

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035780.D
 Acq On : 19 Nov 2019 19:47
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:42:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	191475	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	219933	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	120340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	77973	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.93	69	77159	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.60	63	155211	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.70	46	234343	53.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.70%
24) Chloroform-d	5.11	84	166602	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.75	65	84431	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	315422	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.73	67	105873	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.93	98	298294	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.21	79	40512	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.68	63	175670	50.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.28%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	98961	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	109548	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	122329	5.938	ug/L 98
3) Chloromethane	1.54	50	128030	5.388	ug/L 99
5) Vinyl chloride	1.62	62	142389	5.849	ug/L 97
6) Bromomethane	1.87	94	74772	5.387	ug/L 99
8) Chloroethane	1.95	64	82728	5.923	ug/L 98
9) Trichlorofluoromethane	2.16	101	180488	6.077	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104176	5.938	ug/L 99
12) 1,1-Dichloroethene	2.61	96	99937	5.936	ug/L 88
13) Acetone	2.67	43	180602	57.566	ug/L 100
14) Carbon disulfide	2.82	76	309720	5.673	ug/L 100
15) Methyl Acetate	3.00	43	41883	5.747	ug/L 99
16) Methylene chloride	3.08	84	117644	5.893	ug/L 96
17) Methyl tert-butyl Ether	3.42	73	214127	5.426	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	98286	5.668	ug/L 99
19) 1,1-Dichloroethane	3.92	63	192644	5.984	ug/L 99
21) 2-Butanone	4.78	43	257738	55.327	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	110672	5.781	ug/L 100

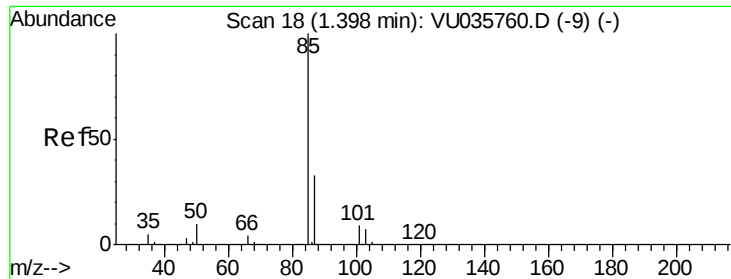
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	53820	5.934	ug/L	97
25) Chloroform	5.14	83	204990	5.856	ug/L	99
27) 1,2-Dichloroethane	5.84	62	113958	5.849	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	166471	5.750	ug/L	99
30) Cyclohexane	5.43	56	138753	4.794	ug/L	99
31) Carbon tetrachloride	5.57	117	148316	5.684	ug/L	98
33) Benzene	5.82	78	426416	5.509	ug/L	100
34) Trichloroethene	6.58	95	107856	5.445	ug/L	98
35) Methylcyclohexane	6.80	83	142957	4.737	ug/L	98
37) 1,2-Dichloropropane	6.83	63	114206	5.600	ug/L	99
38) Bromodichloromethane	7.14	83	138362	5.607	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	141546	4.863	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	606042	51.680	ug/L	99
42) Toluene	8.00	91	474444	5.826	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	123707	5.316	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	83256	5.701	ug/L	98
47) Tetrachloroethene	8.58	164	95418	5.528	ug/L	99
48) 2-Hexanone	8.73	43	456909	54.824	ug/L	99
49) Dibromochloromethane	8.84	129	105440	5.852	ug/L	99
50) 1,2-Dibromoethane	8.96	107	77607	5.601	ug/L	99
51) Chlorobenzene	9.48	112	297819	5.570	ug/L	99
52) Ethylbenzene	9.60	91	448617	5.235	ug/L	99
53) m,p-Xylene	9.73	106	182543	5.625	ug/L	99
54) o-Xylene	10.13	106	169853	5.416	ug/L	100
55) Styrene	10.14	104	292839	5.648	ug/L	100
56) Isopropylbenzene	10.51	105	443626	5.360	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	103834	5.441	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	74321	5.510	ug/L	97
61) Bromoform	10.32	173	62082	5.676	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	217259	5.369	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	210175	5.394	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	203839	5.368	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	12490	5.169	ug/L	89
67) 1,3,5-Trichlorobenzene	13.24	180	118615	4.548	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	62067	3.950	ug/L	96
69) Naphthalene	14.11	128	68269	3.528	ug/L	97
70) 1,2,3-Trichlorobenzene	14.35	180	62647	4.123	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.938 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

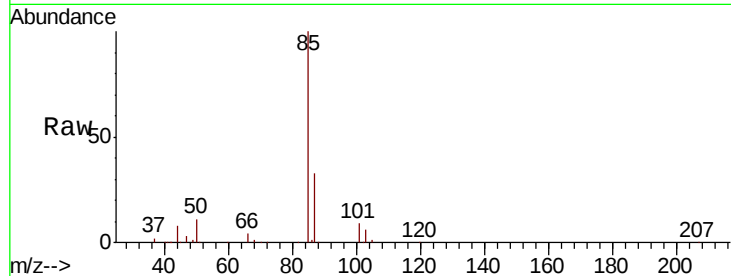
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 122329

Ion Ratio Lower Upper

85 100

87 32.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VU035780.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035780.D (-1) (-)

1.39

120000

100000

80000

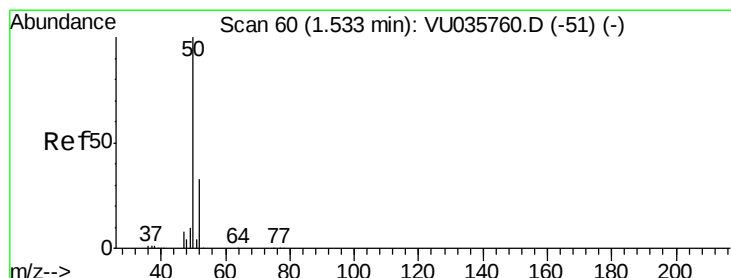
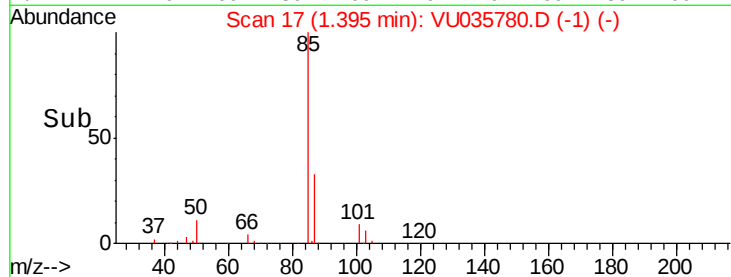
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.388 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035780.D

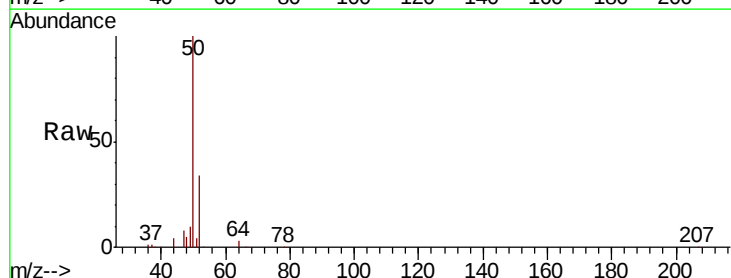
Acq: 19 Nov 2019 19:47

Tgt Ion: 50 Resp: 128030

Ion Ratio Lower Upper

50 100

52 34.0 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU035780.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035780.D (-1) (-)

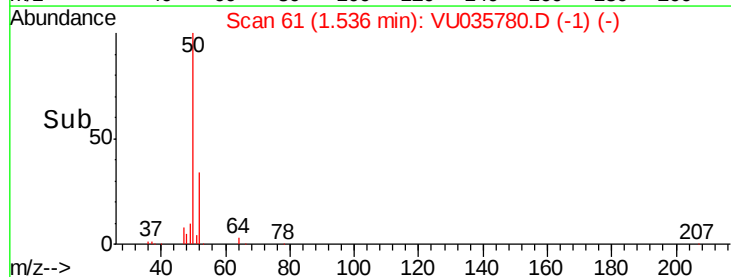
1.54

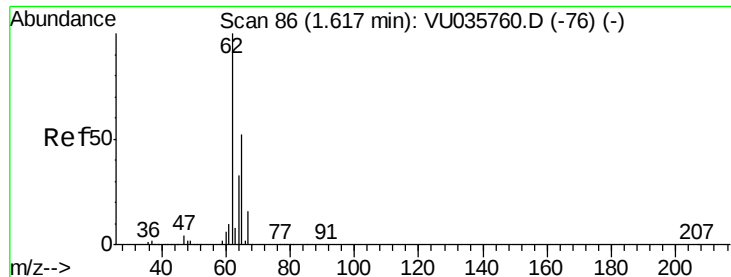
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.849 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

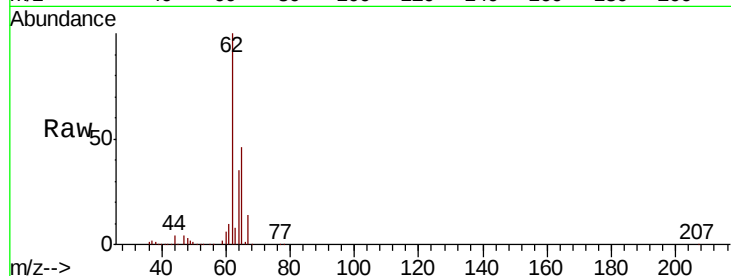
ClientSampled :

Tot Ion: 62 Resp: 142389

Ion Ratio Lower Upper

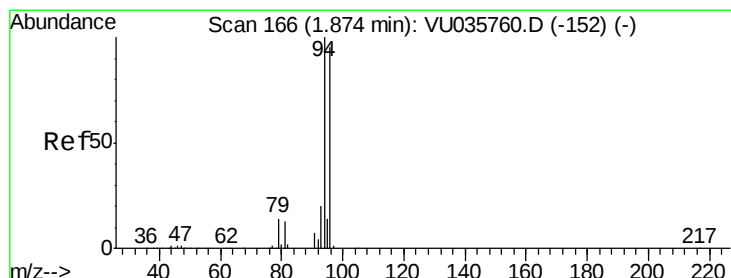
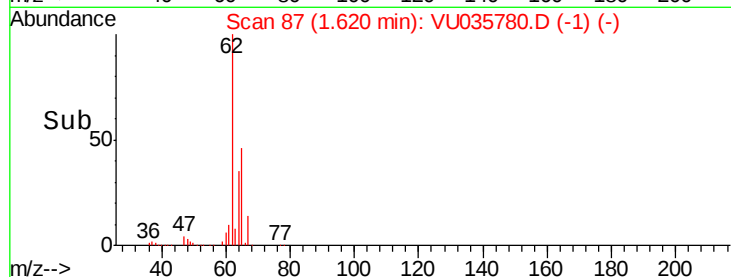
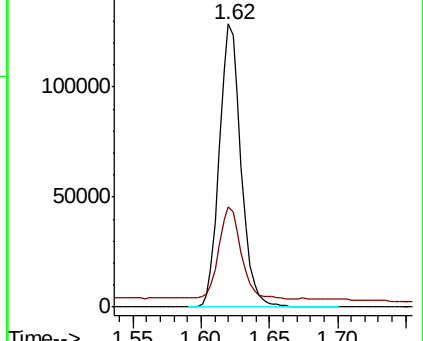
62 100

64 35.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU035780.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035780.D (-1) (-)



#6

Bromomethane

Concen: 5.387 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035780.D

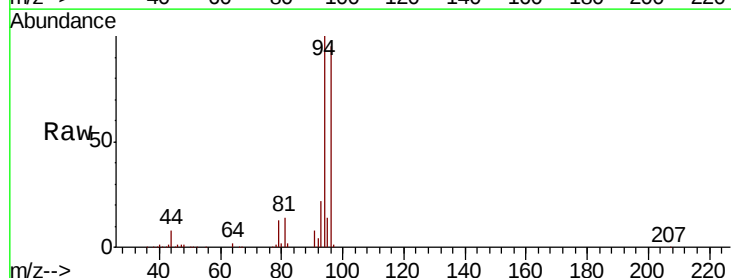
Acq: 19 Nov 2019 19:47

Tgt Ion: 94 Resp: 74772

Ion Ratio Lower Upper

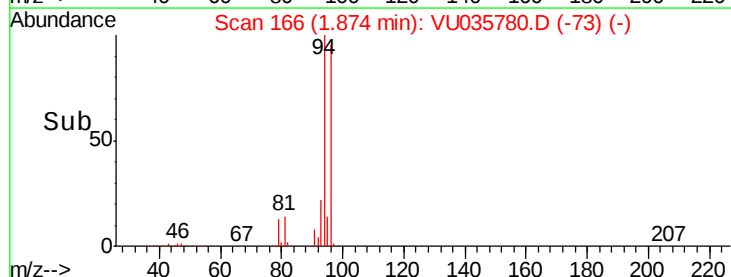
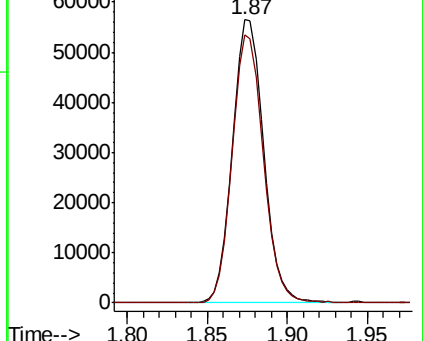
94 100

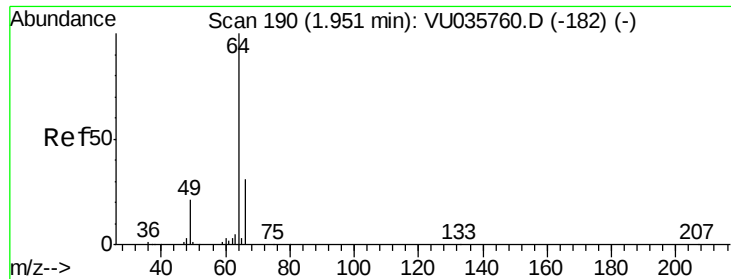
96 94.8 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU035780.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035780.D (-73) (-)





#8

Chloroethane

Concen: 5.923 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

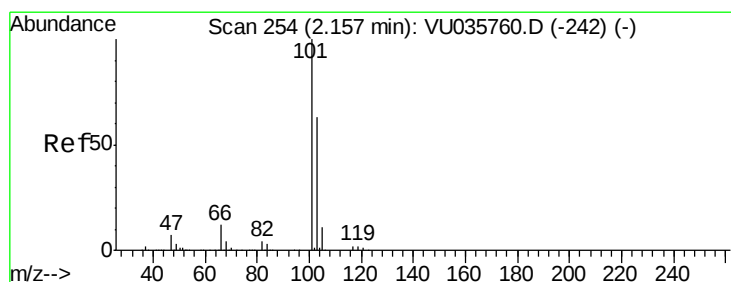
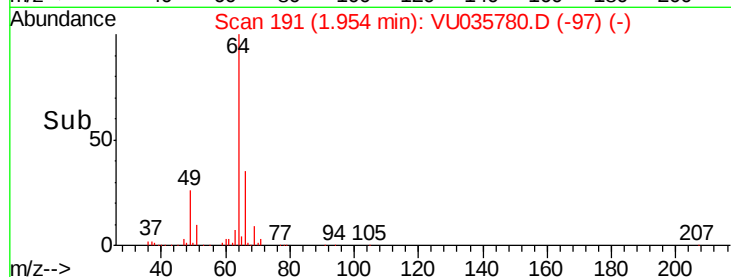
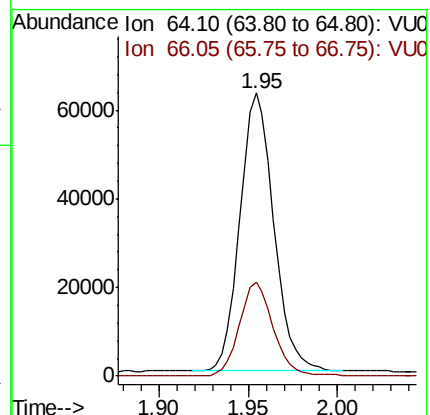
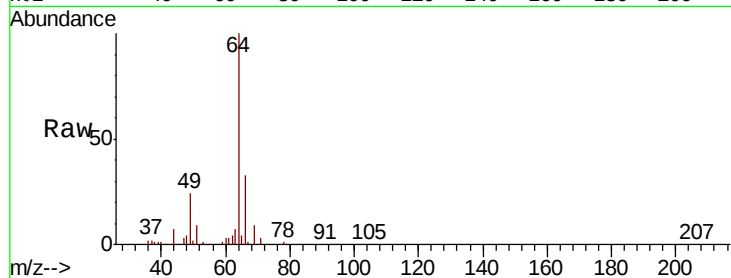
ClientSampleId :

Tot Ion: 64 Resp: 82728

Ion Ratio Lower Upper

64 100

66 33.1 22.5 41.7



#9

Trichlorofluoromethane

Concen: 6.077 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035780.D

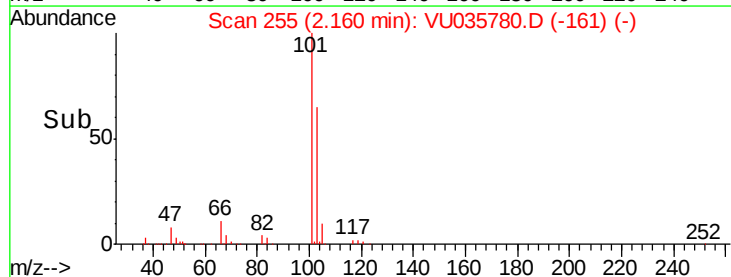
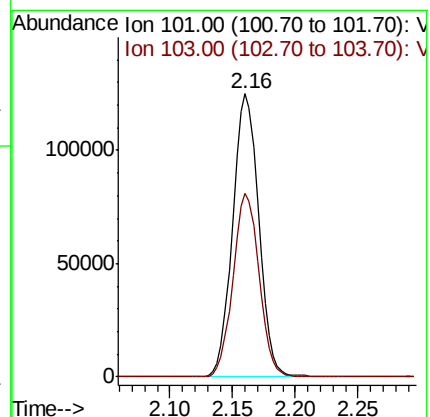
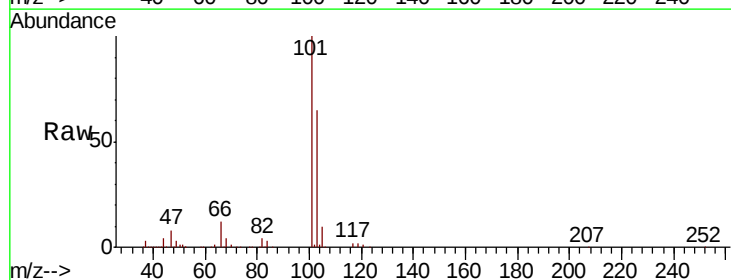
Acq: 19 Nov 2019 19:47

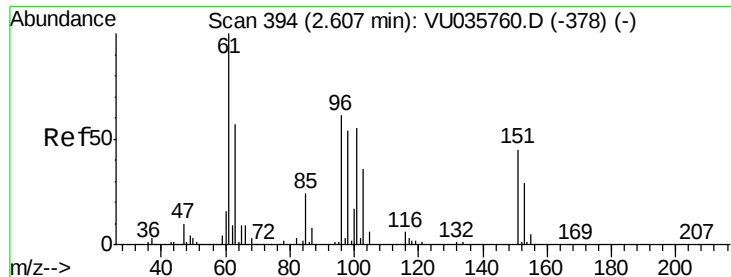
Tgt Ion: 101 Resp: 180488

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.6





#10

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

Concen: 5.938 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

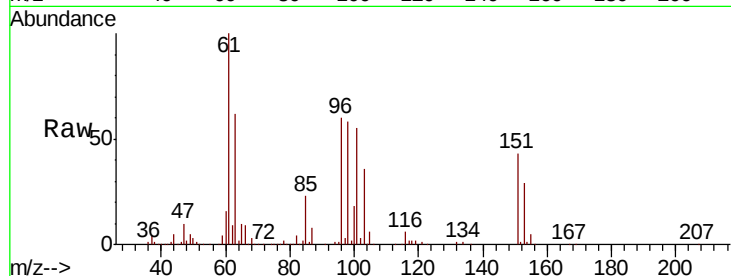
Tot Ion:101 Resp: 104176

Ion Ratio Lower Upper

101 100

85 42.8 35.0 52.6

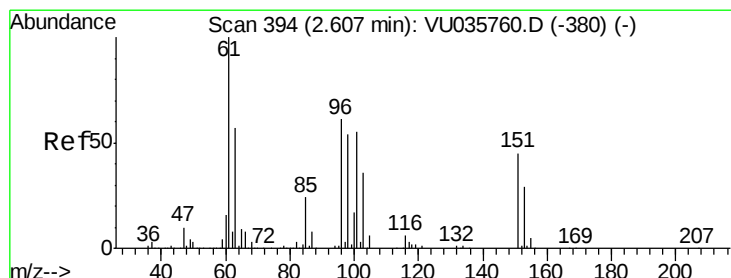
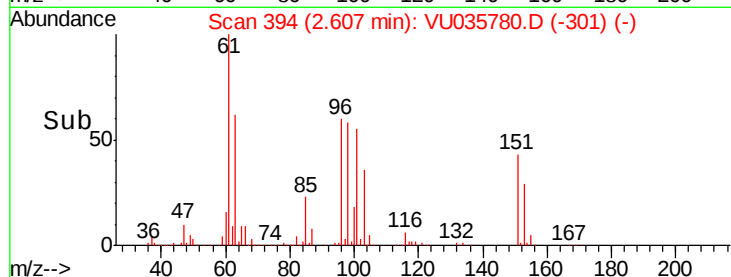
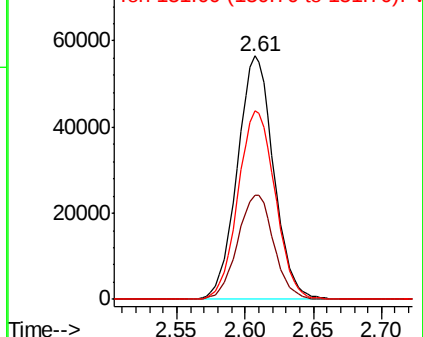
151 79.4 64.0 96.0



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



#12

1,1-Dichloroethene

Concen: 5.936 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

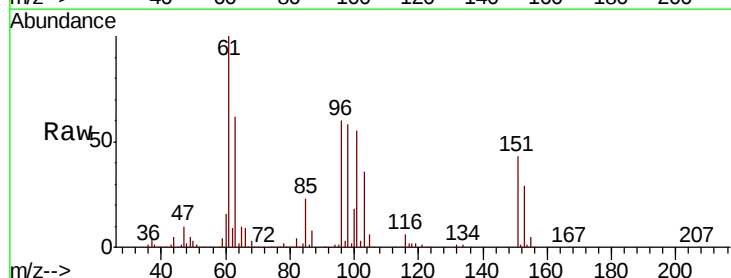
Tgt Ion: 96 Resp: 99937

Ion Ratio Lower Upper

96 100

61 166.3 123.1 228.5

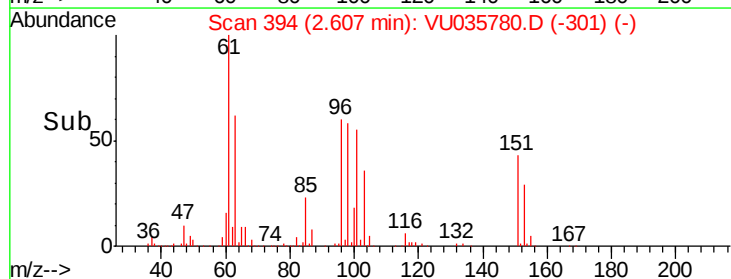
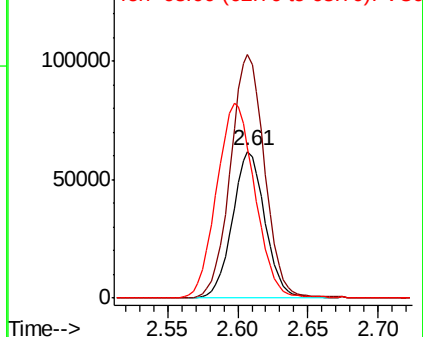
63 102.8 87.8 163.0

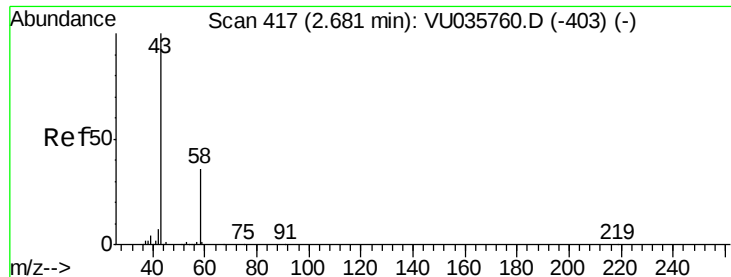


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.566 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

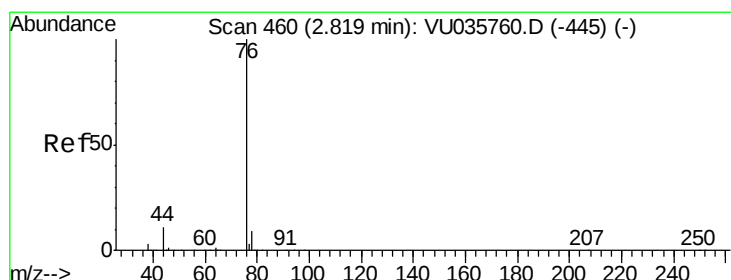
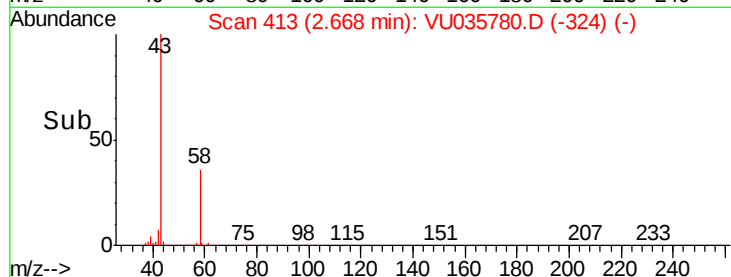
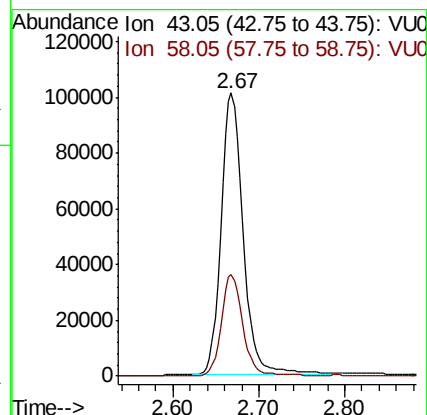
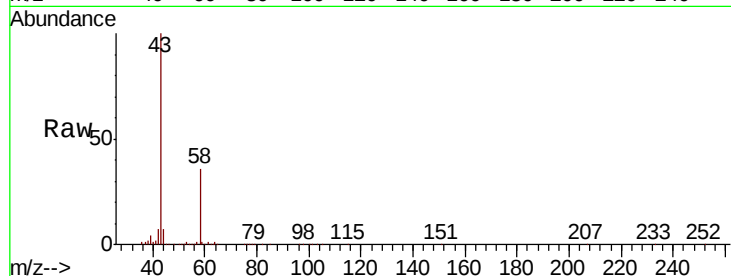
ClientSampled :

Tot Ion: 43 Resp: 180602

Ion Ratio Lower Upper

43 100

58 35.1 0.0 69.8



#14

Carbon disulfide

Concen: 5.673 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035780.D

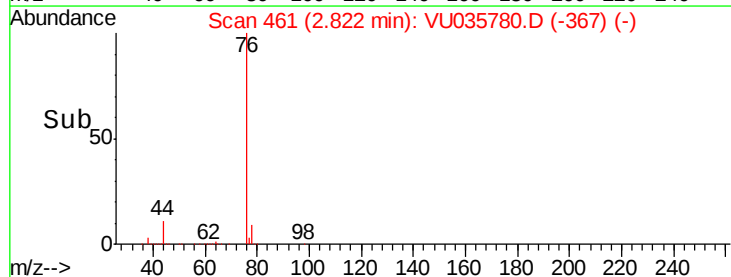
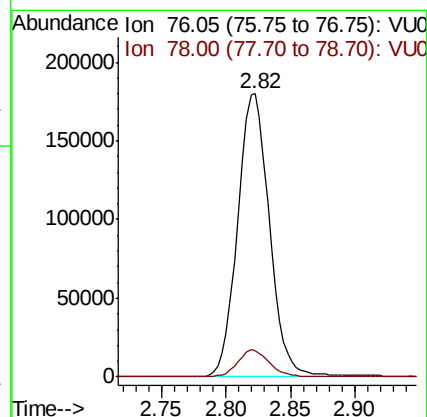
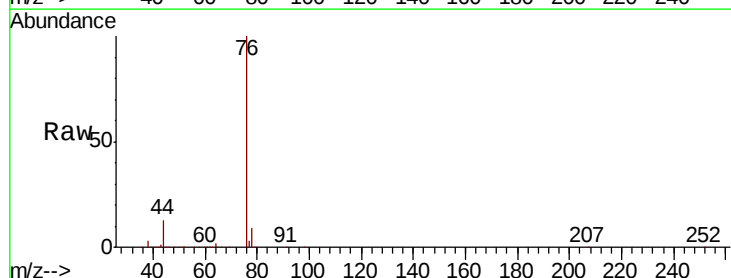
Acq: 19 Nov 2019 19:47

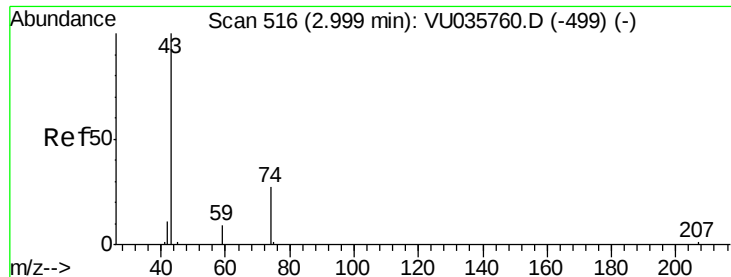
Tgt Ion: 76 Resp: 309720

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methvl Acetate

Concen: 5.747 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

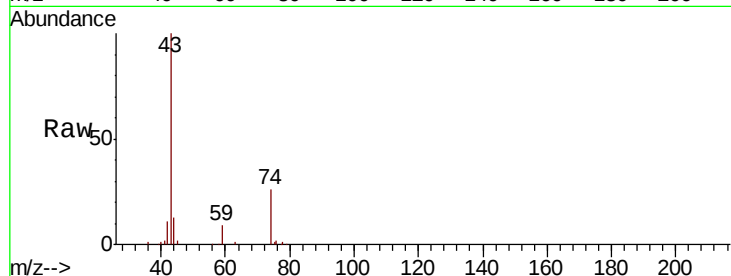
ClientSampled :

Tot Ion: 43 Resp: 41883

Ion Ratio Lower Upper

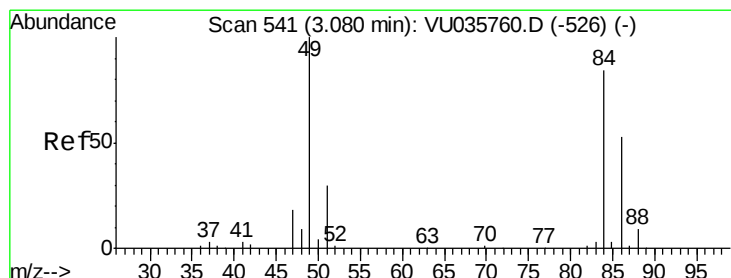
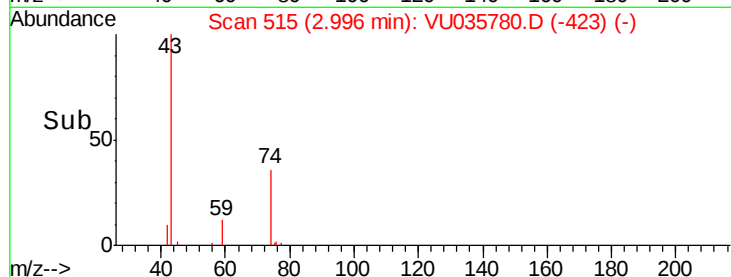
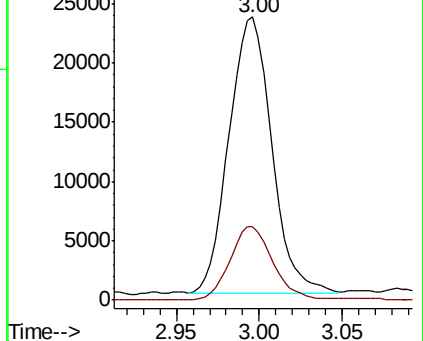
43 100

74 26.7 21.0 31.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.893 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

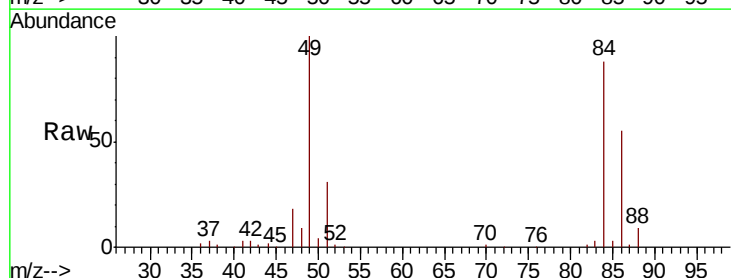
Tgt Ion: 84 Resp: 117644

Ion Ratio Lower Upper

84 100

86 62.3 45.8 85.2

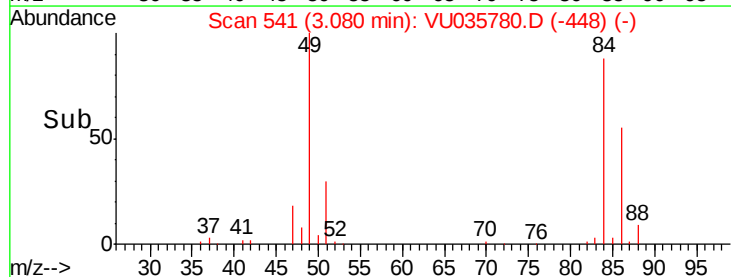
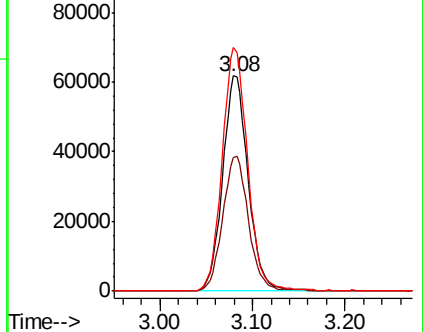
49 113.1 81.9 152.1

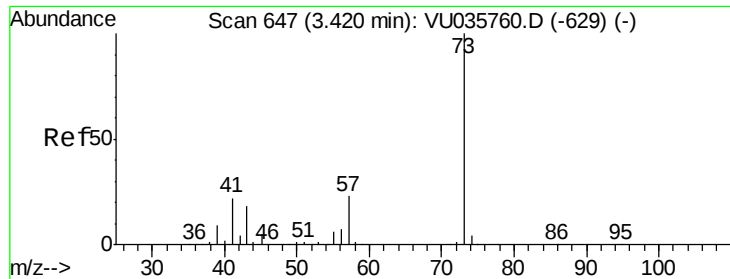


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

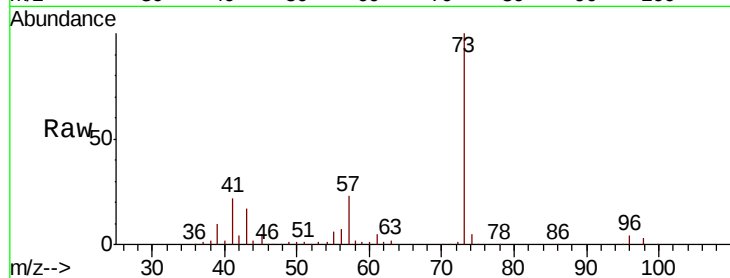




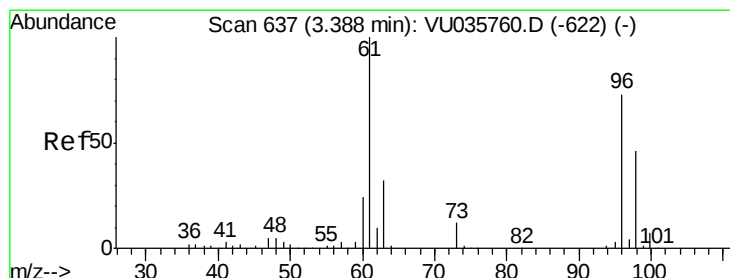
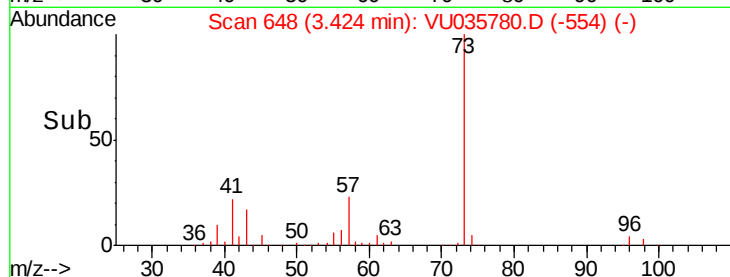
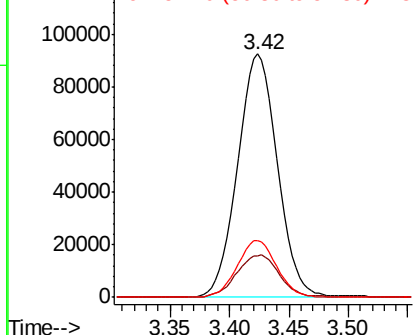
#17
Methvl tert-butvl Ether
Concen: 5.426 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 214127
Ion Ratio Lower Upper
73 100
43 18.3 14.4 21.6
57 23.3 18.2 27.2

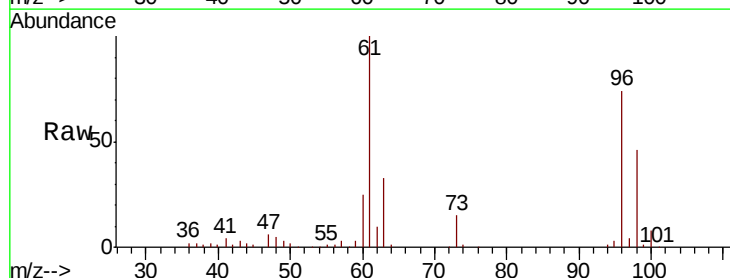


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

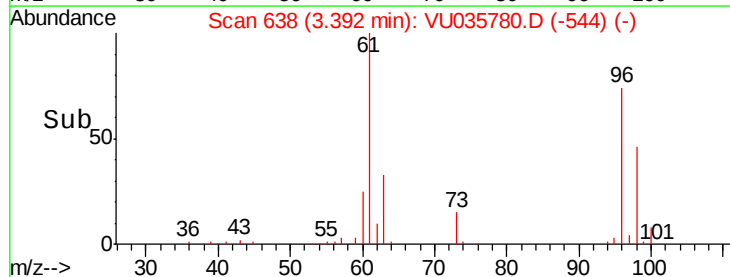
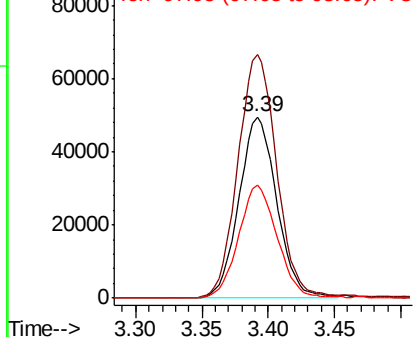


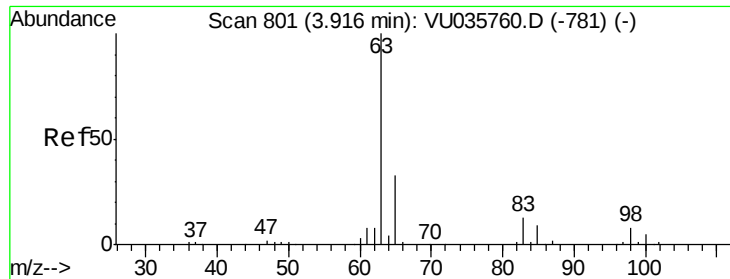
#18
trans-1,2-Dichloroethene
Concen: 5.668 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Tgt Ion: 96 Resp: 98286
Ion Ratio Lower Upper
96 100
61 134.5 95.0 176.4
98 62.2 42.5 78.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

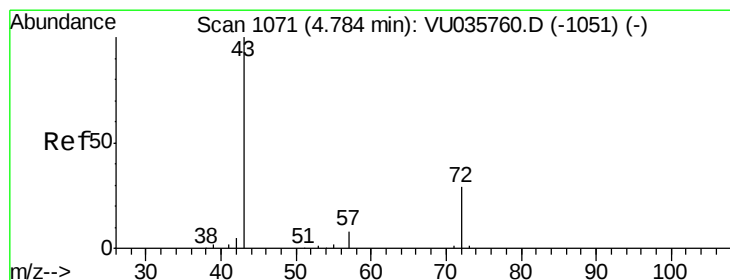
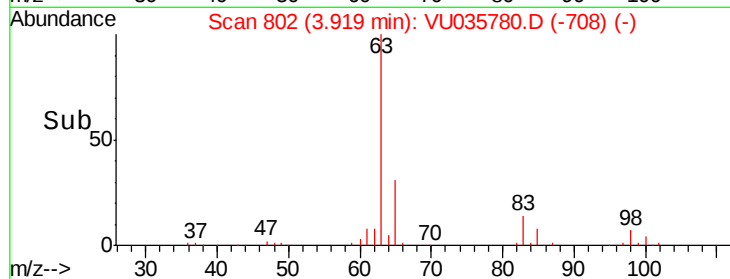
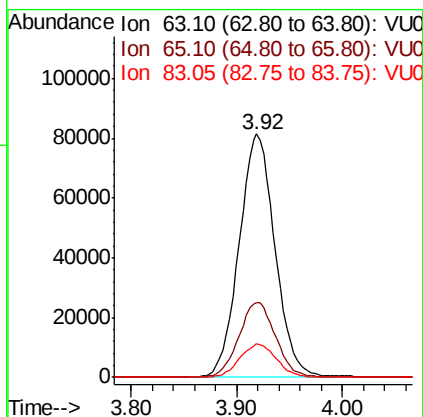
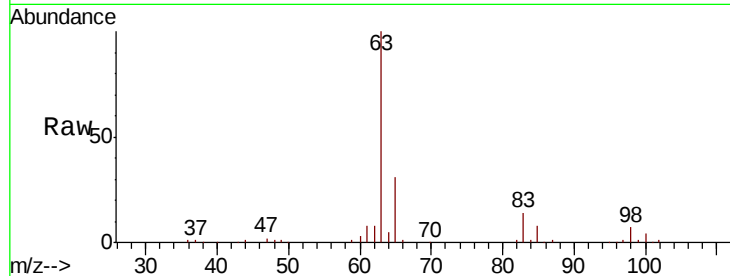




#19
 1,1-Dichloroethane
 Concen: 5.984 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

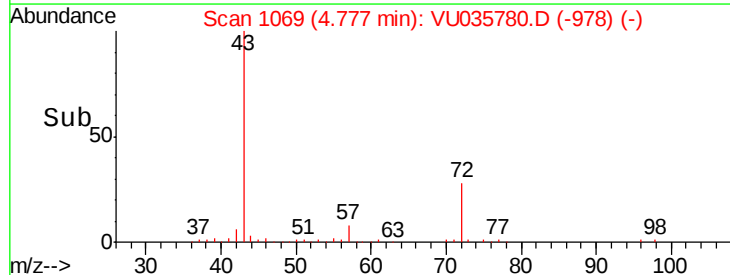
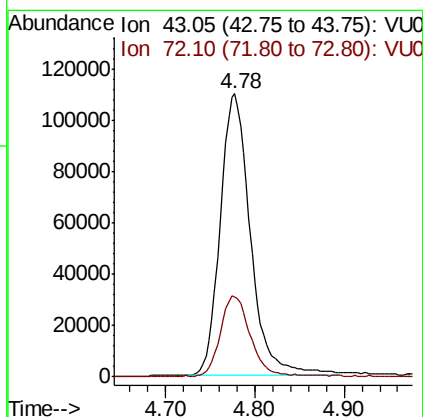
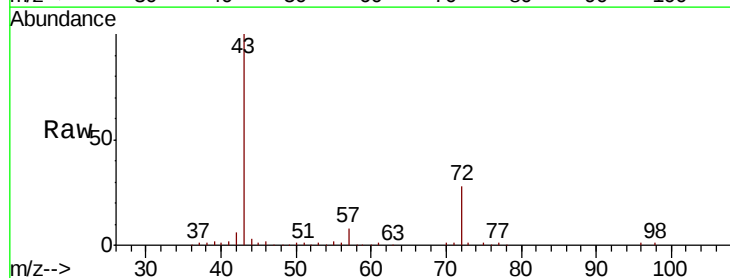
Instrument :
 MSVOA_U
 ClientSampled :

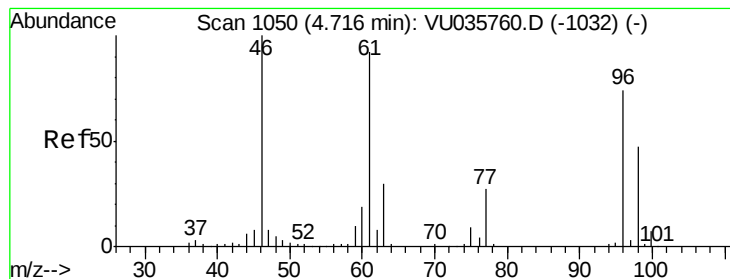
Tot Ion: 63 Resp: 192644
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 40.8
 83 13.6 9.3 17.3



#21
 2-Butanone
 Concen: 55.327 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion: 43 Resp: 257738
 Ion Ratio Lower Upper
 43 100
 72 27.7 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 5.781 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :
MSVOA_U
ClientSampleId :

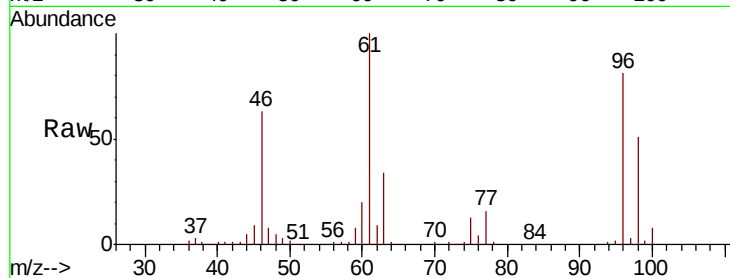
Tot Ion: 96 Resp: 110672

Ion Ratio Lower Upper

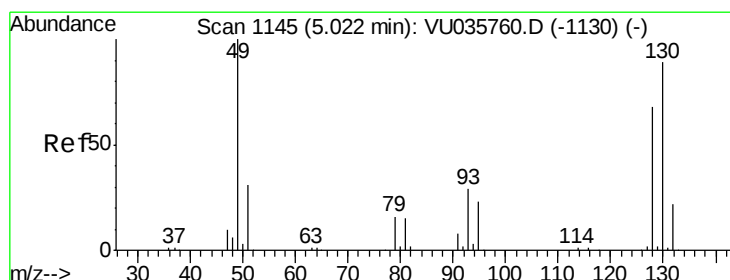
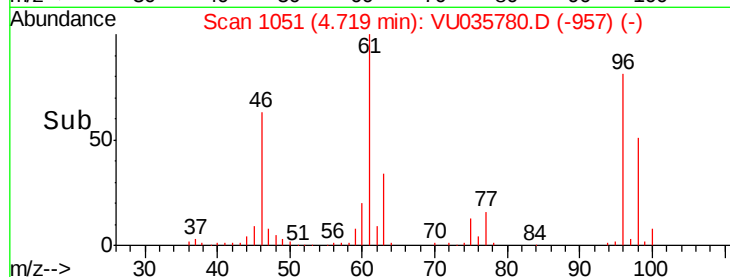
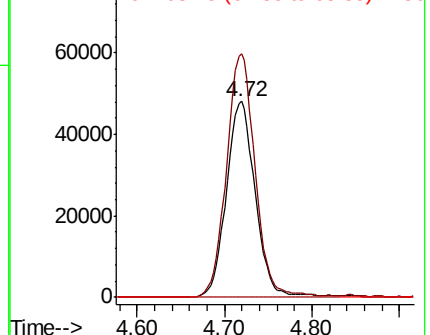
96 100

61 124.1 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.934 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Tgt Ion: 128 Resp: 53820

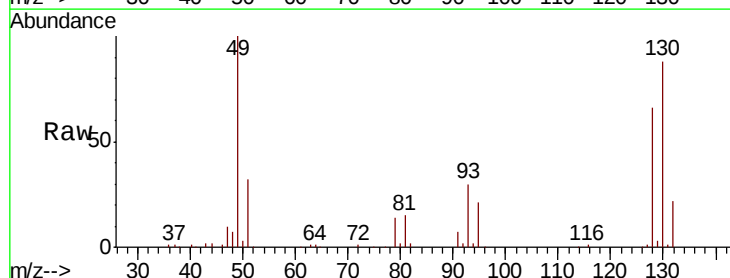
Ion Ratio Lower Upper

128 100

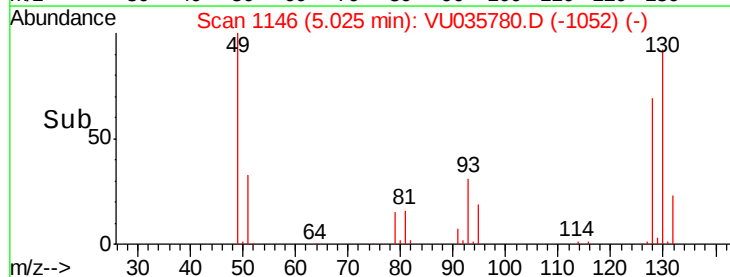
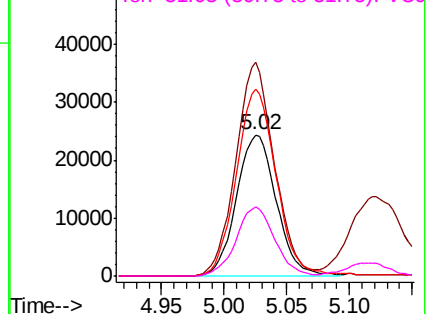
49 151.3 104.1 193.3

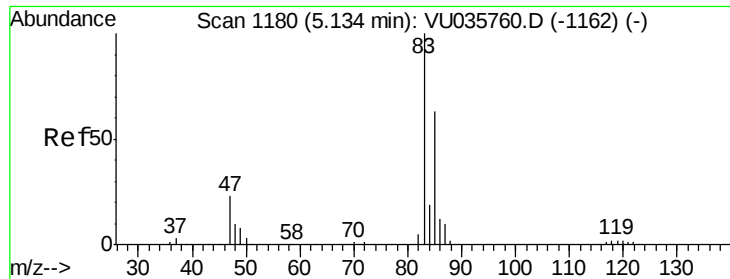
130 132.5 88.4 164.2

51 48.8 37.7 56.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

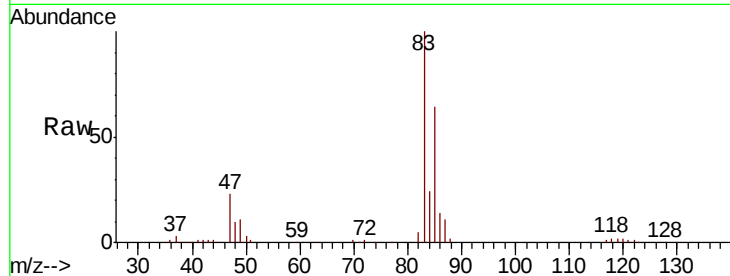




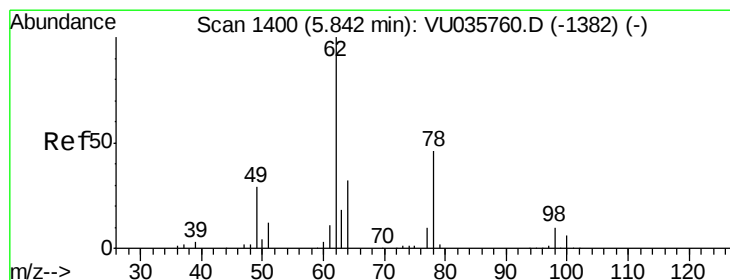
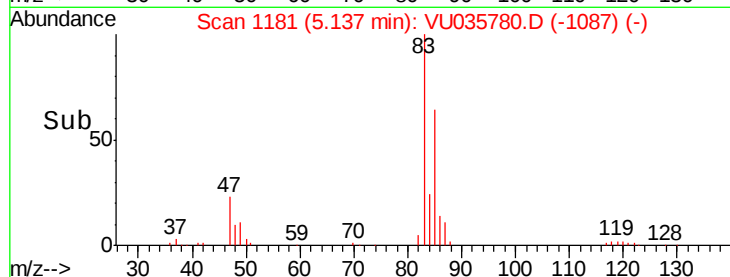
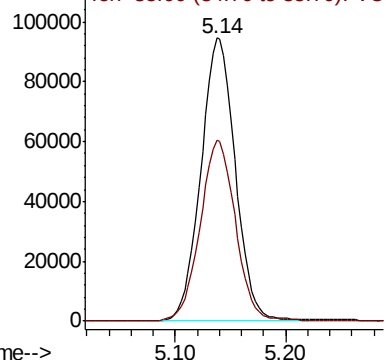
#25
Chloroform
Concen: 5.856 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 204990
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.2

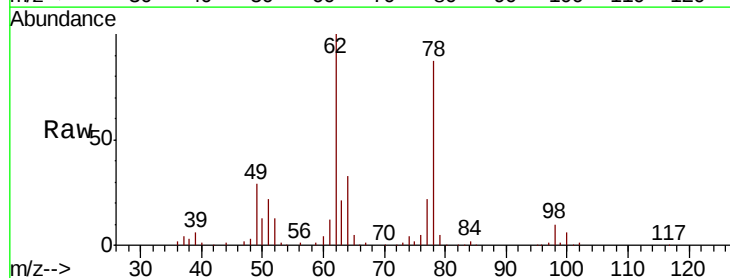


Abundance Ion 83.05 (82.75 to 83.75): VU035780.D (-1162) (-)
Ion 85.00 (84.70 to 85.70): VU035780.D (-1162) (-)

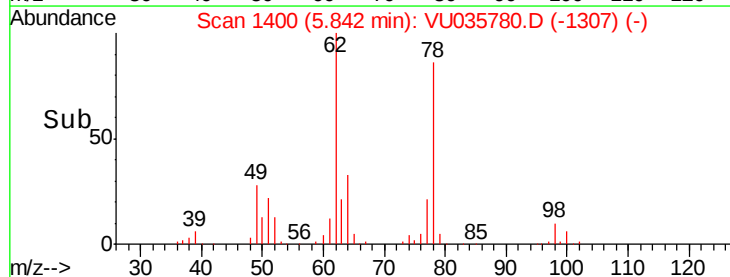
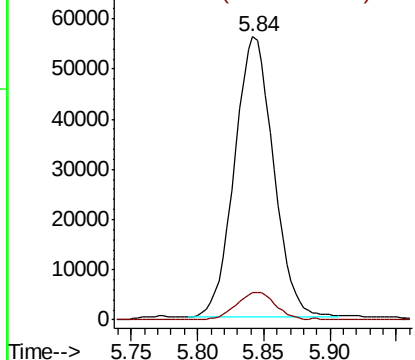


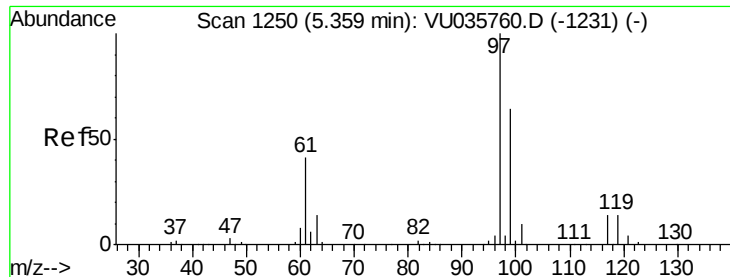
#27
1,2-Dichloroethane
Concen: 5.849 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Tgt Ion: 62 Resp: 113958
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU035780.D (-1382) (-)
Ion 98.05 (97.75 to 98.75): VU035780.D (-1382) (-)

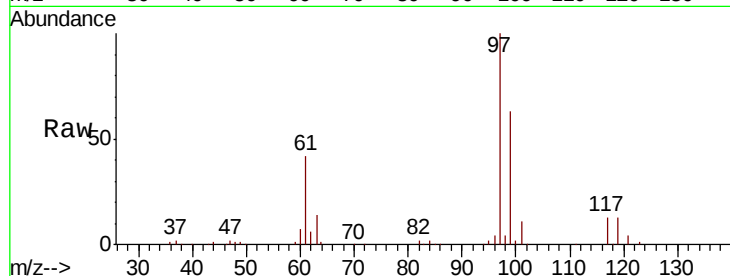




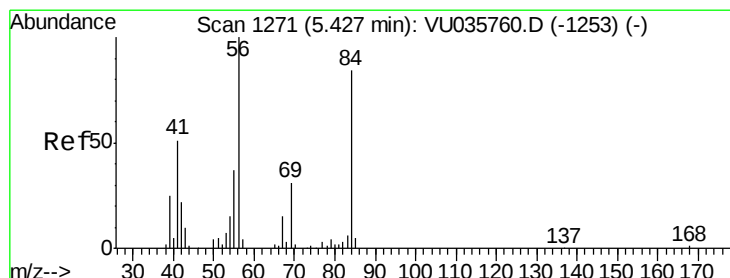
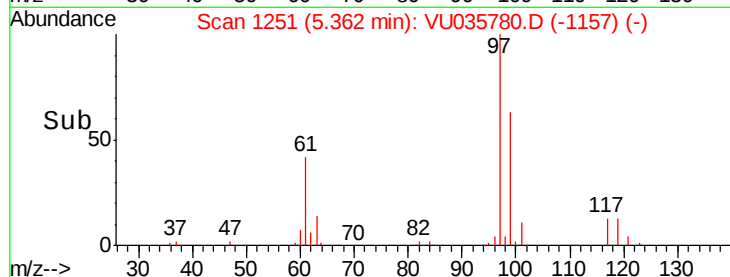
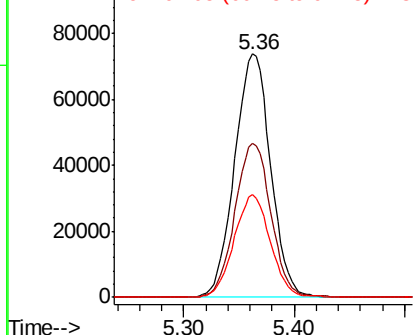
#29
1,1,1-Trichloroethane
Concen: 5.750 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 166471
Ion Ratio Lower Upper
97 100
99 63.7 51.3 76.9
61 42.6 34.4 51.6

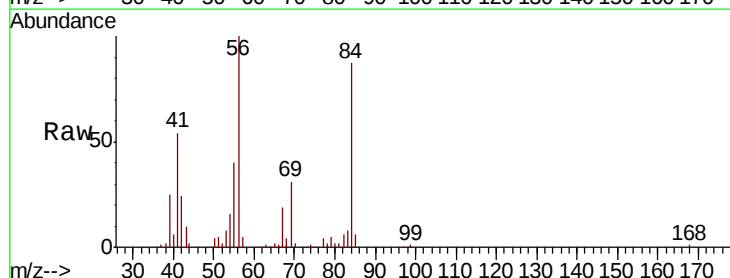


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

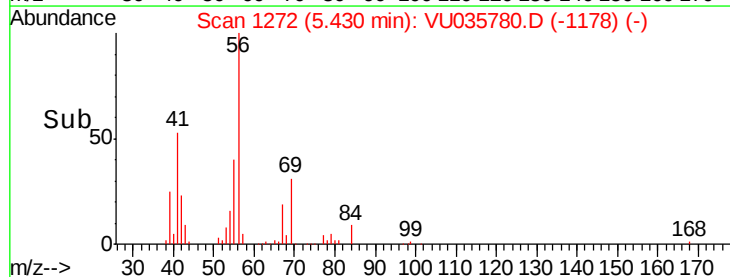
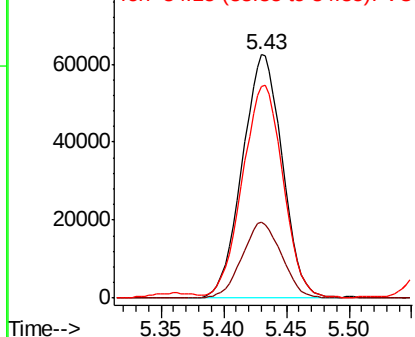


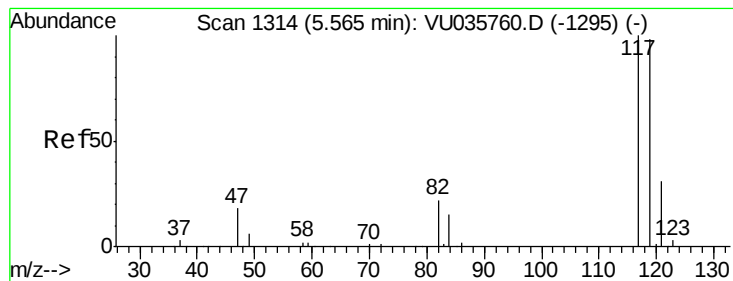
#30
Cyclohexane
Concen: 4.794 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Tgt Ion: 56 Resp: 138753
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 88.5 69.7 104.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.684 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

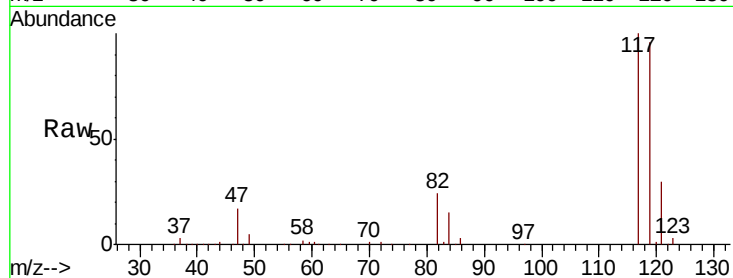
ClientSampleId :

Tot Ion:117 Resp: 148316

Ion Ratio Lower Upper

117 100

119 96.2 75.3 112.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

80000

60000

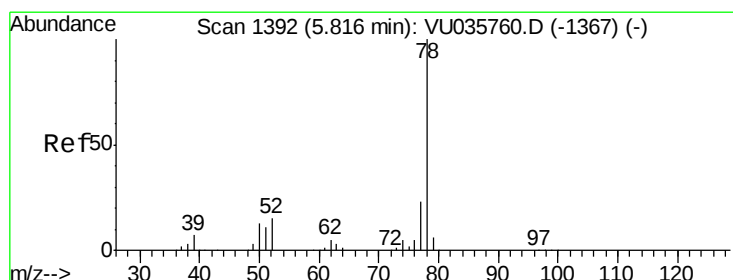
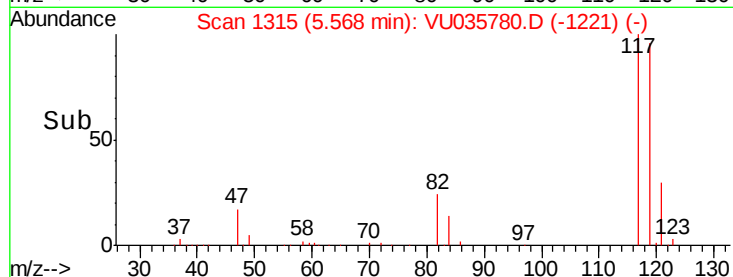
40000

20000

0

Time-->

5.50 5.60 5.70



#33

Benzene

Concen: 5.509 ug/L

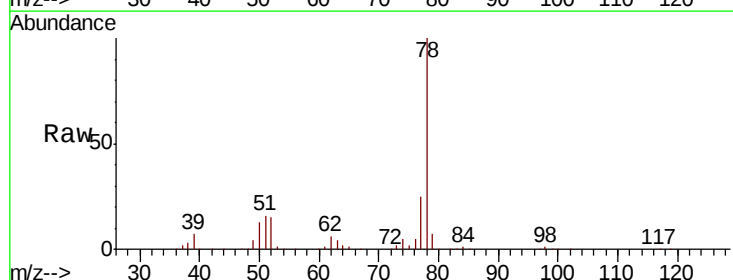
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Tgt Ion: 78 Resp: 426416



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

200000

150000

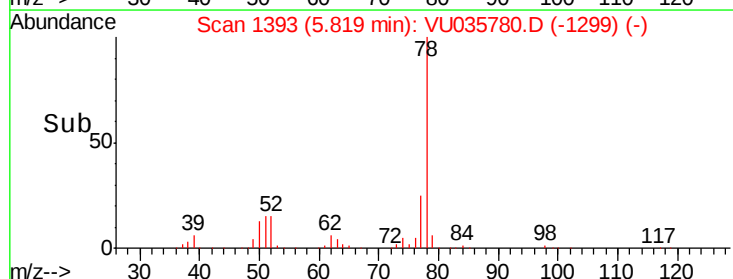
100000

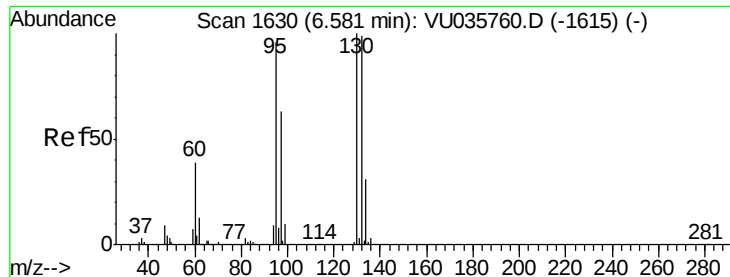
50000

0

Time-->

5.70 5.80 5.90

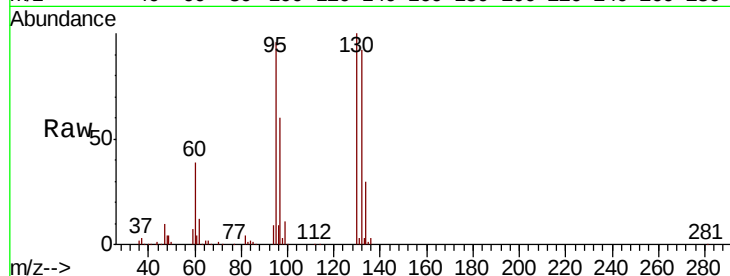




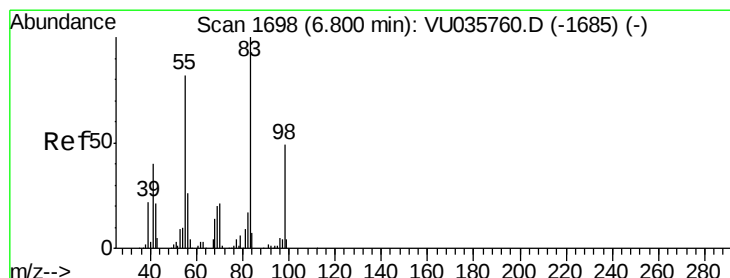
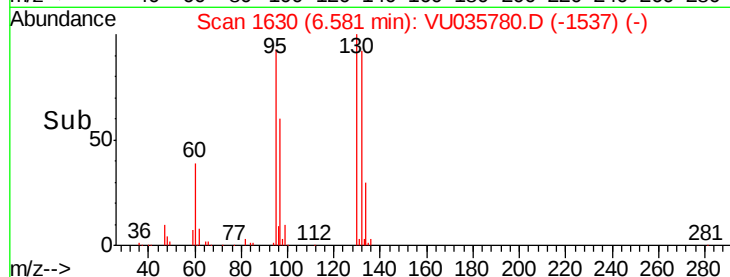
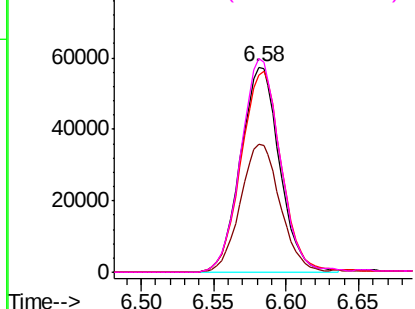
#34
 Trichloroethene
 Concen: 5.445 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	107856
Ion	Ratio	Lower	Upper
95	100		
97	62.6	44.5	82.7
132	95.9	69.9	129.7
130	104.1	74.1	137.7

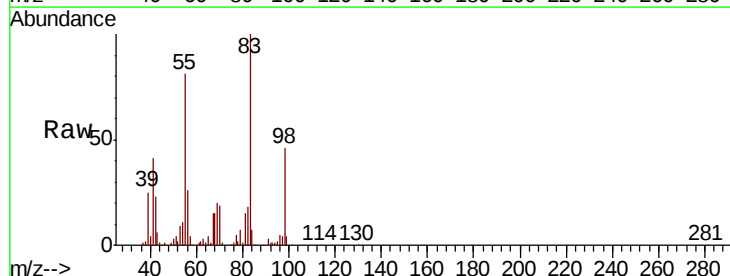


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

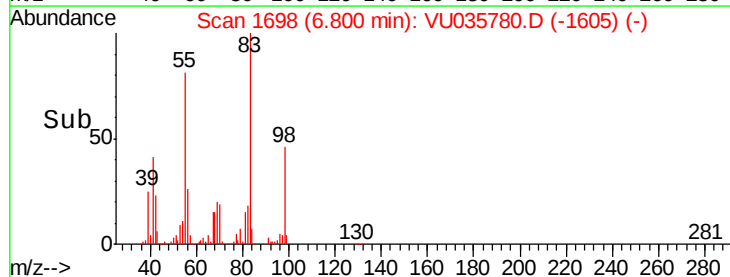
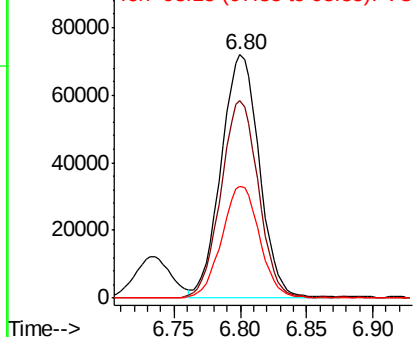


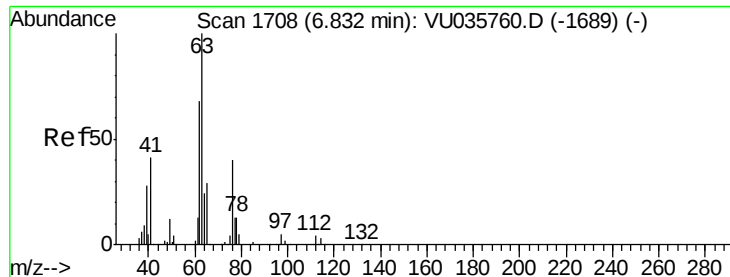
#35
 Methylcyclohexane
 Concen: 4.737 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion:	83	Resp:	142957
Ion	Ratio	Lower	Upper
83	100		
55	80.5	62.6	93.8
98	45.8	37.2	55.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

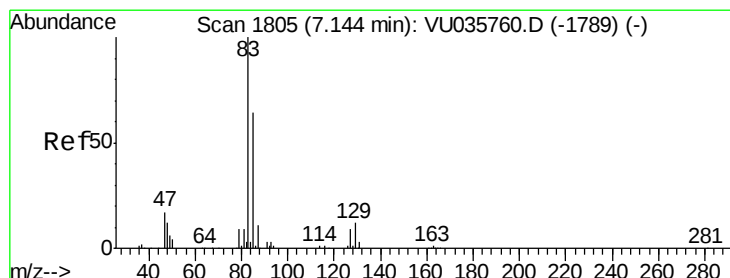
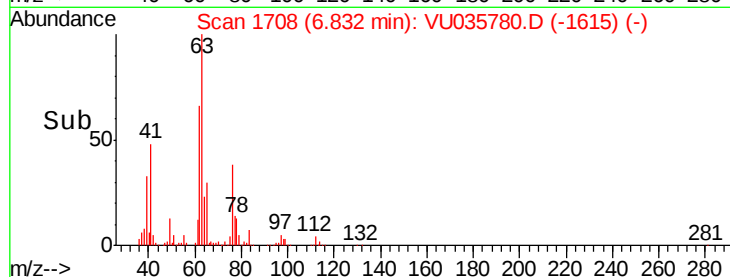
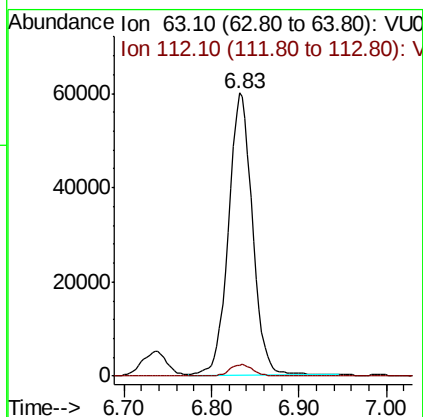
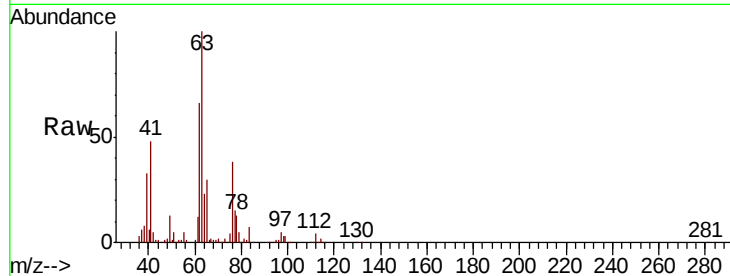




#37
 1,2-Dichloropropane
 Concen: 5.600 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

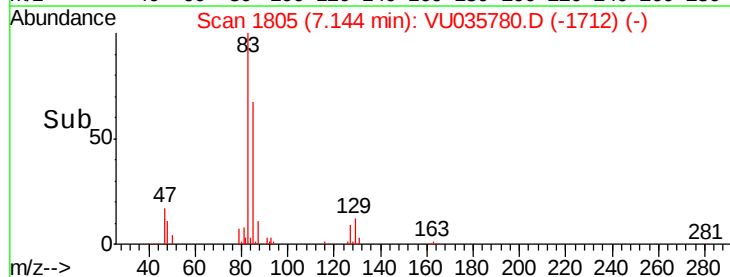
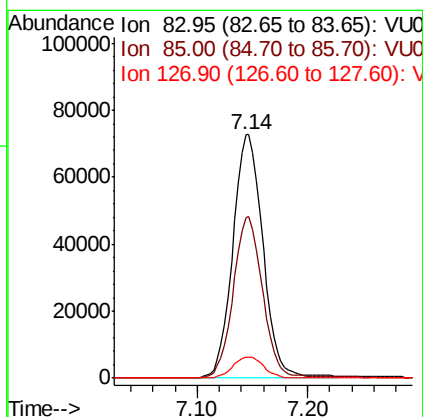
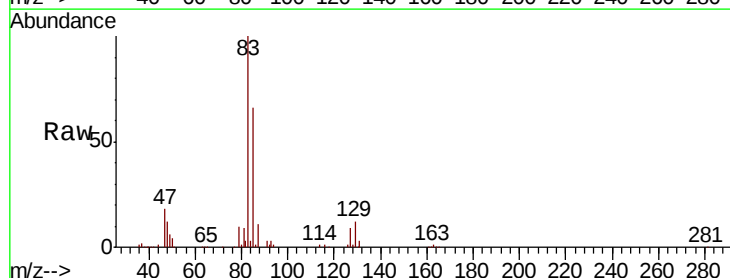
Instrument :
 MSVOA_U
 ClientSampleId :

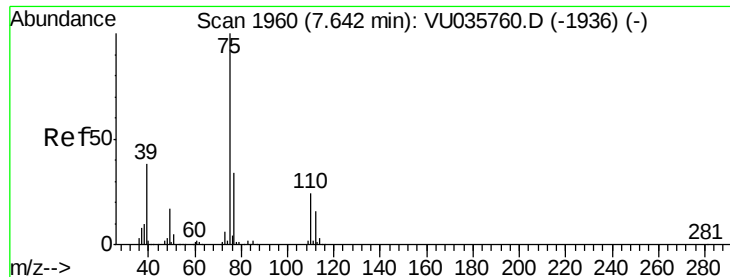
Tot Ion: 63 Resp: 114206
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.607 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion: 83 Resp: 138362
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.7 82.9
 127 8.7 7.1 10.7

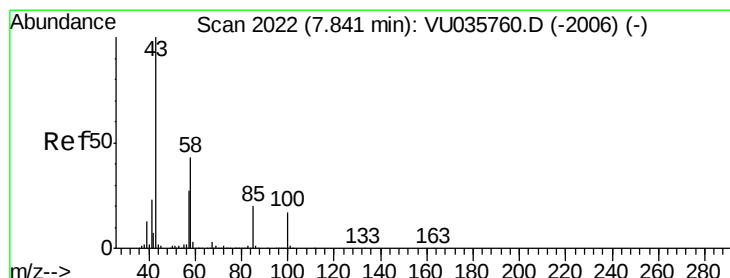
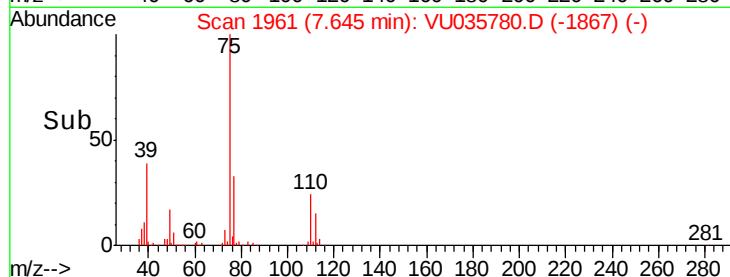
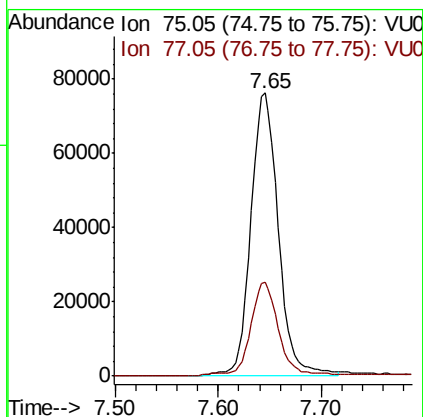
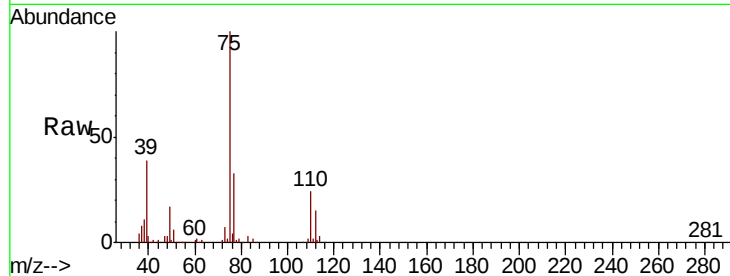




#39
 cis-1,3-Dichloropropene
 Concen: 4.863 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

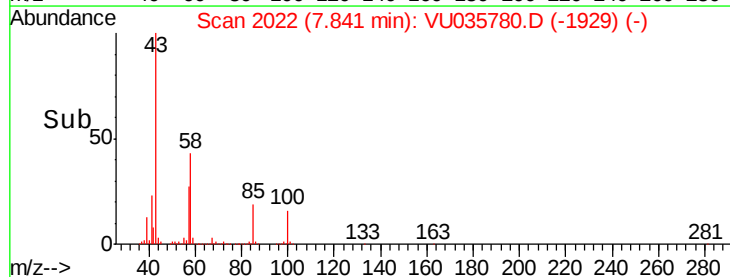
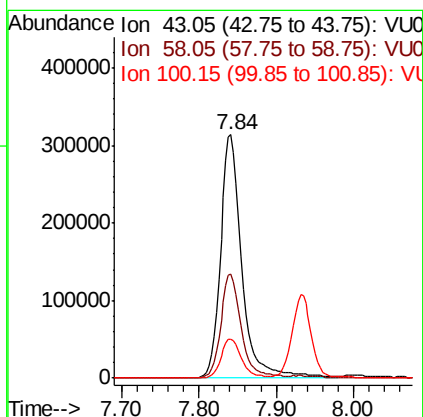
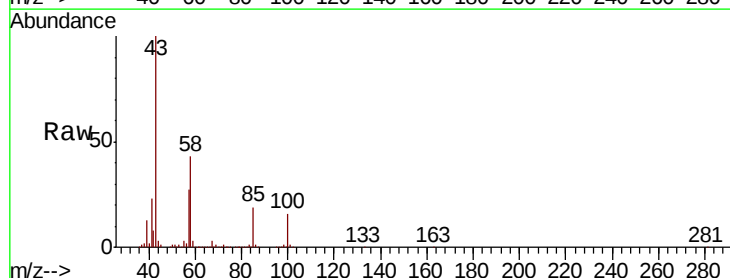
Instrument :
 MSVOA_U
 ClientSampleId :

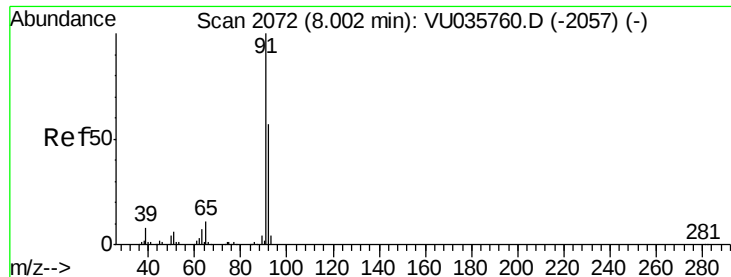
Tot Ion: 75 Resp: 141546
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 51.680 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion: 43 Resp: 606042
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.4 50.2
 100 15.6 12.7 19.1





#42

Toluene

Concen: 5.826 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

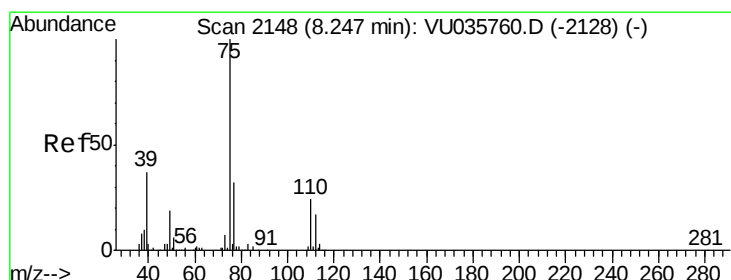
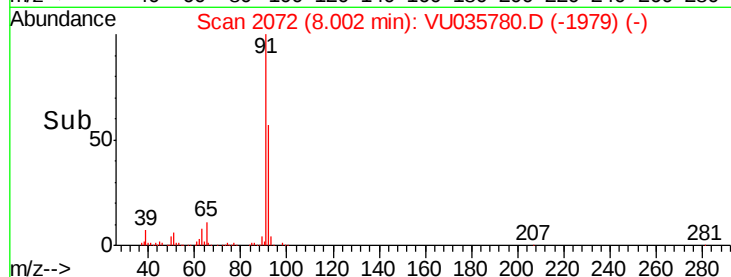
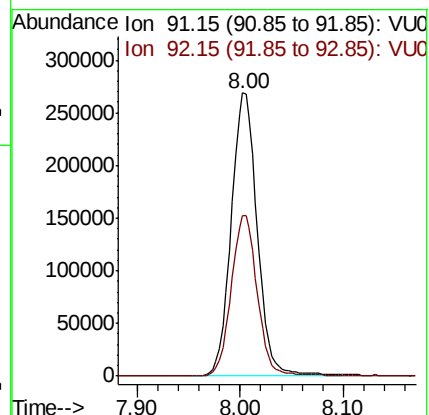
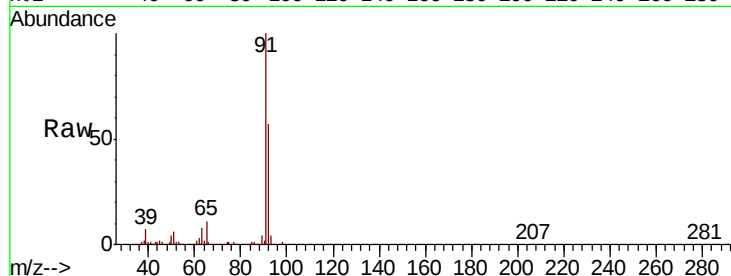
ClientSampled :

Tot Ion: 91 Resp: 474444

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.316 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU035780.D

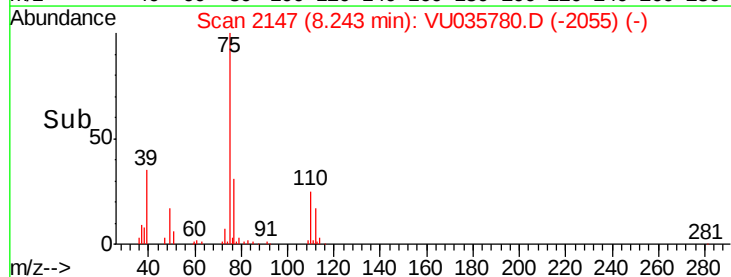
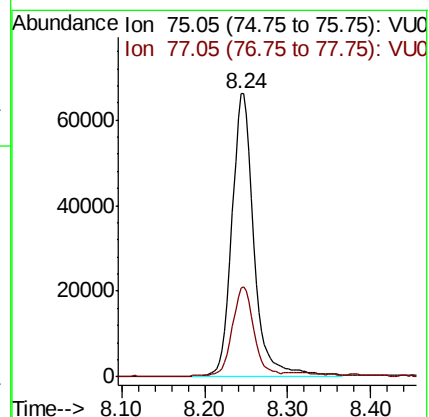
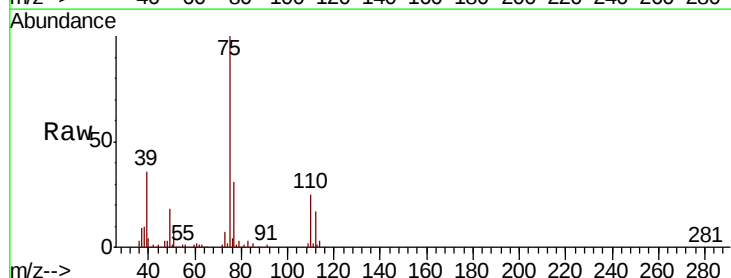
Acq: 19 Nov 2019 19:47

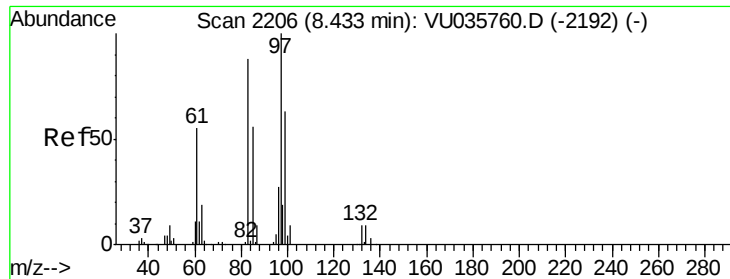
Tgt Ion: 75 Resp: 123707

Ion Ratio Lower Upper

75 100

77 31.3 21.6 40.2

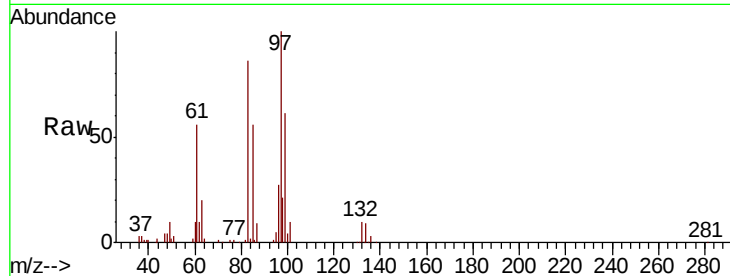




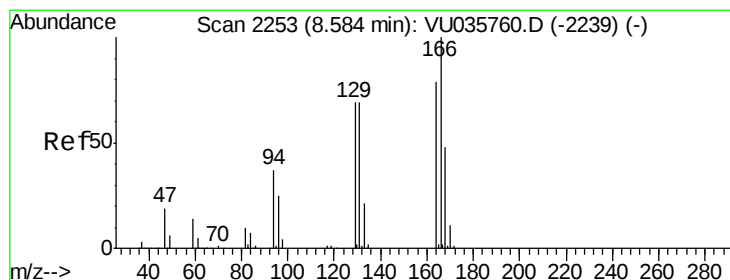
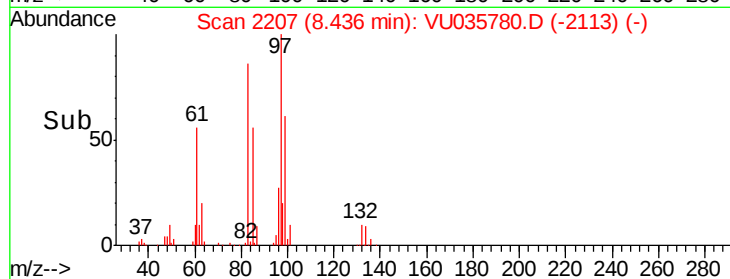
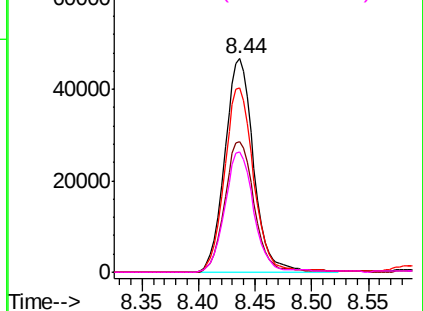
#45
 1,1,2-Trichloroethane
 Concen: 5.701 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	83256
Ion	Ratio	Lower	Upper
97	100		
99	61.0	43.8	81.4
83	86.5	61.6	114.4
85	56.5	40.0	74.4

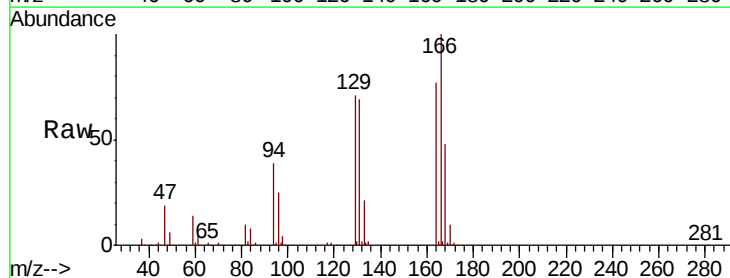


Abundance Ion 96.95 (96.65 to 97.65): VU035780.D (-2192) (-)
 Ion 99.05 (98.75 to 99.75): VU035780.D (-2192) (-)
 Ion 82.95 (82.65 to 83.65): VU035780.D (-2192) (-)
 Ion 85.00 (84.70 to 85.70): VU035780.D (-2192) (-)

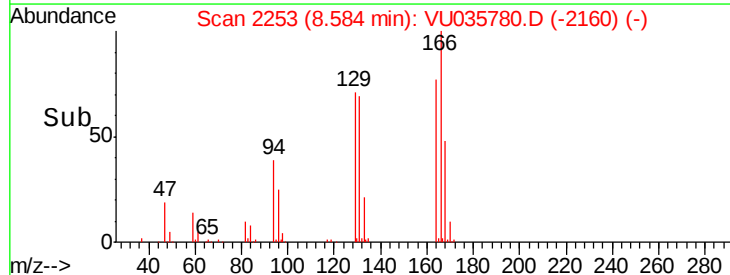
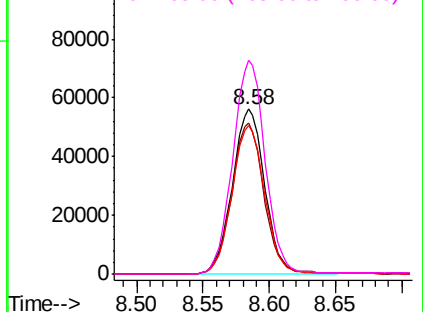


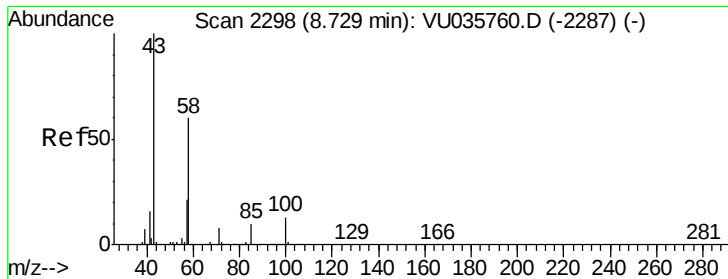
#47
 Tetrachloroethene
 Concen: 5.528 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion:	164	Resp:	95418
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.7	120.1
131	90.0	61.6	114.4
166	129.6	91.8	170.4



Abundance Ion 163.90 (163.60 to 164.60): VU035780.D (-2239) (-)
 Ion 128.95 (128.65 to 129.65): VU035780.D (-2239) (-)
 Ion 130.95 (130.65 to 131.65): VU035780.D (-2239) (-)
 Ion 165.90 (165.60 to 166.60): VU035780.D (-2239) (-)

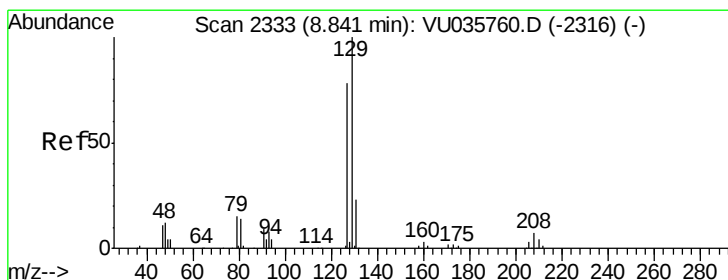
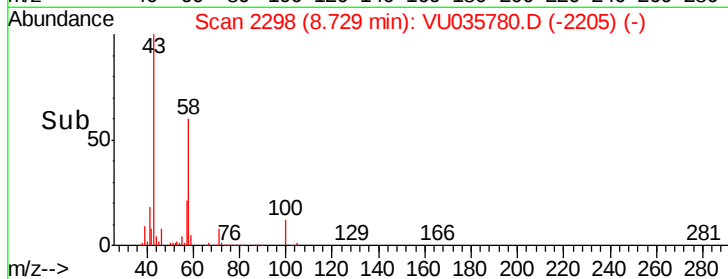
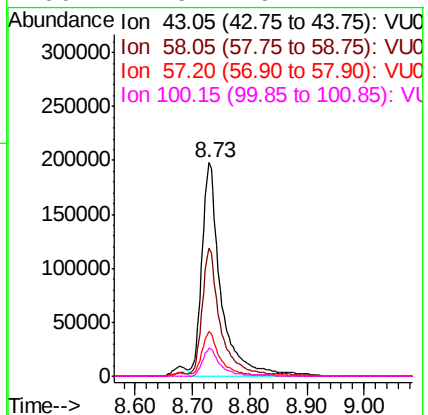
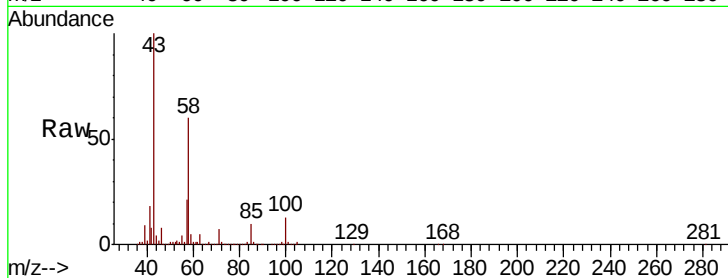




#48
2-Hexanone
Concen: 54.824 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

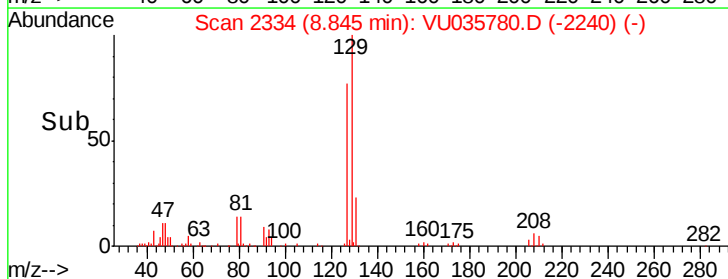
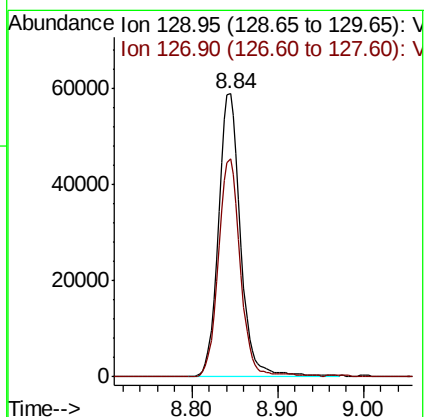
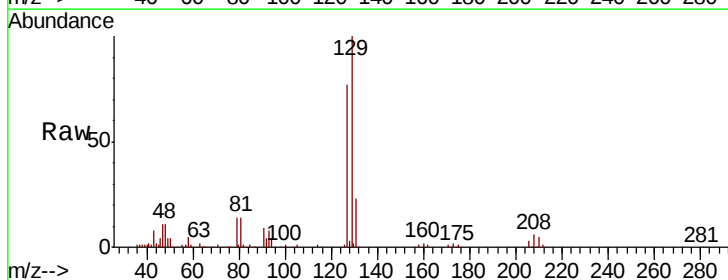
Instrument :
MSVOA_U
ClientSampleId :

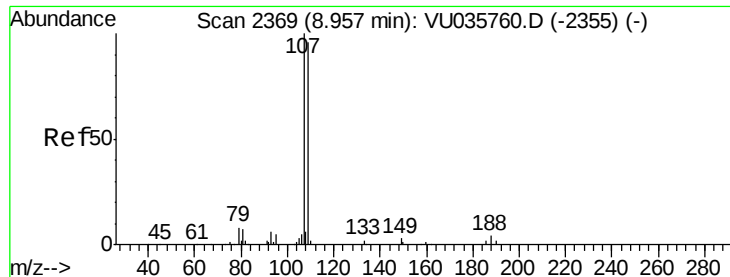
Tot Ion: 43 Resp: 456909
Ion Ratio Lower Upper
43 100
58 54.1 44.1 66.1
57 18.5 15.1 22.7
100 11.9 9.4 14.2



#49
Dibromochloromethane
Concen: 5.852 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Tgt Ion: 129 Resp: 105440
Ion Ratio Lower Upper
129 100
127 76.8 53.1 98.5

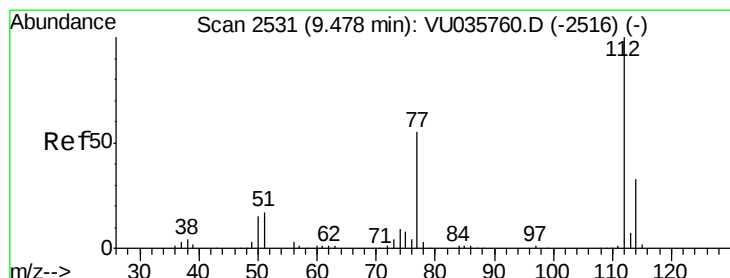
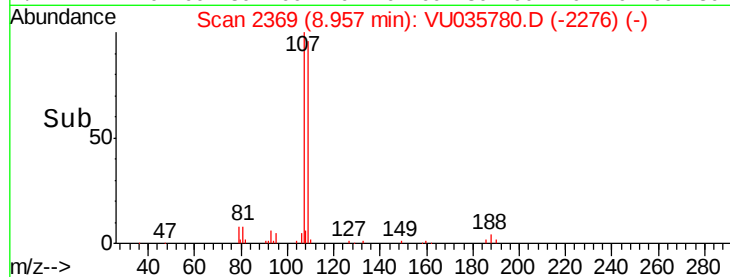
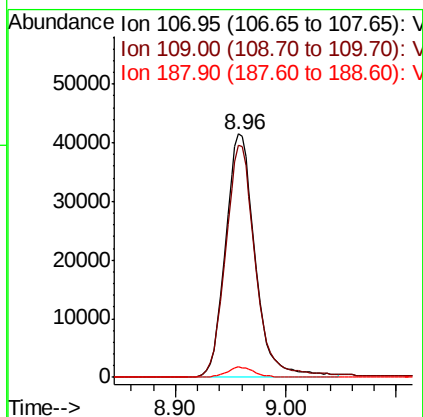
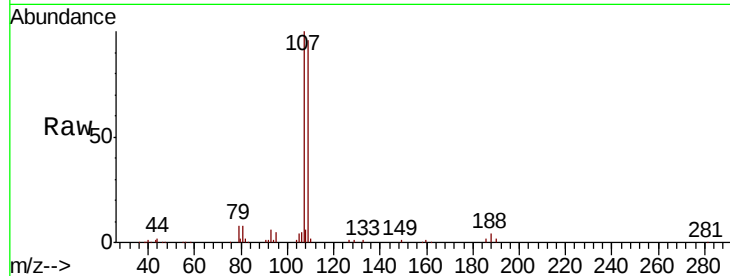




#50
1,2-Dibromoethane
Concen: 5.601 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

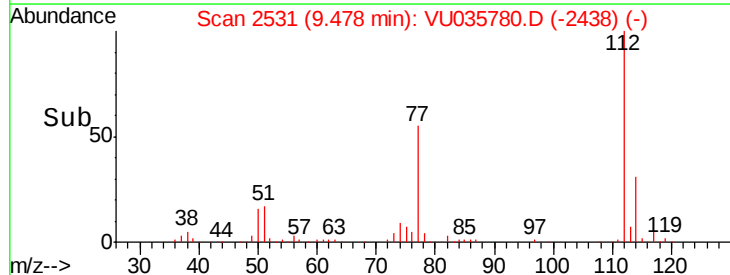
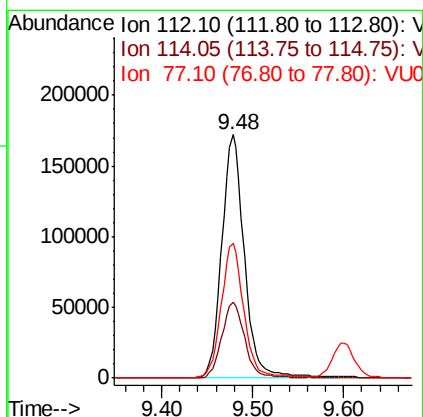
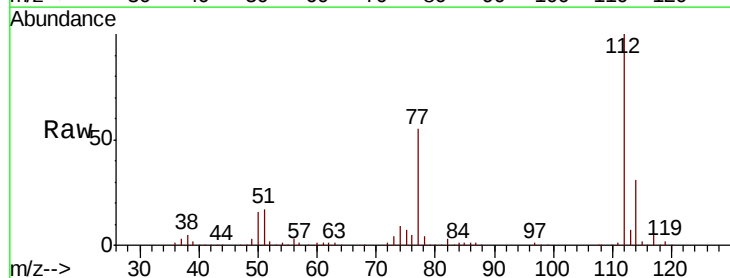
Instrument :
MSVOA_U
ClientSampled :

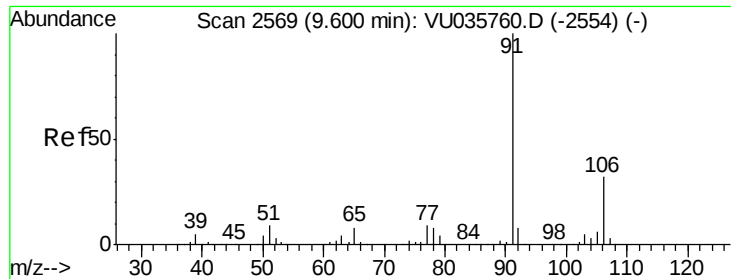
Tot Ion:107 Resp: 77607
Ion Ratio Lower Upper
107 100
109 95.5 66.5 123.5
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 5.570 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Tgt Ion:112 Resp: 297819
Ion Ratio Lower Upper
112 100
114 31.0 22.3 41.5
77 55.2 44.3 66.5





#52

Ethylbenzene

Concen: 5.235 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

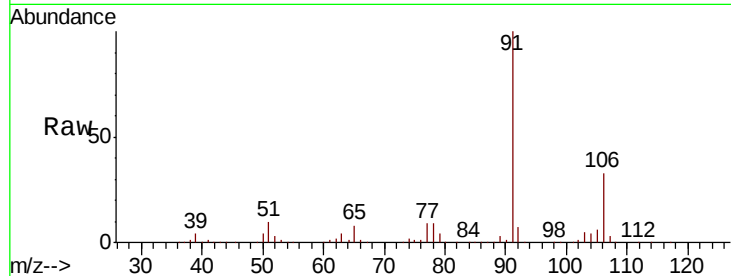
ClientSampleId :

Tot Ion: 91 Resp: 448617

Ion Ratio Lower Upper

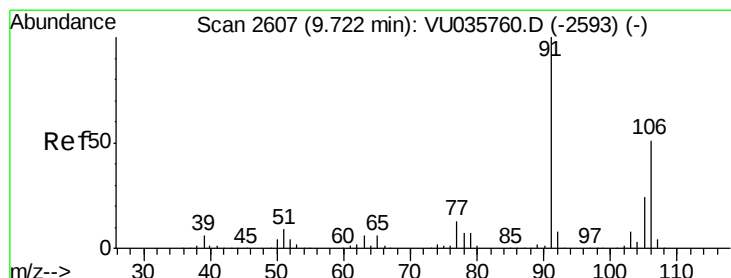
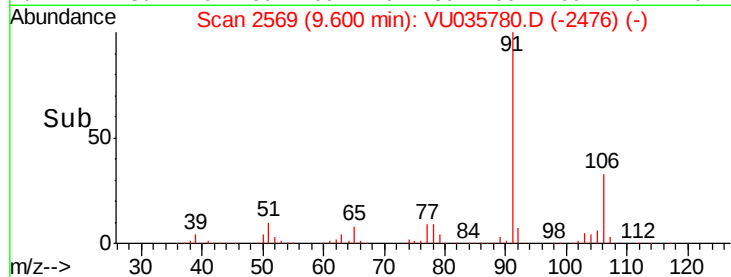
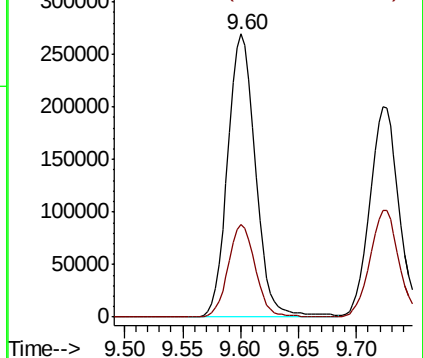
91 100

106 32.6 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VU035760.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035760.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.625 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035780.D

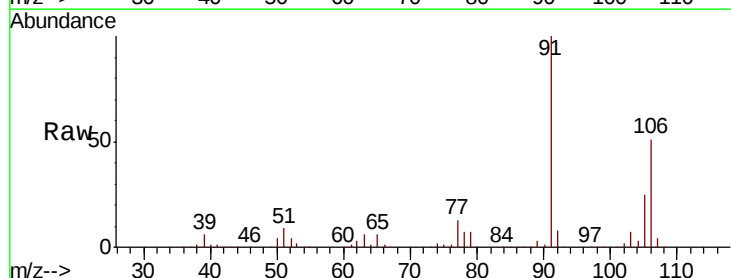
Acq: 19 Nov 2019 19:47

Tgt Ion: 106 Resp: 182543

Ion Ratio Lower Upper

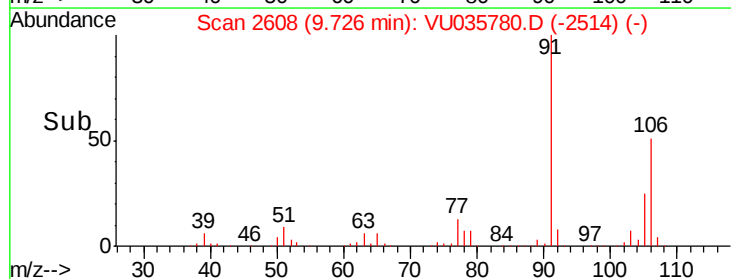
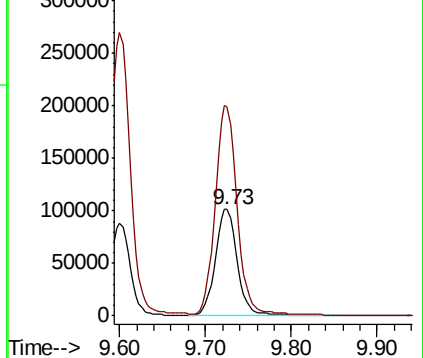
106 100

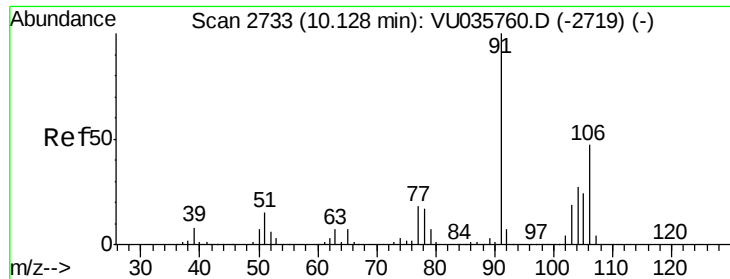
91 196.9 139.4 259.0



Abundance Ion 106.15 (105.85 to 106.85): VU035760.D (-2593) (-)

Ion 91.15 (90.85 to 91.85): VU035760.D (-2593) (-)

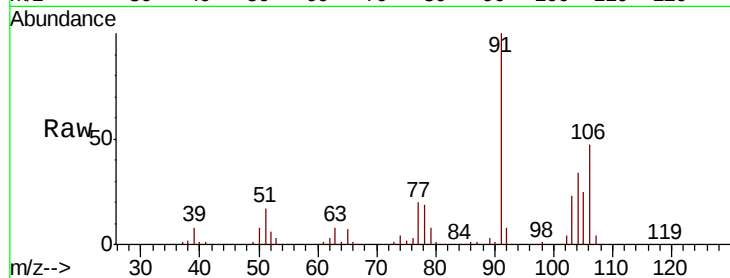




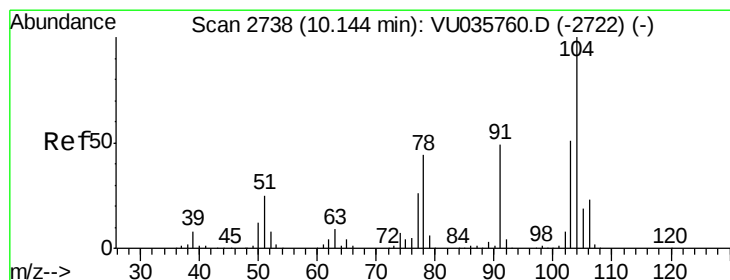
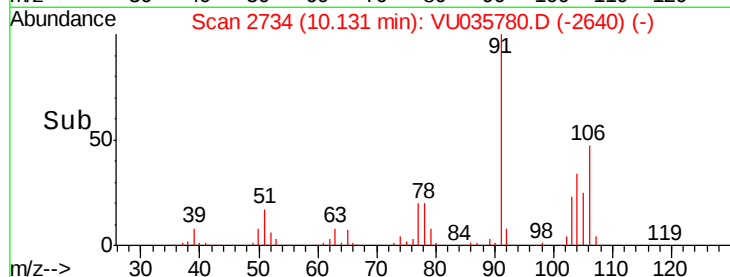
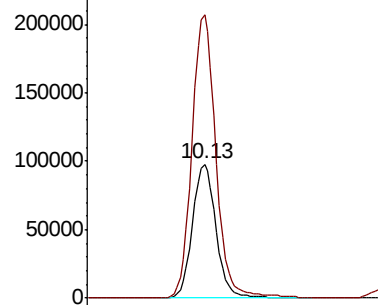
#54
o-Xylene
Concen: 5.416 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 169853
Ion Ratio Lower Upper
106 100
91 211.6 147.7 274.3

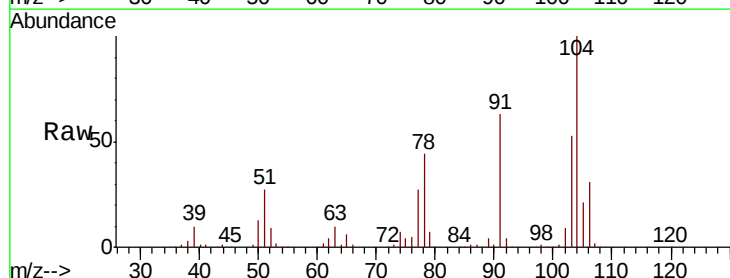


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

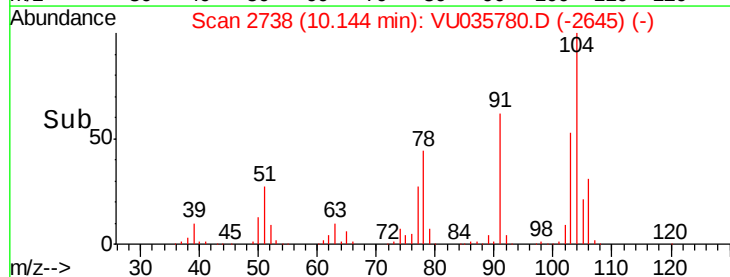
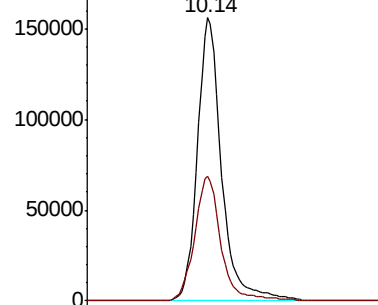


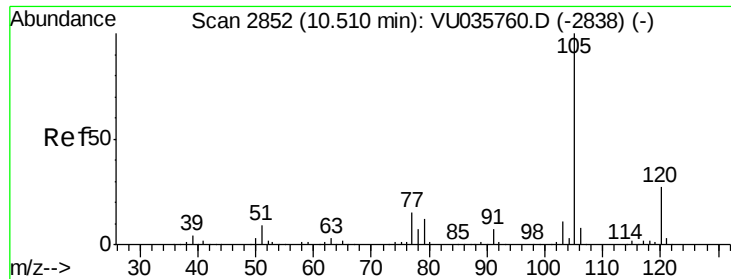
#55
Styrene
Concen: 5.648 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035780.D
Acq: 19 Nov 2019 19:47

Tgt Ion:104 Resp: 292839
Ion Ratio Lower Upper
104 100
78 44.2 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.360 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

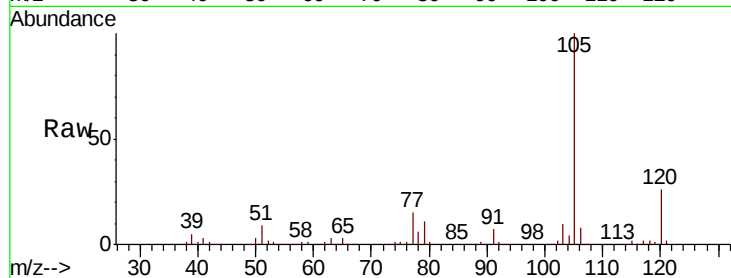
Tot Ion:105 Resp: 443626

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

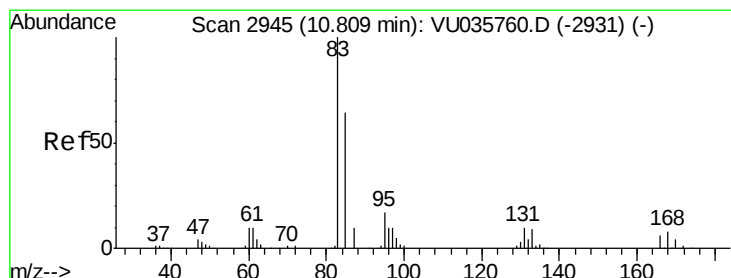
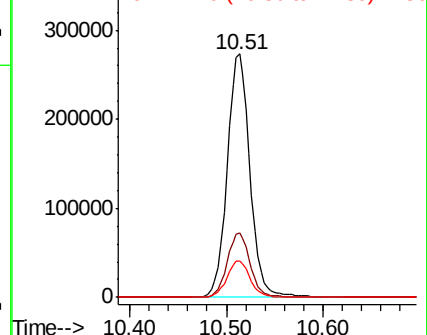
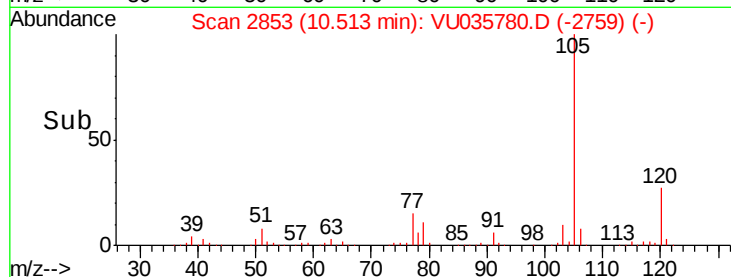
77 15.5 11.8 17.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.441 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

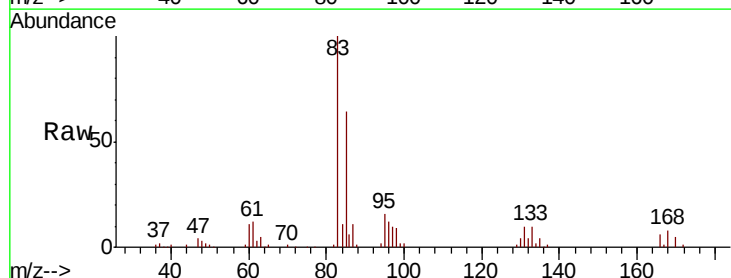
Tgt Ion: 83 Resp: 103834

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0

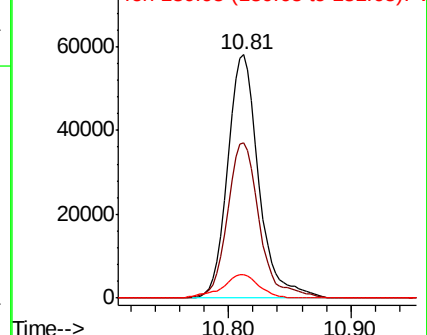
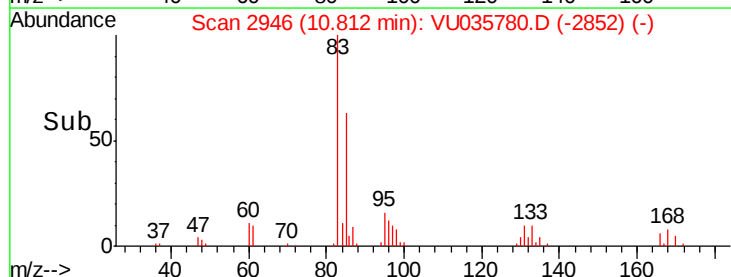
131 9.7 8.2 12.4

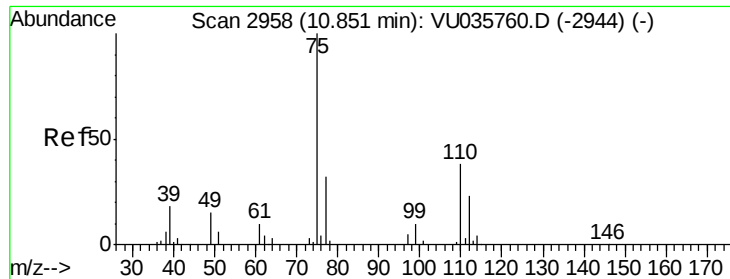


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.510 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

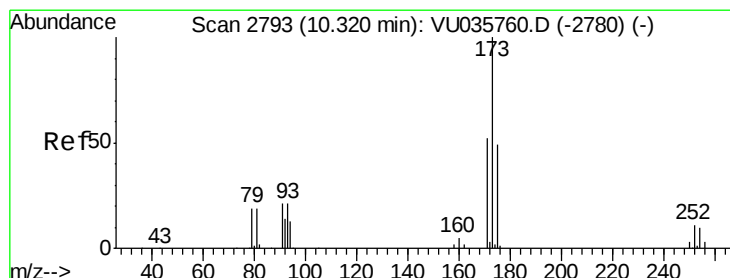
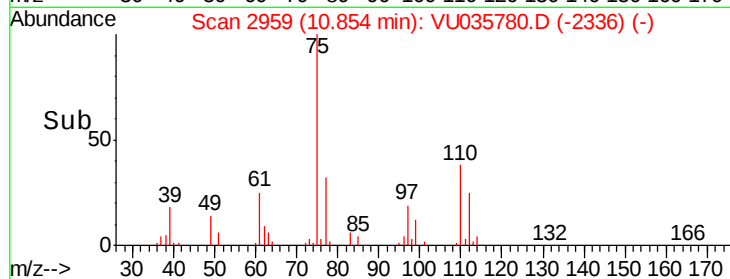
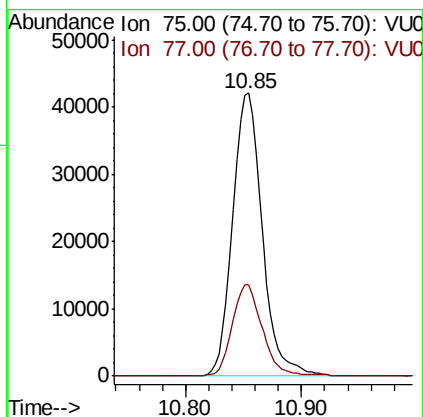
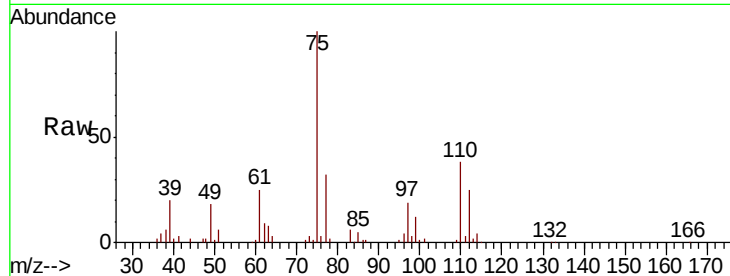
ClientSampleId :

Tot Ion: 75 Resp: 74321

Ion Ratio Lower Upper

75 100

77 31.5 26.8 40.2



#61

Bromoform

Concen: 5.676 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

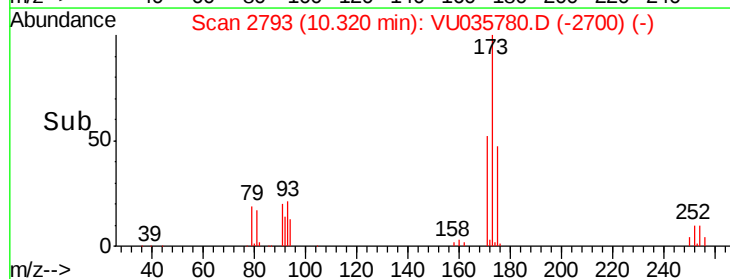
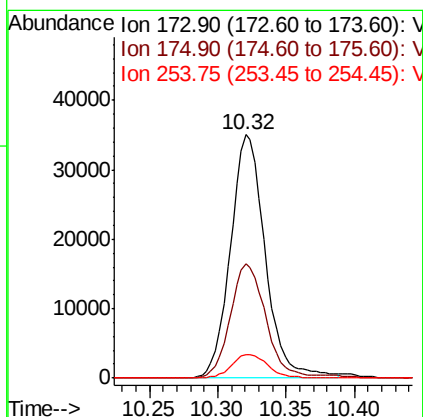
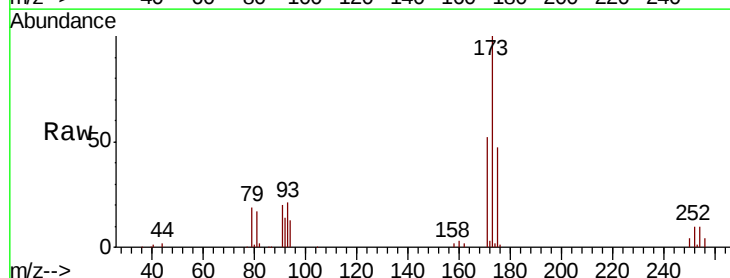
Tgt Ion: 173 Resp: 62082

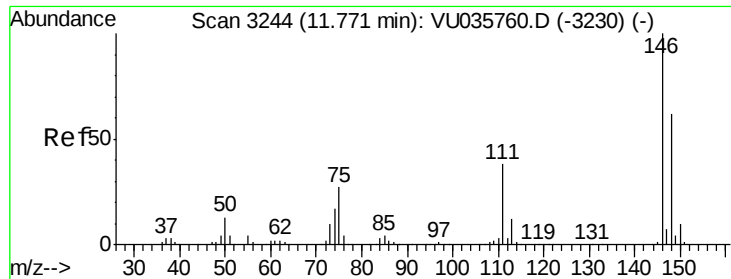
Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.4

254 10.0 8.5 12.7

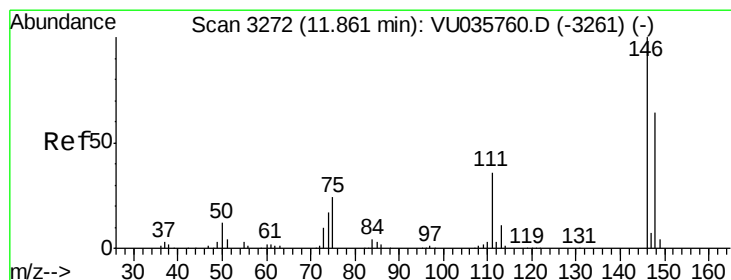
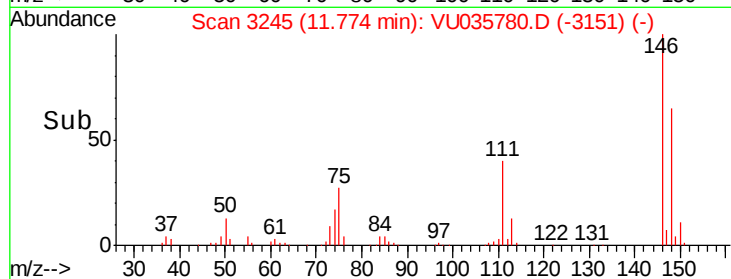
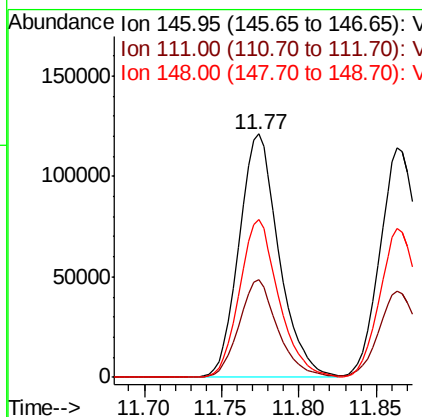
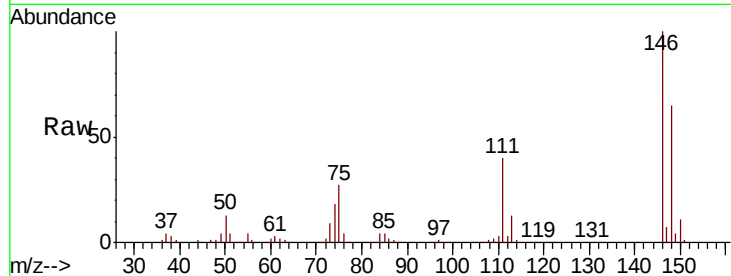




#62
 1,3-Dichlorobenzene
 Concen: 5.369 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

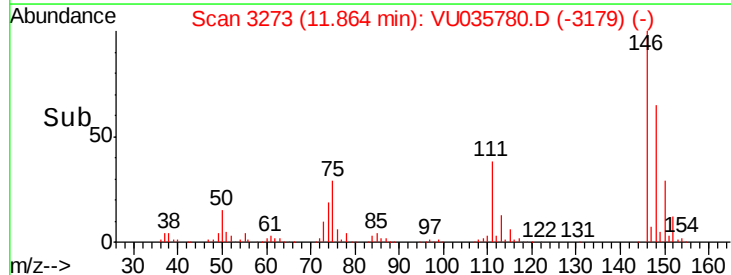
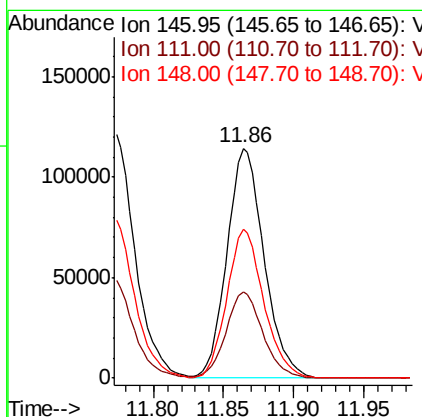
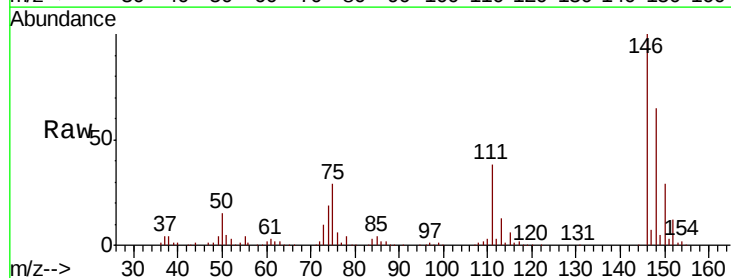
Instrument :
 MSVOA_U
 ClientSampleId :

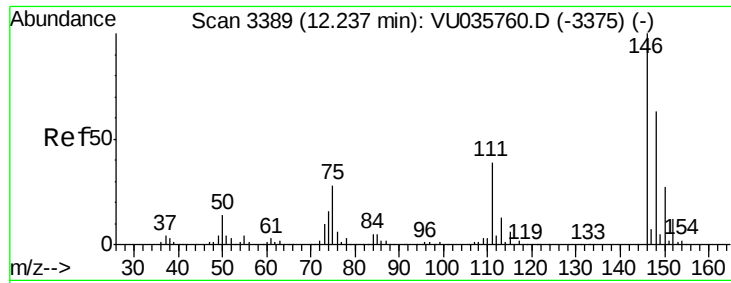
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	26.7	49.5
148	64.7	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	25.9	48.1
148	64.8	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 5.368 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

ClientSampled :

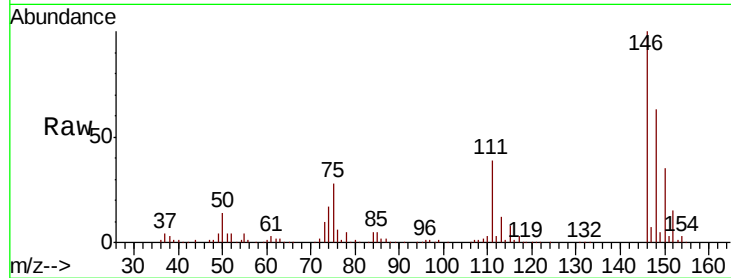
Tot Ion:146 Resp: 203839

Ion Ratio Lower Upper

146 100

111 38.9 32.2 48.4

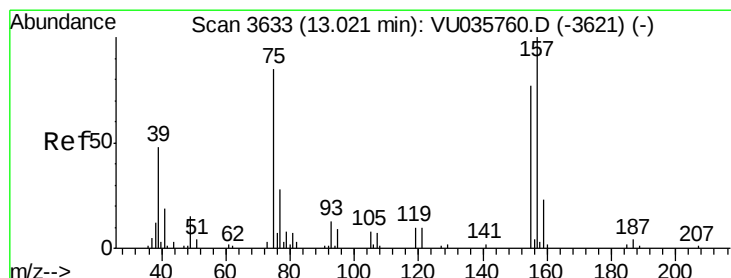
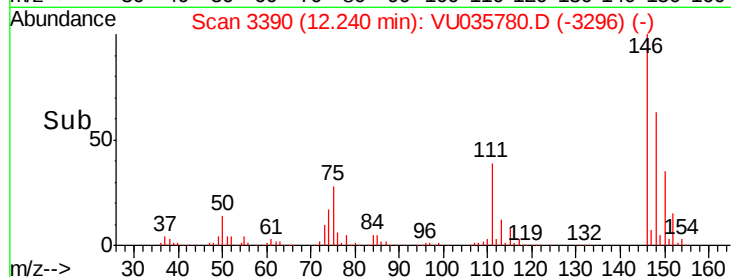
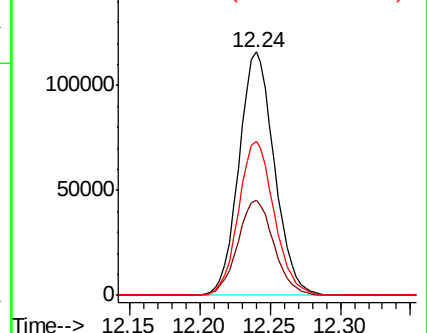
148 63.4 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.169 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

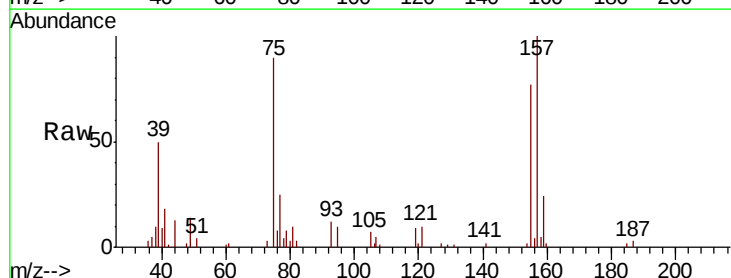
Tgt Ion: 75 Resp: 12490

Ion Ratio Lower Upper

75 100

155 85.5 73.3 109.9

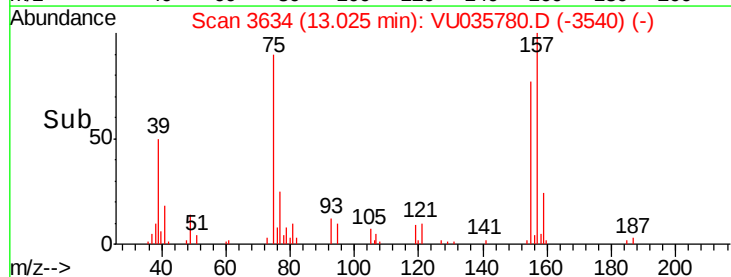
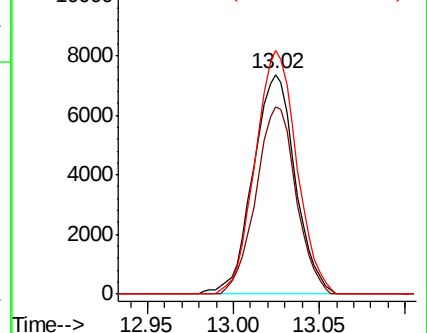
157 111.0 102.2 153.4

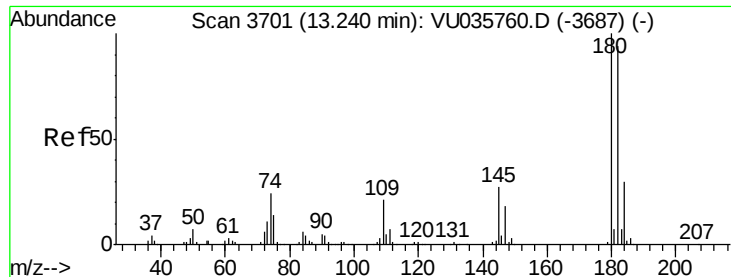


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

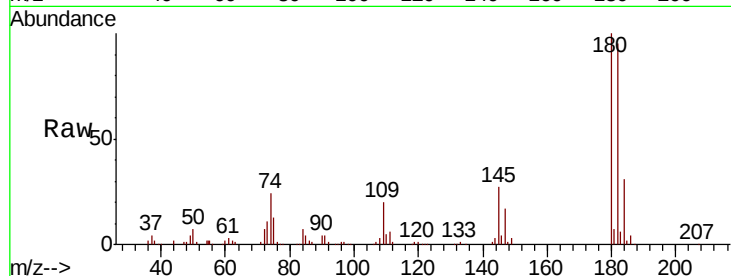




#67
 1,3,5-Trichlorobenzene
 Concen: 4.548 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	30.6	24.1	36.1
145	27.5	21.5	32.3



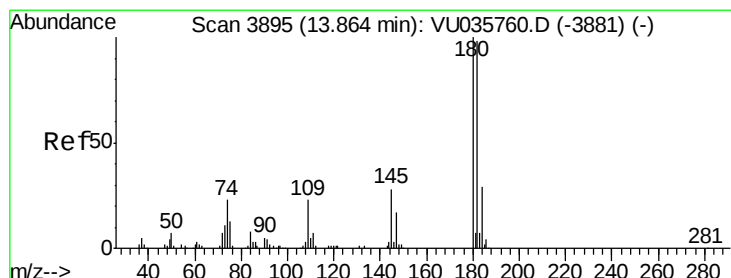
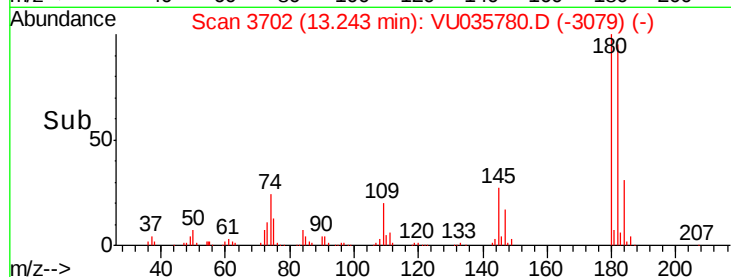
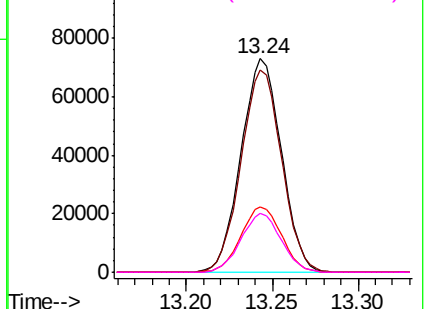
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

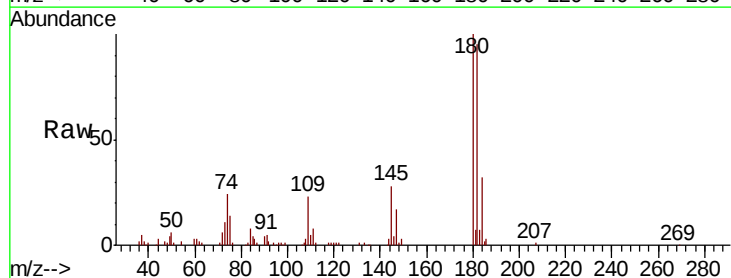
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.950 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035780.D
 Acq: 19 Nov 2019 19:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	77.4	116.2
145	27.3	22.2	33.4

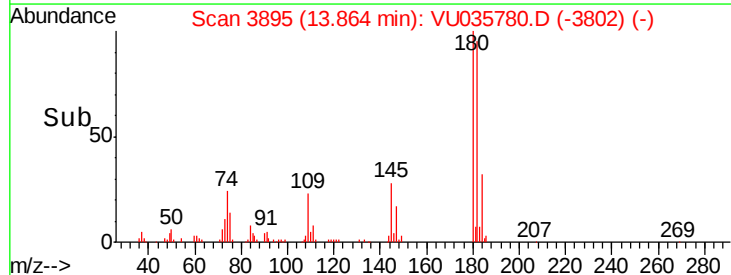
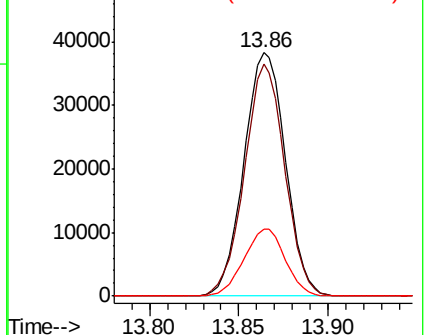


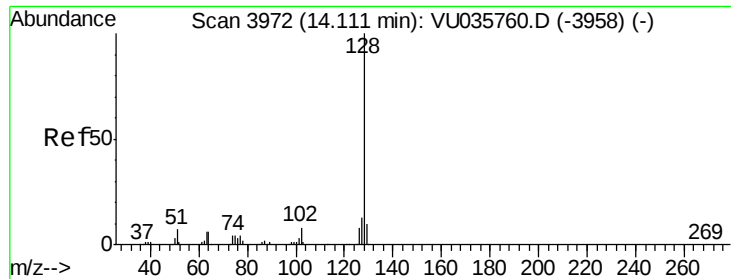
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.528 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

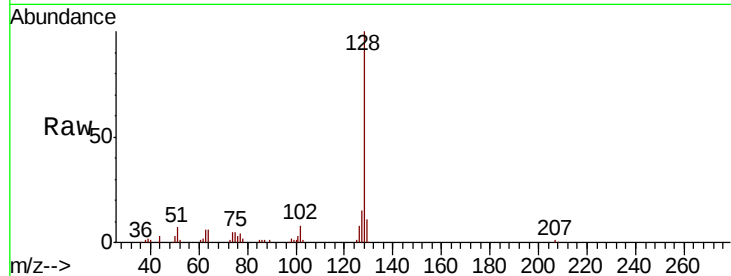
Tot Ion:128 Resp: 68269

Ion Ratio Lower Upper

128 100

129 11.4 8.1 12.1

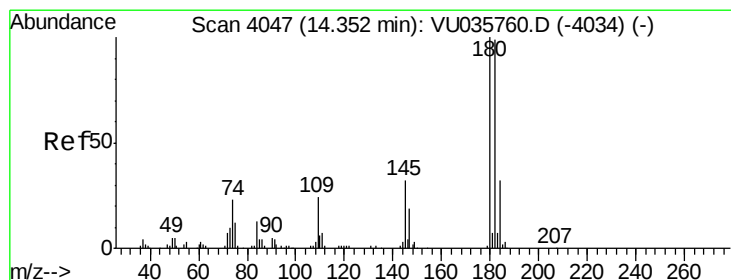
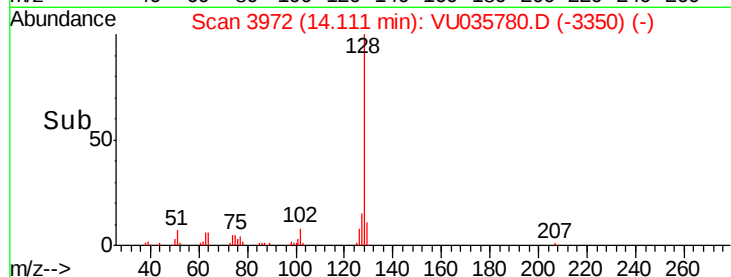
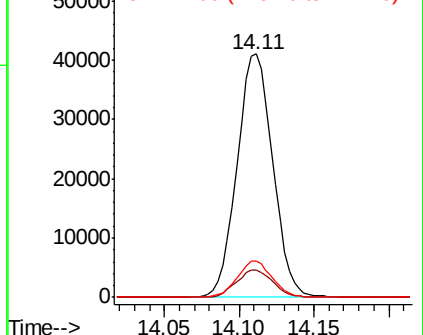
127 14.4 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.123 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035780.D

Acq: 19 Nov 2019 19:47

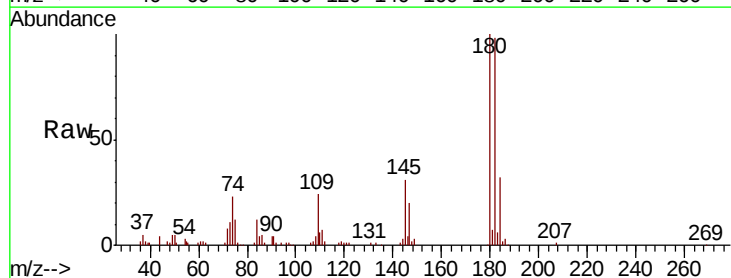
Tgt Ion:180 Resp: 62647

Ion Ratio Lower Upper

180 100

182 96.8 74.8 112.2

145 30.0 23.6 35.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

