

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012320\
 Data File : VU036543.D
 Acq On : 23 Jan 2020 17:01
 Operator : JC/MD
 Sample : VU0123WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 24 00:53:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	34826	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	12935	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13216	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	23783	2.066	ug/l 99
3) Chloromethane	1.54	50	26163	2.120	ug/l 97
4) Vinyl Chloride	1.62	62	28247	2.021	ug/l 98
5) Bromomethane	1.88	94	17230	1.984	ug/l 99
6) Chloroethane	1.95	64	16763	2.024	ug/l 97
7) Trichlorofluoromethane	2.16	101	27990	2.027	ug/l 96
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17339	2.015	ug/l 97
9) 1,1-Dichloroethene	2.61	96	18381	2.007	ug/l 98
10) Iodomethane	2.75	142	15007	1.759	ug/l 99
11) Allyl Chloride	2.95	41	24581	1.941	ug/l 94
12) Acrylonitrile	3.37	53	9139	4.069	ug/l 93
13) Acetone	2.68	43	16254	9.566	ug/l 99
14) Carbon Disulfide	2.82	76	61440	1.937	ug/l 99
15) Methylene Chloride	3.08	84	25921	2.149	ug/l 99
16) trans-1,2-Dichloroethene	3.39	96	20272	2.007	ug/l 98
17) 1,1-Dichloroethane	3.92	63	33183	2.016	ug/l 99
18) 2-Butanone	4.78	43	23502	9.745	ug/l 100
19) Cyclohexane	5.42	56	28307	1.881	ug/l 94
20) Methylcyclohexane	6.80	83	33572	1.998	ug/l 99
21) 2,2-Dichloropropane	4.71	77	29024	2.065	ug/l 100
22) cis-1,2-Dichloroethene	4.71	96	20652	1.970	ug/l 95
23) Diethyl Ether	2.41	59	14349	2.028	ug/l 97
24) tert-Butyl Alcohol	3.29	59	11267	17.821	ug/l # 92
25) Methyl tert-Butyl Ether	3.42	73	49267	2.053	ug/l 95
26) Bromochloromethane	5.02	128	9280	2.044	ug/l 97
27) Chloroform	5.13	83	32964	2.024	ug/l 98
28) 1,1,1-Trichloroethane	5.36	97	27741	2.032	ug/l 99
29) 1,1-Dichloropropene	5.56	75	26588	1.995	ug/l 99
30) Carbon Tetrachloride	5.56	117	23504	2.010	ug/l 96
31) Isopropyl Ether	4.06	45	50567	2.023	ug/l 99
32) Ethyl-t-butyl ether	4.57	59	52763	2.018	ug/l 98
33) Tert-Amyl methyl ether	5.99	73	48007	2.005	ug/l 99
34) Propionitrile	4.86	54	6876	9.891	ug/l # 95
35) Benzene	5.82	78	78423	2.032	ug/l 99
36) 1,2-Dichloroethane	5.84	62	21573	2.077	ug/l 99
37) Trichloroethene	6.58	130	21755	2.042	ug/l 100
38) 1,2-Dichloropropane	6.83	63	19982	2.060	ug/l 97
39) Methacrylonitrile	5.03	41	5685	1.946	ug/l 98
40) Methyl acrylate	4.91	55	10807	2.334	ug/l # 95
41) Tetrahydrofuran	5.13	42	6457	4.057	ug/l 96
42) 1-Chlorobutane	5.50	56	34317	1.988	ug/l 98

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Quant Time: Jan 24 00:53:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
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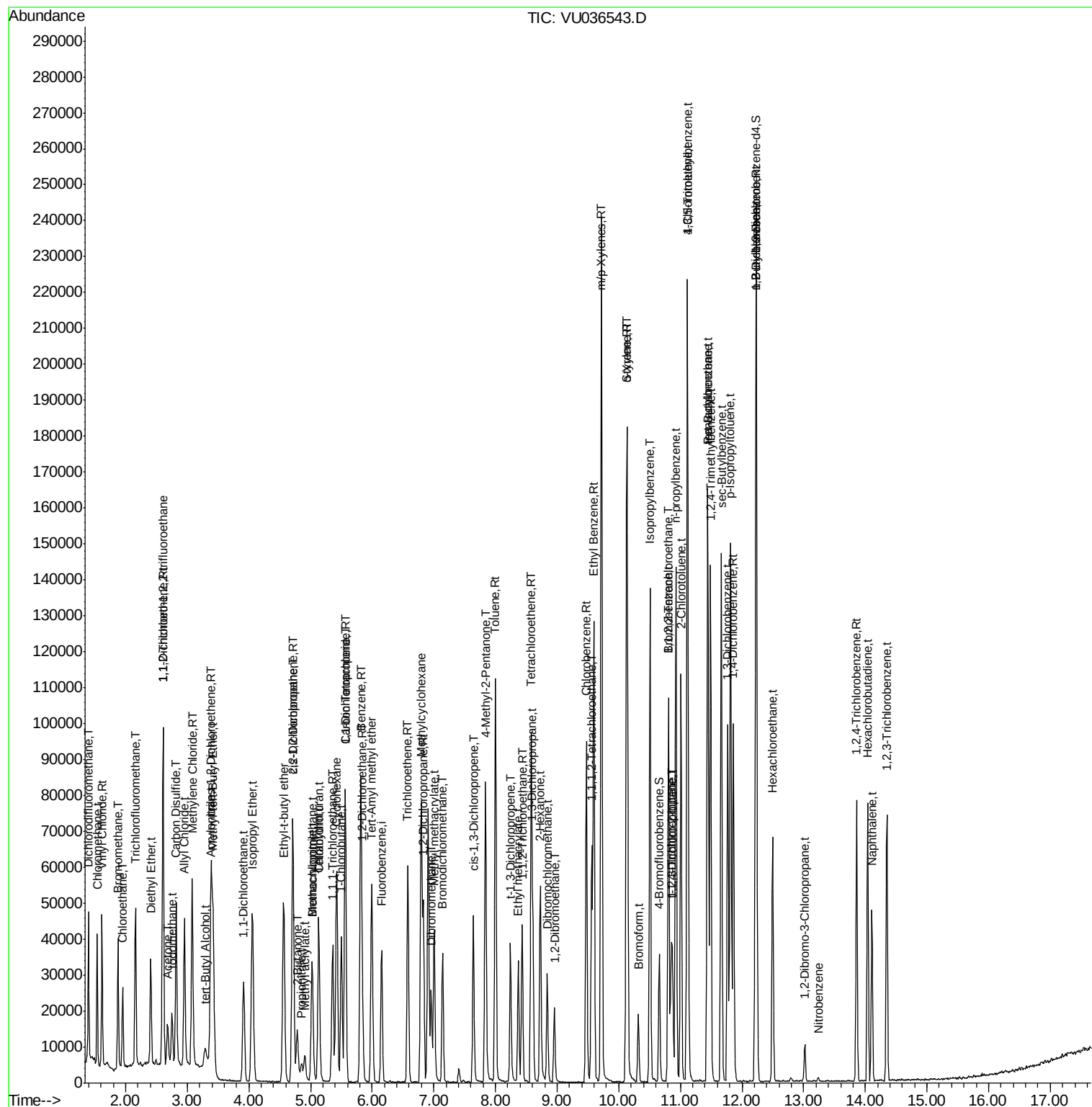
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	10432	2.060	ug/l	98
44) Bromodichloromethane	7.14	83	23881	1.994	ug/l	99
45) 4-Methyl-2-Pentanone	7.84	43	56455	9.895	ug/l	100
46) t-1,4-Dichloro-2-butene	10.85	75	23632	9.405	ug/l #	60
47) Methyl methacrylate	7.01	69	19571	3.944	ug/l	99
48) Ethyl methacrylate	8.37	69	18958	1.978	ug/l	97
49) Toluene	8.00	92	48846	1.983	ug/l	100
50) t-1,3-Dichloropropene	8.24	75	23898	2.002	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	28974	2.003	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	14362	1.999	ug/l	98
53) 1,3-Dichloropropane	8.61	76	26053	2.115	ug/l	99
54) 2-Hexanone	8.73	43	38682	9.667	ug/l	100
55) Dibromochloromethane	8.84	129	16473	1.991	ug/l	95
56) 1,2-Dibromoethane	8.96	107	13795	1.994	ug/l	99
58) Tetrachloroethene	8.58	164	22343	2.098	ug/l	98
59) Chlorobenzene	9.47	112	55650	2.028	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.56	131	17655	2.015	ug/l	98
61) Pentachloroethane	11.45	117	10723	1.897	ug/l	96
62) Hexachloroethane	12.49	117	13740	1.907	ug/l	97
63) Ethyl Benzene	9.60	91	92730	2.016	ug/l	97
64) m/p-Xylenes	9.72	106	72990	4.010	ug/l	98
65) o-Xylene	10.12	106	35601	2.020	ug/l	99
66) Styrene	10.14	104	57668	1.954	ug/l	99
67) Bromoform	10.32	173	8997	1.900	ug/l	100
69) Isopropylbenzene	10.51	105	92999	2.008	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	18759	2.069	ug/l	95
71) 1,2,3-Trichloropropane	10.85	75	23632	3.654	ug/l #	45
72) Bromobenzene	10.81	156	22312	2.000	ug/l	99
73) n-propylbenzene	10.93	120	26196	2.016	ug/l	93
74) 2-Chlorotoluene	11.01	126	22867	2.049	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	80559	2.029	ug/l	98
76) 4-Chlorotoluene	11.12	126	23257	2.017	ug/l	96
77) tert-Butylbenzene	11.44	119	75079	1.995	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	82361	2.011	ug/l	99
79) sec-Butylbenzene	11.66	105	104685	2.005	ug/l	100
80) Nitrobenzene	13.23	77	772	5.935	ug/l #	70
81) p-Isopropyltoluene	11.81	119	87961	2.016	ug/l	99
82) 1,3-Dichlorobenzene	11.77	146	44842	2.009	ug/l	98
83) 1,4-Dichlorobenzene	11.86	146	44239	1.983	ug/l	100
84) n-Butylbenzene	12.23	91	78695	1.950	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	42701	1.999	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	2901	1.891	ug/l	88
87) 1,2,4-Trichlorobenzene	13.86	180	24826	1.817	ug/l	99
88) Hexachlorobutadiene	14.04	225	14709	1.964	ug/l	97
89) Naphthalene	14.11	128	39395	1.674	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	23993	1.867	ug/l	98

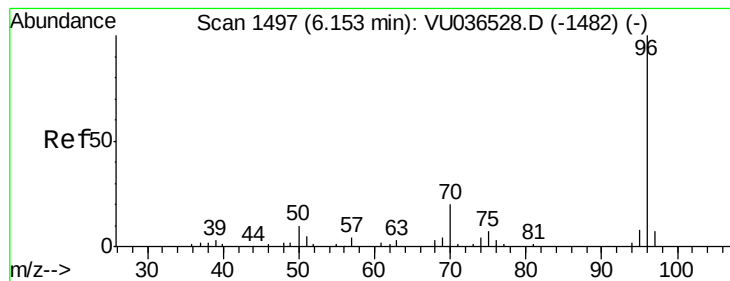
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 34826

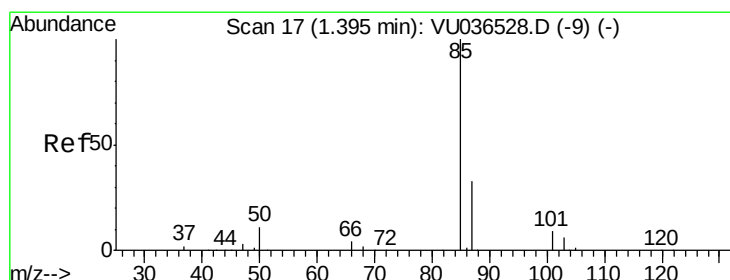
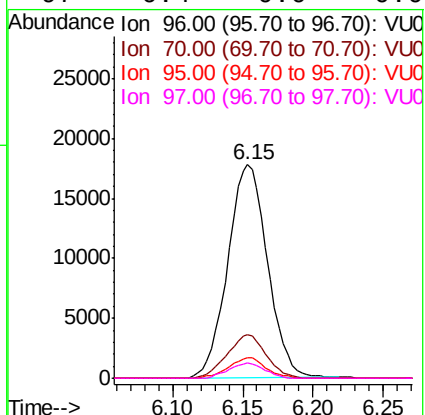
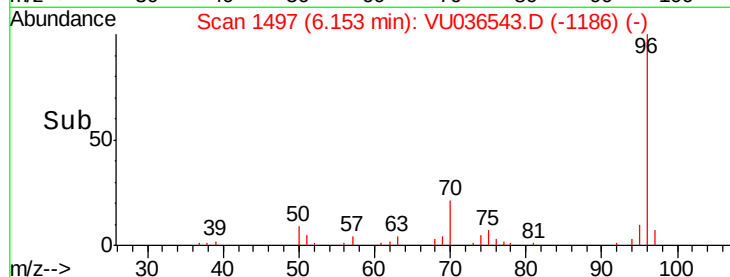
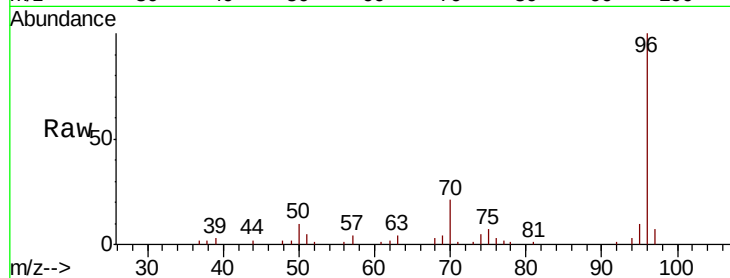
Ion Ratio Lower Upper

96 100

70 20.1 15.6 23.4

95 9.1 7.0 10.6

97 6.4 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.066 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU036543.D

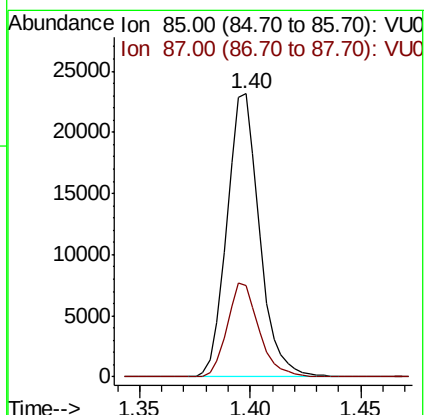
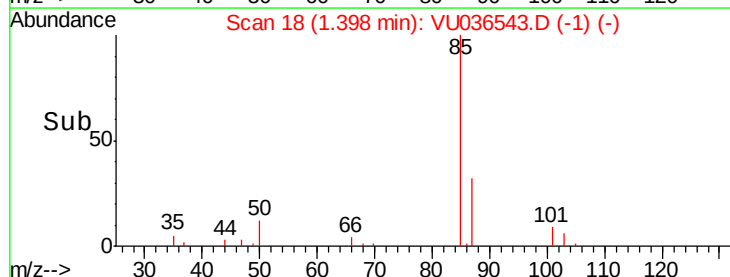
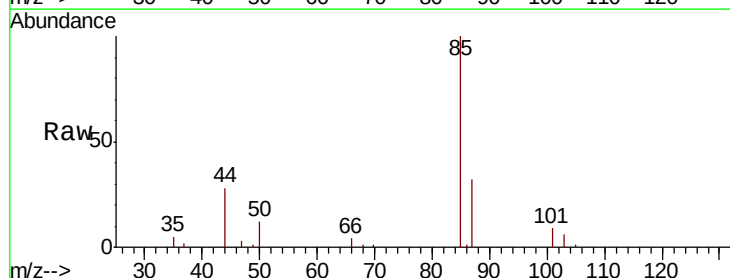
Acq: 23 Jan 2020 17:01

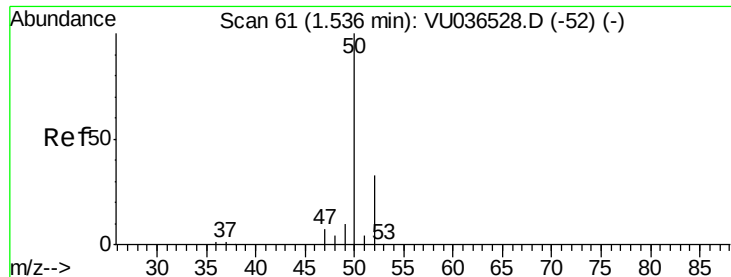
Tgt Ion: 85 Resp: 23783

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.2

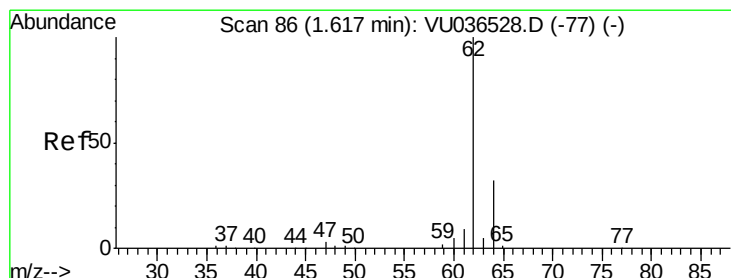
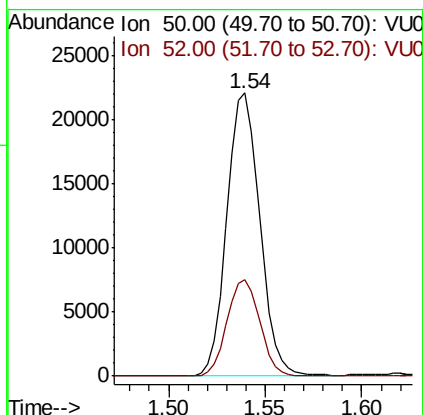
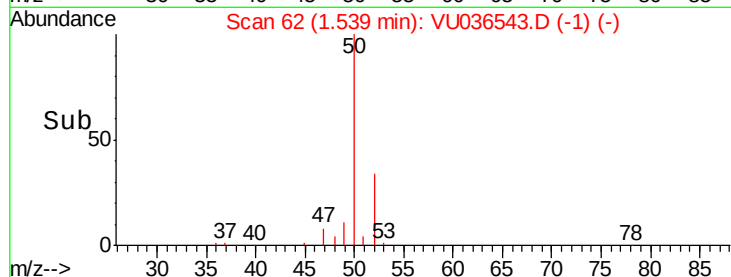
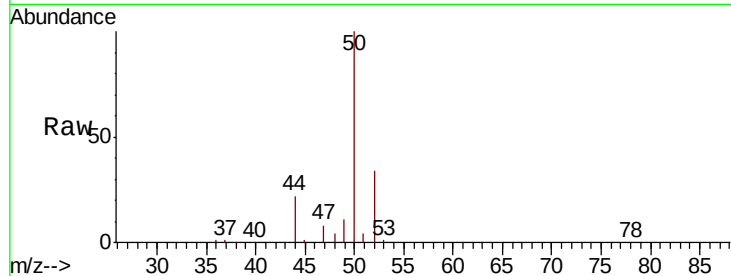




#3
Chloromethane
Concen: 2.120 ug/l
RT: 1.54 min Scan# 62
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

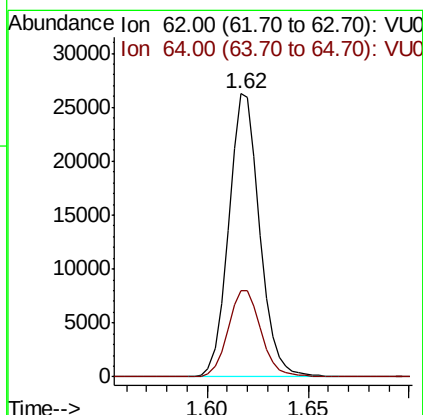
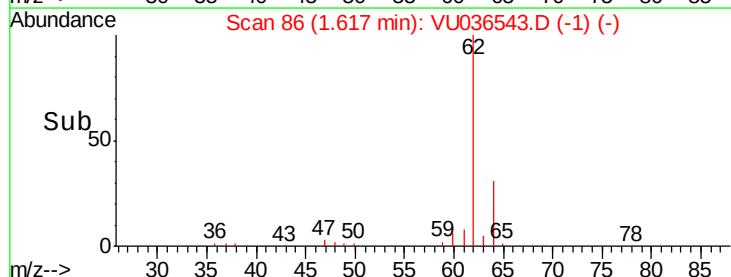
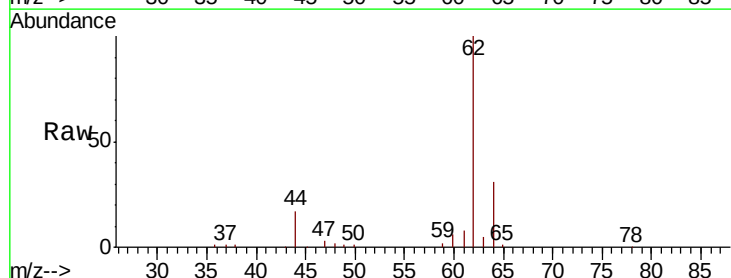
Instrument :
MSVOA_U
ClientSampleId :

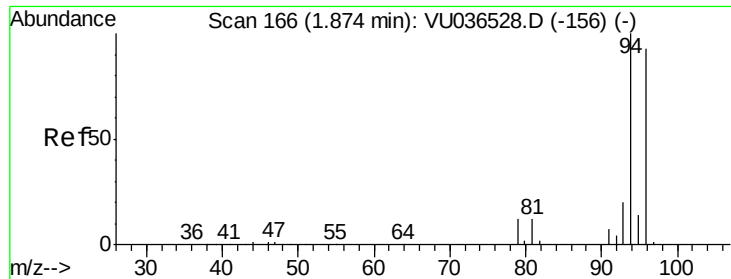
Tot Ion: 50 Resp: 26163
Ion Ratio Lower Upper
50 100
52 34.1 26.0 39.0



#4
Vinyl Chloride
Concen: 2.021 ug/l
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 62 Resp: 28247
Ion Ratio Lower Upper
62 100
64 30.5 25.4 38.2

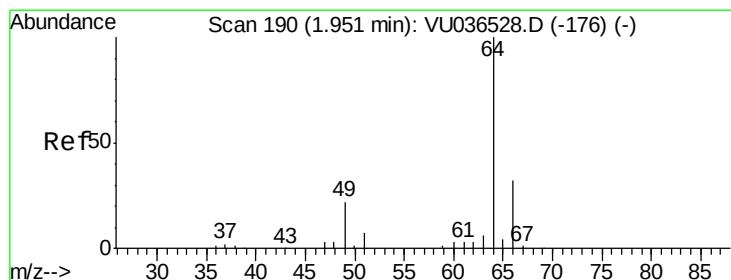
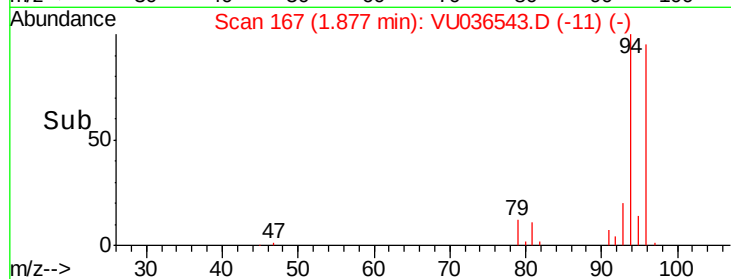
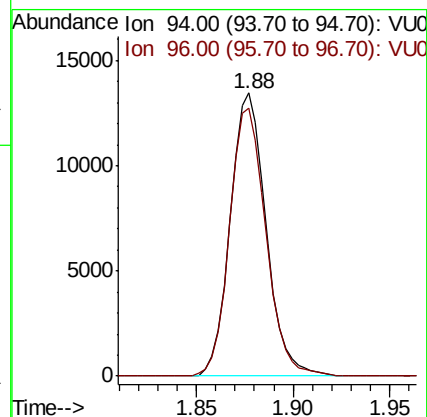
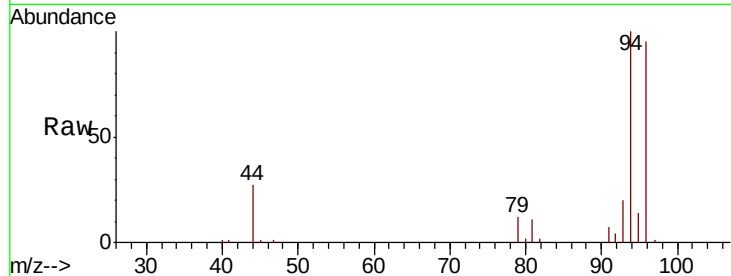




#5
Bromomethane
Concen: 1.984 ug/l
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

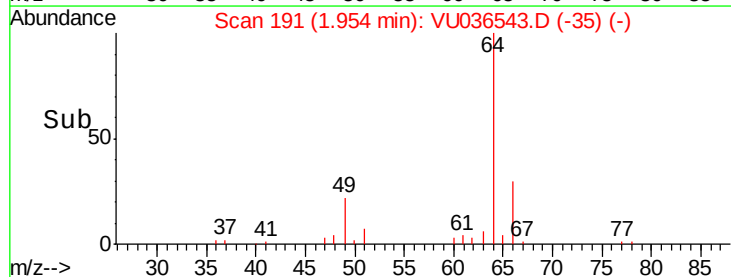
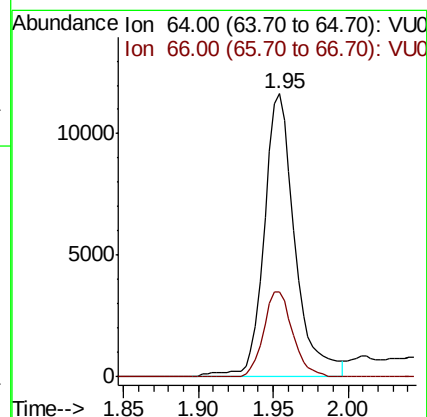
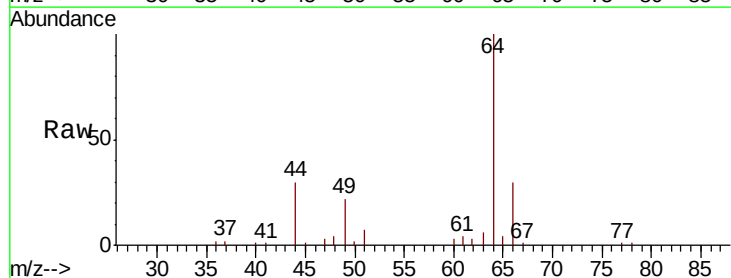
Instrument :
MSVOA_U
ClientSampleId :

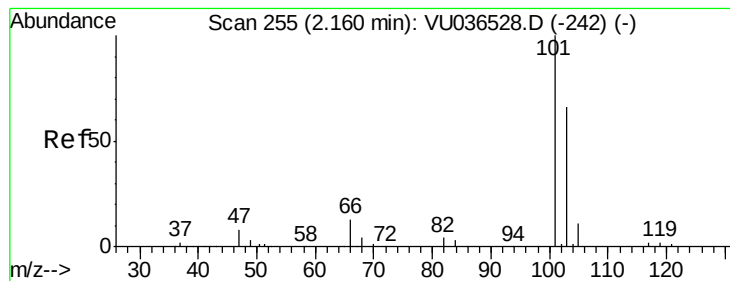
Tot Ion: 94 Resp: 17230
Ion Ratio Lower Upper
94 100
96 94.5 74.6 112.0



#6
Chloroethane
Concen: 2.024 ug/l
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 64 Resp: 16763
Ion Ratio Lower Upper
64 100
66 30.2 25.5 38.3



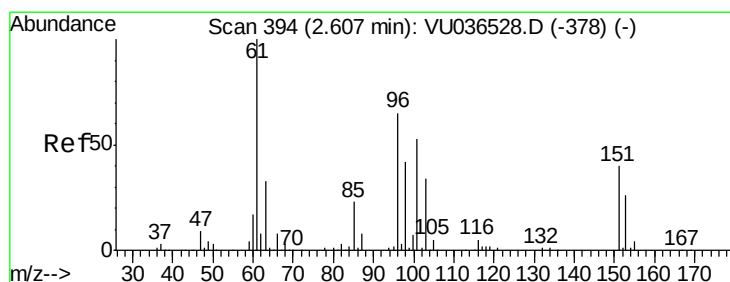
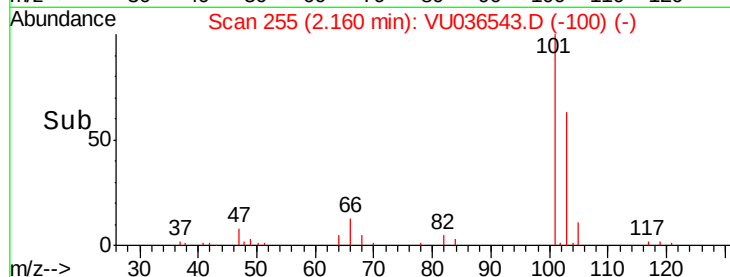
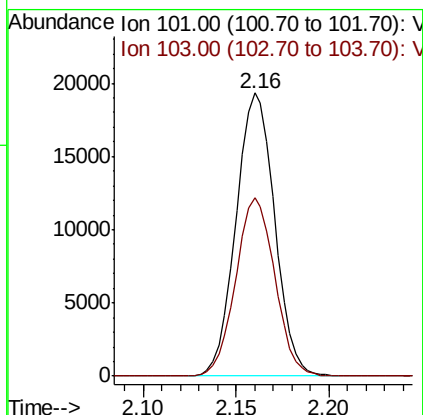
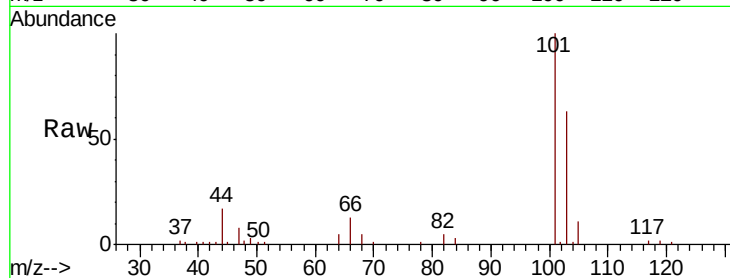


#7

Trichlorofluoromethane
Concen: 2.027 ug/l
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :

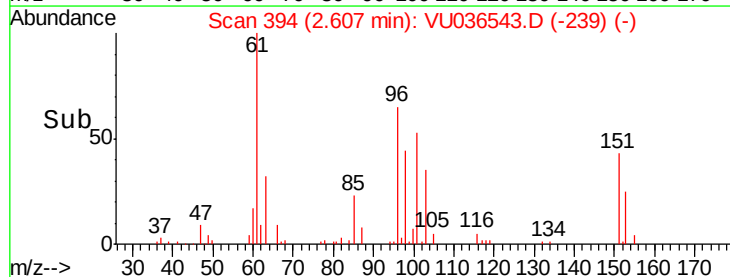
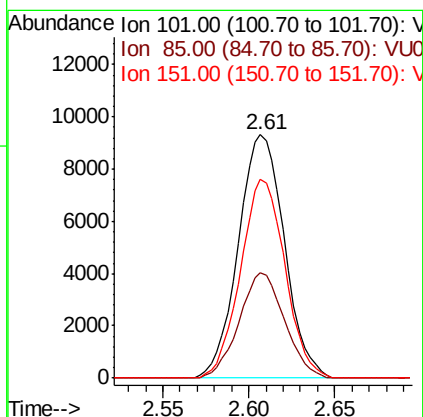
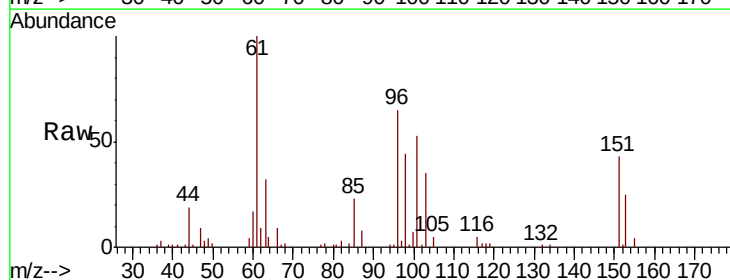
Tot Ion:101 Resp: 27990
Ion Ratio Lower Upper
101 100
103 63.1 53.0 79.6

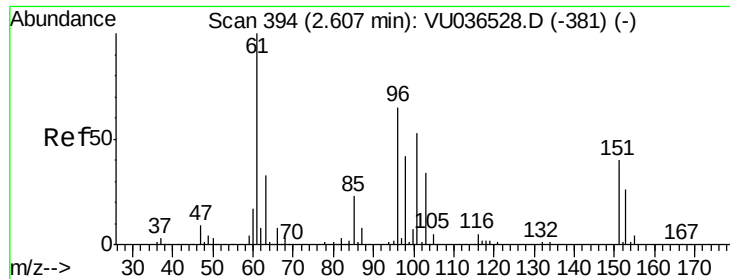


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.015 ug/l
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion:101 Resp: 17339
Ion Ratio Lower Upper
101 100
85 42.6 33.9 50.9
151 78.8 59.8 89.8





#9

1,1-Dichloroethene

Concen: 2.007 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

ClientSampled :

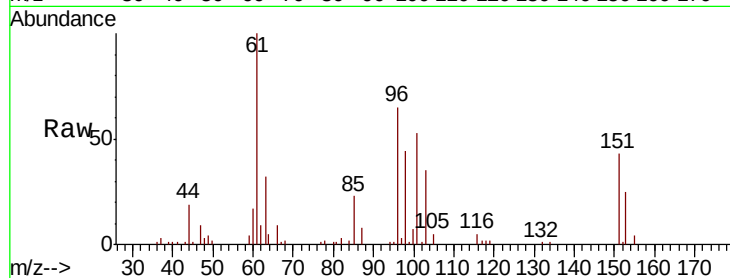
Tot Ion: 96 Resp: 18381

Ion Ratio Lower Upper

96 100

61 153.0 0.0 463.2

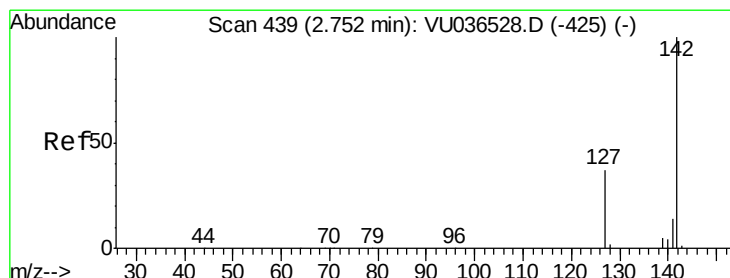
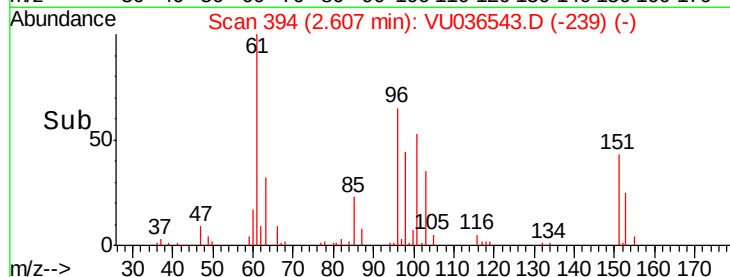
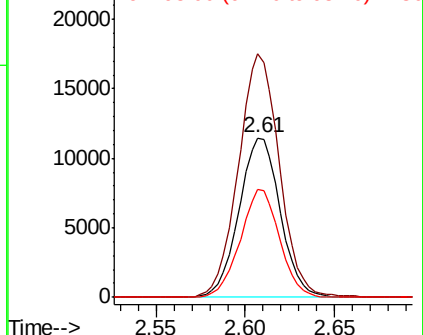
98 67.7 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU036528.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU036528.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-381) (-)



#10

Iodomethane

Concen: 1.759 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU036543.D

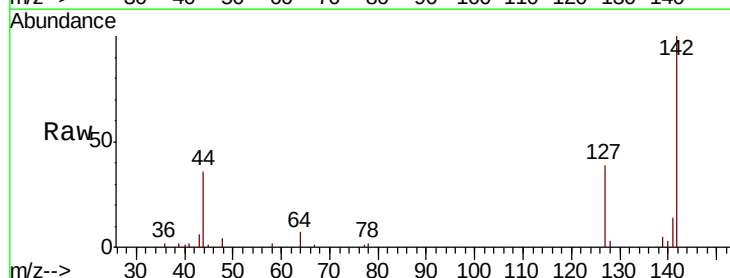
Acq: 23 Jan 2020 17:01

Tgt Ion: 142 Resp: 15007

Ion Ratio Lower Upper

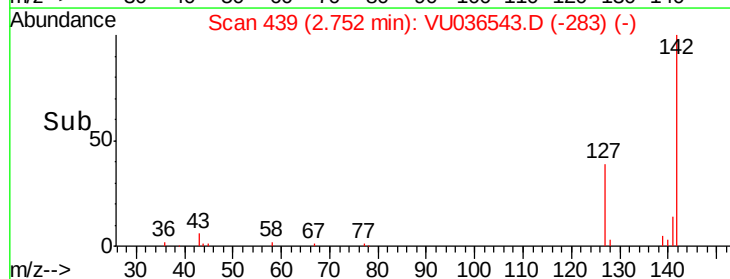
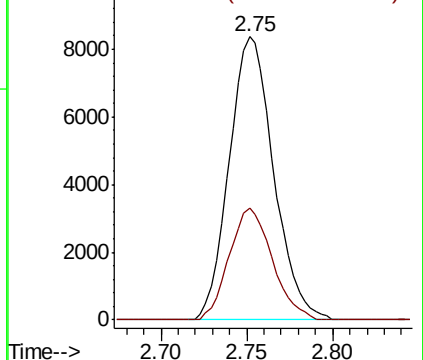
142 100

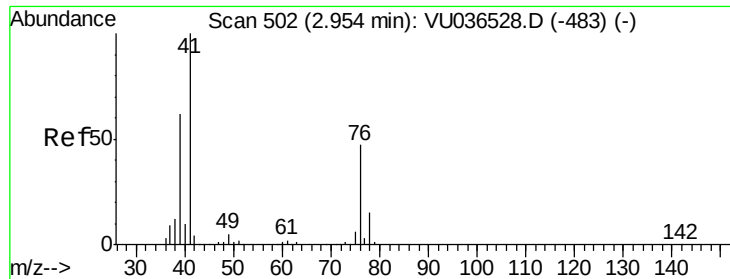
127 38.2 30.3 45.5



Abundance Ion 142.00 (141.70 to 142.70): VU036528.D (-425) (-)

Ion 127.00 (126.70 to 127.70): VU036528.D (-425) (-)

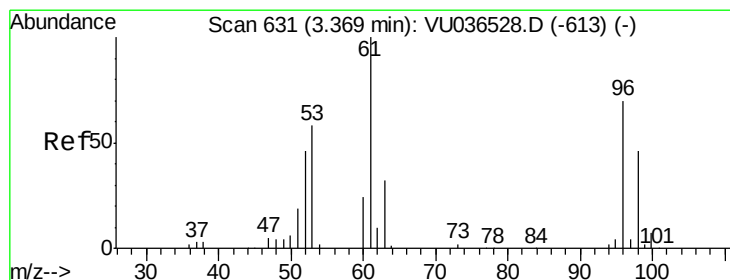
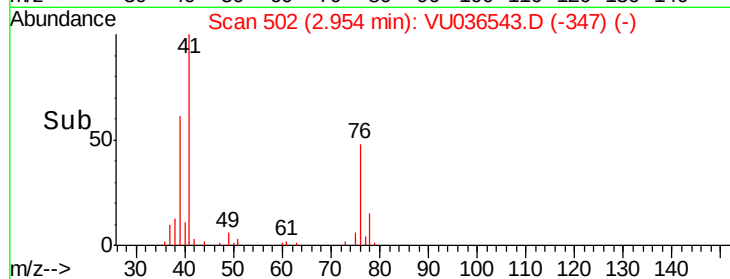
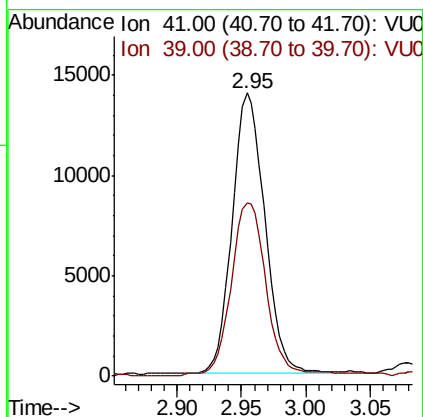
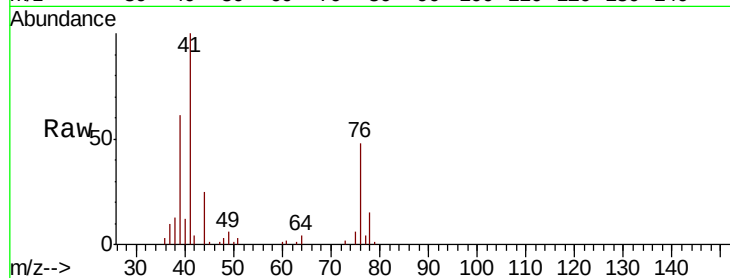




#11
Allvl Chloride
Concen: 1.941 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

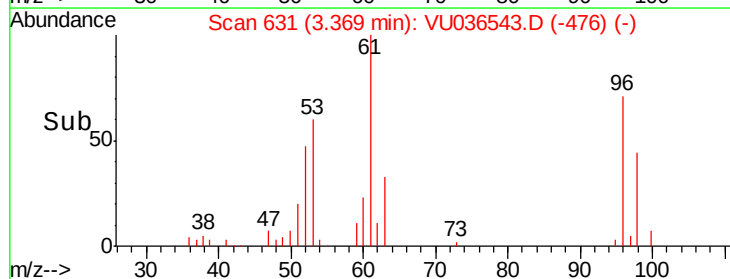
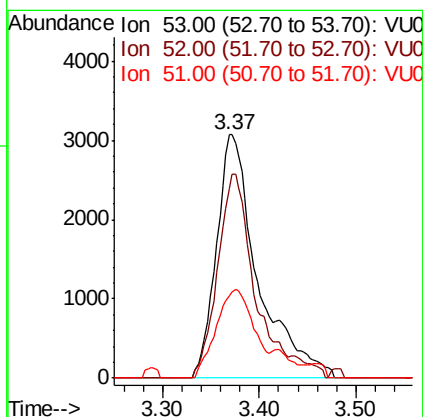
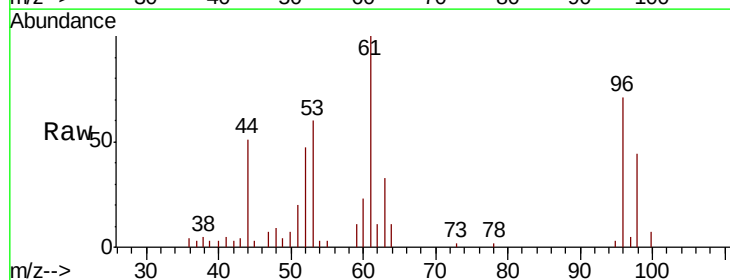
Instrument :
MSVOA_U
ClientSampled :

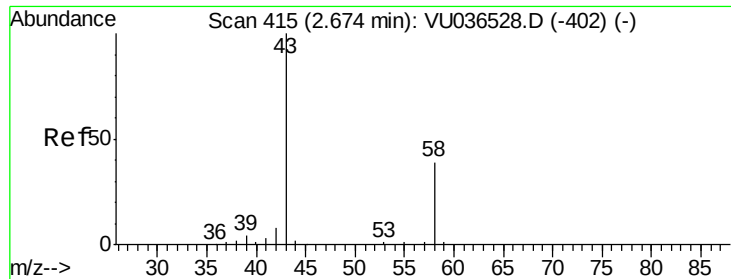
Tot Ion: 41 Resp: 24581
Ion Ratio Lower Upper
41 100
39 67.9 50.7 76.1



#12
Acrylonitrile
Concen: 4.069 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 53 Resp: 9139
Ion Ratio Lower Upper
53 100
52 72.7 64.6 97.0
51 33.4 27.2 40.8





#13

Acetone

Concen: 9.566 ug/l

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

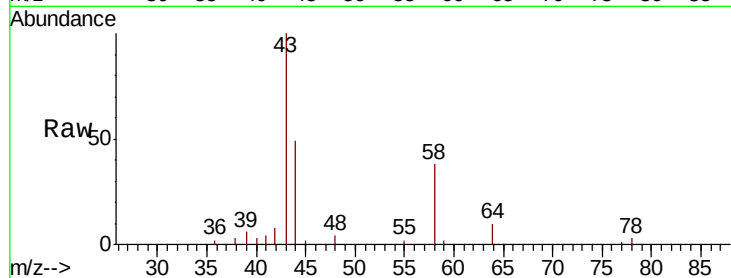
ClientSampleId :

Tot Ion: 43 Resp: 16254

Ion Ratio Lower Upper

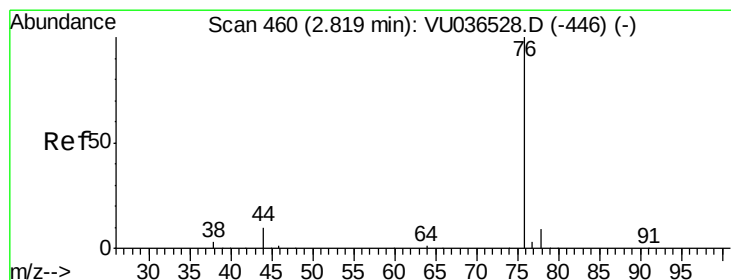
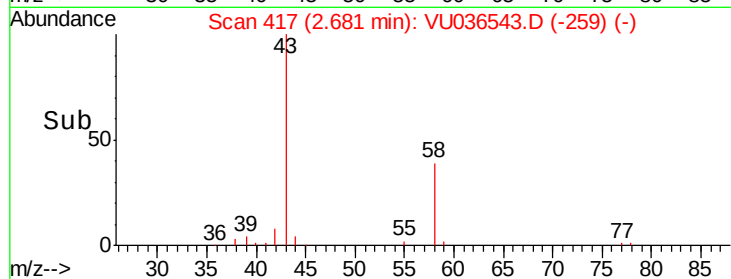
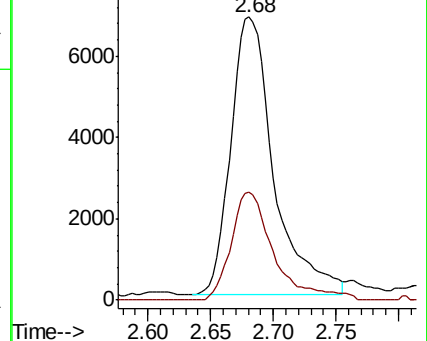
43 100

58 38.9 30.8 46.2



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

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



#14

Carbon Disulfide

Concen: 1.937 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036543.D

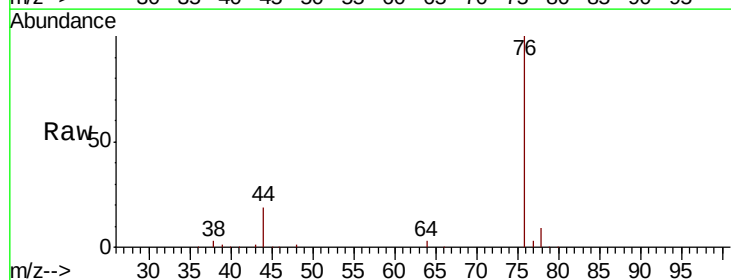
Acq: 23 Jan 2020 17:01

Tgt Ion: 76 Resp: 61440

Ion Ratio Lower Upper

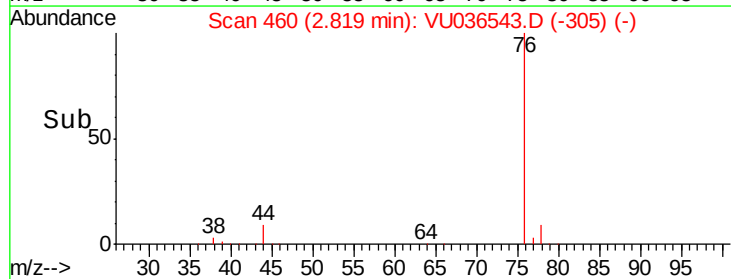
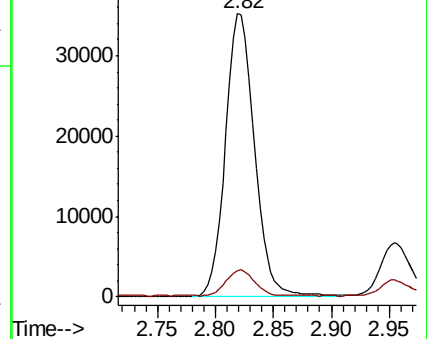
76 100

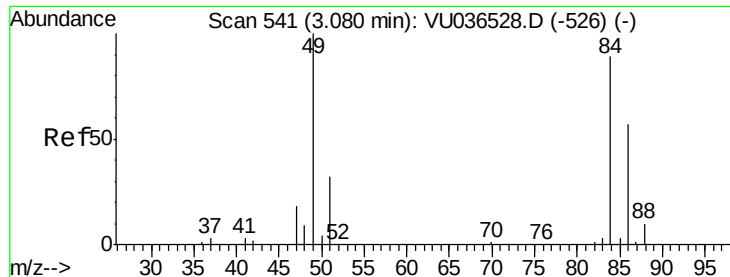
78 8.9 7.4 11.0



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

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

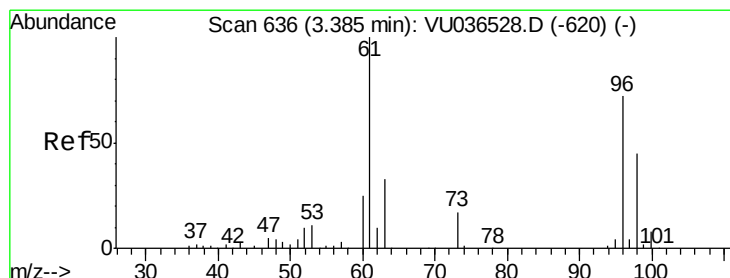
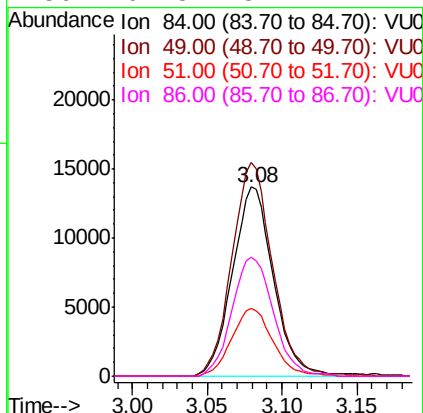
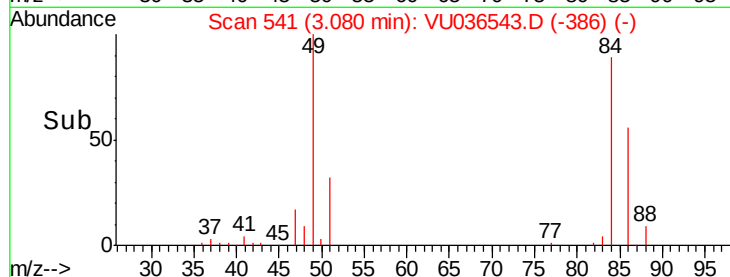
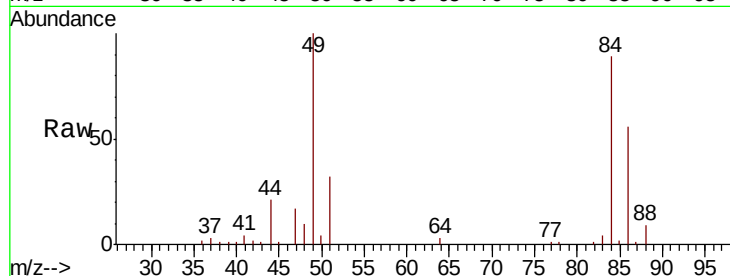




#15
Methylene Chloride
Concen: 2.149 ug/l
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

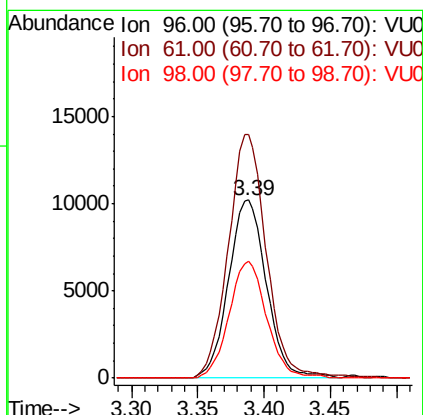
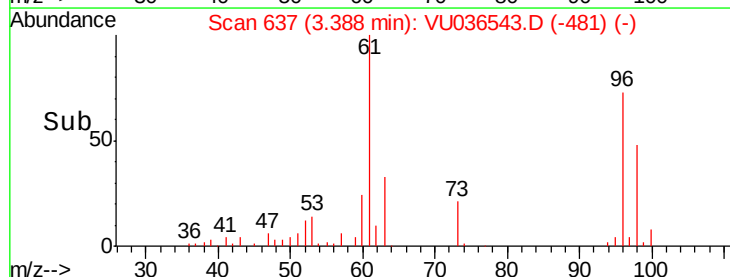
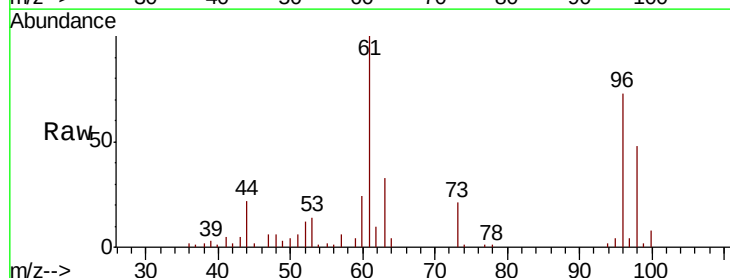
Instrument :
MSVOA_U
ClientSampleId :

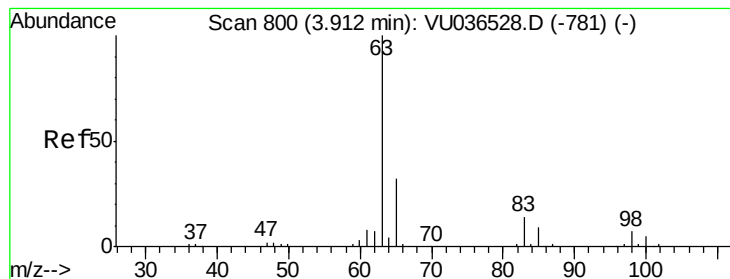
Tot Ion:	84	Resp:	25921
Ion	Ratio	Lower	Upper
84	100		
49	112.9	89.7	134.5
51	36.1	0.0	71.6
86	62.8	51.4	77.2



#16
trans-1,2-Dichloroethene
Concen: 2.007 ug/l
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion:	96	Resp:	20272
Ion	Ratio	Lower	Upper
96	100		
61	136.6	110.8	166.2
98	65.3	50.3	75.5





#17

1,1-Dichloroethane

Concen: 2.016 ug/l

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :

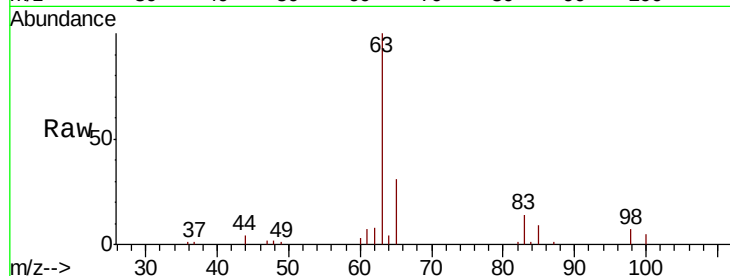
Tot Ion: 63 Resp: 33183

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.5

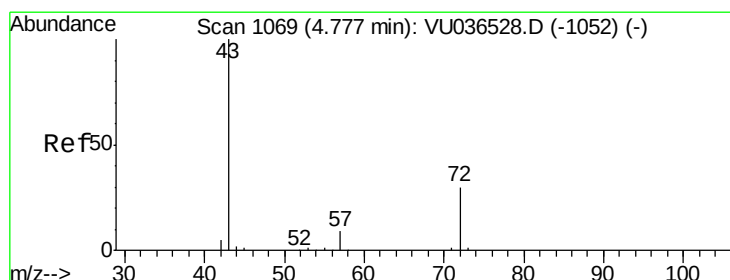
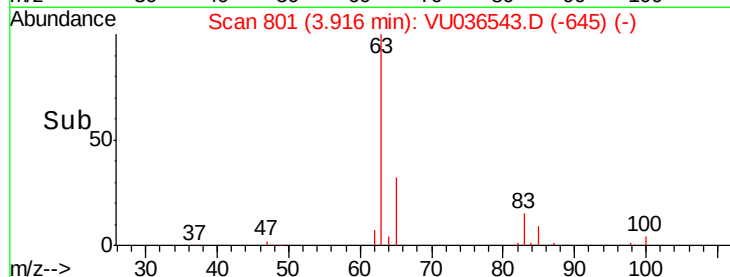
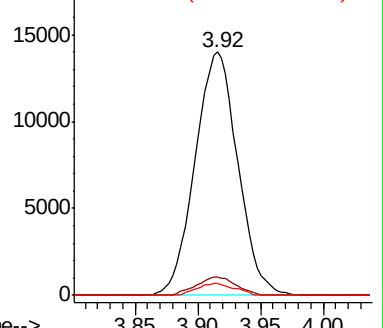
100 5.0 2.4 7.1



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

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

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



#18

2-Butanone

Concen: 9.745 ug/l

RT: 4.78 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VU036543.D

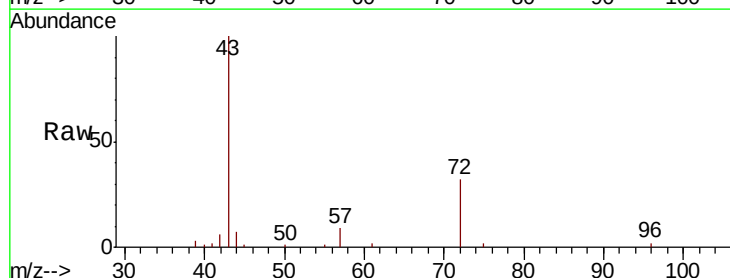
Acq: 23 Jan 2020 17:01

Tgt Ion: 43 Resp: 23502

Ion Ratio Lower Upper

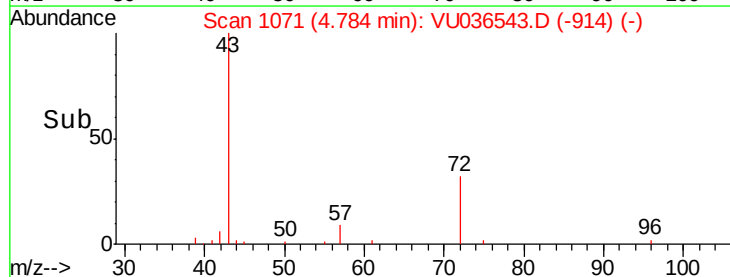
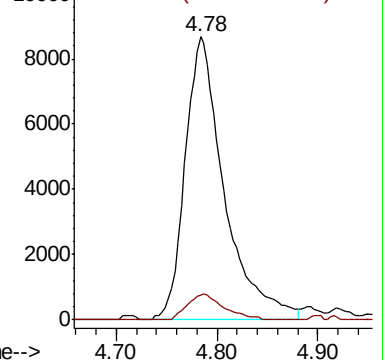
43 100

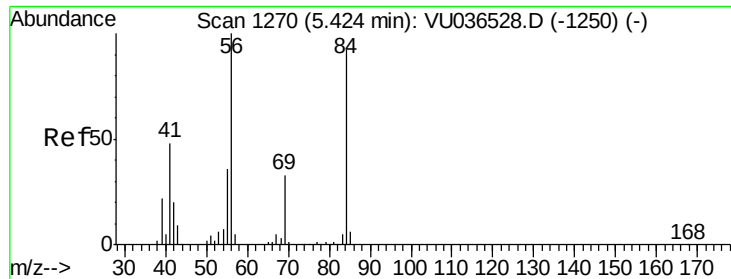
57 9.0 0.0 17.8



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

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

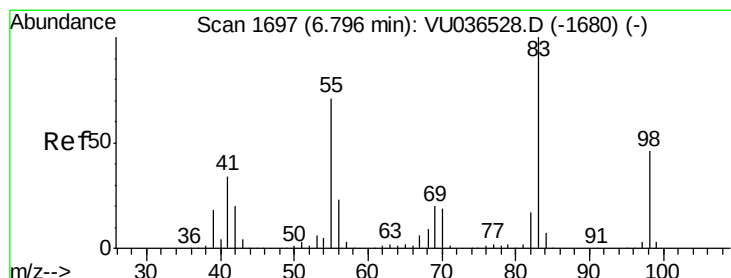
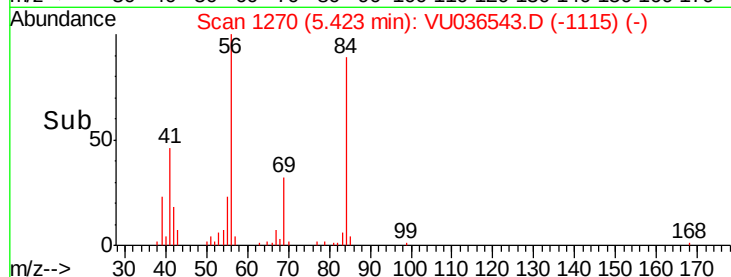
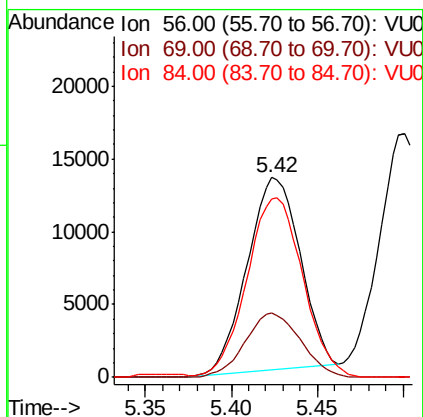
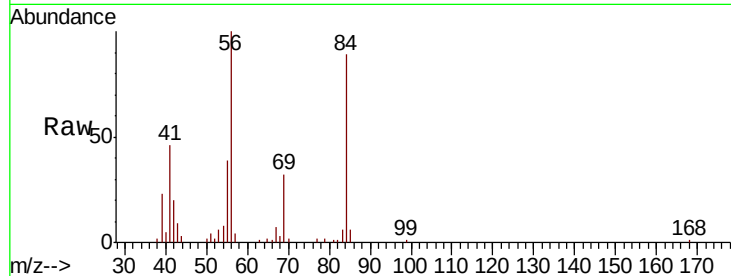




#19
Cyclohexane
Concen: 1.881 ug/l
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

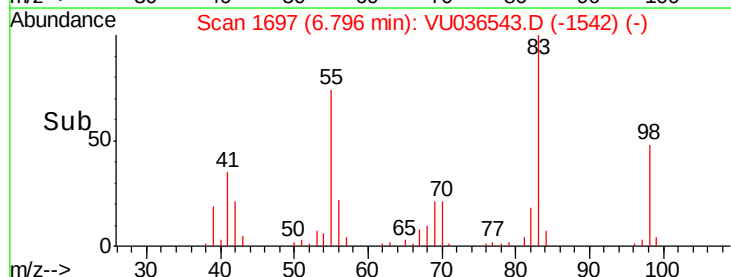
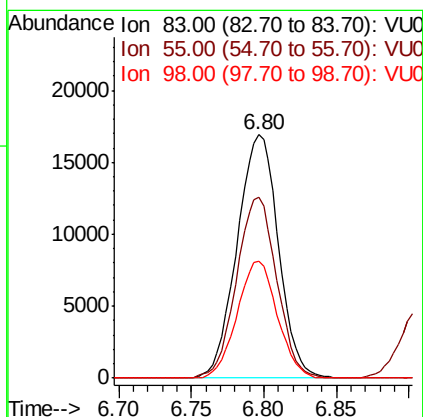
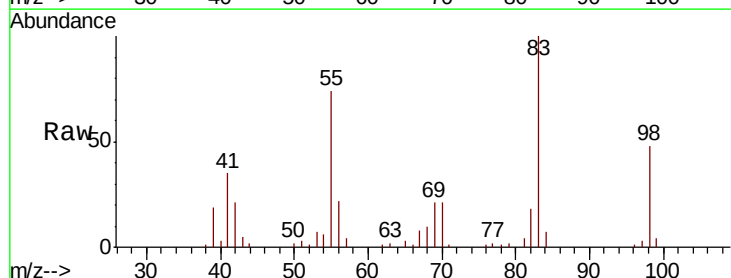
Instrument :
MSVOA_U
ClientSampleId :

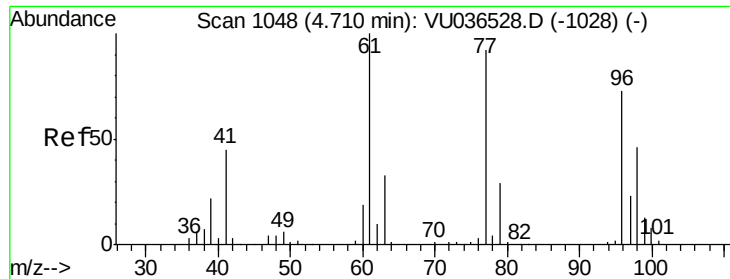
Tot Ion: 56 Resp: 28307
Ion Ratio Lower Upper
56 100
69 34.8 26.2 39.2
84 97.1 72.8 109.2



#20
Methylcyclohexane
Concen: 1.998 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 83 Resp: 33572
Ion Ratio Lower Upper
83 100
55 72.1 56.6 85.0
98 46.6 37.5 56.3

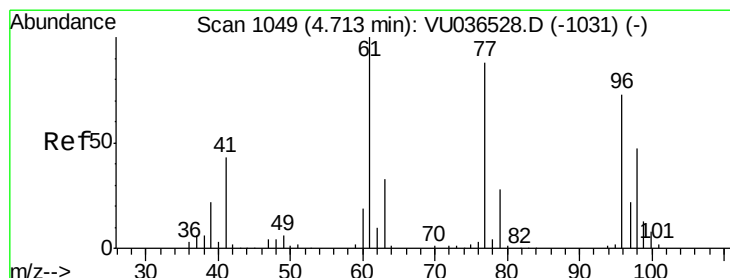
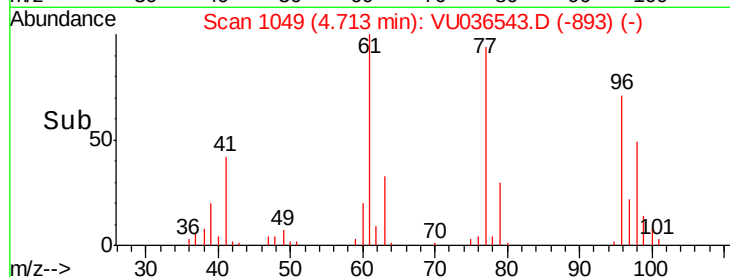
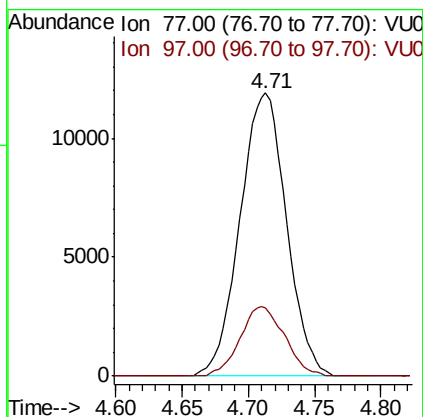
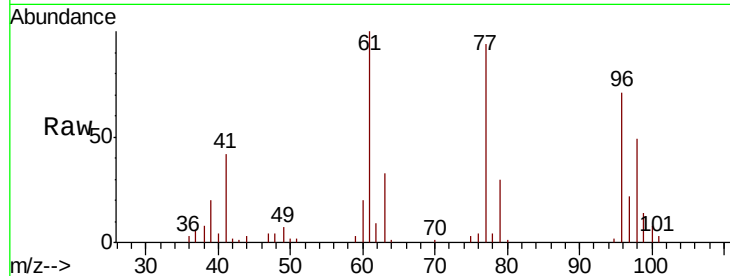




#21
 2,2-Dichloropropane
 Concen: 2.065 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

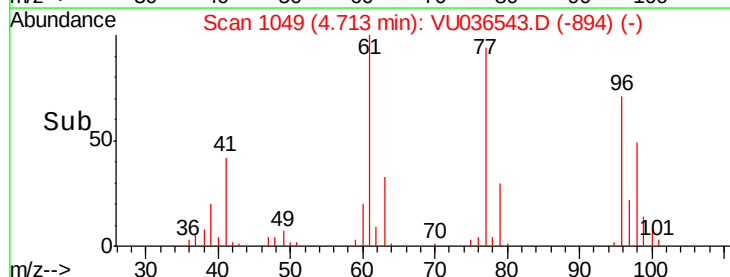
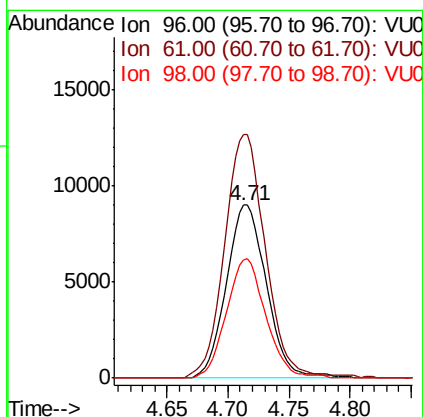
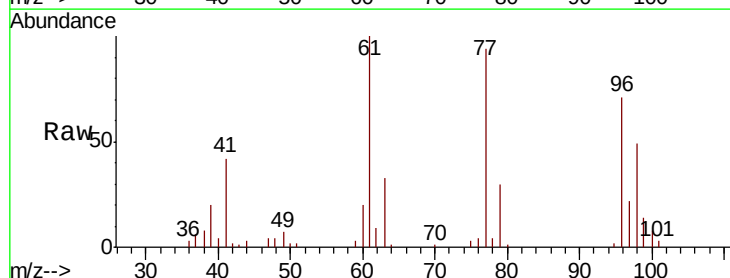
Instrument :
 MSVOA_U
 ClientSampleId :

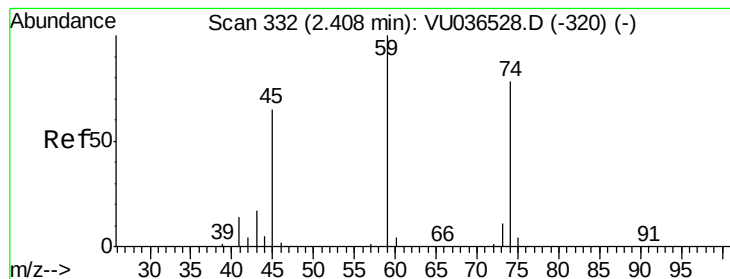
Tot Ion: 77 Resp: 29024
 Ion Ratio Lower Upper
 77 100
 97 23.5 19.0 28.4



#22
 cis-1,2-Dichloroethene
 Concen: 1.970 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion: 96 Resp: 20652
 Ion Ratio Lower Upper
 96 100
 61 143.3 0.0 342.0
 98 67.6 32.0 96.0





#23

Diethyl Ether

Concen: 2.028 ug/l

RT: 2.41 min Scan# 332

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

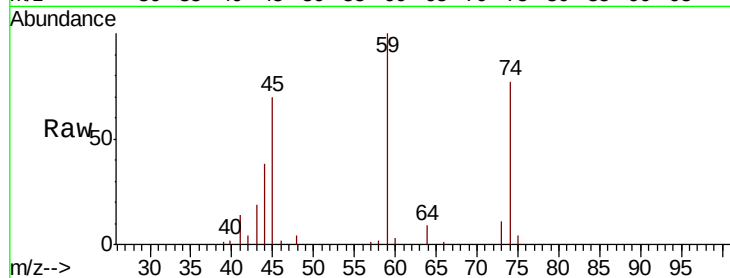
Tot Ion: 59 Resp: 14349

Ion Ratio Lower Upper

59 100

45 68.8 52.4 78.6

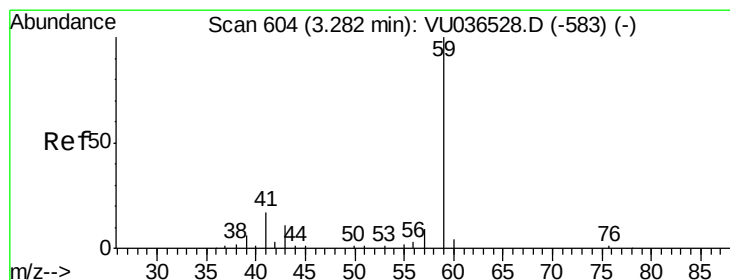
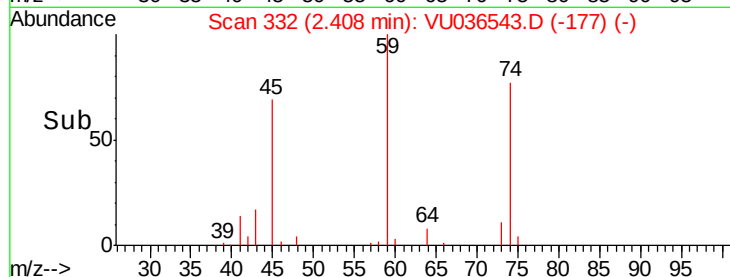
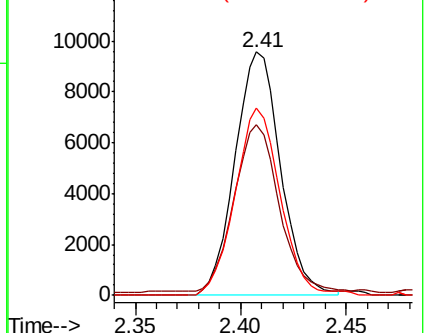
74 76.4 62.1 93.1



Abundance Ion 59.00 (58.70 to 59.70): VU036528.D (-320) (-)

Ion 45.00 (44.70 to 45.70): VU036528.D (-320) (-)

Ion 74.00 (73.70 to 74.70): VU036528.D (-320) (-)



#24

tert-Butyl Alcohol

Concen: 17.821 ug/l

RT: 3.29 min Scan# 608

Delta R.T. 0.01 min

Lab File: VU036543.D

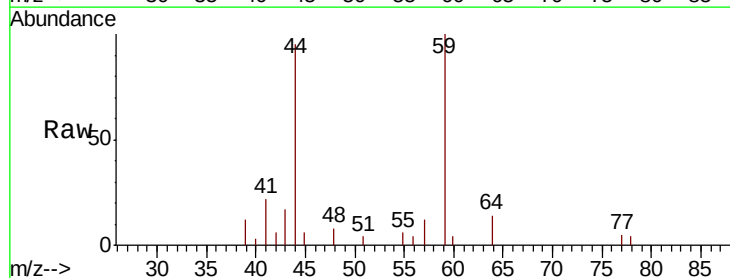
Acq: 23 Jan 2020 17:01

Tgt Ion: 59 Resp: 11267

Ion Ratio Lower Upper

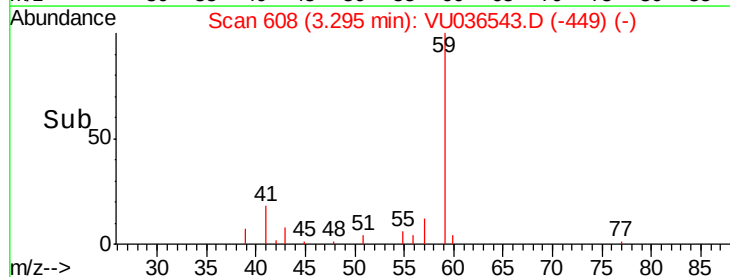
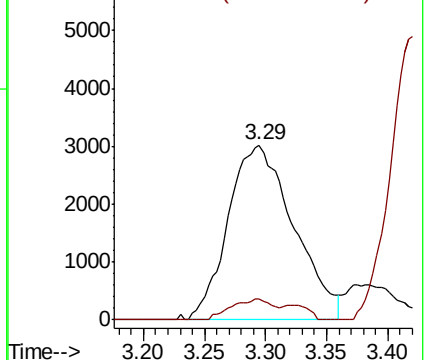
59 100

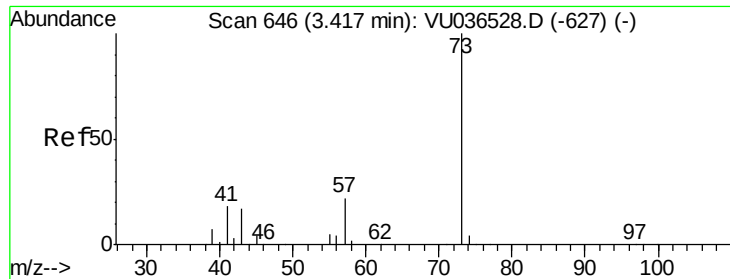
57 7.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU036528.D (-583) (-)

Ion 57.00 (56.70 to 57.70): VU036528.D (-583) (-)

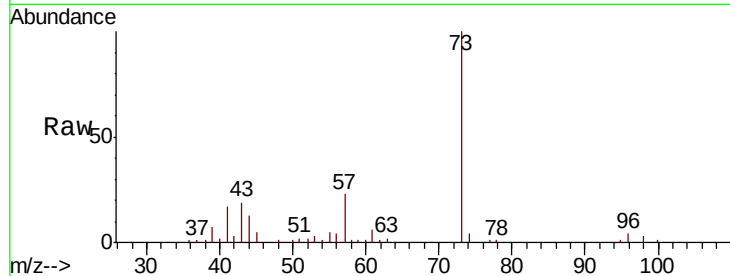




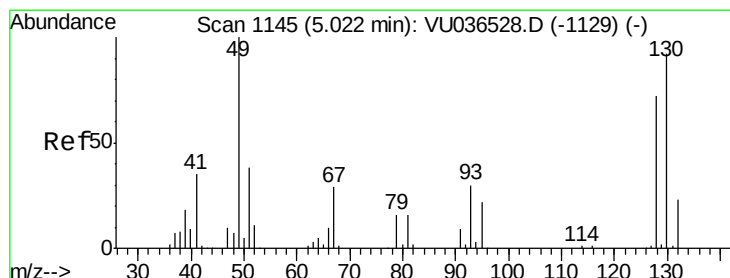
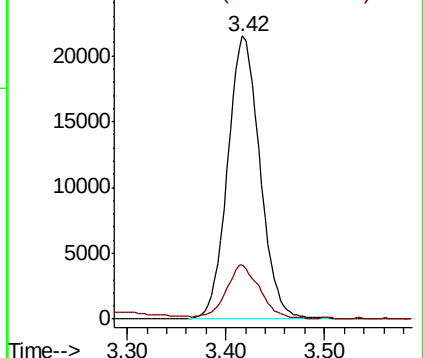
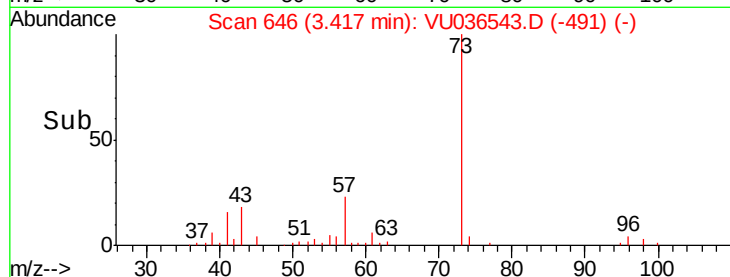
#25
Methyl tert-Butyl Ether
Concen: 2.053 ug/l
RT: 3.42 min Scan# 646
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 49267
Ion Ratio Lower Upper
73 100
43 20.3 14.5 21.7

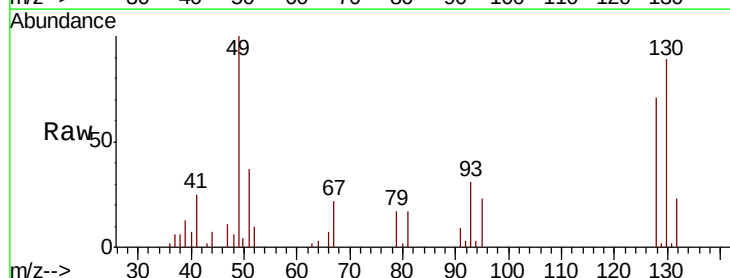


Abundance Ion 73.00 (72.70 to 73.70): VU036543.D (-491) (-)
Ion 43.00 (42.70 to 43.70): VU036543.D (-491) (-)

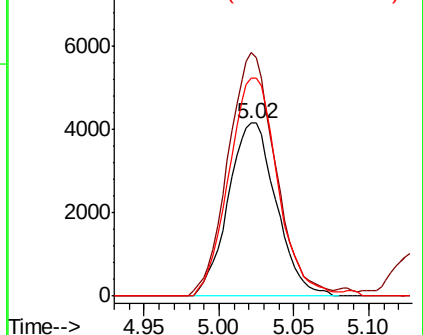
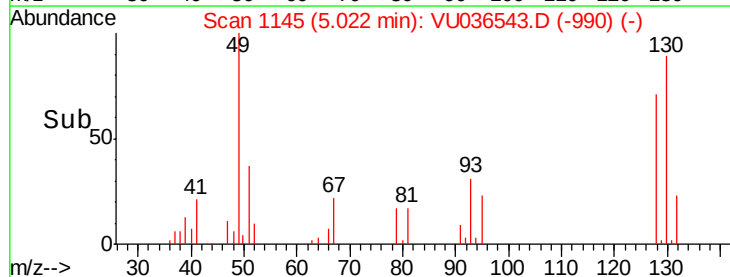


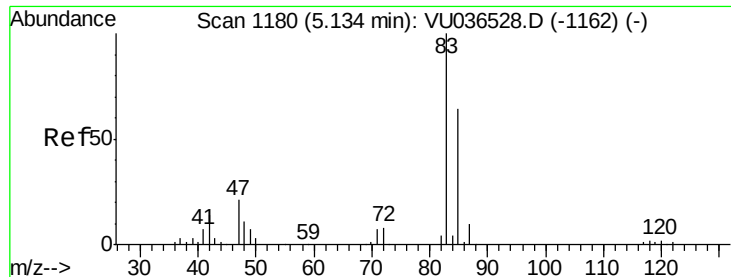
#26
Bromochloromethane
Concen: 2.044 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 128 Resp: 9280
Ion Ratio Lower Upper
128 100
49 139.0 0.0 286.2
130 127.8 104.3 156.5



Abundance Ion 128.00 (127.70 to 128.70): VU036543.D (-990) (-)
Ion 49.00 (48.70 to 49.70): VU036543.D (-990) (-)
Ion 130.00 (129.70 to 130.70): VU036543.D (-990) (-)

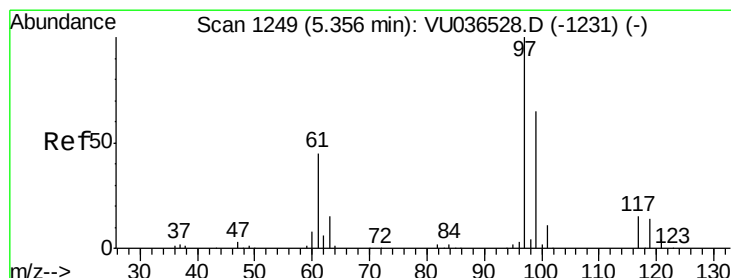
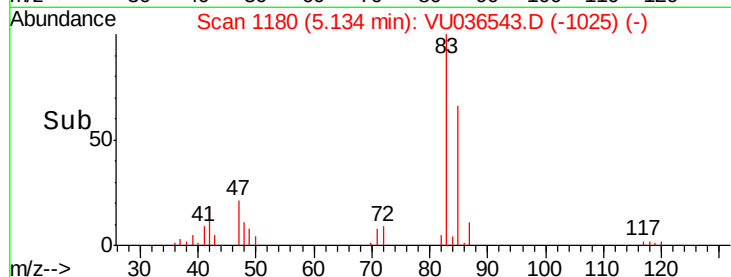
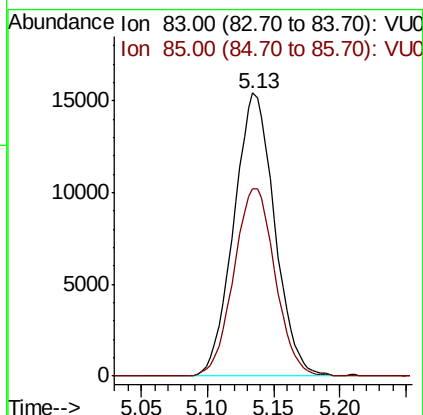
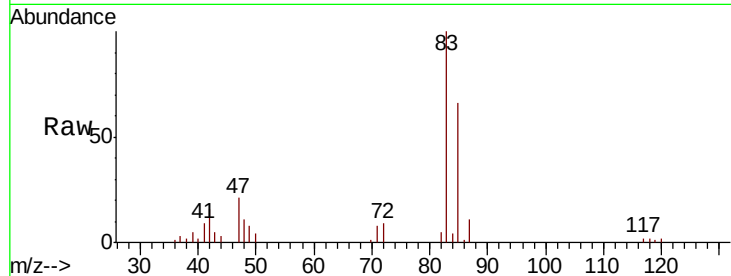




#27
Chloroform
Concen: 2.024 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

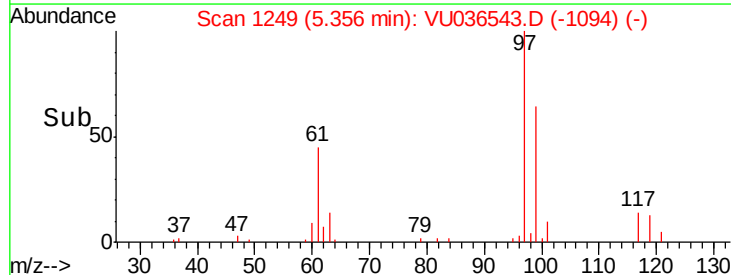
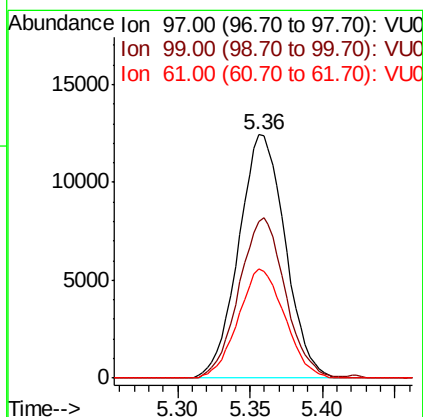
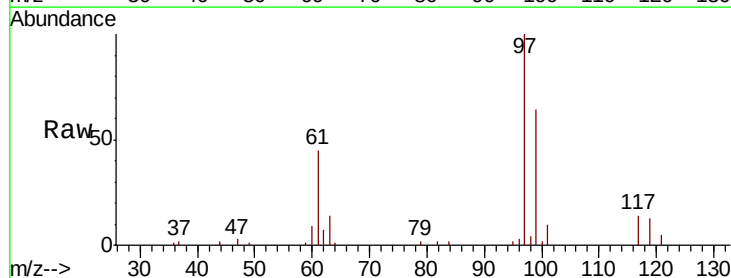
Instrument :
MSVOA_U
ClientSampleId :

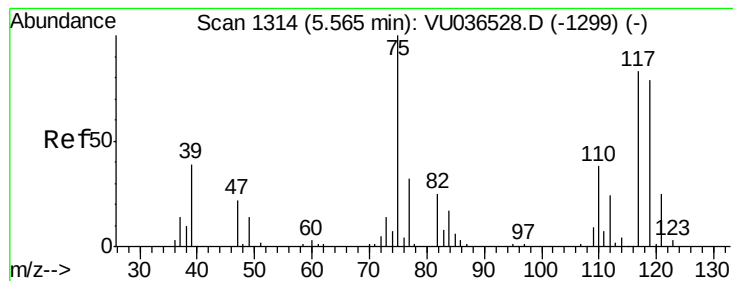
Tot Ion: 83 Resp: 32964
Ion Ratio Lower Upper
83 100
85 66.2 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 2.032 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 97 Resp: 27741
Ion Ratio Lower Upper
97 100
99 65.4 32.1 96.3
61 44.8 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.995 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :

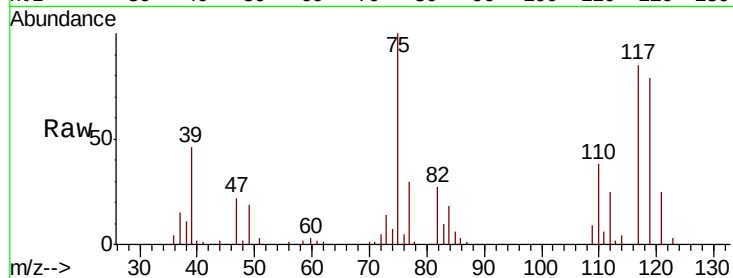
Tot Ion: 75 Resp: 26588

Ion Ratio Lower Upper

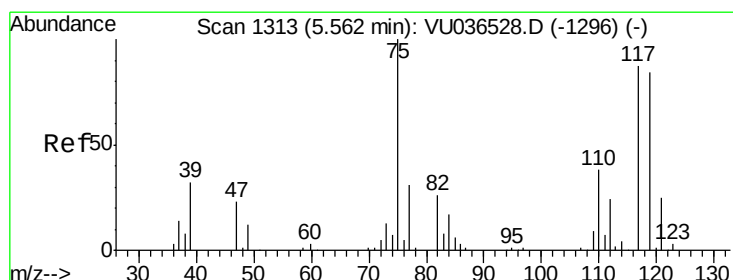
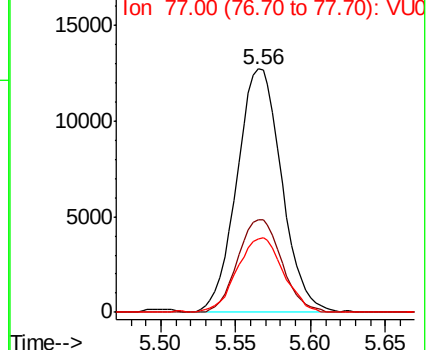
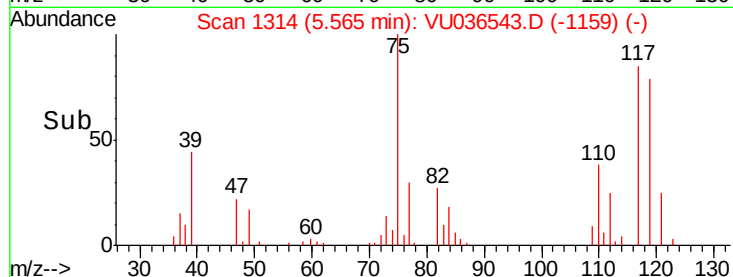
75 100

110 37.4 18.6 55.8

77 31.6 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU036528.D (-1299) (-)



#30

Carbon Tetrachloride

Concen: 2.010 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

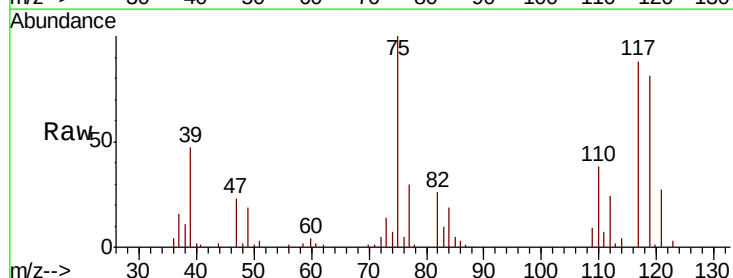
Tgt Ion: 117 Resp: 23504

Ion Ratio Lower Upper

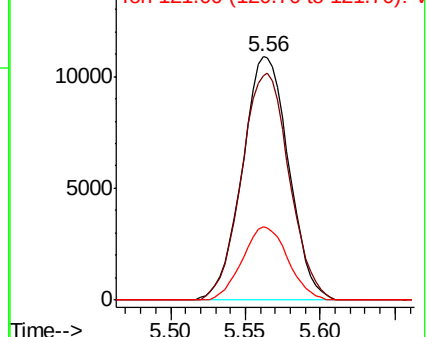
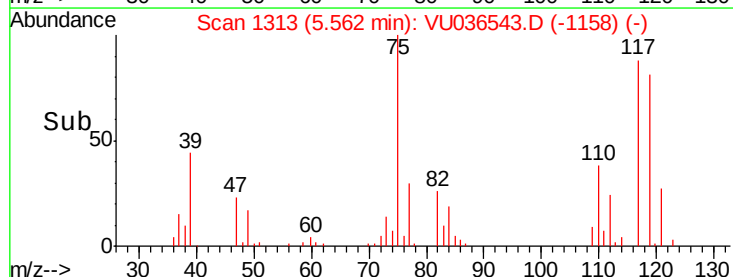
117 100

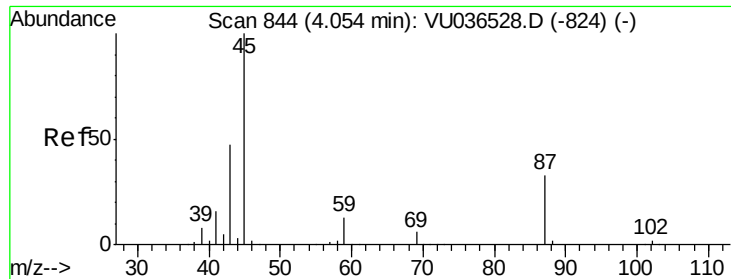
119 92.4 77.0 115.6

121 30.2 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): VU036528.D (-1296) (-)





#31

Isopropyl Ether

Concen: 2.023 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

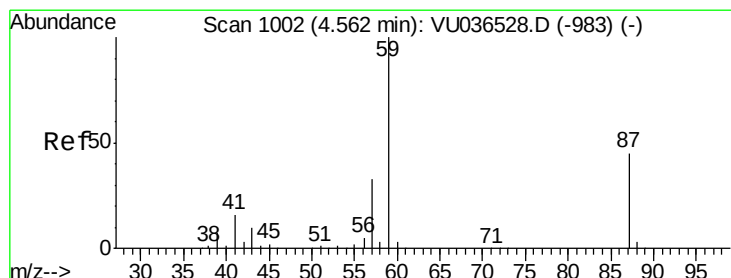
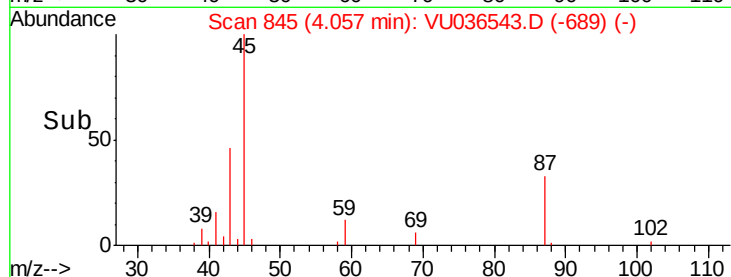
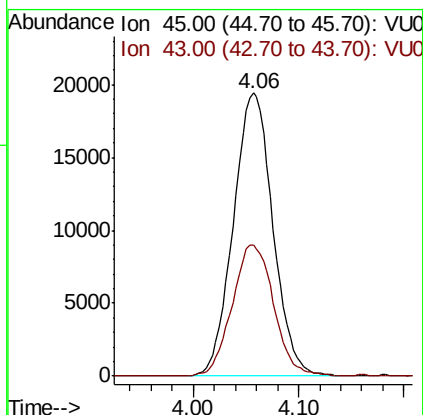
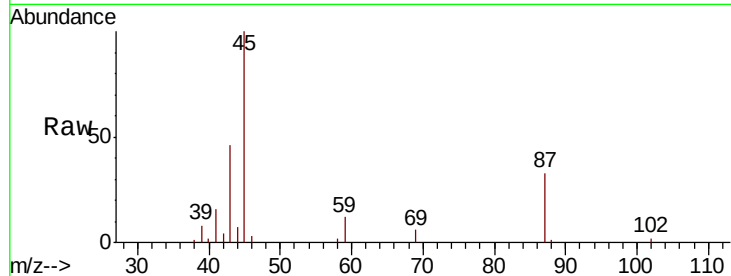
ClientSampleId :

Tot Ion: 45 Resp: 50567

Ion Ratio Lower Upper

45 100

43 48.7 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 2.018 ug/l

RT: 4.57 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VU036543.D

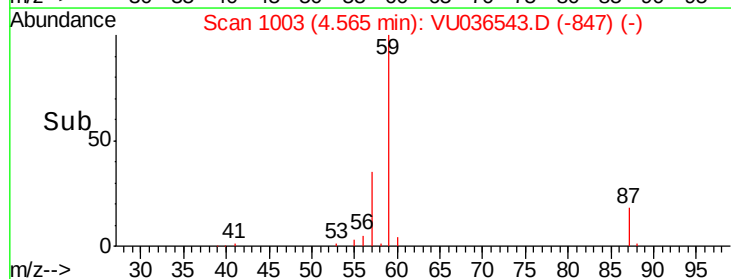
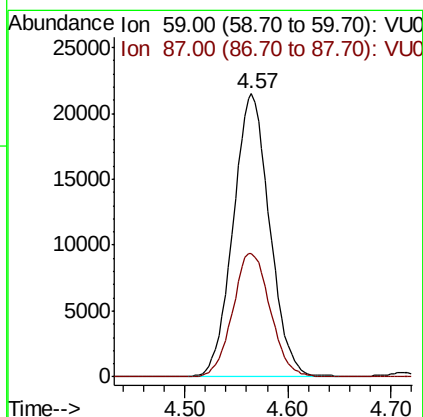
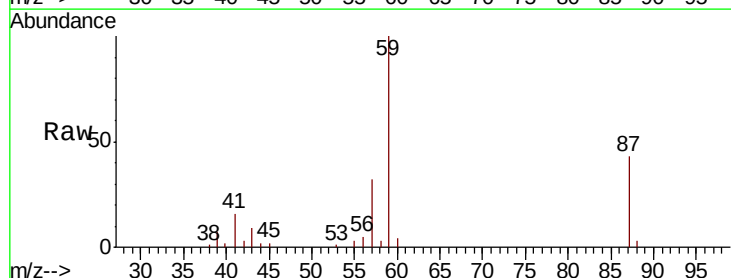
Acq: 23 Jan 2020 17:01

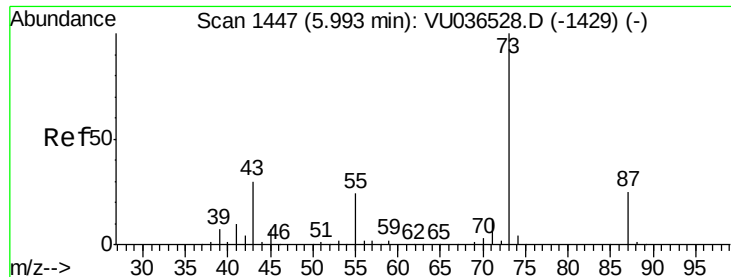
Tgt Ion: 59 Resp: 52763

Ion Ratio Lower Upper

59 100

87 45.0 35.1 52.7

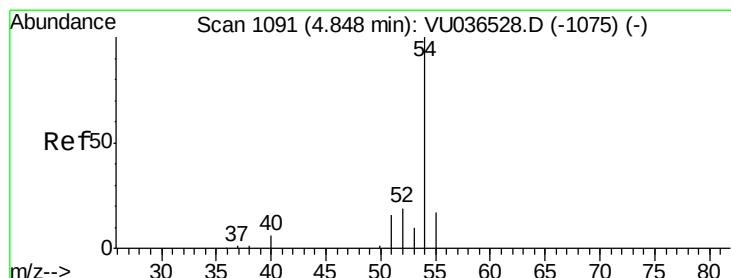
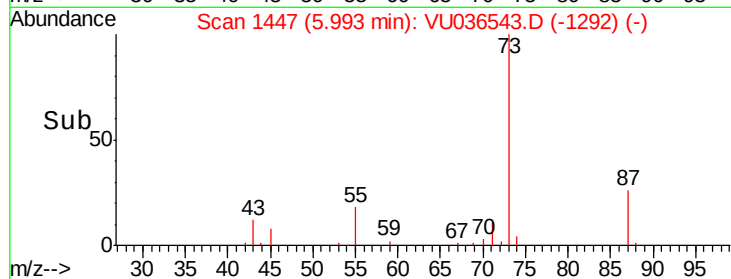
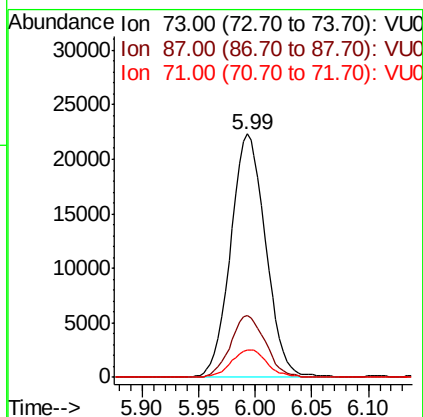
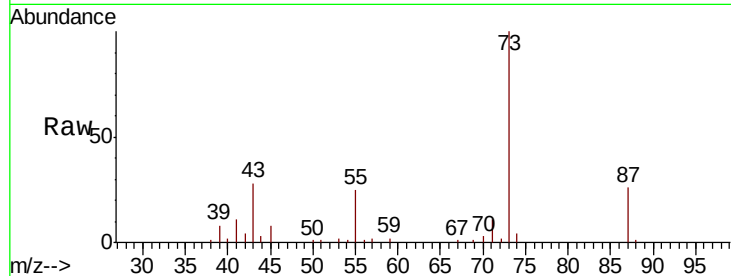




#33
Tert-Butyl methyl ether
Concen: 2.005 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

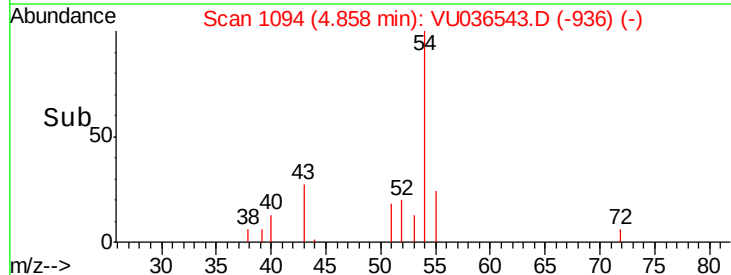
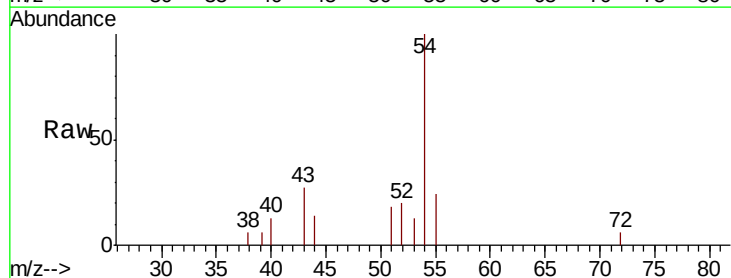
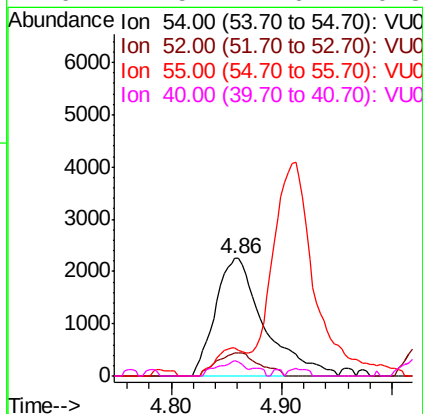
Instrument :
MSVOA_U
ClientSampled :

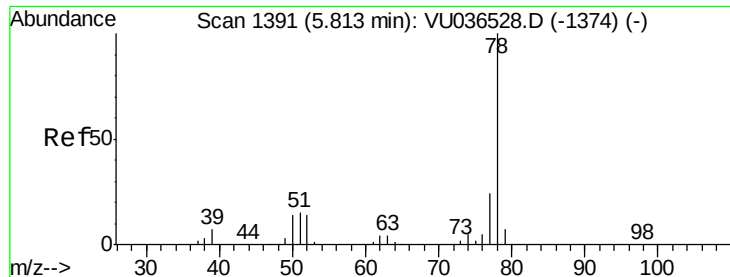
Tot Ion: 73 Resp: 48007
Ion Ratio Lower Upper
73 100
87 25.3 19.8 29.6
71 11.5 9.1 13.7



#34
Propionitrile
Concen: 9.891 ug/l
RT: 4.86 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 54 Resp: 6876
Ion Ratio Lower Upper
54 100
52 17.2 15.2 22.8
55 14.9 9.5 14.3#
40 7.5 4.6 6.8#





#35

Benzene

Concen: 2.032 ug/l

RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

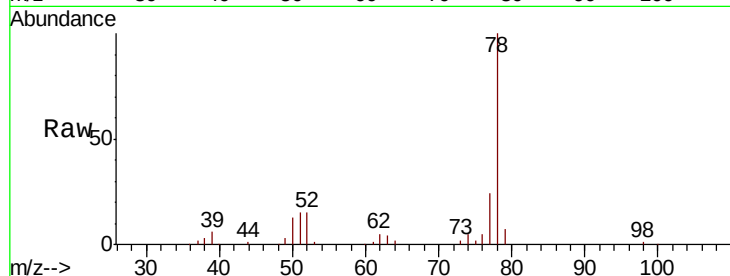
ClientSampleId :

Tot Ion: 78 Resp: 78423

Ion Ratio Lower Upper

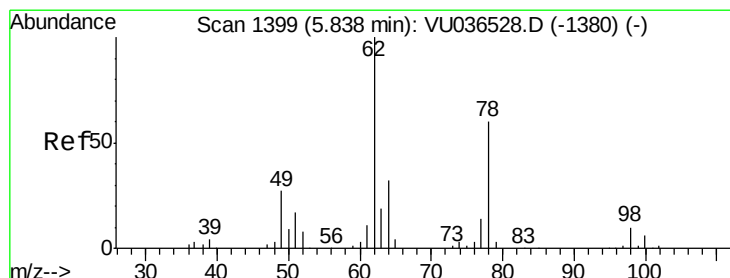
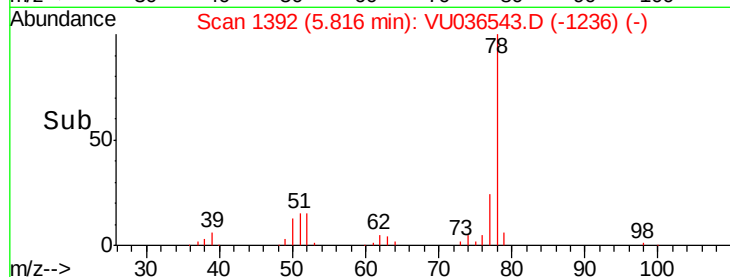
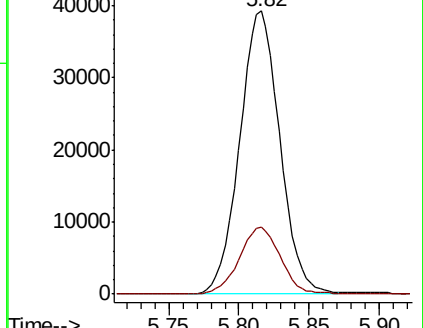
78 100

77 23.7 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU036528.D (-1374) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-1374) (-)



#36

1,2-Dichloroethane

Concen: 2.077 ug/l

RT: 5.84 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VU036543.D

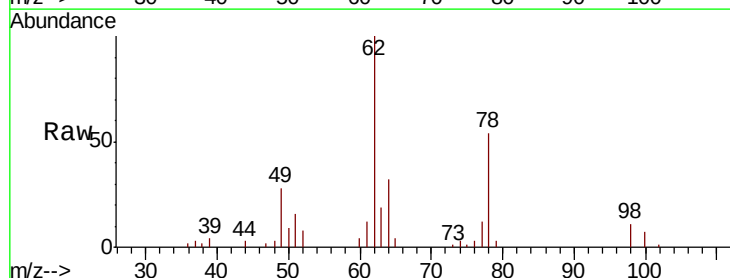
Acq: 23 Jan 2020 17:01

Tgt Ion: 62 Resp: 21573

Ion Ratio Lower Upper

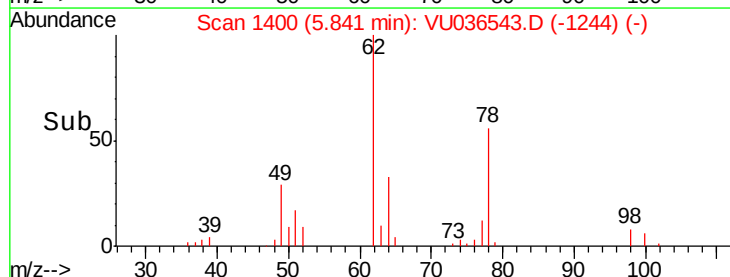
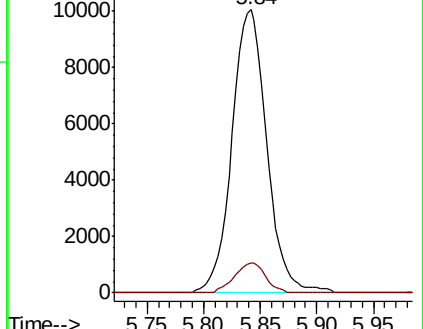
62 100

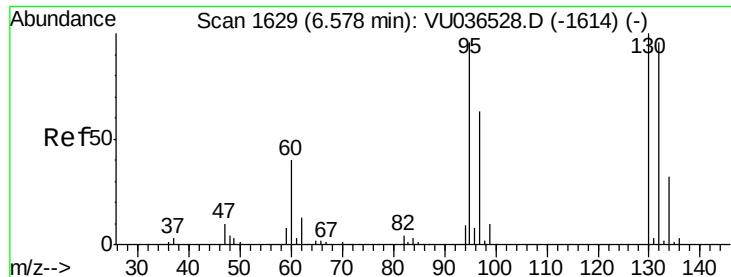
98 9.5 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU036528.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-1380) (-)





#37

Trichloroethene

Concen: 2.042 ug/l

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

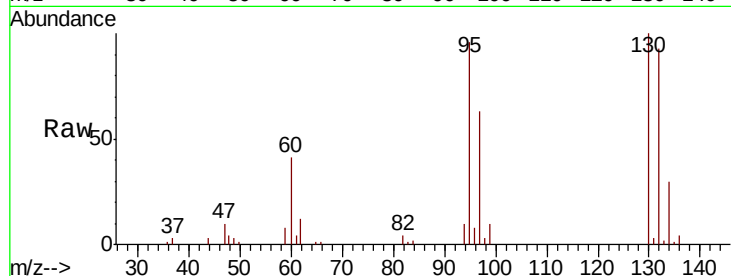
ClientSampleId :

Tot Ion:130 Resp: 21755

Ion Ratio Lower Upper

130 100

95 96.4 77.0 115.4



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

Ion 94.90 (94.60 to 95.60): VU036528.D (-1614) (-)

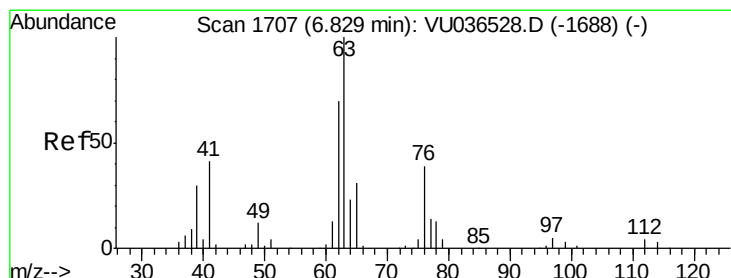
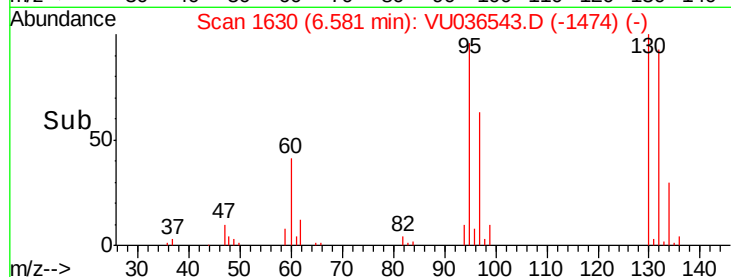
6.58

10000

5000

0

Time-->



#38

1,2-Dichloropropane

Concen: 2.060 ug/l

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036543.D

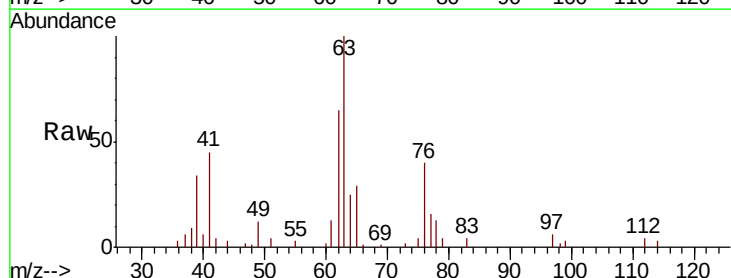
Acq: 23 Jan 2020 17:01

Tgt Ion: 63 Resp: 19982

Ion Ratio Lower Upper

63 100

65 29.2 24.7 37.1



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

Ion 65.00 (64.70 to 65.70): VU036528.D (-1688) (-)

6.83

12000

10000

8000

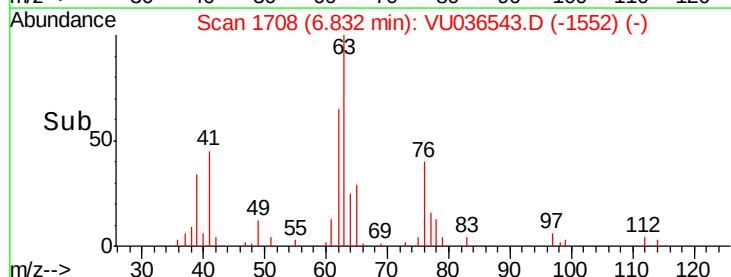
6000

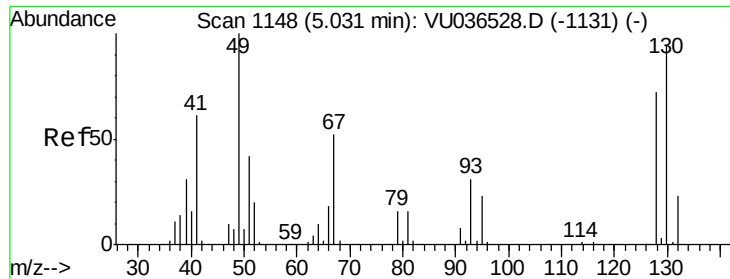
4000

2000

0

Time-->

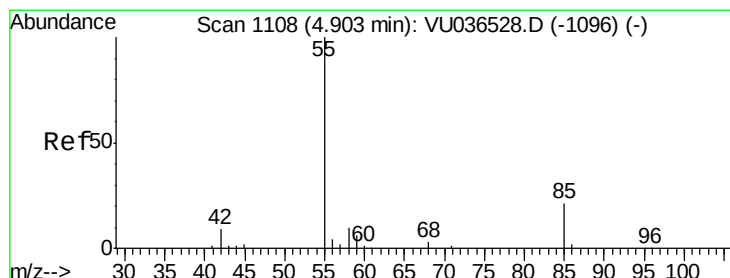
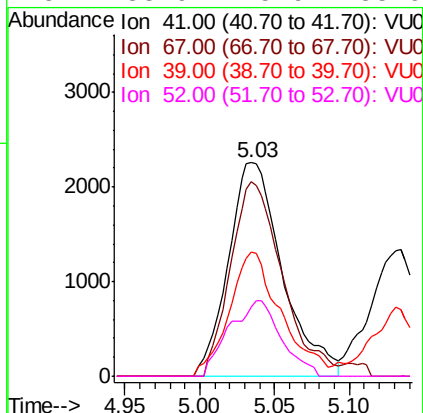
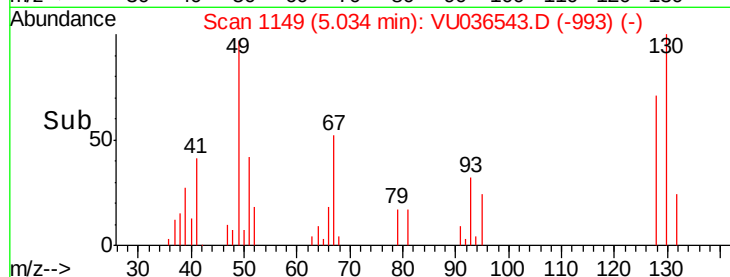
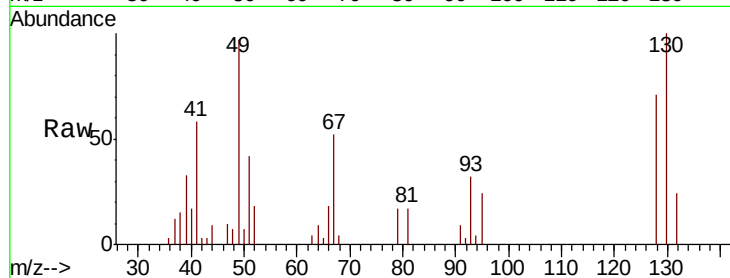




#39
Methacrylonitrile
Concen: 1.946 ug/l
RT: 5.03 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

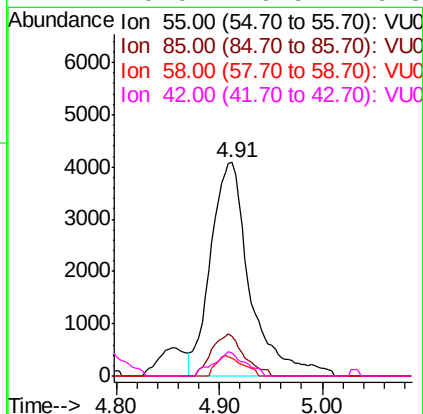
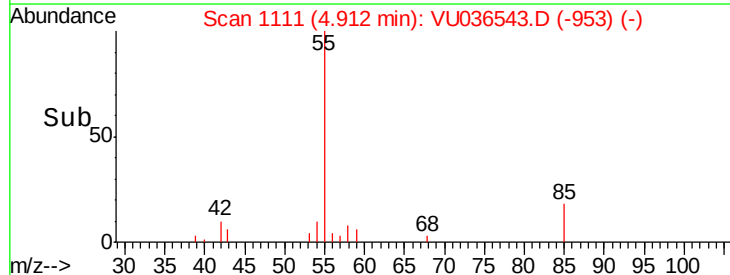
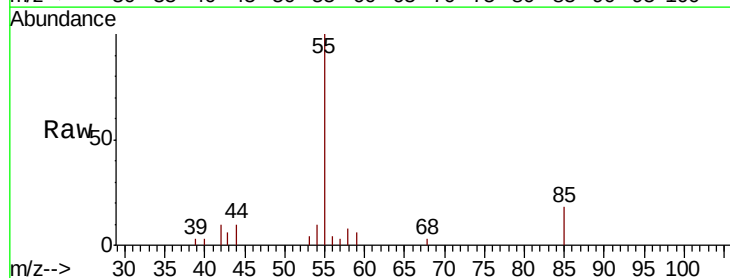
Instrument :
MSVOA_U
ClientSampleId :

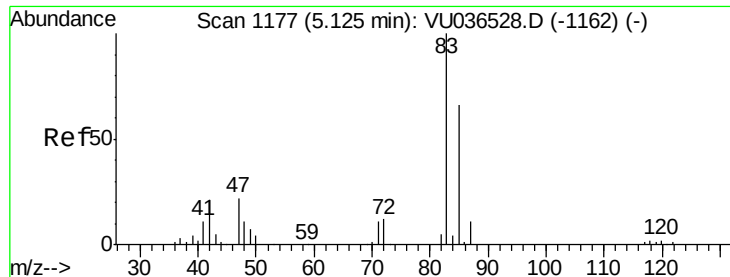
Tot Ion: 41 Resp: 5685
Ion Ratio Lower Upper
41 100
67 87.1 69.6 104.4
39 55.3 41.6 62.4
52 33.9 25.9 38.9



#40
Methyl acrylate
Concen: 2.334 ug/l
RT: 4.91 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 55 Resp: 10807
Ion Ratio Lower Upper
55 100
85 16.1 14.7 22.1
58 6.2 7.1 10.7#
42 9.0 6.9 10.3





#41

Tetrahydrofuran

Concen: 4.057 ug/l

RT: 5.13 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

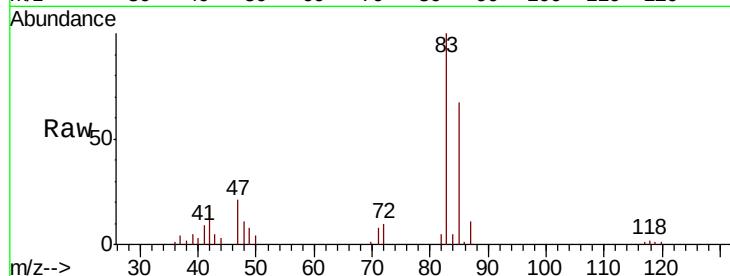
Tot Ion: 42 Resp: 6457

Ion Ratio Lower Upper

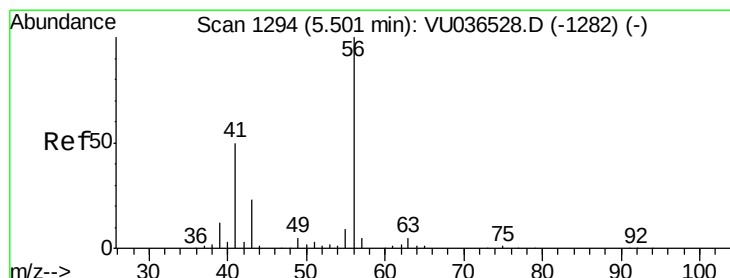
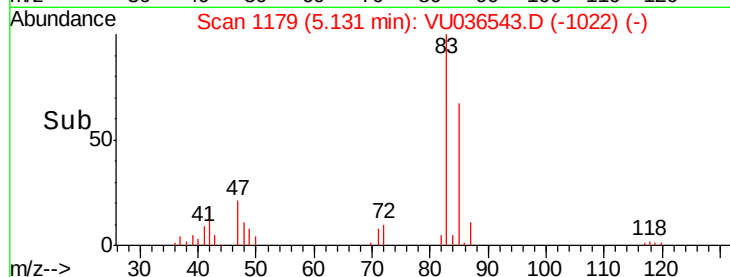
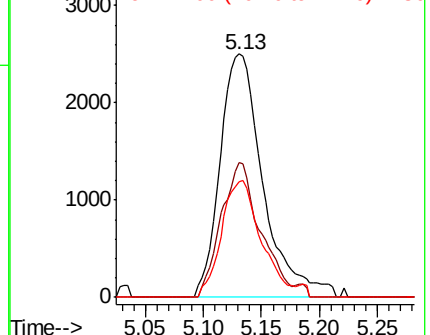
42 100

72 50.3 42.5 63.7

71 44.1 37.3 55.9



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: 1.988 ug/l

RT: 5.50 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VU036543.D

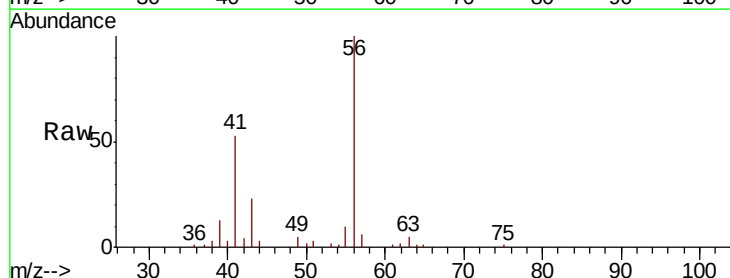
Acq: 23 Jan 2020 17:01

Tgt Ion: 56 Resp: 34317

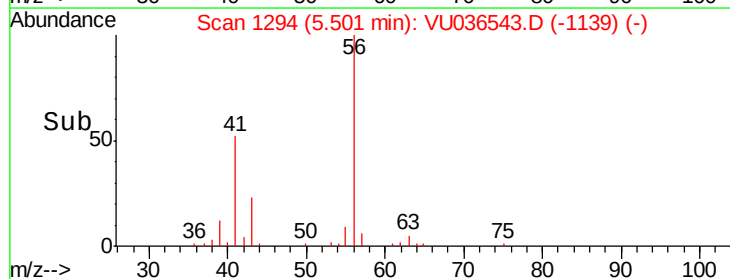
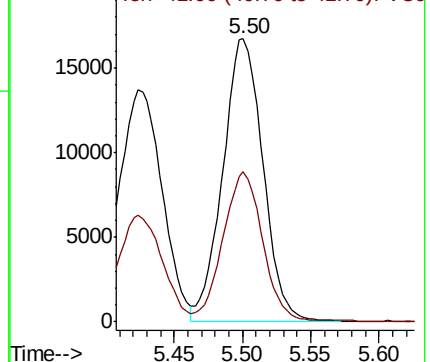
Ion Ratio Lower Upper

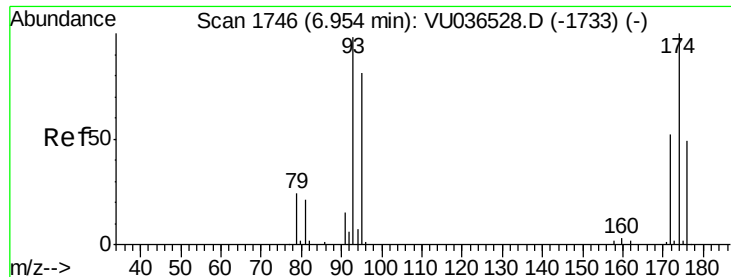
56 100

41 51.0 24.8 74.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0

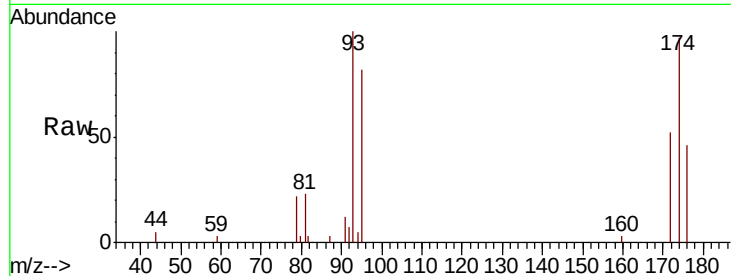




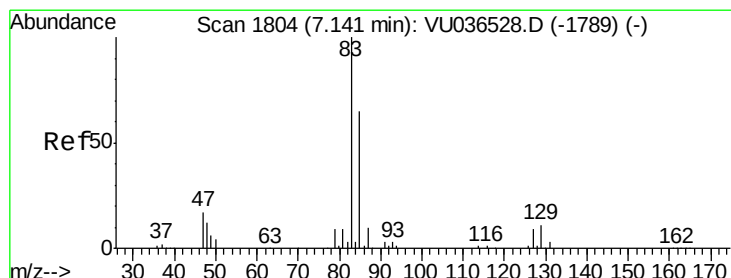
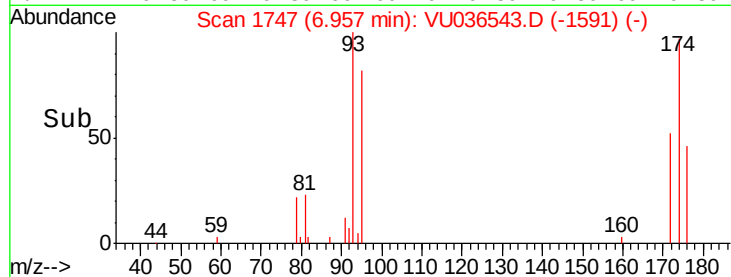
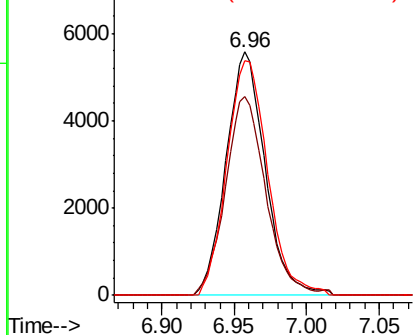
#43
 Dibromomethane
 Concen: 2.060 ug/l
 RT: 6.96 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 93 Resp: 10432
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.9 101.9
 174 100.6 83.4 125.0

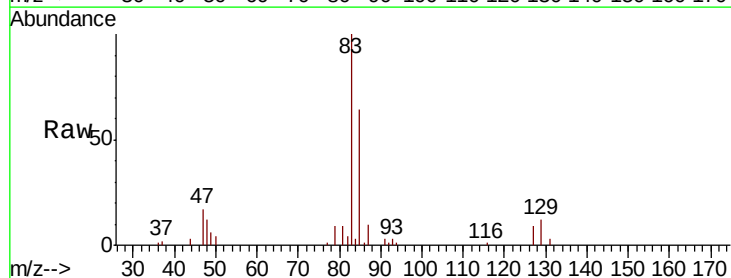


Abundance Ion 93.00 (92.70 to 93.70): VU0
 Ion 95.00 (94.70 to 95.70): VU0
 Ion 174.00 (173.70 to 174.70): V

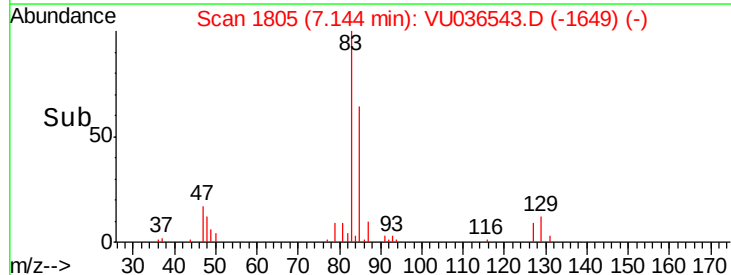
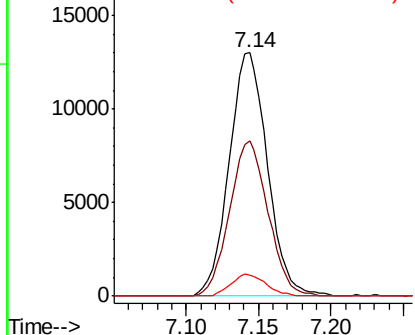


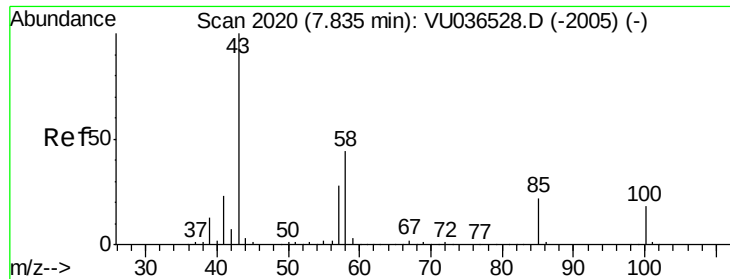
#44
 Bromodichloromethane
 Concen: 1.994 ug/l
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion: 83 Resp: 23881
 Ion Ratio Lower Upper
 83 100
 85 64.0 51.8 77.6
 127 8.8 6.8 10.2



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





#45

4-Methyl-2-Pentanone

Concen: 9.895 ug/l

RT: 7.84 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :

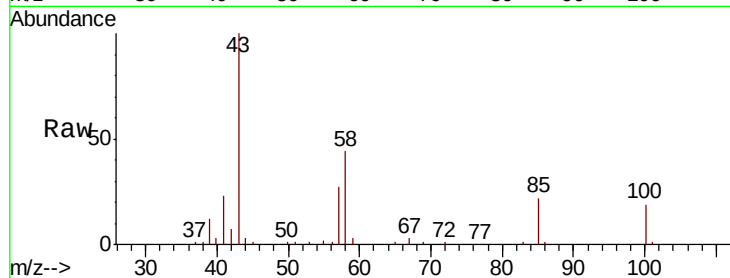
Tot Ion: 43 Resp: 56455

Ion Ratio Lower Upper

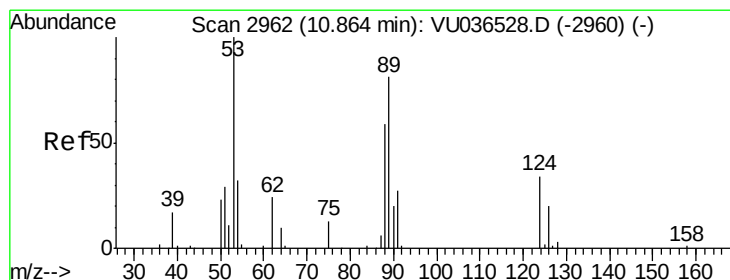
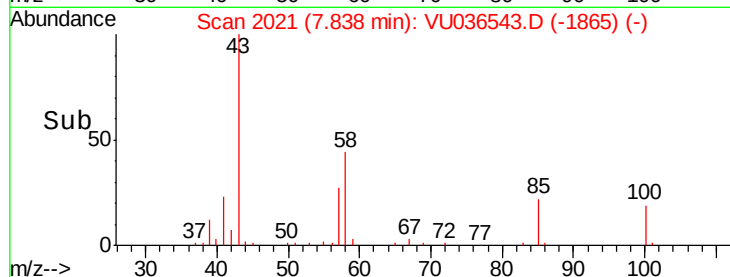
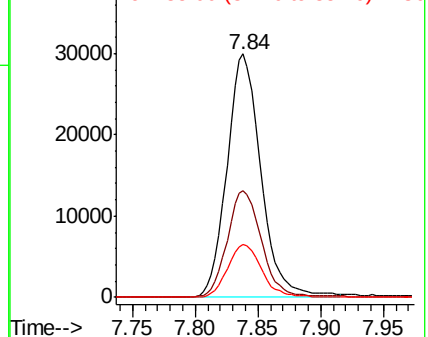
43 100

58 44.1 22.1 66.1

85 21.7 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 9.405 ug/l

RT: 10.85 min Scan# 2959

Delta R.T. -0.01 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Tgt Ion: 75 Resp: 23632

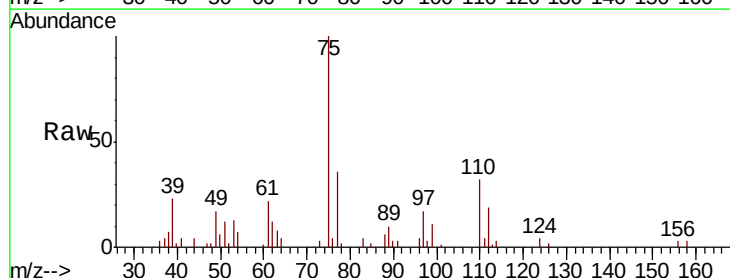
Ion Ratio Lower Upper

75 100

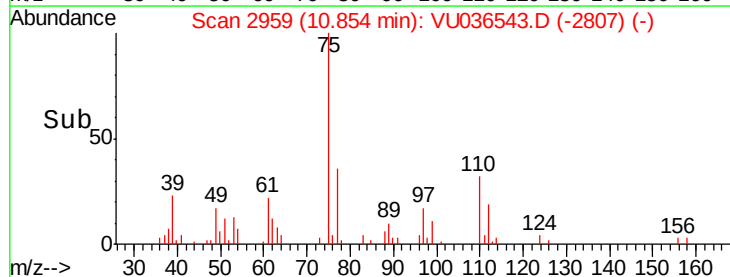
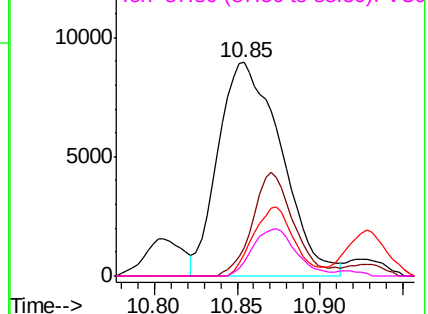
53 31.4 52.2 78.2#

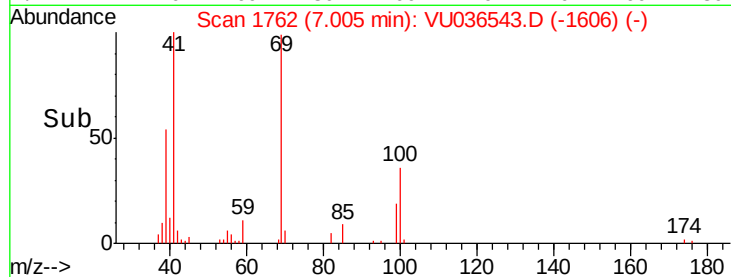
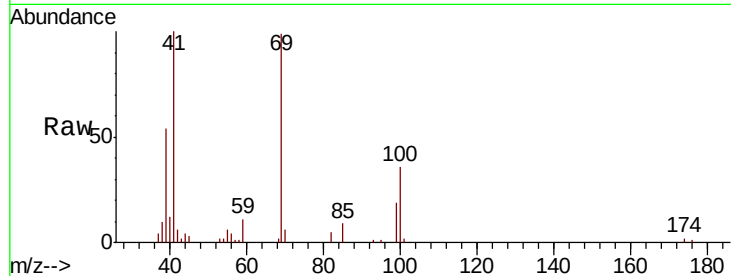
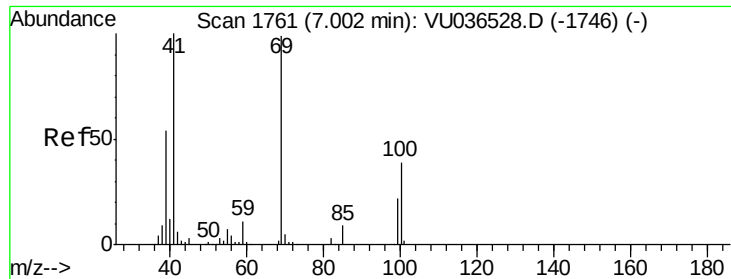
89 21.0 39.8 59.6#

88 15.3 27.4 41.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

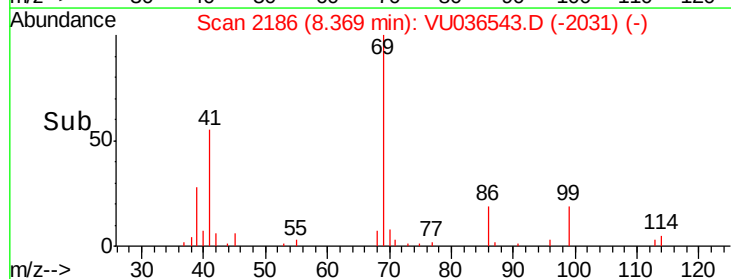
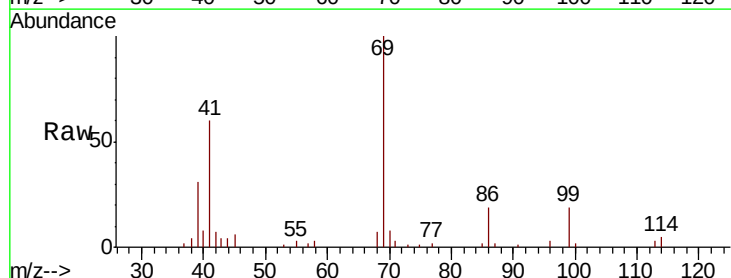
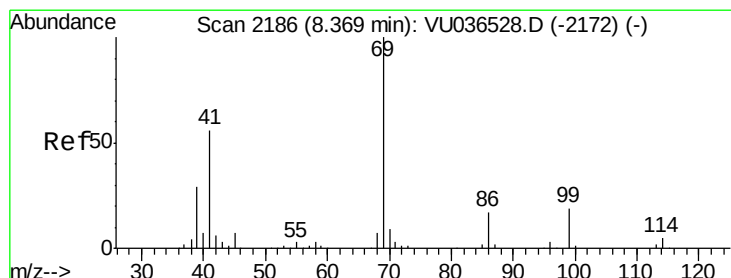
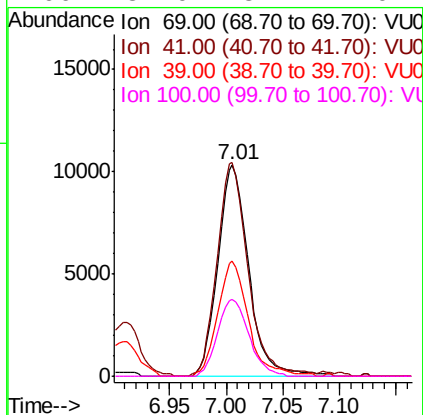




#47
Methyl methacrylate
Concen: 3.944 ug/l
RT: 7.01 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

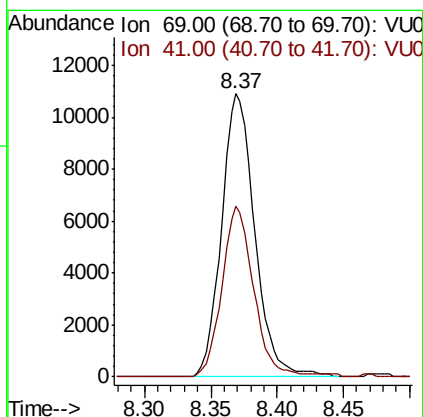
Instrument :
MSVOA_U
ClientSampleId :

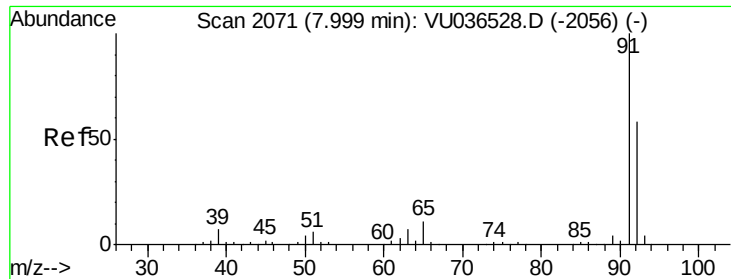
Tot Ion: 69 Resp: 19571
Ion Ratio Lower Upper
69 100
41 101.7 0.0 200.8
39 54.4 43.5 65.3
100 37.0 31.1 46.7



#48
Ethyl methacrylate
Concen: 1.978 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 69 Resp: 18958
Ion Ratio Lower Upper
69 100
41 57.7 27.9 83.6





#49

Toluene

Concen: 1.983 ug/l

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

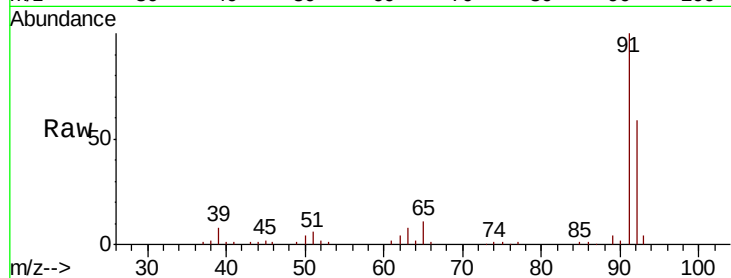
ClientSampled :

Tot Ion: 92 Resp: 48846

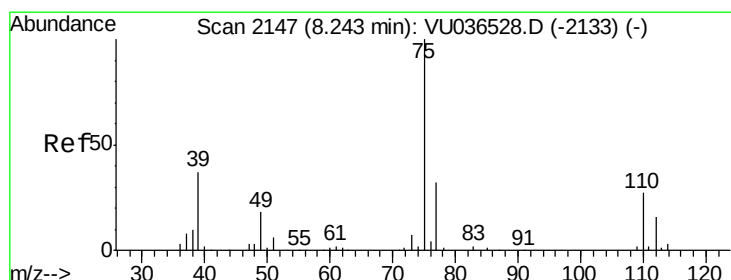
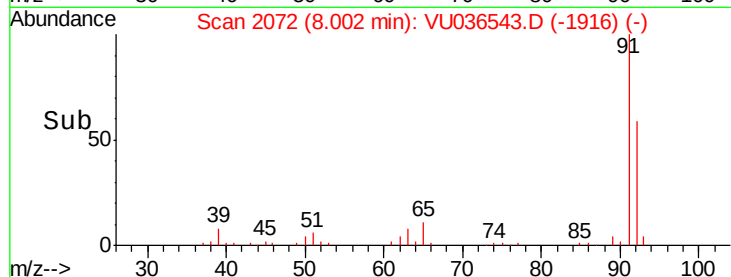
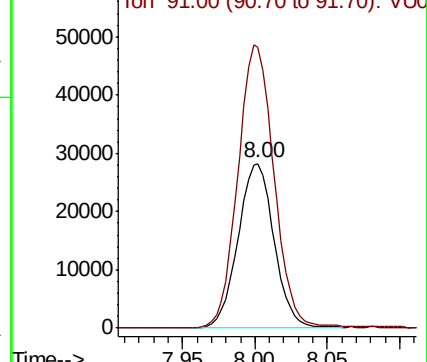
Ion Ratio Lower Upper

92 100

91 173.6 139.1 208.7



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



#50

t-1,3-Dichloropropene

Concen: 2.002 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036543.D

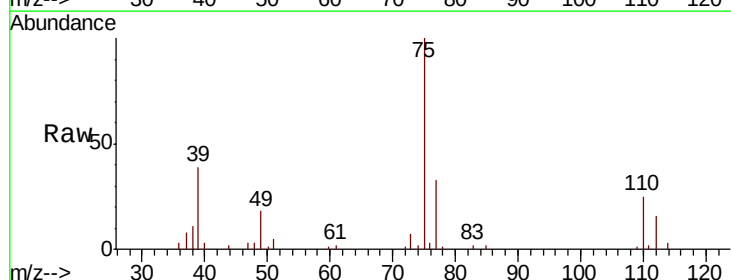
Acq: 23 Jan 2020 17:01

Tgt Ion: 75 Resp: 23898

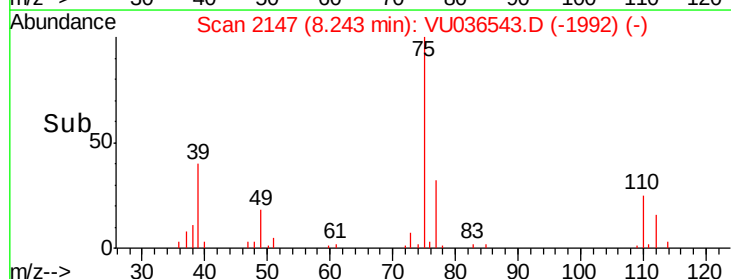
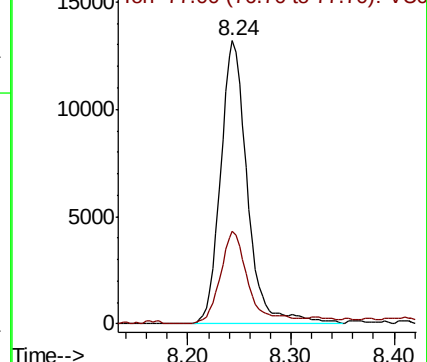
Ion Ratio Lower Upper

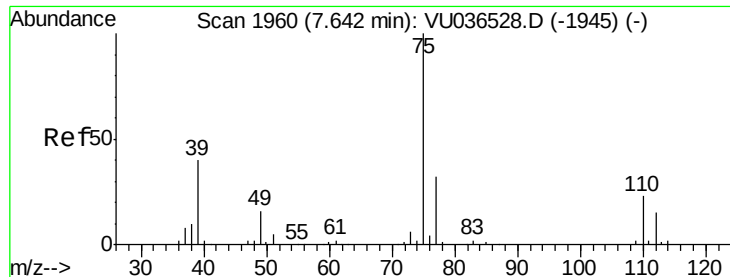
75 100

77 32.7 25.4 38.2



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



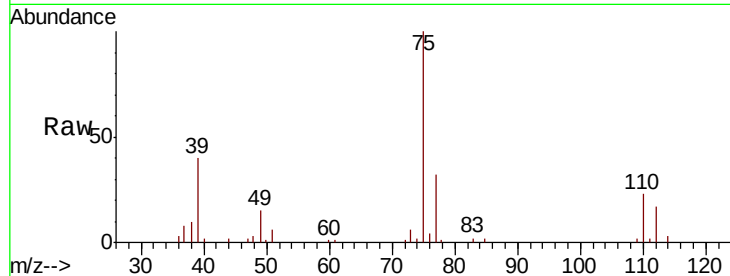


#51

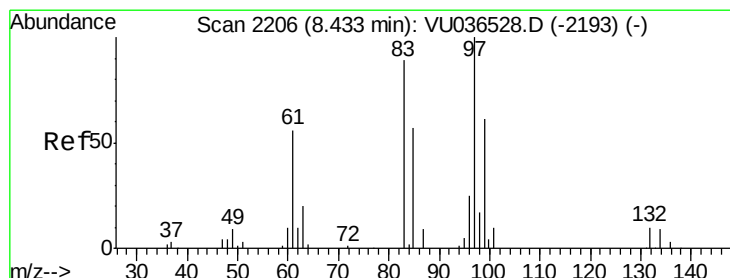
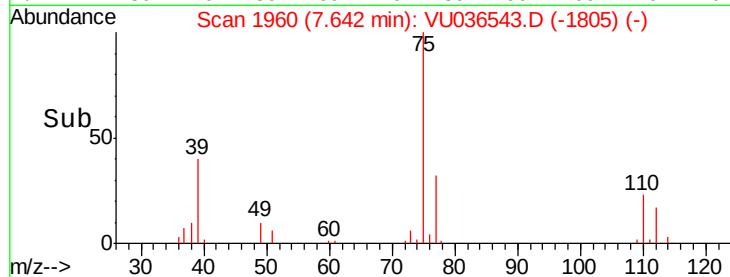
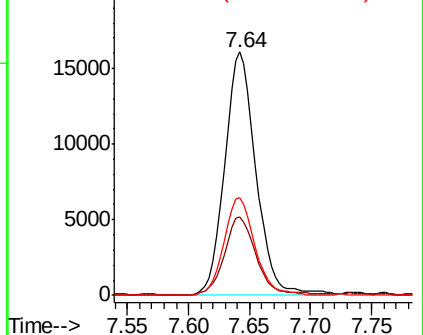
cis-1,3-Dichloropropene
Concen: 2.003 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 28974
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
39 40.2 31.8 47.6



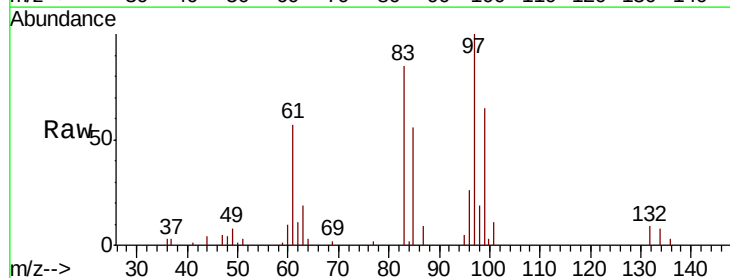
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



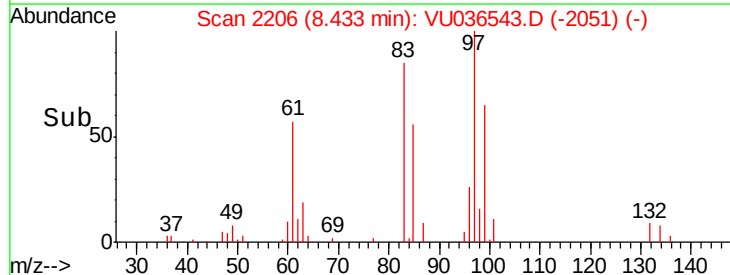
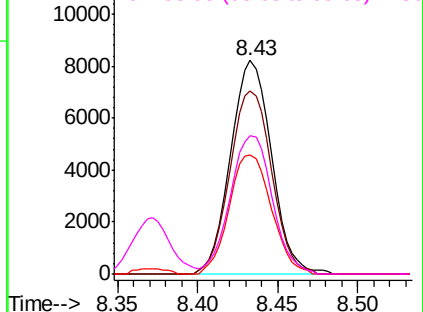
#52

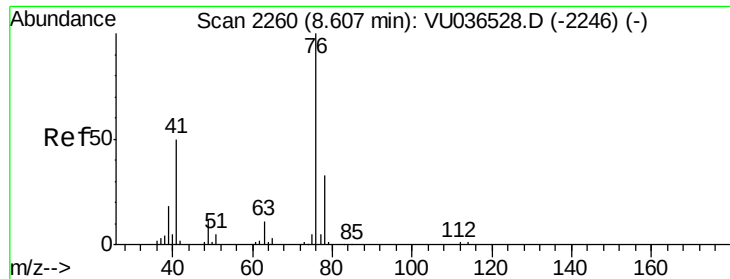
1,1,2-Trichloroethane
Concen: 1.999 ug/l
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 97 Resp: 14362
Ion Ratio Lower Upper
97 100
83 85.5 70.9 106.3
85 55.9 45.6 68.4
99 64.6 51.0 76.4



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





#53

1,3-Dichloropropane

Concen: 2.115 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

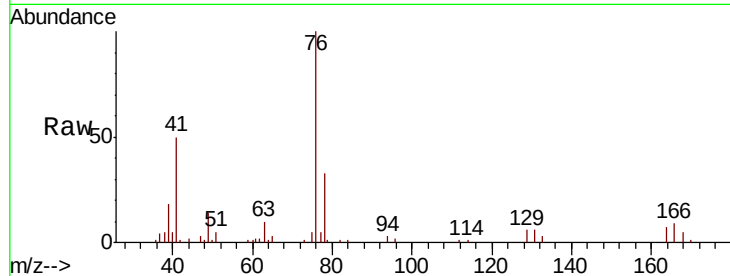
ClientSampleId :

Tot Ion: 76 Resp: 26053

Ion Ratio Lower Upper

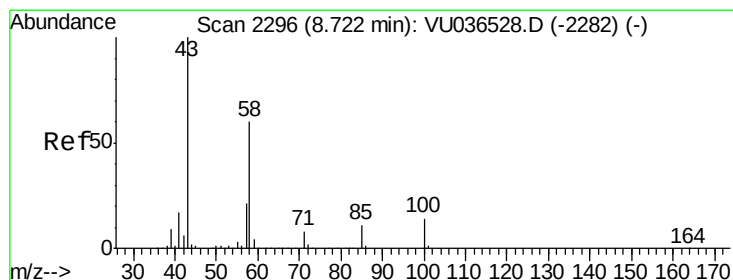
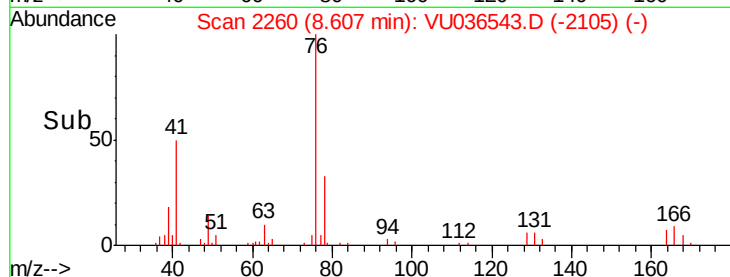
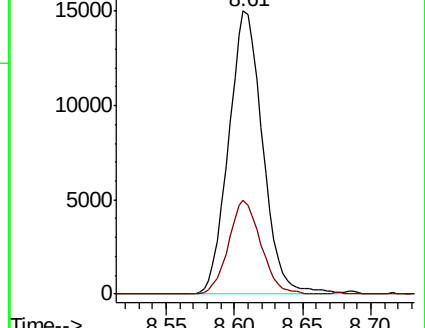
76 100

78 31.4 25.4 38.2



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

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



#54

2-Hexanone

Concen: 9.667 ug/l

RT: 8.73 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

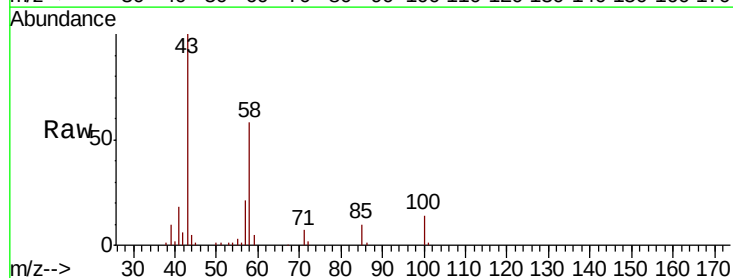
Tgt Ion: 43 Resp: 38682

Ion Ratio Lower Upper

43 100

58 60.5 40.6 80.6

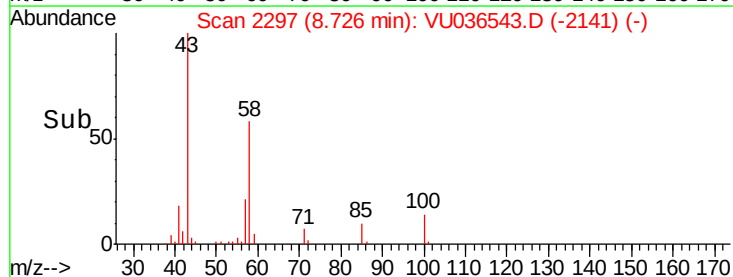
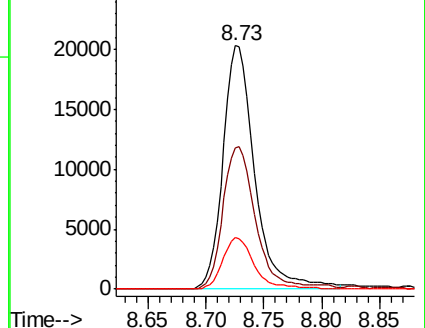
57 20.9 1.2 41.2

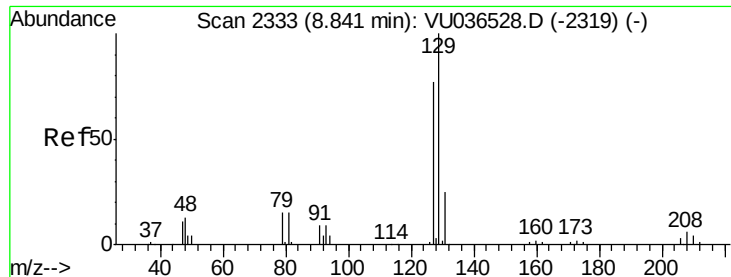


Abundance Ion 43.00 (42.70 to 43.70): VU036528.D (-2282) (-)

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

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





#55

Dibromochloromethane

Concen: 1.991 ug/l

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

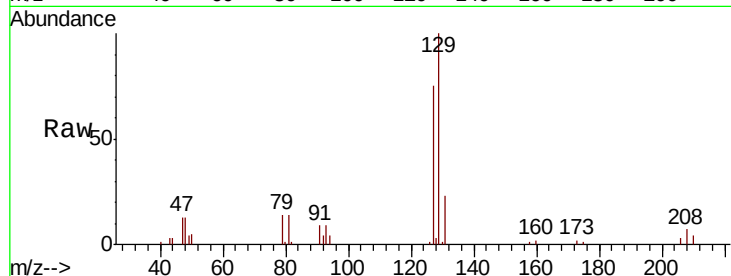
ClientSampleId :

Tot Ion:129 Resp: 16473

Ion Ratio Lower Upper

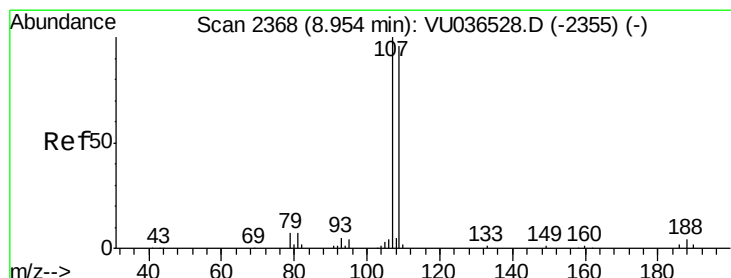
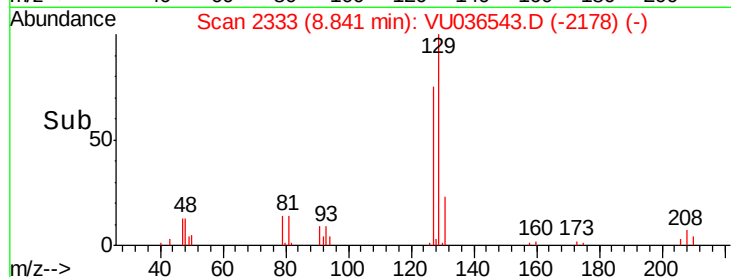
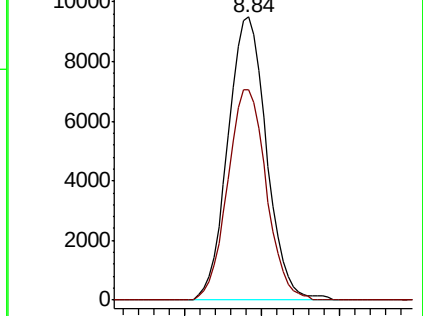
129 100

127 74.2 62.6 94.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.994 ug/l

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU036543.D

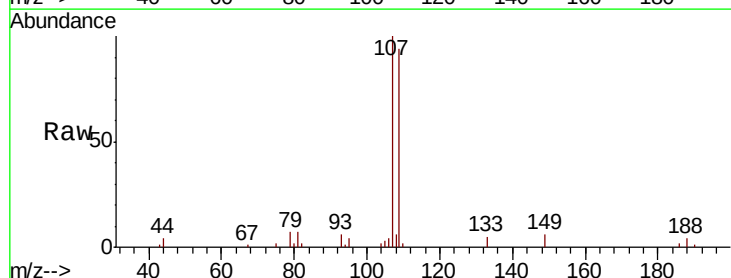
Acq: 23 Jan 2020 17:01

Tgt Ion:107 Resp: 13795

Ion Ratio Lower Upper

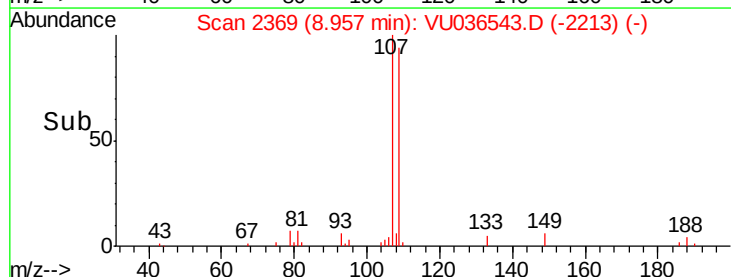
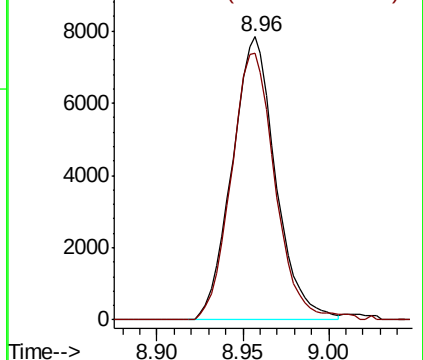
107 100

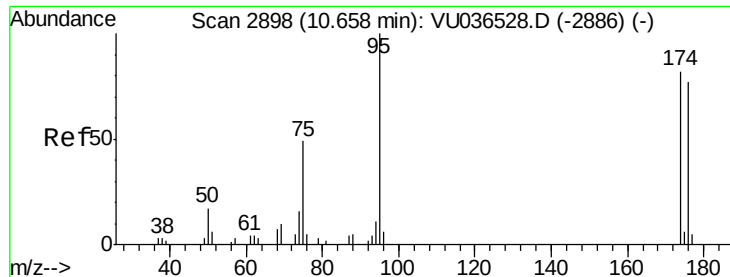
109 94.9 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

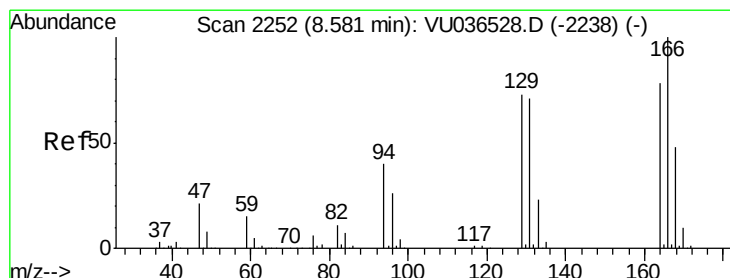
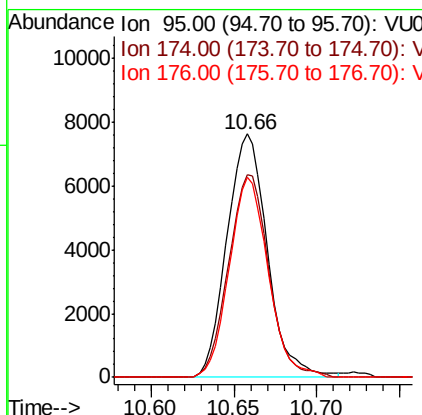
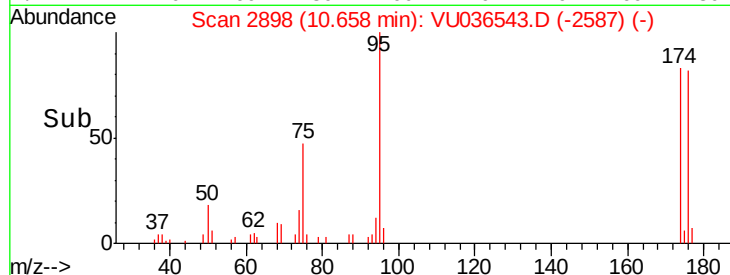
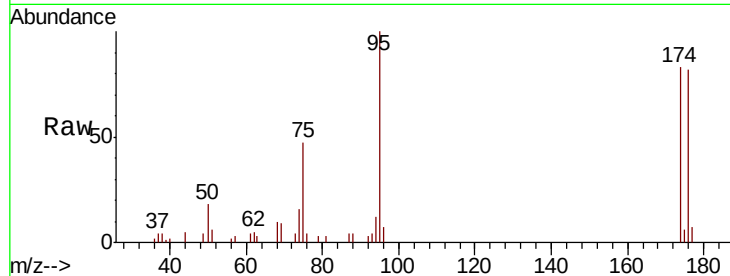




#57
4-Bromofluorobenzene
Concen: 0.984 ug/l
RT: 10.66 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

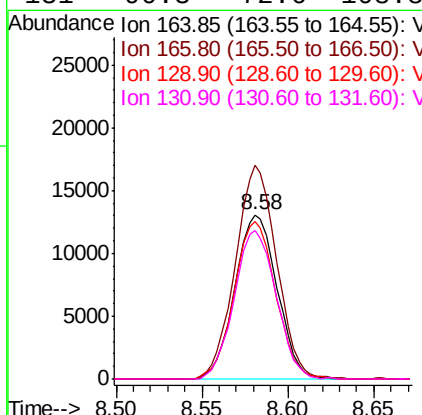
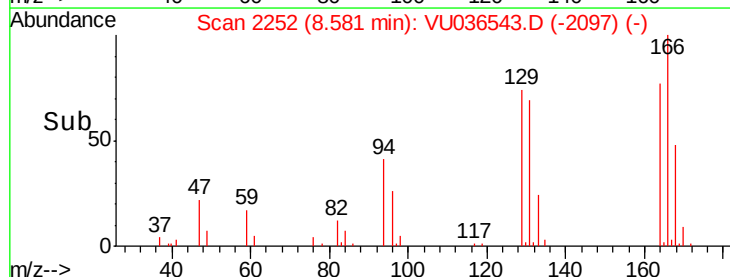
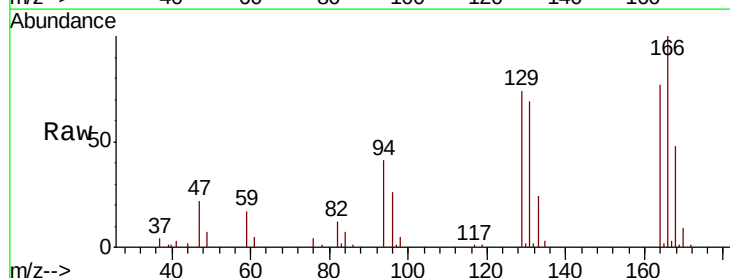
Instrument :
MSVOA_U
ClientSampled :

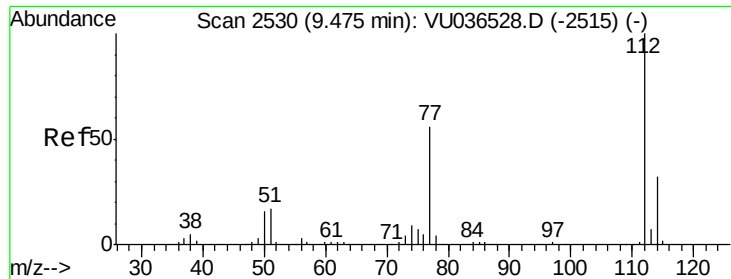
Tot Ion: 95 Resp: 12935
Ion Ratio Lower Upper
95 100
174 82.7 64.7 97.1
176 79.1 60.6 91.0



#58
Tetrachloroethene
Concen: 2.098 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 164 Resp: 22343
Ion Ratio Lower Upper
164 100
166 130.1 102.0 153.0
129 96.0 74.9 112.3
131 90.3 72.6 108.8





#59

Chlorobenzene

Concen: 2.028 ug/l

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

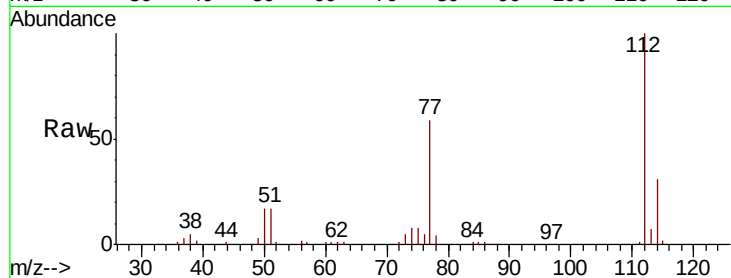
ClientSampleId :

Tot Ion:112 Resp: 55650

Ion Ratio Lower Upper

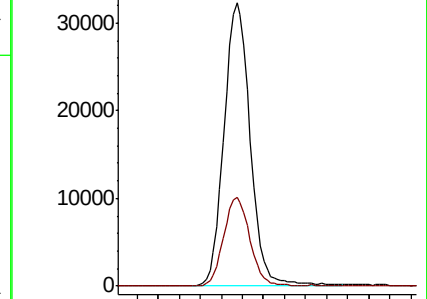
112 100

114 31.5 25.8 38.8

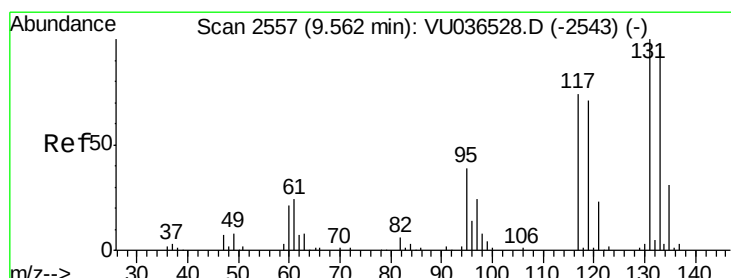
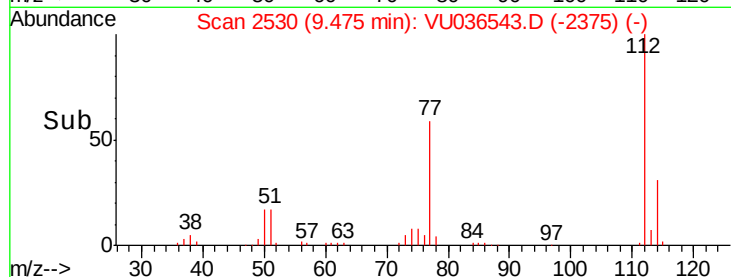


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 2.015 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

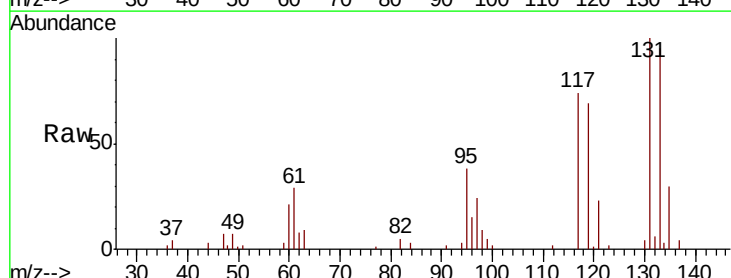
Tgt Ion:131 Resp: 17655

Ion Ratio Lower Upper

131 100

133 97.4 76.4 114.6

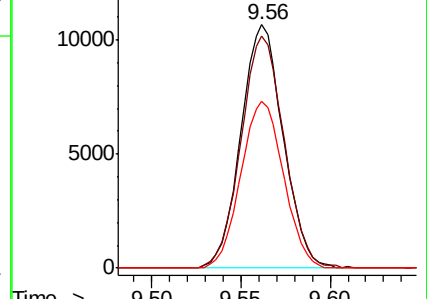
119 69.4 56.6 85.0



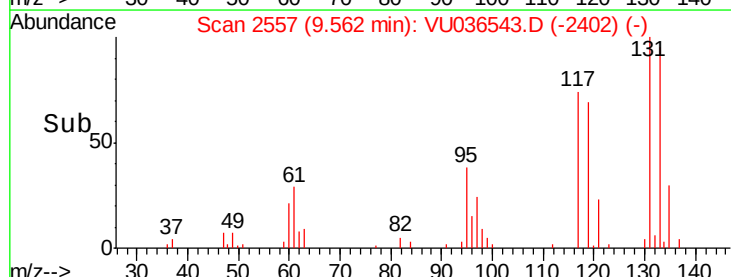
Abundance Ion 131.00 (130.70 to 131.70): V

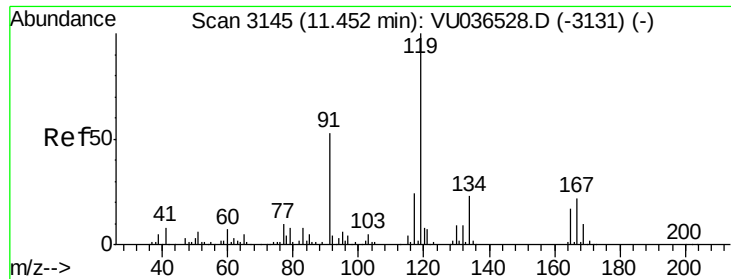
Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->

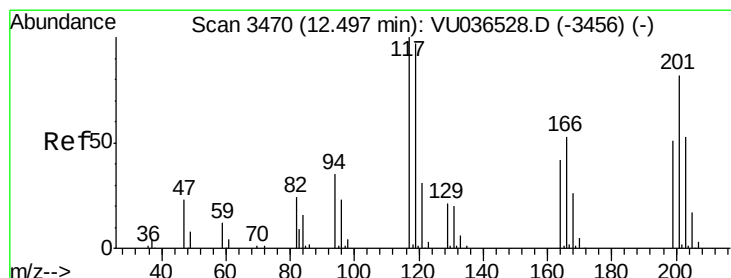
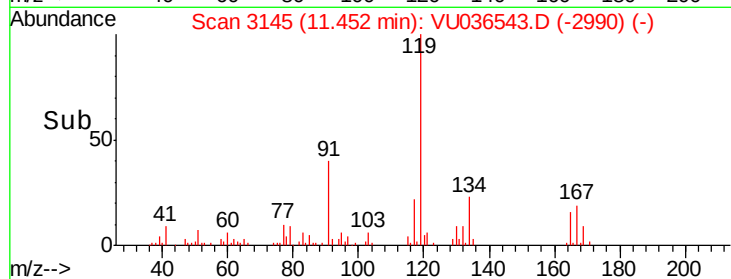
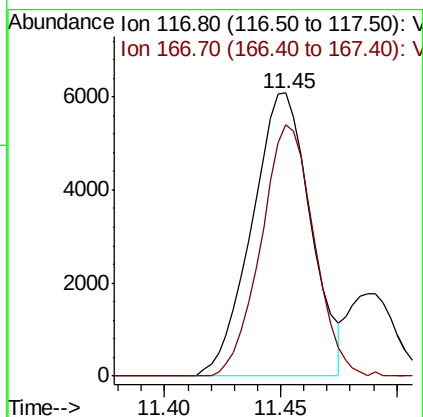
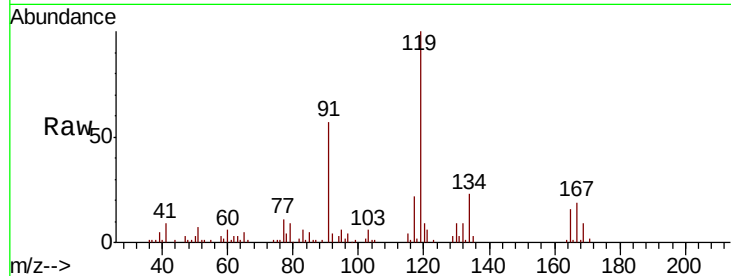




#61
 Pentachloroethane
 Concen: 1.897 ug/l
 RT: 11.45 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

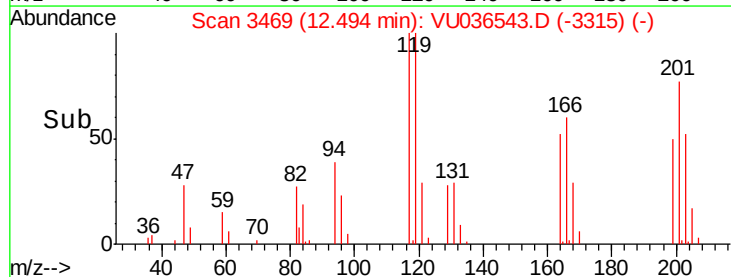
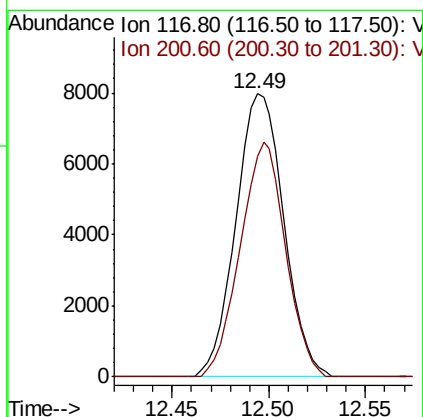
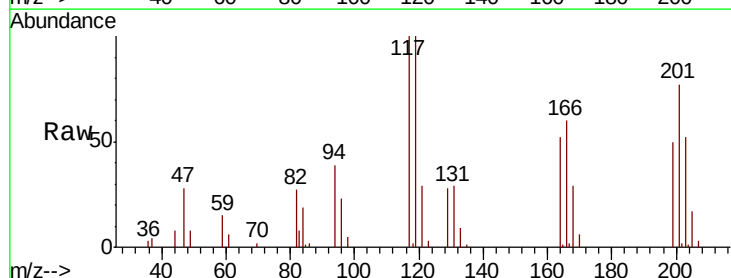
Instrument :
 MSVOA_U
 ClientSampleId :

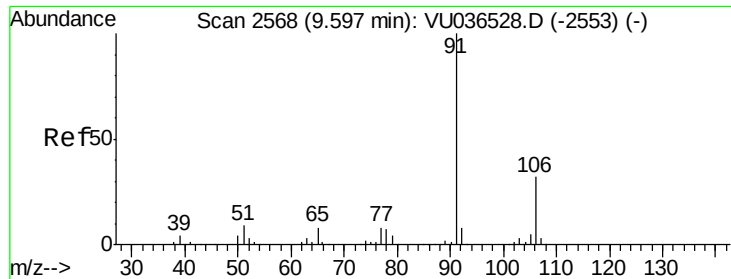
Tot Ion:117 Resp: 10723
 Ion Ratio Lower Upper
 117 100
 167 80.1 66.7 100.1



#62
 Hexachloroethane
 Concen: 1.907 ug/l
 RT: 12.49 min Scan# 3469
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion:117 Resp: 13740
 Ion Ratio Lower Upper
 117 100
 201 78.3 65.0 97.4

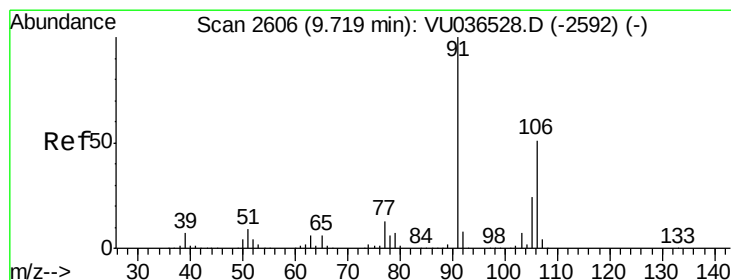
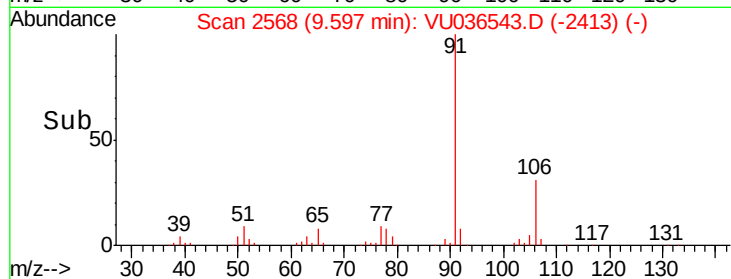
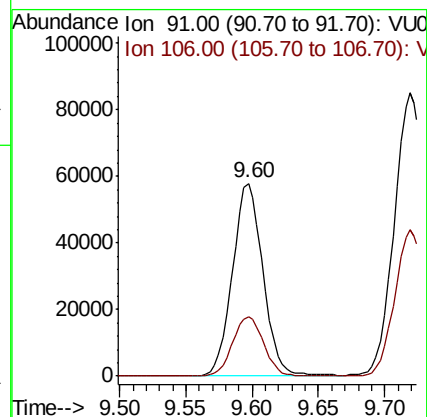
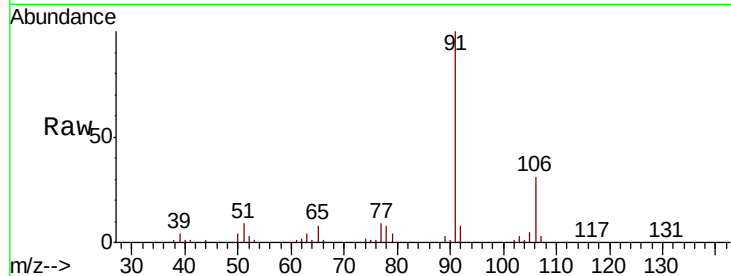




#63
Ethyl Benzene
Concen: 2.016 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

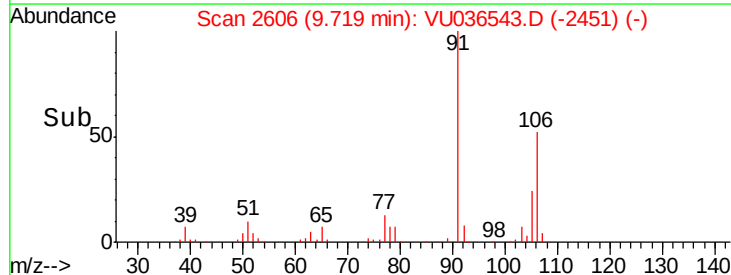
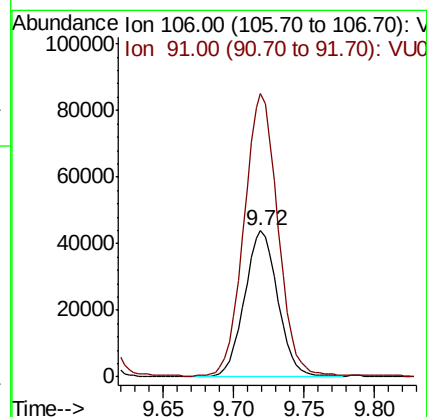
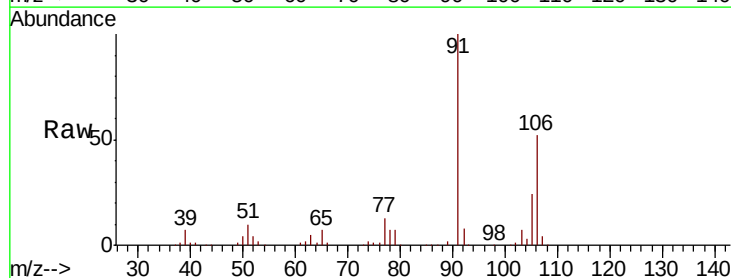
Instrument :
MSVOA_U
ClientSampled :

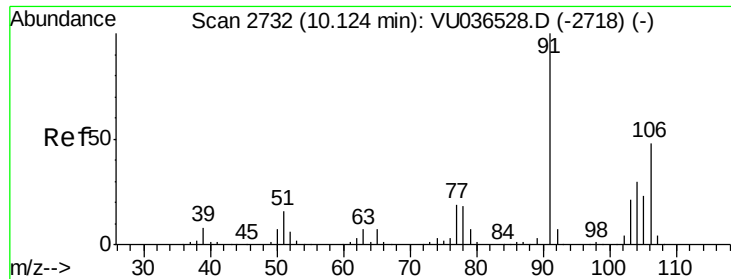
Tot Ion: 91 Resp: 92730
Ion Ratio Lower Upper
91 100
106 30.8 26.0 39.0



#64
m/p-Xylenes
Concen: 4.010 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion: 106 Resp: 72990
Ion Ratio Lower Upper
106 100
91 195.4 158.2 237.4

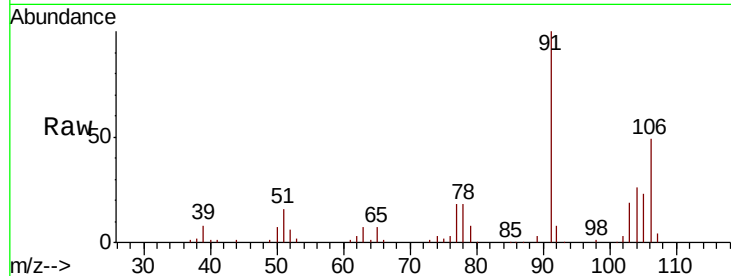




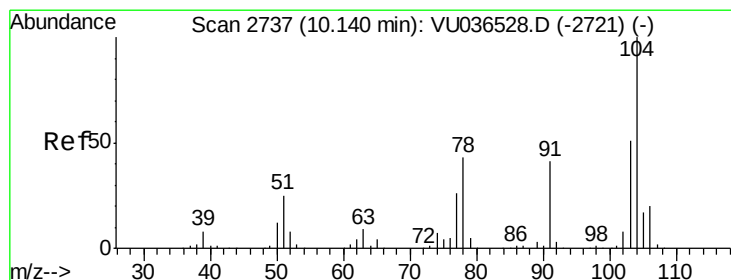
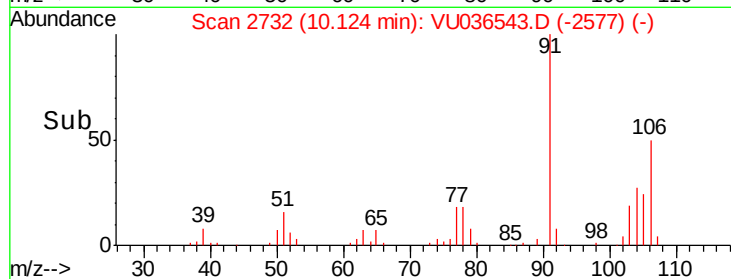
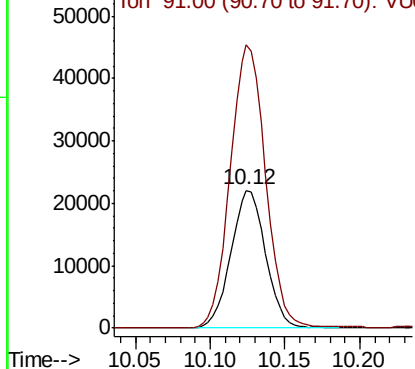
#65
o-Xylene
Concen: 2.020 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 35601
Ion Ratio Lower Upper
106 100
91 209.6 104.3 312.9

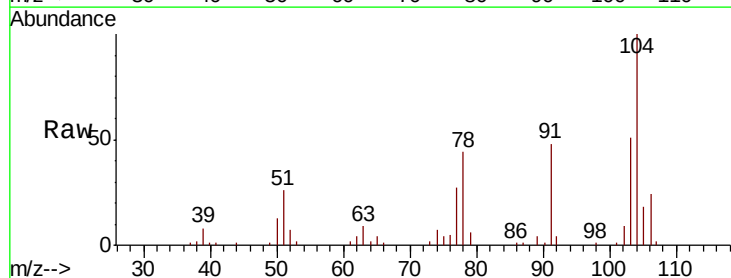


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

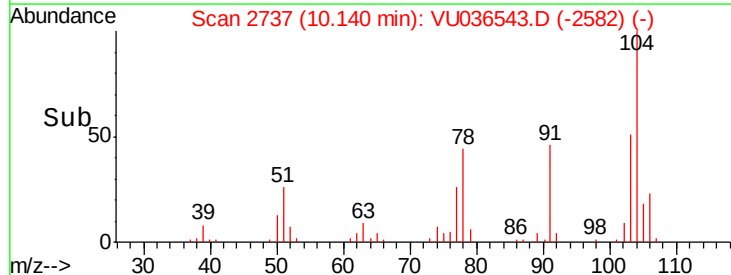
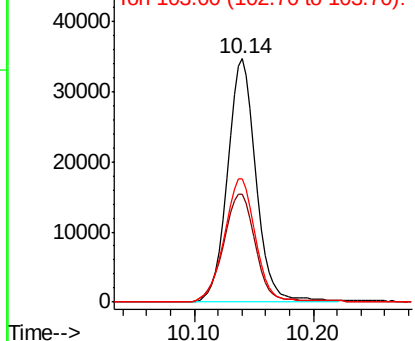


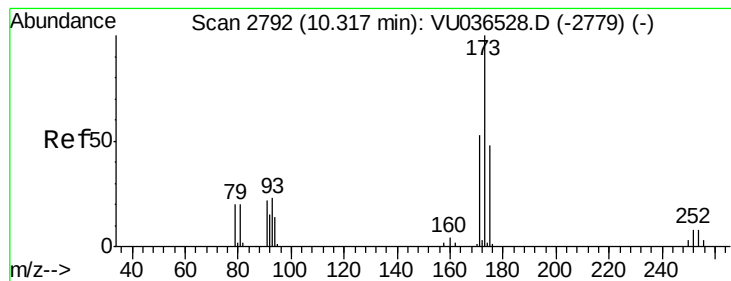
#66
Styrene
Concen: 1.954 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion:104 Resp: 57668
Ion Ratio Lower Upper
104 100
78 49.7 38.6 57.8
103 55.6 44.4 66.6



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





#67

Bromoform

Concen: 1.900 ug/l

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

ClientSampleId :

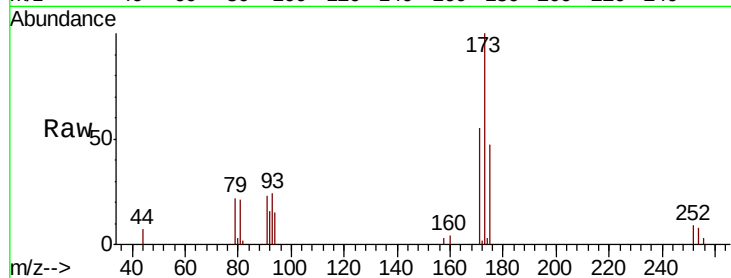
Tot Ion:173 Resp: 8997

Ion Ratio Lower Upper

173 100

175 48.1 38.3 57.5

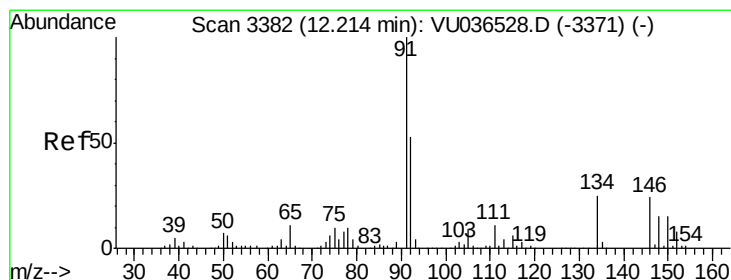
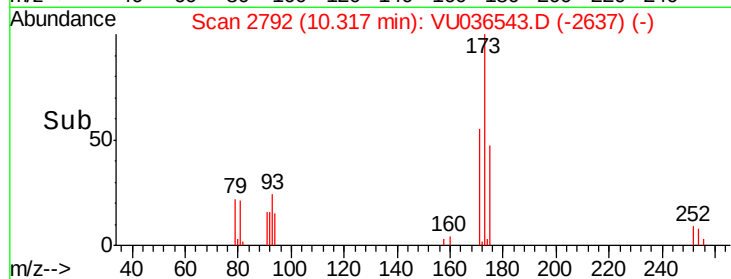
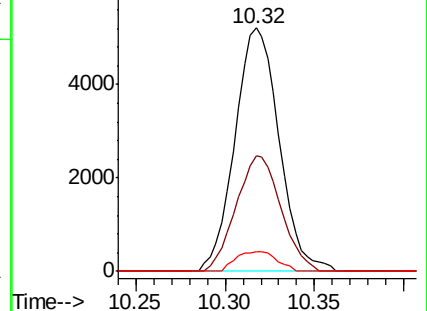
254 7.6 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.982 ug/l

RT: 12.21 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

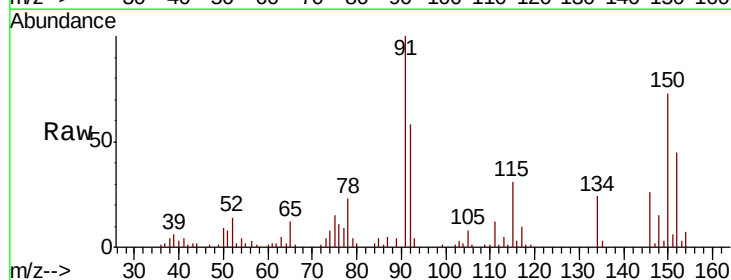
Tgt Ion:152 Resp: 13216

Ion Ratio Lower Upper

152 100

115 78.3 0.0 241.8

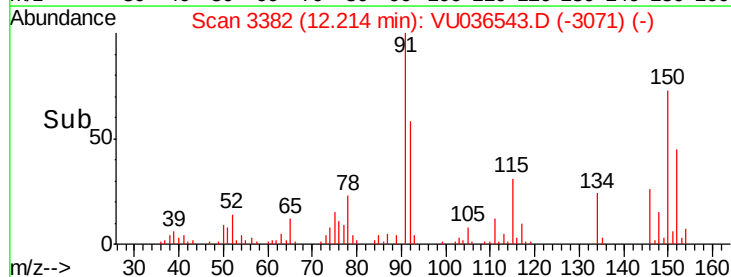
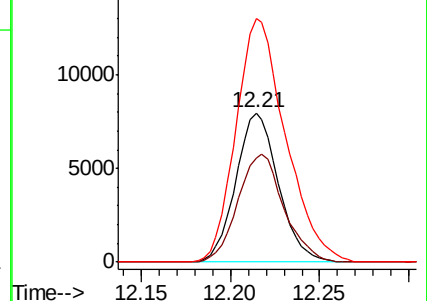
150 190.8 0.0 652.4

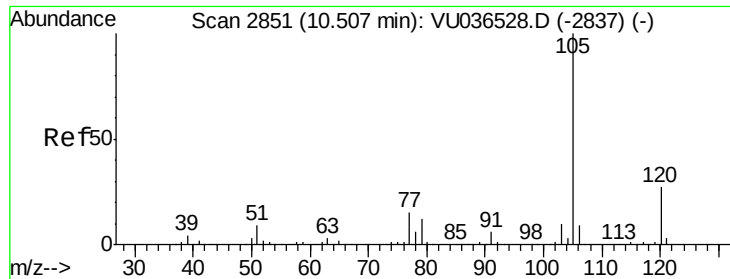


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 2.008 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

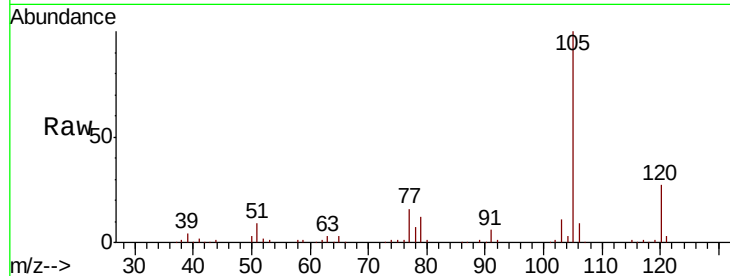
ClientSampleId :

Tot Ion:105 Resp: 92999

Ion Ratio Lower Upper

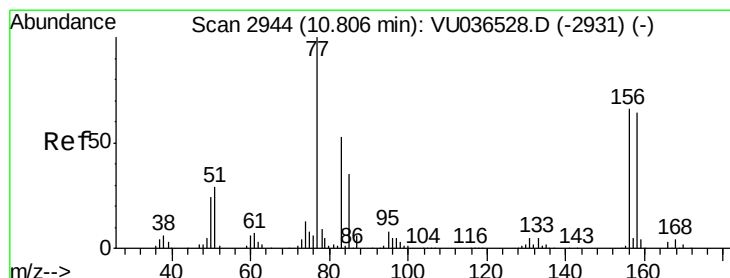
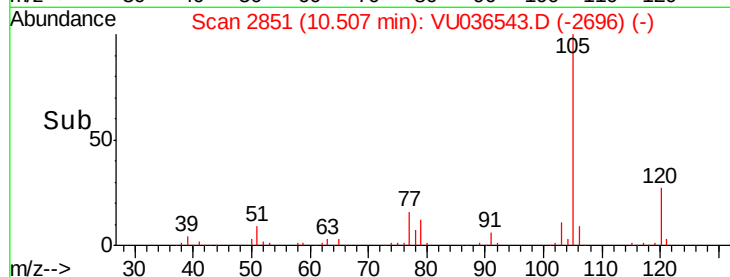
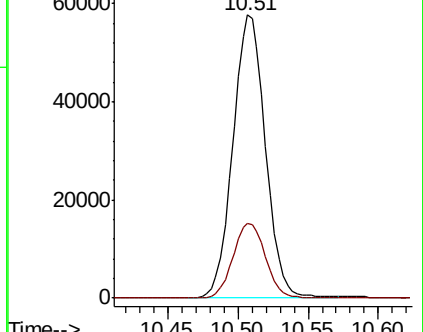
105 100

120 26.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 2.069 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

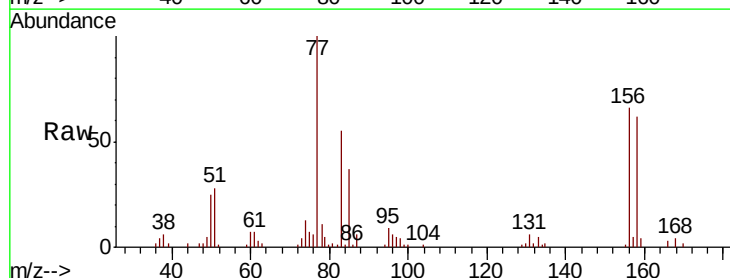
Tgt Ion: 83 Resp: 18759

Ion Ratio Lower Upper

83 100

131 8.8 7.8 11.8

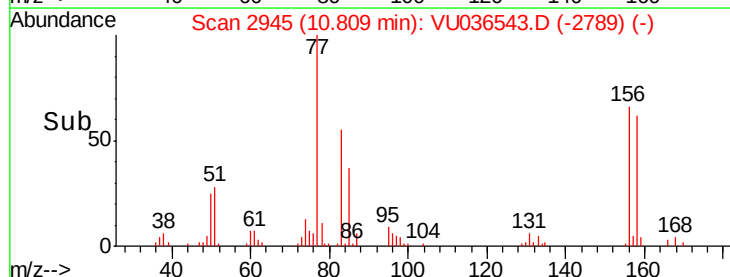
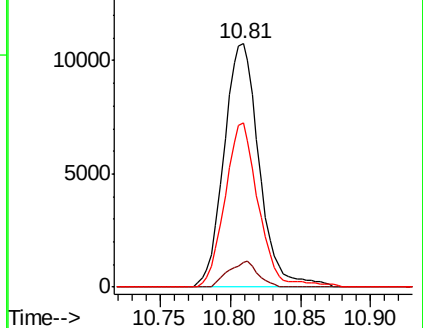
85 62.4 53.2 79.8

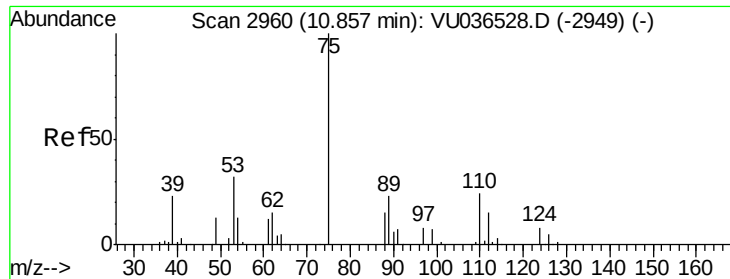


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

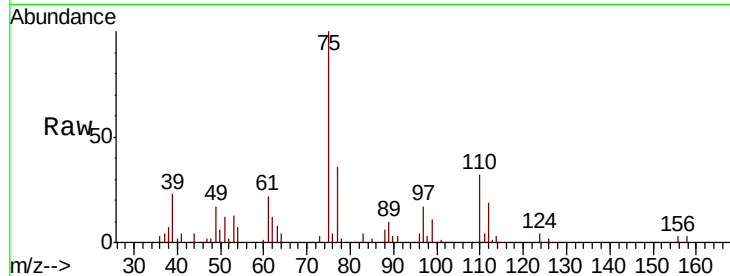




#71
 1,2,3-Trichloropropane
 Concen: 3.654 ug/l
 RT: 10.85 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	75	Resp:	23632
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	129.6
110	21.1	0.0	77.4
97	11.3	0.0	42.0



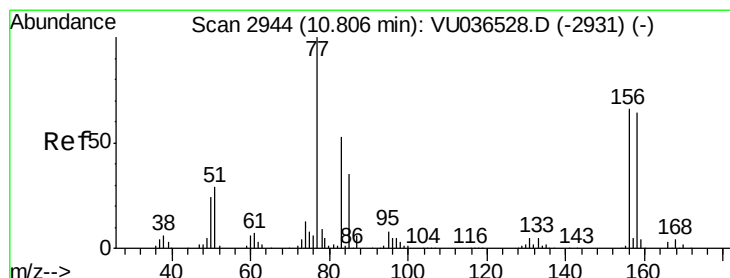
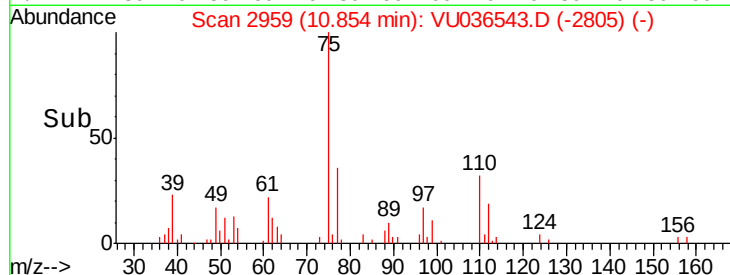
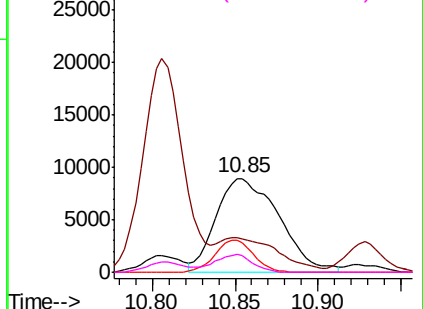
Abundance

Ion 75.00 (74.70 to 75.70): VU036528.D (-2949) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-2949) (-)

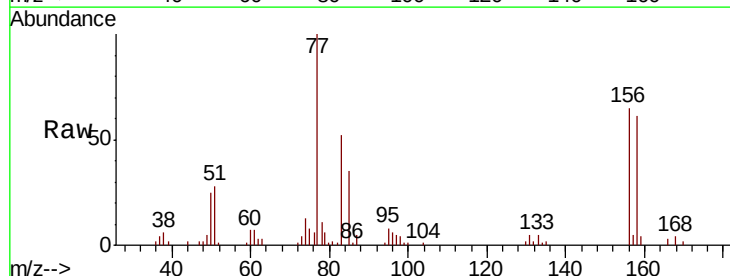
Ion 110.00 (109.70 to 110.70): VU036528.D (-2949) (-)

Ion 97.00 (96.70 to 97.70): VU036528.D (-2949) (-)



#72
 Bromobenzene
 Concen: 2.000 ug/l
 RT: 10.81 min Scan# 2944
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion:	156	Resp:	22312
Ion	Ratio	Lower	Upper
156	100		
77	154.2	0.0	306.6
158	96.5	0.0	192.0

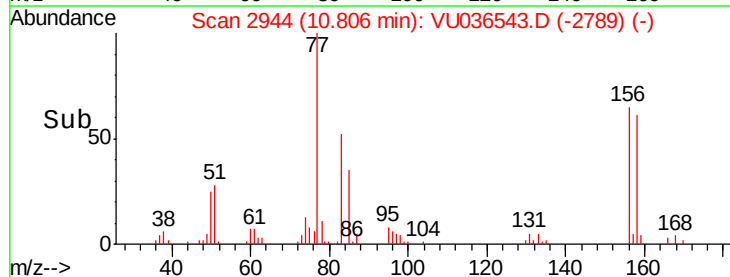
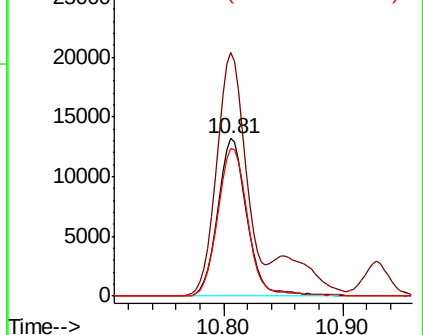


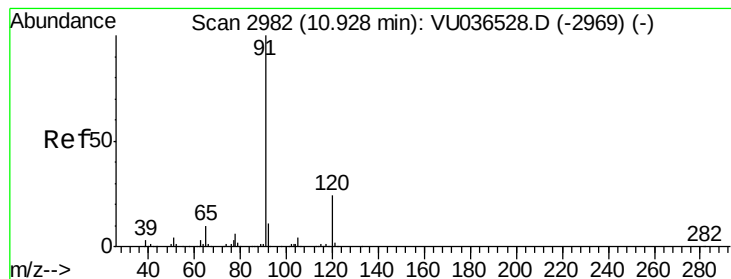
Abundance

Ion 156.00 (155.70 to 156.70): VU036528.D (-2931) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-2931) (-)

Ion 158.00 (157.70 to 158.70): VU036528.D (-2931) (-)





#73

n-propylbenzene

Concen: 2.016 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

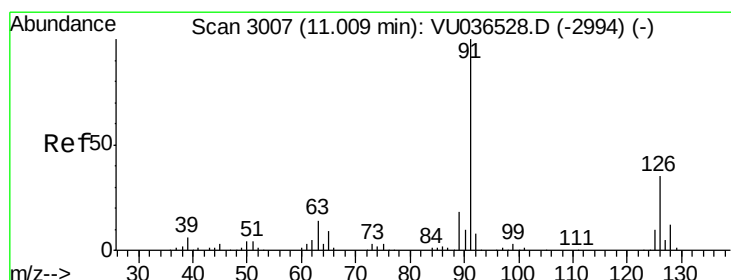
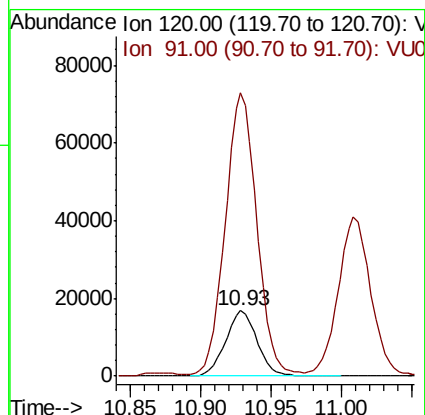
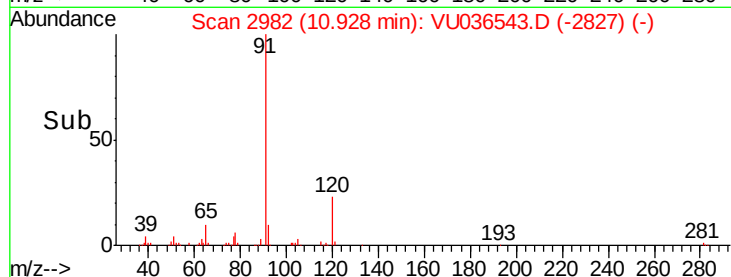
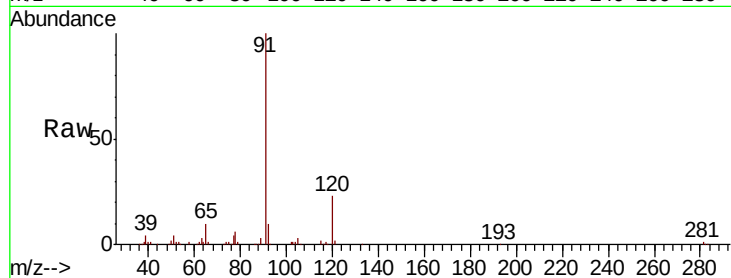
ClientSampleId :

Tot Ion:120 Resp: 26196

Ion Ratio Lower Upper

120 100

91 429.1 329.5 494.3



#74

2-Chlorotoluene

Concen: 2.049 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036543.D

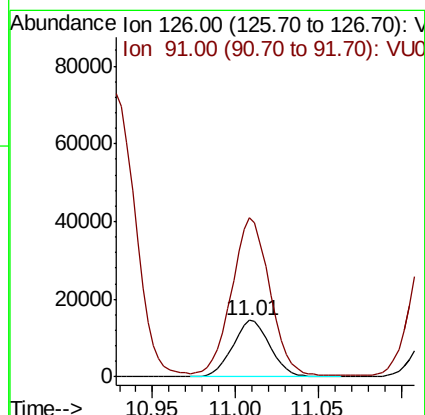
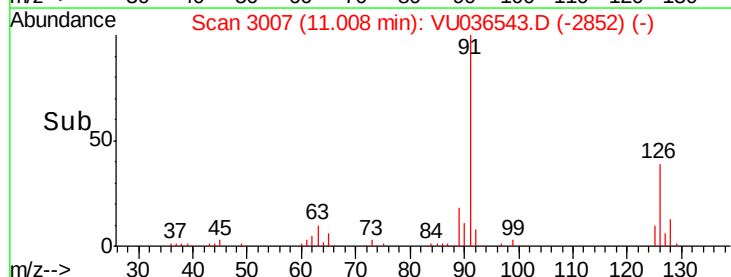
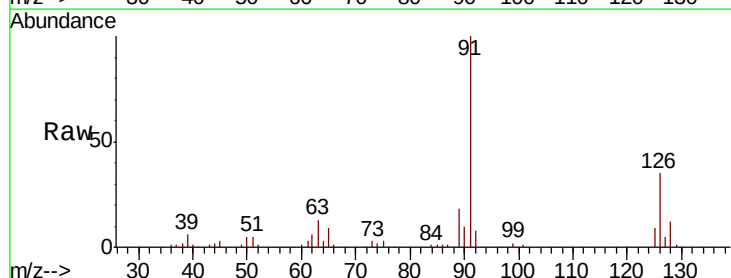
Acq: 23 Jan 2020 17:01

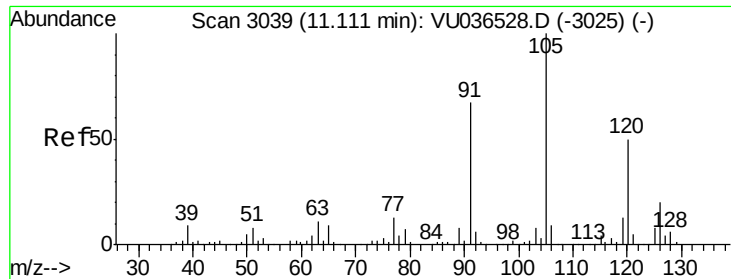
Tgt Ion:126 Resp: 22867

Ion Ratio Lower Upper

126 100

91 282.7 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 2.029 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036543.D

Acq: 23 Jan 2020 17:01

Instrument :

MSVOA_U

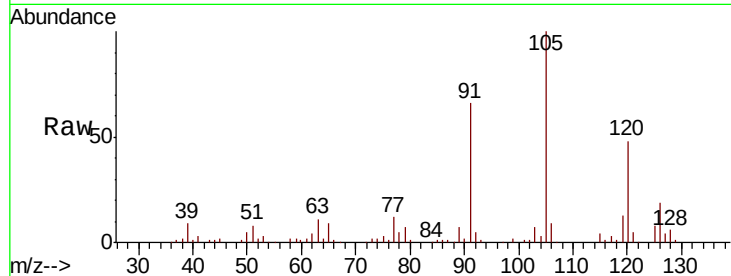
ClientSampleId :

Tot Ion:105 Resp: 80559

Ion Ratio Lower Upper

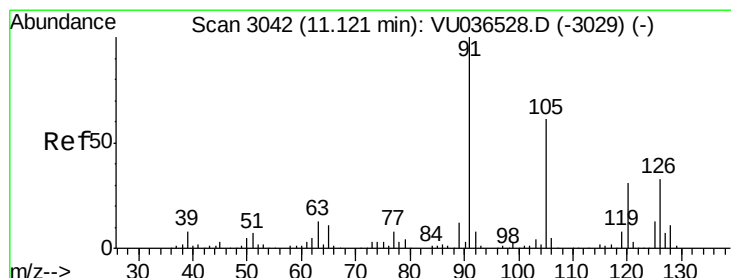
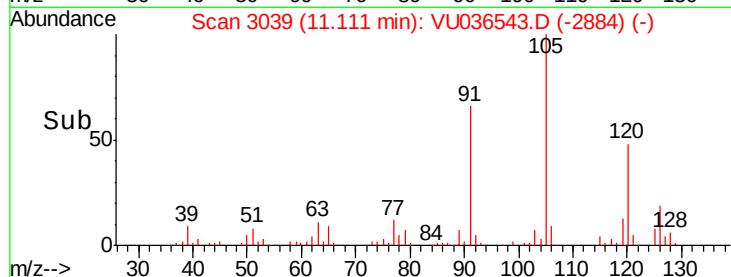
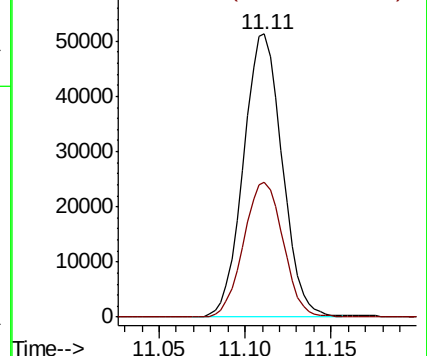
105 100

120 48.7 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.017 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036543.D

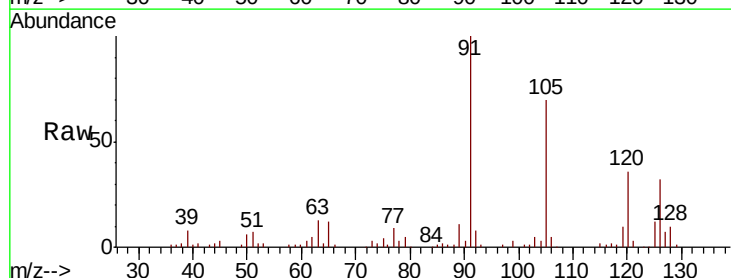
Acq: 23 Jan 2020 17:01

Tgt Ion:126 Resp: 23257

Ion Ratio Lower Upper

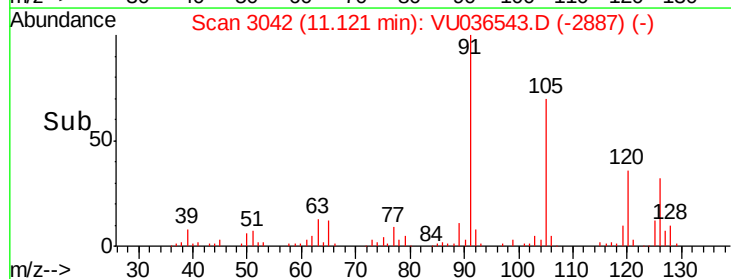
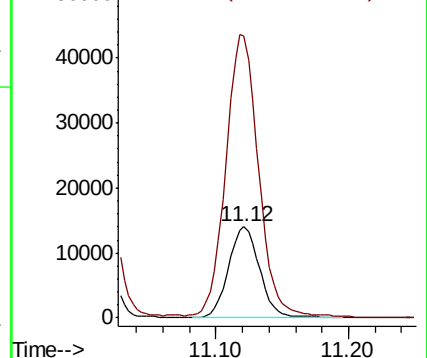
126 100

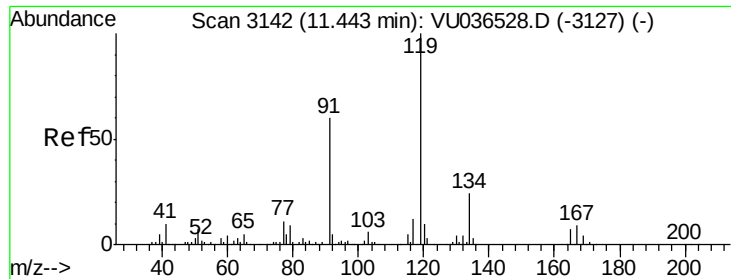
91 325.1 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

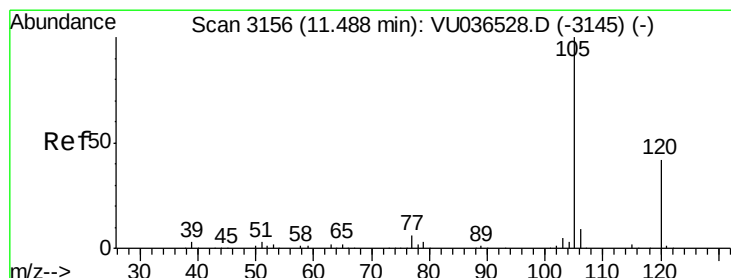
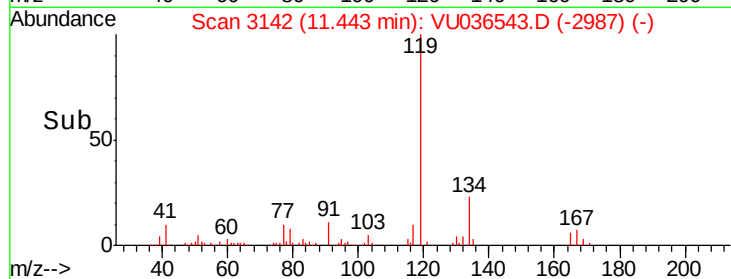
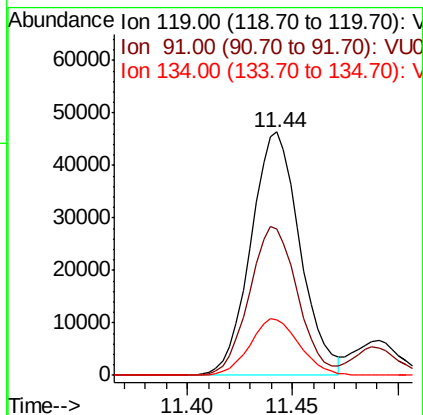
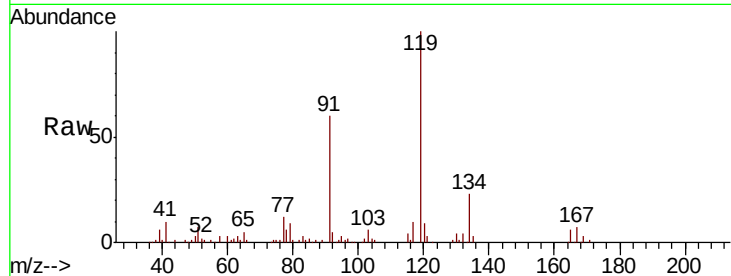




#77
 tert-Butylbenzene
 Concen: 1.995 ug/l
 RT: 11.44 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

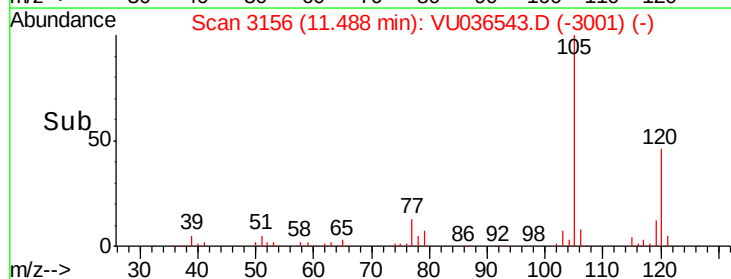
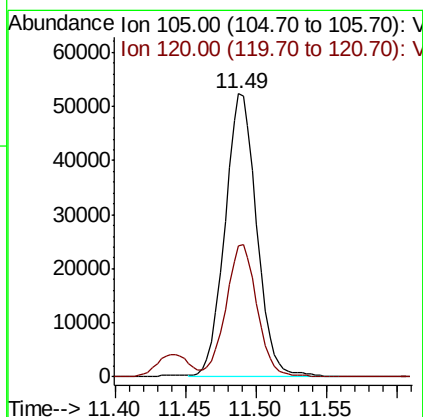
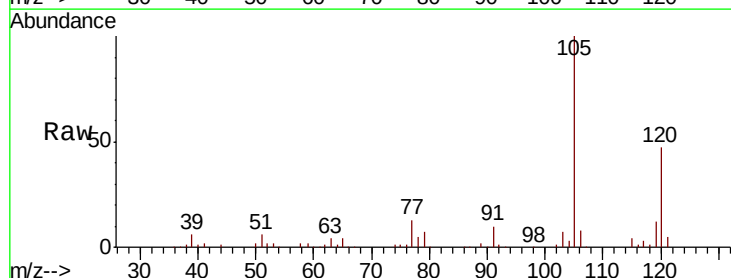
Instrument :
 MSVOA_U
 ClientSampleId :

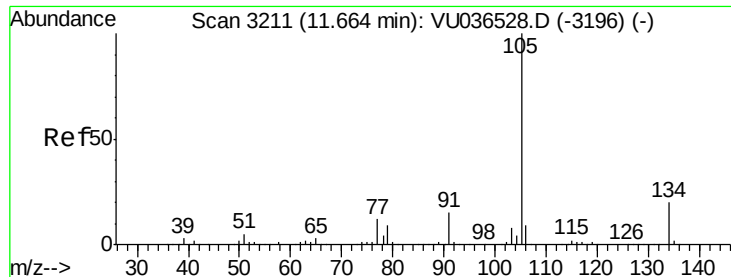
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	29.3	87.8
134	23.4	19.0	28.4



#78
 1,2,4-Trimethylbenzene
 Concen: 2.011 ug/l
 RT: 11.49 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.3	69.8

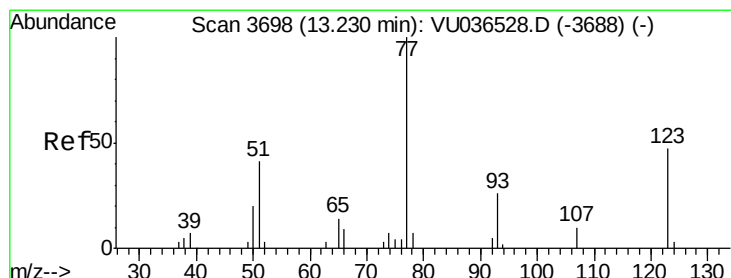
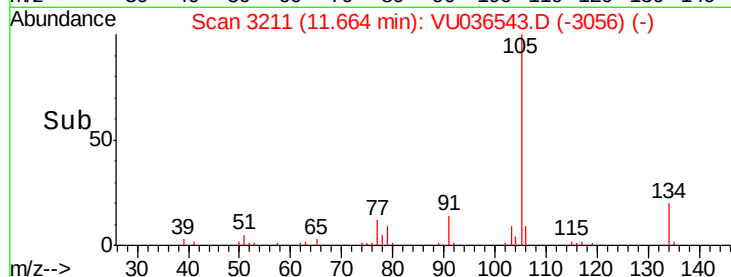
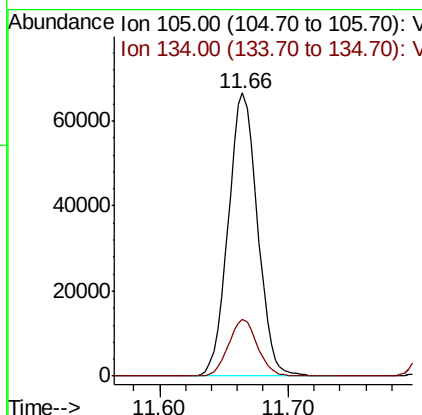
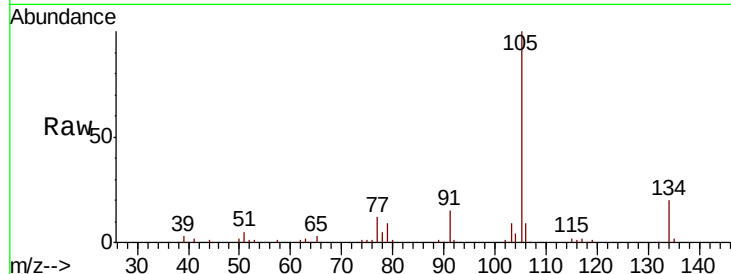




#79
 sec-Butylbenzene
 Concen: 2.005 ug/l
 RT: 11.66 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

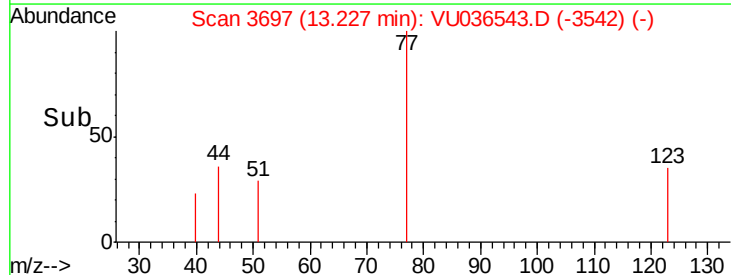
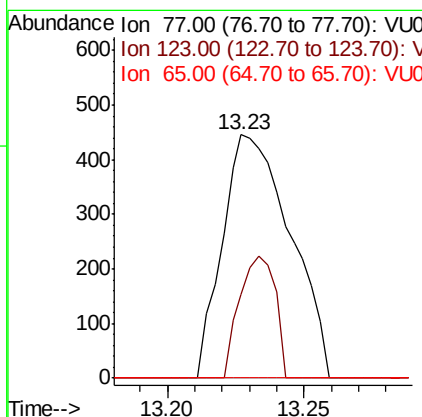
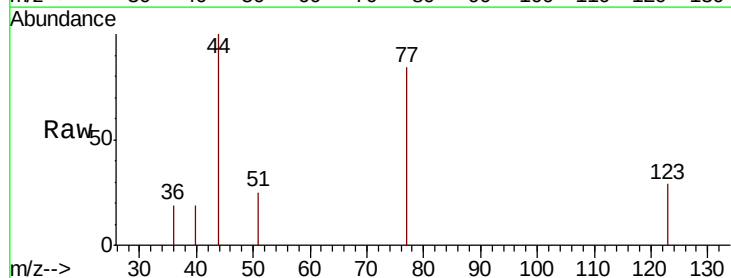
Instrument :
 MSVOA_U
 ClientSampleId :

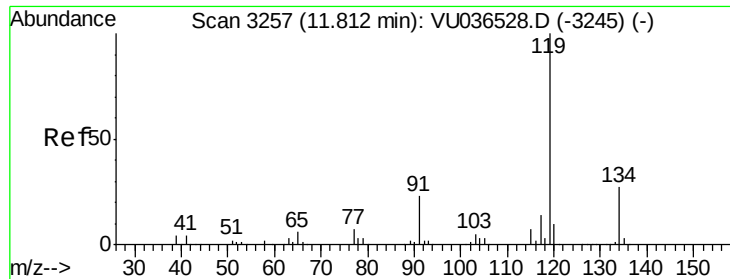
Tot Ion:105 Resp: 104685
 Ion Ratio Lower Upper
 105 100
 134 19.8 16.0 24.0



#80
 Nitrobenzene
 Concen: 5.935 ug/l
 RT: 13.23 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion: 77 Resp: 772
 Ion Ratio Lower Upper
 77 100
 123 26.3 19.6 69.6
 65 0.0 12.7 16.1#

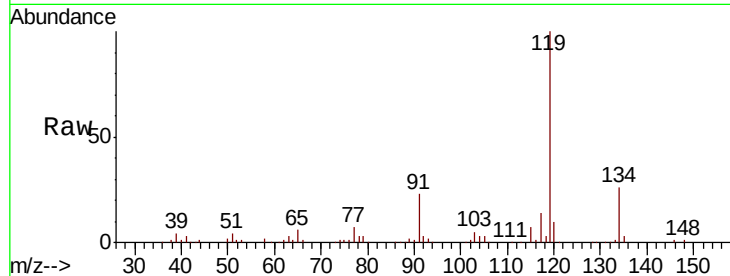




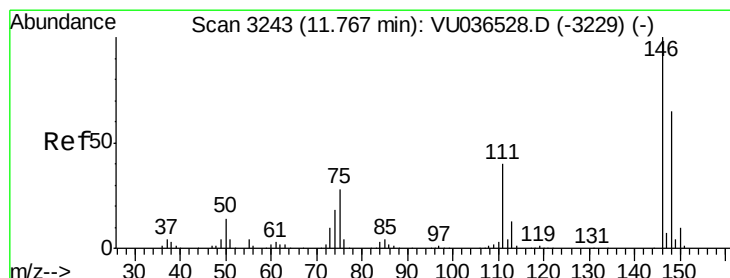
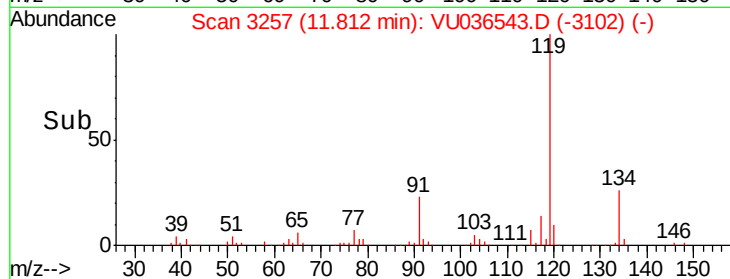
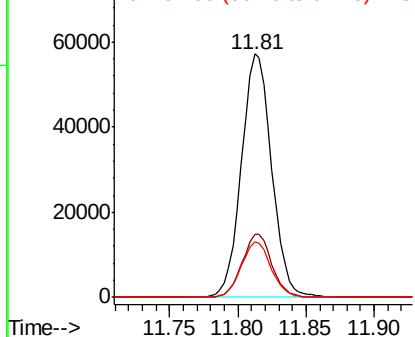
#81
 p-Isopropyltoluene
 Concen: 2.016 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	21.4	32.0
91	22.5	18.3	27.5

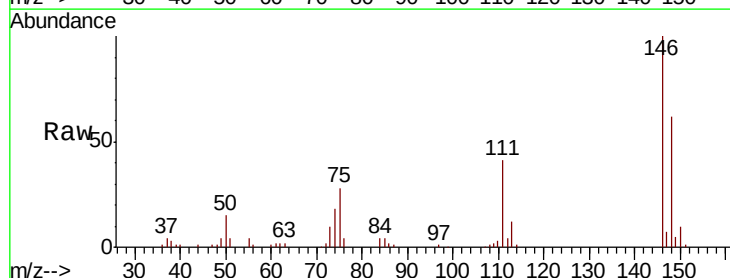


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

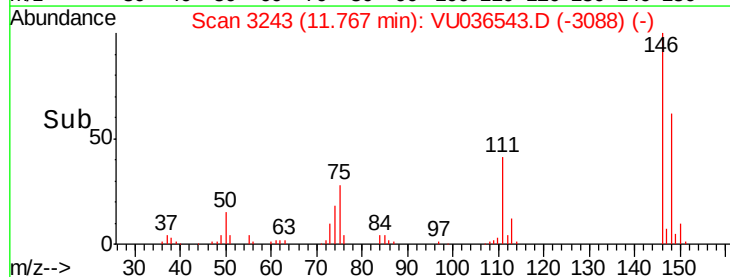
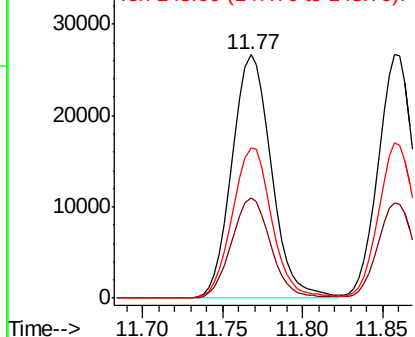


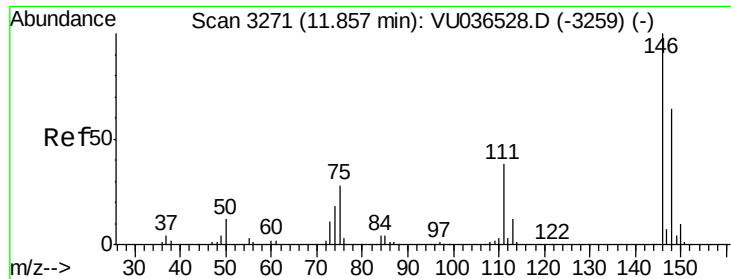
#82
 1,3-Dichlorobenzene
 Concen: 2.009 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.2	48.2
148	62.1	51.4	77.2



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

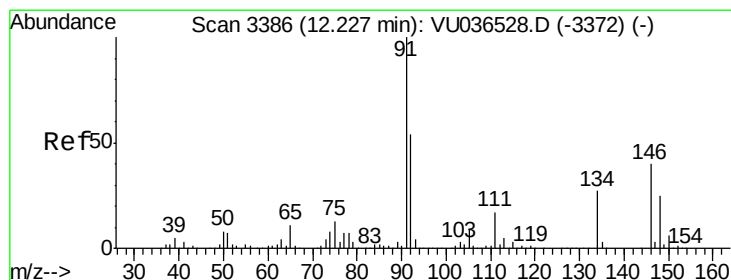
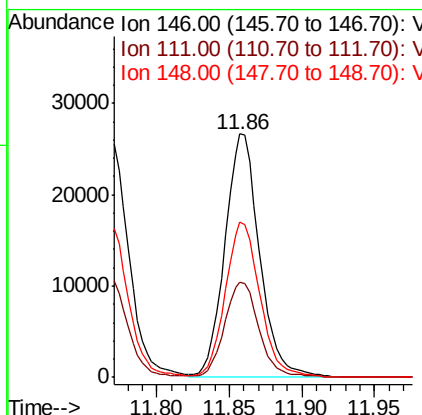
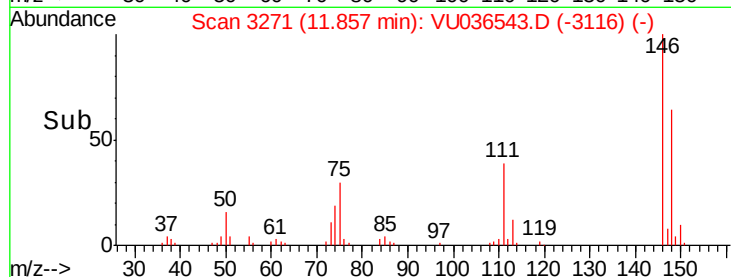
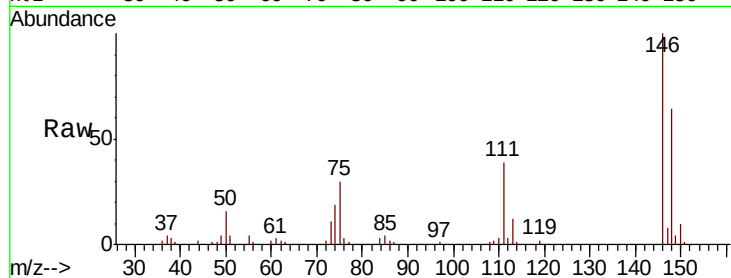




#83
 1,4-Dichlorobenzene
 Concen: 1.983 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

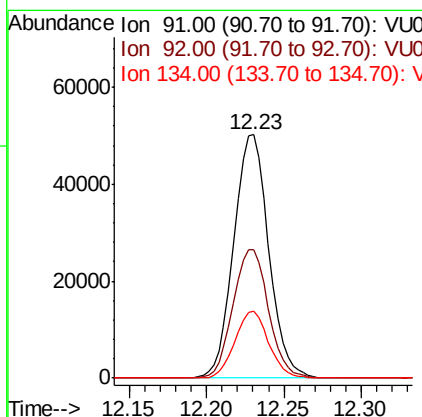
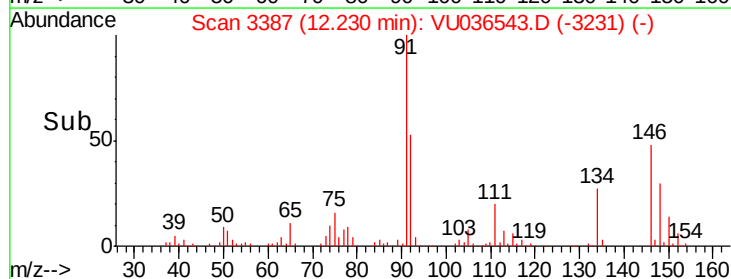
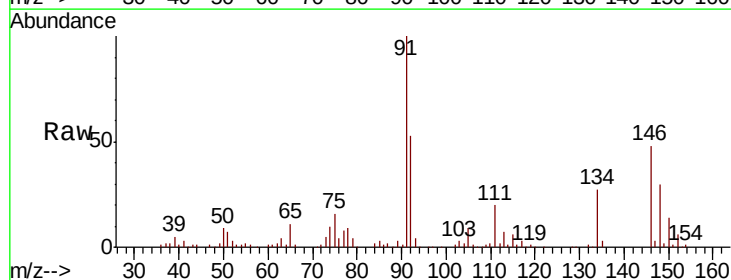
Instrument :
 MSVOA_U
 ClientSampleId :

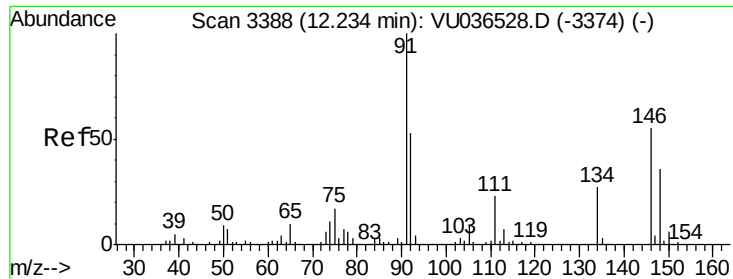
Tot Ion:146 Resp: 44239
 Ion Ratio Lower Upper
 146 100
 111 38.8 30.5 45.7
 148 63.6 51.0 76.4



#84
 n-Butylbenzene
 Concen: 1.950 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion: 91 Resp: 78695
 Ion Ratio Lower Upper
 91 100
 92 53.5 42.9 64.3
 134 26.4 21.4 32.0

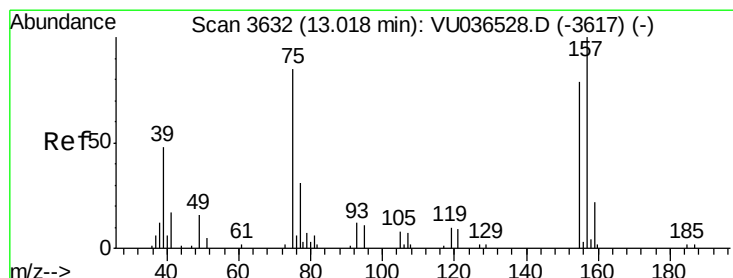
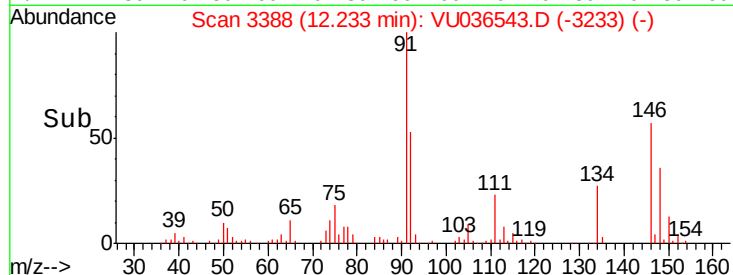
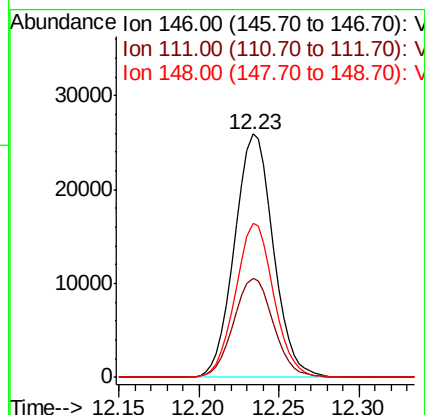
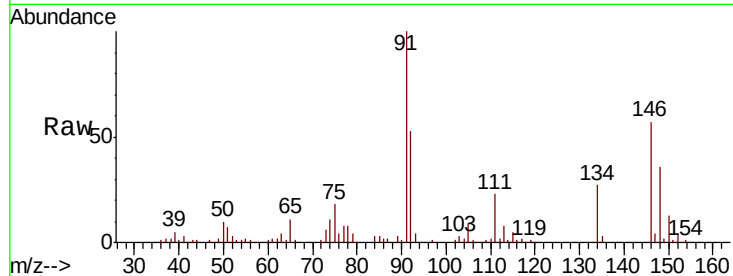




#85
 1,2-Dichlorobenzene
 Concen: 1.999 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

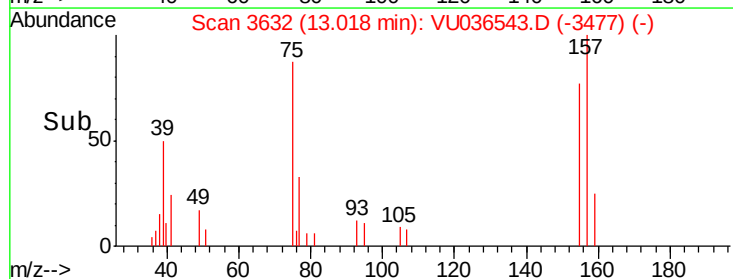
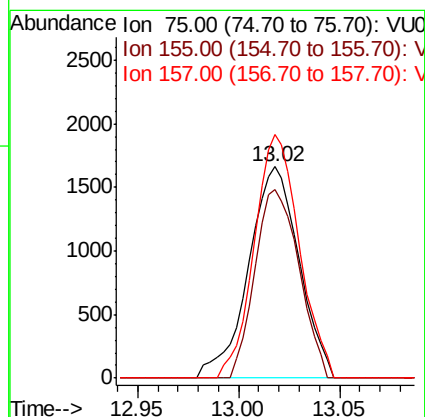
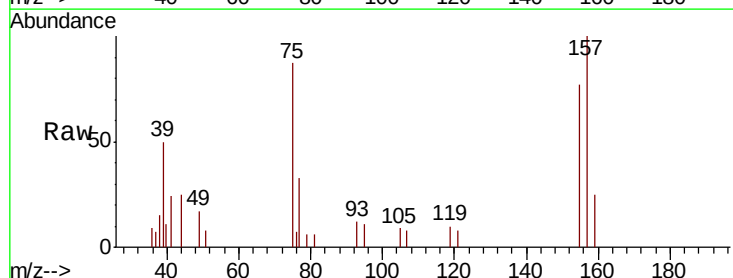
Instrument :
 MSVOA_U
 ClientSampleId :

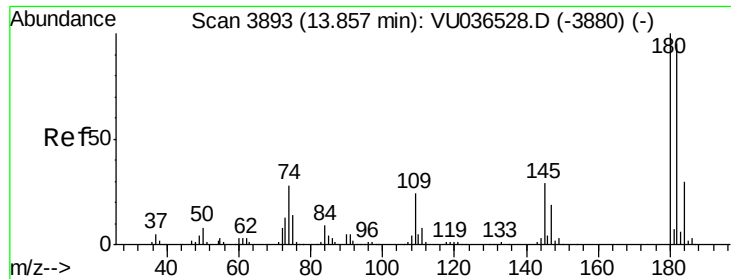
Tot Ion:146 Resp: 42701
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.4
 148 62.4 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.891 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion: 75 Resp: 2901
 Ion Ratio Lower Upper
 75 100
 155 77.9 71.8 107.8
 157 102.9 92.4 138.6

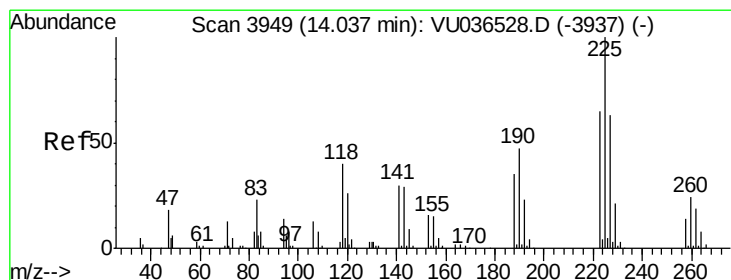
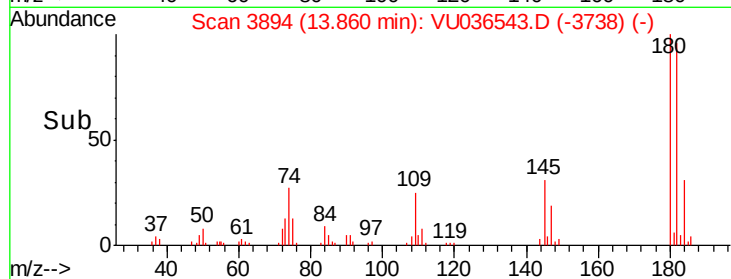
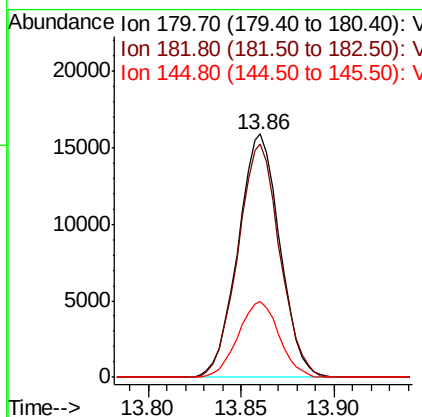
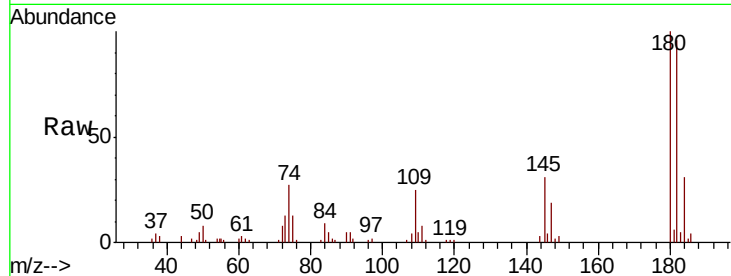




#87
 1,2,4-Trichlorobenzene
 Concen: 1.817 ug/l
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

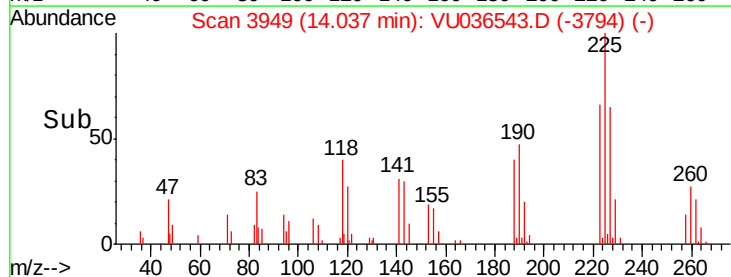
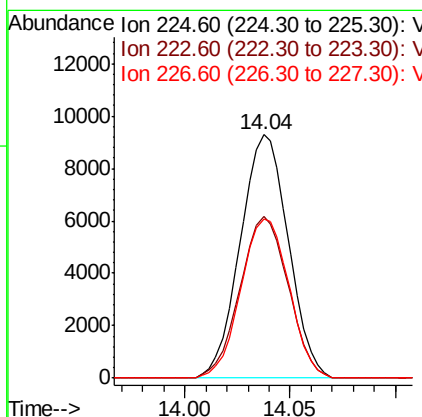
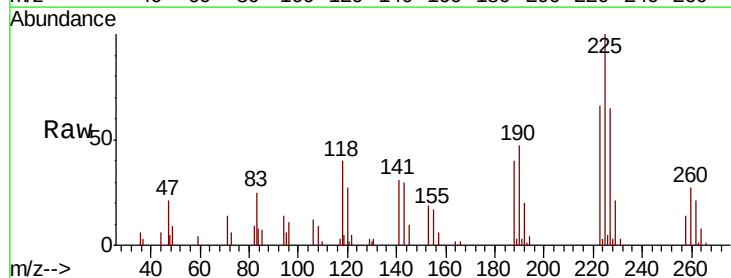
Instrument :
 MSVOA_U
 ClientSampleId :

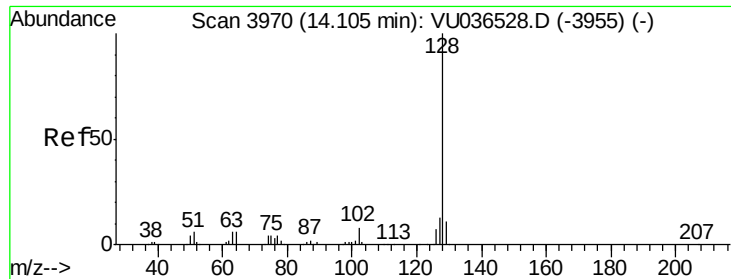
Tot Ion:180 Resp: 24826
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.9 113.9
 145 30.5 23.4 35.2



#88
 Hexachlorobutadiene
 Concen: 1.964 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036543.D
 Acq: 23 Jan 2020 17:01

Tgt Ion:225 Resp: 14709
 Ion Ratio Lower Upper
 225 100
 223 66.7 51.7 77.5
 227 65.5 50.6 75.8

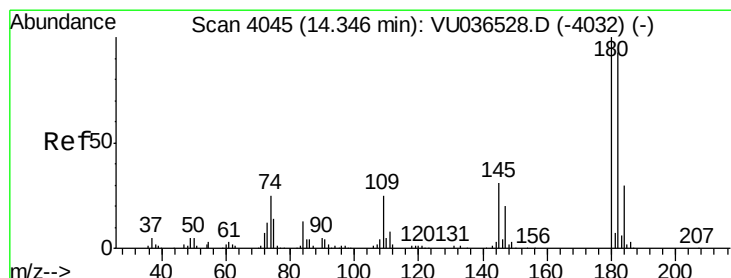
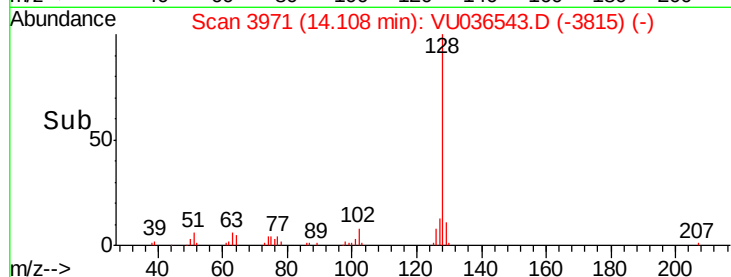
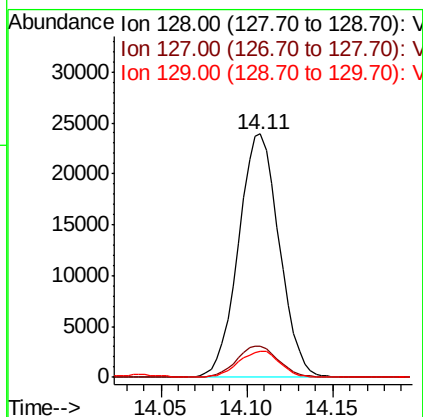
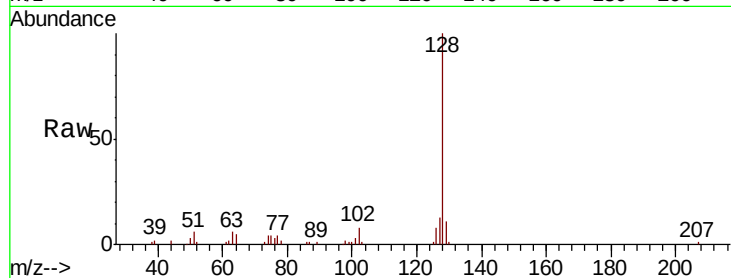




#89
Naphthalene
Concen: 1.674 ug/l
RT: 14.11 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 39395
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.9 8.7 13.1



#90
1,2,3-Trichlorobenzene
Concen: 1.867 ug/l
RT: 14.35 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VU036543.D
Acq: 23 Jan 2020 17:01

Tgt Ion:180 Resp: 23993
Ion Ratio Lower Upper
180 100
182 97.6 76.2 114.4
145 31.8 25.2 37.8

