

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036526.D
 Acq On : 22 Jan 2020 15:19
 Operator : JC/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 22 22:12:05 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	34952	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	13575	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13538	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	22031	2.203	ug/l 99
3) Chloromethane	1.54	50	24131	1.865	ug/l 97
4) Vinyl Chloride	1.62	62	26814	1.805	ug/l 98
5) Bromomethane	1.88	94	17183	2.178	ug/l 99
6) Chloroethane	1.95	64	16409	1.892	ug/l 99
7) Trichlorofluoromethane	2.16	101	26449	1.533	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16587	1.837	ug/l 99
9) 1,1-Dichloroethene	2.61	96	17439	1.893	ug/l 99
10) Iodomethane	2.75	142	16668	1.511	ug/l 100
11) Allyl Chloride	2.95	41	23963	1.327	ug/l 96
12) Acrylonitrile	3.37	53	8225	3.182	ug/l 96
13) Acetone	2.68	43	16188	5.223	ug/l 98
14) Carbon Disulfide	2.82	76	59648	1.734	ug/l 99
15) Methylene Chloride	3.08	84	23480	1.935	ug/l 96
16) trans-1,2-Dichloroethene	3.38	96	19415	1.884	ug/l 100
17) 1,1-Dichloroethane	3.91	63	32023	1.739	ug/l 99
18) 2-Butanone	4.78	43	23456	7.028	ug/l 97
19) Cyclohexane	5.42	56	26543	1.483	ug/l 94
20) Methylcyclohexane	6.79	83	31738	1.788	ug/l 99
21) 2,2-Dichloropropane	4.71	77	26062	1.565	ug/l 99
22) cis-1,2-Dichloroethene	4.71	96	20384	1.953	ug/l 97
23) Diethyl Ether	2.41	59	13555	1.688	ug/l 99
24) tert-Butyl Alcohol	3.29	59	11828	14.232	ug/l # 93
25) Methyl tert-Butyl Ether	3.42	73	46730	1.658	ug/l 99
26) Bromochloromethane	5.02	128	8910	2.130	ug/l 97
27) Chloroform	5.13	83	31016	1.692	ug/l 95
28) 1,1,1-Trichloroethane	5.36	97	26094	1.608	ug/l 99
29) 1,1-Dichloropropene	5.56	75	25143	1.695	ug/l 99
30) Carbon Tetrachloride	5.56	117	22208	1.627	ug/l 94
31) Isopropyl Ether	4.06	45	47436	1.531	ug/l 97
32) Ethyl-t-butyl ether	4.57	59	49882	1.646	ug/l 100
33) Tert-Amyl methyl ether	5.99	73	45384	1.648	ug/l 100
34) Propionitrile	4.85	54	7512	9.022	ug/l # 94
35) Benzene	5.81	78	73888	1.782	ug/l 100
36) 1,2-Dichloroethane	5.84	62	19634	1.478	ug/l 98
37) Trichloroethene	6.58	130	20666	2.052	ug/l 98
38) 1,2-Dichloropropane	6.83	63	18893	1.735	ug/l 95
39) Methacrylonitrile	5.03	41	5559	1.409	ug/l 97
40) Methyl acrylate	4.91	55	9226	1.576	ug/l 98
41) Tetrahydrofuran	5.13	42	6088	2.976	ug/l 99
42) 1-Chlorobutane	5.50	56	32243	1.501	ug/l 99

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 ALS Vial : 4 Sample Multiplier: 1

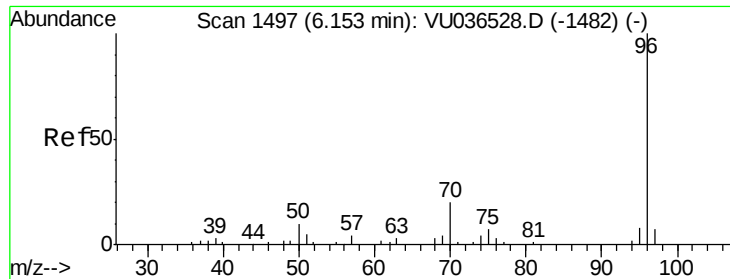
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 22 22:12:05 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	6.96	93	9544	1.706	ug/l	96
44) Bromodichloromethane	7.14	83	22973	1.596	ug/l	97
45) 4-Methyl-2-Pentanone	7.84	43	54313	7.021	ug/l	99
46) t-1,4-Dichloro-2-butene	10.85	75	20658	6.580	ug/l #	65
47) Methyl methacrylate	7.01	69	19118	3.584	ug/l	97
48) Ethyl methacrylate	8.37	69	18523	1.757	ug/l	100
49) Toluene	8.00	92	46147	1.794	ug/l	97
50) t-1,3-Dichloropropene	8.24	75	21948	1.553	ug/l	98
51) cis-1,3-Dichloropropene	7.64	75	27188	1.665	ug/l	99
52) 1,1,2-Trichloroethane	8.43	97	13841	1.866	ug/l	95
53) 1,3-Dichloropropane	8.61	76	23646	1.708	ug/l	96
54) 2-Hexanone	8.73	43	38311	7.194	ug/l	100
55) Dibromochloromethane	8.84	129	15704	1.808	ug/l	98
56) 1,2-Dibromoethane	8.95	107	13591	1.864	ug/l	95
58) Tetrachloroethene	8.58	164	23284	2.799	ug/l	98
59) Chlorobenzene	9.47	112	52208	1.923	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	16633	1.809	ug/l	98
61) Pentachloroethane	11.45	117	8557	1.131	ug/l	91
62) Hexachloroethane	12.49	117	13695	1.724	ug/l	94
63) Ethyl Benzene	9.60	91	88258	1.788	ug/l	99
64) m/p-Xylenes	9.72	106	69983	3.833	ug/l	97
65) o-Xylene	10.12	106	33538	1.882	ug/l	97
66) Styrene	10.14	104	55038	1.872	ug/l	99
67) Bromoform	10.32	173	8821	2.051	ug/l	98
69) Isopropylbenzene	10.51	105	88095	1.839	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.81	83	17440	1.745	ug/l	98
71) 1,2,3-Trichloropropane	10.85	75	20658	2.710	ug/l	70
72) Bromobenzene	10.81	156	21261	2.097	ug/l	99
73) n-propylbenzene	10.93	120	25048	1.950	ug/l	96
74) 2-Chlorotoluene	11.01	126	21848	1.983	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	75432	1.856	ug/l	100
76) 4-Chlorotoluene	11.12	126	22278	1.964	ug/l	95
77) tert-Butylbenzene	11.44	119	70783	1.818	ug/l	98
78) 1,2,4-Trimethylbenzene	11.49	105	78725	1.870	ug/l	99
79) sec-Butylbenzene	11.66	105	101173	1.872	ug/l	100
80) Nitrobenzene	13.24	77	914	5.216	ug/l #	85
81) p-Isopropyltoluene	11.81	119	85084	1.974	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	43248	2.036	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	43580	2.071	ug/l	99
84) n-Butylbenzene	12.23	91	77574	1.710	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	40852	2.032	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.01	75	3025	1.666	ug/l	88
87) 1,2,4-Trichlorobenzene	13.86	180	25238	1.977	ug/l	98
88) Hexachlorobutadiene	14.04	225	14612	2.438	ug/l	100
89) Naphthalene	14.10	128	41226	1.628	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	24087	2.055	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 96 Resp: 34952

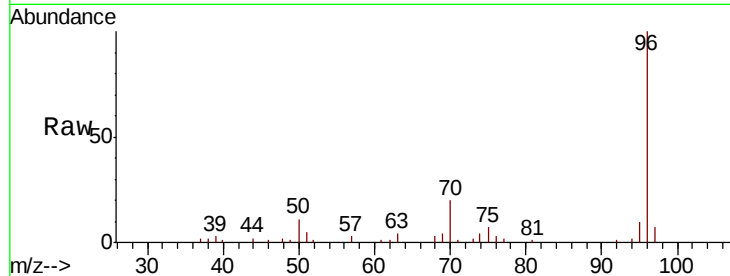
Ion Ratio Lower Upper

96 100

70 20.2 15.6 23.4

95 9.6 7.0 10.6

97 6.7 0.0 0.0#

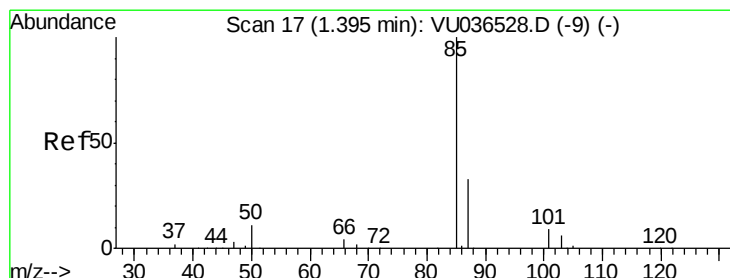
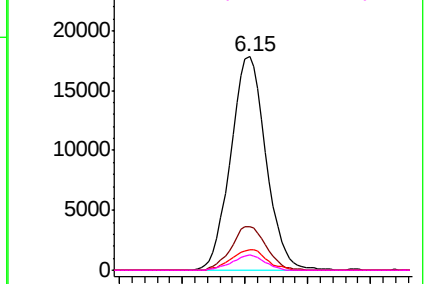
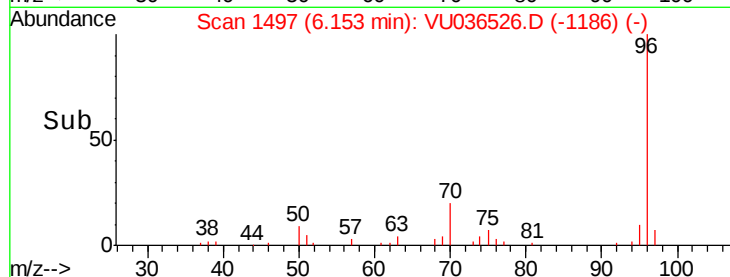


Abundance Ion 96.00 (95.70 to 96.70): VU0

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: 2.203 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036526.D

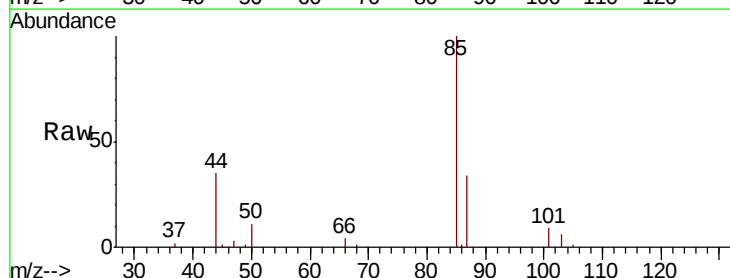
Acq: 22 Jan 2020 15:19

Tgt Ion: 85 Resp: 22031

Ion Ratio Lower Upper

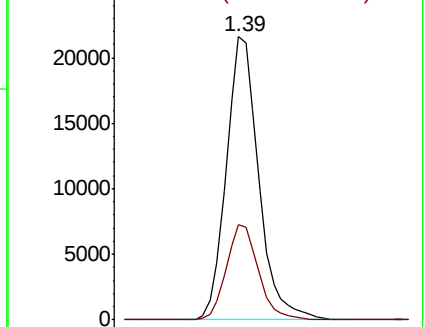
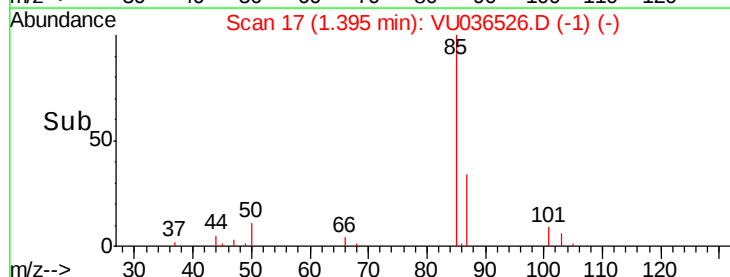
85 100

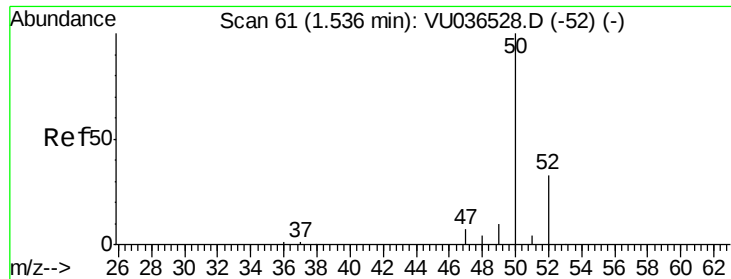
87 33.6 16.4 49.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

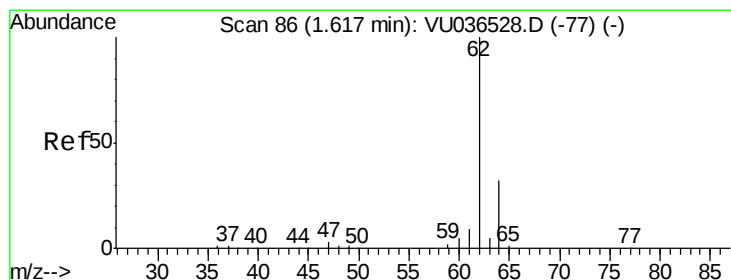
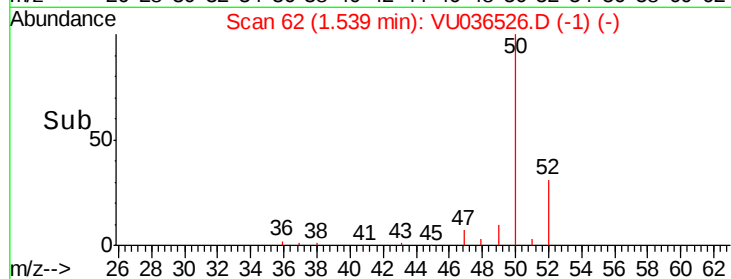
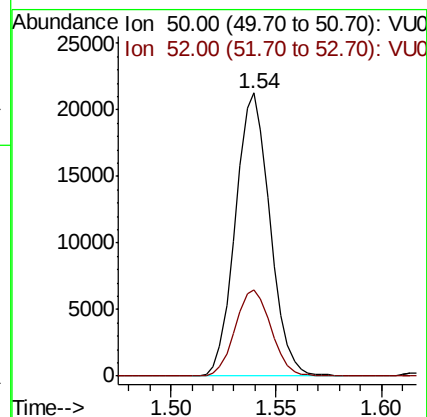
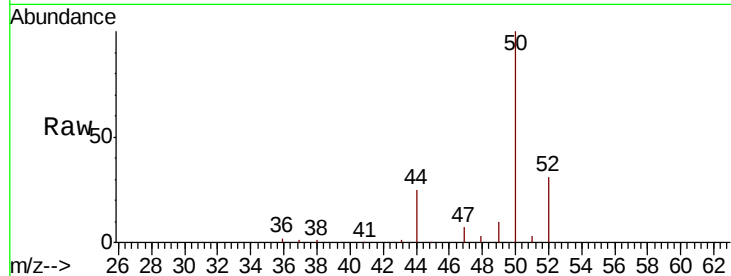




#3
 Chloromethane
 Concen: 1.865 ug/l
 RT: 1.54 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

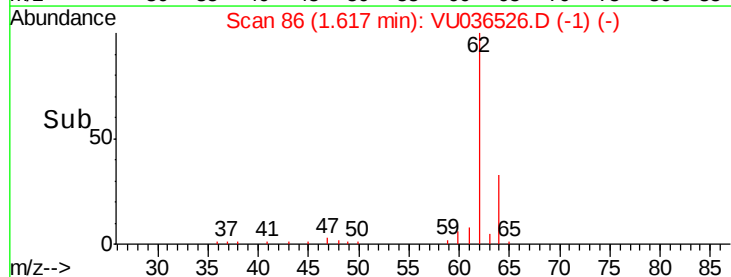
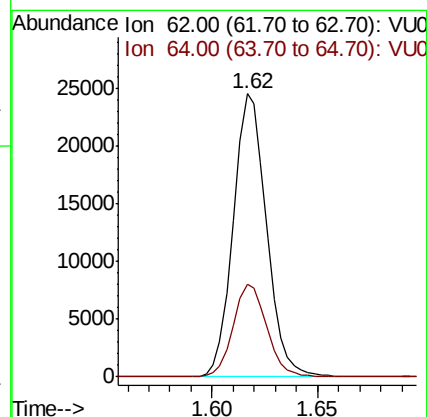
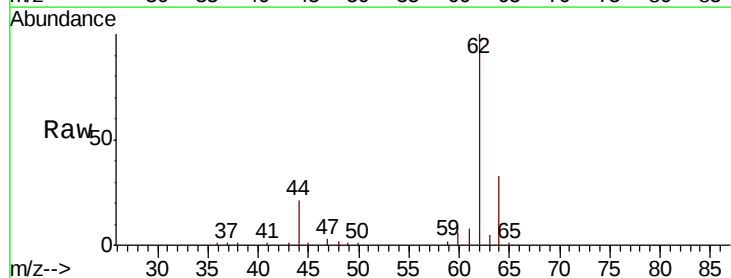
Instrument :
 MSVOA_U
 ClientSampled :

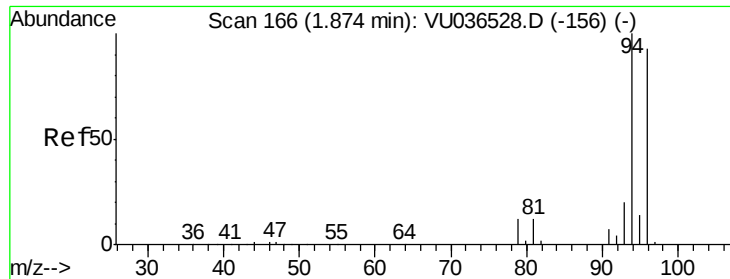
Tot Ion: 50 Resp: 24131
 Ion Ratio Lower Upper
 50 100
 52 30.6 26.0 39.0



#4
 Vinyl Chloride
 Concen: 1.805 ug/l
 RT: 1.62 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 62 Resp: 26814
 Ion Ratio Lower Upper
 62 100
 64 32.7 25.4 38.2

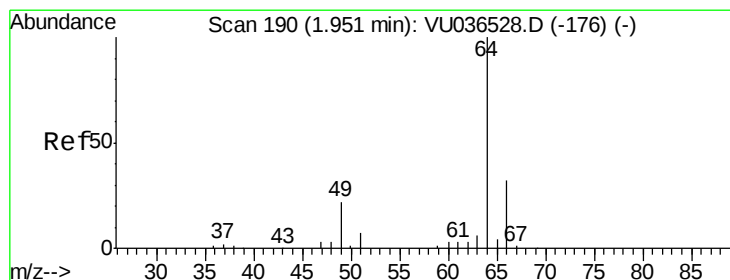
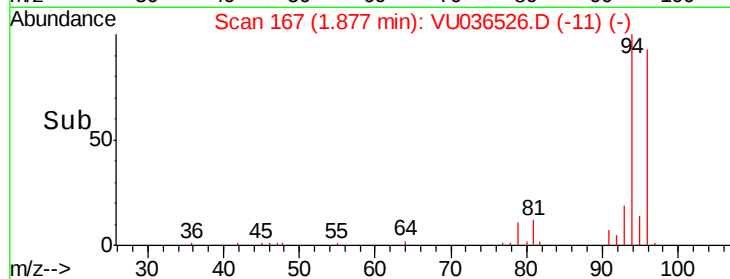
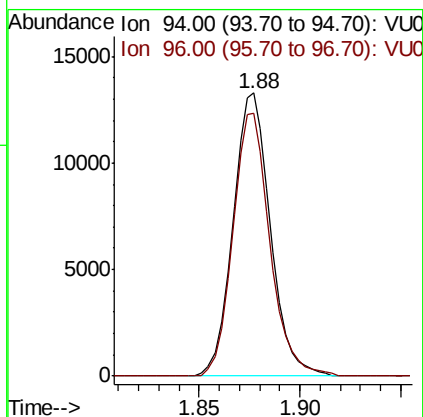
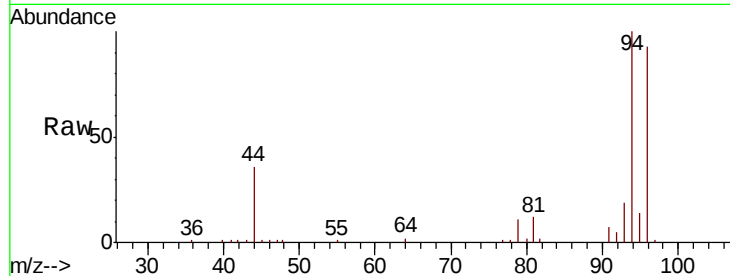




#5
Bromomethane
Concen: 2.178 ug/l
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

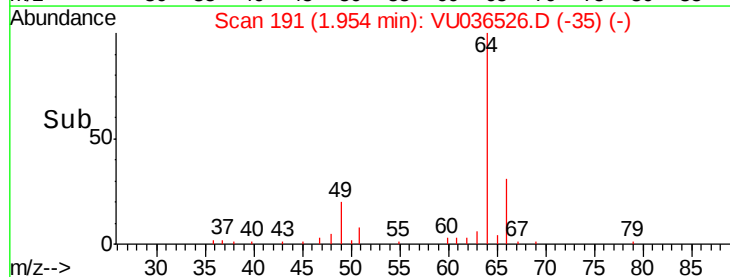
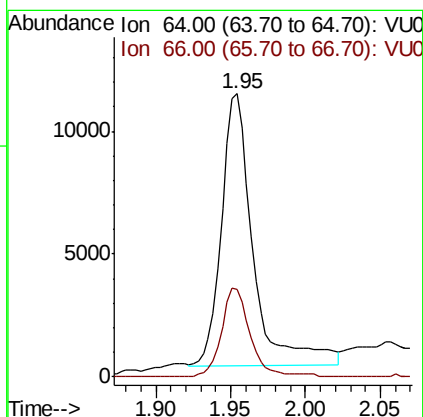
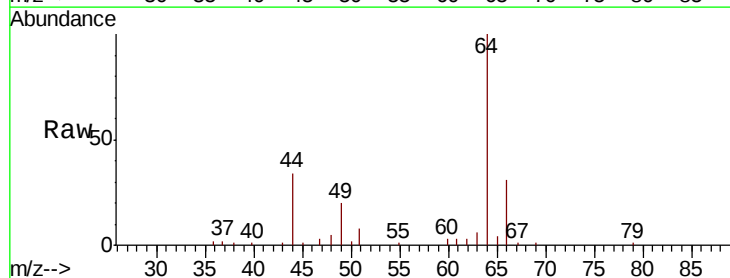
Instrument :
MSVOA_U
ClientSampled :

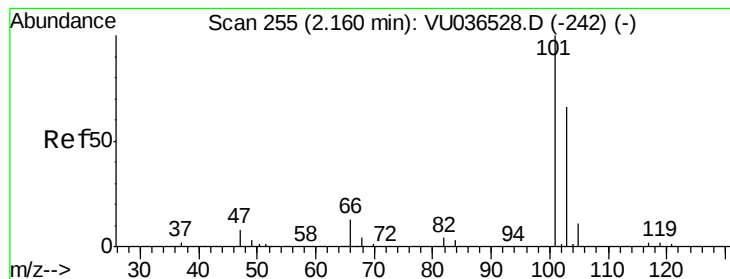
Tot Ion: 94 Resp: 17183
Ion Ratio Lower Upper
94 100
96 92.7 74.6 112.0



#6
Chloroethane
Concen: 1.892 ug/l
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 64 Resp: 16409
Ion Ratio Lower Upper
64 100
66 32.5 25.5 38.3





#7

Trichlorofluoromethane

Concen: 1.533 ug/l

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

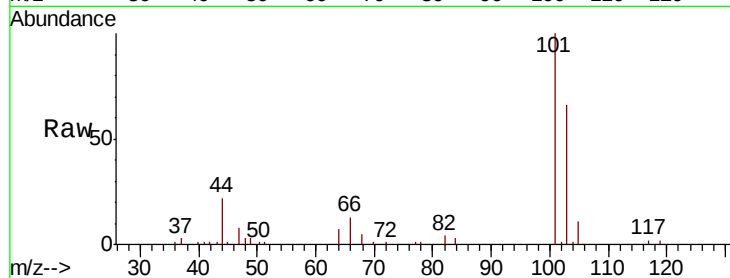
ClientSampleId :

Tot Ion:101 Resp: 26449

Ion Ratio Lower Upper

101 100

103 66.0 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.16

20000

15000

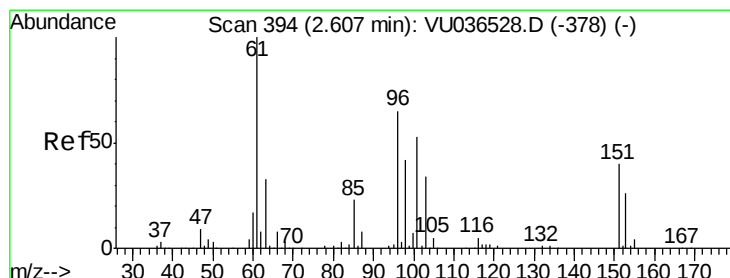
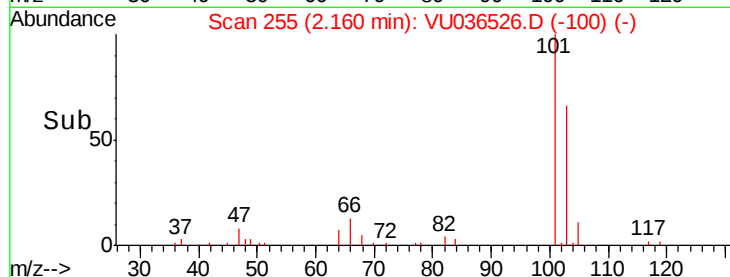
10000

5000

0

Time-->

2.10 2.15 2.20



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.837 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

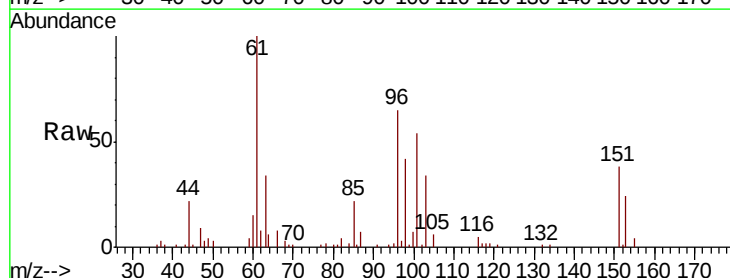
Tgt Ion:101 Resp: 16587

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

151 74.9 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

12000

10000

8000

6000

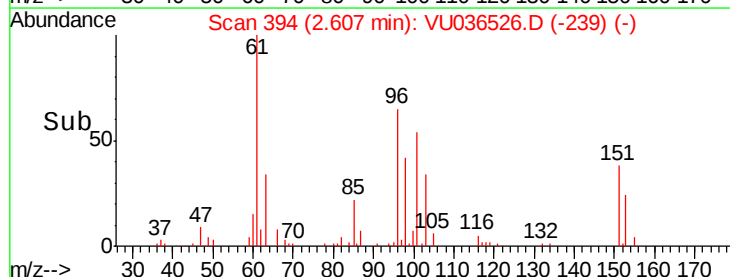
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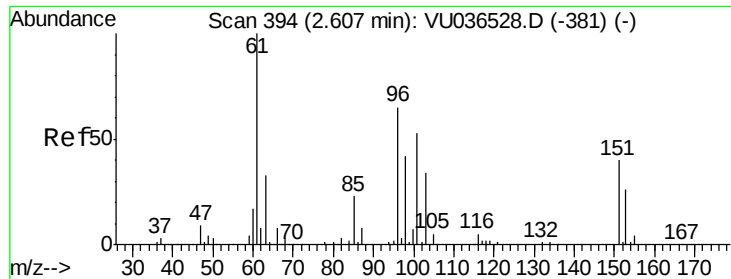
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Time-->

2.55 2.60 2.65

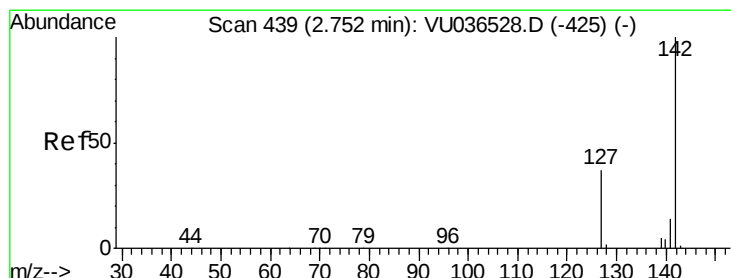
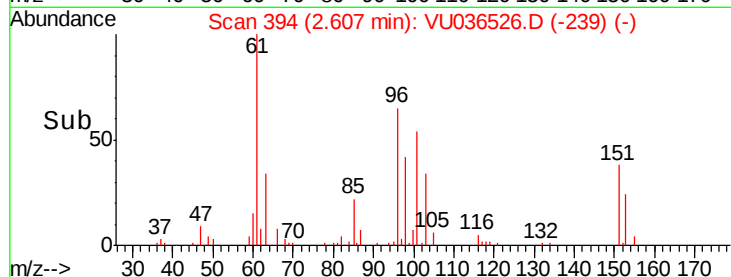
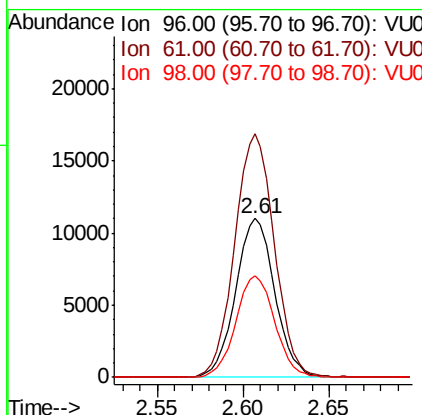
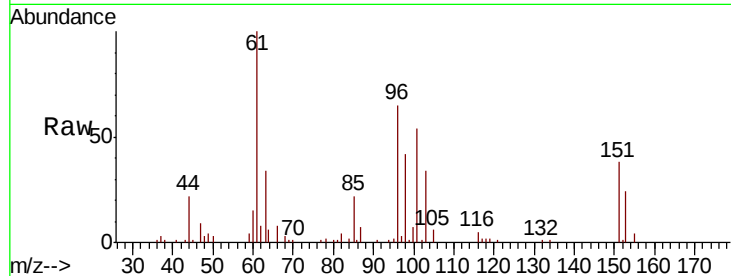




#9
 1,1-Dichloroethene
 Concen: 1.893 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

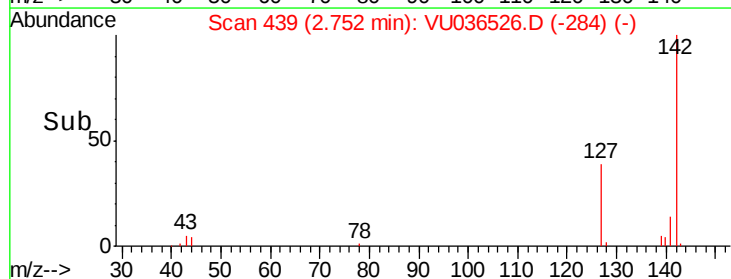
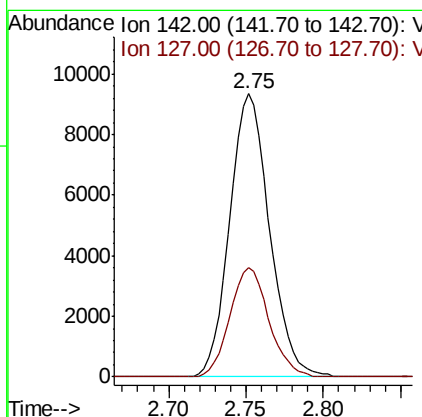
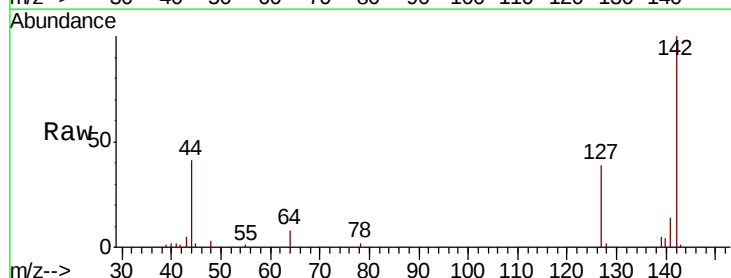
Instrument :
 MSVOA_U
 ClientSampled :

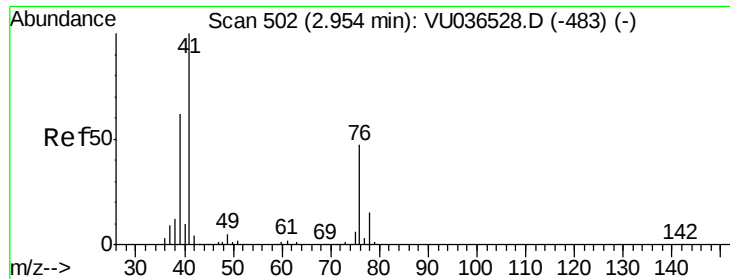
Tot Ion: 96 Resp: 17439
 Ion Ratio Lower Upper
 96 100
 61 153.6 0.0 463.2
 98 64.0 0.0 130.0



#10
 Iodomethane
 Concen: 1.511 ug/l
 RT: 2.75 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 142 Resp: 16668
 Ion Ratio Lower Upper
 142 100
 127 37.9 30.3 45.5

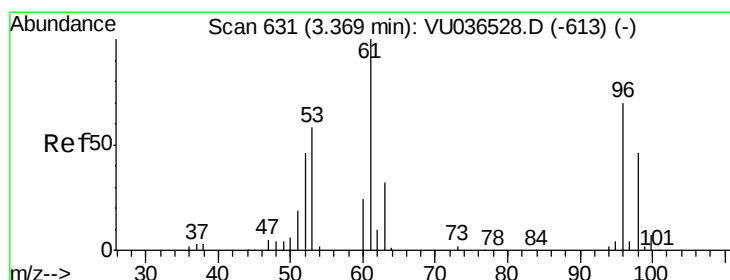
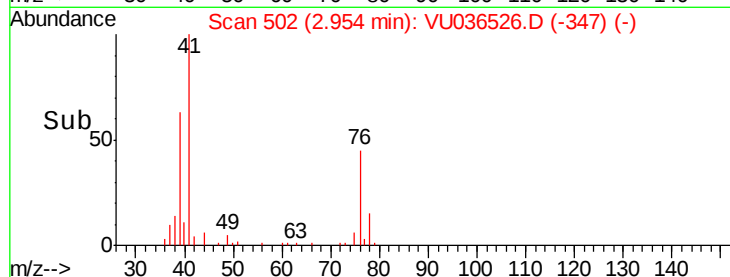
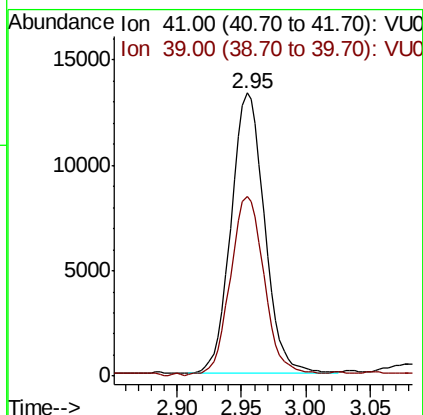
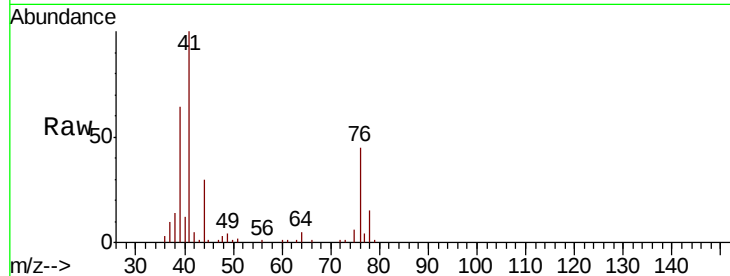




#11
Allvl Chloride
Concen: 1.327 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

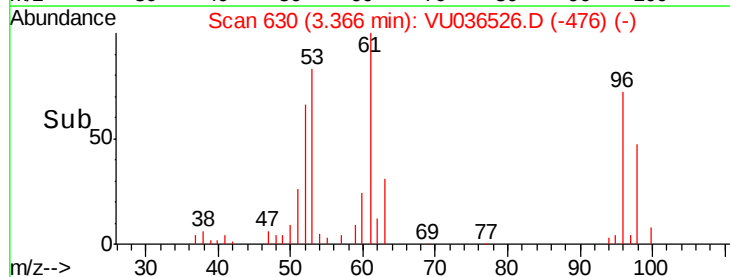
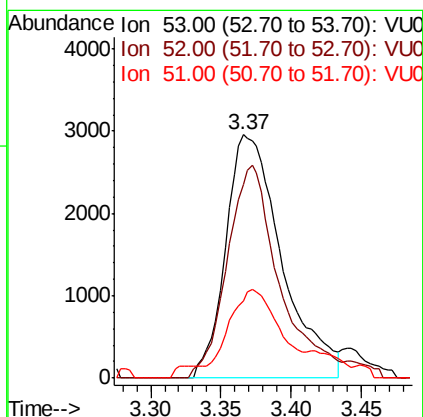
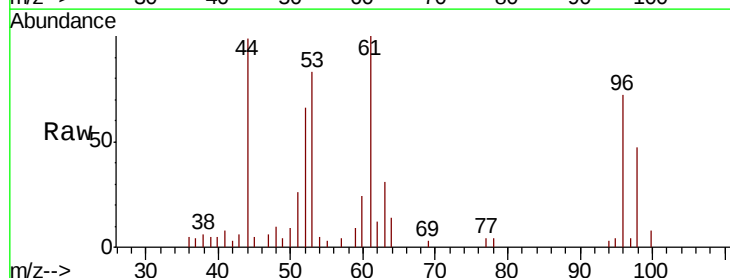
Instrument :
MSVOA_U
ClientSampled :

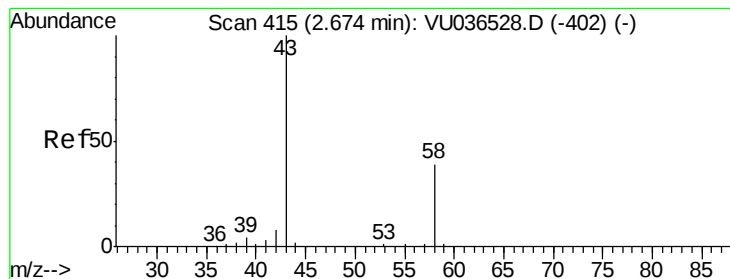
Tot Ion: 41 Resp: 23963
Ion Ratio Lower Upper
41 100
39 66.1 50.7 76.1



#12
Acrylonitrile
Concen: 3.182 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 53 Resp: 8225
Ion Ratio Lower Upper
53 100
52 81.4 64.6 97.0
51 27.7 27.2 40.8





#13

Acetone

Concen: 5.223 ug/l

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

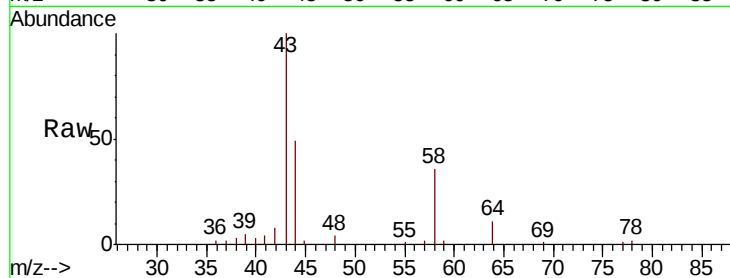
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 16188

Ion Ratio Lower Upper

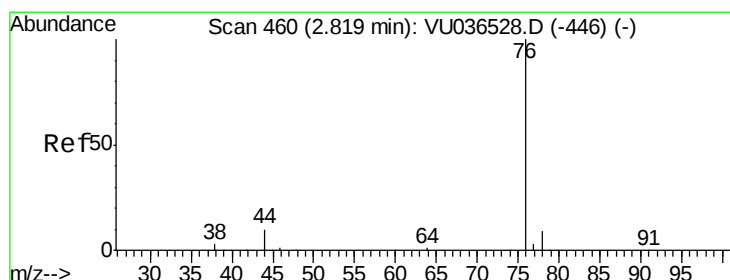
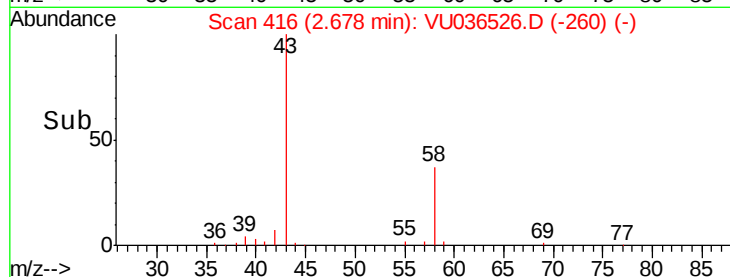
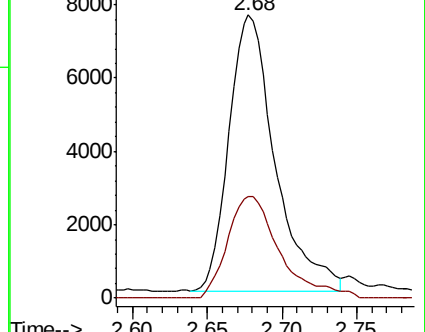
43 100

58 37.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VU036526.D (-260) (-)

Ion 58.00 (57.70 to 58.70): VU036526.D (-260) (-)



#14

Carbon Disulfide

Concen: 1.734 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036526.D

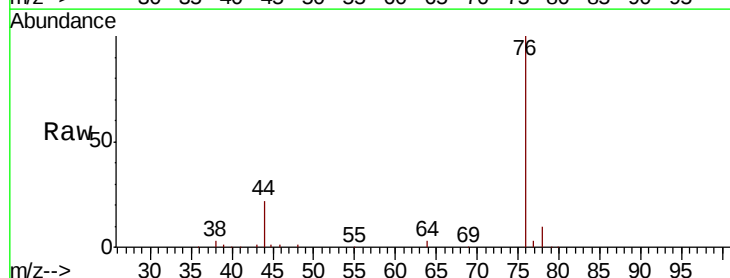
Acq: 22 Jan 2020 15:19

Tgt Ion: 76 Resp: 59648

Ion Ratio Lower Upper

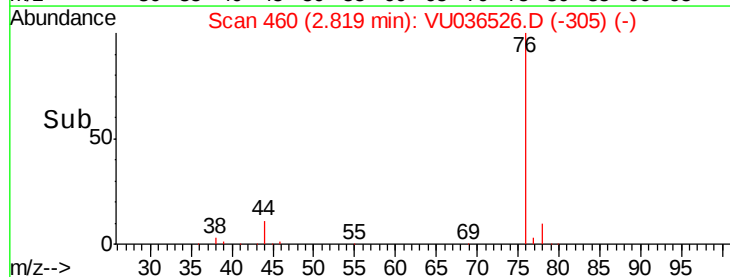
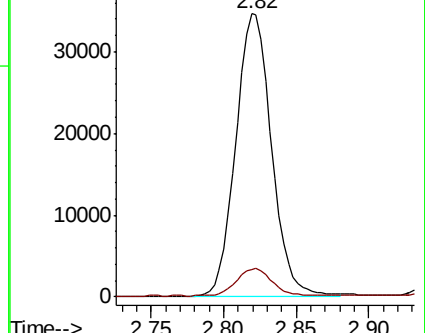
76 100

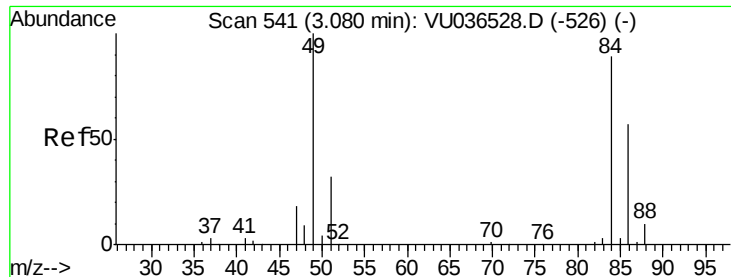
78 9.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036526.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU036526.D (-305) (-)

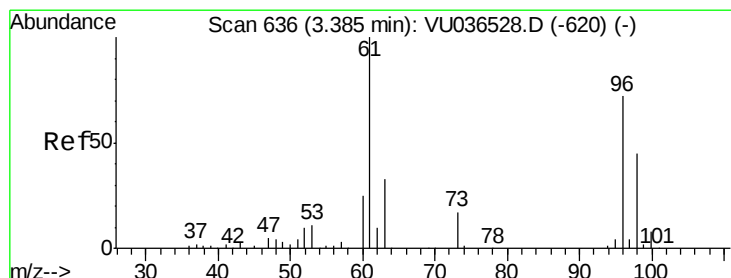
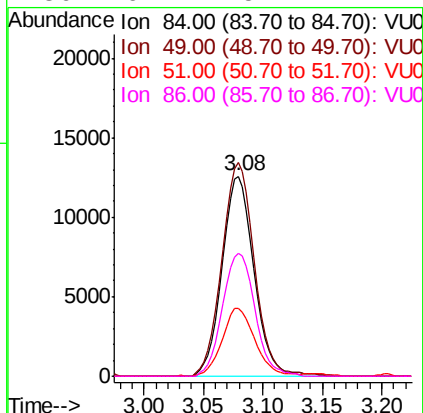
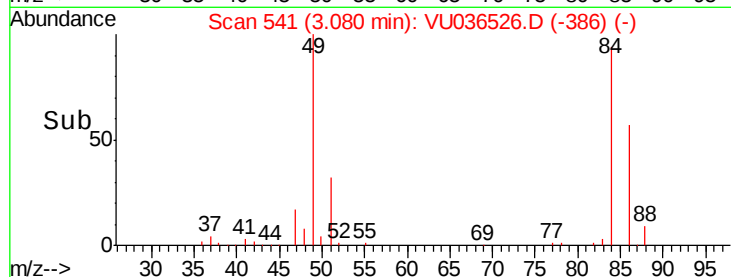
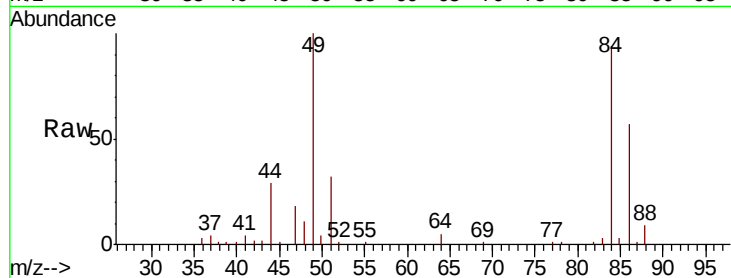




#15
Methvlene Chloride
Concen: 1.935 ug/l
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

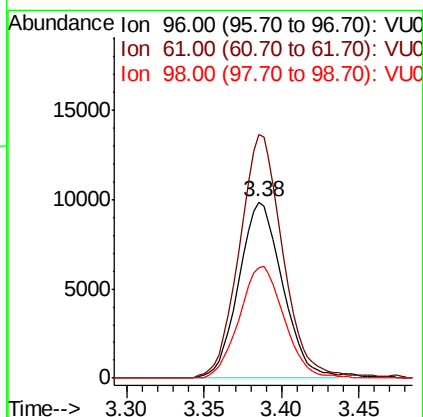
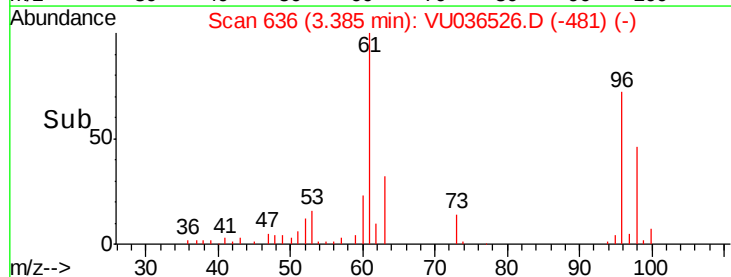
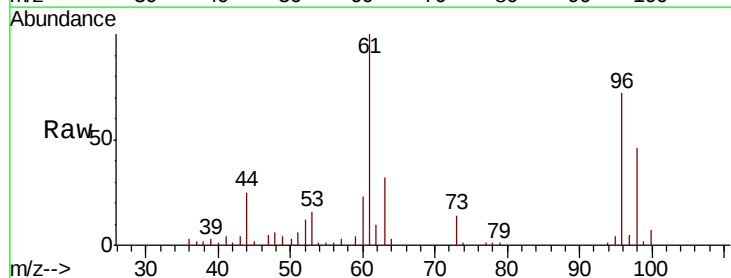
Instrument :
MSVOA_U
ClientSampled :

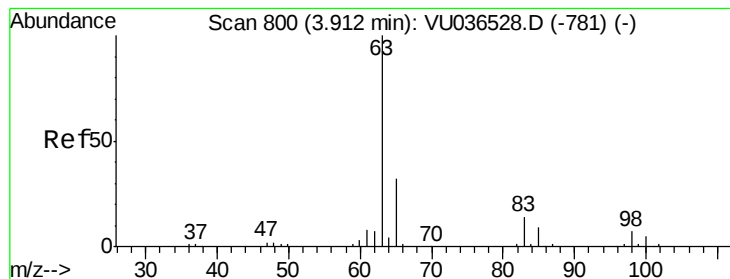
Tot Ion: 84 Resp: 23480
Ion Ratio Lower Upper
84 100
49 106.8 89.7 134.5
51 33.9 0.0 71.6
86 61.4 51.4 77.2



#16
trans-1,2-Dichloroethene
Concen: 1.884 ug/l
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 96 Resp: 19415
Ion Ratio Lower Upper
96 100
61 138.1 110.8 166.2
98 62.9 50.3 75.5





#17

1,1-Dichloroethane

Concen: 1.739 ug/l

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

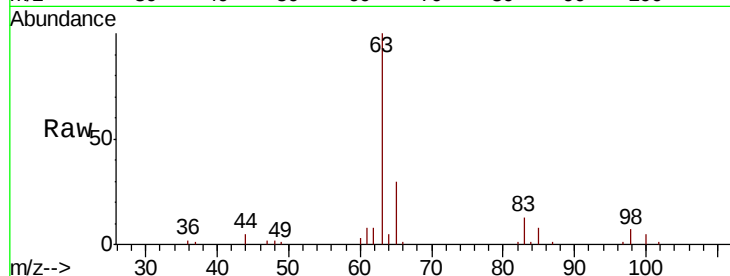
Tot Ion: 63 Resp: 32023

Ion Ratio Lower Upper

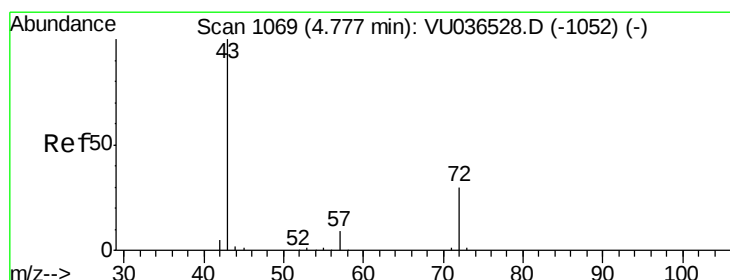
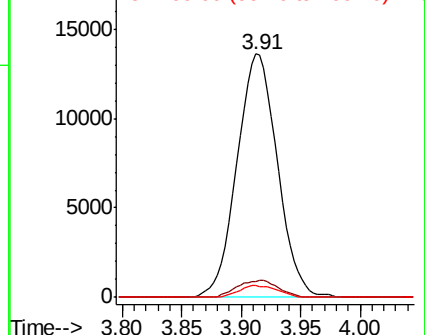
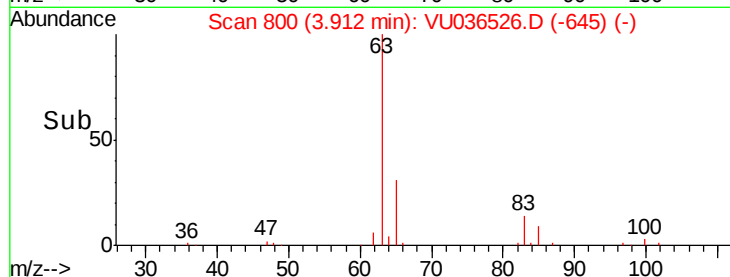
63 100

98 6.7 3.5 10.5

100 4.8 2.4 7.1



Abundance Ion 63.00 (62.70 to 63.70): VU036526.D (-645) (-)



#18

2-Butanone

Concen: 7.028 ug/l

RT: 4.78 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VU036526.D

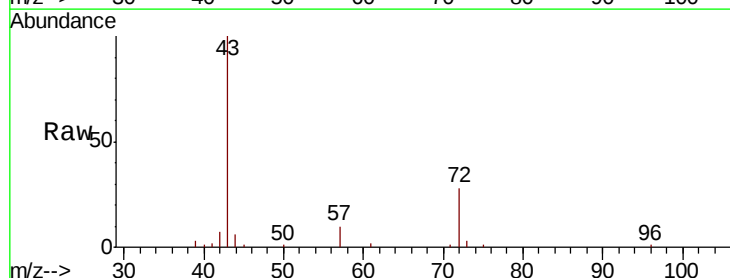
Acq: 22 Jan 2020 15:19

Tgt Ion: 43 Resp: 23456

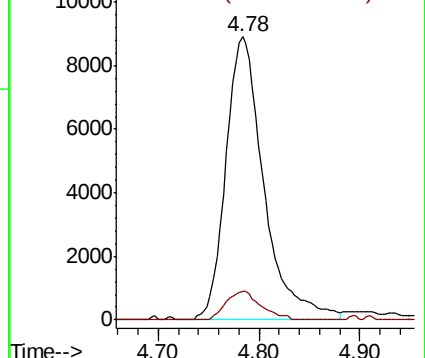
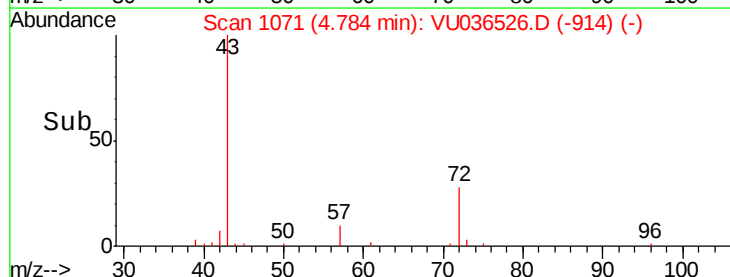
Ion Ratio Lower Upper

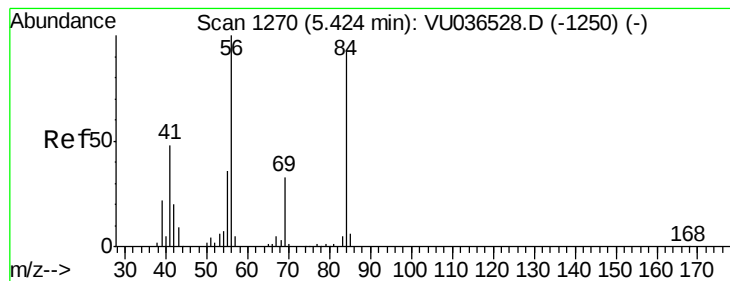
43 100

57 10.0 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU036526.D (-914) (-)





#19

Cyclohexane

Concen: 1.483 ug/l

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

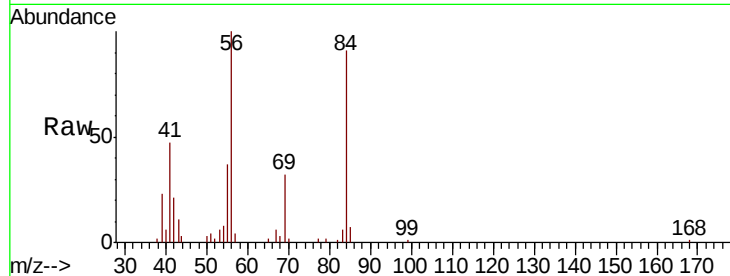
Tot Ion: 56 Resp: 26543

Ion Ratio Lower Upper

56 100

69 34.0 26.2 39.2

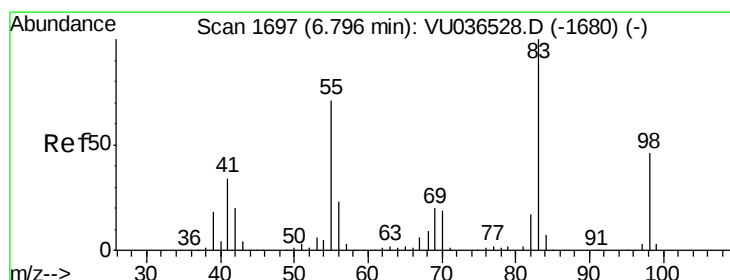
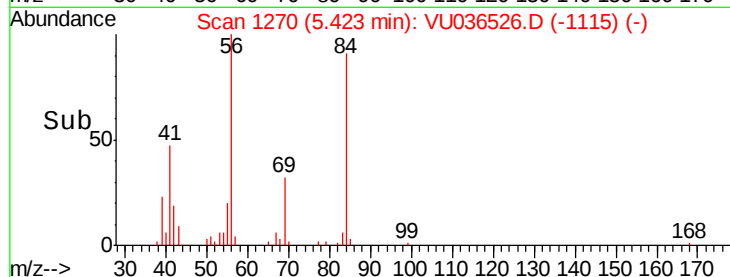
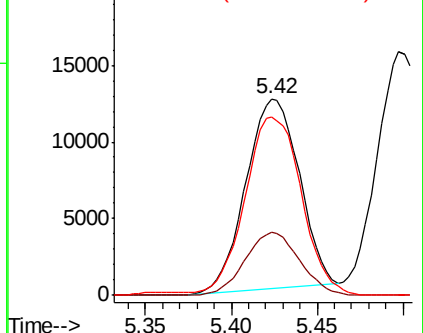
84 98.1 72.8 109.2



Abundance Ion 56.00 (55.70 to 56.70): VU036526.D (-1250) (-)

Ion 69.00 (68.70 to 69.70): VU036526.D (-1250) (-)

Ion 84.00 (83.70 to 84.70): VU036526.D (-1250) (-)



#20

Methylcyclohexane

Concen: 1.788 ug/l

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

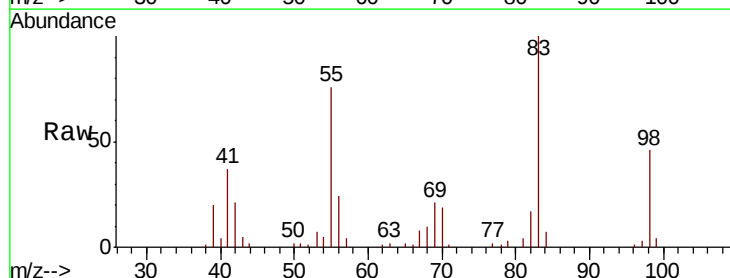
Tgt Ion: 83 Resp: 31738

Ion Ratio Lower Upper

83 100

55 72.4 56.6 85.0

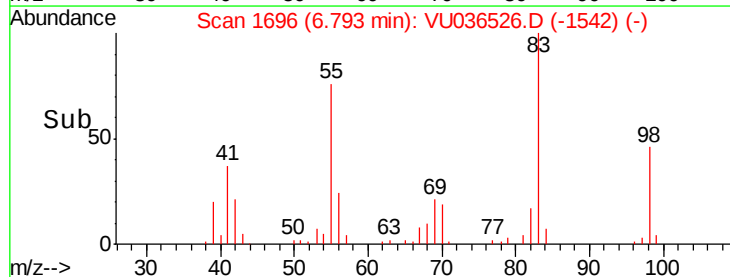
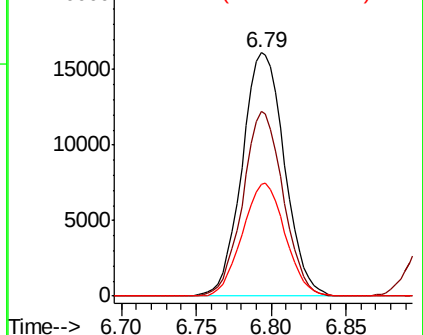
98 46.9 37.5 56.3

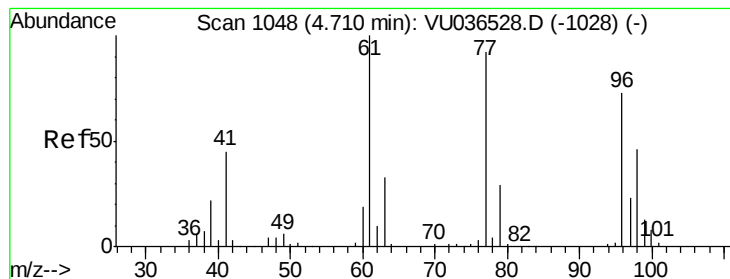


Abundance Ion 83.00 (82.70 to 83.70): VU036526.D (-1542) (-)

Ion 55.00 (54.70 to 55.70): VU036526.D (-1542) (-)

Ion 98.00 (97.70 to 98.70): VU036526.D (-1542) (-)





#21

2,2-Dichloropropane

Concen: 1.565 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

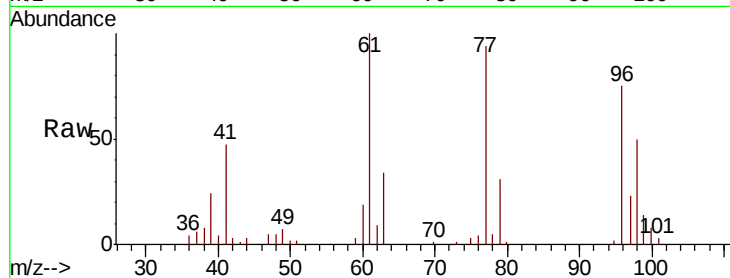
ClientSampled :

Tot Ion: 77 Resp: 26062

Ion Ratio Lower Upper

77 100

97 24.0 19.0 28.4



Abundance Ion 77.00 (76.70 to 77.70): VU036528.D (-1028) (-)

Ion 97.00 (96.70 to 97.70): VU036528.D (-1028) (-)

4.71

12000

10000

8000

6000

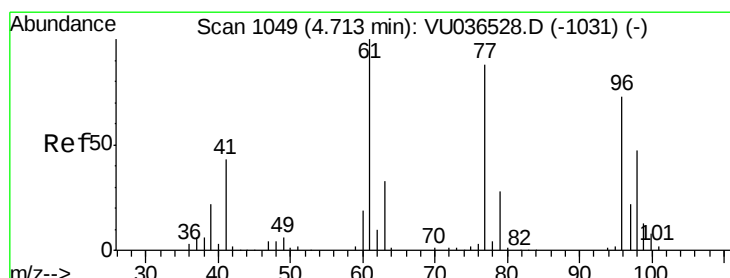
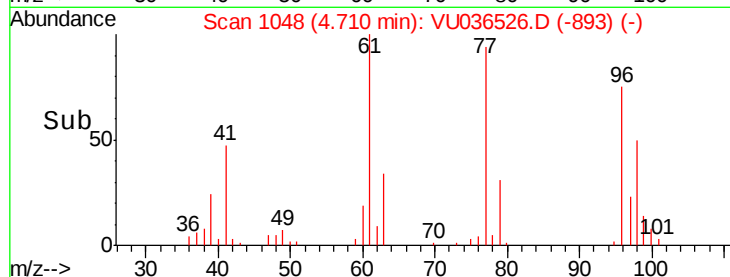
4000

2000

0

Time-->

4.60 4.65 4.70 4.75 4.80



#22

cis-1,2-Dichloroethene

Concen: 1.953 ug/l

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

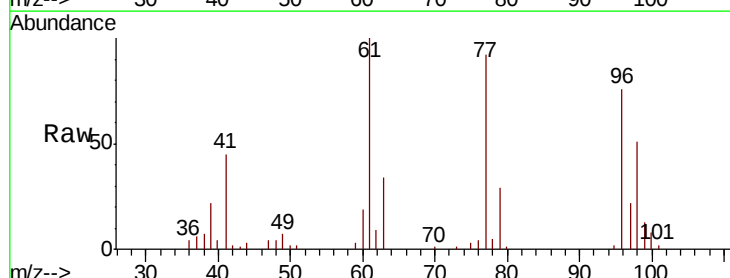
Tgt Ion: 96 Resp: 20384

Ion Ratio Lower Upper

96 100

61 132.8 0.0 342.0

98 65.2 32.0 96.0



Abundance Ion 96.00 (95.70 to 96.70): VU036528.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU036528.D (-1031) (-)

Ion 98.00 (97.70 to 98.70): VU036528.D (-1031) (-)

4.71

15000

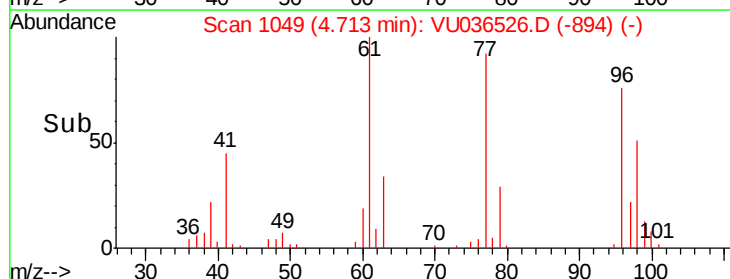
10000

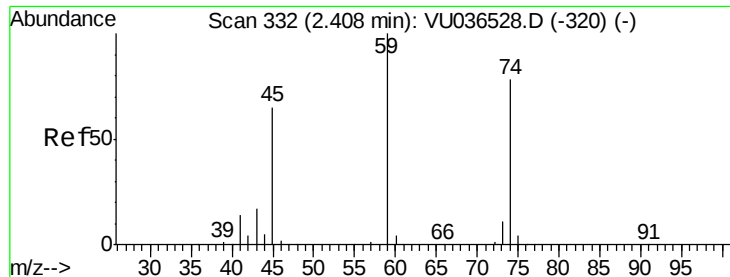
5000

0

Time-->

4.65 4.70 4.75 4.80

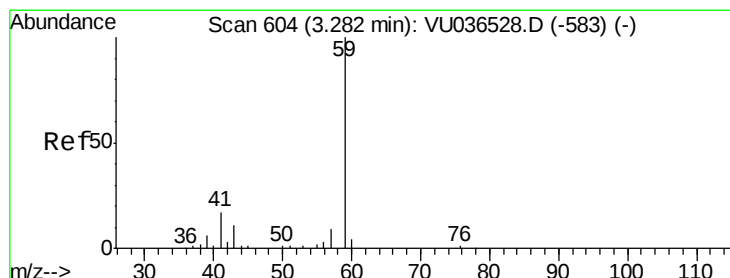
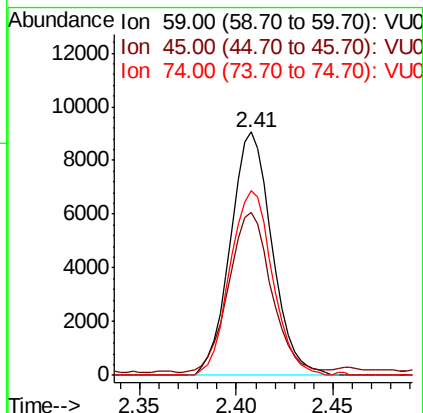
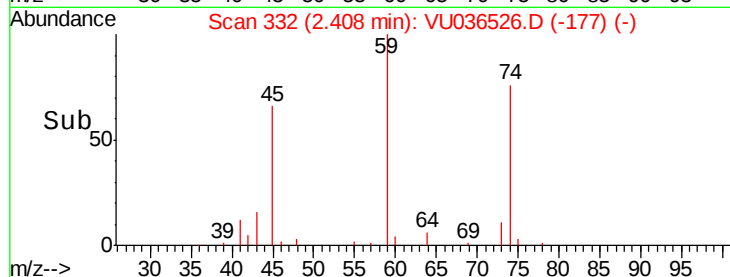
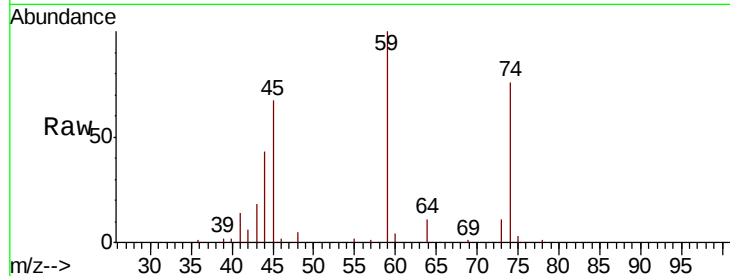




#23
Diethyl Ether
Concen: 1.688 ug/l
RT: 2.41 min Scan# 332
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

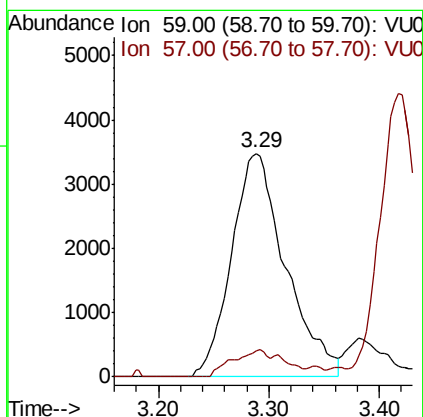
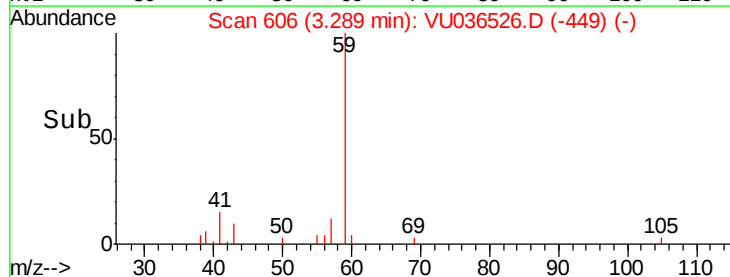
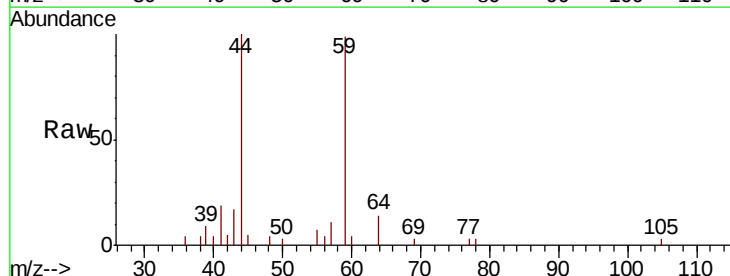
Instrument :
MSVOA_U
ClientSampleId :

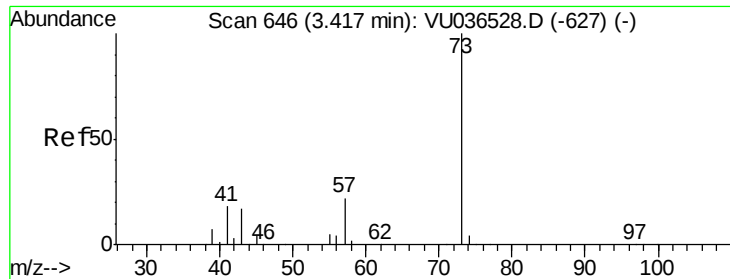
Tot Ion: 59 Resp: 13555
Ion Ratio Lower Upper
59 100
45 66.7 52.4 78.6
74 77.8 62.1 93.1



#24
tert-Butyl Alcohol
Concen: 14.232 ug/l
RT: 3.29 min Scan# 606
Delta R.T. 0.01 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 59 Resp: 11828
Ion Ratio Lower Upper
59 100
57 8.0 8.4 12.6#



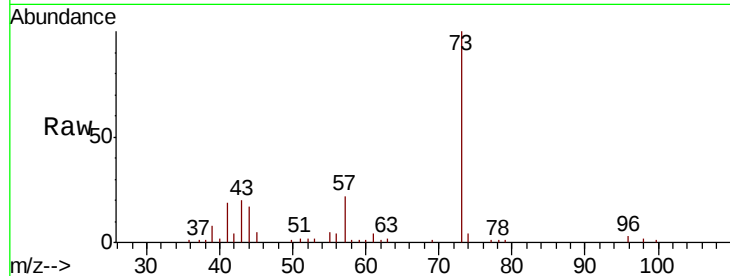


#25

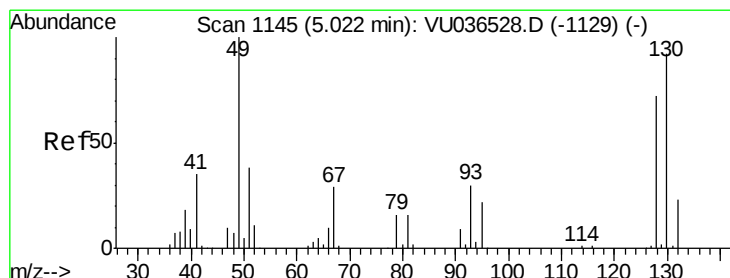
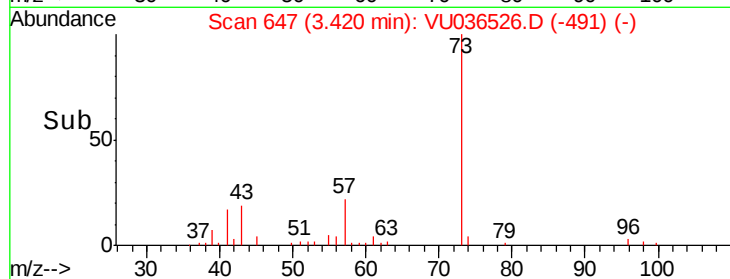
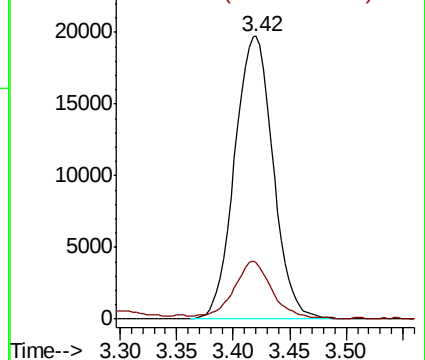
Methyl tert-Butyl Ether
 Concen: 1.658 ug/l
 RT: 3.42 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 46730
 Ion Ratio Lower Upper
 73 100
 43 18.7 14.5 21.7



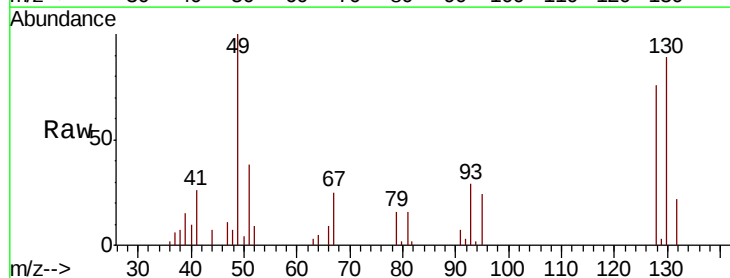
Abundance Ion 73.00 (72.70 to 73.70): VU036526.D (-491) (-)
 Ion 43.00 (42.70 to 43.70): VU036526.D (-491) (-)



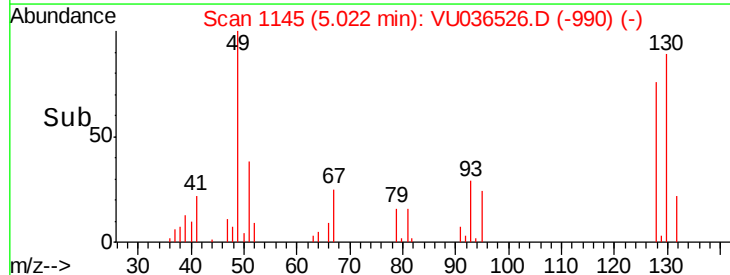
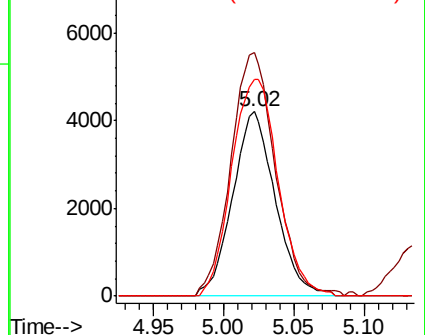
#26

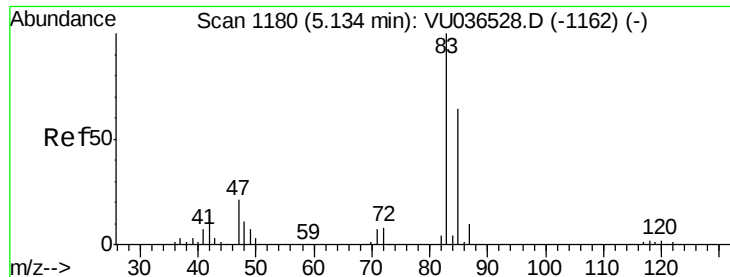
Bromochloromethane
 Concen: 2.130 ug/l
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 128 Resp: 8910
 Ion Ratio Lower Upper
 128 100
 49 137.9 0.0 286.2
 130 128.0 104.3 156.5



Abundance Ion 128.00 (127.70 to 128.70): VU036526.D (-990) (-)
 Ion 49.00 (48.70 to 49.70): VU036526.D (-990) (-)
 Ion 130.00 (129.70 to 130.70): VU036526.D (-990) (-)

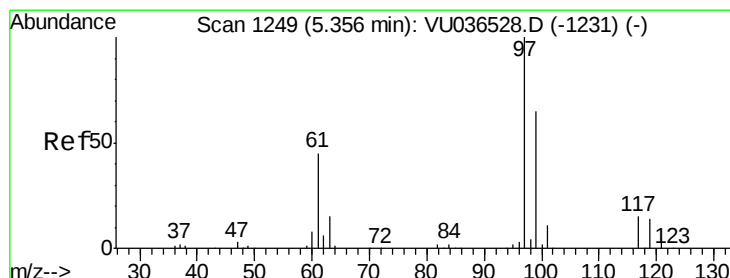
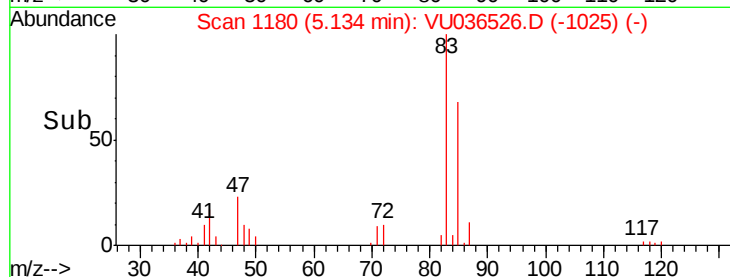
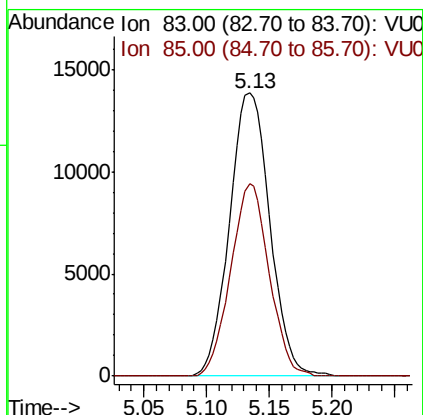
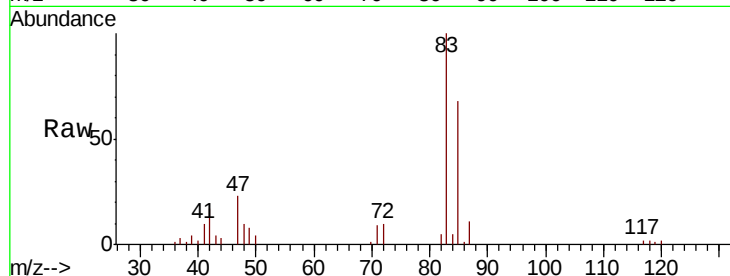




#27
Chloroform
Concen: 1.692 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

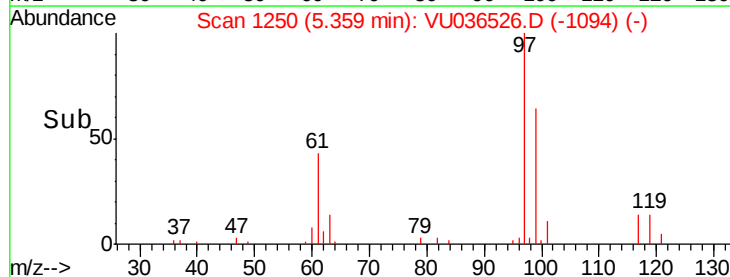
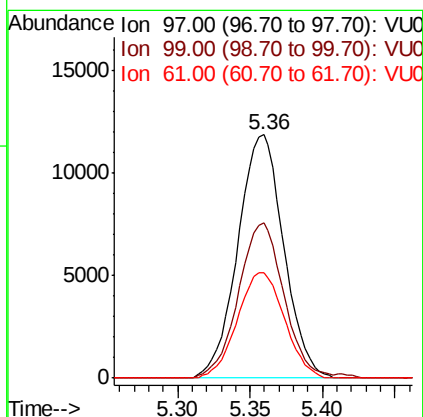
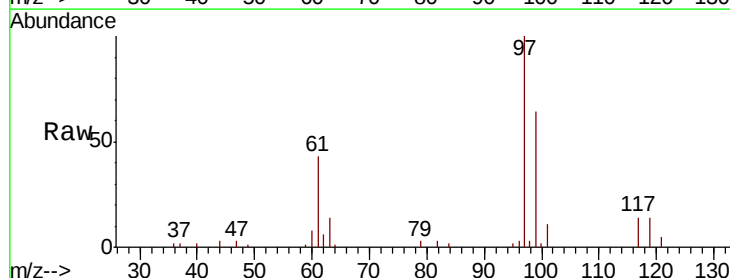
Instrument :
MSVOA_U
ClientSampleId :

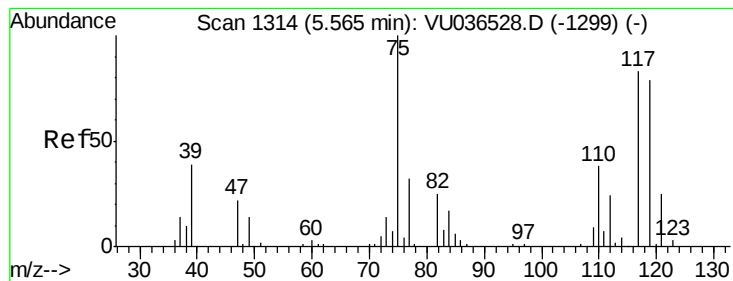
Tot Ion: 83 Resp: 31016
Ion Ratio Lower Upper
83 100
85 68.1 0.0 129.0



#28
1,1,1-Trichloroethane
Concen: 1.608 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 97 Resp: 26094
Ion Ratio Lower Upper
97 100
99 63.8 32.1 96.3
61 44.5 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.695 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :

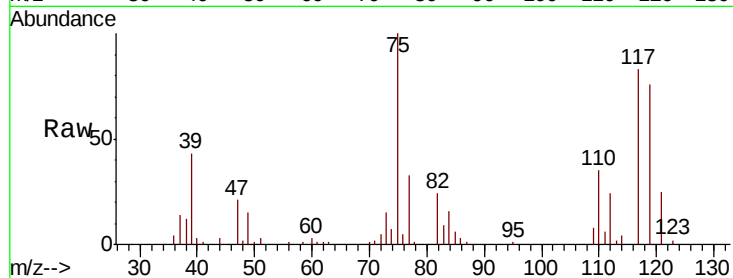
Tot Ion: 75 Resp: 25143

Ion Ratio Lower Upper

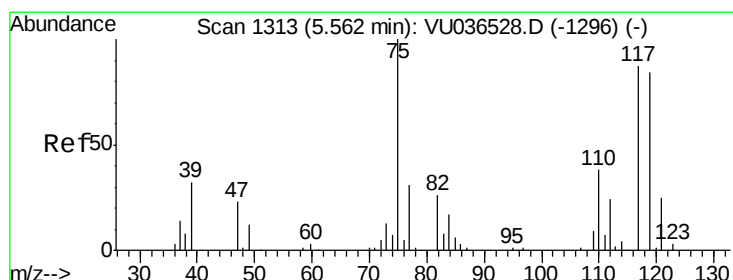
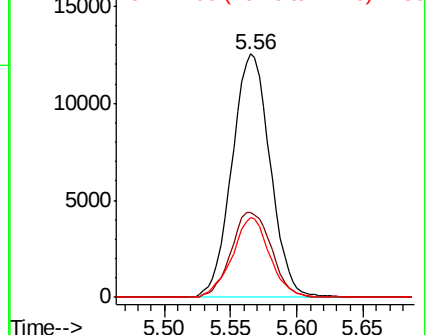
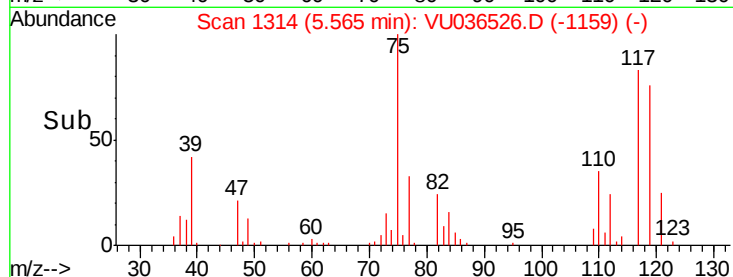
75 100

110 36.6 18.6 55.8

77 32.0 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU036526.D (-1159) (-)



#30

Carbon Tetrachloride

Concen: 1.627 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

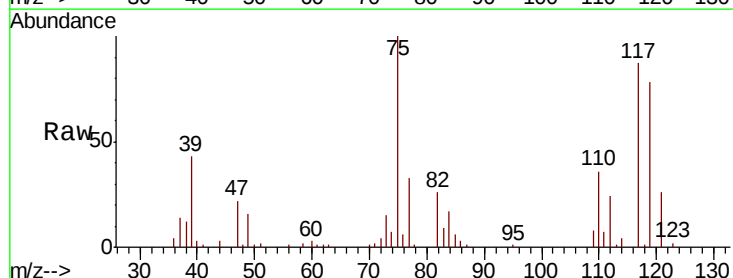
Tgt Ion: 117 Resp: 22208

Ion Ratio Lower Upper

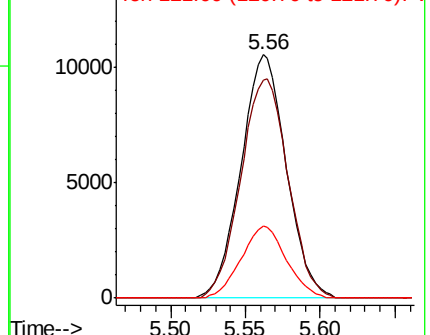
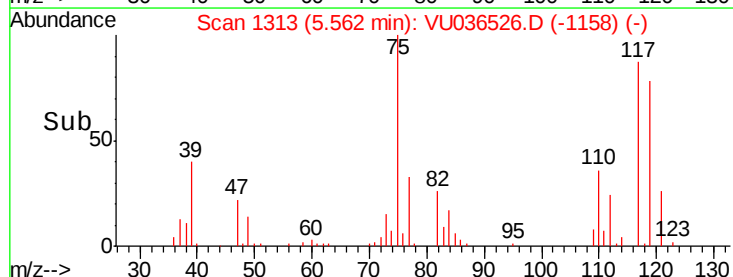
117 100

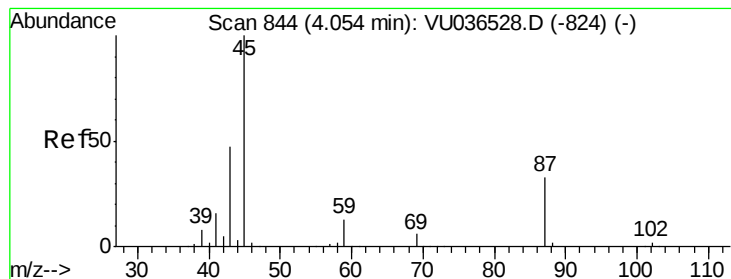
119 89.5 77.0 115.6

121 29.6 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): VU036526.D (-1158) (-)





#31

Isopropyl Ether

Concen: 1.531 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

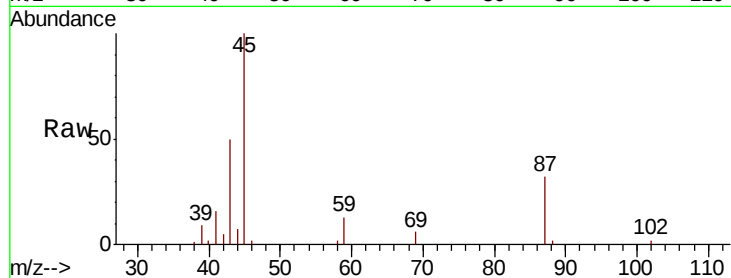
ClientSampleId :

Tot Ion: 45 Resp: 47436

Ion Ratio Lower Upper

45 100

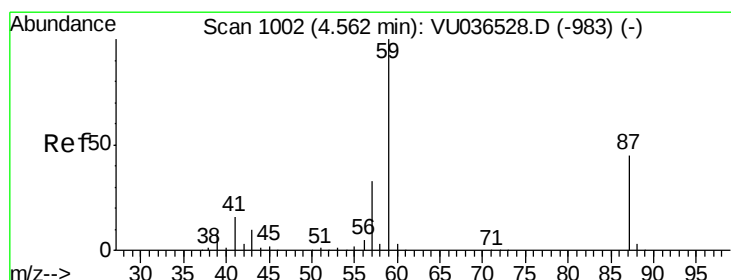
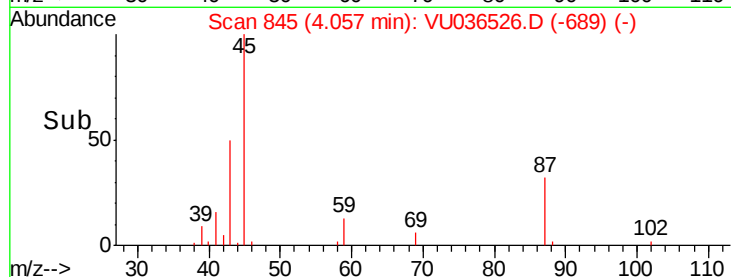
43 50.3 24.0 72.0



Abundance Ion 45.00 (44.70 to 45.70): VU036528.D (-824) (-)

Ion 43.00 (42.70 to 43.70): VU036528.D (-824) (-)

Time-->



#32

Ethyl-t-butyl ether

Concen: 1.646 ug/l

RT: 4.57 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VU036526.D

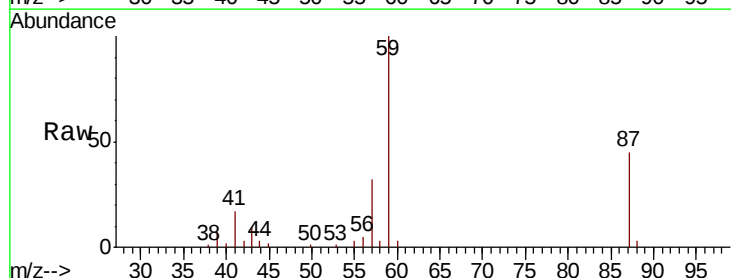
Acq: 22 Jan 2020 15:19

Tgt Ion: 59 Resp: 49882

Ion Ratio Lower Upper

59 100

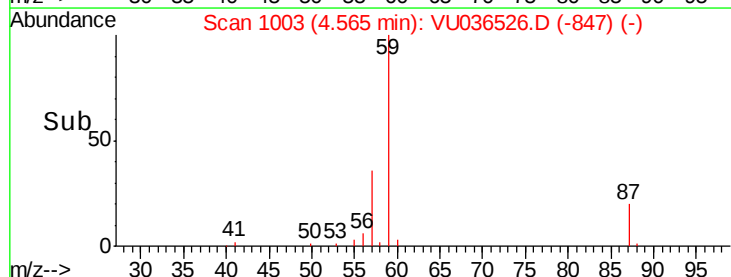
87 43.8 35.1 52.7

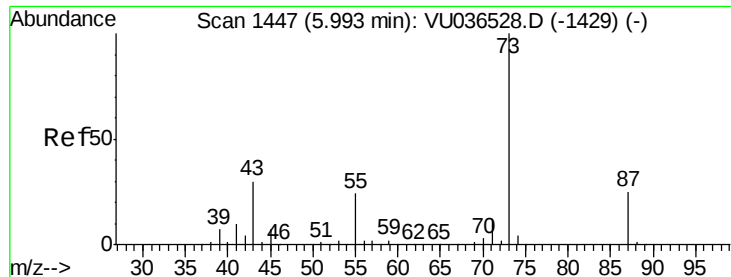


Abundance Ion 59.00 (58.70 to 59.70): VU036528.D (-983) (-)

Ion 87.00 (86.70 to 87.70): VU036528.D (-983) (-)

Time-->

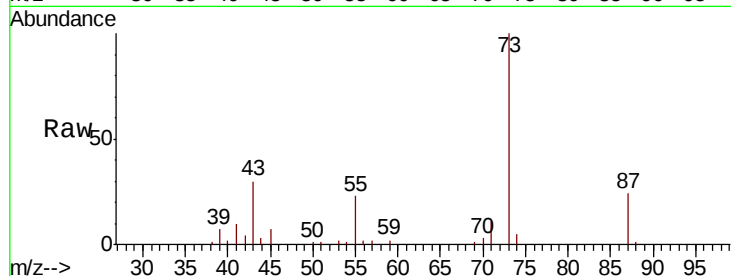




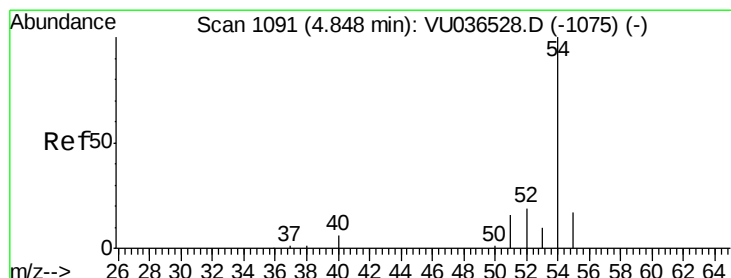
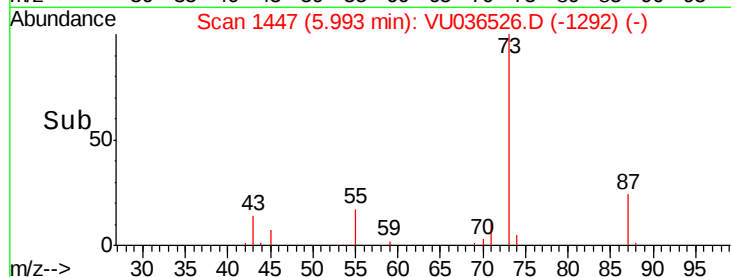
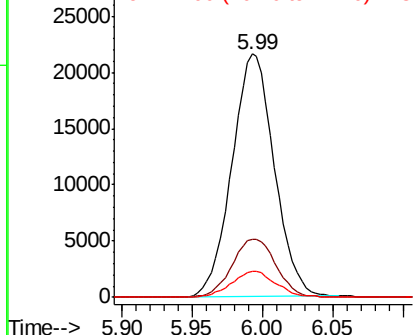
#33
Tert-Butyl methyl ether
Concen: 1.648 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleID :

Tot Ion: 73 Resp: 45384
Ion Ratio Lower Upper
73 100
87 24.9 19.8 29.6
71 11.3 9.1 13.7

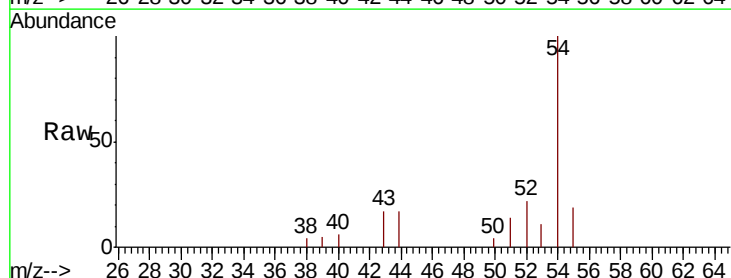


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

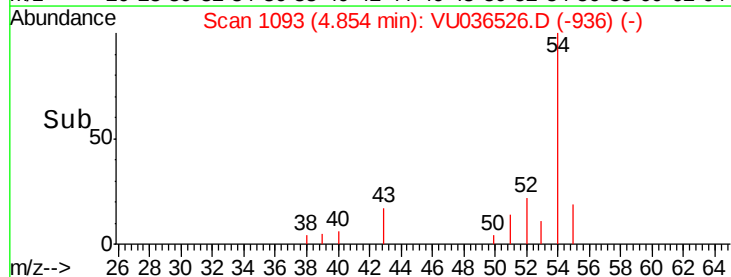
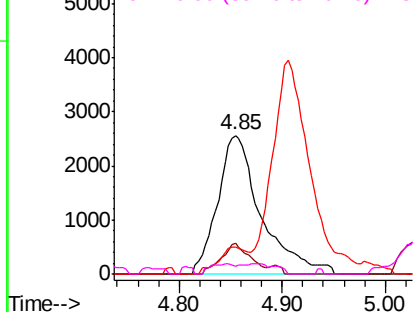


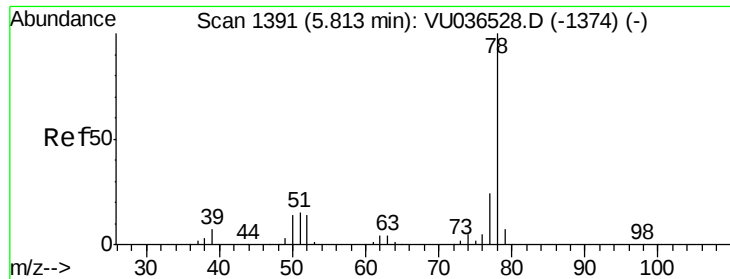
#34
Propionitrile
Concen: 9.022 ug/l
RT: 4.85 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 54 Resp: 7512
Ion Ratio Lower Upper
54 100
52 15.1 15.2 22.8#
55 12.5 9.5 14.3
40 4.1 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: 1.782 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

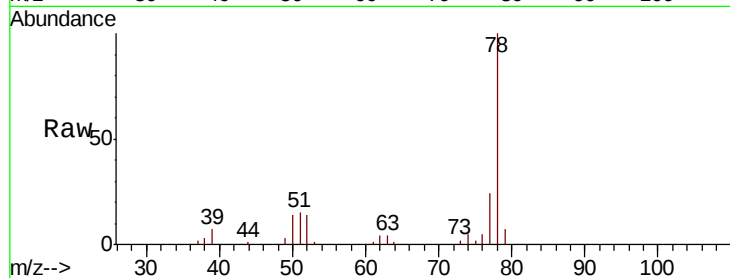
ClientSampleId :

Tot Ion: 78 Resp: 73888

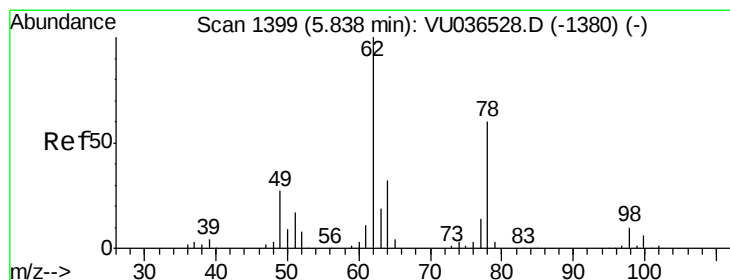
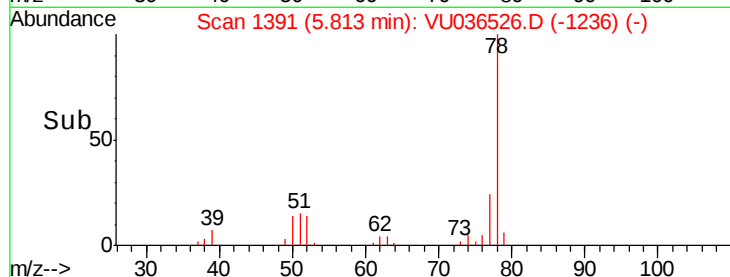
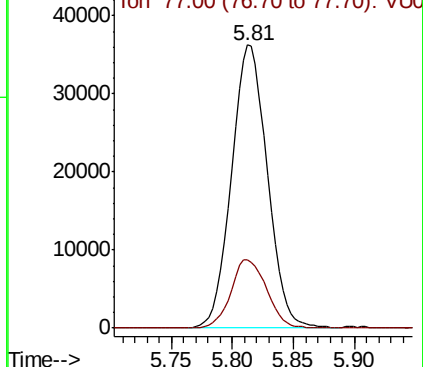
Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU036526.D (-1236) (-)



#36

1,2-Dichloroethane

Concen: 1.478 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU036526.D

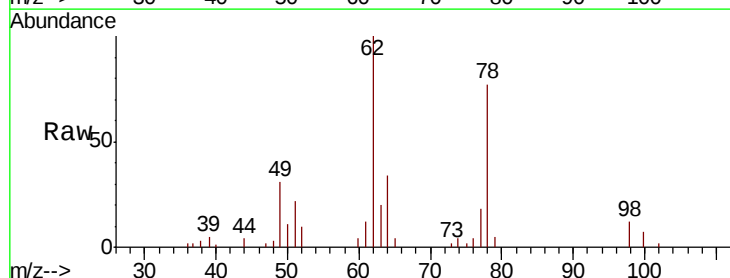
Acq: 22 Jan 2020 15:19

Tgt Ion: 62 Resp: 19634

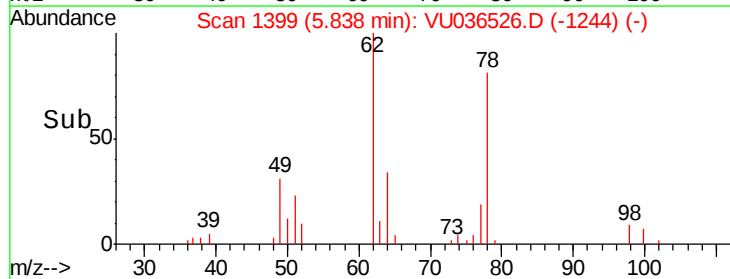
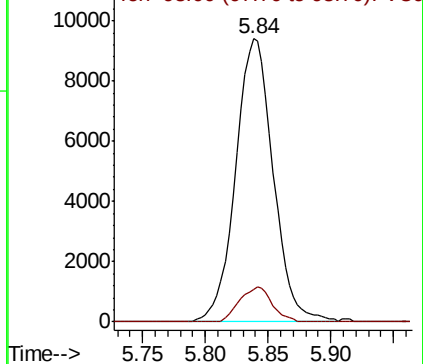
Ion Ratio Lower Upper

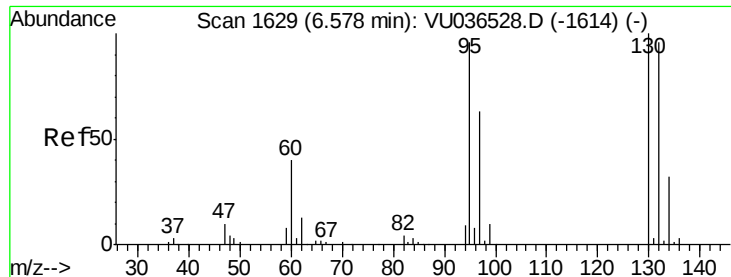
62 100

98 10.6 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU036526.D (-1244) (-)

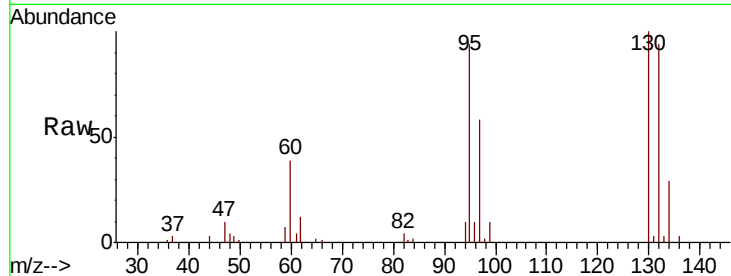




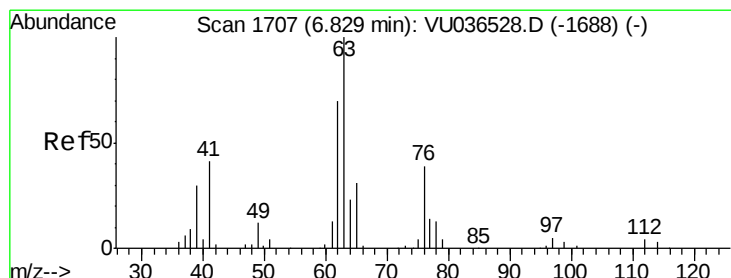
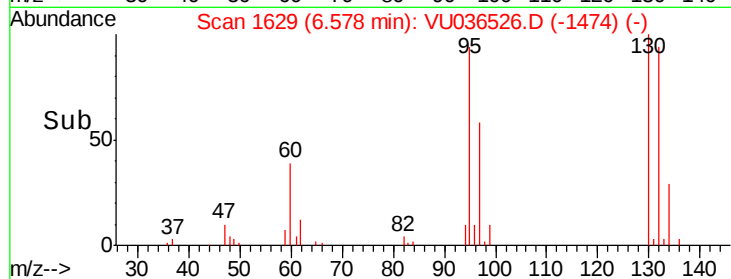
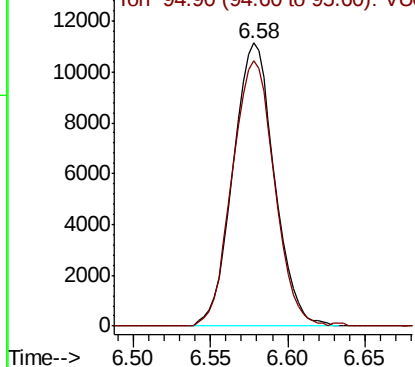
#37
 Trichloroethene
 Concen: 2.052 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:130 Resp: 20666
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.0 115.4

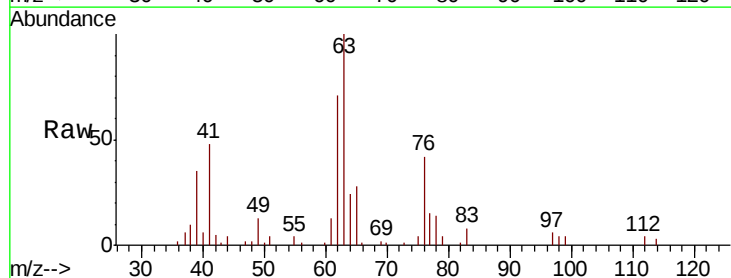


Abundance Ion 129.90 (129.60 to 130.60): VU036528.D (-1614) (-)
 Ion 94.90 (94.60 to 95.60): VU036528.D (-1614) (-)

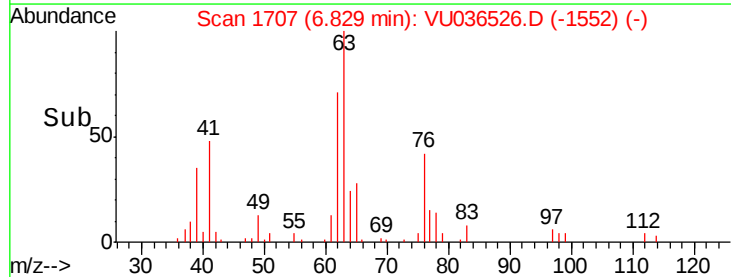
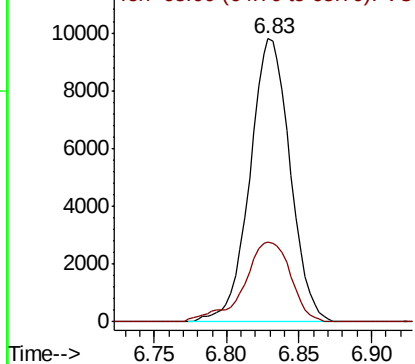


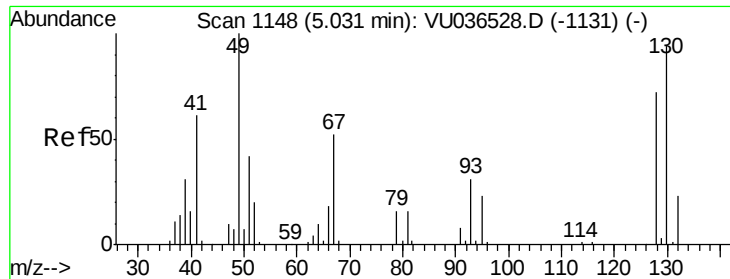
#38
 1,2-Dichloropropane
 Concen: 1.735 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 63 Resp: 18893
 Ion Ratio Lower Upper
 63 100
 65 28.1 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) (-)

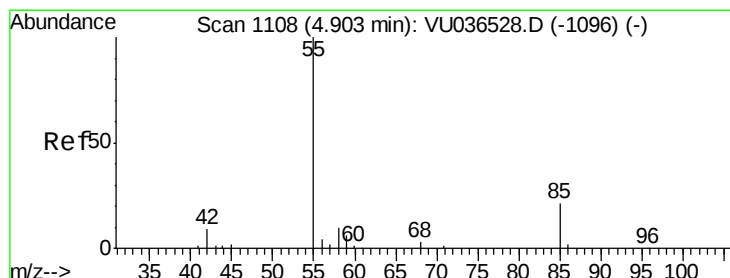
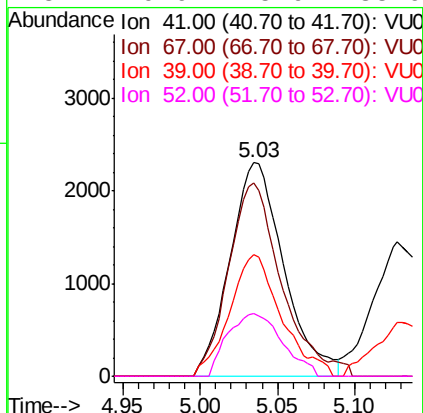
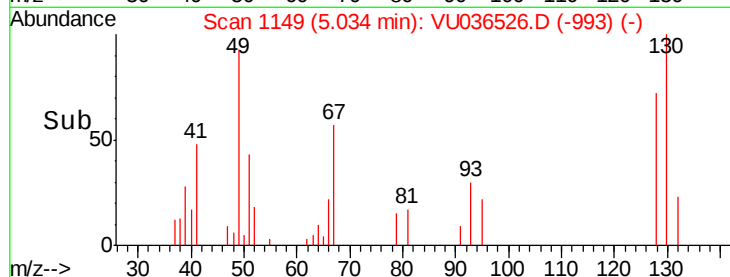
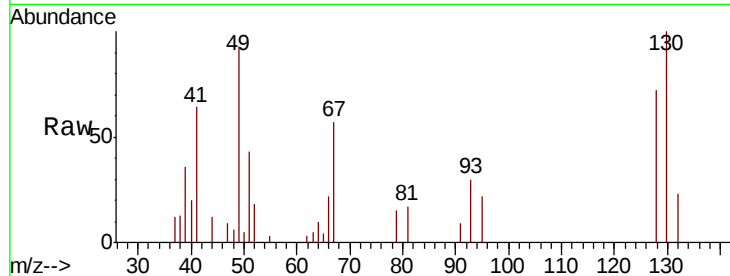




#39
Methacrylonitrile
Concen: 1.409 ug/l
RT: 5.03 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

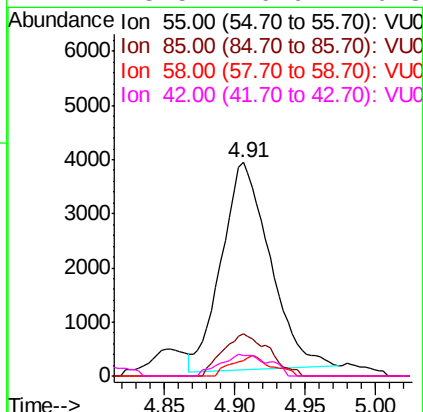
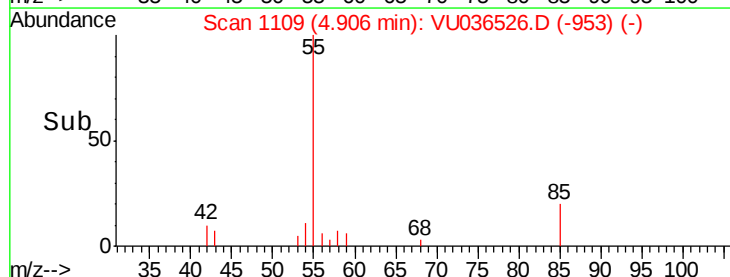
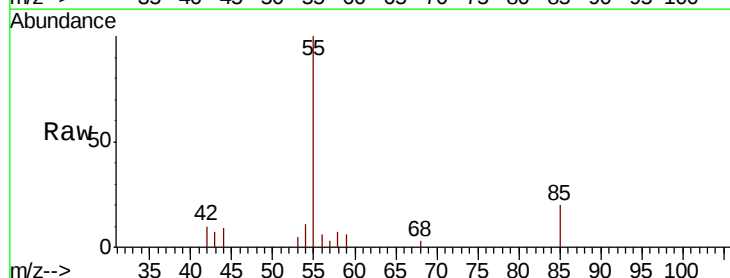
Instrument :
MSVOA_U
ClientSampled :

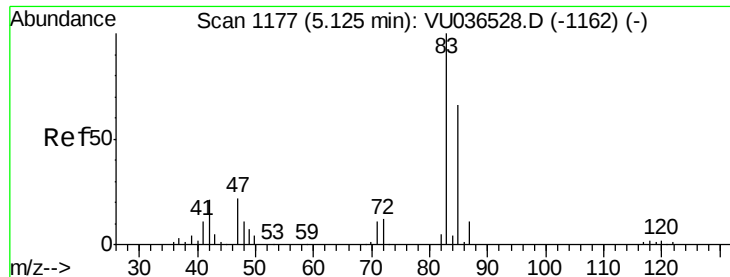
Tot Ion:	41	Resp:	5559
Ion	Ratio	Lower	Upper
41	100		
67	89.3	69.6	104.4
39	54.7	41.6	62.4
52	29.9	25.9	38.9



#40
Methyl acrylate
Concen: 1.576 ug/l
RT: 4.91 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion:	55	Resp:	9226
Ion	Ratio	Lower	Upper
55	100		
85	19.3	14.7	22.1
58	7.8	7.1	10.7
42	8.5	6.9	10.3

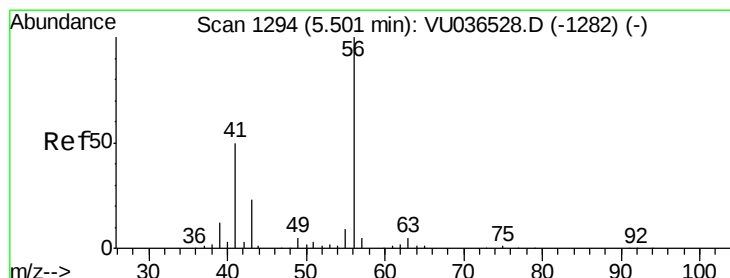
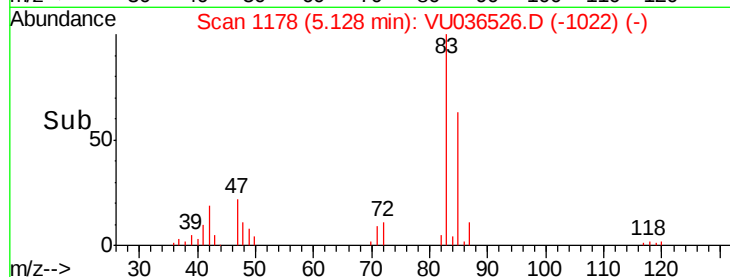
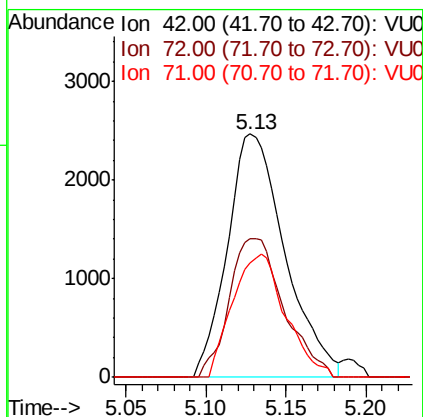
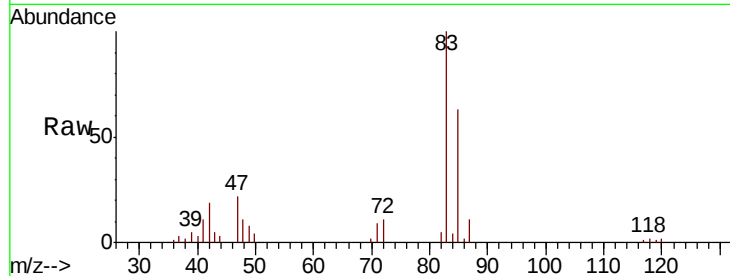




#41
Tetrahydrofuran
Concen: 2.976 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

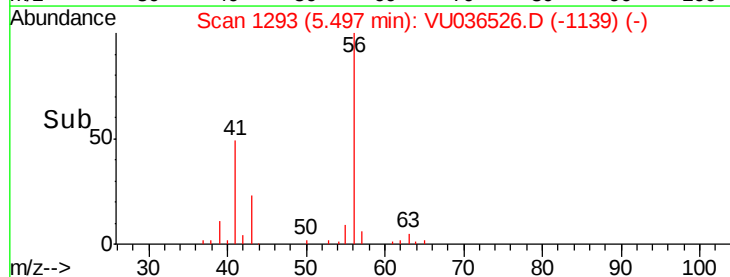
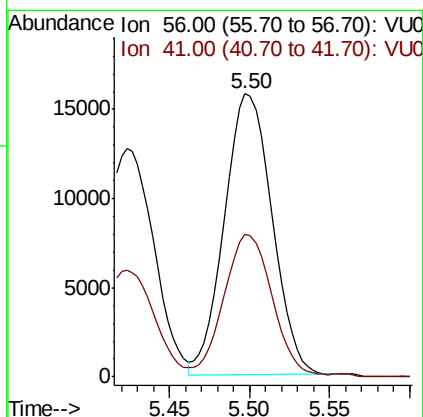
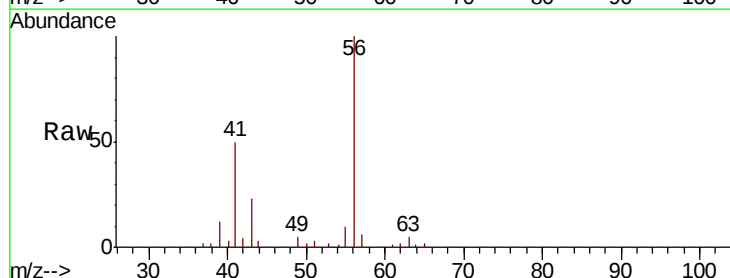
Instrument :
MSVOA_U
ClientSampleId :

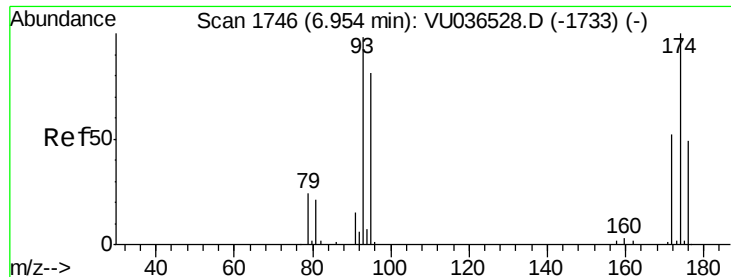
Tot Ion: 42 Resp: 6088
Ion Ratio Lower Upper
42 100
72 53.9 42.5 63.7
71 46.4 37.3 55.9



#42
1-Chlorobutane
Concen: 1.501 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 56 Resp: 32243
Ion Ratio Lower Upper
56 100
41 49.9 24.8 74.3

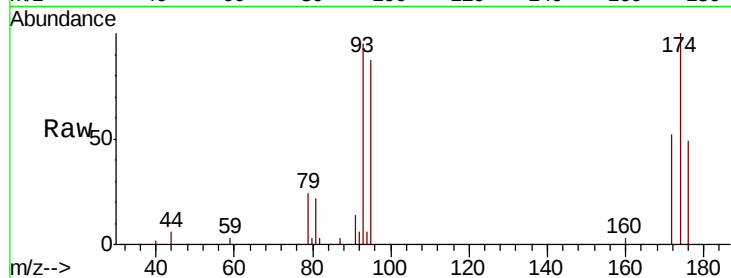




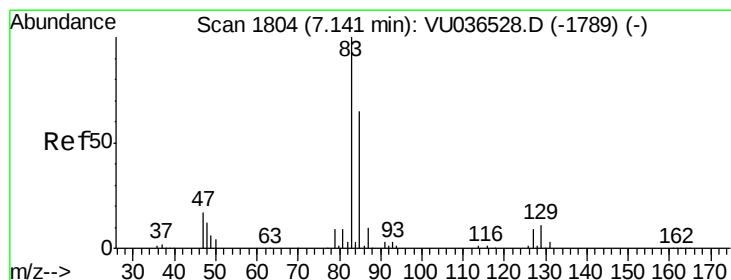
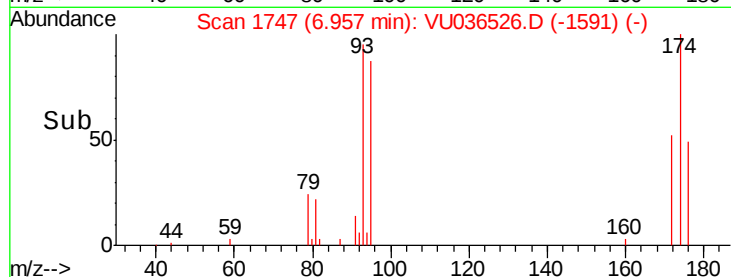
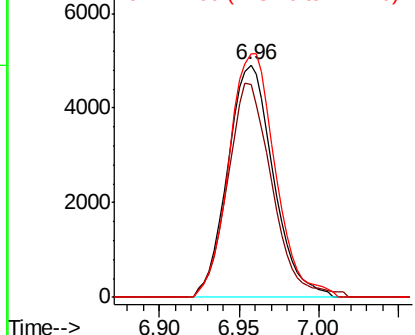
#43
Dibromomethane
Concen: 1.706 ug/l
RT: 6.96 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 93 Resp: 9544
Ion Ratio Lower Upper
93 100
95 89.6 67.9 101.9
174 106.8 83.4 125.0

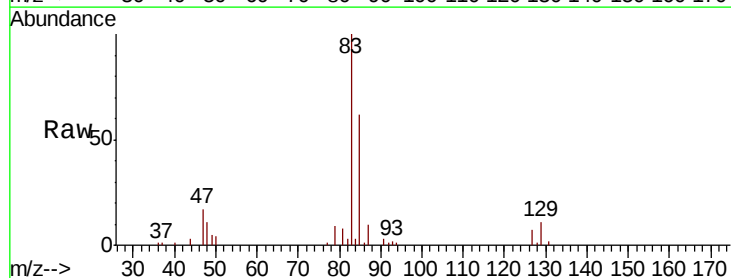


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

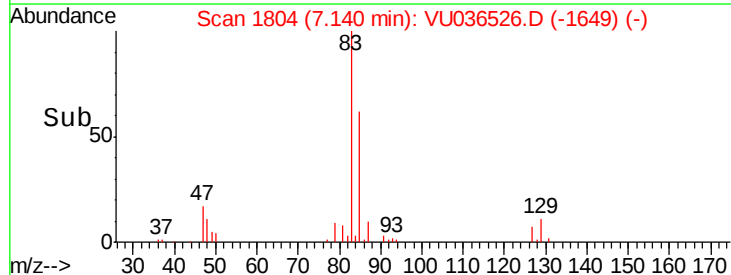
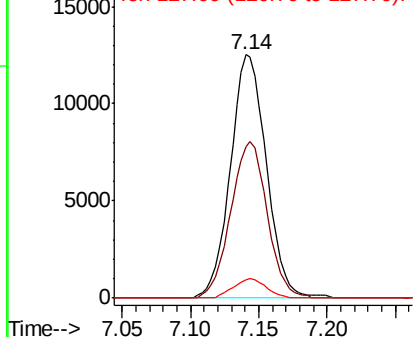


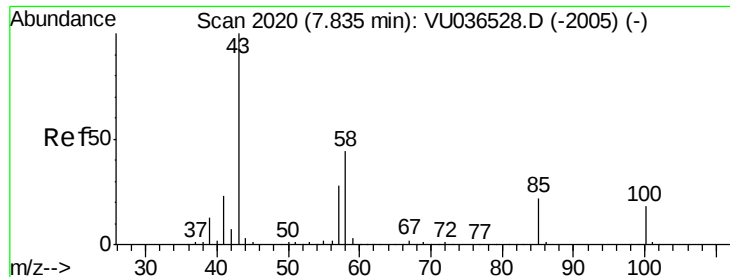
#44
Bromodichloromethane
Concen: 1.596 ug/l
RT: 7.14 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 83 Resp: 22973
Ion Ratio Lower Upper
83 100
85 62.2 51.8 77.6
127 7.5 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

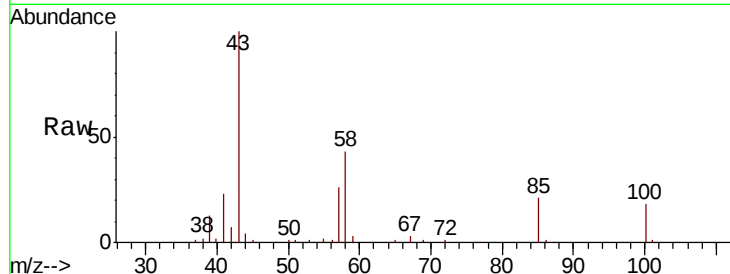




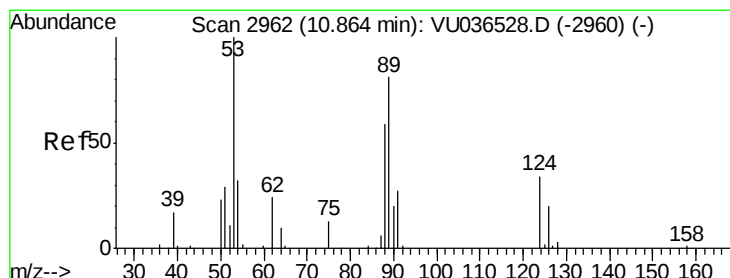
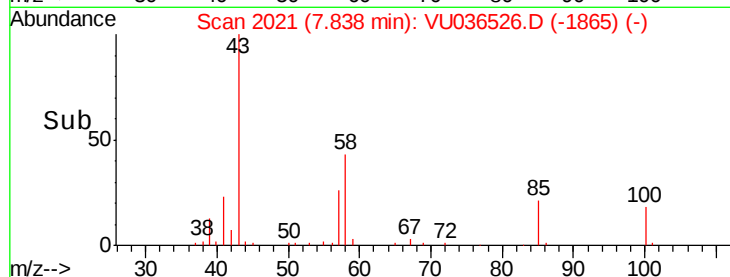
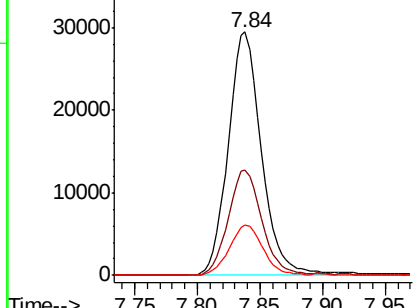
#45
4-Methyl-2-Pentanone
Concen: 7.021 ug/l
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 54313
Ion Ratio Lower Upper
43 100
58 43.7 22.1 66.1
85 21.0 17.4 26.0

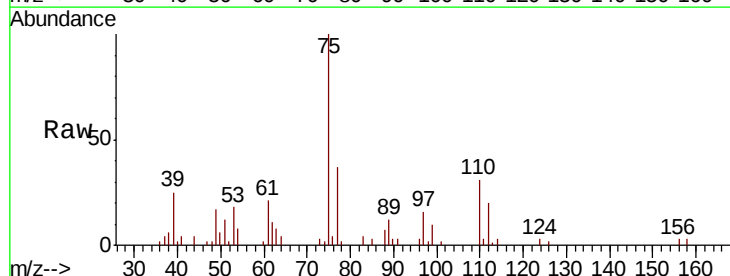


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

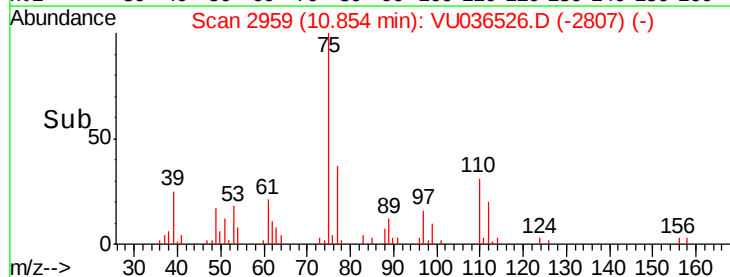
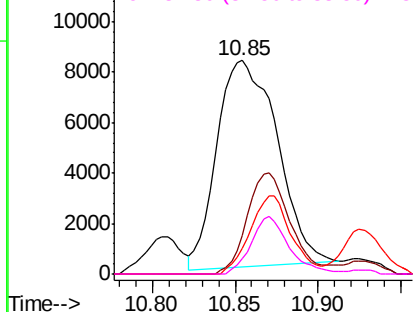


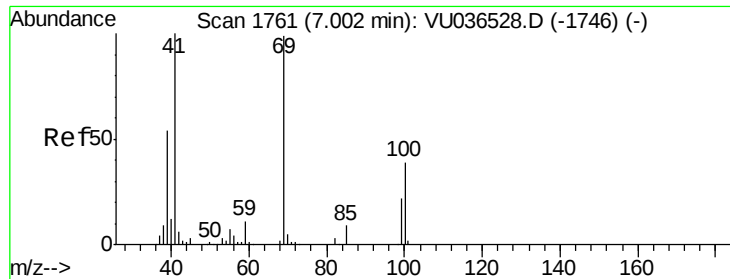
#46
t-1,4-Dichloro-2-butene
Concen: 6.580 ug/l
RT: 10.85 min Scan# 2959
Delta R.T. -0.01 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 75 Resp: 20658
Ion Ratio Lower Upper
75 100
53 35.1 52.2 78.2#
89 25.8 39.8 59.6#
88 17.5 27.4 41.2#



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

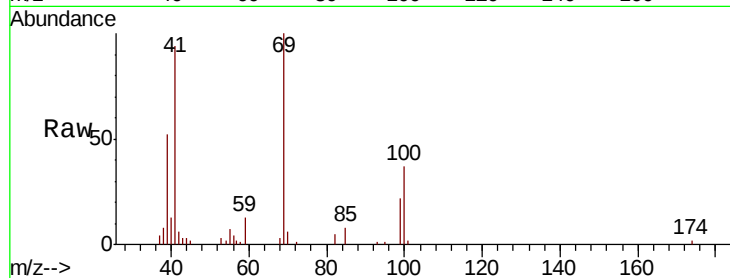




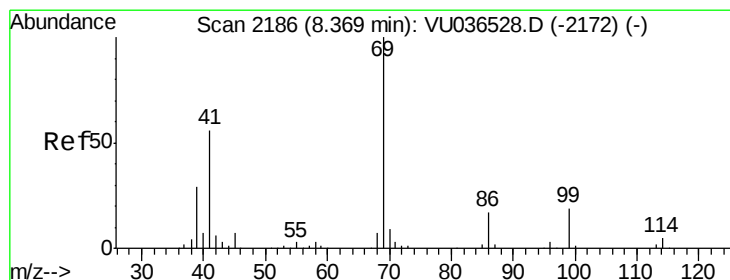
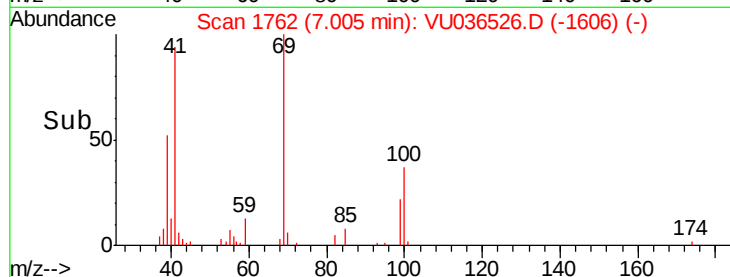
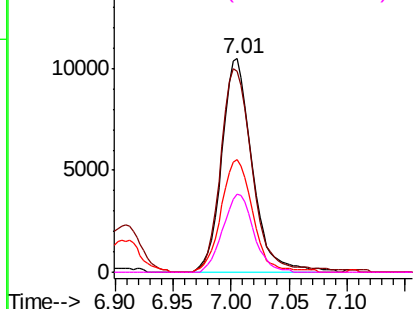
#47
Methyl methacrylate
Concen: 3.584 ug/l
RT: 7.01 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 69 Resp: 19118
Ion Ratio Lower Upper
69 100
41 97.0 0.0 200.8
39 54.0 43.5 65.3
100 36.9 31.1 46.7

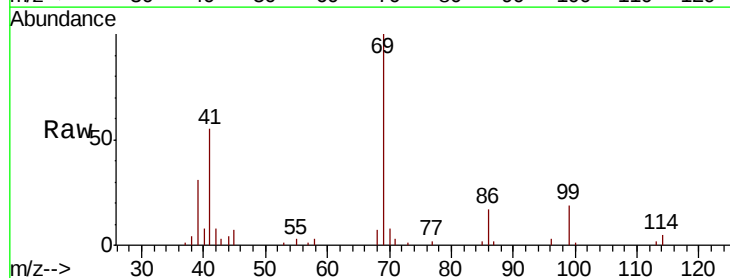


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

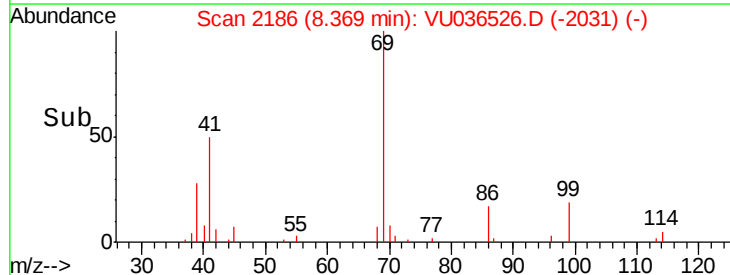
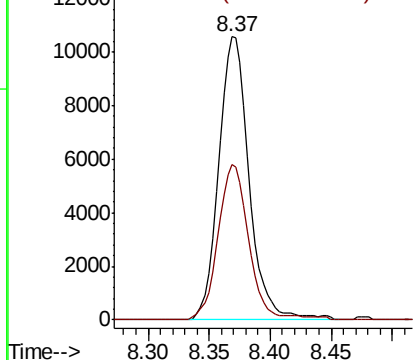


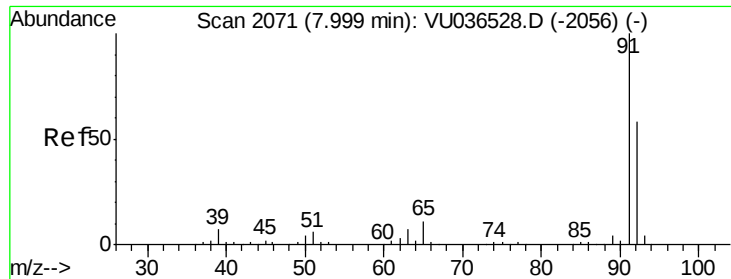
#48
Ethyl methacrylate
Concen: 1.757 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 69 Resp: 18523
Ion Ratio Lower Upper
69 100
41 55.5 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: 1.794 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

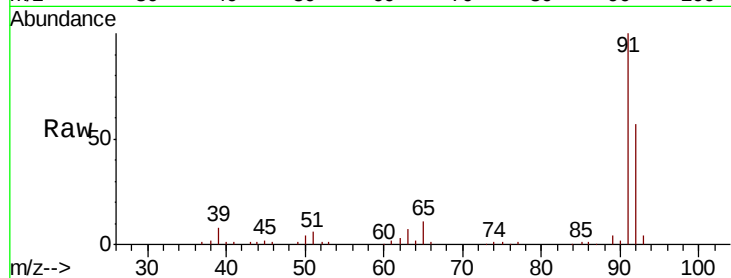
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 92 Resp: 46147

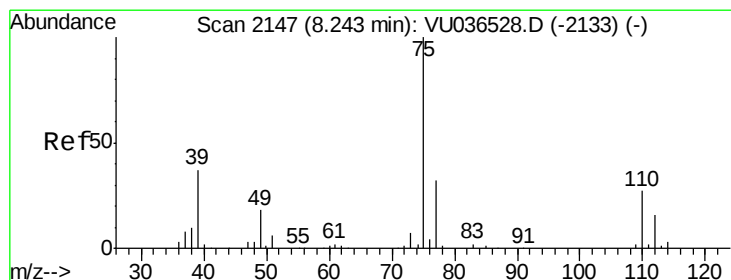
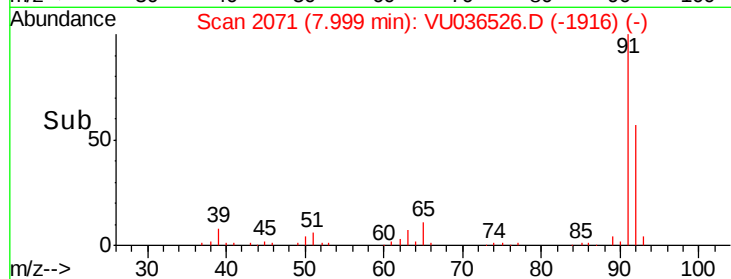
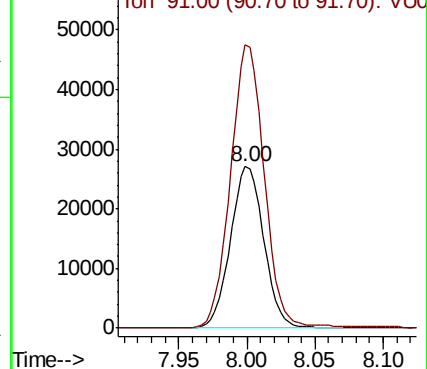
Ion Ratio Lower Upper

92 100

91 177.4 139.1 208.7



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



#50

t-1,3-Dichloropropene

Concen: 1.553 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036526.D

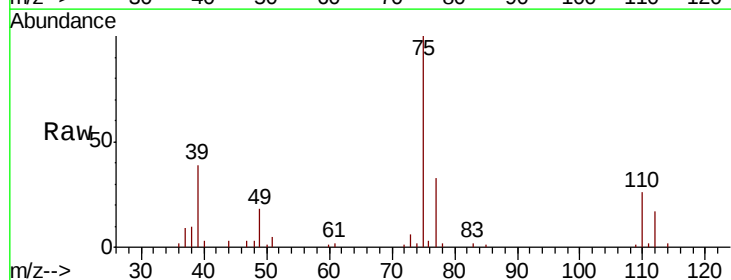
Acq: 22 Jan 2020 15:19

Tgt Ion: 75 Resp: 21948

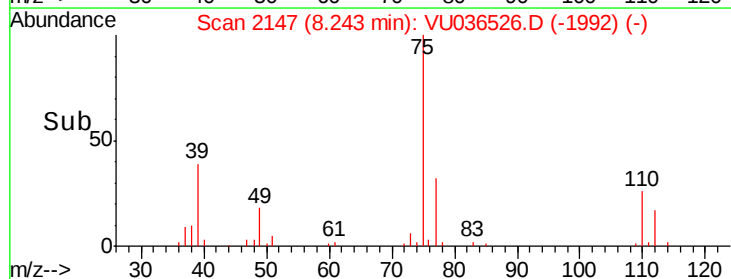
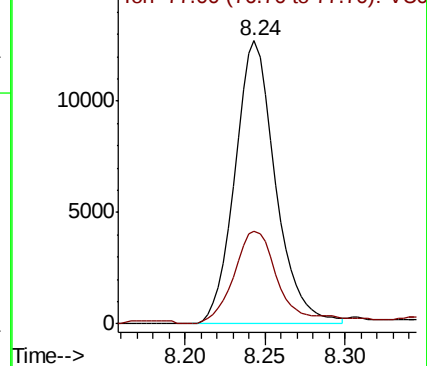
Ion Ratio Lower Upper

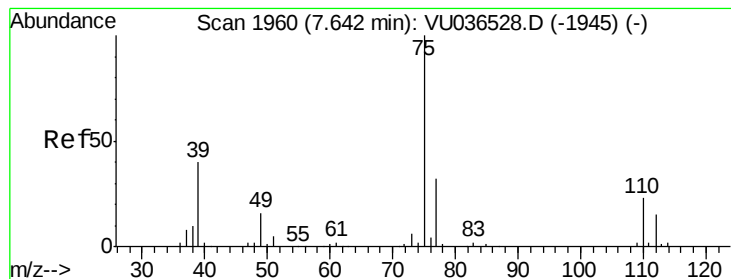
75 100

77 32.8 25.4 38.2



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



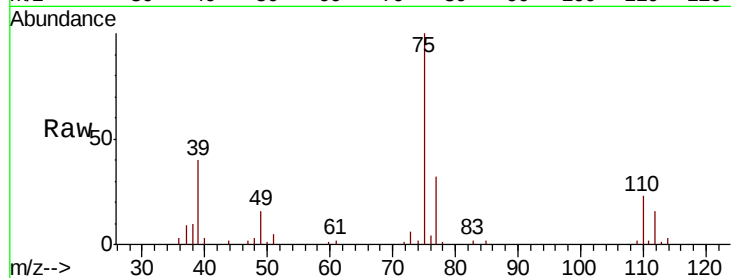


#51

cis-1,3-Dichloropropene
Concen: 1.665 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	75	Resp	27188
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	40.4	31.8	47.6

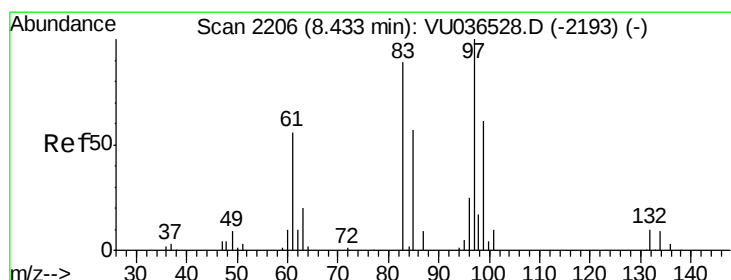
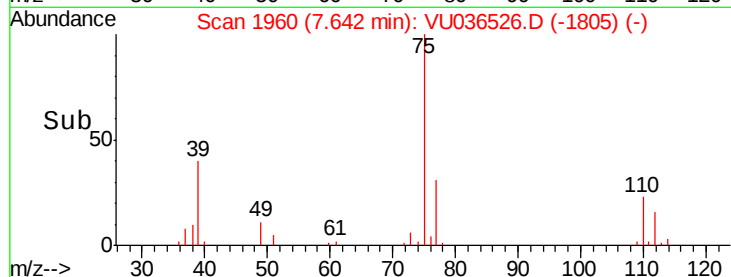
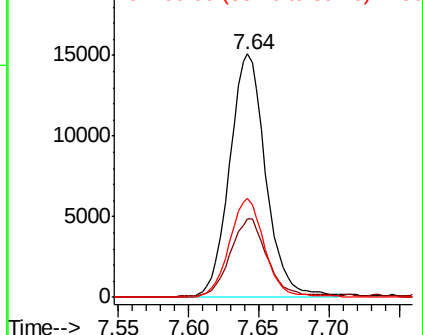


Abundance

Ion 75.00 (74.70 to 75.70): VU036526.D (-1805) (-)

Ion 77.00 (76.70 to 77.70): VU036526.D (-1805) (-)

Ion 39.00 (38.70 to 39.70): VU036526.D (-1805) (-)



#52

1,1,2-Trichloroethane
Concen: 1.866 ug/l
RT: 8.43 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion	97	Resp	13841
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.9	106.3
85	54.7	45.6	68.4
99	60.7	51.0	76.4

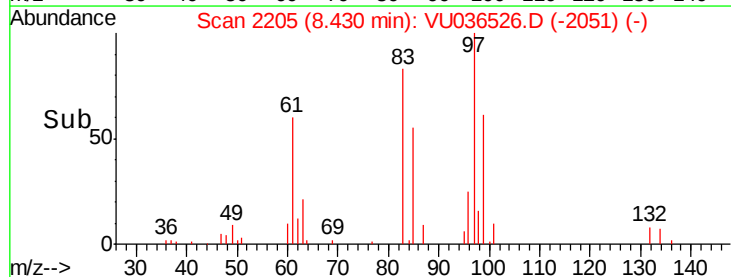
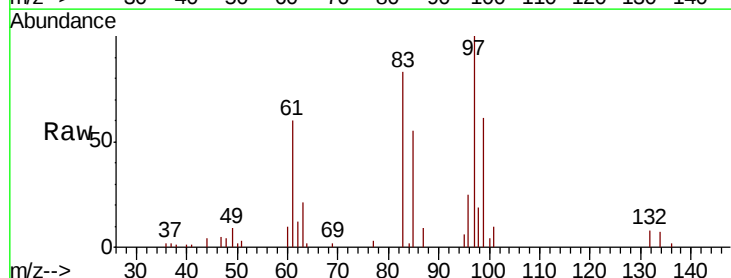
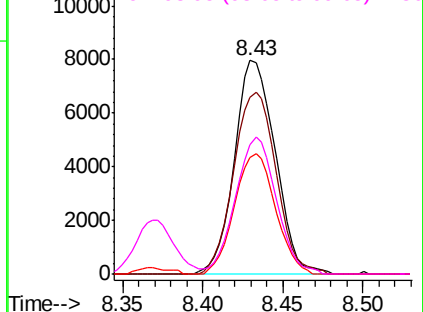
Abundance

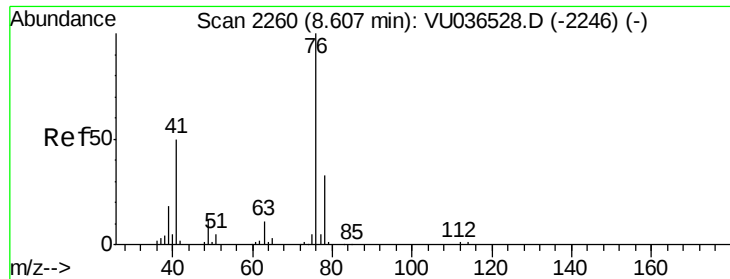
Ion 97.00 (96.70 to 97.70): VU036526.D (-2051) (-)

Ion 82.95 (82.65 to 83.65): VU036526.D (-2051) (-)

Ion 84.95 (84.65 to 85.65): VU036526.D (-2051) (-)

Ion 98.95 (98.65 to 99.65): VU036526.D (-2051) (-)

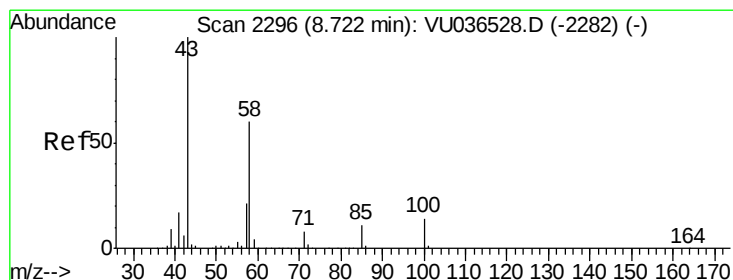
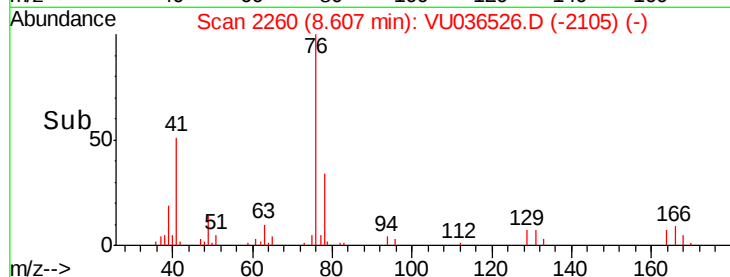
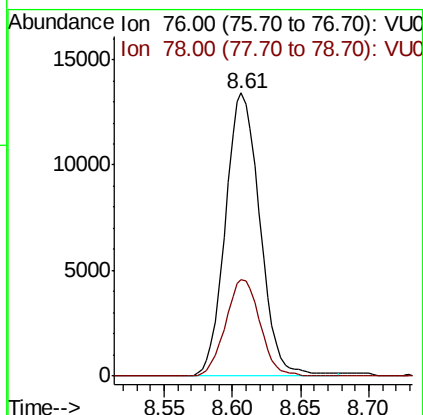
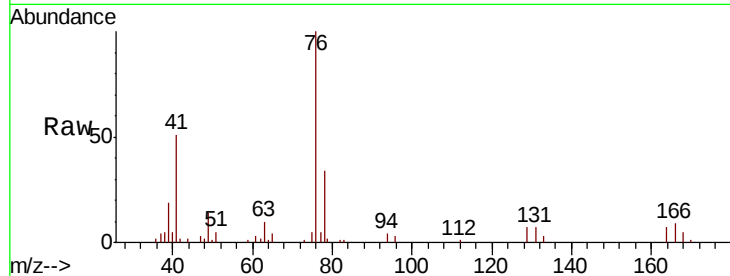




#53
 1,3-Dichloropropane
 Concen: 1.708 ug/l
 RT: 8.61 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

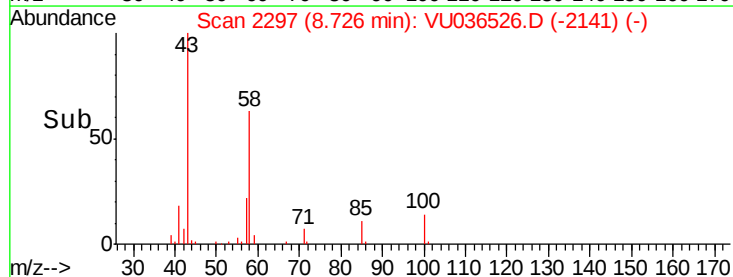
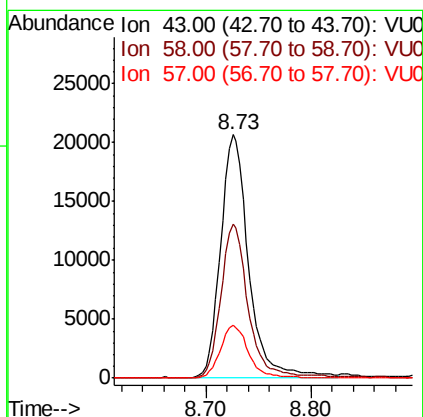
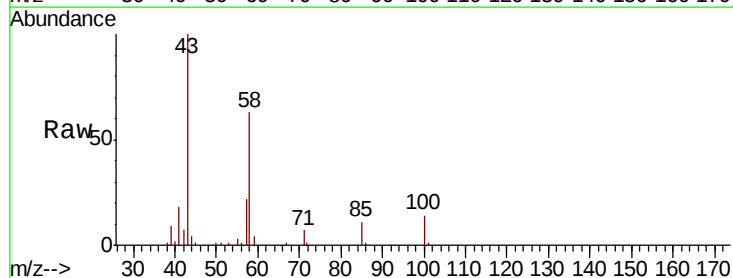
Instrument :
 MSVOA_U
 ClientSampleId :

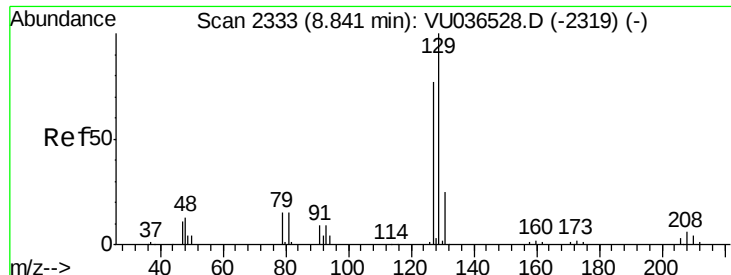
Tot Ion: 76 Resp: 23646
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.4 38.2



#54
 2-Hexanone
 Concen: 7.194 ug/l
 RT: 8.73 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 43 Resp: 38311
 Ion Ratio Lower Upper
 43 100
 58 60.8 40.6 80.6
 57 21.5 1.2 41.2





#55

Dibromochloromethane

Concen: 1.808 ug/l

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

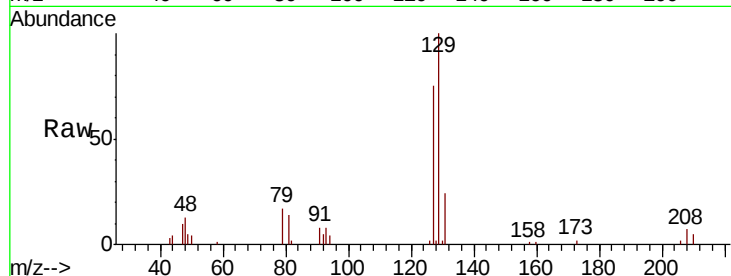
ClientSampleId :

Tot Ion:129 Resp: 15704

Ion Ratio Lower Upper

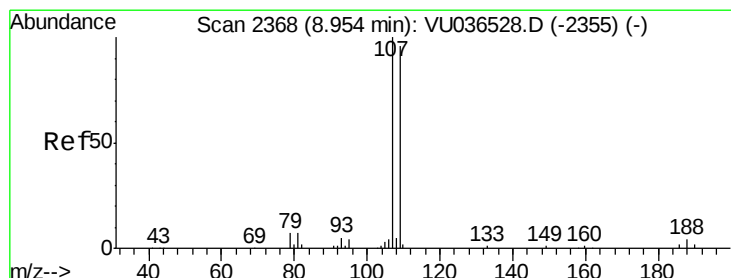
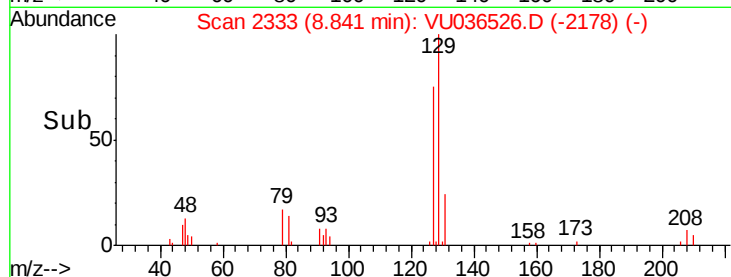
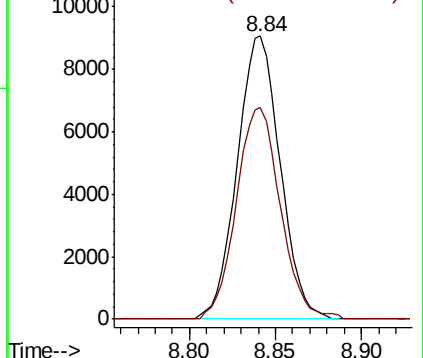
129 100

127 76.6 62.6 94.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.864 ug/l

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036526.D

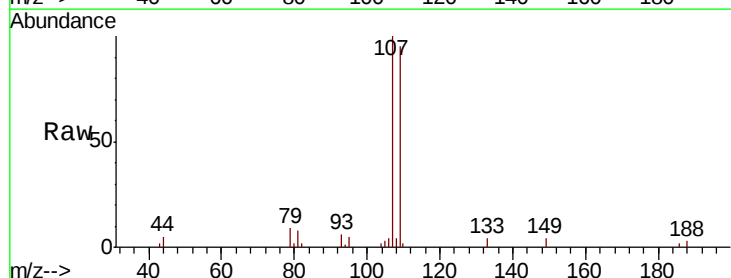
Acq: 22 Jan 2020 15:19

Tgt Ion:107 Resp: 13591

Ion Ratio Lower Upper

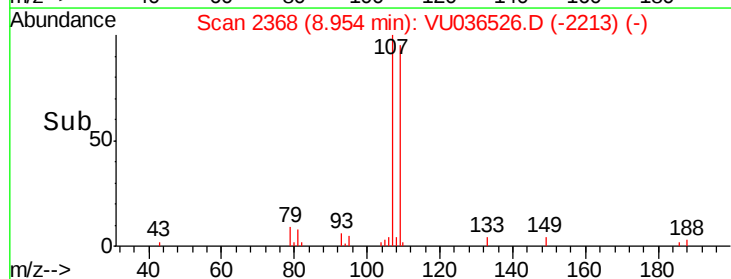
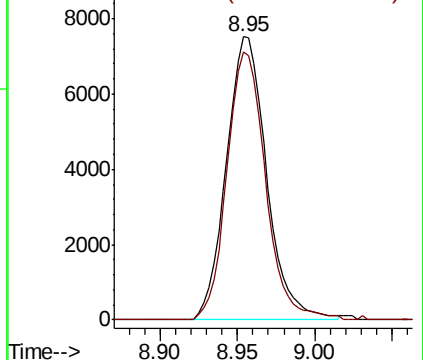
107 100

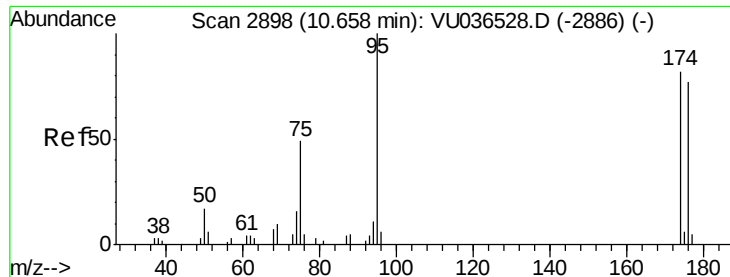
109 90.8 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.979 ug/l

RT: 10.66 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampled :

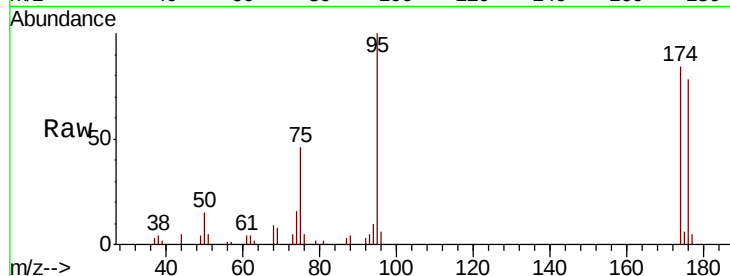
Tot Ion: 95 Resp: 13575

Ion Ratio Lower Upper

95 100

174 80.7 64.7 97.1

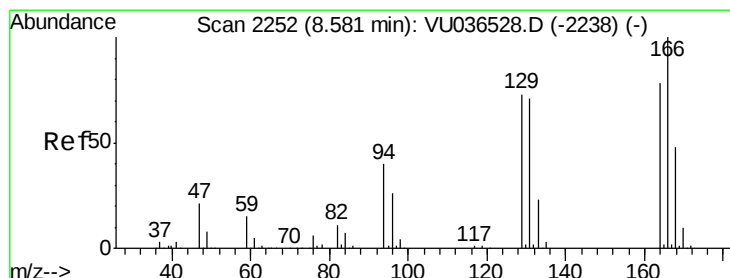
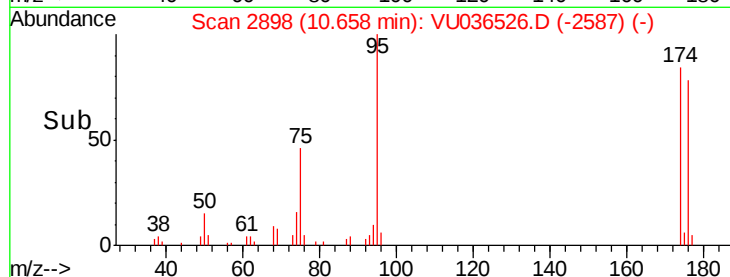
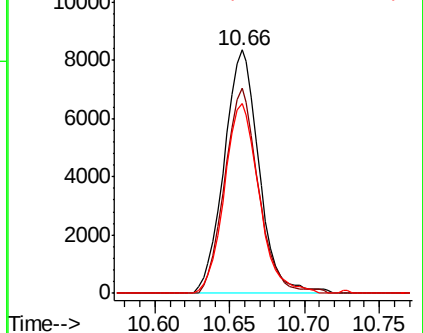
176 77.6 60.6 91.0



Abundance Ion 95.00 (94.70 to 95.70): VU036526.D (-2886) (-)

Ion 174.00 (173.70 to 174.70): VU036526.D (-2886) (-)

Ion 176.00 (175.70 to 176.70): VU036526.D (-2886) (-)



#58

Tetrachloroethene

Concen: 2.799 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Tgt Ion: 164 Resp: 23284

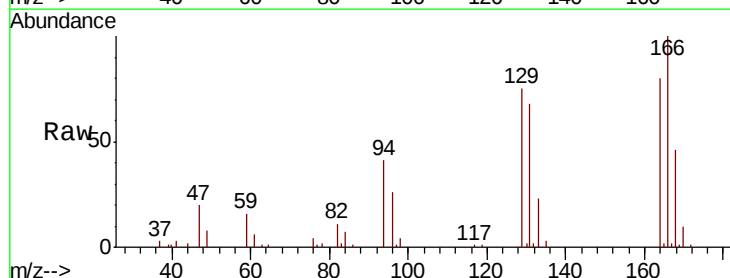
Ion Ratio Lower Upper

164 100

166 125.8 102.0 153.0

129 94.6 74.9 112.3

131 86.1 72.6 108.8

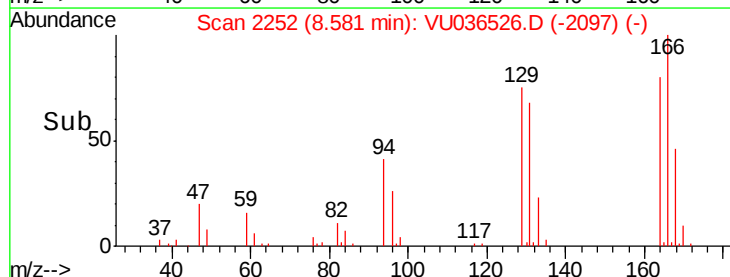
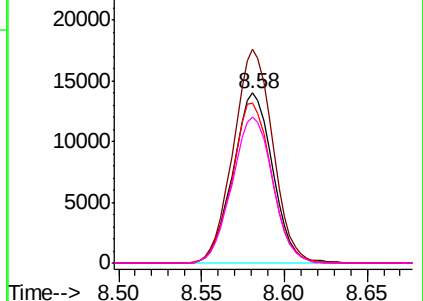


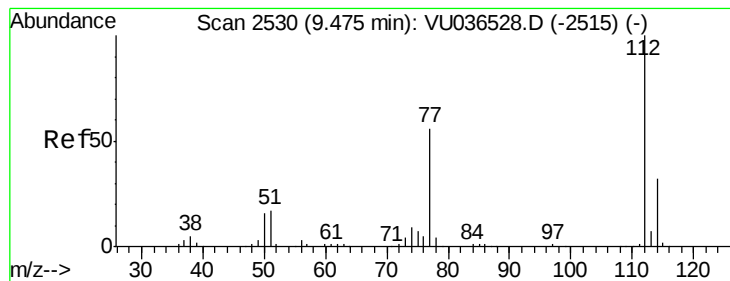
Abundance Ion 163.85 (163.55 to 164.55): VU036526.D (-2097) (-)

Ion 165.80 (165.50 to 166.50): VU036526.D (-2097) (-)

Ion 128.90 (128.60 to 129.60): VU036526.D (-2097) (-)

Ion 130.90 (130.60 to 131.60): VU036526.D (-2097) (-)





#59

Chlorobenzene

Concen: 1.923 ug/l

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

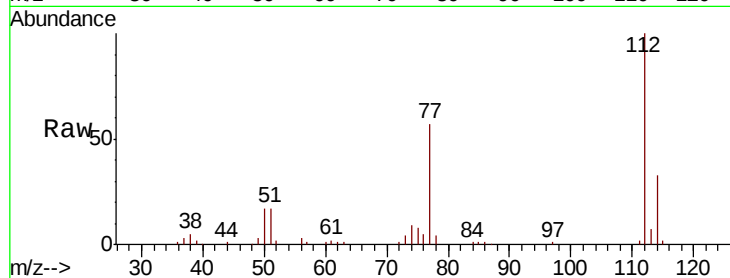
ClientSampleId :

Tot Ion:112 Resp: 52208

Ion Ratio Lower Upper

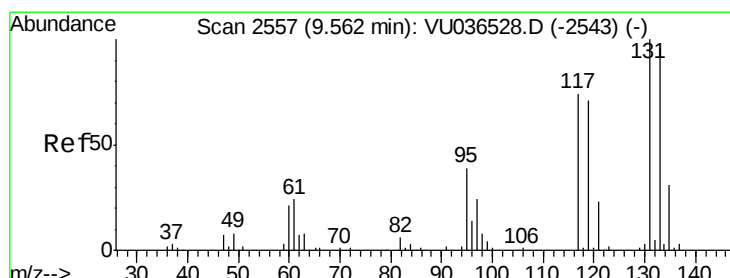
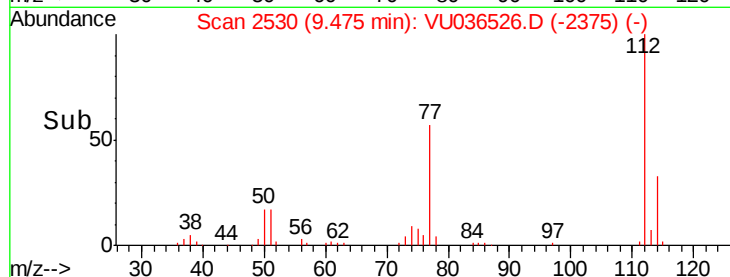
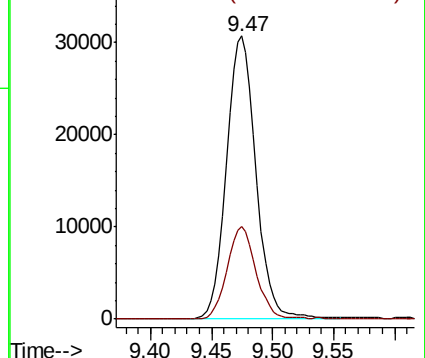
112 100

114 32.5 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.809 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

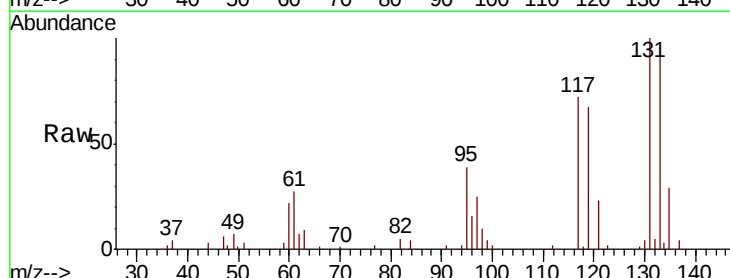
Tgt Ion:131 Resp: 16633

Ion Ratio Lower Upper

131 100

133 94.0 76.4 114.6

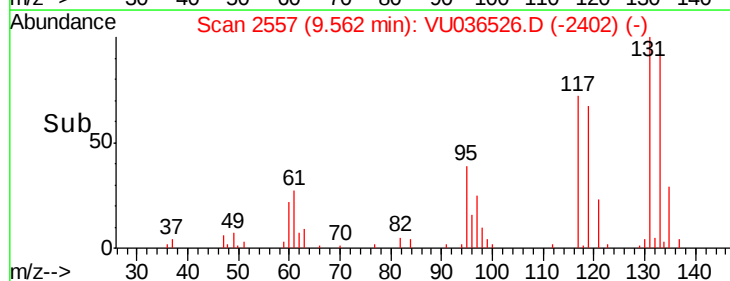
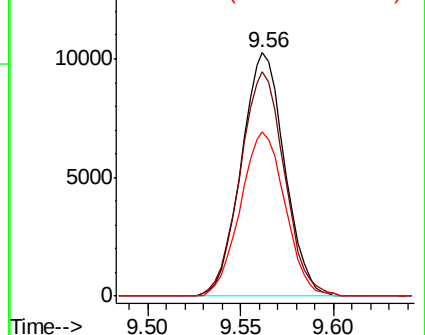
119 69.4 56.6 85.0

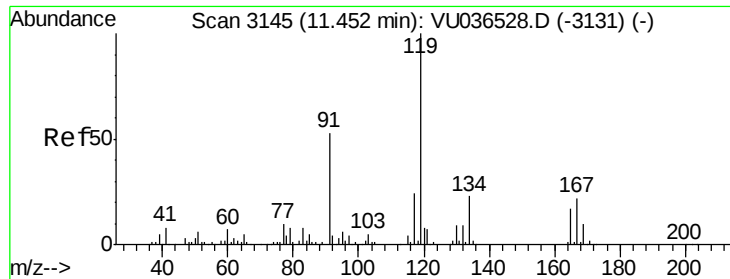


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

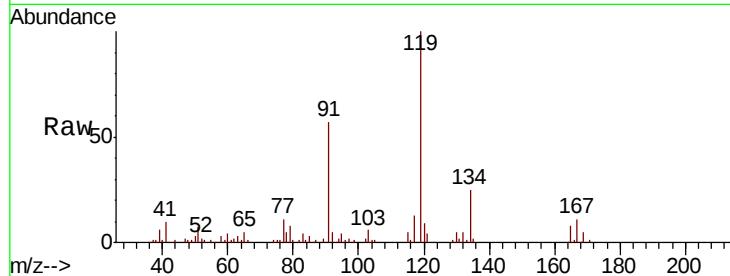




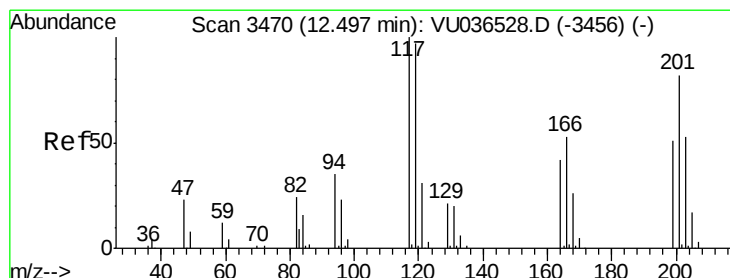
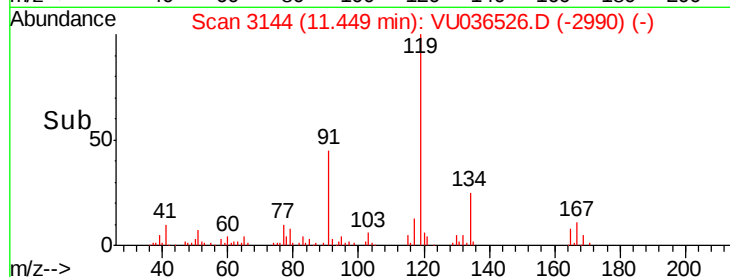
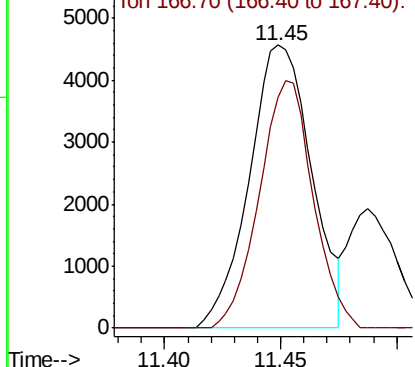
#61
 Pentachloroethane
 Concen: 1.131 ug/l
 RT: 11.45 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:117 Resp: 8557
 Ion Ratio Lower Upper
 117 100
 167 75.1 66.7 100.1

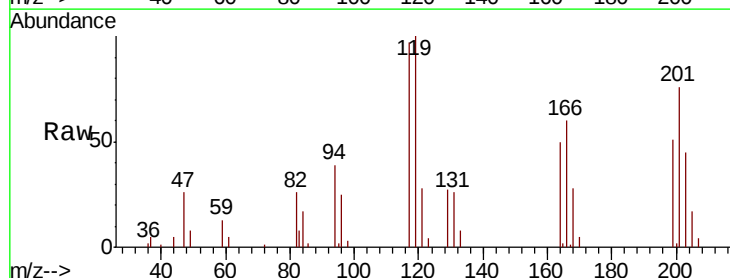


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V

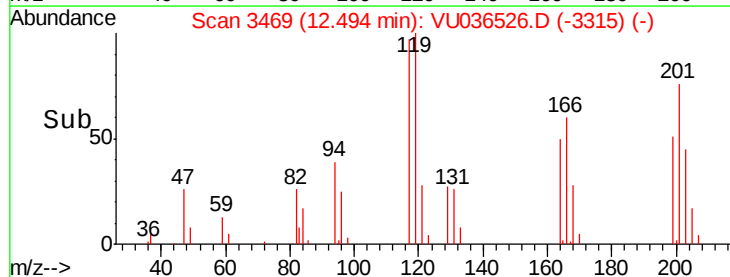
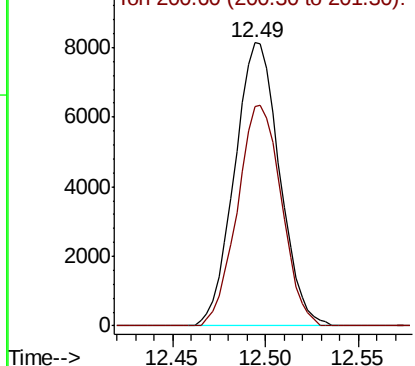


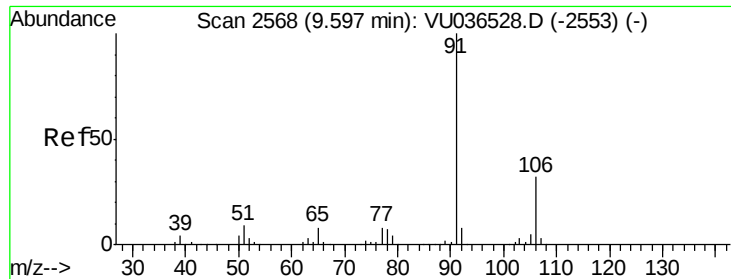
#62
 Hexachloroethane
 Concen: 1.724 ug/l
 RT: 12.49 min Scan# 3469
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion:117 Resp: 13695
 Ion Ratio Lower Upper
 117 100
 201 76.3 65.0 97.4



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

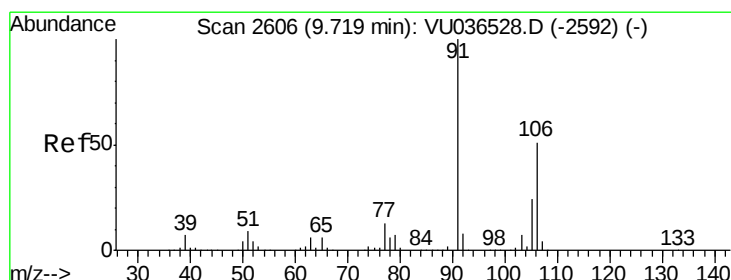
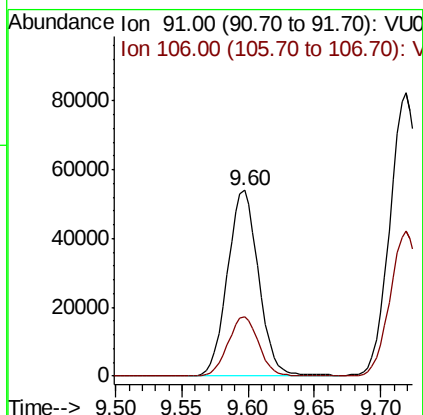
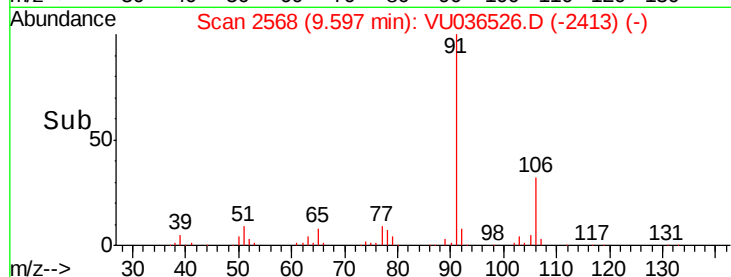
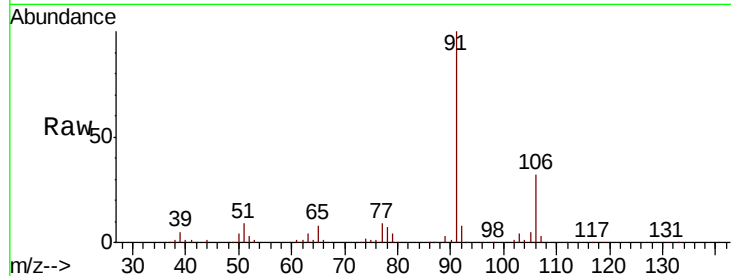




#63
Ethyl Benzene
Concen: 1.788 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

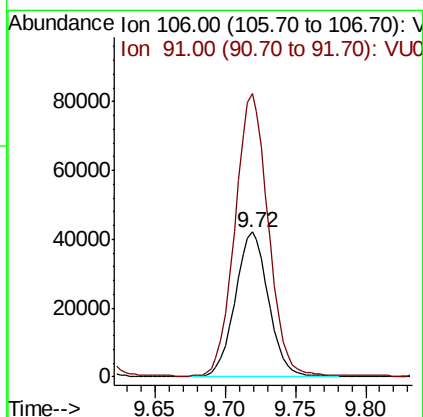
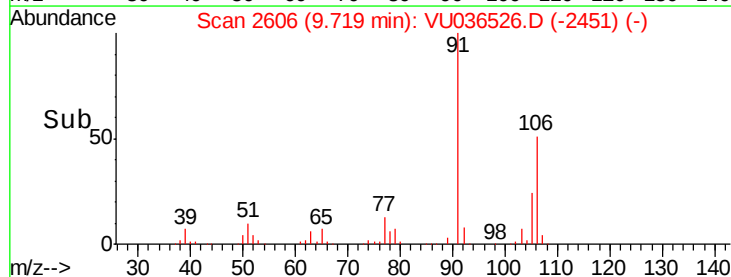
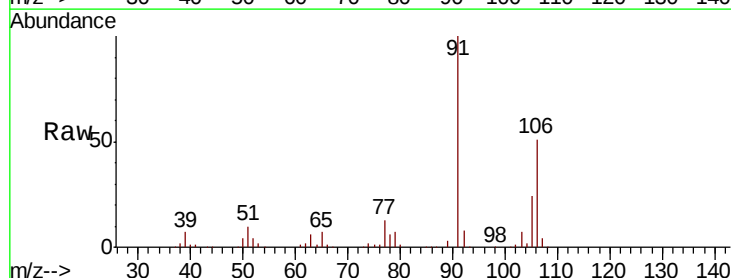
Instrument :
MSVOA_U
ClientSampled :

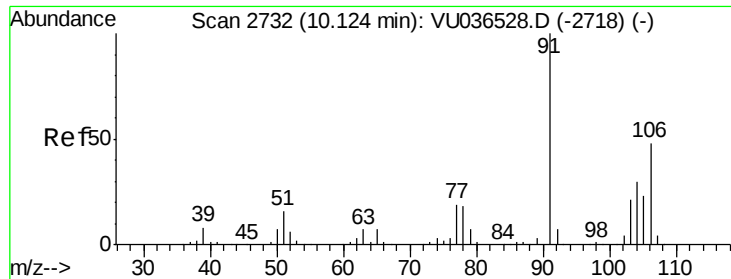
Tot Ion: 91 Resp: 88258
Ion Ratio Lower Upper
91 100
106 32.2 26.0 39.0



#64
m/p-Xylenes
Concen: 3.833 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion: 106 Resp: 69983
Ion Ratio Lower Upper
106 100
91 194.0 158.2 237.4

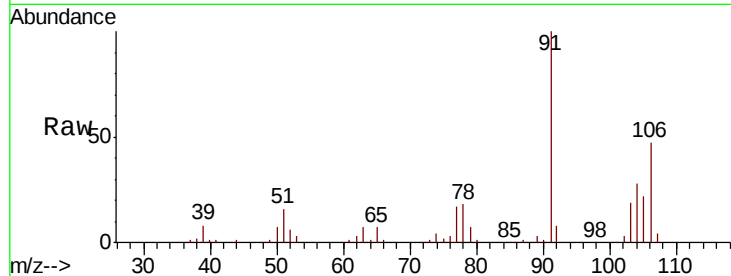




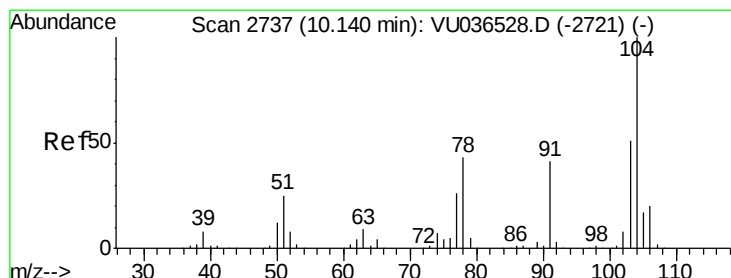
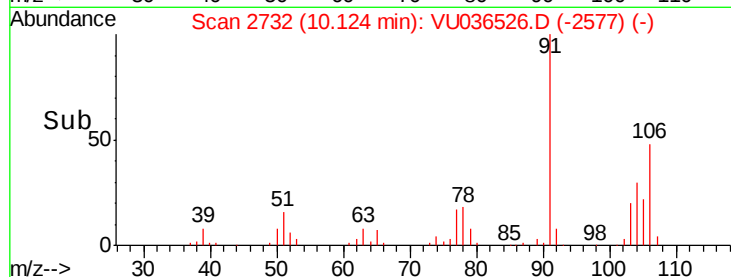
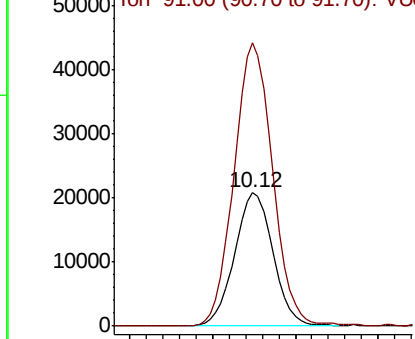
#65
o-Xylene
Concen: 1.882 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 33538
Ion Ratio Lower Upper
106 100
91 213.2 104.3 312.9

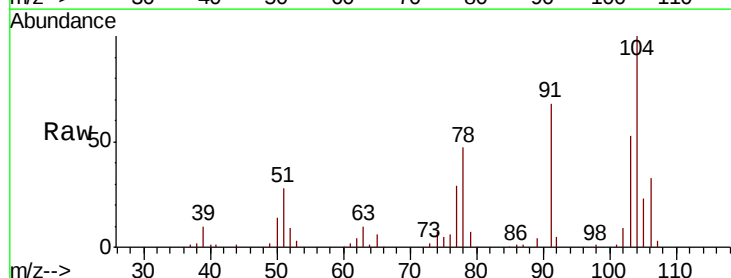


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

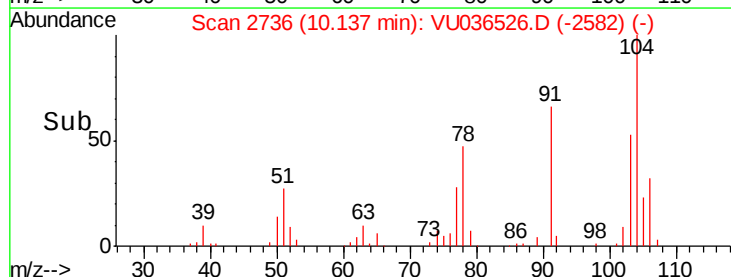
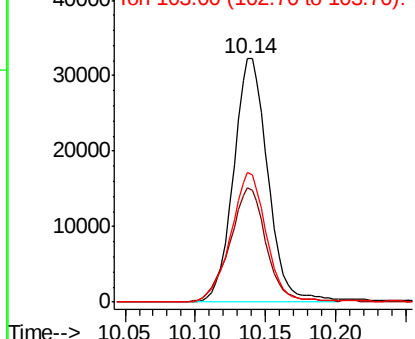


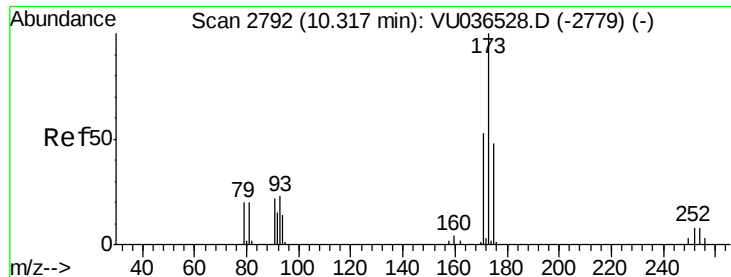
#66
Styrene
Concen: 1.872 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion:104 Resp: 55038
Ion Ratio Lower Upper
104 100
78 49.9 38.6 57.8
103 55.2 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

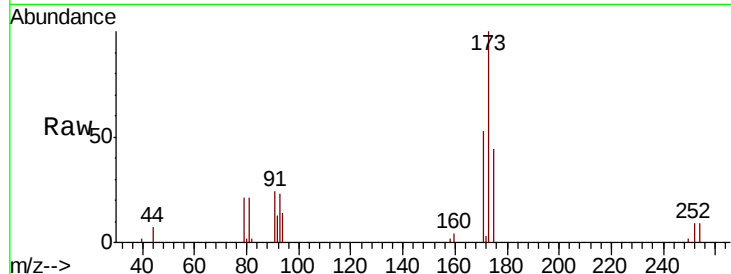




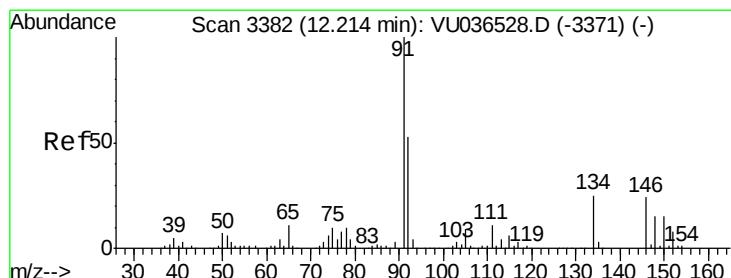
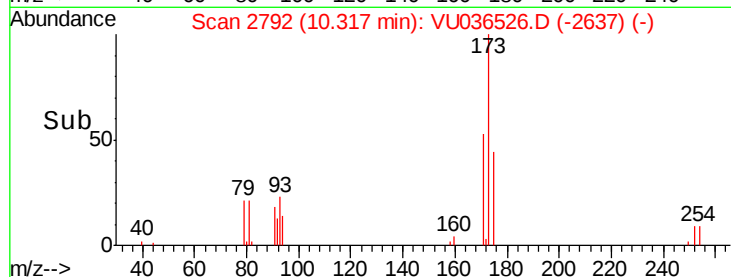
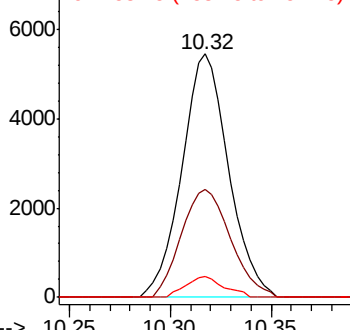
#67
Bromoform
Concen: 2.051 ug/l
RT: 10.32 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 8821
Ion Ratio Lower Upper
173 100
175 46.8 38.3 57.5
254 7.1 6.6 9.8

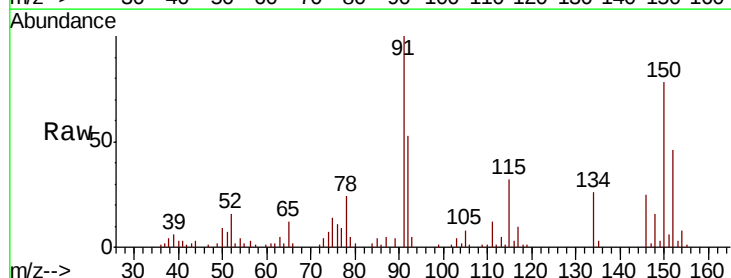


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

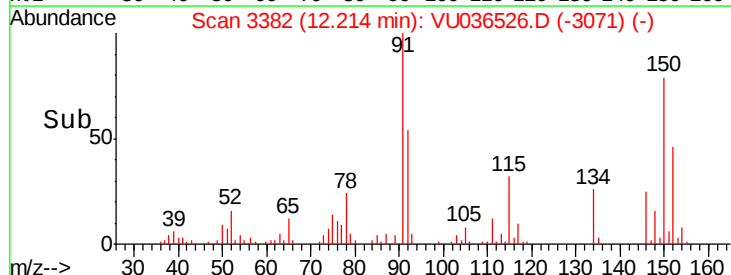
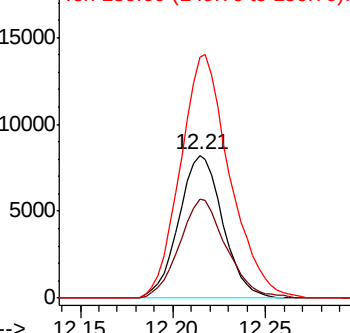


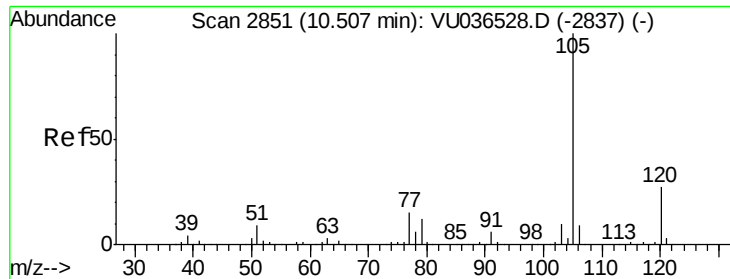
#68
1,2-Dichlorobenzene-d4
Concen: 1.115 ug/l
RT: 12.21 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion:152 Resp: 13538
Ion Ratio Lower Upper
152 100
115 73.5 0.0 241.8
150 191.0 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: 1.839 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

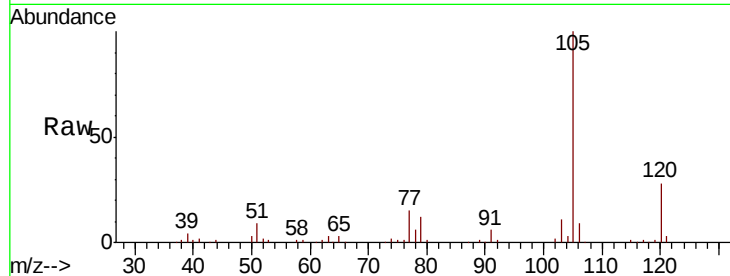
ClientSampled :

Tot Ion:105 Resp: 88095

Ion Ratio Lower Upper

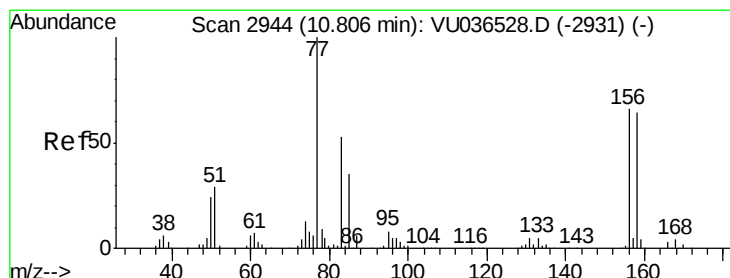
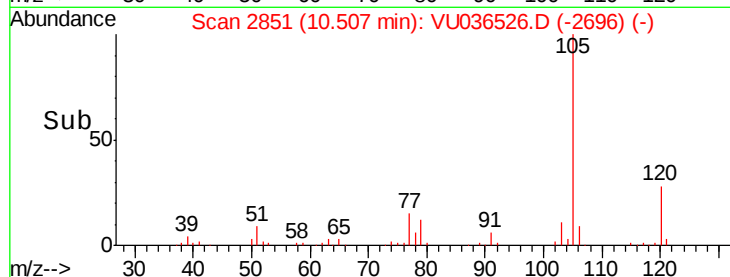
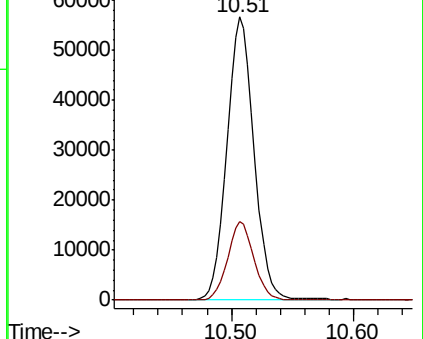
105 100

120 26.7 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: 1.745 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

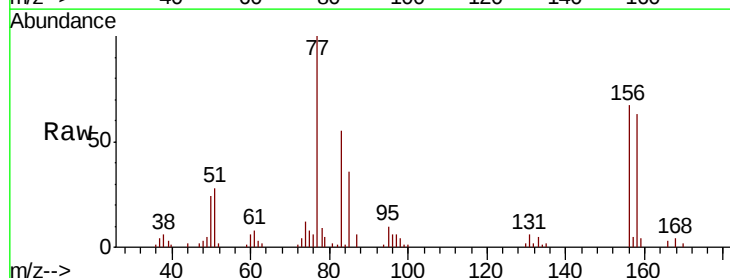
Tgt Ion: 83 Resp: 17440

Ion Ratio Lower Upper

83 100

131 9.9 7.8 11.8

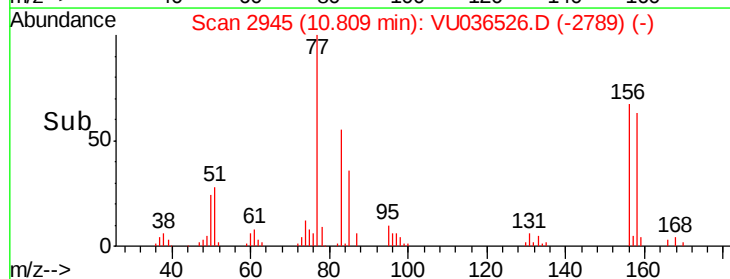
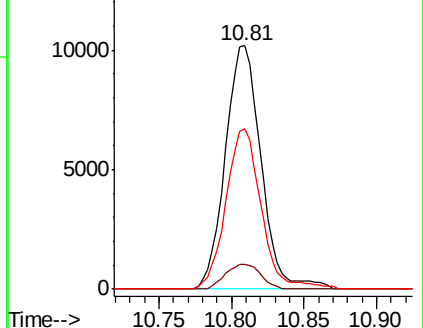
85 64.7 53.2 79.8

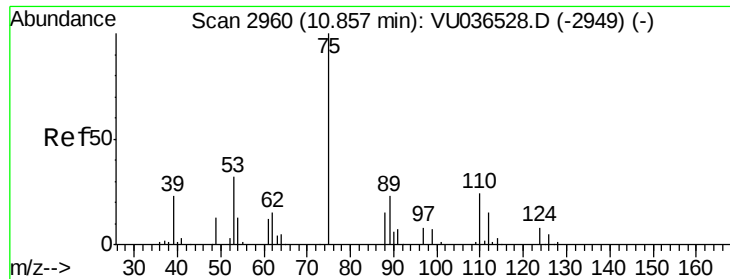


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71

1,2,3-Trichloropropane

Concen: 2.710 ug/l

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 75 Resp: 20658

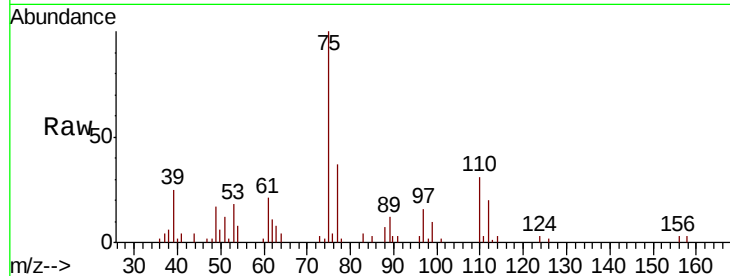
Ion Ratio Lower Upper

75 100

77 36.4 0.0 129.6

110 22.0 0.0 77.4

97 12.3 0.0 42.0

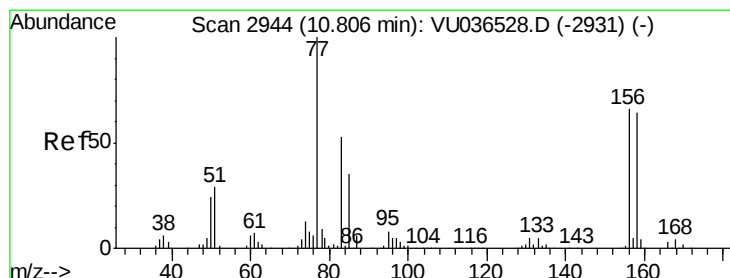
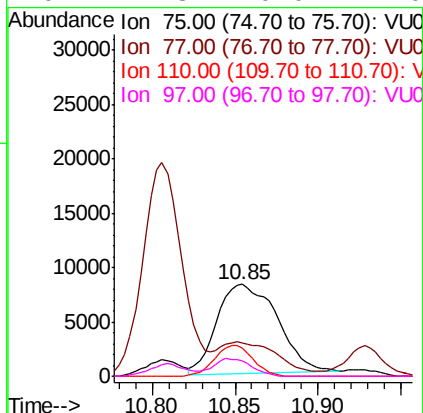
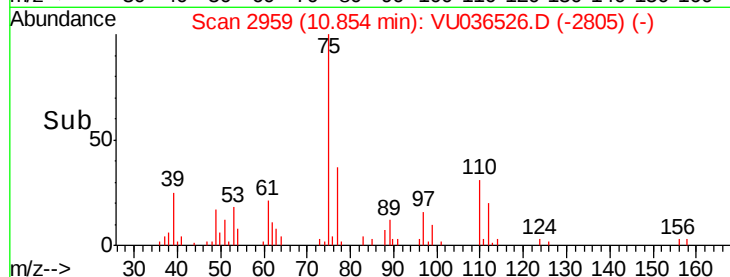


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 2.097 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

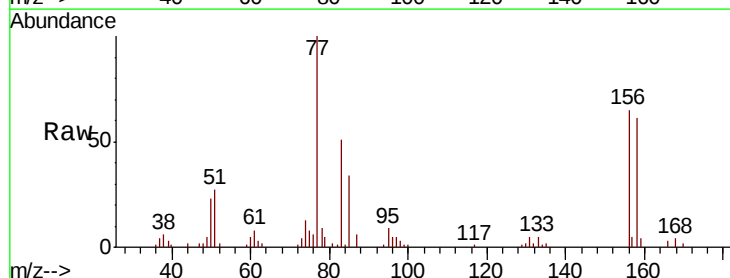
Tgt Ion: 156 Resp: 21261

Ion Ratio Lower Upper

156 100

77 152.6 0.0 306.6

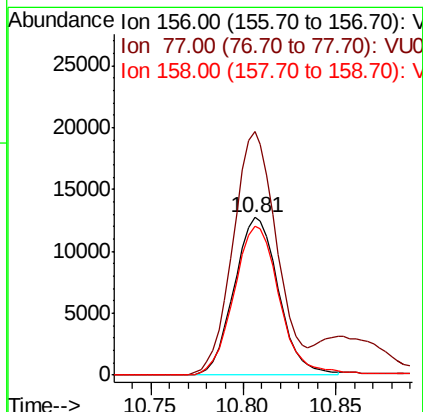
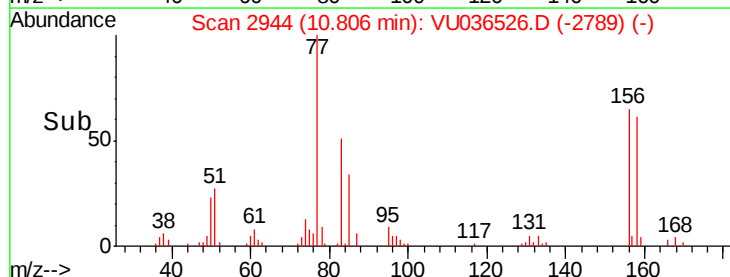
158 96.9 0.0 192.0

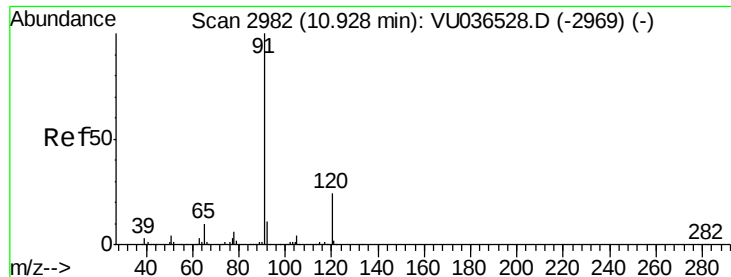


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.950 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

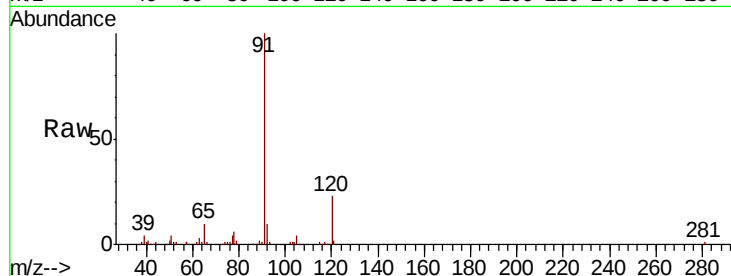
ClientSampleId :

Tot Ion:120 Resp: 25048

Ion Ratio Lower Upper

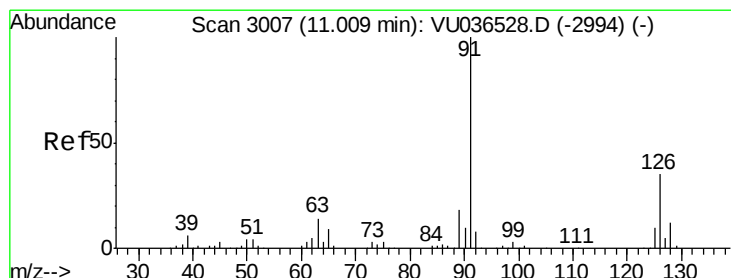
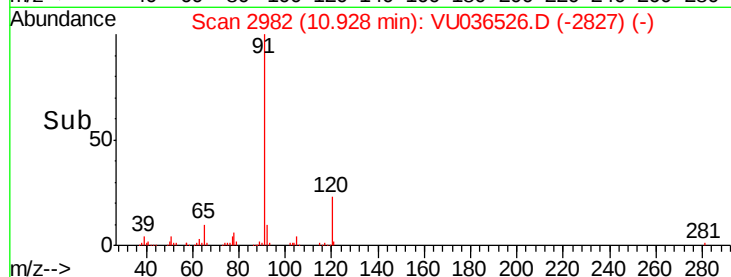
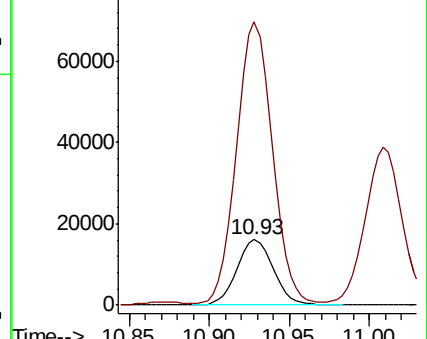
120 100

91 422.6 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.983 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036526.D

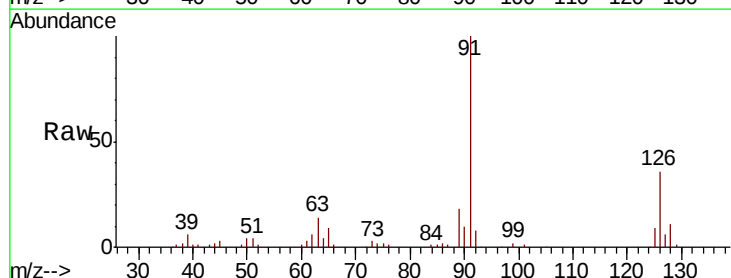
Acq: 22 Jan 2020 15:19

Tgt Ion:126 Resp: 21848

Ion Ratio Lower Upper

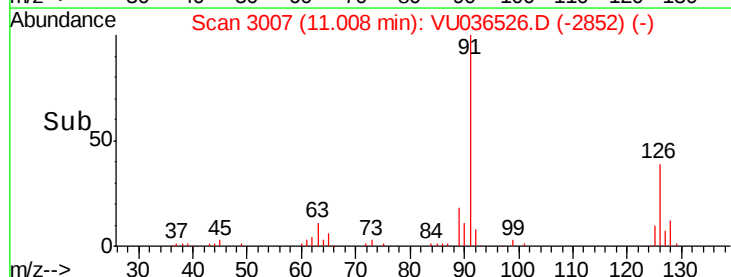
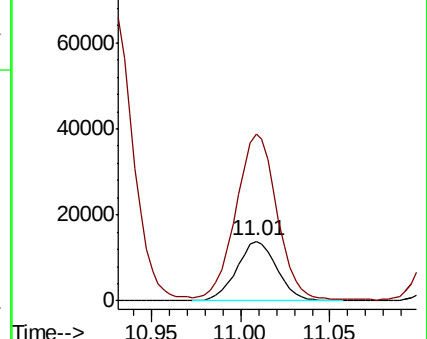
126 100

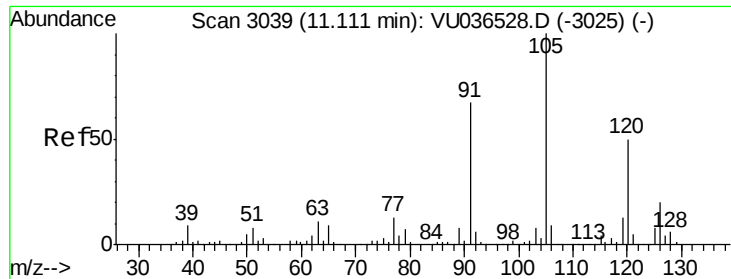
91 284.7 0.0 567.4



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: 1.856 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

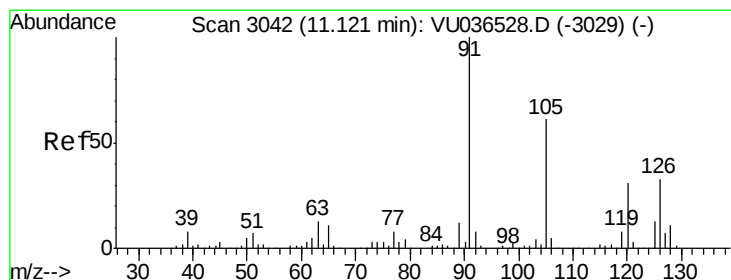
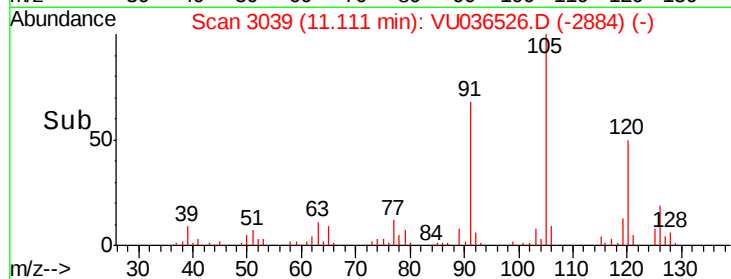
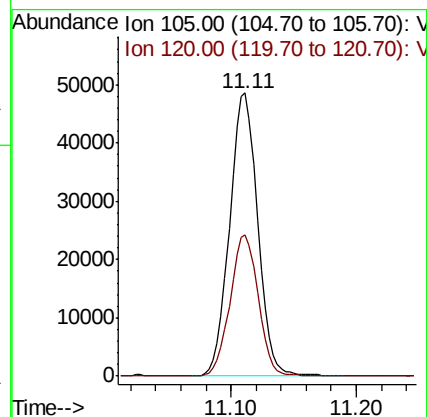
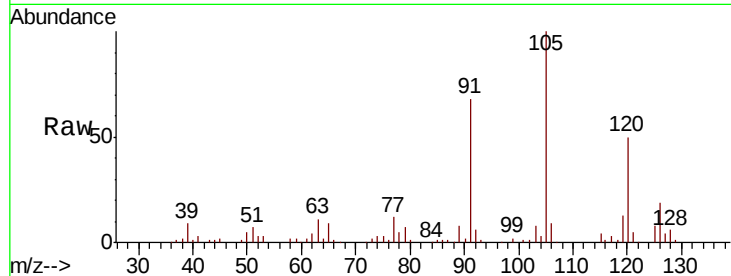
ClientSampleId :

Tot Ion:105 Resp: 75432

Ion Ratio Lower Upper

105 100

120 50.0 39.8 59.8



#76

4-Chlorotoluene

Concen: 1.964 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036526.D

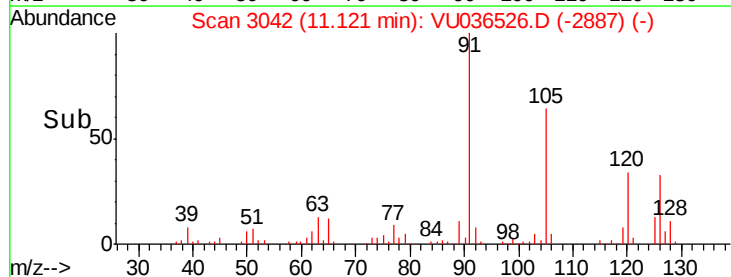
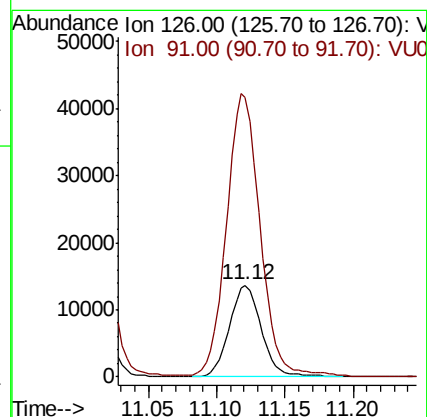
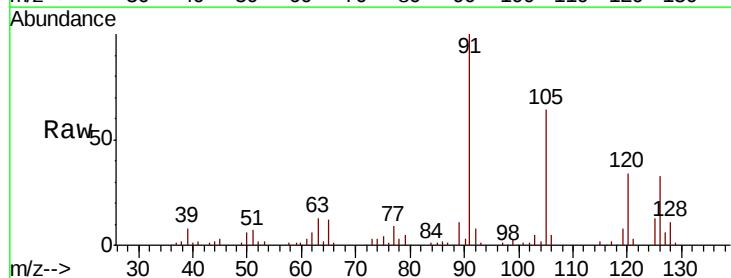
Acq: 22 Jan 2020 15:19

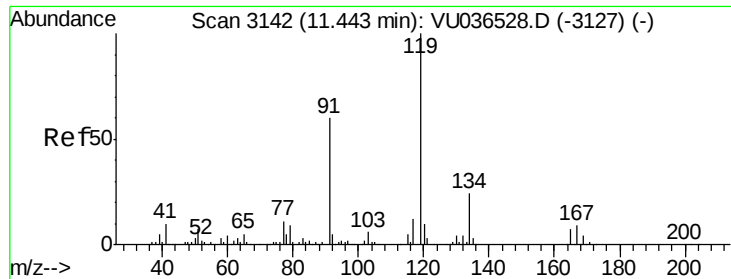
Tgt Ion:126 Resp: 22278

Ion Ratio Lower Upper

126 100

91 326.7 0.0 633.0

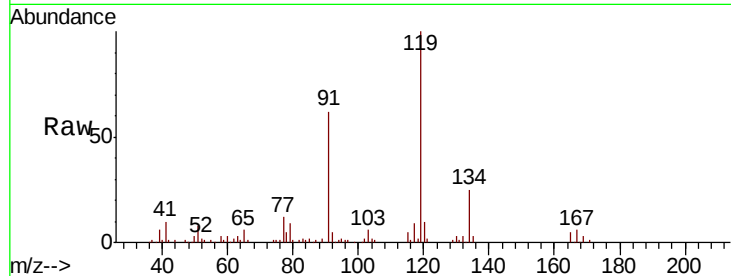




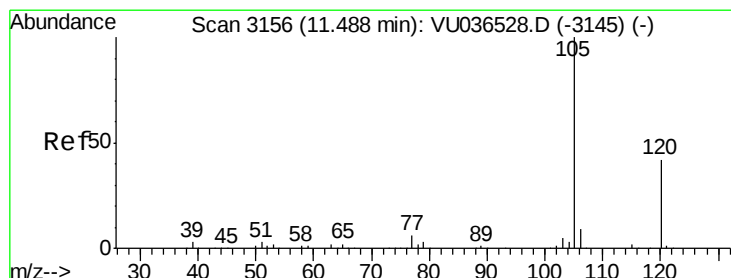
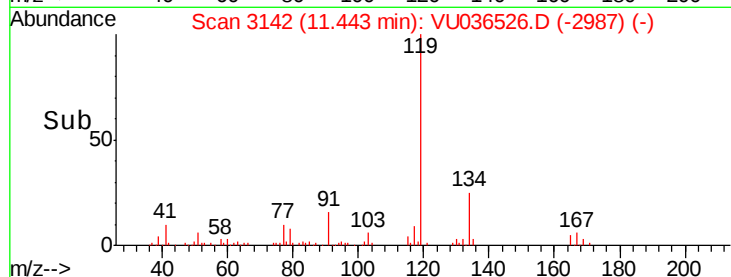
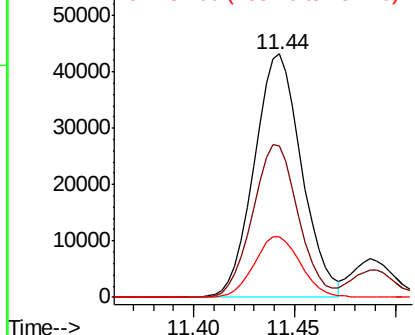
#77
tert-Butylbenzene
Concen: 1.818 ug/l
RT: 11.44 min Scan# 3142
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:119 Resp: 70783
Ion Ratio Lower Upper
119 100
91 60.6 29.3 87.8
134 24.5 19.0 28.4

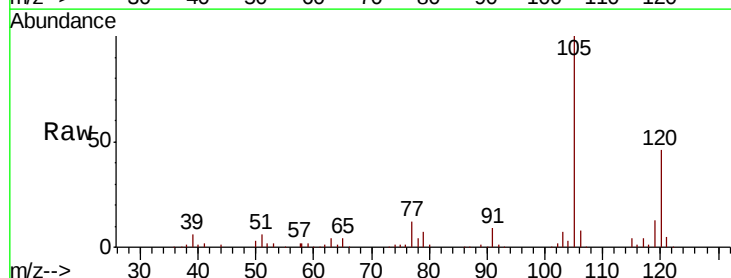


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

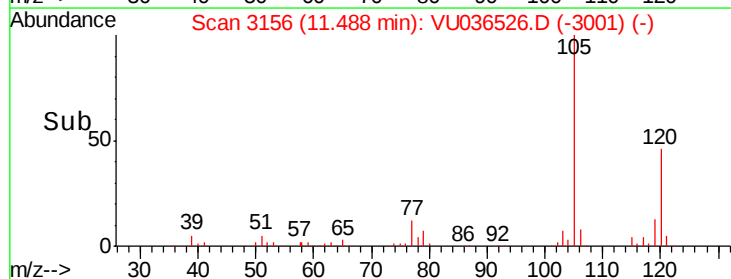
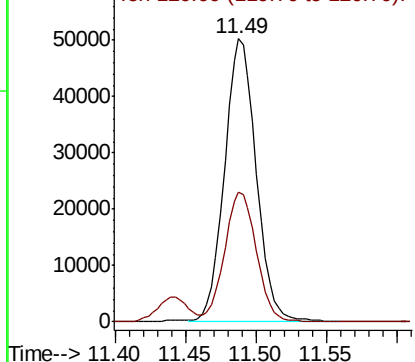


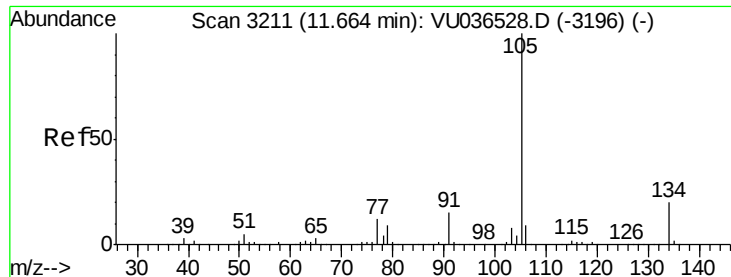
#78
1,2,4-Trimethylbenzene
Concen: 1.870 ug/l
RT: 11.49 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VU036526.D
Acq: 22 Jan 2020 15:19

Tgt Ion:105 Resp: 78725
Ion Ratio Lower Upper
105 100
120 46.1 23.3 69.8



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





#79

sec-Butylbenzene

Concen: 1.872 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

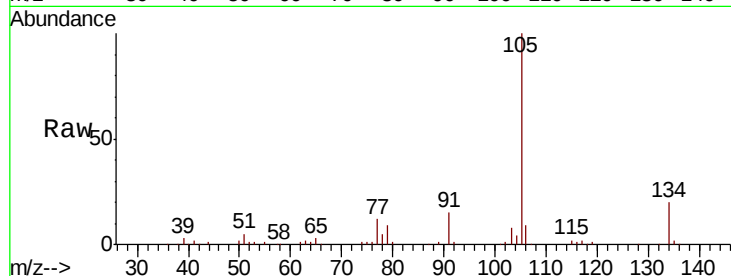
ClientSampled :

Tot Ion:105 Resp: 101173

Ion Ratio Lower Upper

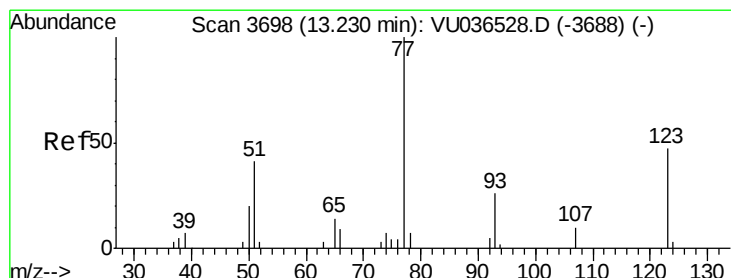
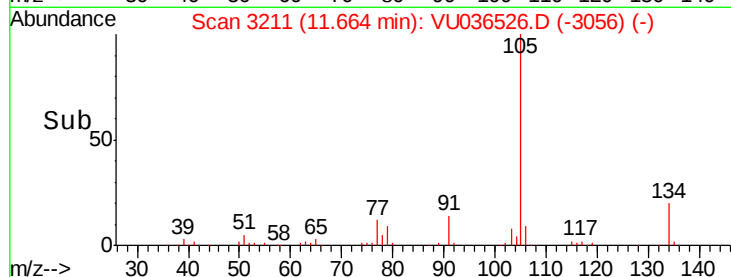
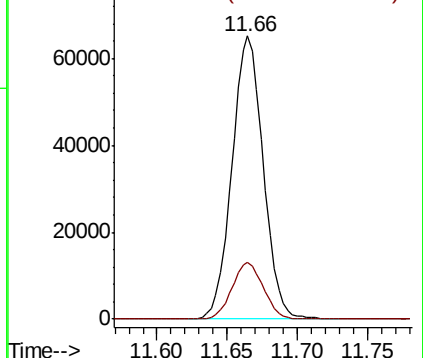
105 100

134 20.1 16.0 24.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 5.216 ug/l

RT: 13.24 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

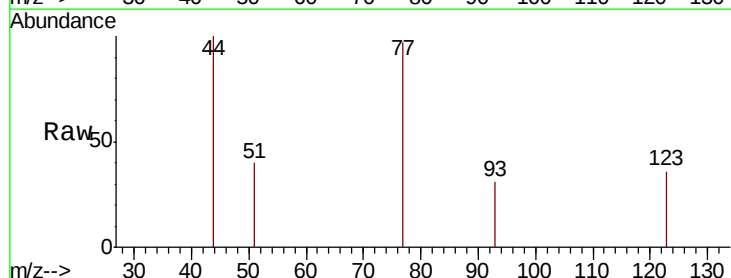
Tgt Ion: 77 Resp: 914

Ion Ratio Lower Upper

77 100

123 38.9 19.6 69.6

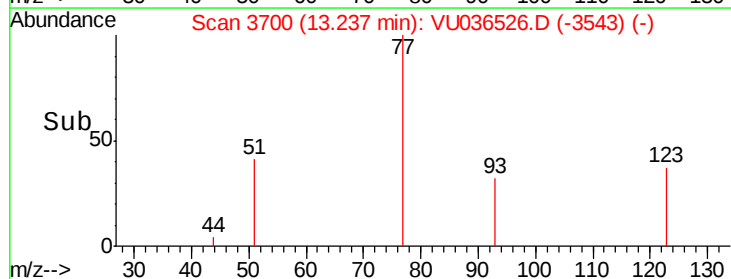
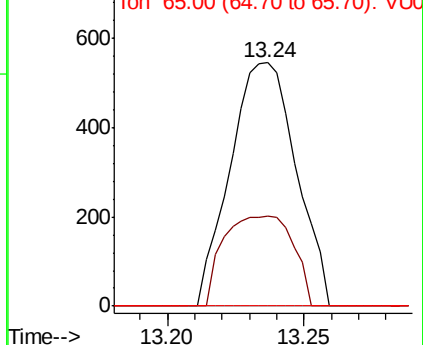
65 0.0 12.7 16.1#

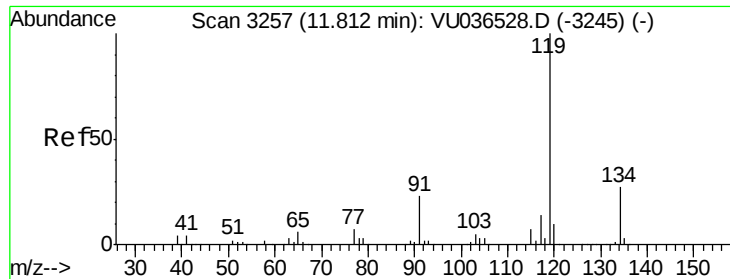


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

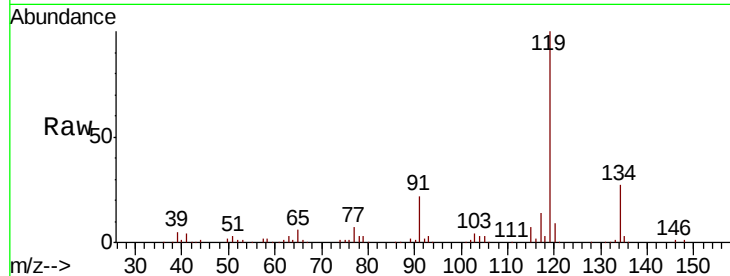




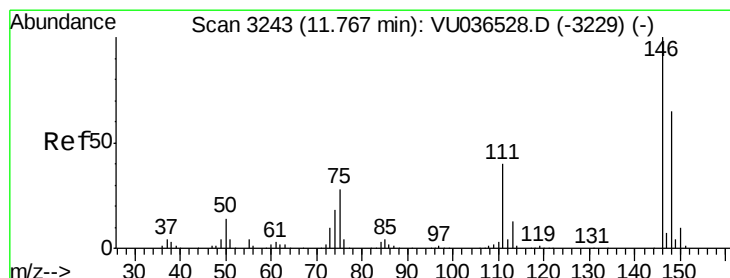
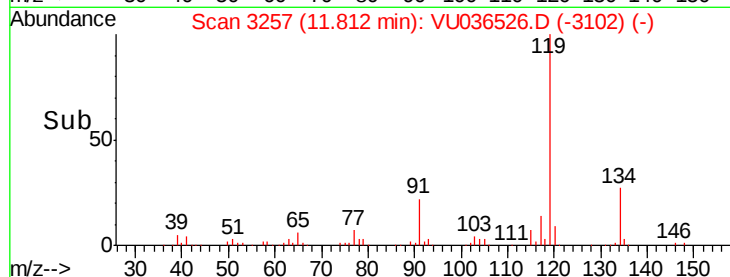
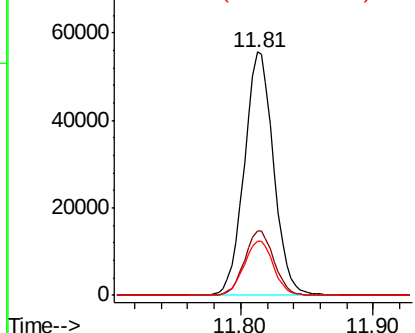
#81
 p-Isopropyltoluene
 Concen: 1.974 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:119 Resp: 85084
 Ion Ratio Lower Upper
 119 100
 134 26.8 21.4 32.0
 91 22.6 18.3 27.5

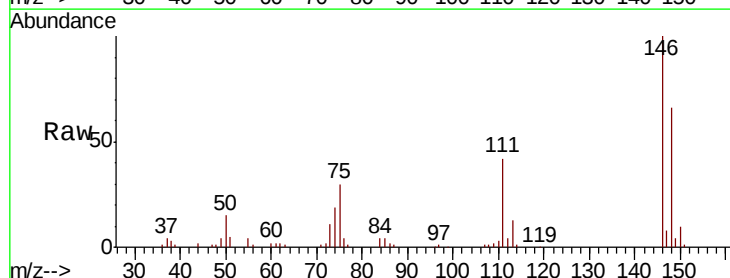


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

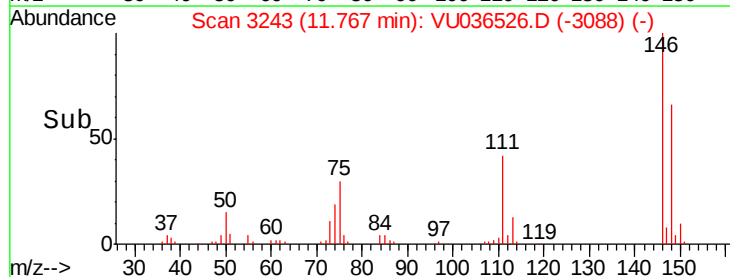
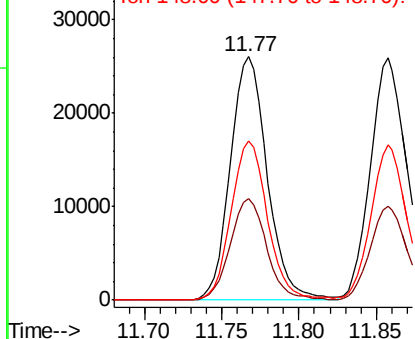


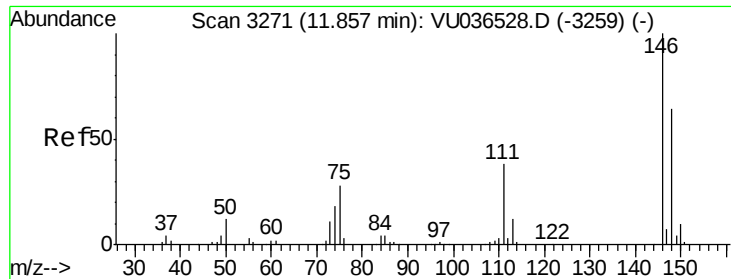
#82
 1,3-Dichlorobenzene
 Concen: 2.036 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion:146 Resp: 43248
 Ion Ratio Lower Upper
 146 100
 111 41.0 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

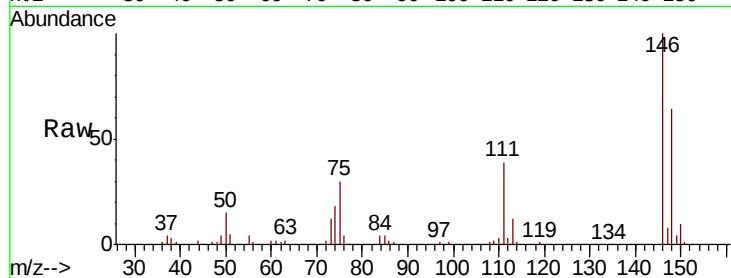




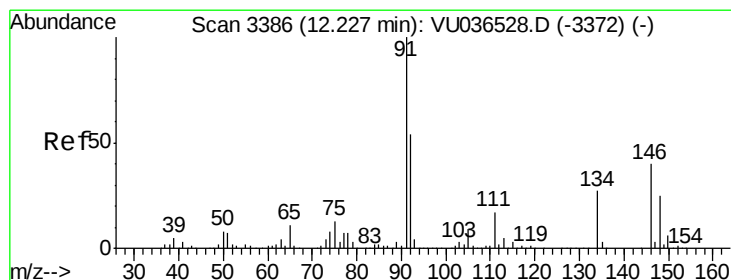
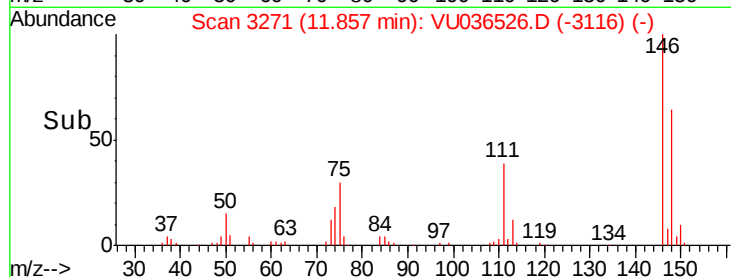
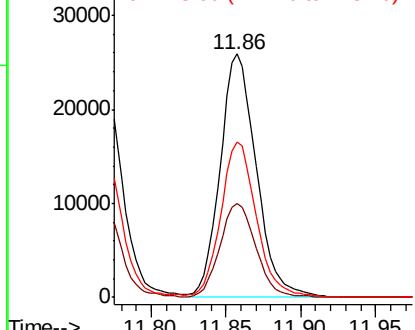
#83
 1,4-Dichlorobenzene
 Concen: 2.071 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 43580
 Ion Ratio Lower Upper
 146 100
 111 38.3 30.5 45.7
 148 63.1 51.0 76.4

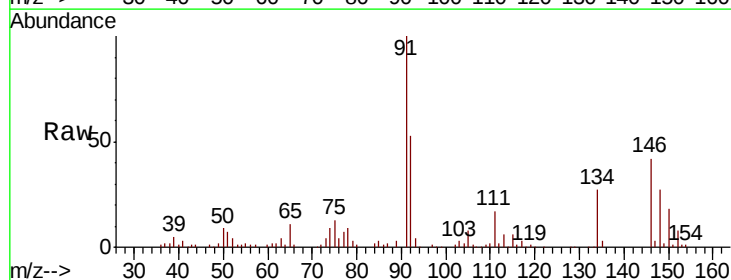


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

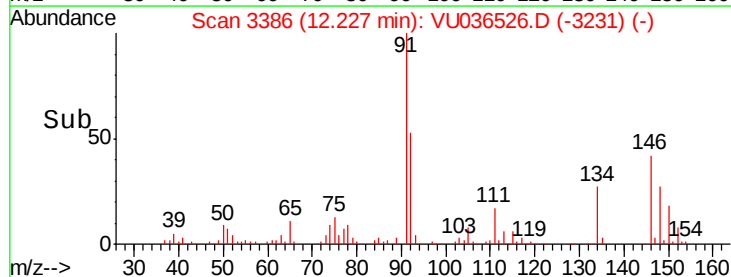
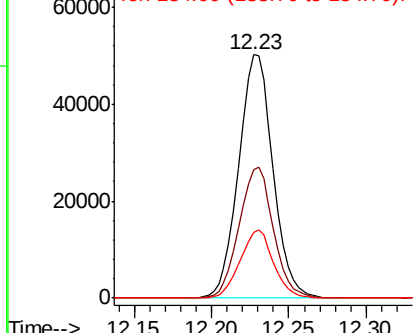


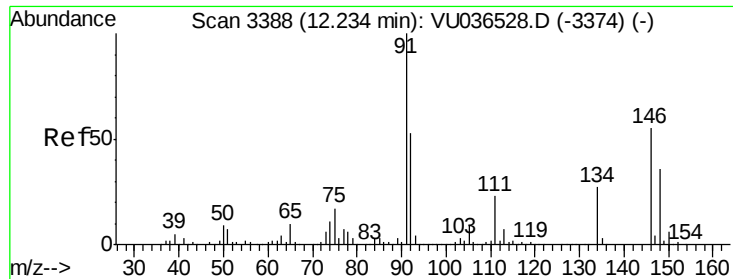
#84
 n-Butylbenzene
 Concen: 1.710 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion: 91 Resp: 77574
 Ion Ratio Lower Upper
 91 100
 92 53.6 42.9 64.3
 134 27.2 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: 2.032 ug/l

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

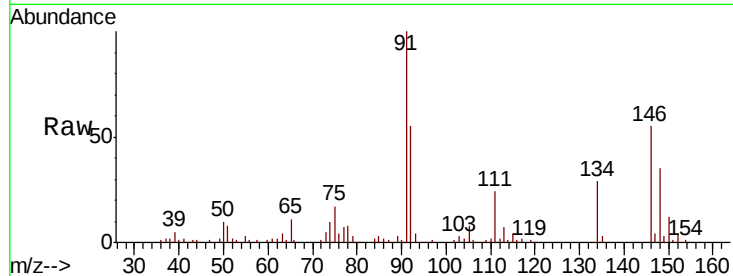
Tot Ion:146 Resp: 40852

Ion Ratio Lower Upper

146 100

111 42.6 20.8 62.4

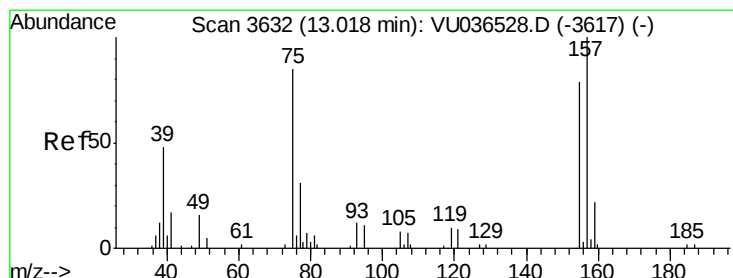
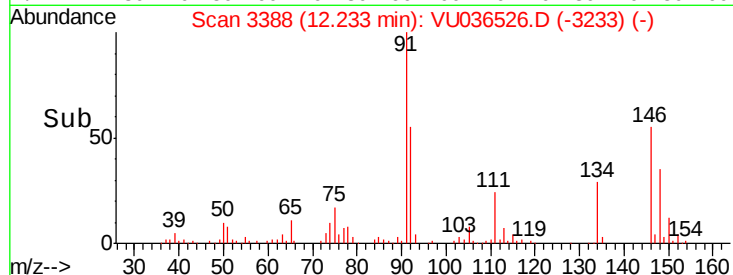
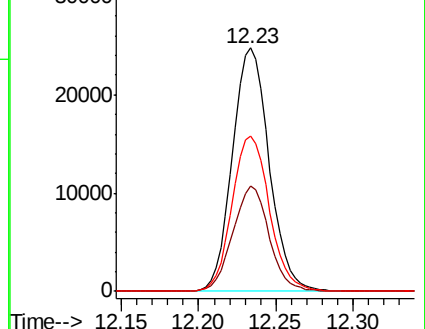
148 64.9 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.666 ug/l

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

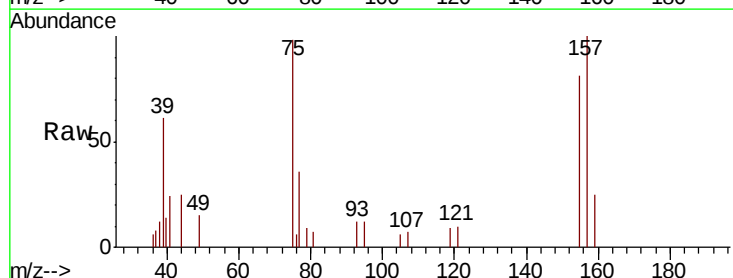
Tgt Ion: 75 Resp: 3025

Ion Ratio Lower Upper

75 100

155 77.4 71.8 107.8

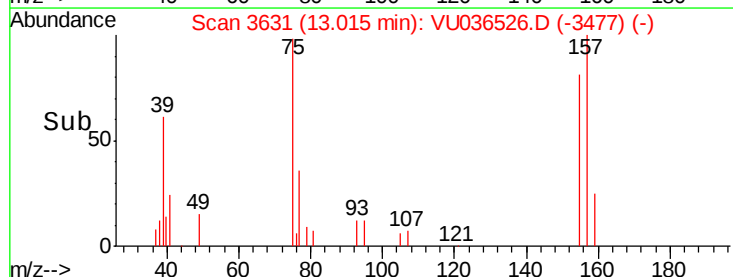
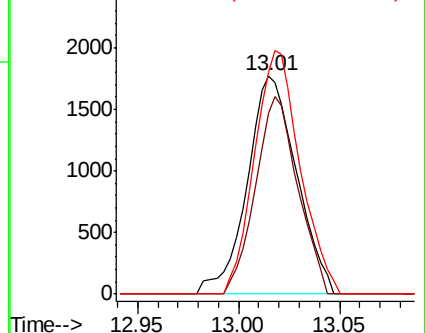
157 102.8 92.4 138.6

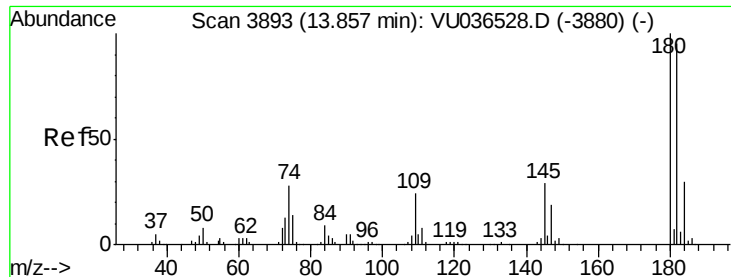


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

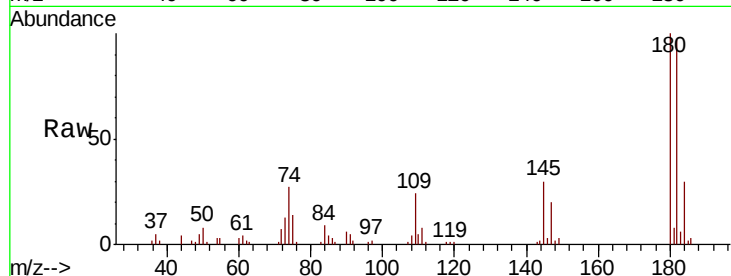




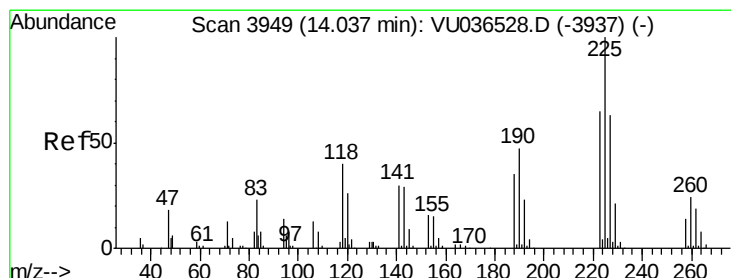
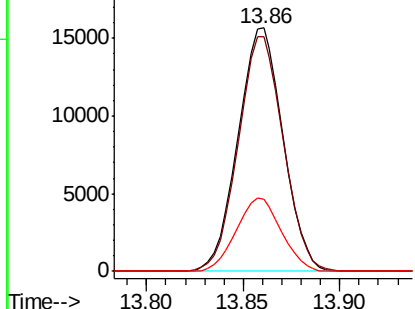
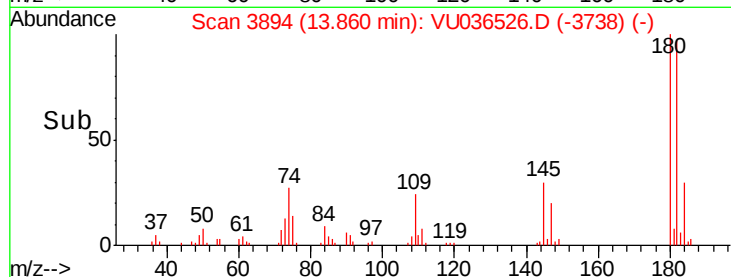
#87
 1,2,4-Trichlorobenzene
 Concen: 1.977 ug/l
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 25238
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.9 113.9
 145 30.2 23.4 35.2

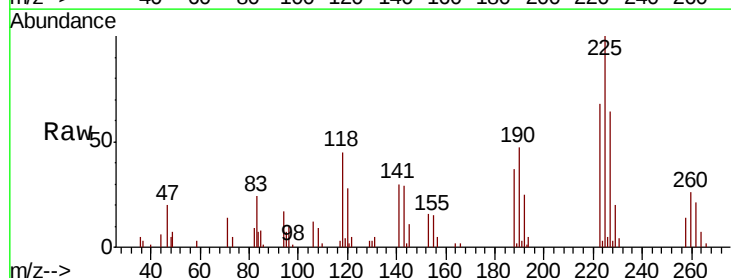


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

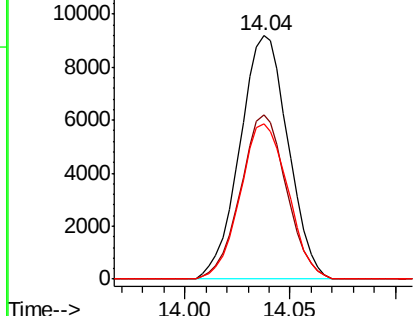
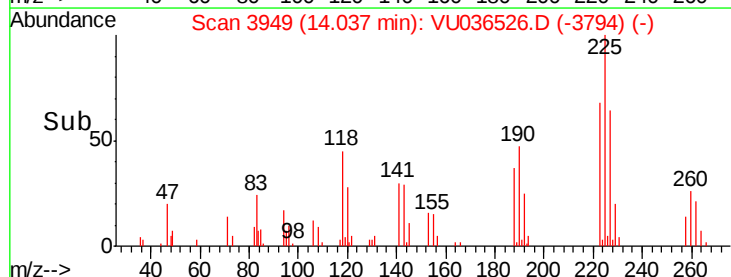


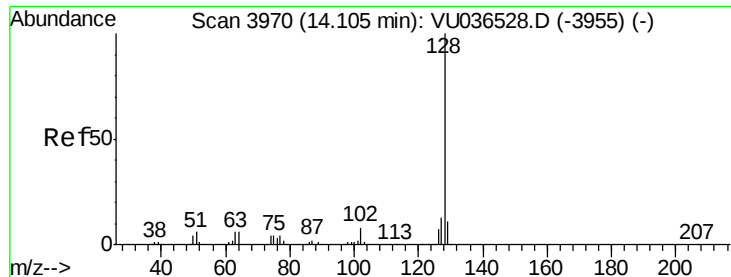
#88
 Hexachlorobutadiene
 Concen: 2.438 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036526.D
 Acq: 22 Jan 2020 15:19

Tgt Ion:225 Resp: 14612
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.7 77.5
 227 63.1 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: 1.628 ug/l

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

Instrument :

MSVOA_U

ClientSampleId :

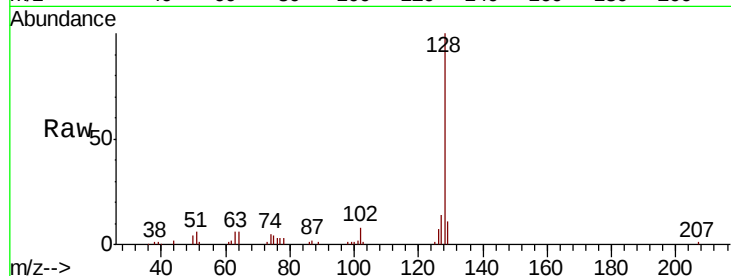
Tot Ion:128 Resp: 41226

Ion Ratio Lower Upper

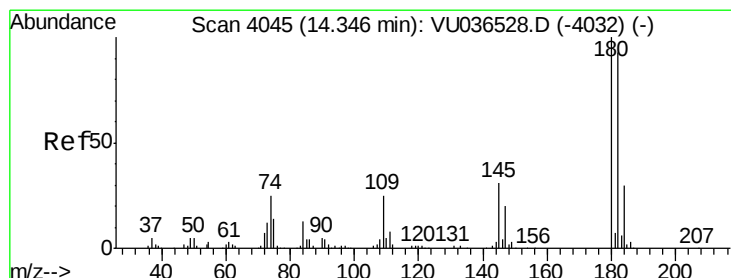
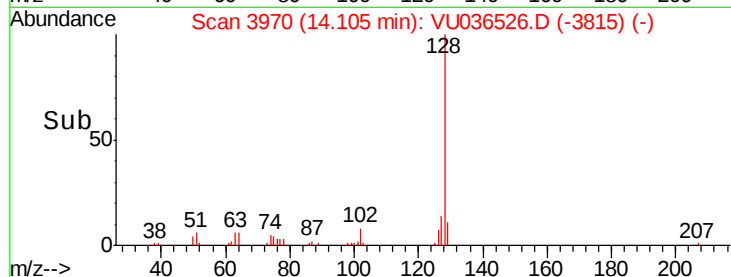
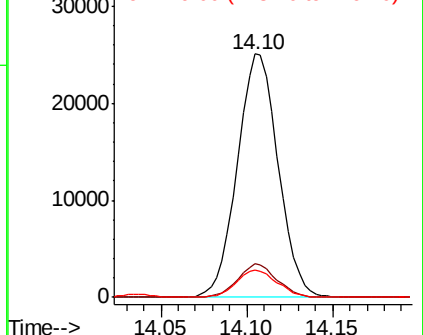
128 100

127 13.0 10.5 15.7

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 2.055 ug/l

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036526.D

Acq: 22 Jan 2020 15:19

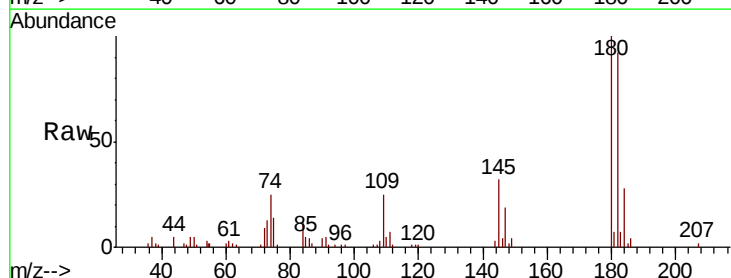
Tgt Ion:180 Resp: 24087

Ion Ratio Lower Upper

180 100

182 96.2 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

