

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036454.D
 Acq On : 14 Jan 2020 20:19
 Operator : JC/MD
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:05:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	486140	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	456034	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	166648	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17335	4.73	ug/L	0.00
7) Chloroethane-d5	1.93	69	14884	4.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	31206	4.85	ug/L	0.00
21) 2-Butanone-d5	4.69	46	27321	9.71	ug/L	0.00
24) Chloroform-d	5.11	84	29944	4.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	20859	4.76	ug/L	0.00
32) Benzene-d6	5.77	84	60145	4.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	19759	4.67	ug/L	0.00
41) Toluene-d8	7.93	98	55474	4.59	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	9916	4.33	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	16794	7.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	27898	4.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	16479	4.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	21482	5.298 ug/L	99
3) Chloromethane	1.54	50	17589	4.778 ug/L	97
5) Vinyl chloride	1.62	62	18000	4.331 ug/L	91
6) Bromomethane	1.87	94	10577	5.042 ug/L	98
8) Chloroethane	1.95	64	10901	4.403 ug/L	90
9) Trichlorofluoromethane	2.16	101	25136	4.340 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13519	4.652 ug/L	96
12) 1,1-Dichloroethene	2.61	96	7880	2.750 ug/L #	70
13) Acetone	2.66	43	29635	10.002 ug/L	96
14) Carbon disulfide	2.83	76	43824	4.913 ug/L	99
15) Methyl Acetate	2.99	43	16792	4.204 ug/L	97
16) Methylene chloride	3.08	84	16591	4.740 ug/L	95
17) trans-1,2-Dichloroethene	3.39	96	14906	4.849 ug/L	92
18) Methyl tert-butyl Ether	3.41	73	47164	4.230 ug/L	99
19) 1,1-Dichloroethane	3.91	63	26245	4.259 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	15752	4.231 ug/L	99
23) Bromochloromethane	5.02	128	7293	4.107 ug/L	91
25) Chloroform	5.14	83	29025	4.435 ug/L	95
27) 1,2-Dichloroethane	5.84	62	22005	4.318 ug/L	97
29) Cyclohexane	5.43	56	26227	4.879 ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	24579	4.359 ug/L	98
31) Carbon tetrachloride	5.57	117	20163	4.116 ug/L	91
33) Benzene	5.82	78	58768	4.339 ug/L	100
34) Trichloroethene	6.58	95	16258	4.624 ug/L	96
35) Methylcyclohexane	6.80	83	26224	4.701 ug/L	95
37) 1,2-Dichloropropane	6.83	63	16350	4.491 ug/L #	95
38) Bromodichloromethane	7.14	83	21104	4.114 ug/L #	98
39) cis-1,3-Dichloropropene	7.64	75	24376	3.975 ug/L	95
40) 4-Methyl-2-pentanone	7.83	43	50248	8.179 ug/L	96
42) Toluene	8.00	91	64312	4.313 ug/L	99

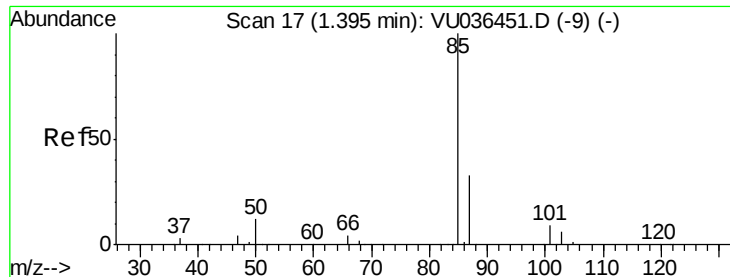
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036454.D
 Acq On : 14 Jan 2020 20:19
 Operator : JC/MD
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Quant Time: Jan 15 00:05:57 2020
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.25	75	21879	3.847	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	15014	4.413	ug/L	92
46) Tetrachloroethene	8.58	164	10934	4.359	ug/L	85
48) 2-Hexanone	8.73	43	40041	8.481	ug/L	93
49) Dibromochloromethane	8.84	129	14286	3.452	ug/L	88
50) 1,2-Dibromoethane	8.96	107	16692	4.220	ug/L #	96
51) Chlorobenzene	9.47	112	39446	4.205	ug/L	96
52) Ethylbenzene	9.60	91	68855	4.074	ug/L	95
53) m,p-Xylene	9.72	106	26321	4.202	ug/L	98
54) o-xylene	10.13	106	25522	4.053	ug/L	80
55) Styrene	10.14	104	37594	3.548	ug/L	95
56) Isopropylbenzene	10.51	105	64601	3.942	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	22984	3.584	ug/L #	90
59) 1,2,3-Trichloropropane	10.85	75	21629	4.224	ug/L	100
61) Bromoform	10.32	173	10679	4.318	ug/L #	98
62) 1,3-Dichlorobenzene	11.77	146	24275	4.466	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	24759	4.573	ug/L	94
65) 1,2-Dichlorobenzene	12.24	146	23535	4.326	ug/L	95
66) 1,2-Dibromo-3-chloropropan	13.02	75	5090	4.047	ug/L #	87
67) 1,3,5-Trichlorobenzene	13.24	180	14230	4.012	ug/L	92
68) 1,2,4-trichlorobenzene	13.86	180	9067	3.386	ug/L	99
69) Naphthalene	14.10	128	31076	3.428	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	9669	3.471	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.298 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

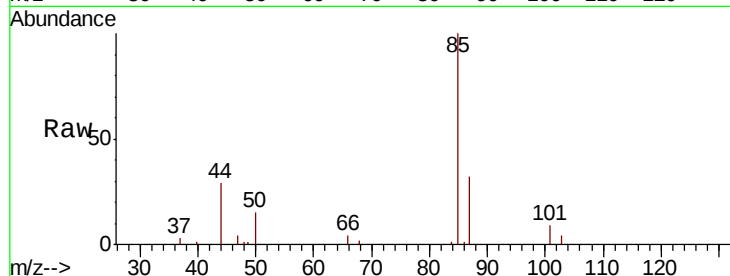
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 21482

Ion Ratio Lower Upper

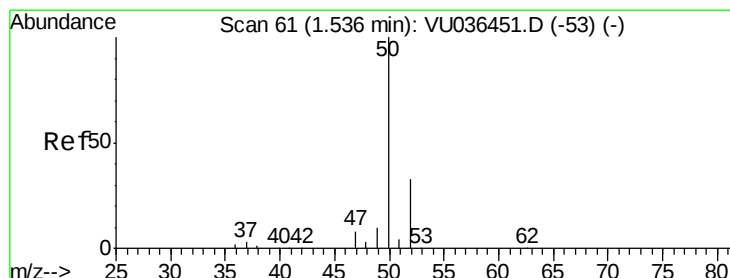
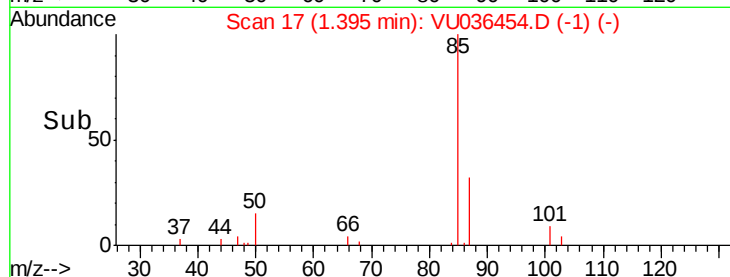
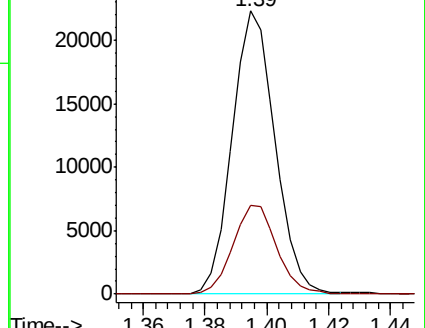
85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036451.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036451.D (-9) (-)



#3

Chloromethane

Concen: 4.778 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036454.D

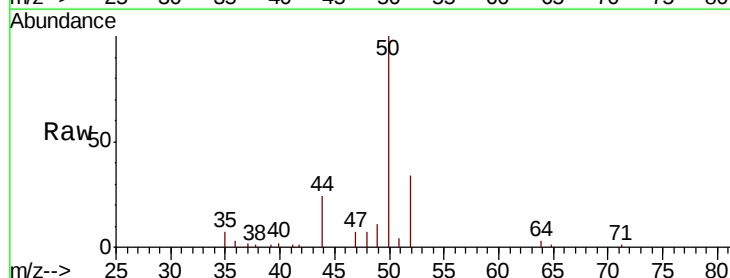
Acq: 14 Jan 2020 20:19

Tgt Ion: 50 Resp: 17589

Ion Ratio Lower Upper

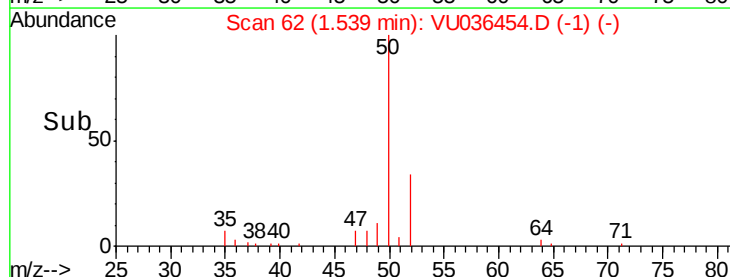
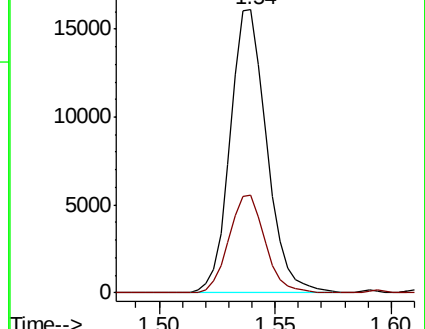
50 100

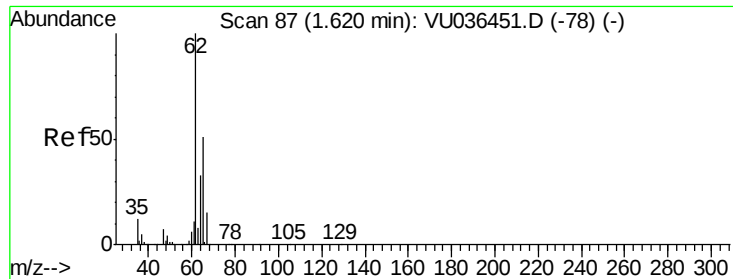
52 34.3 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036451.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036451.D (-53) (-)





#5

Vinyl chloride

Concen: 4.331 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :

MSVOA_U

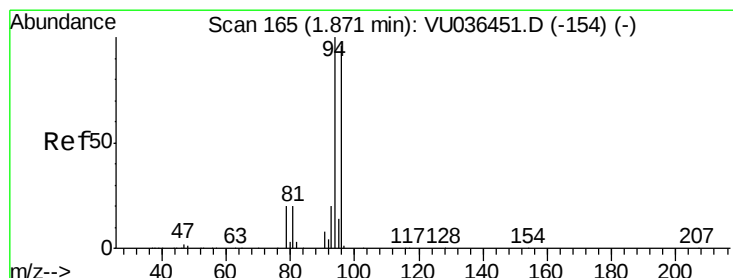
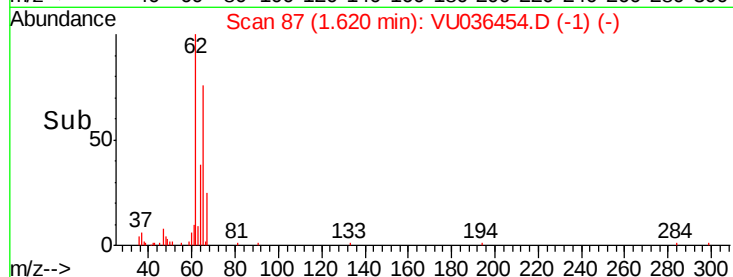
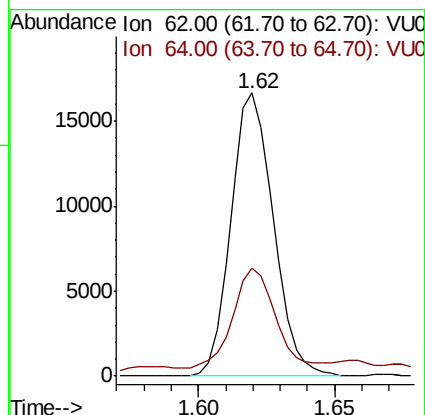
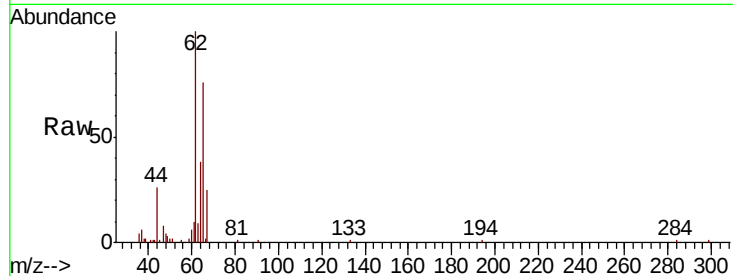
ClientSampleId :

Tot Ion: 62 Resp: 18000

Ion Ratio Lower Upper

62 100

64 38.0 23.0 42.8



#6

Bromomethane

Concen: 5.042 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036454.D

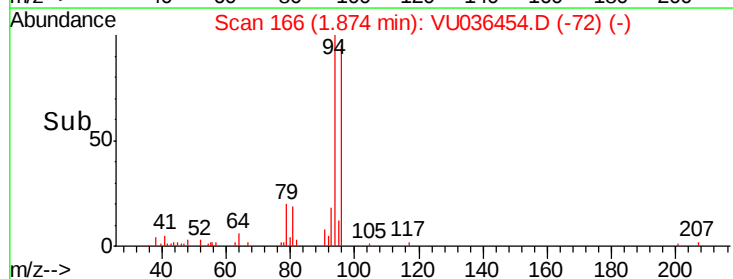
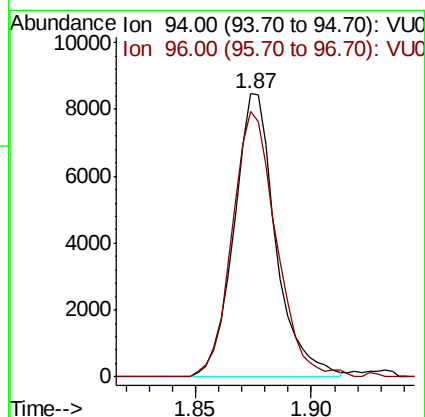
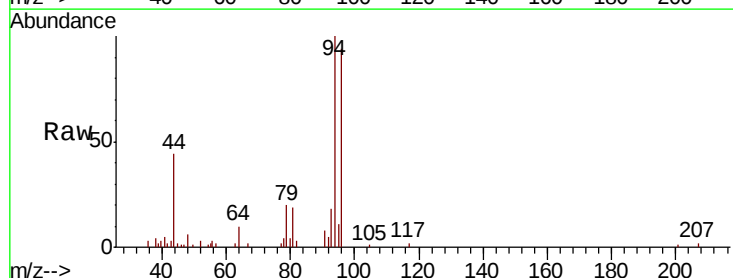
Acq: 14 Jan 2020 20:19

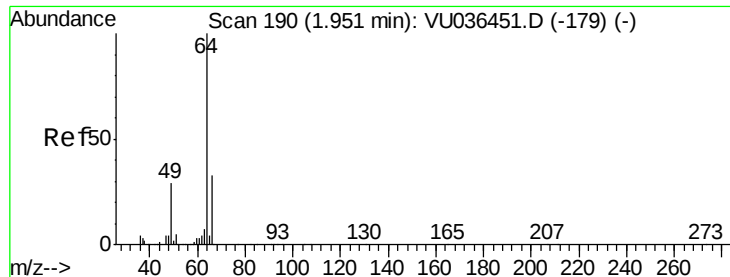
Tgt Ion: 94 Resp: 10577

Ion Ratio Lower Upper

94 100

96 93.7 67.1 124.7

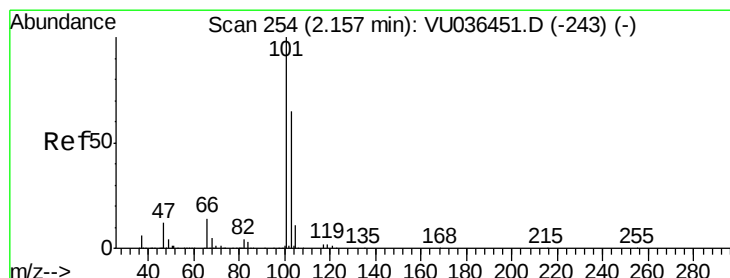
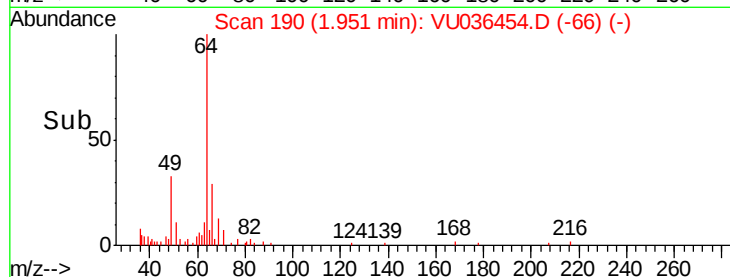
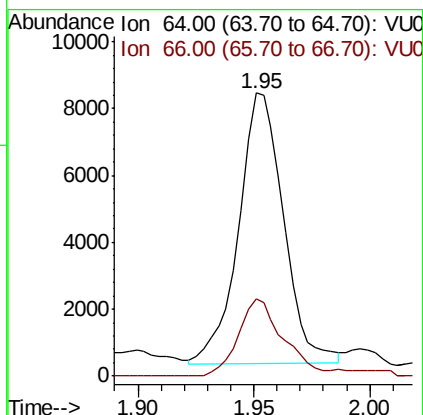
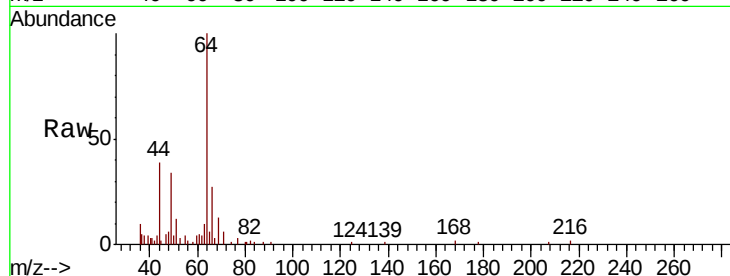




#8
Chloroethane
Concen: 4.403 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

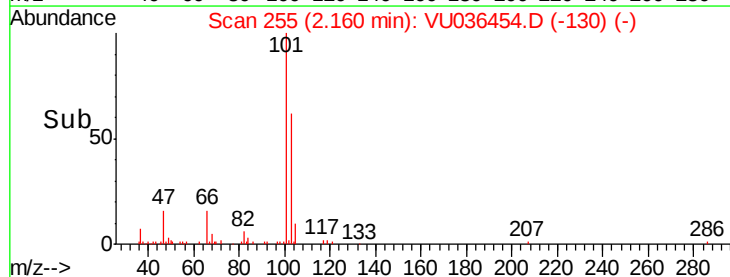
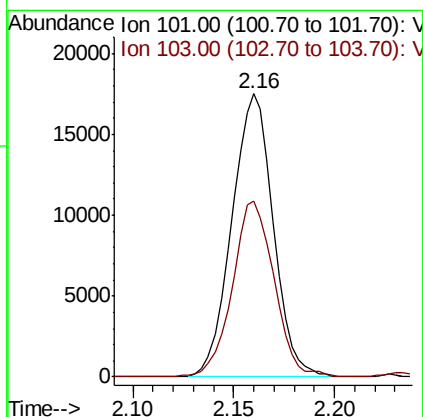
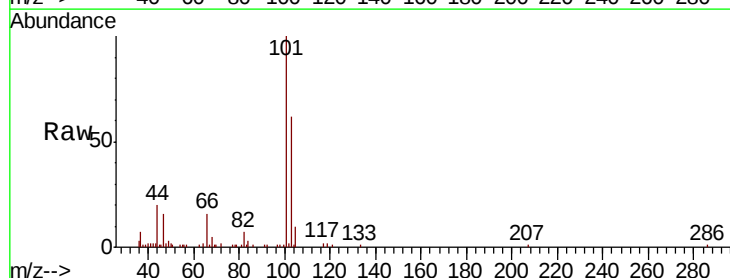
Instrument :
MSVOA_U
ClientSampleId :

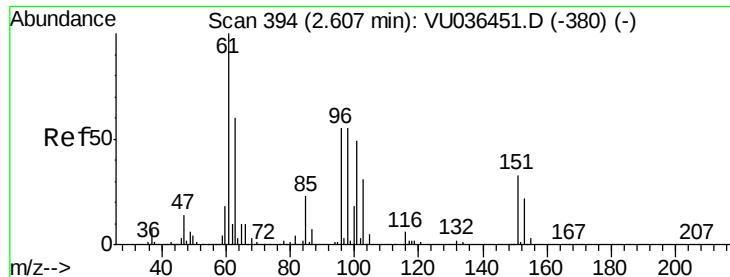
Tot Ion: 64 Resp: 10901
Ion Ratio Lower Upper
64 100
66 27.5 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.340 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 101 Resp: 25136
Ion Ratio Lower Upper
101 100
103 62.3 52.0 78.0





#10

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

Concen: 4.652 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :

MSVOA_U

ClientSampleId :

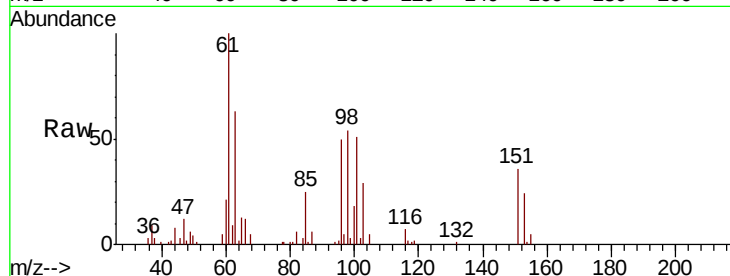
Tot Ion:101 Resp: 13519

Ion Ratio Lower Upper

101 100

85 49.2 36.7 55.1

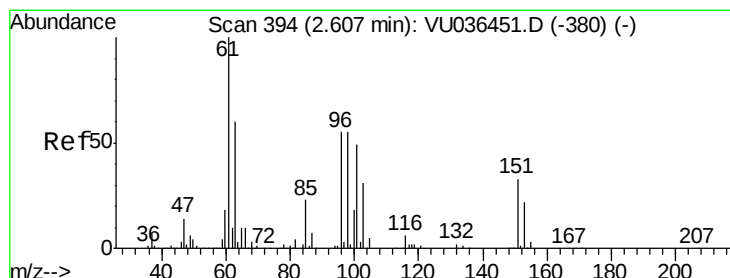
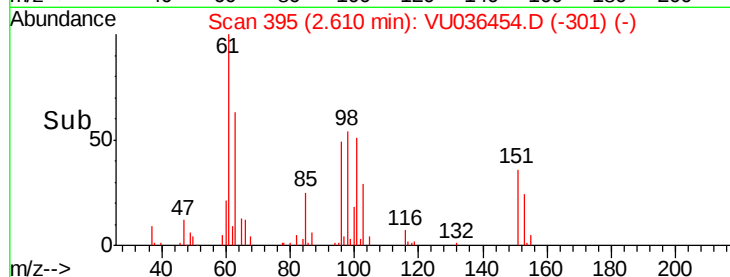
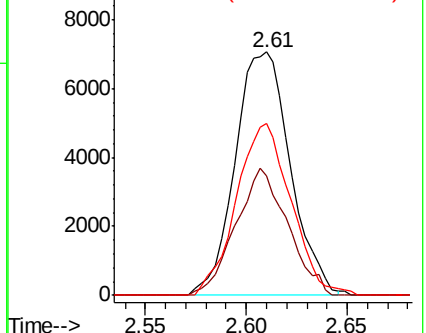
151 69.8 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VU036454.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU036454.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU036454.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 2.750 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

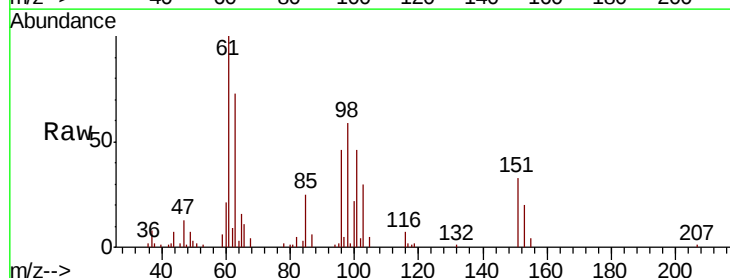
Tgt Ion: 96 Resp: 7880

Ion Ratio Lower Upper

96 100

61 216.0 128.2 238.2

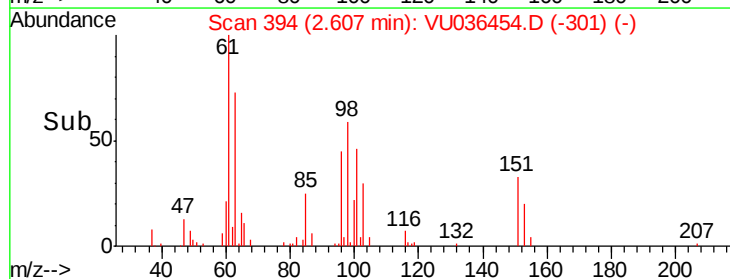
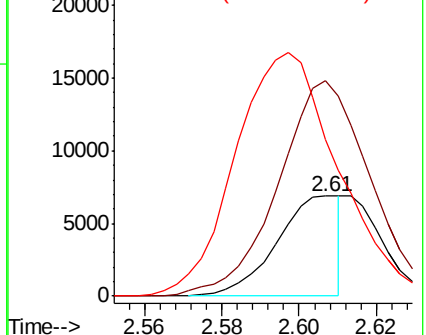
63 156.7 79.1 146.9#

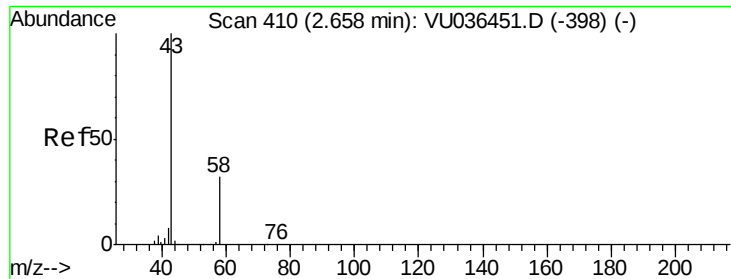


Abundance Ion 96.00 (95.70 to 96.70): VU036454.D (-301) (-)

Ion 61.00 (60.70 to 61.70): VU036454.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036454.D (-301) (-)





#13

Acetone

Concen: 10.002 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

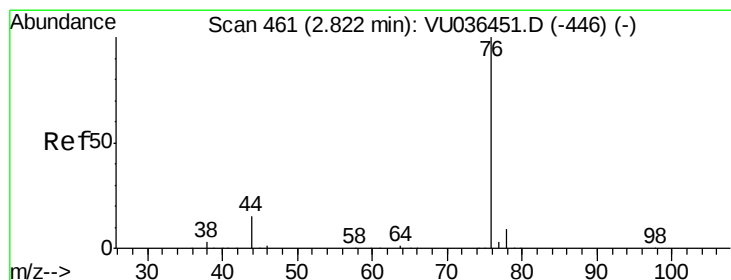
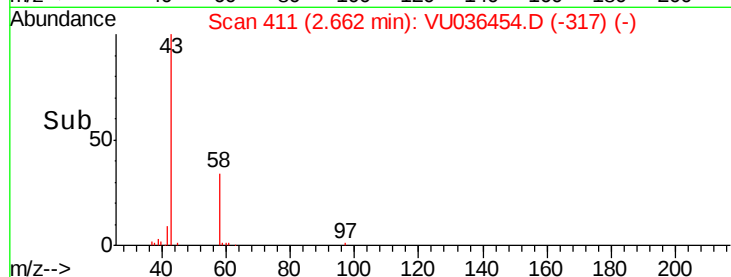
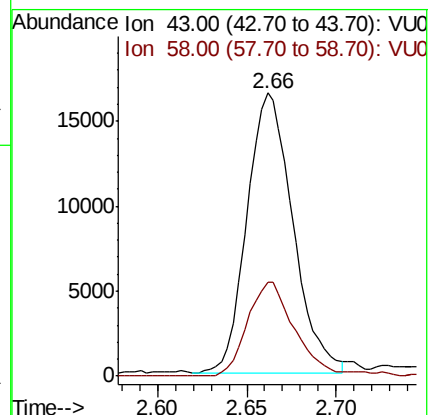
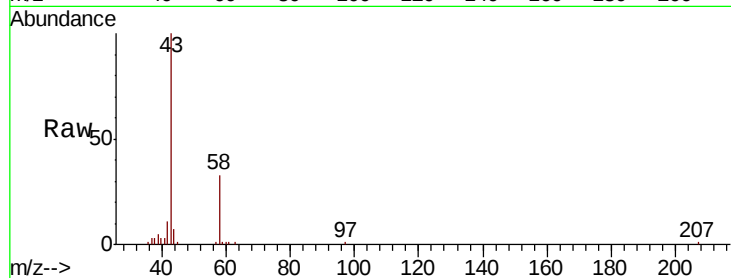
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 29635

Ion Ratio Lower Upper

43 100

58 34.9 0.0 65.0



#14

Carbon disulfide

Concen: 4.913 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036454.D

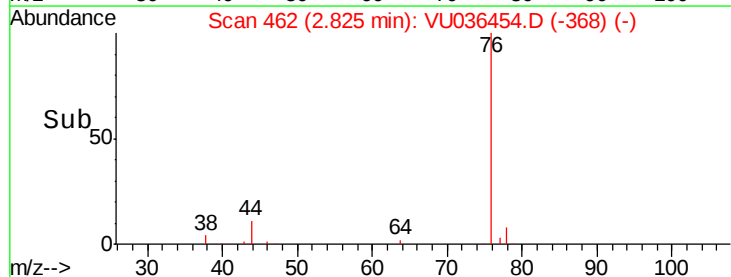
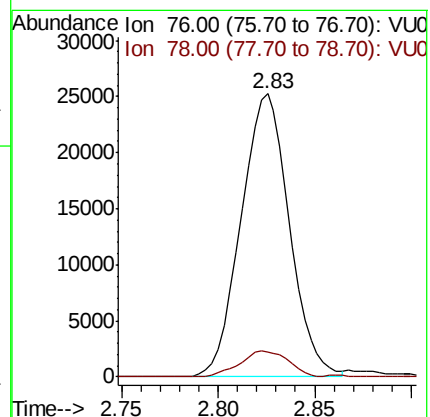
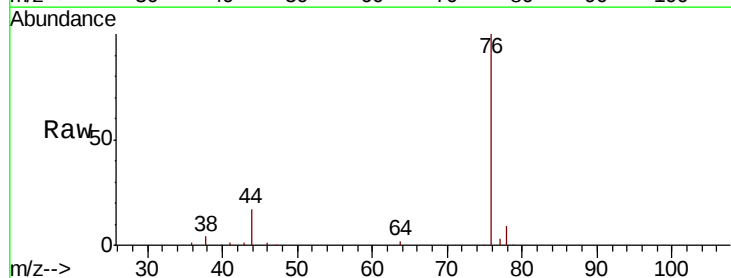
Acq: 14 Jan 2020 20:19

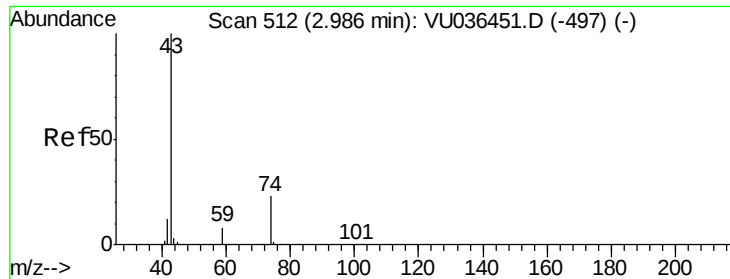
Tgt Ion: 76 Resp: 43824

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

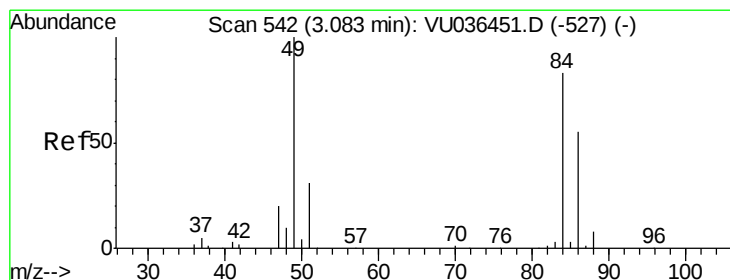
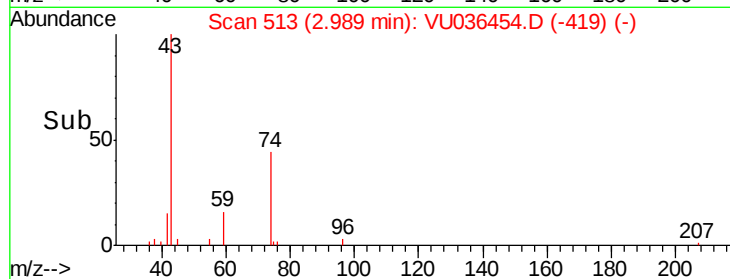
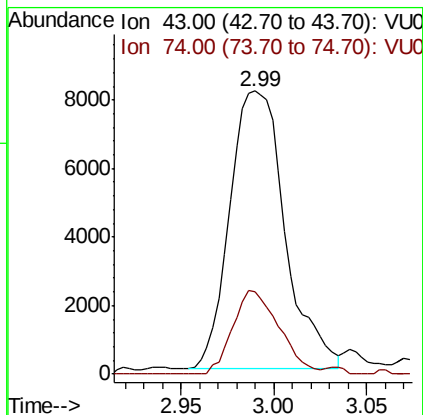
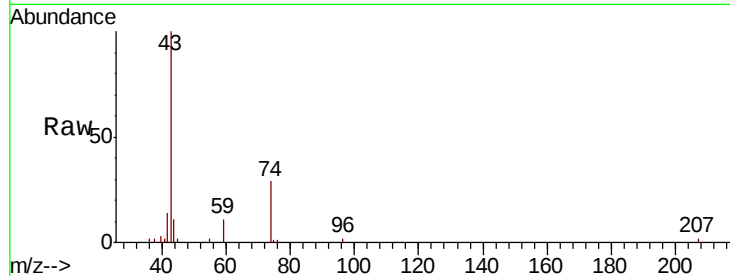




#15
Methyl Acetate
Concen: 4.204 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

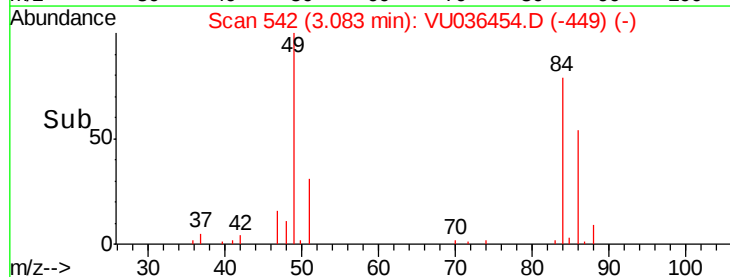
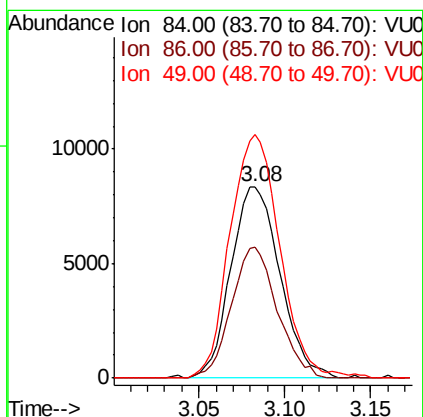
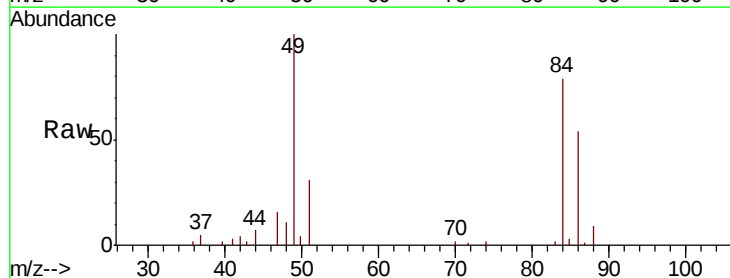
Instrument :
MSVOA_U
ClientSampled :

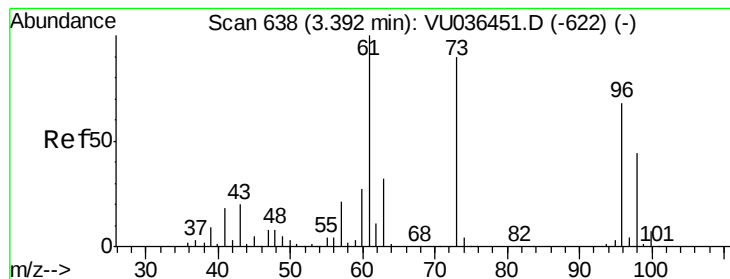
Tot Ion: 43 Resp: 16792
Ion Ratio Lower Upper
43 100
74 25.2 19.0 28.4



#16
Methylene chloride
Concen: 4.740 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 84 Resp: 16591
Ion Ratio Lower Upper
84 100
86 68.3 46.4 86.2
49 127.0 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 4.849 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :
MSVOA_U
ClientSampled :

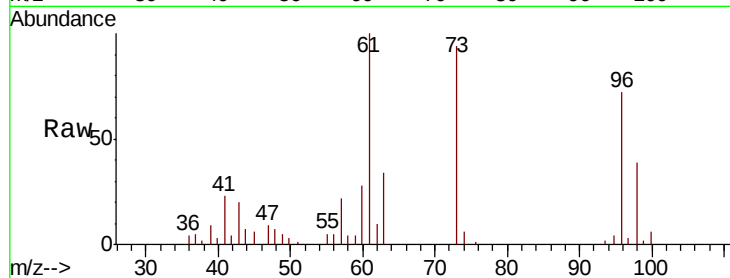
Tot Ion: 96 Resp: 14906

Ion Ratio Lower Upper

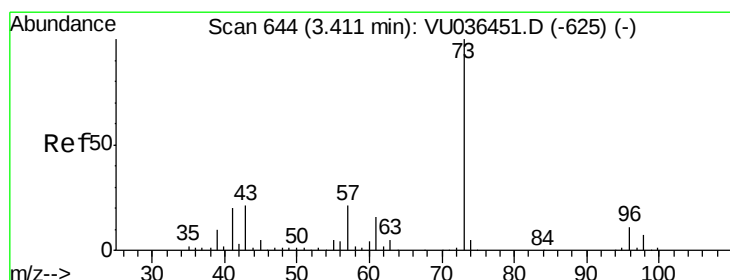
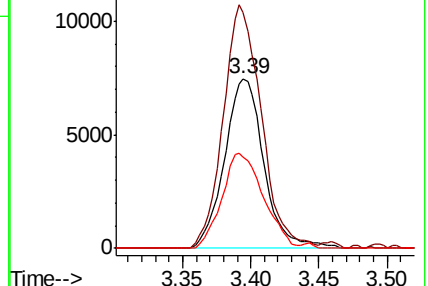
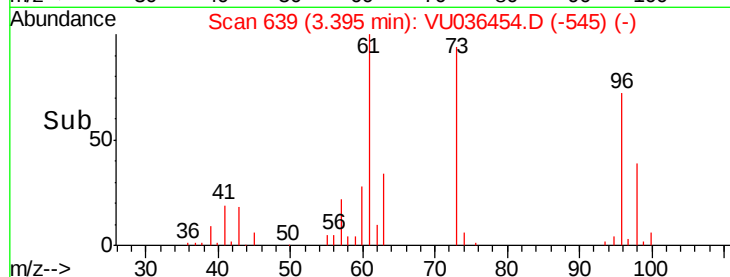
96 100

61 139.2 102.8 191.0

98 53.8 44.9 83.5



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



#18

Methyl tert-butyl Ether

Concen: 4.230 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

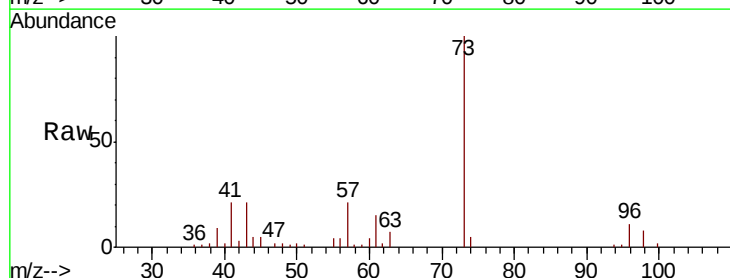
Tgt Ion: 73 Resp: 47164

Ion Ratio Lower Upper

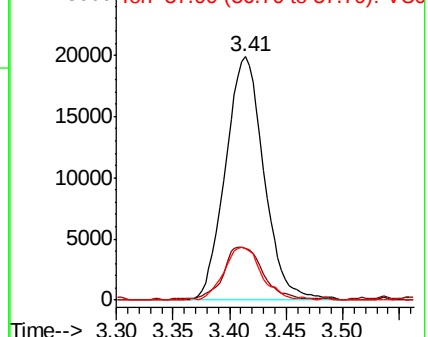
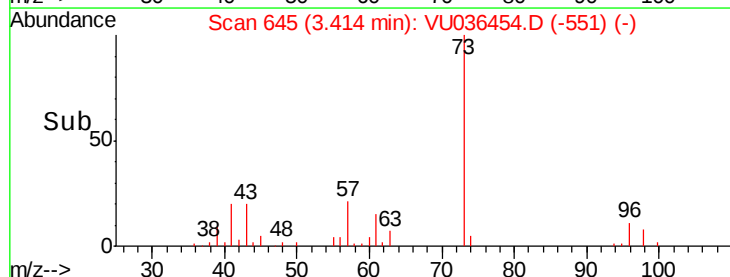
73 100

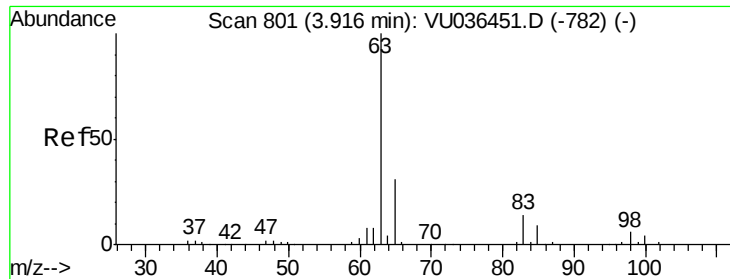
43 21.8 16.6 25.0

57 21.0 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

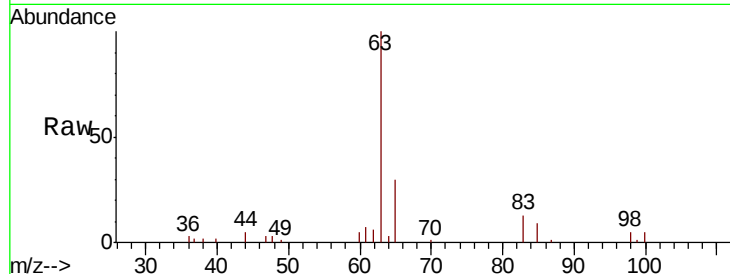




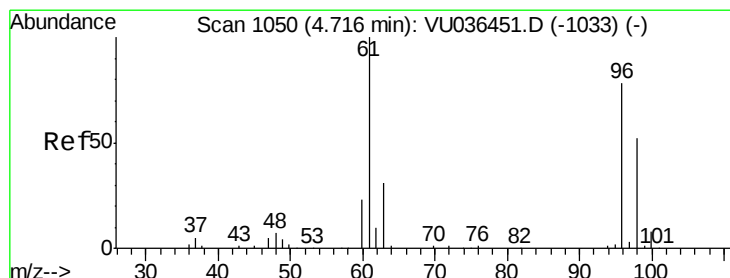
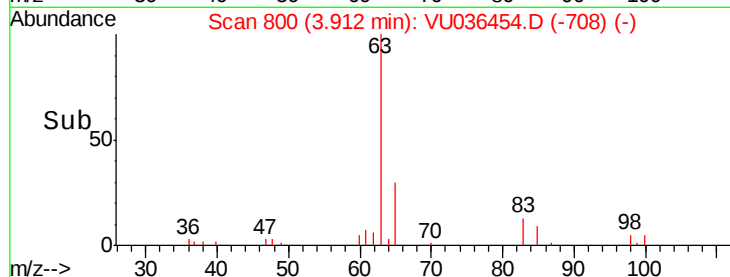
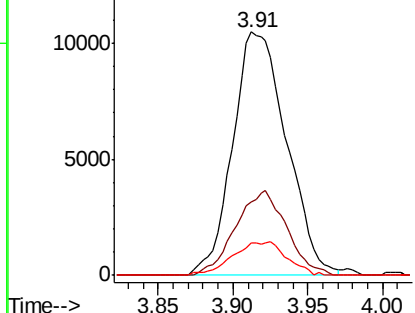
#19
 1,1-Dichloroethane
 Concen: 4.259 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 26245
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.8 40.4
 83 13.2 9.4 17.6

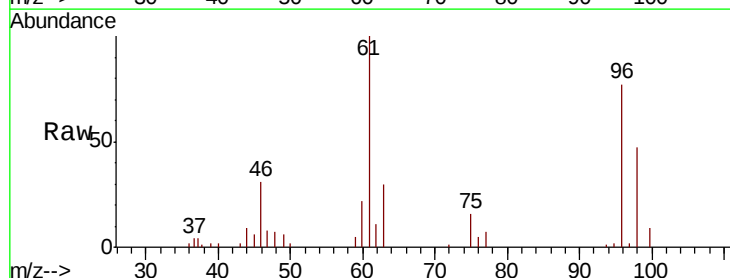


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

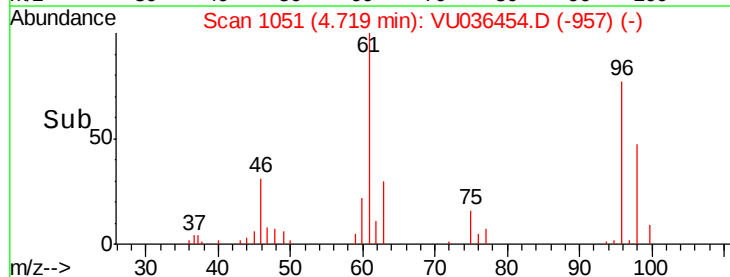
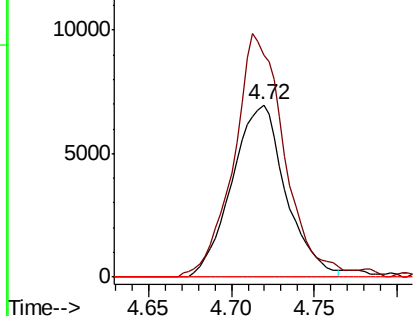


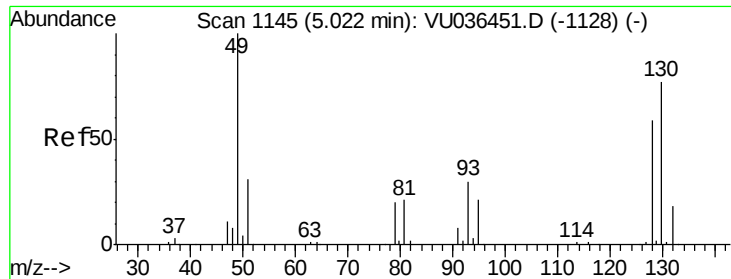
#20
 cis-1,2-Dichloroethene
 Concen: 4.231 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Tgt Ion: 96 Resp: 15752
 Ion Ratio Lower Upper
 96 100
 61 129.1 89.5 166.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#23

Bromochloromethane

Concen: 4.107 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 7293

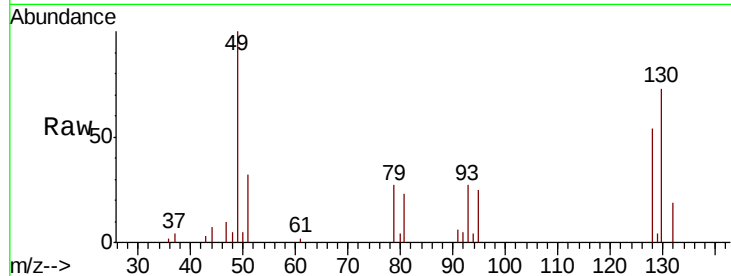
Ion Ratio Lower Upper

128 100

49 185.8 118.9 220.7

130 136.1 91.3 169.5

51 60.2 42.6 63.8

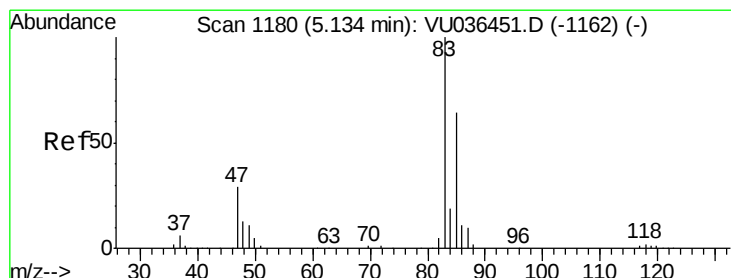
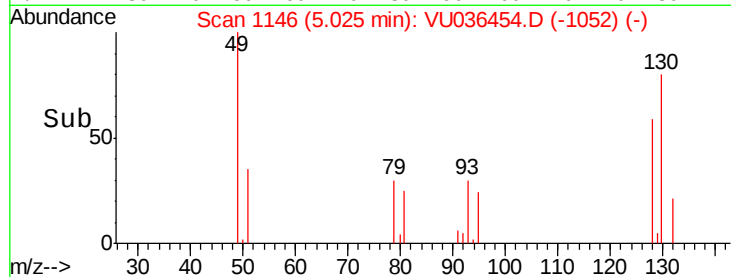
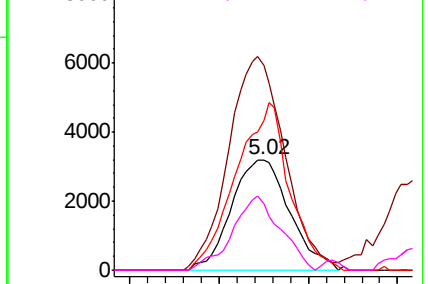


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 4.435 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036454.D

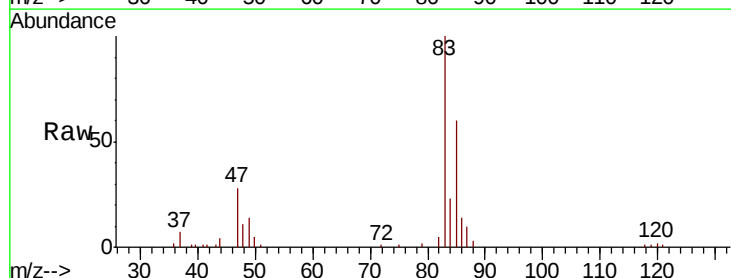
Acq: 14 Jan 2020 20:19

Tgt Ion: 83 Resp: 29025

Ion Ratio Lower Upper

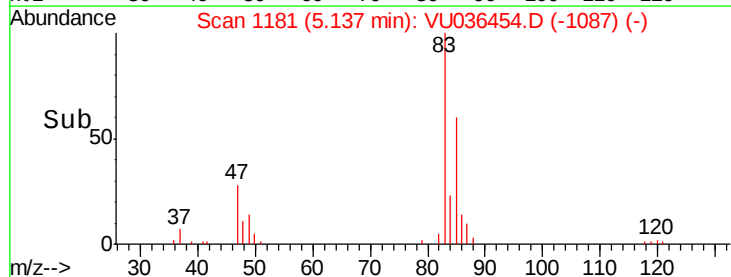
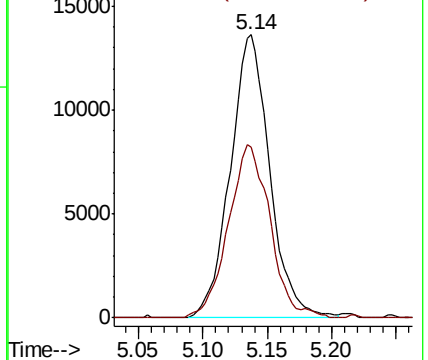
83 100

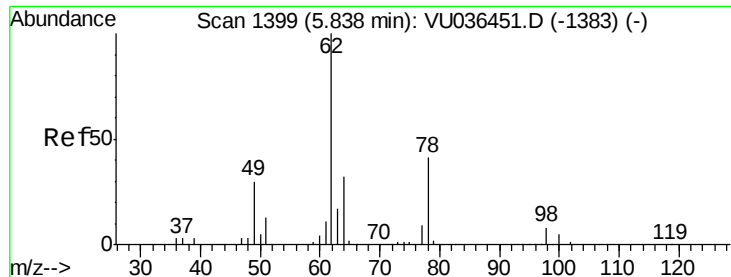
85 60.3 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

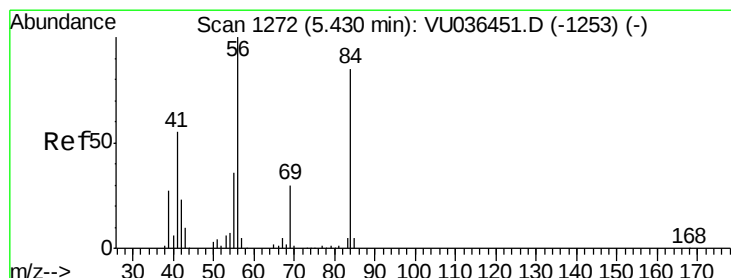
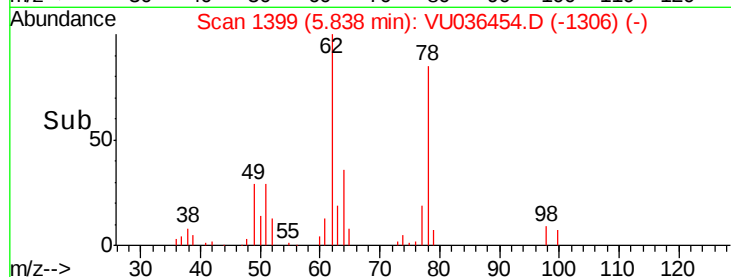
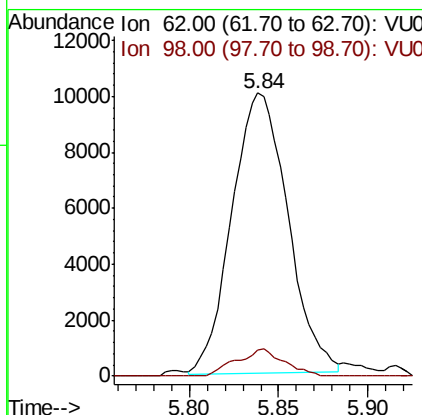
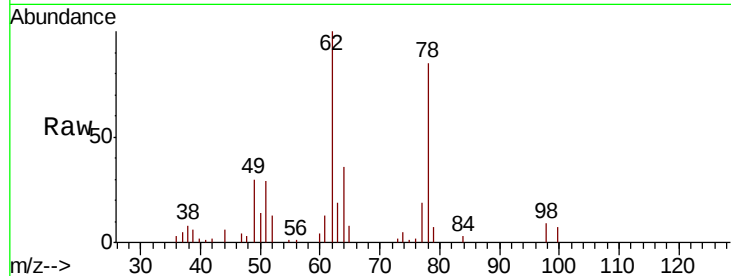




#27
 1,2-Dichloroethane
 Concen: 4.318 ug/L
 RT: 5.84 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

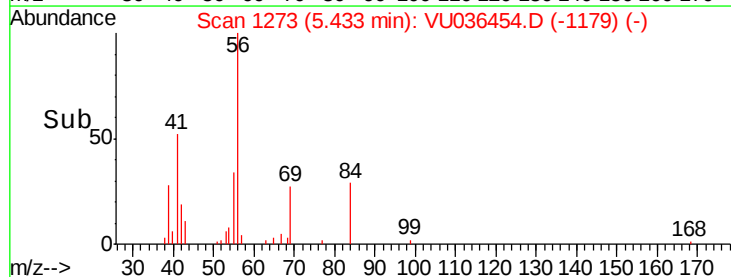
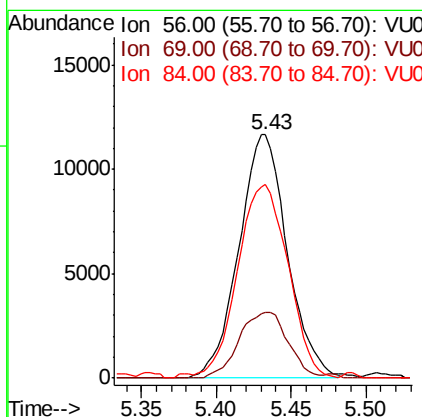
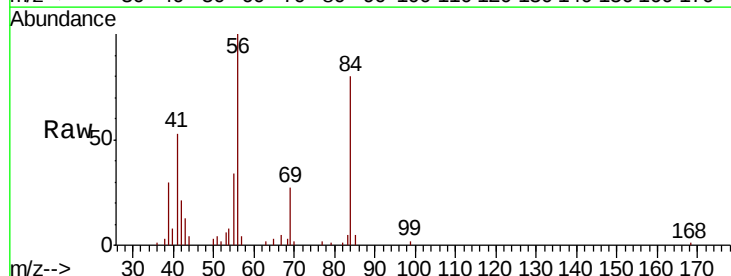
Instrument :
 MSVOA_U
 ClientSampleId :

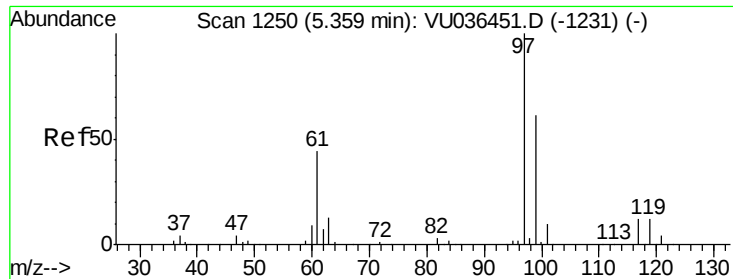
Tot Ion: 62 Resp: 22005
 Ion Ratio Lower Upper
 62 100
 98 9.2 6.6 9.8



#29
 Cyclohexane
 Concen: 4.879 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Tgt Ion: 56 Resp: 26227
 Ion Ratio Lower Upper
 56 100
 69 27.3 24.6 36.8
 84 82.8 67.4 101.2

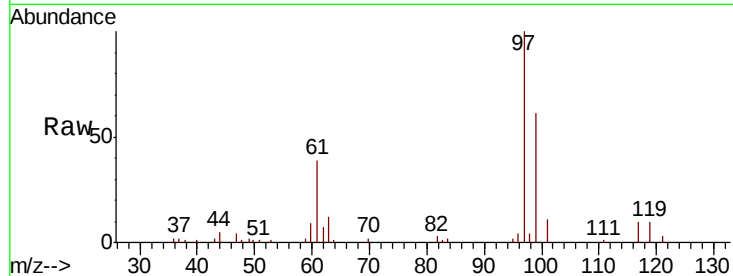




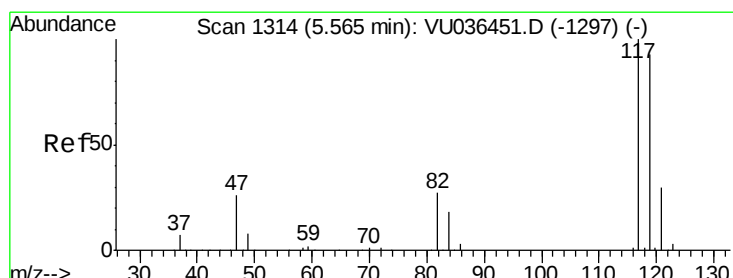
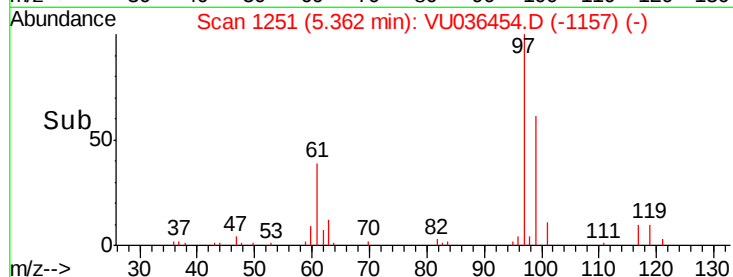
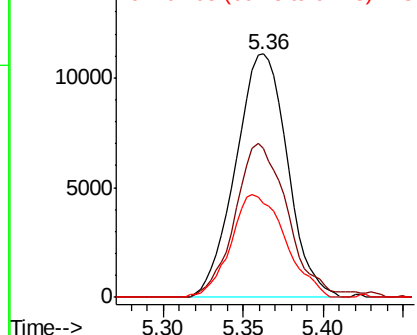
#30
 1,1,1-Trichloroethane
 Concen: 4.359 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 24579
 Ion Ratio Lower Upper
 97 100
 99 64.6 50.2 75.2
 61 44.5 35.3 52.9

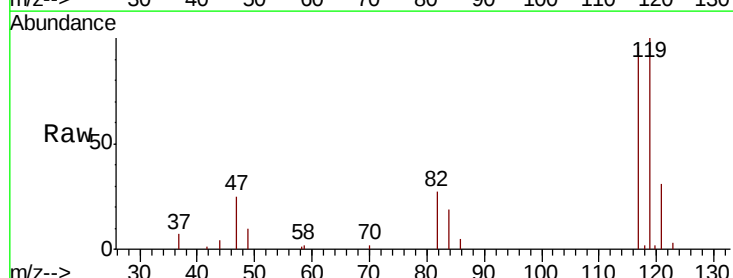


Abundance Ion 97.00 (96.70 to 97.70): VU0
 15000 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

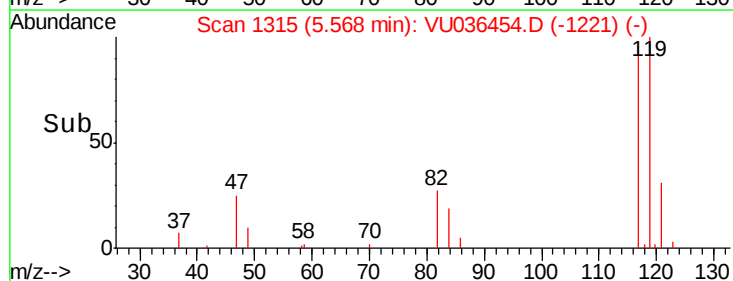
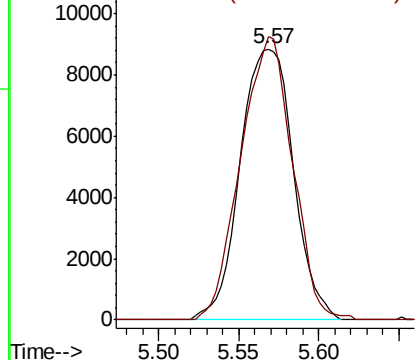


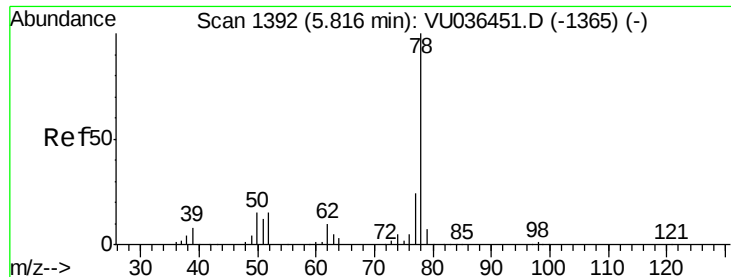
#31
 Carbon tetrachloride
 Concen: 4.116 ug/L
 RT: 5.57 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Tgt Ion: 117 Resp: 20163
 Ion Ratio Lower Upper
 117 100
 119 101.8 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V
 10000 Ion 119.00 (118.70 to 119.70): V

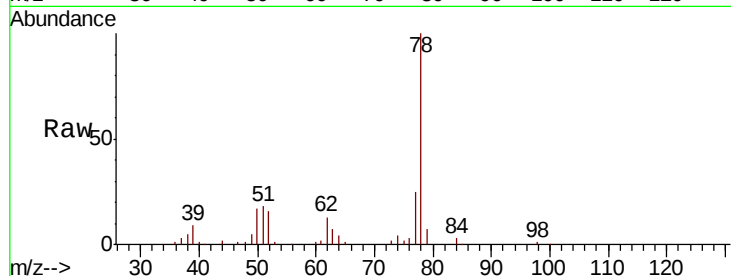




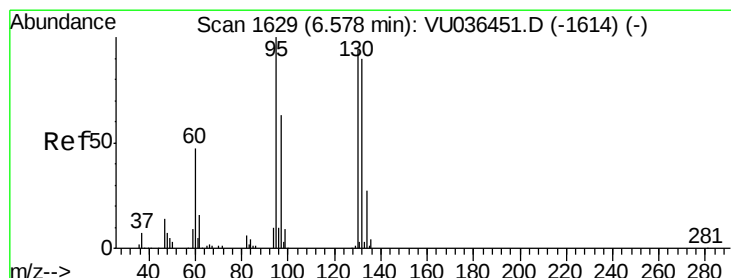
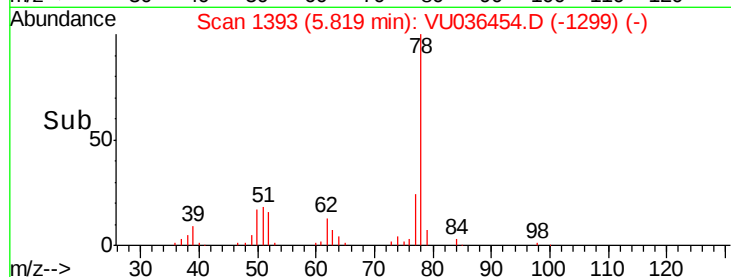
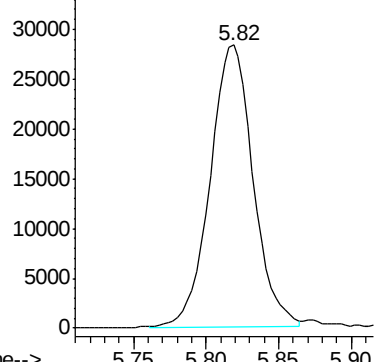
#33
Benzene
Concen: 4.339 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 58768



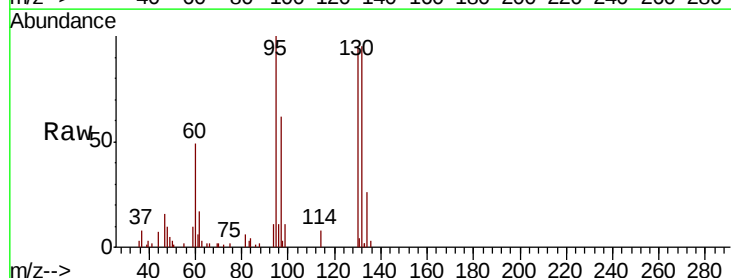
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 4.624 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 95 Resp: 16258

Ion	Ratio	Lower	Upper
95	100		
97	61.7	44.2	82.2
132	96.9	62.8	116.6
130	95.1	66.1	122.7

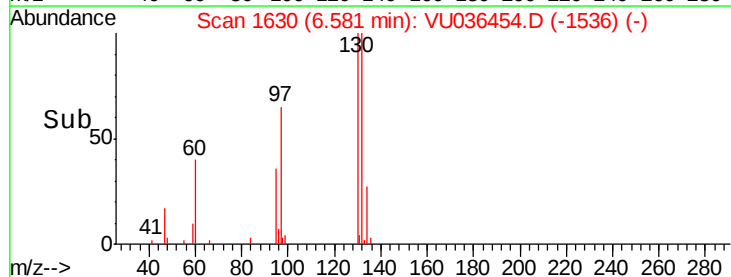
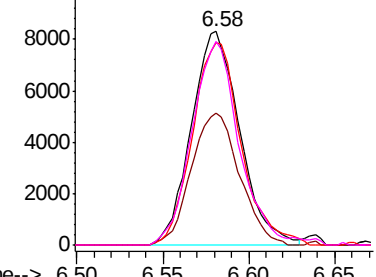


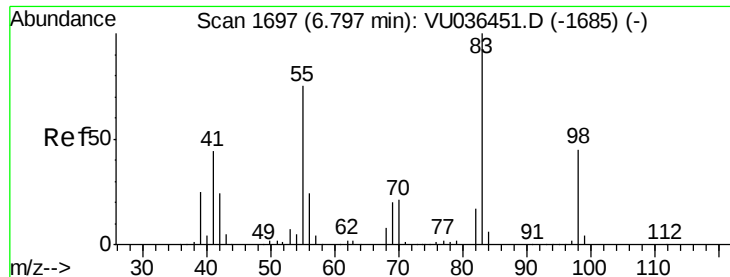
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

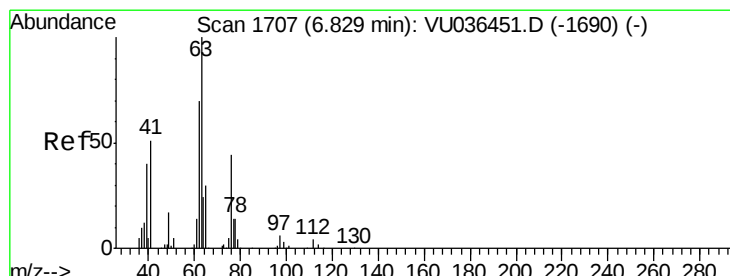
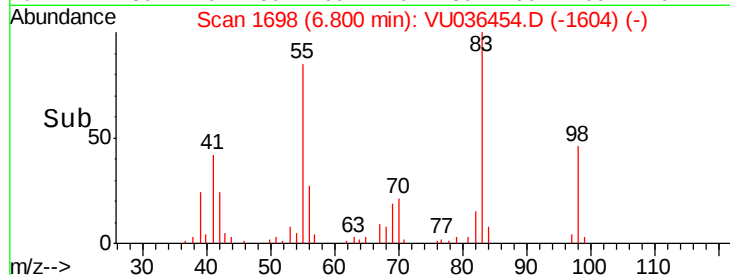
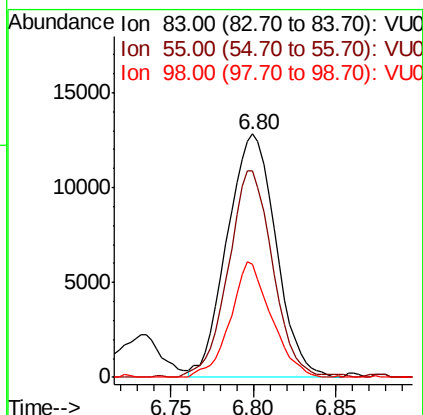
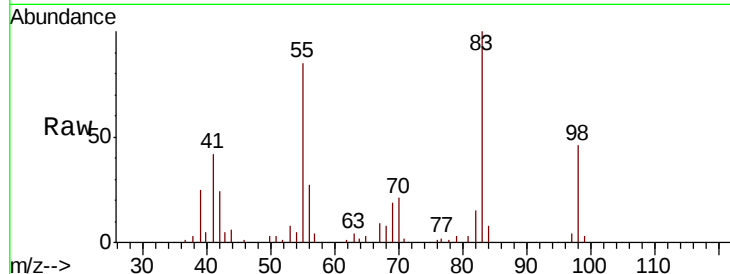




#35
Methvlcvclohexane
Concen: 4.701 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

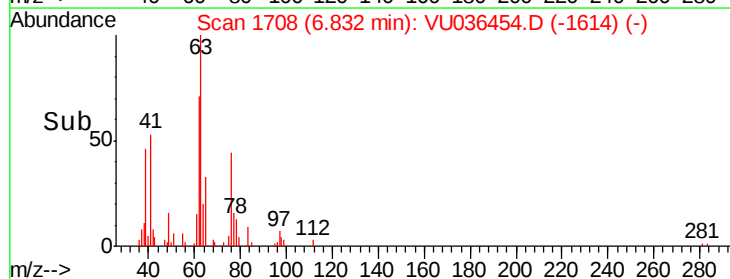
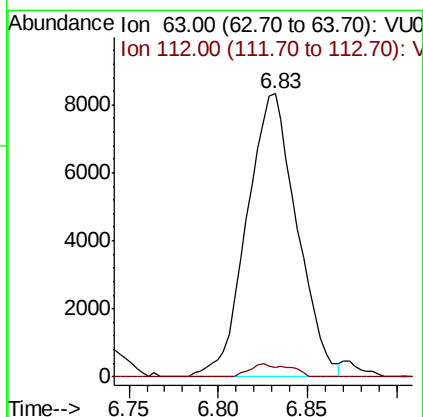
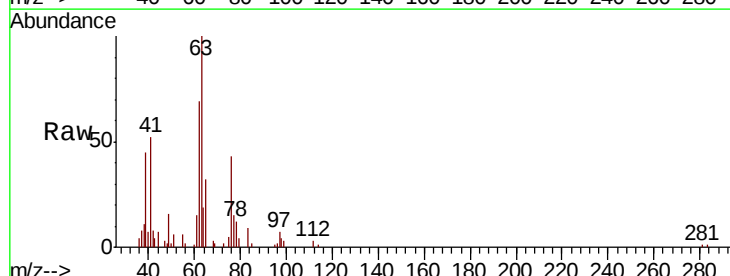
Instrument :
MSVOA_U
ClientSampleId :

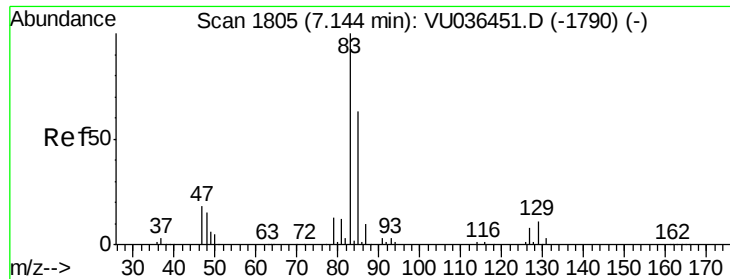
Tot Ion: 83 Resp: 26224
Ion Ratio Lower Upper
83 100
55 77.1 59.9 89.9
98 40.0 36.4 54.6



#37
1,2-Dichloropropane
Concen: 4.491 ug/L
RT: 6.83 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 63 Resp: 16350
Ion Ratio Lower Upper
63 100
112 2.1 3.0 4.4#





#38

Bromodichloromethane

Concen: 4.114 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :

MSVOA_U

ClientSampled :

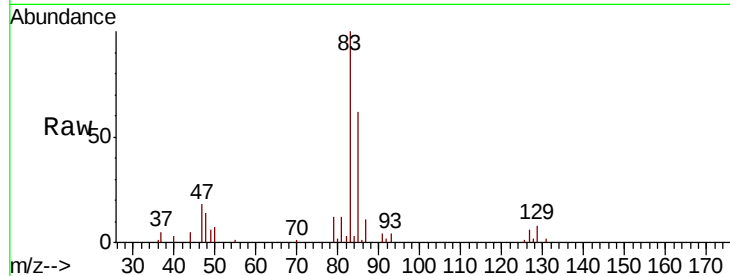
Tot Ion: 83 Resp: 21104

Ion Ratio Lower Upper

83 100

85 62.2 44.0 81.8

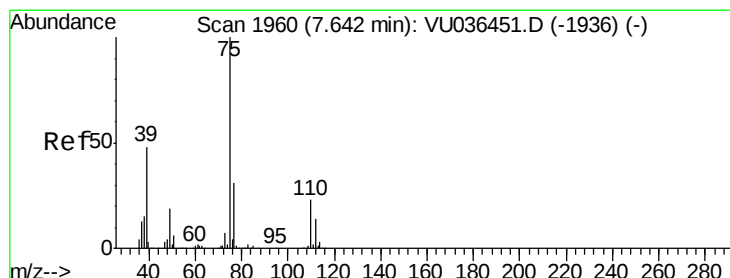
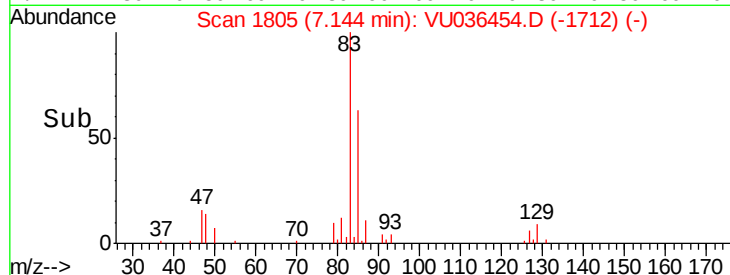
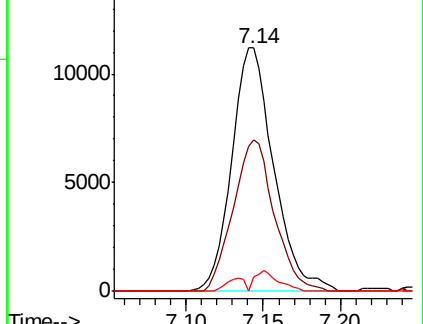
127 6.2 6.7 10.1#



Abundance Ion 83.00 (82.70 to 83.70): VU036454.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VU036454.D (-1712) (-)

Ion 127.00 (126.70 to 127.70): VU036454.D (-1712) (-)



#39

cis-1,3-Dichloropropene

Concen: 3.975 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036454.D

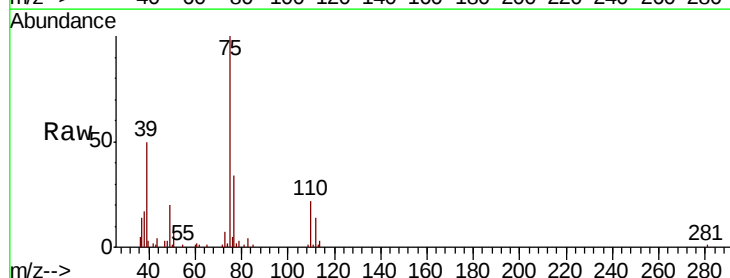
Acq: 14 Jan 2020 20:19

Tgt Ion: 75 Resp: 24376

Ion Ratio Lower Upper

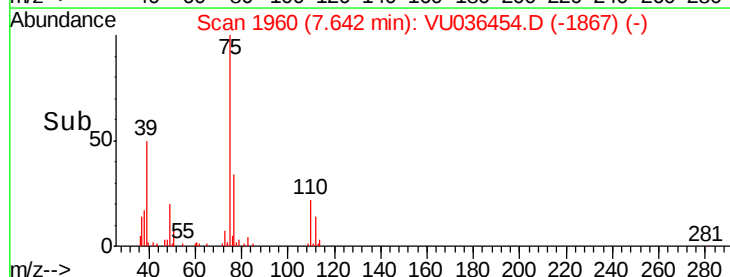
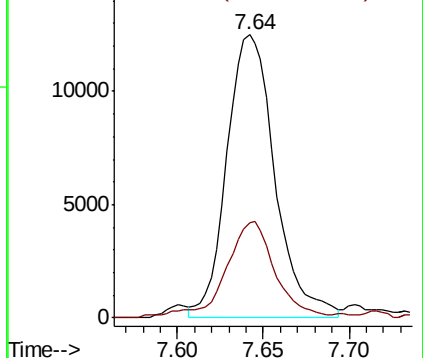
75 100

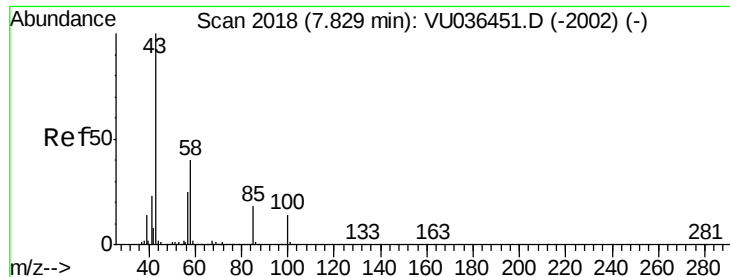
77 33.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036454.D (-1867) (-)

Ion 77.00 (76.70 to 77.70): VU036454.D (-1867) (-)

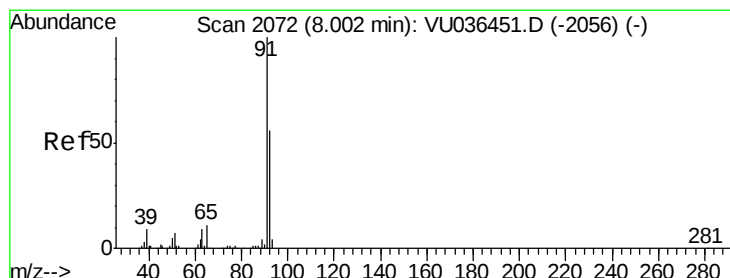
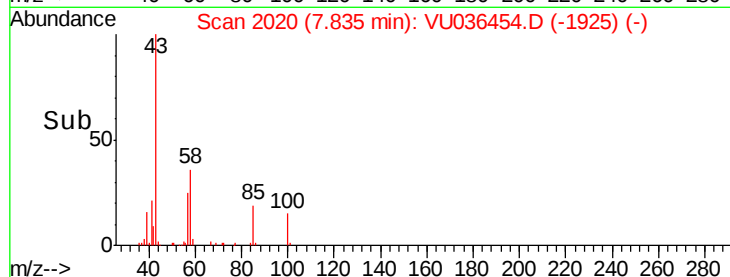
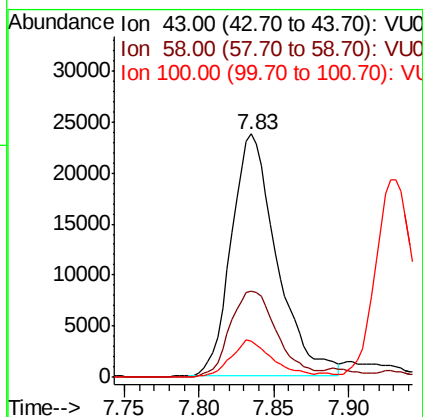
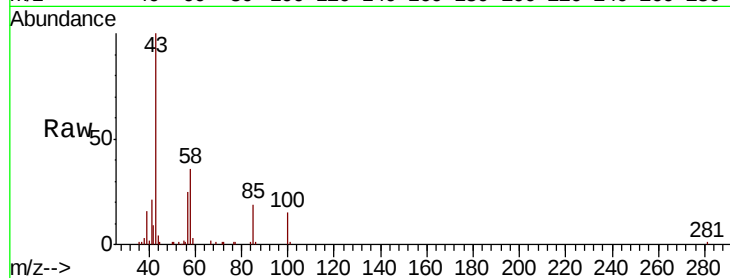




#40
4-Methyl-2-pentanone
Concen: 8.179 ug/L
RT: 7.83 min Scan# 2020
Delta R.T. 0.01 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

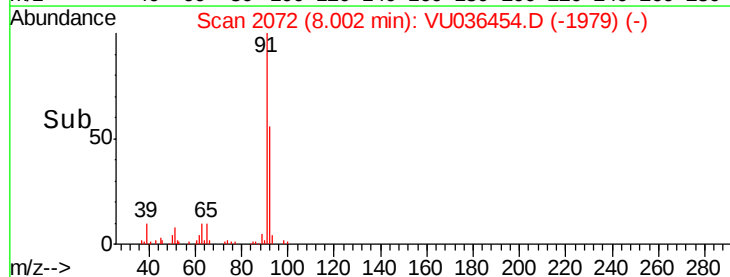
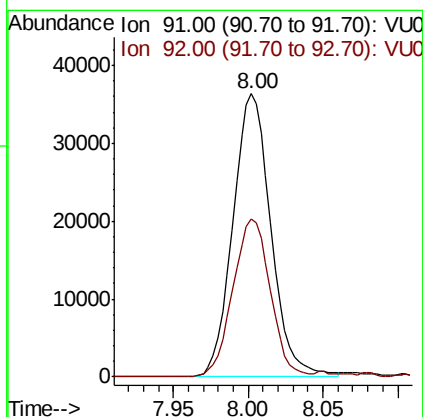
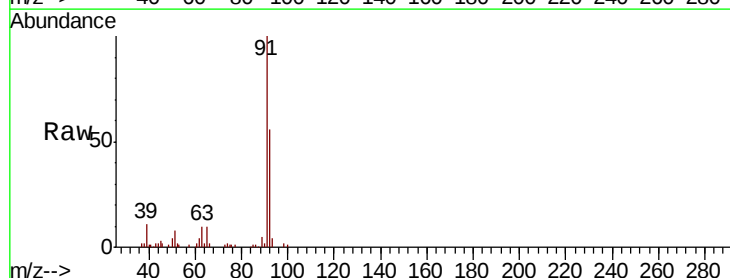
Instrument :
MSVOA_U
ClientSampled :

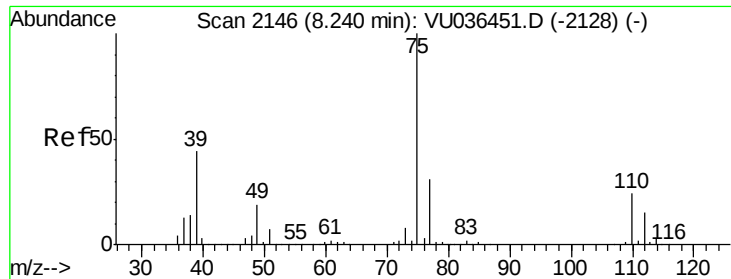
Tot Ion: 43 Resp: 50248
Ion Ratio Lower Upper
43 100
58 36.8 32.0 48.0
100 14.2 11.4 17.0



#42
Toluene
Concen: 4.313 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 91 Resp: 64312
Ion Ratio Lower Upper
91 100
92 56.0 39.5 73.3

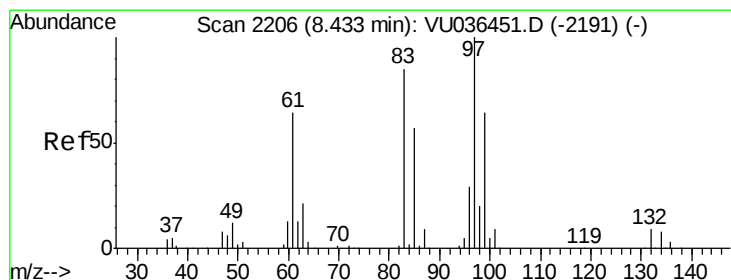
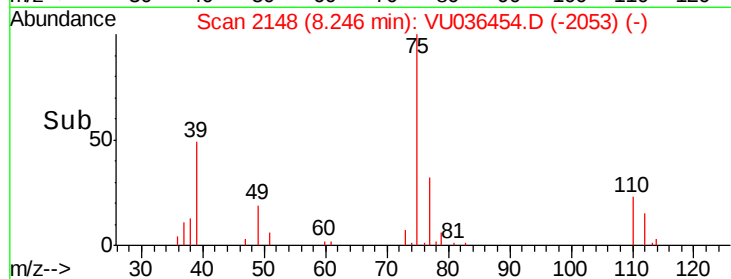
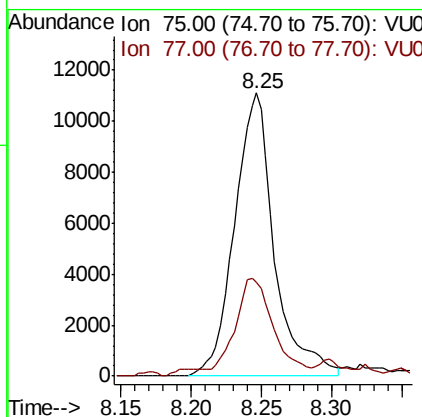
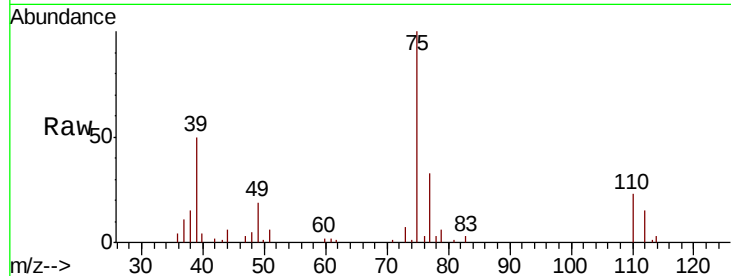




#44
trans-1,3-Dichloropropene
Concen: 3.847 ug/L
RT: 8.25 min Scan# 2148
Delta R.T. 0.01 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

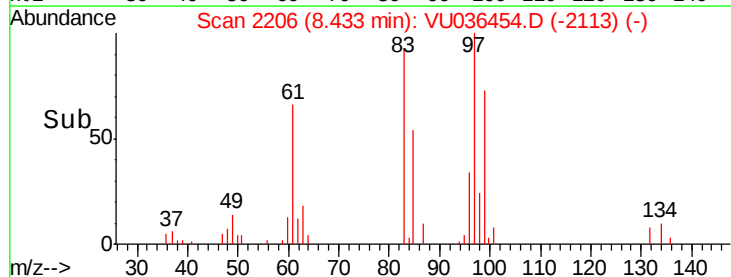
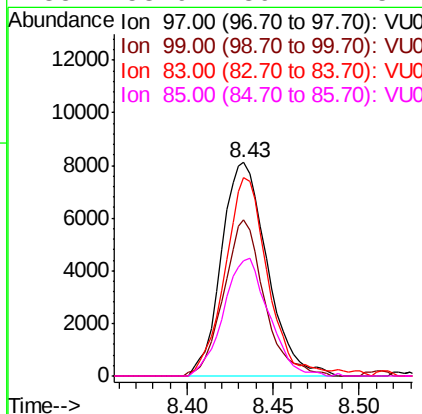
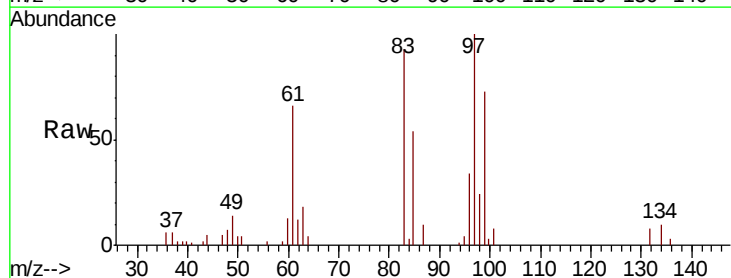
Instrument :
MSVOA_U
ClientSampled :

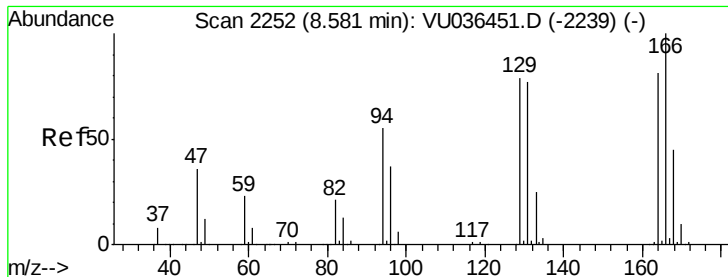
Tot Ion: 75 Resp: 21879
Ion Ratio Lower Upper
75 100
77 33.4 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 4.413 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 97 Resp: 15014
Ion Ratio Lower Upper
97 100
99 73.2 44.7 82.9
83 92.6 59.4 110.2
85 53.9 39.7 73.7

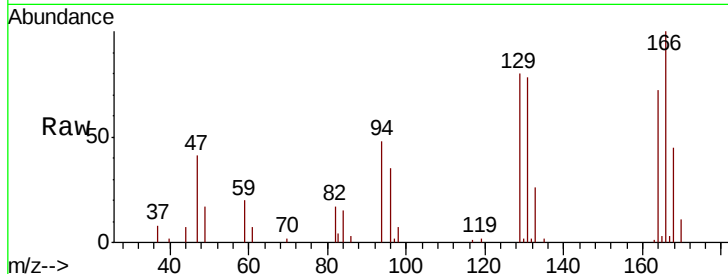




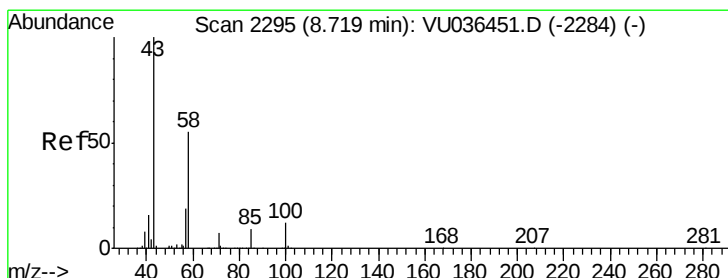
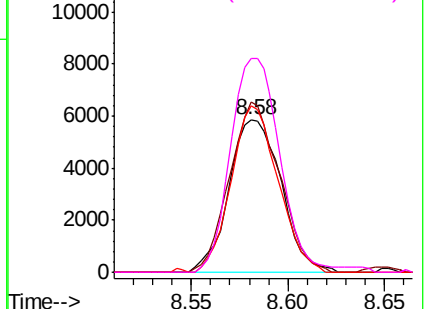
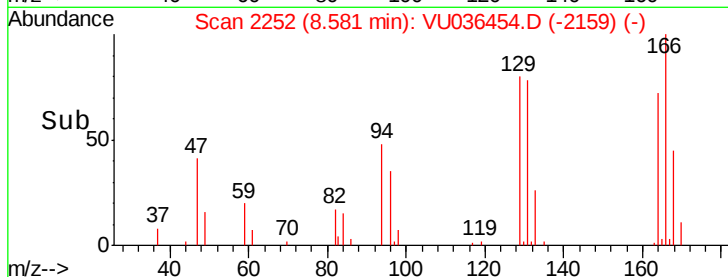
#46
Tetrachloroethene
Concen: 4.359 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 10934
Ion Ratio Lower Upper
164 100
129 111.6 68.1 126.5
131 112.1 66.6 123.6
166 139.8 86.5 160.7

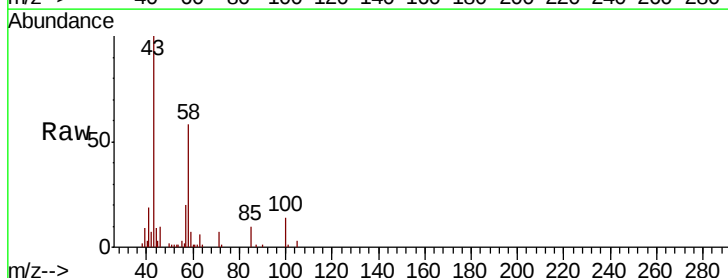


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

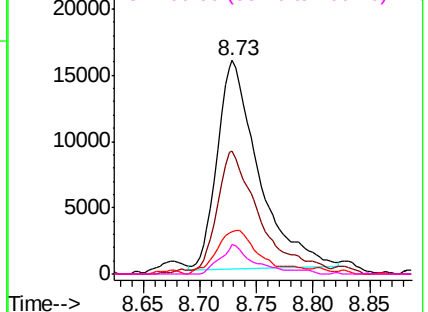
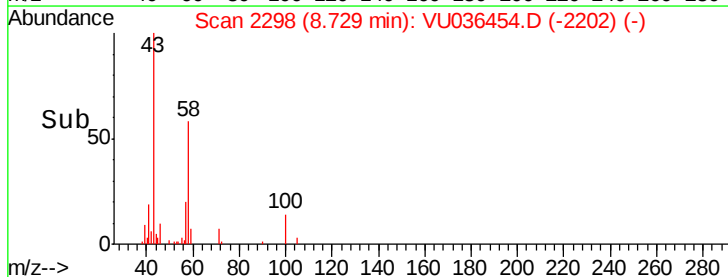


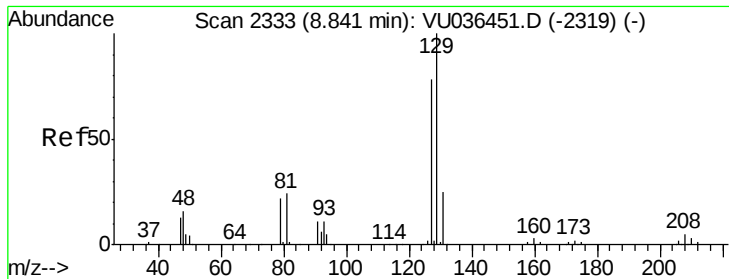
#48
2-Hexanone
Concen: 8.481 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. 0.01 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 43 Resp: 40041
Ion Ratio Lower Upper
43 100
58 61.3 43.7 65.5
57 20.0 14.7 22.1
100 11.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 3.452 ug/L

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

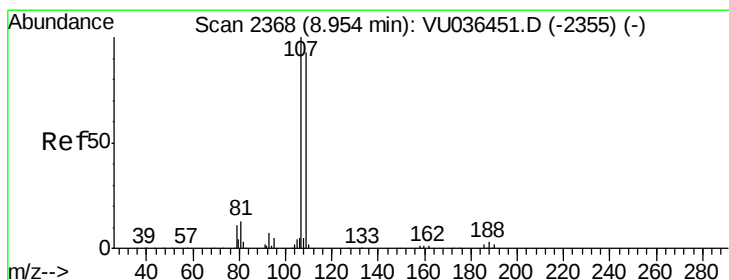
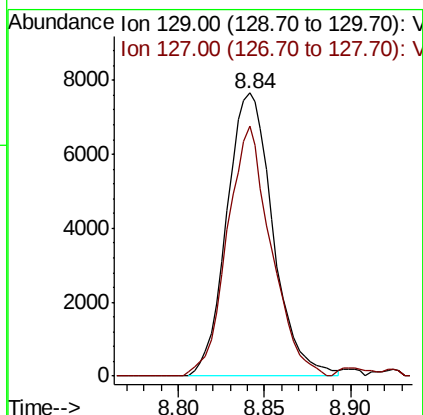
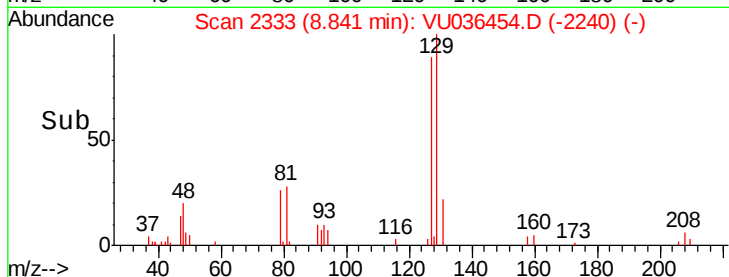
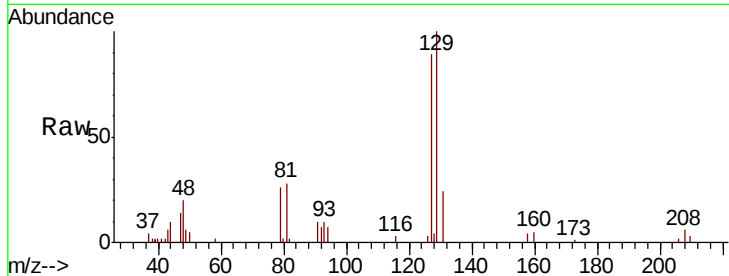
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 14286

Ion Ratio Lower Upper

129 100

127 88.5 54.7 101.7



#50

1,2-Dibromoethane

Concen: 4.220 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

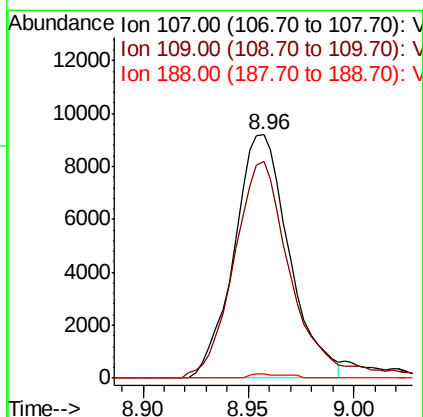
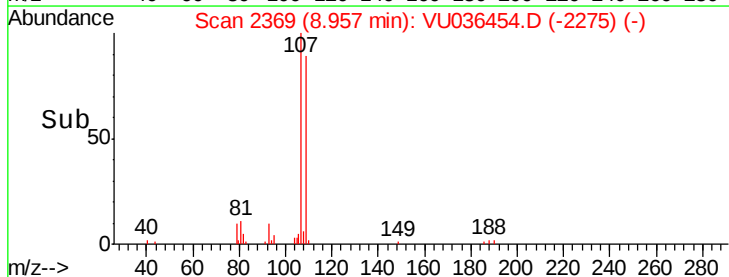
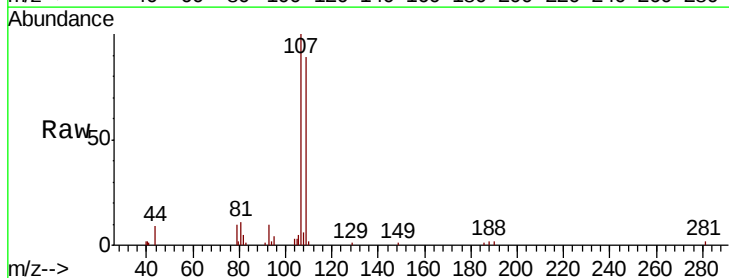
Tgt Ion:107 Resp: 16692

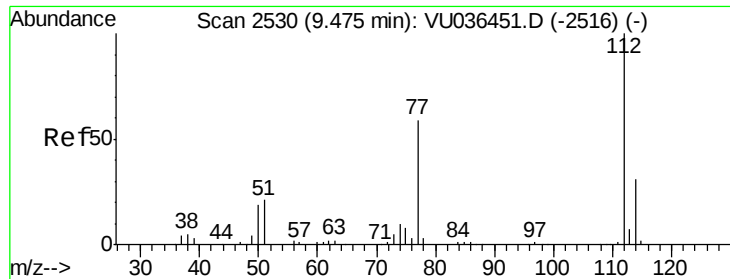
Ion Ratio Lower Upper

107 100

109 89.2 65.0 120.8

188 2.0 2.6 4.0#

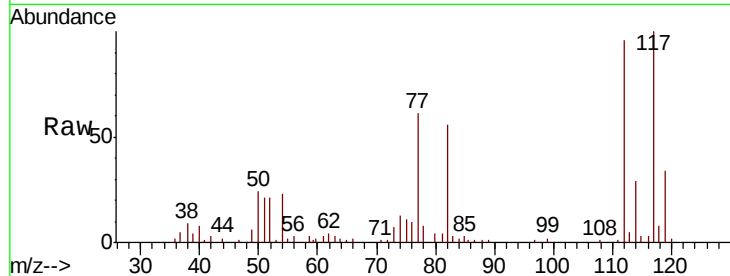




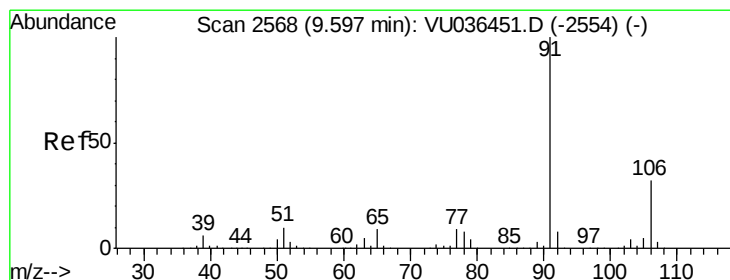
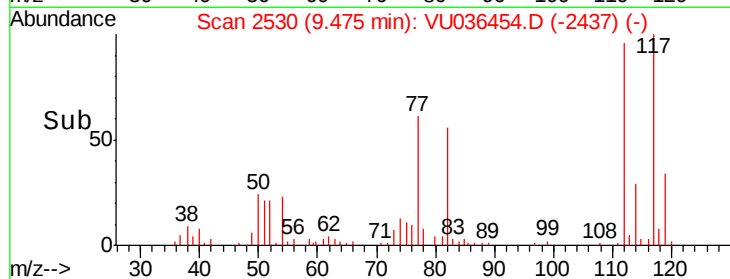
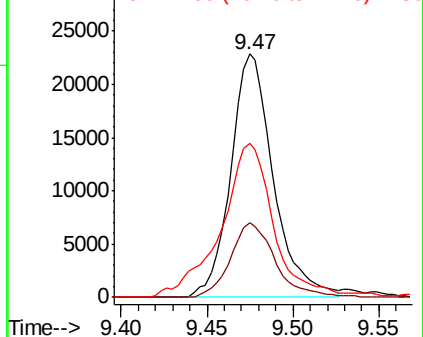
#51
Chlorobenzene
Concen: 4.205 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 112 Resp: 39446
Ion Ratio Lower Upper
112 100
114 30.7 22.0 41.0
77 63.3 47.8 71.8

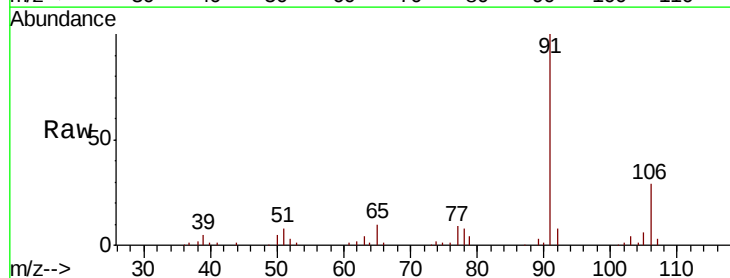


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

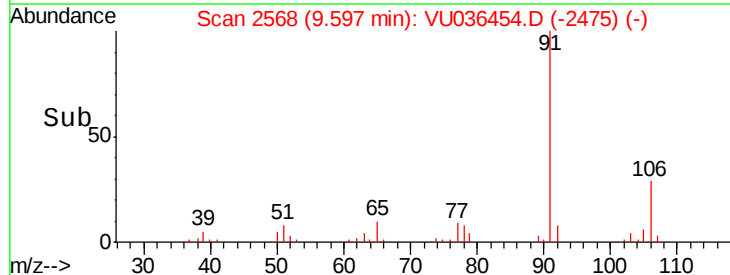
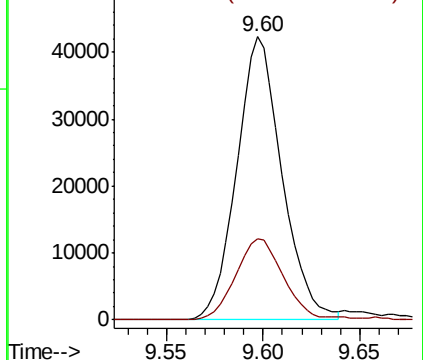


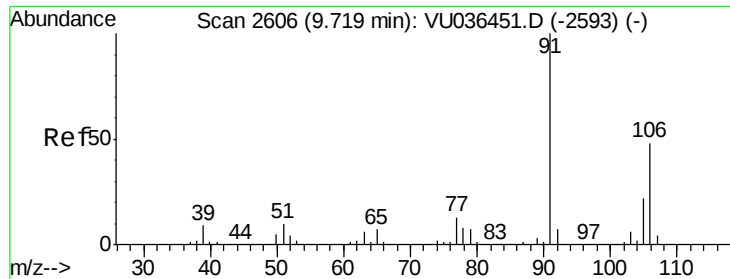
#52
Ethylbenzene
Concen: 4.074 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion: 91 Resp: 68855
Ion Ratio Lower Upper
91 100
106 28.8 22.3 41.3



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





#53

m,p-Xylene

Concen: 4.202 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

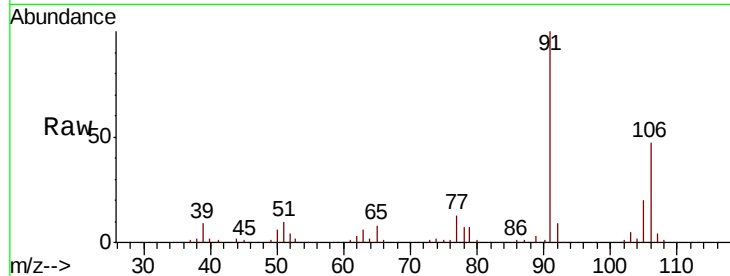
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 26321

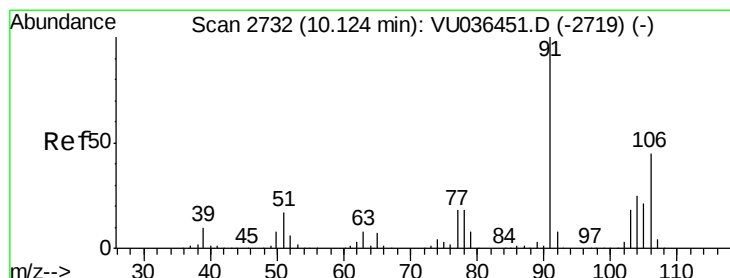
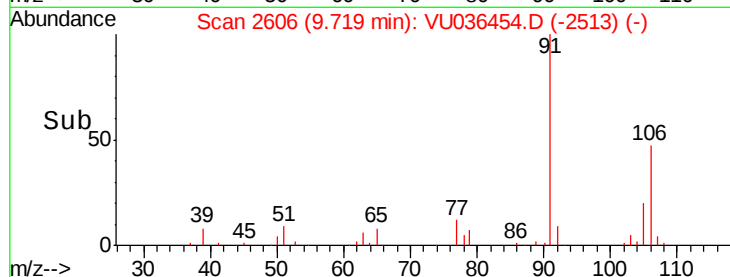
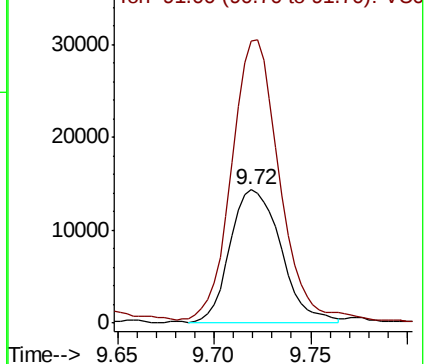
Ion Ratio Lower Upper

106 100

91 211.5 145.9 270.9



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



#54

o-xylene

Concen: 4.053 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036454.D

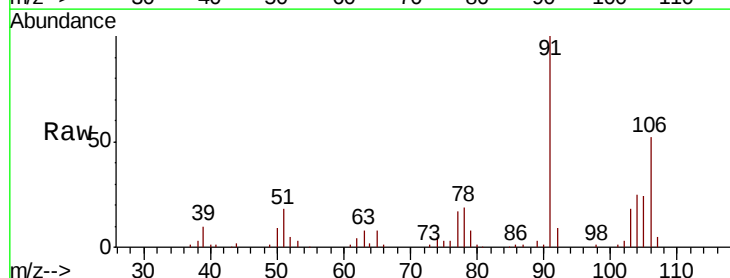
Acq: 14 Jan 2020 20:19

Tgt Ion:106 Resp: 25522

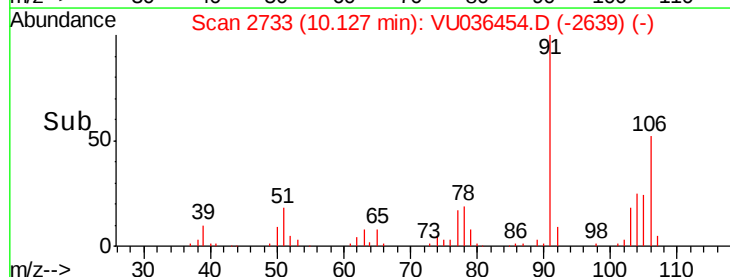
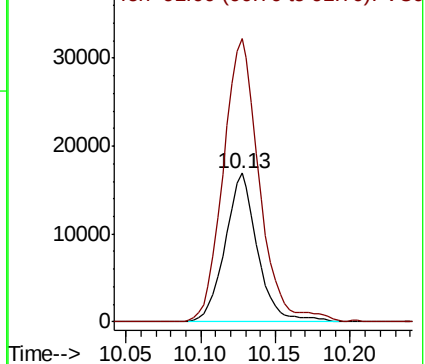
Ion Ratio Lower Upper

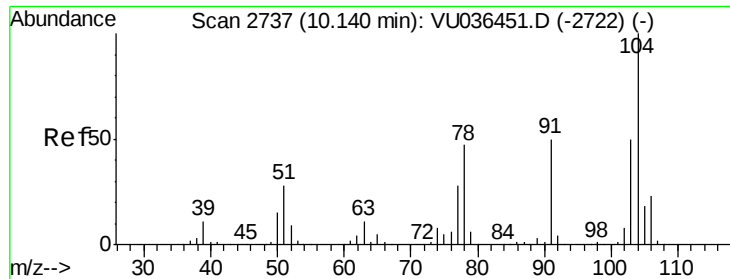
106 100

91 190.7 156.4 290.4



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





#55

Stvrene

Concen: 3.548 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :

MSVOA_U

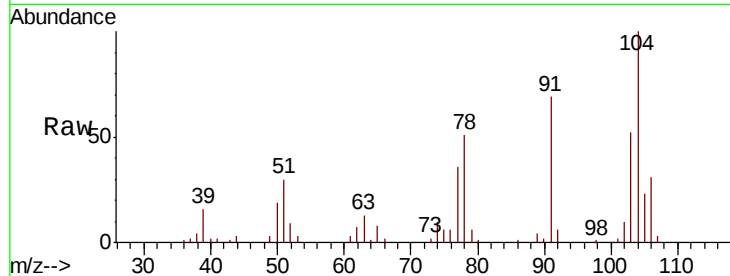
ClientSampleId :

Tot Ion:104 Resp: 37594

Ion Ratio Lower Upper

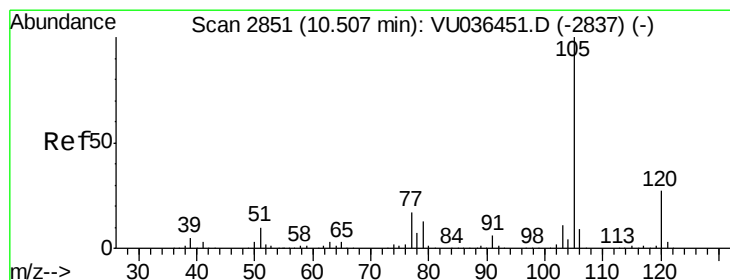
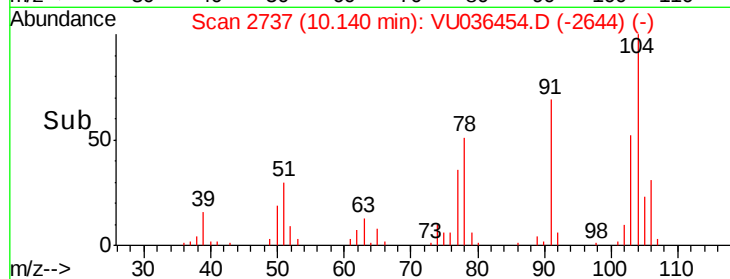
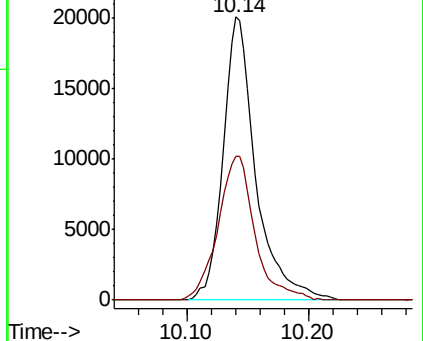
104 100

78 50.9 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 3.942 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

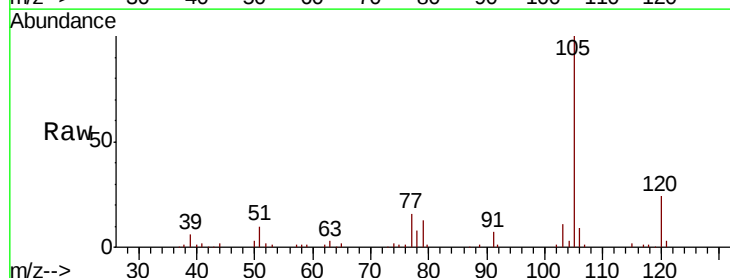
Tgt Ion:105 Resp: 64601

Ion Ratio Lower Upper

105 100

120 26.0 21.5 32.3

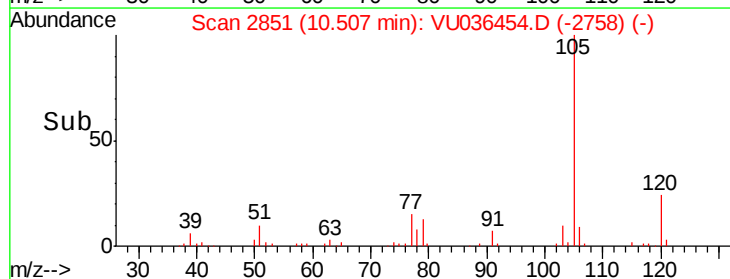
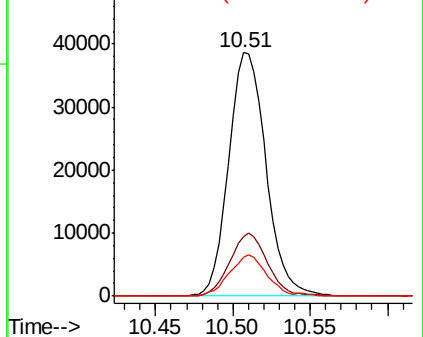
77 16.6 13.4 20.2

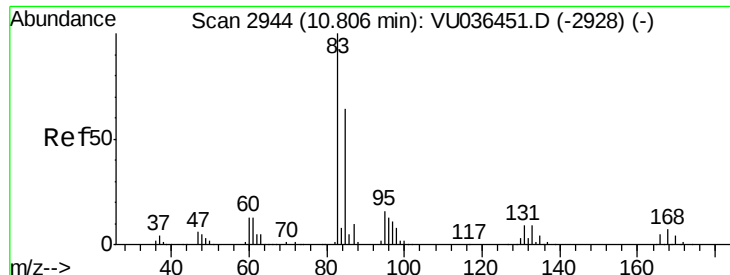


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.584 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036454.D

Acq: 14 Jan 2020 20:19

Instrument :

MSVOA_U

ClientSampleId :

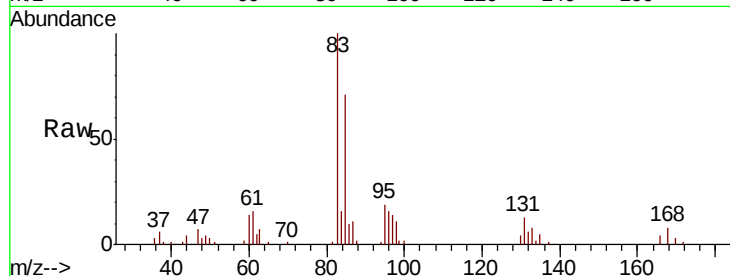
Tot Ion: 83 Resp: 22984

Ion Ratio Lower Upper

83 100

85 71.5 44.7 82.9

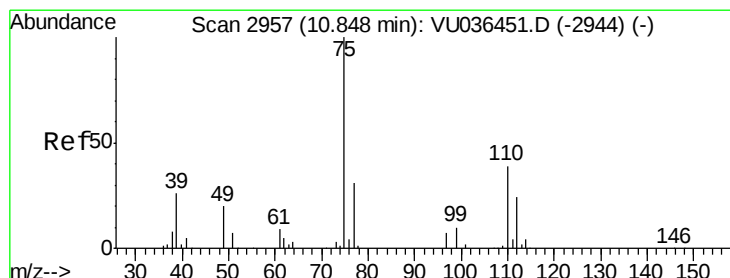
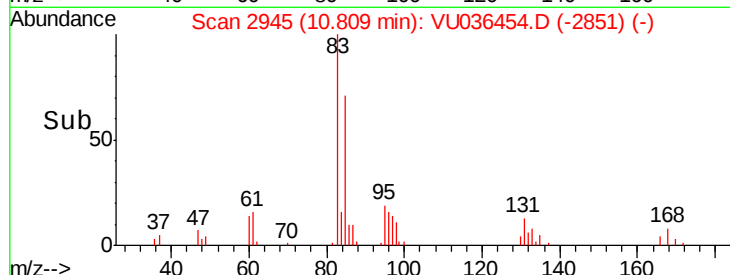
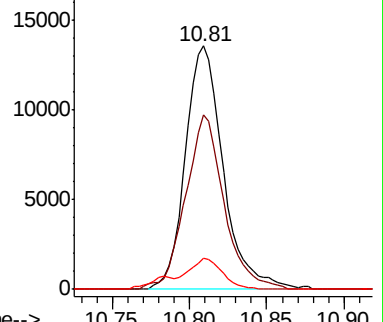
131 12.7 7.0 10.6#



Abundance Ion 83.00 (82.70 to 83.70): VU036451.D (-2928) (-)

Ion 85.00 (84.70 to 85.70): VU036451.D (-2928) (-)

Ion 131.00 (130.70 to 131.70): VU036451.D (-2928) (-)



#59

1,2,3-Trichloropropane

Concen: 4.224 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036454.D

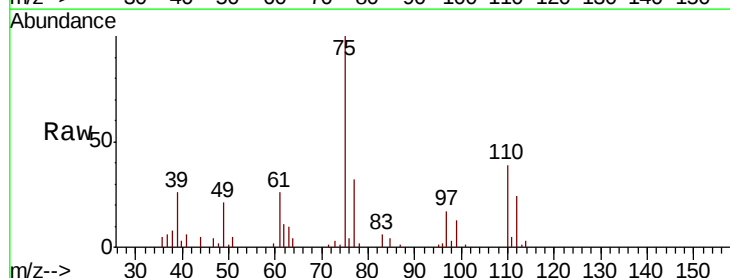
Acq: 14 Jan 2020 20:19

Tgt Ion: 75 Resp: 21629

Ion Ratio Lower Upper

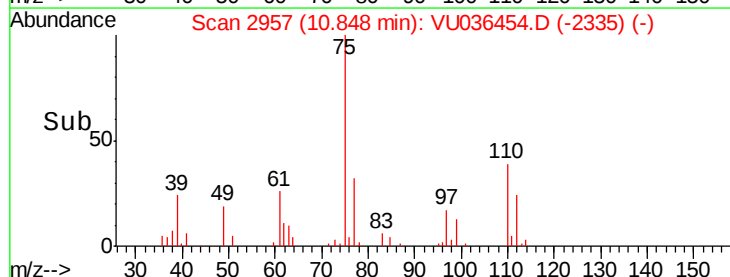
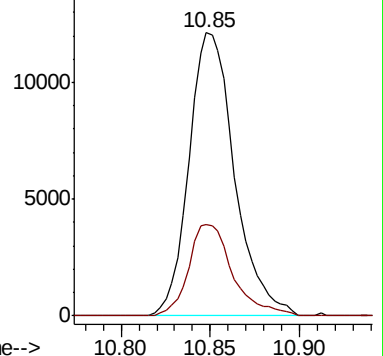
75 100

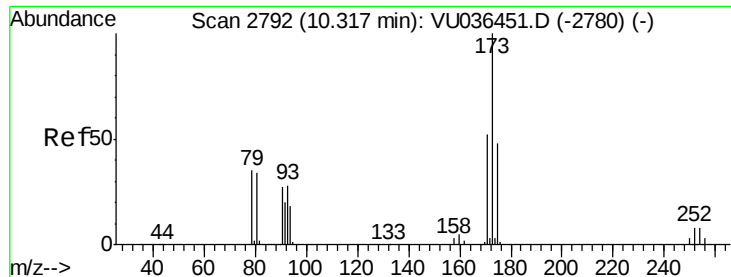
77 31.3 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU036451.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036451.D (-2944) (-)

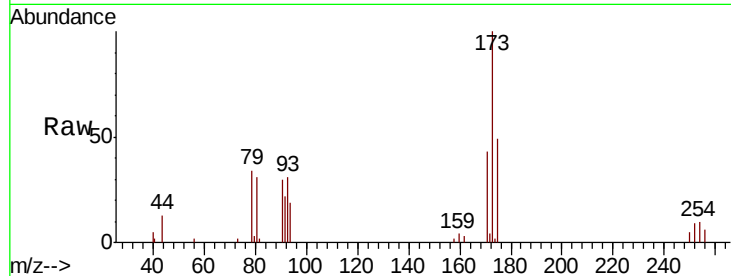




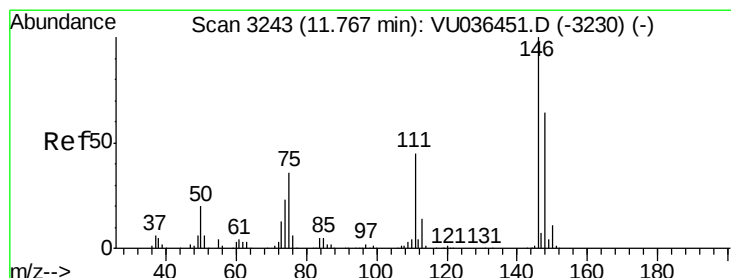
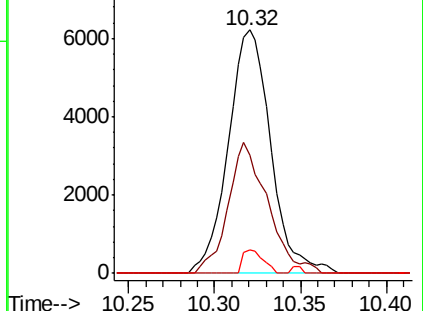
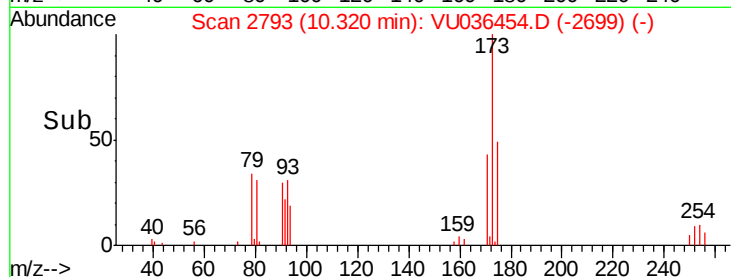
#61
Bromoform
Concen: 4.318 ug/L
RT: 10.32 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:173 Resp: 10679
Ion Ratio Lower Upper
173 100
175 48.9 39.6 59.4
254 4.6 6.3 9.5#

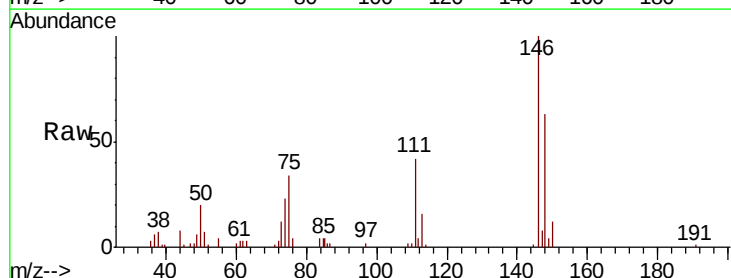


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

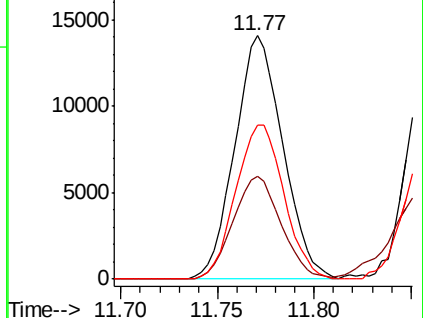
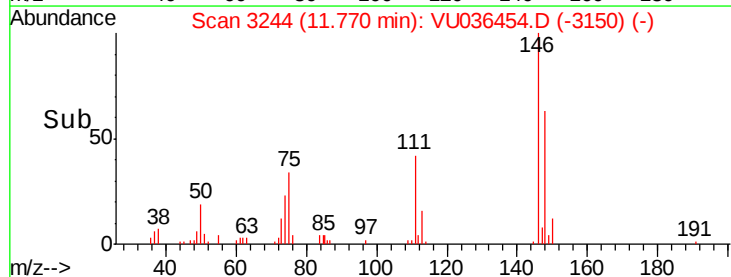


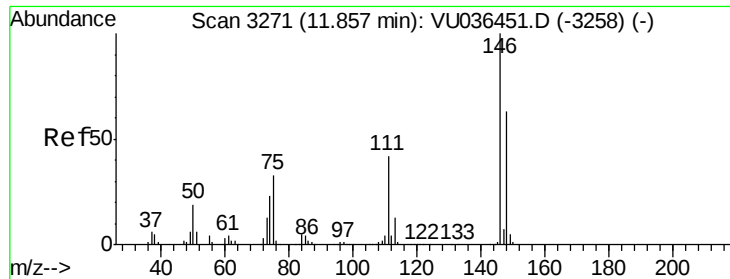
#62
1,3-Dichlorobenzene
Concen: 4.466 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. 0.00 min
Lab File: VU036454.D
Acq: 14 Jan 2020 20:19

Tgt Ion:146 Resp: 24275
Ion Ratio Lower Upper
146 100
111 42.5 31.3 58.1
148 63.5 44.7 82.9



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

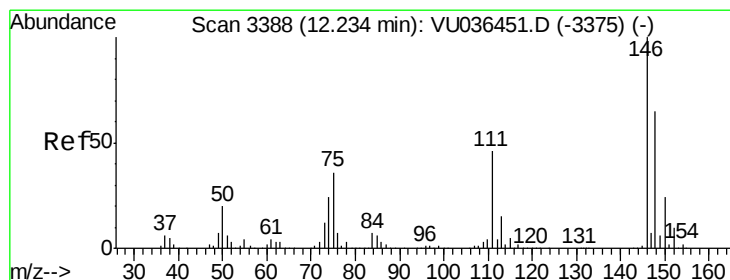
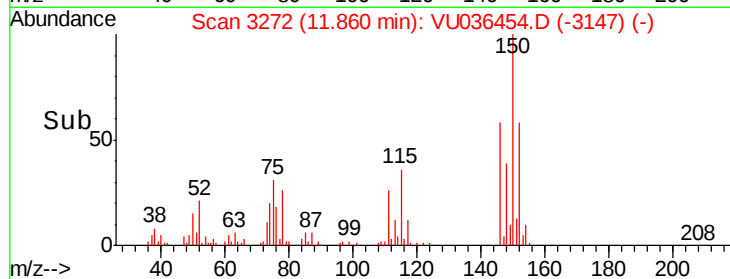
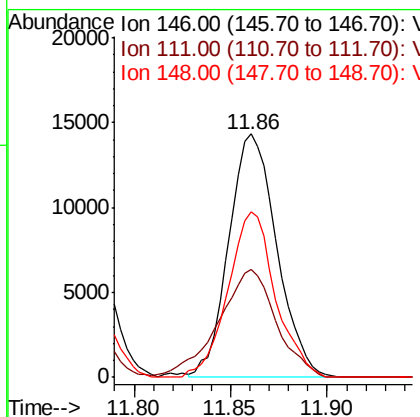
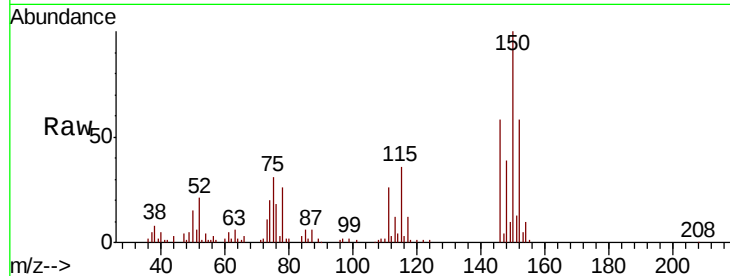




#63
 1,4-Dichlorobenzene
 Concen: 4.573 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

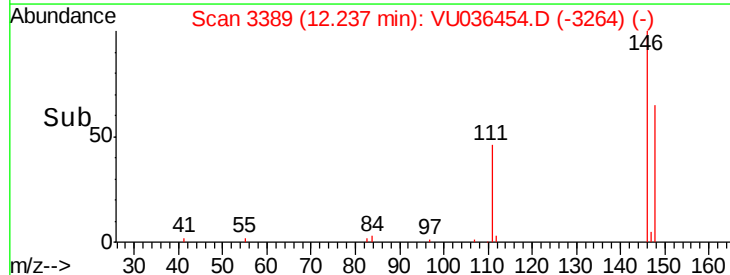
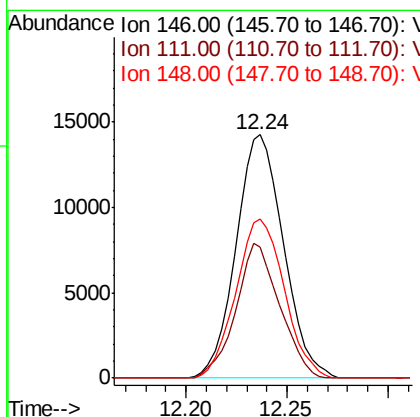
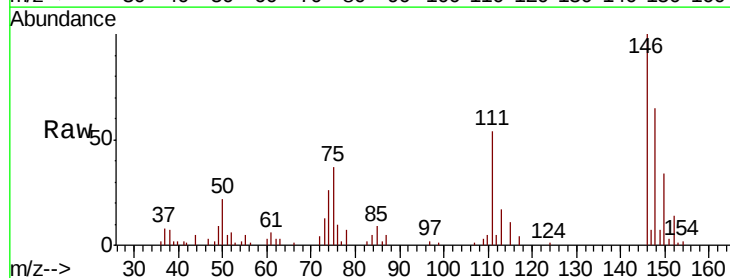
Instrument :
 MSVOA_U
 ClientSampleId :

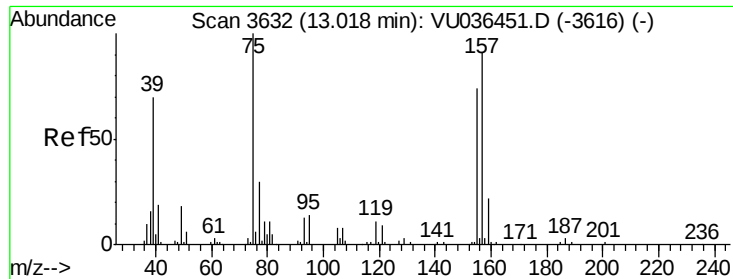
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	29.3	54.3
148	68.2	43.8	81.3



#65
 1,2-Dichlorobenzene
 Concen: 4.326 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.6	37.0	55.4
148	65.2	52.3	78.5

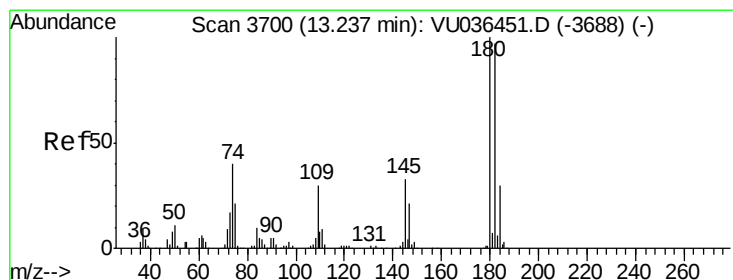
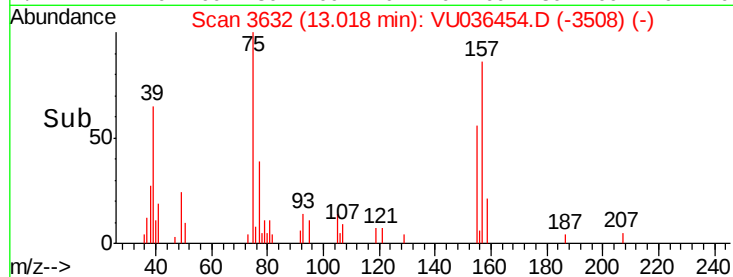
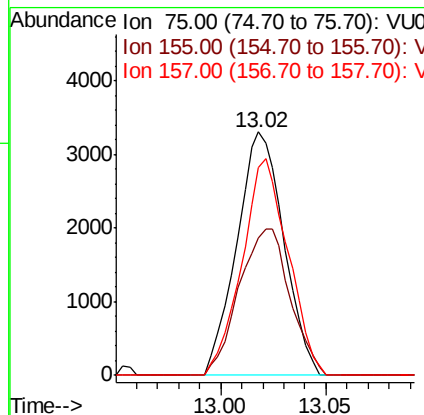
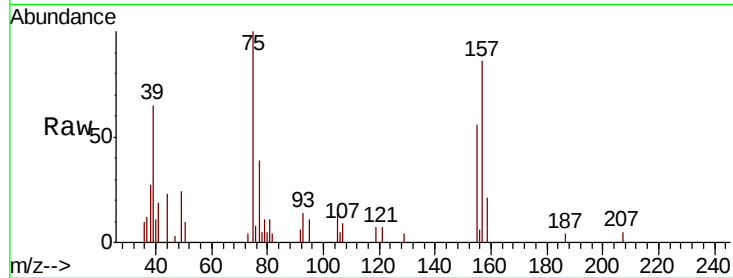




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.047 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

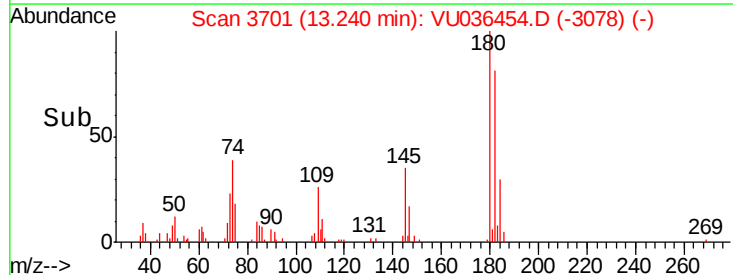
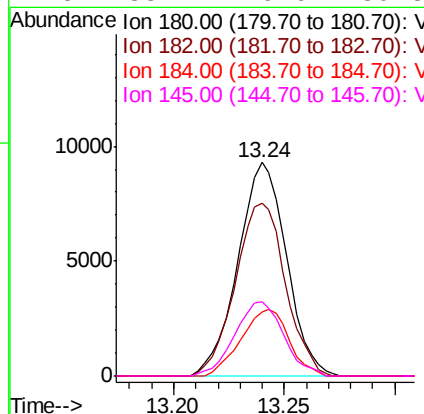
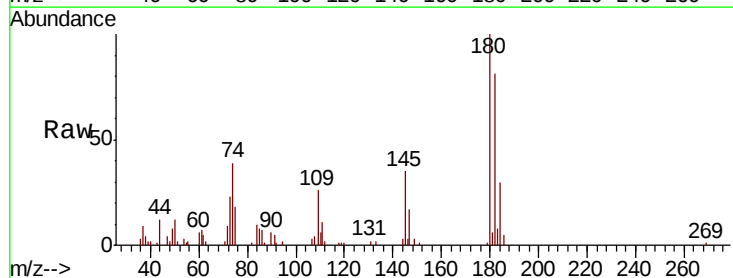
Instrument :
 MSVOA_U
 ClientSampleId :

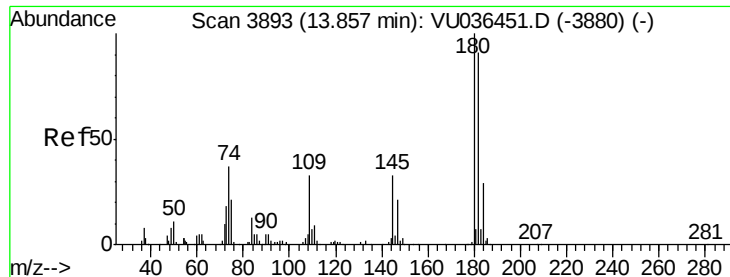
Tot Ion: 75 Resp: 5090
 Ion Ratio Lower Upper
 75 100
 155 56.2 59.1 88.7#
 157 85.5 72.7 109.1



#67
 1,3,5-Trichlorobenzene
 Concen: 4.012 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Tgt Ion:180 Resp: 14230
 Ion Ratio Lower Upper
 180 100
 182 83.5 75.8 113.6
 184 30.7 24.4 36.6
 145 35.1 26.6 39.8

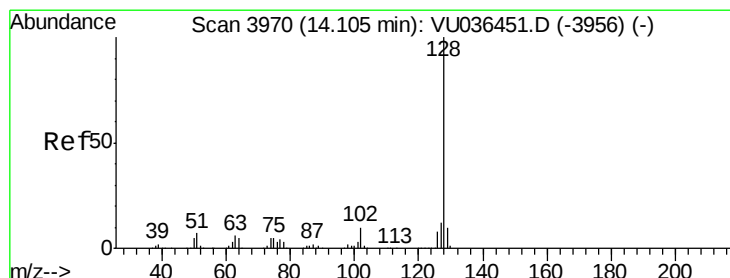
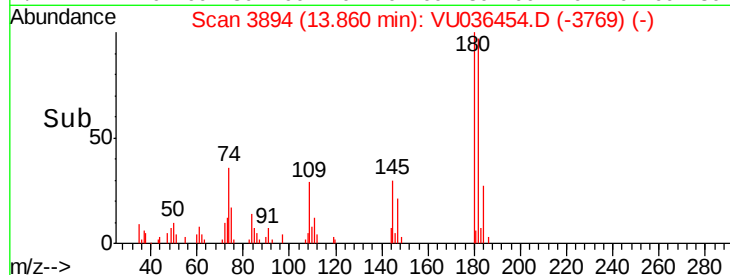
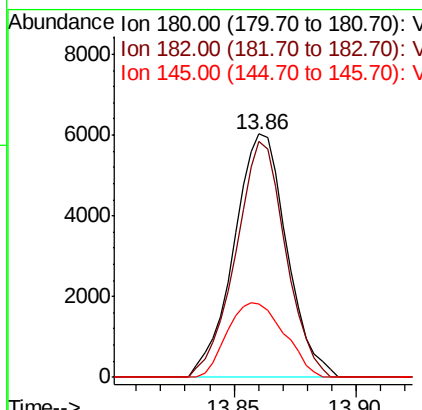
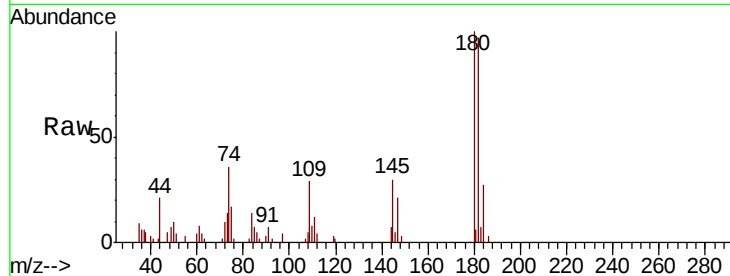




#68
 1,2,4-trichlorobenzene
 Concen: 3.386 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

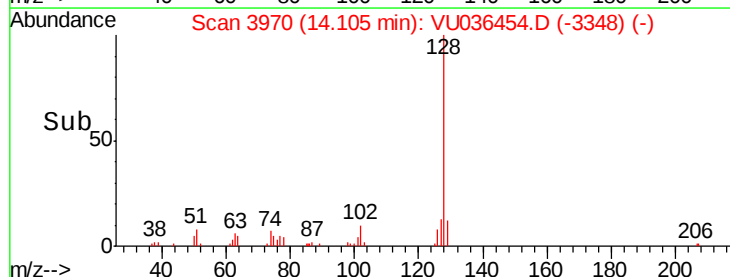
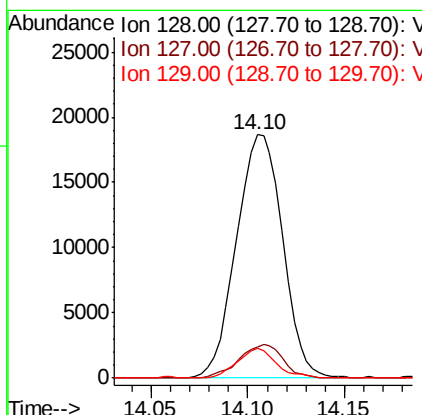
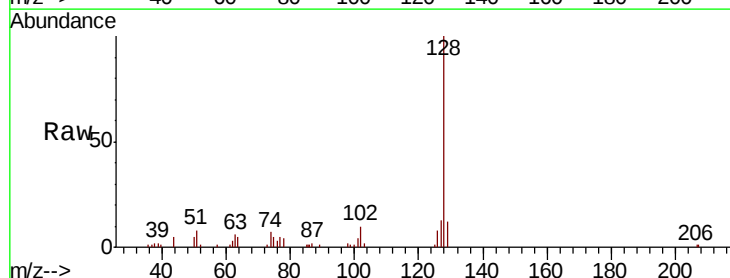
Instrument :
 MSVOA_U
 ClientSampleId :

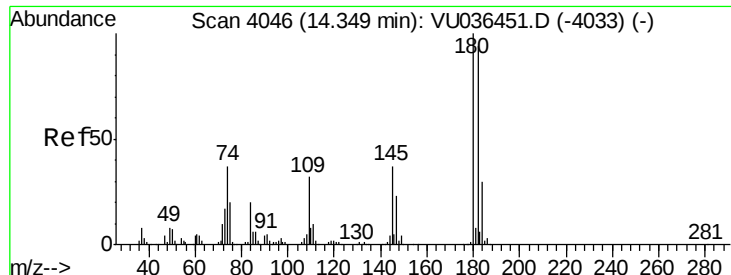
Tot Ion:180 Resp: 9067
 Ion Ratio Lower Upper
 180 100
 182 91.3 74.1 111.1
 145 32.9 26.6 40.0



#69
 Naphthalene
 Concen: 3.428 ug/L
 RT: 14.10 min Scan# 3970
 Delta R.T. -0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Tgt Ion:128 Resp: 31076
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.0 15.0
 129 10.3 8.6 12.8

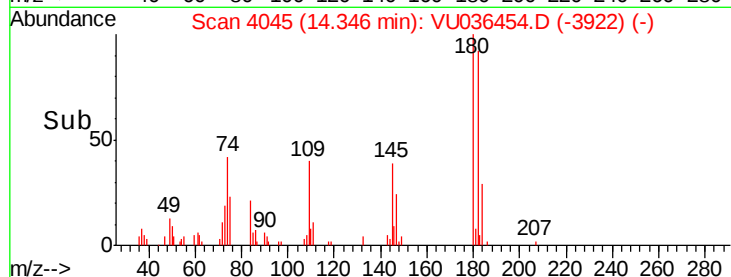
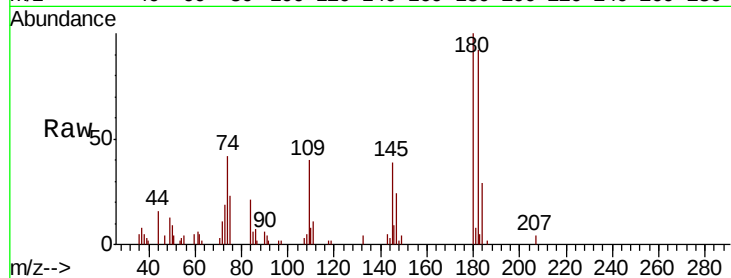




#70
 1,2,3-Trichlorobenzene
 Concen: 3.471 ug/L
 RT: 14.35 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: VU036454.D
 Acq: 14 Jan 2020 20:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.1	115.7
145	37.3	29.2	43.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

