

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036528.D
 Acq On : 22 Jan 2020 16:13
 Operator : JC/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 22 22:13:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.15	96	36959	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	13720	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13589	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	121609	11.501	100
3) Chloromethane	1.54	50	126242	9.226	100
4) Vinyl Chloride	1.62	62	147023	9.358	100
5) Bromomethane	1.87	94	81482	9.767	100
6) Chloroethane	1.95	64	78303	8.539	100
7) Trichlorofluoromethane	2.16	101	142814	7.827	100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	89371	9.358	100
9) 1,1-Dichloroethene	2.61	96	94328	9.683	100
10) Iodomethane	2.75	142	124874	10.705	100
11) Allyl Chloride	2.95	41	131746	6.898	100
12) Acrylonitrile	3.37	53	45909	16.799	100
13) Acetone	2.67	43	79131	24.147	100
14) Carbon Disulfide	2.82	76	330238	9.078	100
15) Methylene Chloride	3.08	84	108032	8.418	100
16) trans-1,2-Dichloroethene	3.39	96	104758	9.616	100
17) 1,1-Dichloroethane	3.91	63	172252	8.846	100
18) 2-Butanone	4.78	43	122885	34.818	100
19) Cyclohexane	5.42	56	144979	7.662	92
20) Methylcyclohexane	6.80	83	179049	9.541	100
21) 2,2-Dichloropropane	4.71	77	148151	8.414	100
22) cis-1,2-Dichloroethene	4.71	96	109144	9.887	100
23) Diethyl Ether	2.41	59	74175	8.733	100
24) tert-Butyl Alcohol	3.28	59	65190	74.181	100
25) Methyl tert-Butyl Ether	3.42	73	251945	8.453	100
26) Bromochloromethane	5.02	128	47216	10.673	100
27) Chloroform	5.13	83	171059	8.824	100
28) 1,1,1-Trichloroethane	5.36	97	144159	8.399	100
29) 1,1-Dichloropropene	5.57	75	139821	8.916	100
30) Carbon Tetrachloride	5.56	117	123985	8.589	100
31) Isopropyl Ether	4.05	45	262107	8.000	100
32) Ethyl-t-butyl ether	4.56	59	275863	8.607	100
33) Tert-Amyl methyl ether	5.99	73	250433	8.598	100
34) Propionitrile	4.85	54	39727	45.123	100
35) Benzene	5.81	78	402420	9.177	100
36) 1,2-Dichloroethane	5.84	62	110213	7.847	100
37) Trichloroethene	6.58	130	111781	10.498	100
38) 1,2-Dichloropropane	6.83	63	101213	8.790	100
39) Methacrylonitrile	5.03	41	31003	7.432	100
40) Methyl acrylate	4.90	55	53843	8.699	100
41) Tetrahydrofuran	5.12	42	32947	15.231	100
42) 1-Chlorobutane	5.50	56	181717	7.999	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012220\
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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

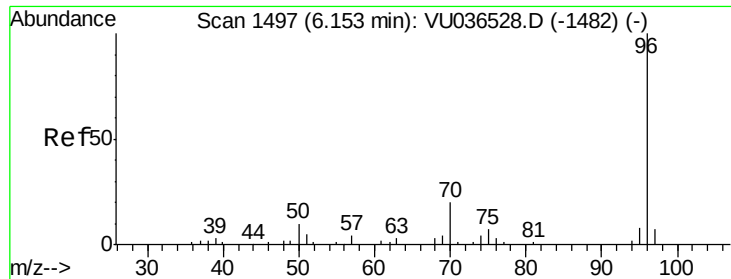
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 22 22:13:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

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

43) Dibromomethane	6.95	93	53747	9.088	ug/l	100
44) Bromodichloromethane	7.14	83	126972	8.340	ug/l	100
45) 4-Methyl-2-Pentanone	7.84	43	299196	36.579	ug/l	100
46) t-1,4-Dichloro-2-butene	10.86	75	129055	38.873	ug/l #	63
47) Methyl methacrylate	7.00	69	104299	18.492	ug/l	100
48) Ethyl methacrylate	8.37	69	103406	9.276	ug/l	100
49) Toluene	8.00	92	255398	9.390	ug/l	100
50) t-1,3-Dichloropropene	8.24	75	131390	8.795	ug/l	100
51) cis-1,3-Dichloropropene	7.64	75	157231	9.106	ug/l	100
52) 1,1,2-Trichloroethane	8.43	97	76090	9.702	ug/l	100
53) 1,3-Dichloropropane	8.61	76	130549	8.920	ug/l	100
54) 2-Hexanone	8.72	43	213884	37.981	ug/l	100
55) Dibromochloromethane	8.84	129	88590	9.645	ug/l	100
56) 1,2-Dibromoethane	8.95	107	73117	9.486	ug/l	100
58) Tetrachloroethene	8.58	164	107561	12.229	ug/l	100
59) Chlorobenzene	9.47	112	285596	9.948	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	93489	9.616	ug/l	100
61) Pentachloroethane	11.45	117	62984	7.875	ug/l	100
62) Hexachloroethane	12.50	117	77744	9.257	ug/l	100
63) Ethyl Benzene	9.60	91	482685	9.245	ug/l	100
64) m/p-Xylenes	9.72	106	381259	19.749	ug/l	100
65) o-Xylene	10.12	106	185459	9.842	ug/l	100
66) Styrene	10.14	104	311499	10.017	ug/l	100
67) Bromoform	10.32	173	52035	11.443	ug/l	100
69) Isopropylbenzene	10.51	105	485940	9.594	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	95572	9.046	ug/l	100
71) 1,2,3-Trichloropropane	10.86	75	129055	16.013	ug/l	65
72) Bromobenzene	10.81	156	117881	10.995	ug/l	100
73) n-propylbenzene	10.93	120	140613	10.352	ug/l	100
74) 2-Chlorotoluene	11.01	126	115825	9.944	ug/l	100
75) 1,3,5-Trimethylbenzene	11.11	105	412976	9.607	ug/l	100
76) 4-Chlorotoluene	11.12	126	121916	10.163	ug/l	100
77) tert-Butylbenzene	11.44	119	391187	9.499	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	424596	9.536	ug/l	100
79) sec-Butylbenzene	11.66	105	542049	9.484	ug/l	100
80) Nitrobenzene	13.23	77	8489	45.816	ug/l	100
81) p-Isopropyltoluene	11.81	119	455727	9.998	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	232899	10.367	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	231513	10.407	ug/l	100
84) n-Butylbenzene	12.23	91	432124	9.008	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	218580	10.283	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	15577	8.113	ug/l	100
87) 1,2,4-Trichlorobenzene	13.86	180	157160	11.644	ug/l	100
88) Hexachlorobutadiene	14.04	225	77596	12.245	ug/l	100
89) Naphthalene	14.10	128	283329	10.581	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	142679	11.509	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 36959

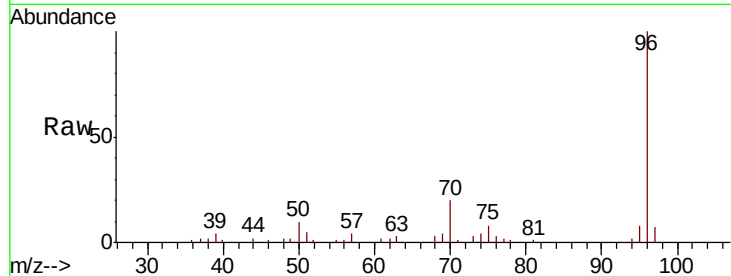
Ion Ratio Lower Upper

96 100

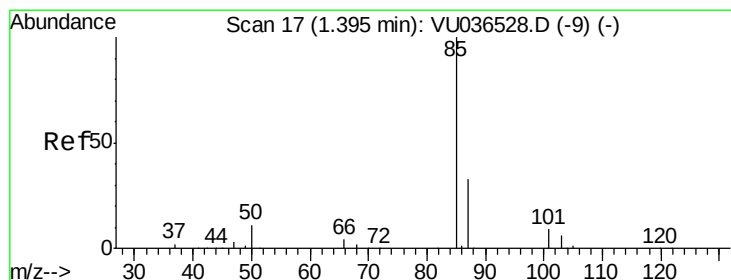
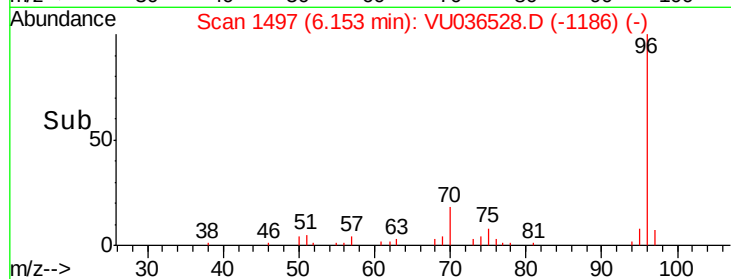
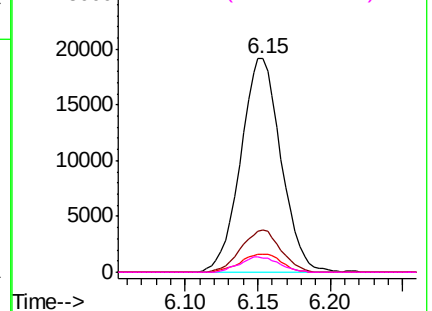
70 19.5 15.6 23.4

95 8.8 7.0 10.6

97 0.0 0.0 0.0



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



#2

Dichlorodifluoromethane

Concen: 11.501 ug/l

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036528.D

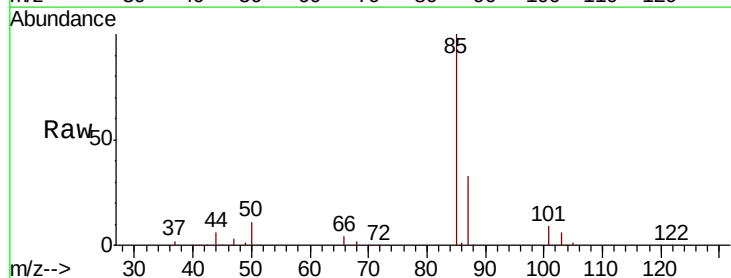
Acq: 22 Jan 2020 16:13

Tgt Ion: 85 Resp: 121609

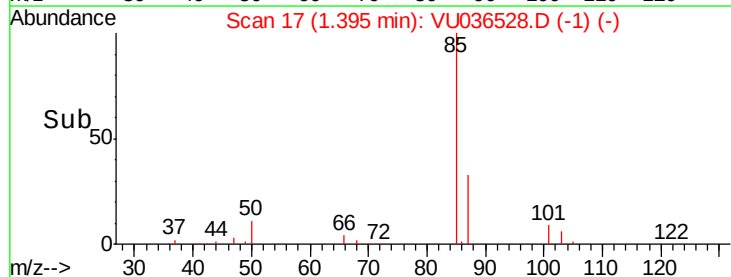
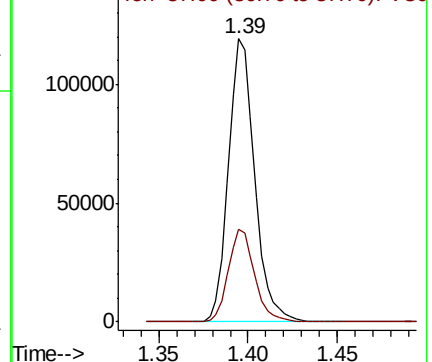
Ion Ratio Lower Upper

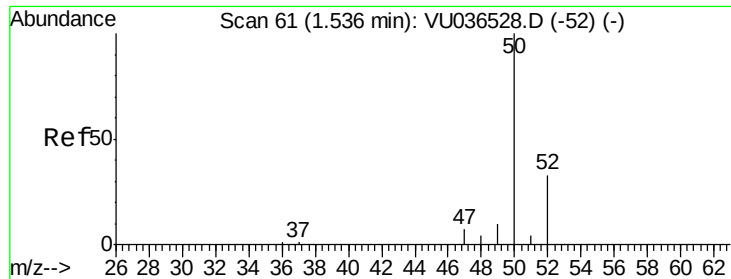
85 100

87 32.8 16.4 49.2



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

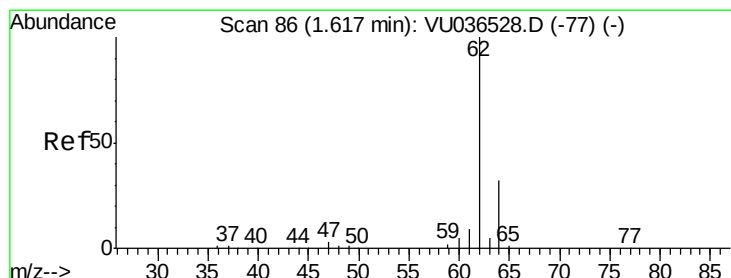
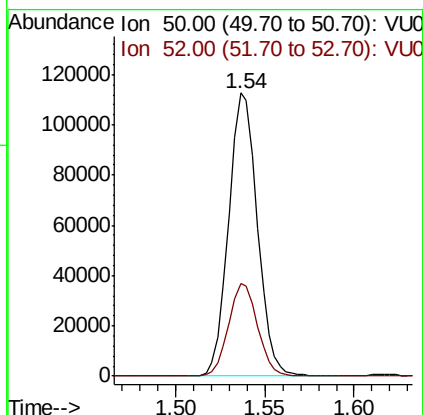
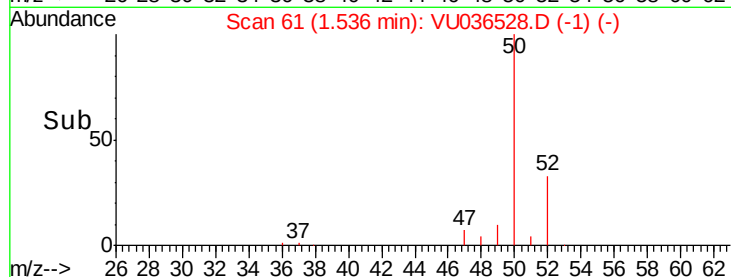
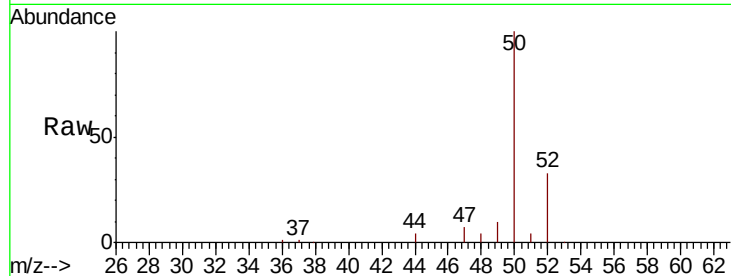




#3
Chloromethane
Concen: 9.226 ug/l
RT: 1.54 min Scan# 61
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

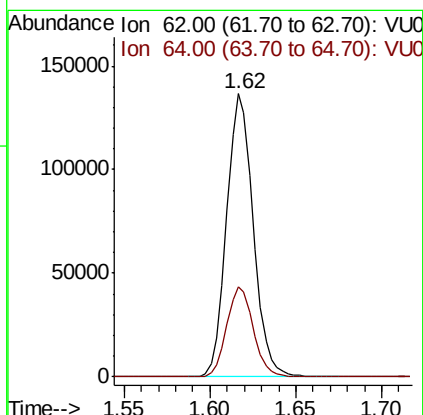
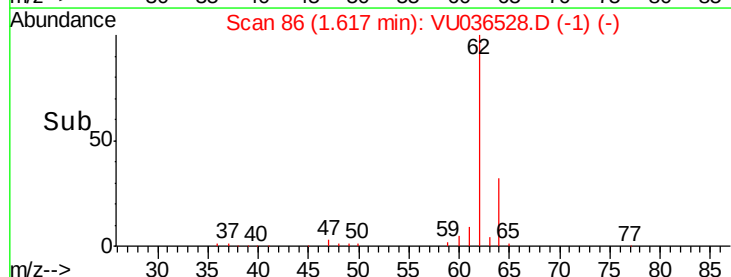
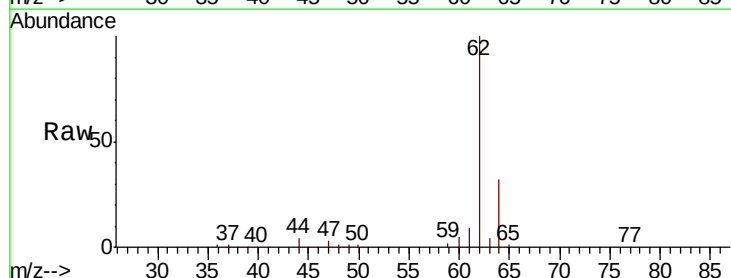
Instrument :
MSVOA_U
ClientSampleId :

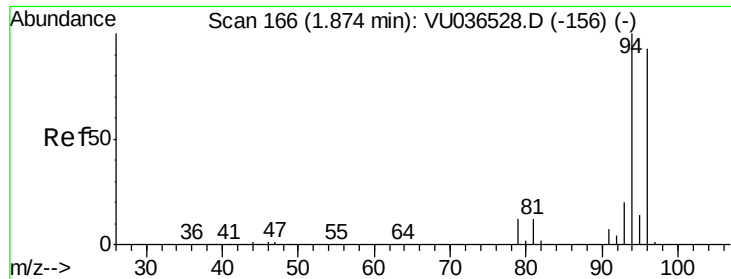
Tot Ion: 50 Resp: 126242
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0



#4
Vinyl Chloride
Concen: 9.358 ug/l
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 62 Resp: 147023
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.2

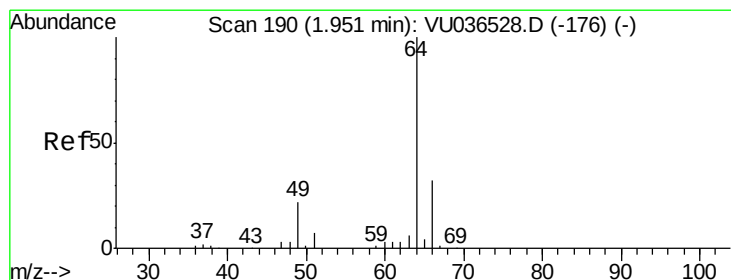
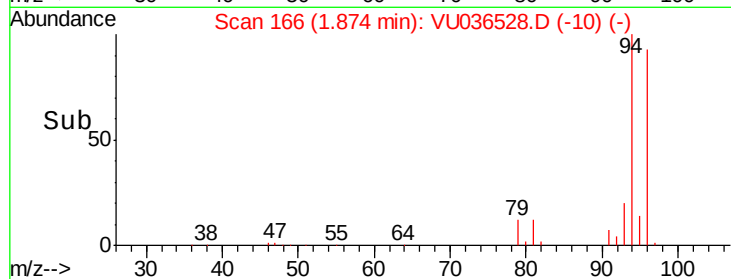
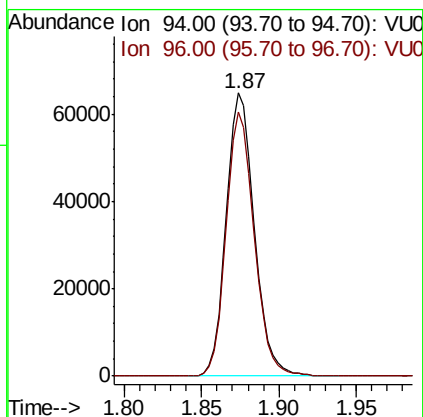
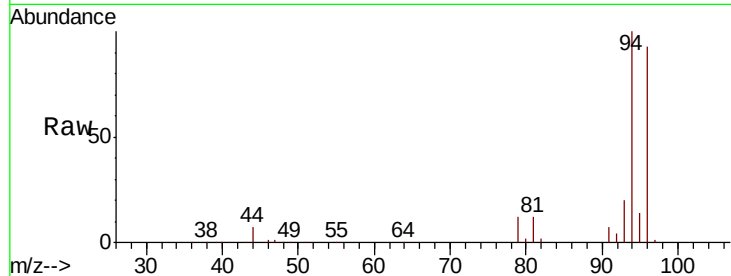




#5
Bromomethane
Concen: 9.767 ug/l
RT: 1.87 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

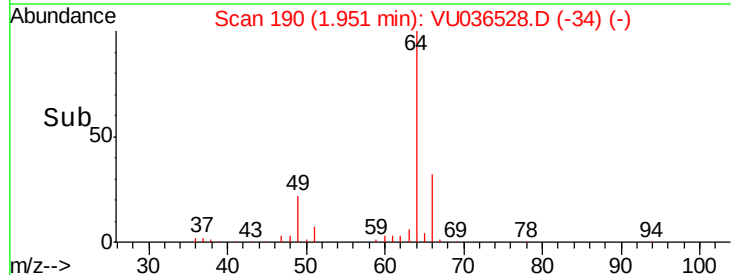
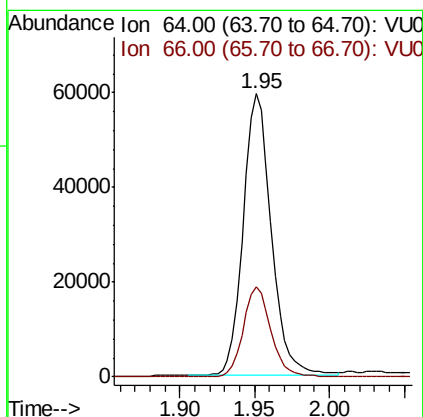
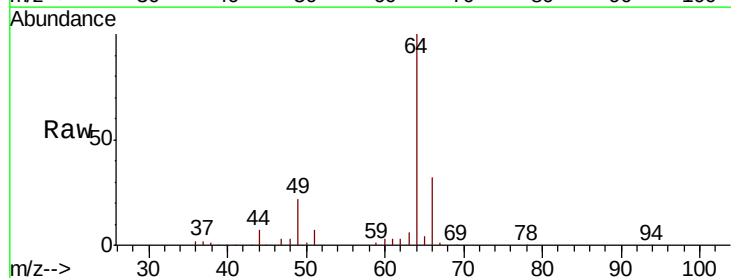
Instrument :
MSVOA_U
ClientSampled :

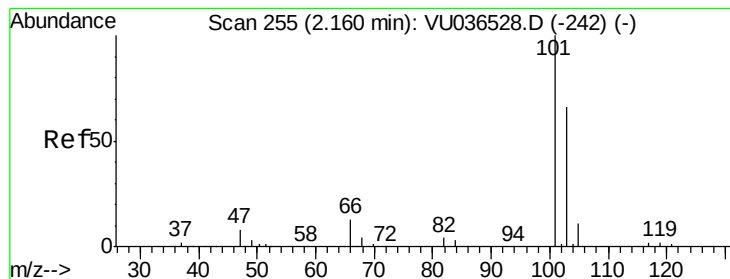
Tot Ion: 94 Resp: 81482
Ion Ratio Lower Upper
94 100
96 93.3 74.6 112.0



#6
Chloroethane
Concen: 8.539 ug/l
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 64 Resp: 78303
Ion Ratio Lower Upper
64 100
66 31.9 25.5 38.3



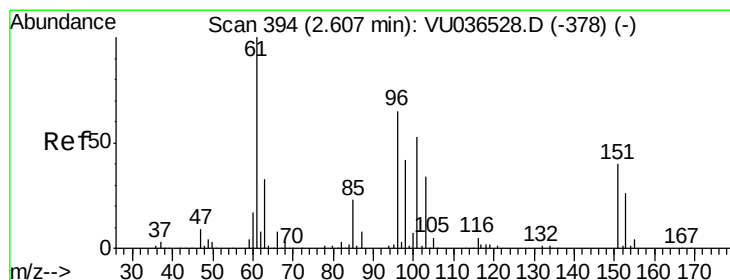
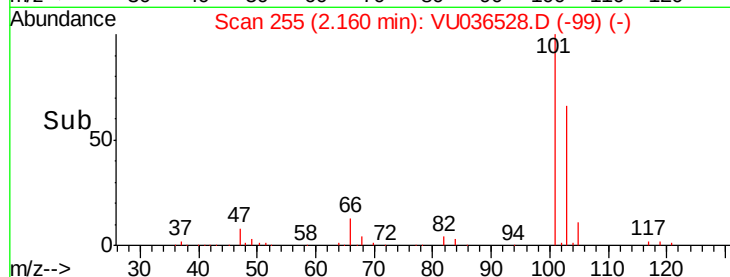
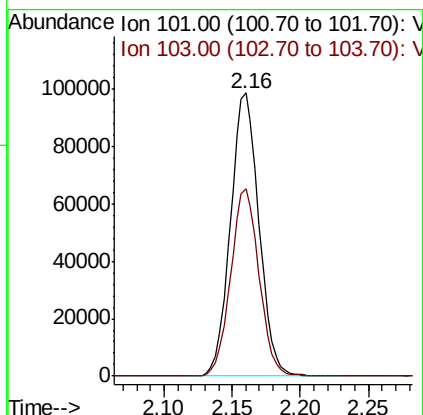
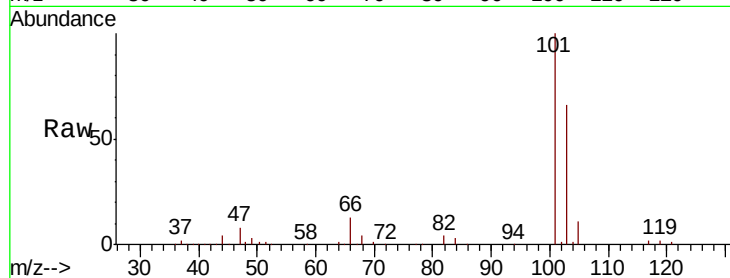


#7

Trichlorofluoromethane
 Concen: 7.827 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampled :

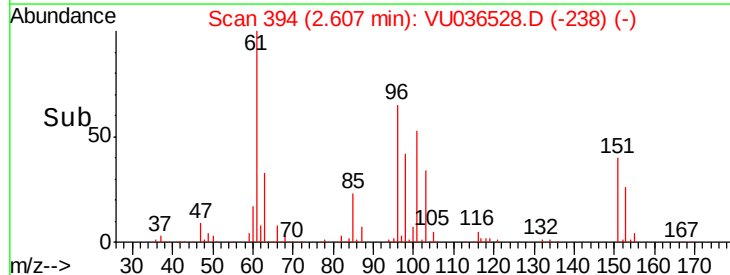
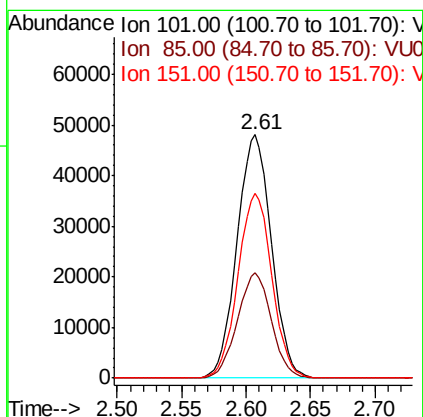
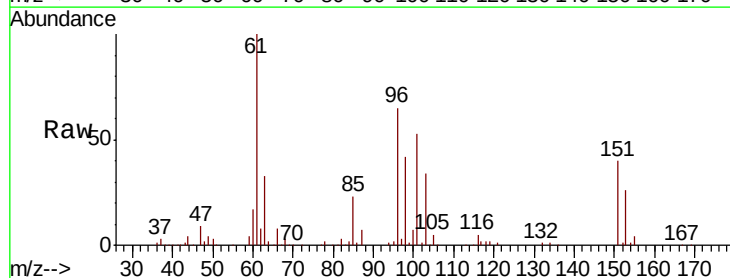
Tot Ion:101 Resp: 142814
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.0 79.6

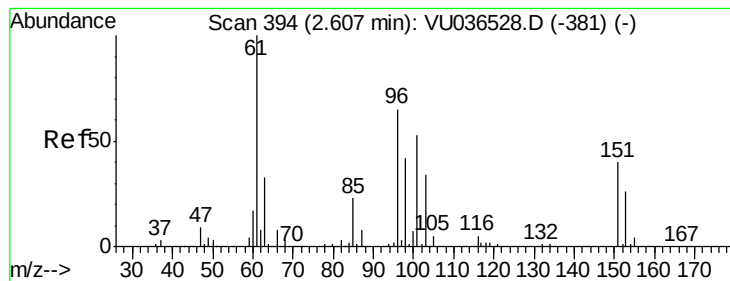


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.358 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion:101 Resp: 89371
 Ion Ratio Lower Upper
 101 100
 85 42.4 33.9 50.9
 151 74.8 59.8 89.8





#9

1,1-Dichloroethene

Concen: 9.683 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

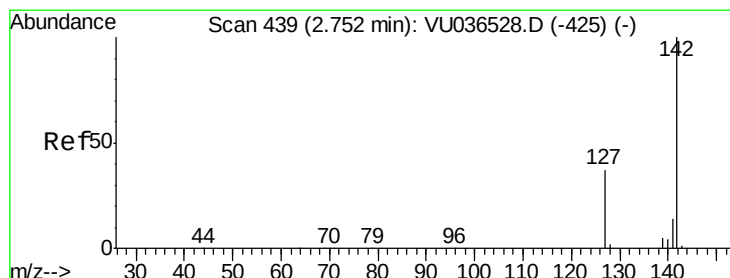
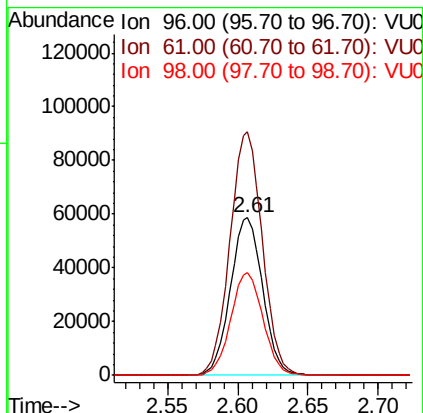
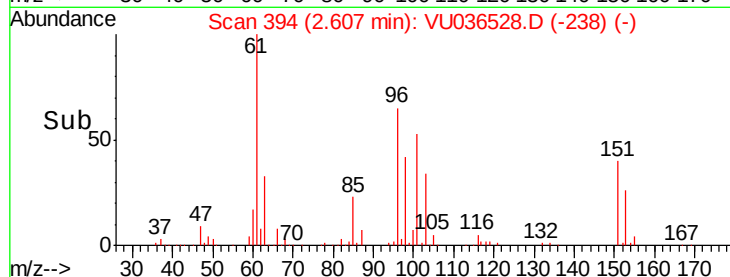
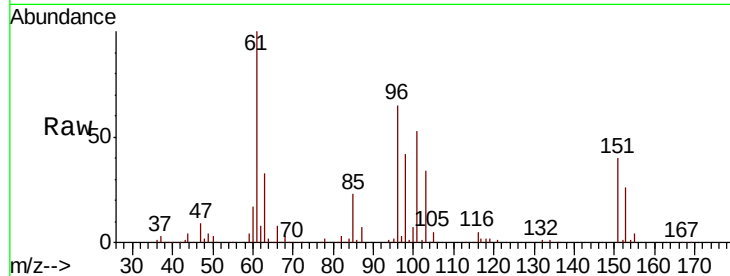
Tot Ion: 96 Resp: 94328

Ion Ratio Lower Upper

96 100

61 154.4 0.0 463.2

98 65.0 0.0 130.0



#10

Iodomethane

Concen: 10.705 ug/l

RT: 2.75 min Scan# 439

Delta R.T. 0.00 min

Lab File: VU036528.D

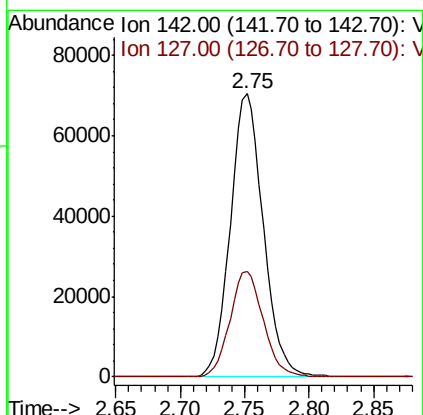
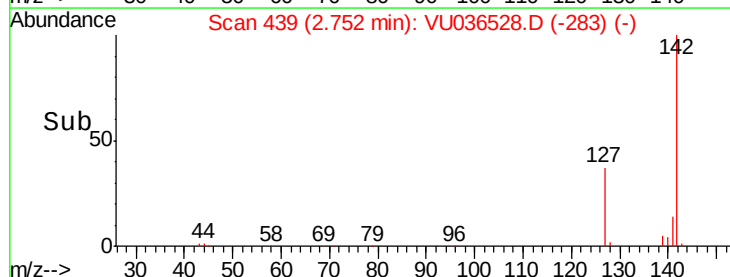
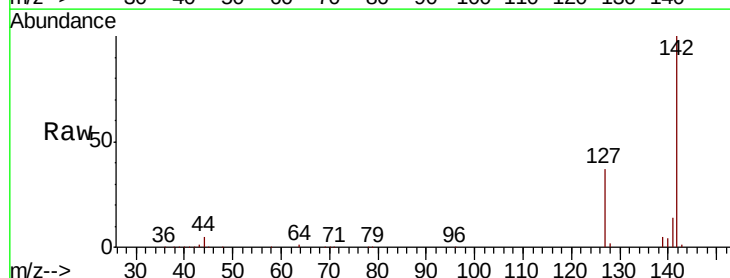
Acq: 22 Jan 2020 16:13

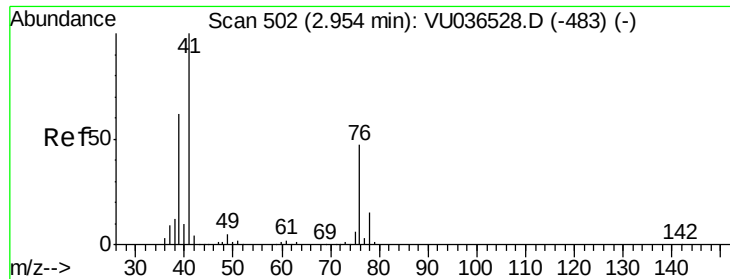
Tgt Ion:142 Resp: 124874

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

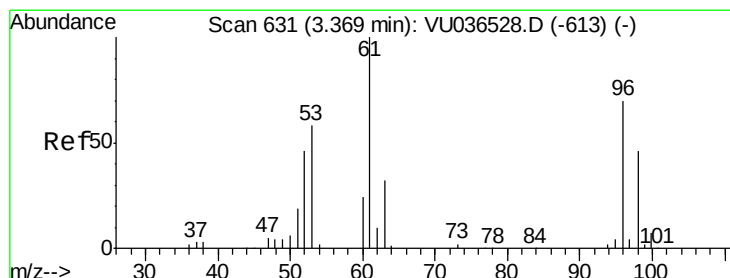
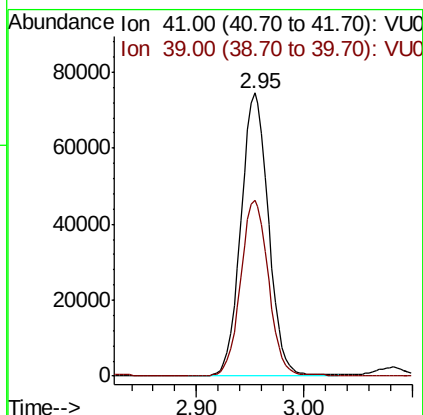
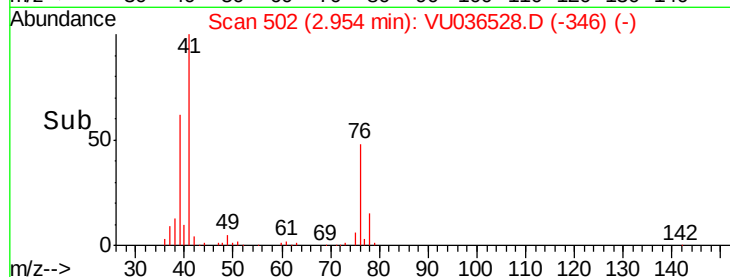
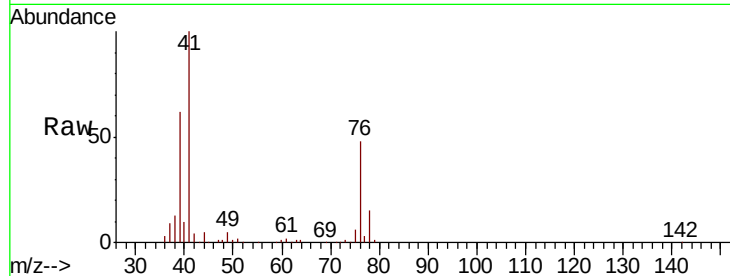




#11
Allvl Chloride
Concen: 6.898 ug/l
RT: 2.95 min Scan# 502
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

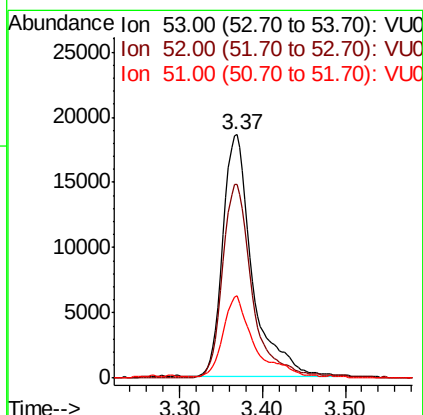
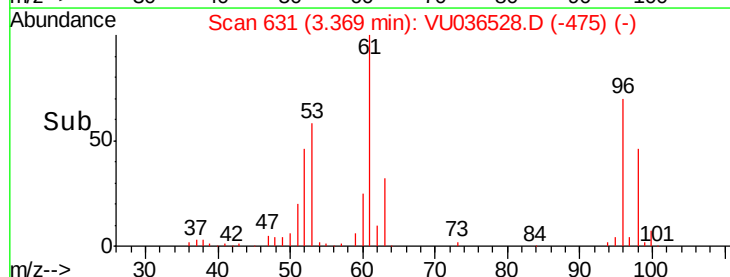
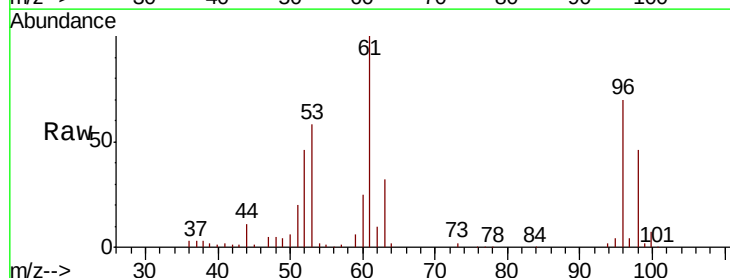
Instrument :
MSVOA_U
ClientSampled :

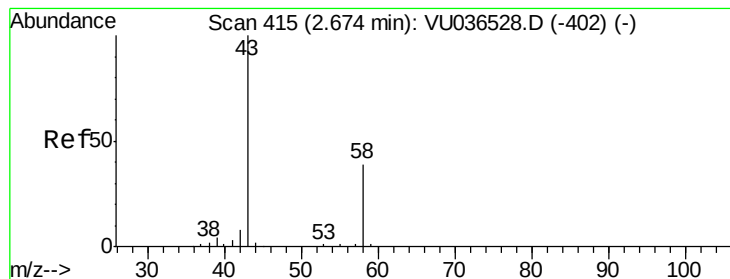
Tot Ion: 41 Resp: 131746
Ion Ratio Lower Upper
41 100
39 63.4 50.7 76.1



#12
Acrylonitrile
Concen: 16.799 ug/l
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 53 Resp: 45909
Ion Ratio Lower Upper
53 100
52 80.8 64.6 97.0
51 34.0 27.2 40.8





#13

Acetone

Concen: 24.147 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

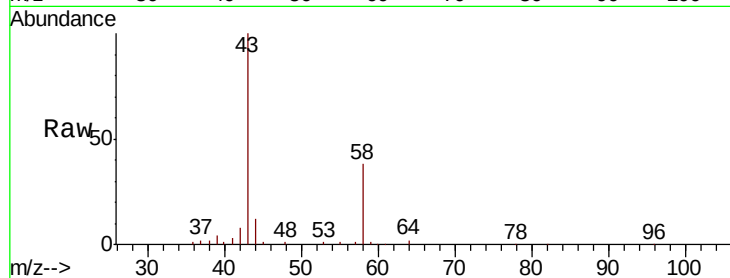
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 79131

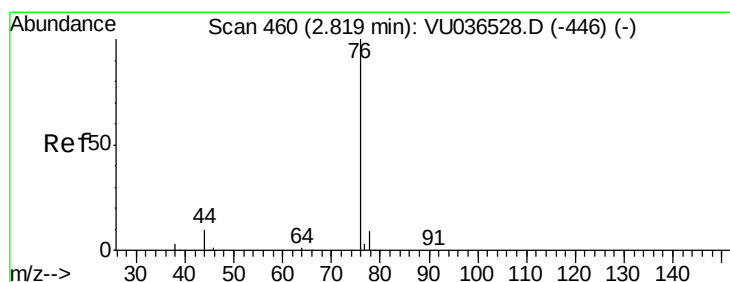
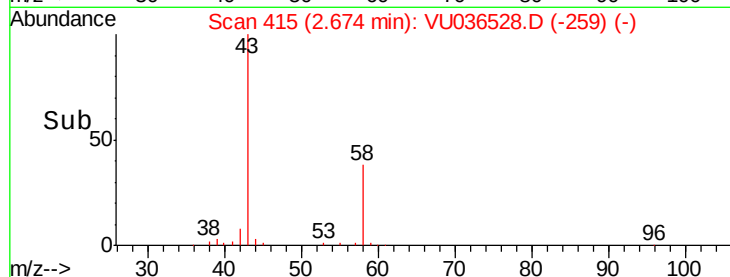
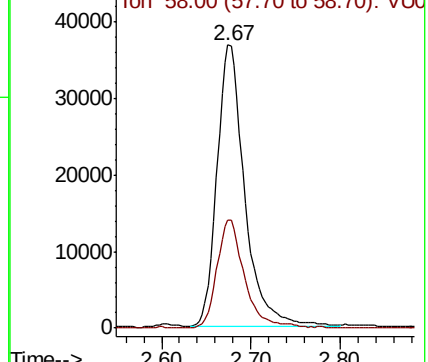
Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2



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



#14

Carbon Disulfide

Concen: 9.078 ug/l

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036528.D

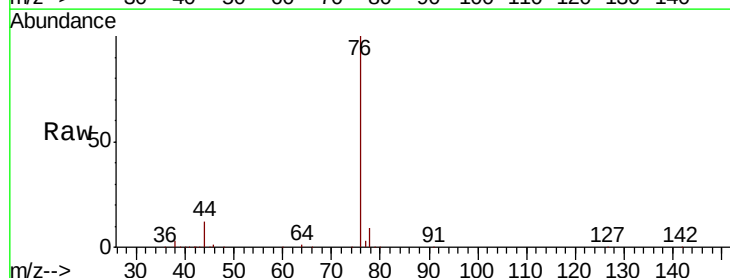
Acq: 22 Jan 2020 16:13

Tgt Ion: 76 Resp: 330238

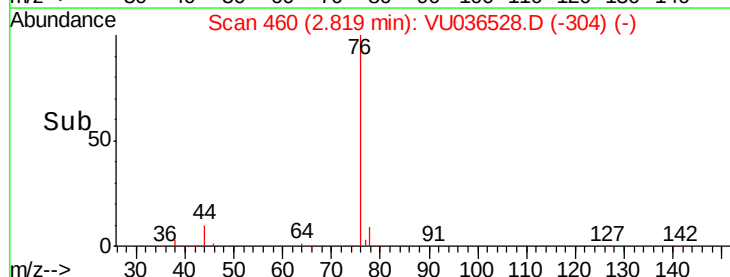
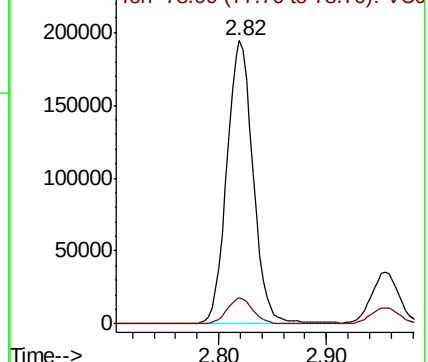
Ion Ratio Lower Upper

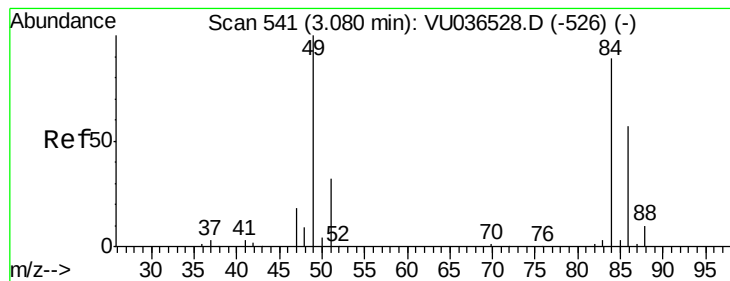
76 100

78 9.2 7.4 11.0



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





#15

Methylene Chloride

Concen: 8.418 ug/l

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 84 Resp: 108032

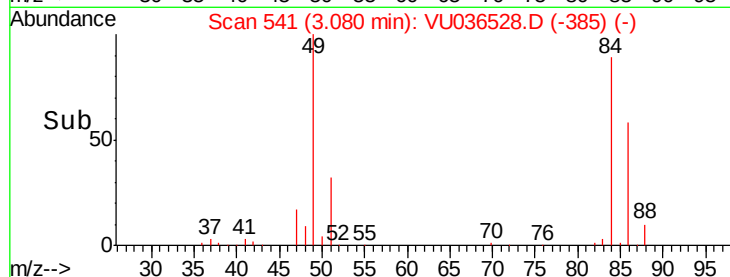
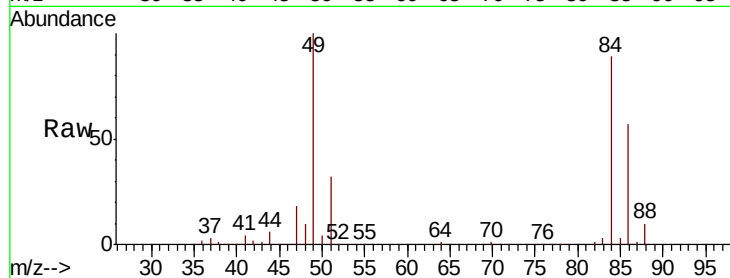
Ion Ratio Lower Upper

84 100

49 112.1 89.7 134.5

51 35.8 0.0 71.6

86 64.3 51.4 77.2

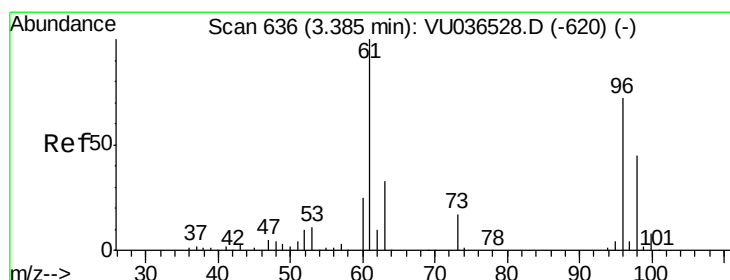
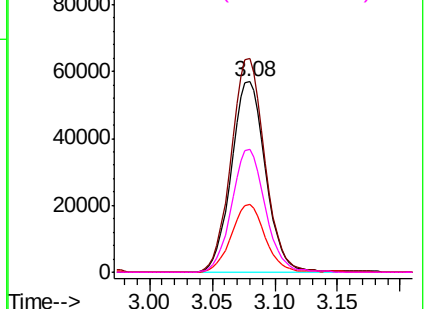


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 9.616 ug/l

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

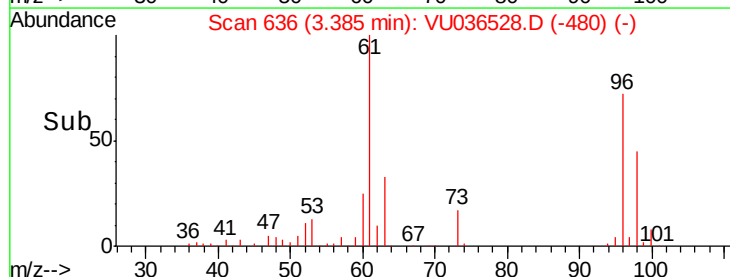
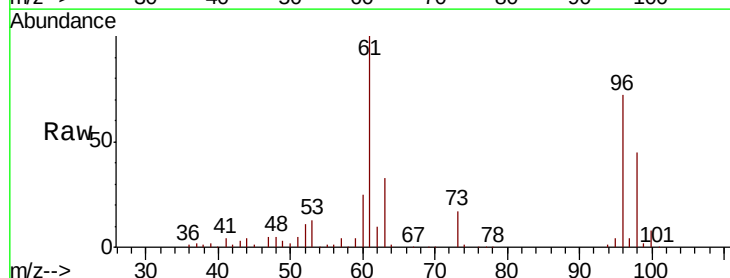
Tgt Ion: 96 Resp: 104758

Ion Ratio Lower Upper

96 100

61 138.5 110.8 166.2

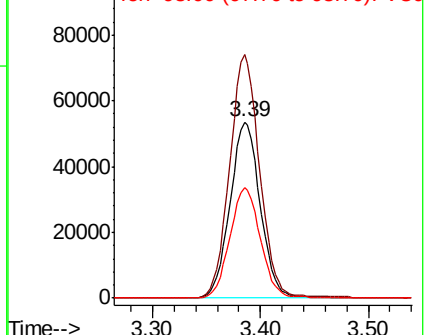
98 62.9 50.3 75.5

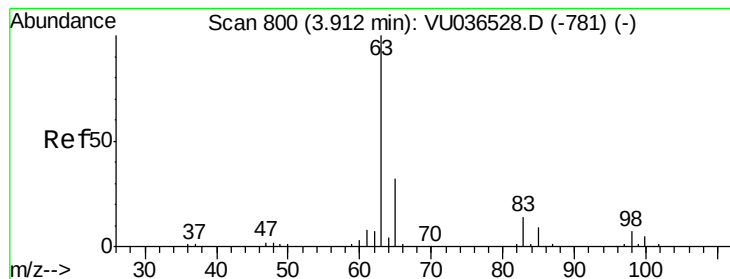


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 8.846 ug/l

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

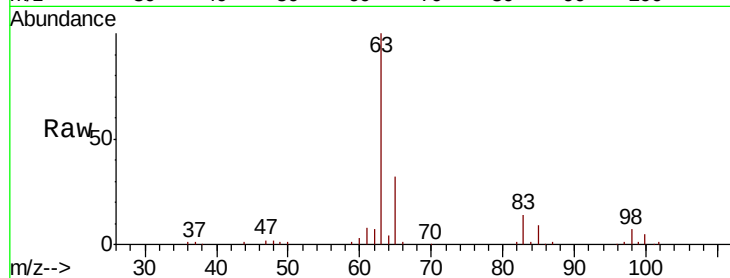
Tot Ion: 63 Resp: 172252

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

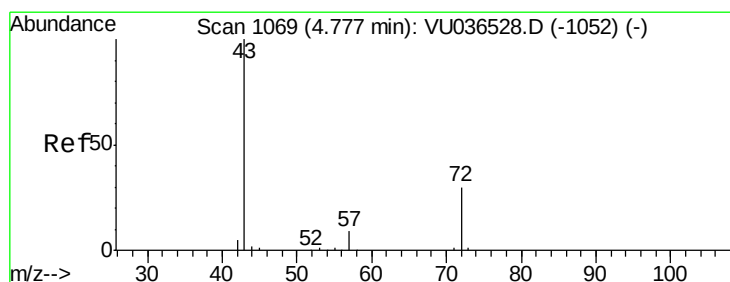
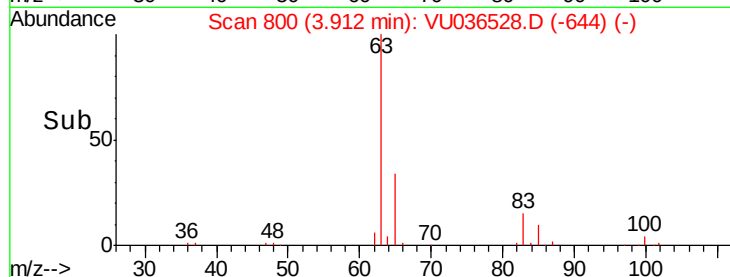
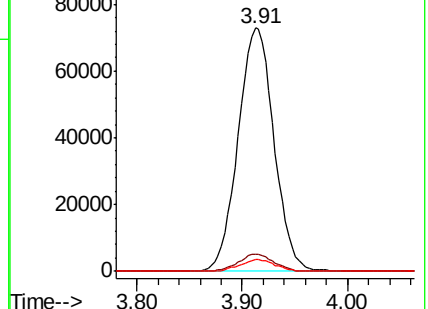
100 4.7 2.4 7.1



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: 34.818 ug/l

RT: 4.78 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU036528.D

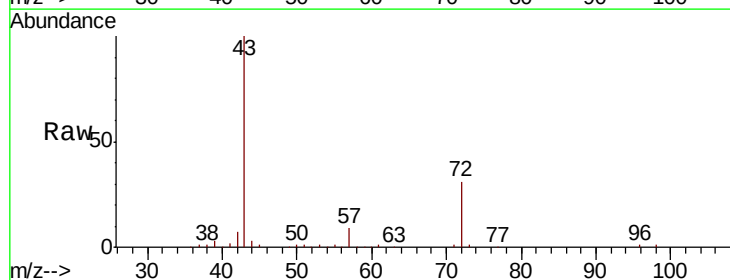
Acq: 22 Jan 2020 16:13

Tgt Ion: 43 Resp: 122885

Ion Ratio Lower Upper

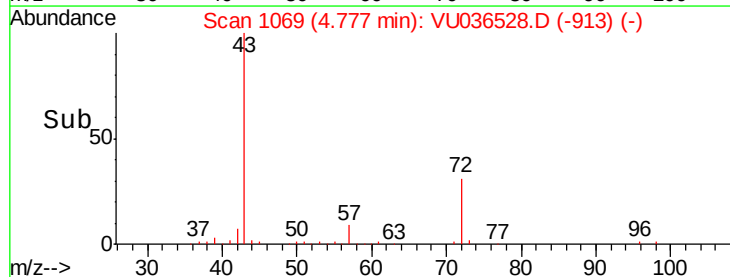
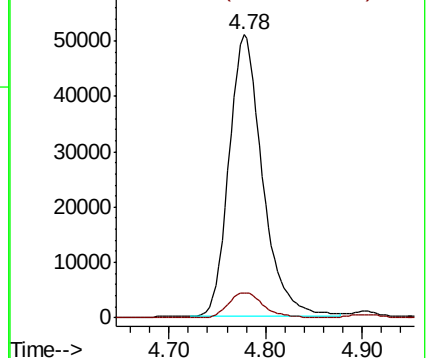
43 100

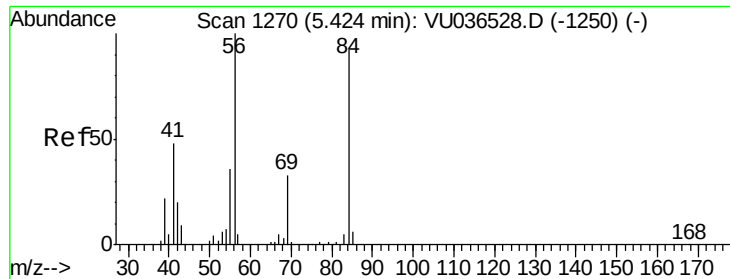
57 8.9 0.0 17.8



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

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

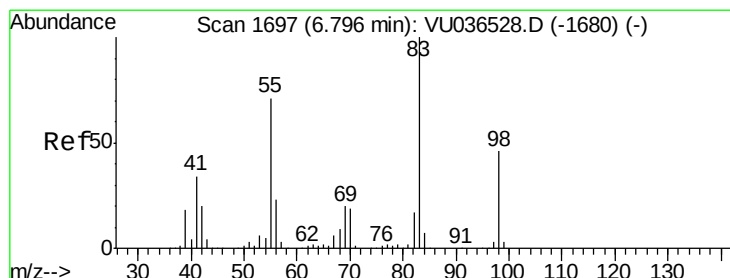
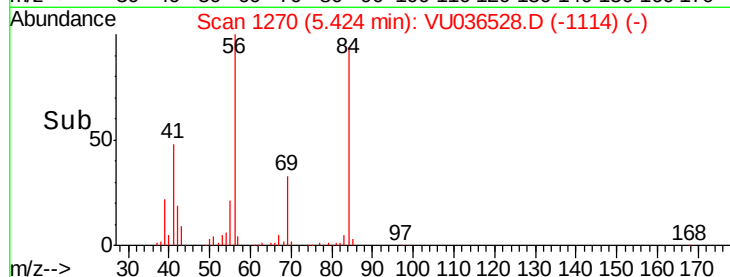
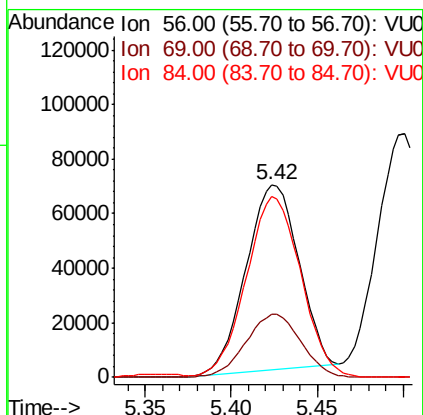
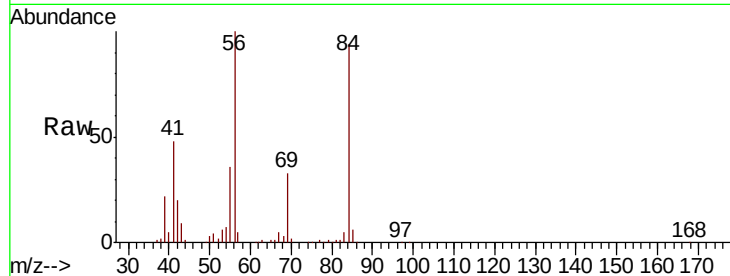




#19
Cyclohexane
Concen: 7.662 ug/l
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

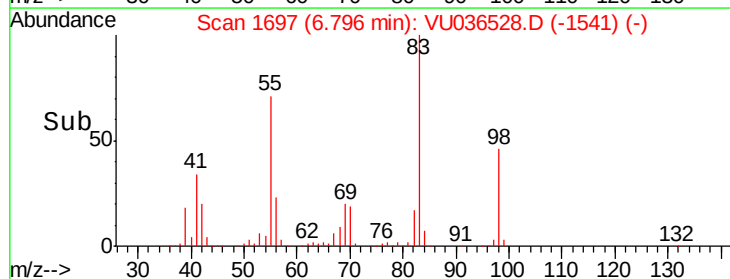
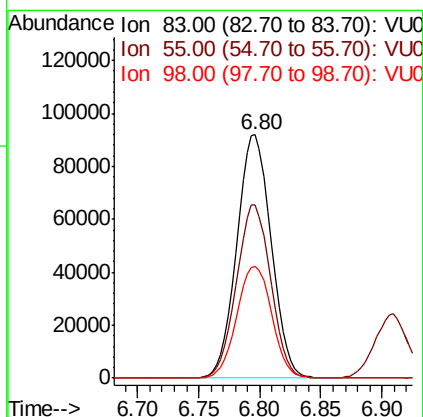
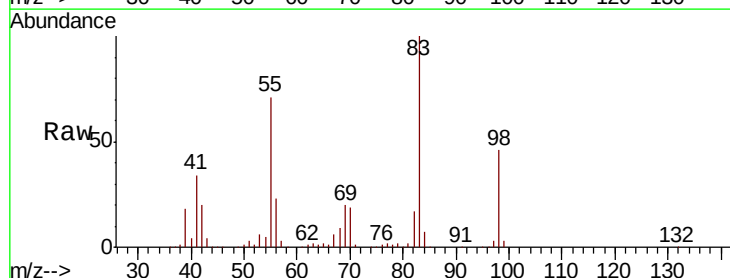
Instrument :
MSVOA_U
ClientSampleId :

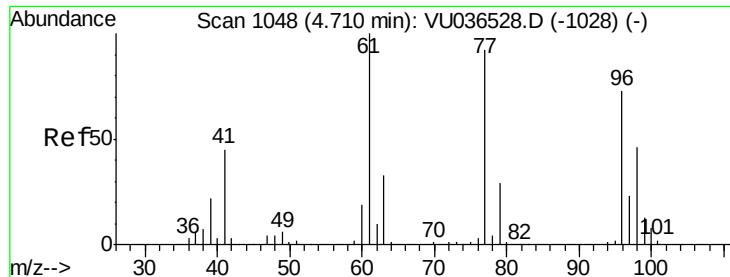
Tot Ion: 56 Resp: 144979
Ion Ratio Lower Upper
56 100
69 35.6 26.2 39.2
84 99.2 72.8 109.2



#20
Methylcyclohexane
Concen: 9.541 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 83 Resp: 179049
Ion Ratio Lower Upper
83 100
55 70.8 56.6 85.0
98 46.9 37.5 56.3

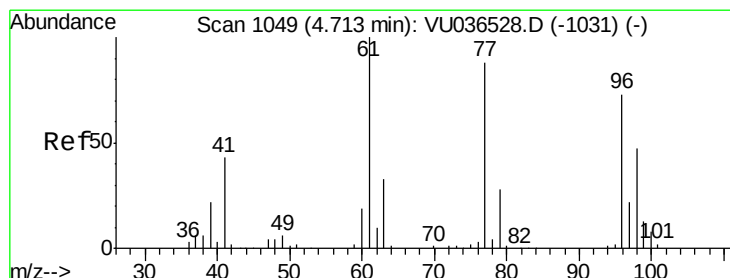
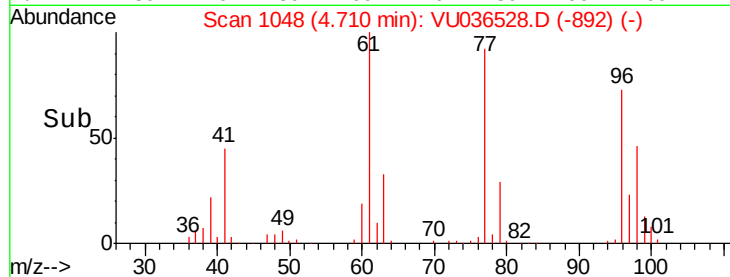
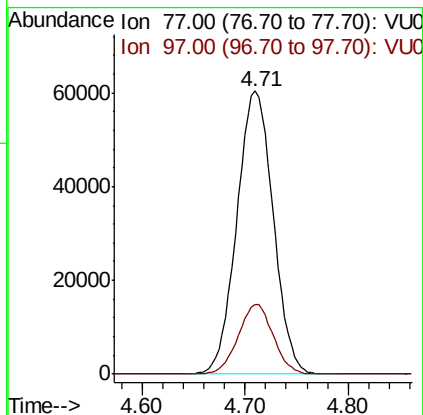
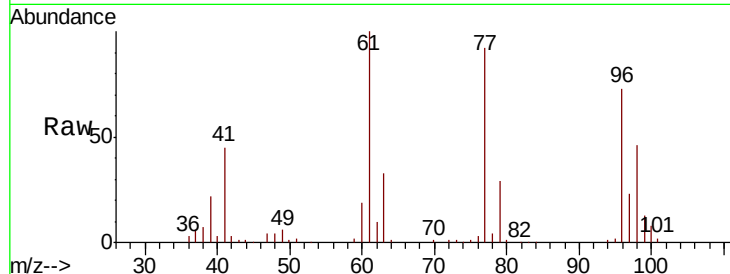




#21
 2,2-Dichloropropane
 Concen: 8.414 ug/l
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

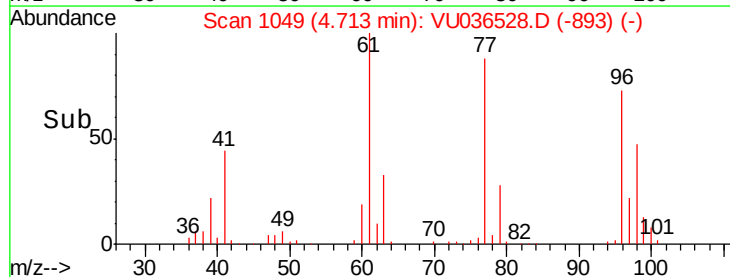
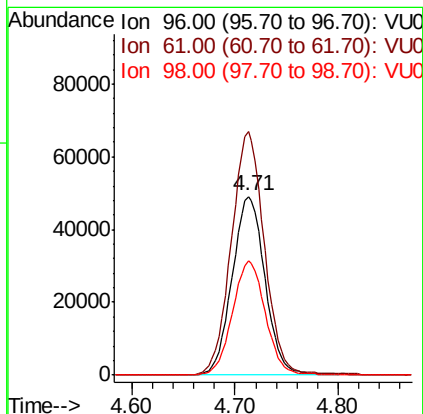
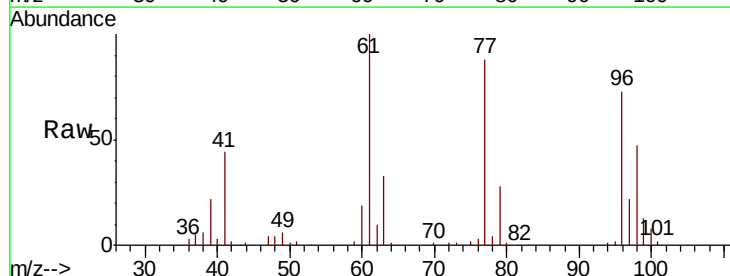
Instrument :
 MSVOA_U
 ClientSampleId :

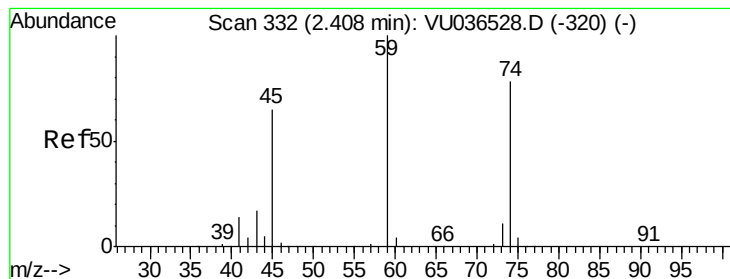
Tot Ion: 77 Resp: 148151
 Ion Ratio Lower Upper
 77 100
 97 23.7 19.0 28.4



#22
 cis-1,2-Dichloroethene
 Concen: 9.887 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 96 Resp: 109144
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 342.0
 98 64.0 32.0 96.0





#23

Diethyl Ether

Concen: 8.733 ug/l

RT: 2.41 min Scan# 332

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

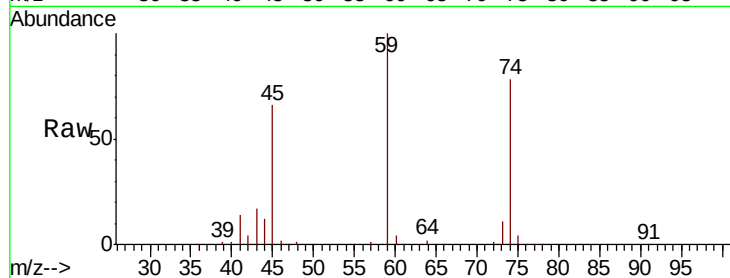
Tot Ion: 59 Resp: 74175

Ion Ratio Lower Upper

59 100

45 65.5 52.4 78.6

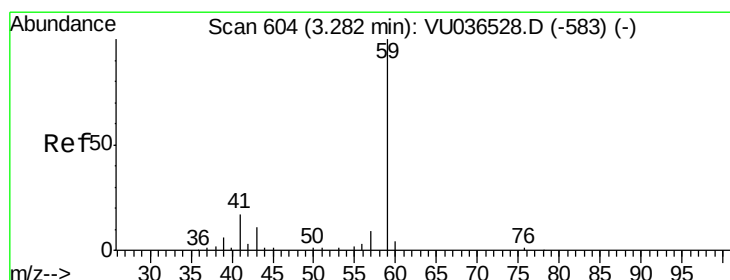
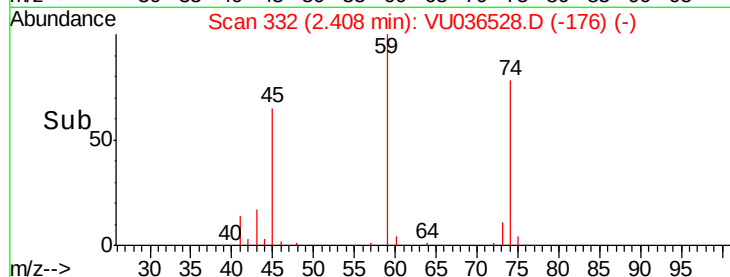
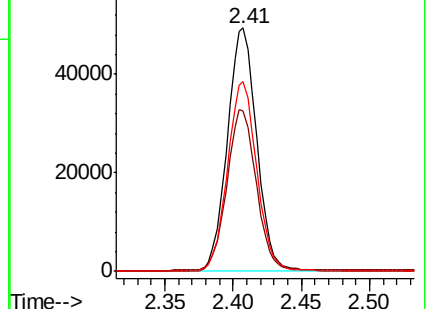
74 77.6 62.1 93.1



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: 74.181 ug/l

RT: 3.28 min Scan# 604

Delta R.T. 0.00 min

Lab File: VU036528.D

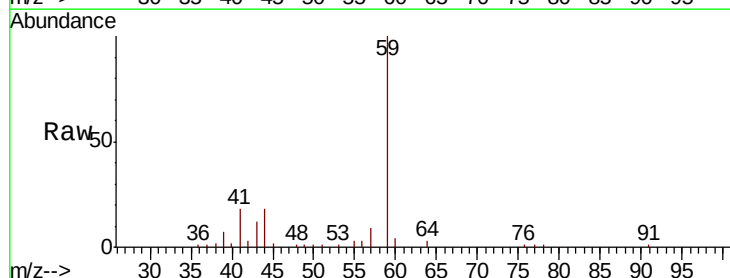
Acq: 22 Jan 2020 16:13

Tgt Ion: 59 Resp: 65190

Ion Ratio Lower Upper

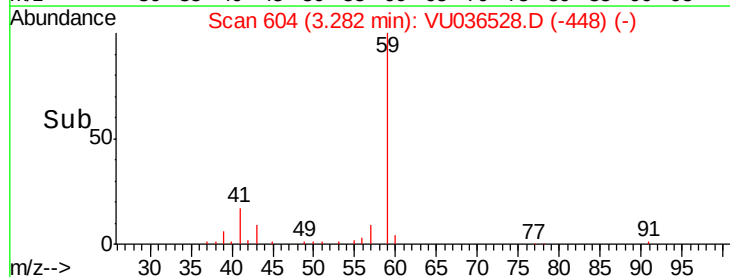
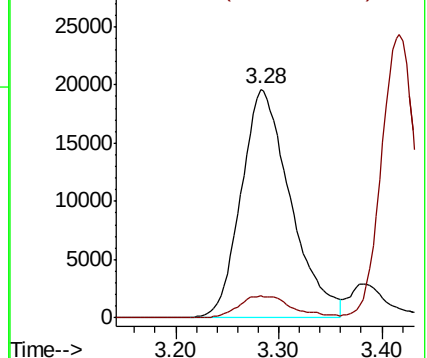
59 100

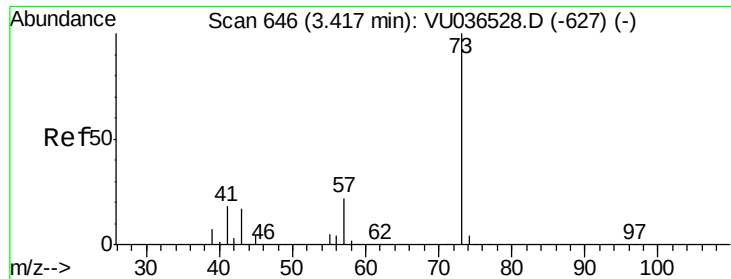
57 10.5 8.4 12.6



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

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

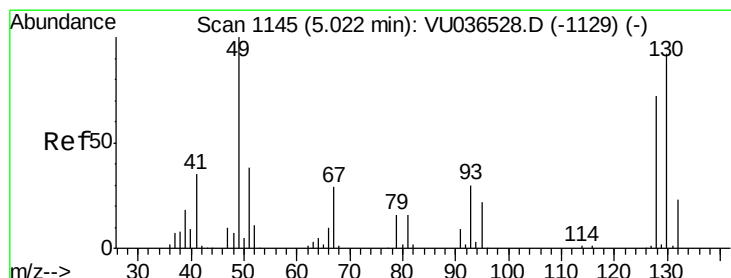
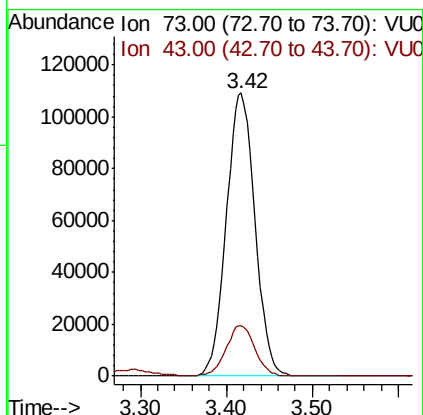
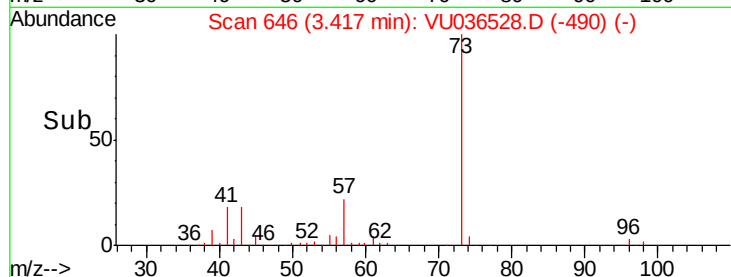
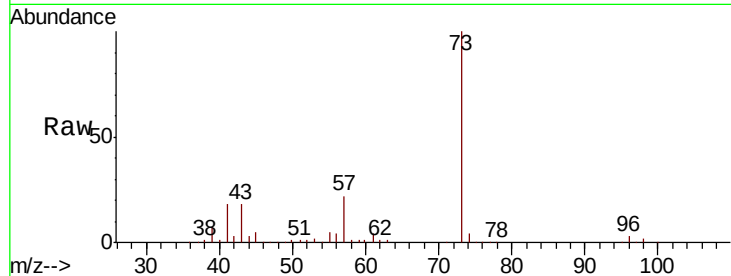




#25
Methyl tert-Butyl Ether
Concen: 8.453 ug/l
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

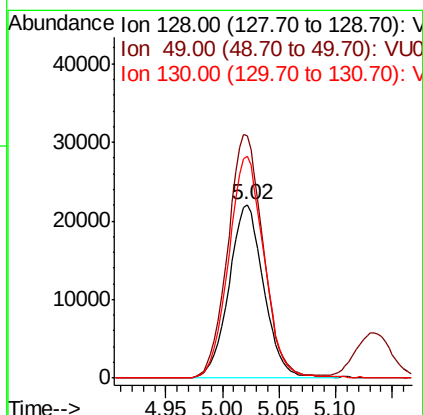
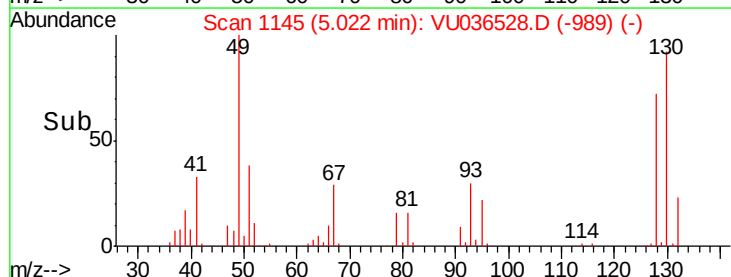
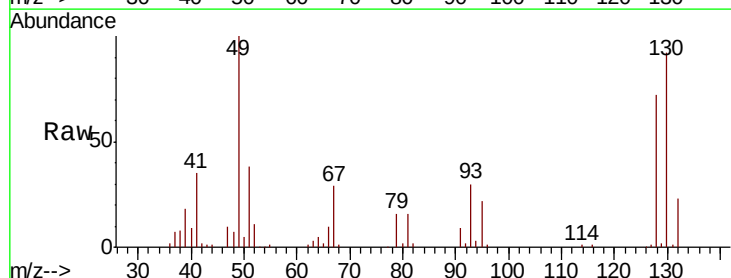
Instrument :
MSVOA_U
ClientSampleId :

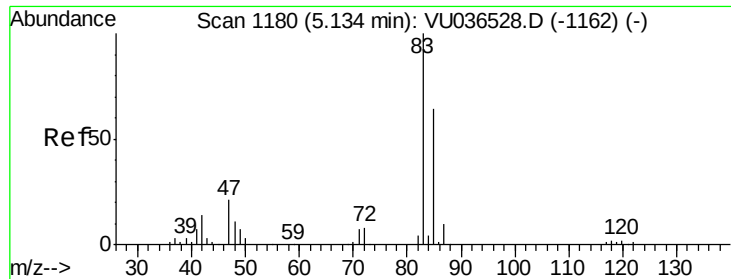
Tot Ion: 73 Resp: 251945
Ion Ratio Lower Upper
73 100
43 18.1 14.5 21.7



#26
Bromochloromethane
Concen: 10.673 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 128 Resp: 47216
Ion Ratio Lower Upper
128 100
49 143.1 0.0 286.2
130 130.4 104.3 156.5

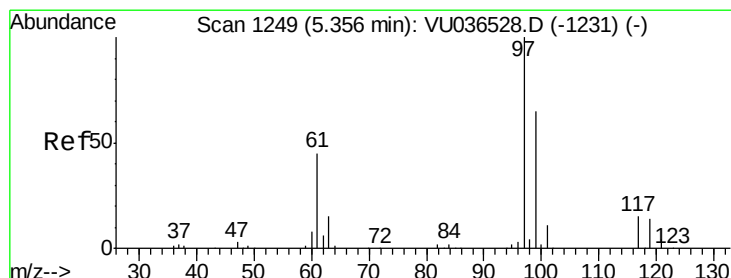
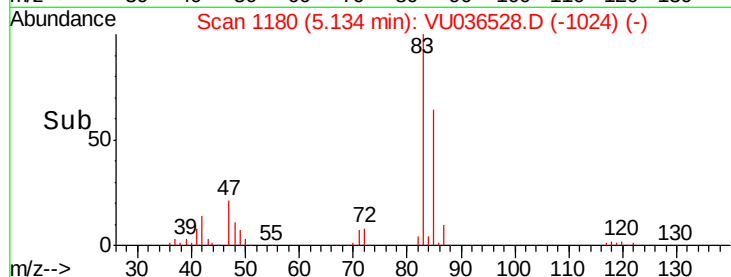
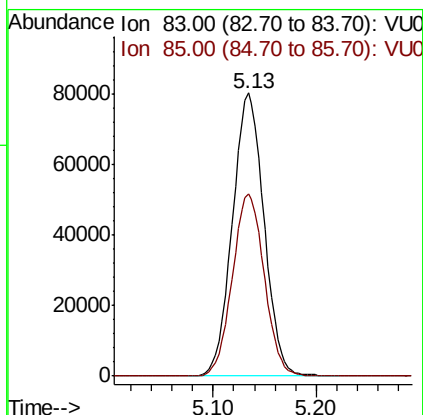
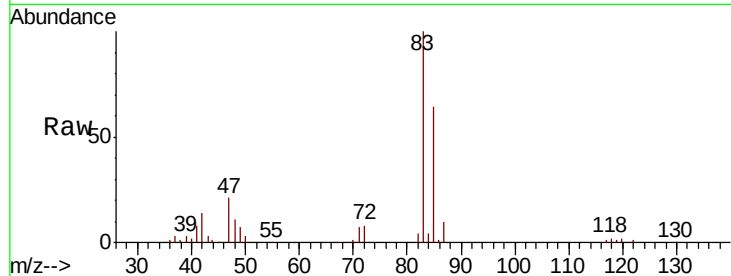




#27
Chloroform
Concen: 8.824 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

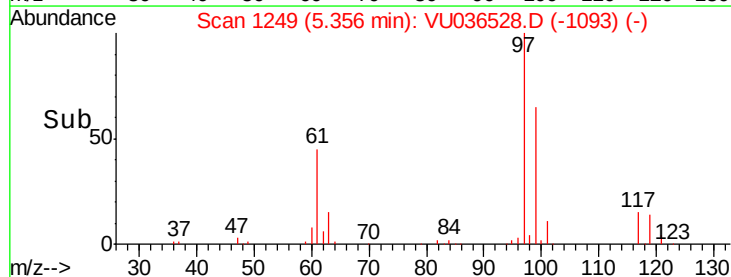
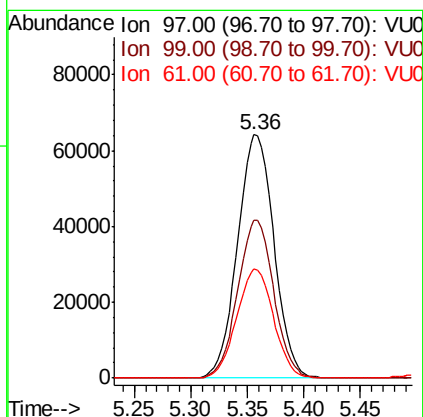
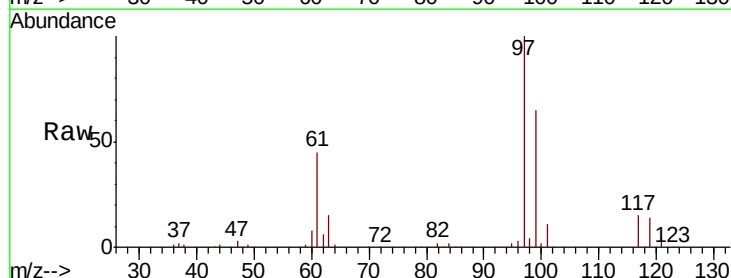
Instrument :
MSVOA_U
ClientSampleId :

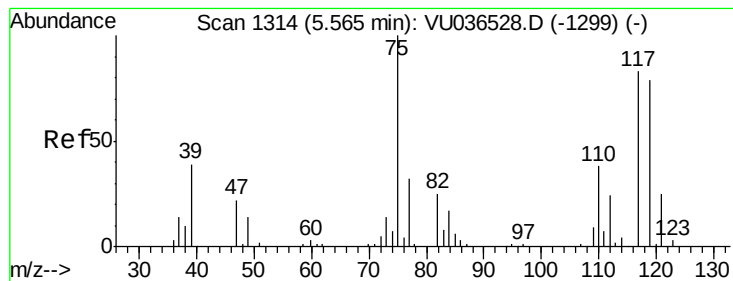
Tot Ion: 83 Resp: 171059
Ion Ratio Lower Upper
83 100
85 64.5 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 8.399 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 97 Resp: 144159
Ion Ratio Lower Upper
97 100
99 64.2 32.1 96.3
61 45.3 22.7 68.0





#29

1,1-Dichloropropene

Concen: 8.916 ug/l

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

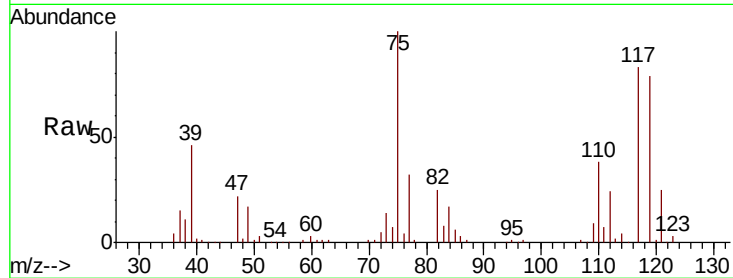
Tot Ion: 75 Resp: 139821

Ion Ratio Lower Upper

75 100

110 37.2 18.6 55.8

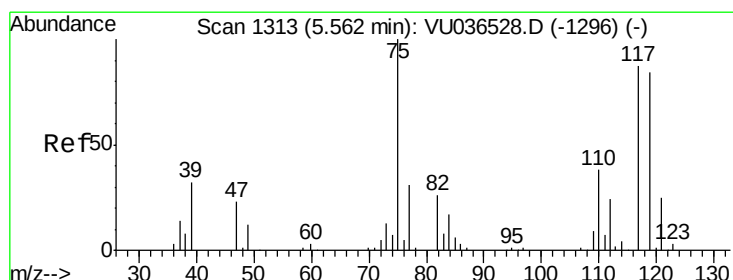
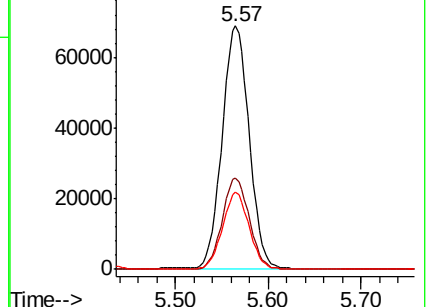
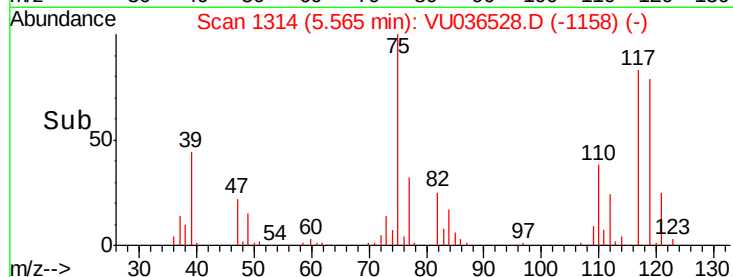
77 31.2 25.0 37.4



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

Ion 110.00 (109.70 to 110.70): VU036528.D (-1299) (-)

Ion 77.00 (76.70 to 77.70): VU036528.D (-1299) (-)



#30

Carbon Tetrachloride

Concen: 8.589 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

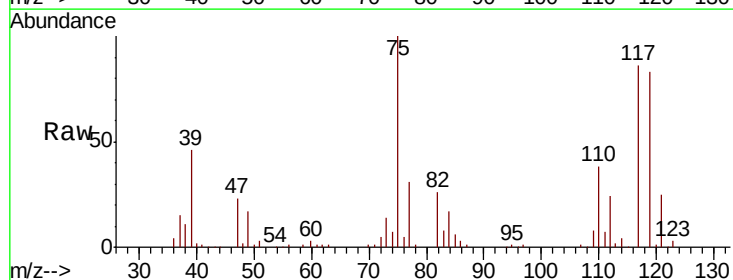
Tgt Ion: 117 Resp: 123985

Ion Ratio Lower Upper

117 100

119 96.3 77.0 115.6

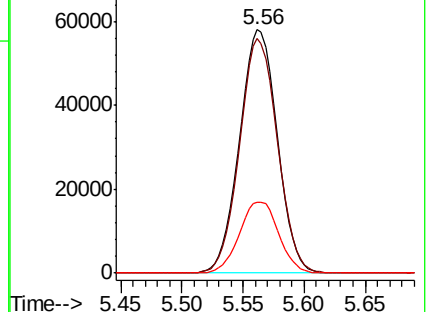
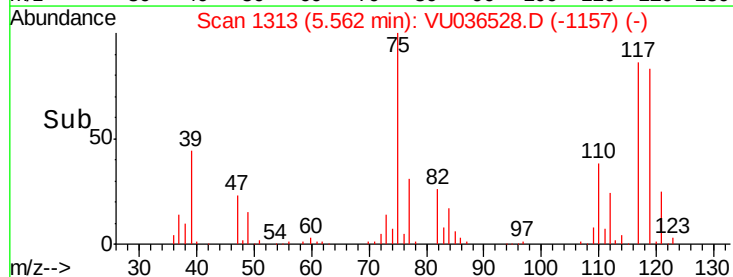
121 29.1 23.3 34.9

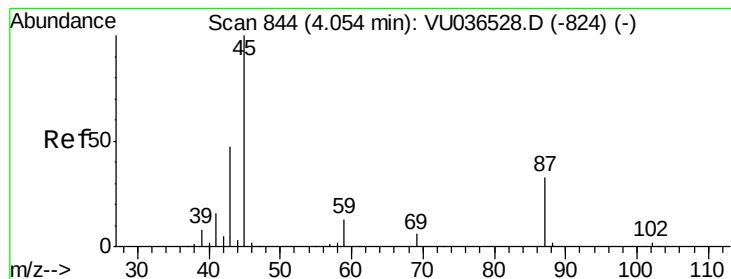


Abundance Ion 117.00 (116.70 to 117.70): VU036528.D (-1296) (-)

Ion 119.00 (118.70 to 119.70): VU036528.D (-1296) (-)

Ion 121.00 (120.70 to 121.70): VU036528.D (-1296) (-)





#31

Isopropyl Ether

Concen: 8.000 ug/l

RT: 4.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

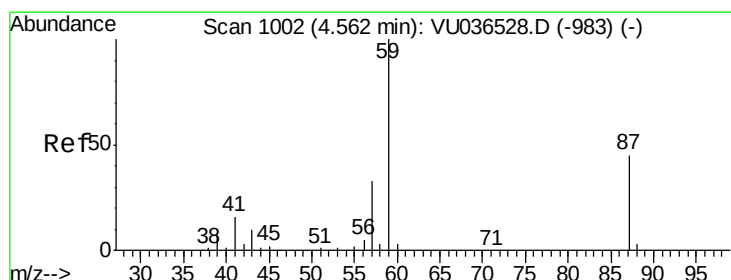
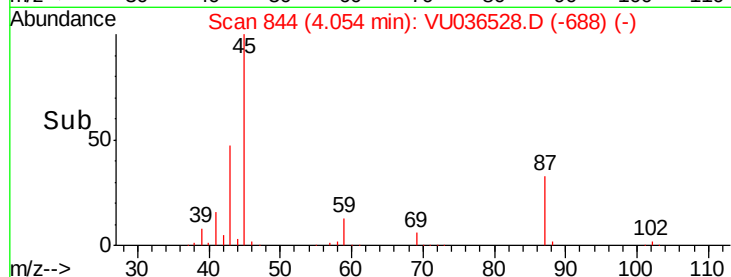
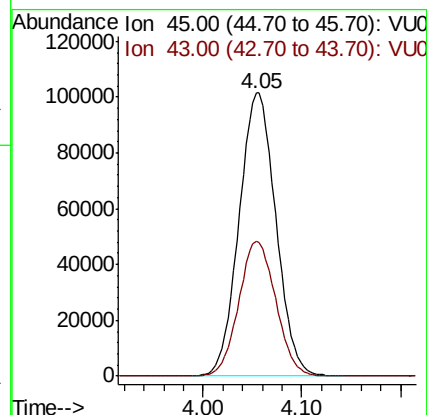
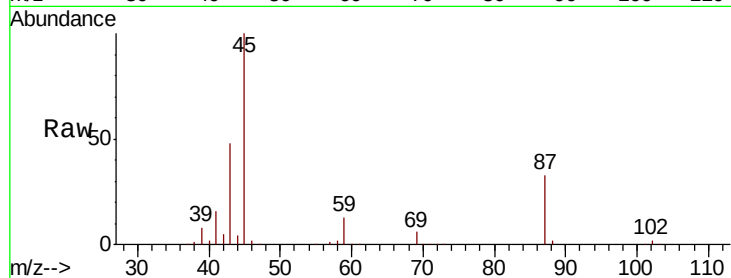
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 45 Resp: 262107

Ion Ratio Lower Upper

45 100

43 48.0 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 8.607 ug/l

RT: 4.56 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VU036528.D

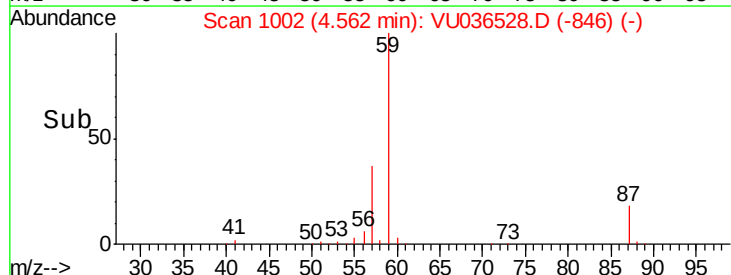
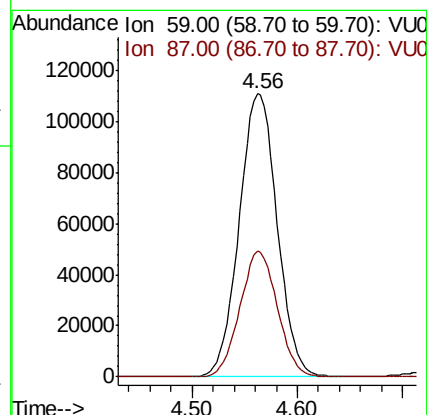
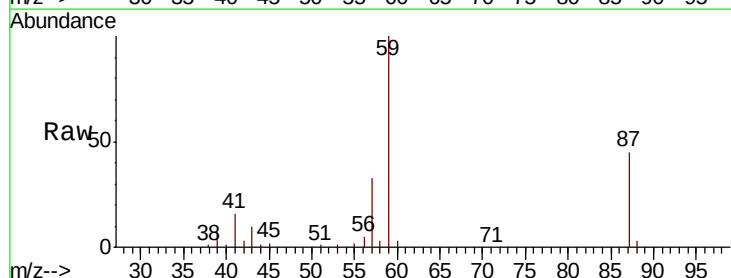
Acq: 22 Jan 2020 16:13

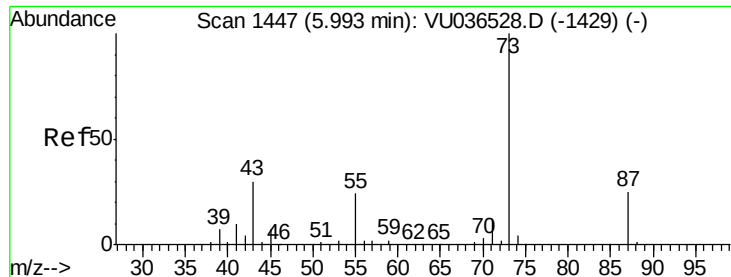
Tgt Ion: 59 Resp: 275863

Ion Ratio Lower Upper

59 100

87 43.9 35.1 52.7



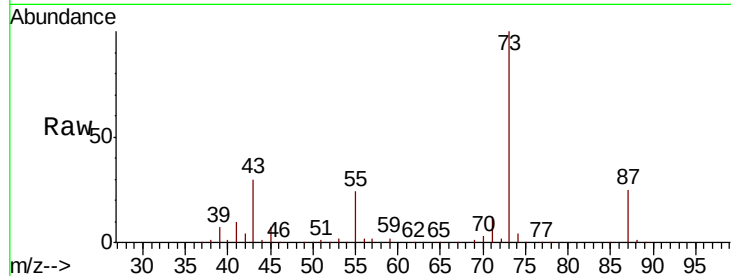


#33

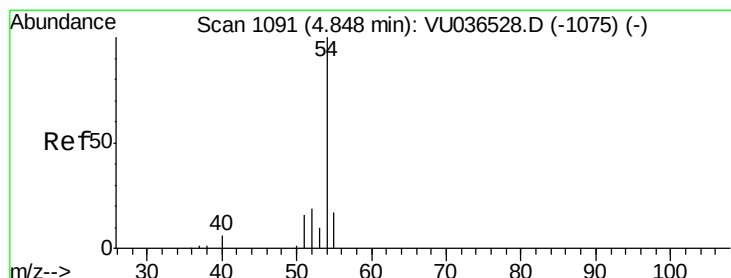
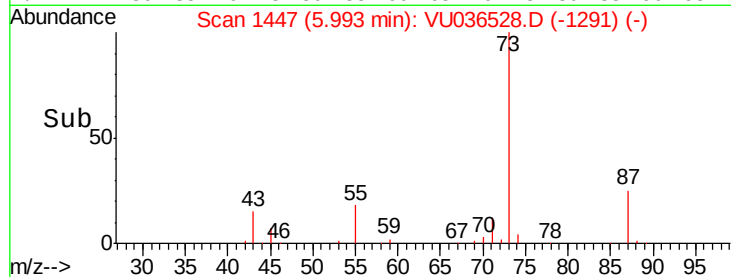
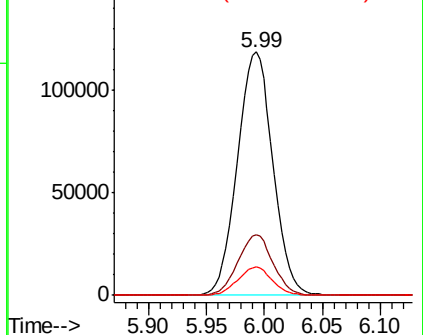
Tert-Butyl methyl ether
 Concen: 8.598 ug/l
 RT: 5.99 min Scan# 1447
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 250433
 Ion Ratio Lower Upper
 73 100
 87 24.7 19.8 29.6
 71 11.4 9.1 13.7



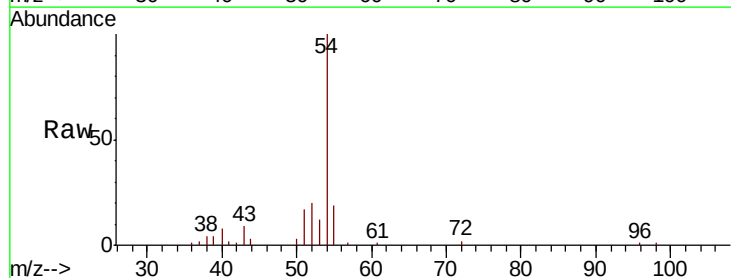
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 87.00 (86.70 to 87.70): VU0
 Ion 71.00 (70.70 to 71.70): VU0



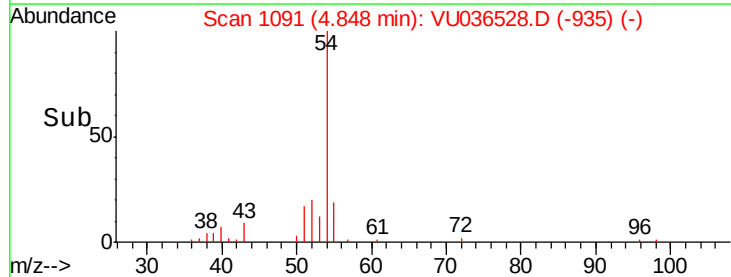
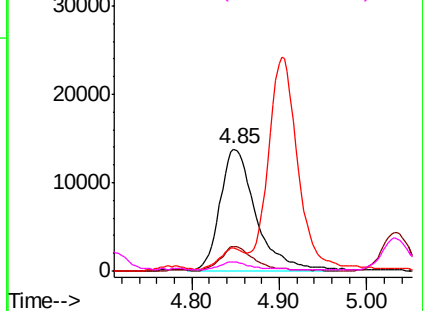
#34

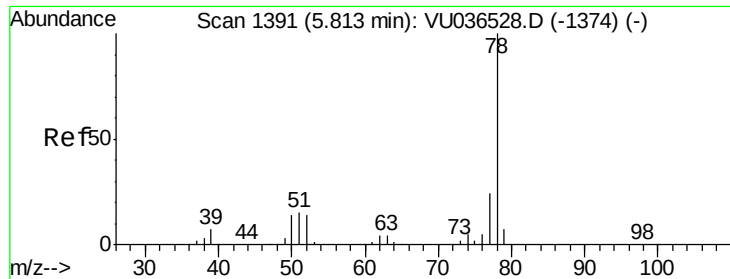
Propionitrile
 Concen: 45.123 ug/l
 RT: 4.85 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 54 Resp: 39727
 Ion Ratio Lower Upper
 54 100
 52 19.0 15.2 22.8
 55 11.9 9.5 14.3
 40 5.7 4.6 6.8



Abundance Ion 54.00 (53.70 to 54.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 40.00 (39.70 to 40.70): VU0

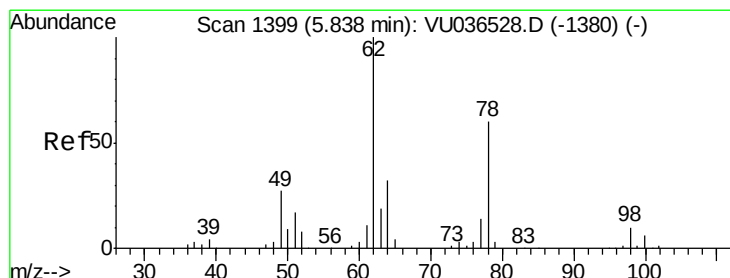
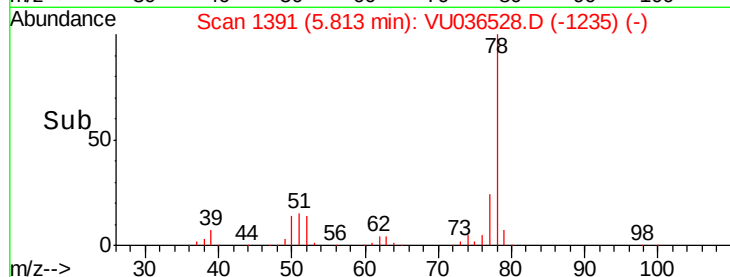
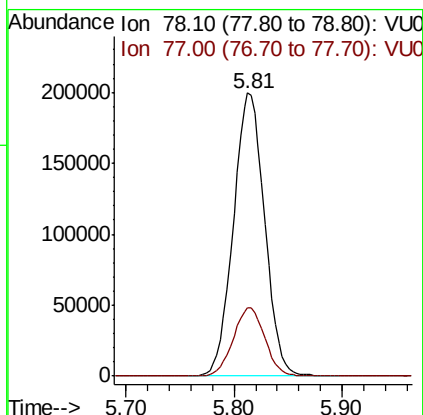
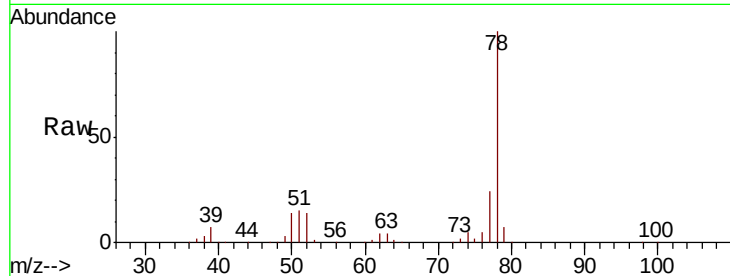




#35
Benzene
Concen: 9.177 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

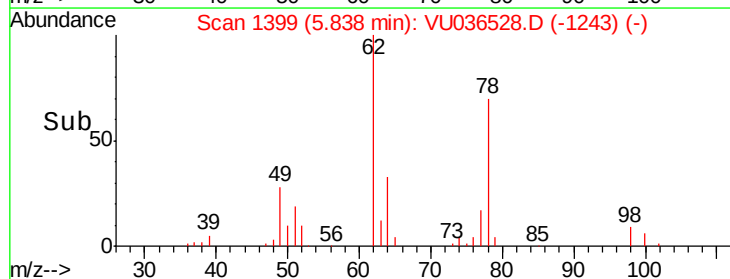
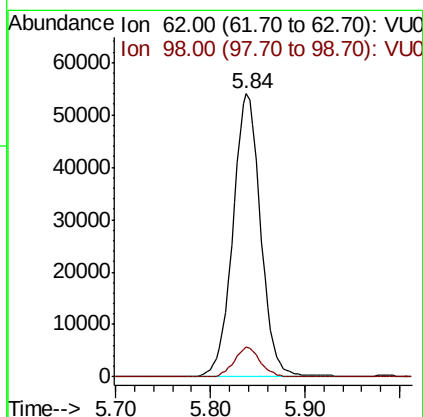
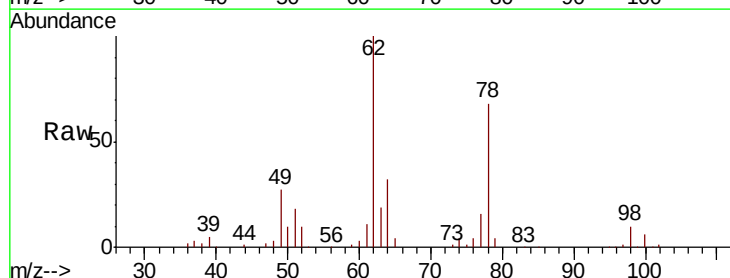
Instrument :
MSVOA_U
ClientSampleId :

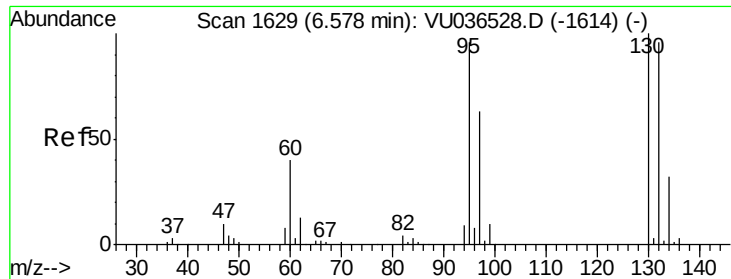
Tot Ion: 78 Resp: 402420
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0



#36
1,2-Dichloroethane
Concen: 7.847 ug/l
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 62 Resp: 110213
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8

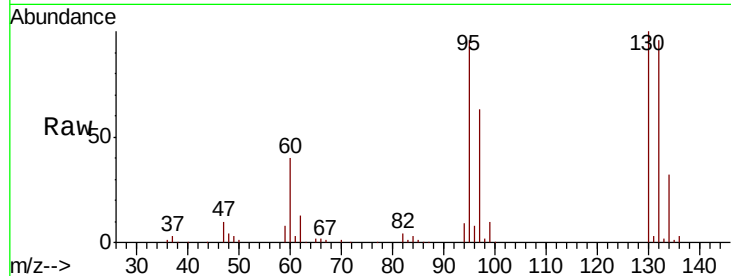




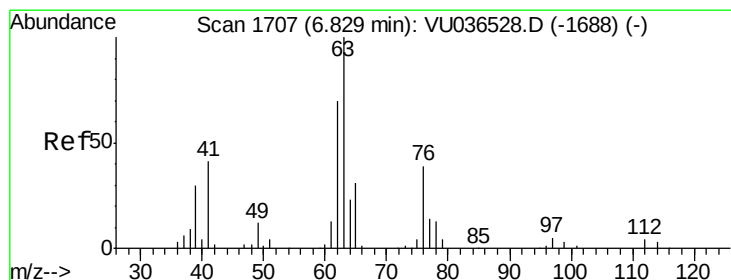
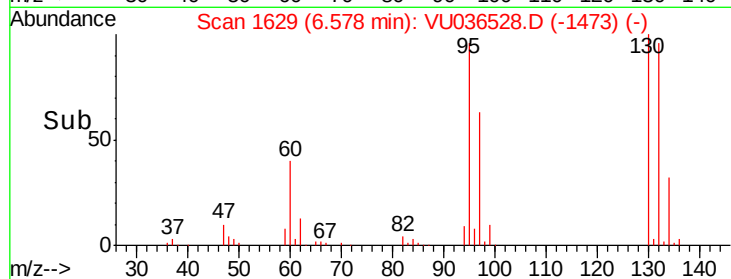
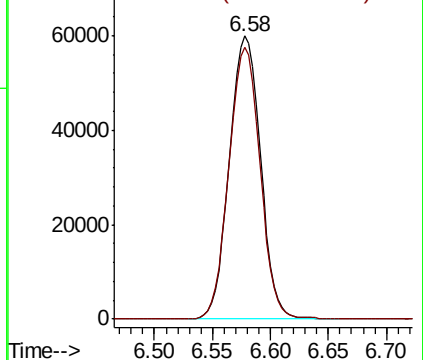
#37
 Trichloroethene
 Concen: 10.498 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 111781
 Ion Ratio Lower Upper
 130 100
 95 96.2 77.0 115.4

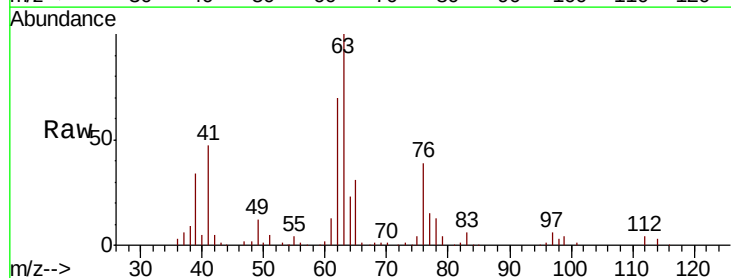


Abundance Ion 129.90 (129.60 to 130.60): VU036528.D (-1614) (-)
 Ion 94.90 (94.60 to 95.60): VU036528.D (-1614) (-)

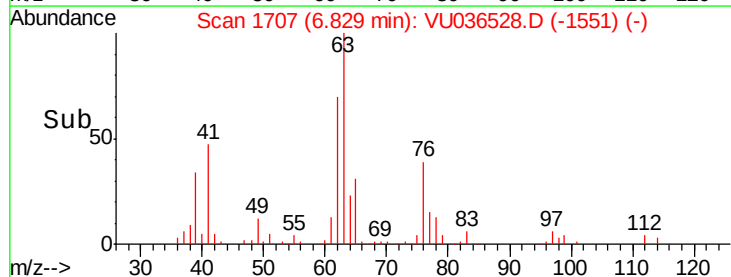
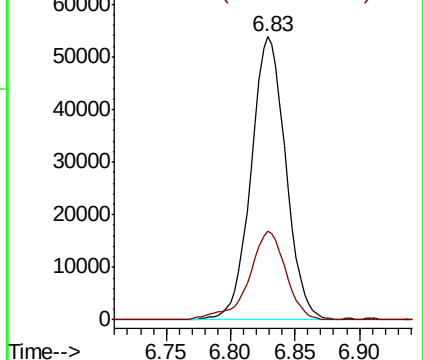


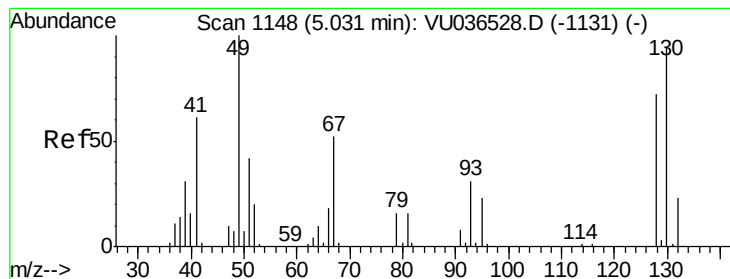
#38
 1,2-Dichloropropane
 Concen: 8.790 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 63 Resp: 101213
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



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





#39

Methacrylonitrile

Concen: 7.432 ug/l

RT: 5.03 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 41 Resp: 31003

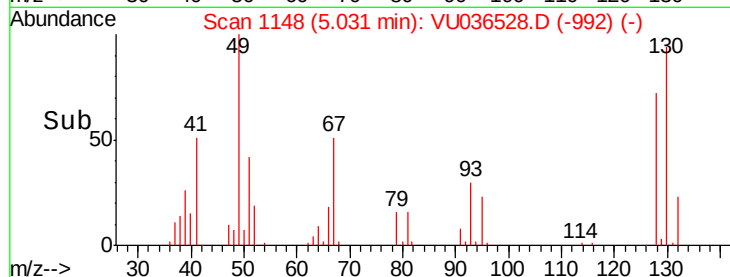
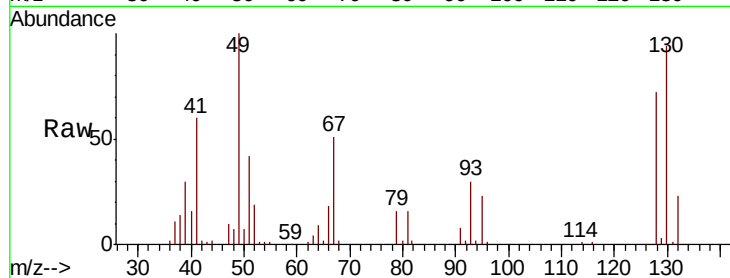
Ion Ratio Lower Upper

41 100

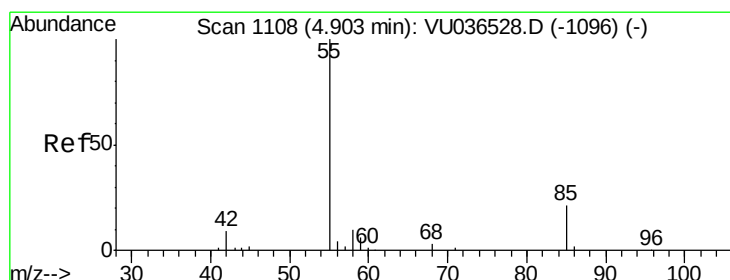
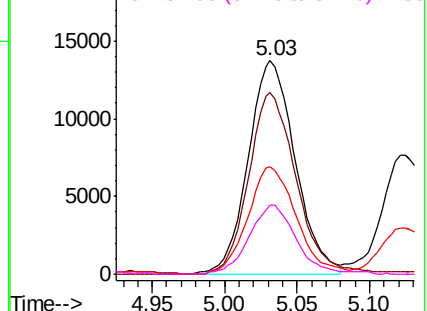
67 87.0 69.6 104.4

39 52.0 41.6 62.4

52 32.4 25.9 38.9



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



#40

Methyl acrylate

Concen: 8.699 ug/l

RT: 4.90 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion: 55 Resp: 53843

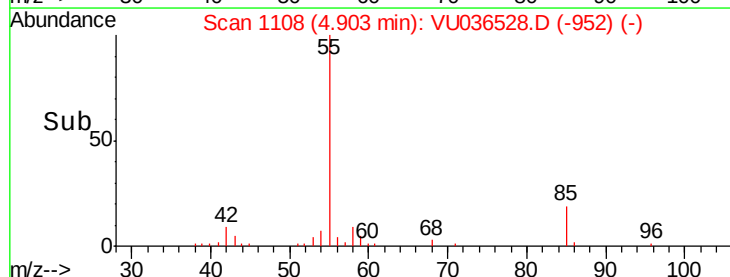
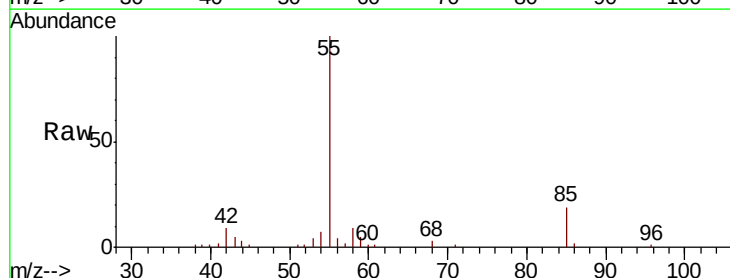
Ion Ratio Lower Upper

55 100

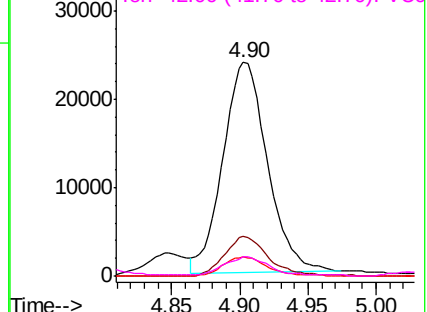
85 18.4 14.7 22.1

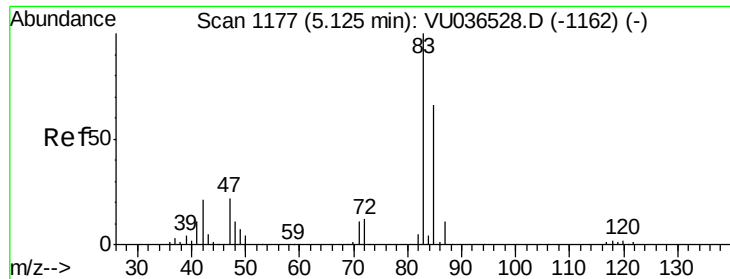
58 8.9 7.1 10.7

42 8.6 6.9 10.3



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





#41

Tetrahydrofuran

Concen: 15.231 ug/l

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

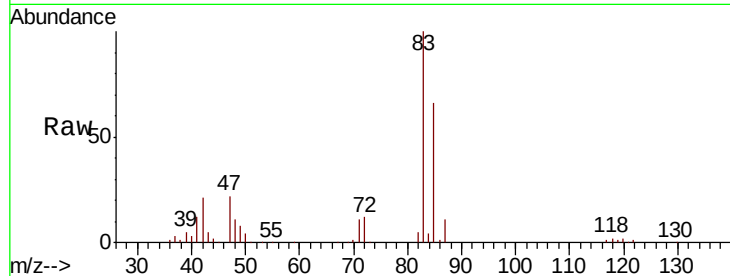
Tot Ion: 42 Resp: 32947

Ion Ratio Lower Upper

42 100

72 53.1 42.5 63.7

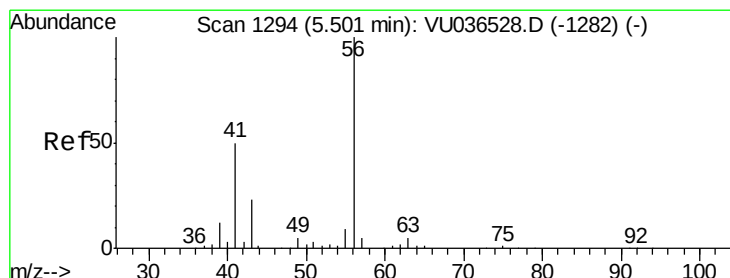
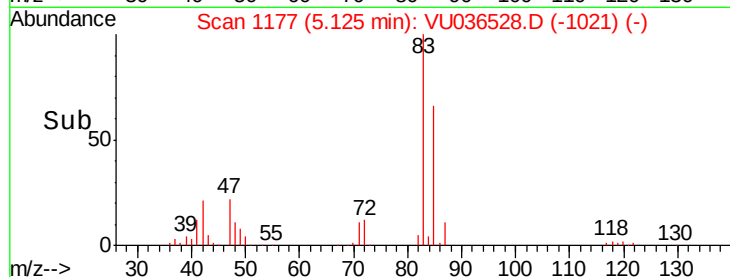
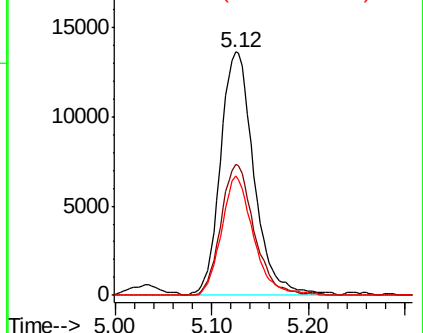
71 46.6 37.3 55.9



Abundance Ion 42.00 (41.70 to 42.70): VU036528.D (-1162) (-)

Ion 72.00 (71.70 to 72.70): VU036528.D (-1162) (-)

Ion 71.00 (70.70 to 71.70): VU036528.D (-1162) (-)



#42

1-Chlorobutane

Concen: 7.999 ug/l

RT: 5.50 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VU036528.D

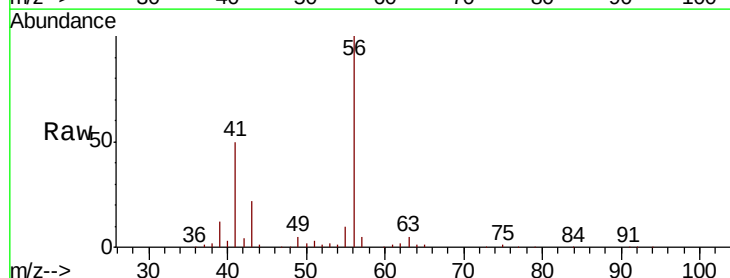
Acq: 22 Jan 2020 16:13

Tgt Ion: 56 Resp: 181717

Ion Ratio Lower Upper

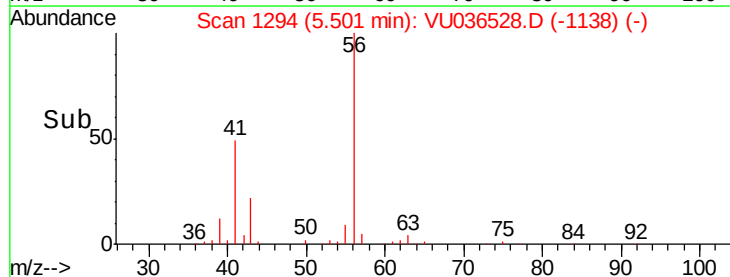
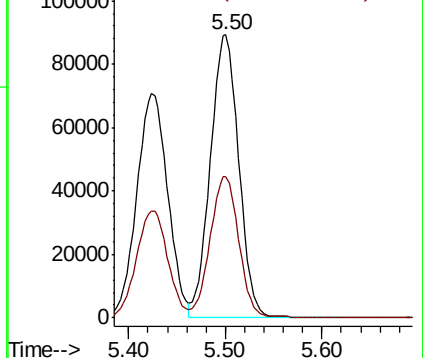
56 100

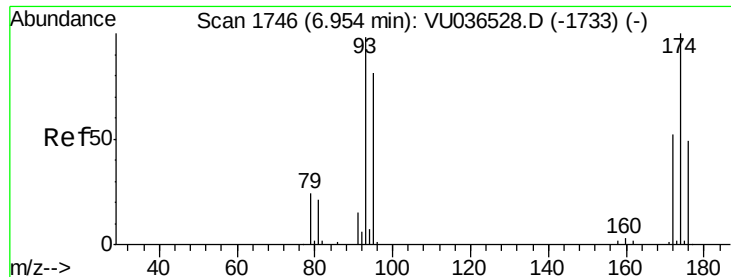
41 49.5 24.8 74.3



Abundance Ion 56.00 (55.70 to 56.70): VU036528.D (-1282) (-)

Ion 41.00 (40.70 to 41.70): VU036528.D (-1282) (-)

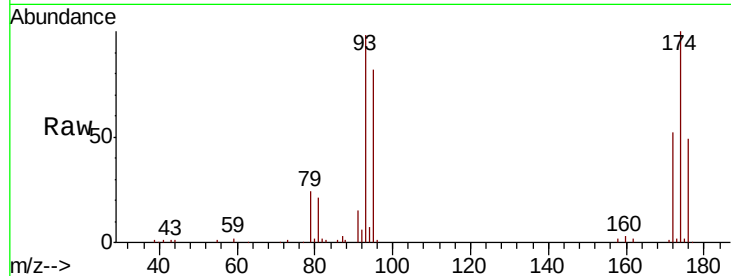




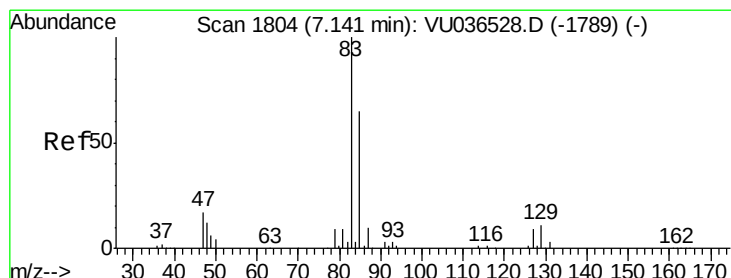
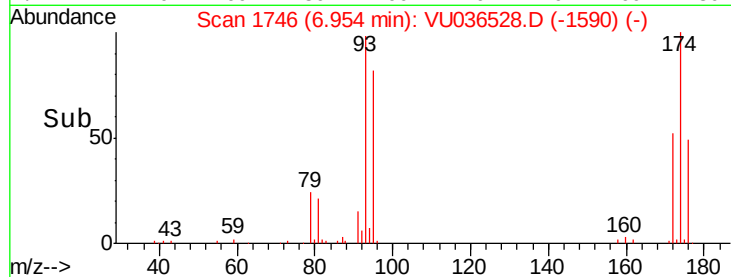
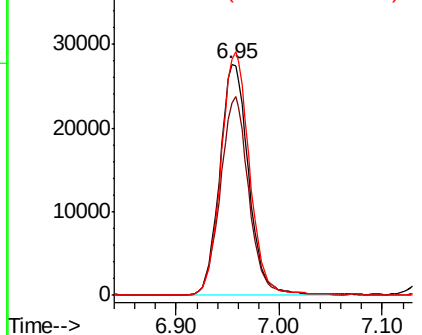
#43
 Dibromomethane
 Concen: 9.088 ug/l
 RT: 6.95 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 93 Resp: 53747
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.9 101.9
 174 104.2 83.4 125.0

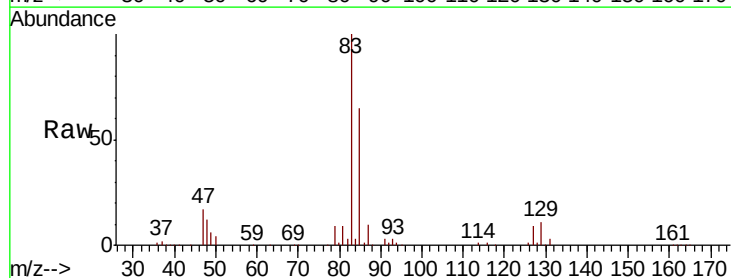


Abundance Ion 93.00 (92.70 to 93.70): VU0
 Ion 95.00 (94.70 to 95.70): VU0
 Ion 174.00 (173.70 to 174.70): V

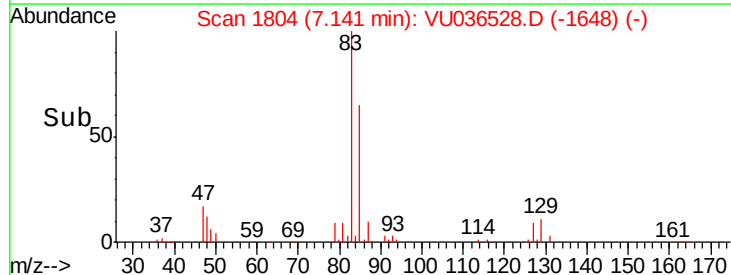
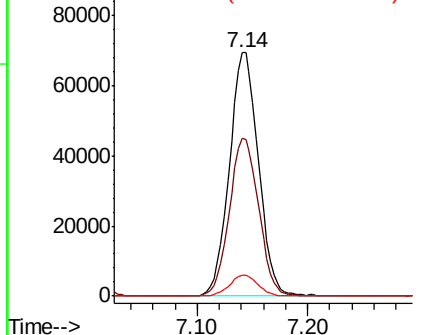


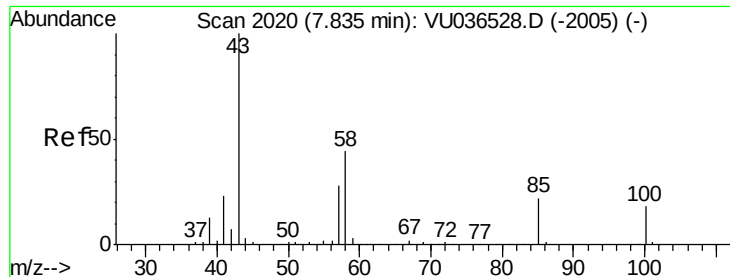
#44
 Bromodichloromethane
 Concen: 8.340 ug/l
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 83 Resp: 126972
 Ion Ratio Lower Upper
 83 100
 85 64.7 51.8 77.6
 127 8.5 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: 36.579 ug/l

RT: 7.84 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampled :

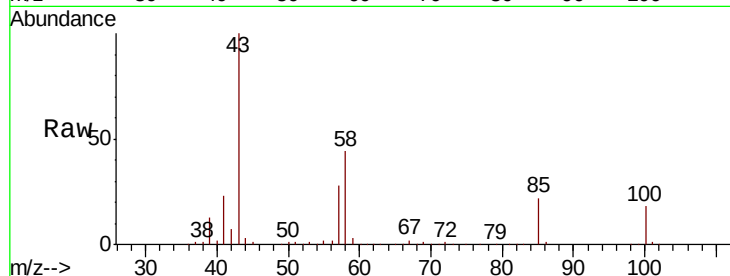
Tot Ion: 43 Resp: 299196

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

200000

150000

100000

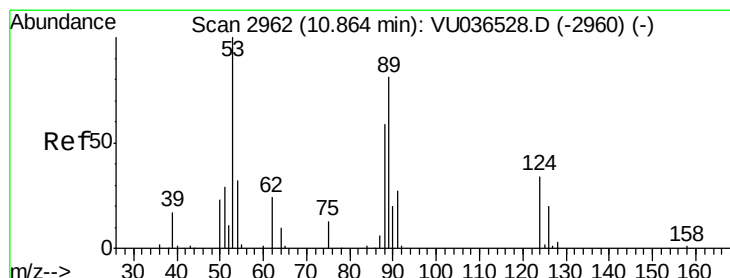
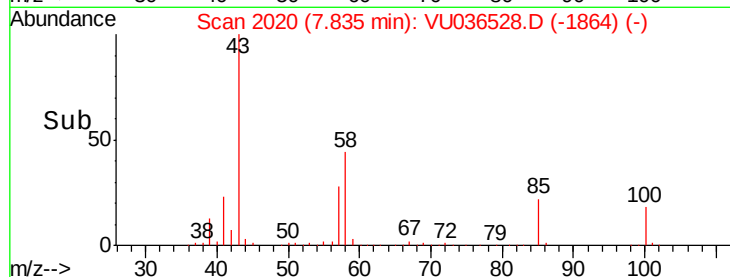
50000

0

7.84

7.80 7.90 8.00

Time-->



#46

t-1,4-Dichloro-2-butene

Concen: 38.873 ug/l

RT: 10.86 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Tgt Ion: 75 Resp: 129055

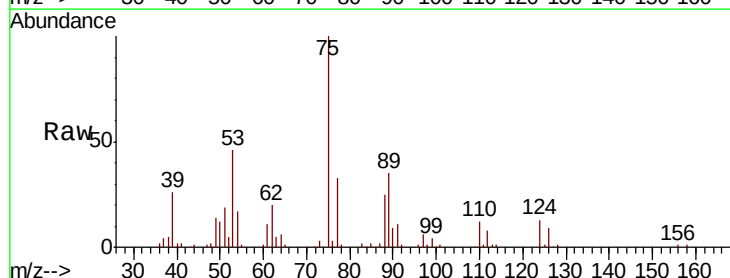
Ion Ratio Lower Upper

75 100

53 32.7 52.2 78.2#

89 24.9 39.8 59.6#

88 17.2 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

60000

40000

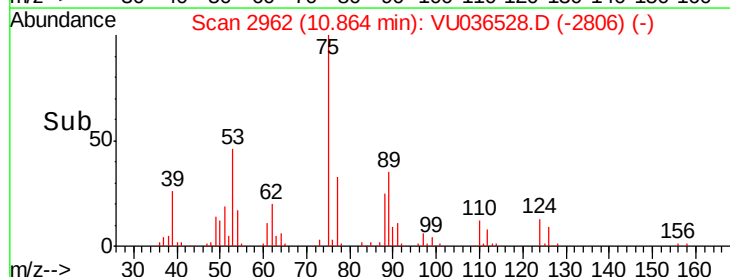
20000

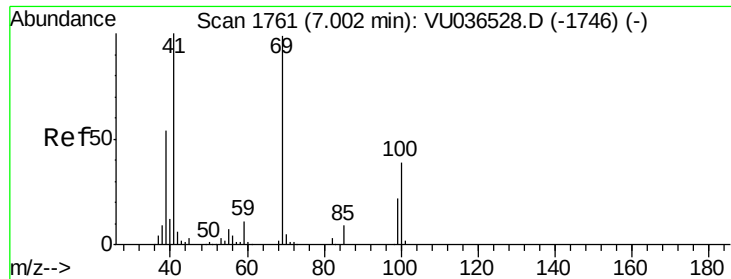
0

10.86

10.80 10.85 10.90

Time-->

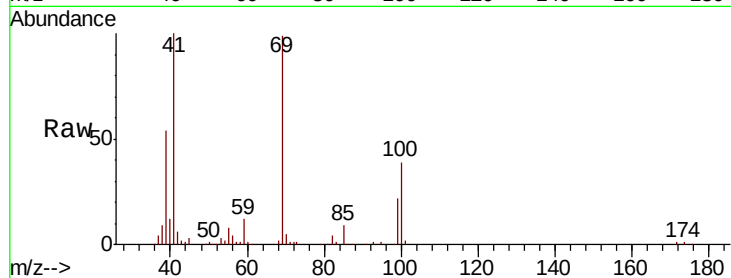




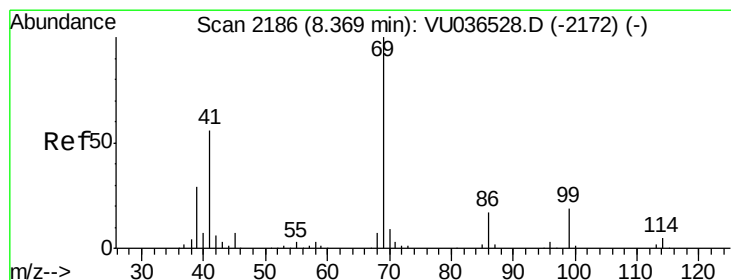
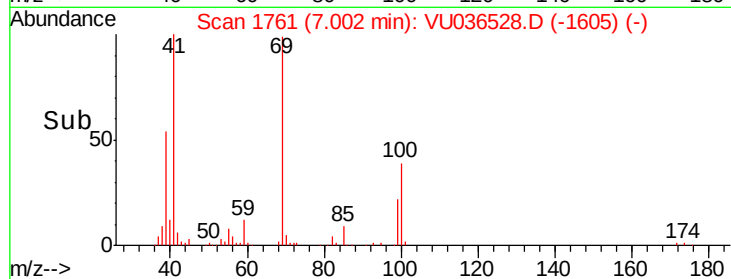
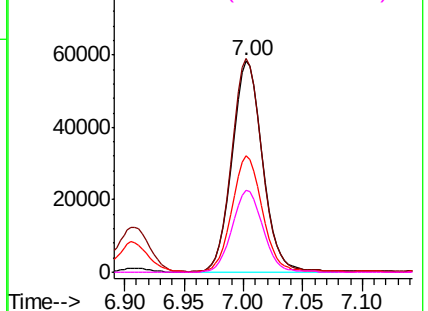
#47
Methyl methacrylate
Concen: 18.492 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 104299
Ion Ratio Lower Upper
69 100
41 100.4 0.0 200.8
39 54.4 43.5 65.3
100 38.9 31.1 46.7

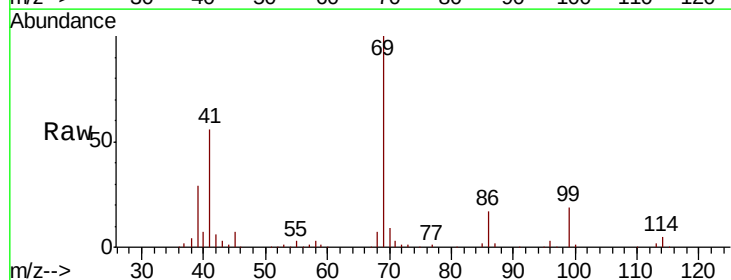


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

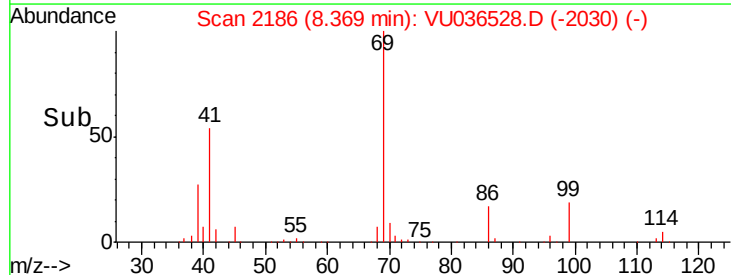
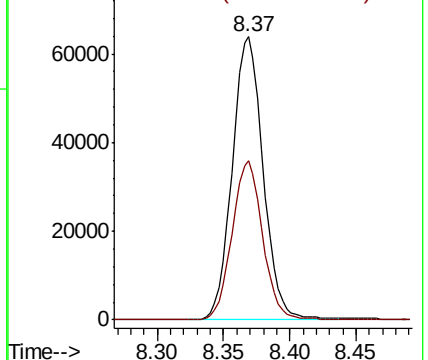


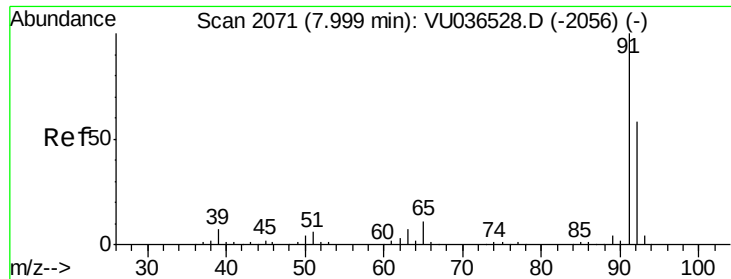
#48
Ethyl methacrylate
Concen: 9.276 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 69 Resp: 103406
Ion Ratio Lower Upper
69 100
41 55.7 27.9 83.6



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





#49

Toluene

Concen: 9.390 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

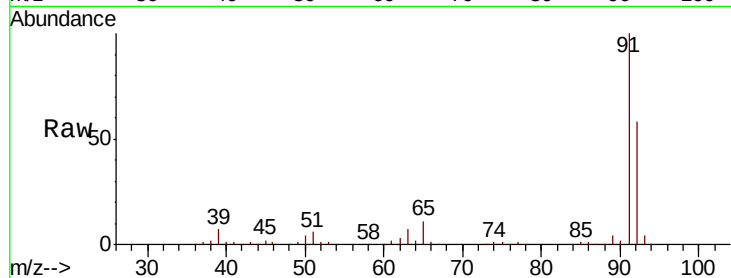
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 255398

Ion Ratio Lower Upper

92 100

91 173.9 139.1 208.7



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

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

8.00

250000

200000

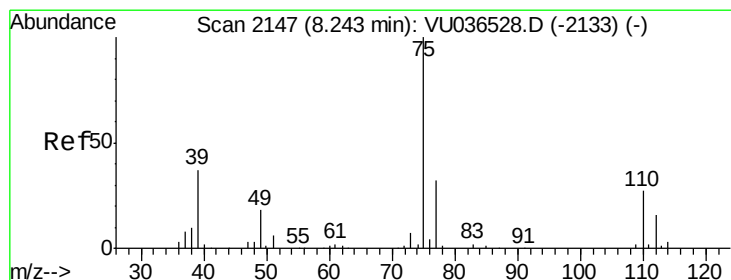
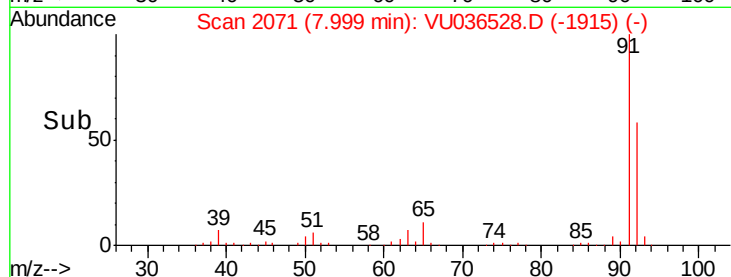
150000

100000

50000

0

Time-->



#50

t-1,3-Dichloropropene

Concen: 8.795 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036528.D

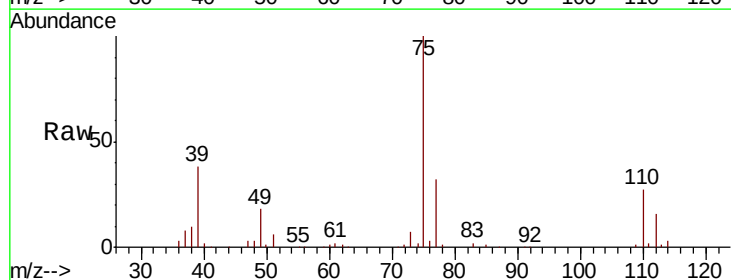
Acq: 22 Jan 2020 16:13

Tgt Ion: 75 Resp: 131390

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



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

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

8.24

80000

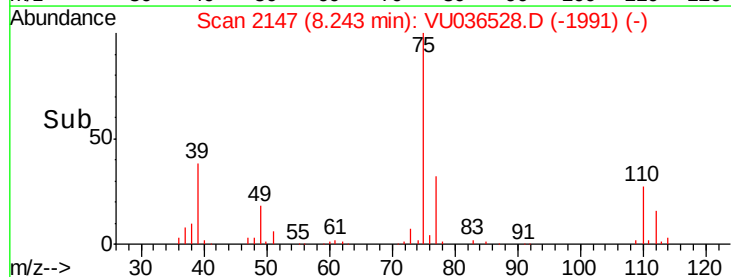
60000

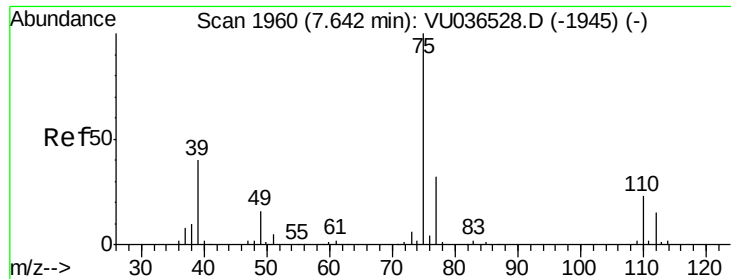
40000

20000

0

Time-->

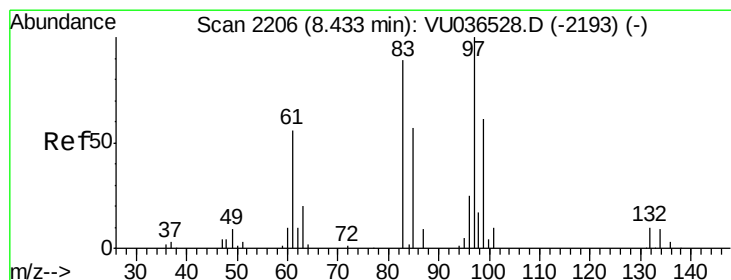
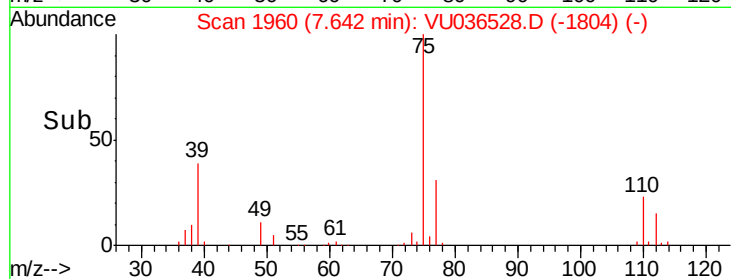
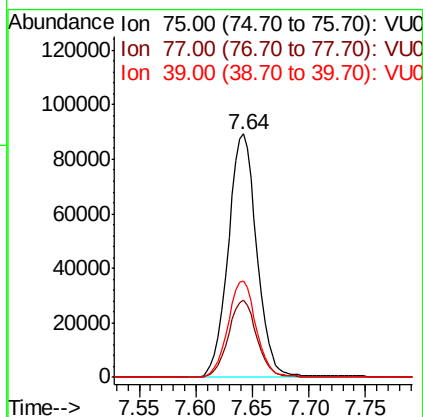
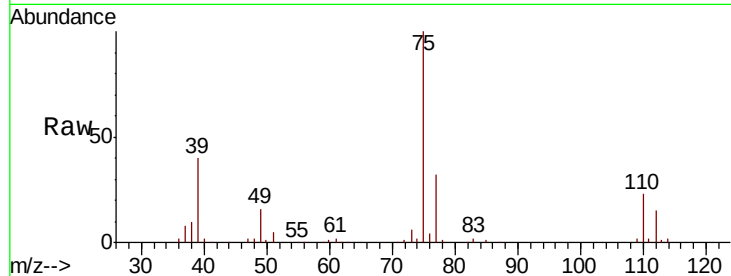




#51
 cis-1,3-Dichloropropene
 Concen: 9.106 ug/l
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

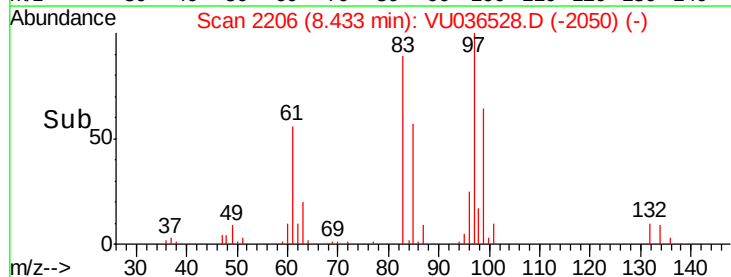
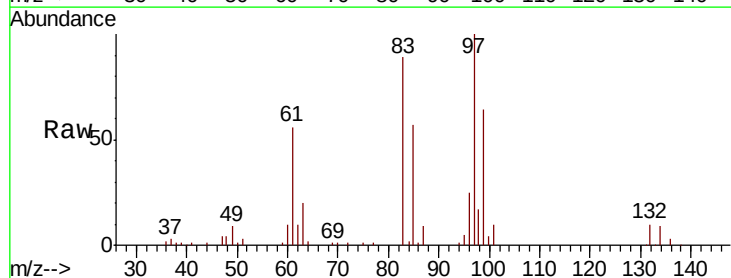
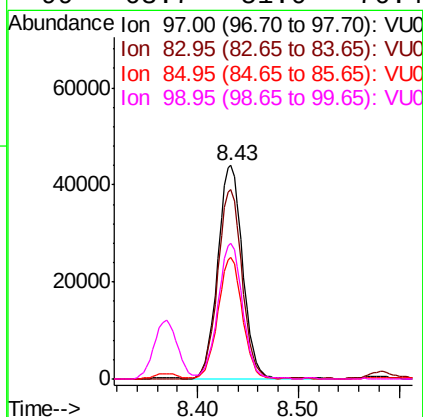
Instrument :
 MSVOA_U
 ClientSampled :

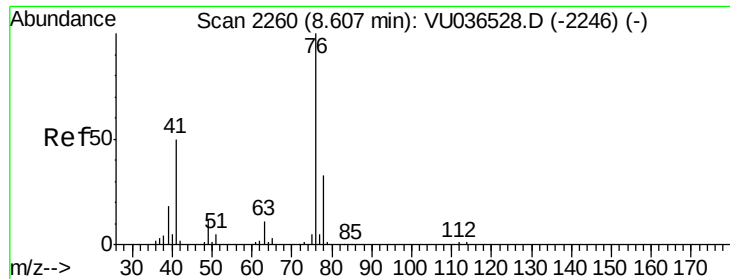
Tot Ion: 75 Resp: 157231
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 39.7 31.8 47.6



#52
 1,1,2-Trichloroethane
 Concen: 9.702 ug/l
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 97 Resp: 76090
 Ion Ratio Lower Upper
 97 100
 83 88.6 70.9 106.3
 85 57.0 45.6 68.4
 99 63.7 51.0 76.4





#53

1,3-Dichloropropane

Concen: 8.920 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

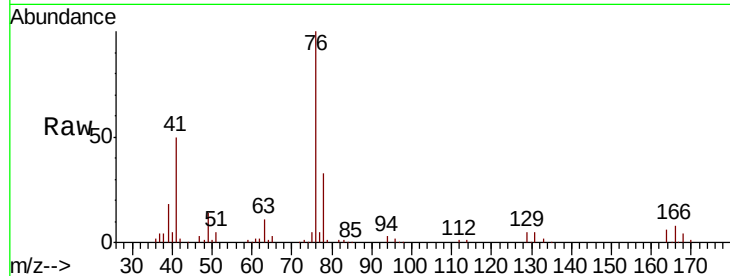
ClientSampleId :

Tot Ion: 76 Resp: 130549

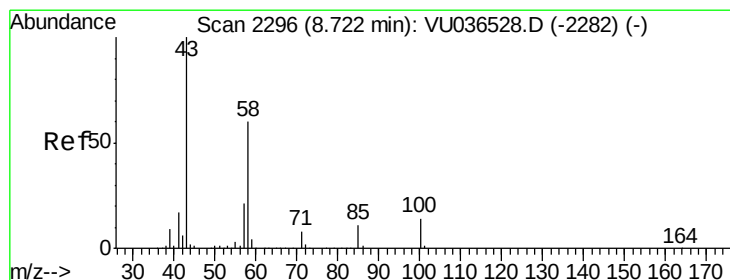
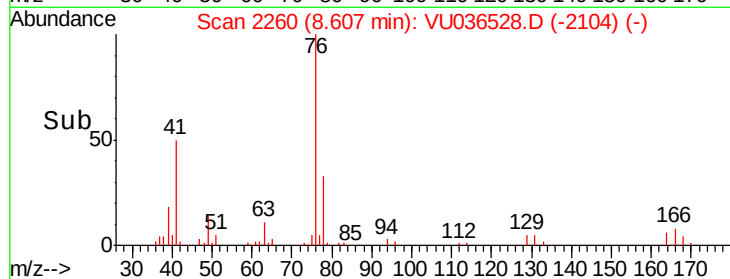
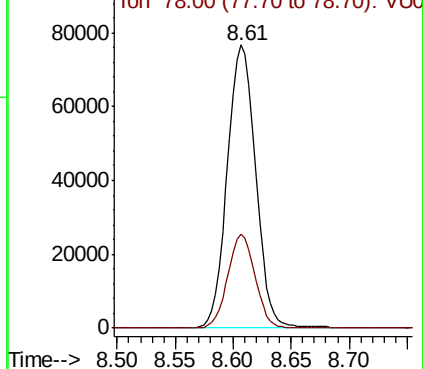
Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.2



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



#54

2-Hexanone

Concen: 37.981 ug/l

RT: 8.72 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

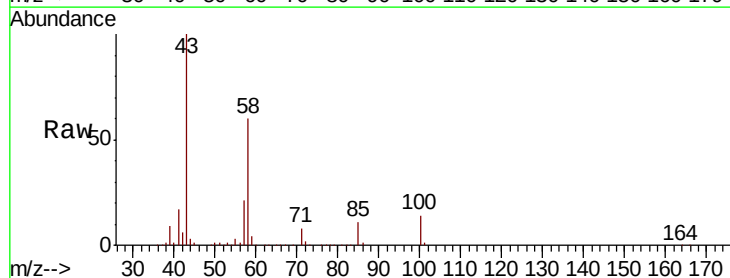
Tgt Ion: 43 Resp: 213884

Ion Ratio Lower Upper

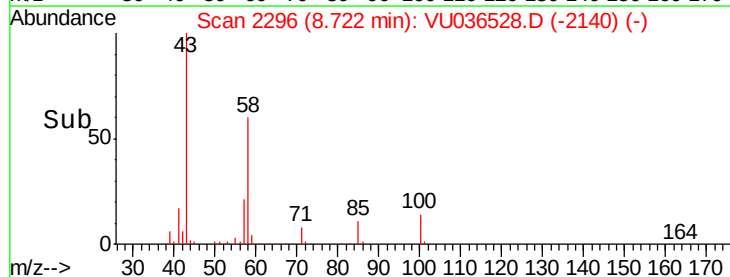
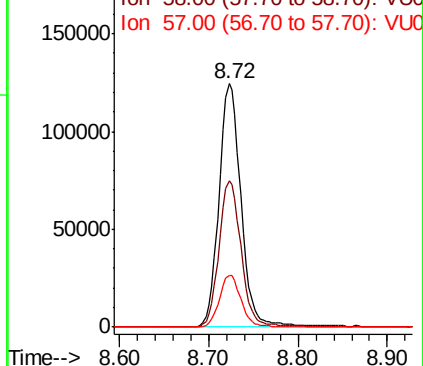
43 100

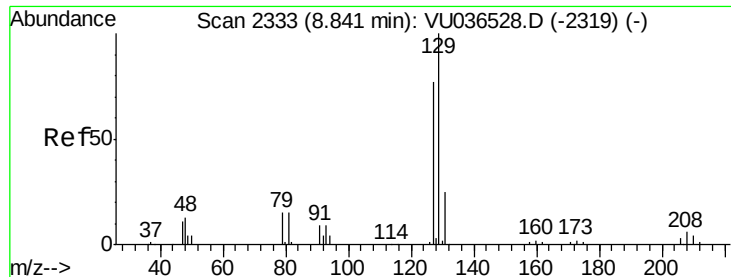
58 60.6 40.6 80.6

57 21.2 1.2 41.2



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

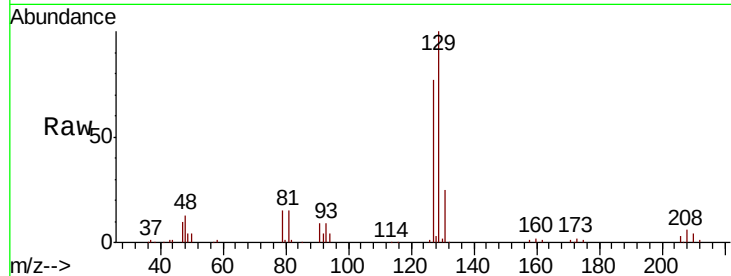




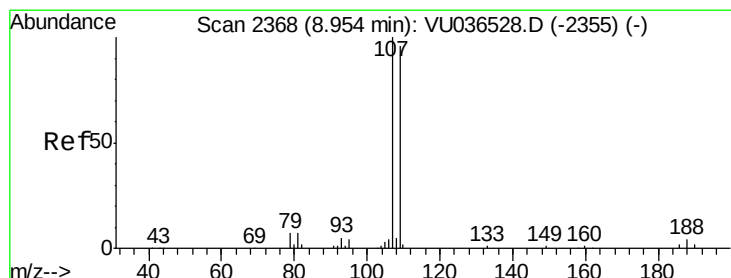
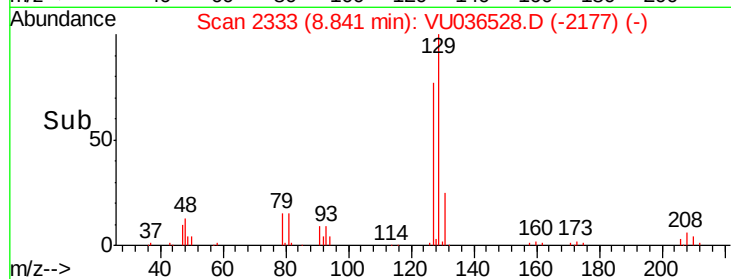
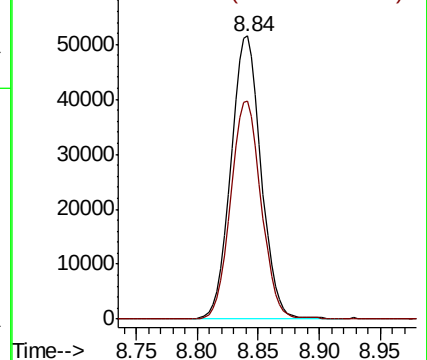
#55
 Dibromochloromethane
 Concen: 9.645 ug/l
 RT: 8.84 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 88590
 Ion Ratio Lower Upper
 129 100
 127 78.3 62.6 94.0

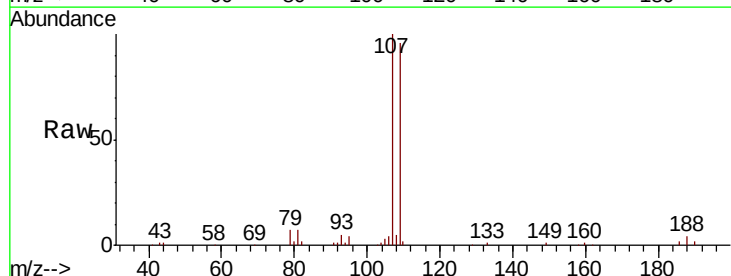


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

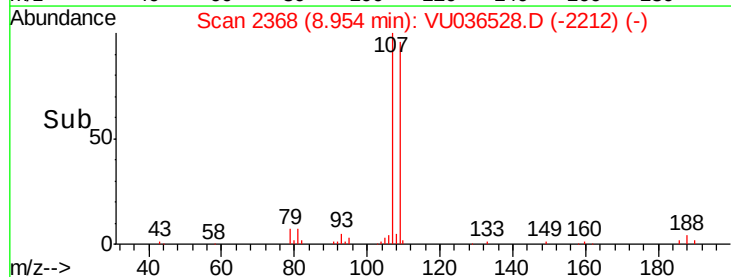
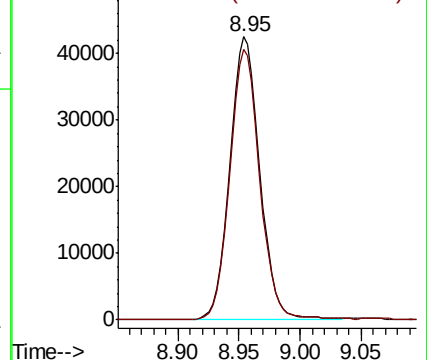


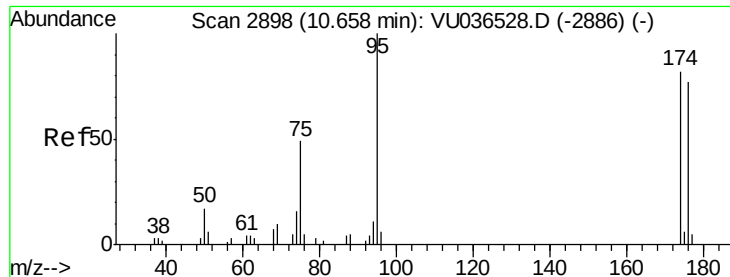
#56
 1,2-Dibromoethane
 Concen: 9.486 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion:107 Resp: 73117
 Ion Ratio Lower Upper
 107 100
 109 95.4 0.0 190.8



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

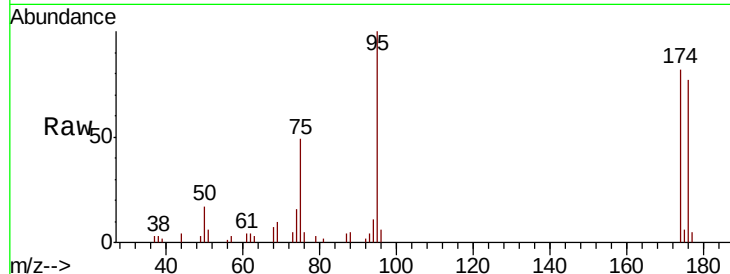




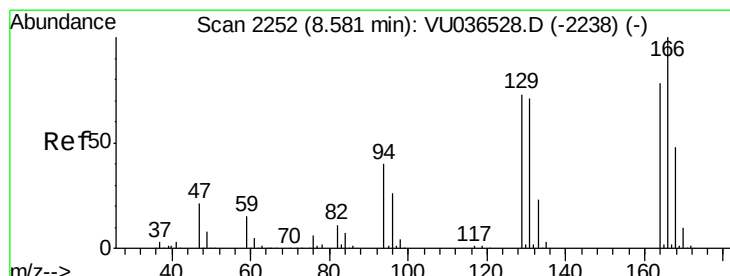
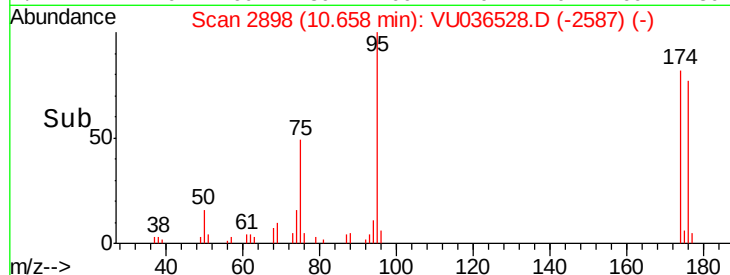
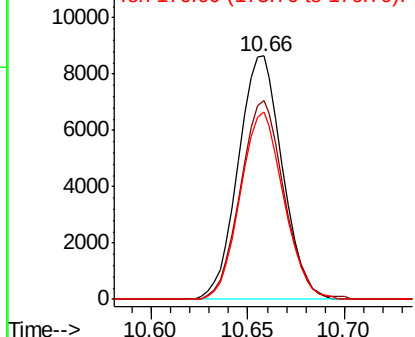
#57
4-Bromofluorobenzene
Concen: 0.936 ug/l
RT: 10.66 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 13720
Ion Ratio Lower Upper
95 100
174 80.9 64.7 97.1
176 75.8 60.6 91.0

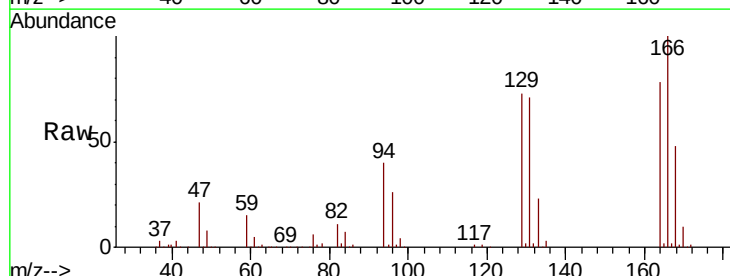


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

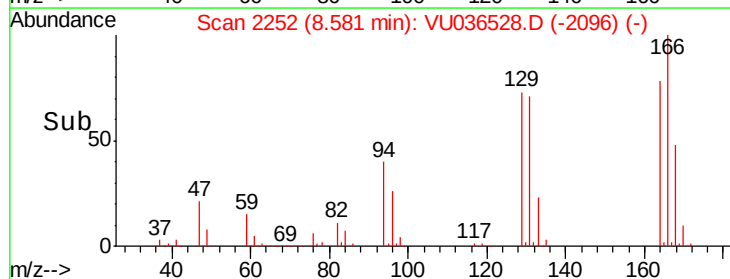
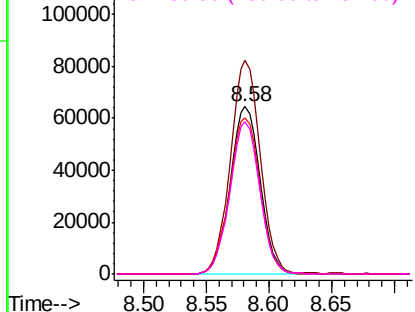


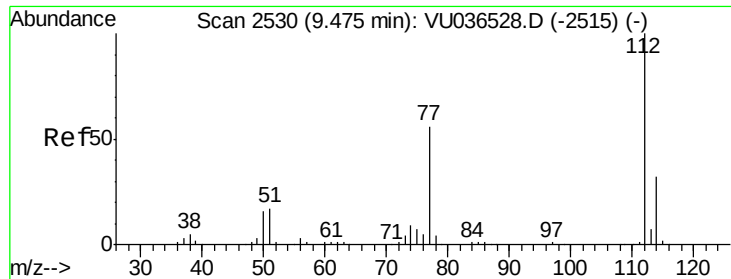
#58
Tetrachloroethene
Concen: 12.229 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 164 Resp: 107561
Ion Ratio Lower Upper
164 100
166 127.5 102.0 153.0
129 93.6 74.9 112.3
131 90.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#59

Chlorobenzene

Concen: 9.948 ug/l

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

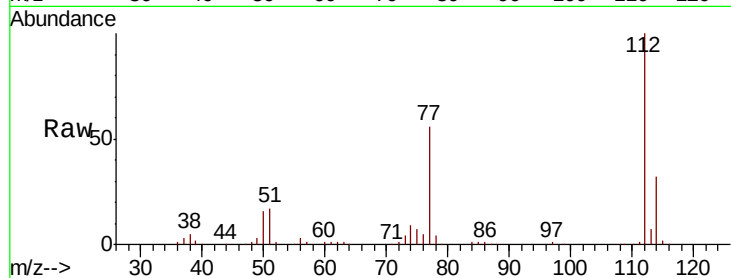
ClientSampleId :

Tot Ion:112 Resp: 285596

Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

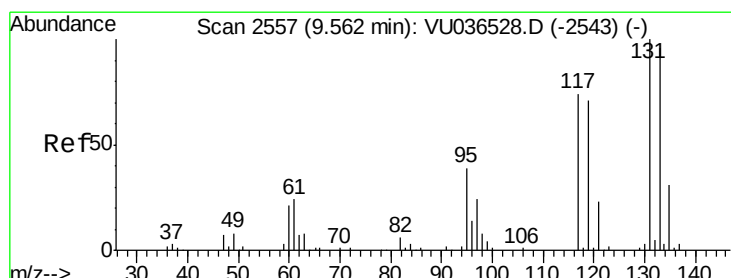
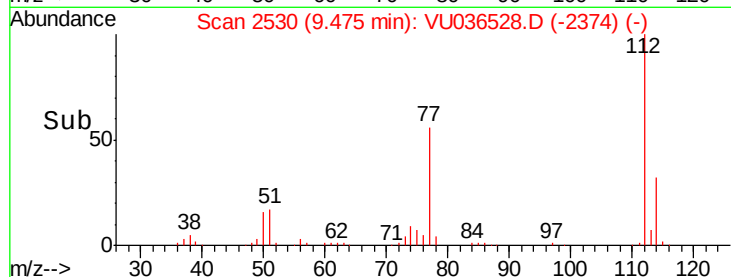
100000

50000

0

9.40 9.45 9.50 9.55

Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 9.616 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

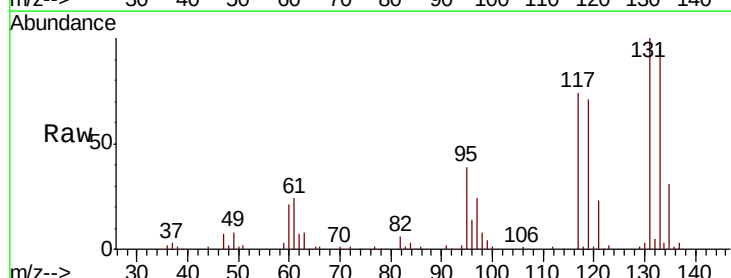
Tgt Ion:131 Resp: 93489

Ion Ratio Lower Upper

131 100

133 95.5 76.4 114.6

119 70.8 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

60000

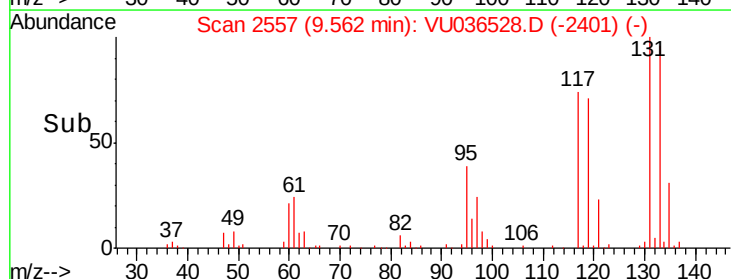
40000

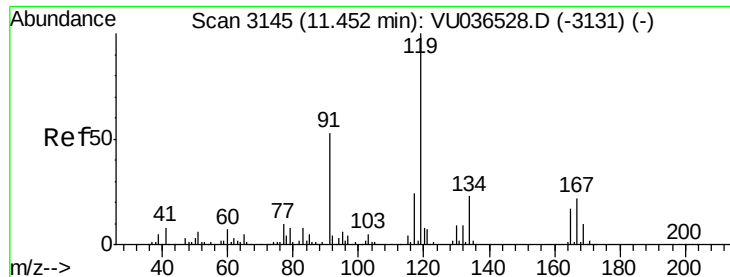
20000

0

9.50 9.55 9.60 9.65

Time-->

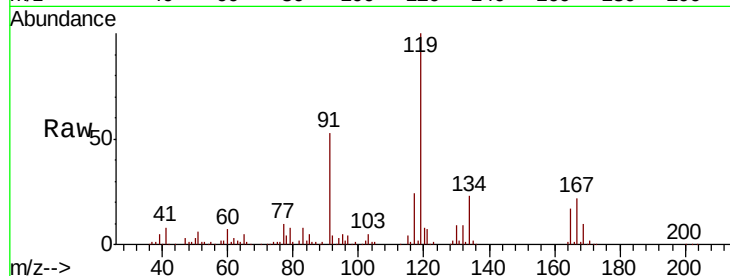




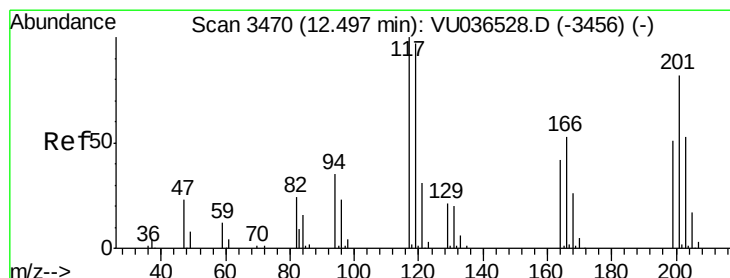
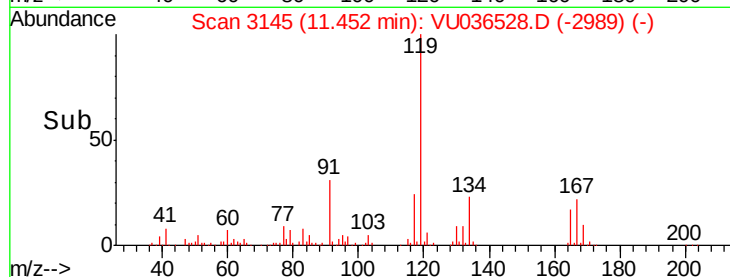
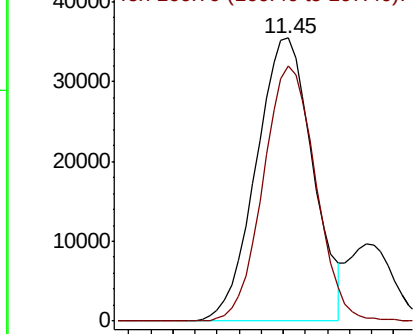
#61
 Pentachloroethane
 Concen: 7.875 ug/l
 RT: 11.45 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:117 Resp: 62984
 Ion Ratio Lower Upper
 117 100
 167 83.4 66.7 100.1

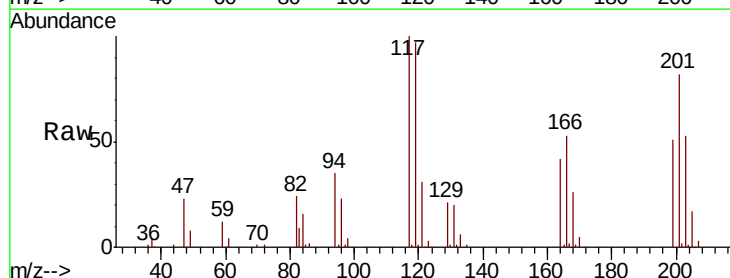


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

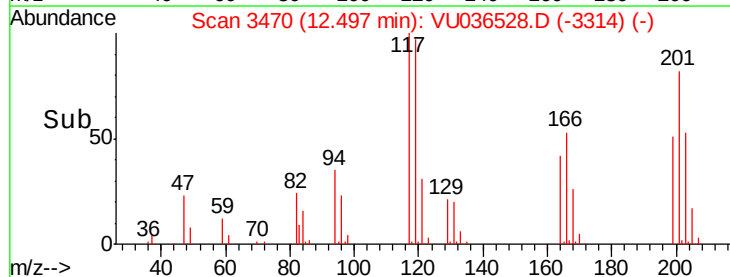
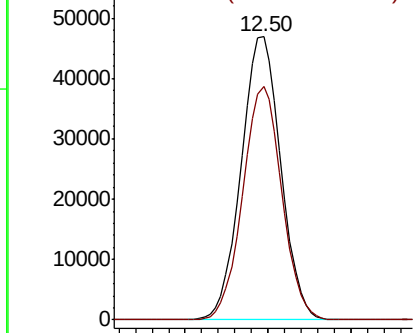


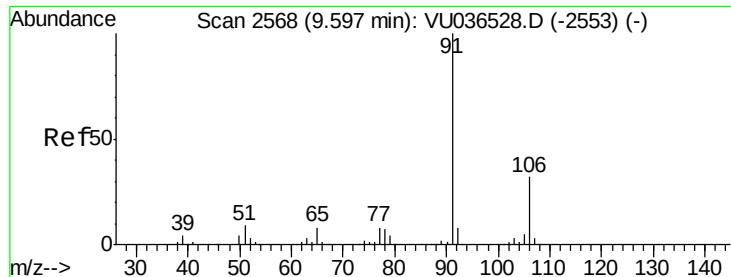
#62
 Hexachloroethane
 Concen: 9.257 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion:117 Resp: 77744
 Ion Ratio Lower Upper
 117 100
 201 81.2 65.0 97.4



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

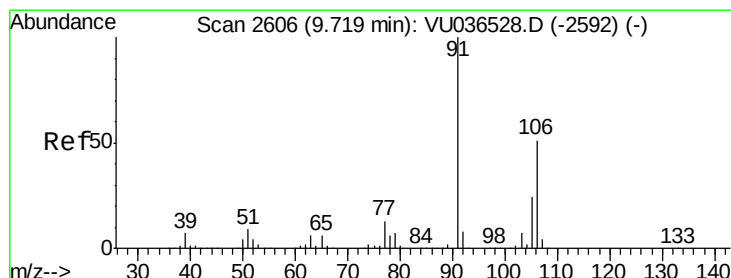
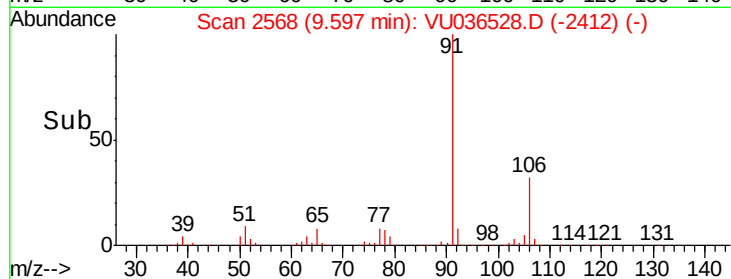
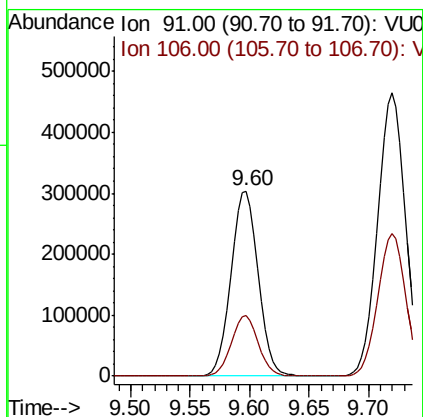
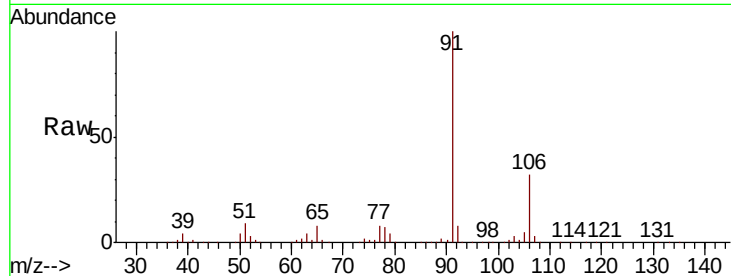




#63
Ethyl Benzene
Concen: 9.245 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

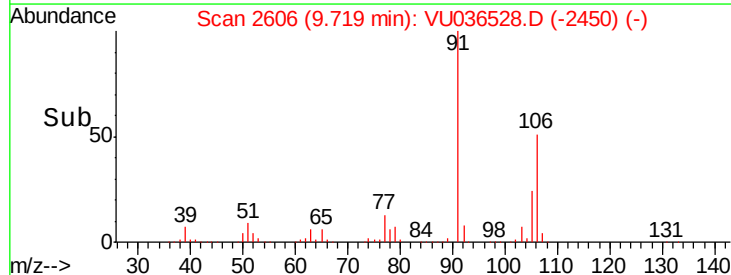
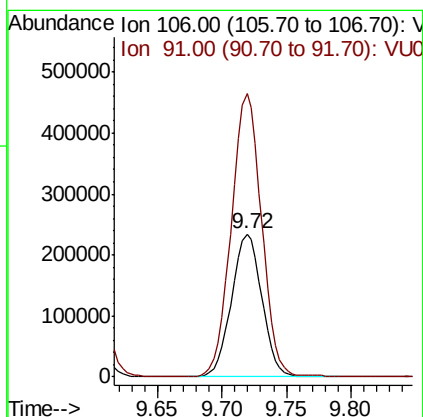
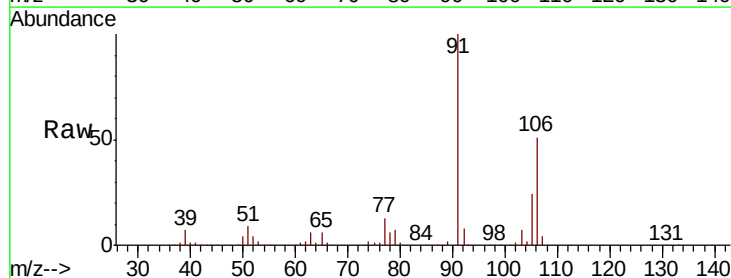
Instrument :
MSVOA_U
ClientSampleId :

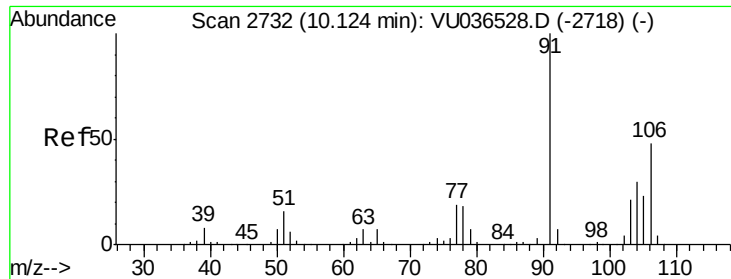
Tot Ion: 91 Resp: 482685
Ion Ratio Lower Upper
91 100
106 32.5 26.0 39.0



#64
m/p-Xylenes
Concen: 19.749 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion: 106 Resp: 381259
Ion Ratio Lower Upper
106 100
91 197.8 158.2 237.4

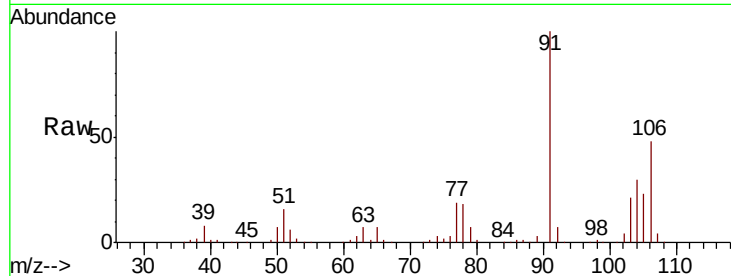




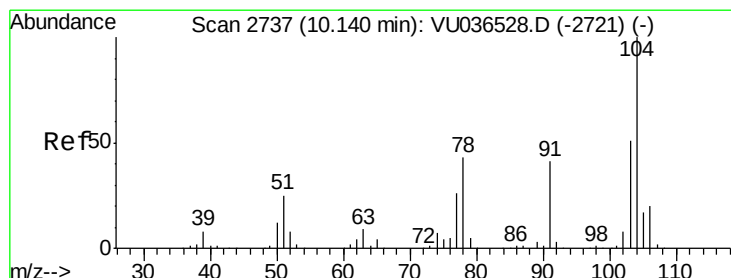
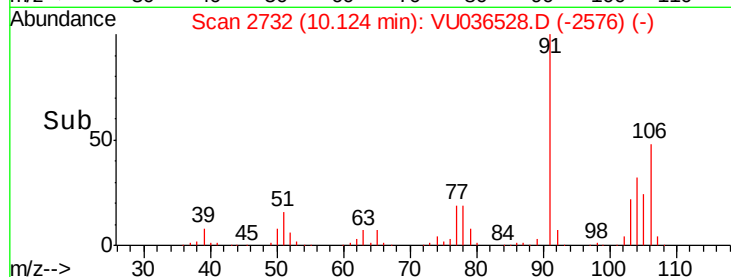
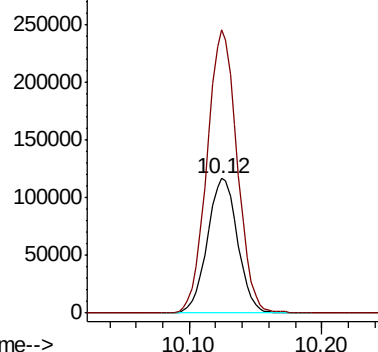
#65
o-Xylene
Concen: 9.842 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 185459
Ion Ratio Lower Upper
106 100
91 208.6 104.3 312.9

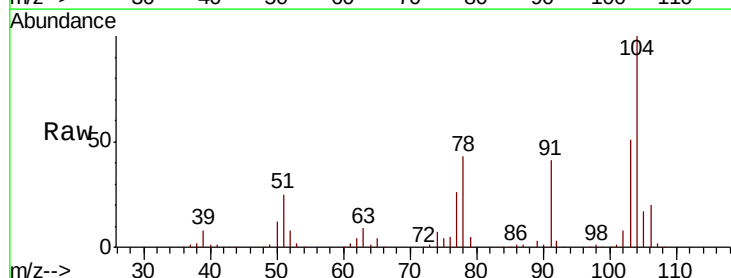


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

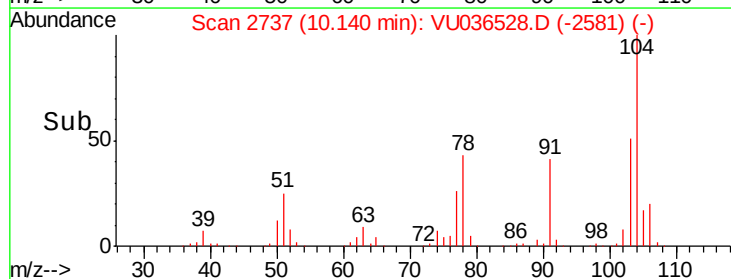
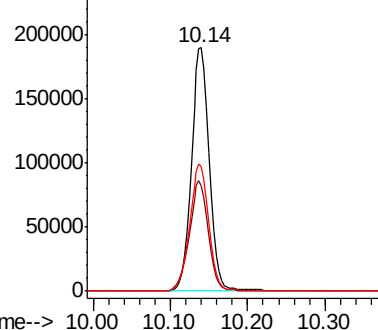


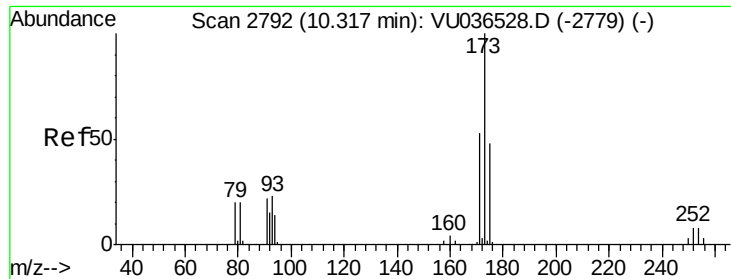
#66
Styrene
Concen: 10.017 ug/l
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion:104 Resp: 311499
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 55.5 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

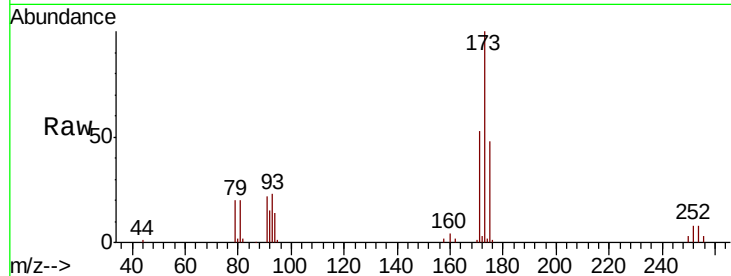




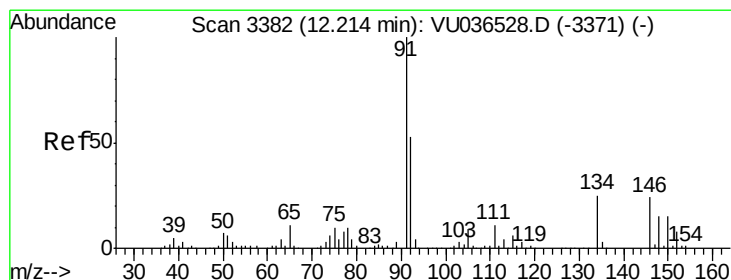
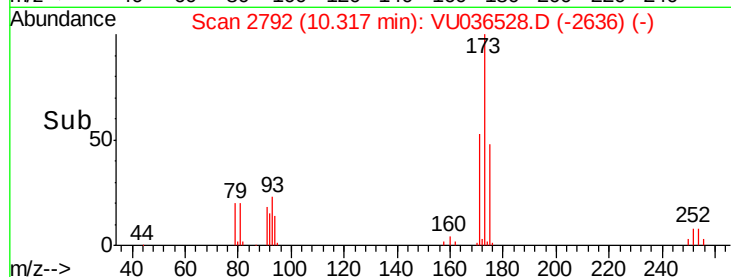
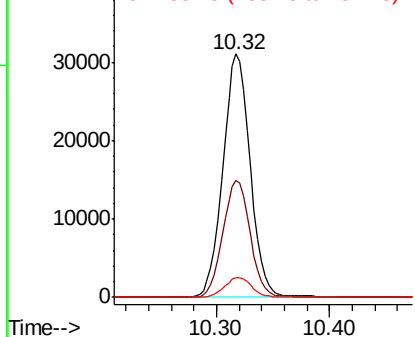
#67
Bromoform
Concen: 11.443 ug/l
RT: 10.32 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 52035
Ion Ratio Lower Upper
173 100
175 47.9 38.3 57.5
254 8.2 6.6 9.8

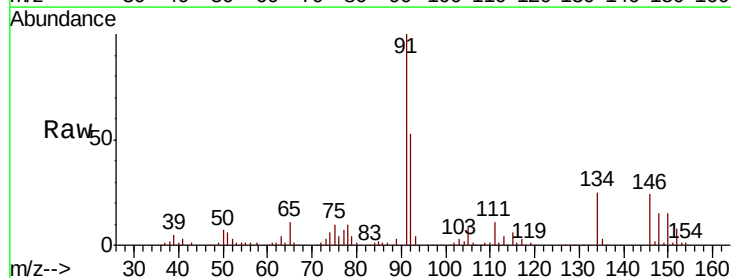


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

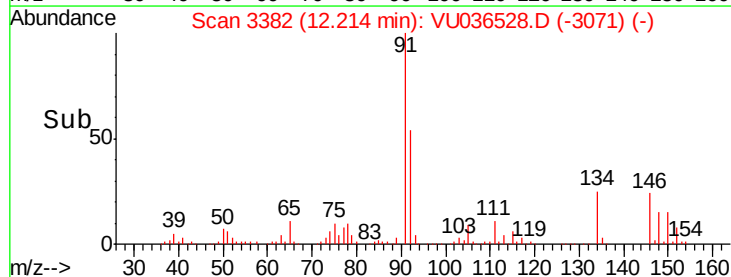
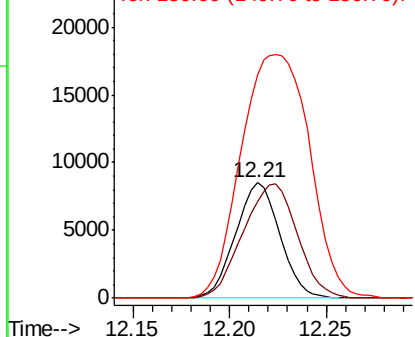


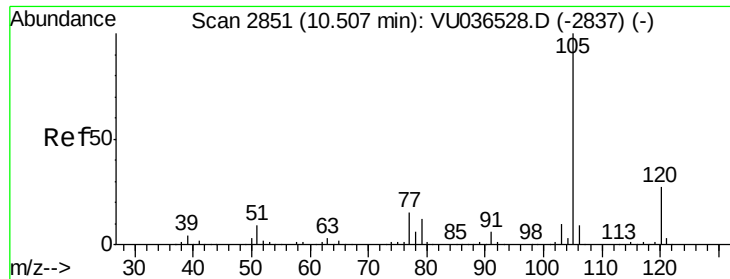
#68
1,2-Dichlorobenzene-d4
Concen: 1.058 ug/l
RT: 12.21 min Scan# 3382
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion:152 Resp: 13589
Ion Ratio Lower Upper
152 100
115 120.9 0.0 241.8
150 326.2 0.0 652.4



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





#69

Isopropylbenzene

Concen: 9.594 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

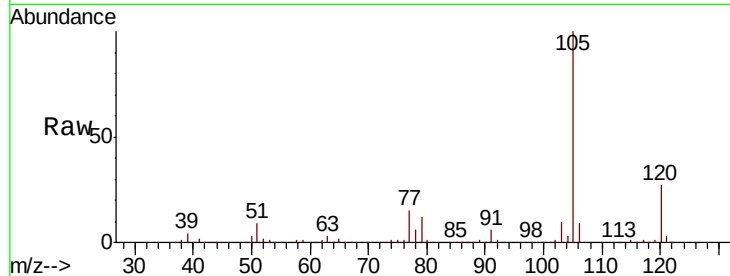
ClientSampleId :

Tot Ion:105 Resp: 485940

Ion Ratio Lower Upper

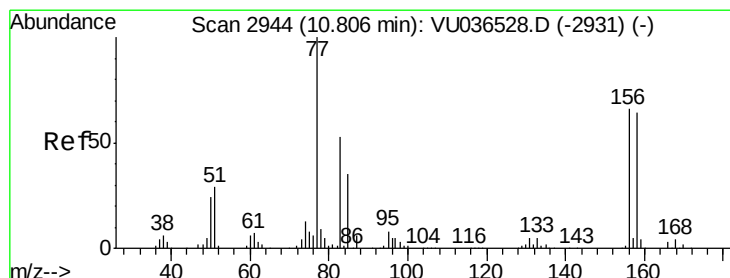
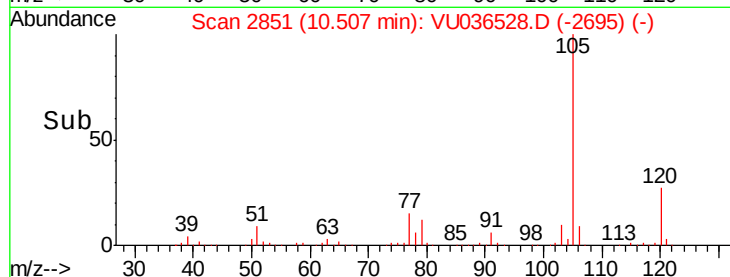
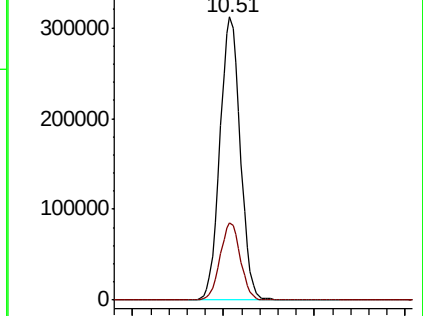
105 100

120 27.1 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: 9.046 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

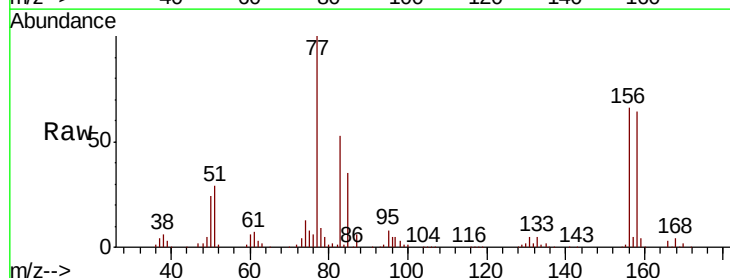
Tgt Ion: 83 Resp: 95572

Ion Ratio Lower Upper

83 100

131 9.8 7.8 11.8

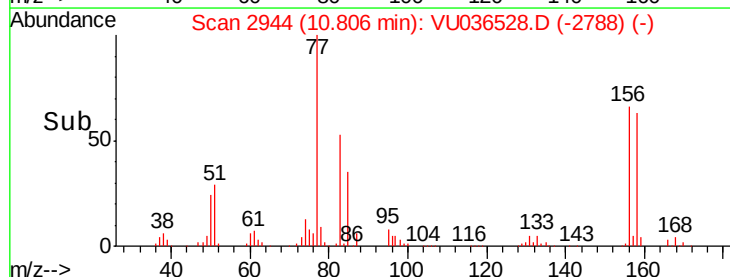
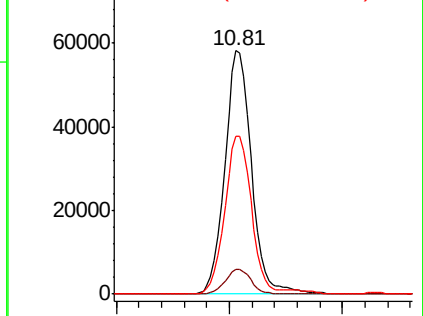
85 66.5 53.2 79.8

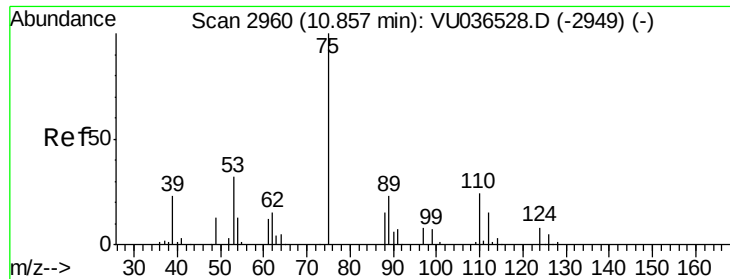


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

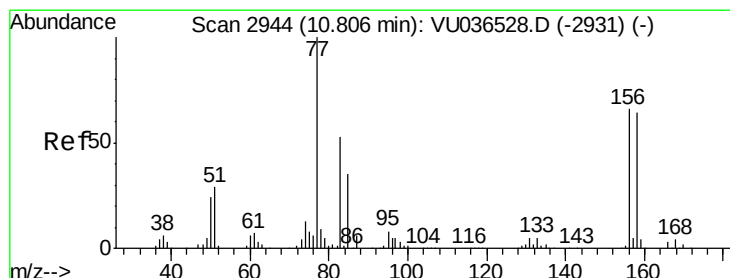
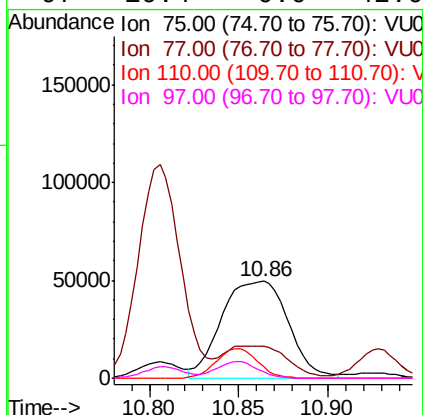
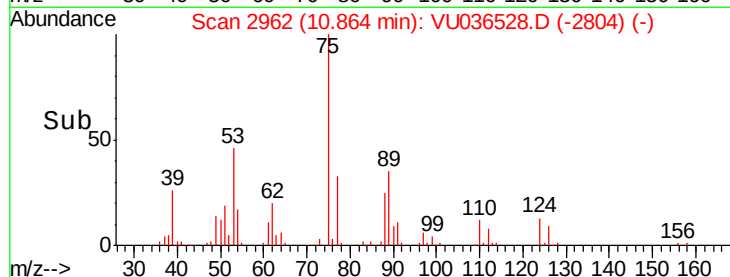
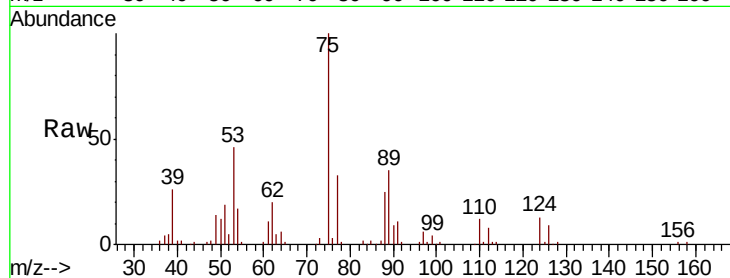




#71
1,2,3-Trichloropropane
Concen: 16.013 ug/l
RT: 10.86 min Scan# 2962
Delta R.T. 0.01 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

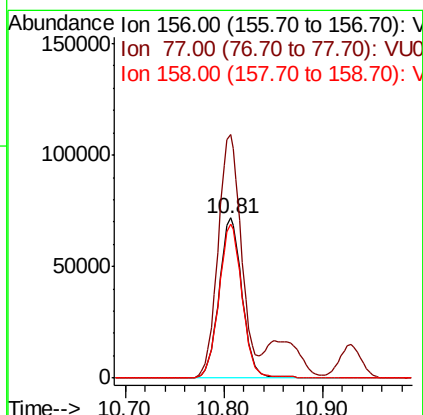
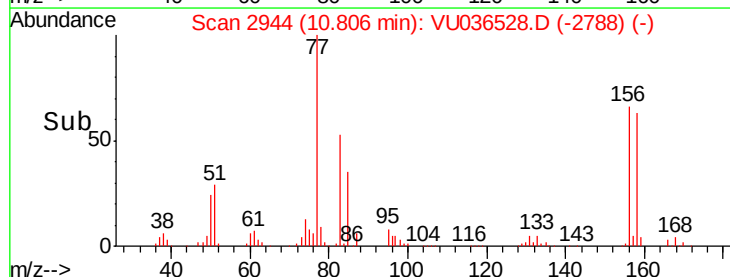
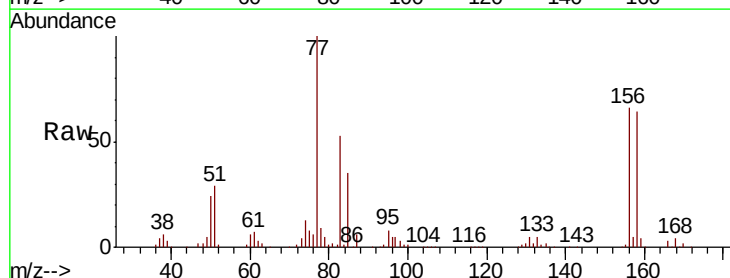
Instrument :
MSVOA_U
ClientSampleId :

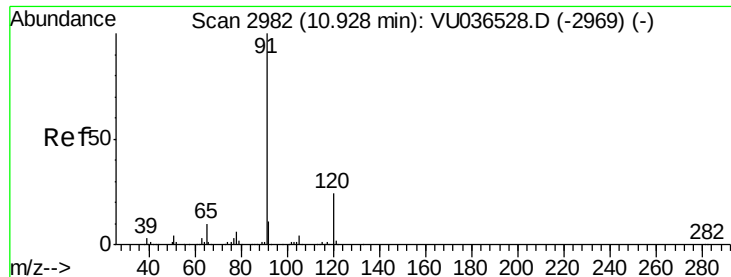
Tot Ion:	75	Resp:	129055
Ion	Ratio	Lower	Upper
75	100		
77	32.1	0.0	129.6
110	19.2	0.0	77.4
97	10.4	0.0	42.0



#72
Bromobenzene
Concen: 10.995 ug/l
RT: 10.81 min Scan# 2944
Delta R.T. 0.00 min
Lab File: VU036528.D
Acq: 22 Jan 2020 16:13

Tgt Ion:	156	Resp:	117881
Ion	Ratio	Lower	Upper
156	100		
77	153.3	0.0	306.6
158	96.0	0.0	192.0





#73

n-propylbenzene

Concen: 10.352 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

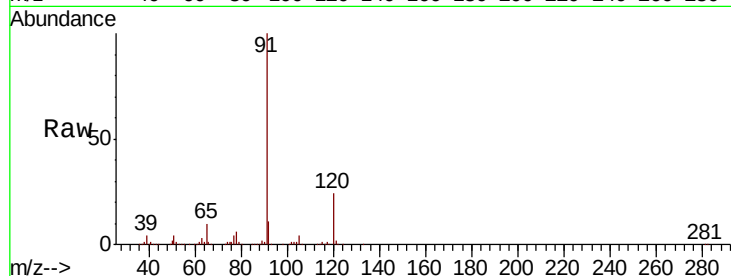
ClientSampleId :

Tot Ion:120 Resp: 140613

Ion Ratio Lower Upper

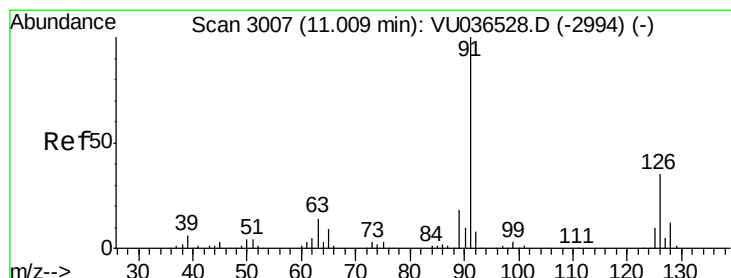
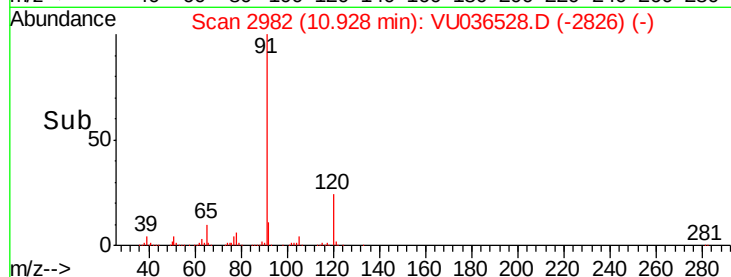
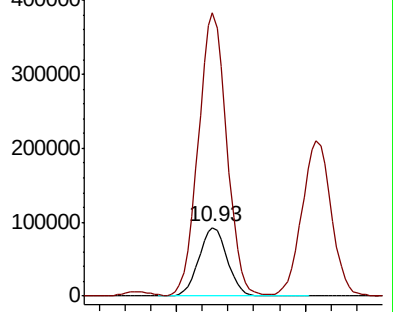
120 100

91 411.9 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 9.944 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU036528.D

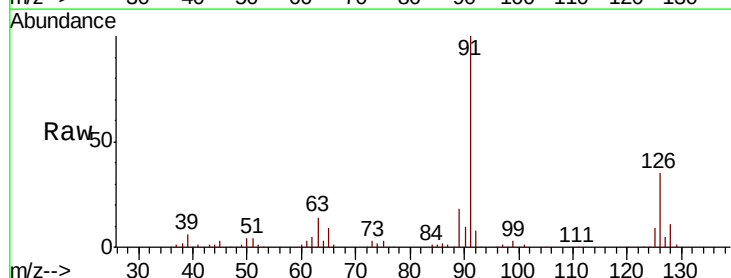
Acq: 22 Jan 2020 16:13

Tgt Ion:126 Resp: 115825

Ion Ratio Lower Upper

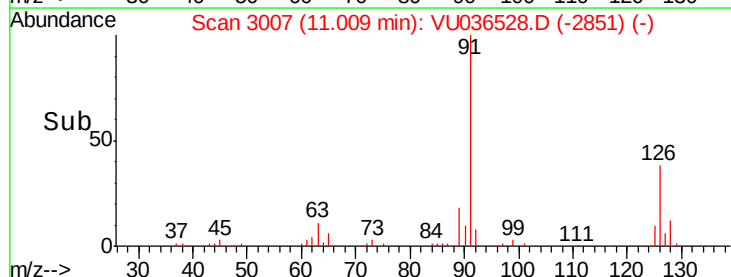
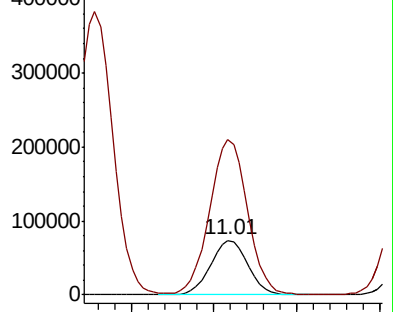
126 100

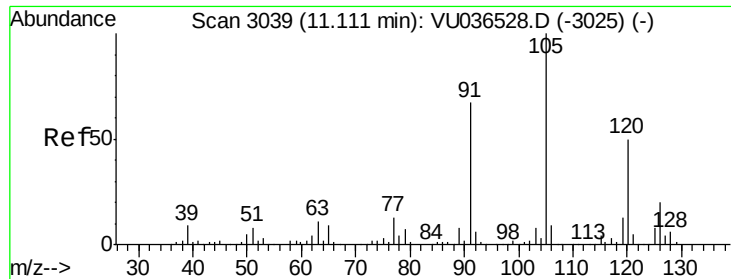
91 283.7 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 9.607 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

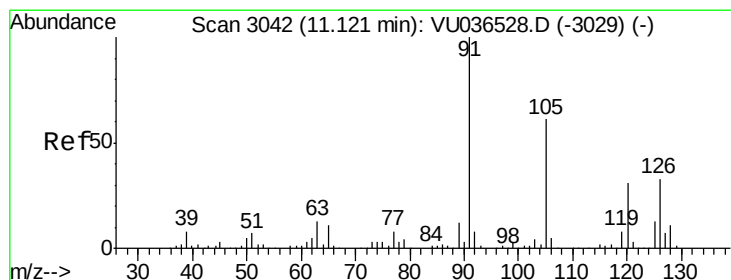
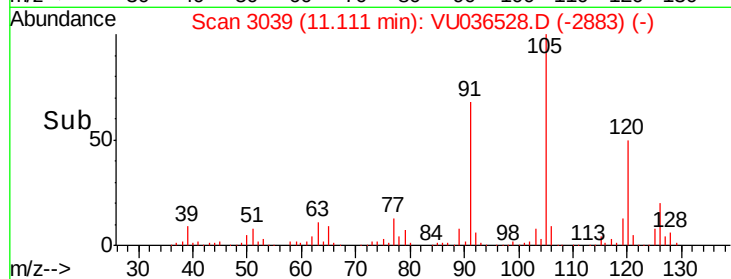
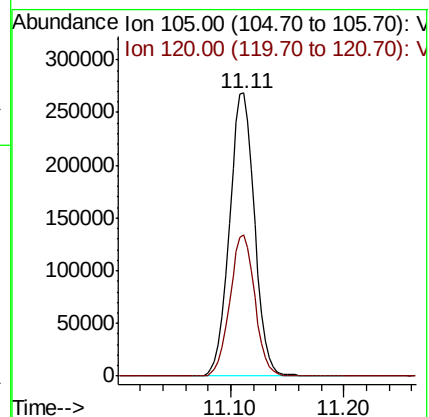
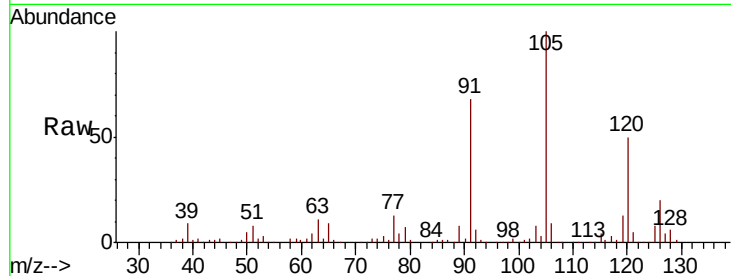
ClientSampled :

Tot Ion:105 Resp: 412976

Ion Ratio Lower Upper

105 100

120 49.8 39.8 59.8



#76

4-Chlorotoluene

Concen: 10.163 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. 0.00 min

Lab File: VU036528.D

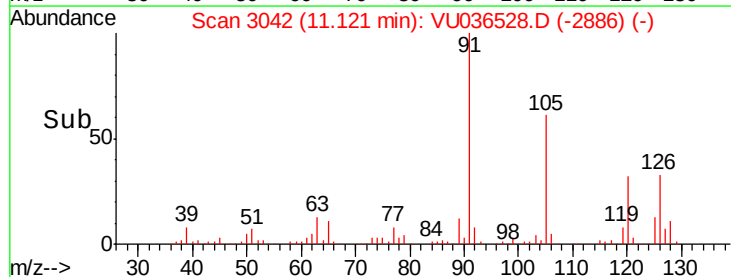
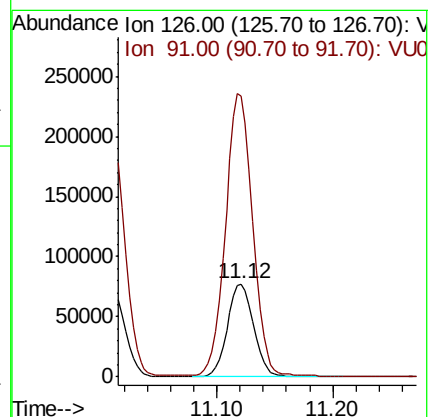
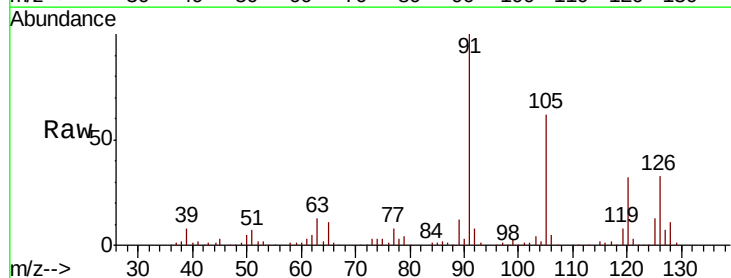
Acq: 22 Jan 2020 16:13

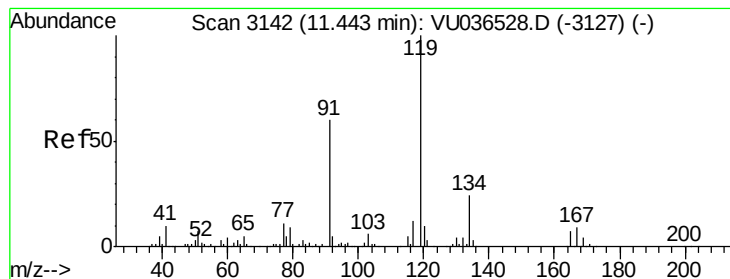
Tgt Ion:126 Resp: 121916

Ion Ratio Lower Upper

126 100

91 316.5 0.0 633.0





#77

tert-Butylbenzene

Concen: 9.499 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. 0.00 min

Lab File: VU036528.D

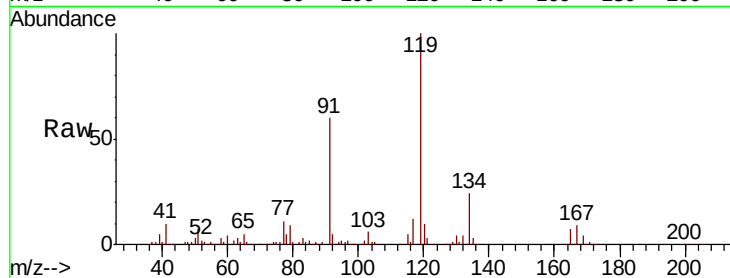
Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

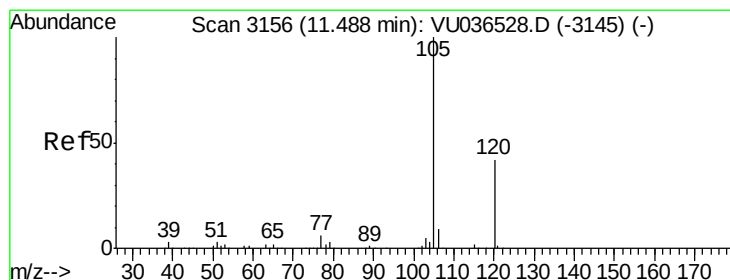
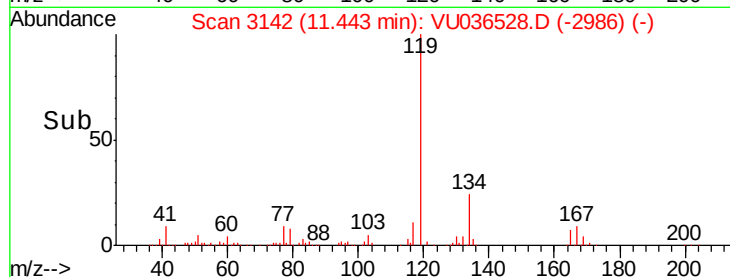
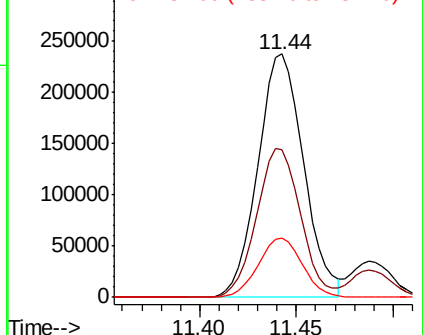
Tot Ion:119	Resp:	391187
Ion Ratio	Lower	Upper
119	100	
91	58.5	29.3 87.8
134	23.7	19.0 28.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 9.536 ug/l

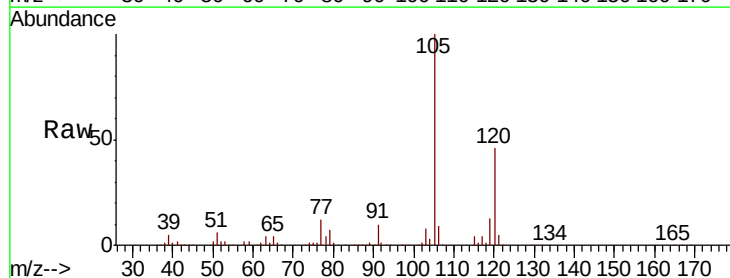
RT: 11.49 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU036528.D

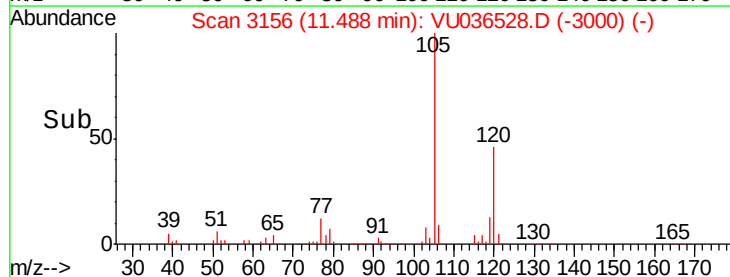
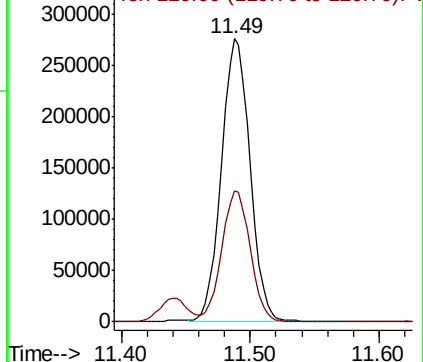
Acq: 22 Jan 2020 16:13

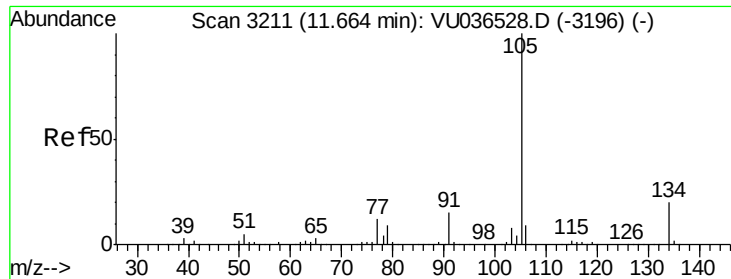
Tgt Ion:105	Resp:	424596
Ion Ratio	Lower	Upper
105	100	
120	46.5	23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

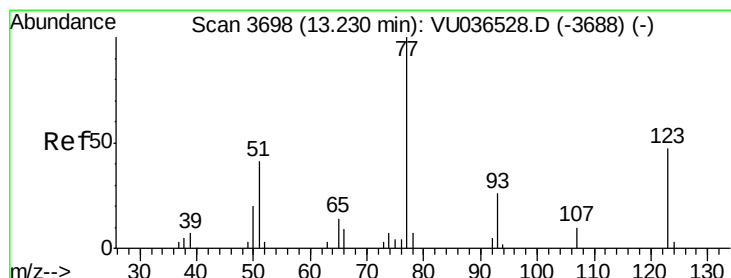
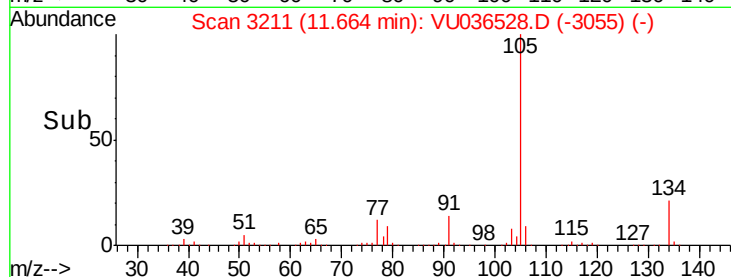
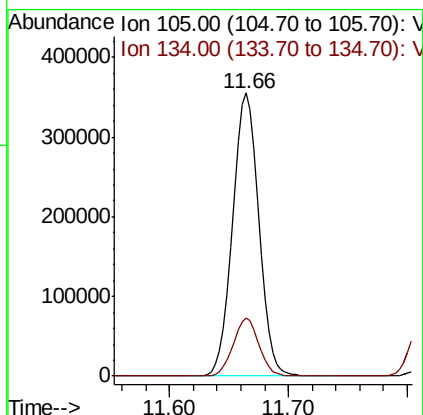
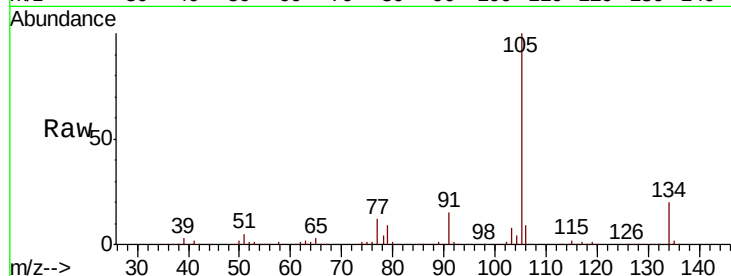




#79
 sec-Butylbenzene
 Concen: 9.484 ug/l
 RT: 11.66 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

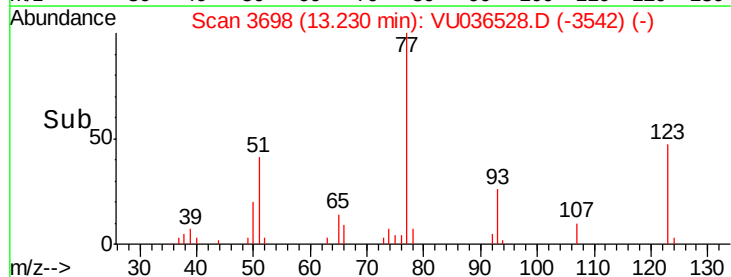
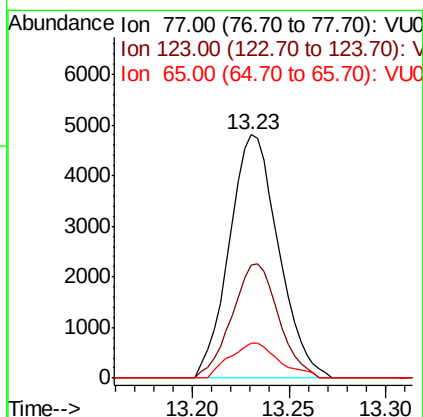
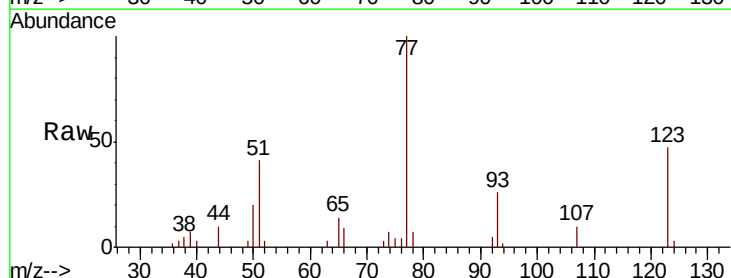
Instrument :
 MSVOA_U
 ClientSampleId :

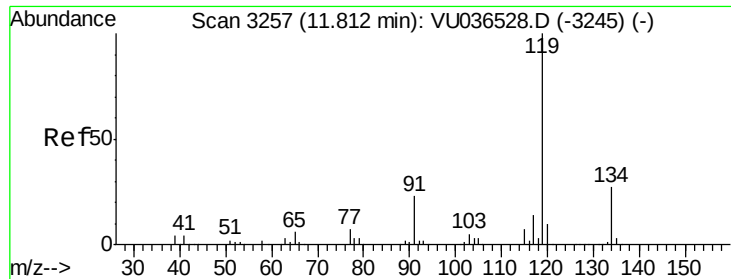
Tot Ion:105 Resp: 542049
 Ion Ratio Lower Upper
 105 100
 134 20.0 16.0 24.0



#80
 Nitrobenzene
 Concen: 45.816 ug/l
 RT: 13.23 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 77 Resp: 8489
 Ion Ratio Lower Upper
 77 100
 123 44.6 19.6 69.6
 65 14.4 12.7 16.1





#81

p-Isopropyltoluene

Concen: 9.998 ug/l

RT: 11.81 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

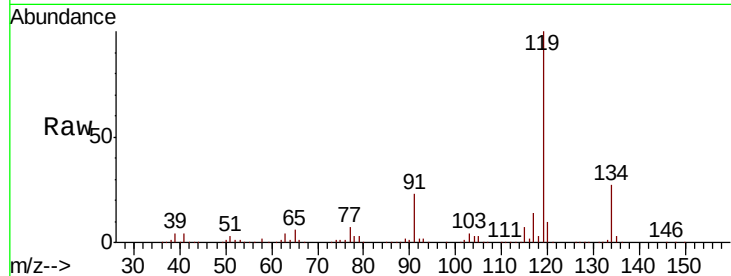
Tot Ion:119 Resp: 455727

Ion Ratio Lower Upper

119 100

134 26.7 21.4 32.0

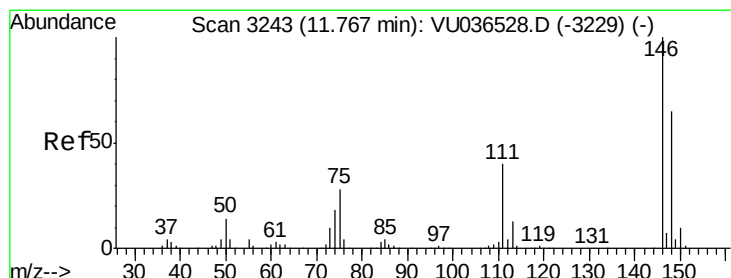
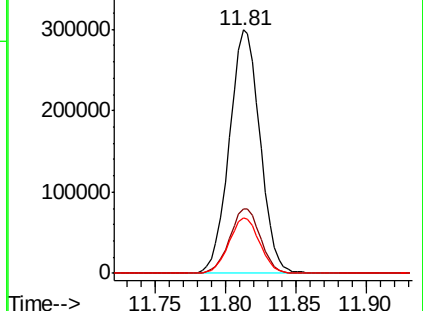
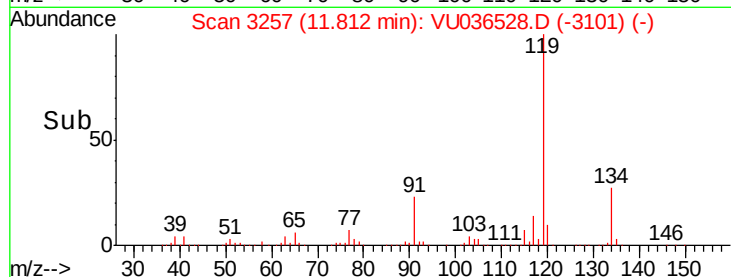
91 22.9 18.3 27.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82

1,3-Dichlorobenzene

Concen: 10.367 ug/l

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

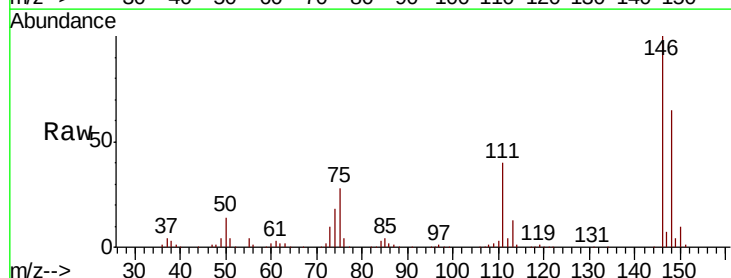
Tgt Ion:146 Resp: 232899

Ion Ratio Lower Upper

146 100

111 40.2 32.2 48.2

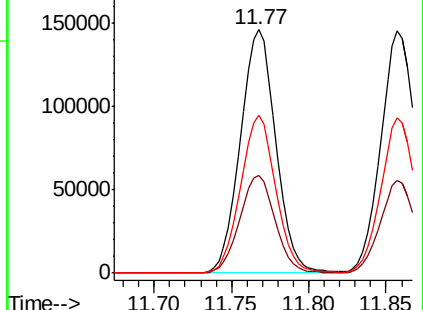
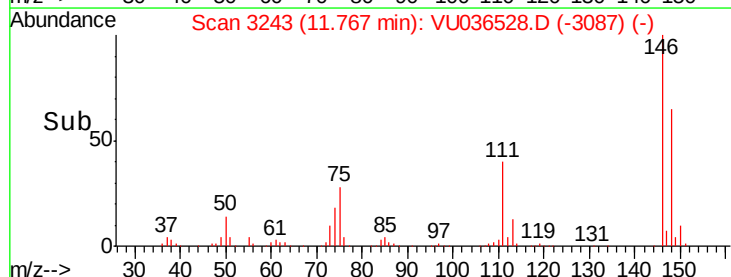
148 64.3 51.4 77.2

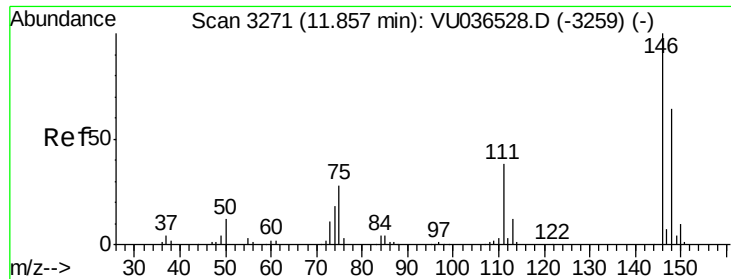


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

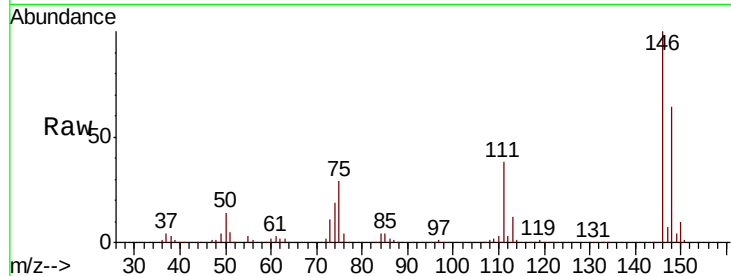




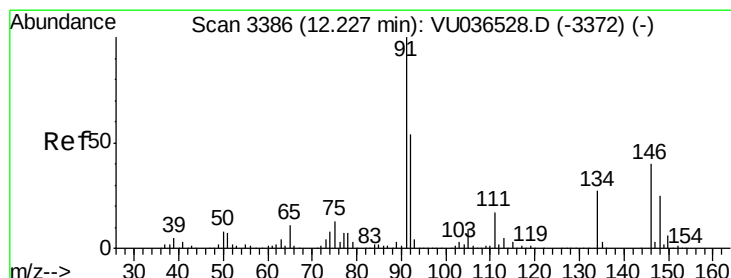
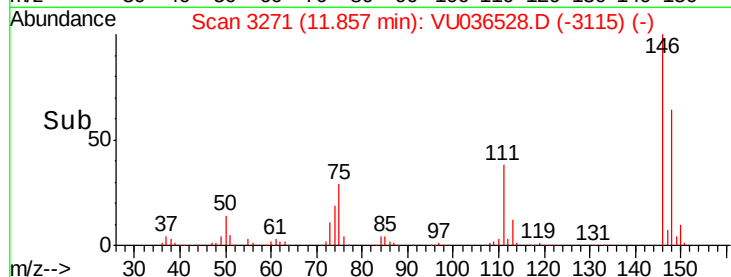
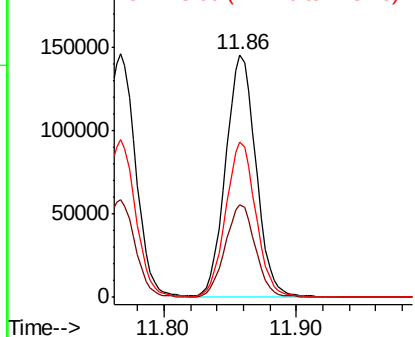
#83
 1,4-Dichlorobenzene
 Concen: 10.407 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 231513
 Ion Ratio Lower Upper
 146 100
 111 38.1 30.5 45.7
 148 63.7 51.0 76.4

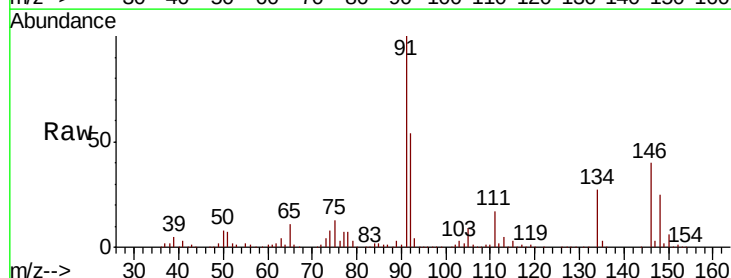


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

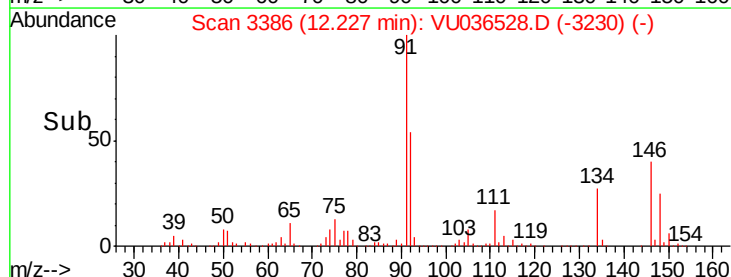
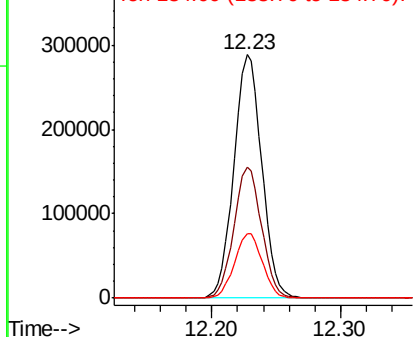


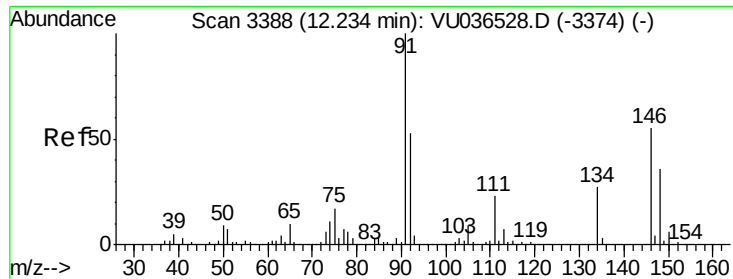
#84
 n-Butylbenzene
 Concen: 9.008 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 91 Resp: 432124
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.9 64.3
 134 26.7 21.4 32.0



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

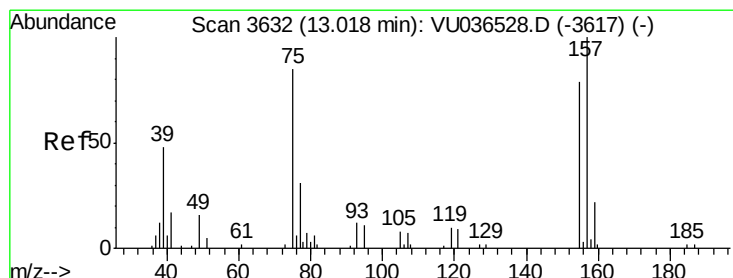
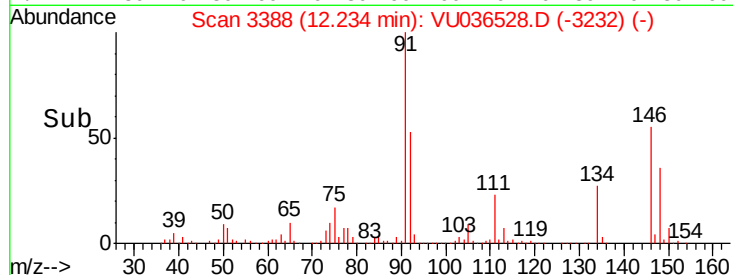
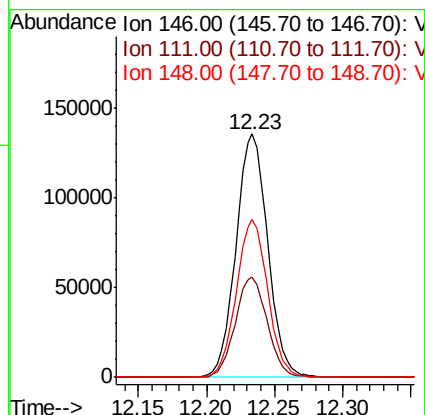
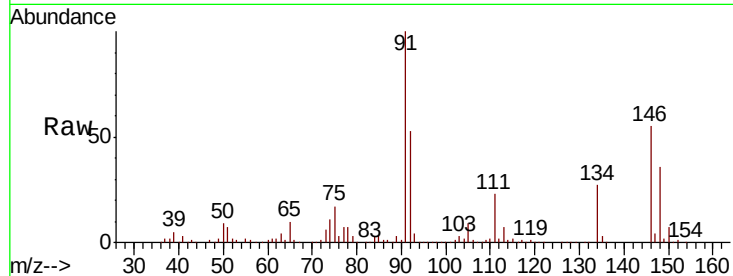




#85
 1,2-Dichlorobenzene
 Concen: 10.283 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

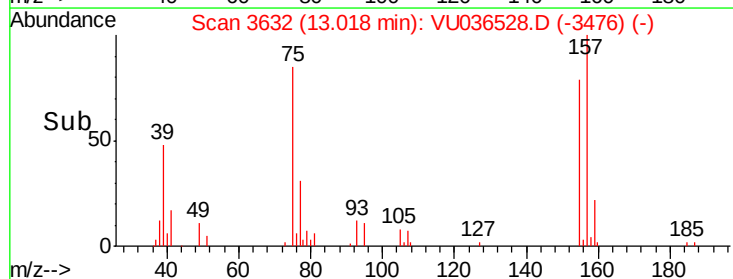
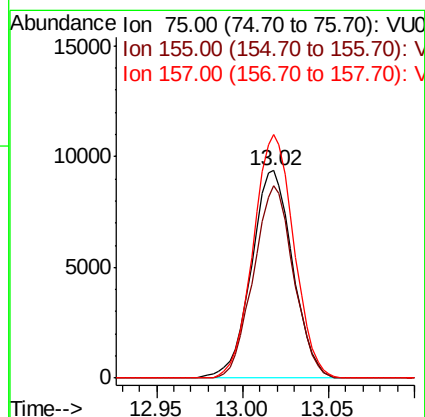
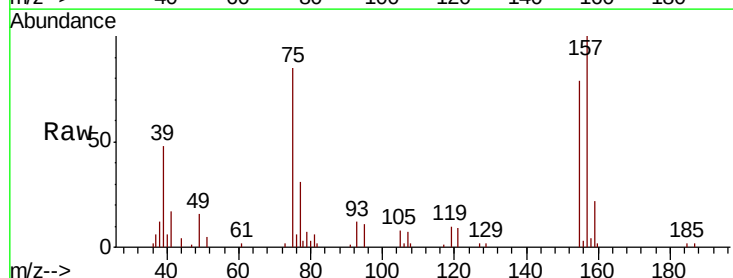
Instrument :
 MSVOA_U
 ClientSampleId :

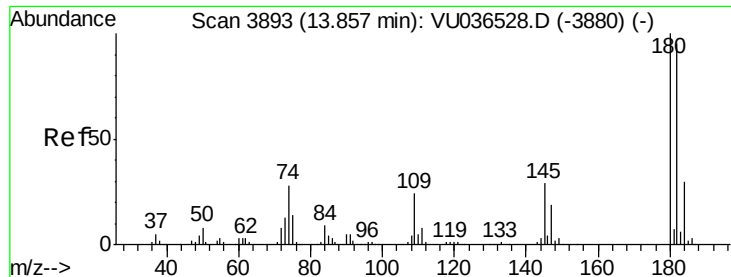
Tot Ion:146 Resp: 218580
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.4
 148 64.1 32.0 96.2



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 8.113 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion: 75 Resp: 15577
 Ion Ratio Lower Upper
 75 100
 155 89.8 71.8 107.8
 157 115.5 92.4 138.6

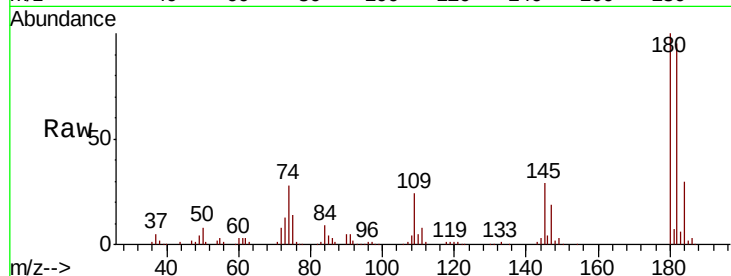




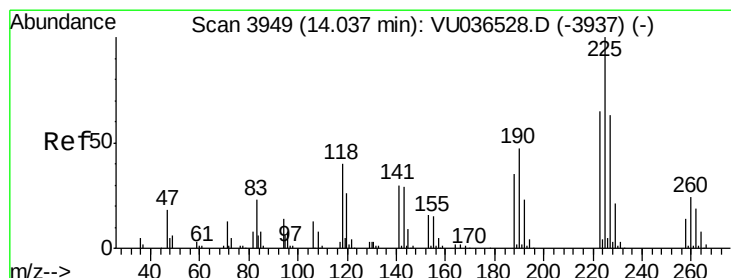
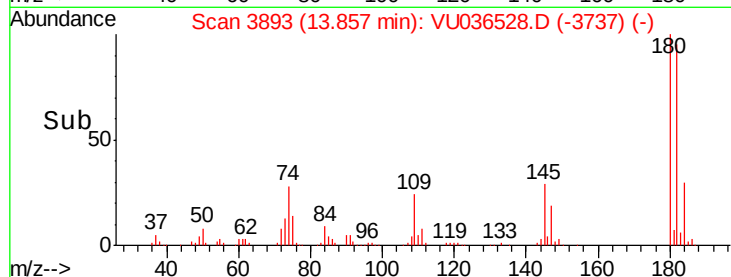
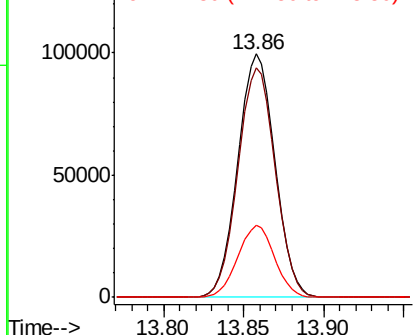
#87
 1,2,4-Trichlorobenzene
 Concen: 11.644 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 157160
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 145 29.3 23.4 35.2

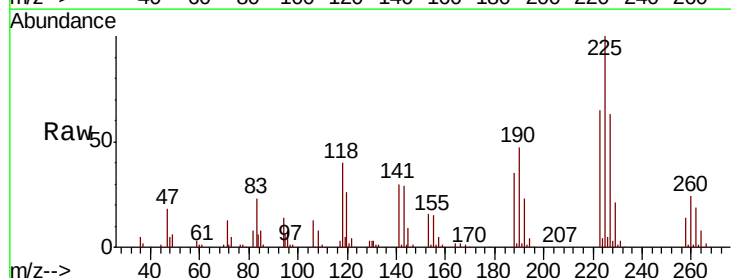


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

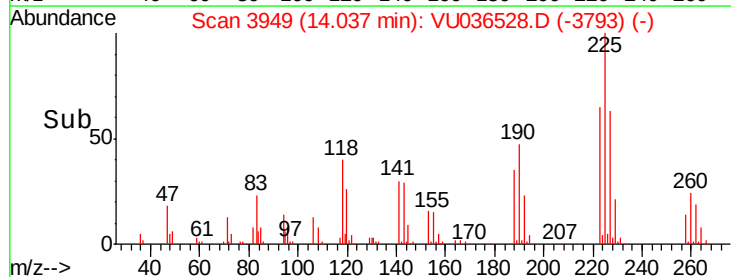
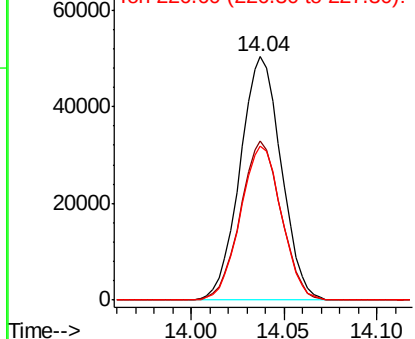


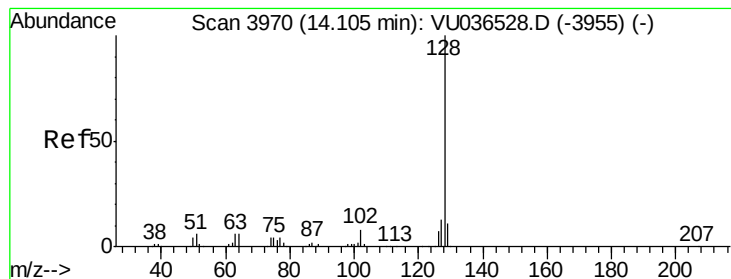
#88
 Hexachlorobutadiene
 Concen: 12.245 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VU036528.D
 Acq: 22 Jan 2020 16:13

Tgt Ion:225 Resp: 77596
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.7 77.5
 227 63.2 50.6 75.8



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





#89

Naphthalene

Concen: 10.581 ug/l

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

Instrument :

MSVOA_U

ClientSampleId :

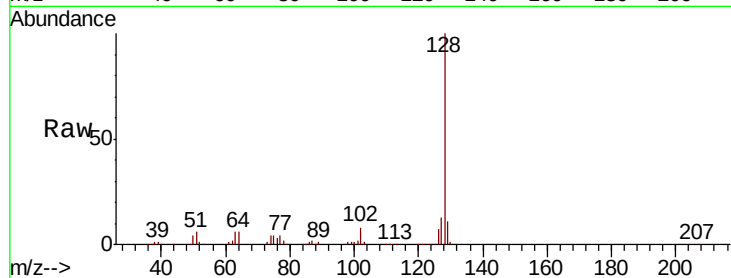
Tot Ion:128 Resp: 283329

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

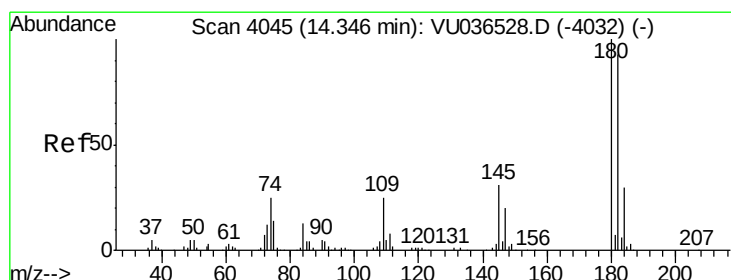
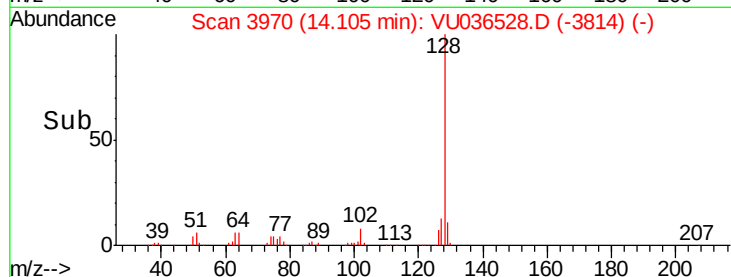
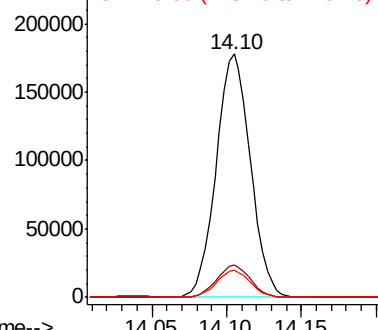
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 11.509 ug/l

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036528.D

Acq: 22 Jan 2020 16:13

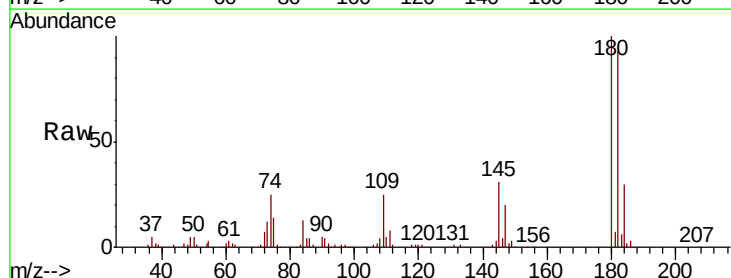
Tgt Ion:180 Resp: 142679

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 31.5 25.2 37.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

