

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112719\
 Data File : VU035883.D
 Acq On : 27 Nov 2019 09:10
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 04:55:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 18:31:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	224084	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	137132	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	143844	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.93	69	129894	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.59	63	236029	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.80%
20) 2-Butanone-d5	4.69	46	335051	49.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.92%
24) Chloroform-d	5.11	84	247531	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.75	65	132704	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.77	84	468161	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.73	67	155495	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.93	98	424115	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.21	79	56423	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.67	63	280018	54.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	132928	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	138797	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	143398	4.723	ug/L 100
3) Chloromethane	1.54	50	178124	4.765	ug/L 99
5) Vinyl chloride	1.62	62	183156	4.895	ug/L 100
6) Bromomethane	1.87	94	101992	5.303	ug/L 97
8) Chloroethane	1.95	64	113506	5.243	ug/L 99
9) Trichlorofluoromethane	2.16	101	220121	5.066	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	123547	5.006	ug/L 94
12) 1,1-Dichloroethene	2.61	96	110197	4.726	ug/L 90
13) Acetone	2.67	43	241561	40.600	ug/L 96
14) Carbon disulfide	2.82	76	340250	4.394	ug/L 100
15) Methyl Acetate	2.99	43	57671	4.835	ug/L 100
16) Methylene chloride	3.08	84	136399	4.842	ug/L 97
17) Methyl tert-butyl Ether	3.42	73	266594	4.726	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	112695	4.909	ug/L 97
19) 1,1-Dichloroethane	3.92	63	256837	4.979	ug/L 99
21) 2-Butanone	4.77	43	378954	50.334	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	127863	4.998	ug/L 94

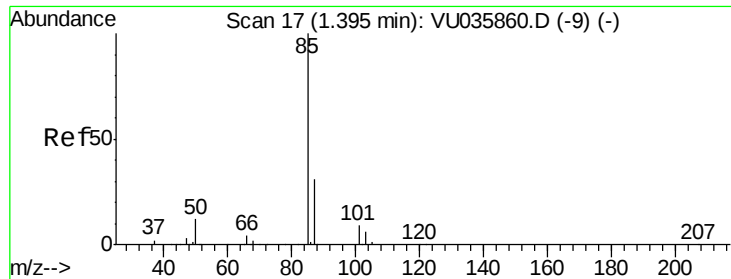
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112719\
 Data File : VU035883.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 18:31:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	58851	5.280	ug/L	98
25) Chloroform	5.13	83	271044	5.400	ug/L	98
27) 1,2-Dichloroethane	5.84	62	167870	5.085	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	207270	5.012	ug/L	97
30) Cyclohexane	5.43	56	179203	4.434	ug/L	98
31) Carbon tetrachloride	5.57	117	175454	4.899	ug/L	97
33) Benzene	5.82	78	538740	5.040	ug/L	100
34) Trichloroethene	6.58	95	126017	4.808	ug/L	96
35) Methylcyclohexane	6.80	83	171512	4.459	ug/L	98
37) 1,2-Dichloropropane	6.83	63	149544	4.932	ug/L	99
38) Bromodichloromethane	7.14	83	180112	4.956	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	185607	4.729	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	905314	48.637	ug/L	100
42) Toluene	8.00	91	556855	5.007	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	161395	4.959	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	101805	5.153	ug/L	98
47) Tetrachloroethene	8.58	164	97105	4.869	ug/L	99
48) 2-Hexanone	8.73	43	693221	50.586	ug/L	98
49) Dibromochloromethane	8.84	129	118371	5.079	ug/L	100
50) 1,2-Dibromoethane	8.96	107	93113	5.151	ug/L	98
51) Chlorobenzene	9.48	112	326549	4.741	ug/L	98
52) Ethylbenzene	9.60	91	526412	4.578	ug/L	99
53) m,p-Xylene	9.72	106	197170	4.864	ug/L	99
54) o-Xylene	10.13	106	187190	4.755	ug/L	97
55) Styrene	10.14	104	331772	5.081	ug/L	98
56) Isopropylbenzene	10.51	105	498348	4.792	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	136415	4.990	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	97183	4.930	ug/L	99
61) Bromoform	10.32	173	65658	4.765	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	241900	4.915	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	240530	4.964	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	235071	5.006	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	18339	4.720	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	159481	5.392	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	78270	4.605	ug/L	100
69) Naphthalene	14.11	128	70259	2.935	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	77524	4.690	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.723 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

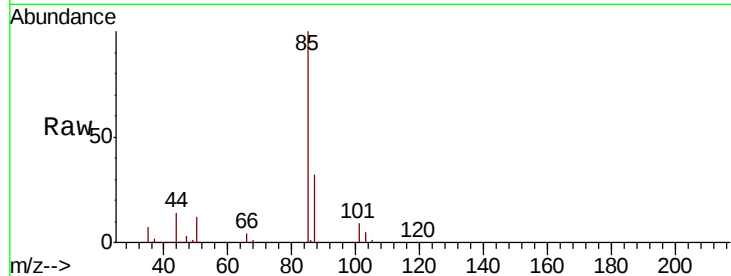
ClientSampleId :

Tot Ion: 85 Resp: 143398

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU035860.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035860.D (-9) (-)

1.39

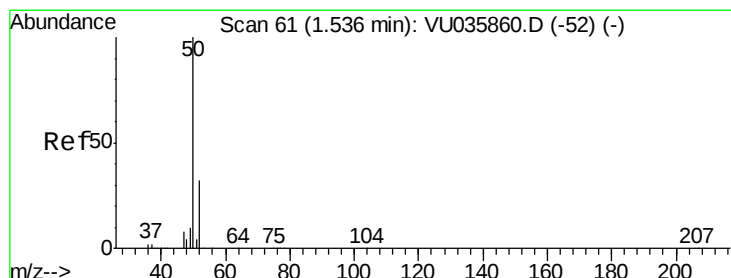
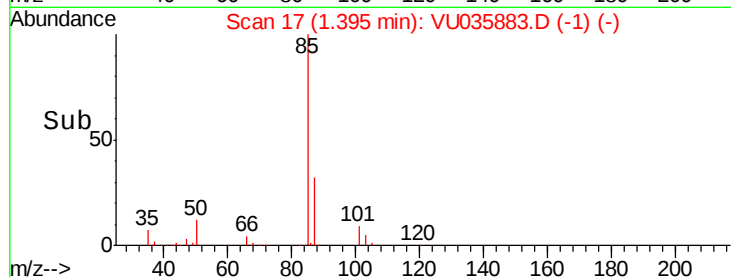
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.765 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035883.D

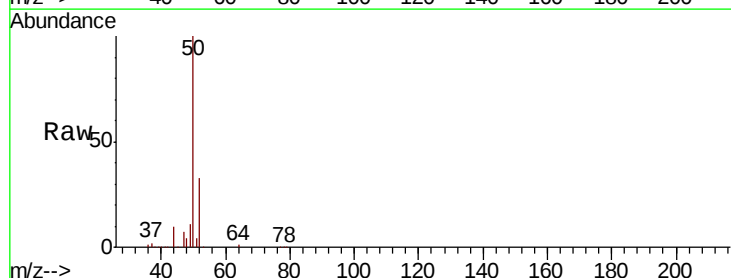
Acq: 27 Nov 2019 09:10

Tgt Ion: 50 Resp: 178124

Ion Ratio Lower Upper

50 100

52 33.2 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035860.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035860.D (-52) (-)

1.54

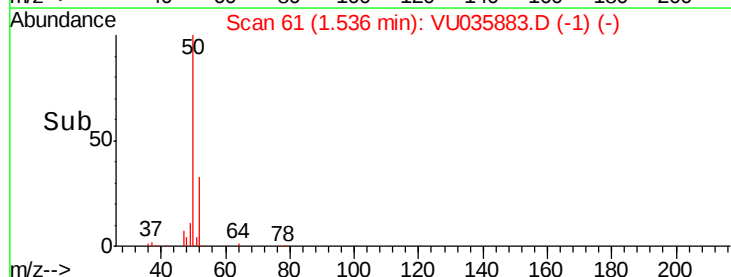
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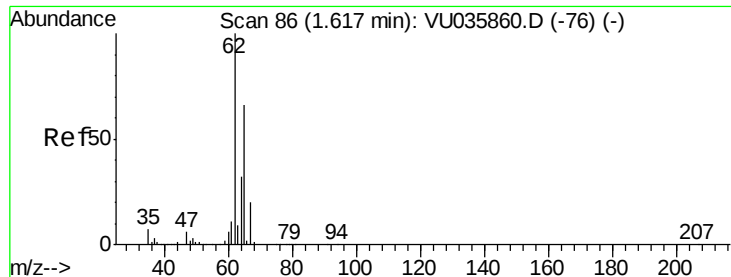
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.895 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

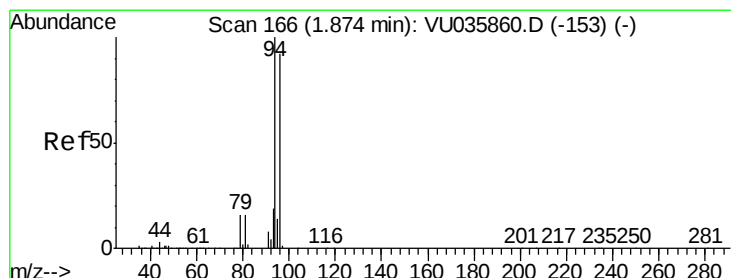
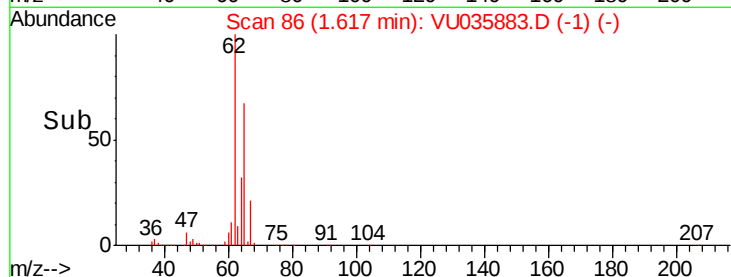
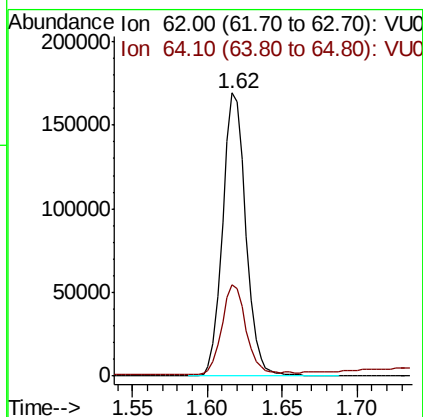
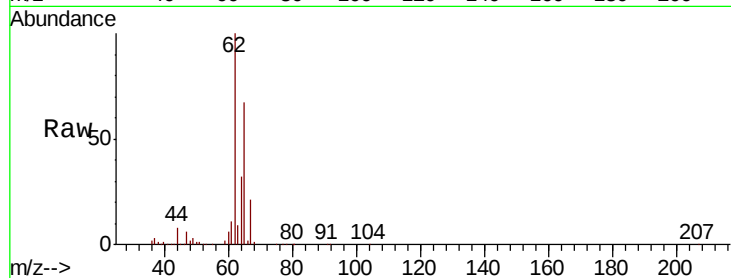
ClientSampleId :

Tot Ion: 62 Resp: 183156

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.9



#6

Bromomethane

Concen: 5.303 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035883.D

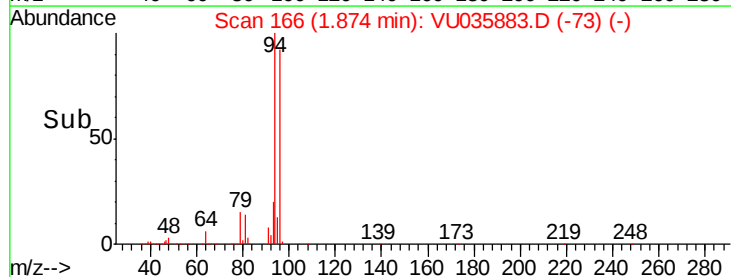
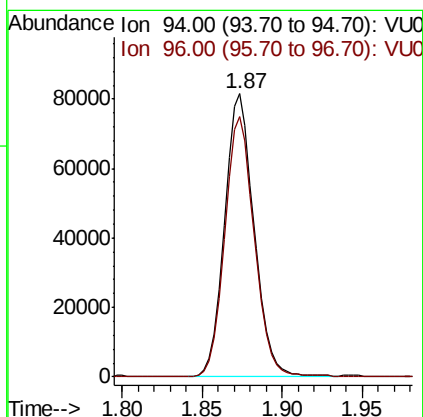
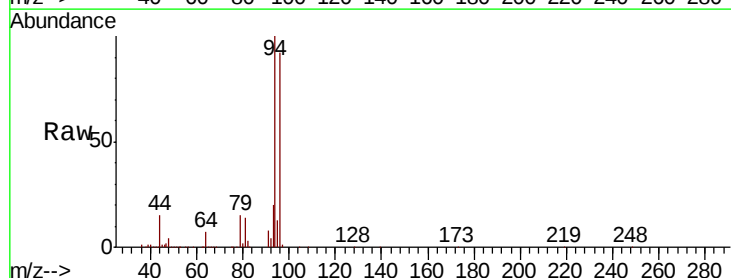
Acq: 27 Nov 2019 09:10

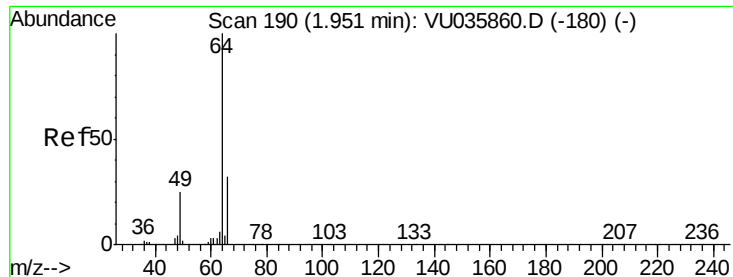
Tgt Ion: 94 Resp: 101992

Ion Ratio Lower Upper

94 100

96 92.2 66.5 123.5





#8

Chloroethane

Concen: 5.243 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

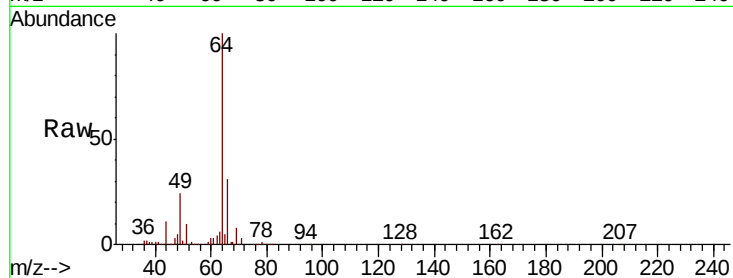
ClientSampleId :

Tot Ion: 64 Resp: 113506

Ion Ratio Lower Upper

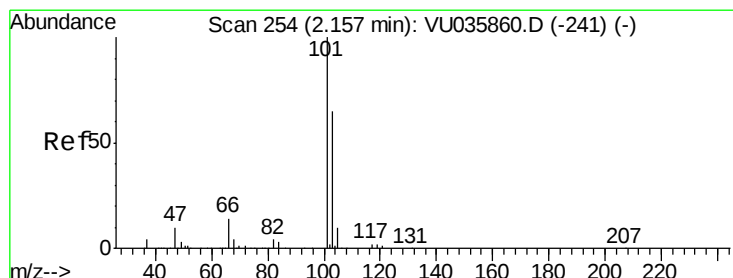
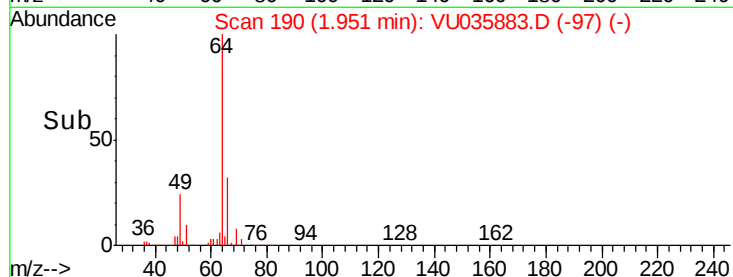
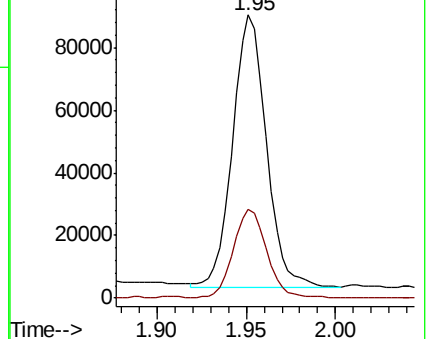
64 100

66 31.4 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035860.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU035860.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 5.066 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035883.D

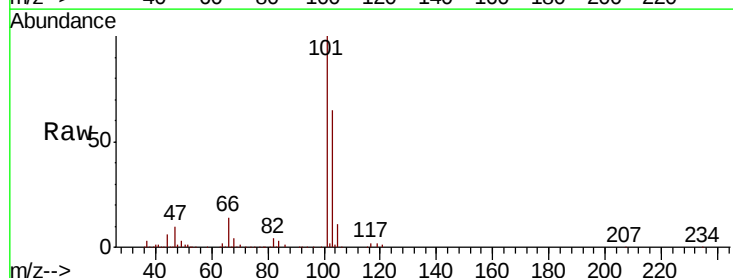
Acq: 27 Nov 2019 09:10

Tgt Ion: 101 Resp: 220121

Ion Ratio Lower Upper

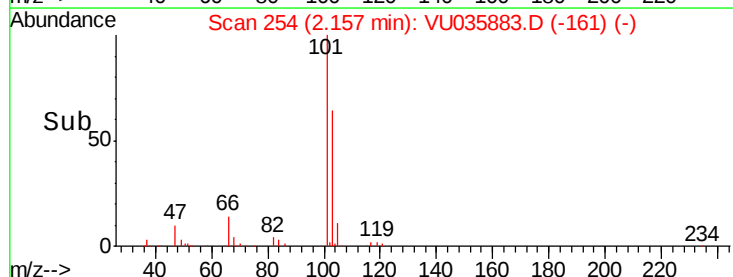
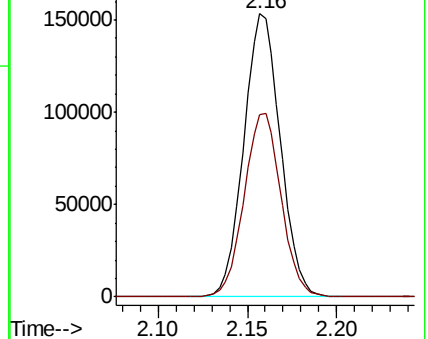
101 100

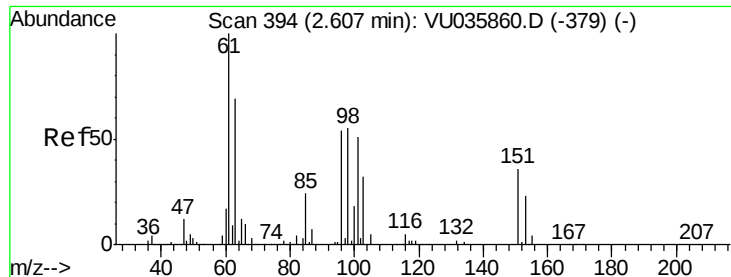
103 65.6 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035860.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU035860.D (-241) (-)





#10

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

Concen: 5.006 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampleId :

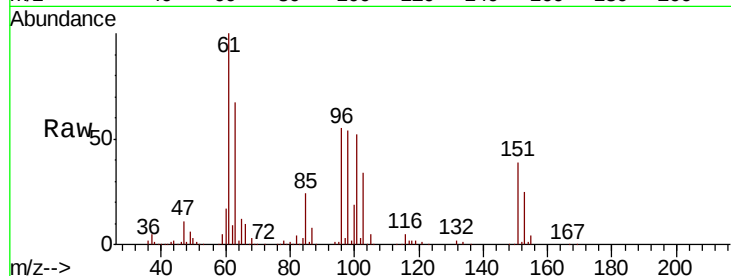
Tot Ion:101 Resp: 123547

Ion Ratio Lower Upper

101 100

85 45.6 38.1 57.1

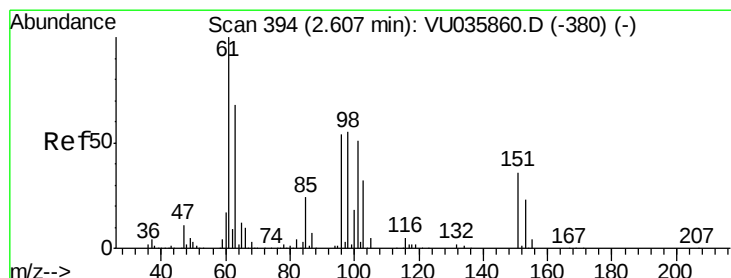
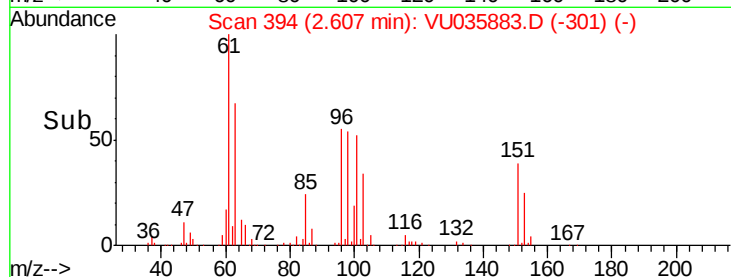
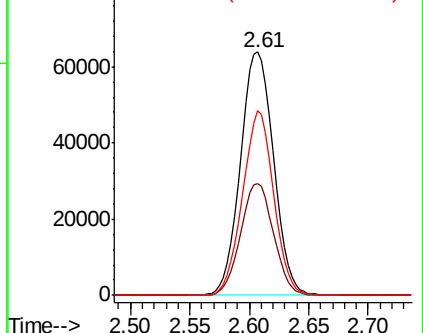
151 71.1 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.726 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

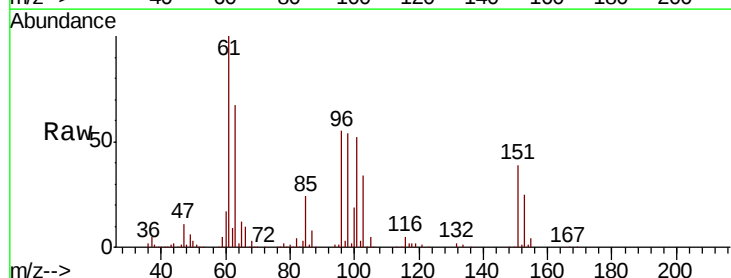
Tgt Ion: 96 Resp: 110197

Ion Ratio Lower Upper

96 100

61 182.8 139.3 258.7

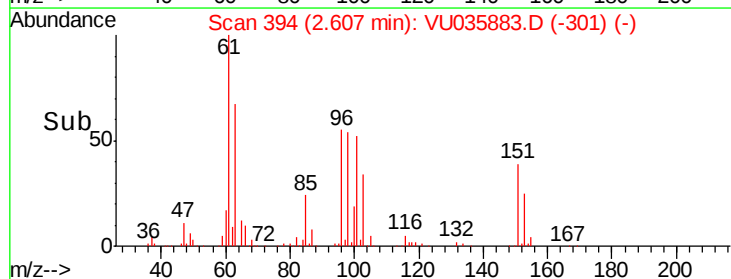
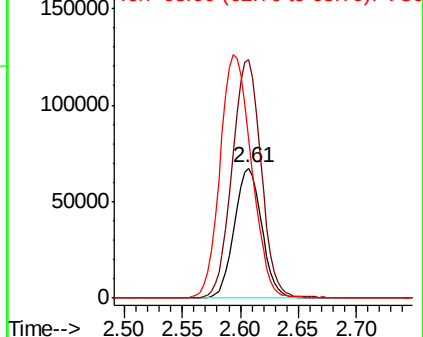
63 122.0 93.7 174.1

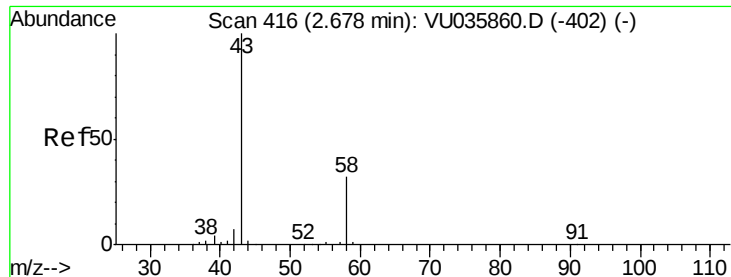


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 40.600 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

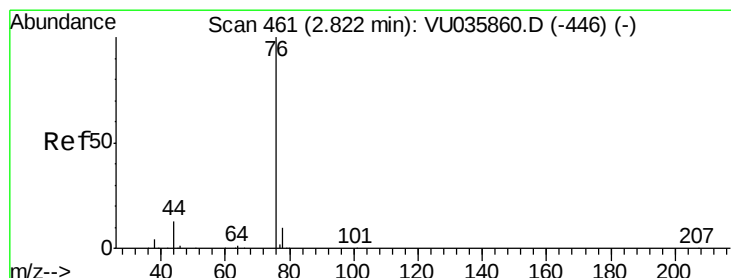
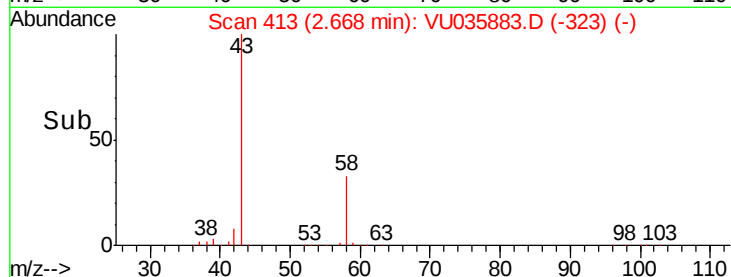
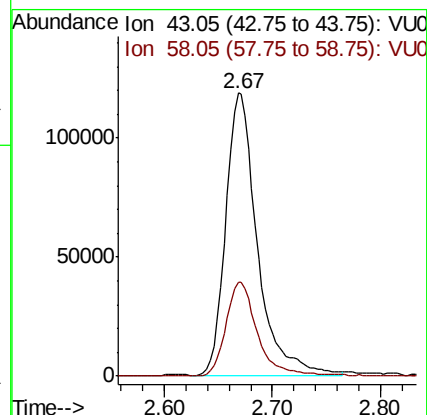
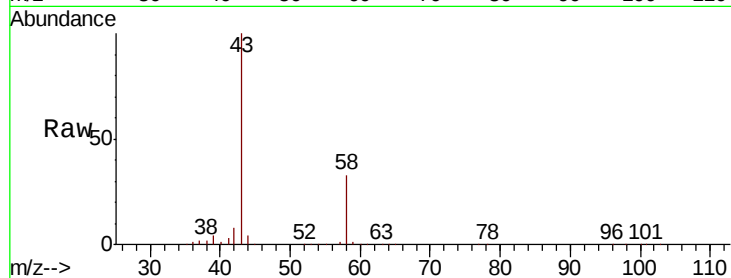
ClientSampleId :

Tot Ion: 43 Resp: 241561

Ion Ratio Lower Upper

43 100

58 32.8 0.0 61.2



#14

Carbon disulfide

Concen: 4.394 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035883.D

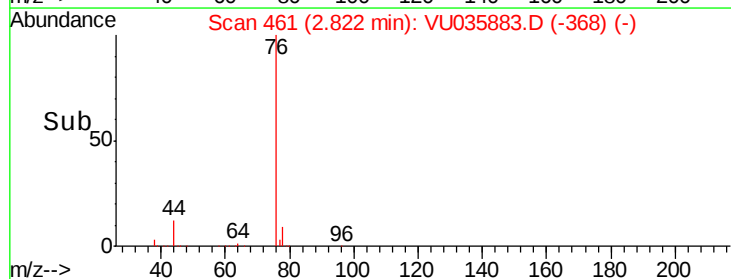
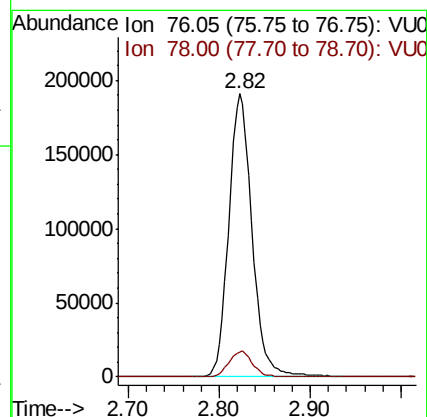
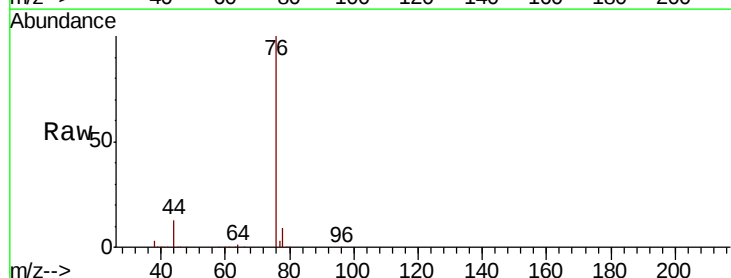
Acq: 27 Nov 2019 09:10

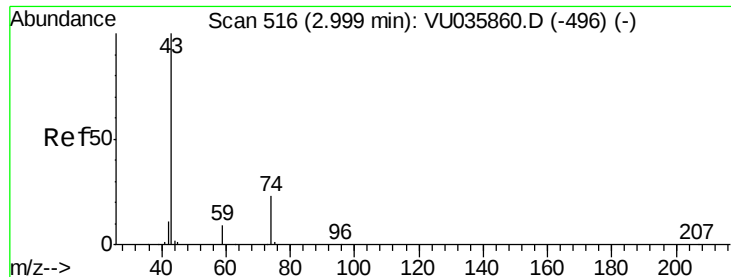
Tgt Ion: 76 Resp: 340250

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

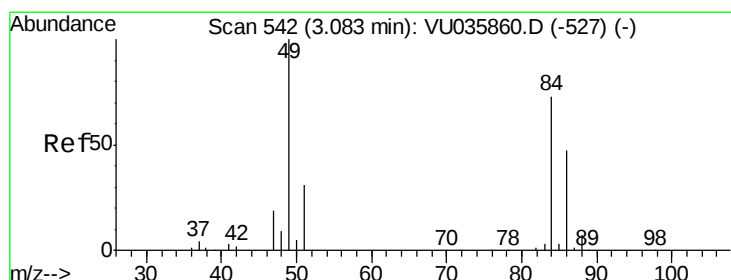
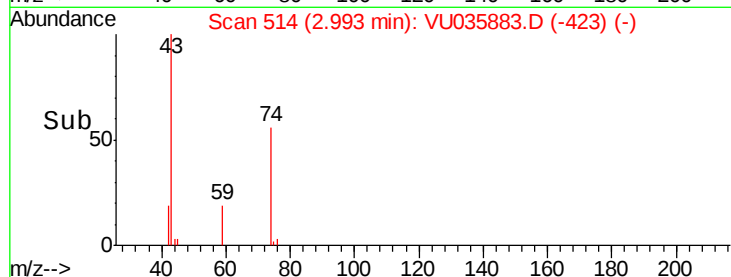
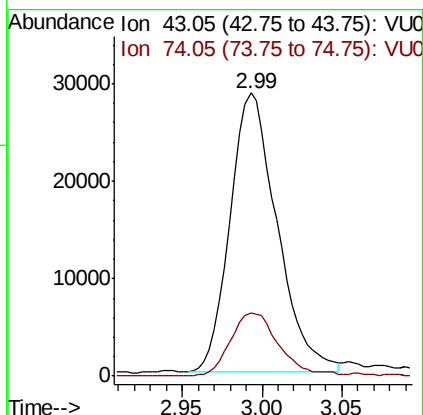
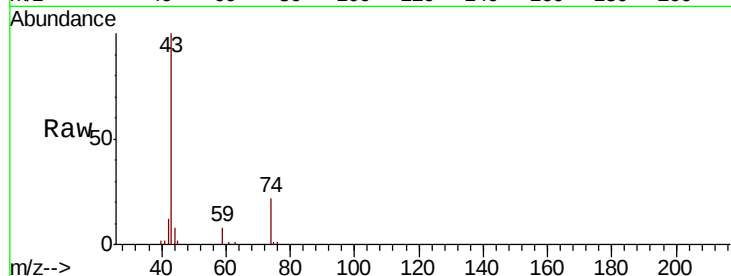




#15
Methvl Acetate
Concen: 4.835 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

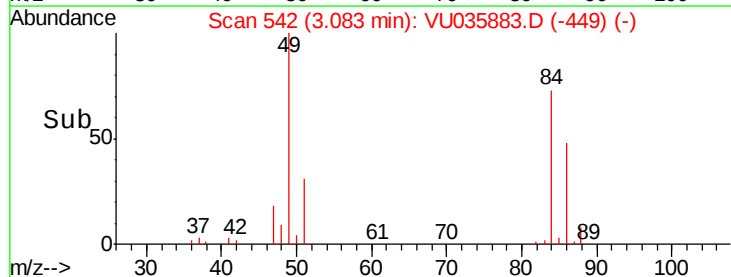
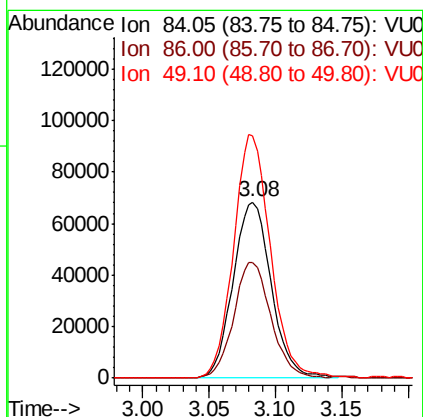
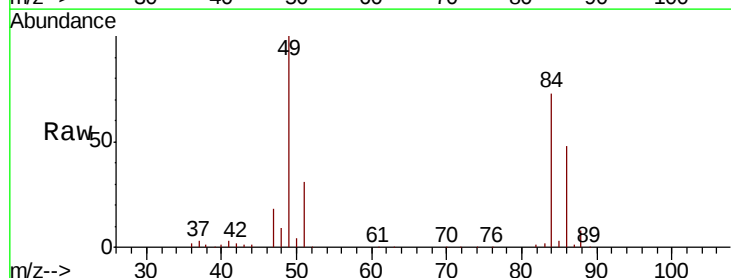
Instrument :
MSVOA_U
ClientSampleId :

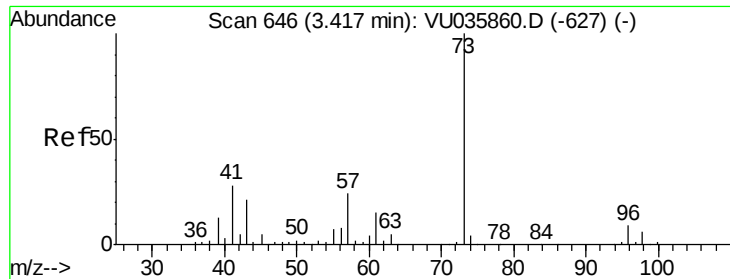
Tot Ion: 43 Resp: 57671
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 4.842 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Tgt Ion: 84 Resp: 136399
Ion Ratio Lower Upper
84 100
86 65.7 44.4 82.5
49 137.5 94.0 174.6

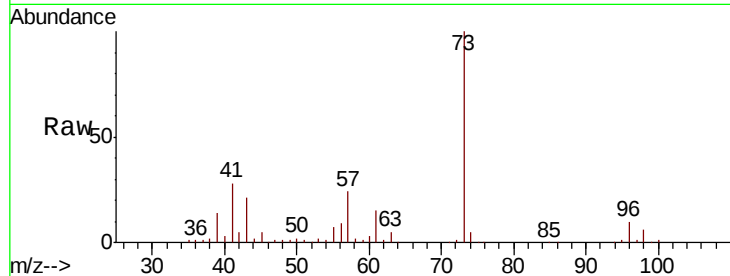




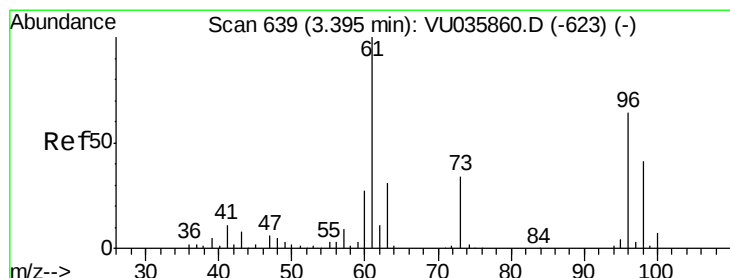
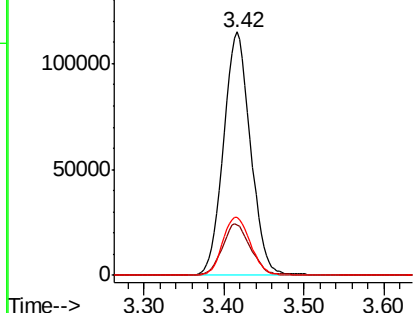
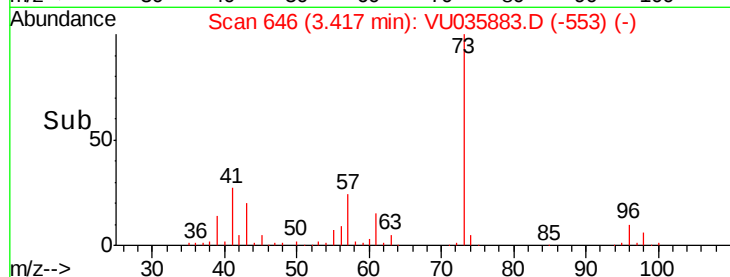
#17
Methvl tert-butvl Ether
Concen: 4.726 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 266594
Ion Ratio Lower Upper
73 100
43 21.8 17.4 26.2
57 24.7 19.4 29.0

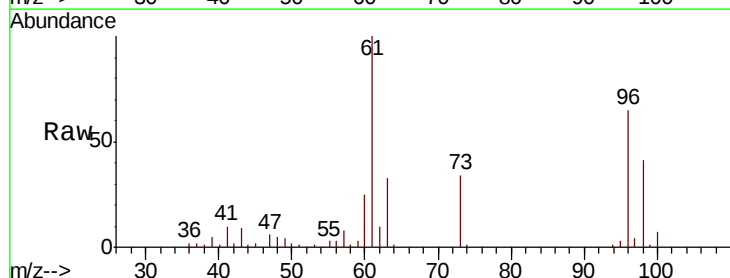


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

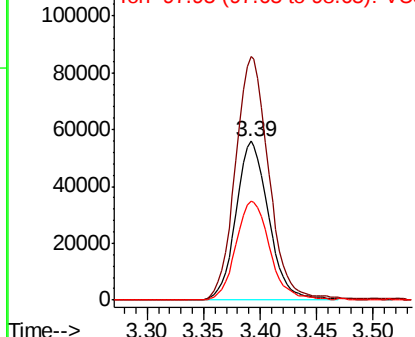
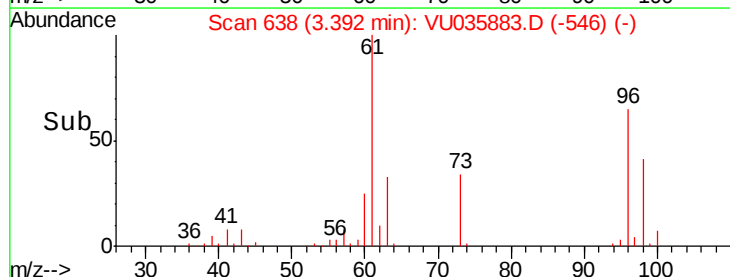


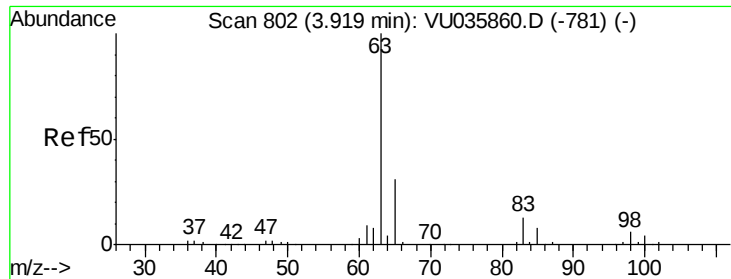
#18
trans-1,2-Dichloroethene
Concen: 4.909 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Tgt Ion: 96 Resp: 112695
Ion Ratio Lower Upper
96 100
61 153.6 111.1 206.3
98 62.6 43.1 80.1



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

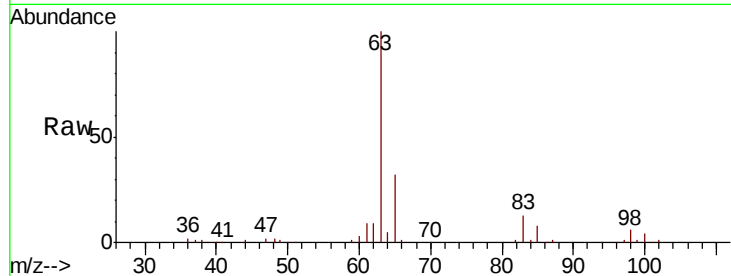




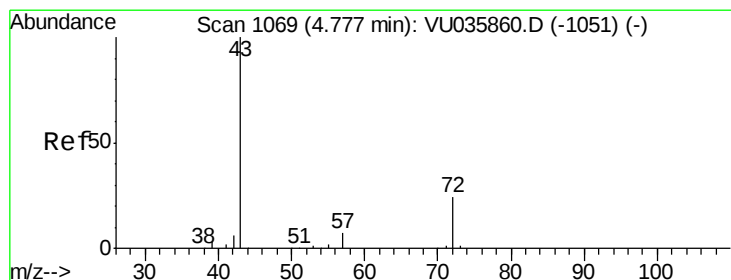
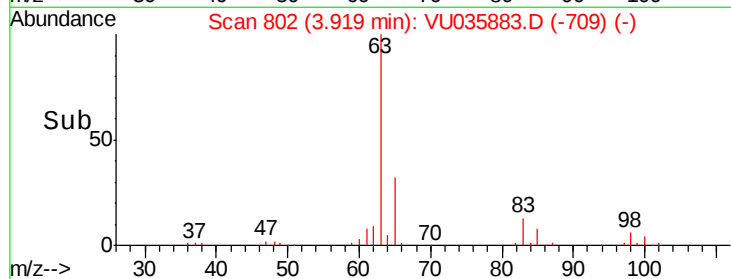
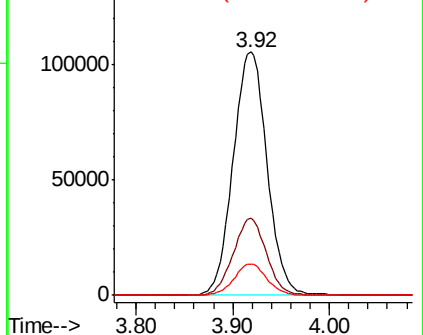
#19
 1,1-Dichloroethane
 Concen: 4.979 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 256837
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.8 40.4
 83 13.0 8.6 16.0

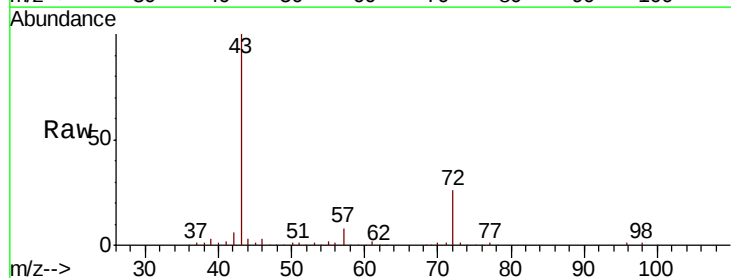


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

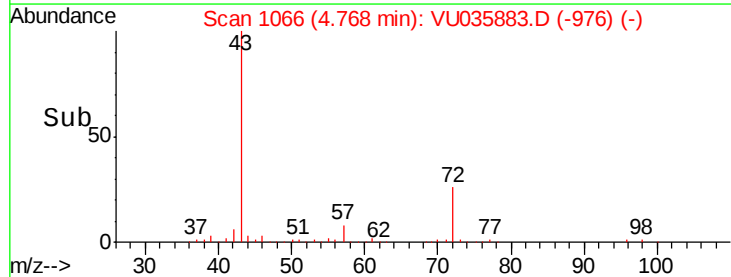
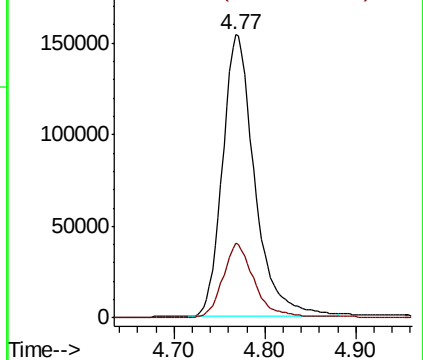


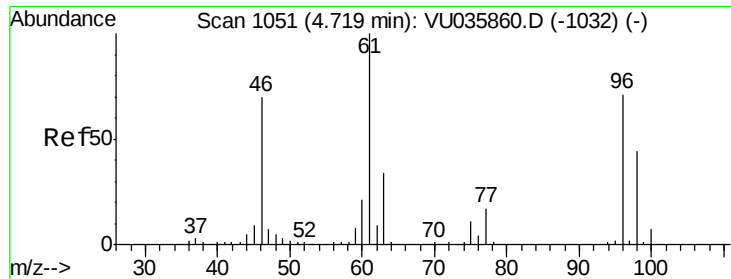
#21
 2-Butanone
 Concen: 50.334 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Tgt Ion: 43 Resp: 378954
 Ion Ratio Lower Upper
 43 100
 72 26.0 12.4 37.4



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: 4.998 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :
MSVOA_U
ClientSampled :

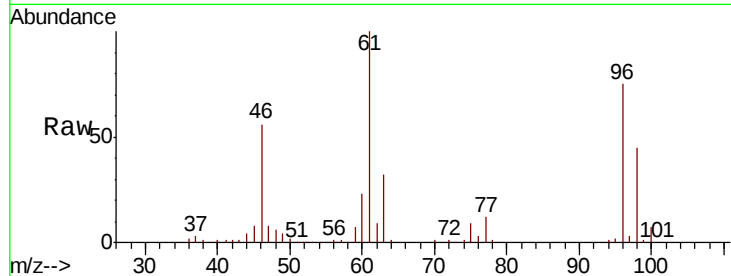
Tot Ion: 96 Resp: 127863

Ion Ratio Lower Upper

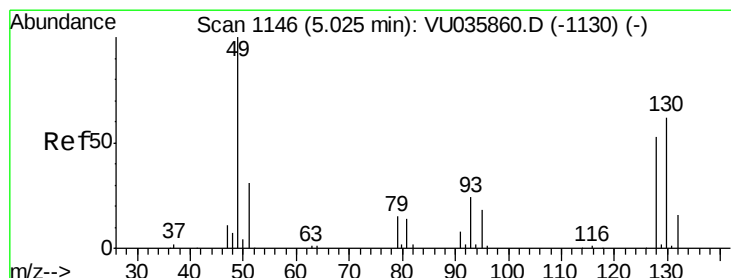
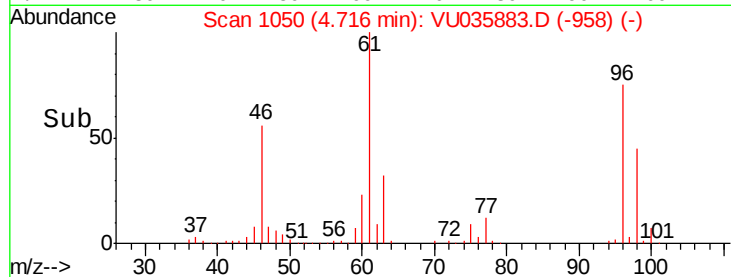
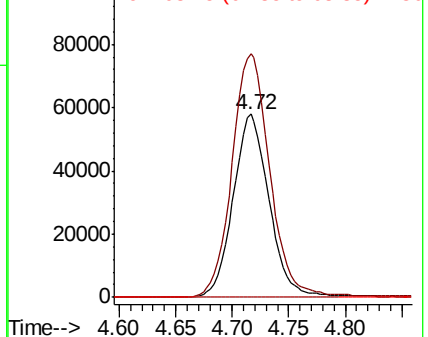
96 100

61 132.8 98.1 182.1

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 5.280 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Tgt Ion: 128 Resp: 58851

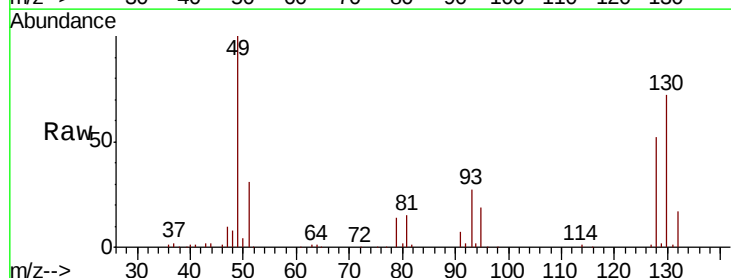
Ion Ratio Lower Upper

128 100

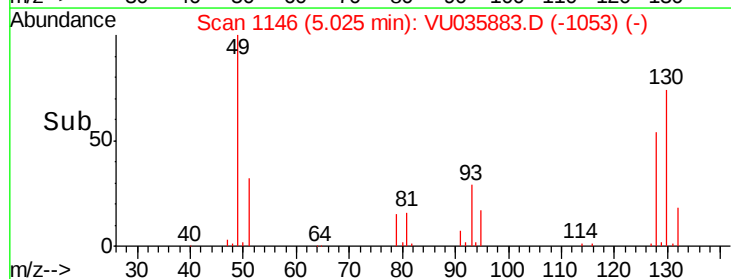
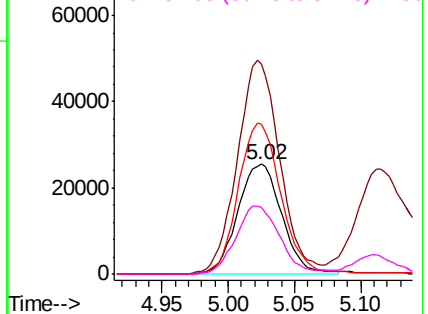
49 191.3 133.8 248.6

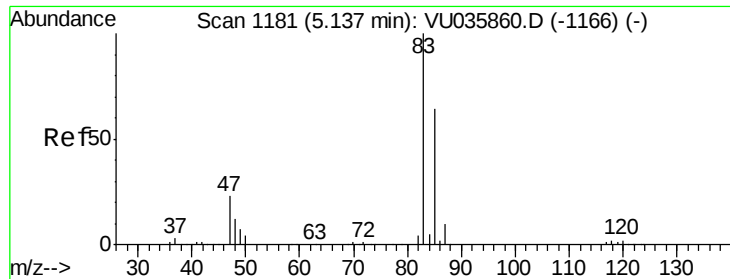
130 137.0 91.1 169.1

51 60.2 46.5 69.7



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

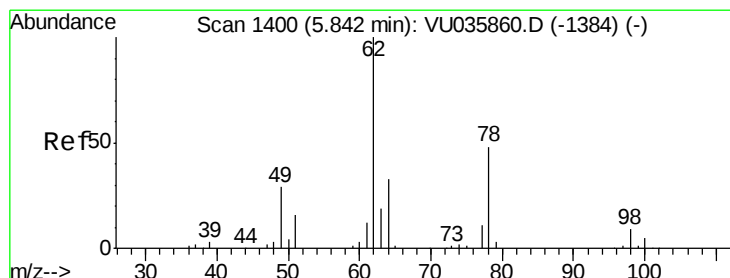
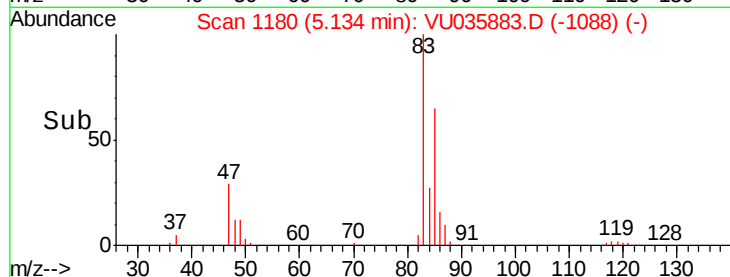
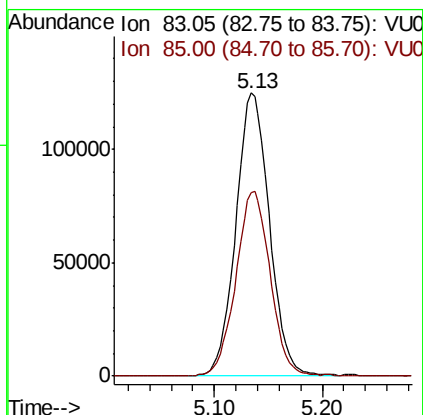
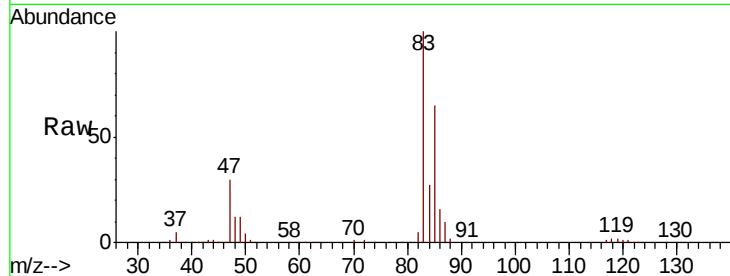




#25
Chloroform
Concen: 5.400 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

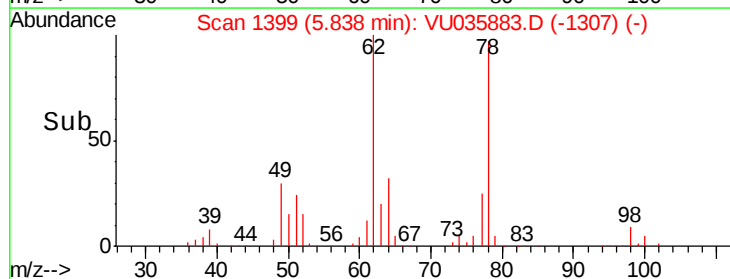
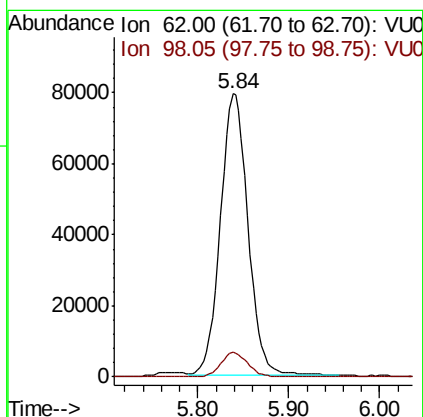
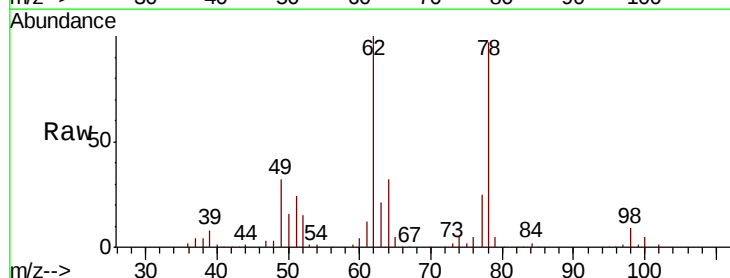
Instrument :
MSVOA_U
ClientSampled :

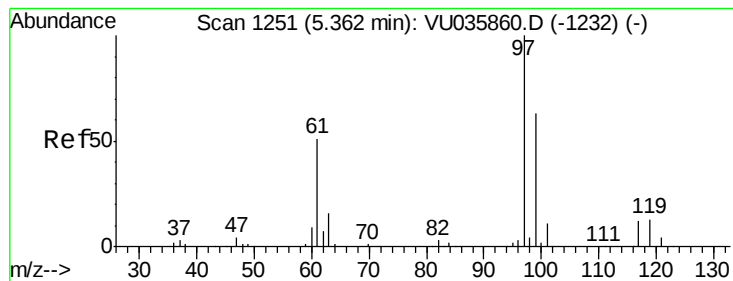
Tot Ion: 83 Resp: 271044
Ion Ratio Lower Upper
83 100
85 65.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.085 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Tgt Ion: 62 Resp: 167870
Ion Ratio Lower Upper
62 100
98 8.6 6.2 9.4





#29

1,1,1-Trichloroethane

Concen: 5.012 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampled :

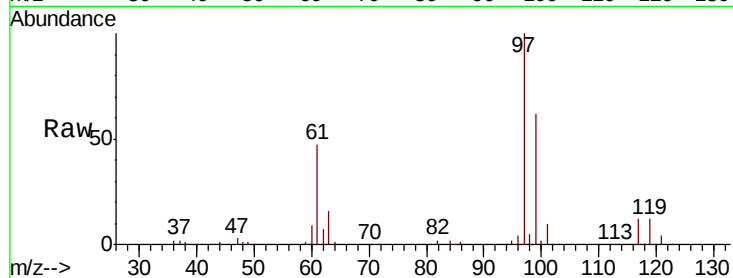
Tot Ion: 97 Resp: 207270

Ion Ratio Lower Upper

97 100

99 62.8 51.9 77.9

61 48.2 40.3 60.5

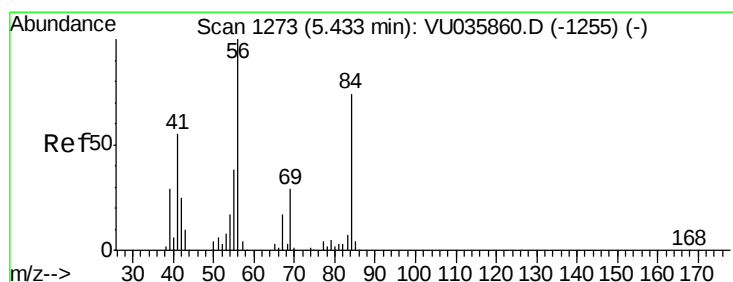
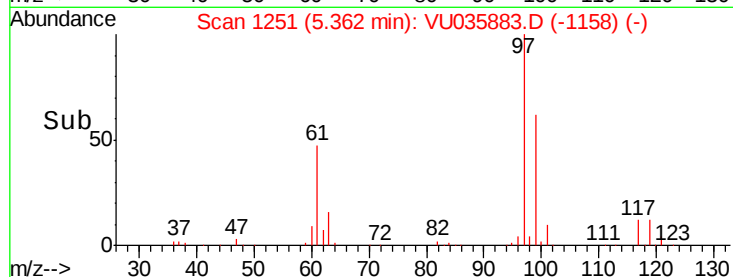
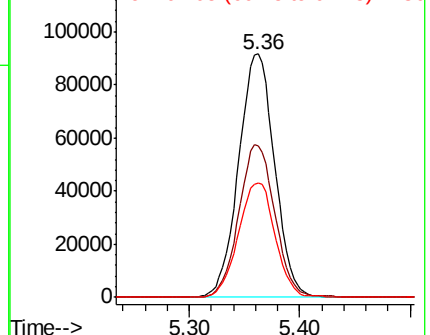


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.434 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

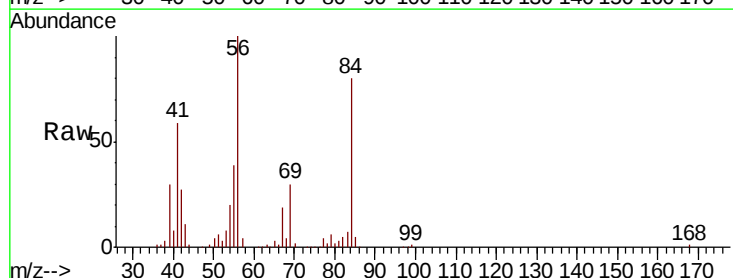
Tgt Ion: 56 Resp: 179203

Ion Ratio Lower Upper

56 100

69 29.8 24.0 36.0

84 79.4 62.1 93.1

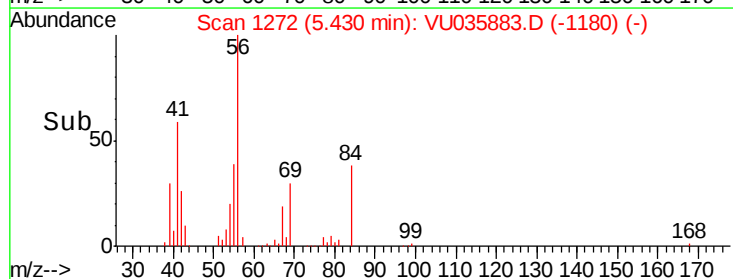
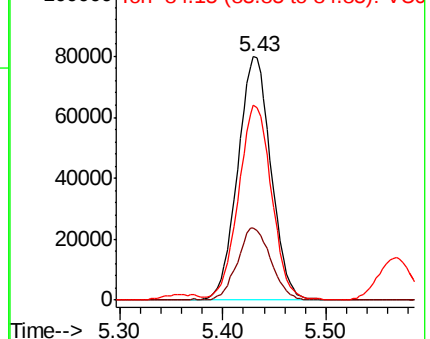


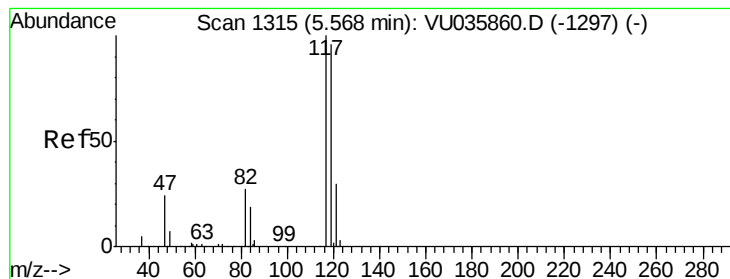
Abundance

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: 4.899 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

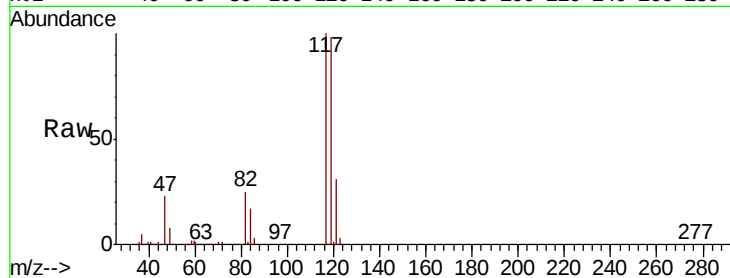
ClientSampleId :

Tot Ion:117 Resp: 175454

Ion Ratio Lower Upper

117 100

119 98.0 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

80000

60000

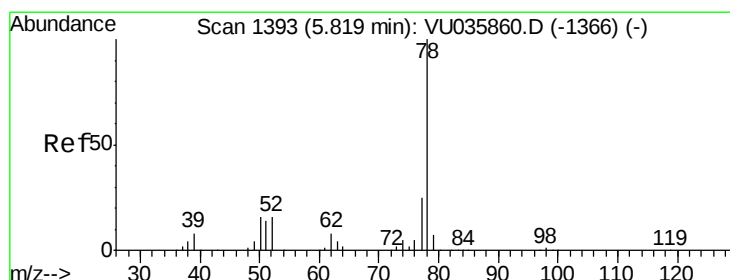
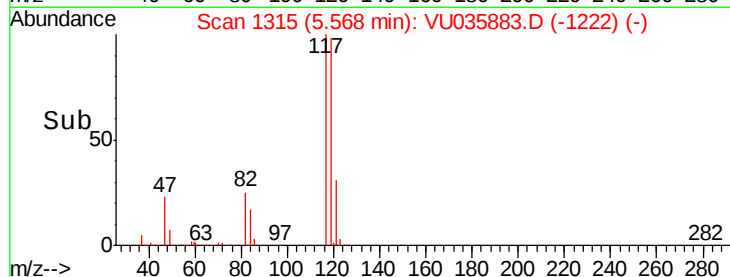
40000

20000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 5.040 ug/L

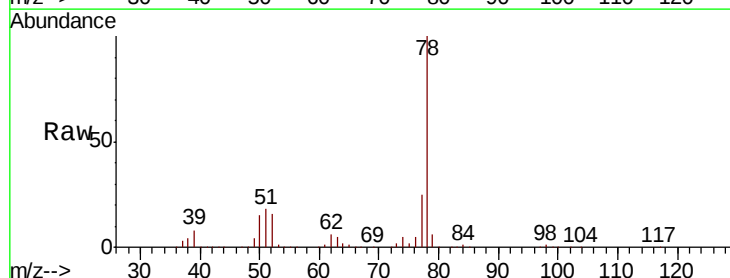
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Tgt Ion: 78 Resp: 538740



Abundance Ion 78.10 (77.80 to 78.80): VU0

300000

250000

200000

150000

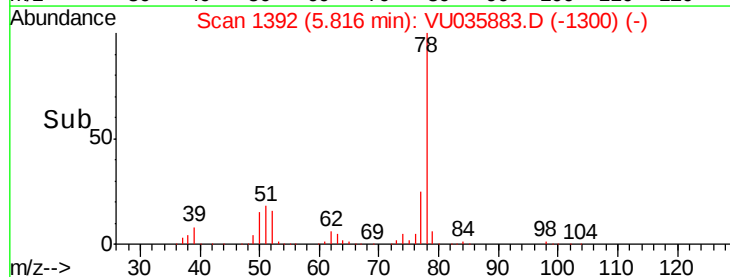
100000

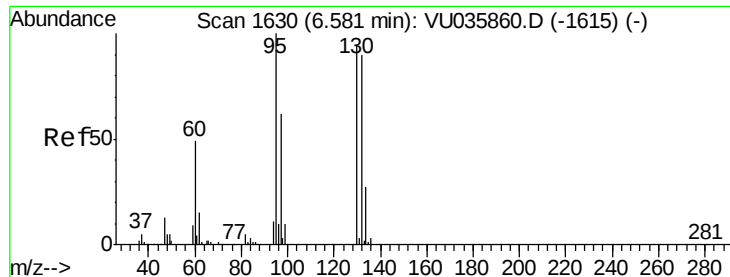
50000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 4.808 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 126017

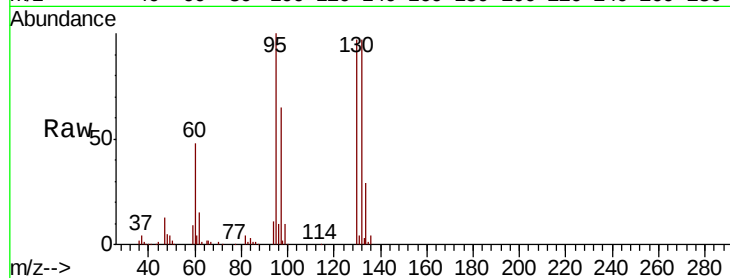
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 96.8 61.9 114.9

130 96.8 66.3 123.1

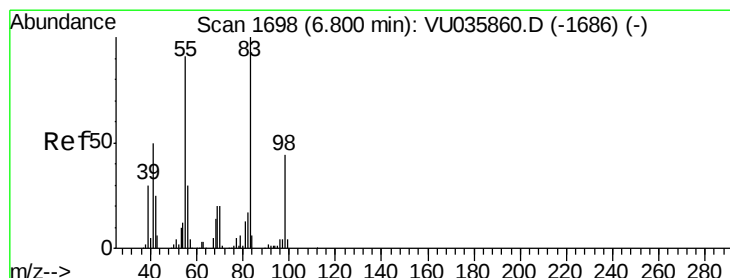
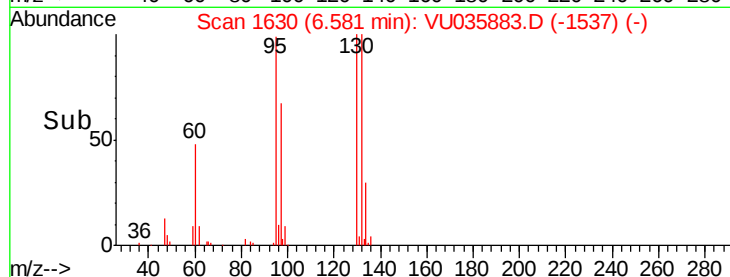
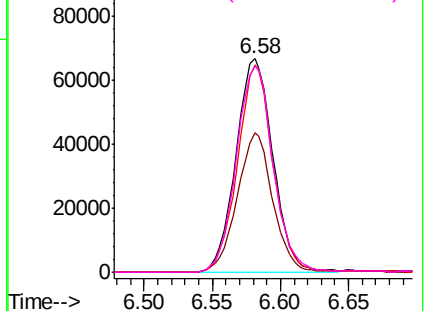


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.459 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

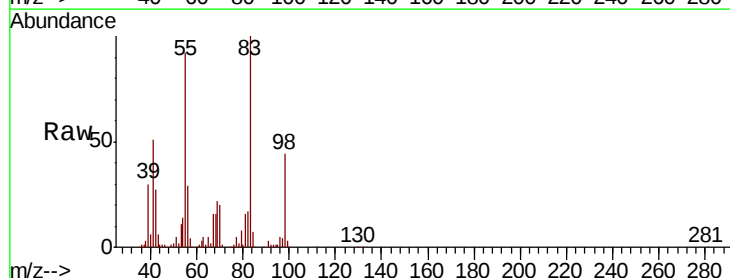
Tgt Ion: 83 Resp: 171512

Ion Ratio Lower Upper

83 100

55 92.1 72.7 109.1

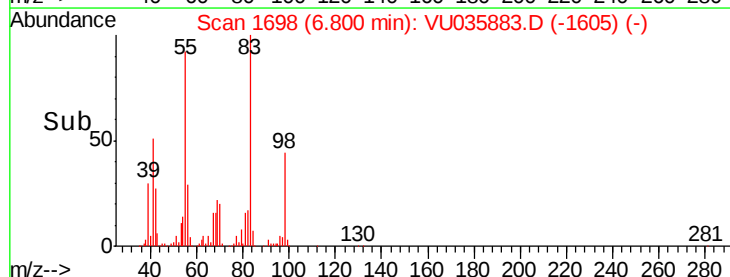
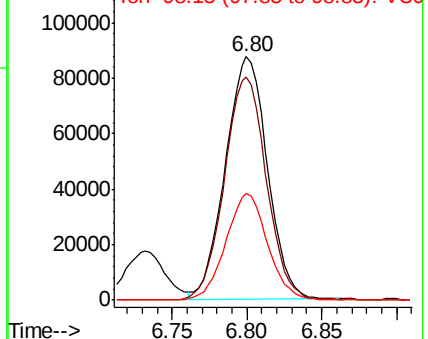
98 43.5 36.2 54.4

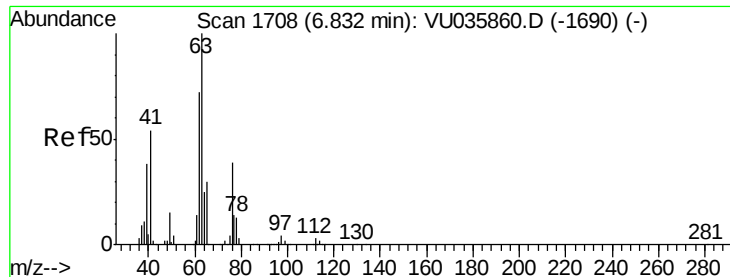


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.932 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

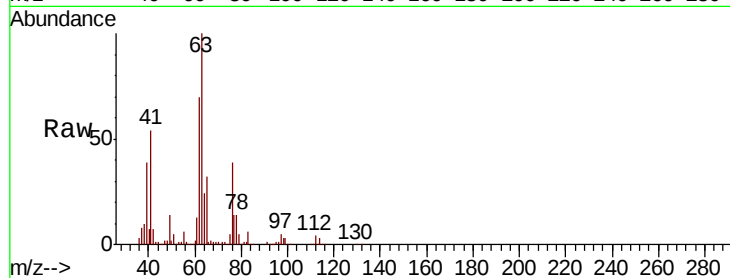
ClientSampleId :

Tot Ion: 63 Resp: 149544

Ion Ratio Lower Upper

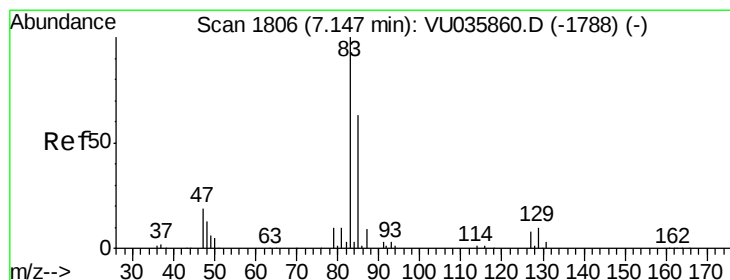
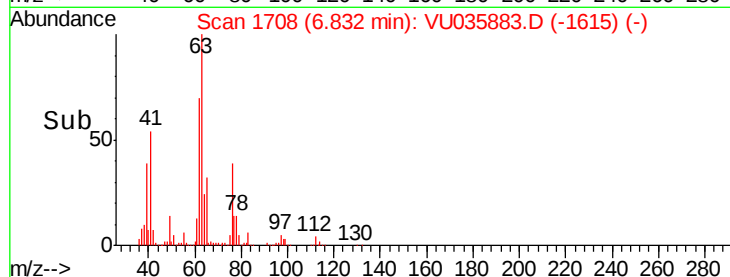
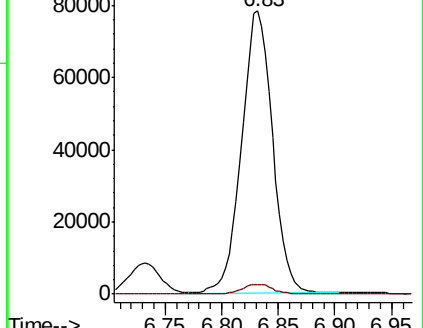
63 100

112 3.6 2.7 4.1



Abundance Ion 63.10 (62.80 to 63.80): VU035860.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035860.D (-1690) (-)



#38

Bromodichloromethane

Concen: 4.956 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

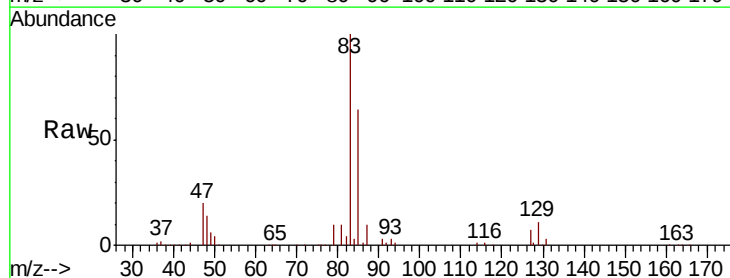
Tgt Ion: 83 Resp: 180112

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.8

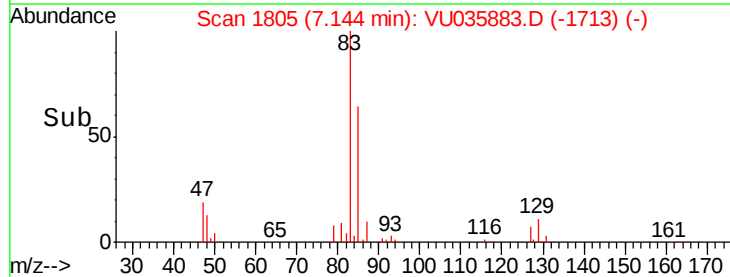
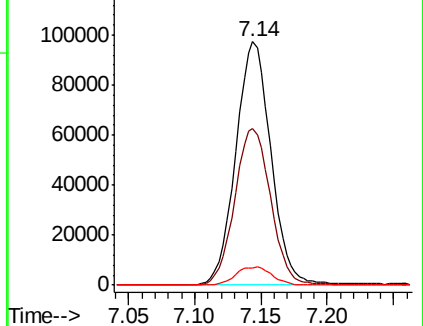
127 7.3 6.0 9.0

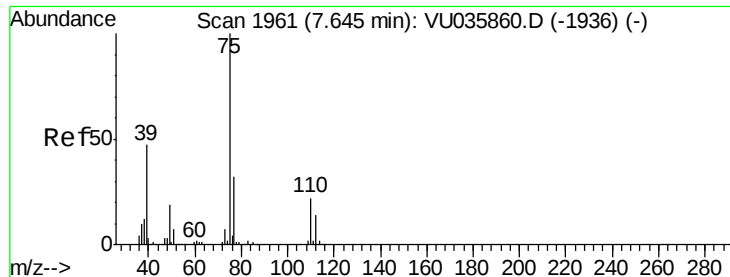


Abundance Ion 82.95 (82.65 to 83.65): VU035860.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU035860.D (-1788) (-)

Ion 126.90 (126.60 to 127.60): VU035860.D (-1788) (-)



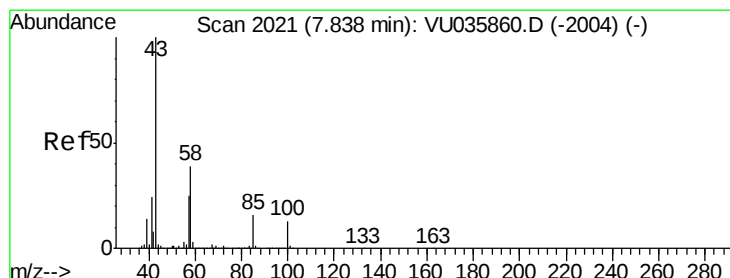
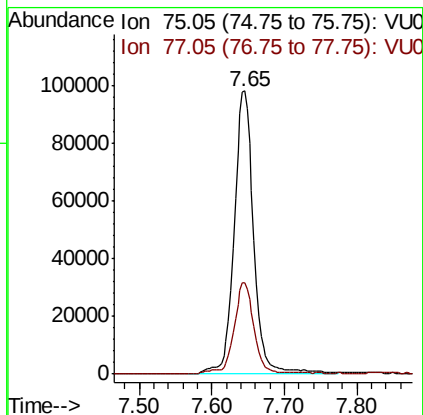
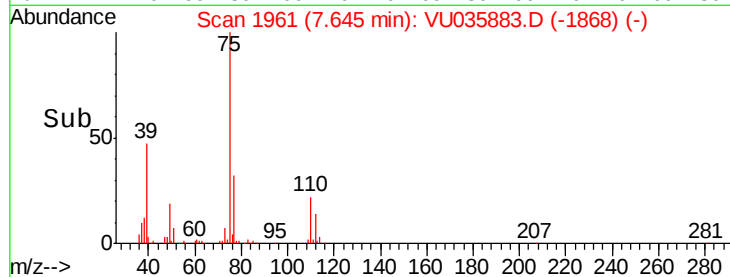
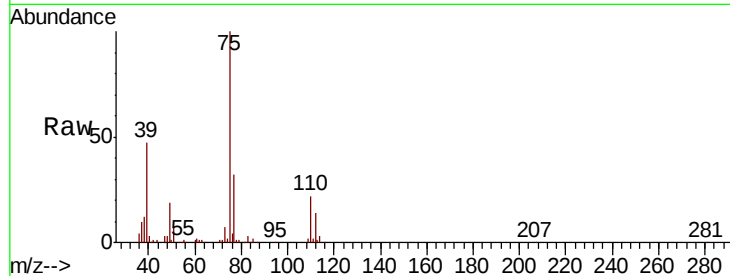


#39

cis-1,3-Dichloropropene
 Concen: 4.729 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Instrument :
 MSVOA_U
 ClientSampleId :

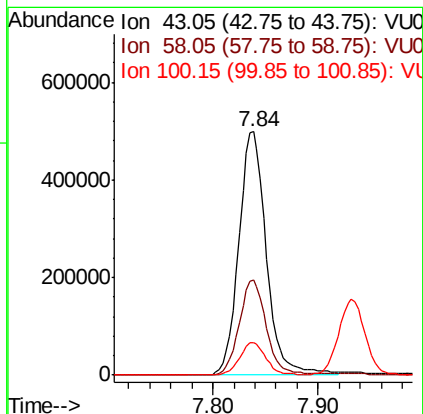
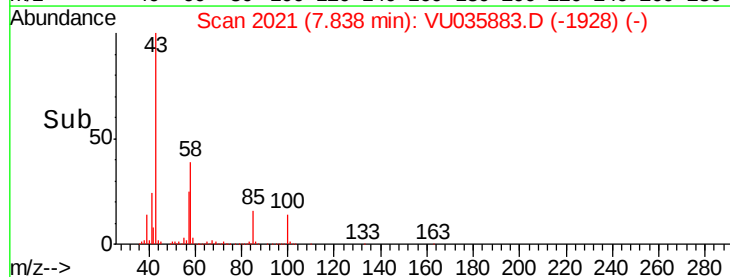
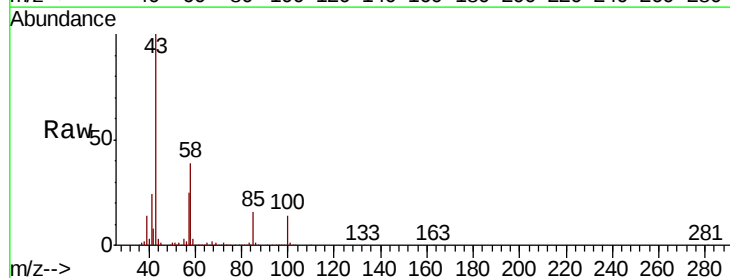
Tot Ion: 75 Resp: 185607
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.1 41.1

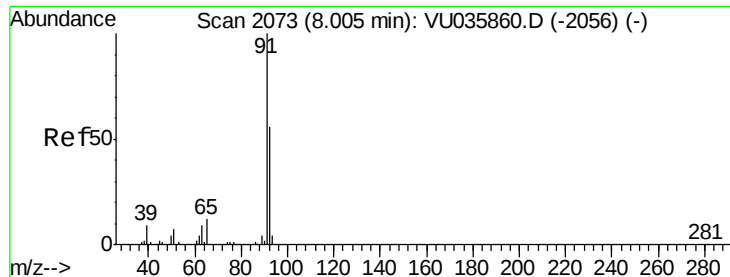


#40

4-Methyl-2-pentanone
 Concen: 48.637 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Tgt Ion: 43 Resp: 905314
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.8 46.2
 100 12.9 10.0 15.0





#42

Toluene

Concen: 5.007 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

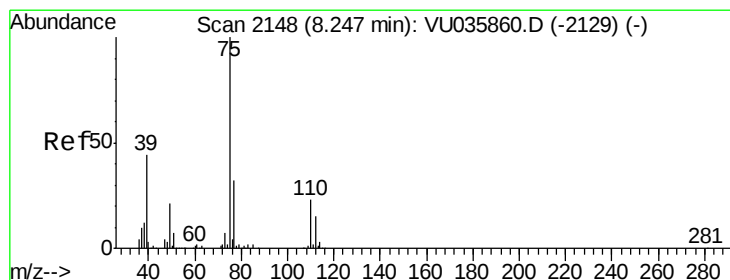
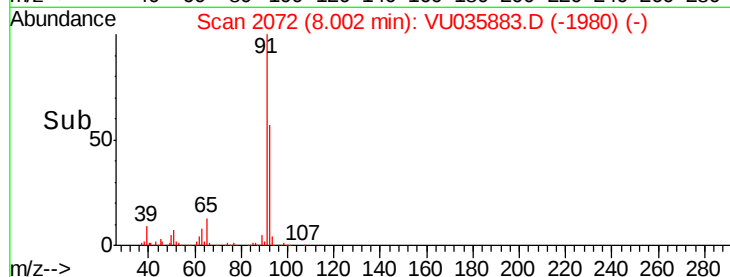
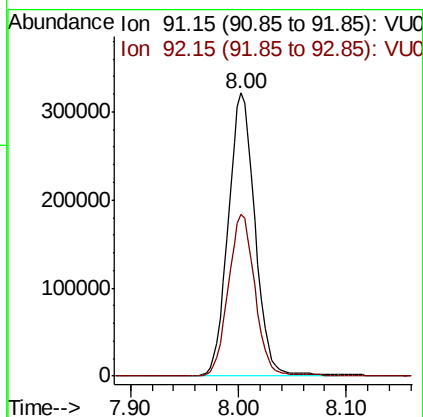
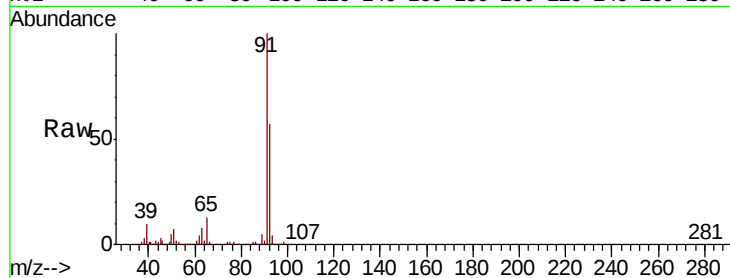
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 556855

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.959 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035883.D

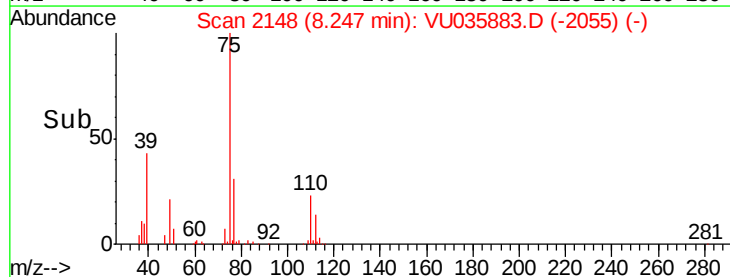
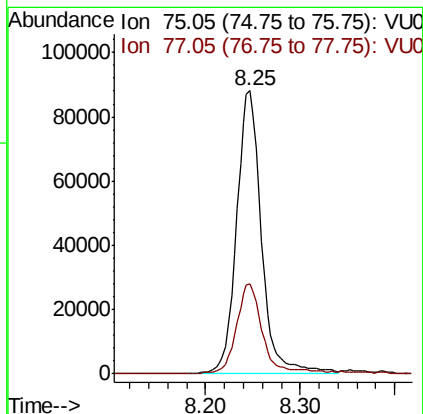
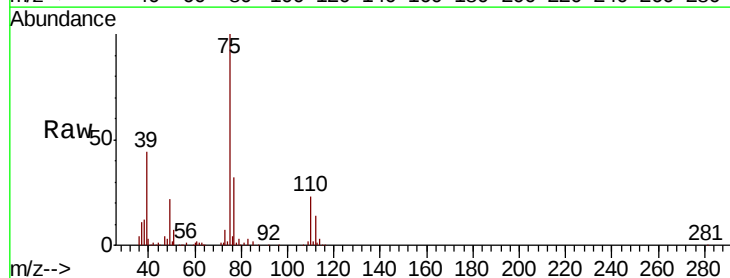
Acq: 27 Nov 2019 09:10

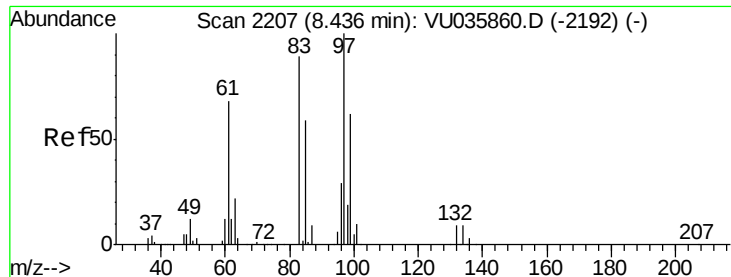
Tgt Ion: 75 Resp: 161395

Ion Ratio Lower Upper

75 100

77 31.8 22.7 42.1

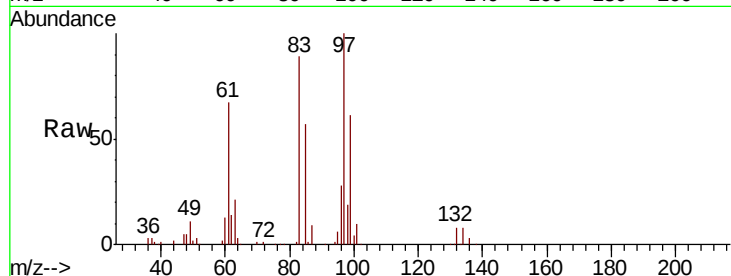




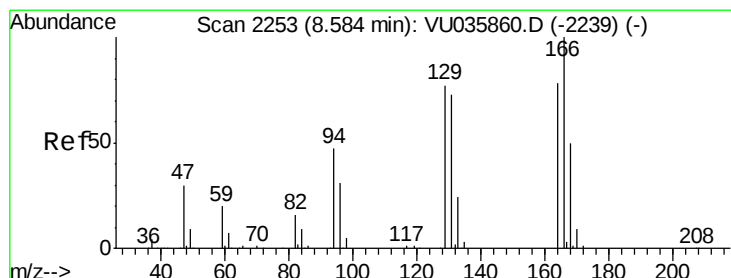
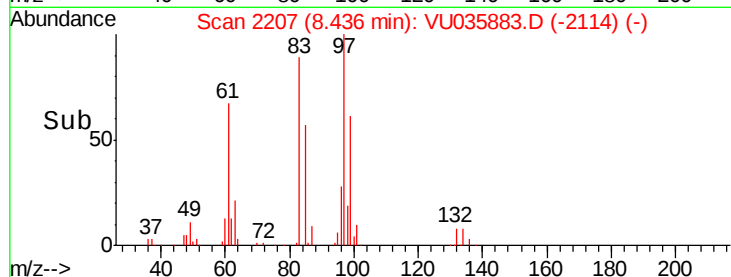
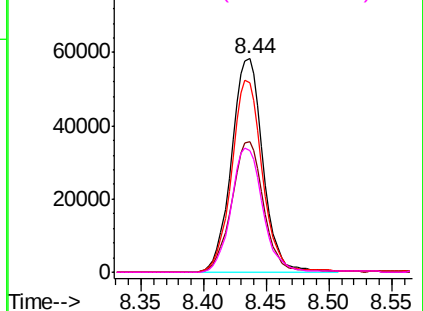
#45
 1,1,2-Trichloroethane
 Concen: 5.153 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	101805
Ion	Ratio	Lower	Upper
97	100		
99	60.9	44.2	82.0
83	88.7	62.2	115.6
85	56.8	41.5	77.1

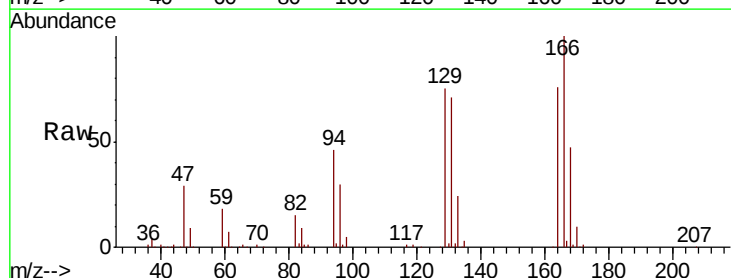


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

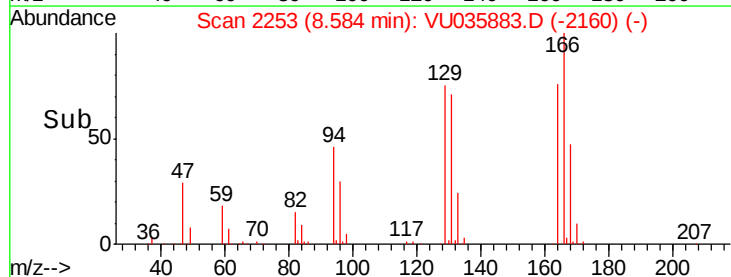
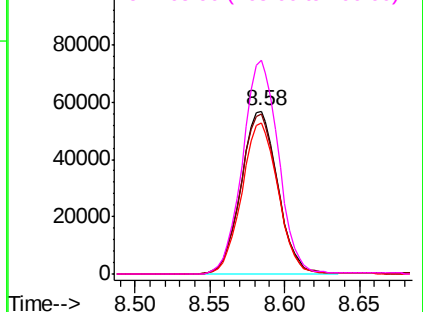


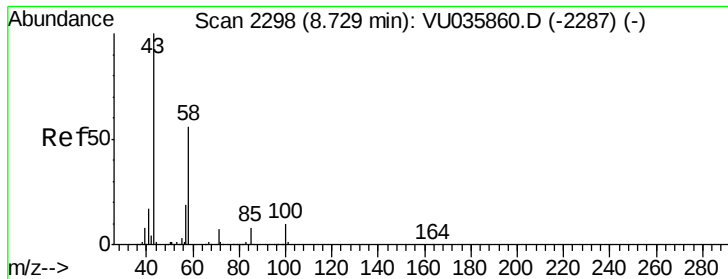
#47
 Tetrachloroethene
 Concen: 4.869 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Tgt Ion:	164	Resp:	97105
Ion	Ratio	Lower	Upper
164	100		
129	98.3	68.8	127.8
131	93.0	67.3	124.9
166	131.4	91.6	170.2



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

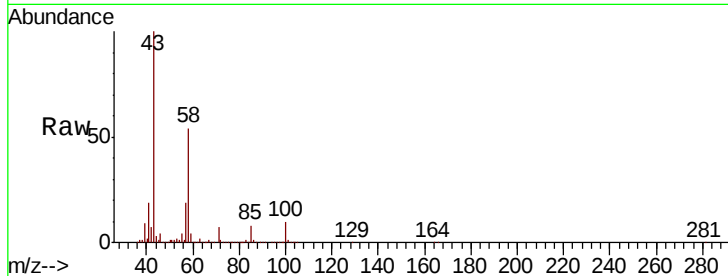




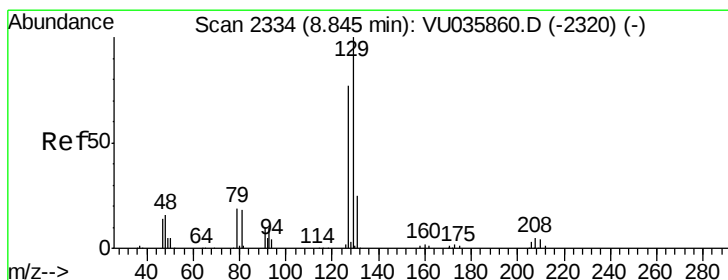
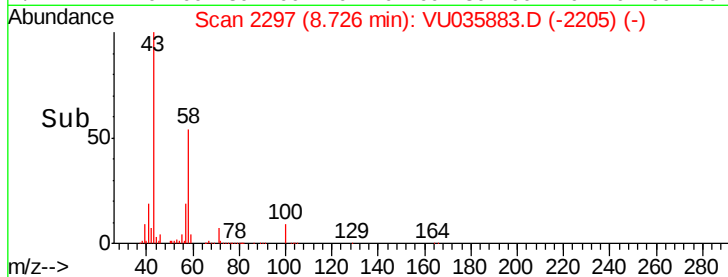
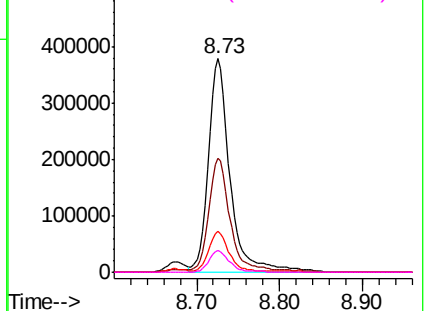
#48
2-Hexanone
Concen: 50.586 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 693221
Ion Ratio Lower Upper
43 100
58 51.1 39.8 59.8
57 17.8 14.0 21.0
100 9.5 7.2 10.8

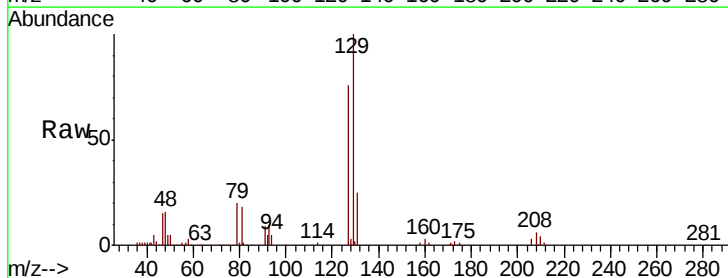


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

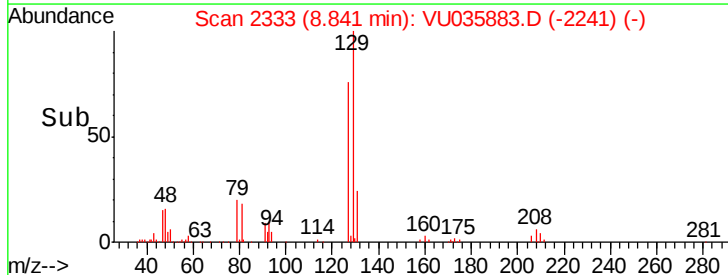
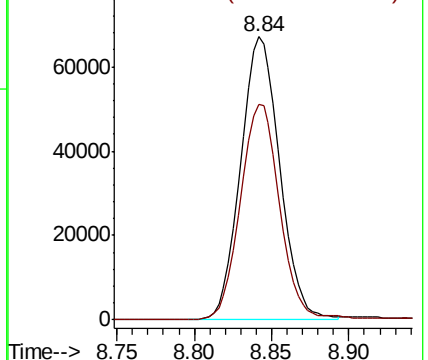


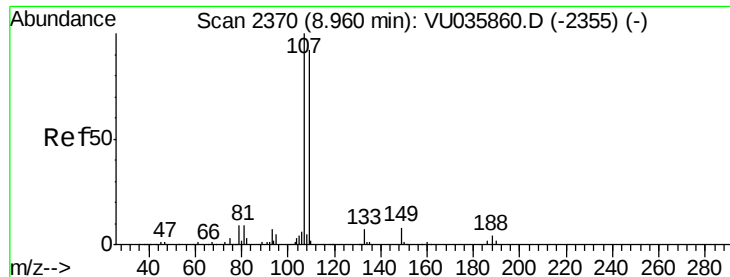
#49
Dibromochloromethane
Concen: 5.079 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Tgt Ion: 129 Resp: 118371
Ion Ratio Lower Upper
129 100
127 76.0 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

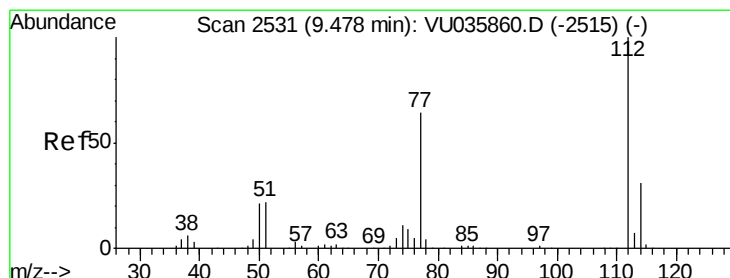
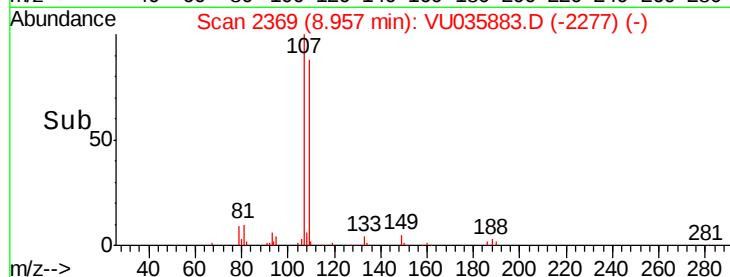
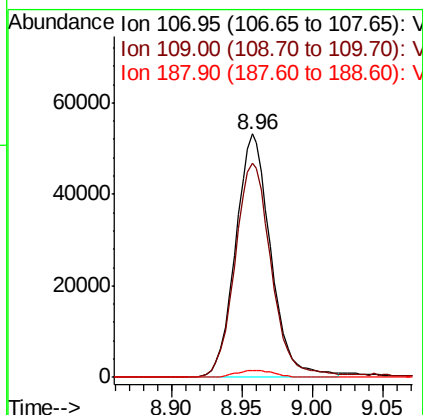
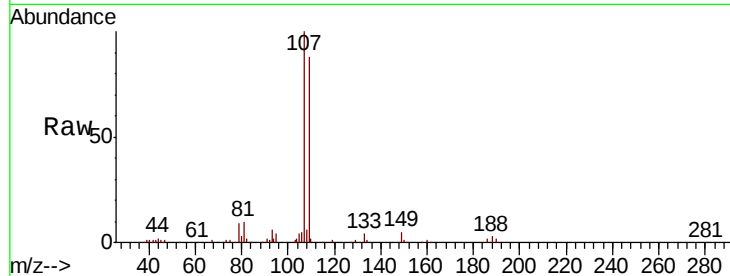




#50
 1,2-Dibromoethane
 Concen: 5.151 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

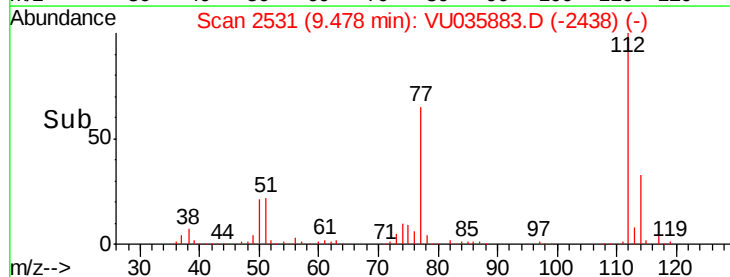
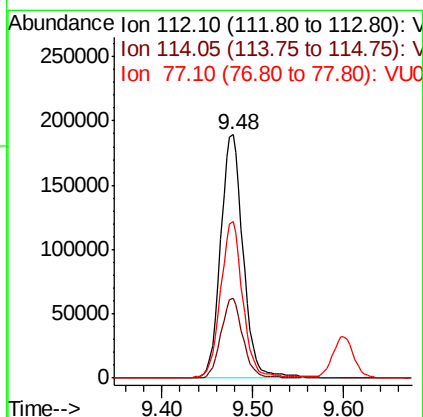
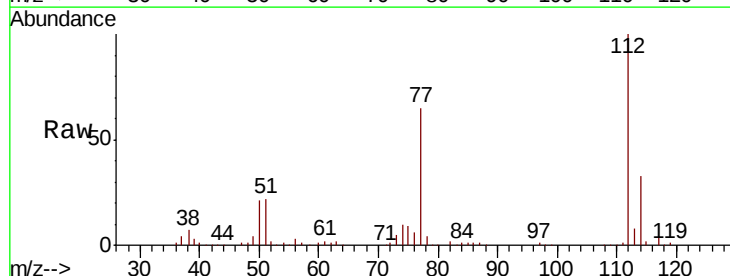
Instrument :
 MSVOA_U
 ClientSampleId :

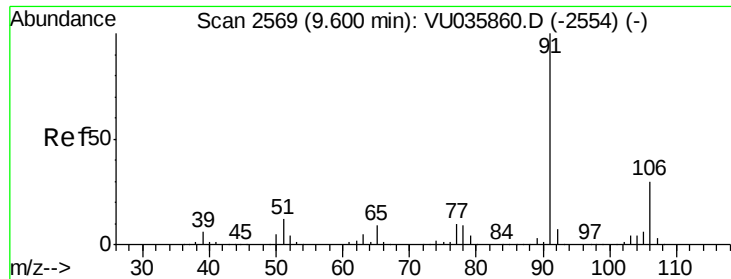
Tot Ion:107 Resp: 93113
 Ion Ratio Lower Upper
 107 100
 109 88.0 62.6 116.3
 188 3.0 2.8 4.2



#51
 Chlorobenzene
 Concen: 4.741 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Tgt Ion:112 Resp: 326549
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.2 41.2
 77 64.5 50.1 75.1

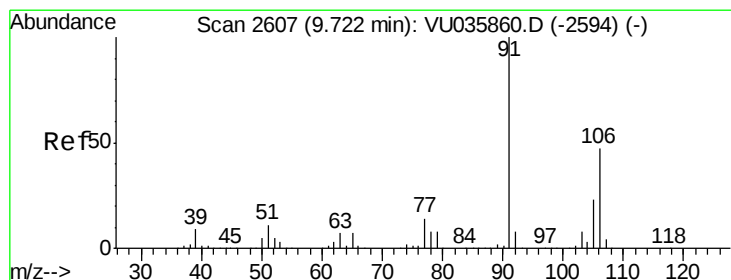
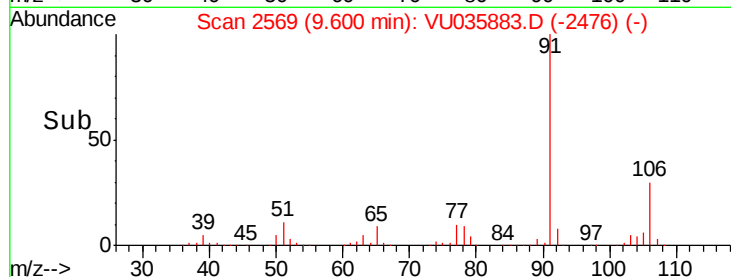
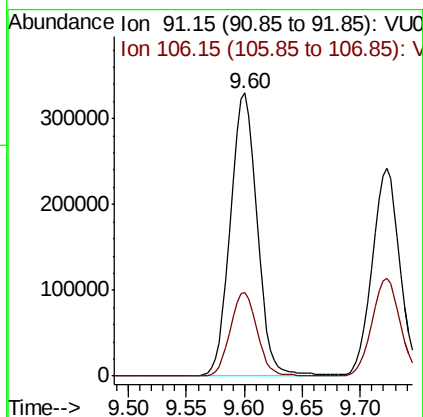
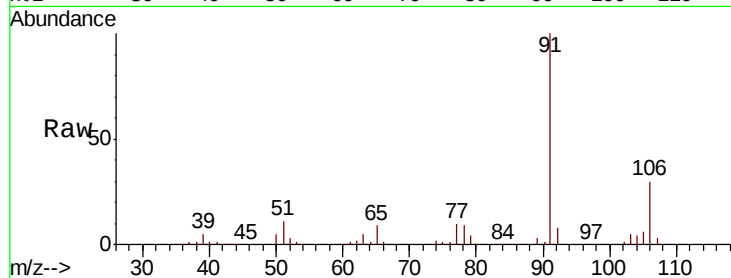




#52
Ethylbenzene
Concen: 4.578 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

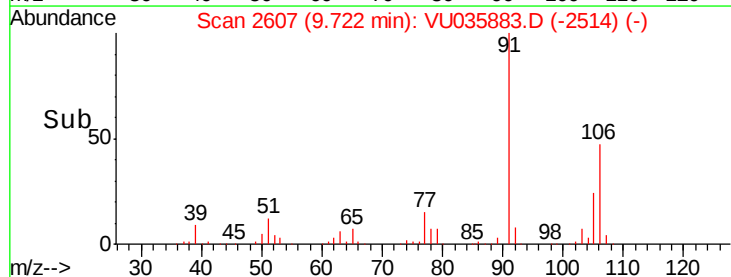
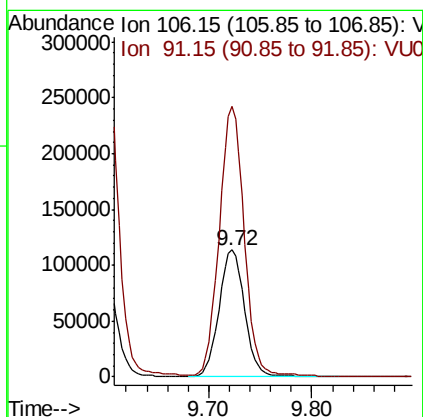
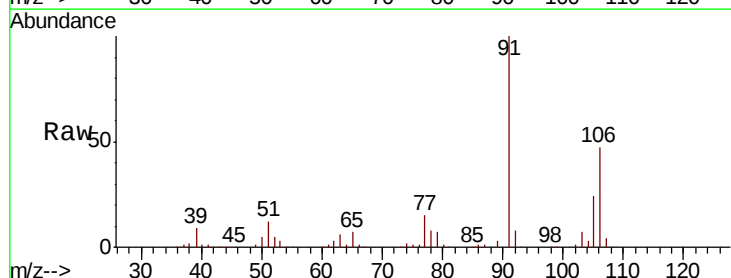
Instrument :
MSVOA_U
ClientSampleId :

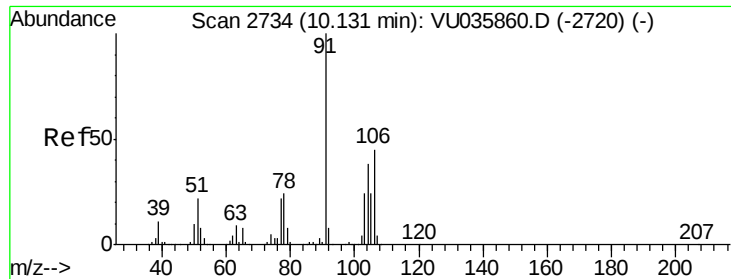
Tot Ion: 91 Resp: 526412
Ion Ratio Lower Upper
91 100
106 29.6 21.2 39.4



#53
m,p-Xylene
Concen: 4.864 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Tgt Ion: 106 Resp: 197170
Ion Ratio Lower Upper
106 100
91 213.3 149.9 278.5

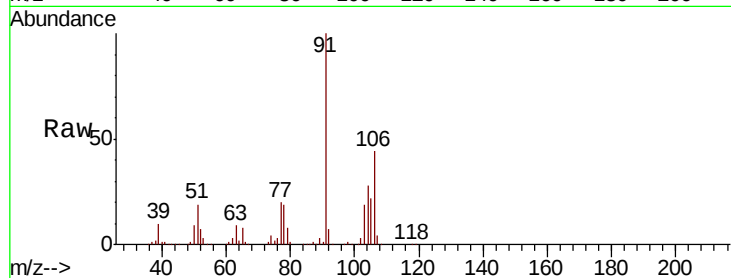




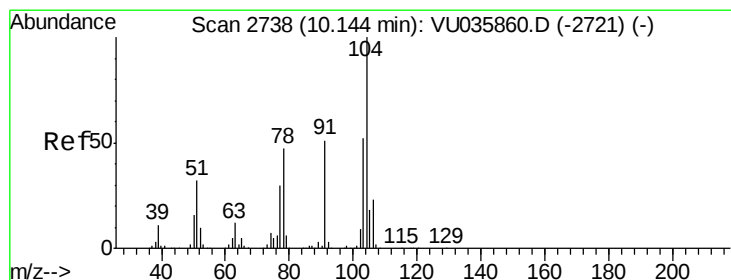
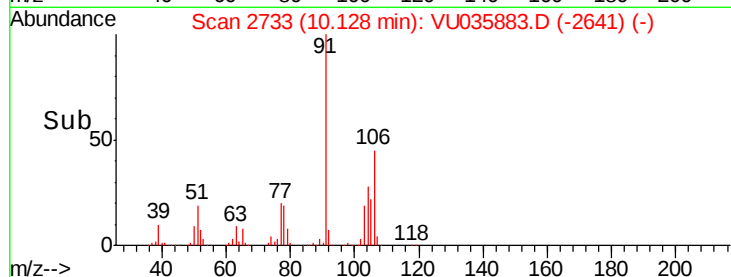
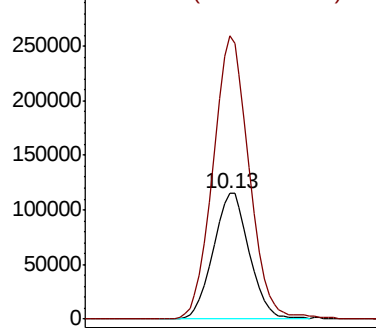
#54
o-Xylene
Concen: 4.755 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 187190
Ion Ratio Lower Upper
106 100
91 224.8 153.6 285.2

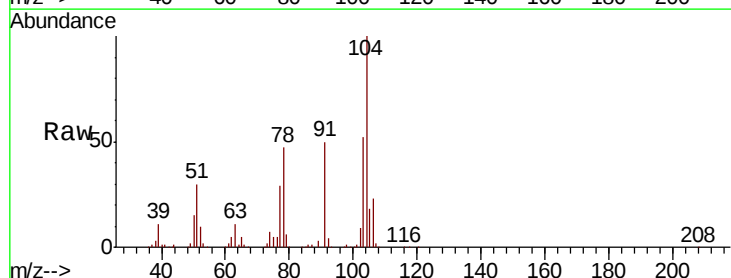


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

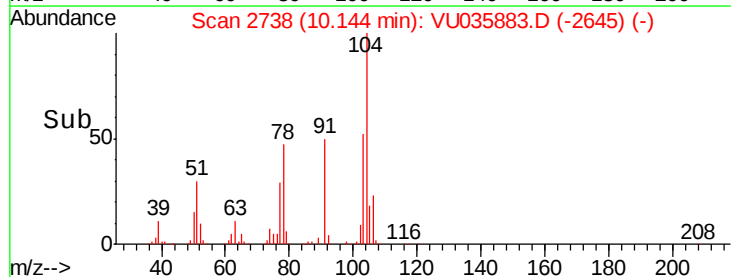
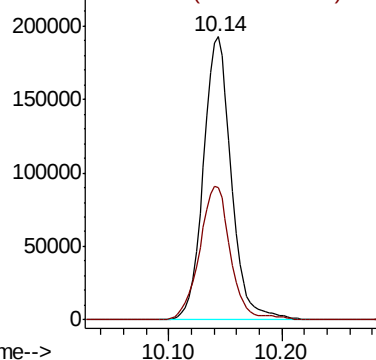


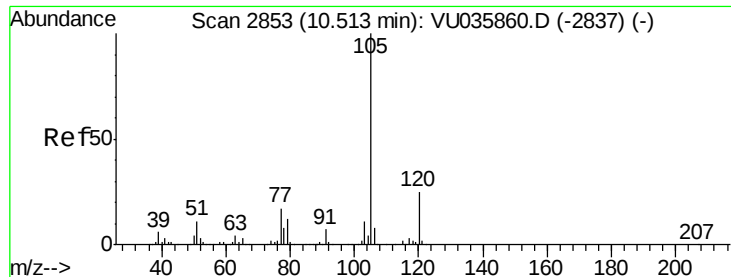
#55
Styrene
Concen: 5.081 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035883.D
Acq: 27 Nov 2019 09:10

Tgt Ion:104 Resp: 331772
Ion Ratio Lower Upper
104 100
78 46.8 33.9 62.9



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





#56

Isopropylbenzene

Concen: 4.792 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampled :

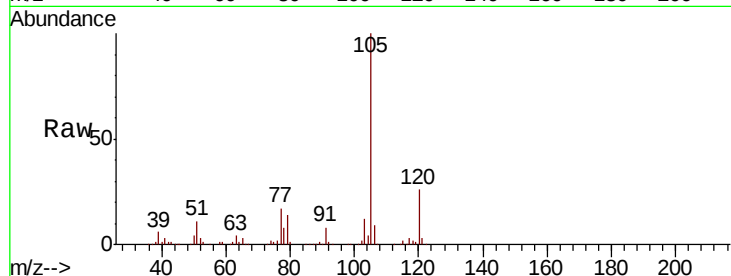
Tot Ion:105 Resp: 498348

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

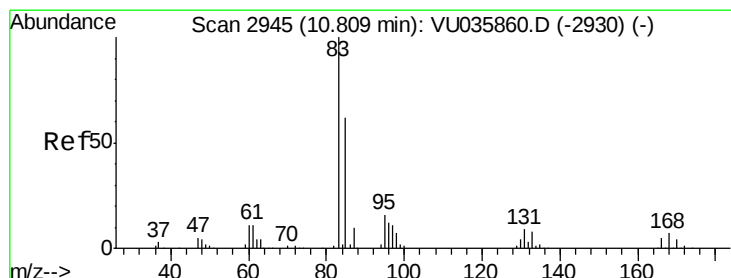
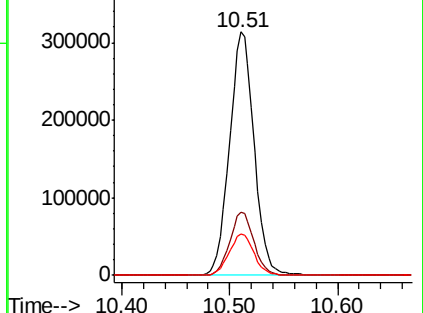
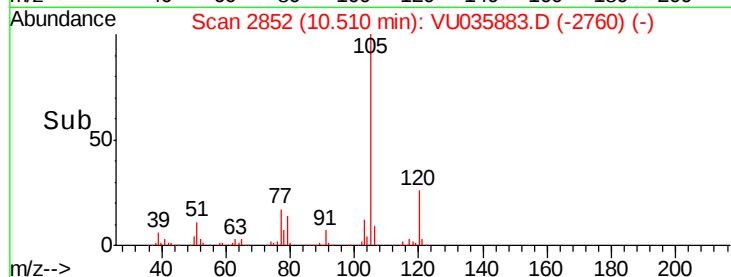
77 17.3 13.7 20.5



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: 4.990 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

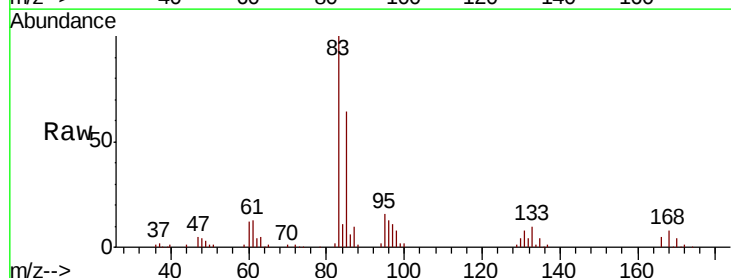
Tgt Ion: 83 Resp: 136415

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

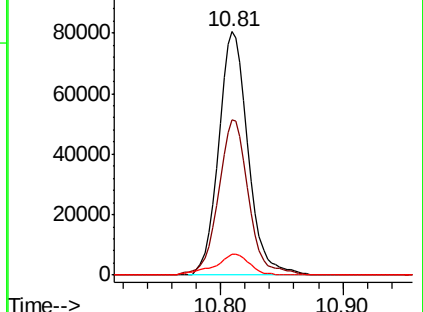
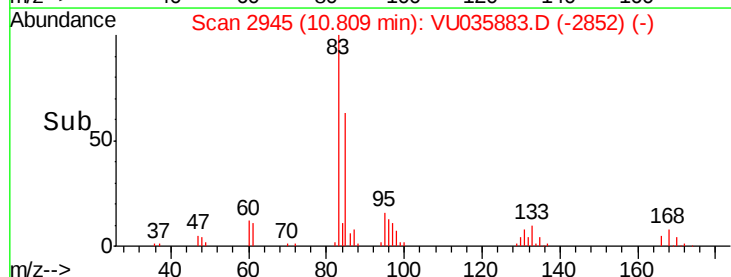
131 8.5 6.9 10.3

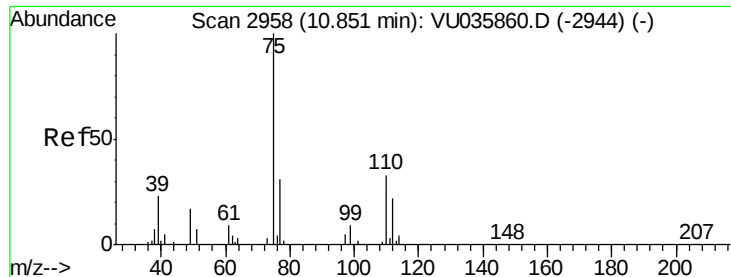


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.930 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

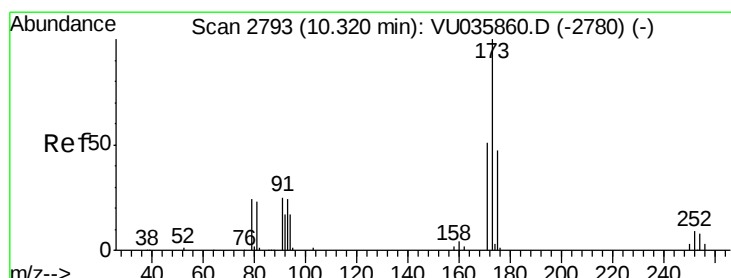
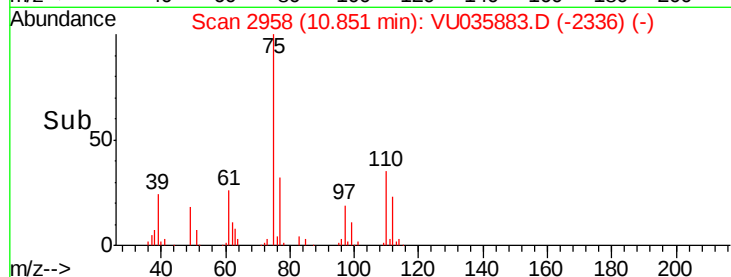
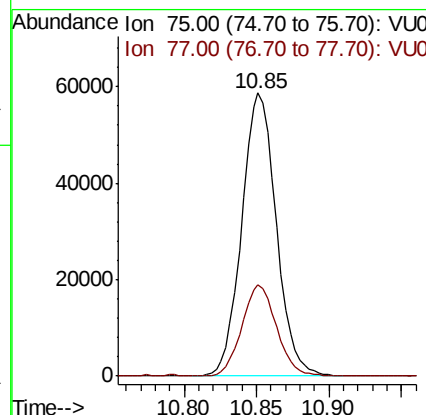
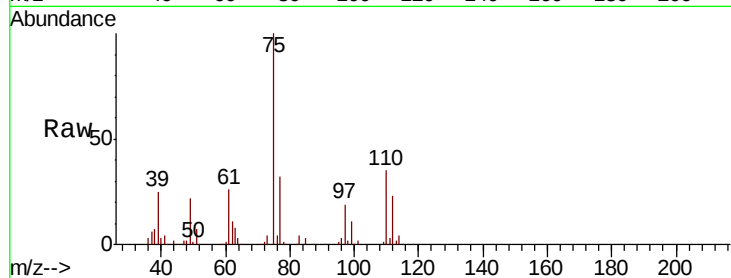
ClientSampleId :

Tot Ion: 75 Resp: 97183

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#61

Bromoform

Concen: 4.765 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

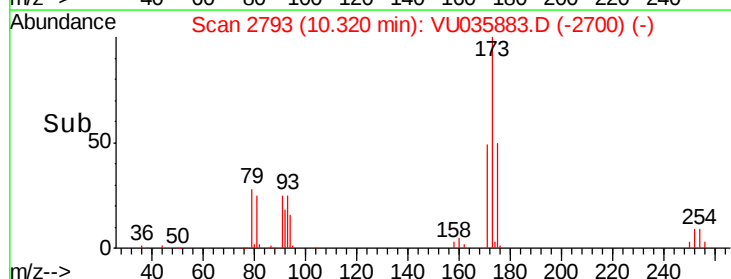
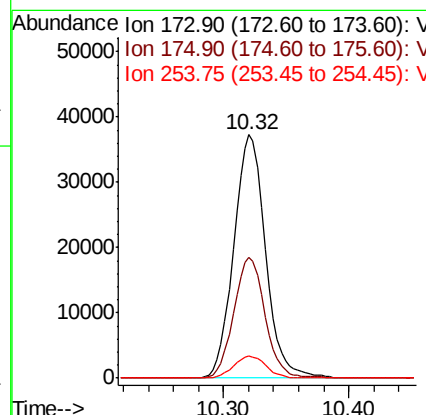
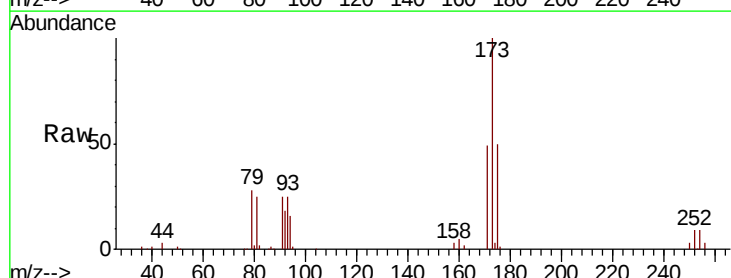
Tgt Ion: 173 Resp: 65658

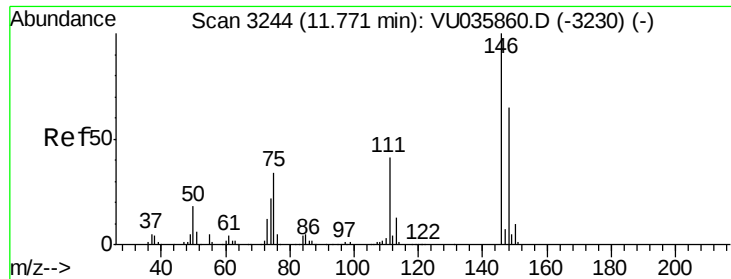
Ion Ratio Lower Upper

173 100

175 48.6 40.1 60.1

254 9.1 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035883.D

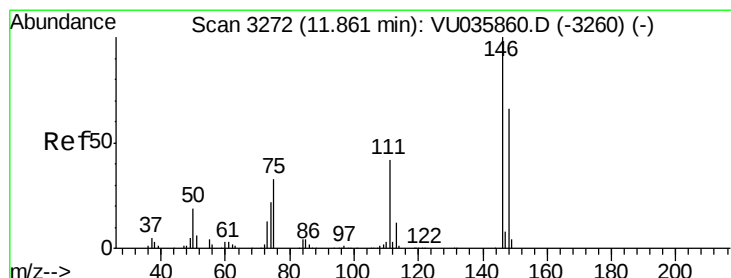
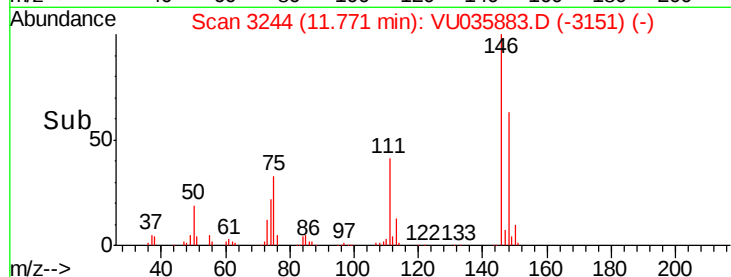
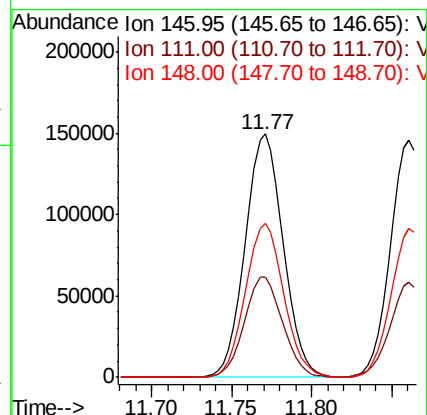
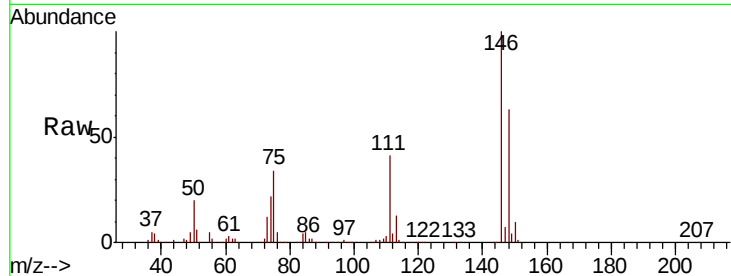
Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	241900
Ion	Ratio	Lower Upper
146	100	
111	41.3	29.5 54.7
148	63.1	44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 4.964 ug/L

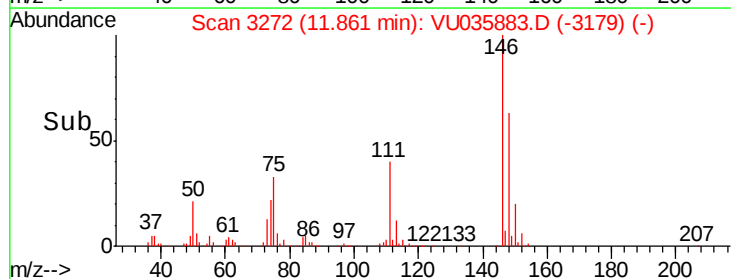
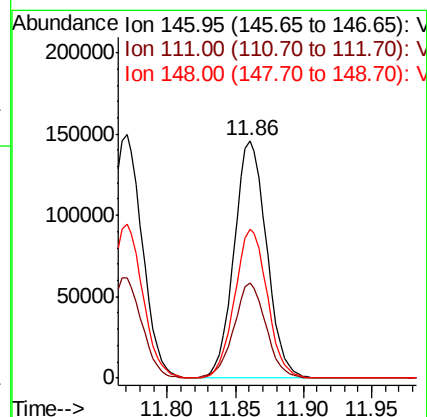
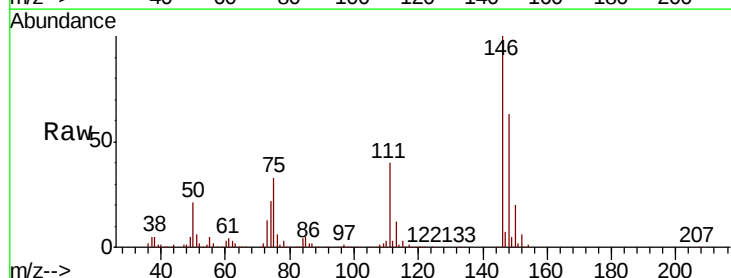
RT: 11.86 min Scan# 3272

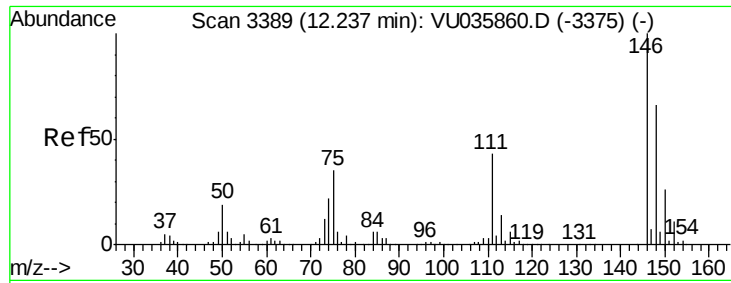
Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Tgt Ion:146	Resp:	240530
Ion	Ratio	Lower Upper
146	100	
111	40.0	27.9 51.7
148	62.7	44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 5.006 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampled :

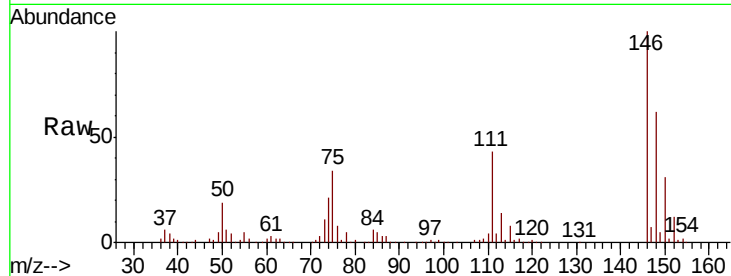
Tot Ion:146 Resp: 235071

Ion Ratio Lower Upper

146 100

111 43.3 35.4 53.0

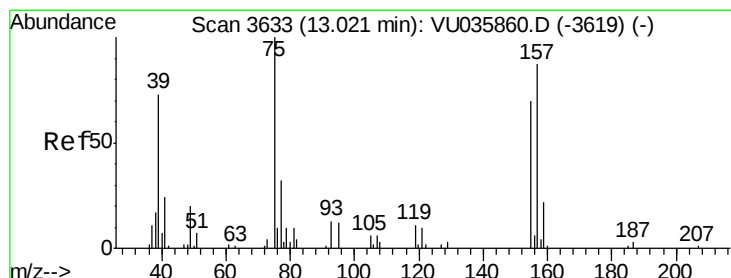
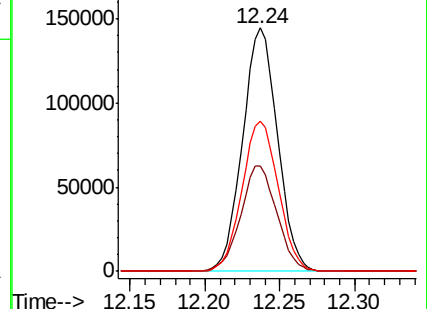
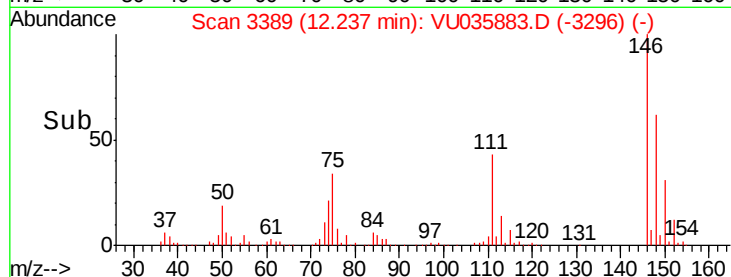
148 61.8 50.8 76.2



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: 4.720 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

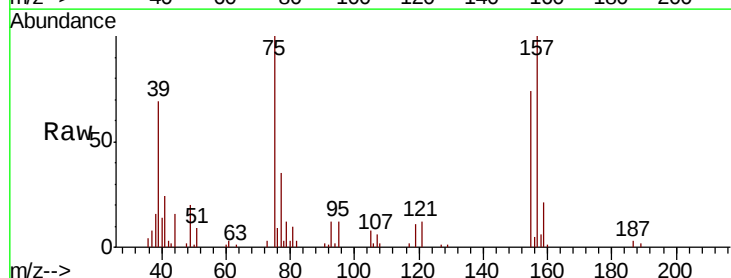
Tgt Ion: 75 Resp: 18339

Ion Ratio Lower Upper

75 100

155 73.7 55.4 83.2

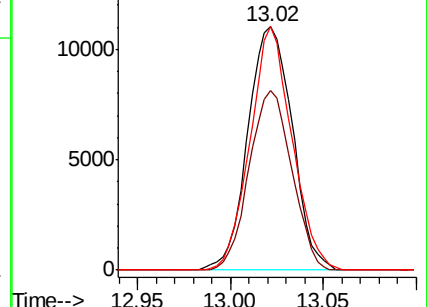
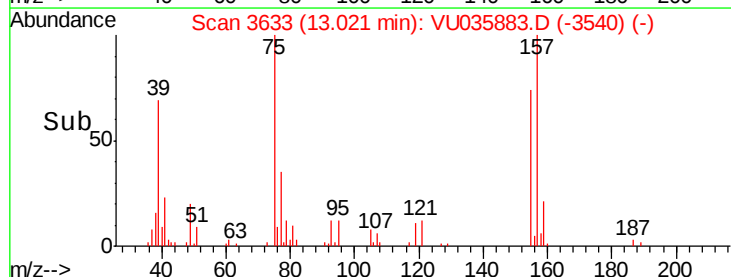
157 100.1 69.4 104.2

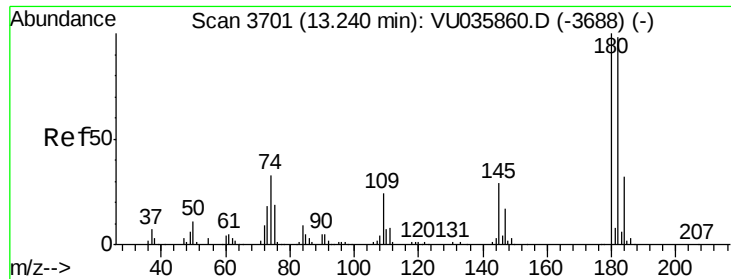


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

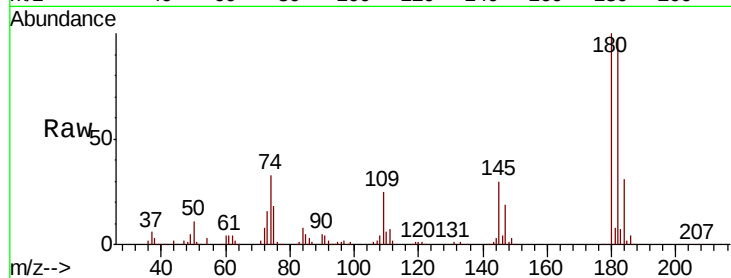




#67
 1,3,5-Trichlorobenzene
 Concen: 5.392 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.6	113.4
184	31.1	24.1	36.1
145	29.6	23.7	35.5



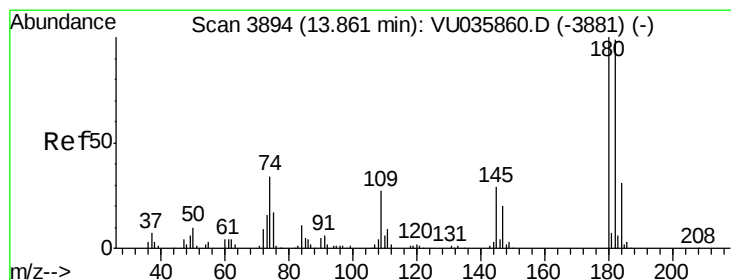
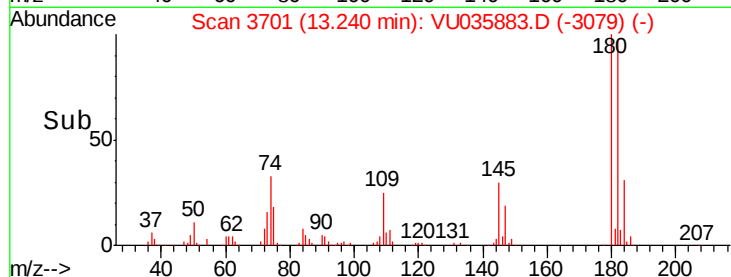
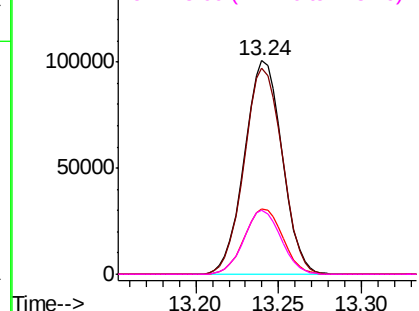
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

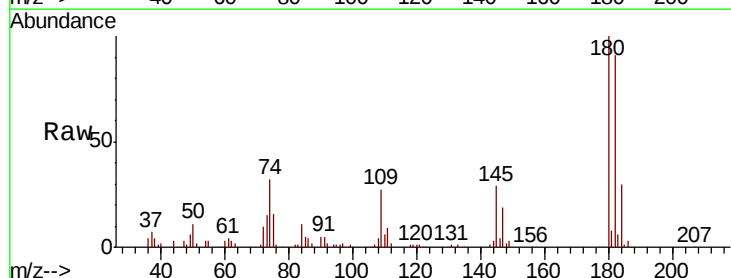
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.605 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035883.D
 Acq: 27 Nov 2019 09:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.1	112.7
145	29.5	24.0	36.0

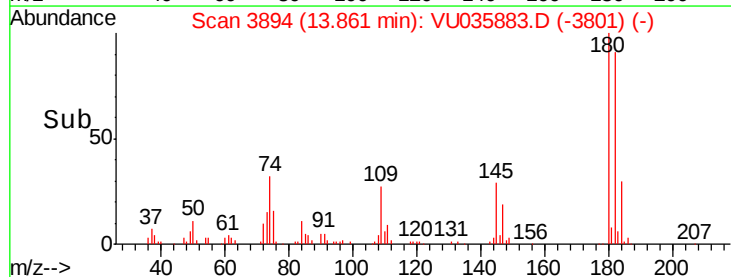
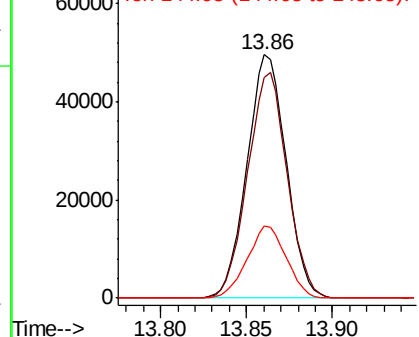


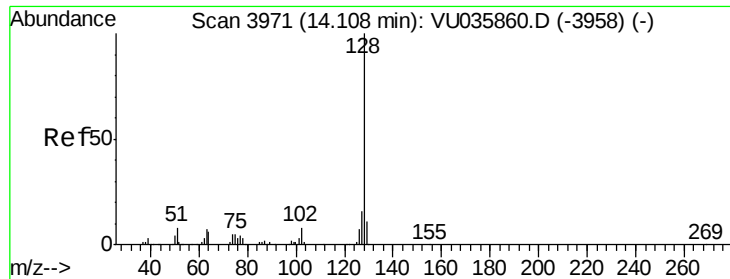
Abundance

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: 2.935 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

Instrument :

MSVOA_U

ClientSampled :

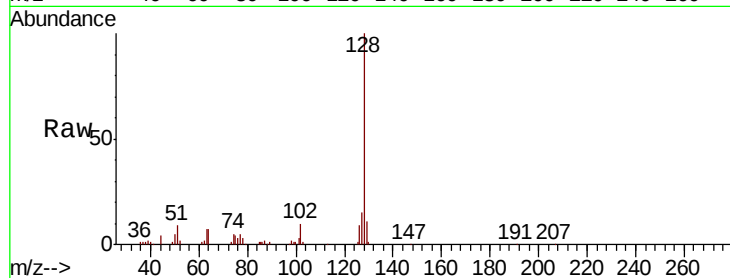
Tot Ion:128 Resp: 70259

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

127 14.7 11.8 17.6

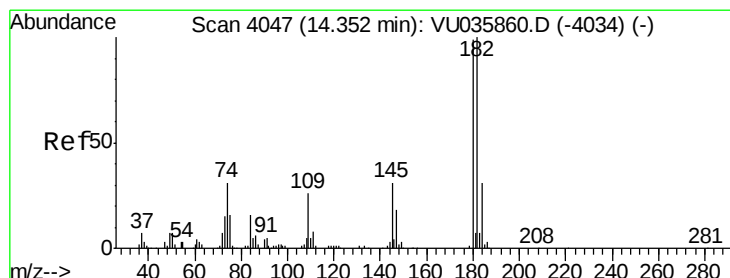
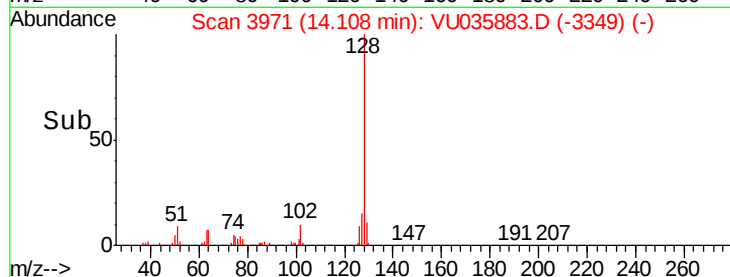
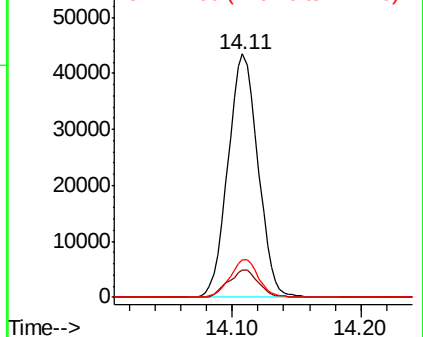


Abundance

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: 4.690 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035883.D

Acq: 27 Nov 2019 09:10

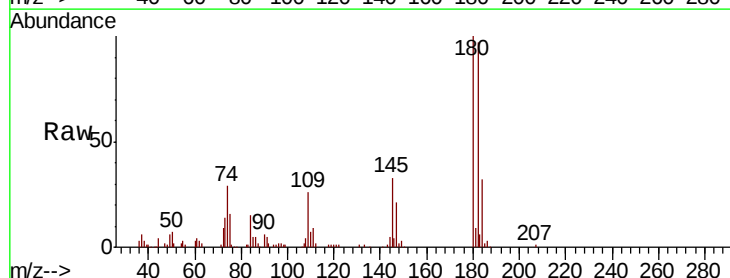
Tgt Ion:180 Resp: 77524

Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.0

145 31.6 24.7 37.1



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

