

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122719\
 Data File : VU036361.D
 Acq On : 27 Dec 2019 18:04
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 28 00:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 00:08:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	551319	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	535763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	259615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	188108	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.58%
7) Chloroethane-d5	1.93	69	165657	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.42%
11) 1,1-Dichloroethene-d2	2.59	63	339642	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.82%
21) 2-Butanone-d5	4.68	46	308549	96.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.45%
24) Chloroform-d	5.11	84	356443	47.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	5.75	65	231407	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
32) Benzene-d6	5.77	84	687594	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.73	67	230853	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.30%
41) Toluene-d8	7.93	98	645923	45.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.22%
43) trans-1,3-Dichloropropene-	8.21	79	125360	46.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.36%
47) 2-Hexanone-d5	8.67	63	236276	91.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.58%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	352467	46.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	247524	45.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	221448	50.291	ug/L 100
3) Chloromethane	1.54	50	203349	50.755	ug/L 99
5) Vinyl chloride	1.62	62	220945	47.513	ug/L 99
6) Bromomethane	1.87	94	116998	52.061	ug/L 96
8) Chloroethane	1.95	64	130318	46.577	ug/L 98
9) Trichlorofluoromethane	2.16	101	321967	49.248	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	159326	49.230	ug/L 96
12) 1,1-Dichloroethene	2.61	96	158299	49.618	ug/L 98
13) Acetone	2.66	43	292555	88.169	ug/L 100
14) Carbon disulfide	2.82	76	485641	49.191	ug/L 99
15) Methyl Acetate	2.99	43	228256	51.157	ug/L 98
16) Methylene chloride	3.08	84	194425	49.785	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	172220	50.002	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	618463	49.430	ug/L 99
19) 1,1-Dichloroethane	3.92	63	337572	48.896	ug/L 94
20) cis-1,2-Dichloroethene	4.71	96	206065	49.463	ug/L 95
22) 2-Butanone	4.76	43	377790	96.380	ug/L 96

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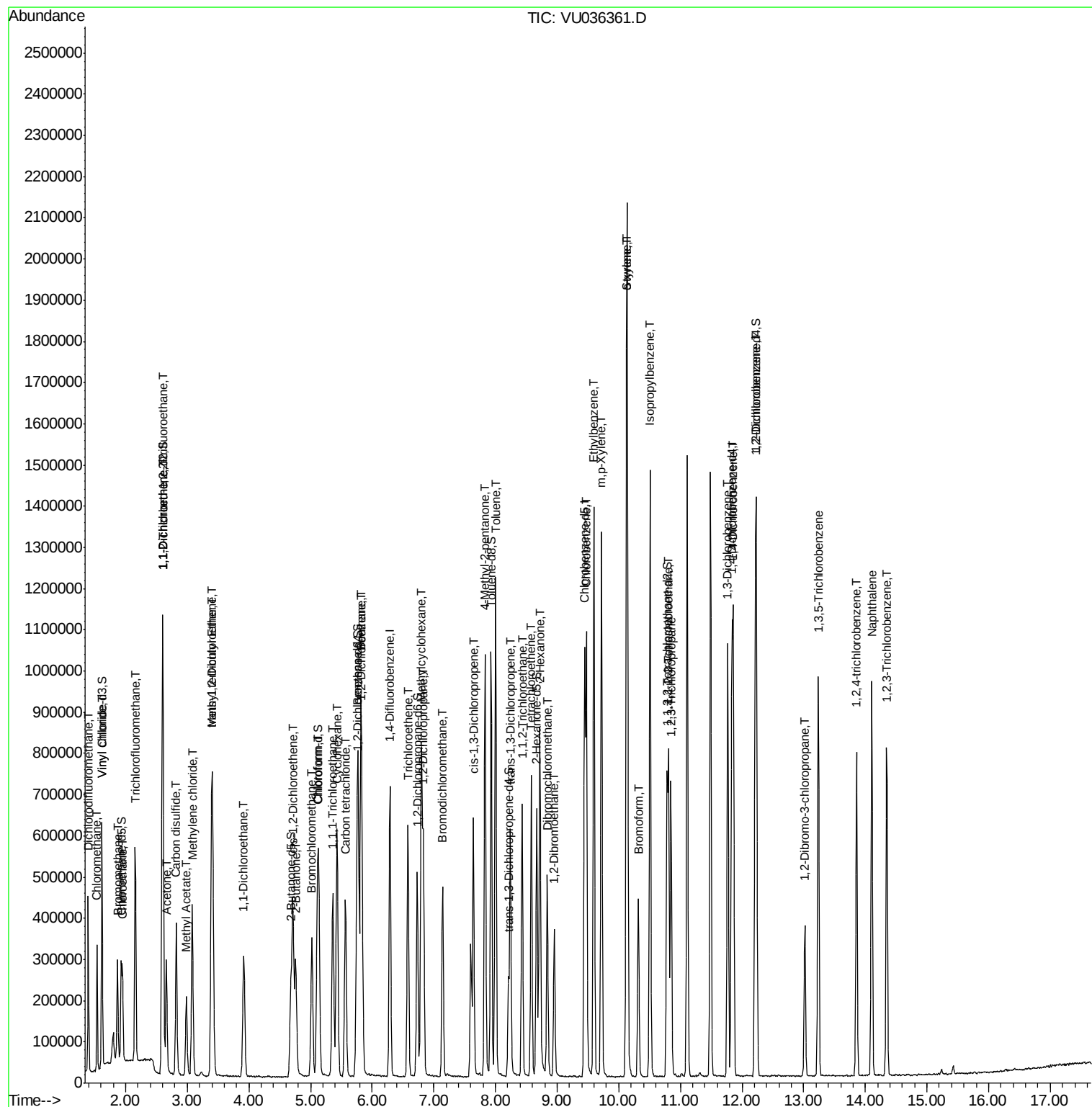
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	99528	49.767	uq/L	98
25) Chloroform	5.13	83	358855	48.783	uq/L	97
27) 1,2-Dichloroethane	5.84	62	282235	49.634	uq/L	99
29) Cyclohexane	5.43	56	310217	49.973	uq/L	98
30) 1,1,1-Trichloroethane	5.36	97	322548	49.120	uq/L	100
31) Carbon tetrachloride	5.57	117	282240	49.585	uq/L	100
33) Benzene	5.82	78	771474	49.019	uq/L	100
34) Trichloroethene	6.58	95	200609	49.442	uq/L	99
35) Methylcyclohexane	6.80	83	322536	49.803	uq/L	99
37) 1,2-Dichloropropane	6.83	63	207909	48.785	uq/L	99
38) Bromodichloromethane	7.14	83	287822	47.873	uq/L	98
39) cis-1,3-Dichloropropene	7.64	75	355180	49.784	uq/L	99
40) 4-Methyl-2-pentanone	7.83	43	673245	92.964	uq/L	99
42) Toluene	8.00	91	845242	48.772	uq/L	99
44) trans-1,3-Dichloropropene	8.24	75	321386	48.354	uq/L	98
45) 1,1,2-Trichloroethane	8.43	97	198758	49.990	uq/L	98
46) Tetrachloroethene	8.58	164	146727	50.260	uq/L	99
48) 2-Hexanone	8.72	43	536684	96.313	uq/L	96
49) Dibromochloromethane	8.84	129	232753	47.692	uq/L	99
50) 1,2-Dibromoethane	8.95	107	223635	48.499	uq/L	99
51) Chlorobenzene	9.47	112	531691	48.607	uq/L	99
52) Ethylbenzene	9.60	91	962515	48.798	uq/L	99
53) m,p-Xylene	9.72	106	363742	49.713	uq/L	100
54) o-xylene	10.13	106	357511	48.697	uq/L	97
55) Styrene	10.14	104	619466	49.904	uq/L	99
56) Isopropylbenzene	10.51	105	937770	49.008	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	362568	48.243	uq/L	99
59) 1,2,3-Trichloropropane	10.85	75	285371	47.725	uq/L	99
61) Bromoform	10.32	173	179211	46.452	uq/L	100
62) 1,3-Dichlorobenzene	11.77	146	412734	49.197	uq/L	98
63) 1,4-Dichlorobenzene	11.86	146	399895	48.052	uq/L	97
65) 1,2-Dichlorobenzene	12.23	146	411421	48.946	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	91089	46.440	uq/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	276563	49.643	uq/L	99
68) 1,2,4-trichlorobenzene	13.86	180	221036	52.352	uq/L	97
69) Naphthalene	14.10	128	739795	50.992	uq/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	223634	50.436	uq/L	99

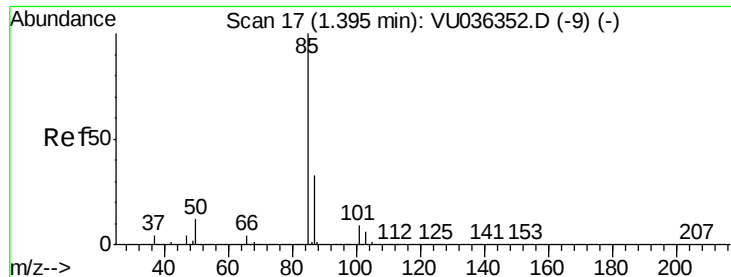
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.291 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

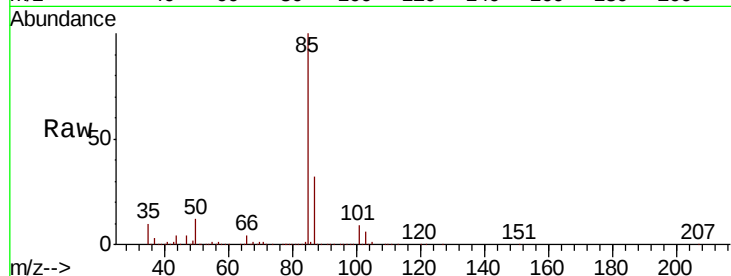
ClientSampled :

Tot Ion: 85 Resp: 221448

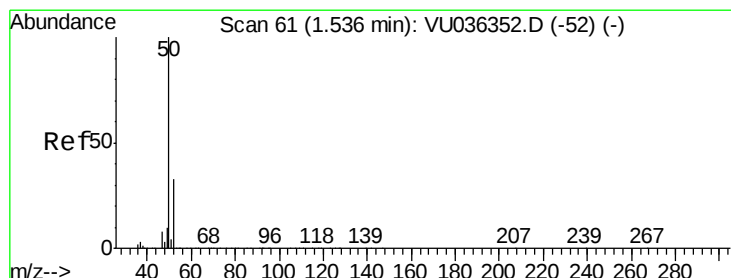
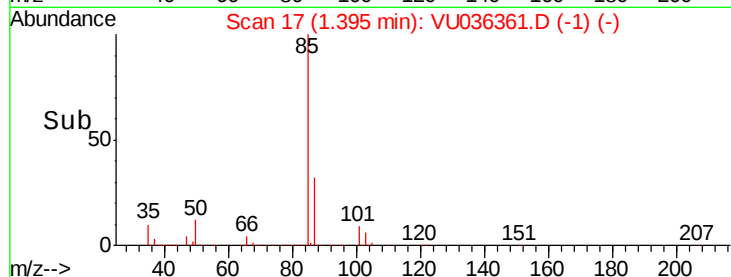
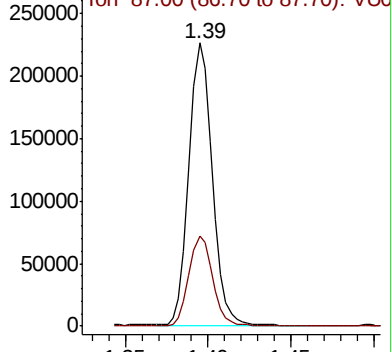
Ion Ratio Lower Upper

85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU036361.D (-1) (-)



#3

Chloromethane

Concen: 50.755 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036361.D

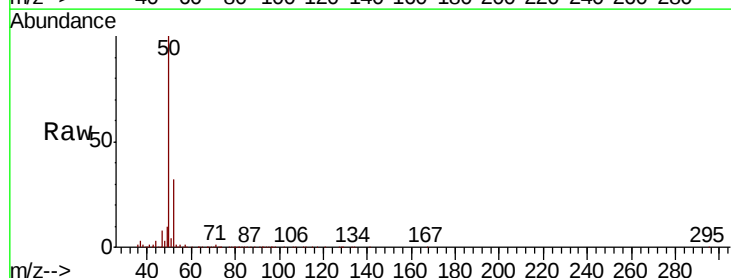
Acq: 27 Dec 2019 18:04

Tgt Ion: 50 Resp: 203349

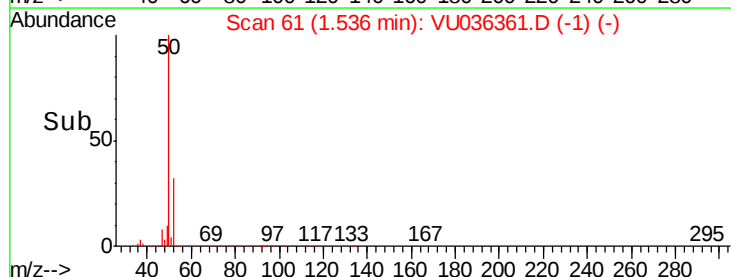
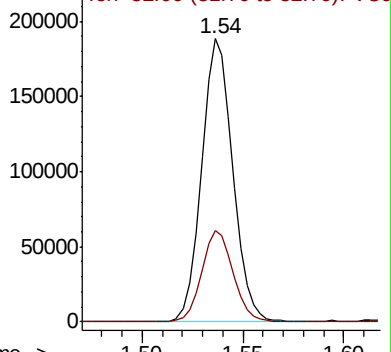
Ion Ratio Lower Upper

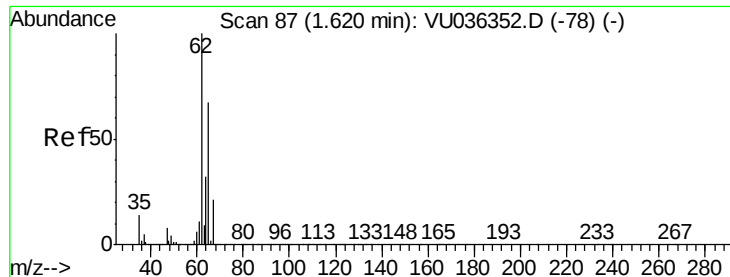
50 100

52 32.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036361.D (-1) (-)





#5

Vinyl chloride

Concen: 47.513 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

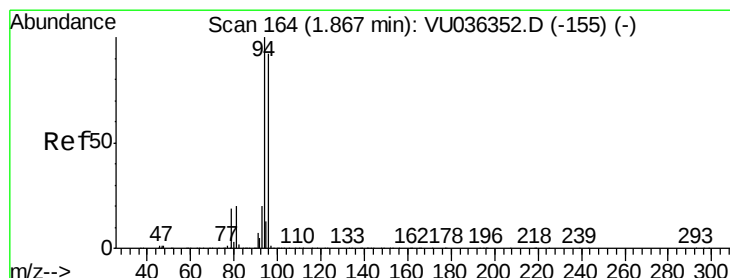
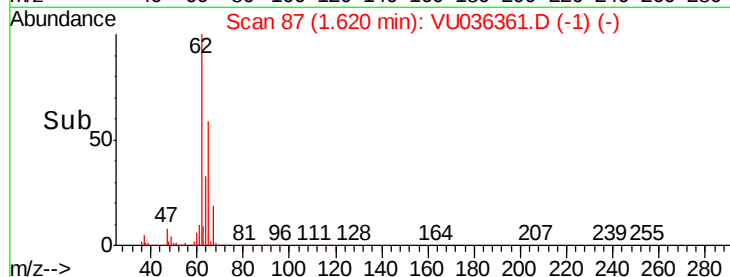
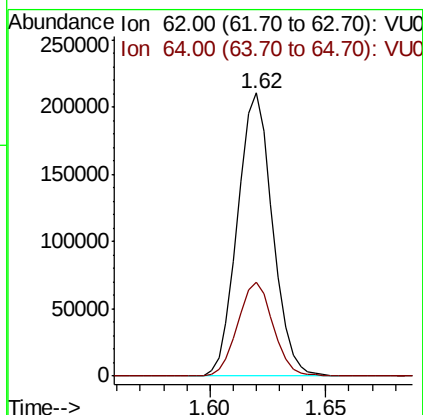
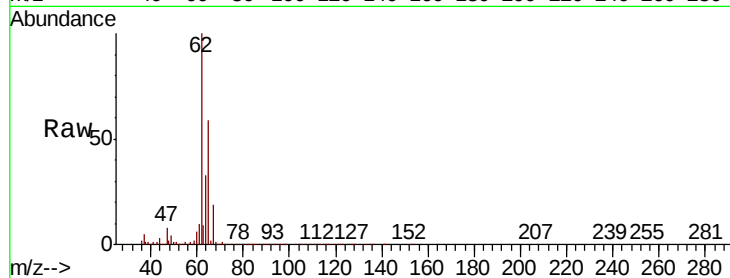
ClientSampleId :

Tot Ion: 62 Resp: 220945

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



#6

Bromomethane

Concen: 52.061 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU036361.D

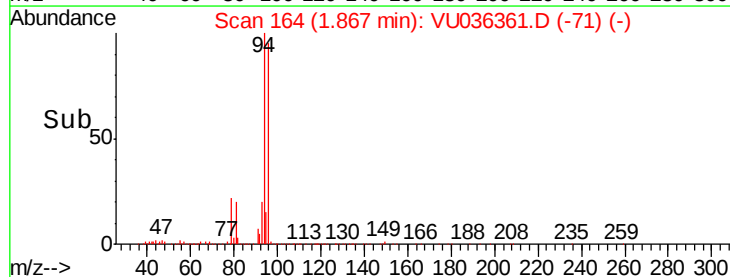
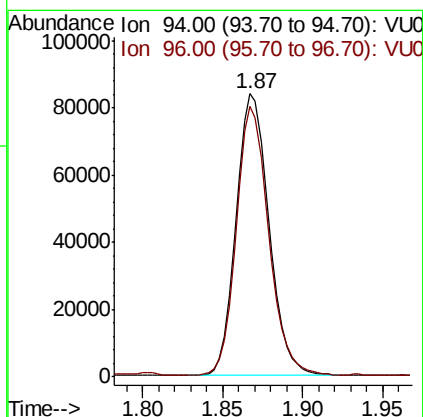
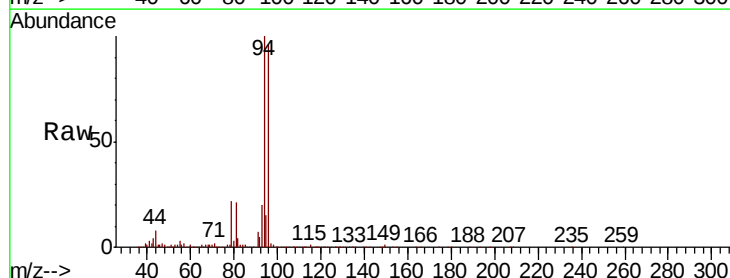
Acq: 27 Dec 2019 18:04

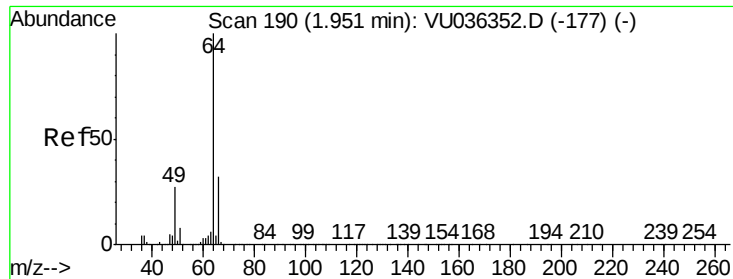
Tgt Ion: 94 Resp: 116998

Ion Ratio Lower Upper

94 100

96 95.7 64.5 119.7

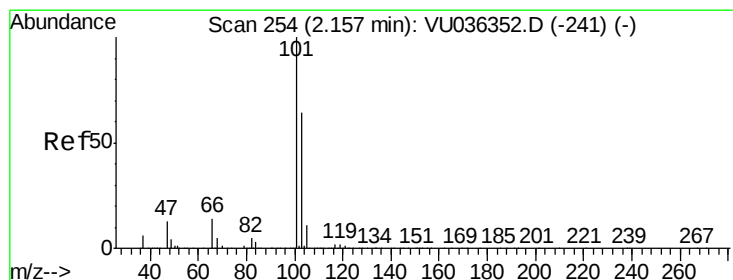
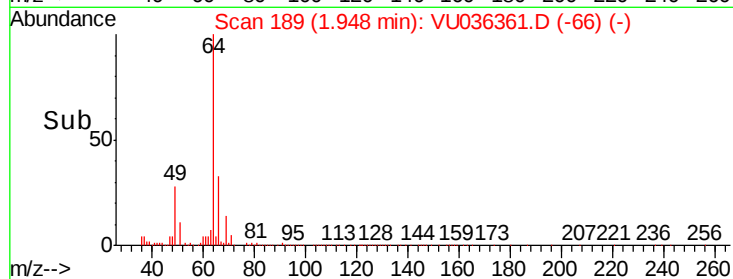
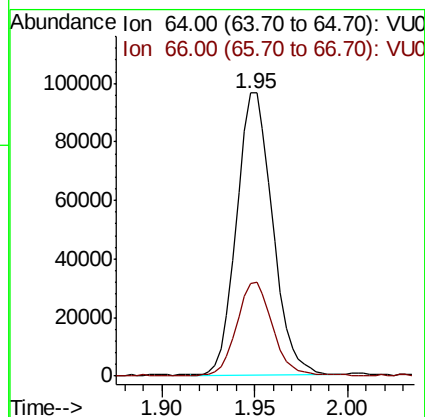
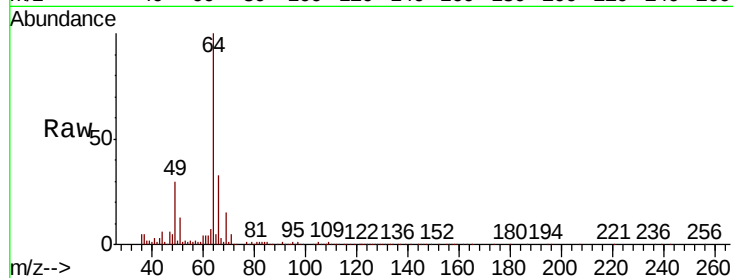




#8
Chloroethane
Concen: 46.577 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

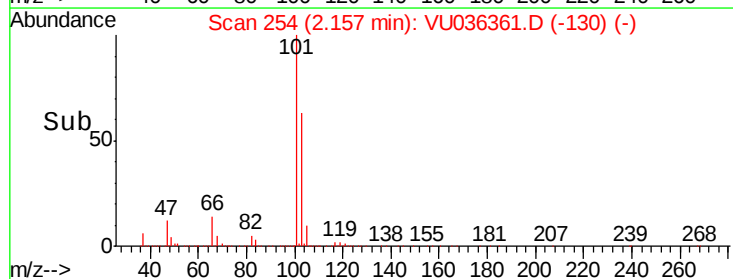
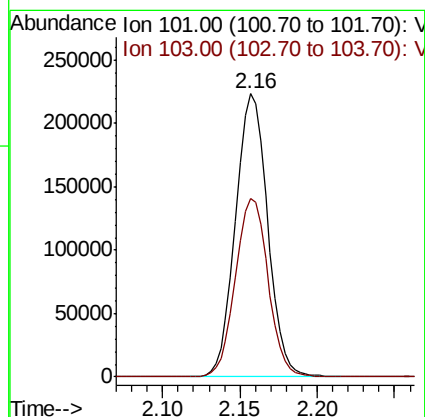
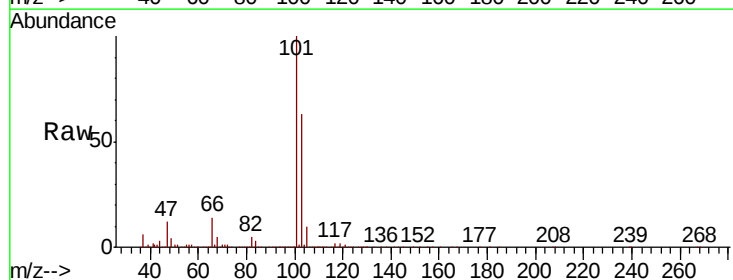
Instrument :
MSVOA_U
ClientSampleId :

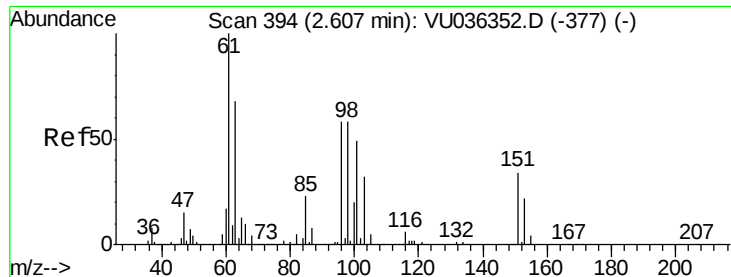
Tot Ion: 64 Resp: 130318
Ion Ratio Lower Upper
64 100
66 32.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.248 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion: 101 Resp: 321967
Ion Ratio Lower Upper
101 100
103 63.6 51.6 77.4





#10

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

Concen: 49.230 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

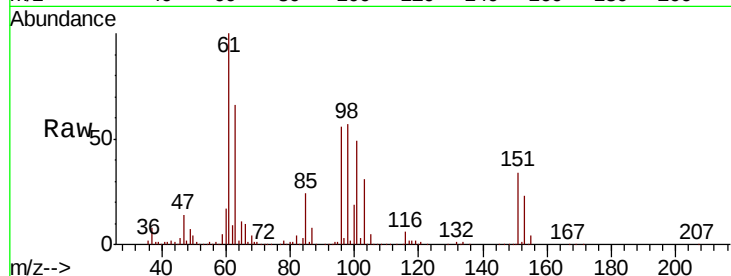
Tot Ion:101 Resp: 159326

Ion Ratio Lower Upper

101 100

85 49.8 37.1 55.7

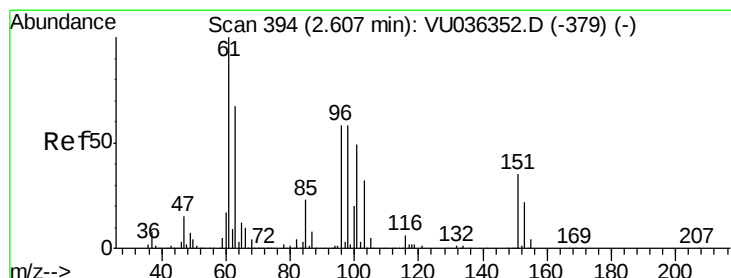
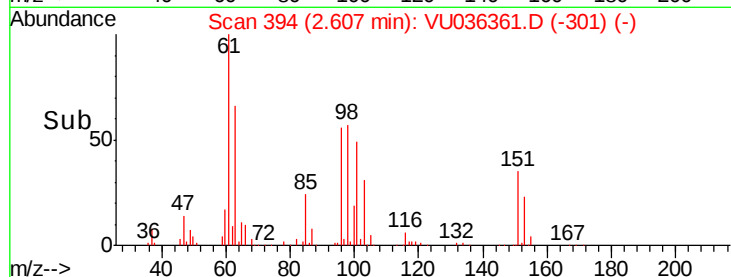
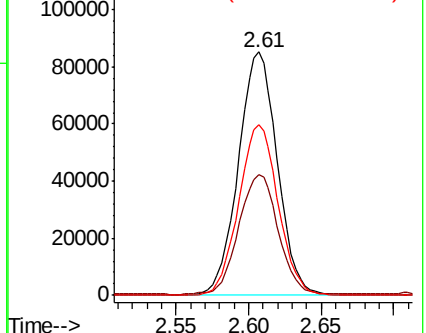
151 70.8 54.3 81.5



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: 49.618 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

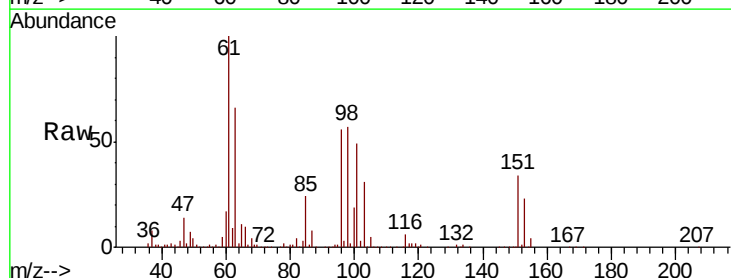
Tgt Ion: 96 Resp: 158299

Ion Ratio Lower Upper

96 100

61 178.0 120.9 224.5

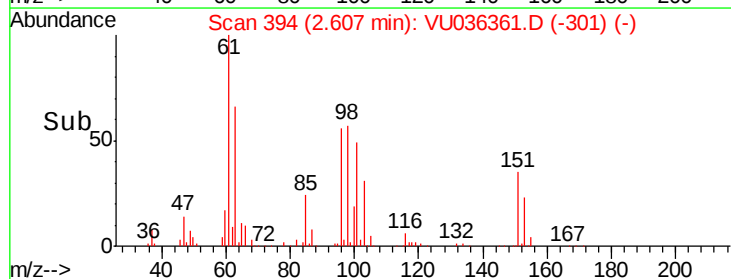
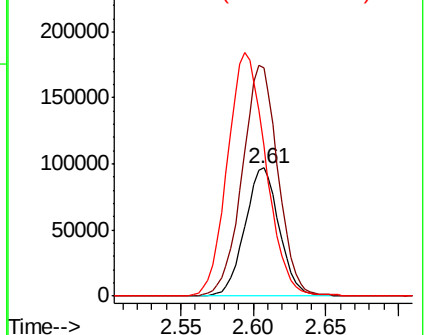
63 117.5 81.8 152.0

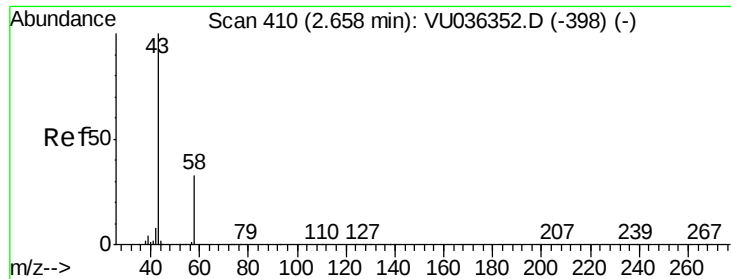


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.169 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

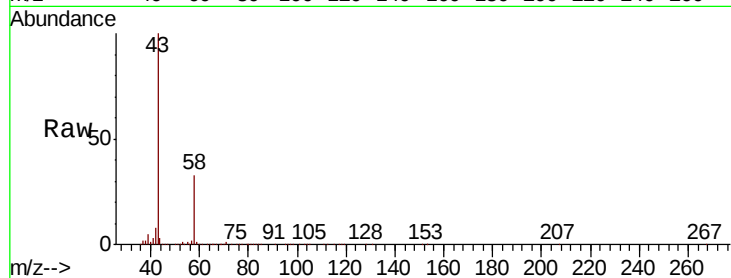
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 292555

Ion Ratio Lower Upper

43 100

58 32.9 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036361.D (-317) (-)

Ion 58.00 (57.70 to 58.70): VU036361.D (-317) (-)

2.66

150000

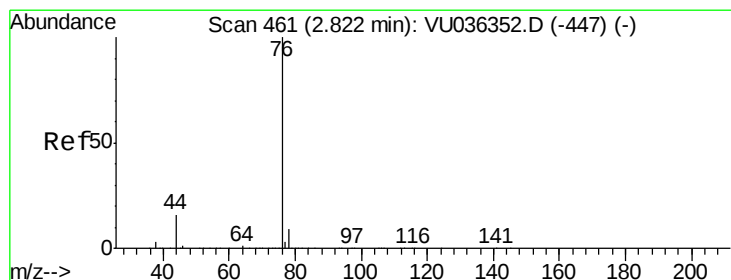
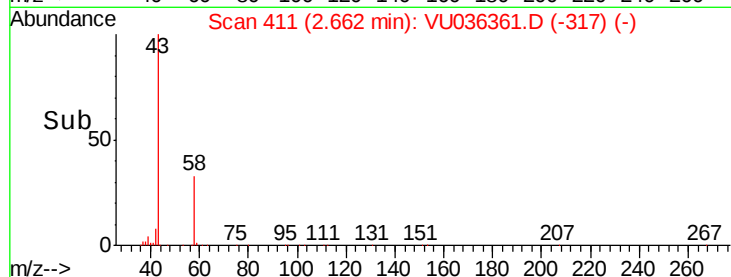
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 49.191 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036361.D

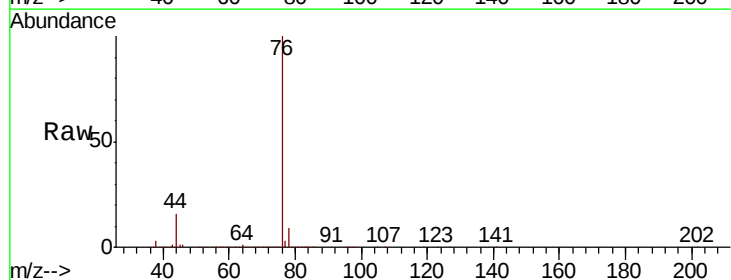
Acq: 27 Dec 2019 18:04

Tgt Ion: 76 Resp: 485641

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU036361.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036361.D (-368) (-)

2.82

300000

250000

200000

150000

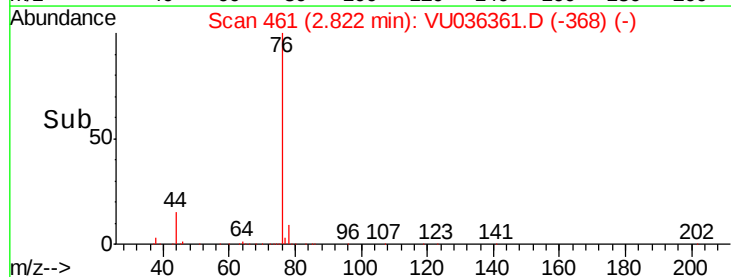
100000

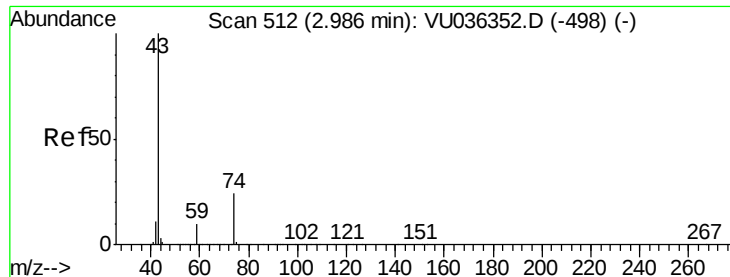
50000

0

2.75 2.80 2.85 2.90

Time-->

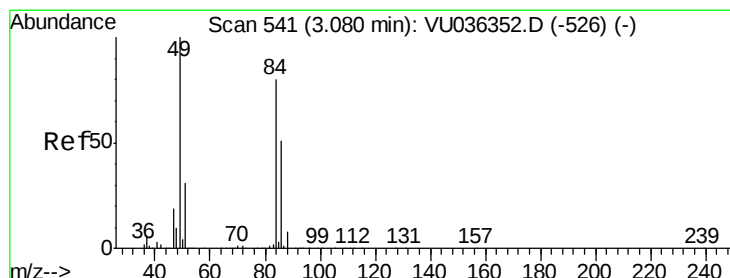
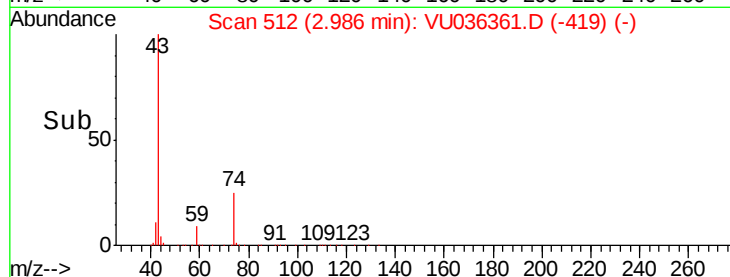
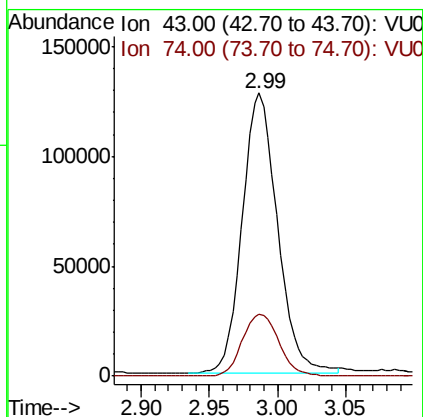
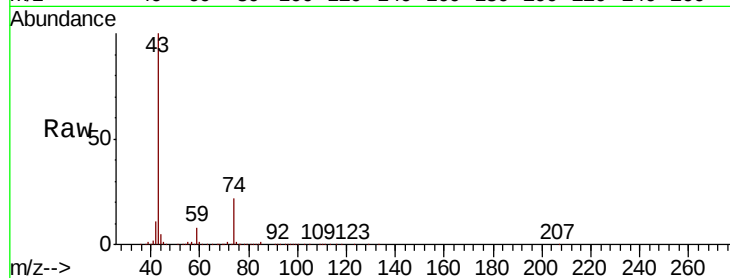




#15
Methvl Acetate
Concen: 51.157 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

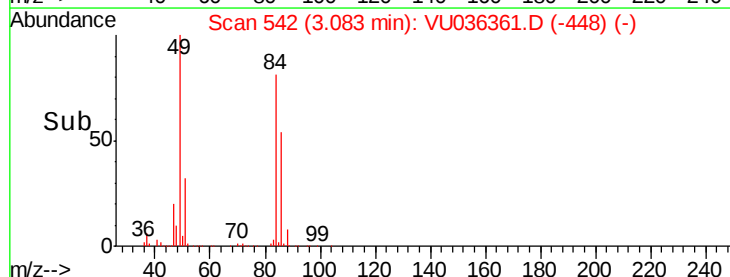
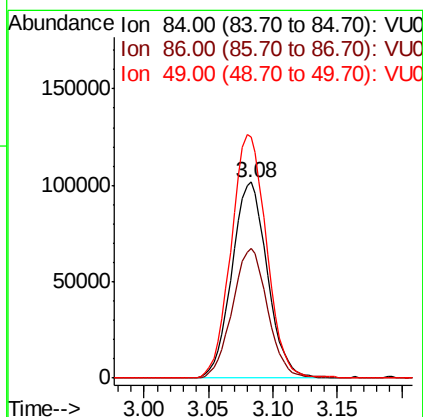
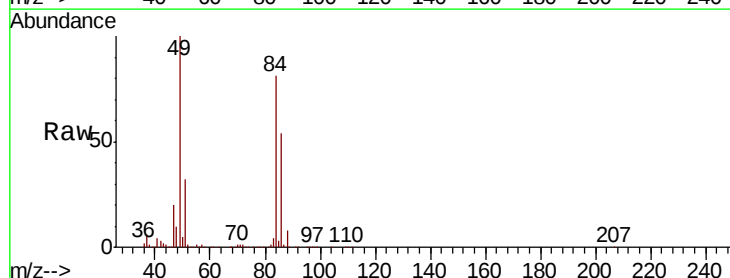
Instrument :
MSVOA_U
ClientSampled :

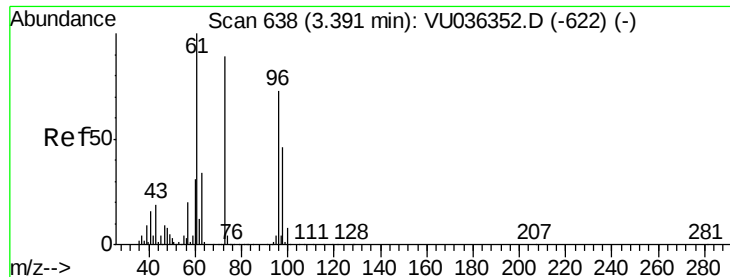
Tot Ion: 43 Resp: 228256
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2



#16
Methylene chloride
Concen: 49.785 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion: 84 Resp: 194425
Ion Ratio Lower Upper
84 100
86 66.2 44.6 82.8
49 123.4 87.6 162.6





#17

trans-1,2-Dichloroethene

Concen: 50.002 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :
MSVOA_U
ClientSampled :

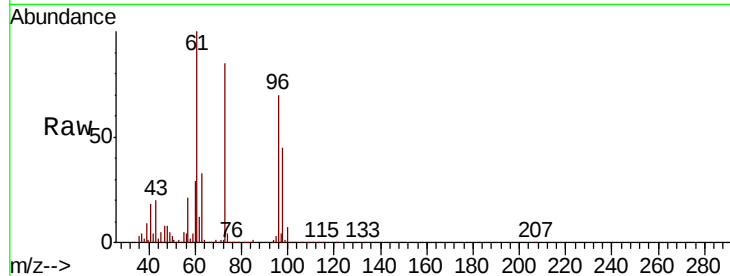
Tot Ion: 96 Resp: 172220

Ion Ratio Lower Upper

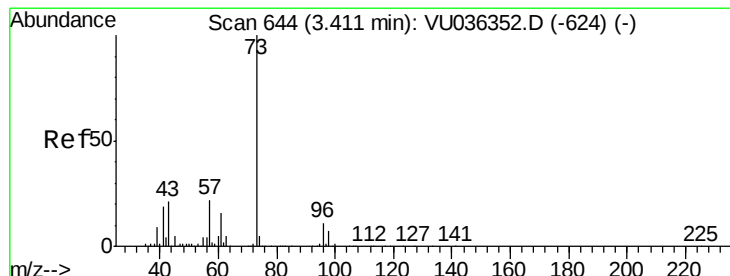
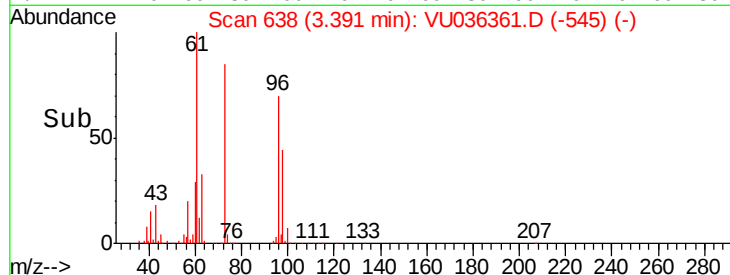
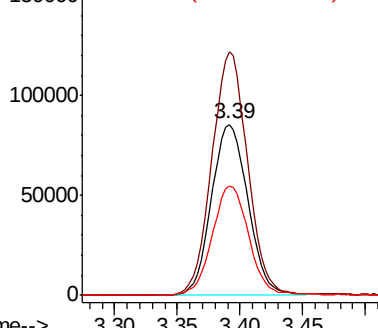
96 100

61 142.7 96.2 178.8

98 63.8 44.2 82.2



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



#18

Methyl tert-butyl Ether

Concen: 49.430 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

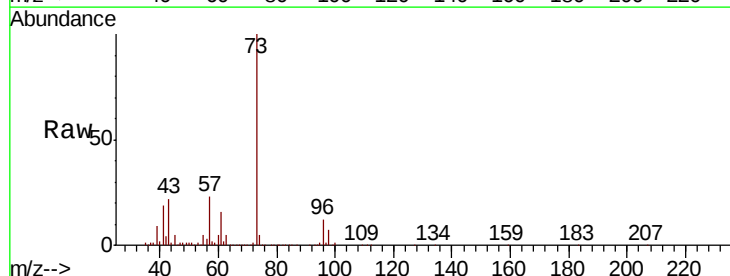
Tgt Ion: 73 Resp: 618463

Ion Ratio Lower Upper

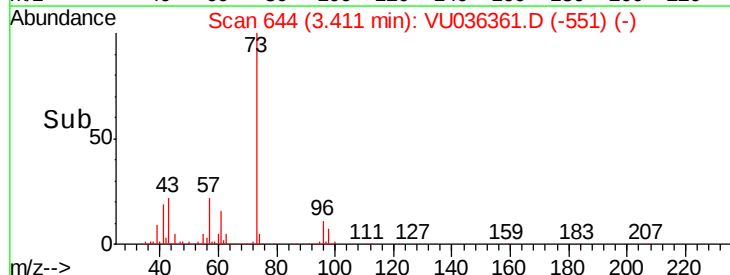
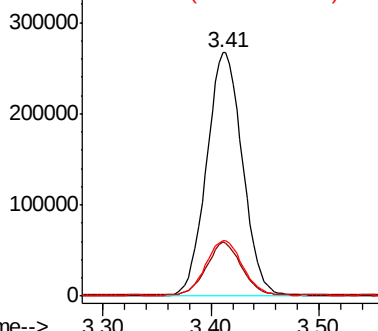
73 100

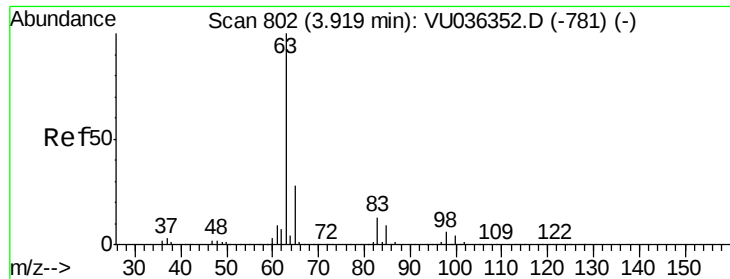
43 20.7 16.3 24.5

57 23.0 17.7 26.5



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

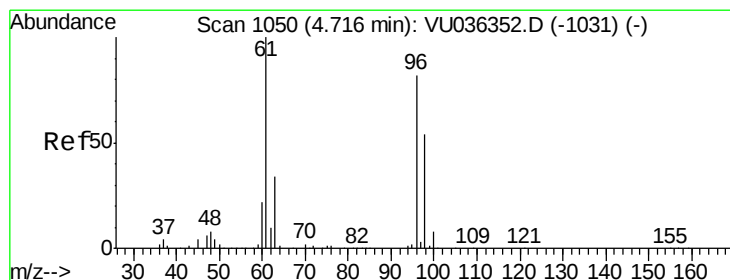
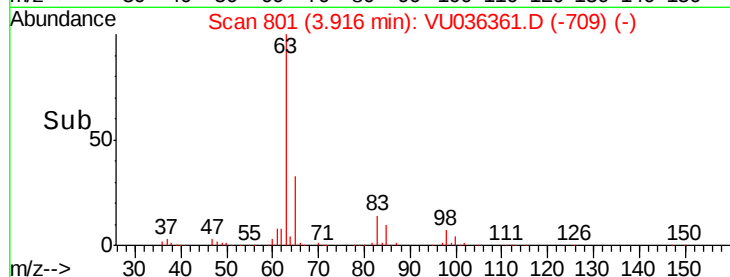
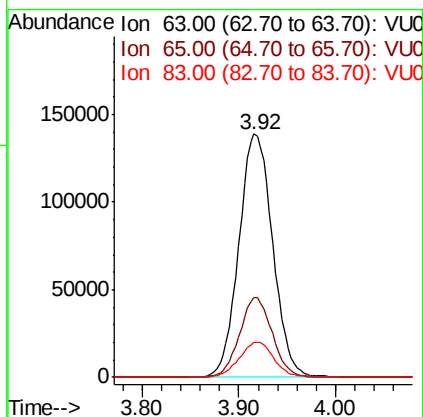
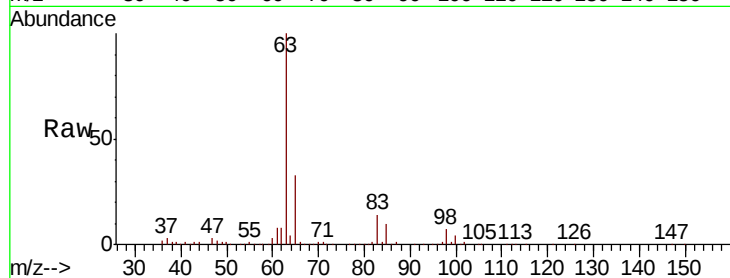




#19
 1,1-Dichloroethane
 Concen: 48.896 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

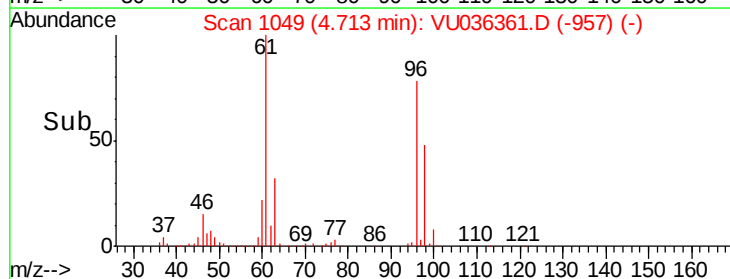
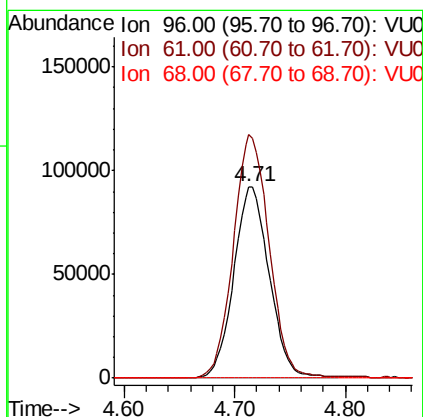
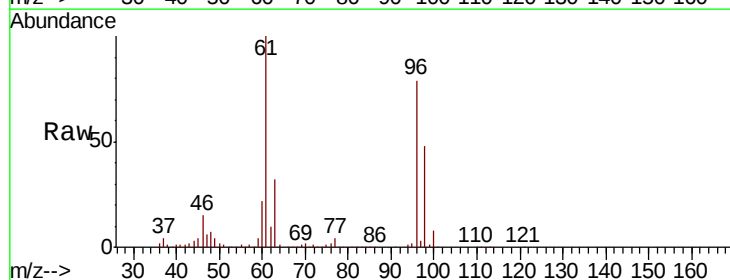
Instrument :
 MSVOA_U
 ClientSampleId :

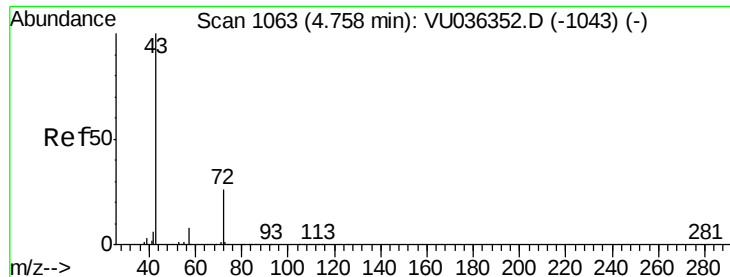
Tot Ion: 63 Resp: 337572
 Ion Ratio Lower Upper
 63 100
 65 32.8 20.0 37.2
 83 14.3 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.463 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

Tgt Ion: 96 Resp: 206065
 Ion Ratio Lower Upper
 96 100
 61 127.1 85.1 158.1
 68 0.3 0.1 0.3





#22

2-Butanone

Concen: 96.380 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

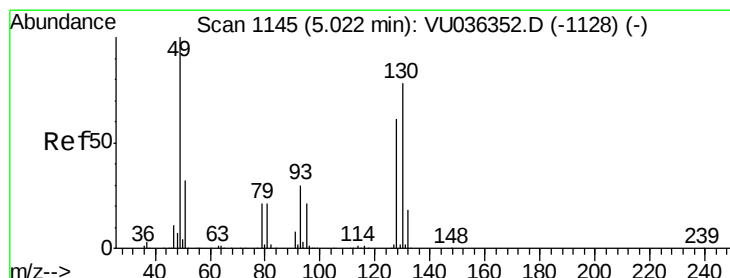
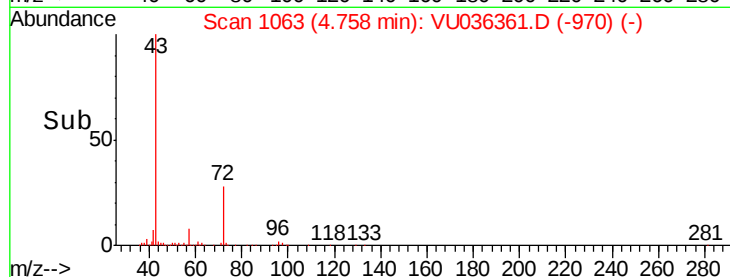
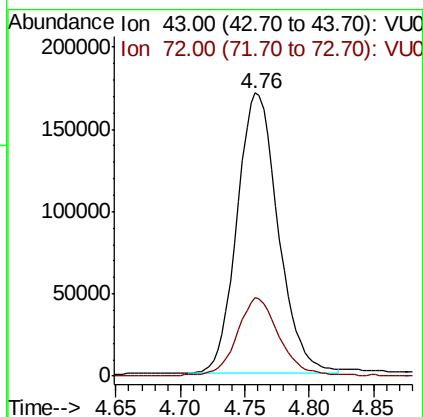
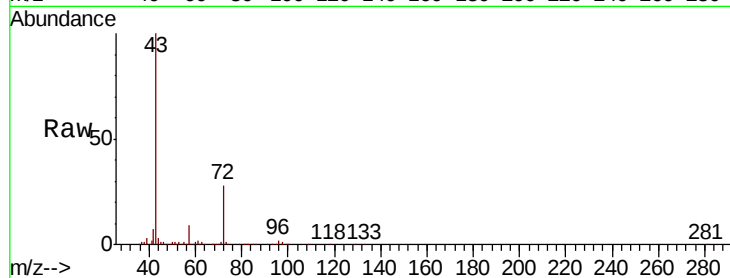
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 377790

Ion Ratio Lower Upper

43 100

72 29.0 13.4 40.1



#23

Bromochloromethane

Concen: 49.767 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Tgt Ion:128 Resp: 99528

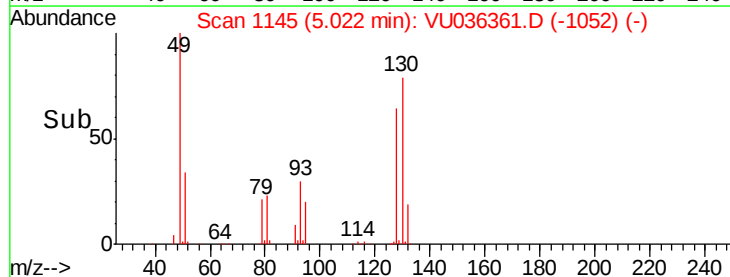
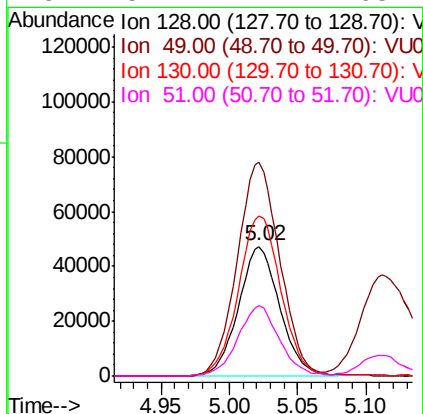
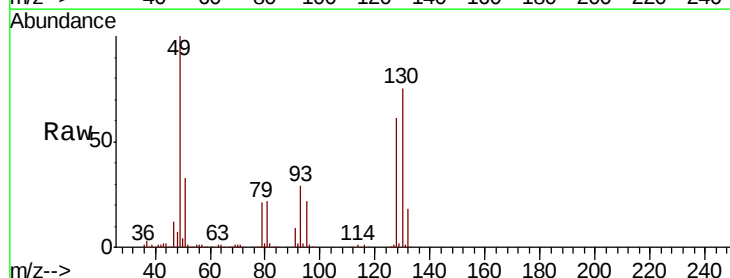
Ion Ratio Lower Upper

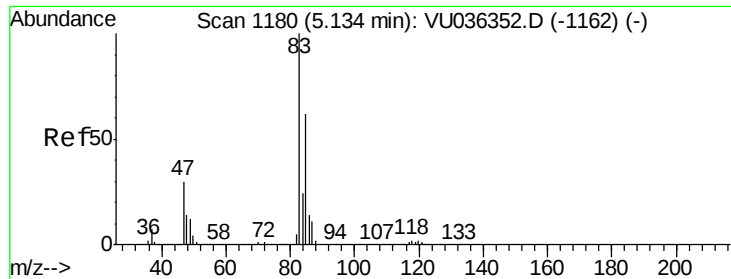
128 100

49 165.0 115.0 213.6

130 123.8 89.1 165.5

51 54.2 42.2 63.4

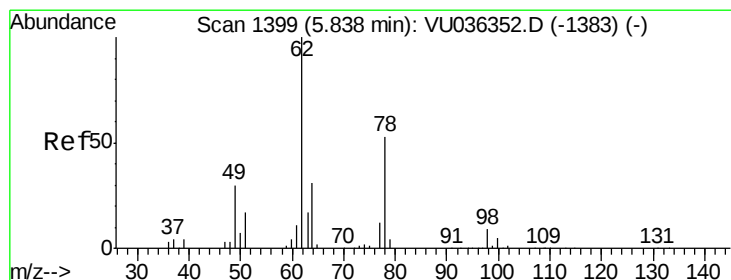
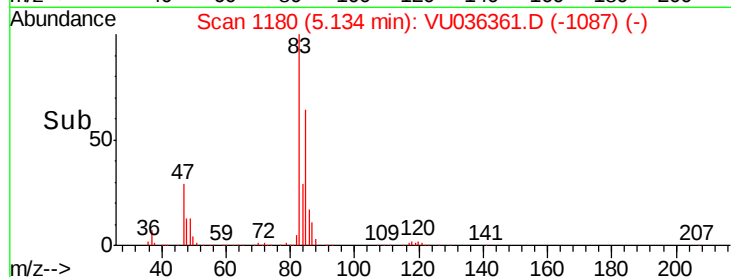
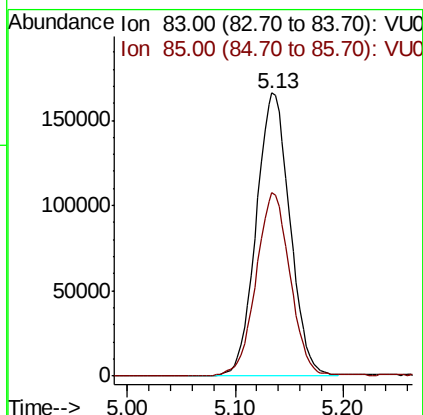
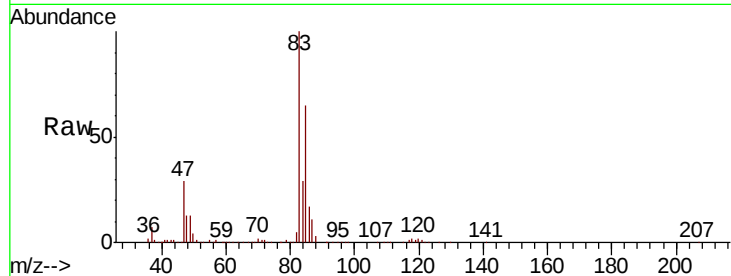




#25
Chloroform
Concen: 48.783 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

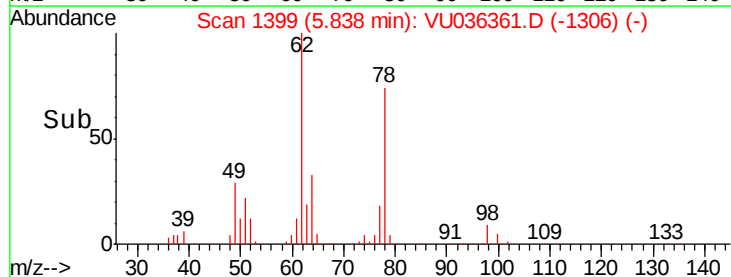
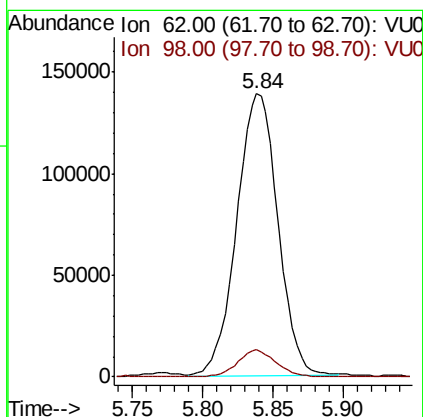
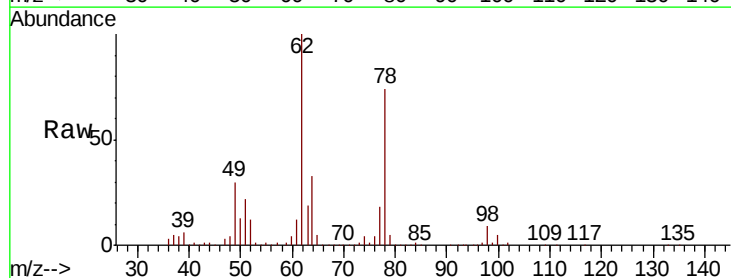
Instrument :
MSVOA_U
ClientSampleId :

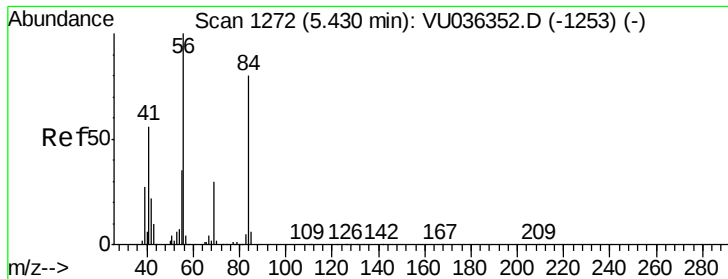
Tot Ion: 83 Resp: 358855
Ion Ratio Lower Upper
83 100
85 64.7 43.9 81.5



#27
1,2-Dichloroethane
Concen: 49.634 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion: 62 Resp: 282235
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

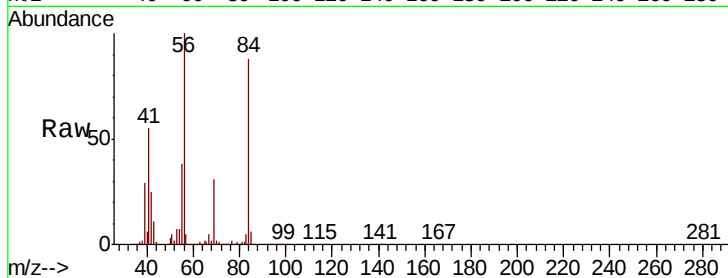




#29
Cyclohexane
Concen: 49.973 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.8	37.2
84	86.2	67.4	101.2

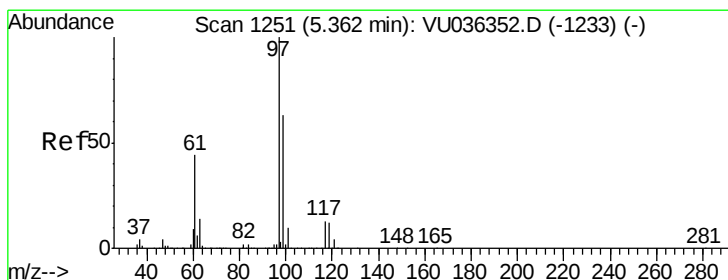
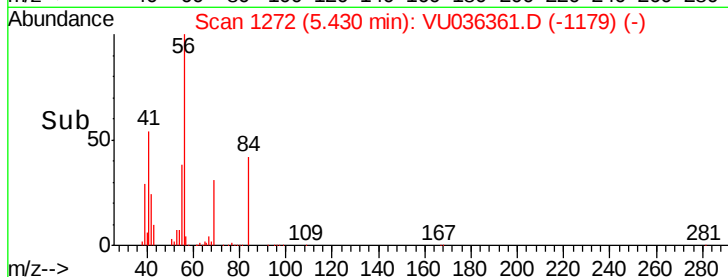
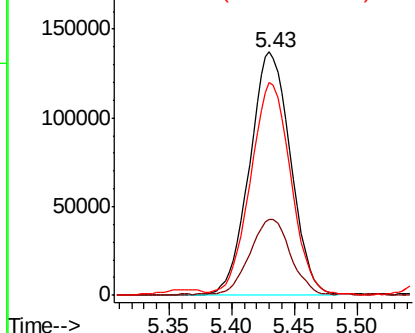


Abundance

Ion 56.00 (55.70 to 56.70): VU0

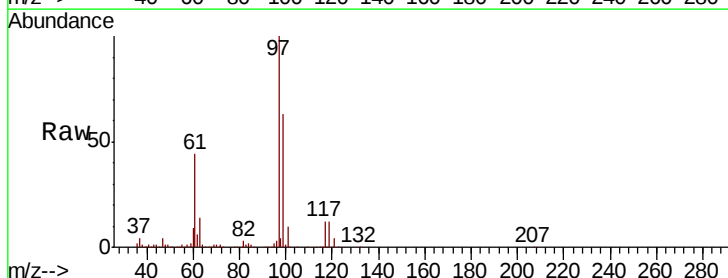
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30
1,1,1-Trichloroethane
Concen: 49.120 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	43.6	34.7	52.1

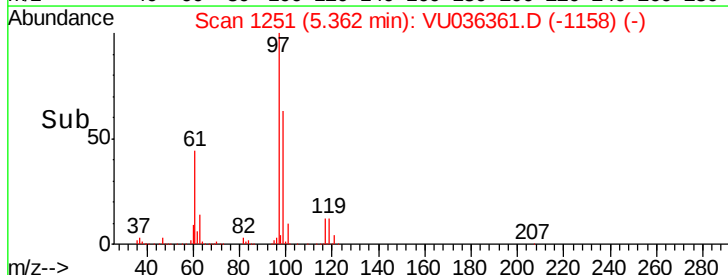
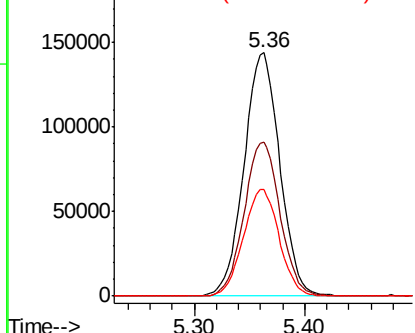


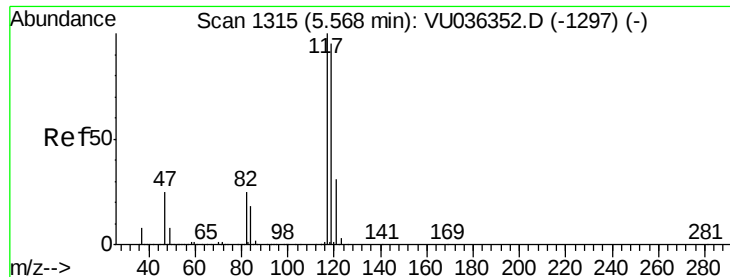
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 49.585 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

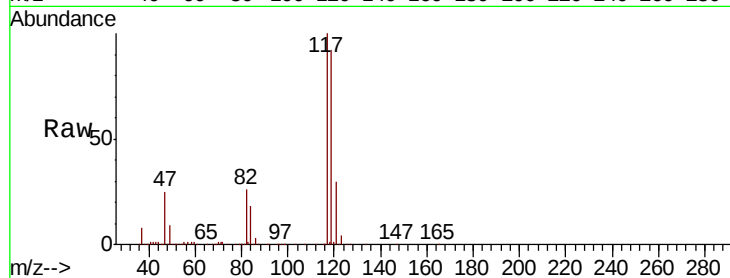
ClientSampleId :

Tot Ion:117 Resp: 282240

Ion Ratio Lower Upper

117 100

119 94.7 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

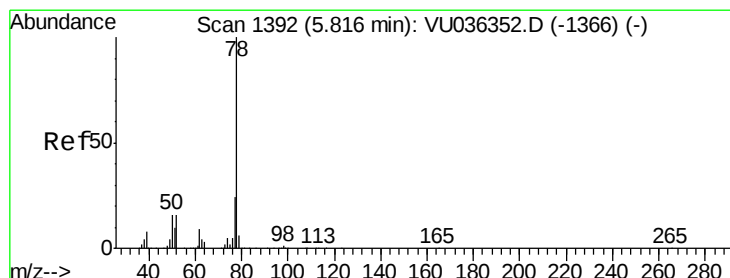
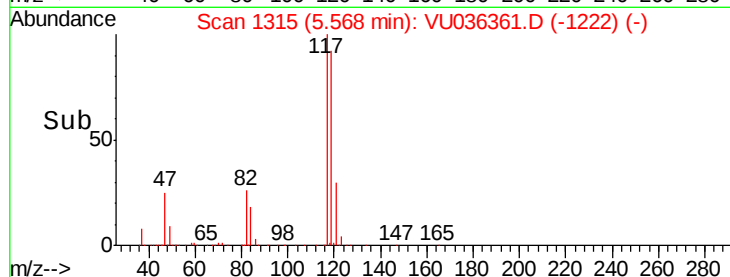
100000

50000

0

5.45 5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 49.019 ug/L

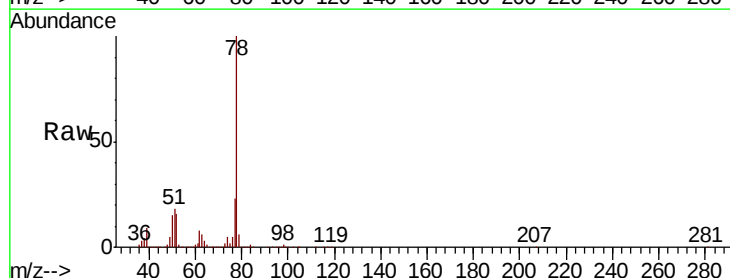
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Tgt Ion: 78 Resp: 771474



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

300000

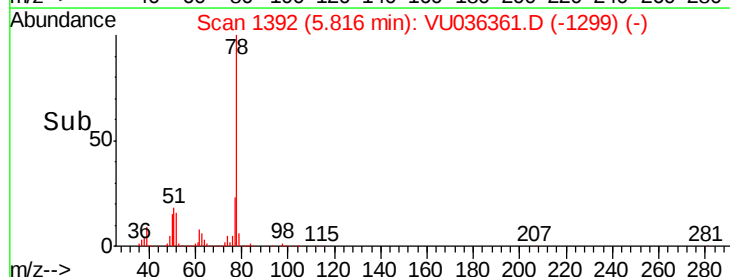
200000

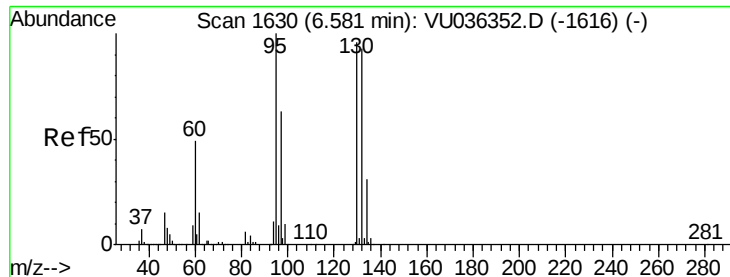
100000

0

5.70 5.80 5.90

Time-->

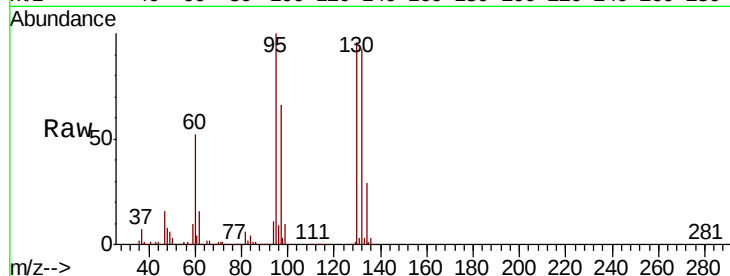




#34
Trichloroethene
Concen: 49.442 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	66.1	44.5	82.7
132	92.6	64.5	119.9
130	96.3	66.6	123.8



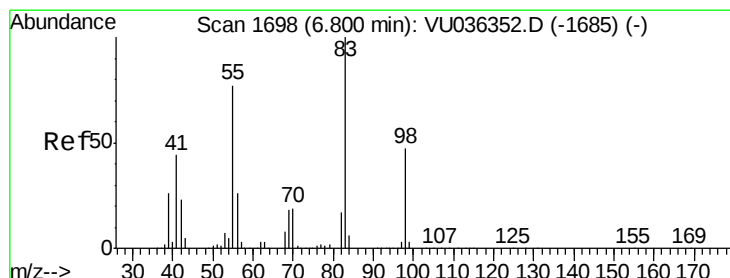
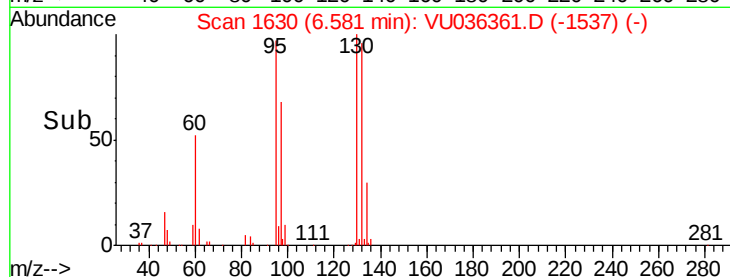
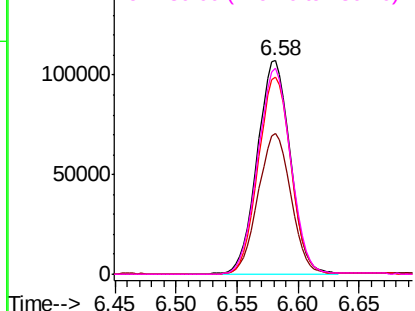
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

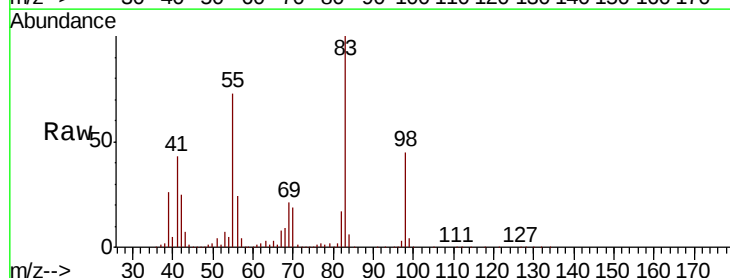
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
Methylcyclohexane
Concen: 49.803 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.0	90.0
98	45.3	36.2	54.4

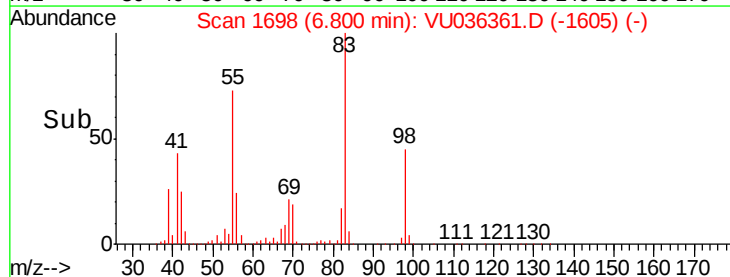
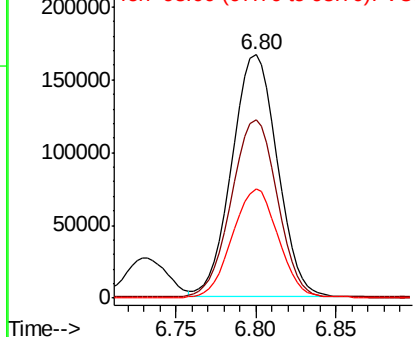


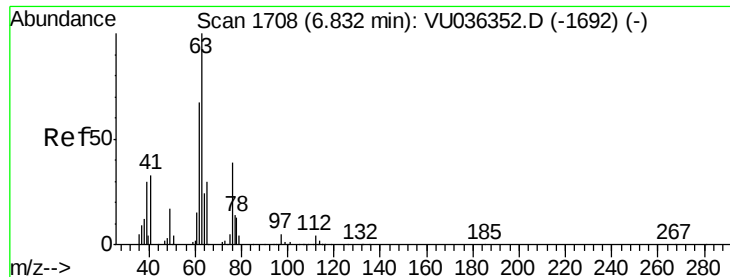
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 48.785 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

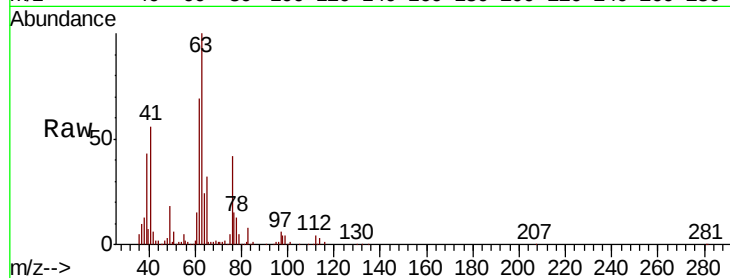
ClientSampleId :

Tot Ion: 63 Resp: 207909

Ion Ratio Lower Upper

63 100

112 4.0 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU036361.D (-1615) (-)

Ion 112.00 (111.70 to 112.70): VU036361.D (-1615) (-)

6.83

120000

100000

80000

60000

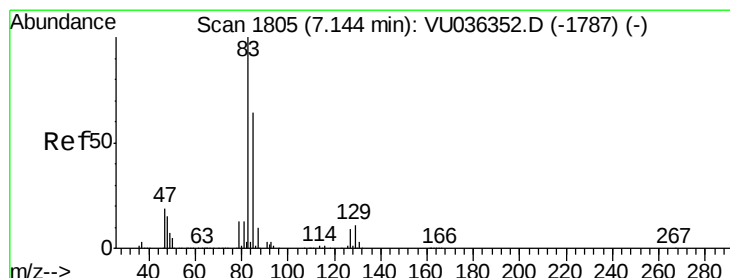
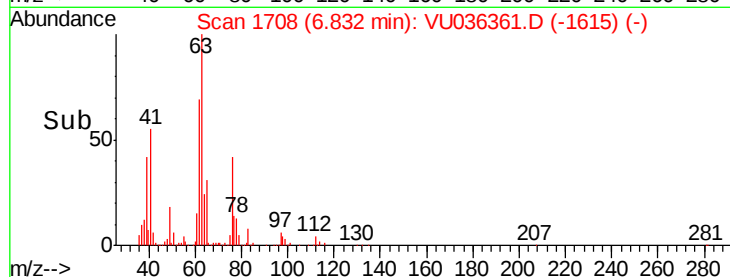
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 47.873 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

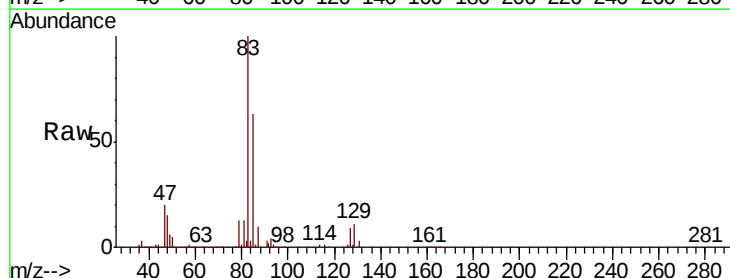
Tgt Ion: 83 Resp: 287822

Ion Ratio Lower Upper

83 100

85 63.1 45.3 84.1

127 8.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036361.D (-1712) (-)

Ion 85.00 (84.70 to 85.70): VU036361.D (-1712) (-)

Ion 127.00 (126.70 to 127.70): VU036361.D (-1712) (-)

7.14

200000

150000

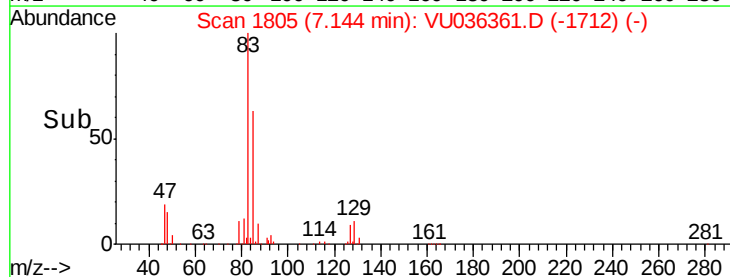
100000

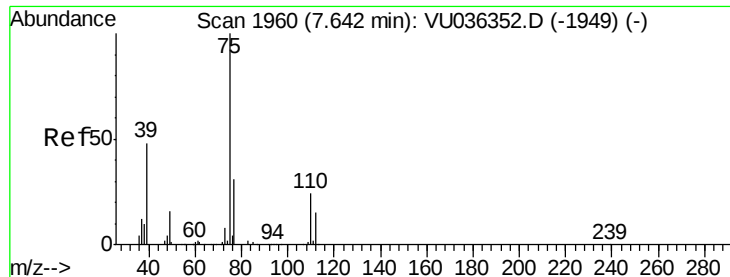
50000

0

7.05 7.10 7.15 7.20

Time-->

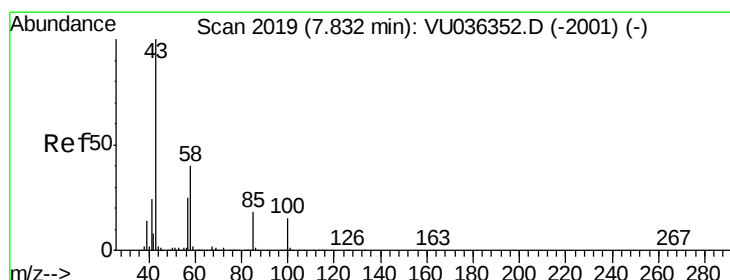
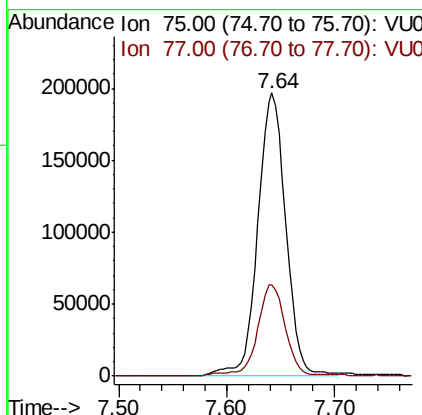
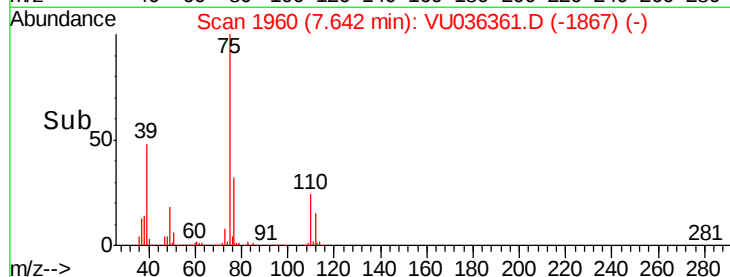
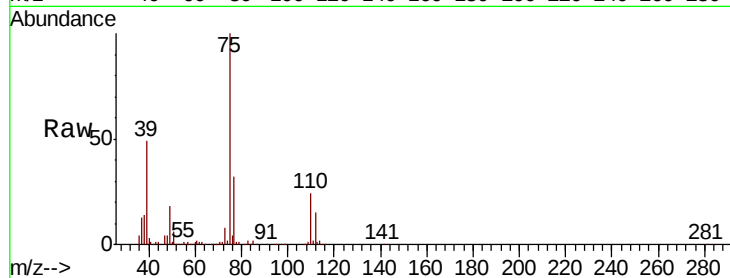




#39
 cis-1,3-Dichloropropene
 Concen: 49.784 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

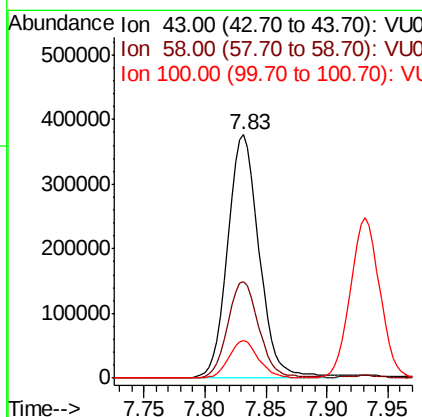
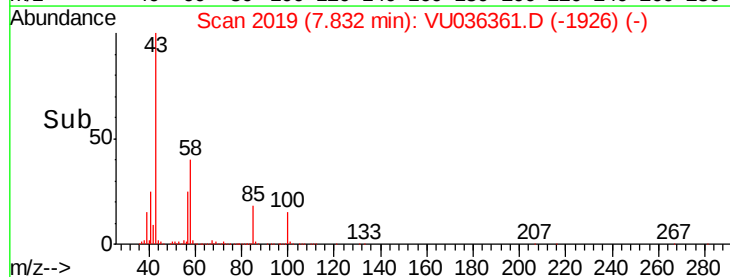
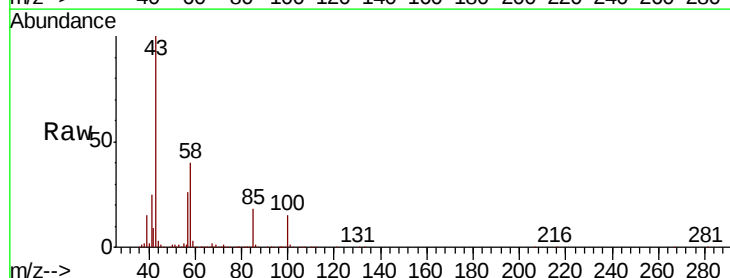
Instrument :
 MSVOA_U
 ClientSampleId :

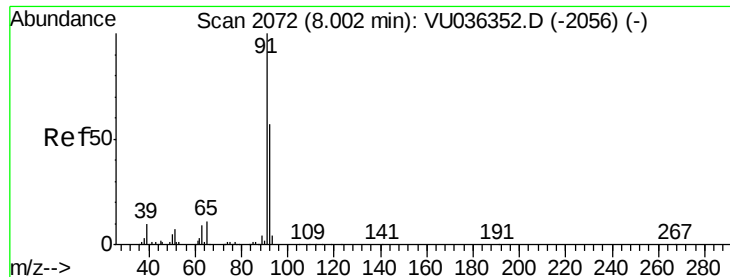
Tot Ion: 75 Resp: 355180
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 92.964 ug/L
 RT: 7.83 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

Tgt Ion: 43 Resp: 673245
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.6 47.4
 100 14.9 11.6 17.4





#42

Toluene

Concen: 48.772 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

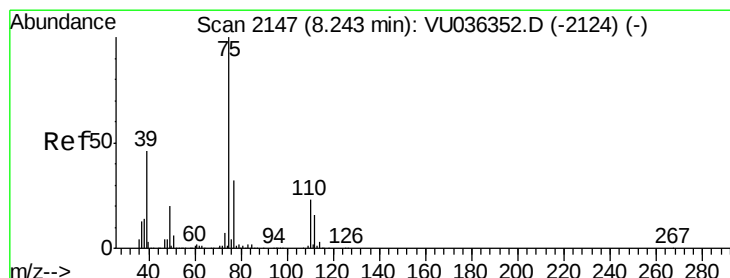
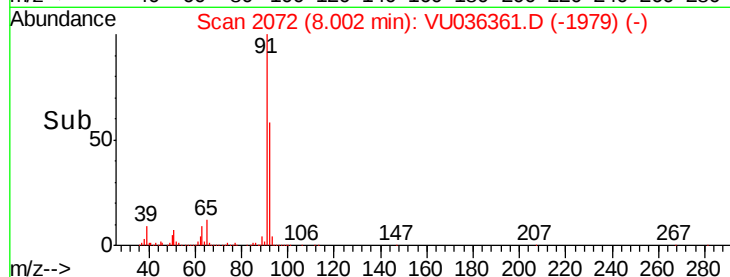
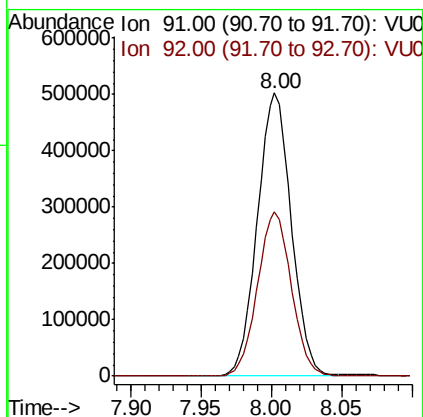
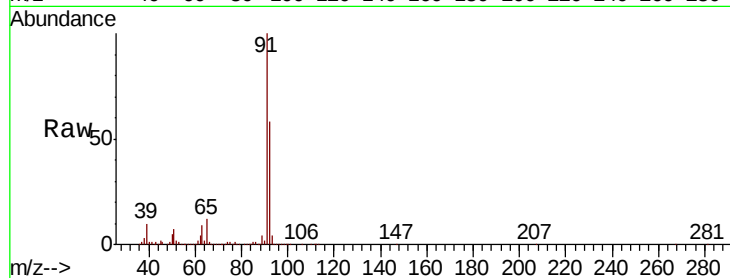
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 845242

Ion Ratio Lower Upper

91 100

92 57.8 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 48.354 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036361.D

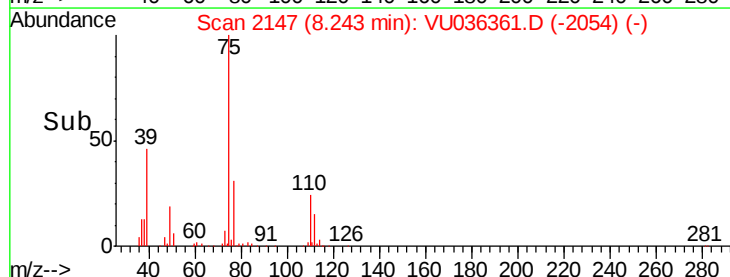
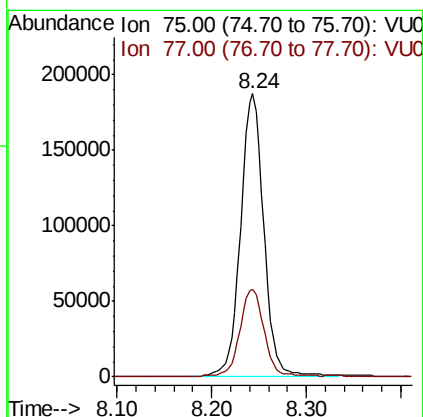
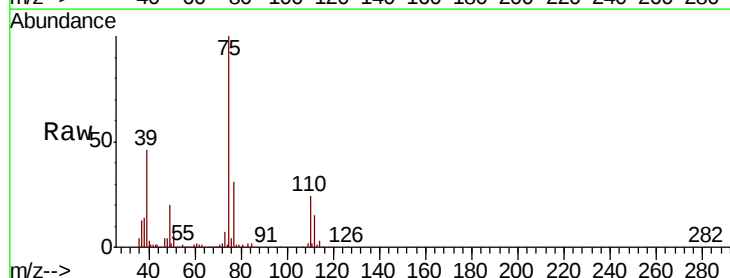
Acq: 27 Dec 2019 18:04

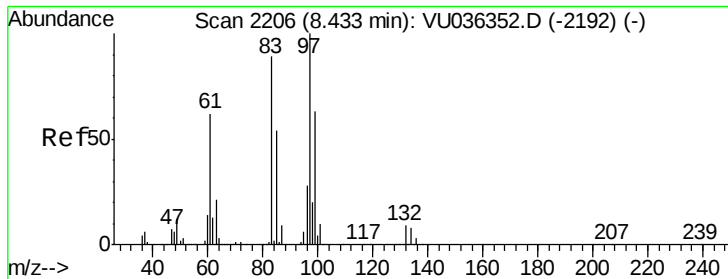
Tgt Ion: 75 Resp: 321386

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.9

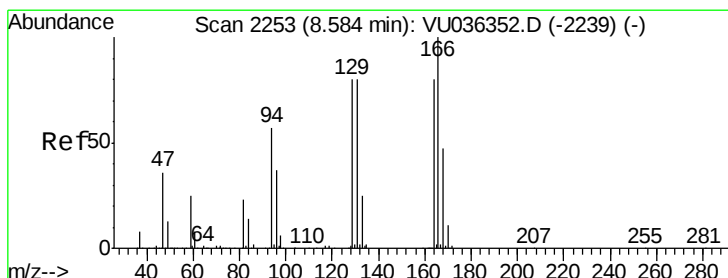
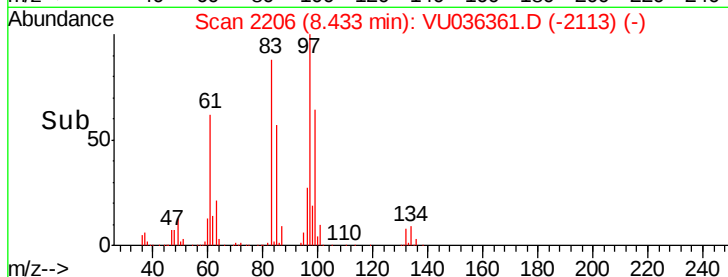
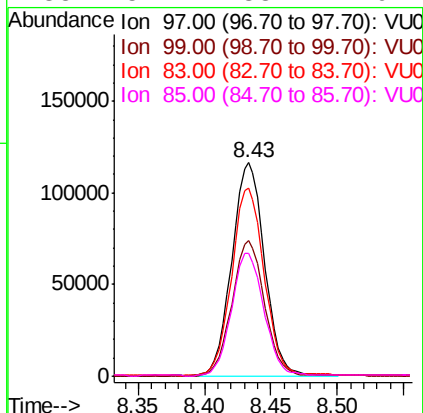
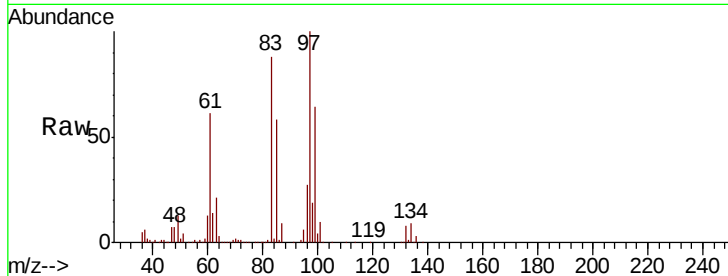




#45
 1,1,2-Trichloroethane
 Concen: 49.990 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

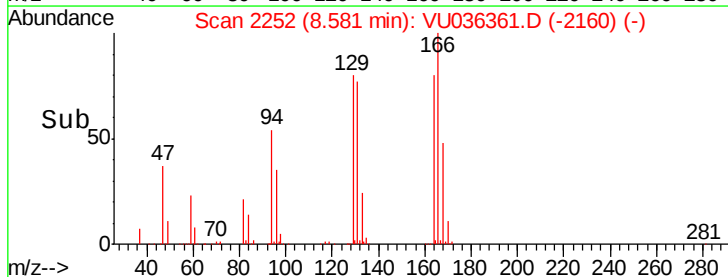
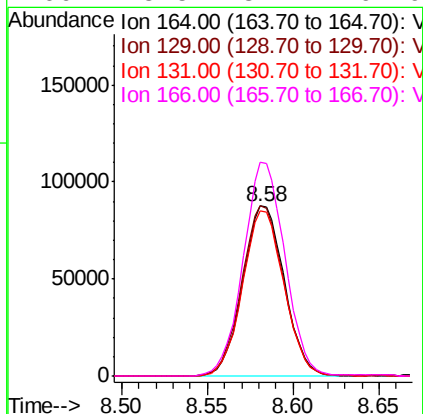
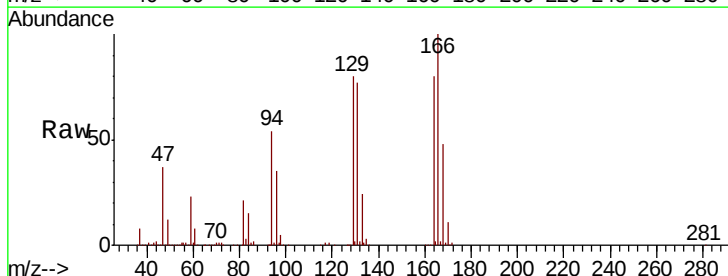
Instrument :
 MSVOA_U
 ClientSampleId :

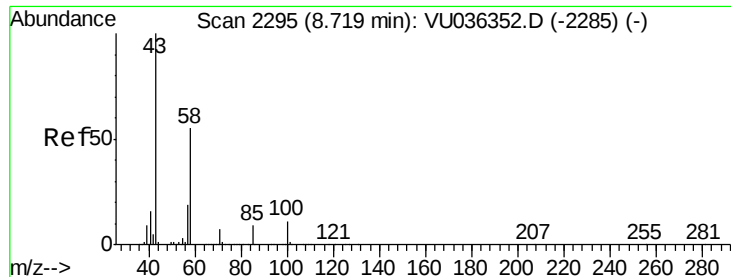
Tot Ion:	97	Resp:	198758
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.2	82.2
83	87.9	62.5	116.1
85	57.7	38.1	70.7



#46
 Tetrachloroethene
 Concen: 50.260 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

Tgt Ion:	164	Resp:	146727
Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.0	130.0
131	97.1	70.1	130.1
166	125.5	87.2	161.9

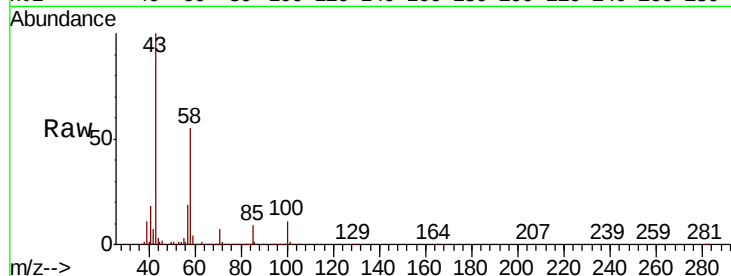




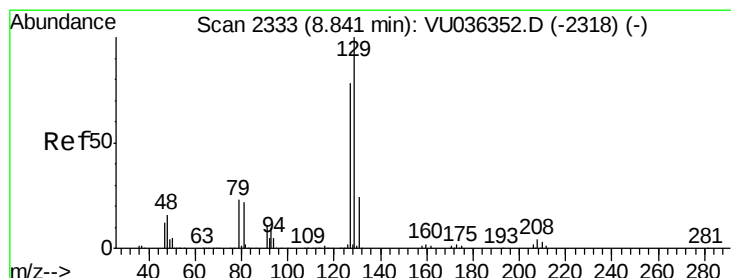
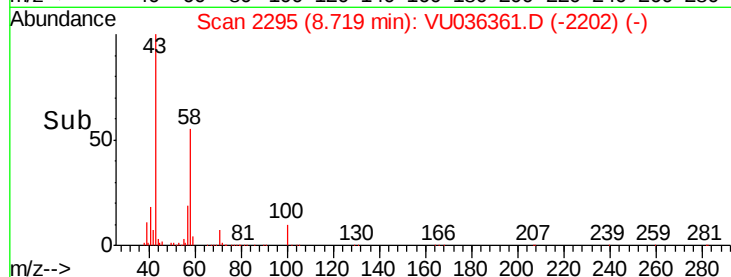
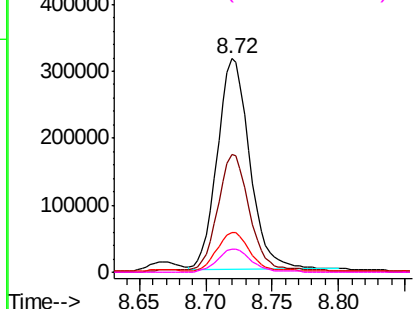
#48
2-Hexanone
Concen: 96.313 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 536684
Ion Ratio Lower Upper
43 100
58 56.2 42.2 63.4
57 17.9 14.8 22.2
100 11.7 8.8 13.2

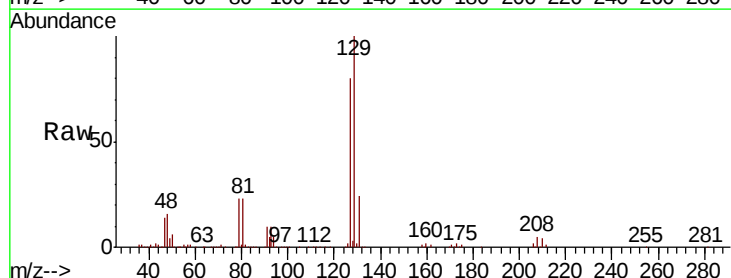


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

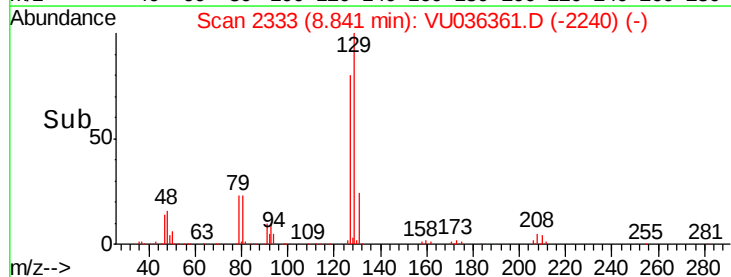
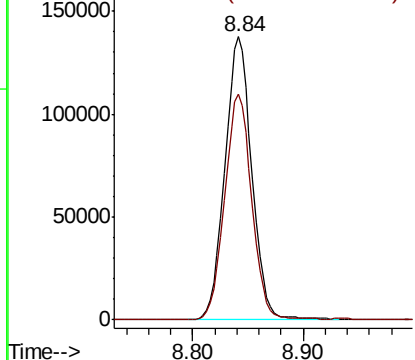


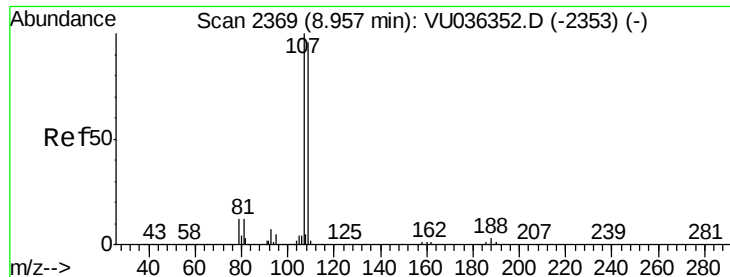
#49
Dibromochloromethane
Concen: 47.692 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion: 129 Resp: 232753
Ion Ratio Lower Upper
129 100
127 79.6 54.8 101.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

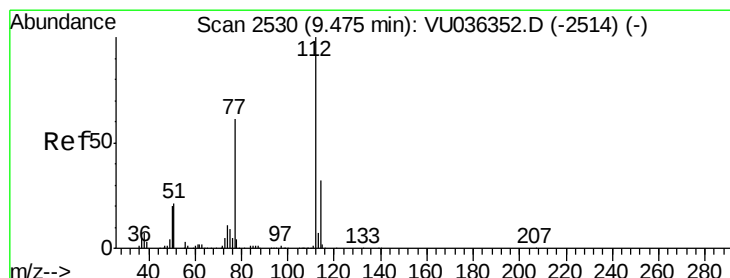
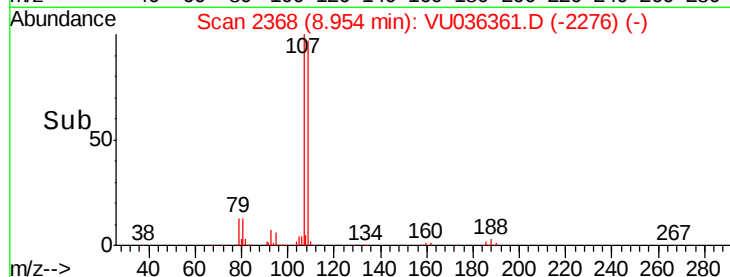
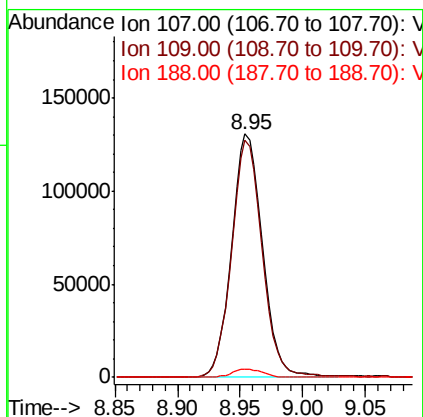
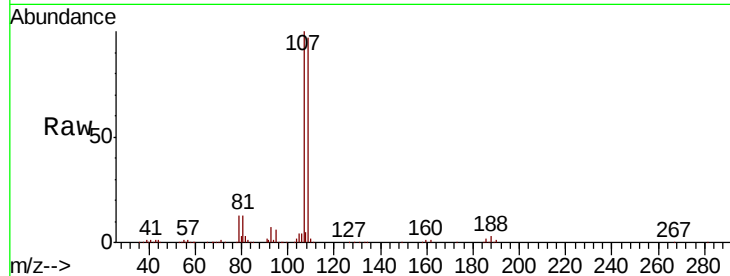




#50
1,2-Dibromoethane
Concen: 48.499 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

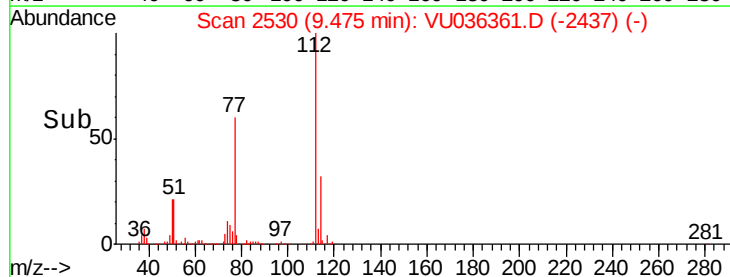
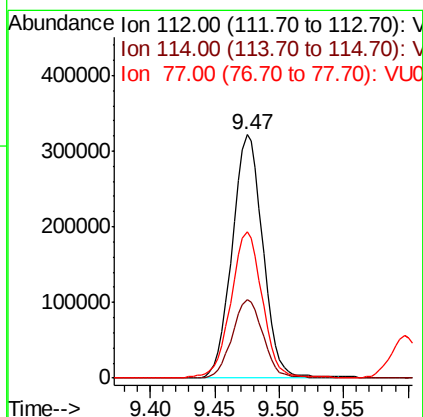
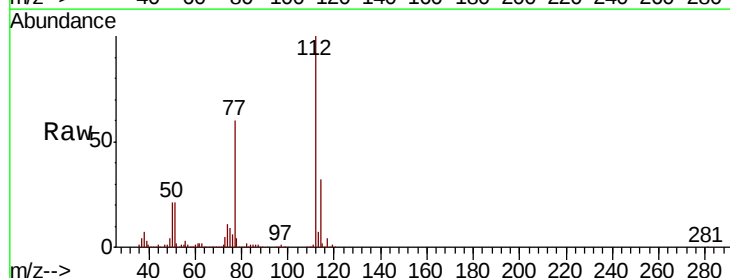
Instrument :
MSVOA_U
ClientSampleId :

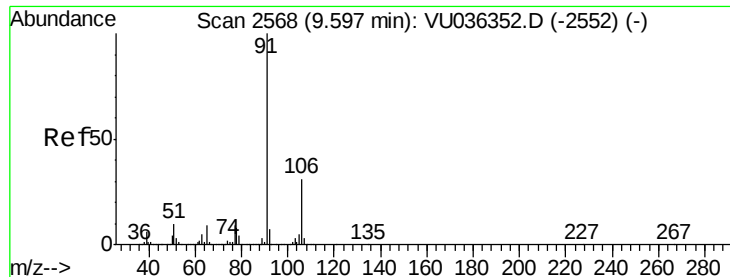
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	67.3	124.9
188	3.5	2.6	3.8



#51
Chlorobenzene
Concen: 48.607 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036361.D
Acq: 27 Dec 2019 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	60.1	48.7	73.1





#52

Ethylbenzene

Concen: 48.798 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

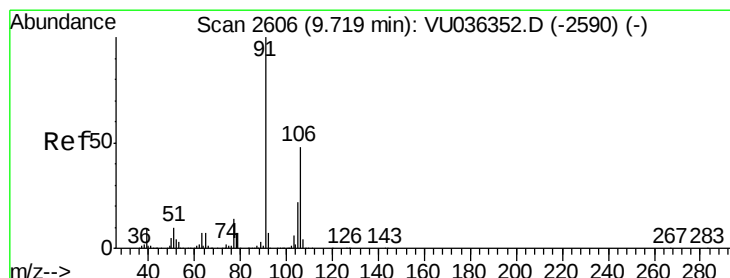
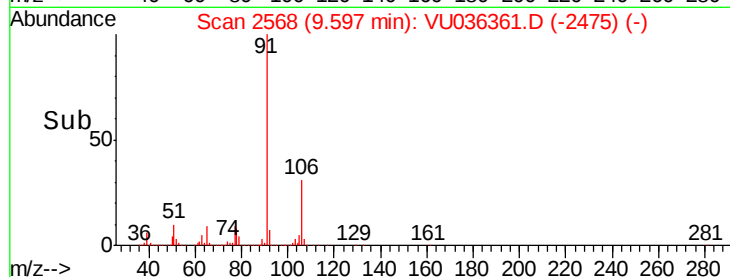
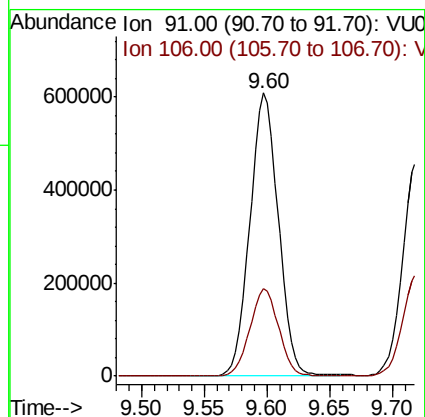
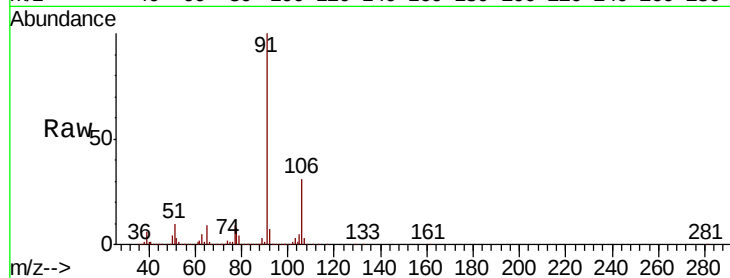
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 962515

Ion Ratio Lower Upper

91 100

106 30.9 22.0 40.8



#53

m,p-Xylene

Concen: 49.713 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036361.D

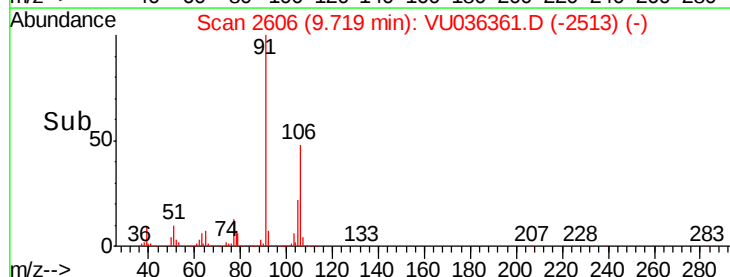
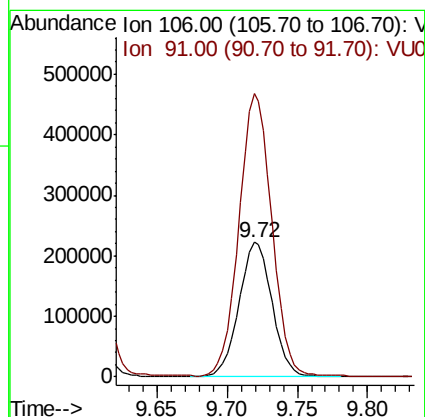
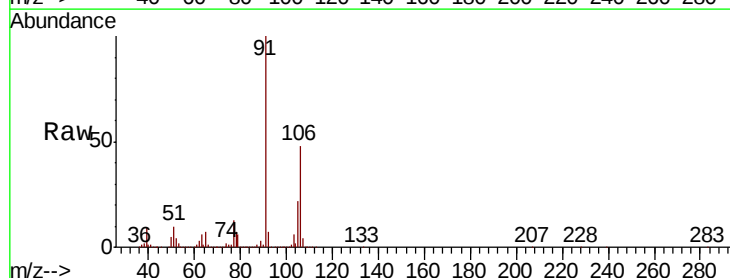
Acq: 27 Dec 2019 18:04

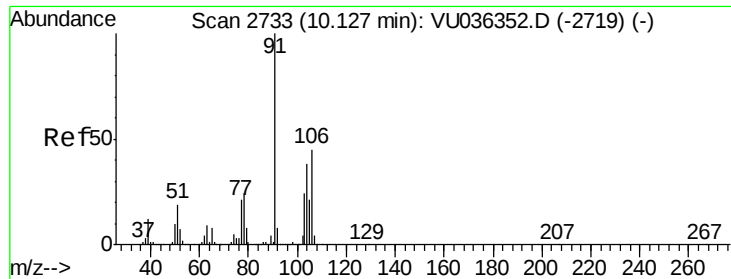
Tgt Ion: 106 Resp: 363742

Ion Ratio Lower Upper

106 100

91 210.1 146.8 272.6





#54

o-xylene

Concen: 48.697 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

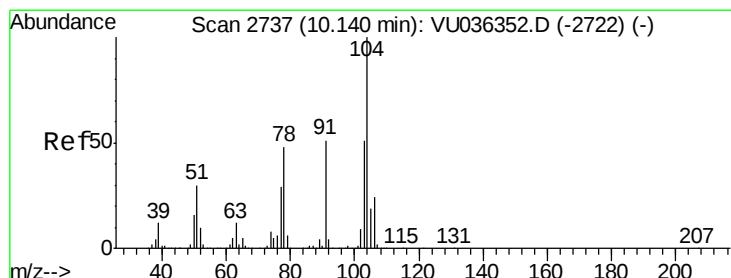
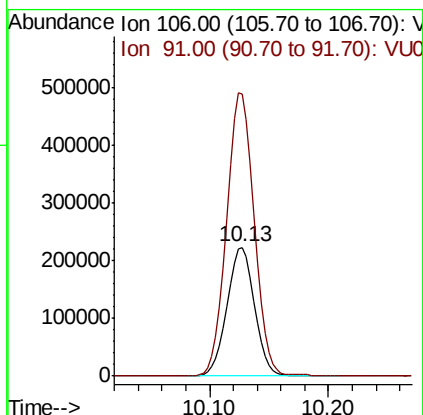
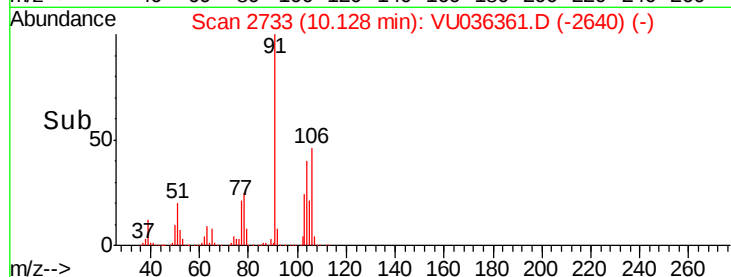
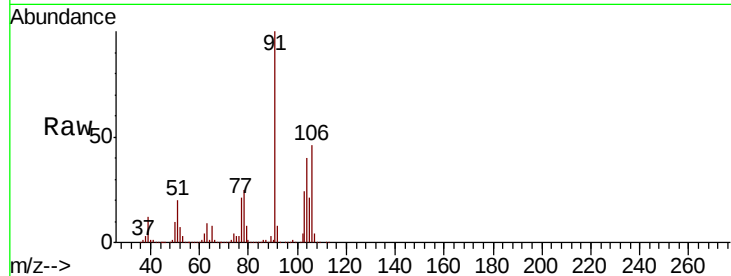
ClientSampleId :

Tot Ion:106 Resp: 357511

Ion Ratio Lower Upper

106 100

91 218.7 156.4 290.4



#55

Styrene

Concen: 49.904 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036361.D

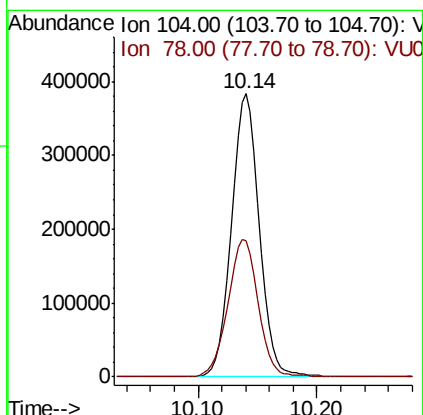
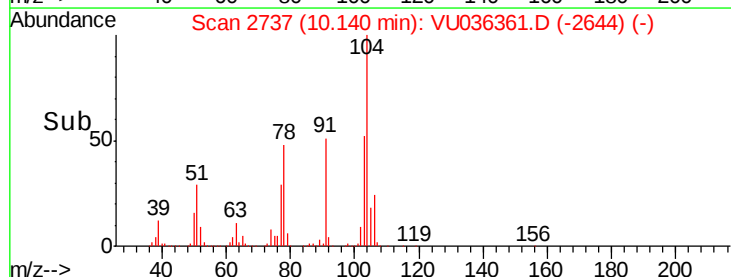
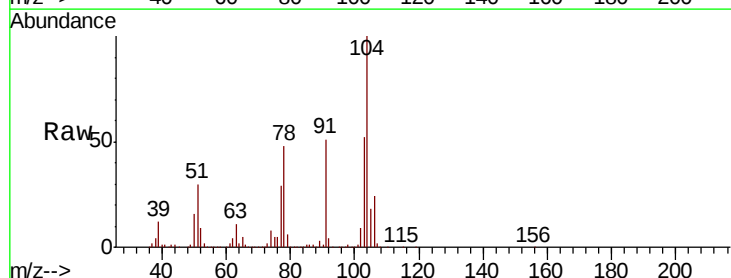
Acq: 27 Dec 2019 18:04

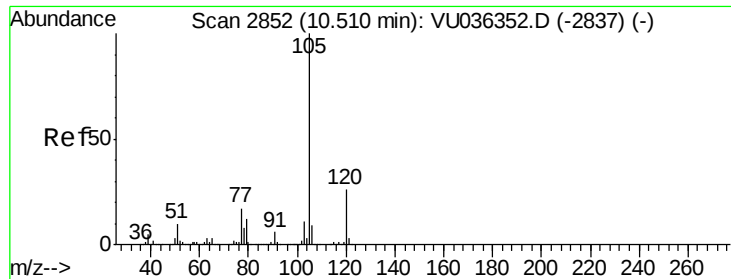
Tgt Ion:104 Resp: 619466

Ion Ratio Lower Upper

104 100

78 48.1 33.9 63.0





#56

Isopropylbenzene

Concen: 49.008 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

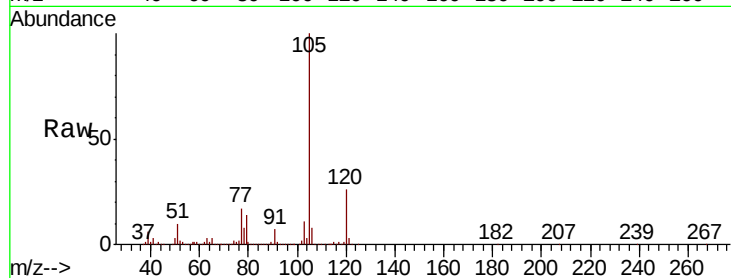
Tot Ion:105 Resp: 937770

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

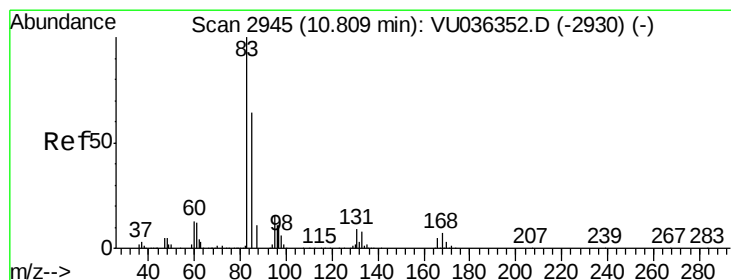
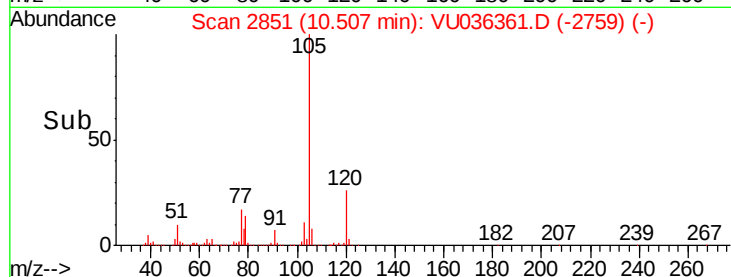
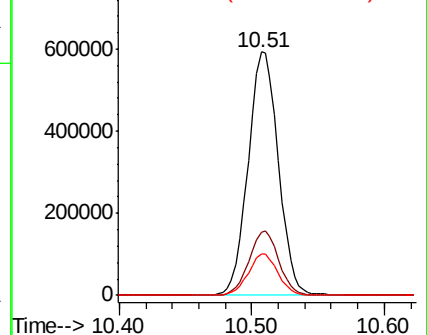
77 16.6 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.243 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

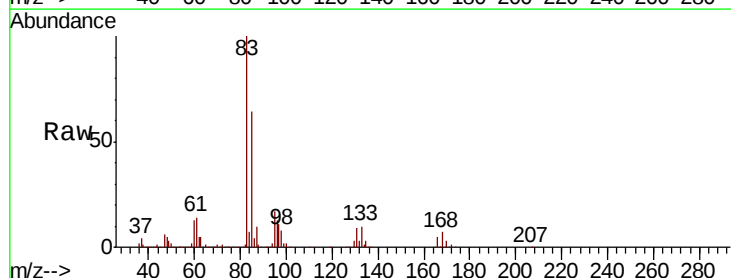
Tgt Ion: 83 Resp: 362568

Ion Ratio Lower Upper

83 100

85 63.8 45.3 84.1

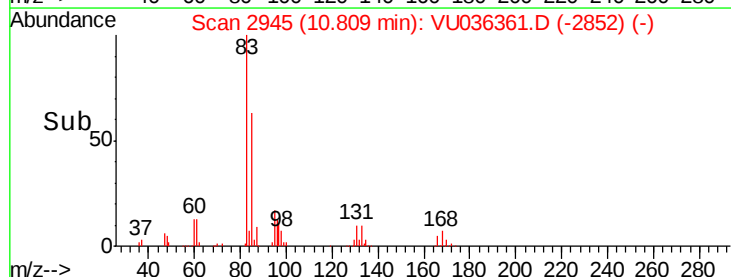
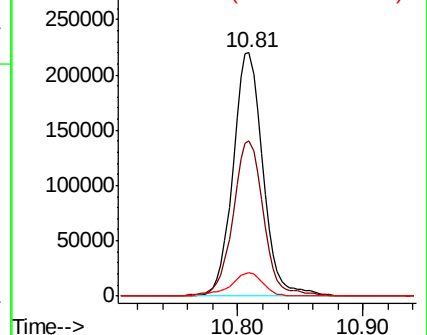
131 9.5 7.5 11.3

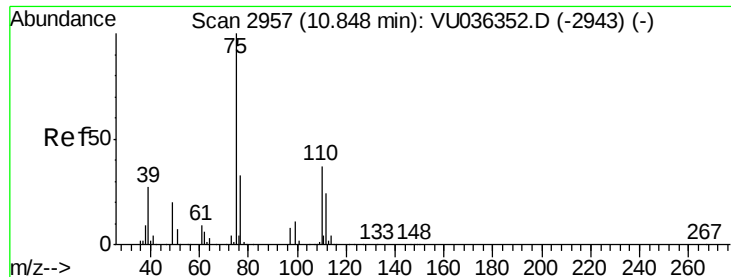


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.725 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

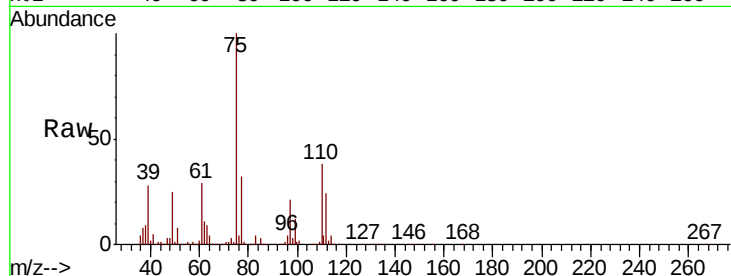
ClientSampleId :

Tot Ion: 75 Resp: 285371

Ion Ratio Lower Upper

75 100

77 32.2 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU036352.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU036352.D (-2943) (-)

10.85

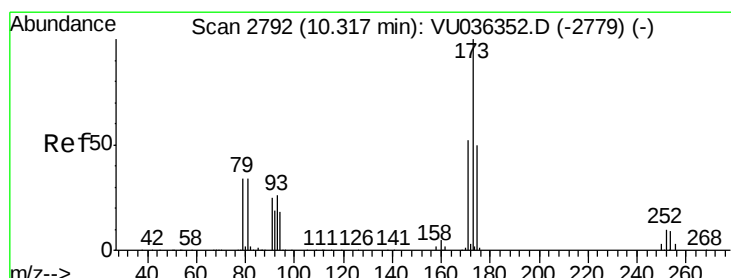
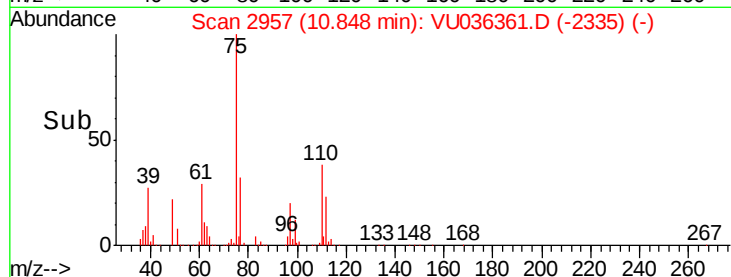
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 46.452 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

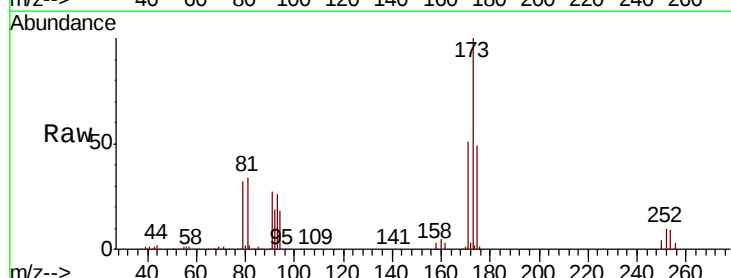
Tgt Ion: 173 Resp: 179211

Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 9.6 6.9 10.3



Abundance Ion 173.00 (172.70 to 173.70): VU036352.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU036352.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU036352.D (-2779) (-)

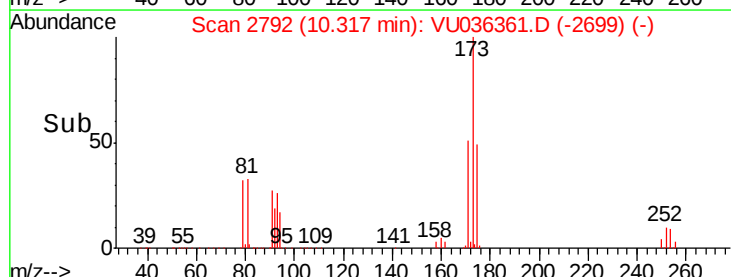
10.32

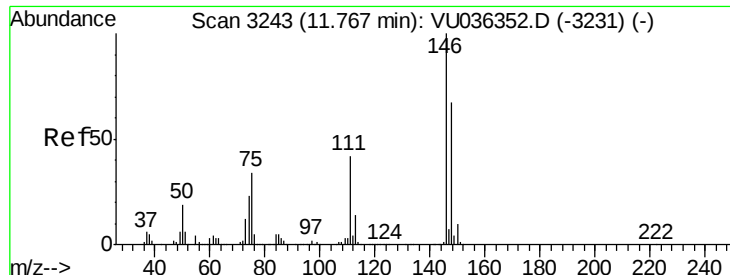
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.197 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

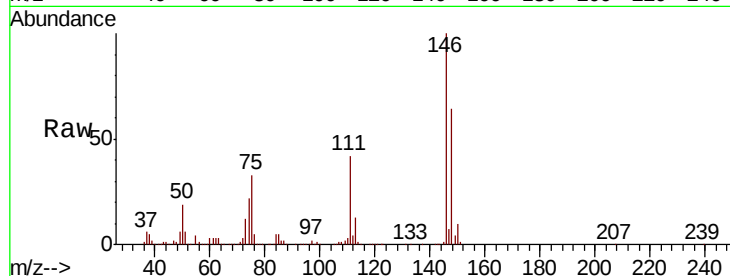
Tot Ion:146 Resp: 412734

Ion Ratio Lower Upper

146 100

111 42.0 29.1 54.1

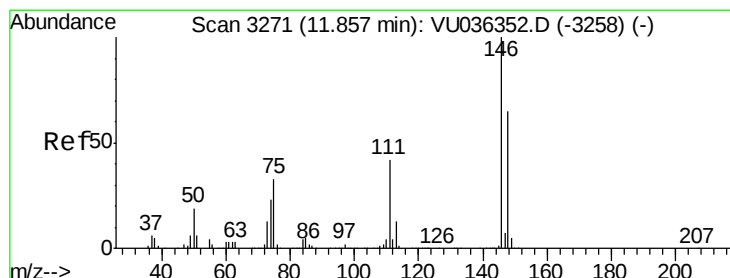
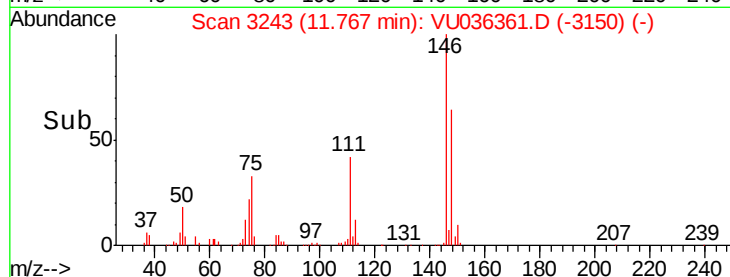
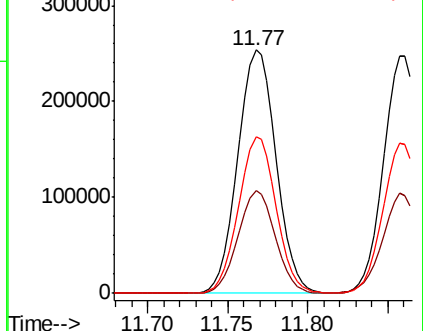
148 64.2 46.9 87.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.052 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

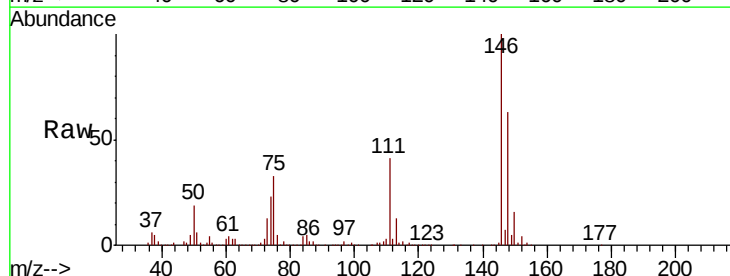
Tgt Ion:146 Resp: 399895

Ion Ratio Lower Upper

146 100

111 41.5 29.7 55.1

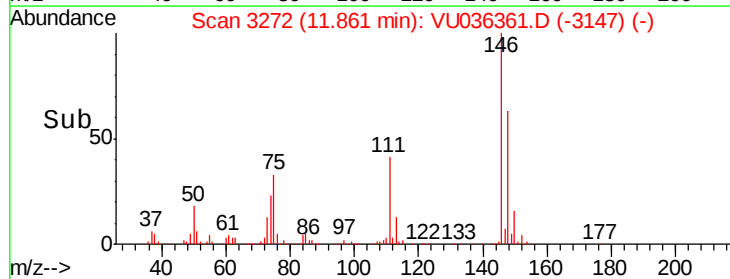
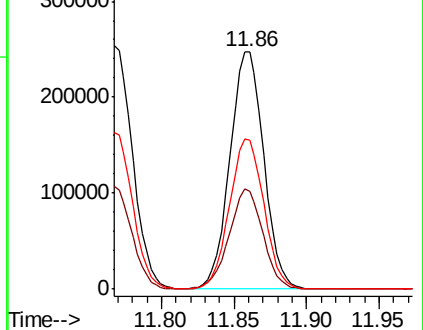
148 62.6 45.6 84.6

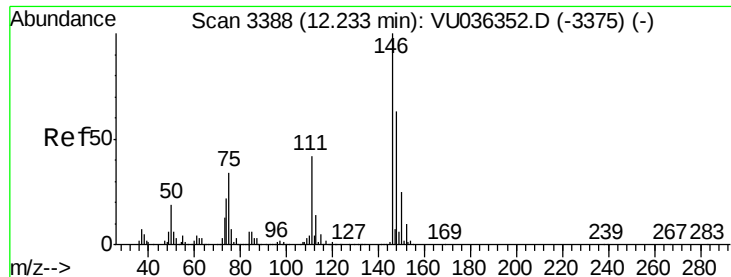


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.946 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

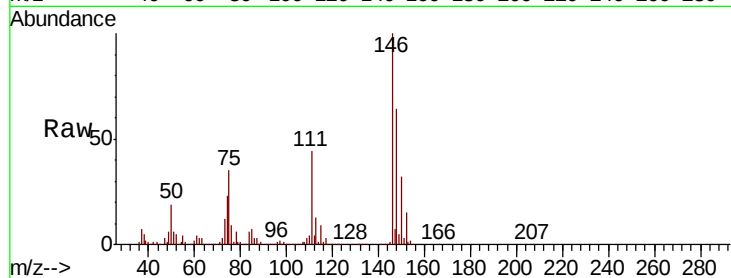
Tot Ion:146 Resp: 411421

Ion Ratio Lower Upper

146 100

111 44.1 33.4 50.2

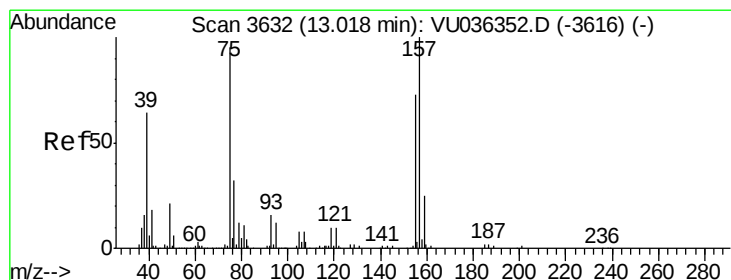
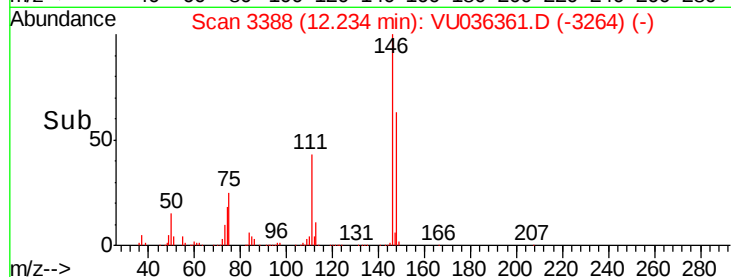
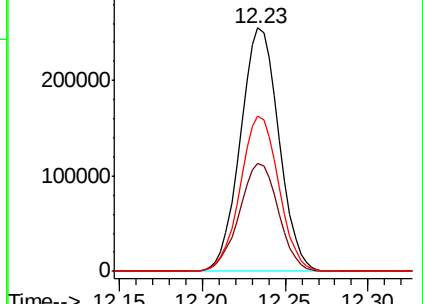
148 63.7 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 46.440 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

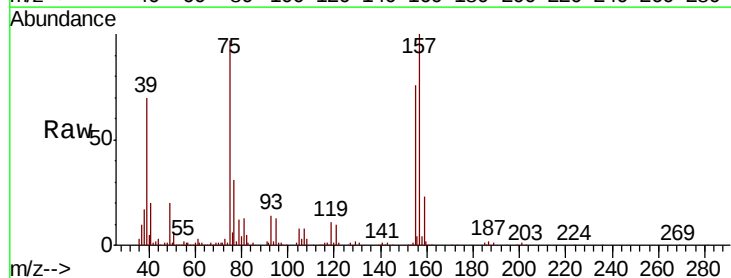
Tgt Ion: 75 Resp: 91089

Ion Ratio Lower Upper

75 100

155 78.1 61.8 92.6

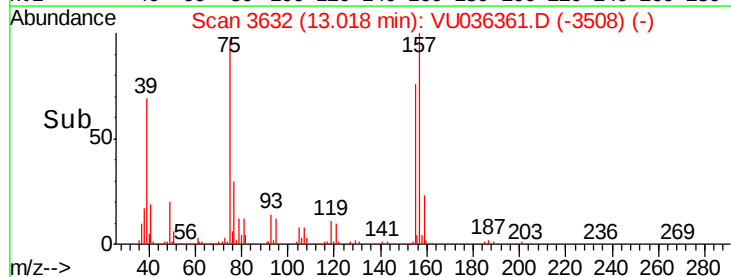
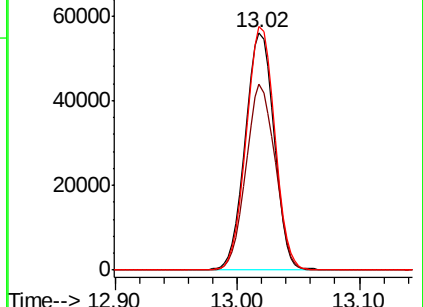
157 102.6 84.2 126.2

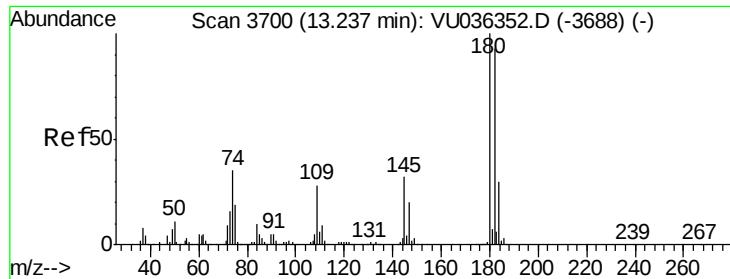


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

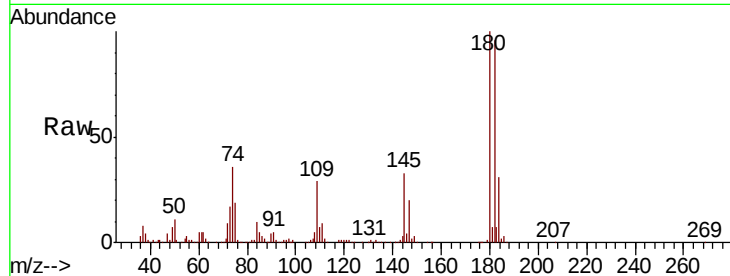




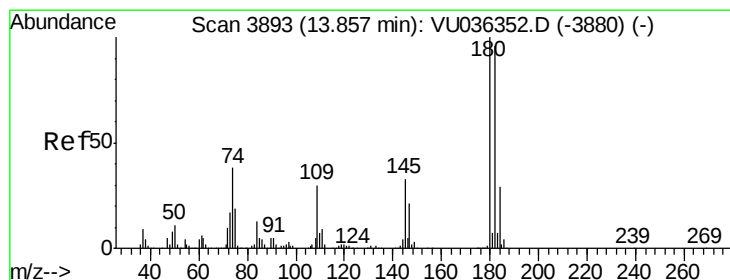
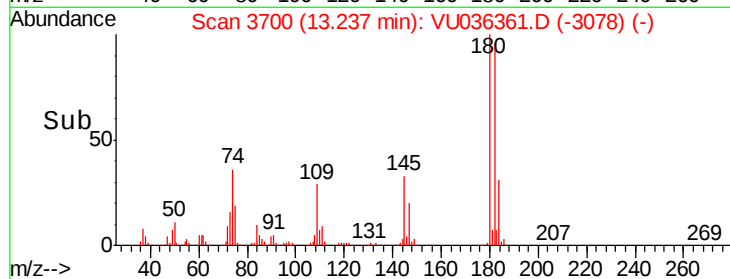
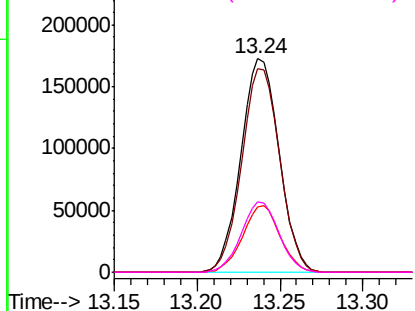
#67
 1,3,5-Trichlorobenzene
 Concen: 49.643 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	276563
Ion Ratio	Lower	Upper
180	100	
182	94.7	74.6 112.0
184	30.6	23.9 35.9
145	32.5	25.4 38.2

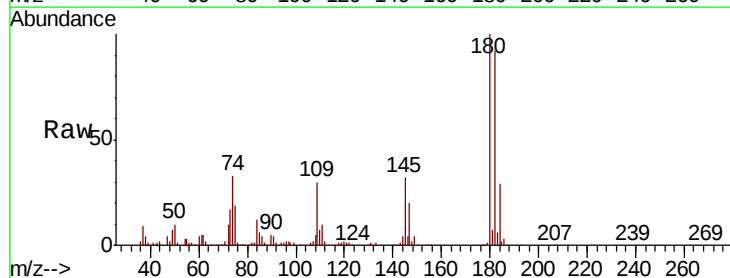


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

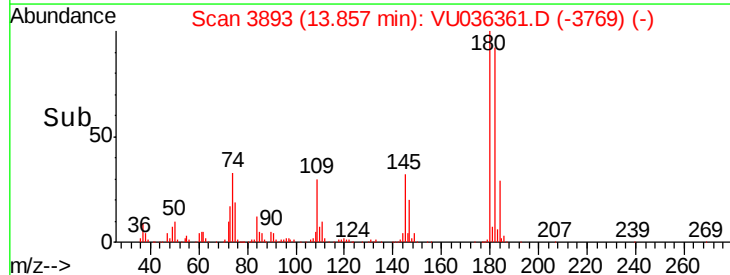
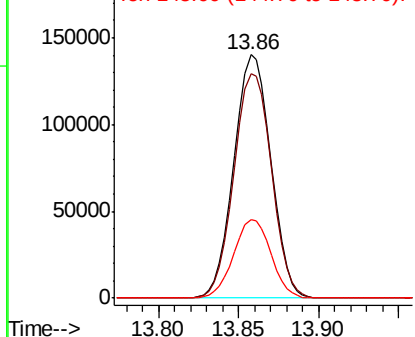


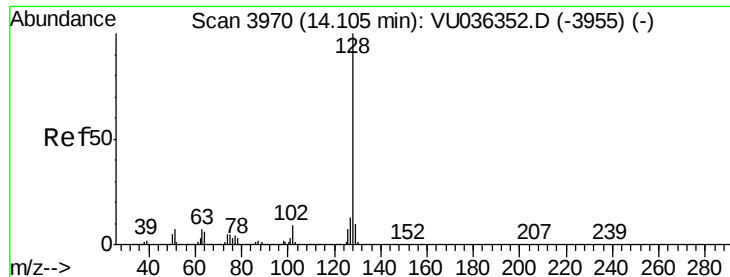
#68
 1,2,4-trichlorobenzene
 Concen: 52.352 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036361.D
 Acq: 27 Dec 2019 18:04

Tgt Ion:180	Resp:	221036
Ion Ratio	Lower	Upper
180	100	
182	94.1	78.0 117.0
145	32.4	26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.992 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

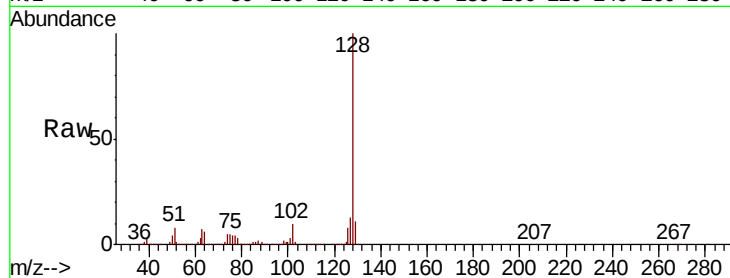
Tot Ion:128 Resp: 739795

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

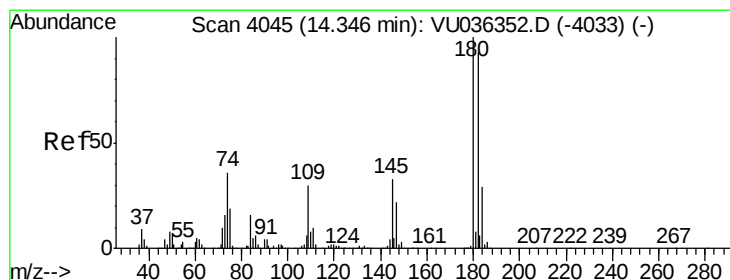
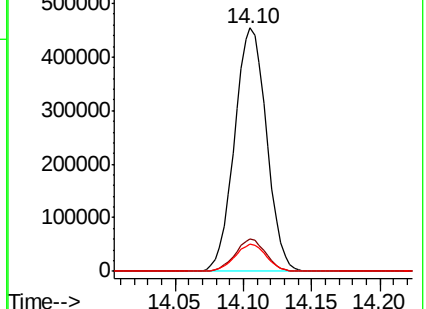
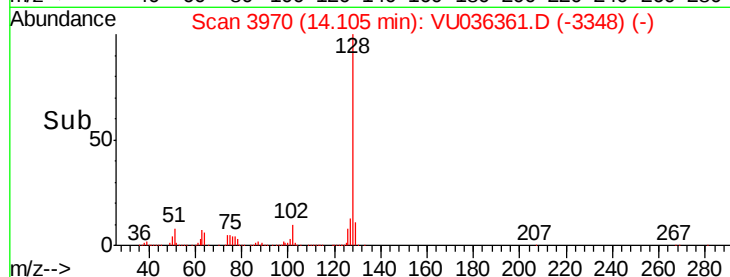
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.436 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036361.D

Acq: 27 Dec 2019 18:04

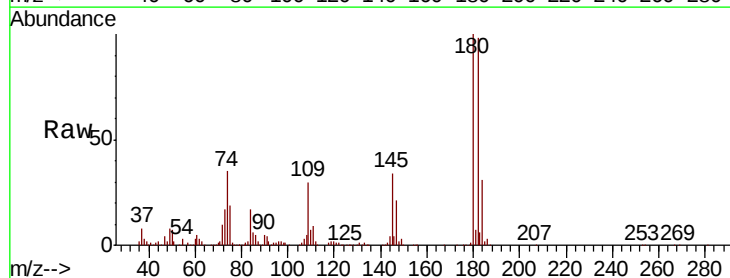
Tgt Ion:180 Resp: 223634

Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.2

145 33.4 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

