 100
166 130.0 100.6 151.0
129 92.3 74.1 111.1
131 88.0 71.1 106.7



Abundance Ion 163.85 (163.55 to 164.55): VU035537.D (-2239) (-)
Ion 165.80 (165.50 to 166.50): VU035537.D (-2239) (-)
Ion 128.90 (128.60 to 129.60): VU035537.D (-2239) (-)
Ion 130.90 (130.60 to 131.60): VU035537.D (-2239) (-)





#59

Chlorobenzene

Concen: 2.117 ug/l

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

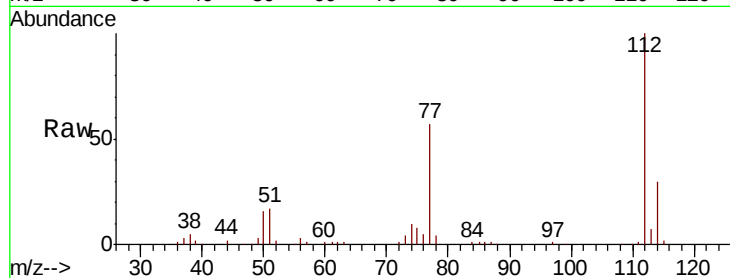
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:112 Resp: 117880

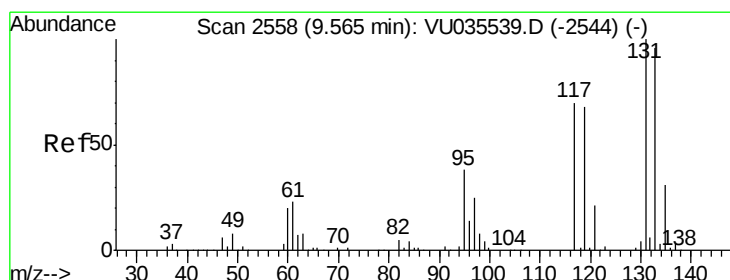
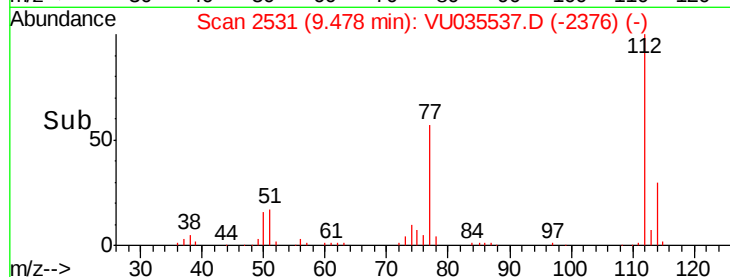
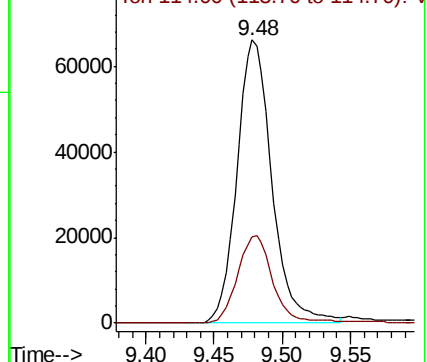
Ion Ratio Lower Upper

112 100

114 30.5 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 2.201 ug/l

RT: 9.57 min Scan# 2559

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

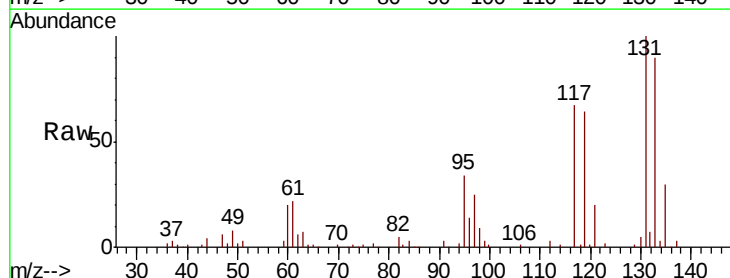
Tgt Ion:131 Resp: 45533

Ion Ratio Lower Upper

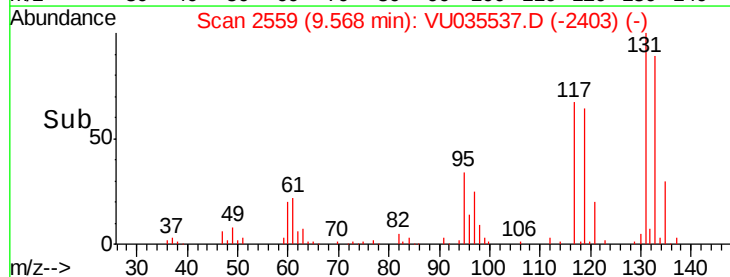
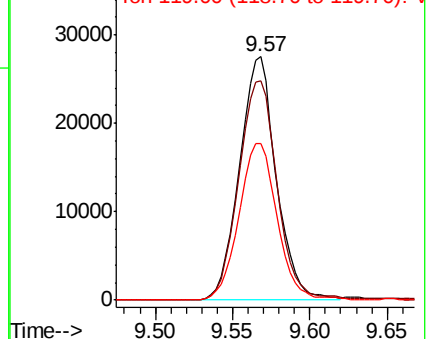
131 100

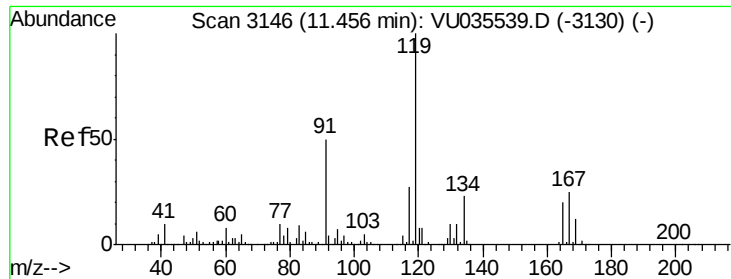
133 94.3 76.9 115.3

119 66.8 53.6 80.4



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

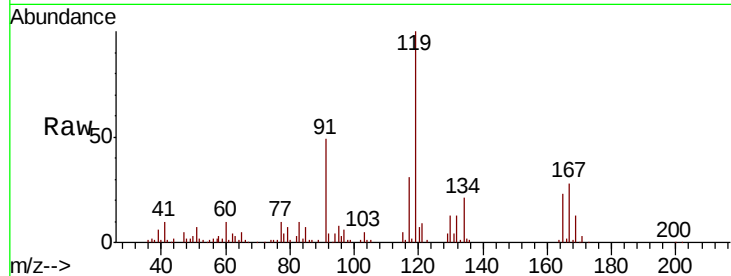




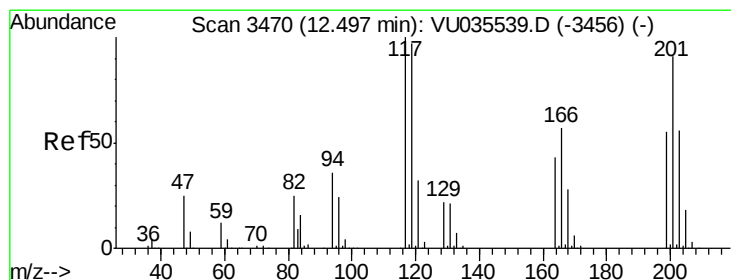
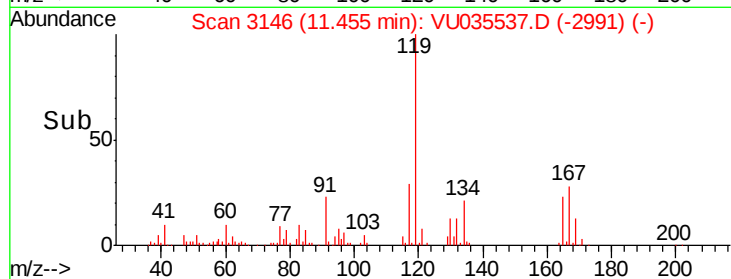
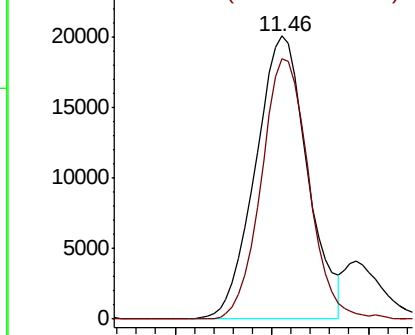
#61
Pentachloroethane
Concen: 2.224 ug/l
RT: 11.46 min Scan# 3146
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 37417
Ion Ratio Lower Upper
117 100
167 84.0 69.8 104.6

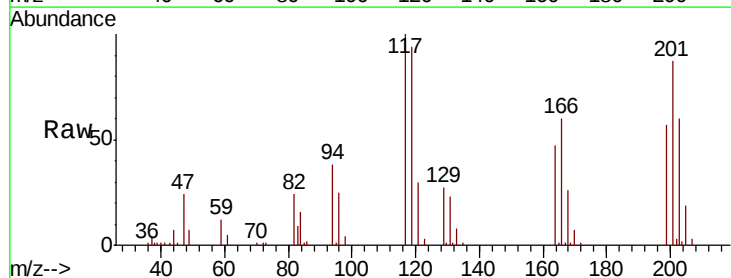


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 166.70 (166.40 to 167.40): V

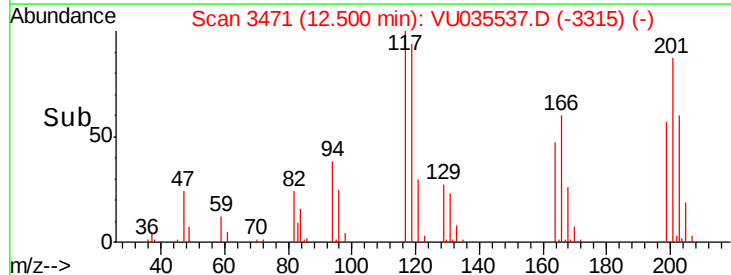
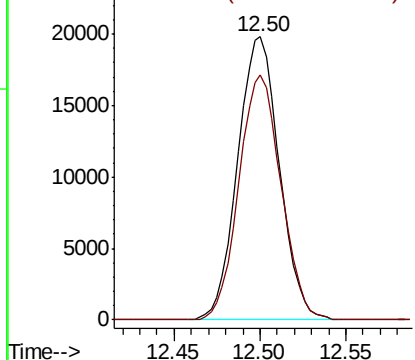


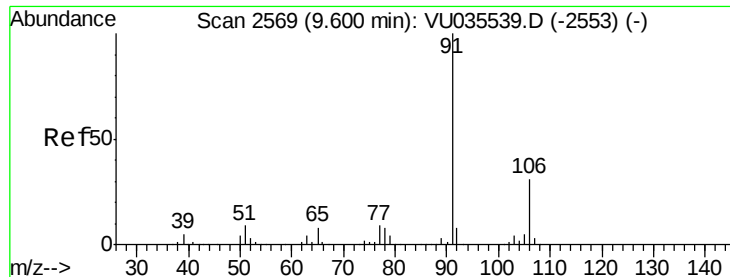
#62
Hexachloroethane
Concen: 2.223 ug/l
RT: 12.50 min Scan# 3471
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion:117 Resp: 33381
Ion Ratio Lower Upper
117 100
201 87.5 71.8 107.8



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

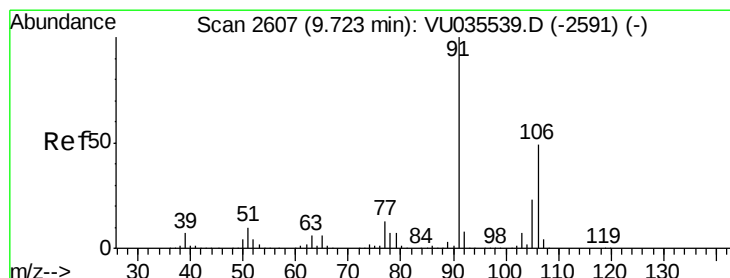
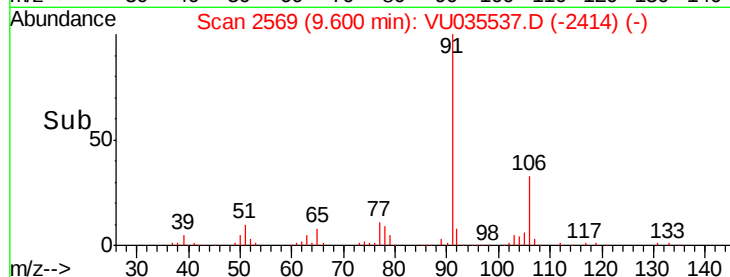
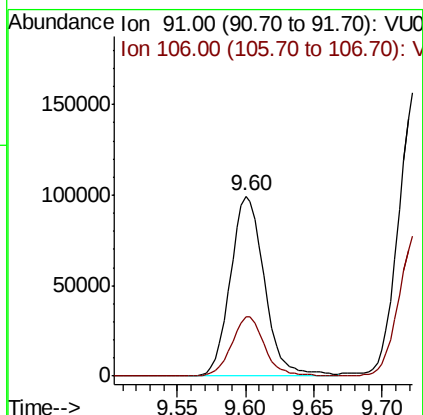
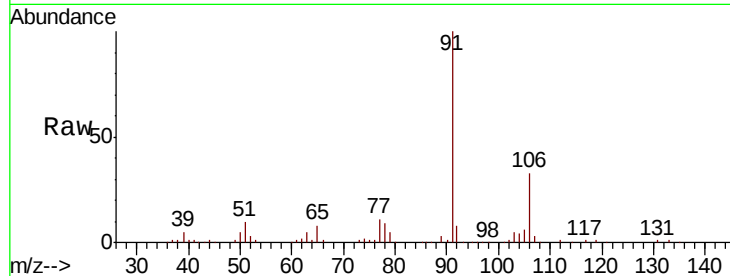




#63
Ethyl Benzene
Concen: 1.946 ug/l
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

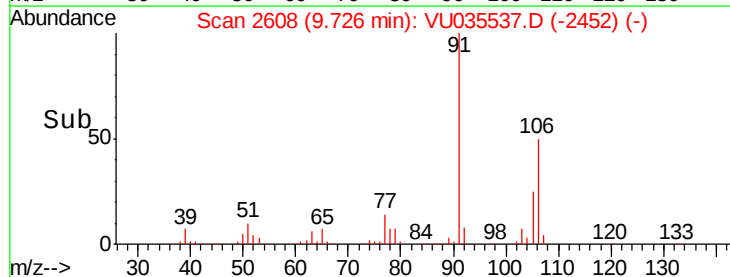
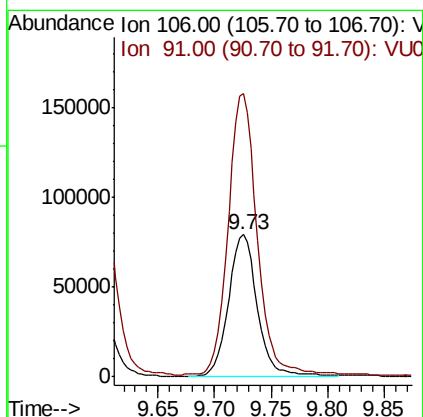
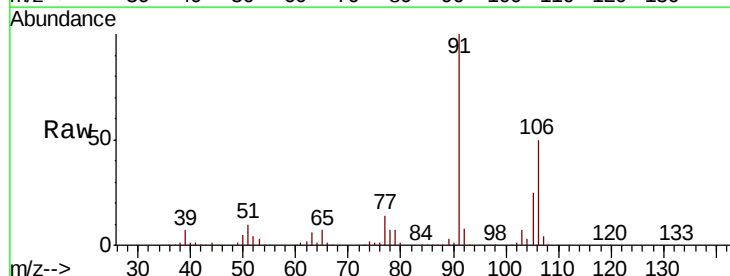
Instrument :
MSVOA_U
ClientSampled :

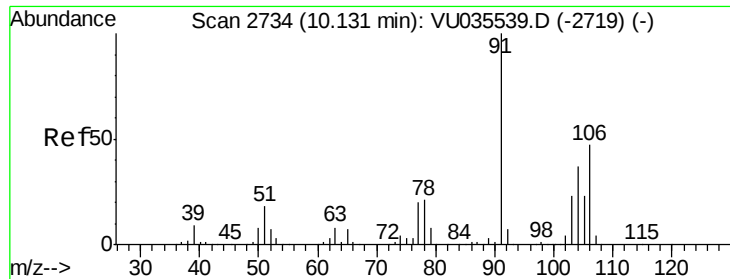
Tot Ion: 91 Resp: 172775
Ion Ratio Lower Upper
91 100
106 32.7 25.2 37.8



#64
m/p-Xylenes
Concen: 3.883 ug/l
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion: 106 Resp: 139175
Ion Ratio Lower Upper
106 100
91 201.7 81.0 121.4#

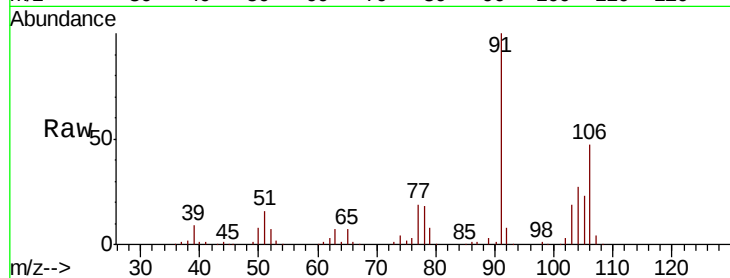




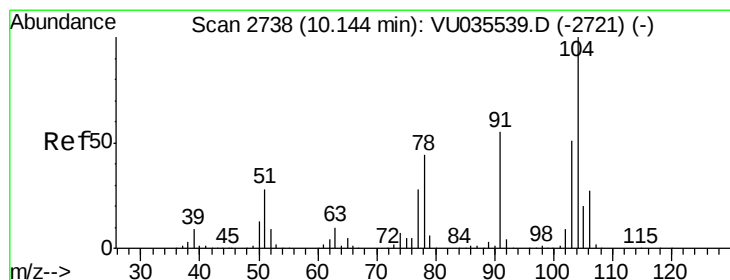
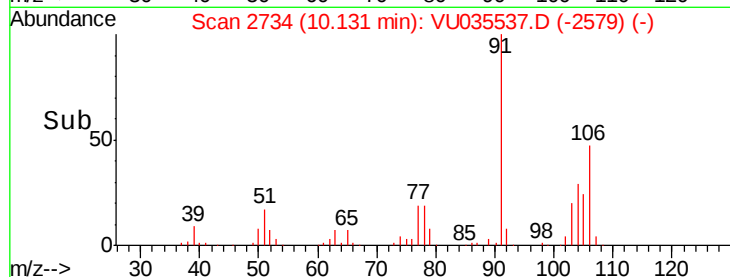
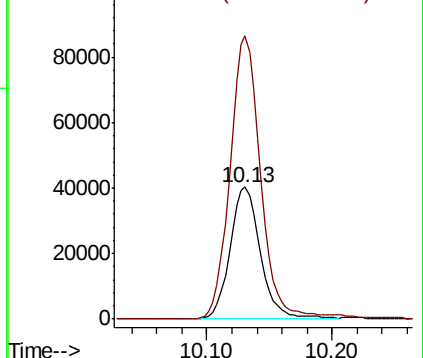
#65
o-Xylene
Concen: 1.989 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 67963
Ion Ratio Lower Upper
106 100
91 216.8 107.1 321.1

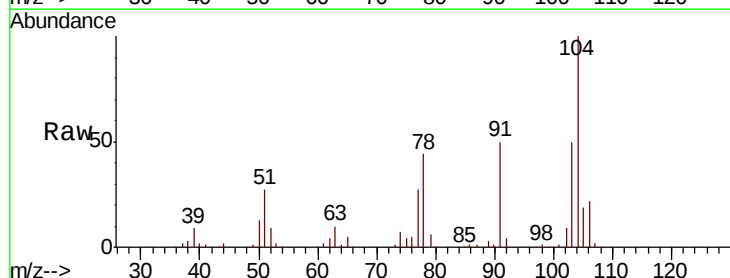


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

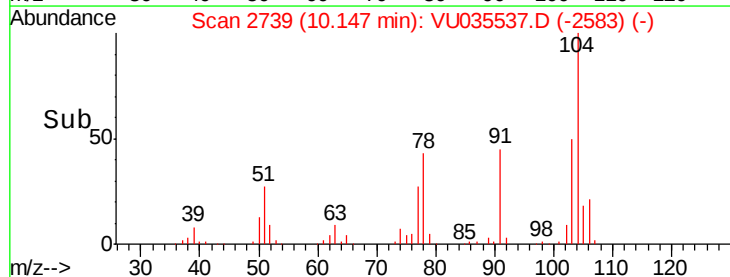
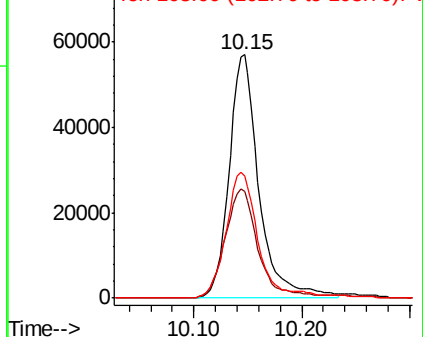


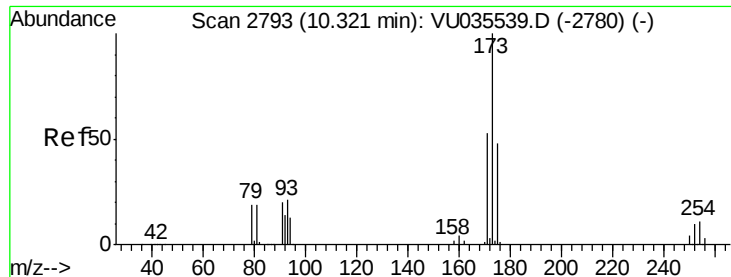
#66
Styrene
Concen: 1.910 ug/l
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035537.D
Acq: 29 Oct 2019 12:28

Tgt Ion:104 Resp: 109383
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 53.7 43.6 65.4



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: 2.374 ug/l

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

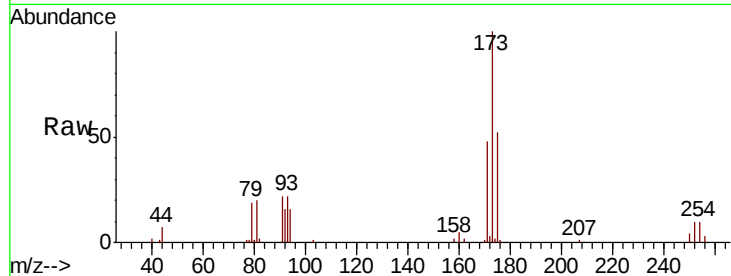
Tot Ion:173 Resp: 25863

Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 9.3 8.2 12.2

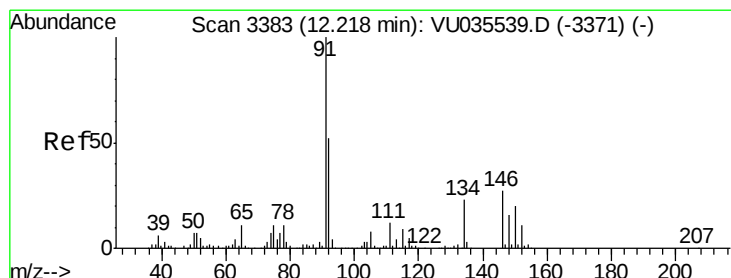
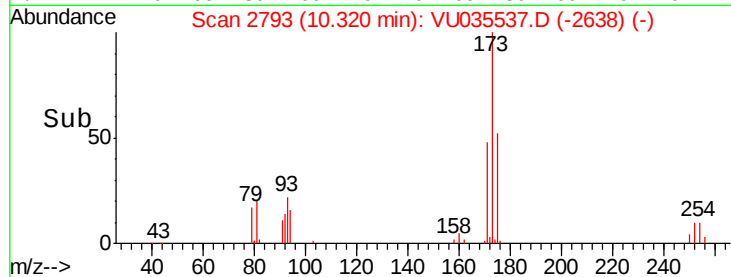
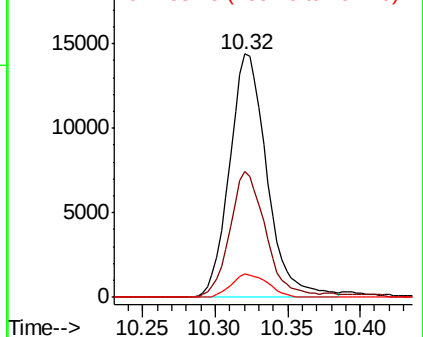


Abundance

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: 0.901 ug/l

RT: 12.22 min Scan# 3385

Delta R.T. 0.01 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

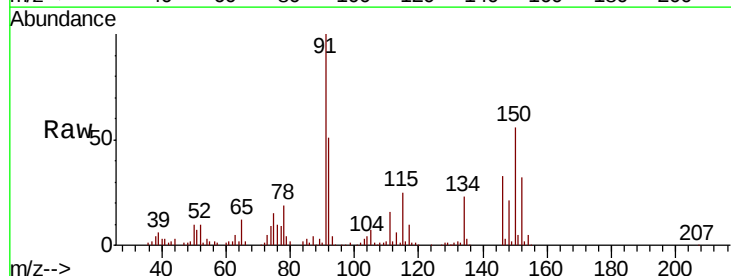
Tgt Ion:152 Resp: 26657

Ion Ratio Lower Upper

152 100

115 80.0 0.0 250.6

150 195.2 0.0 656.8

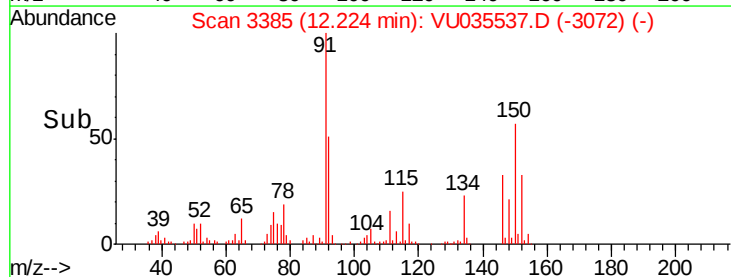
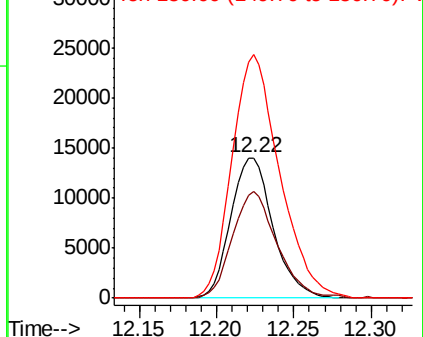


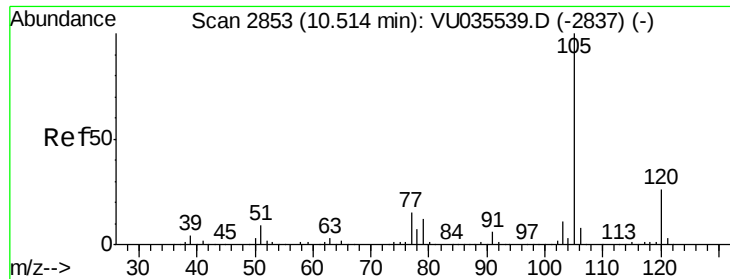
Abundance

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: 1.949 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

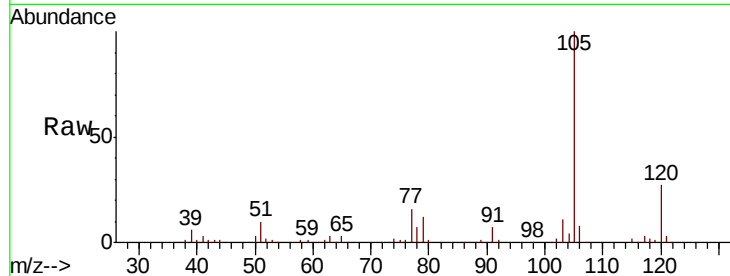
ClientSampled :

Tot Ion:105 Resp: 173916

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5

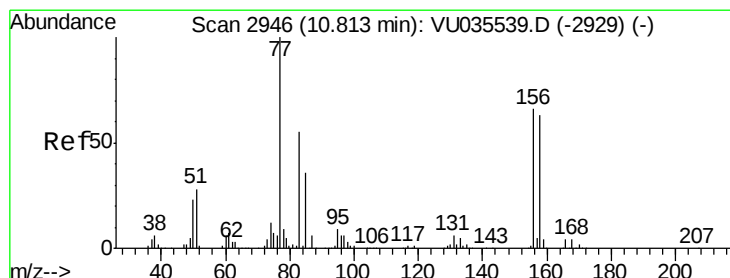
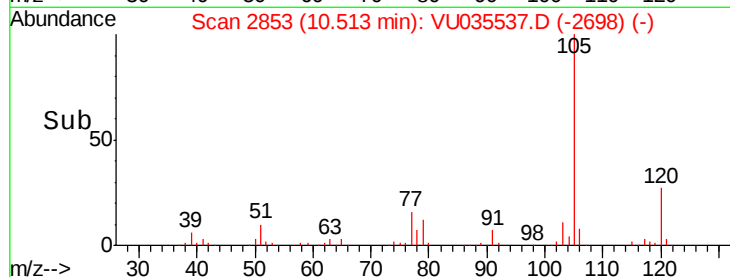


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.51

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 2.394 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

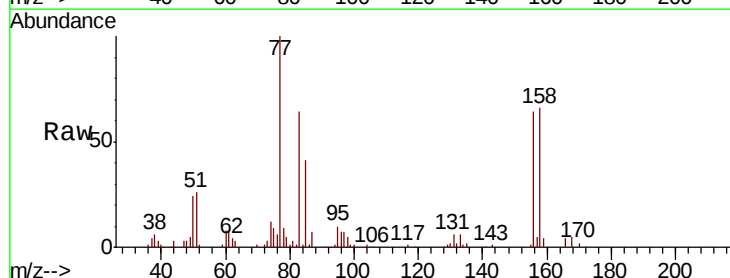
Tgt Ion: 83 Resp: 46534

Ion Ratio Lower Upper

83 100

131 9.2 0.0 0.0#

85 63.4 33.5 50.3#



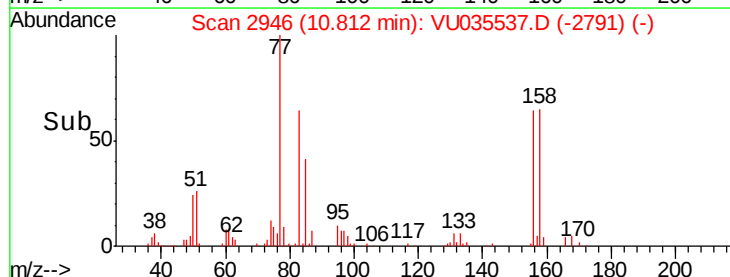
Abundance Ion 83.00 (82.70 to 83.70): VU0

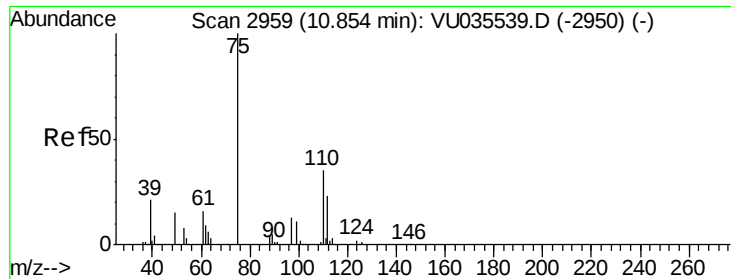
Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.81

Time-->





#71

1,2,3-Trichloropropane

Concen: 3.308 ug/l

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 44843

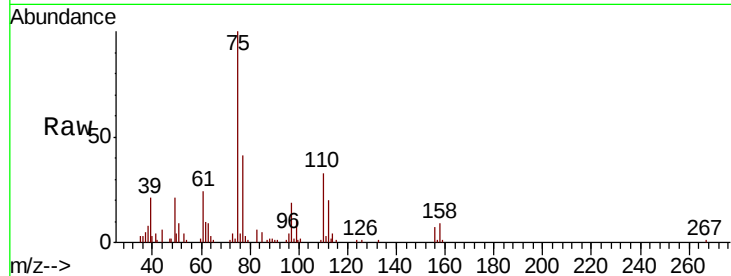
Ion Ratio Lower Upper

75 100

77 20.0 0.0 68.6

110 24.9 0.0 77.2

97 14.3 0.0 39.0

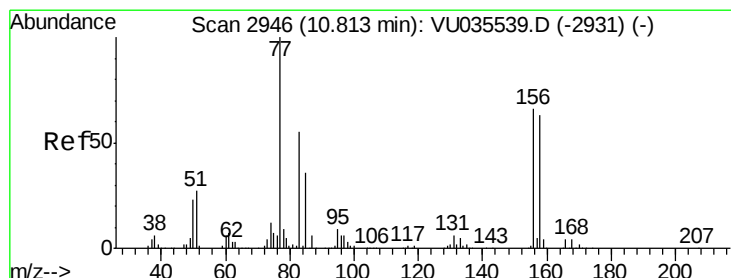
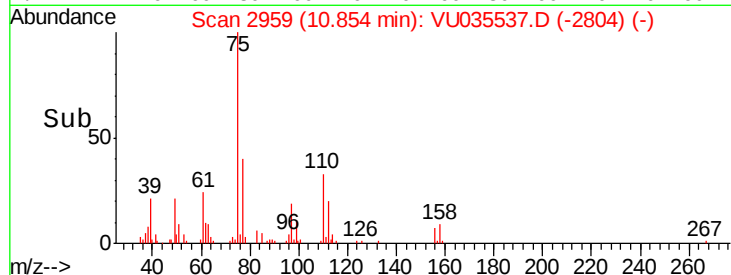
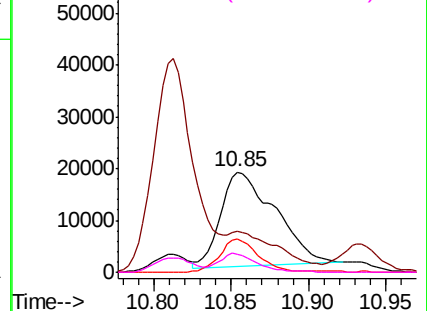


Abundance Ion 75.00 (74.70 to 75.70): VU0

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: 2.074 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

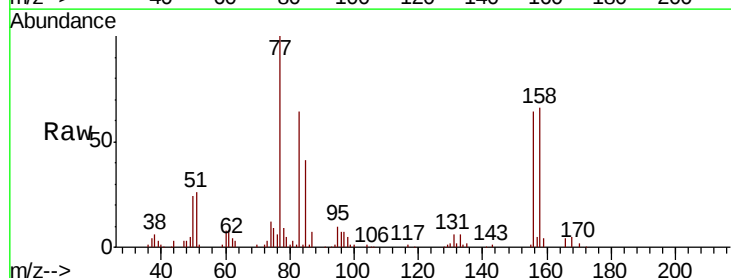
Tgt Ion: 156 Resp: 50446

Ion Ratio Lower Upper

156 100

77 147.4 0.0 300.4

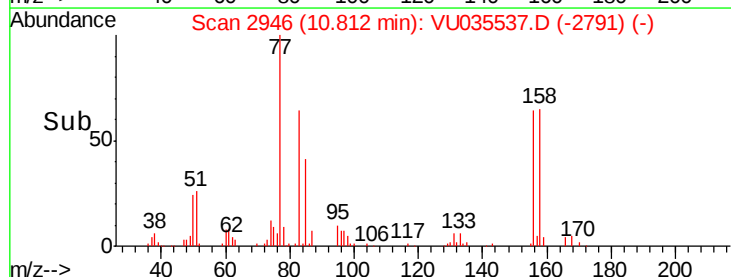
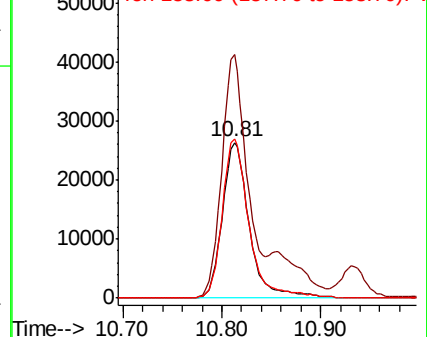
158 102.0 0.0 194.4

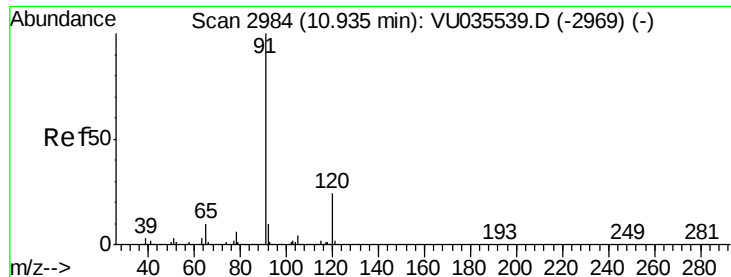


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.835 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

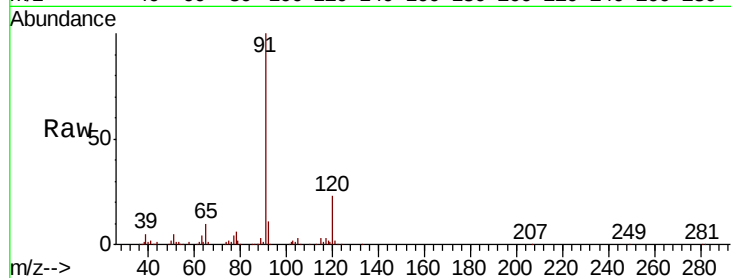
ClientSampled :

Tot Ion:120 Resp: 47212

Ion Ratio Lower Upper

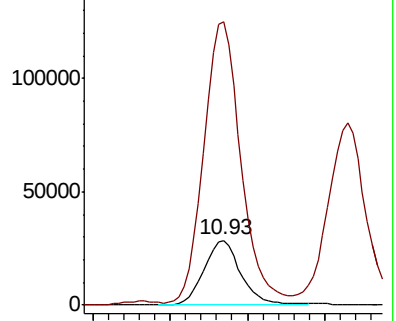
120 100

91 434.7 340.6 510.8

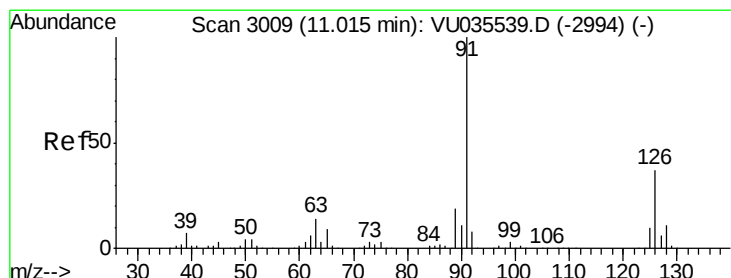
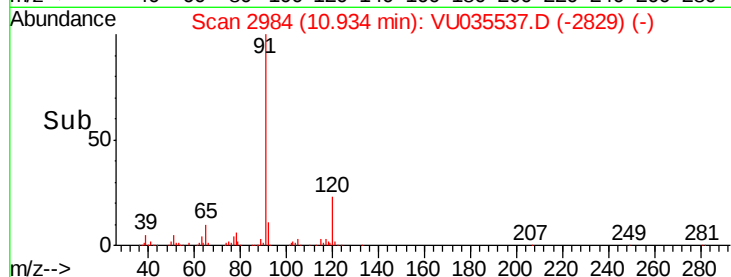


Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#74

2-Chlorotoluene

Concen: 2.059 ug/l

RT: 11.01 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035537.D

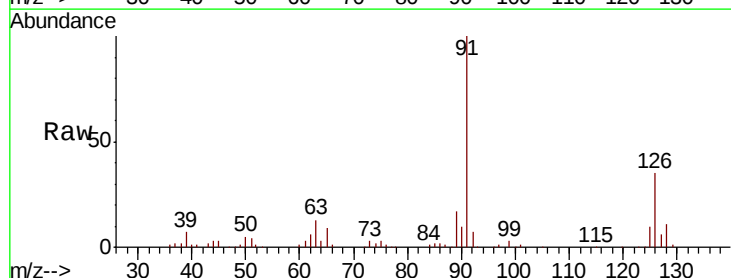
Acq: 29 Oct 2019 12:28

Tgt Ion:126 Resp: 47892

Ion Ratio Lower Upper

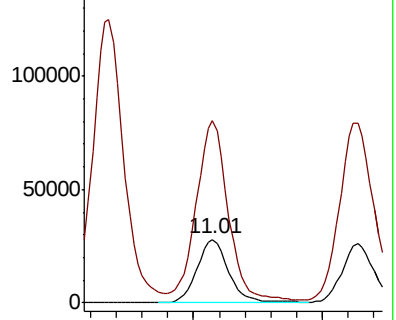
126 100

91 287.6 0.0 574.2

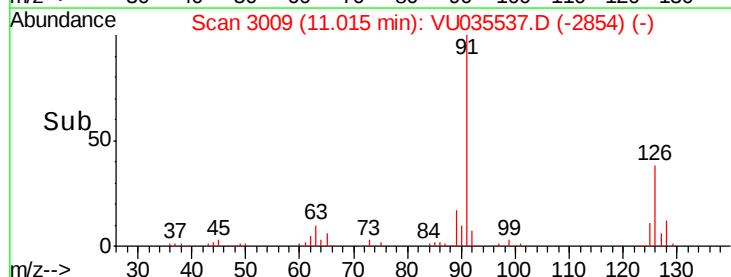


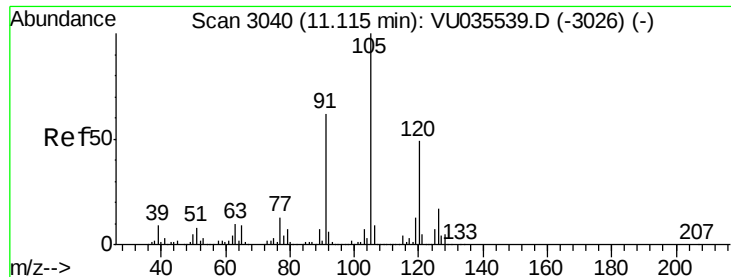
Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#75

1,3,5-Trimethylbenzene

Concen: 1.830 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

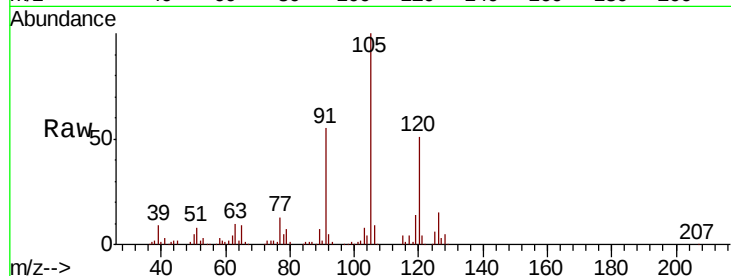
ClientSampleId :

Tot Ion:105 Resp: 144761

Ion Ratio Lower Upper

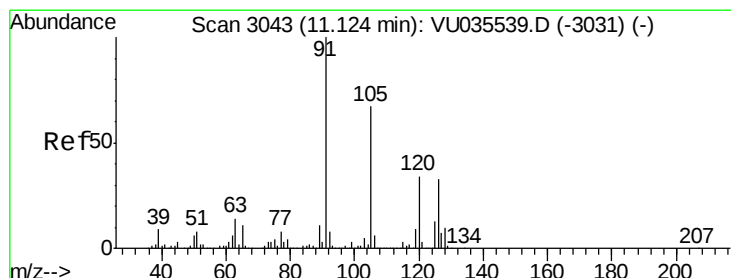
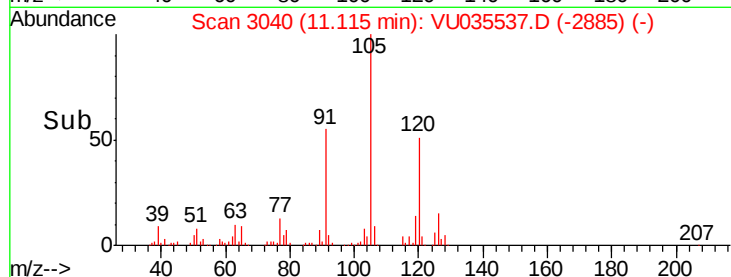
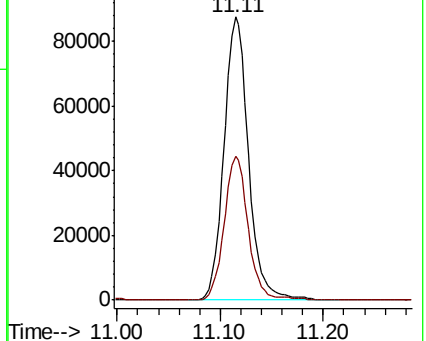
105 100

120 50.0 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.034 ug/l

RT: 11.13 min Scan# 3044

Delta R.T. 0.00 min

Lab File: VU035537.D

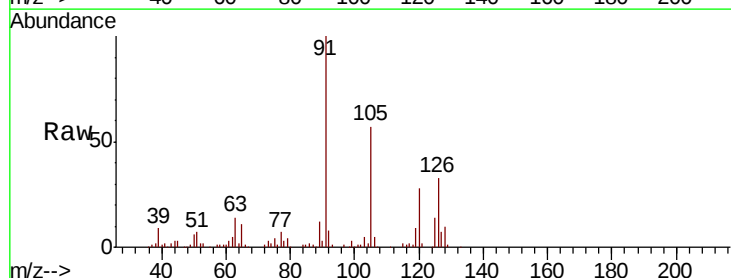
Acq: 29 Oct 2019 12:28

Tgt Ion:126 Resp: 48264

Ion Ratio Lower Upper

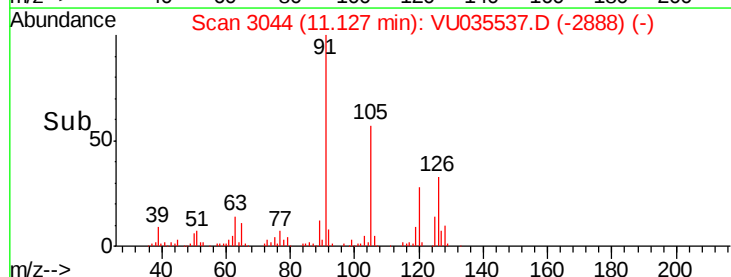
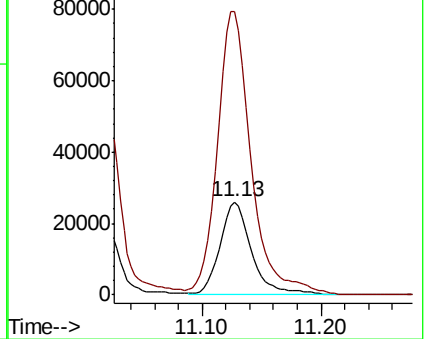
126 100

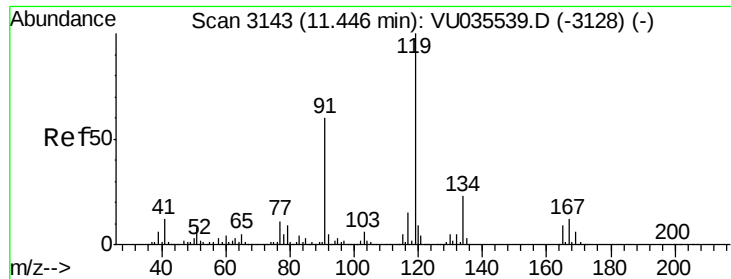
91 321.3 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

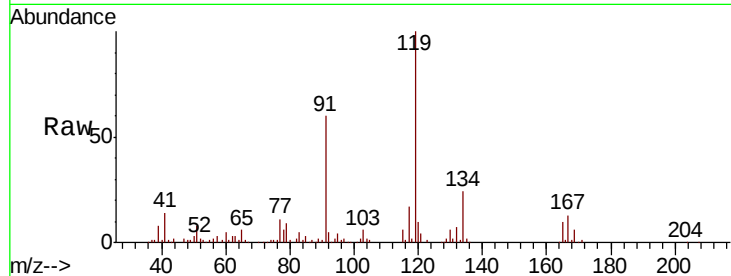




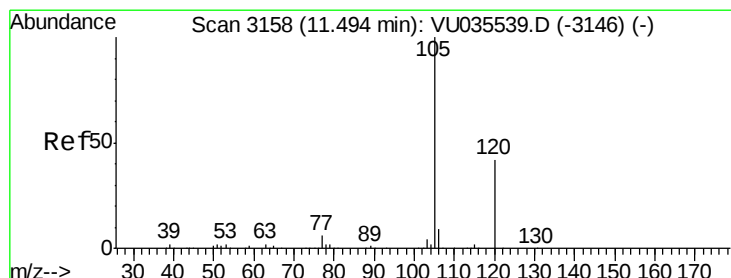
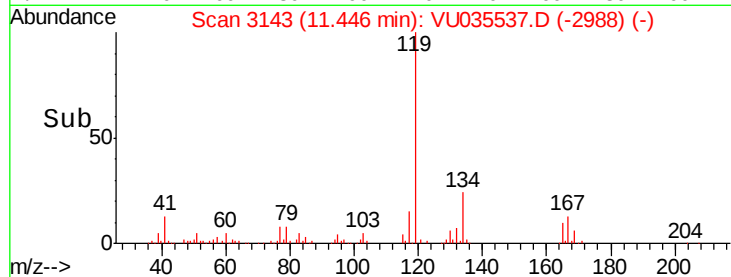
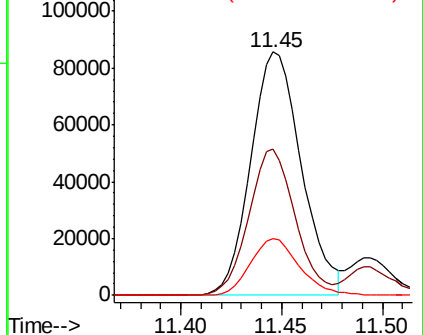
#77
 tert-Butylbenzene
 Concen: 1.944 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:119 Resp: 150245
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.9 83.7
 134 22.8 18.3 27.5

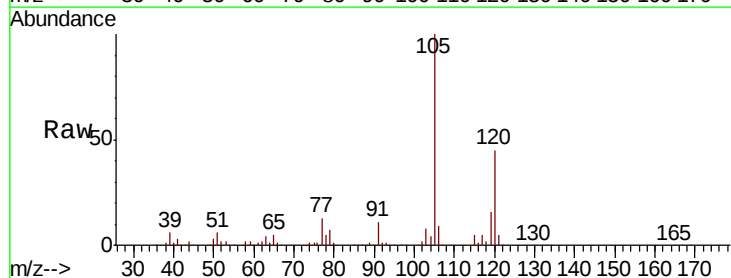


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

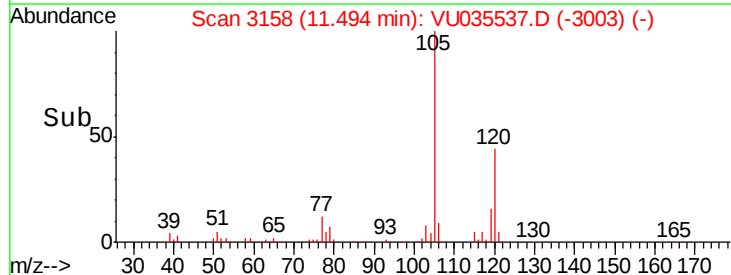
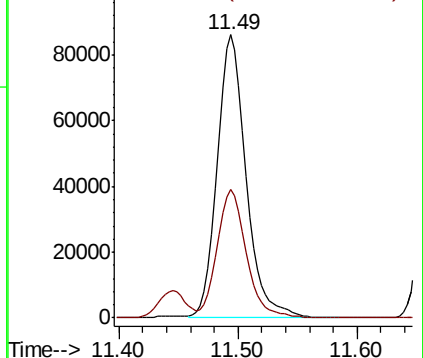


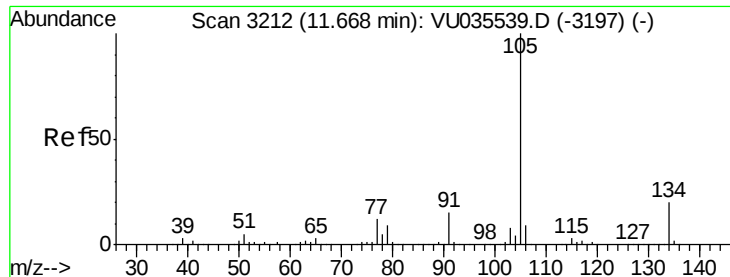
#78
 1,2,4-Trimethylbenzene
 Concen: 1.812 ug/l
 RT: 11.49 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion:105 Resp: 144786
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.5



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





#79

sec-Butylbenzene

Concen: 1.839 ug/l

RT: 11.67 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

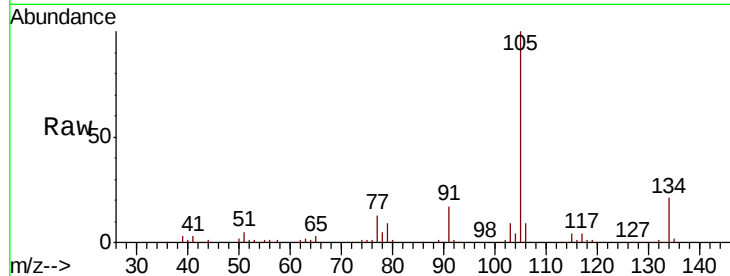
ClientSampled :

Tot Ion:105 Resp: 190414

Ion Ratio Lower Upper

105 100

134 20.5 15.9 23.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

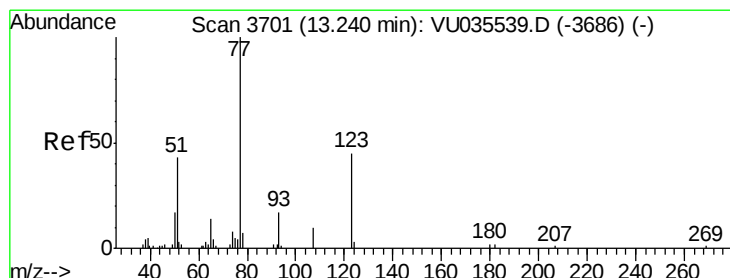
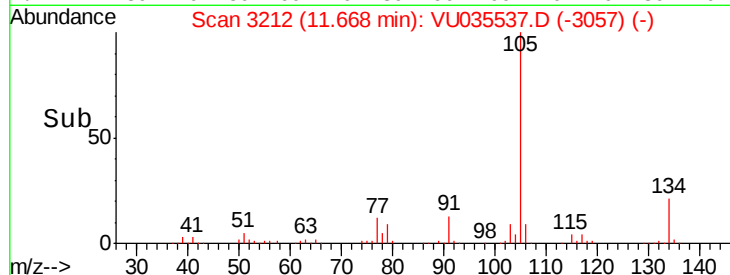
11.67

100000

50000

0

Time-->



#80

Nitrobenzene

Concen: 7.443 ug/l

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

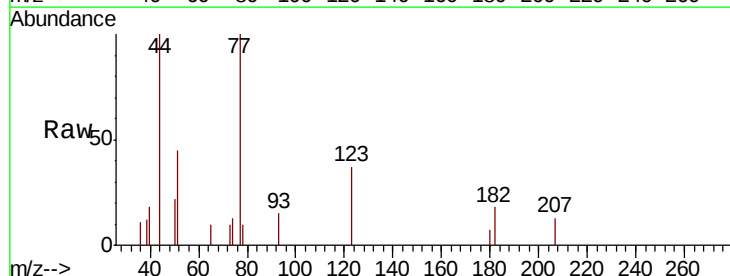
Tgt Ion: 77 Resp: 2958

Ion Ratio Lower Upper

77 100

123 36.9 18.9 67.1

65 9.1 11.2 14.2#



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

2000

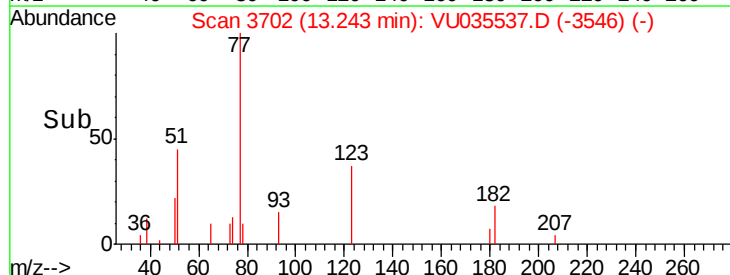
1500

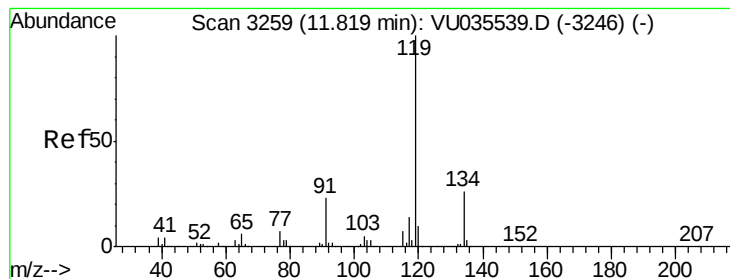
1000

500

0

Time-->





#81

p-Isopropyltoluene

Concen: 1.748 ug/l

RT: 11.82 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

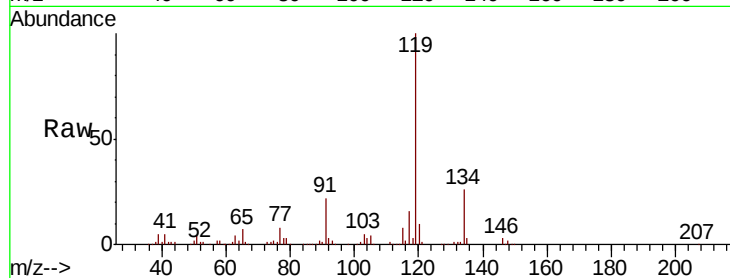
Tot Ion:119 Resp: 149918

Ion Ratio Lower Upper

119 100

134 26.5 17.0 25.4#

91 22.4 41.3 61.9#

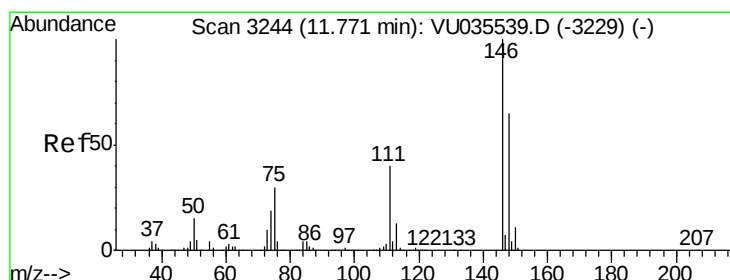
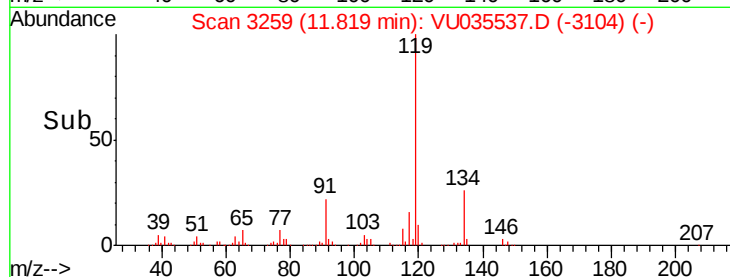
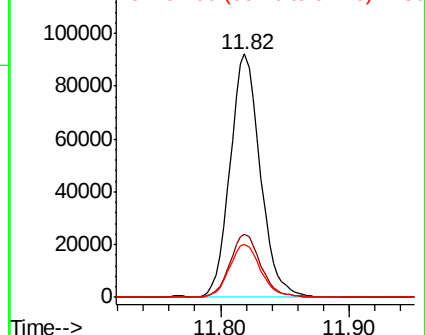


Abundance

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: 1.940 ug/l

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

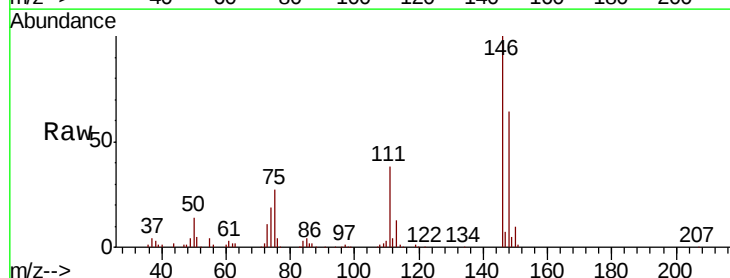
Tgt Ion:146 Resp: 97047

Ion Ratio Lower Upper

146 100

111 38.8 31.8 47.6

148 64.1 50.9 76.3

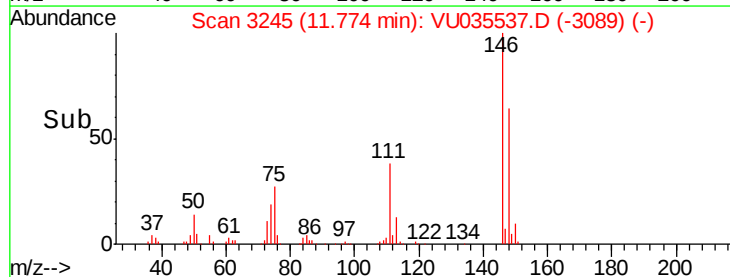
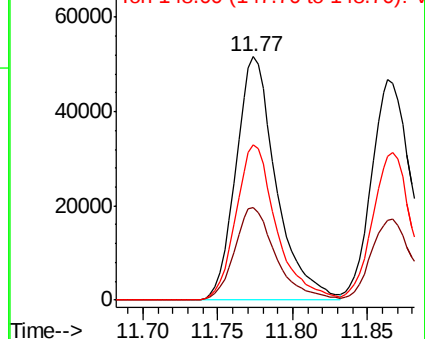


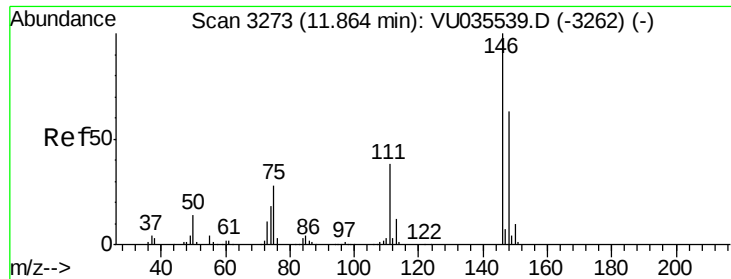
Abundance

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

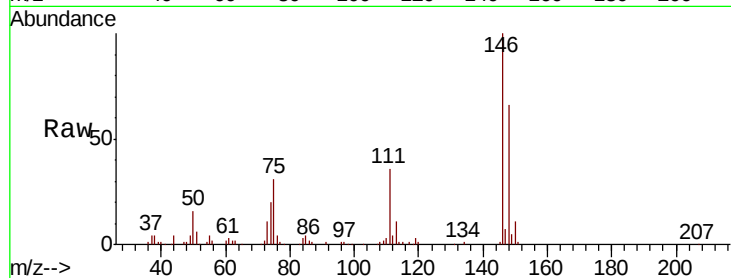




#83
 1,4-Dichlorobenzene
 Concen: 1.851 ug/l
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	30.1	45.1
148	65.1	51.0	76.4

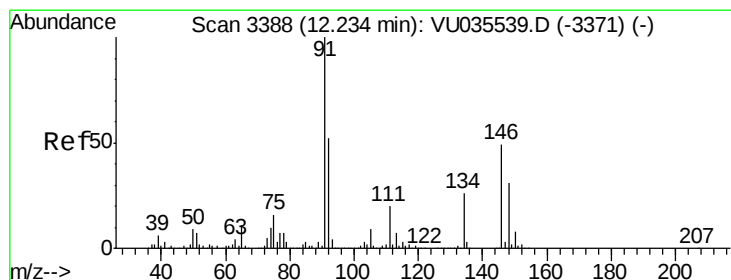
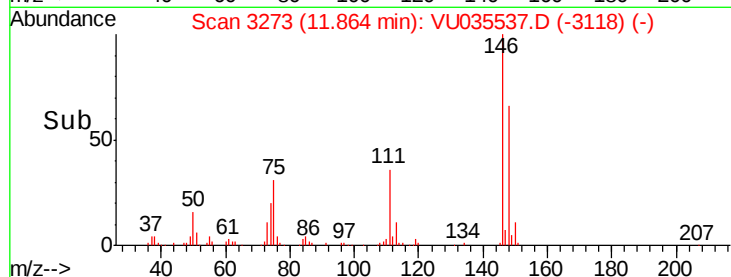
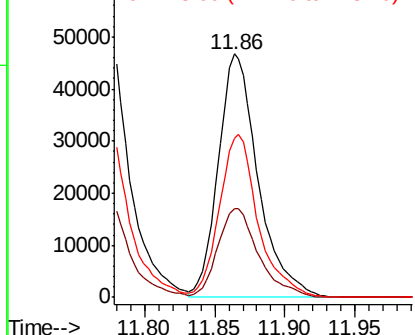


Abundance

Ion 146.00 (145.70 to 146.70): V

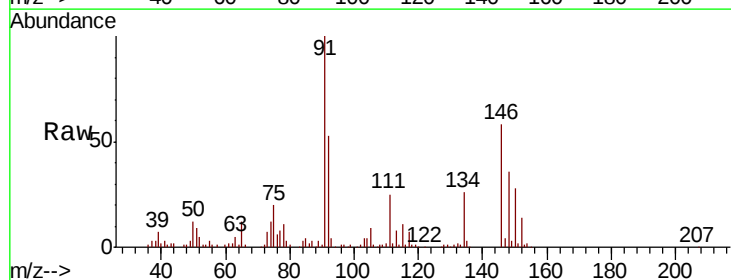
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
 n-Butylbenzene
 Concen: 1.498 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	41.4	62.0
134	25.4	20.6	30.8

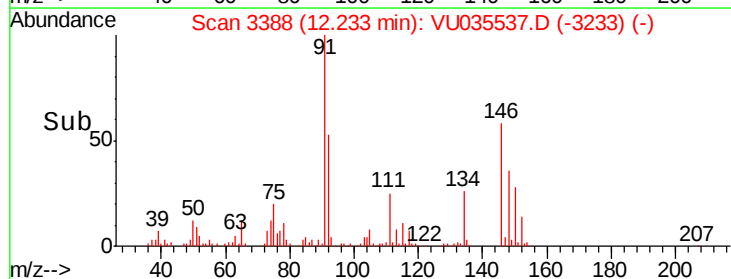
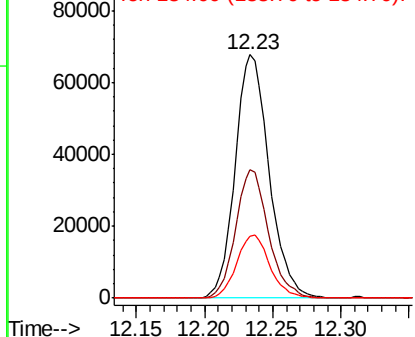


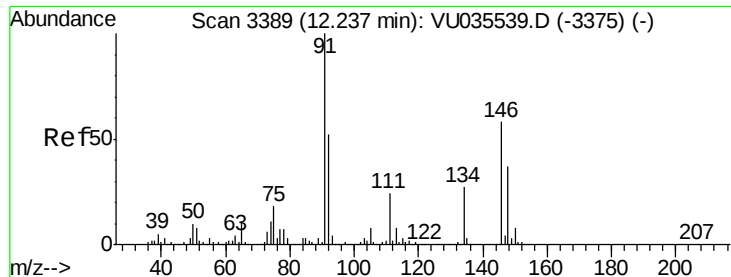
Abundance

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: 1.965 ug/l

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

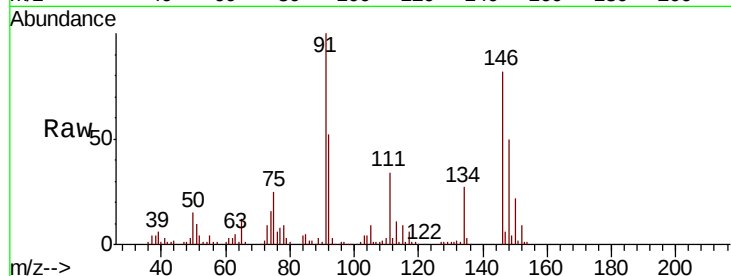
Tot Ion:146 Resp: 89650

Ion Ratio Lower Upper

146 100

111 41.2 20.5 61.5

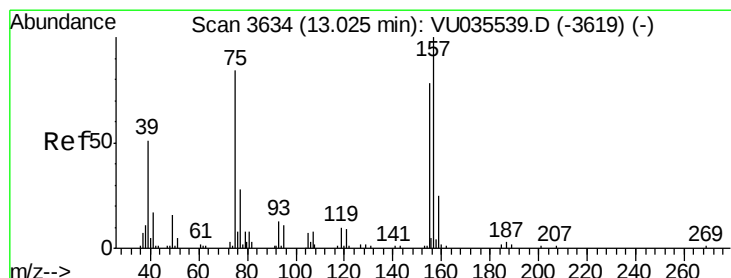
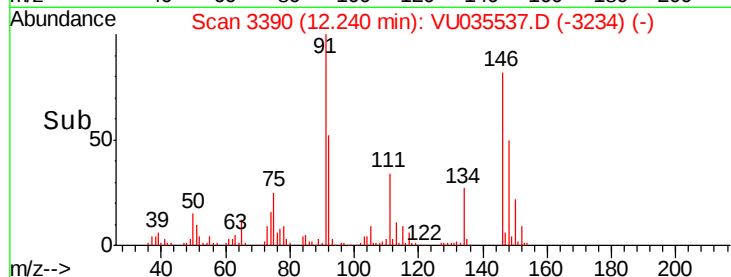
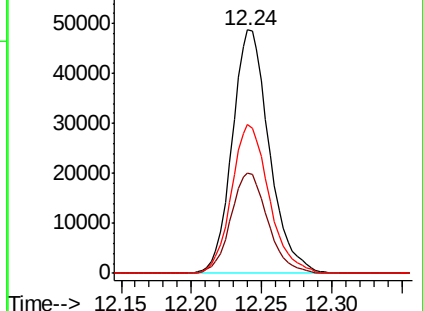
148 61.9 32.0 96.2



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: 2.174 ug/l

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

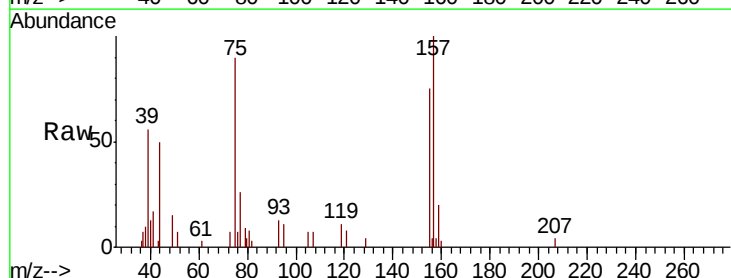
Tgt Ion: 75 Resp: 5568

Ion Ratio Lower Upper

75 100

155 90.9 71.3 106.9

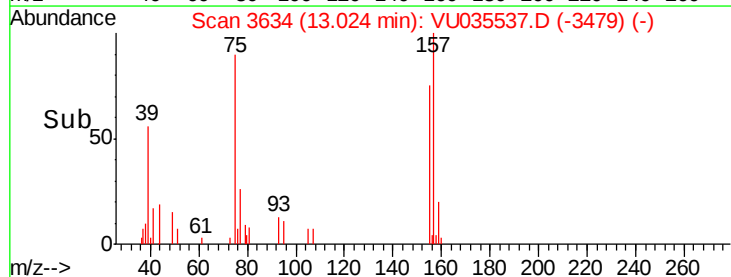
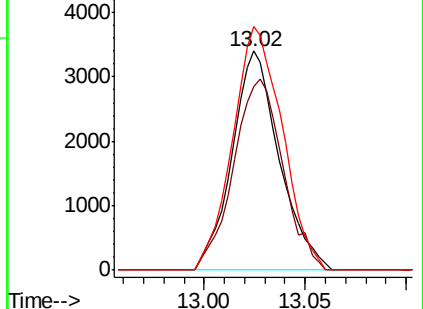
157 116.7 91.2 136.8

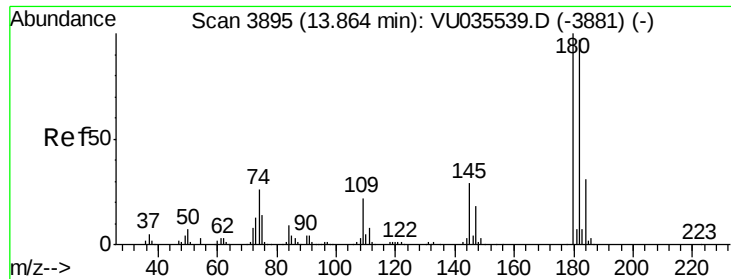


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

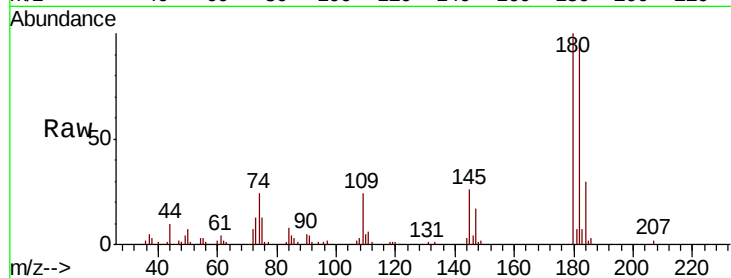




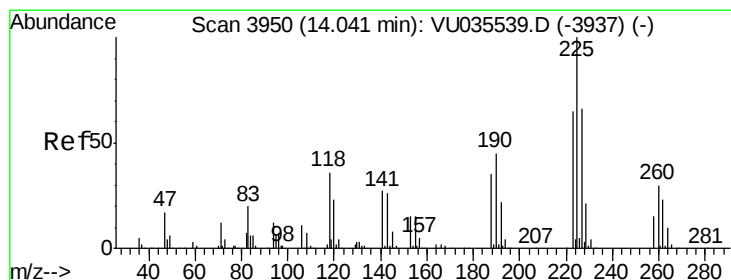
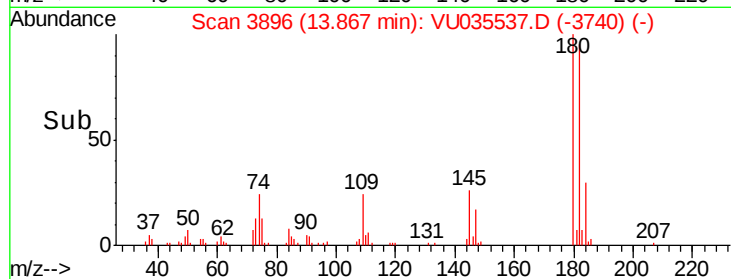
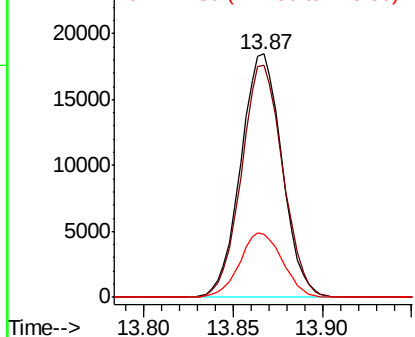
#87
 1,2,4-Trichlorobenzene
 Concen: 1.198 ug/l
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 29771
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.0
 145 27.5 22.6 33.8

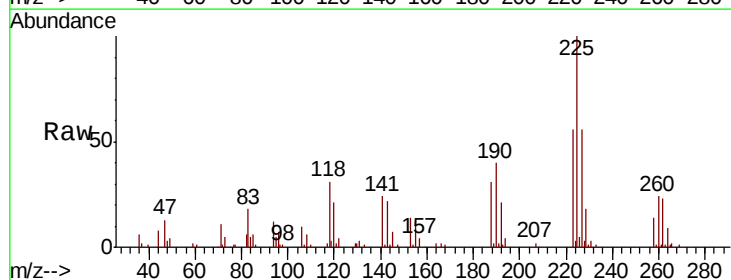


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

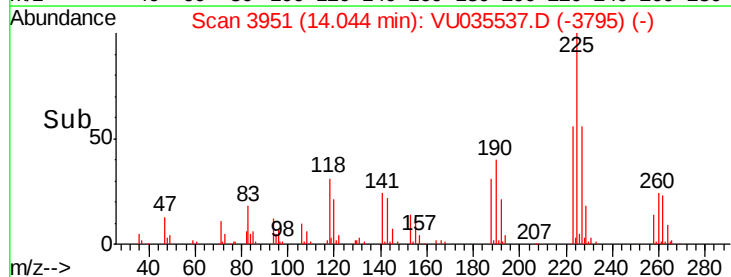
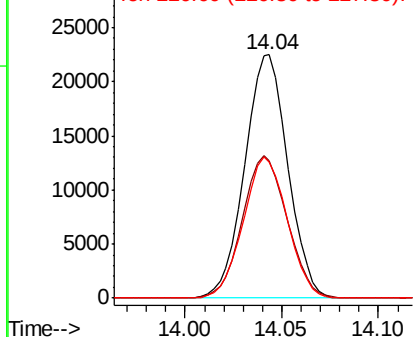


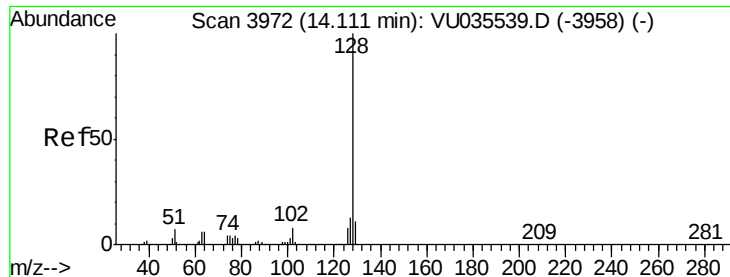
#88
 Hexachlorobutadiene
 Concen: 1.795 ug/l
 RT: 14.04 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VU035537.D
 Acq: 29 Oct 2019 12:28

Tgt Ion:225 Resp: 34845
 Ion Ratio Lower Upper
 225 100
 223 60.7 50.7 76.1
 227 59.0 52.2 78.4



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.038 ug/l

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

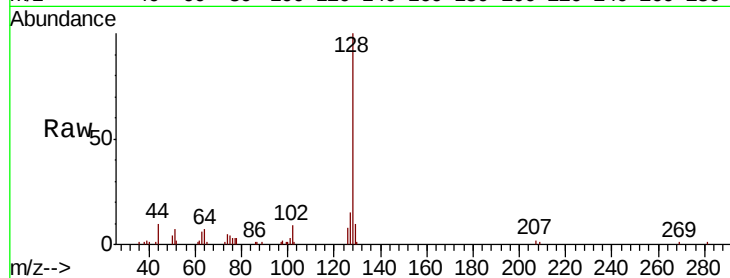
Tot Ion:128 Resp: 33733

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

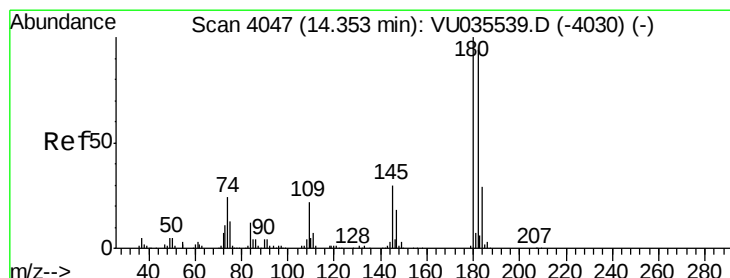
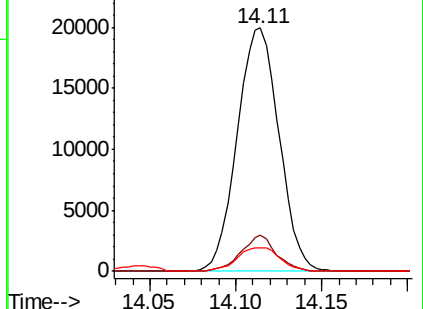
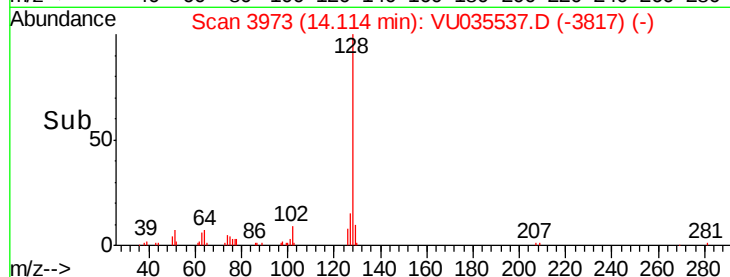
129 10.0 8.6 13.0



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: 1.329 ug/l

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035537.D

Acq: 29 Oct 2019 12:28

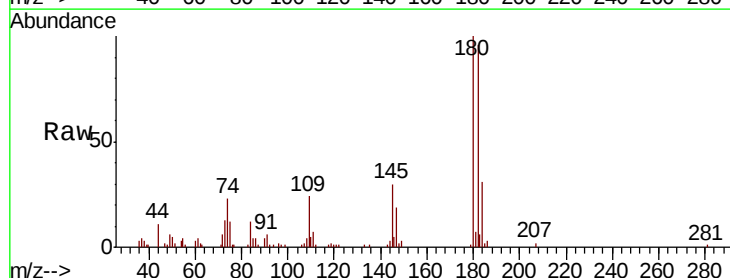
Tgt Ion:180 Resp: 30732

Ion Ratio Lower Upper

180 100

182 91.3 75.8 113.8

145 28.4 23.7 35.5



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

