

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093019\
 Data File : VU034877.D
 Acq On : 30 Sep 2019 13:16
 Operator : JC/SP
 Sample : VSTD00105
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 17:01:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR093019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 30 16:58:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	165911	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	160396	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	75244	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	10831	0.83	ug/L	0.00
7) Chloroethane-d5	1.68	69	9508	0.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	20089	0.88	ug/L	0.00
20) 2-Butanone-d5	4.19	46	32104	9.77	ug/L	0.01
24) Chloroform-d	4.63	84	18449	0.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	12325	1.05	ug/L	0.00
32) Benzene-d6	5.32	84	36708	0.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	12703	0.89	ug/L	0.00
41) Toluene-d8	7.55	98	36191	0.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	4178	0.73	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	21854	8.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	9466	0.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	11748	0.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	9227	0.765 ug/L	100
3) Chloromethane	1.32	50	7854	0.712 ug/L	97
5) Vinyl chloride	1.40	62	8241	0.698 ug/L	99
6) Bromomethane	1.62	94	4040	0.690 ug/L	99
8) Chloroethane	1.69	64	4694	0.687 ug/L	93
9) Trichlorofluoromethane	1.88	101	11433	0.727 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7622	0.853 ug/L	97
12) 1,1-Dichloroethene	2.27	96	5163	0.666 ug/L	93
13) Acetone	2.33	43	24643	9.787 ug/L	100
14) Carbon disulfide	2.46	76	8996	0.478 ug/L #	93
15) Methyl Acetate	2.61	43	5312	0.896 ug/L	99
16) Methylene chloride	2.68	84	9274	0.887 ug/L	97
17) Methyl tert-butyl Ether	2.99	73	23978	0.855 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	5475	0.678 ug/L	89
19) 1,1-Dichloroethane	3.42	63	17096	0.845 ug/L	100
21) 2-Butanone	4.28	43	34543	9.534 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	8051	0.733 ug/L	93
23) Bromochloromethane	4.52	128	3433	0.845 ug/L	94
25) Chloroform	4.65	83	22159	0.964 ug/L	96
27) 1,2-Dichloroethane	5.39	62	12308	0.933 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	13642	0.823 ug/L	97
30) Cyclohexane	4.96	56	9991	0.604 ug/L #	93
31) Carbon tetrachloride	5.11	117	10622	0.794 ug/L	99
33) Benzene	5.37	78	30924	0.744 ug/L	100
34) Trichloroethene	6.17	95	8009	0.769 ug/L	98
35) Methylcyclohexane	6.39	83	10253	0.630 ug/L	98
37) 1,2-Dichloropropane	6.41	63	10494	0.805 ug/L #	97
38) Bromodichloromethane	6.74	83	12888	0.817 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	12262	0.679 ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	87999	8.757 ug/L	99

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

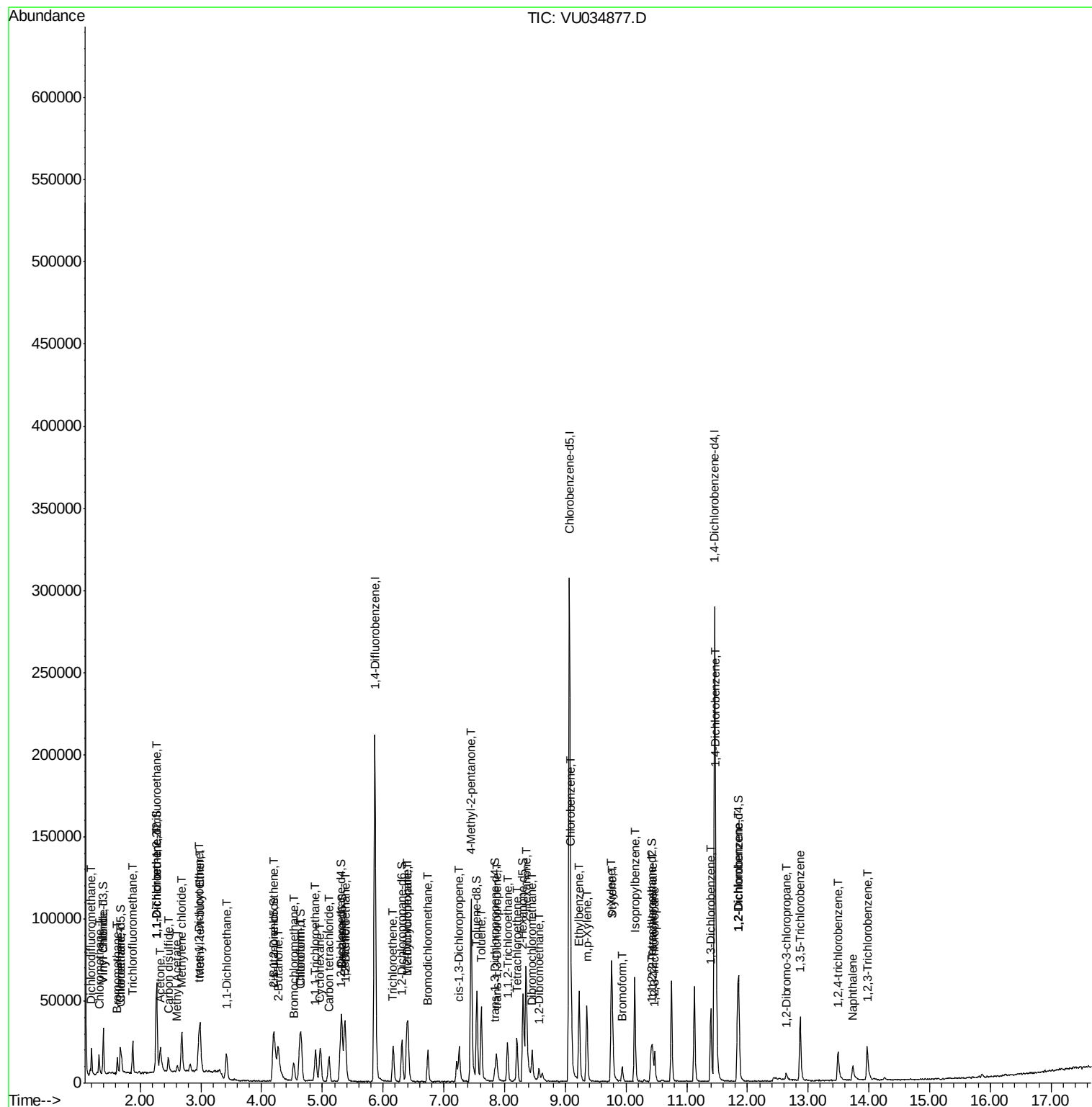
42) Toluene	7.62	91	32169	0.715	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	10130	0.686	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	7591	0.897	ug/L	96
47) Tetrachloroethene	8.21	164	5466	0.850	ug/L	91
48) 2-Hexanone	8.35	43	54914	8.096	ug/L	97
49) Dibromochloromethane	8.46	129	7593	0.768	ug/L	97
50) 1,2-Dibromoethane	8.57	107	5642	0.753	ug/L #	96
51) Chlorobenzene	9.10	112	22681	0.800	ug/L	99
52) Ethylbenzene	9.23	91	39562	0.760	ug/L	98
53) m,p-Xylene	9.36	106	13709	0.743	ug/L	98
54) o-Xylene	9.76	106	14344	0.771	ug/L	85
55) Styrene	9.77	104	22756	0.732	ug/L	99
56) Isopropylbenzene	10.14	105	40049	0.770	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	10777	0.874	ug/L	96
59) 1,2,3-Trichloropropane	10.47	75	7598	0.881	ug/L	88
61) Bromoform	9.94	173	4156	0.842	ug/L #	98
62) 1,3-Dichlorobenzene	11.40	146	18229	0.839	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	19194	0.888	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	19399	0.902	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	1289	0.685	ug/L	89
67) 1,3,5-Trichlorobenzene	12.87	180	13720	0.944	ug/L	96
68) 1,2,4-trichlorobenzene	13.49	180	7466	0.648	ug/L	94
69) Naphthalene	13.74	128	10693	0.397	ug/L #	84
70) 1,2,3-Trichlorobenzene	13.97	180	8329	0.765	ug/L	99

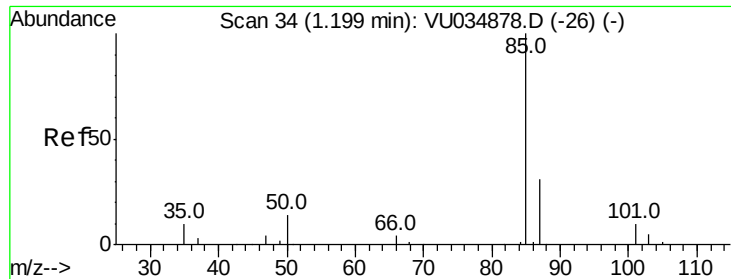
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.765 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

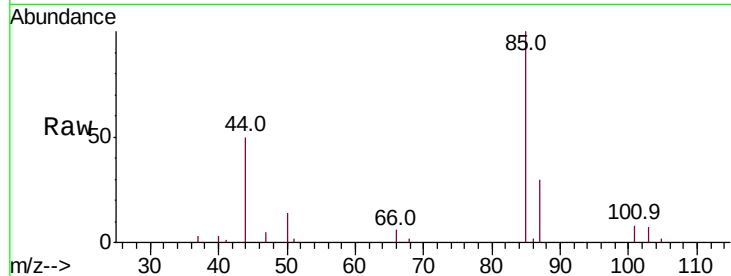
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 9227

Ion Ratio Lower Upper

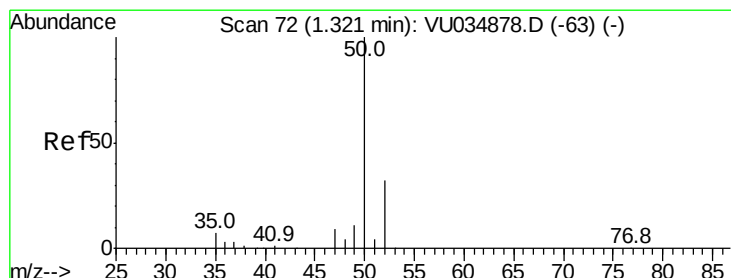
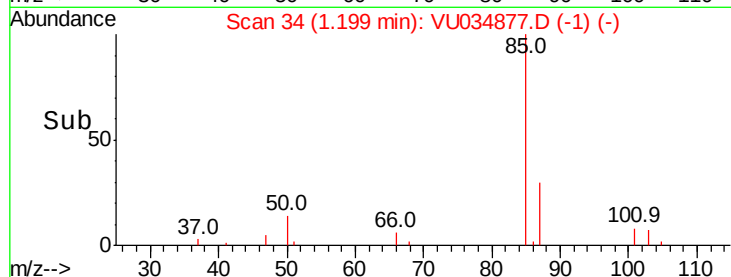
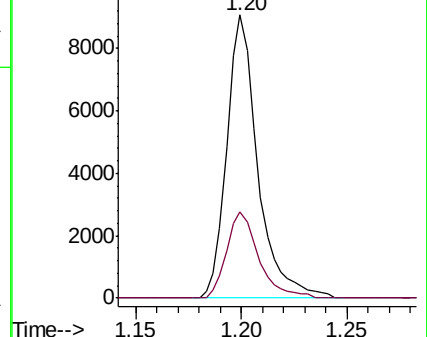
85 100

87 31.3 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU034877.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034877.D (-1) (-)



#3

Chloromethane

Concen: 0.712 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034877.D

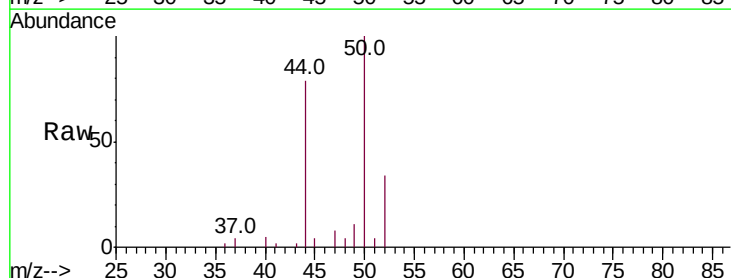
Acq: 30 Sep 2019 13:16

Tgt Ion: 50 Resp: 7854

Ion Ratio Lower Upper

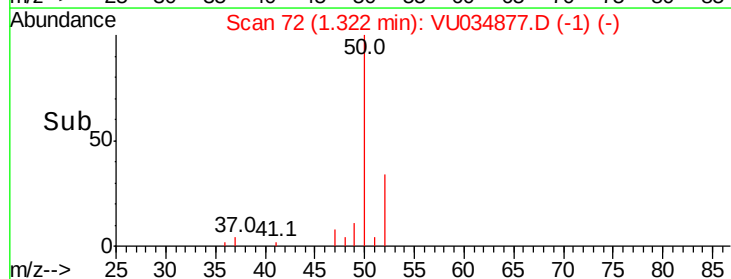
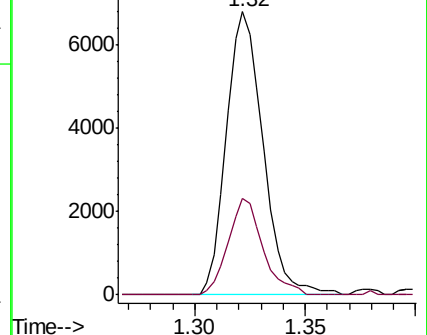
50 100

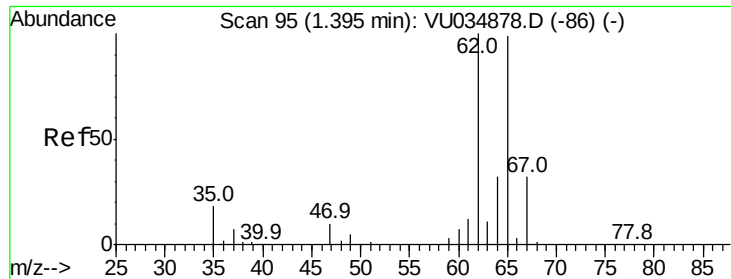
52 34.0 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VU034877.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034877.D (-1) (-)





#5

Vinyl chloride

Concen: 0.698 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

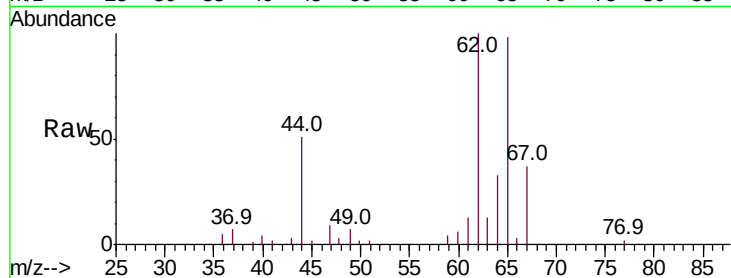
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 8241

Ion Ratio Lower Upper

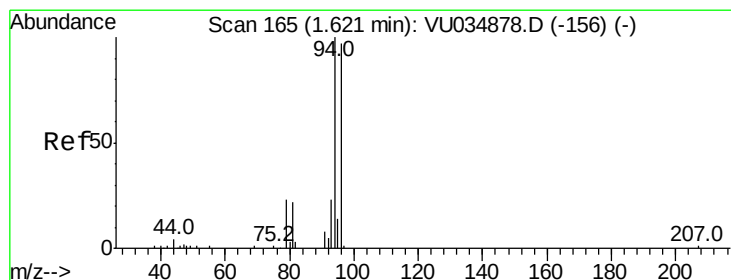
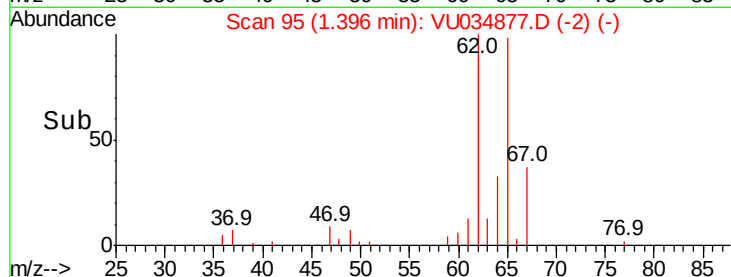
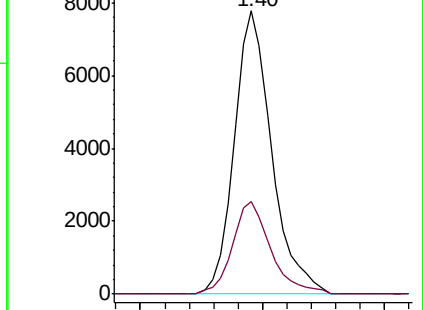
62 100

64 32.9 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU034877.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034877.D (-86) (-)



#6

Bromomethane

Concen: 0.690 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034877.D

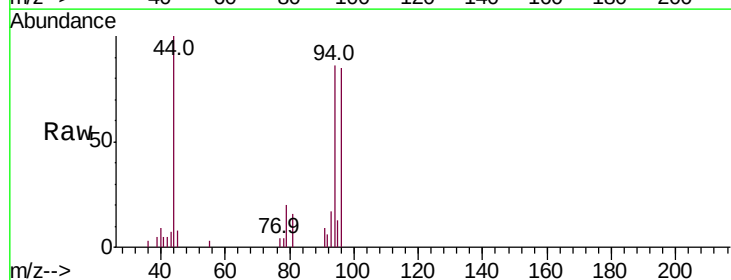
Acq: 30 Sep 2019 13:16

Tgt Ion: 94 Resp: 4040

Ion Ratio Lower Upper

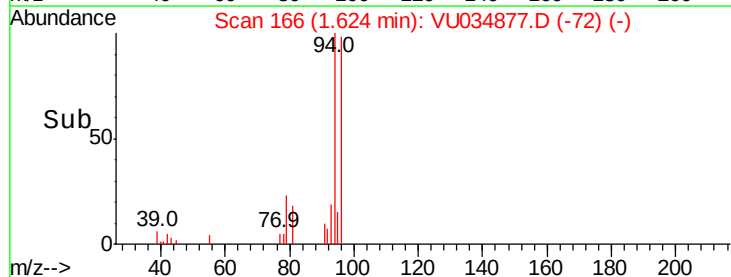
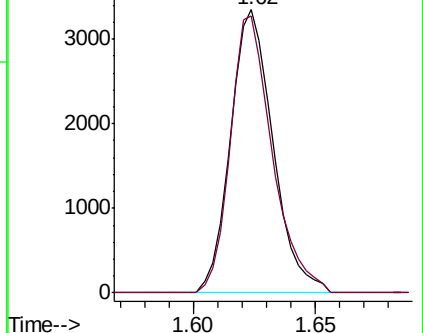
94 100

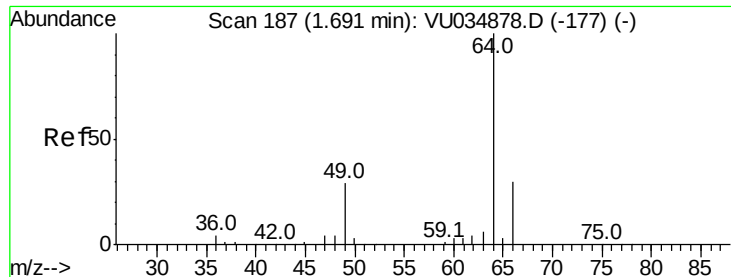
96 98.1 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VU034877.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034877.D (-156) (-)





#8

Chloroethane

Concen: 0.687 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

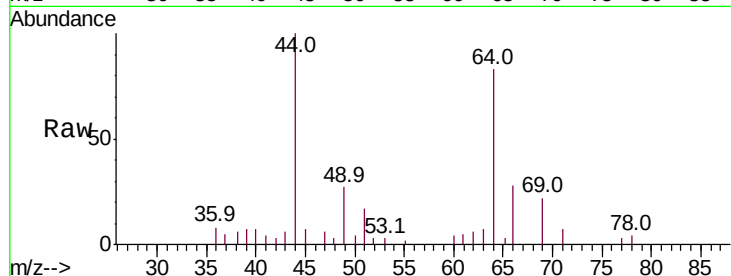
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 4694

Ion Ratio Lower Upper

64 100

66 33.8 20.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VU034877.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034877.D (-177) (-)

1.69

4000

3000

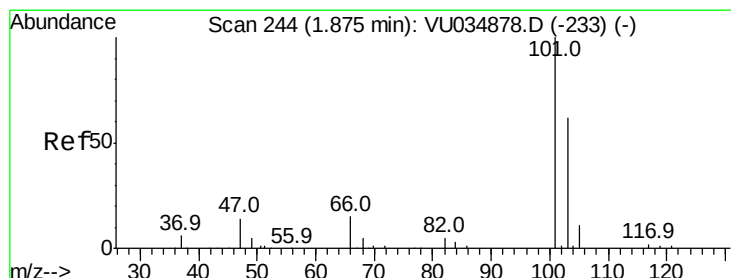
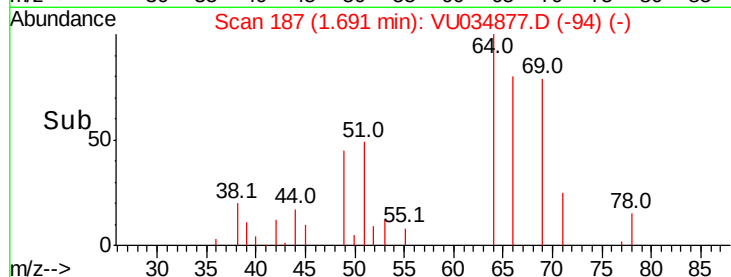
2000

1000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 0.727 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034877.D

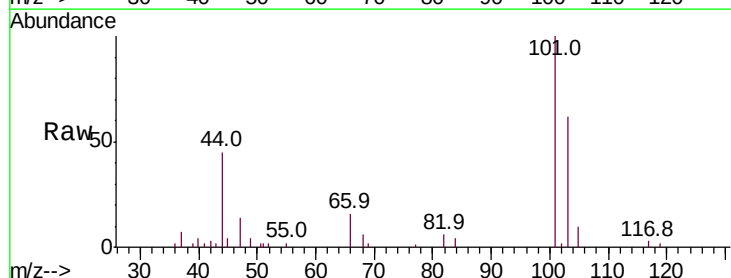
Acq: 30 Sep 2019 13:16

Tgt Ion: 101 Resp: 11433

Ion Ratio Lower Upper

101 100

103 66.0 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): VU034877.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034877.D (-233) (-)

1.88

10000

8000

6000

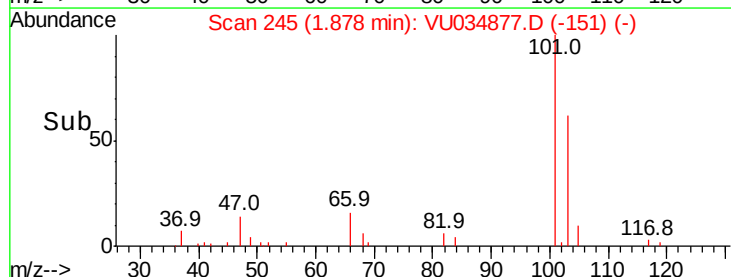
4000

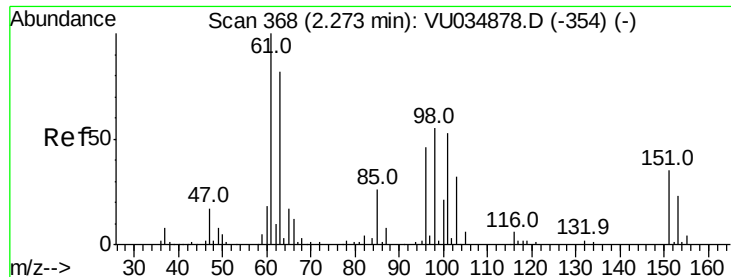
2000

0

1.85 1.90

Time-->





#10

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

Concen: 0.853 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

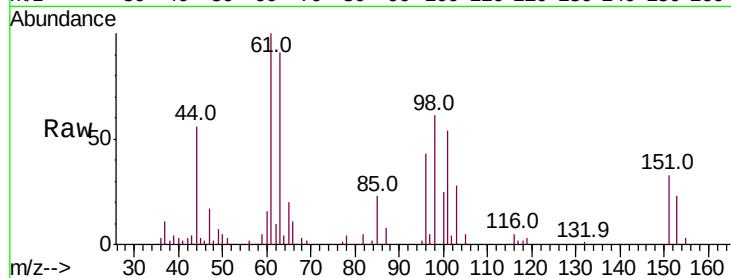
Tot Ion:101 Resp: 7622

Ion Ratio Lower Upper

101 100

85 43.1 37.3 55.9

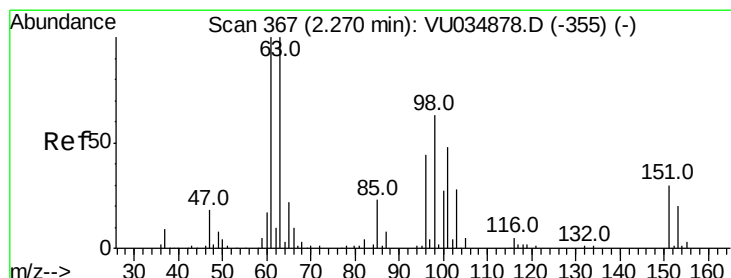
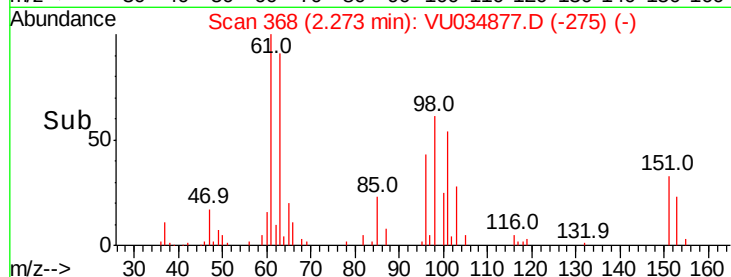
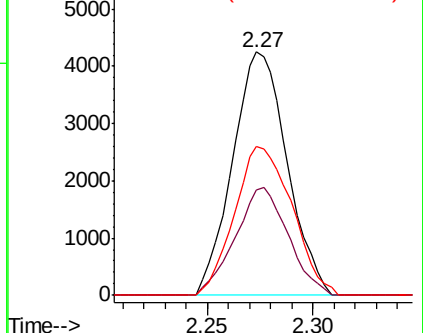
151 64.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.666 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

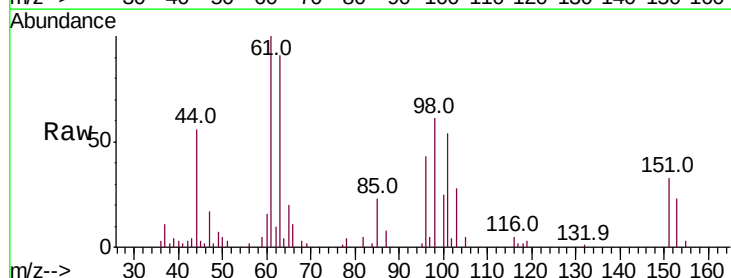
Tgt Ion: 96 Resp: 5163

Ion Ratio Lower Upper

96 100

61 233.7 160.5 298.1

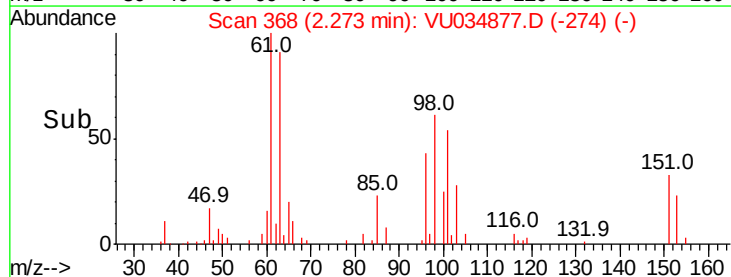
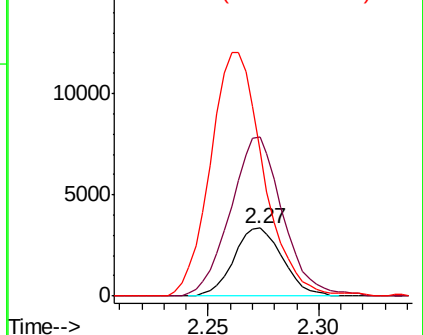
63 213.3 162.3 301.5

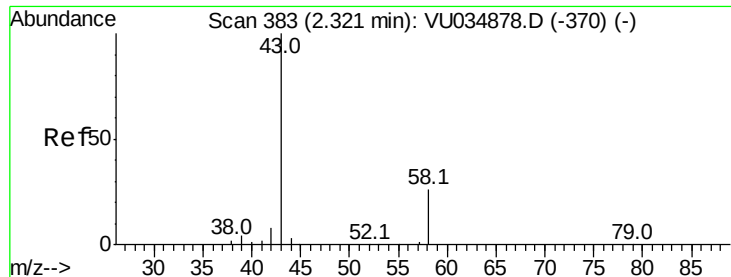


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.787 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

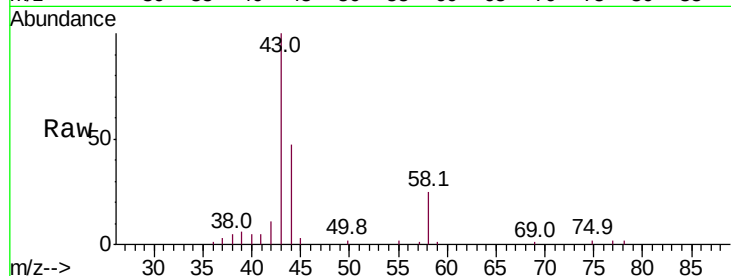
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 24643

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.0



Abundance Ion 43.05 (42.75 to 43.75): VU034877.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU034877.D (-290) (-)

2.33

10000

8000

6000

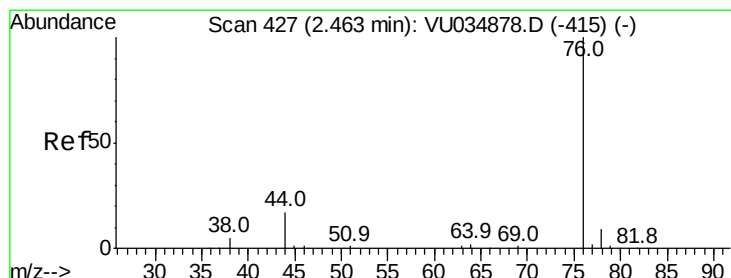
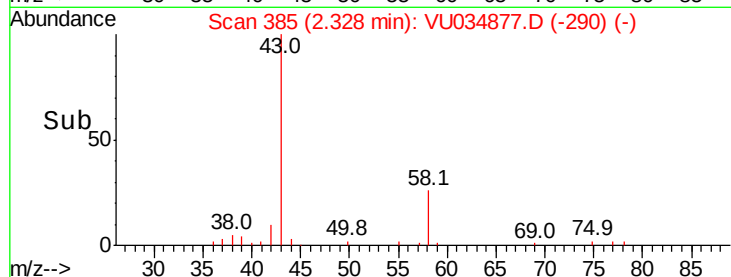
4000

2000

0

Time-->

2.25 2.30 2.35 2.40 2.45



#14

Carbon disulfide

Concen: 0.478 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034877.D

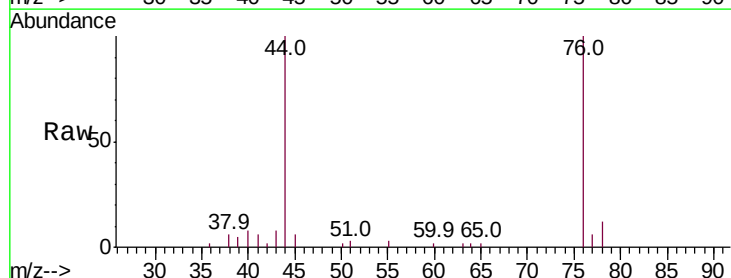
Acq: 30 Sep 2019 13:16

Tgt Ion: 76 Resp: 8996

Ion Ratio Lower Upper

76 100

78 12.4 7.9 11.9#



Abundance Ion 76.05 (75.75 to 76.75): VU034877.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034877.D (-334) (-)

2.46

6000

5000

4000

3000

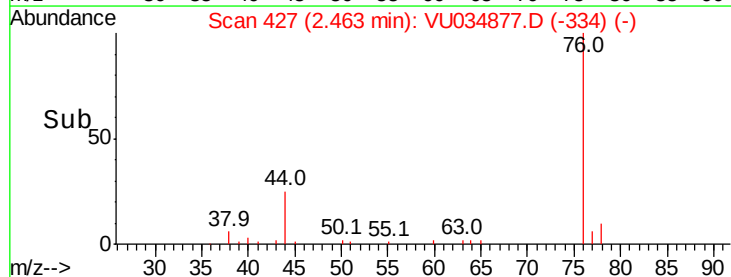
2000

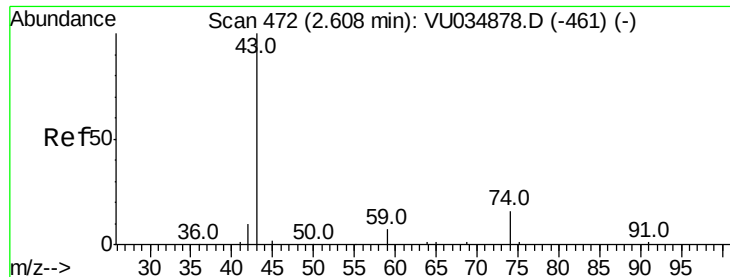
1000

0

Time-->

2.40 2.45 2.50

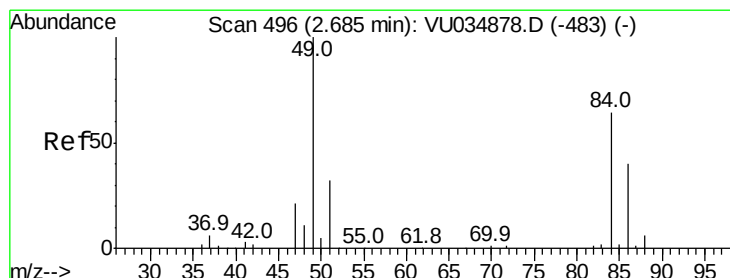
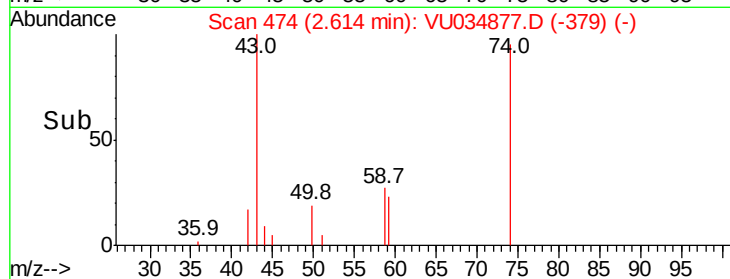
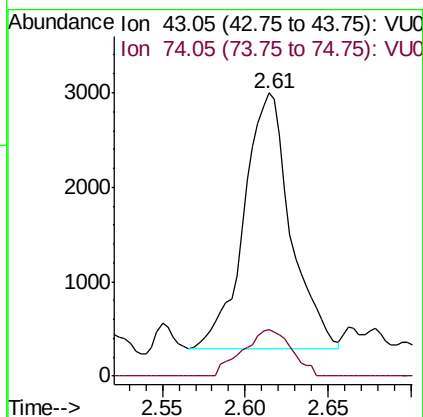
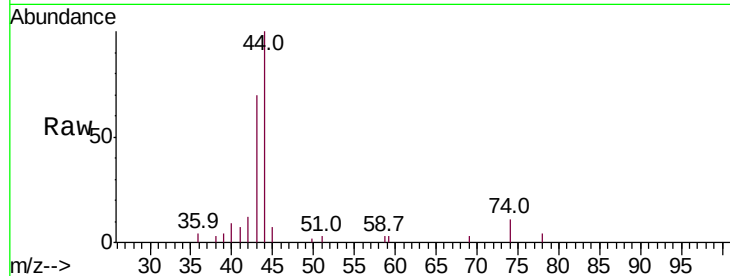




#15
Methvl Acetate
Concen: 0.896 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

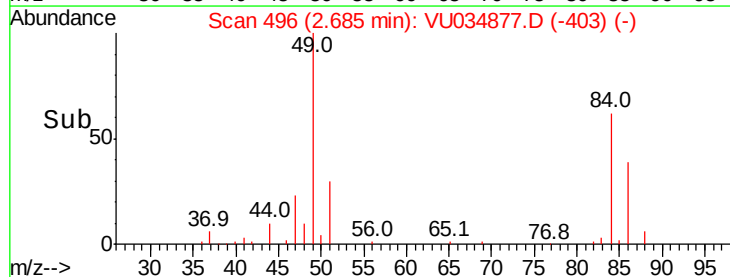
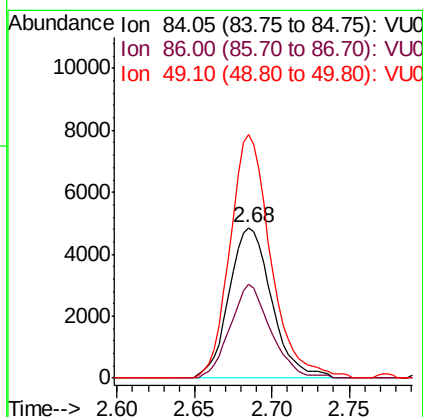
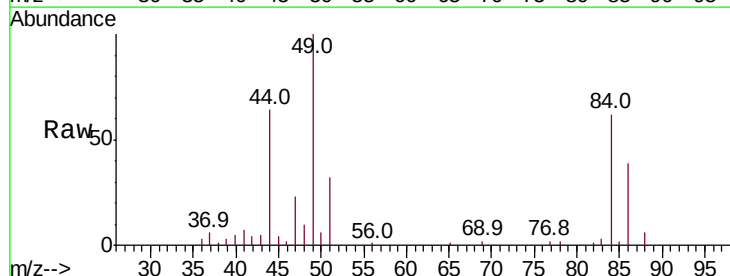
Instrument :
MSVOA_U
ClientSampleId :

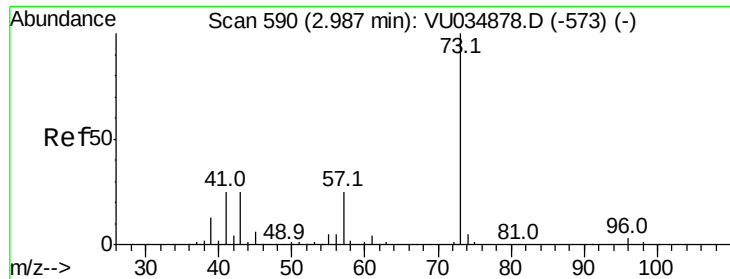
Tot Ion: 43 Resp: 5312
Ion Ratio Lower Upper
43 100
74 19.0 15.5 23.3



#16
Methylene chloride
Concen: 0.887 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Tgt Ion: 84 Resp: 9274
Ion Ratio Lower Upper
84 100
86 62.8 44.2 82.2
49 162.0 110.0 204.4

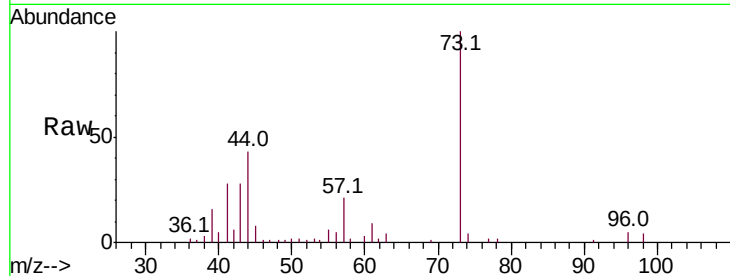




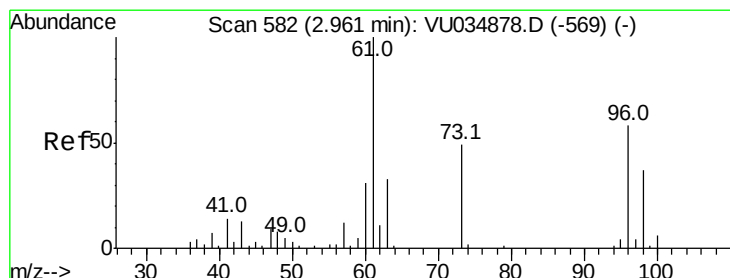
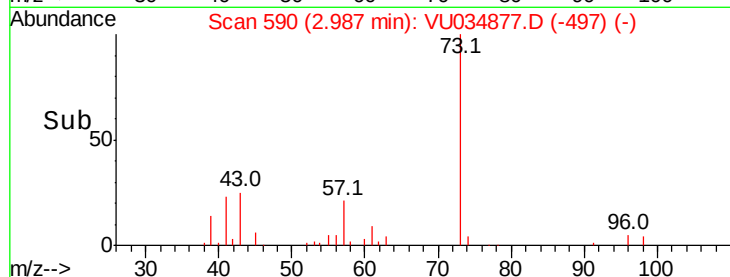
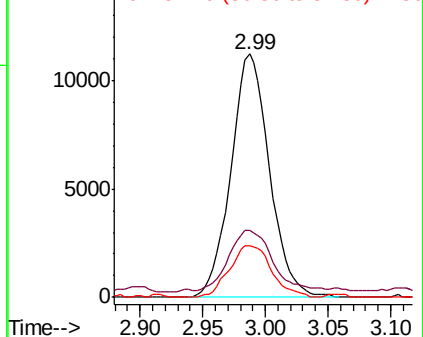
#17
Methyl tert-butyl Ether
Concen: 0.855 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 23978
Ion Ratio Lower Upper
73 100
43 28.2 20.8 31.2
57 23.3 19.8 29.6

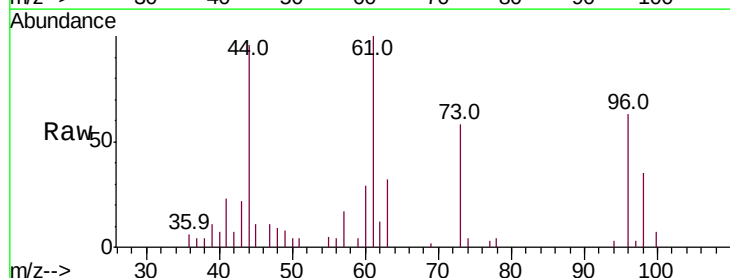


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

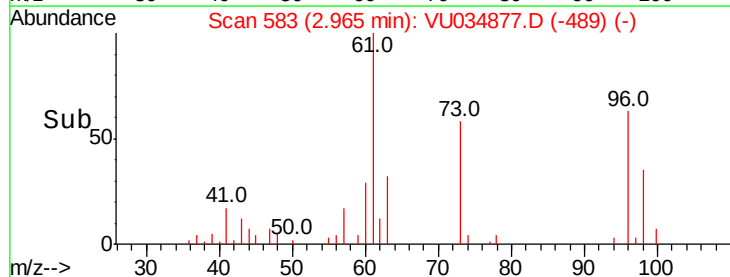
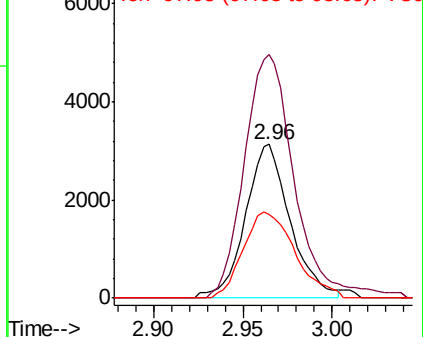


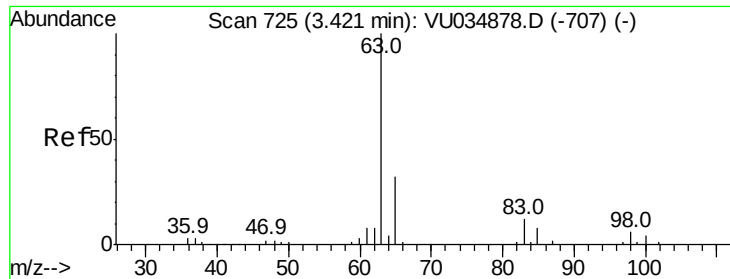
#18
trans-1,2-Dichloroethene
Concen: 0.678 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Tgt Ion: 96 Resp: 5475
Ion Ratio Lower Upper
96 100
61 158.6 121.0 224.8
98 54.9 44.7 83.1



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

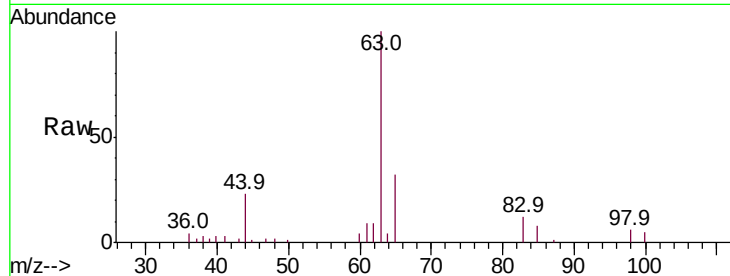




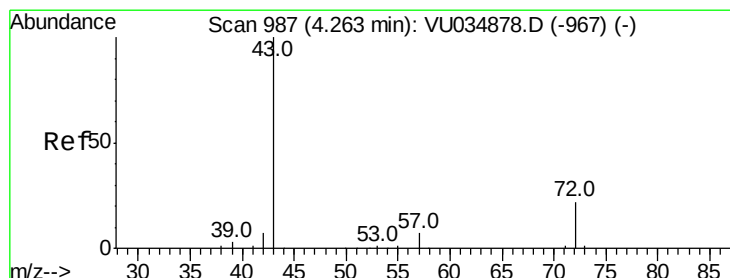
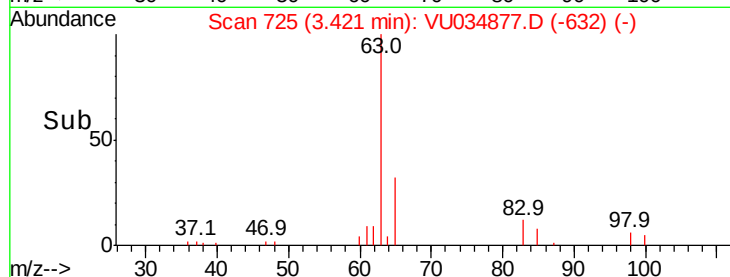
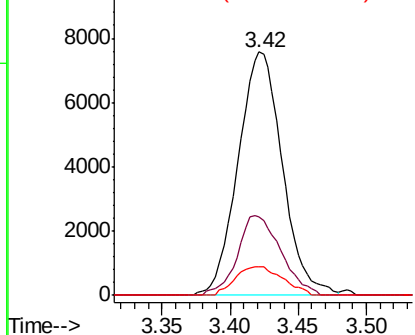
#19
 1,1-Dichloroethane
 Concen: 0.845 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 17096
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.7 42.1
 83 11.9 8.4 15.6

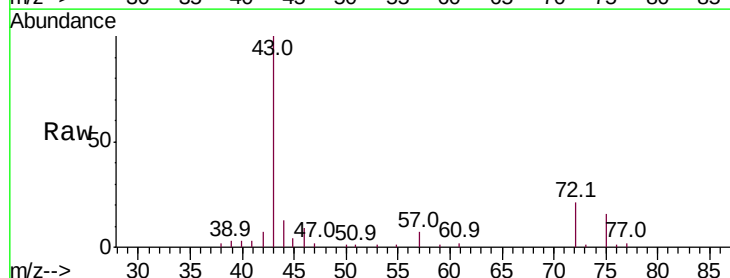


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

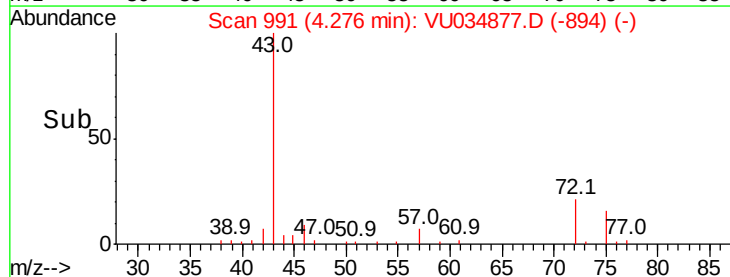
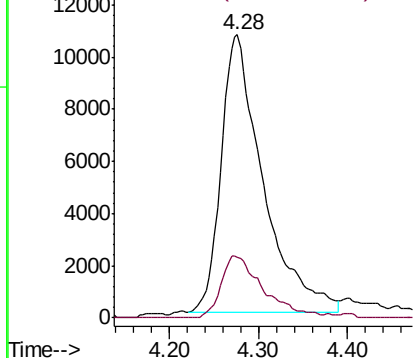


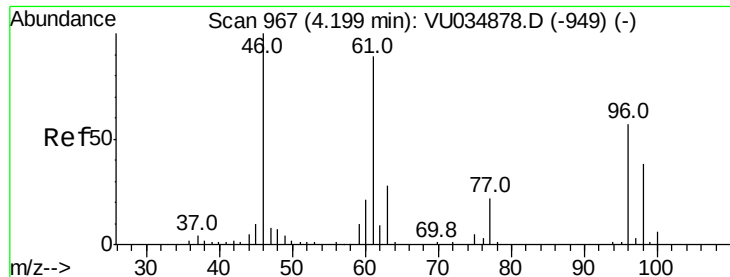
#21
 2-Butanone
 Concen: 9.534 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion: 43 Resp: 34543
 Ion Ratio Lower Upper
 43 100
 72 22.5 10.1 30.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



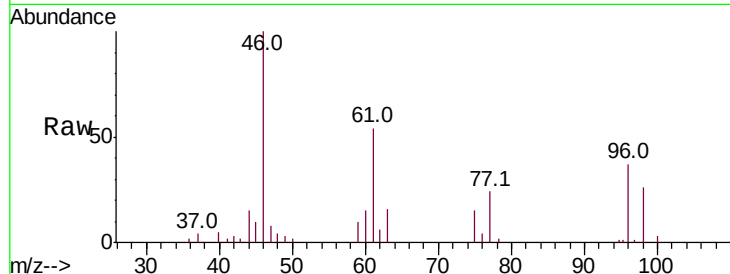


#22

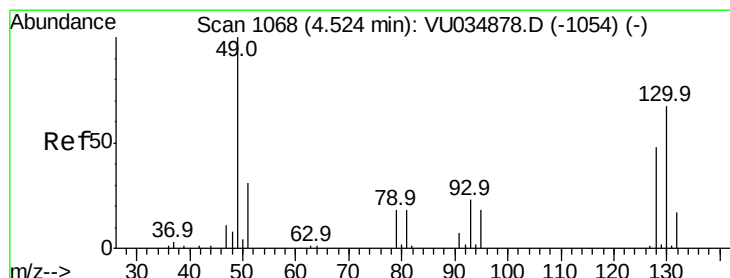
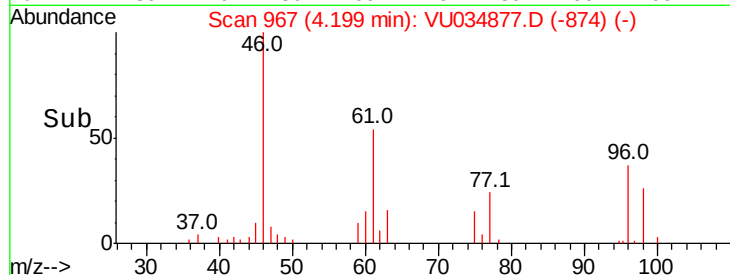
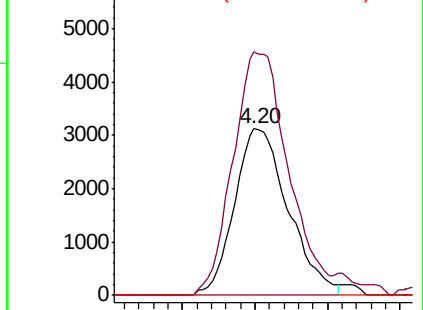
cis-1,2-Dichloroethene
 Concen: 0.733 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 8051
 Ion Ratio Lower Upper
 96 100
 61 146.1 108.6 201.8
 68 0.0 0.0 0.0



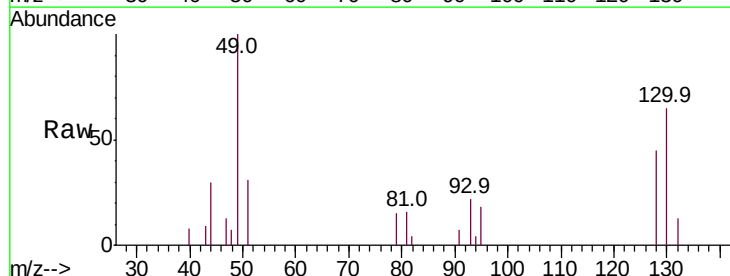
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



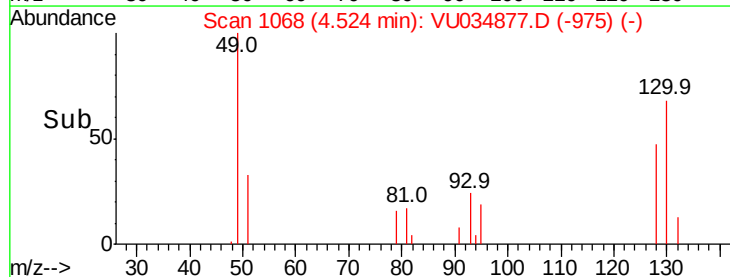
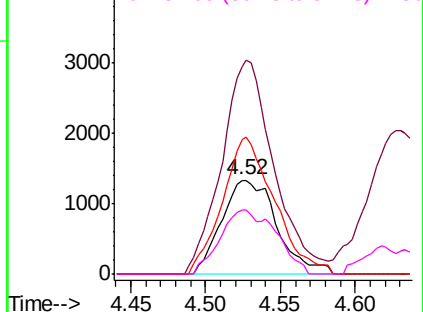
#23

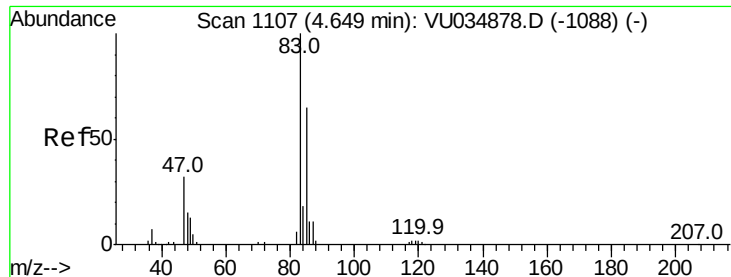
Bromochloromethane
 Concen: 0.845 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion: 128 Resp: 3433
 Ion Ratio Lower Upper
 128 100
 49 221.4 146.5 272.1
 130 144.1 97.2 180.4
 51 68.9 51.3 76.9



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: 0.964 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

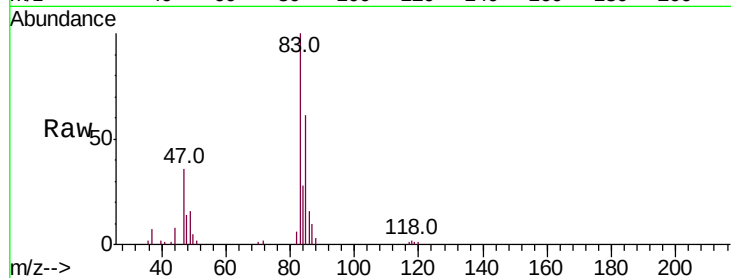
ClientSampled :

Tot Ion: 83 Resp: 22159

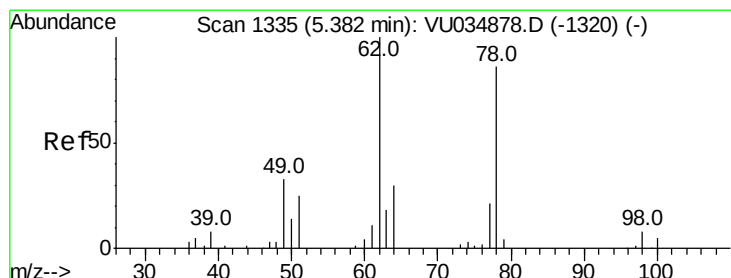
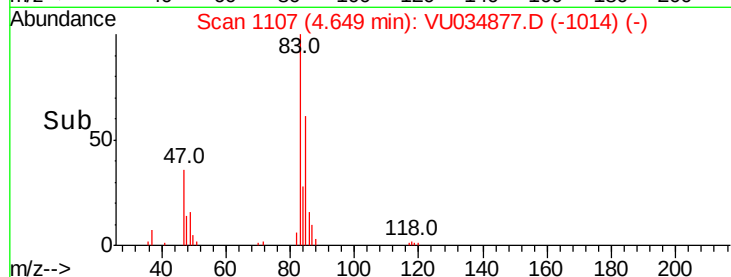
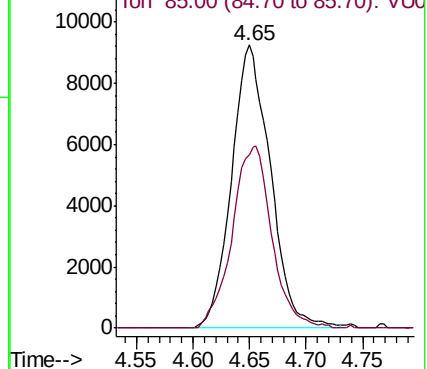
Ion Ratio Lower Upper

83 100

85 61.2 45.2 84.0



Abundance Ion 83.05 (82.75 to 83.75): VU034878.D (-1088) (-)



#27

1,2-Dichloroethane

Concen: 0.933 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU034877.D

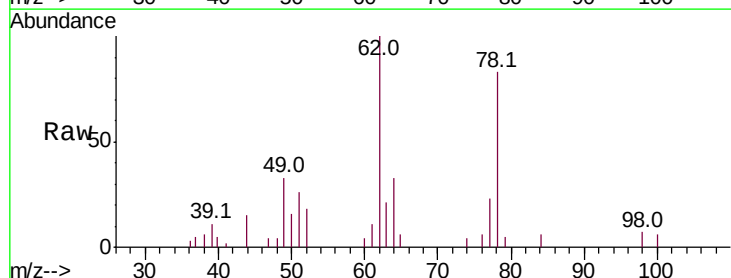
Acq: 30 Sep 2019 13:16

Tgt Ion: 62 Resp: 12308

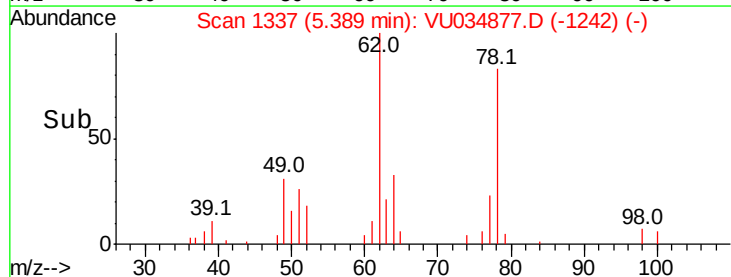
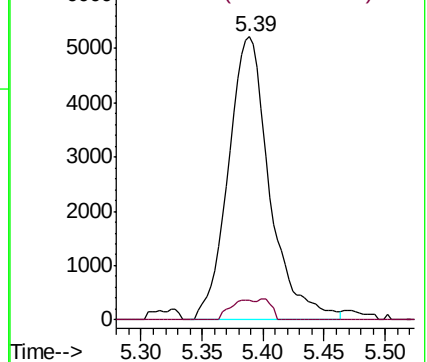
Ion Ratio Lower Upper

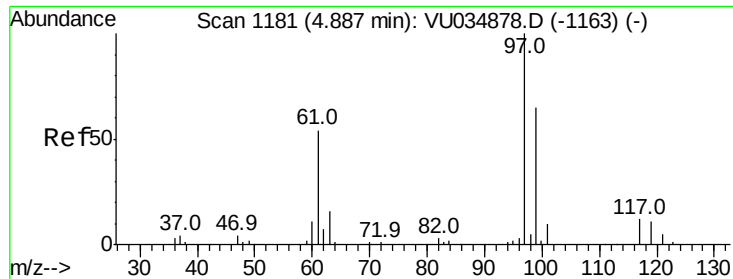
62 100

98 7.0 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VU034878.D (-1320) (-)

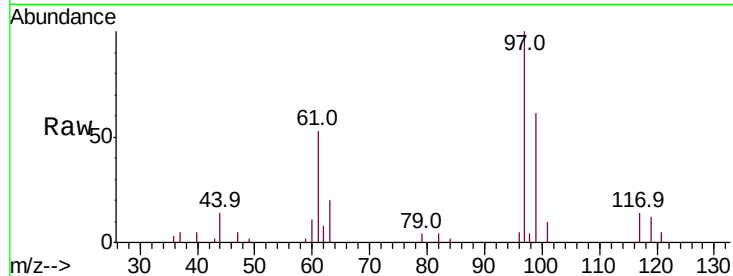




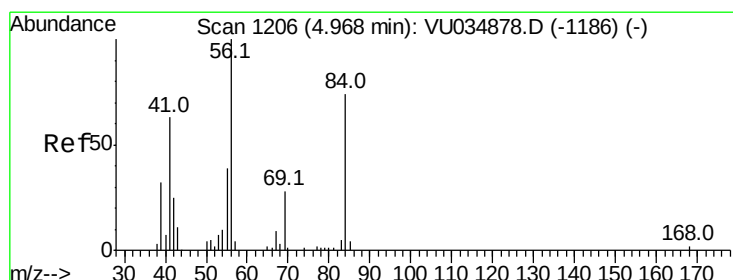
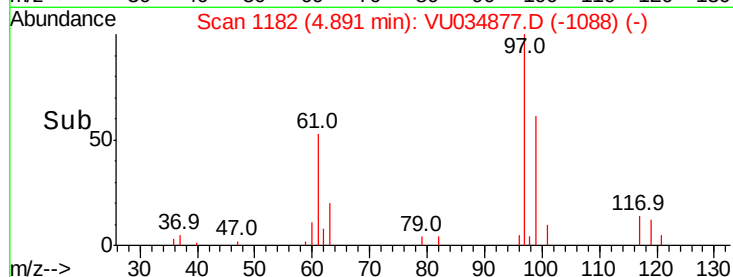
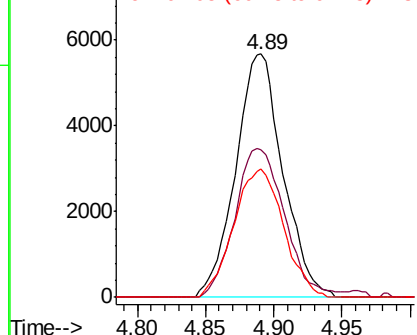
#29
 1,1,1-Trichloroethane
 Concen: 0.823 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 13642
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.2 78.4
 61 55.5 41.4 62.2

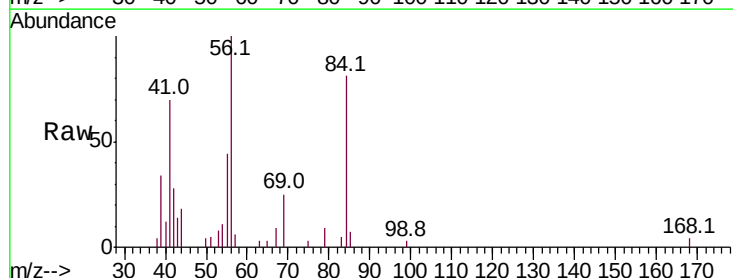


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

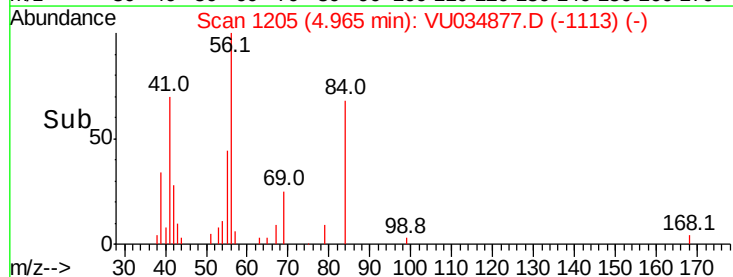
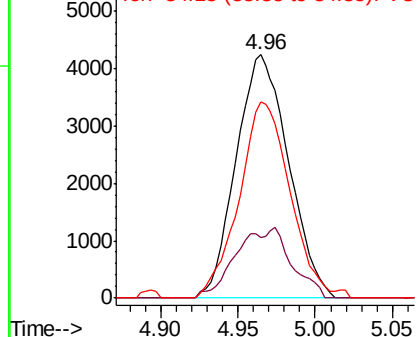


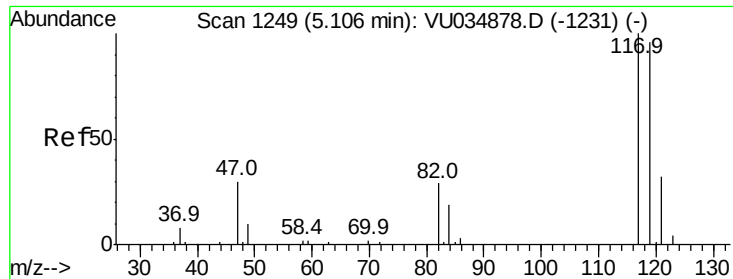
#30
 Cyclohexane
 Concen: 0.604 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion: 56 Resp: 9991
 Ion Ratio Lower Upper
 56 100
 69 15.3 22.6 34.0#
 84 78.9 63.4 95.2



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

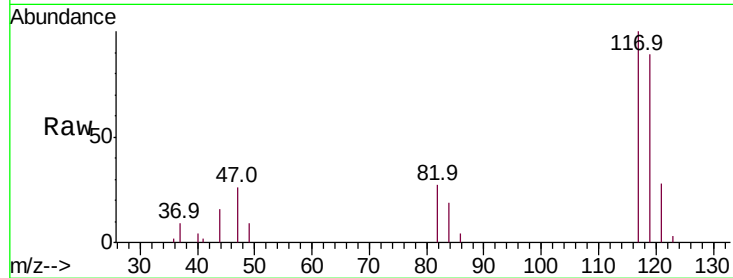




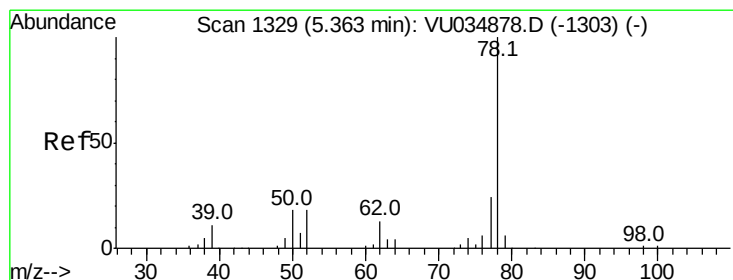
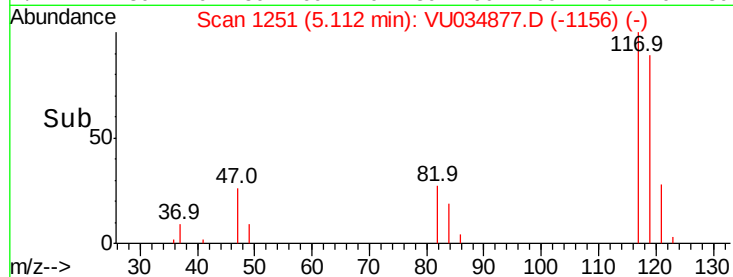
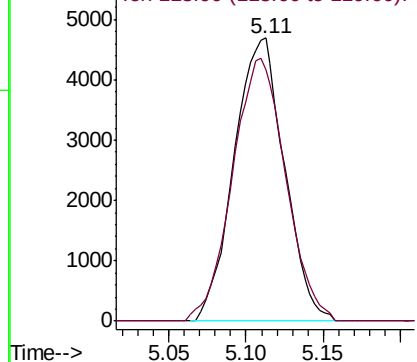
#31
Carbon tetrachloride
Concen: 0.794 ug/L
RT: 5.11 min Scan# 1251
Delta R.T. 0.01 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Instrument :
MSVOA_U
ClientSampled :

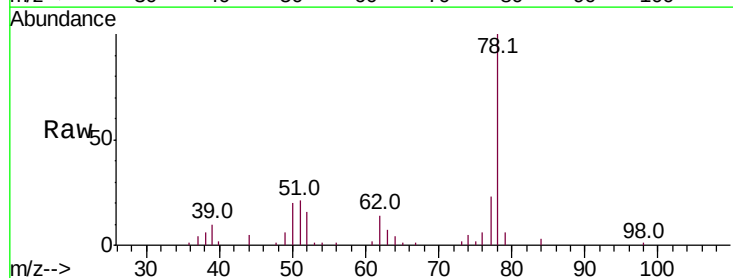
Tot Ion:117 Resp: 10622
Ion Ratio Lower Upper
117 100
119 97.9 77.8 116.8



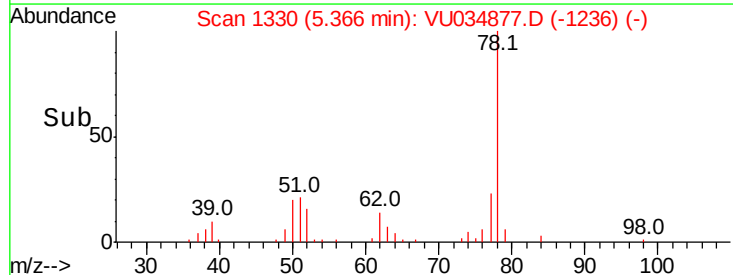
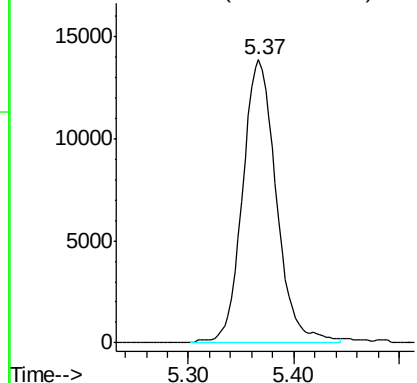
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

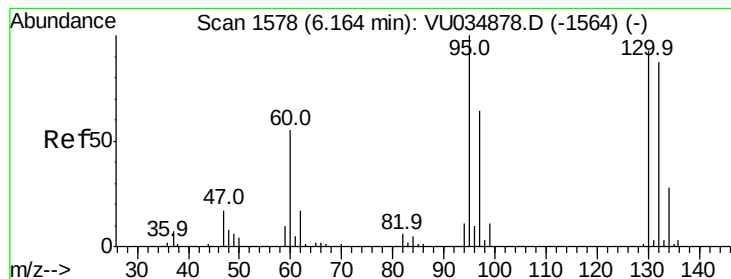


#33
Benzene
Concen: 0.744 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16
Tgt Ion: 78 Resp: 30924



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.769 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 8009

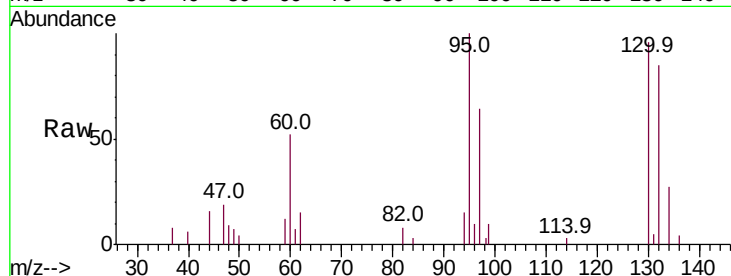
Ion Ratio Lower Upper

95 100

97 63.6 45.1 83.7

132 85.4 61.2 113.8

130 95.6 65.1 120.9

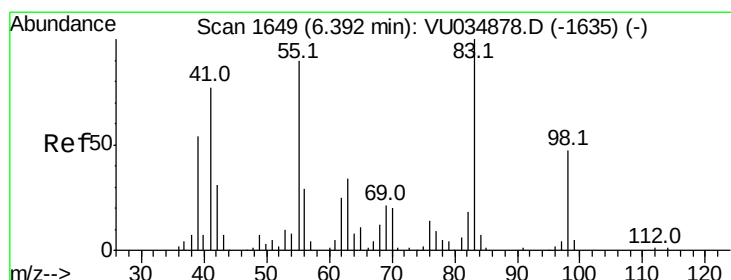
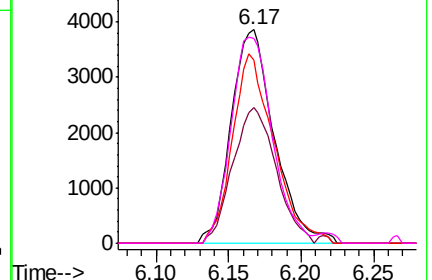
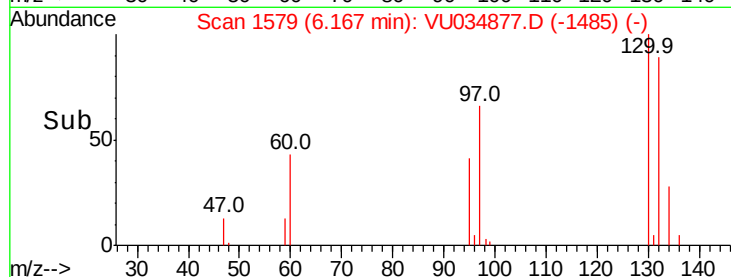


Abundance Ion 95.00 (94.70 to 95.70): VU034877.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU034877.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU034877.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU034877.D (-1564) (-)



#35

Methylcyclohexane

Concen: 0.630 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

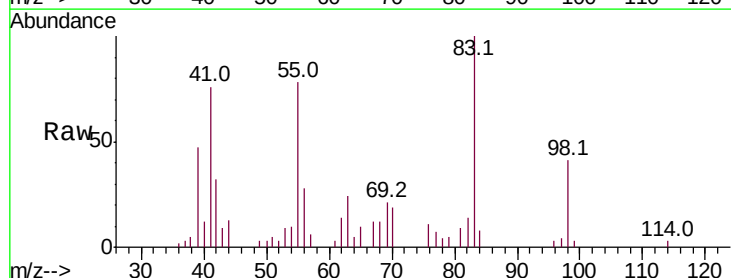
Tgt Ion: 83 Resp: 10253

Ion Ratio Lower Upper

83 100

55 86.0 68.9 103.3

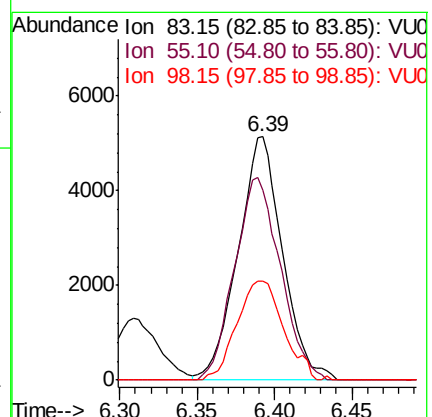
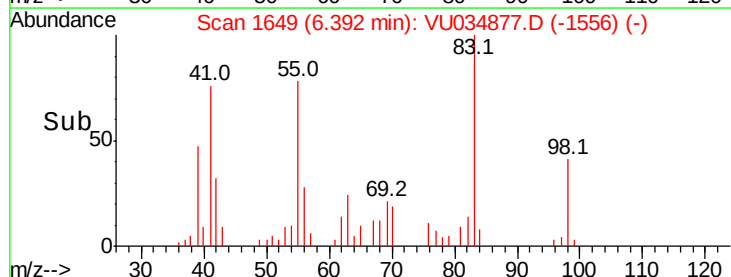
98 42.8 36.6 54.8

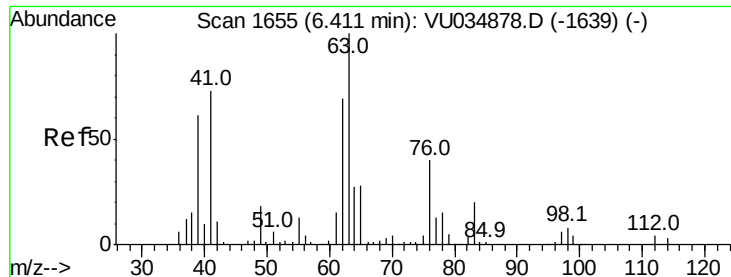


Abundance Ion 83.15 (82.85 to 83.85): VU034877.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU034877.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU034877.D (-1556) (-)

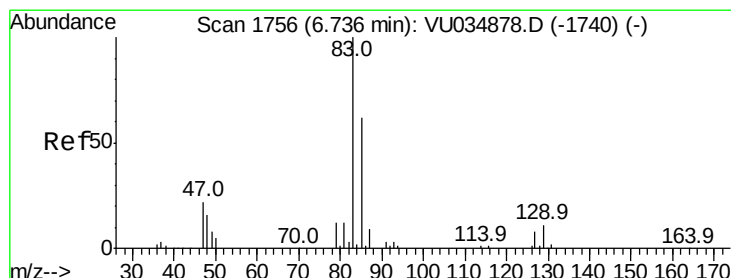
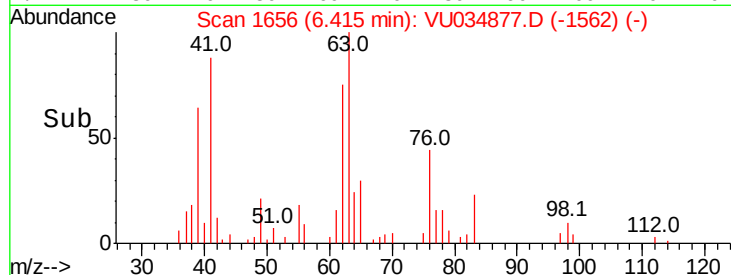
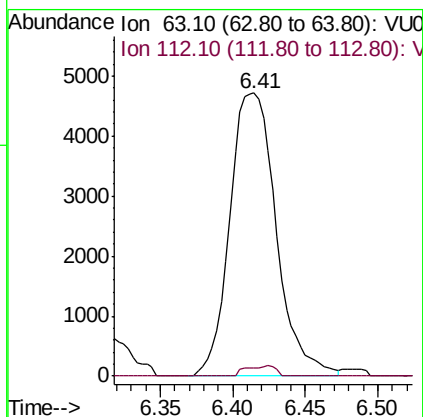
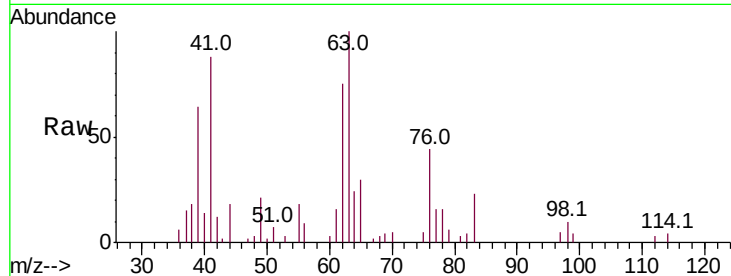




#37
 1,2-Dichloropropane
 Concen: 0.805 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

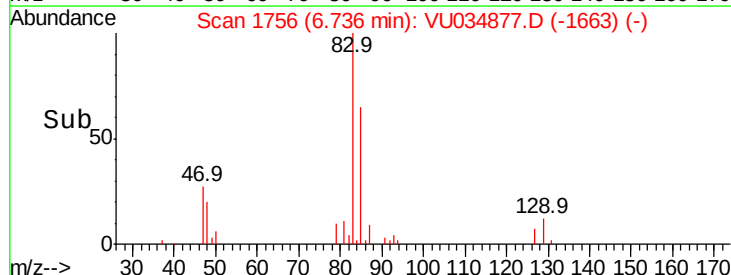
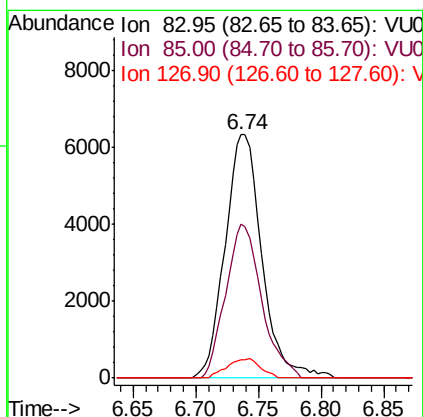
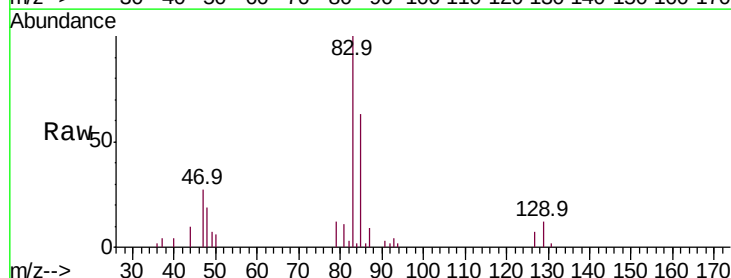
Instrument :
 MSVOA_U
 ClientSampled :

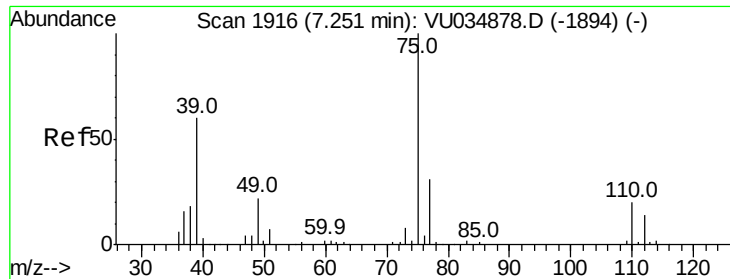
Tot Ion: 63 Resp: 10494
 Ion Ratio Lower Upper
 63 100
 112 2.4 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 0.817 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion: 83 Resp: 12888
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.5 80.7
 127 7.3 6.2 9.4

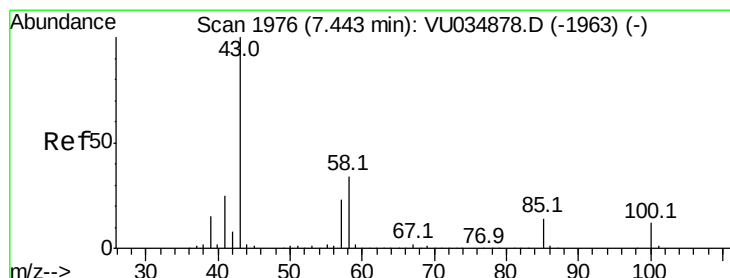
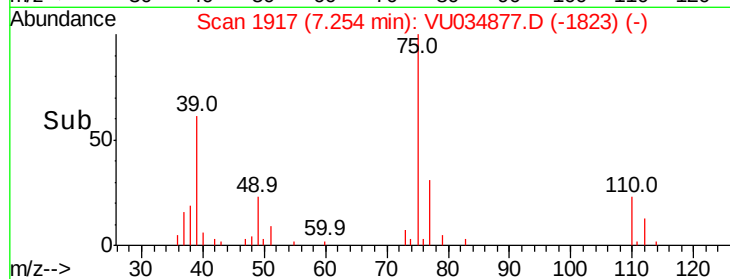
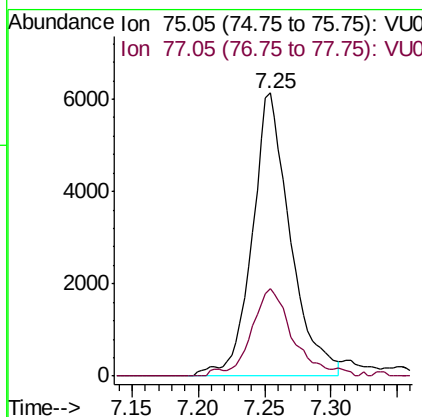
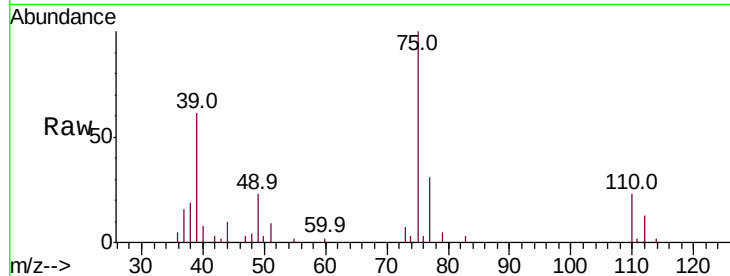




#39
 cis-1,3-Dichloropropene
 Concen: 0.679 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

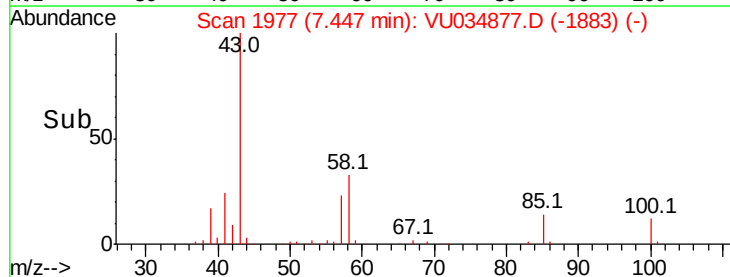
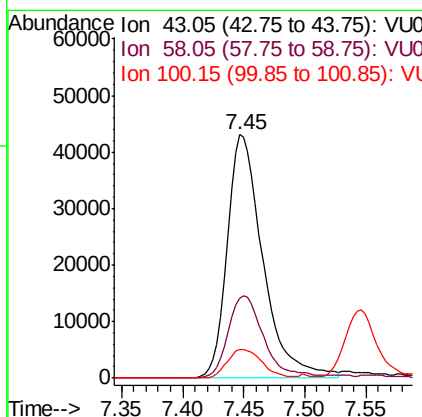
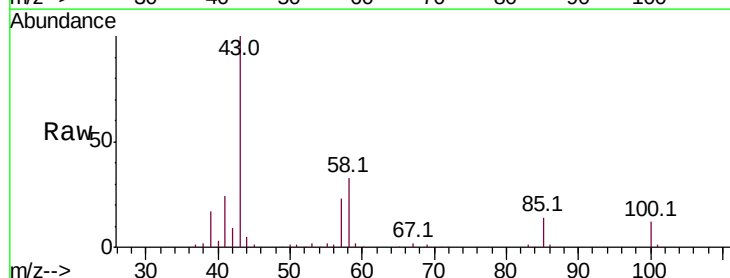
Instrument :
 MSVOA_U
 ClientSampleId :

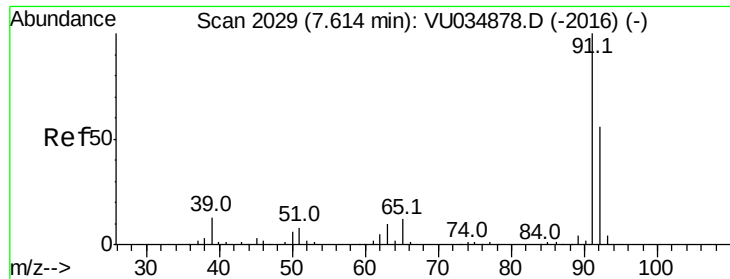
Tot Ion: 75 Resp: 12262
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 8.757 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion: 43 Resp: 87999
 Ion Ratio Lower Upper
 43 100
 58 34.7 27.0 40.6
 100 11.5 9.2 13.8





#42

Toluene

Concen: 0.715 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

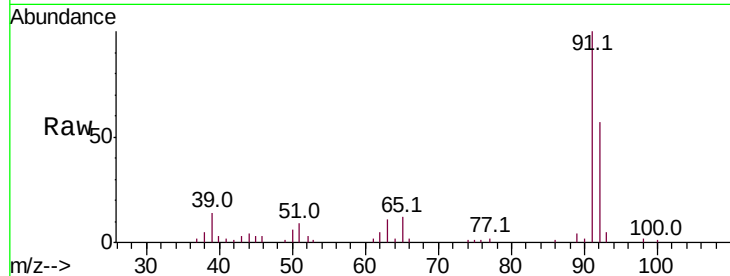
ClientSampleId :

Tot Ion: 91 Resp: 32169

Ion Ratio Lower Upper

91 100

92 57.0 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU034878.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU034878.D (-2016) (-)

7.62

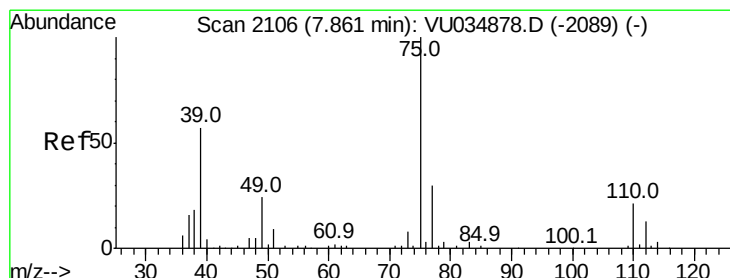
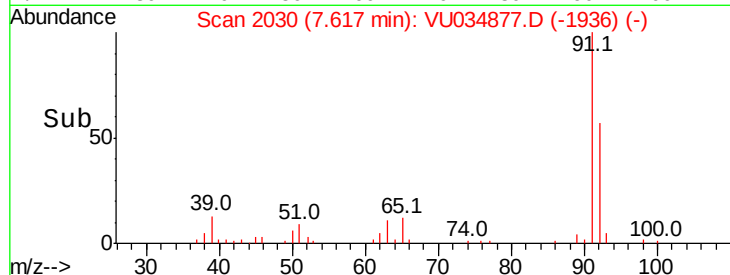
15000

10000

5000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.686 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034877.D

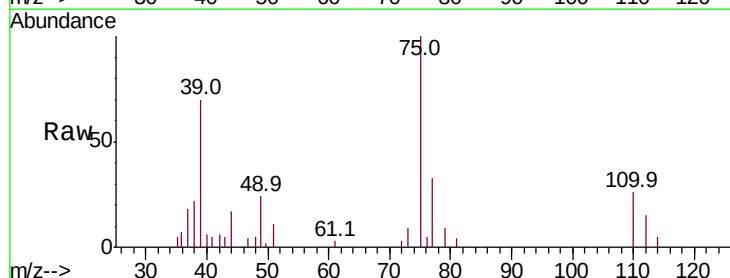
Acq: 30 Sep 2019 13:16

Tgt Ion: 75 Resp: 10130

Ion Ratio Lower Upper

75 100

77 33.2 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU034878.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034878.D (-2089) (-)

7.87

5000

4000

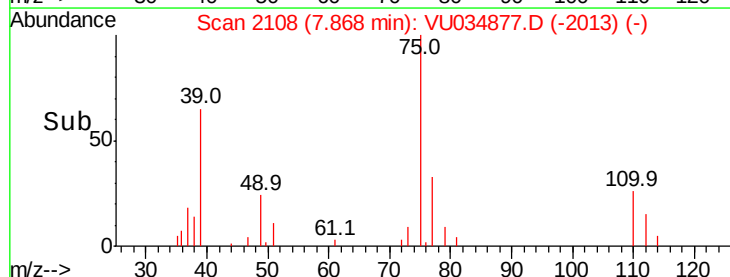
3000

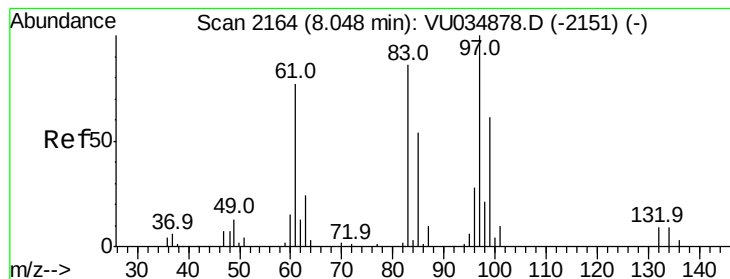
2000

1000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.897 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 7591

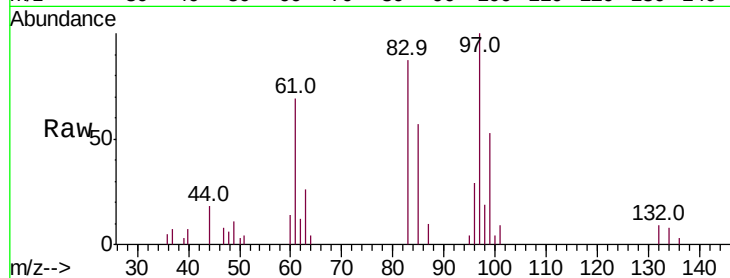
Ion Ratio Lower Upper

97 100

99 53.4 42.6 79.0

83 86.7 60.1 111.7

85 57.5 38.0 70.6

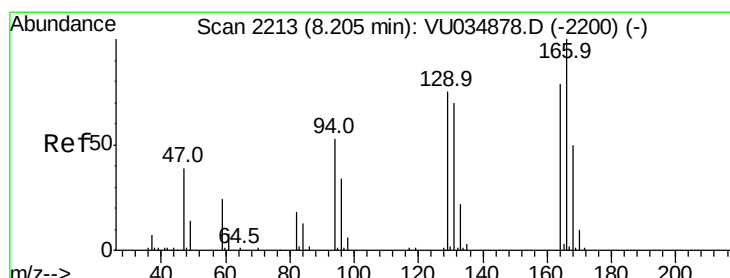
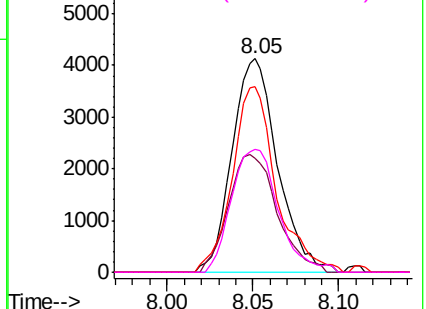
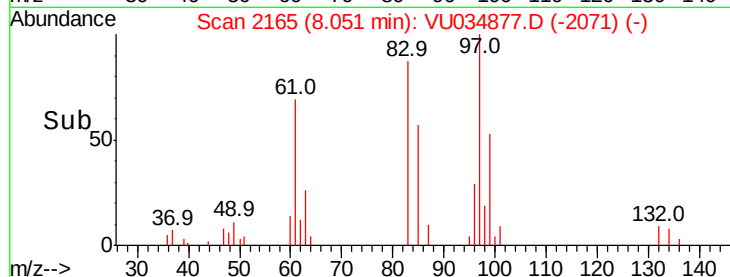


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.850 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Tgt Ion: 164 Resp: 5466

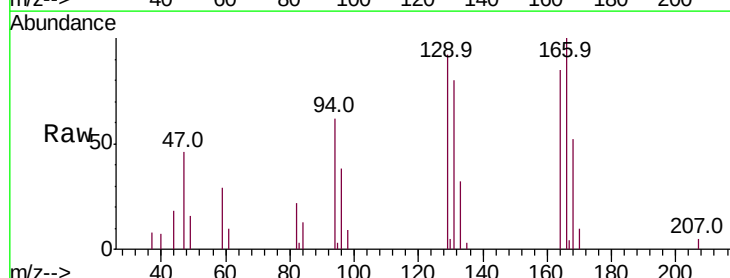
Ion Ratio Lower Upper

164 100

129 108.8 66.3 123.1

131 94.4 62.2 115.4

166 118.0 88.4 164.2

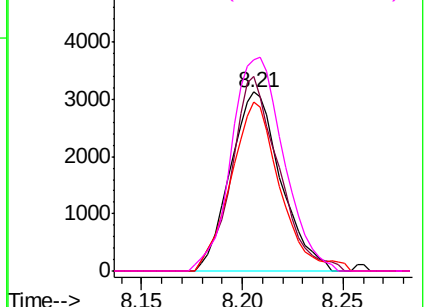
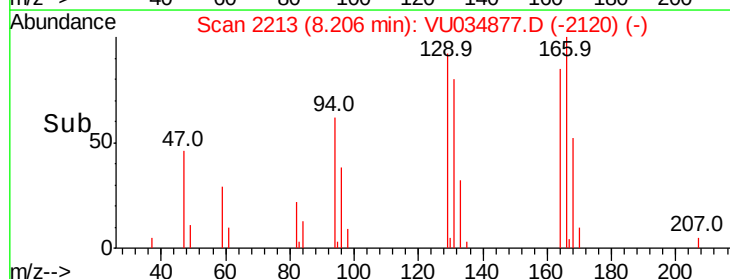


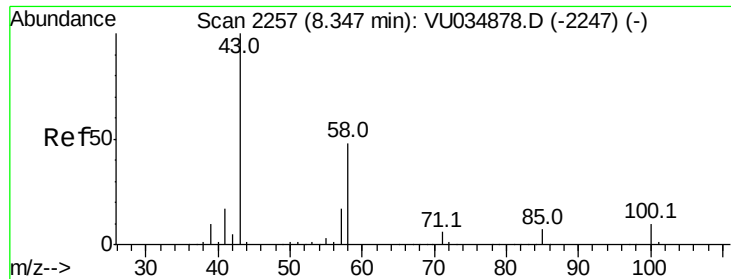
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

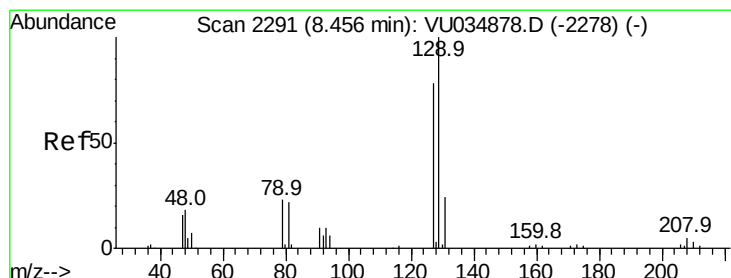
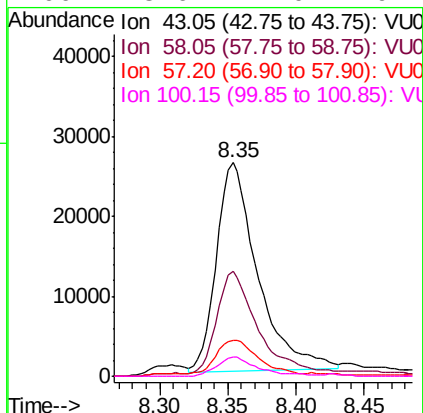
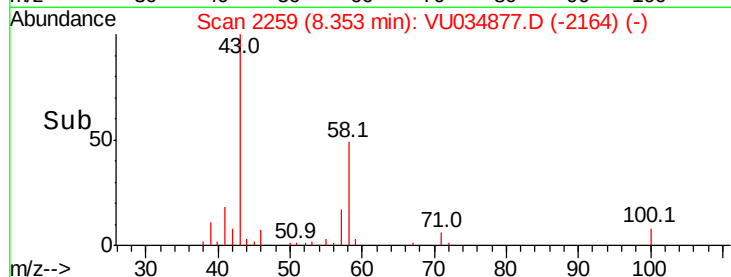
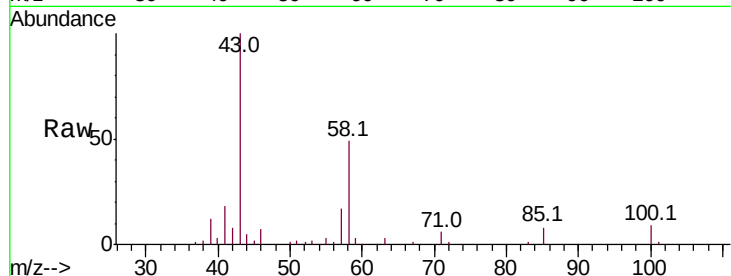




#48
2-Hexanone
Concen: 8.096 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

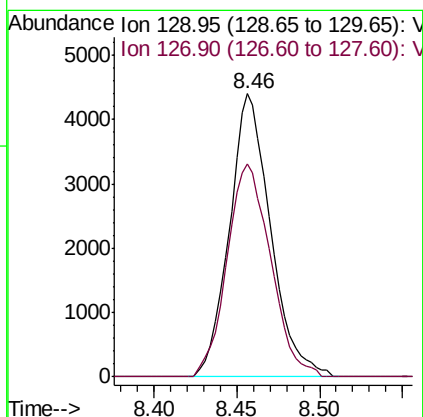
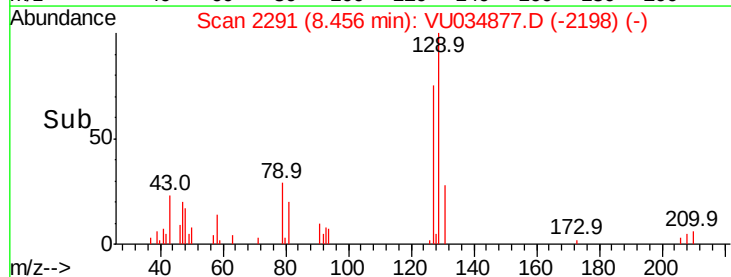
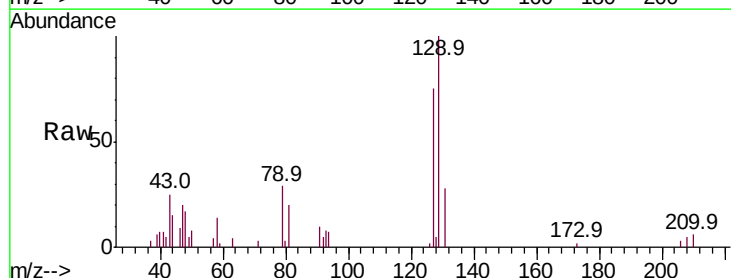
Instrument :
MSVOA_U
ClientSampled :

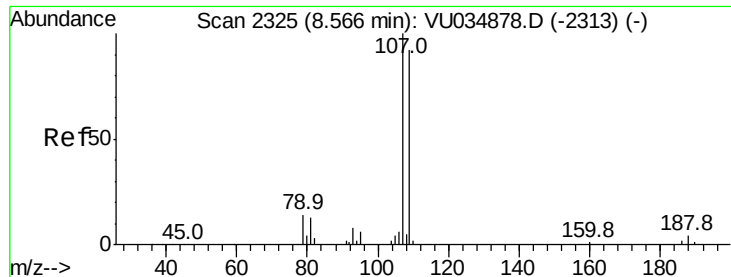
Tot Ion: 43 Resp: 54914
Ion Ratio Lower Upper
43 100
58 48.8 37.1 55.7
57 17.6 13.4 20.0
100 8.6 7.0 10.4



#49
Dibromochloromethane
Concen: 0.768 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Tgt Ion: 129 Resp: 7593
Ion Ratio Lower Upper
129 100
127 75.4 54.3 100.9

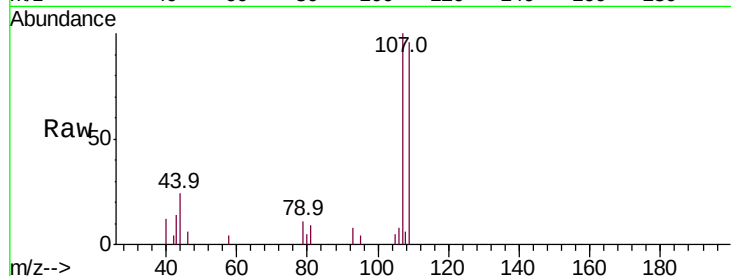




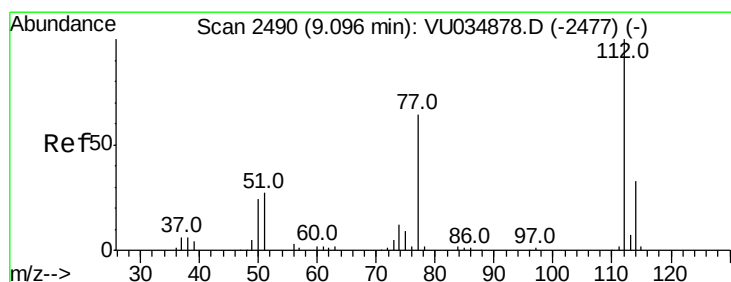
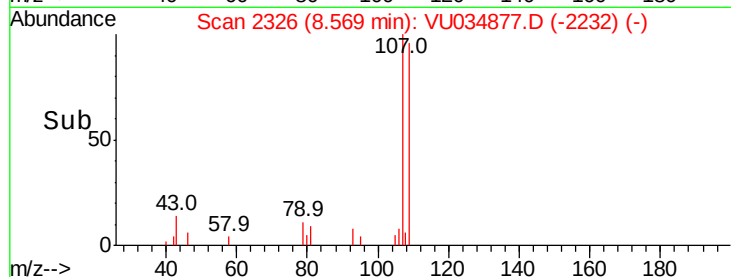
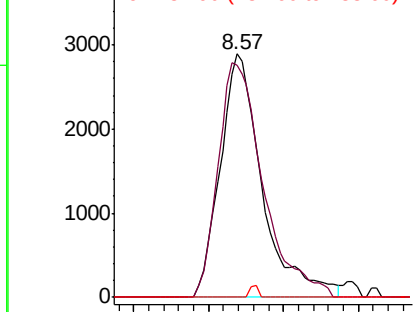
#50
1,2-Dibromoethane
Concen: 0.753 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 5642
Ion Ratio Lower Upper
107 100
109 95.5 64.6 120.0
188 0.0 2.9 4.3#

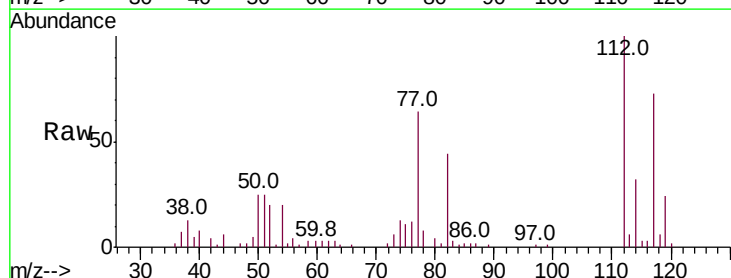


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

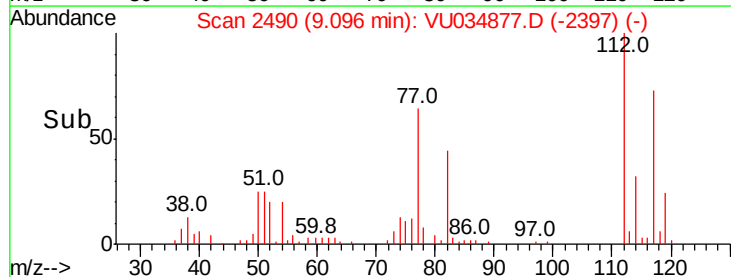
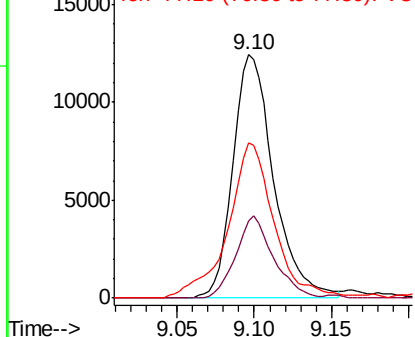


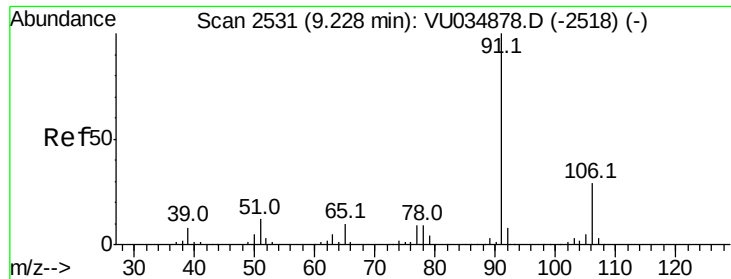
#51
Chlorobenzene
Concen: 0.800 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Tgt Ion:112 Resp: 22681
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.3
77 63.6 51.5 77.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.760 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

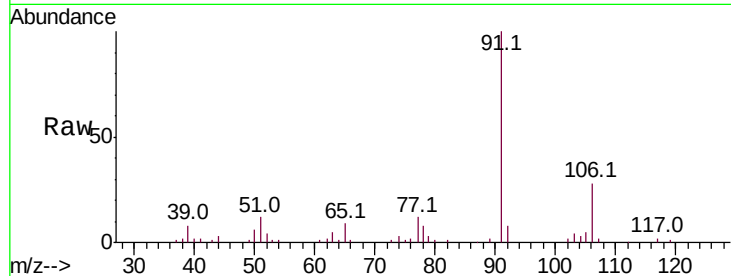
ClientSampled :

Tot Ion: 91 Resp: 39562

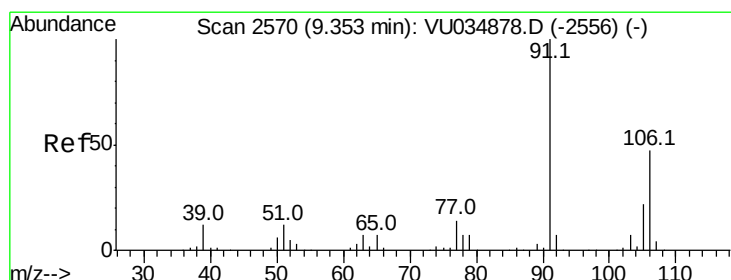
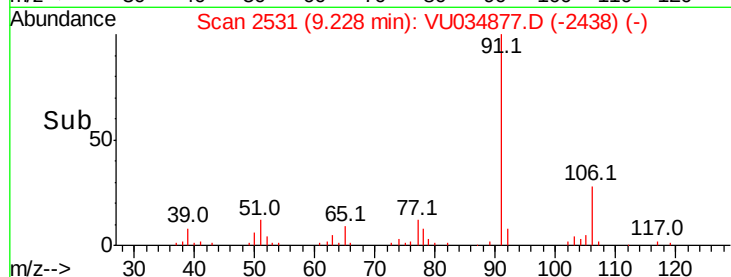
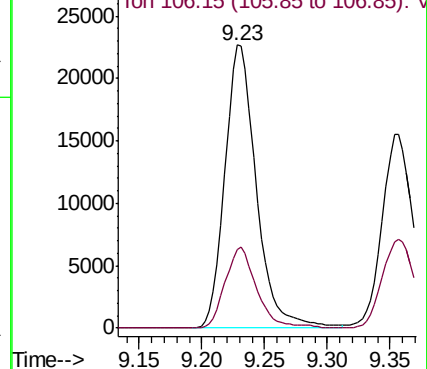
Ion Ratio Lower Upper

91 100

106 27.8 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU034877.D (-2438) (-)



#53

m,p-Xylene

Concen: 0.743 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034877.D

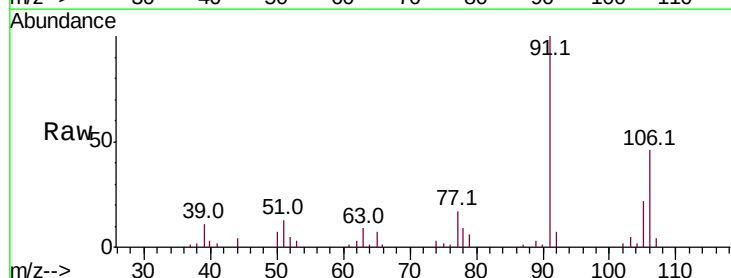
Acq: 30 Sep 2019 13:16

Tgt Ion: 106 Resp: 13709

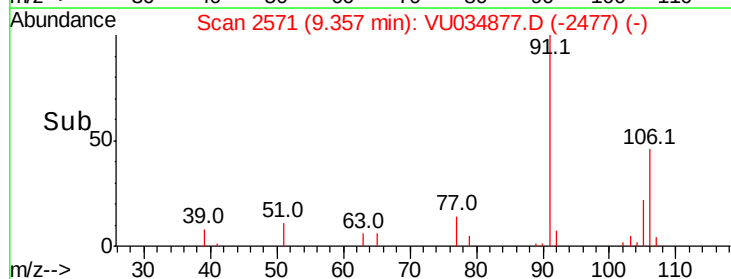
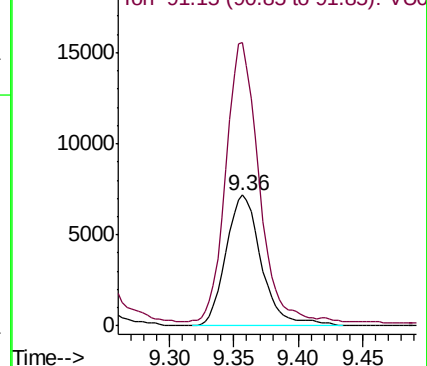
Ion Ratio Lower Upper

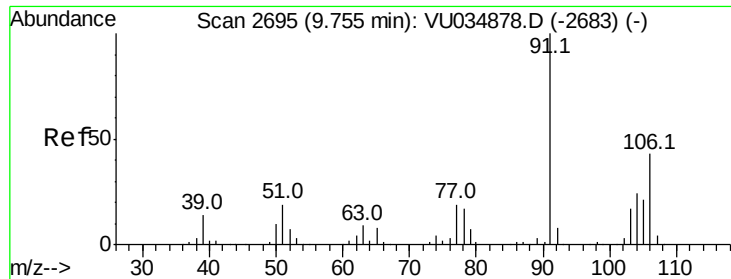
106 100

91 216.8 149.4 277.5



Abundance Ion 106.15 (105.85 to 106.85): VU034877.D (-2477) (-)

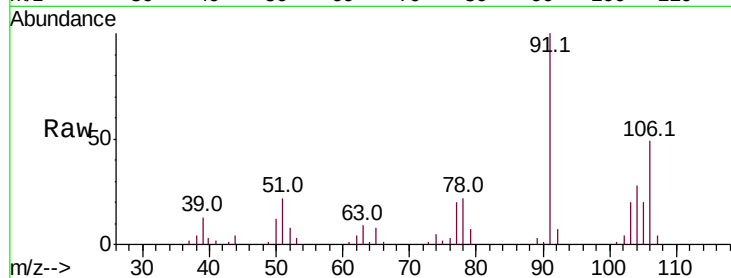




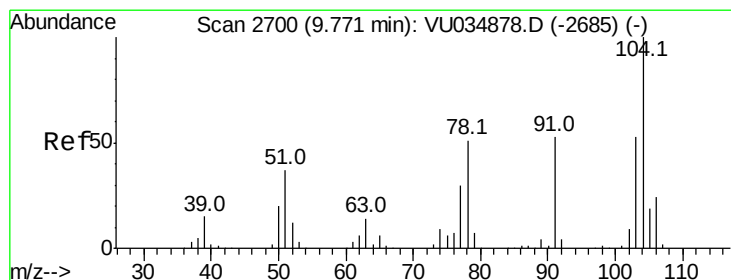
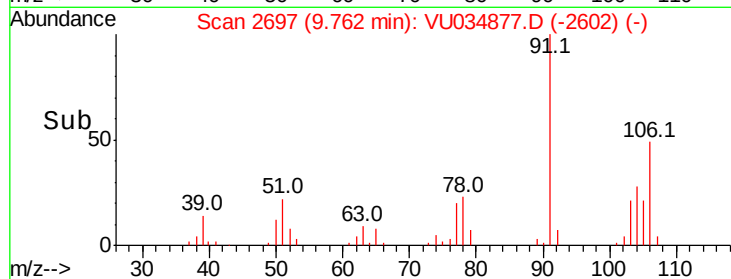
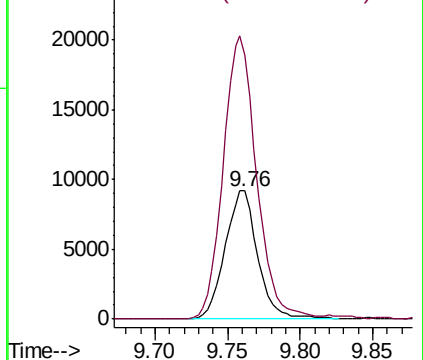
#54
o-Xylene
Concen: 0.771 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.01 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 14344
Ion Ratio Lower Upper
106 100
91 206.0 161.4 299.8

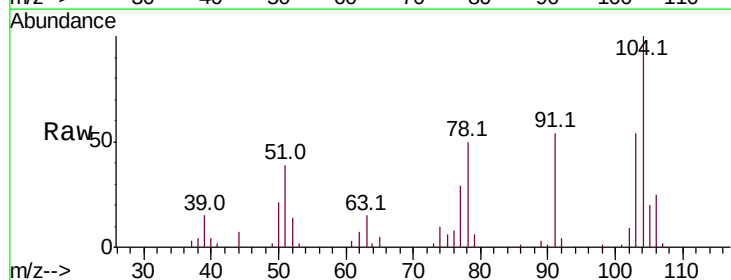


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

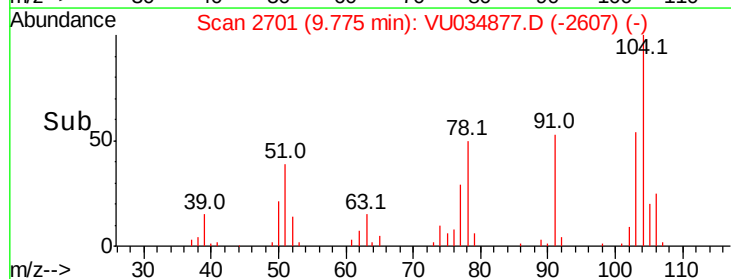
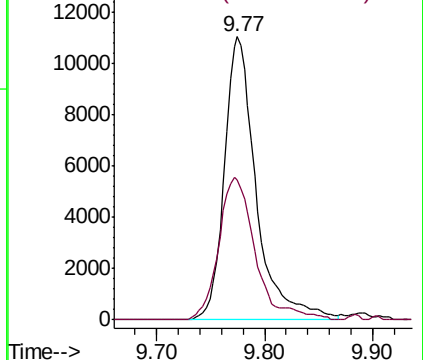


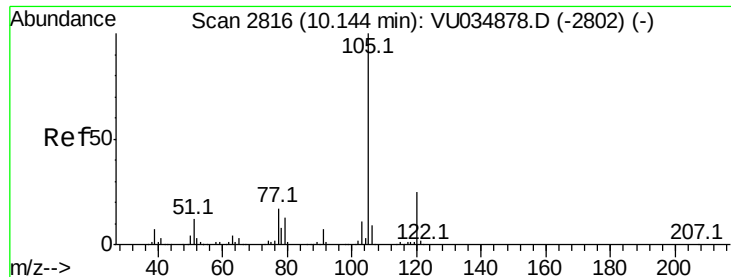
#55
Styrene
Concen: 0.732 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034877.D
Acq: 30 Sep 2019 13:16

Tgt Ion:104 Resp: 22756
Ion Ratio Lower Upper
104 100
78 49.7 35.4 65.7



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





#56

Isopropylbenzene

Concen: 0.770 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

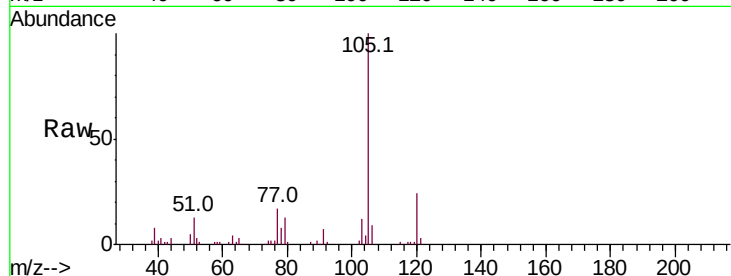
Tot Ion:105 Resp: 40049

Ion Ratio Lower Upper

105 100

120 24.9 20.2 30.4

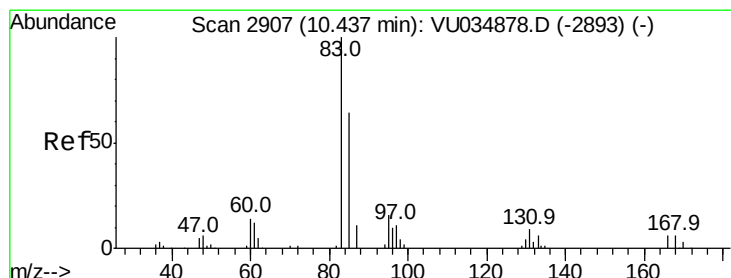
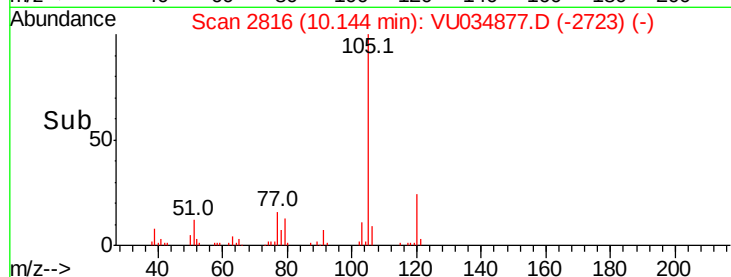
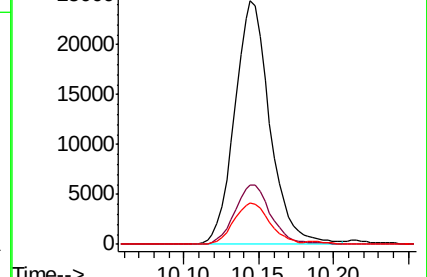
77 17.4 13.8 20.6



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: 0.874 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

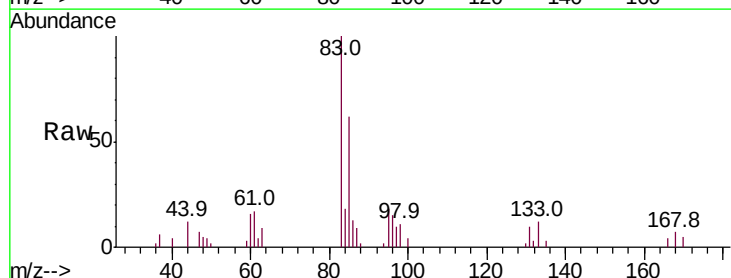
Tgt Ion: 83 Resp: 10777

Ion Ratio Lower Upper

83 100

85 61.5 45.2 84.0

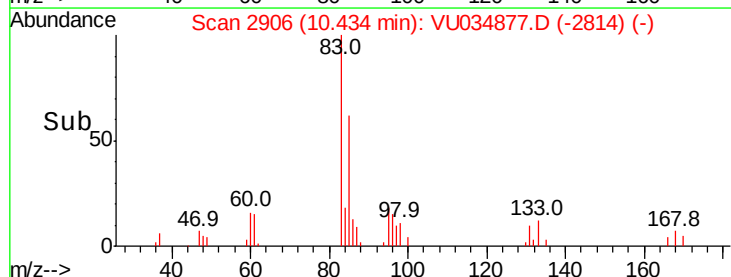
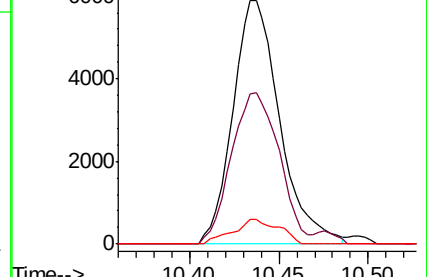
131 10.0 7.6 11.4

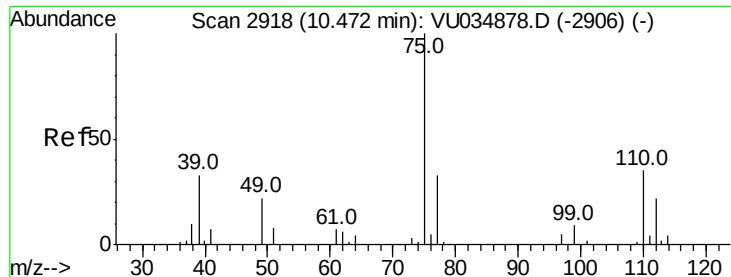


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

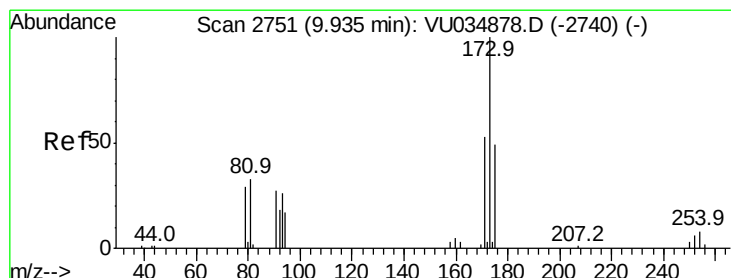
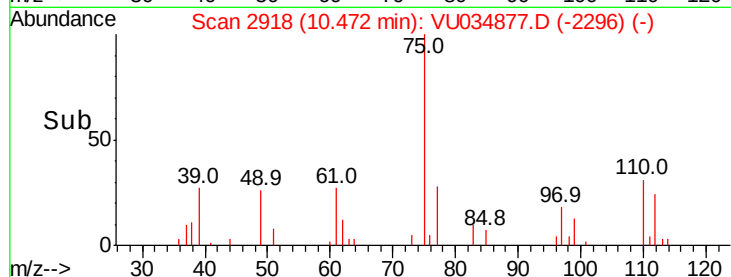
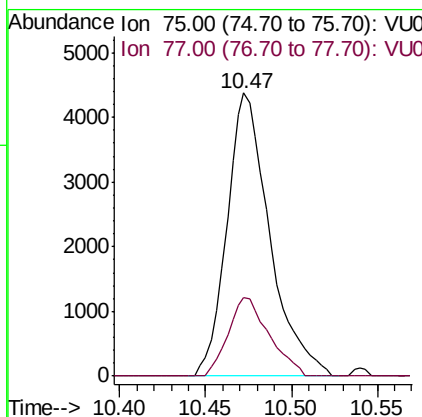
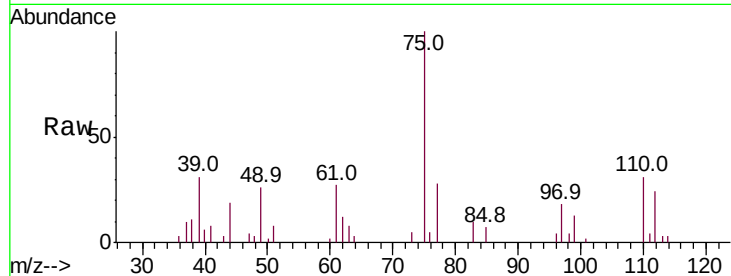




#59
 1,2,3-Trichloropropane
 Concen: 0.881 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

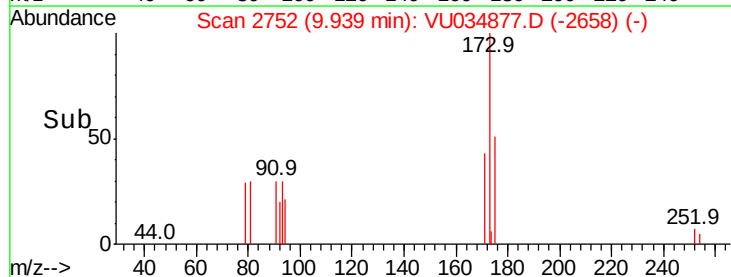
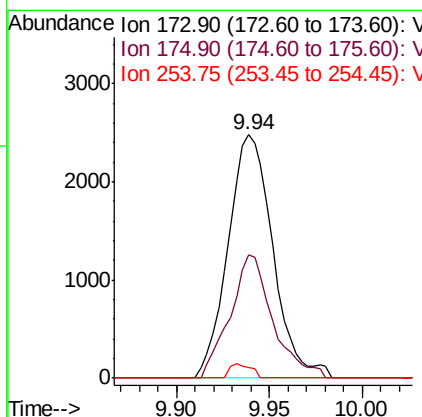
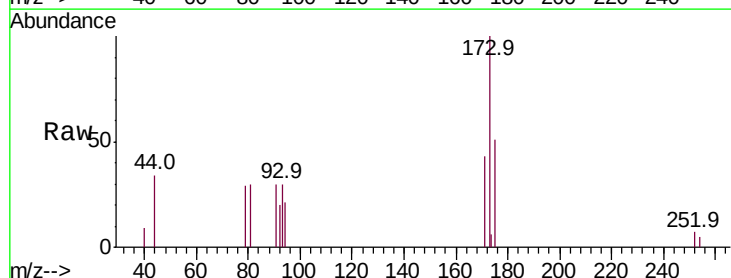
Instrument :
 MSVOA_U
 ClientSampleId :

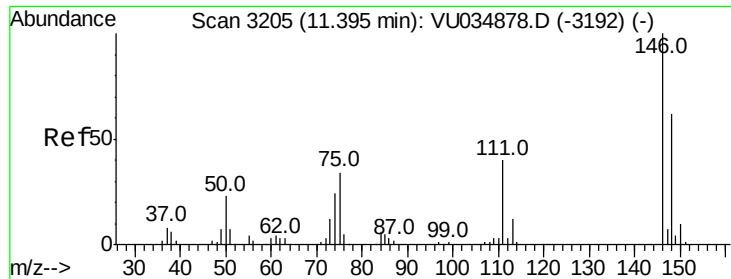
Tot Ion: 75 Resp: 7598
 Ion Ratio Lower Upper
 75 100
 77 26.5 26.5 39.7



#61
 Bromoform
 Concen: 0.842 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion:173 Resp: 4156
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.6
 254 2.8 6.1 9.1#

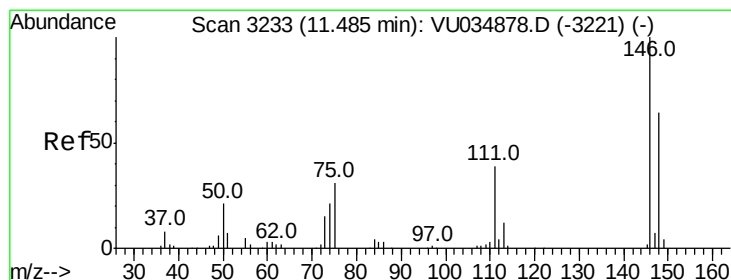
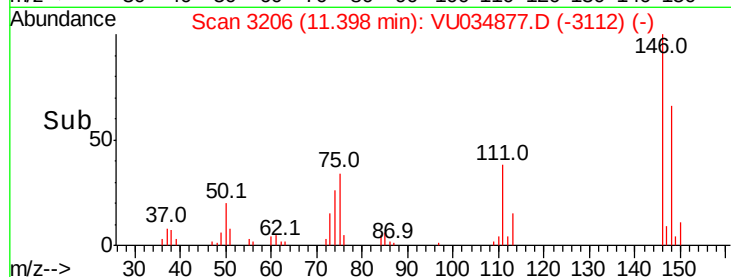
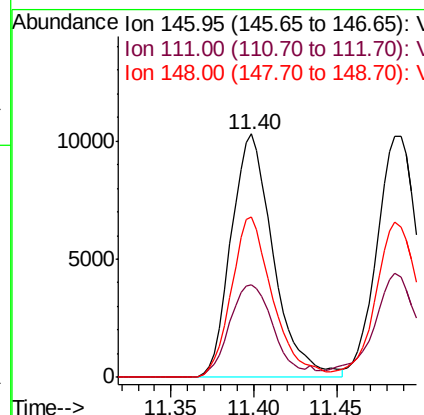
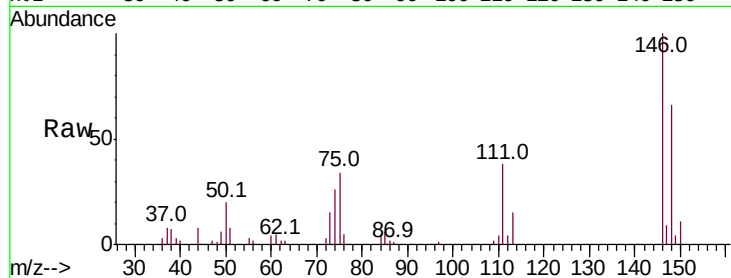




#62
 1,3-Dichlorobenzene
 Concen: 0.839 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

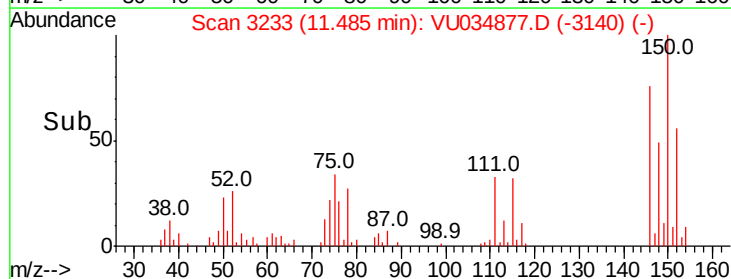
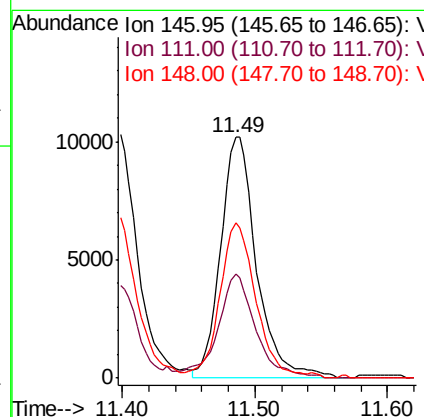
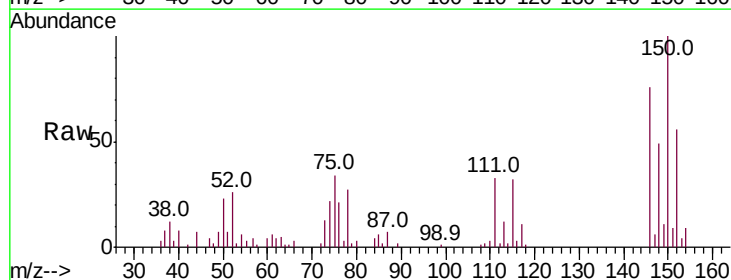
Instrument :
 MSVOA_U
 ClientSampleId :

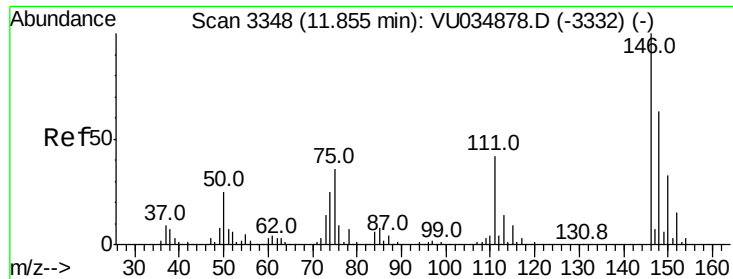
Tot Ion:146 Resp: 18229
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.7 51.5
 148 66.1 43.3 80.3



#63
 1,4-Dichlorobenzene
 Concen: 0.888 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion:146 Resp: 19194
 Ion Ratio Lower Upper
 146 100
 111 43.4 27.4 50.8
 148 64.3 44.6 82.8

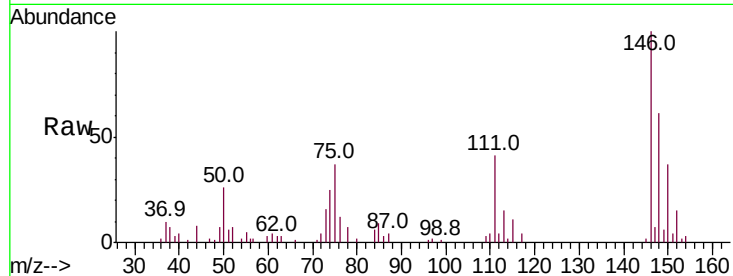




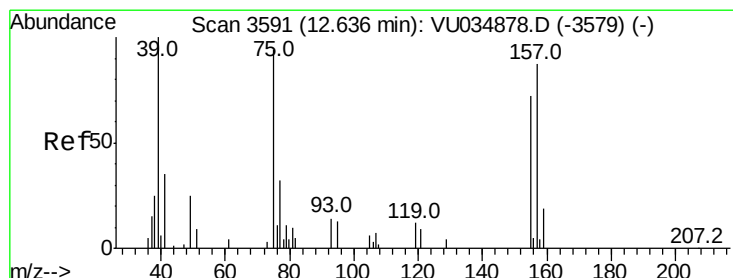
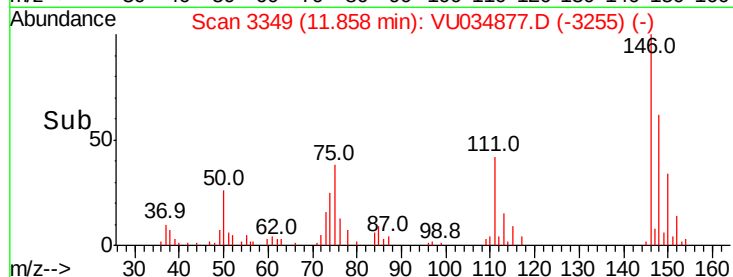
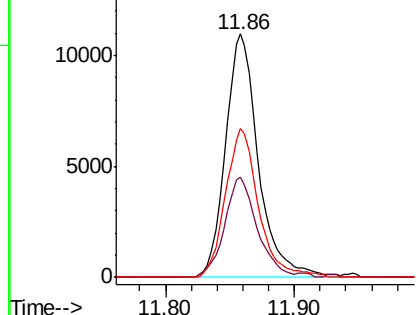
#65
 1,2-Dichlorobenzene
 Concen: 0.902 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 19399
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.4 50.2
 148 61.0 50.0 75.0

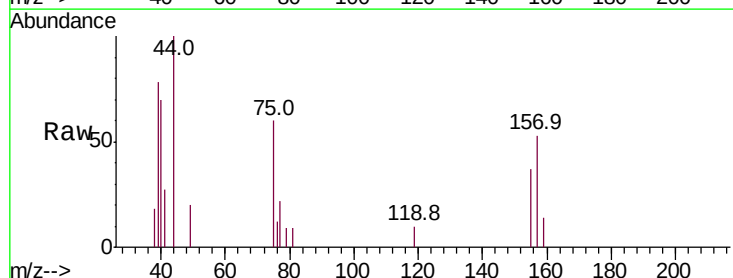


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

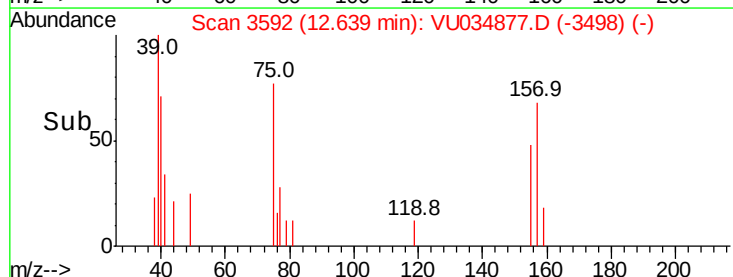
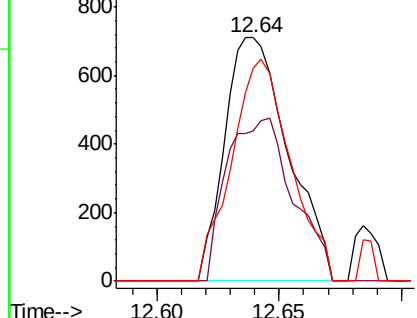


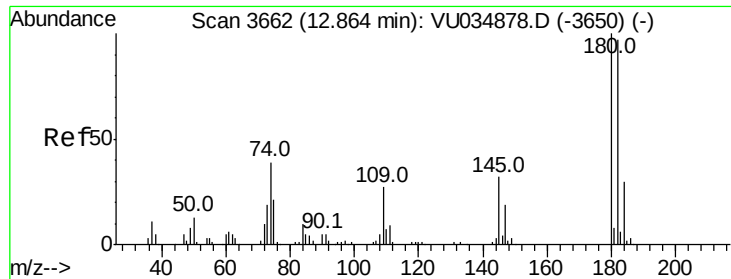
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.685 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion: 75 Resp: 1289
 Ion Ratio Lower Upper
 75 100
 155 61.6 61.1 91.7
 157 87.5 73.8 110.8



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

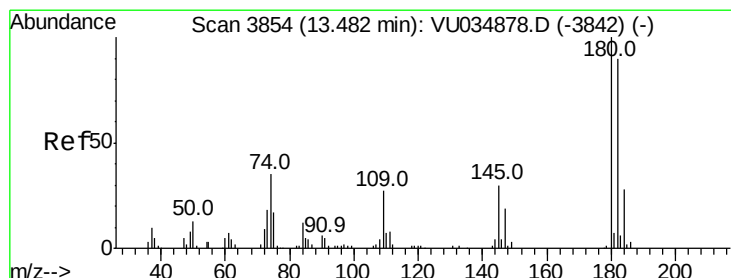
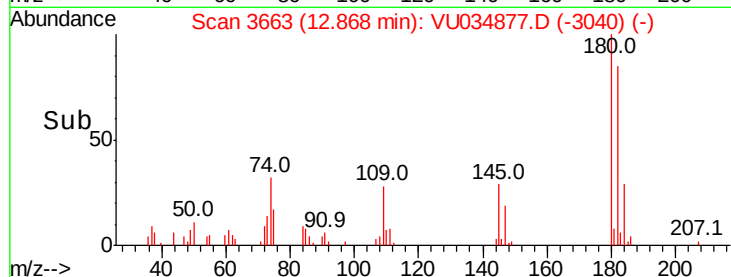
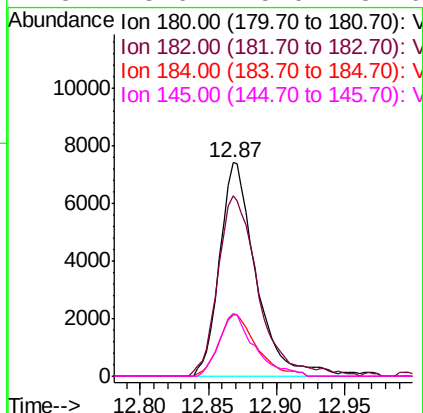
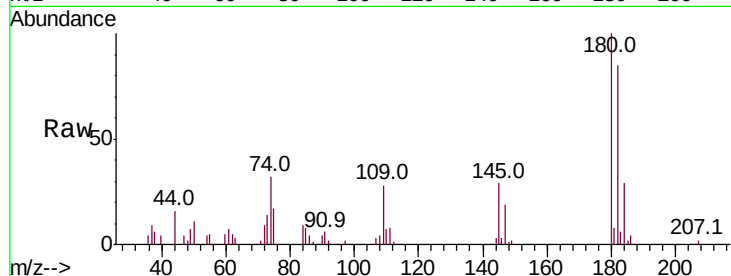




#67
 1,3,5-Trichlorobenzene
 Concen: 0.944 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

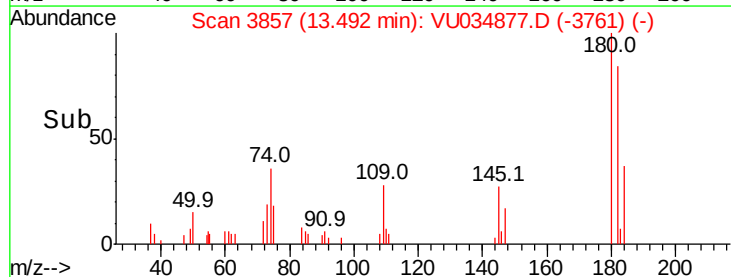
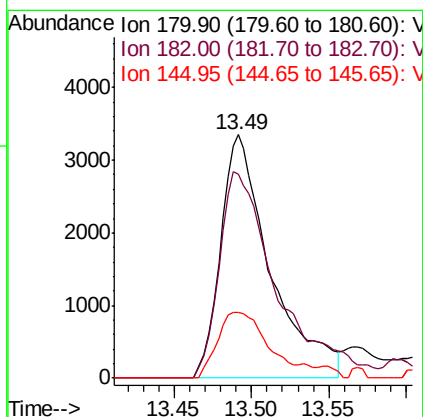
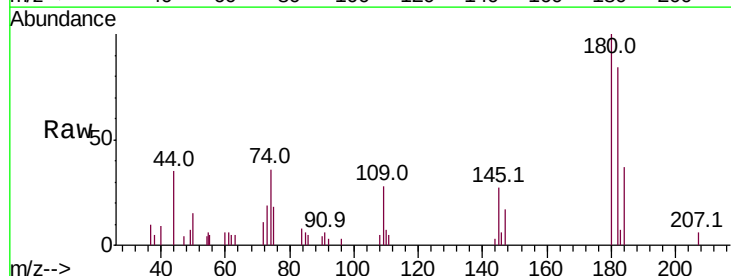
Instrument :
 MSVOA_U
 ClientSampled :

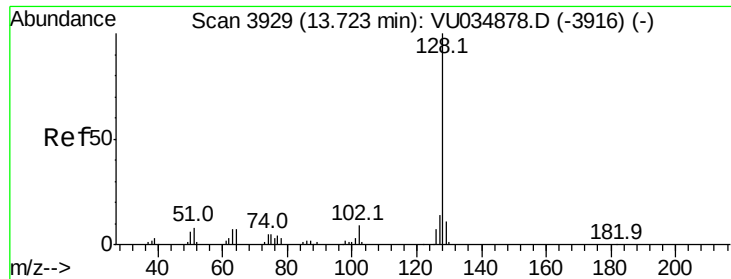
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	77.0	115.4
184	29.9	24.4	36.6
145	28.6	25.0	37.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.648 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU034877.D
 Acq: 30 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	74.3	111.5
145	27.0	24.0	36.0





#69

Naphthalene

Concen: 0.397 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

Instrument :

MSVOA_U

ClientSampleId :

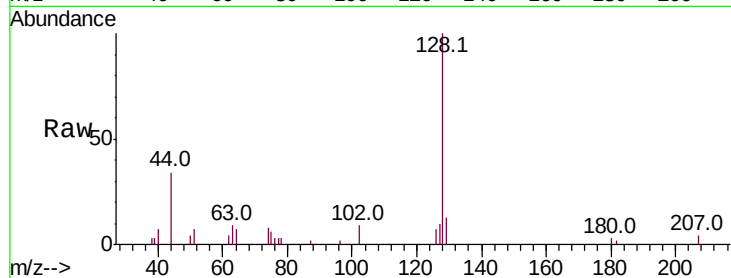
Tot Ion:128 Resp: 10693

Ion Ratio Lower Upper

128 100

129 7.7 8.5 12.7#

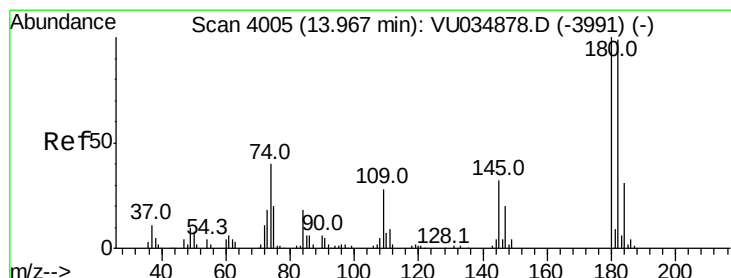
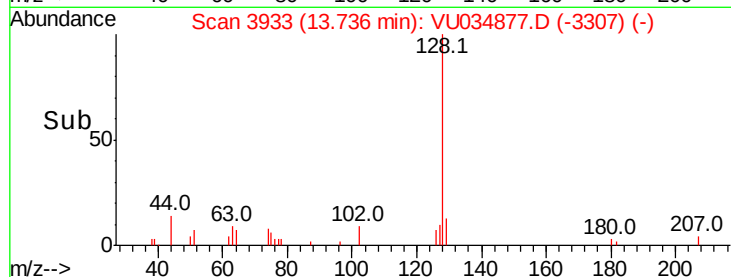
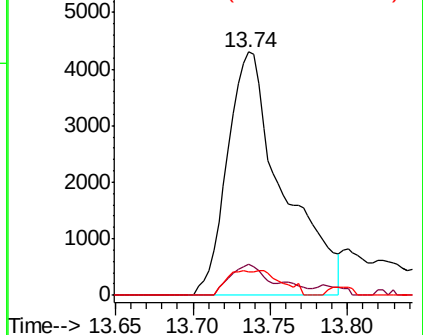
127 5.0 11.0 16.6#



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: 0.765 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034877.D

Acq: 30 Sep 2019 13:16

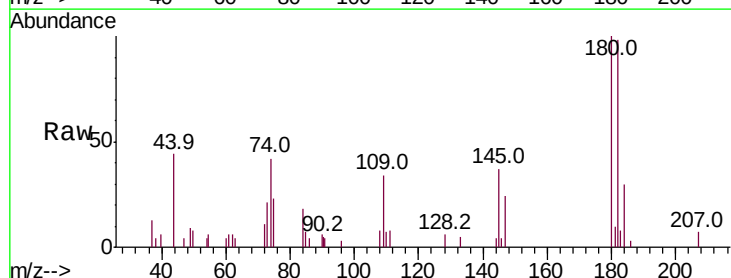
Tgt Ion:180 Resp: 8329

Ion Ratio Lower Upper

180 100

182 98.1 78.2 117.2

145 32.3 25.4 38.0



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

