

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093019\
 Data File : VU034879.D
 Acq On : 30 Sep 2019 14:05
 Operator : JC/SP
 Sample : VSTD01001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 30 17:01:52 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	170484	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	165878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	83000	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	124350	9.31	ug/L	0.00
7) Chloroethane-d5	1.67	69	99028	9.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	208060	8.89	ug/L	0.00
20) 2-Butanone-d5	4.16	46	356388	105.53	ug/L	-0.01
24) Chloroform-d	4.62	84	208990	10.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	126984	10.51	ug/L	0.00
32) Benzene-d6	5.32	84	419588	9.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	137436	9.30	ug/L	0.00
41) Toluene-d8	7.54	98	408736	9.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	54396	9.21	ug/L	0.00
46) 2-Hexanone-d5	8.29	63	266533	99.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	112648	9.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	137265	9.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	97414	7.856	ug/L 99
3) Chloromethane	1.32	50	79095	6.976	ug/L 99
5) Vinyl chloride	1.40	62	88090	7.260	ug/L 98
6) Bromomethane	1.61	94	42957	7.138	ug/L 96
8) Chloroethane	1.69	64	48426	6.896	ug/L 96
9) Trichlorofluoromethane	1.87	101	122448	7.573	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	71715	7.812	ug/L 97
12) 1,1-Dichloroethene	2.27	96	56214	7.058	ug/L 93
13) Acetone	2.31	43	235402	90.978	ug/L 99
14) Carbon disulfide	2.46	76	91939	4.750	ug/L 99
15) Methyl Acetate	2.60	43	51859	8.516	ug/L 97
16) Methylene chloride	2.68	84	77651	7.225	ug/L 100
17) Methyl tert-butyl Ether	2.98	73	245920	8.535	ug/L 100
18) trans-1,2-Dichloroethene	2.96	96	55732	6.718	ug/L 97
19) 1,1-Dichloroethane	3.42	63	177489	8.541	ug/L 98
21) 2-Butanone	4.25	43	384718	103.338	ug/L 96
22) cis-1,2-Dichloroethene	4.20	96	91279	8.083	ug/L 93
23) Bromochloromethane	4.52	128	36581	8.768	ug/L 96
25) Chloroform	4.65	83	205186	8.690	ug/L 98
27) 1,2-Dichloroethane	5.38	62	126160	9.304	ug/L 99
29) 1,1,1-Trichloroethane	4.89	97	153136	8.936	ug/L 99
30) Cyclohexane	4.96	56	111779	6.538	ug/L 99
31) Carbon tetrachloride	5.11	117	119351	8.624	ug/L 99
33) Benzene	5.36	78	333903	7.770	ug/L 100
34) Trichloroethene	6.16	95	85099	7.906	ug/L 99
35) Methylcyclohexane	6.39	83	108730	6.464	ug/L 99
37) 1,2-Dichloropropane	6.41	63	111028	8.235	ug/L 100
38) Bromodichloromethane	6.73	83	140109	8.586	ug/L 94
39) cis-1,3-Dichloropropene	7.25	75	153505	8.218	ug/L 100
40) 4-Methyl-2-pentanone	7.44	43	985046	94.785	ug/L 100

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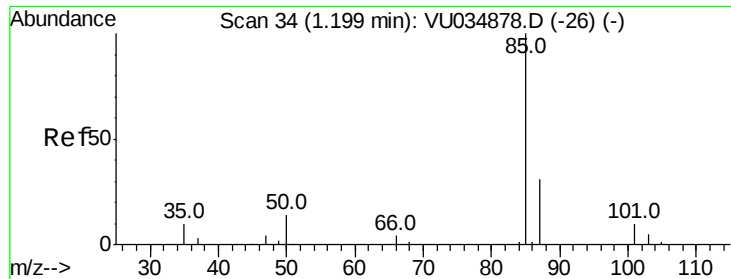
Instrument :
 MSVOA_U
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 Response via : Initial Calibration

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

42) Toluene	7.61	91	368761	7.920	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	129500	8.476	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	79713	9.109	ug/L	97
47) Tetrachloroethene	8.20	164	57719	8.681	ug/L	91
48) 2-Hexanone	8.34	43	674076	96.090	ug/L	99
49) Dibromochloromethane	8.45	129	94623	9.250	ug/L	100
50) 1,2-Dibromoethane	8.57	107	66626	8.597	ug/L	99
51) Chlorobenzene	9.10	112	243046	8.288	ug/L	99
52) Ethylbenzene	9.23	91	440726	8.182	ug/L	100
53) m,p-Xylene	9.35	106	152899	8.017	ug/L	97
54) o-Xylene	9.76	106	163340	8.487	ug/L	96
55) Styrene	9.77	104	284095	8.839	ug/L	98
56) Isopropylbenzene	10.14	105	463901	8.625	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	117824	9.235	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	82445	9.249	ug/L	97
61) Bromoform	9.94	173	51155	9.396	ug/L	100
62) 1,3-Dichlorobenzene	11.39	146	210487	8.781	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	212440	8.914	ug/L	100
65) 1,2-Dichlorobenzene	11.85	146	214972	9.063	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	17793	8.569	ug/L	92
67) 1,3,5-Trichlorobenzene	12.86	180	164634	10.269	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	132223	10.409	ug/L	97
69) Naphthalene	13.72	128	236573	7.961	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	127656	10.623	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 7.856 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

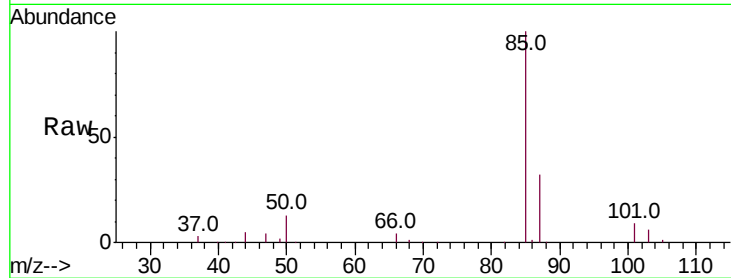
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 97414

Ion Ratio Lower Upper

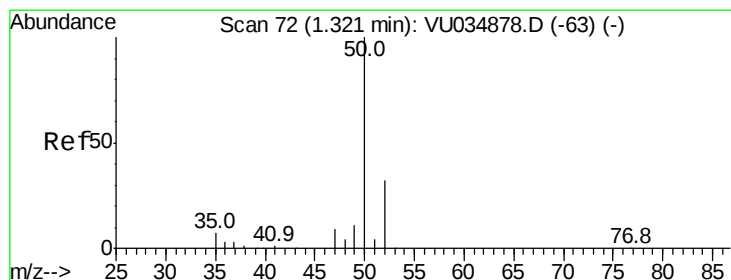
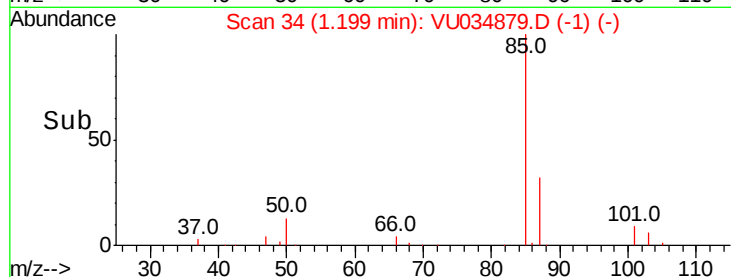
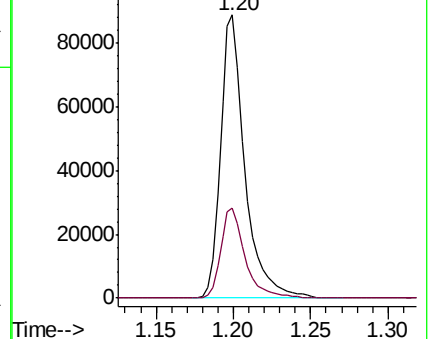
85 100

87 31.8 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU034878.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034878.D (-26) (-)



#3

Chloromethane

Concen: 6.976 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034879.D

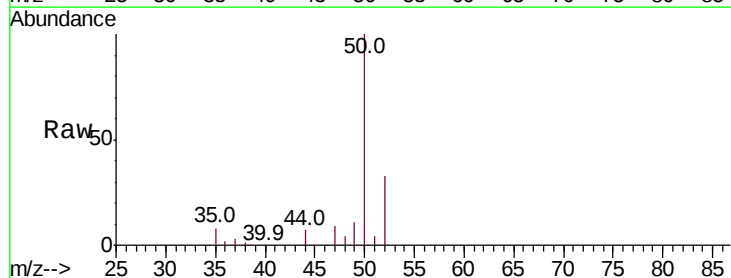
Acq: 30 Sep 2019 14:05

Tgt Ion: 50 Resp: 79095

Ion Ratio Lower Upper

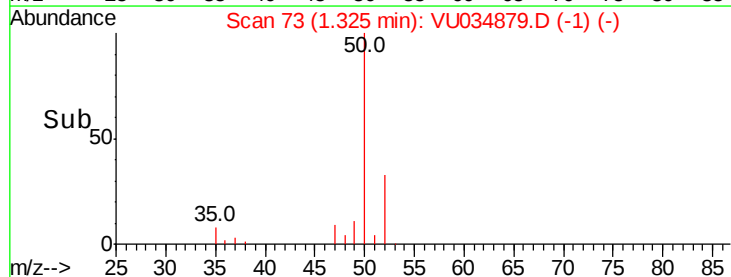
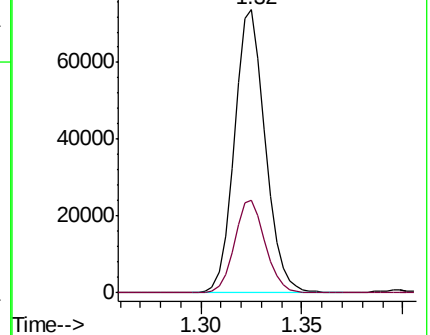
50 100

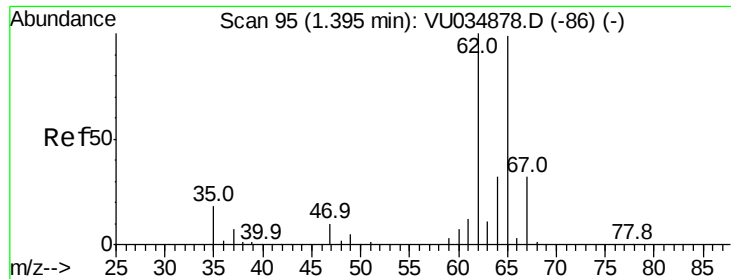
52 32.8 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VU034878.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU034878.D (-63) (-)





#5

Vinyl chloride

Concen: 7.260 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

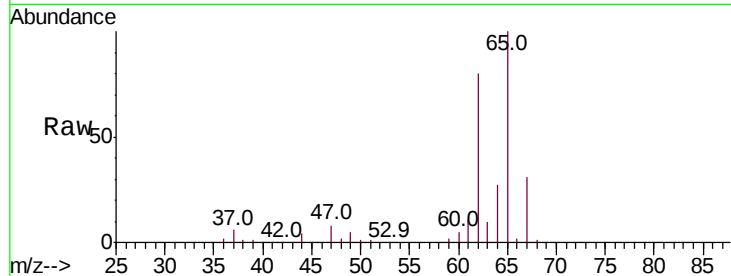
ClientSampleId :

Tot Ion: 62 Resp: 88090

Ion Ratio Lower Upper

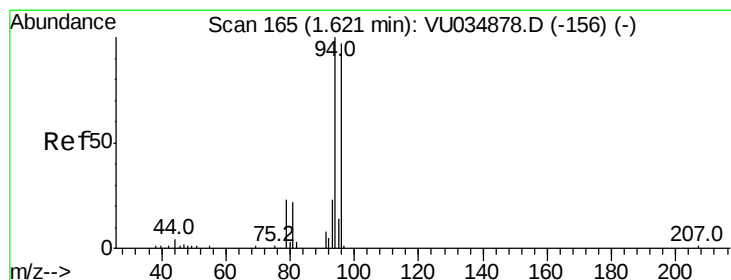
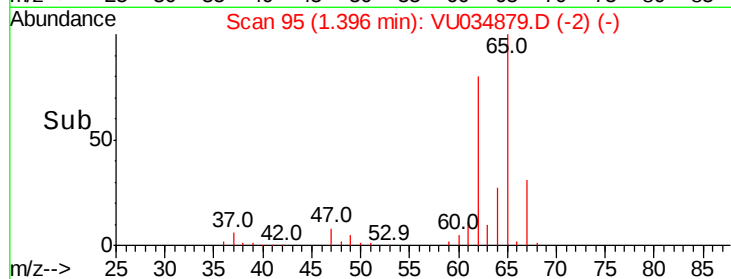
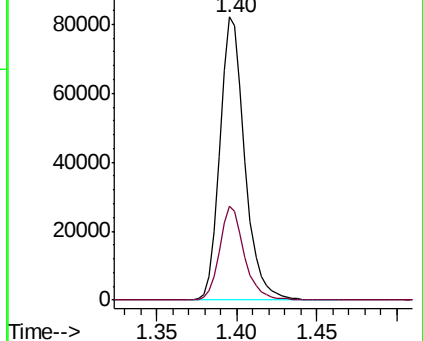
62 100

64 33.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU034879.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034879.D (-86) (-)



#6

Bromomethane

Concen: 7.138 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU034879.D

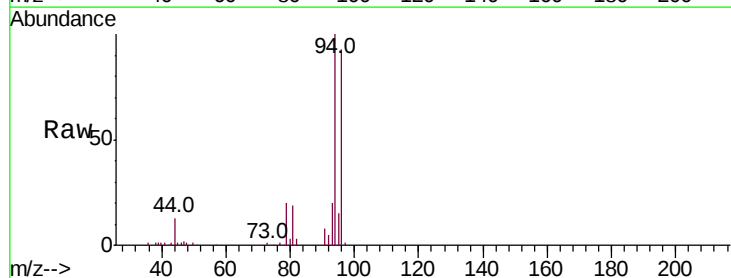
Acq: 30 Sep 2019 14:05

Tgt Ion: 94 Resp: 42957

Ion Ratio Lower Upper

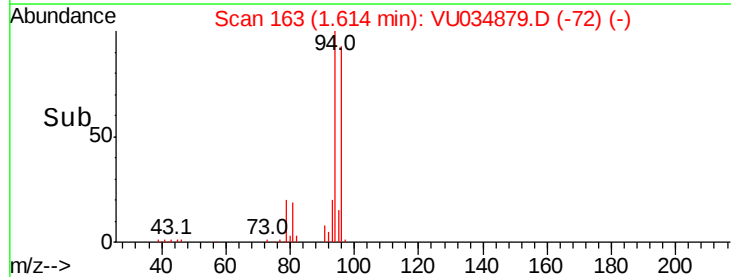
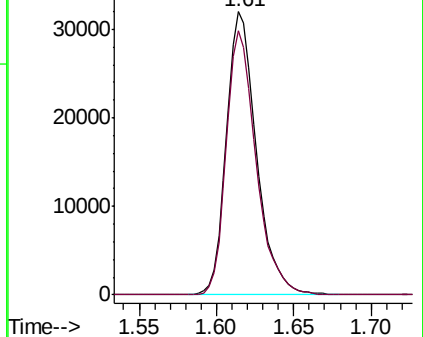
94 100

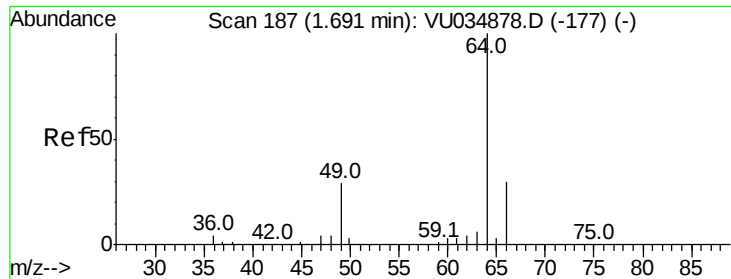
96 93.1 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VU034879.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034879.D (-156) (-)

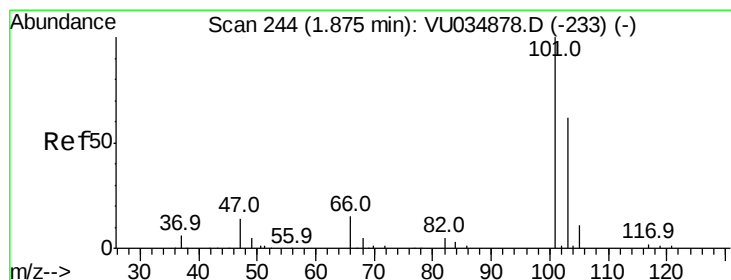
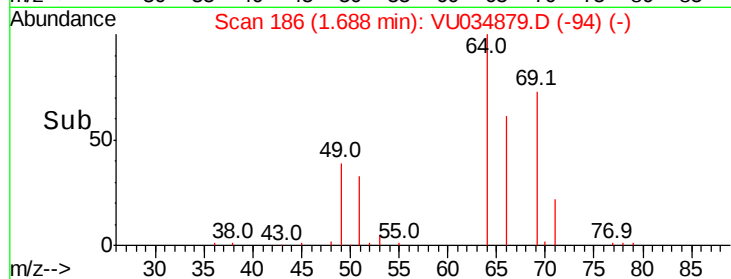
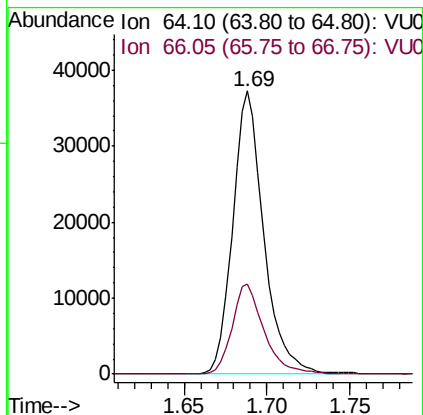
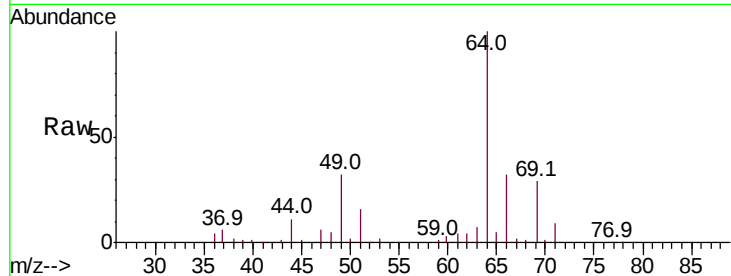




#8
Chloroethane
Concen: 6.896 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

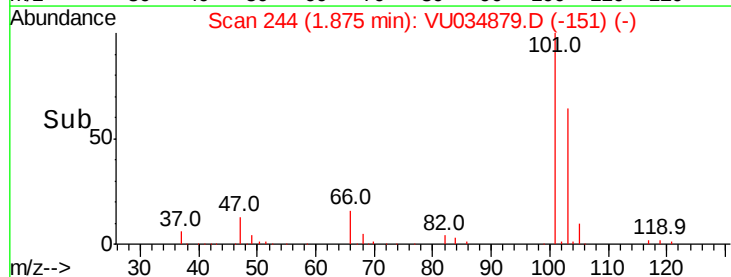
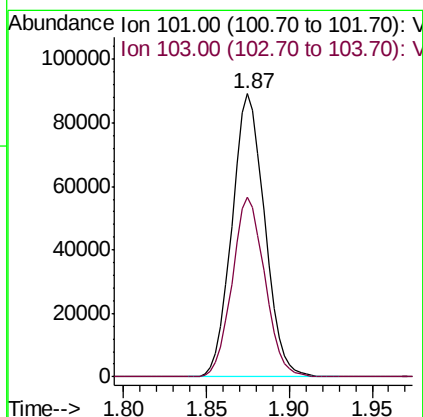
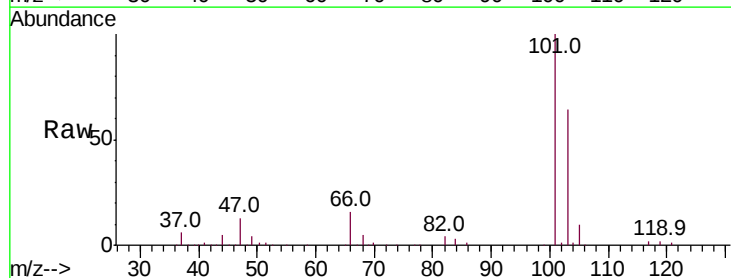
Instrument :
MSVOA_U
ClientSampleId :

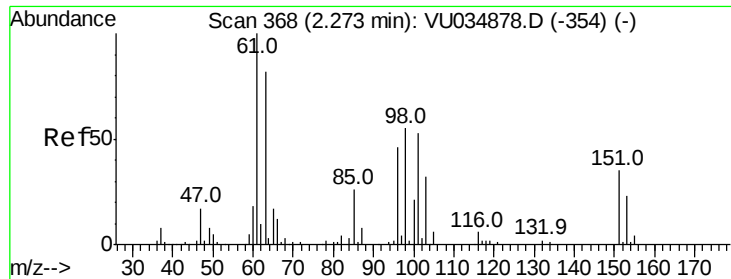
Tot Ion: 64 Resp: 48426
Ion Ratio Lower Upper
64 100
66 31.8 20.9 38.9



#9
Trichlorofluoromethane
Concen: 7.573 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Tgt Ion:101 Resp: 122448
Ion Ratio Lower Upper
101 100
103 63.4 50.3 75.5





#10

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

Concen: 7.812 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

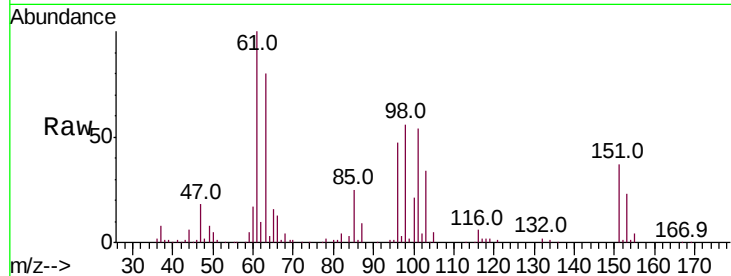
Tot Ion:101 Resp: 71715

Ion Ratio Lower Upper

101 100

85 48.2 37.3 55.9

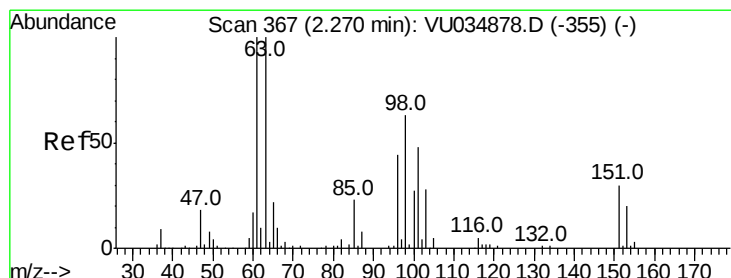
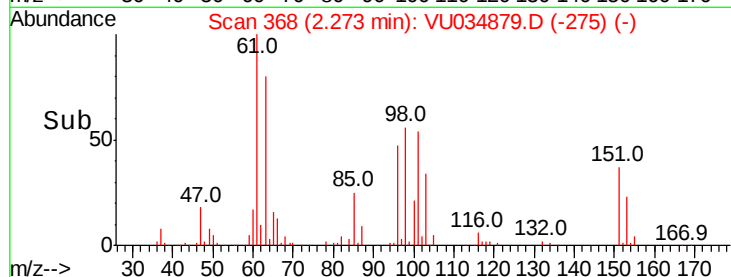
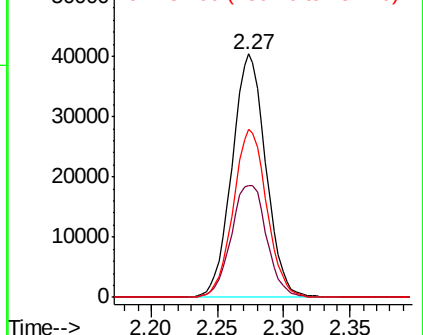
151 68.2 52.6 78.8



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: 7.058 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

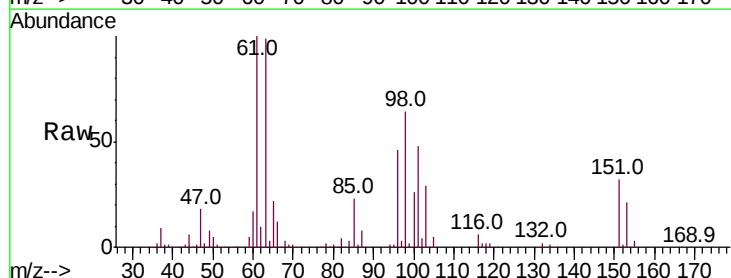
Tgt Ion: 96 Resp: 56214

Ion Ratio Lower Upper

96 100

61 219.3 160.5 298.1

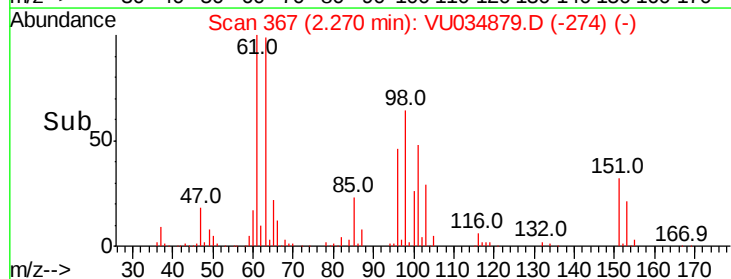
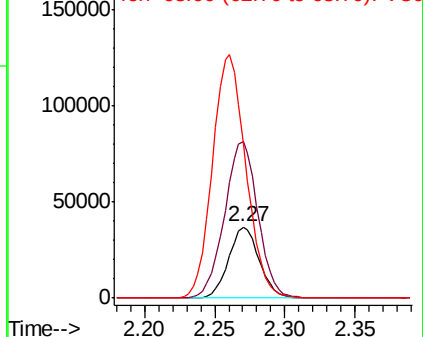
63 217.2 162.3 301.5

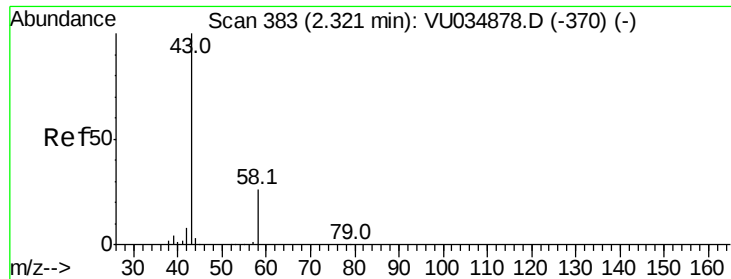


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.978 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.02 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

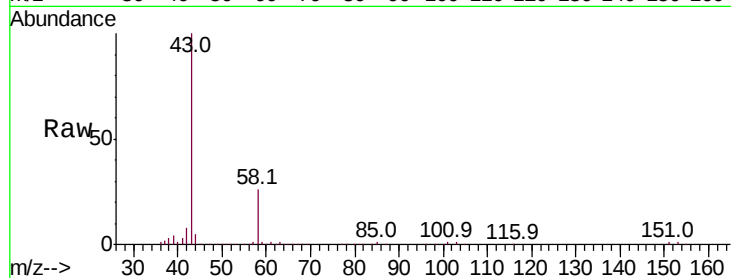
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 235402

Ion Ratio Lower Upper

43 100

58 26.2 0.0 54.0



Abundance Ion 43.05 (42.75 to 43.75): VU034878.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU034878.D (-370) (-)

2.31

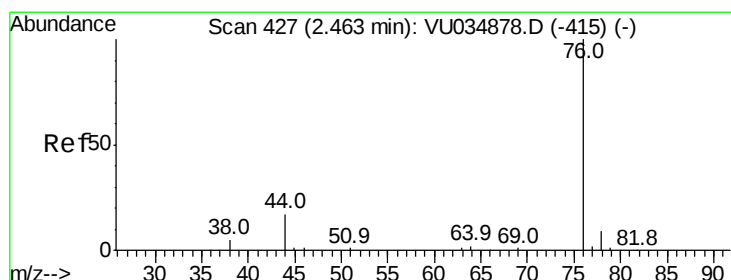
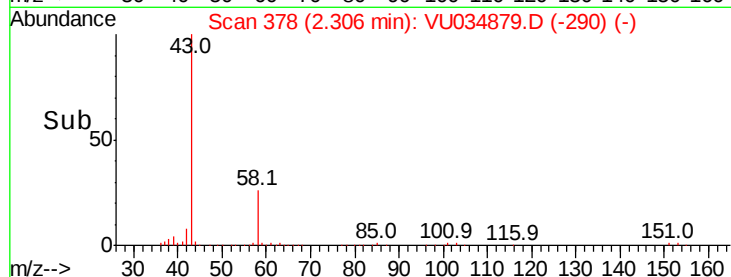
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 4.750 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034879.D

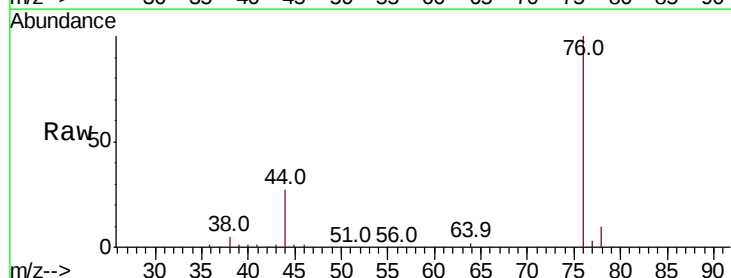
Acq: 30 Sep 2019 14:05

Tgt Ion: 76 Resp: 91939

Ion Ratio Lower Upper

76 100

78 9.5 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VU034878.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU034878.D (-415) (-)

2.46

60000

50000

40000

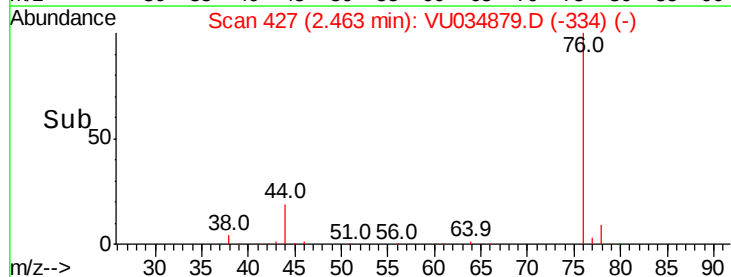
30000

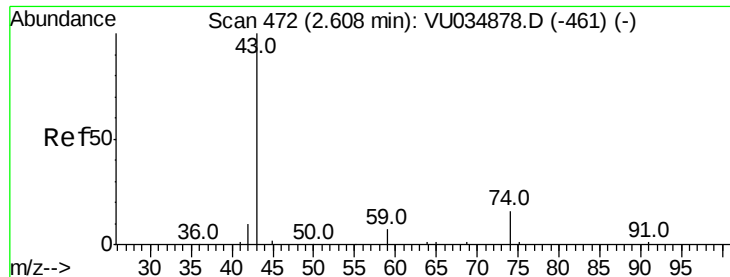
20000

10000

0

Time-->





#15

Methyl Acetate

Concen: 8.516 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.01 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

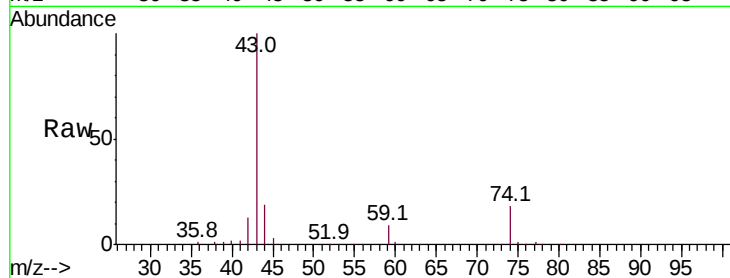
ClientSampleId :

Tot Ion: 43 Resp: 51859

Ion Ratio Lower Upper

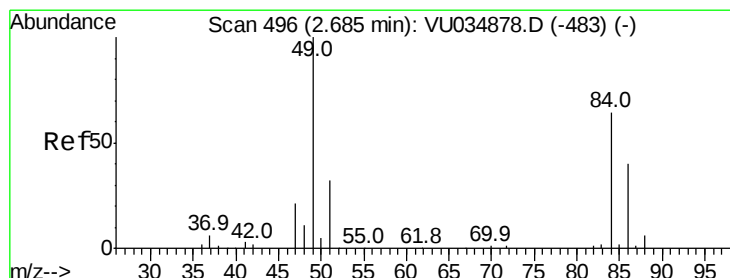
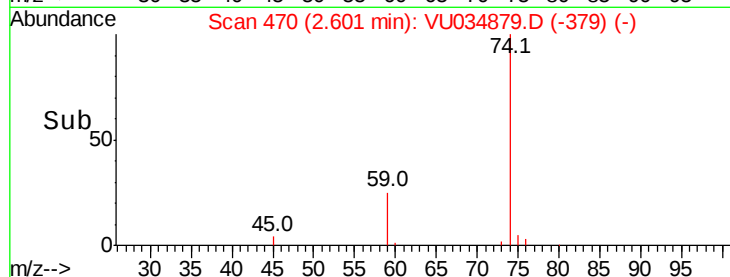
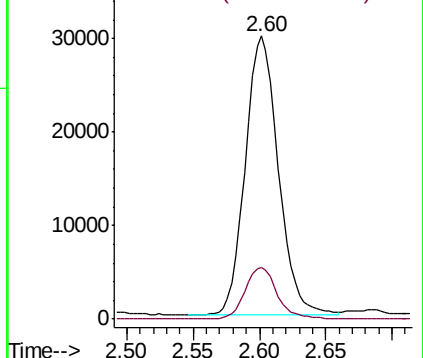
43 100

74 17.9 15.5 23.3



Abundance Ion 43.05 (42.75 to 43.75): VU034879.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU034879.D (-461) (-)



#16

Methylene chloride

Concen: 7.225 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

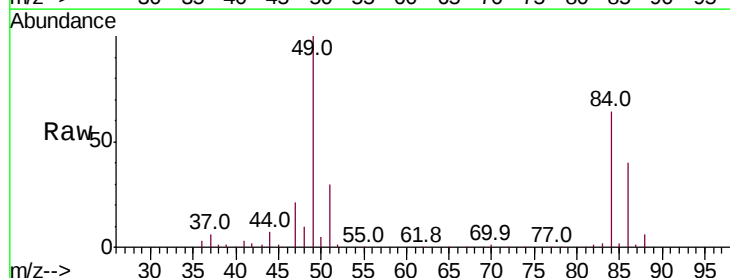
Tgt Ion: 84 Resp: 77651

Ion Ratio Lower Upper

84 100

86 62.5 44.2 82.2

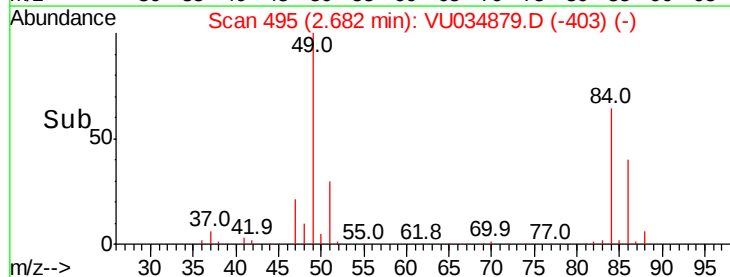
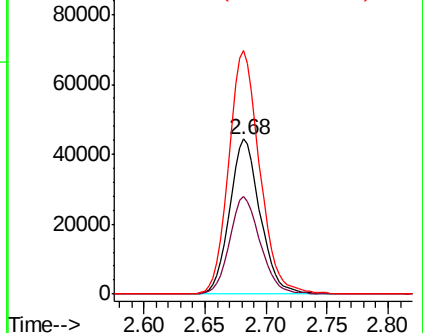
49 156.9 110.0 204.4

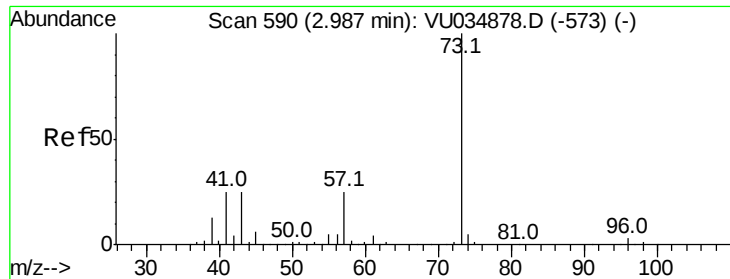


Abundance Ion 84.05 (83.75 to 84.75): VU034879.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU034879.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU034879.D (-483) (-)

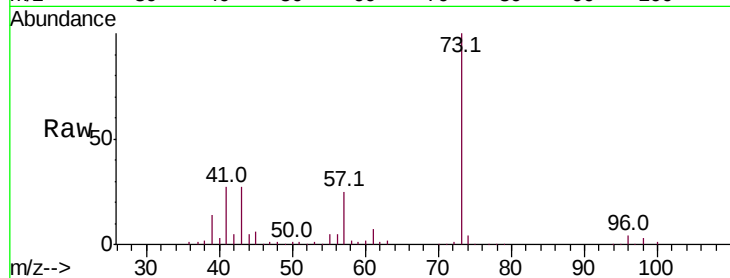




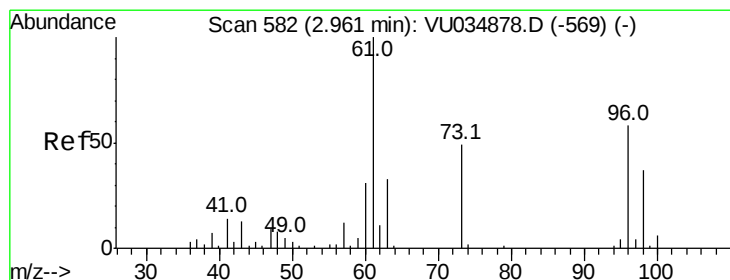
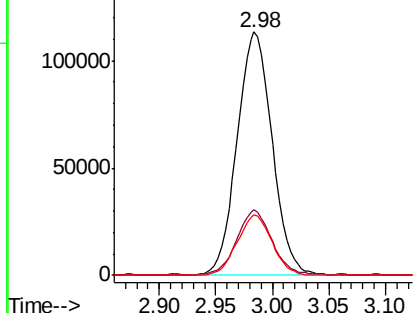
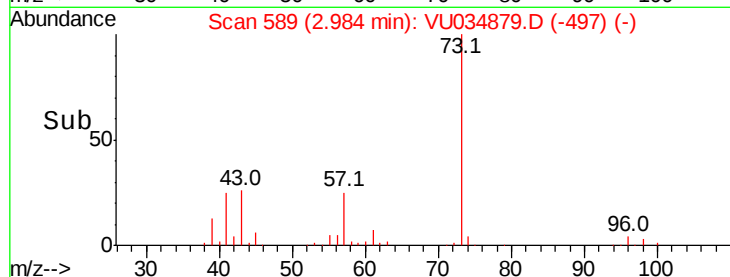
#17
Methvl tert-butvl Ether
Concen: 8.535 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 245920
Ion Ratio Lower Upper
73 100
43 26.0 20.8 31.2
57 24.7 19.8 29.6

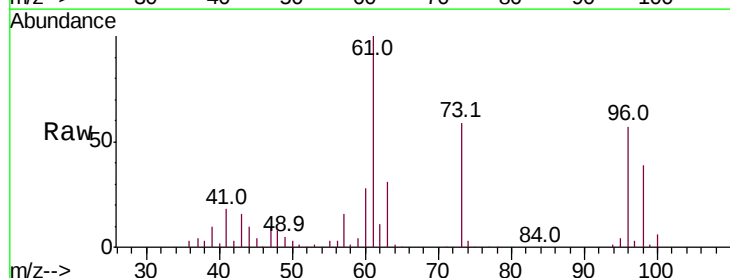


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

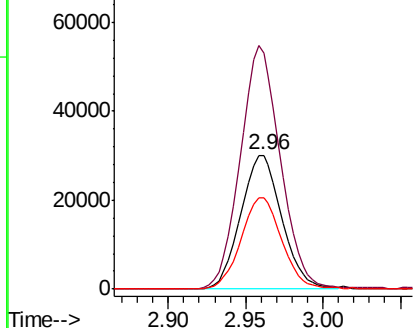
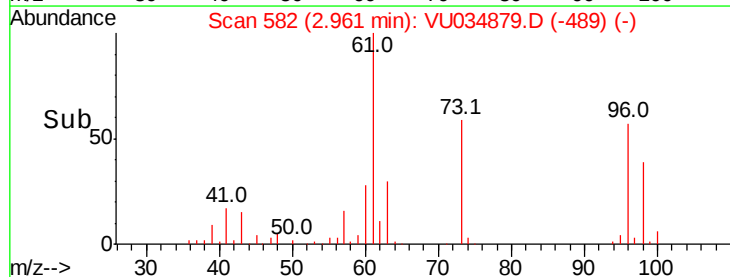


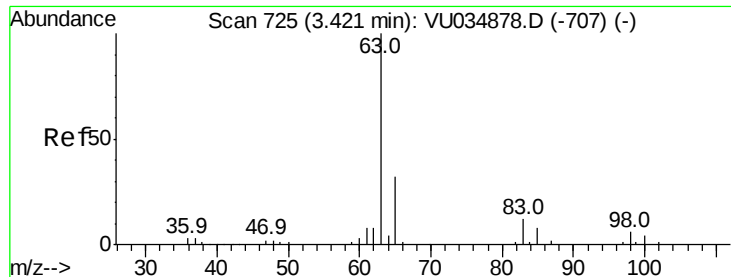
#18
trans-1,2-Dichloroethene
Concen: 6.718 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Tgt Ion: 96 Resp: 55732
Ion Ratio Lower Upper
96 100
61 176.3 121.0 224.8
98 68.0 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: 8.541 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

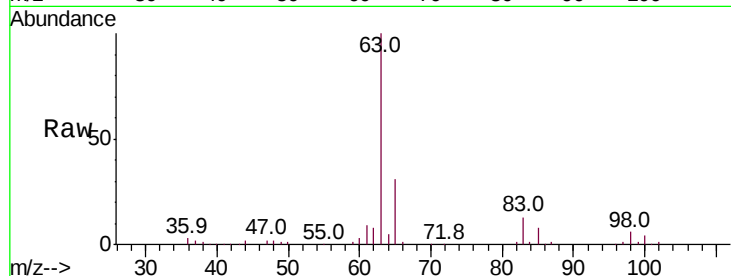
Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 63 Resp: 177489

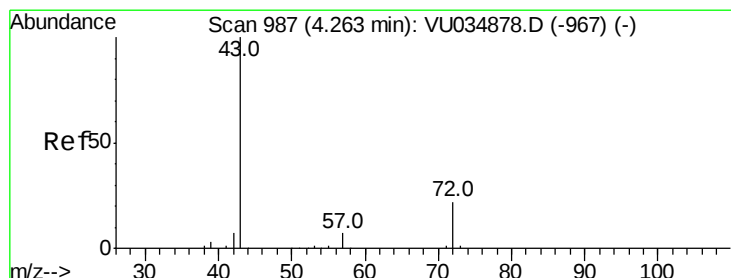
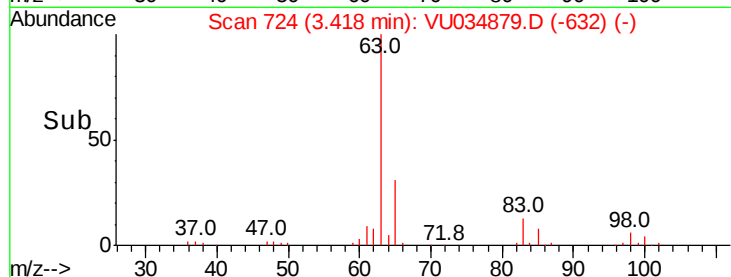
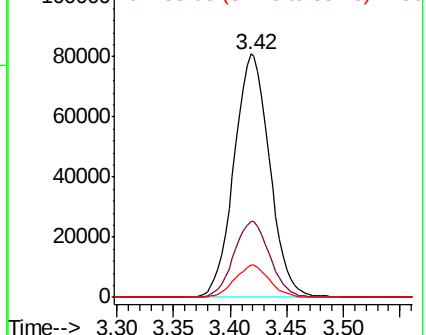
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.7	42.1
83	13.1	8.4	15.6



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: 103.338 ug/L

RT: 4.25 min Scan# 982

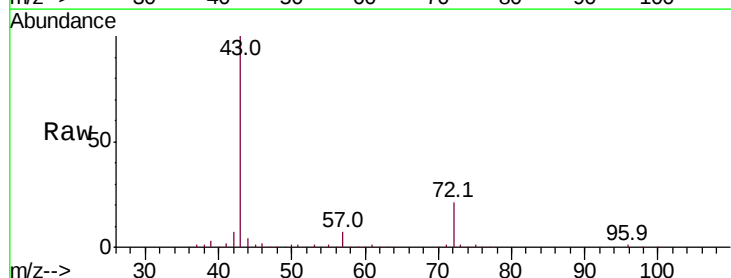
Delta R.T. -0.02 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

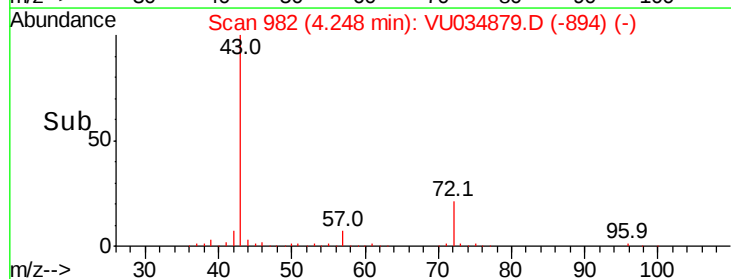
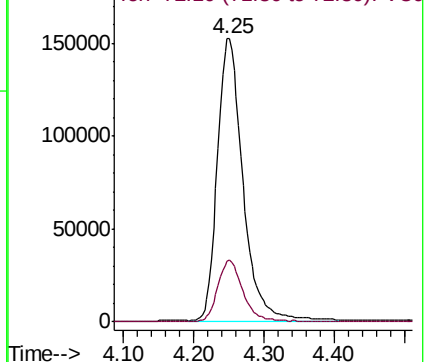
Tgt Ion: 43 Resp: 384718

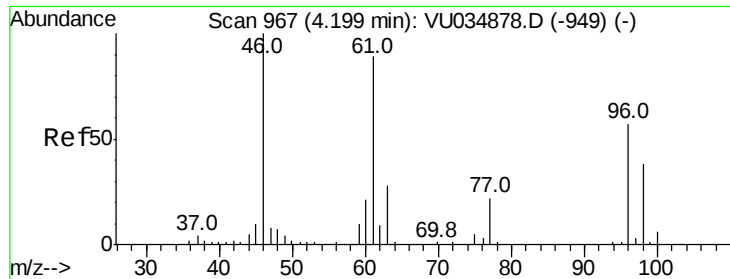
Ion	Ratio	Lower	Upper
43	100		
72	21.8	10.1	30.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



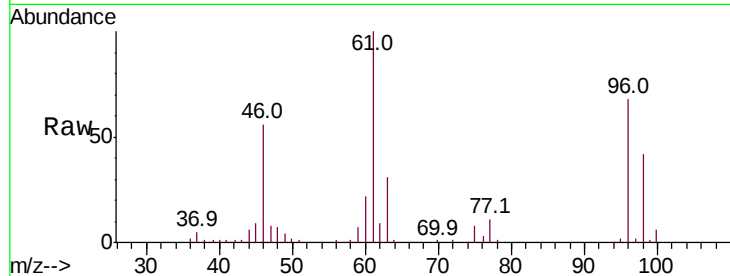


#22

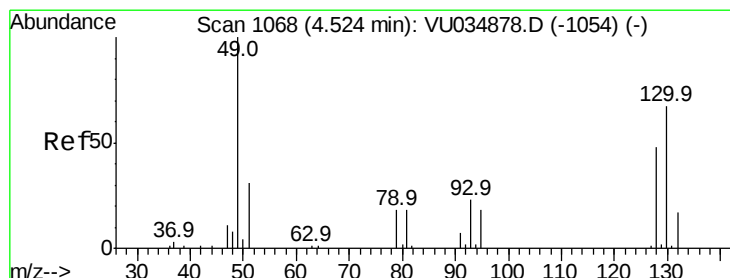
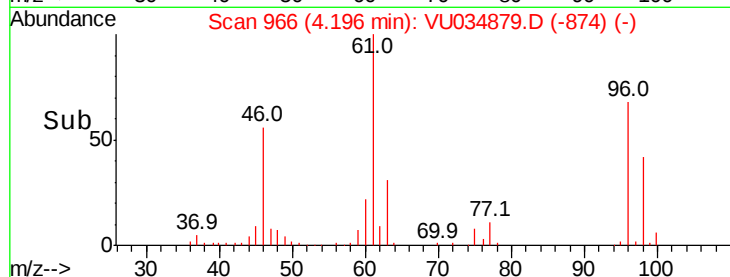
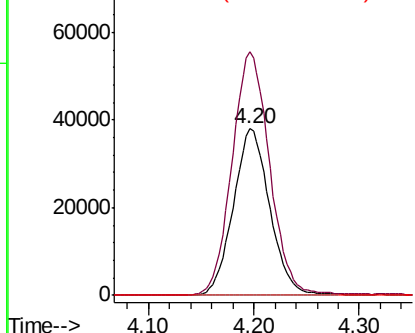
cis-1,2-Dichloroethene
Concen: 8.083 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 91279
Ion Ratio Lower Upper
96 100
61 146.0 108.6 201.8
68 0.0 0.0 0.0



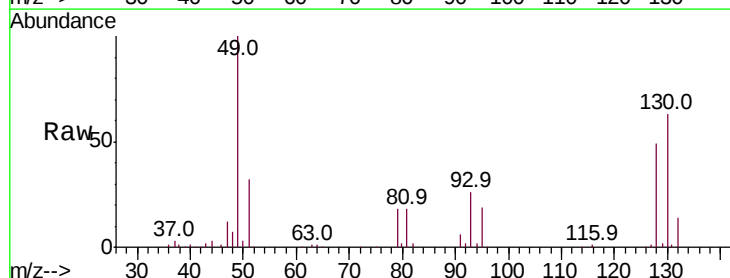
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



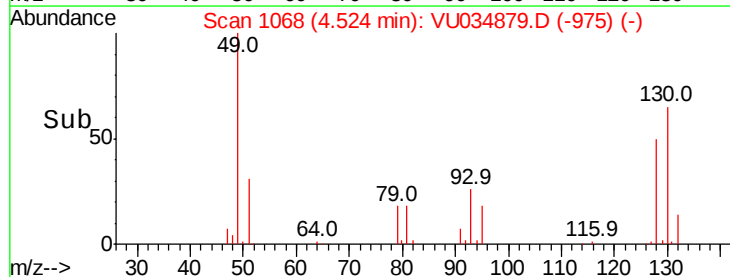
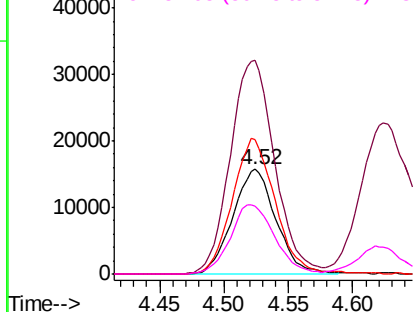
#23

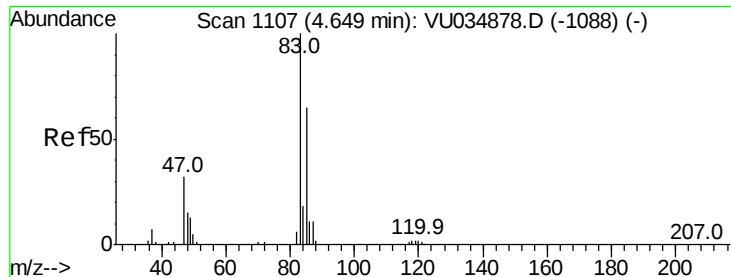
Bromochloromethane
Concen: 8.768 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Tgt Ion: 128 Resp: 36581
Ion Ratio Lower Upper
128 100
49 204.5 146.5 272.1
130 129.3 97.2 180.4
51 64.7 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

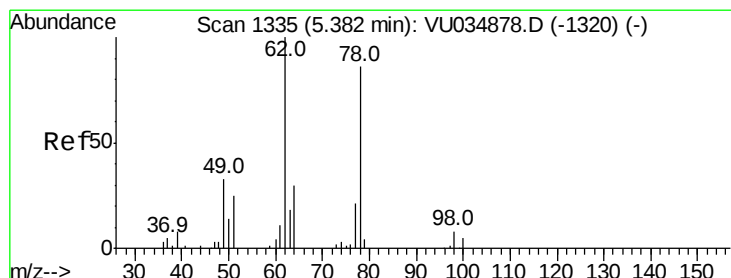
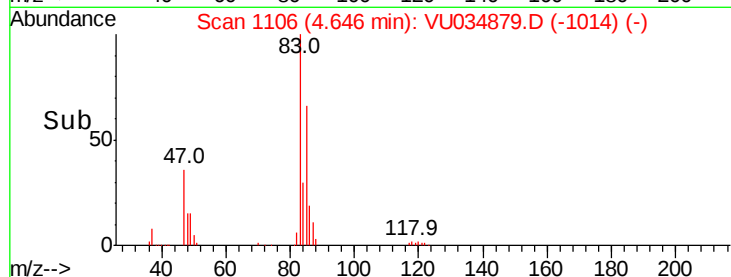
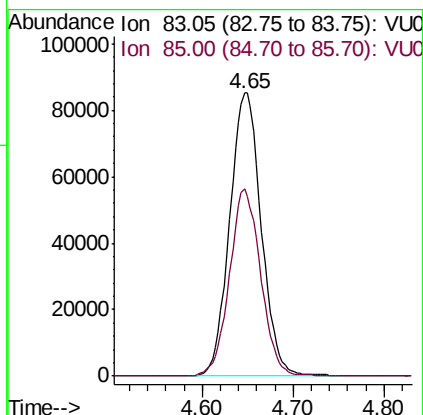
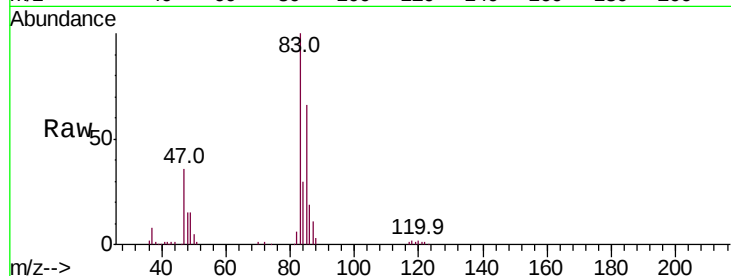




#25
Chloroform
Concen: 8.690 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

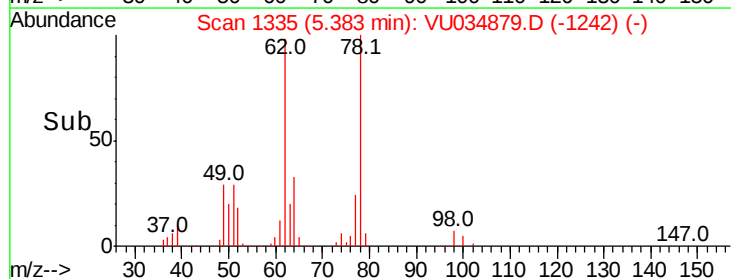
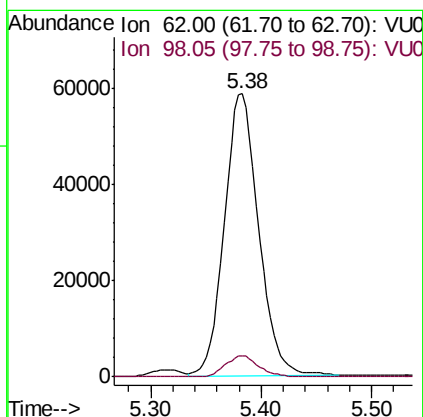
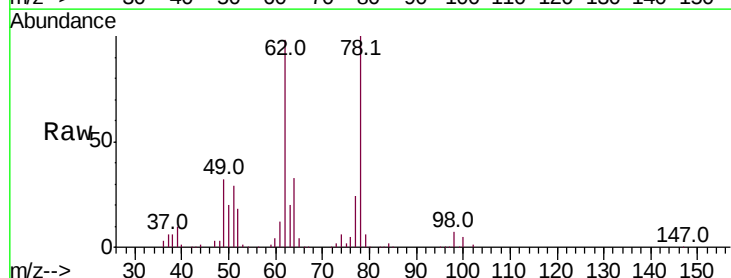
Instrument :
MSVOA_U
ClientSampleId :

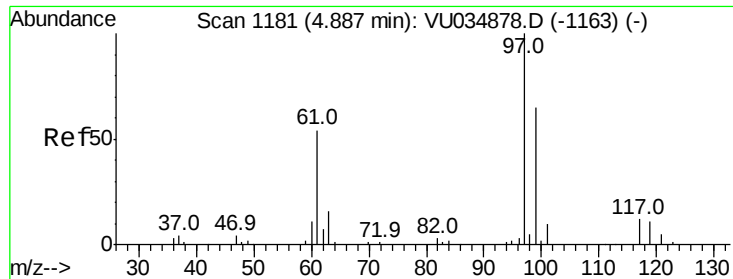
Tot Ion: 83 Resp: 205186
Ion Ratio Lower Upper
83 100
85 66.1 45.2 84.0



#27
1,2-Dichloroethane
Concen: 9.304 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Tgt Ion: 62 Resp: 126160
Ion Ratio Lower Upper
62 100
98 7.6 6.2 9.4

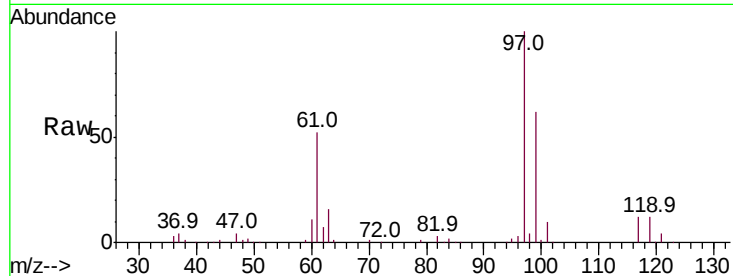




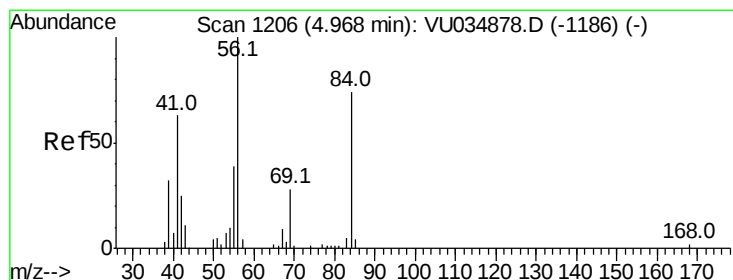
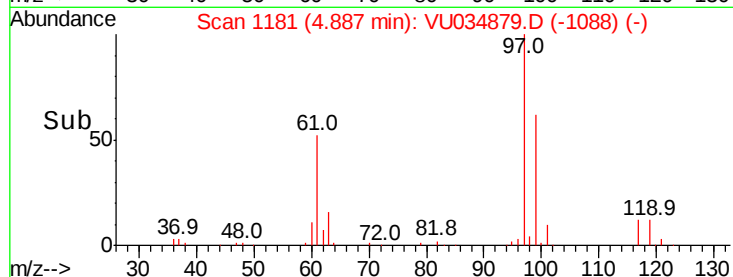
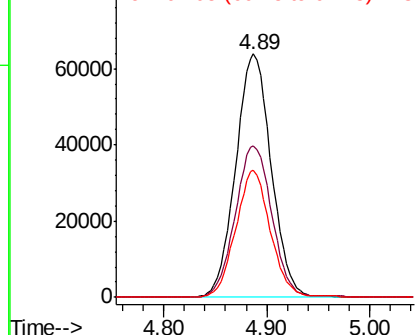
#29
 1,1,1-Trichloroethane
 Concen: 8.936 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 153136
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.2 78.4
 61 50.7 41.4 62.2

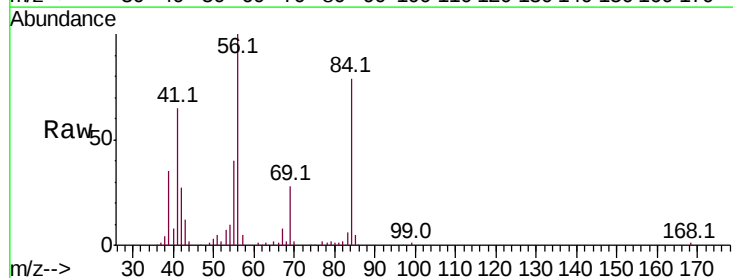


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

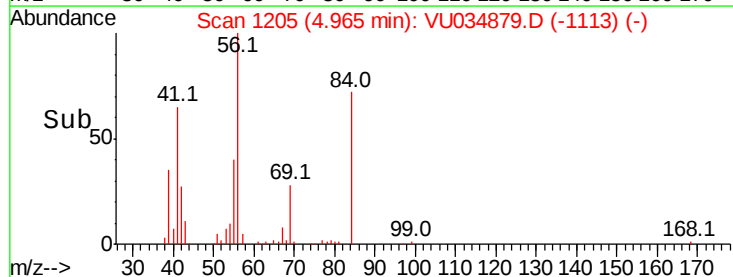
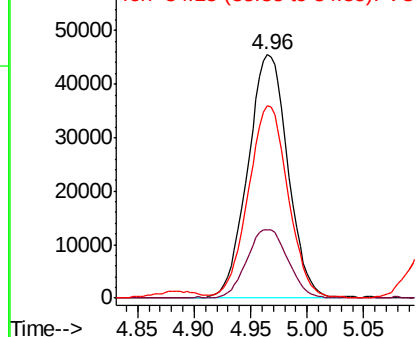


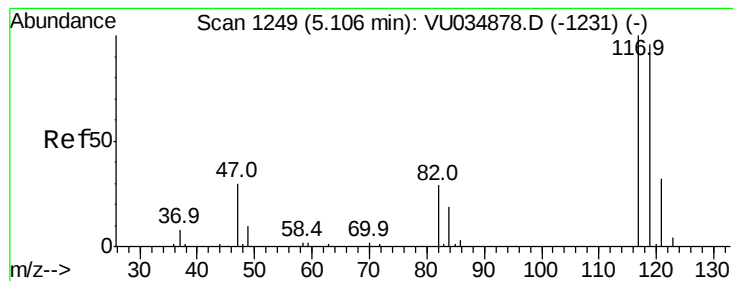
#30
 Cyclohexane
 Concen: 6.538 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Tgt Ion: 56 Resp: 111779
 Ion Ratio Lower Upper
 56 100
 69 28.8 22.6 34.0
 84 78.4 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: 8.624 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

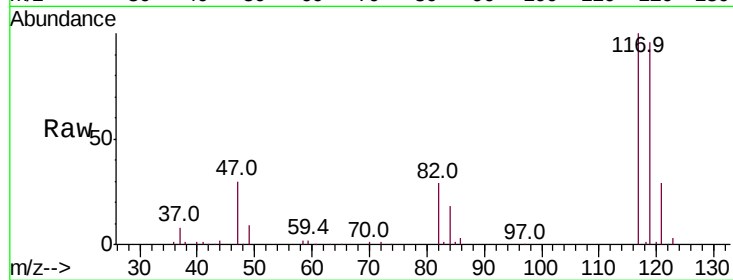
ClientSampled :

Tot Ion:117 Resp: 119351

Ion Ratio Lower Upper

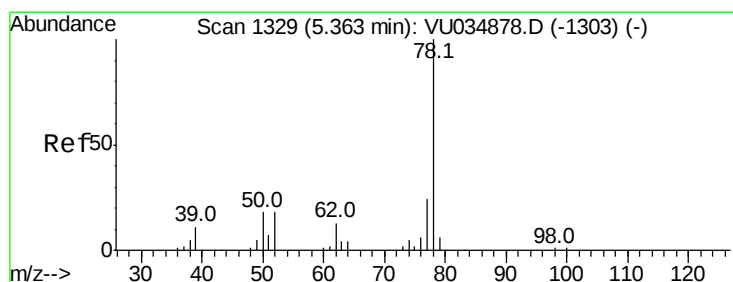
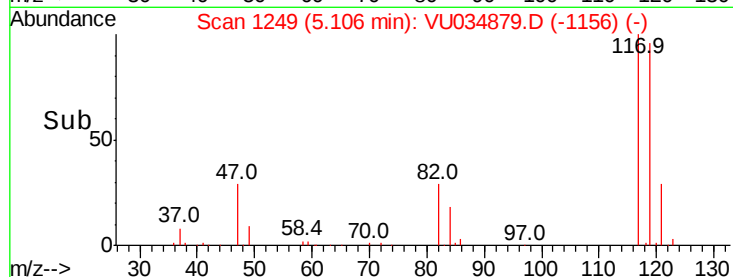
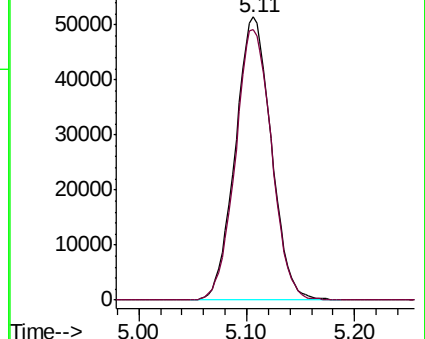
117 100

119 96.1 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: 7.770 ug/L

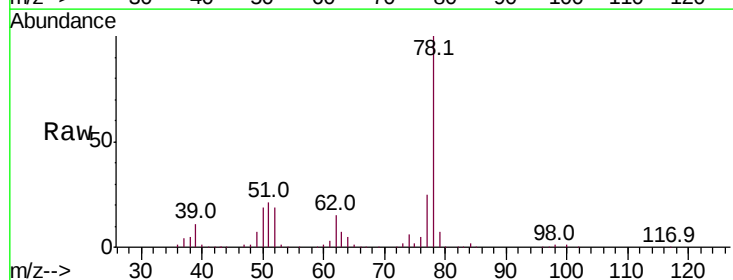
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

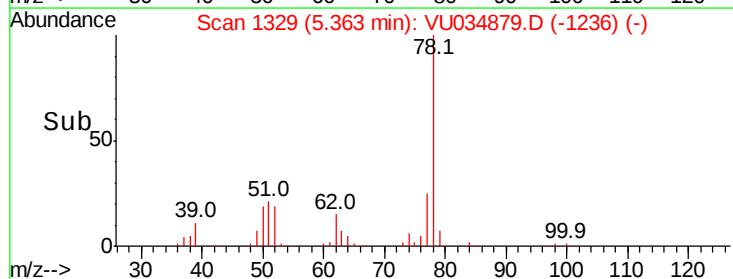
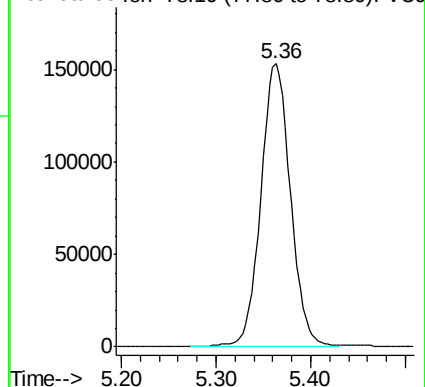
Lab File: VU034879.D

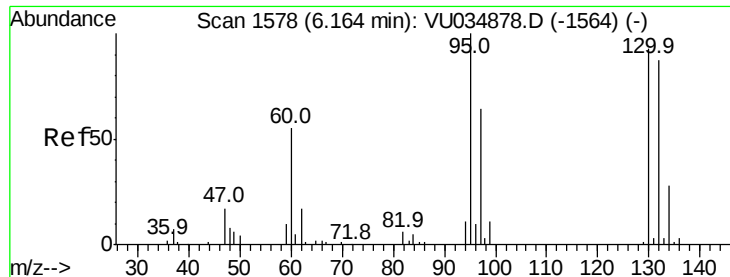
Acq: 30 Sep 2019 14:05

Tgt Ion: 78 Resp: 333903



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 7.906 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 85099

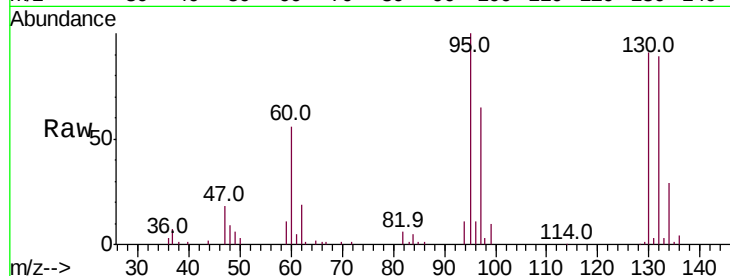
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.7

132 89.3 61.2 113.8

130 91.3 65.1 120.9

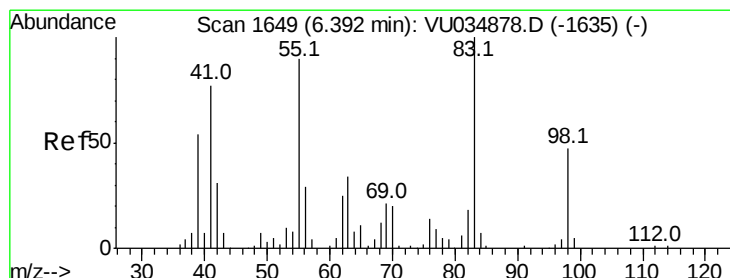
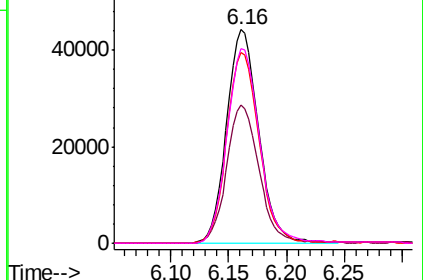
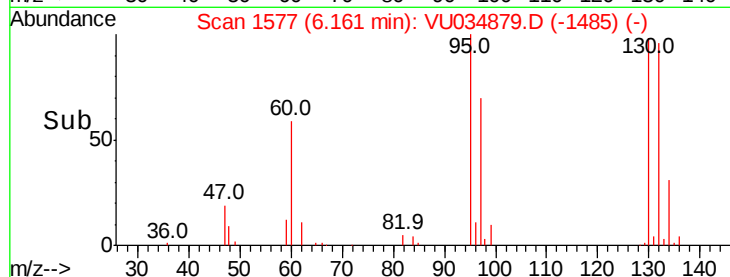


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.464 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

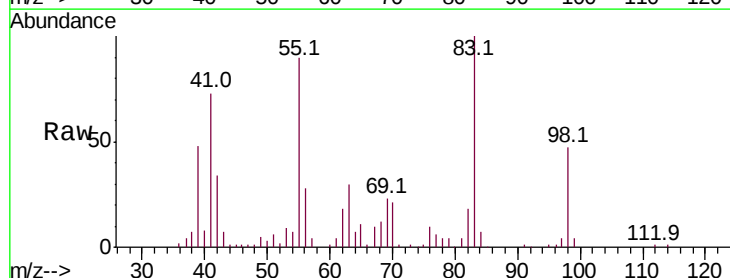
Tgt Ion: 83 Resp: 108730

Ion Ratio Lower Upper

83 100

55 87.5 68.9 103.3

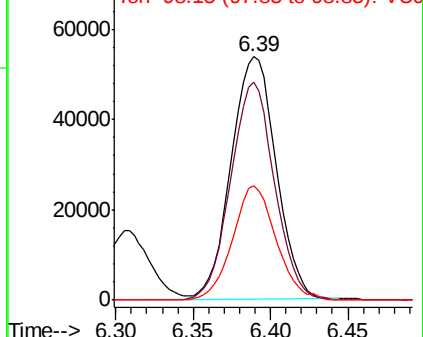
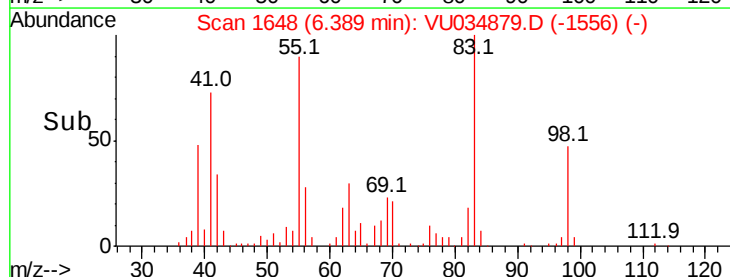
98 45.5 36.6 54.8

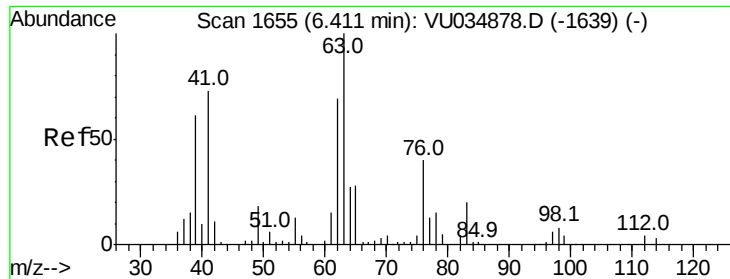


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 8.235 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

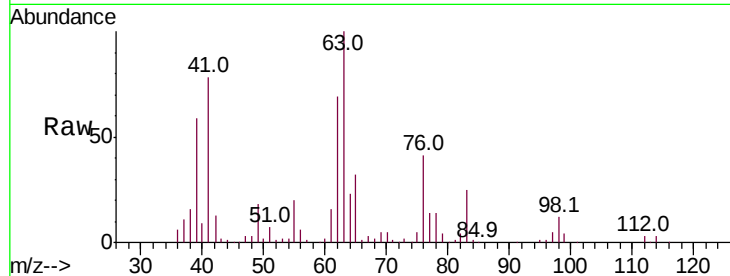
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 111028

Ion Ratio Lower Upper

63 100

112 3.4 2.6 4.0



Abundance Ion 63.10 (62.80 to 63.80): VU034878.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU034878.D (-1639) (-)

6.41

60000

50000

40000

30000

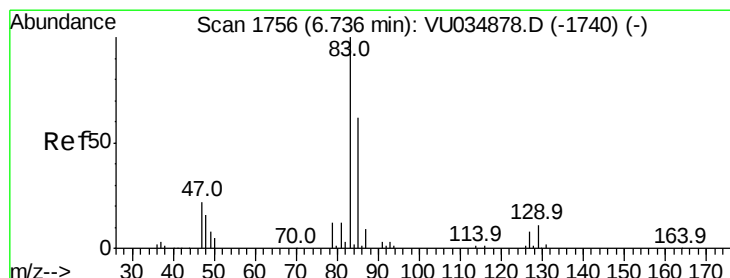
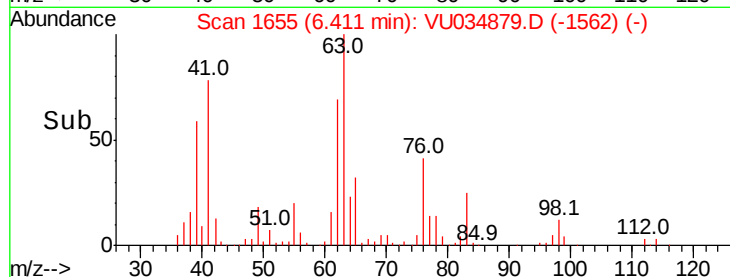
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 8.586 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

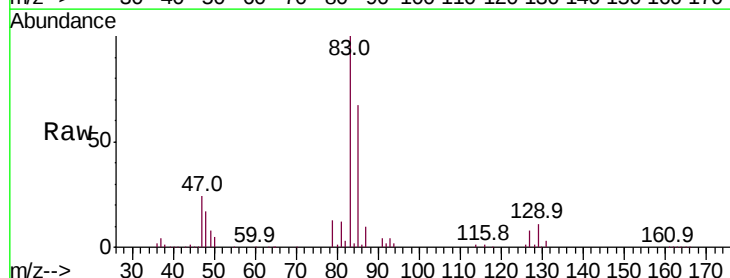
Tgt Ion: 83 Resp: 140109

Ion Ratio Lower Upper

83 100

85 67.4 43.5 80.7

127 7.6 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VU034878.D (-1740) (-)

Ion 85.00 (84.70 to 85.70): VU034878.D (-1740) (-)

Ion 126.90 (126.60 to 127.60): VU034878.D (-1740) (-)

6.73

100000

80000

60000

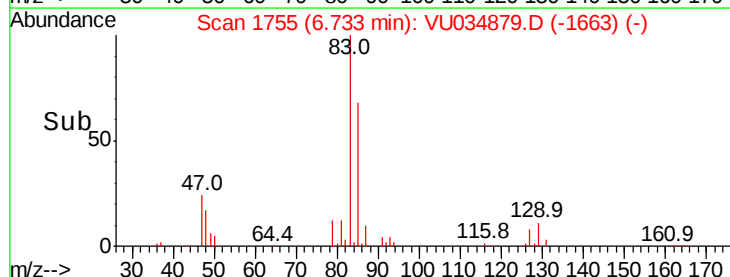
40000

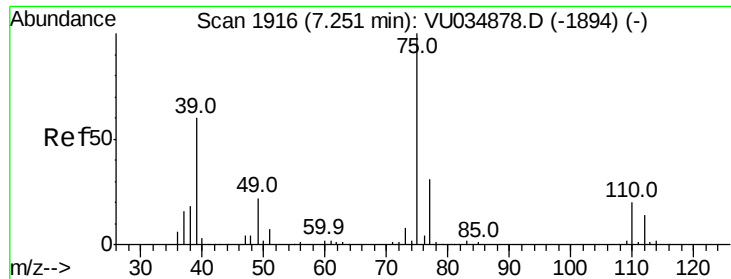
20000

0

6.60 6.70 6.80 6.90

Time-->

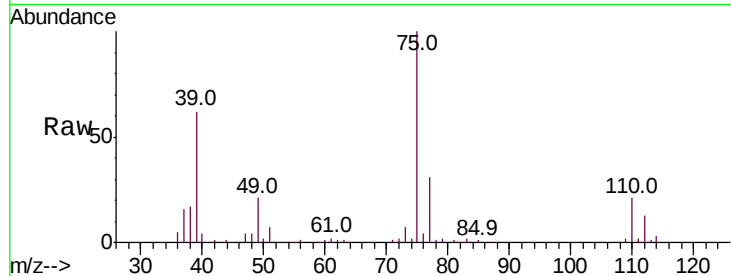




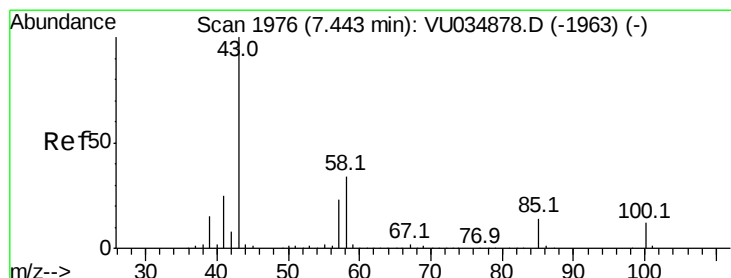
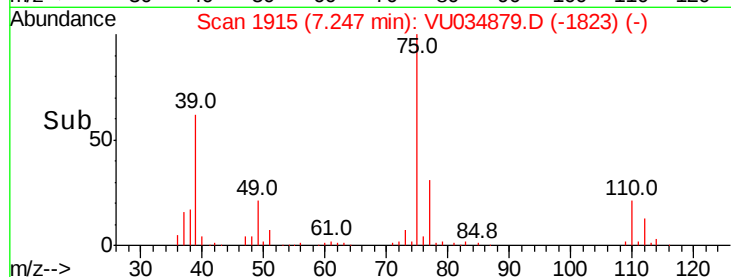
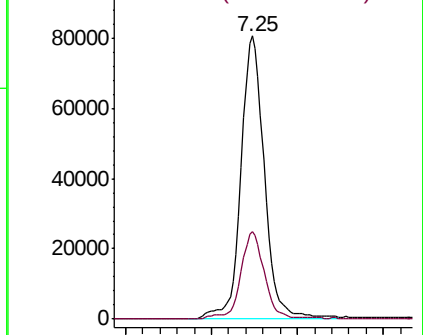
#39
 cis-1,3-Dichloropropene
 Concen: 8.218 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 153505
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.9 40.7

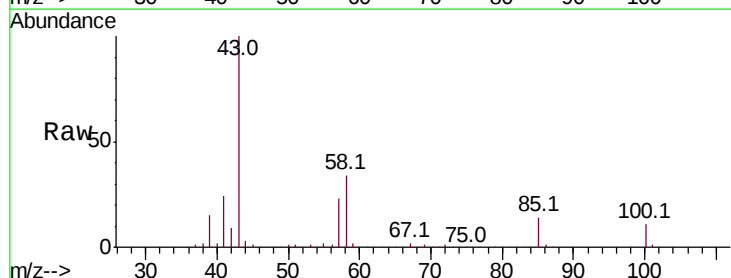


Abundance Ion 75.05 (74.75 to 75.75): VU034878.D (-1894) (-)
 Ion 77.05 (76.75 to 77.75): VU034878.D (-1894) (-)

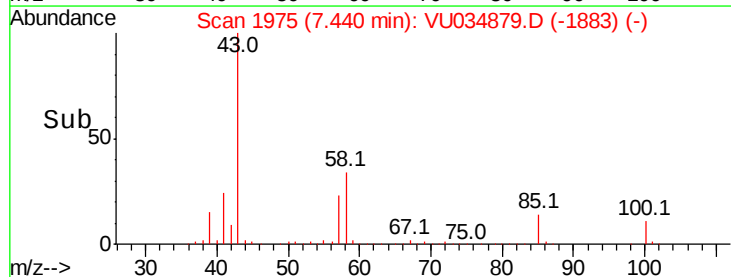
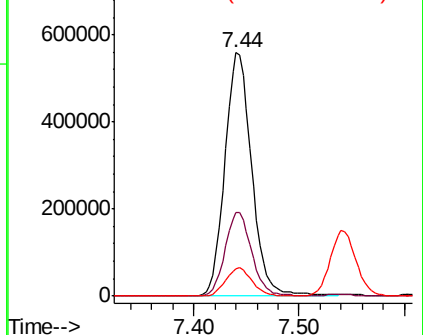


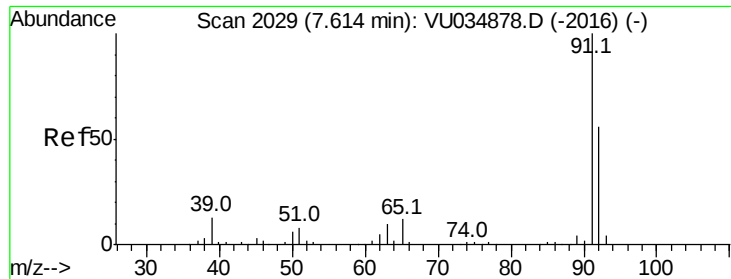
#40
 4-Methyl-2-pentanone
 Concen: 94.785 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Tgt Ion: 43 Resp: 985046
 Ion Ratio Lower Upper
 43 100
 58 34.1 27.0 40.6
 100 11.4 9.2 13.8



Abundance Ion 43.05 (42.75 to 43.75): VU034878.D (-1963) (-)
 Ion 58.05 (57.75 to 58.75): VU034878.D (-1963) (-)
 Ion 100.15 (99.85 to 100.85): VU034878.D (-1963) (-)





#42

Toluene

Concen: 7.920 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

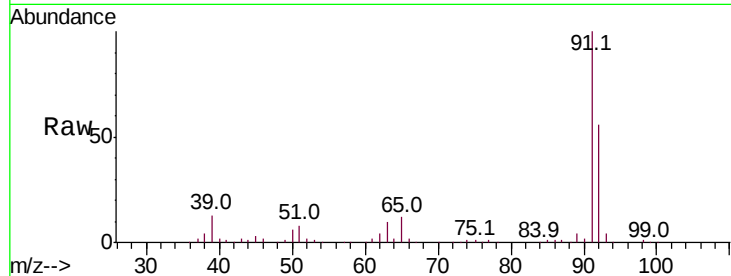
ClientSampleId :

Tot Ion: 91 Resp: 368761

Ion Ratio Lower Upper

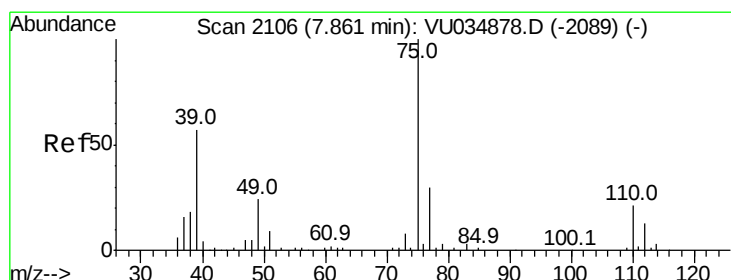
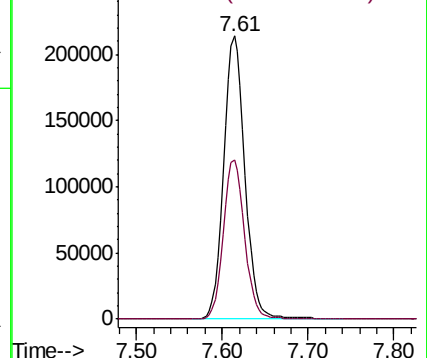
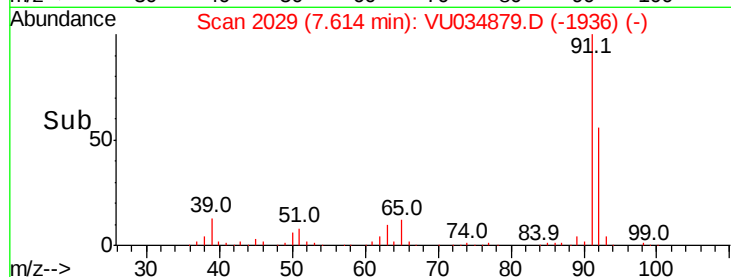
91 100

92 56.1 39.3 72.9



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

Ion 92.15 (91.85 to 92.85): VU034879.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.476 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034879.D

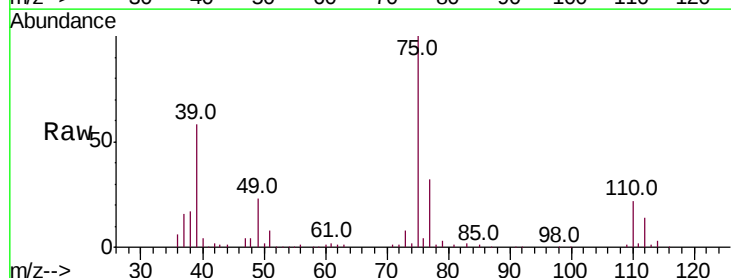
Acq: 30 Sep 2019 14:05

Tgt Ion: 75 Resp: 129500

Ion Ratio Lower Upper

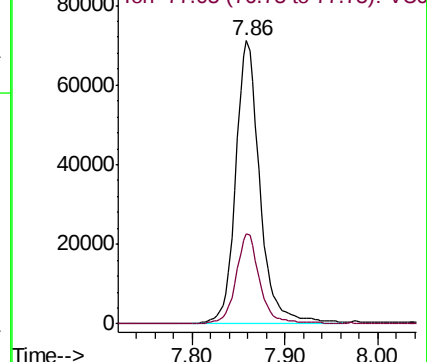
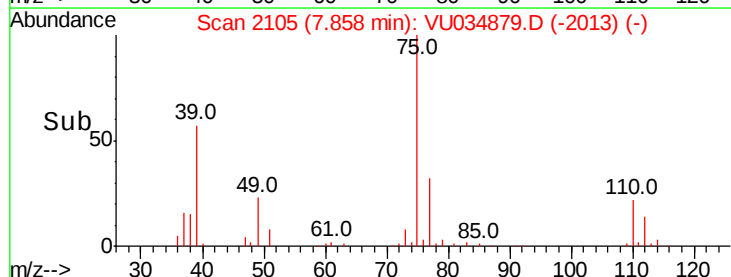
75 100

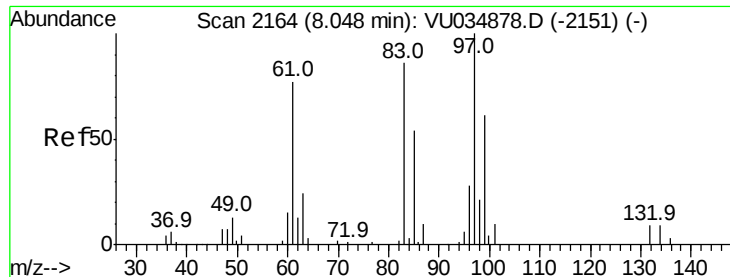
77 31.9 21.2 39.4



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

Ion 77.05 (76.75 to 77.75): VU034879.D (-2105) (-)





#45

1,1,2-Trichloroethane

Concen: 9.109 ug/L

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 79713

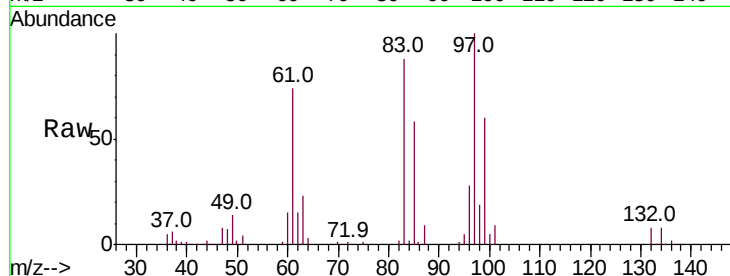
Ion Ratio Lower Upper

97 100

99 60.0 42.6 79.0

83 88.5 60.1 111.7

85 57.5 38.0 70.6

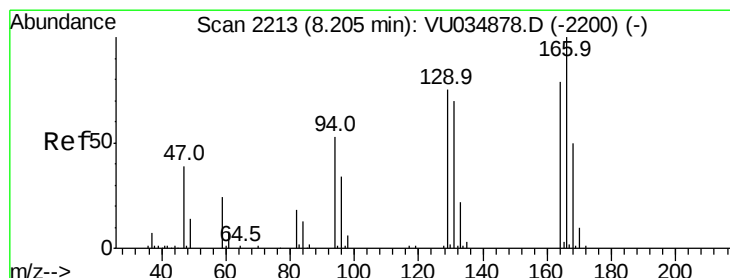
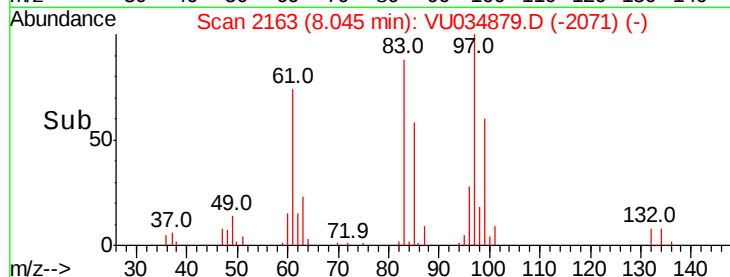
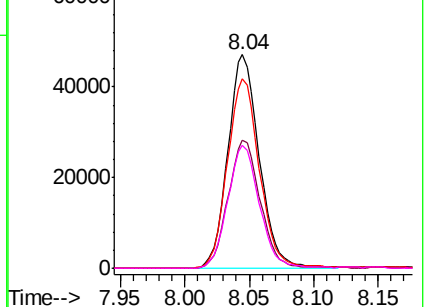


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 8.681 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Tgt Ion: 164 Resp: 57719

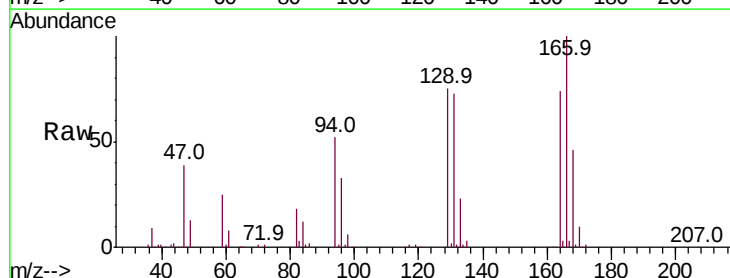
Ion Ratio Lower Upper

164 100

129 101.9 66.3 123.1

131 98.9 62.2 115.4

166 135.8 88.4 164.2

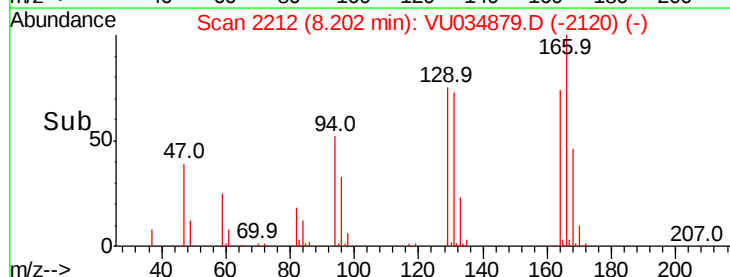
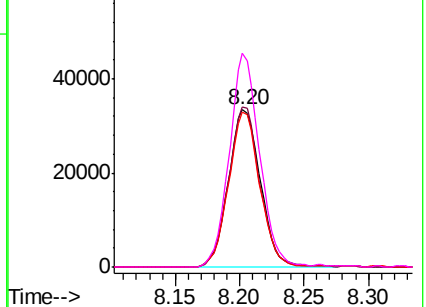


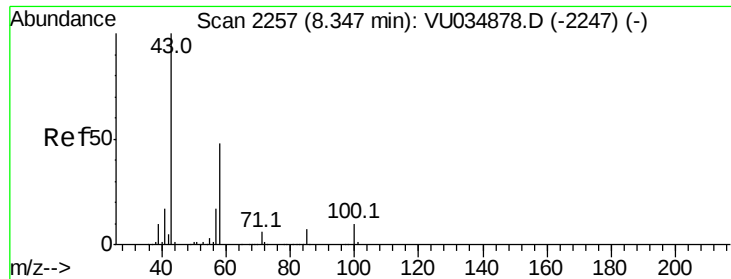
Abundance Ion 163.90 (163.60 to 164.60): V

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: 96.090 ug/L

RT: 8.34 min Scan# 2256

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 674076

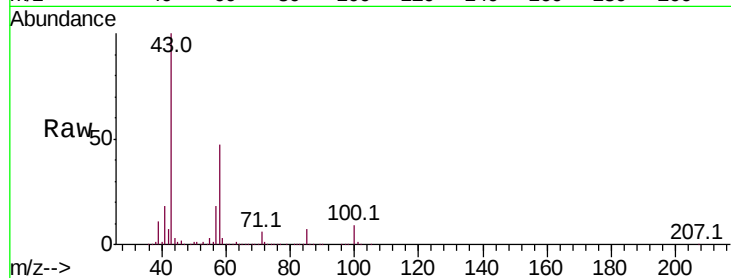
Ion Ratio Lower Upper

43 100

58 47.4 37.1 55.7

57 17.1 13.4 20.0

100 9.0 7.0 10.4

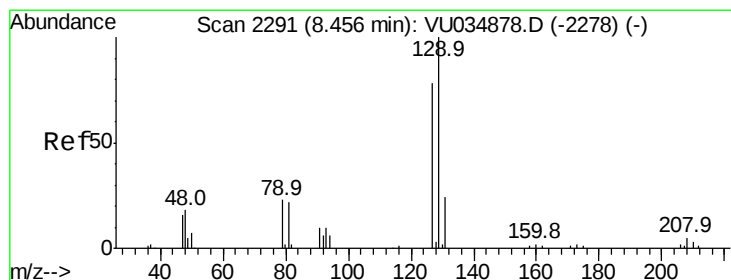
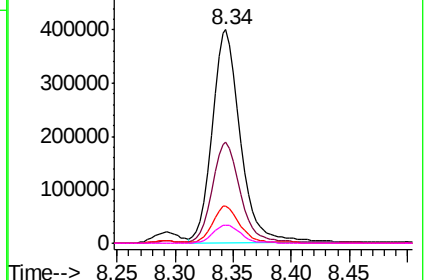
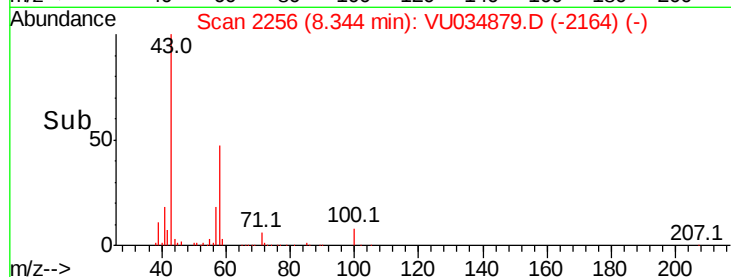


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 9.250 ug/L

RT: 8.45 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU034879.D

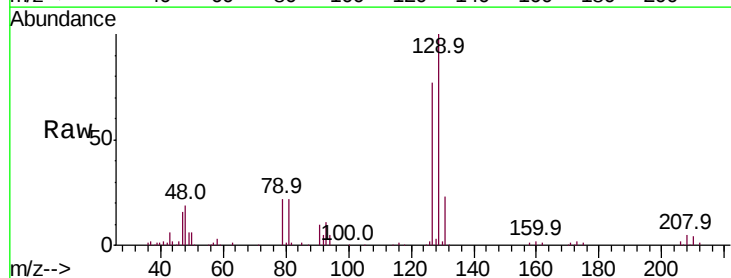
Acq: 30 Sep 2019 14:05

Tgt Ion: 129 Resp: 94623

Ion Ratio Lower Upper

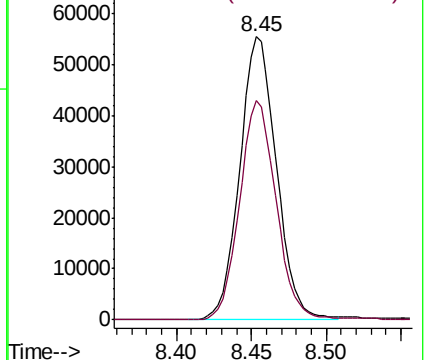
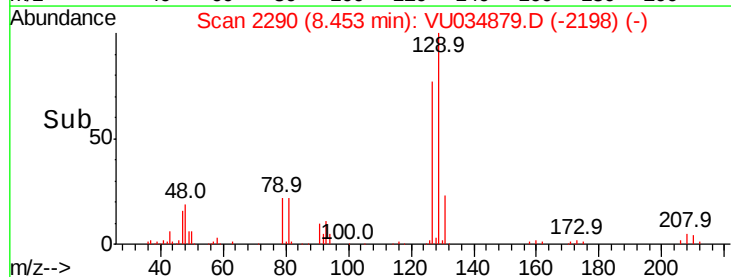
129 100

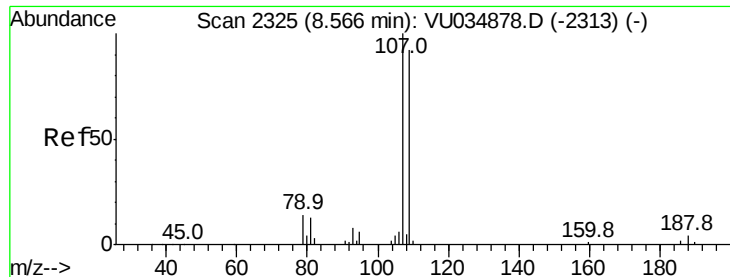
127 77.4 54.3 100.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

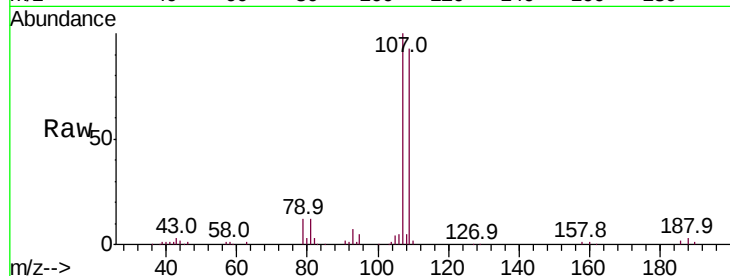




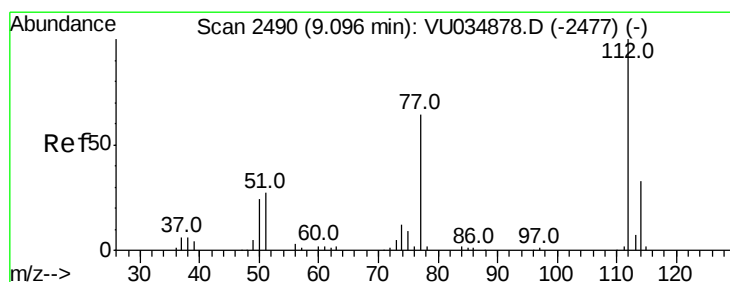
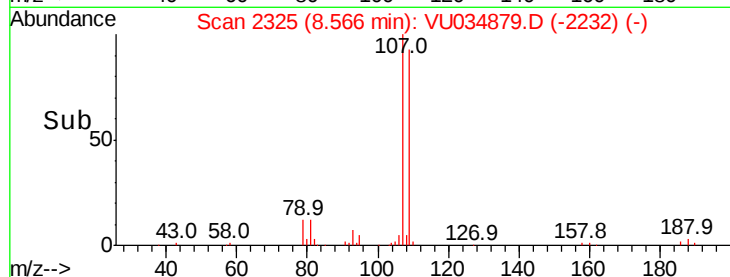
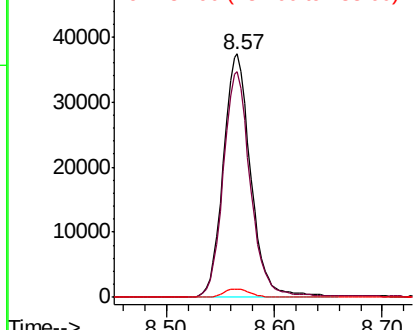
#50
1,2-Dibromoethane
Concen: 8.597 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 66626
Ion Ratio Lower Upper
107 100
109 92.8 64.6 120.0
188 3.3 2.9 4.3

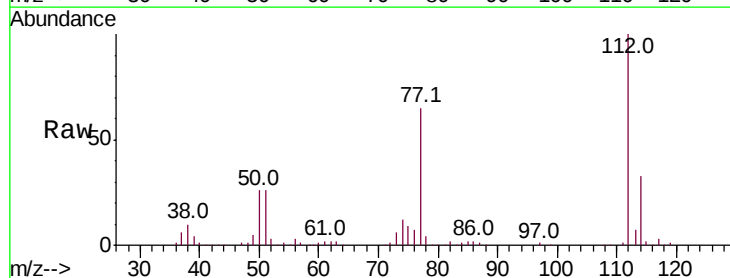


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

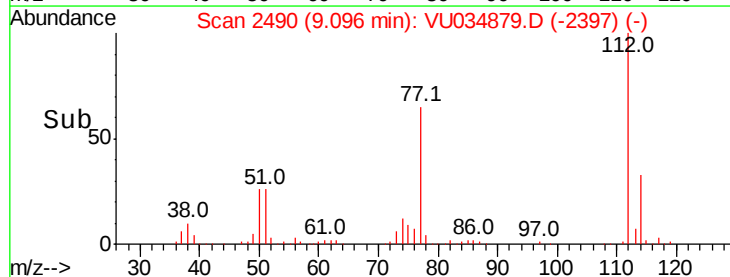
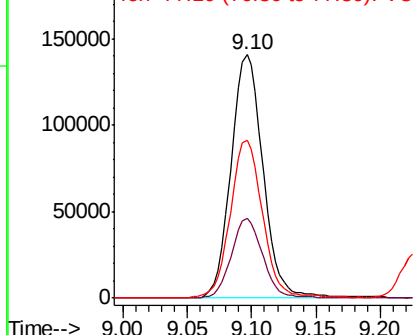


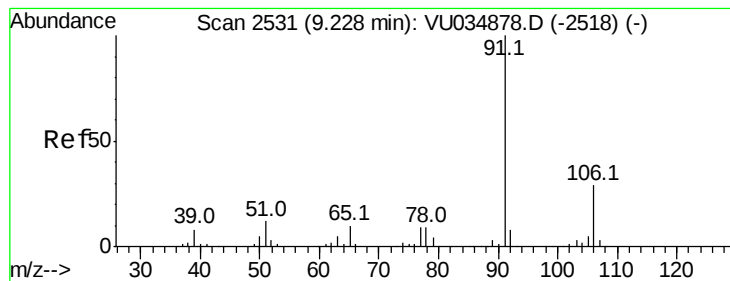
#51
Chlorobenzene
Concen: 8.288 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Tgt Ion:112 Resp: 243046
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.3
77 65.1 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): V





#52

Ethylbenzene

Concen: 8.182 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

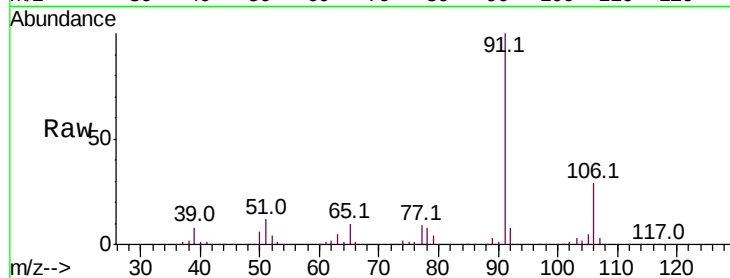
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 440726

Ion Ratio Lower Upper

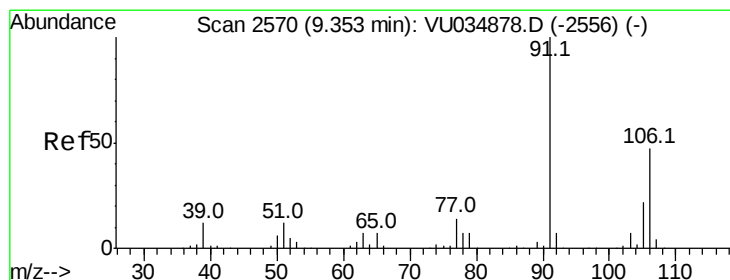
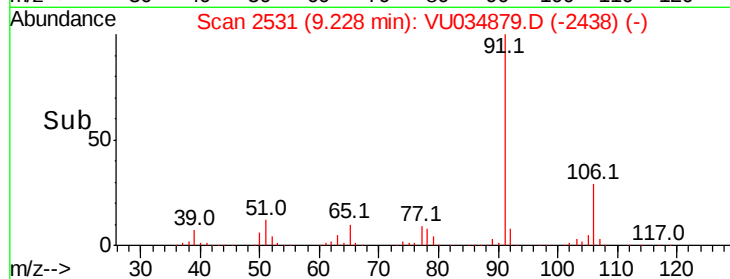
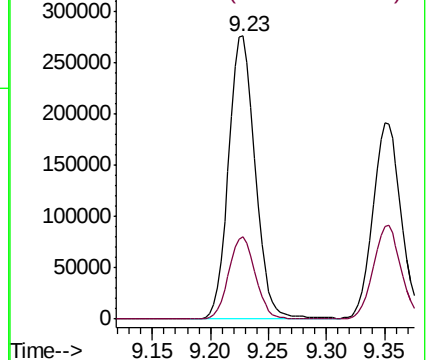
91 100

106 29.0 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 8.017 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034879.D

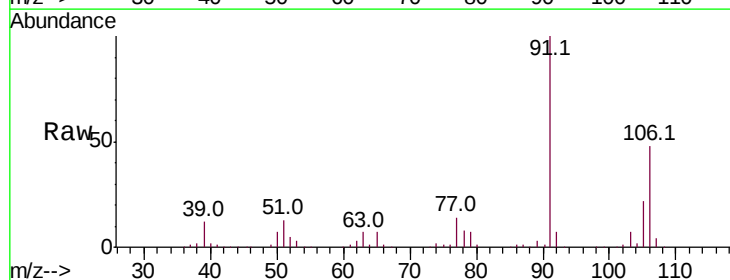
Acq: 30 Sep 2019 14:05

Tgt Ion: 106 Resp: 152899

Ion Ratio Lower Upper

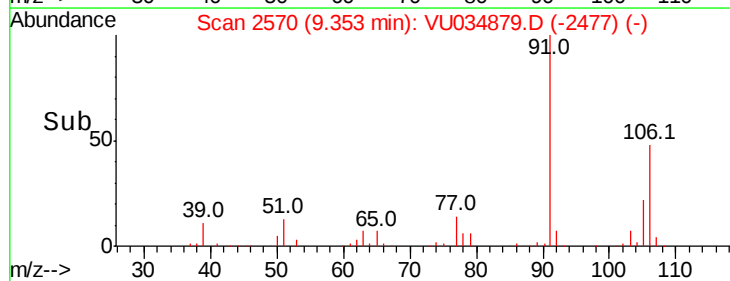
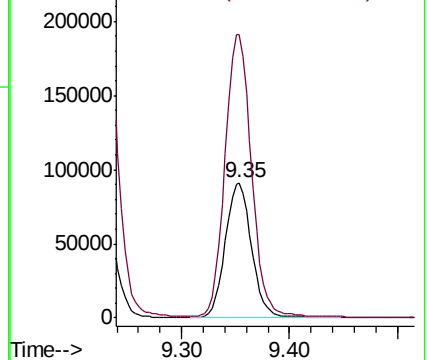
106 100

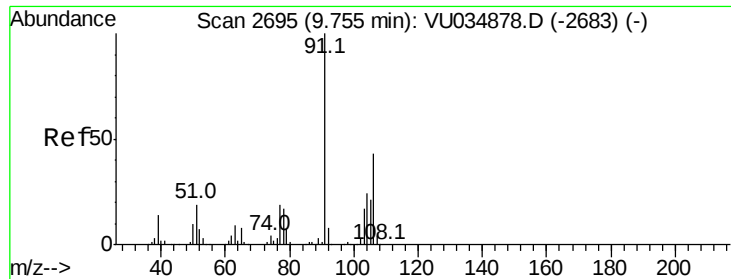
91 209.2 149.4 277.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

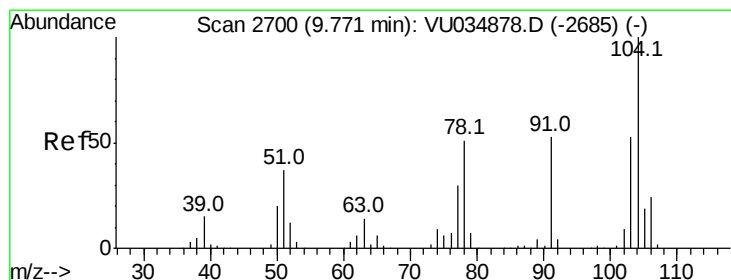
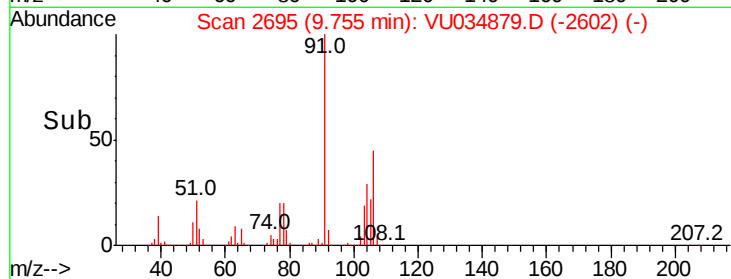
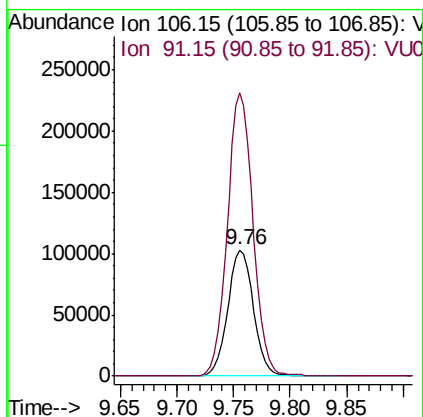
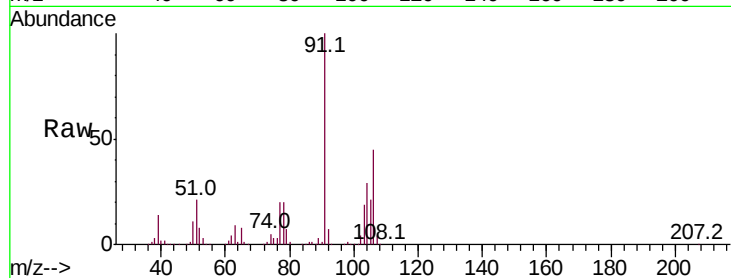




#54
o-Xylene
Concen: 8.487 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

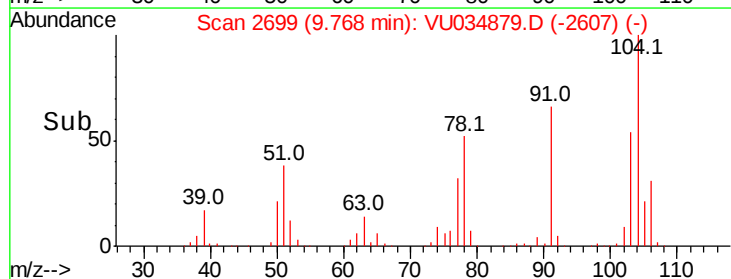
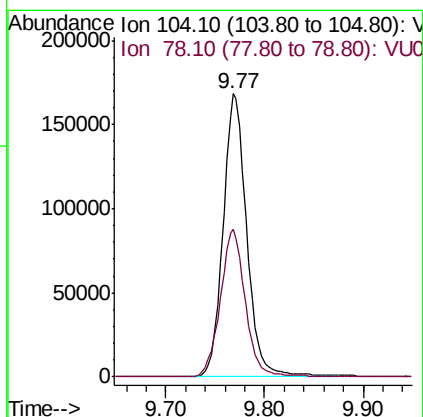
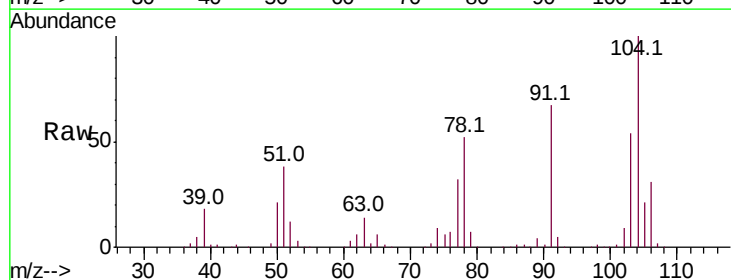
Instrument :
MSVOA_U
ClientSampled :

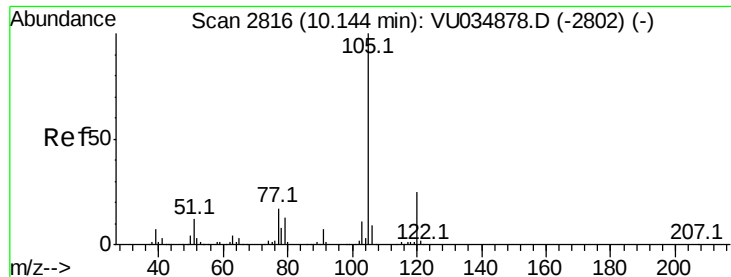
Tot Ion:106 Resp: 163340
Ion Ratio Lower Upper
106 100
91 224.6 161.4 299.8



#55
Styrene
Concen: 8.839 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. -0.00 min
Lab File: VU034879.D
Acq: 30 Sep 2019 14:05

Tgt Ion:104 Resp: 284095
Ion Ratio Lower Upper
104 100
78 52.1 35.4 65.7





#56

Isopropylbenzene

Concen: 8.625 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

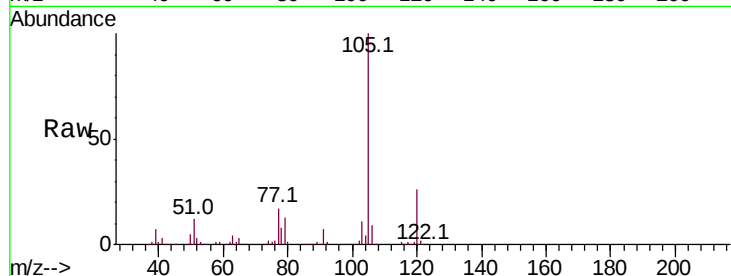
Tot Ion:105 Resp: 463901

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.4

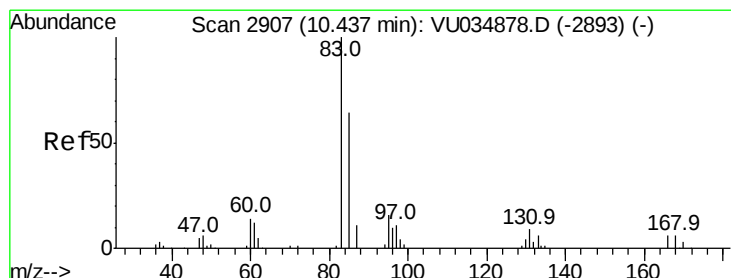
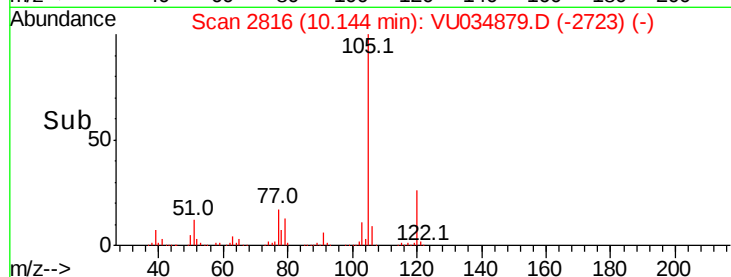
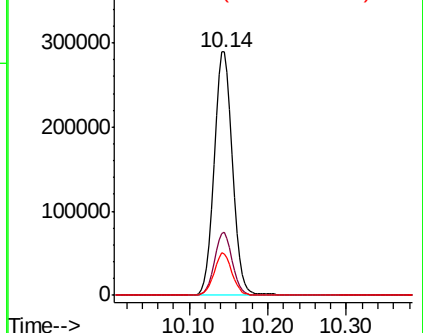
77 17.0 13.8 20.6



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: 9.235 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

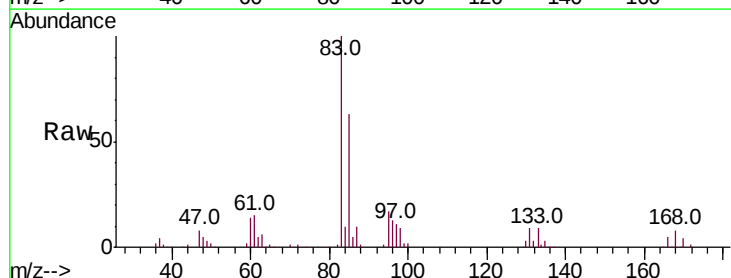
Tgt Ion: 83 Resp: 117824

Ion Ratio Lower Upper

83 100

85 63.1 45.2 84.0

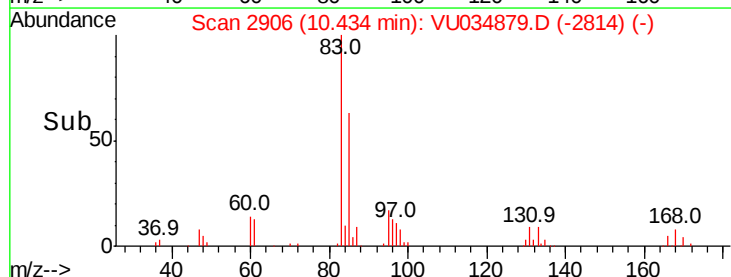
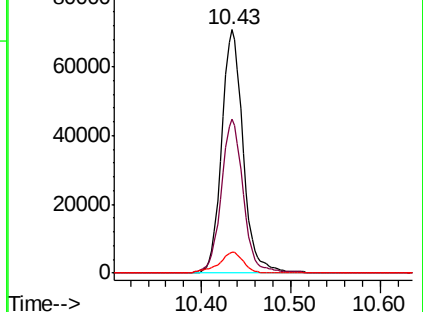
131 8.6 7.6 11.4

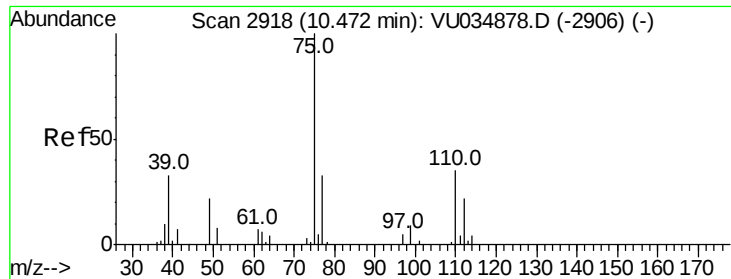


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

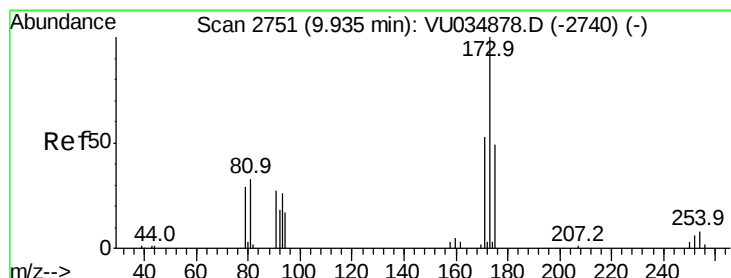
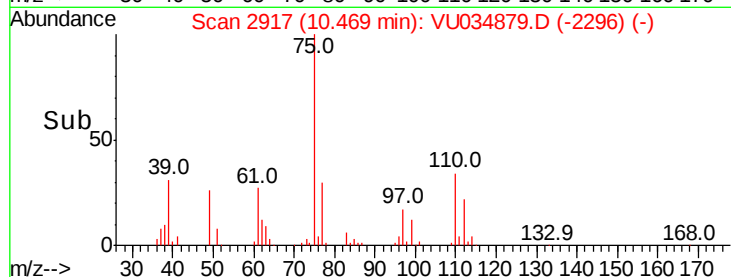
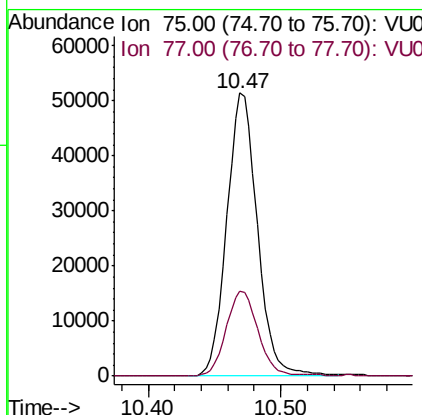
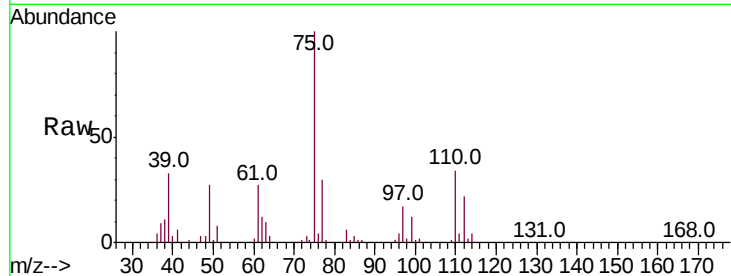




#59
 1,2,3-Trichloropropane
 Concen: 9.249 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

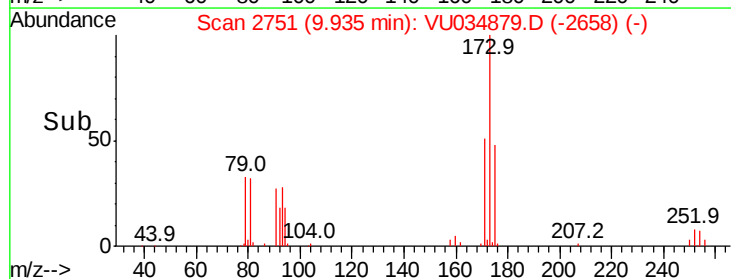
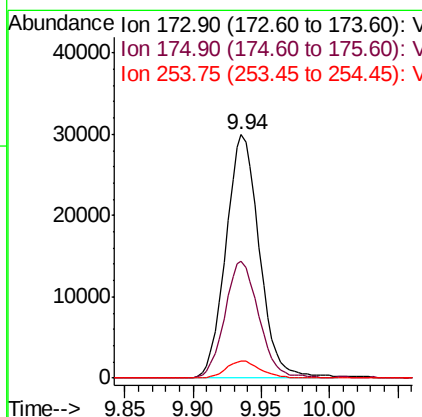
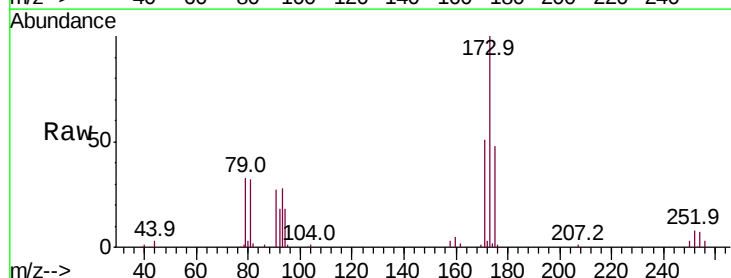
Instrument :
 MSVOA_U
 ClientSampleId :

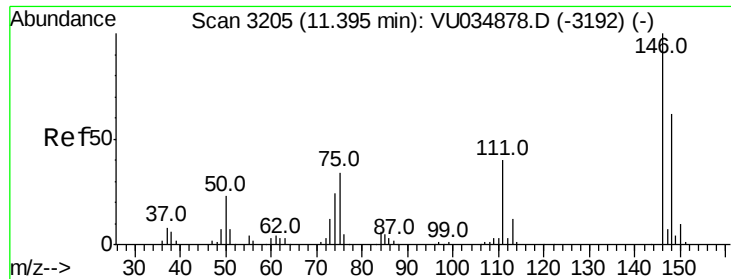
Tot Ion: 75 Resp: 82445
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.5 39.7



#61
 Bromoform
 Concen: 9.396 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Tgt Ion: 173 Resp: 51155
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 7.0 6.1 9.1



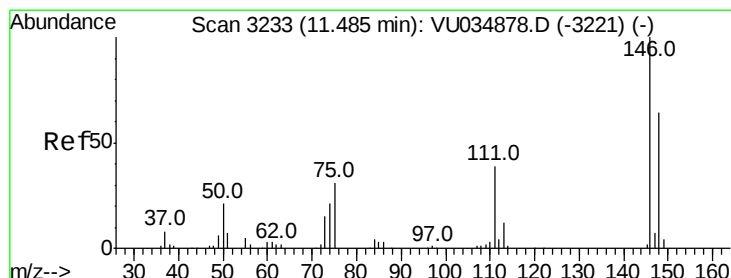
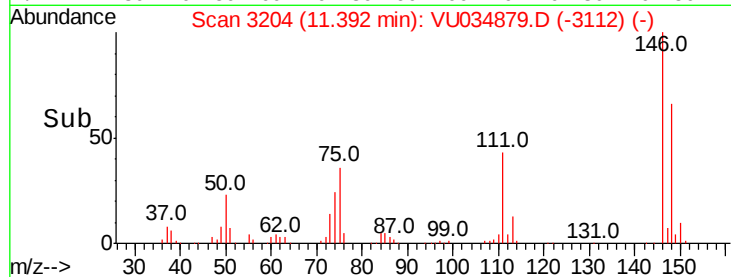
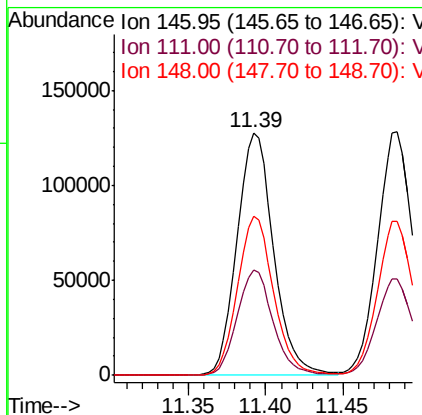
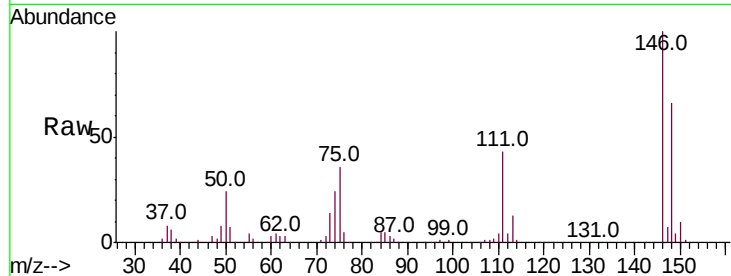


#62
 1,3-Dichlorobenzene
 Concen: 8.781 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 210487

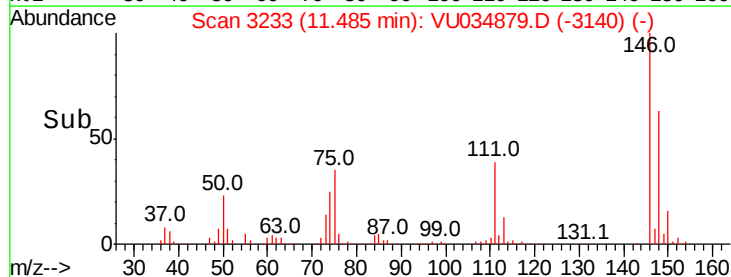
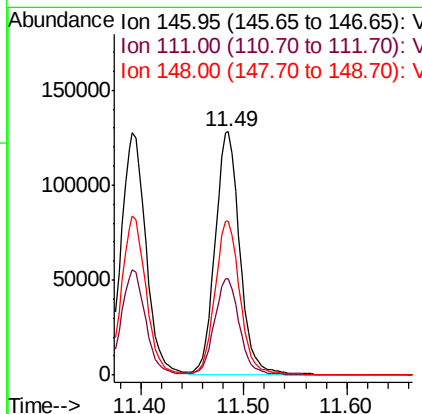
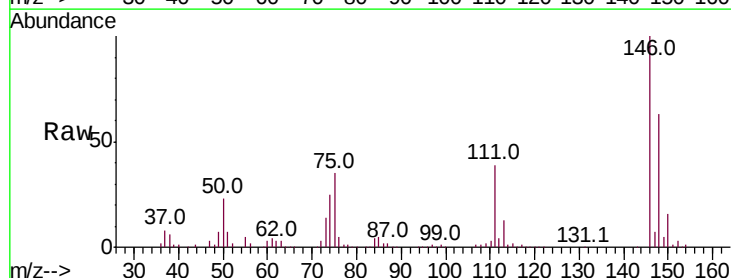
Ion	Ratio	Lower	Upper
146	100		
111	43.2	27.7	51.5
148	65.7	43.3	80.3

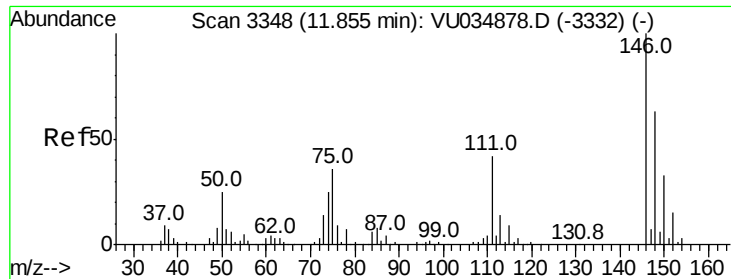


#63
 1,4-Dichlorobenzene
 Concen: 8.914 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Tgt Ion:146 Resp: 212440

Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.4	50.8
148	63.4	44.6	82.8





#65

1,2-Dichlorobenzene

Concen: 9.063 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

ClientSampled :

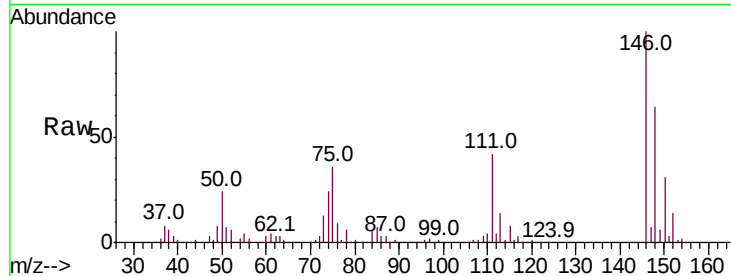
Tot Ion:146 Resp: 214972

Ion Ratio Lower Upper

146 100

111 41.9 33.4 50.2

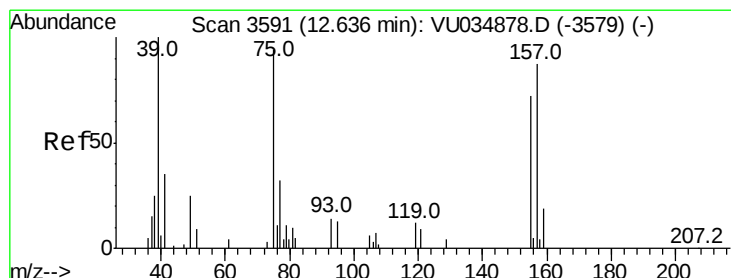
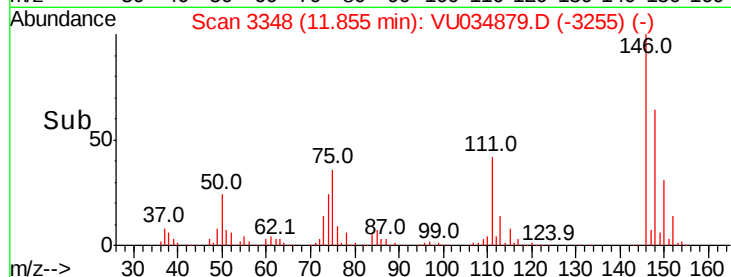
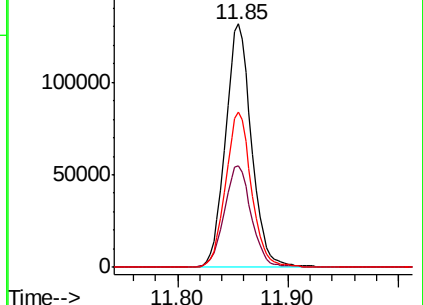
148 63.8 50.0 75.0



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: 8.569 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

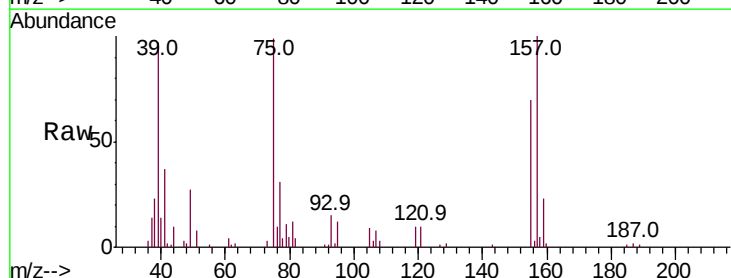
Tgt Ion: 75 Resp: 17793

Ion Ratio Lower Upper

75 100

155 70.4 61.1 91.7

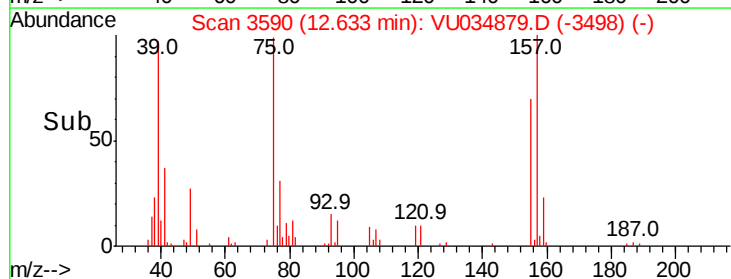
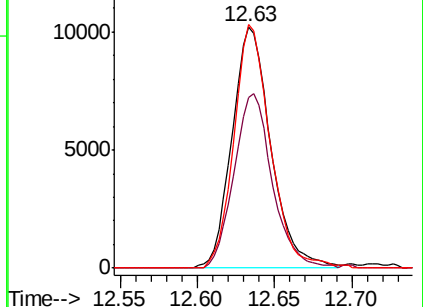
157 100.8 73.8 110.8

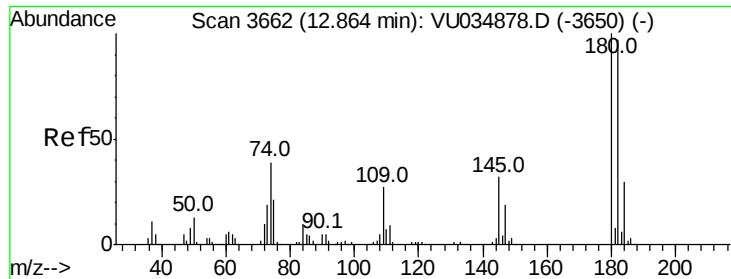


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

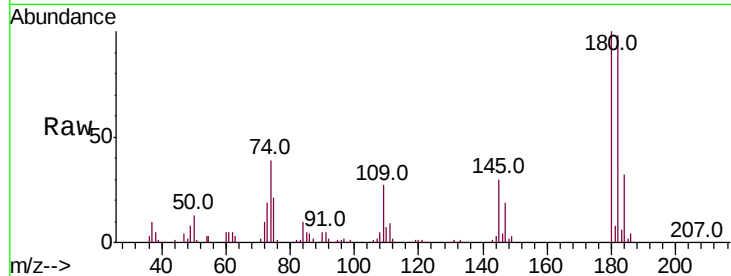




#67
 1,3,5-Trichlorobenzene
 Concen: 10.269 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.0	115.4
184	30.6	24.4	36.6
145	29.9	25.0	37.6



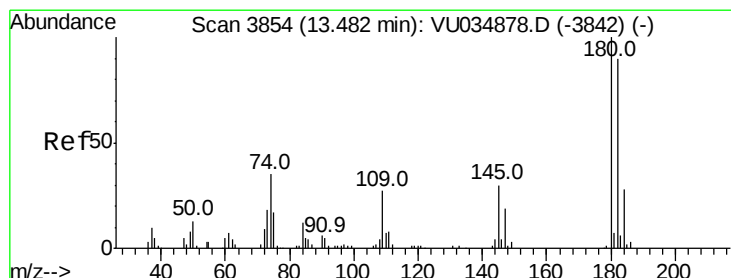
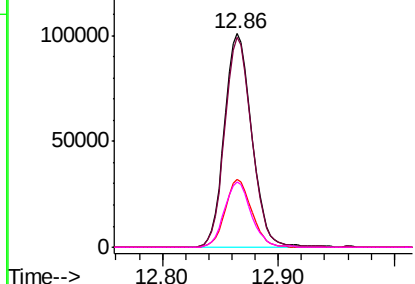
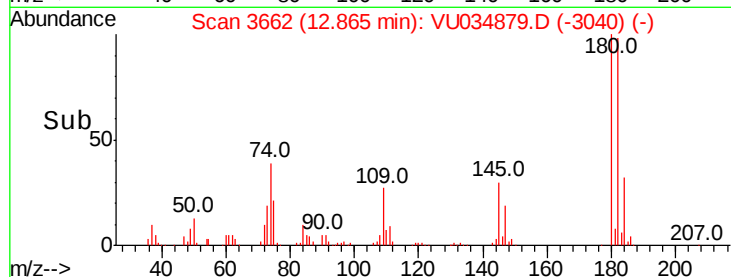
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

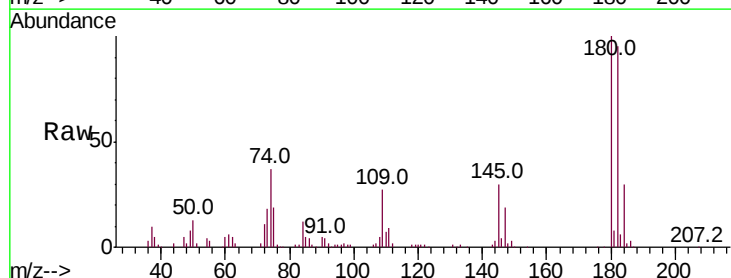
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.409 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034879.D
 Acq: 30 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.3	111.5
145	30.7	24.0	36.0

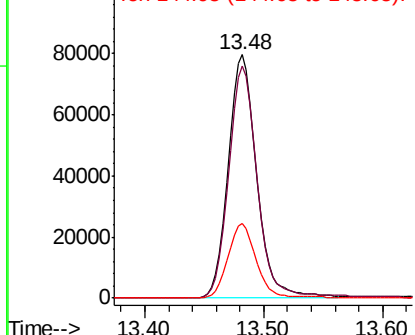
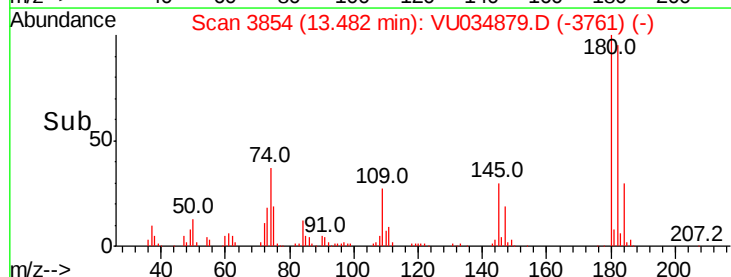


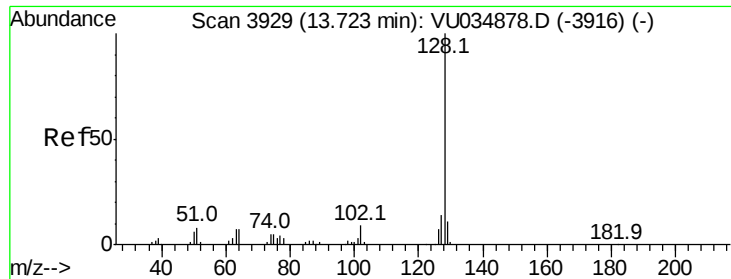
Abundance

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: 7.961 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

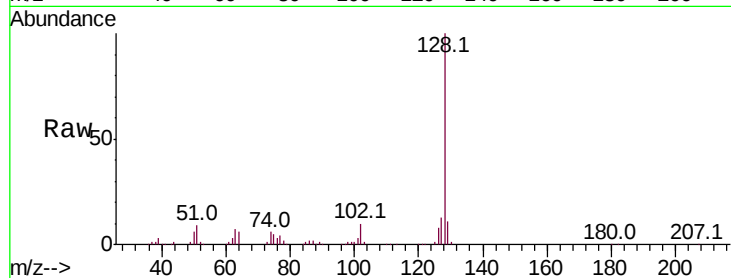
Tot Ion:128 Resp: 236573

Ion Ratio Lower Upper

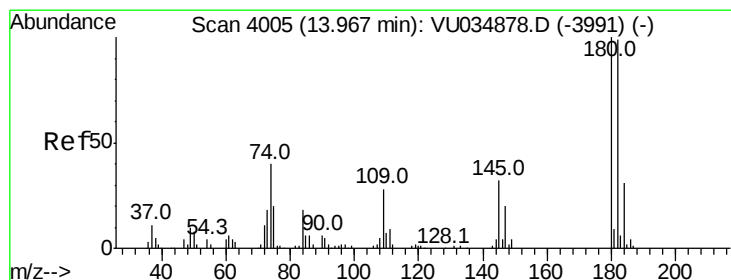
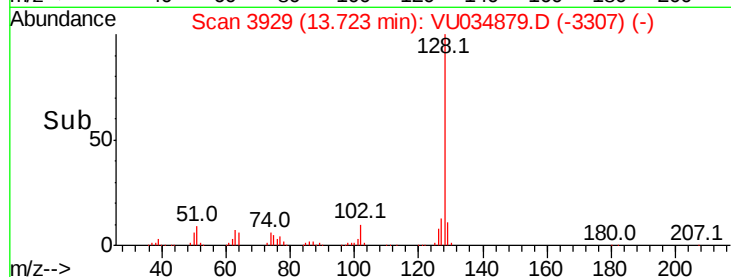
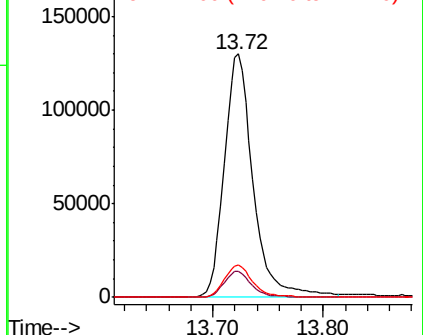
128 100

129 10.3 8.5 12.7

127 13.2 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: 10.623 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034879.D

Acq: 30 Sep 2019 14:05

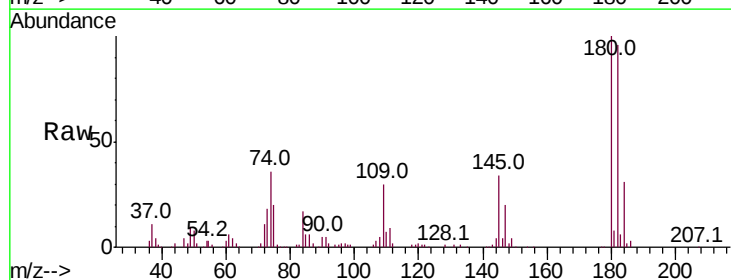
Tgt Ion:180 Resp: 127656

Ion Ratio Lower Upper

180 100

182 95.3 78.2 117.2

145 32.7 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

