

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014159.D
 Acq On : 23 Dec 2019 13:53
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:30:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:28:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	392430	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	357473	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	194835	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	141272	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	118008	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.13	63	247042	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	3.95	46	279121	52.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.10%
24) Chloroform-d	4.40	84	271646	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	130192	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.09	84	541519	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.11	67	162142	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.35	98	494186	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
43) trans-1,3-Dichloropropene-	7.66	79	59555	5.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.60%
46) 2-Hexanone-d5	8.13	63	225351	56.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107881	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	182437	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	167543	5.288 ug/L	99
3) Chloromethane	1.25	50	169433	5.191 ug/L	99
5) Vinyl chloride	1.32	62	159544	5.229 ug/L	98
6) Bromomethane	1.53	94	90776	5.397 ug/L	98
8) Chloroethane	1.60	64	93815	5.174 ug/L	99
9) Trichlorofluoromethane	1.77	101	218156	5.304 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	123515	5.328 ug/L	98
12) 1,1-Dichloroethene	2.14	96	118983	5.258 ug/L	96
13) Acetone	2.21	43	180663	41.755 ug/L	98
14) Carbon disulfide	2.32	76	407149	5.415 ug/L	100
15) Methyl Acetate	2.47	43	51035	4.996 ug/L #	91
16) Methylene chloride	2.53	84	146266	4.808 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	296123	5.319 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	143527	5.363 ug/L	98
19) 1,1-Dichloroethane	3.23	63	263775	5.311 ug/L	98
21) 2-Butanone	4.03	43	319616	53.928 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	147892	5.367 ug/L #	99

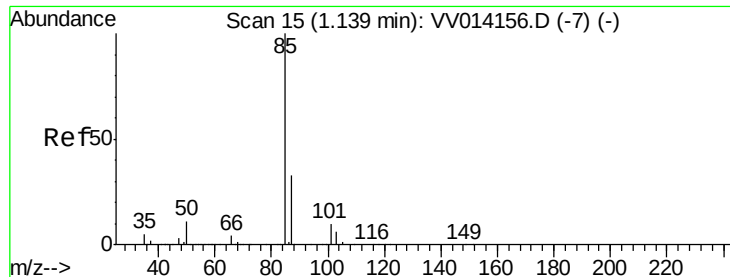
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014159.D
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Quant Time: Dec 24 01:30:19 2019
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:28:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	64461	5.062	ug/L	92
25) Chloroform	4.42	83	269726	5.298	ug/L	99
27) 1,2-Dichloroethane	5.18	62	156067	5.386	ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	230436	5.542	ug/L	99
30) Cyclohexane	4.72	56	238044	5.984	ug/L	98
31) Carbon tetrachloride	4.87	117	207231	5.600	ug/L	100
33) Benzene	5.14	78	578842	5.740	ug/L	100
34) Trichloroethene	5.96	95	152013	5.722	ug/L	93
35) Methylcyclohexane	6.17	83	235866	5.982	ug/L	100
37) 1,2-Dichloropropane	6.22	63	140941	5.663	ug/L	100
38) Bromodichloromethane	6.55	83	177342	5.478	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	198600	5.665	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	797011	58.782	ug/L	99
42) Toluene	7.43	91	607396	5.758	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	153441	5.567	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	93853	5.429	ug/L	97
47) Tetrachloroethene	8.01	164	131995	5.512	ug/L	97
48) 2-Hexanone	8.18	43	573040	57.851	ug/L	99
49) Dibromochloromethane	8.29	129	118843	5.427	ug/L	99
50) 1,2-Dibromoethane	8.39	107	87224	5.489	ug/L #	94
51) Chlorobenzene	8.92	112	372809	5.408	ug/L	98
52) Ethylbenzene	9.05	91	614095	5.588	ug/L	100
53) m,p-xylene	9.18	106	239142	5.631	ug/L	98
54) o-xylene	9.58	106	228359	5.718	ug/L	99
55) Styrene	9.60	104	402094	5.832	ug/L	99
56) Isopropylbenzene	9.97	105	614543	5.822	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	106061	5.237	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	80813	5.381	ug/L	98
61) Bromoform	9.77	173	68044	5.066	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	329082	5.787	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	327456	5.686	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	289498	5.468	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	16632	5.123	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	263775	5.641	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	211429	5.543	ug/L	99
69) Naphthalene	13.55	128	291207	5.817	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	198001	5.627	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.288 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

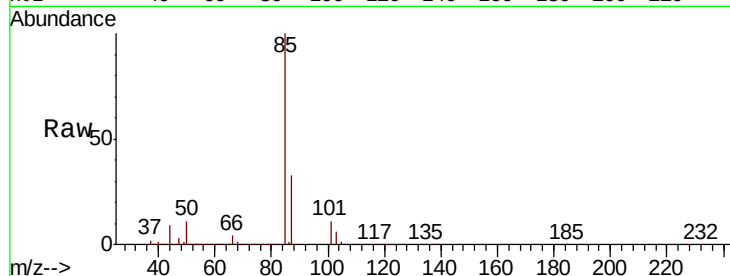
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 167543

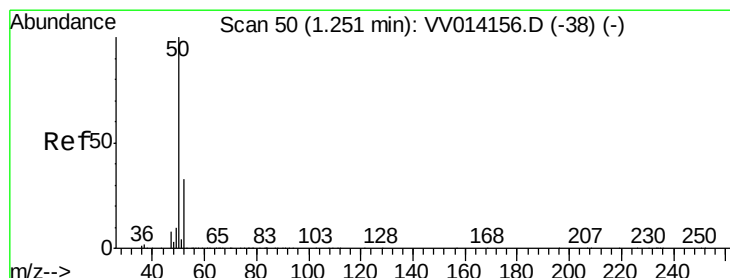
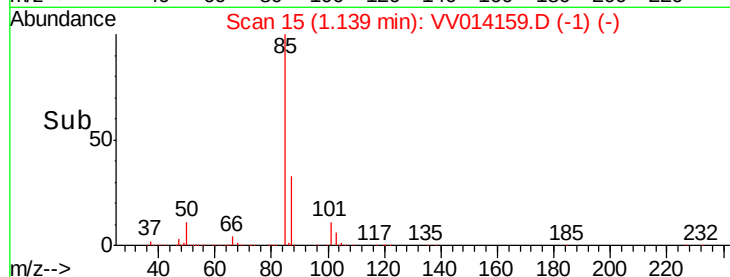
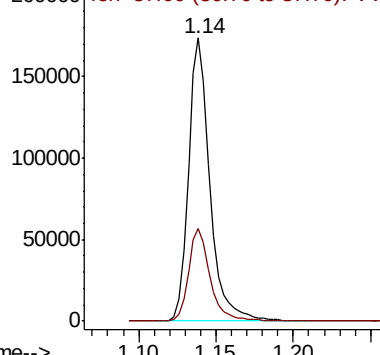
Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.191 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014159.D

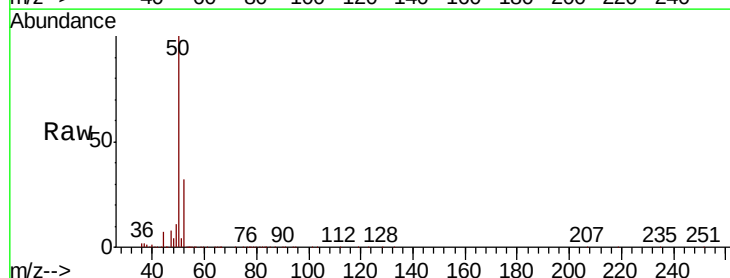
Acq: 23 Dec 2019 13:53

Tgt Ion: 50 Resp: 169433

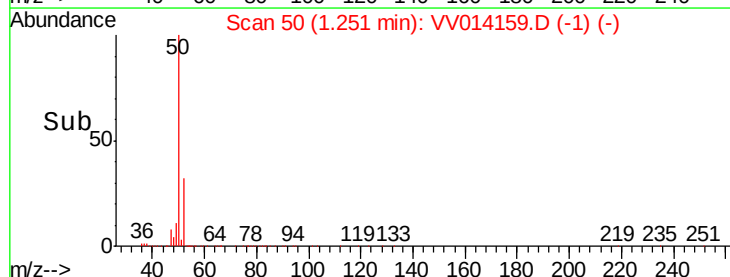
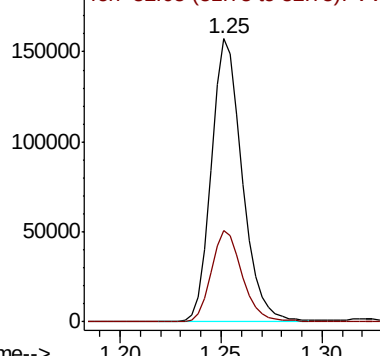
Ion Ratio Lower Upper

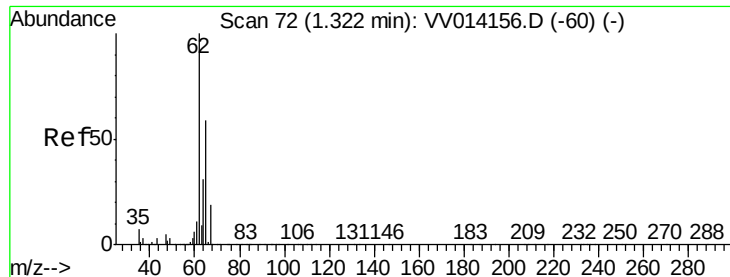
50 100

52 32.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.229 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

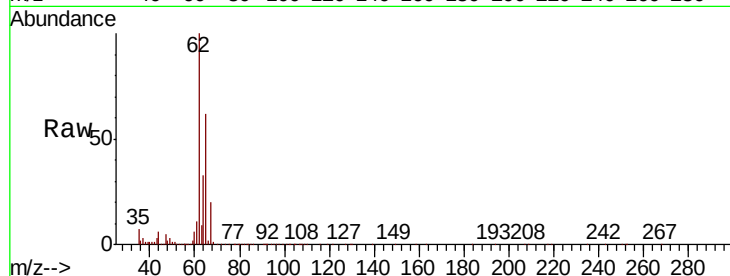
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 159544

Ion Ratio Lower Upper

62 100

64 32.6 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VV014156.D (-60) (-)

Ion 64.10 (63.80 to 64.80): VV014156.D (-60) (-)

1.32

150000

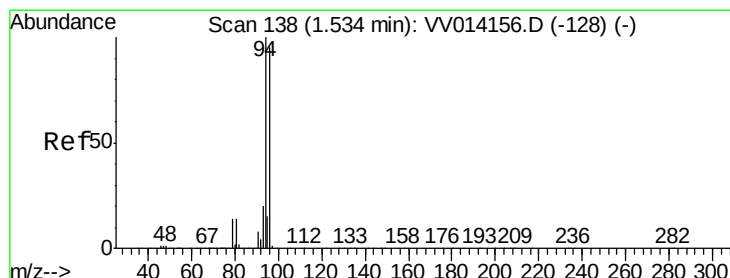
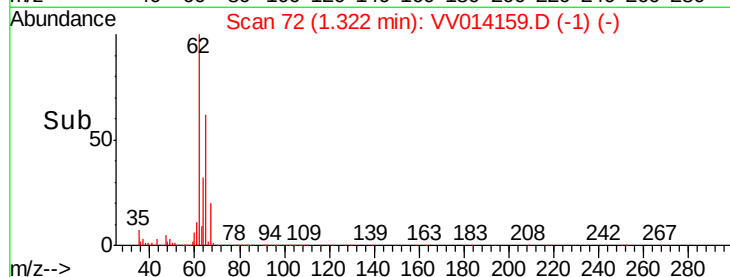
100000

50000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 5.397 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014159.D

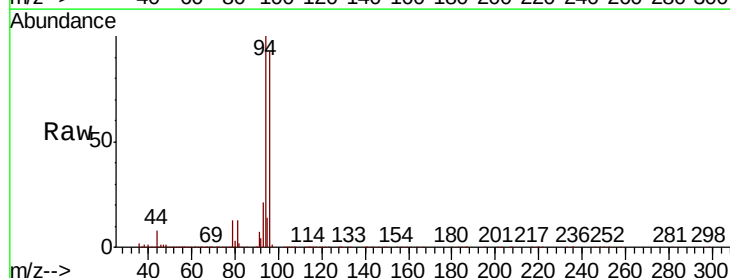
Acq: 23 Dec 2019 13:53

Tgt Ion: 94 Resp: 90776

Ion Ratio Lower Upper

94 100

96 93.1 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV014156.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV014156.D (-128) (-)

1.53

80000

60000

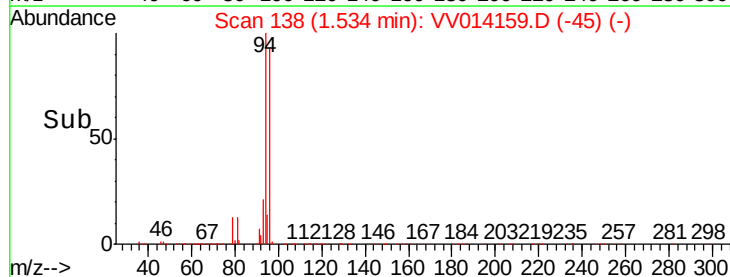
40000

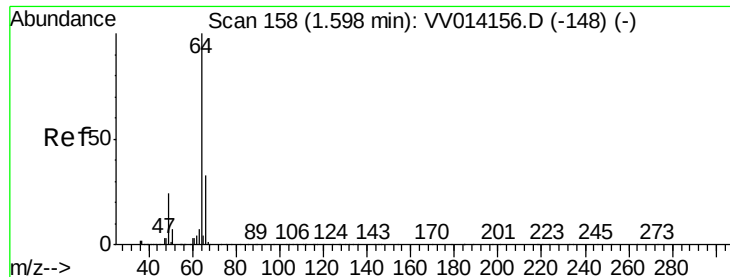
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 5.174 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

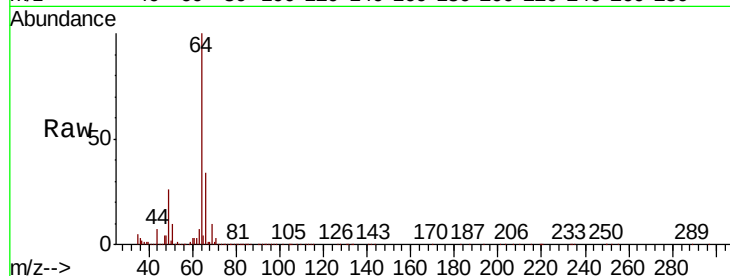
ClientSampleId :

Tot Ion: 64 Resp: 93815

Ion Ratio Lower Upper

64 100

66 33.5 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

80000

60000

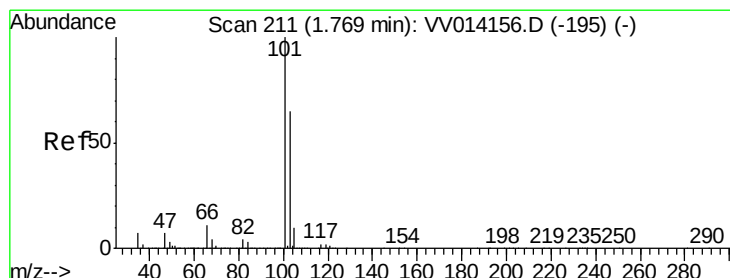
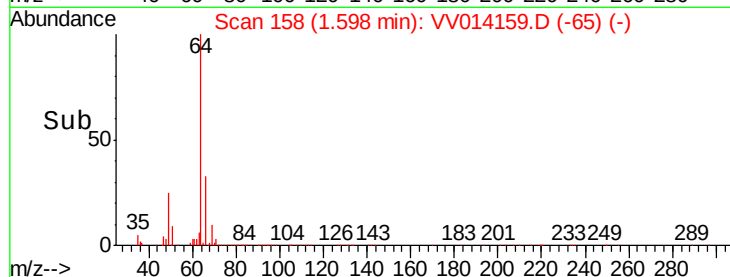
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.304 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014159.D

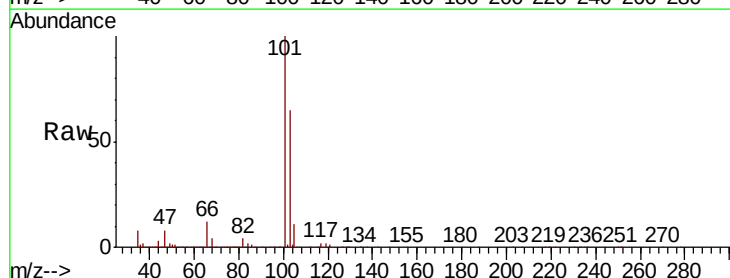
Acq: 23 Dec 2019 13:53

Tgt Ion: 101 Resp: 218156

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

200000

150000

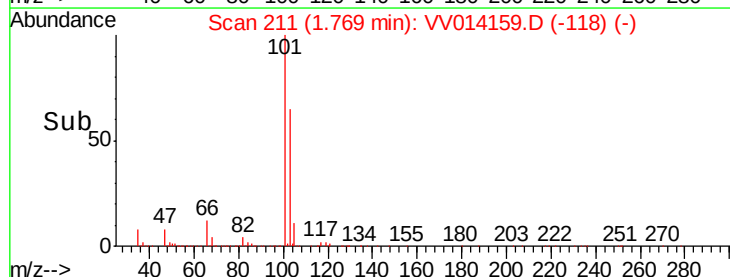
100000

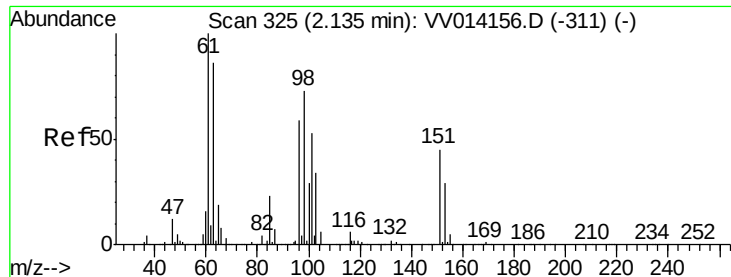
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.328 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

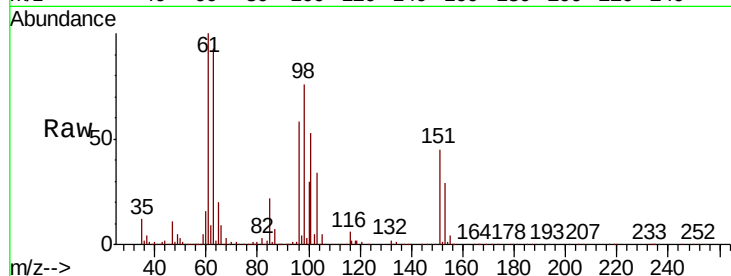
Tot Ion:101 Resp: 123515

Ion Ratio Lower Upper

101 100

85 42.0 34.7 52.1

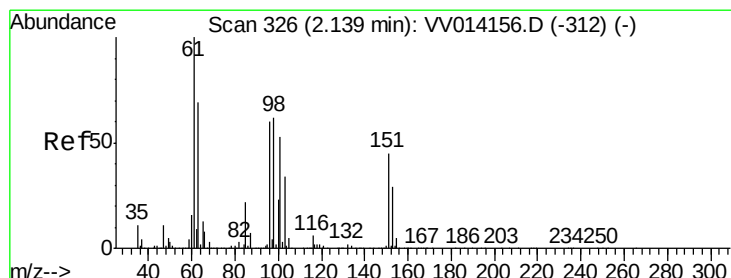
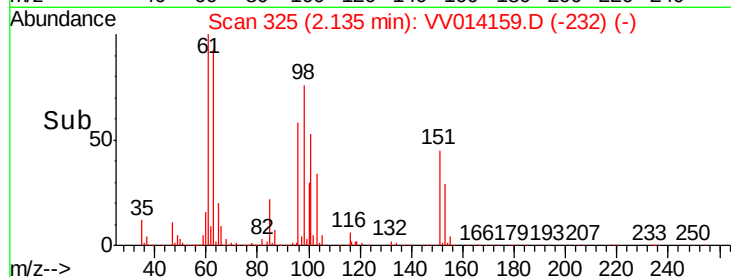
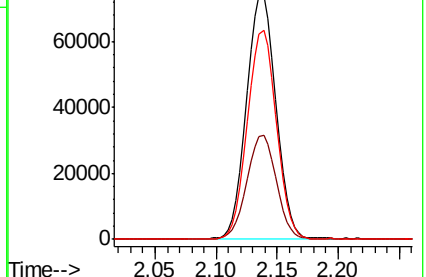
151 84.1 69.1 103.7



Abundance Ion 101.00 (100.70 to 101.70): VV014159.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV014159.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV014159.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 5.258 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

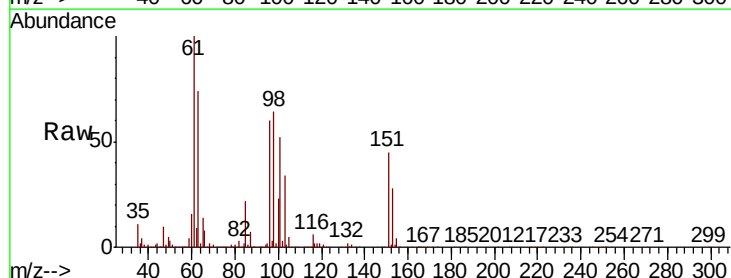
Tgt Ion: 96 Resp: 118983

Ion Ratio Lower Upper

96 100

61 166.4 115.8 215.2

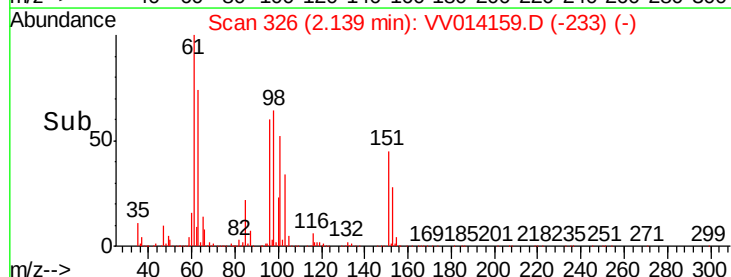
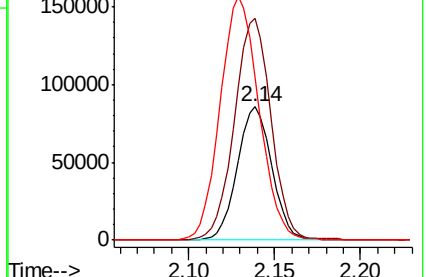
63 122.7 79.9 148.3

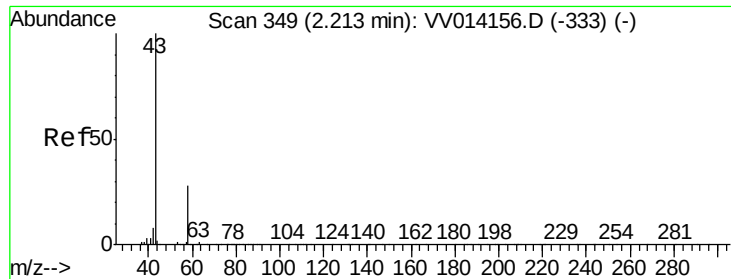


Abundance Ion 96.00 (95.70 to 96.70): VV014159.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV014159.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014159.D (-233) (-)





#13

Acetone

Concen: 41.755 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

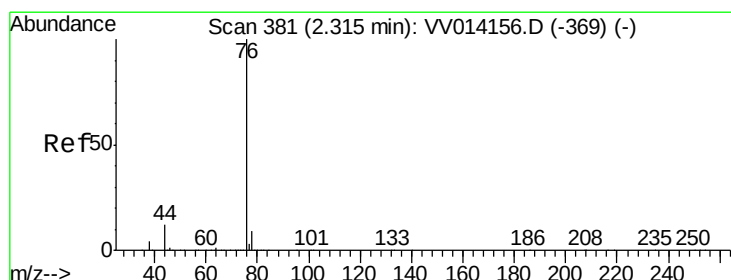
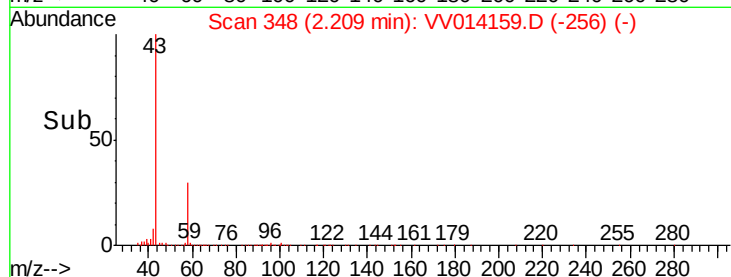
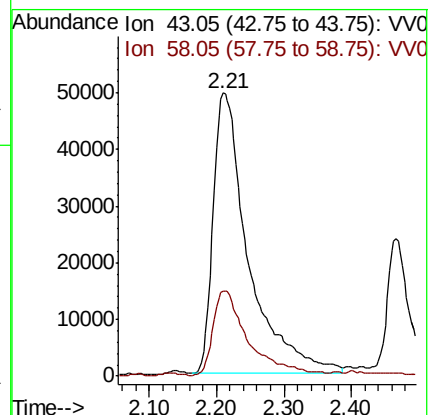
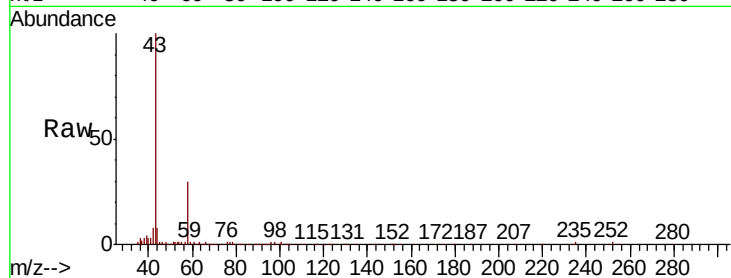
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 180663

Ion Ratio Lower Upper

43 100

58 30.6 0.0 58.8



#14

Carbon disulfide

Concen: 5.415 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014159.D

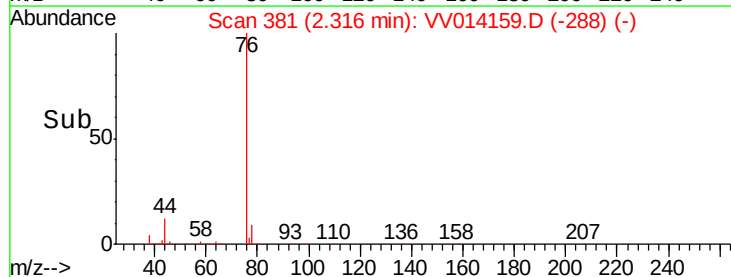
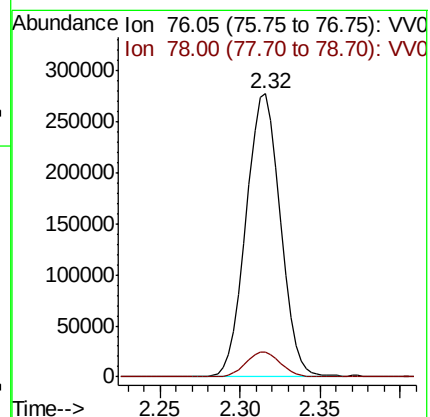
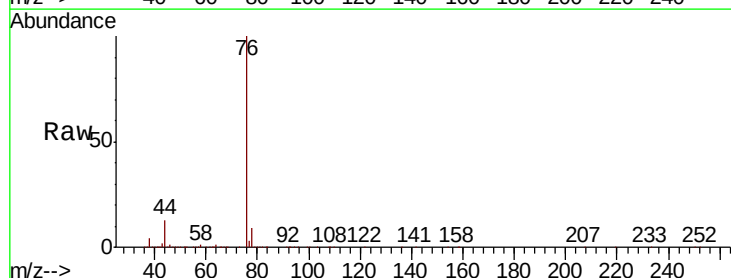
Acq: 23 Dec 2019 13:53

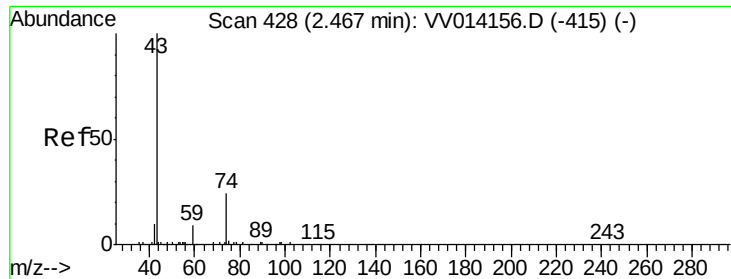
Tgt Ion: 76 Resp: 407149

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

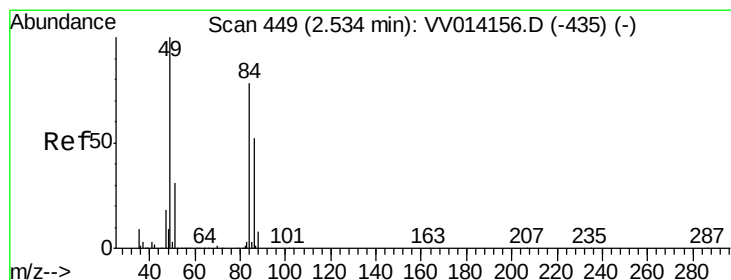
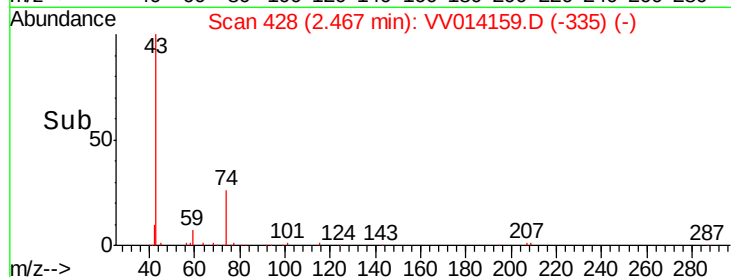
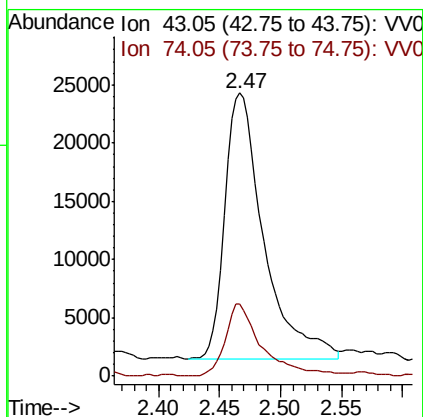
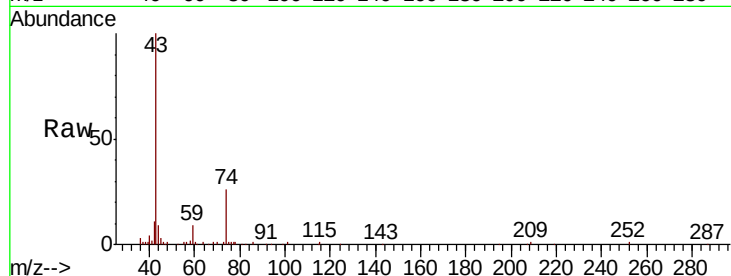




#15
Methvl Acetate
Concen: 4.996 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

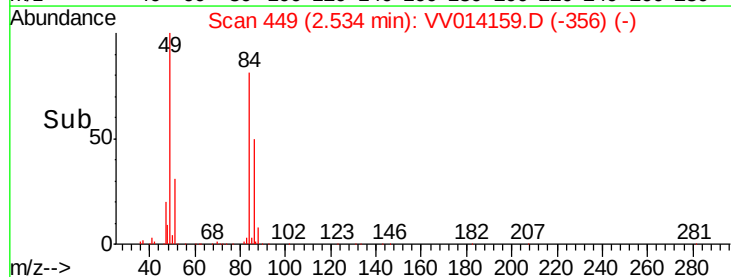
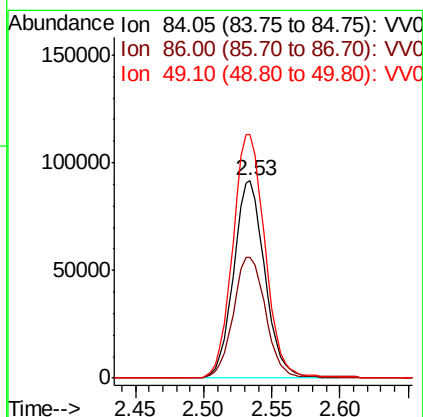
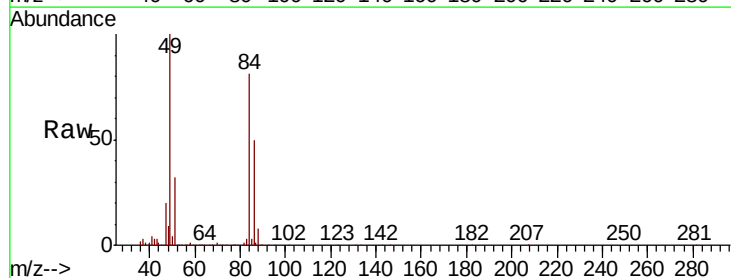
Instrument :
MSVOA_V
ClientSampled :

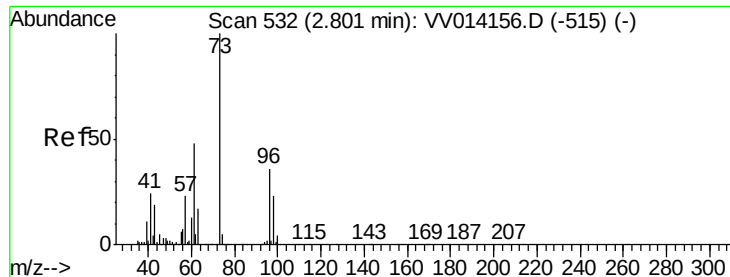
Tot Ion: 43 Resp: 51035
Ion Ratio Lower Upper
43 100
74 26.0 17.3 25.9#



#16
Methylene chloride
Concen: 4.808 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

Tgt Ion: 84 Resp: 146266
Ion Ratio Lower Upper
84 100
86 61.5 46.3 85.9
49 123.6 89.8 166.8



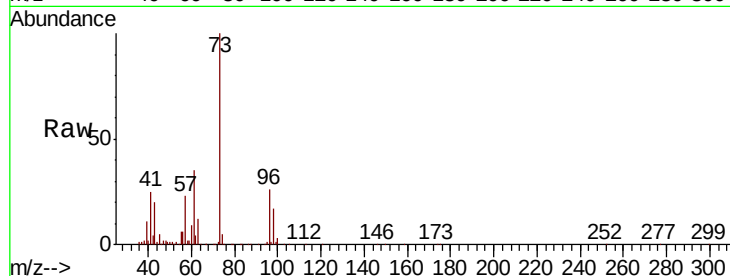


#17

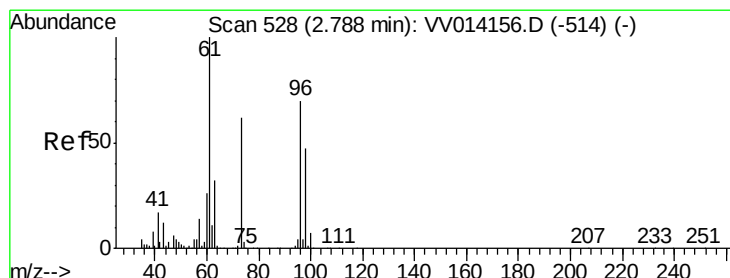
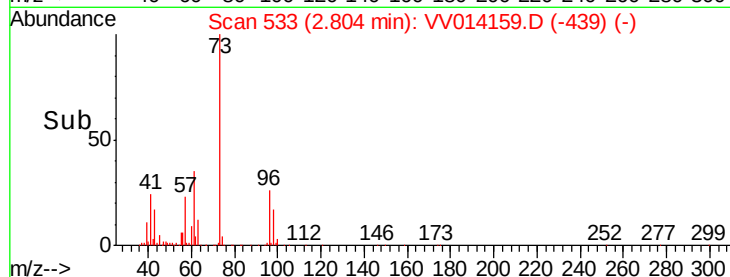
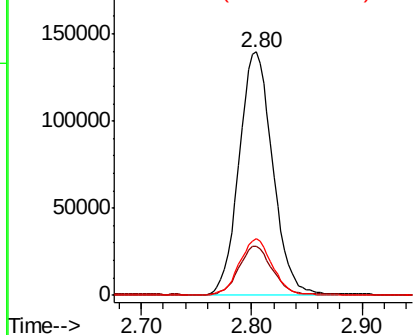
Methyl tert-butyl Ether
 Concen: 5.319 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.8	15.8	23.8
57	22.9	18.6	28.0



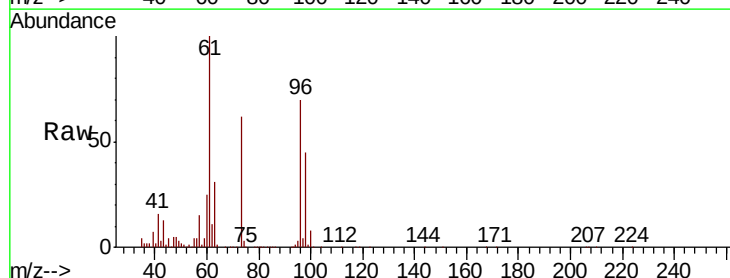
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



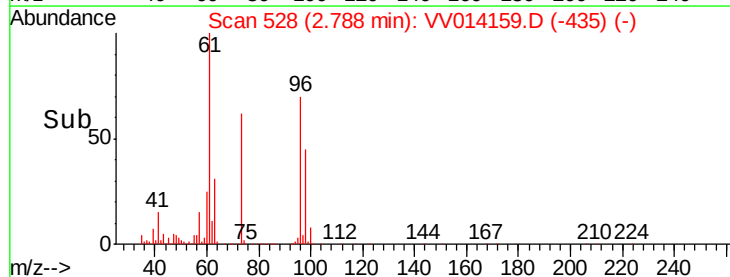
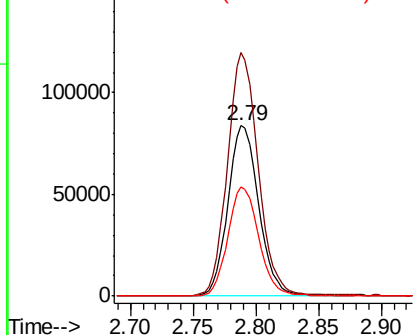
#18

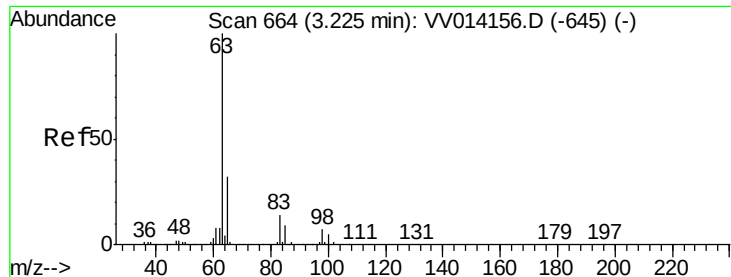
trans-1,2-Dichloroethene
 Concen: 5.363 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.7	100.7	187.1
98	63.8	46.9	87.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

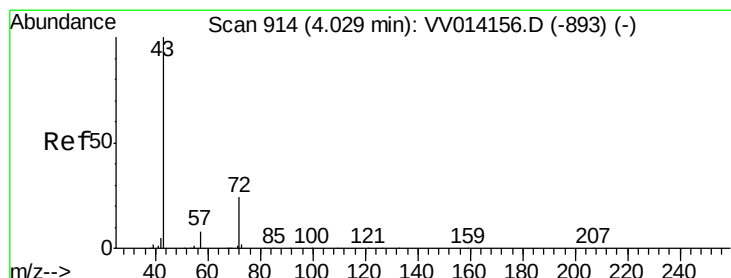
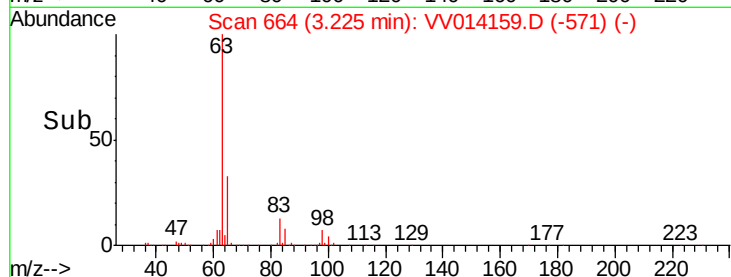
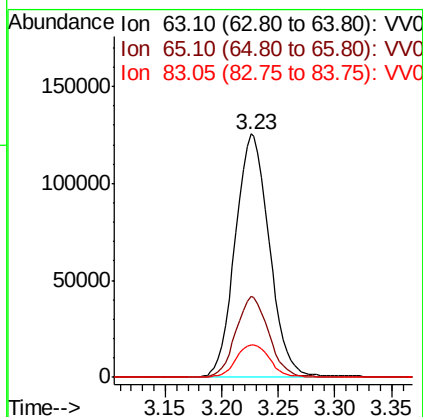
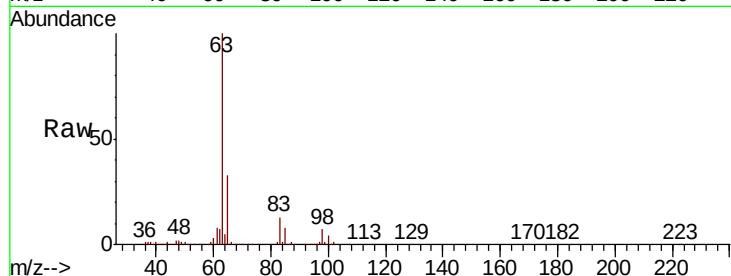




#19
 1,1-Dichloroethane
 Concen: 5.311 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

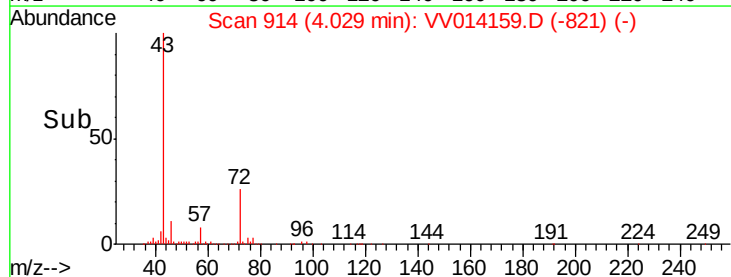
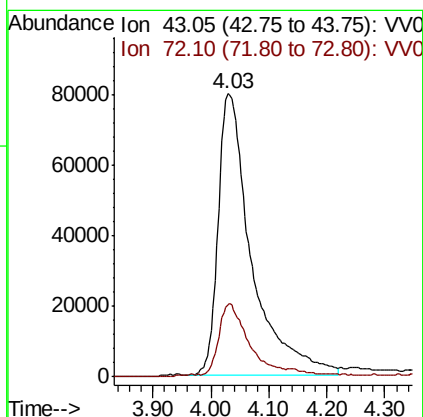
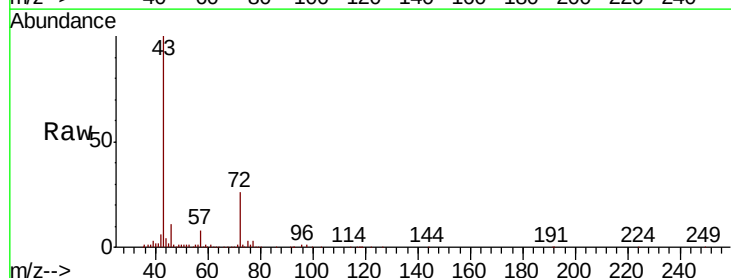
Instrument :
 MSVOA_V
 ClientSampleId :

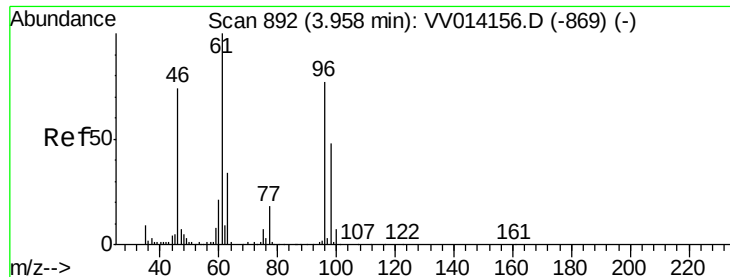
Tot Ion: 63 Resp: 263775
 Ion Ratio Lower Upper
 63 100
 65 33.2 22.3 41.5
 83 13.3 9.7 17.9



#21
 2-Butanone
 Concen: 53.928 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion: 43 Resp: 319616
 Ion Ratio Lower Upper
 43 100
 72 22.1 12.4 37.0



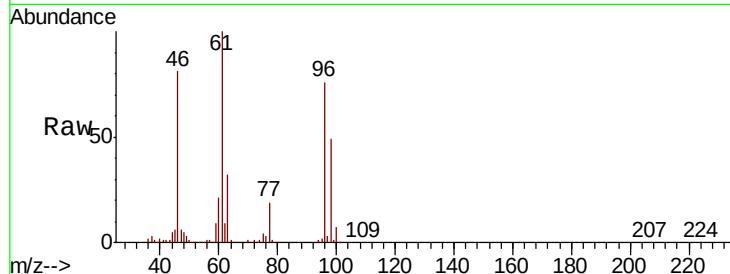


#22

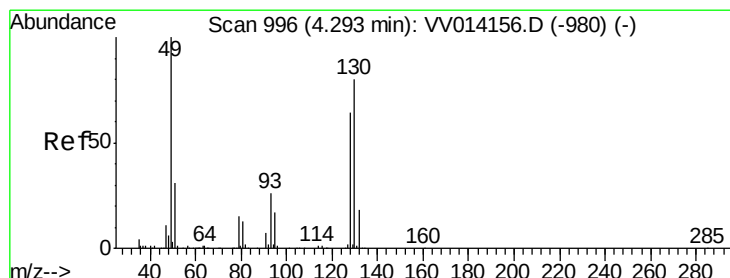
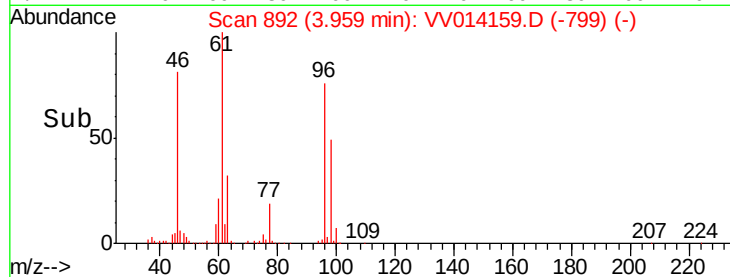
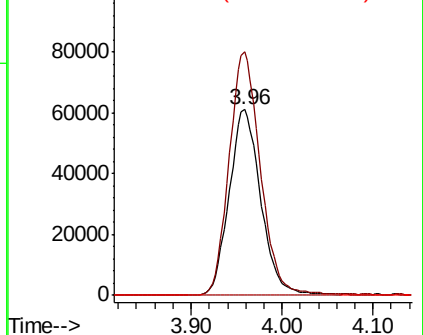
cis-1,2-Dichloroethene
 Concen: 5.367 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	91.2	169.4
68	0.0	0.1	0.3



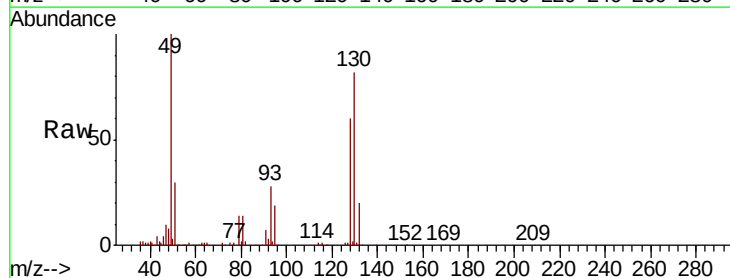
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



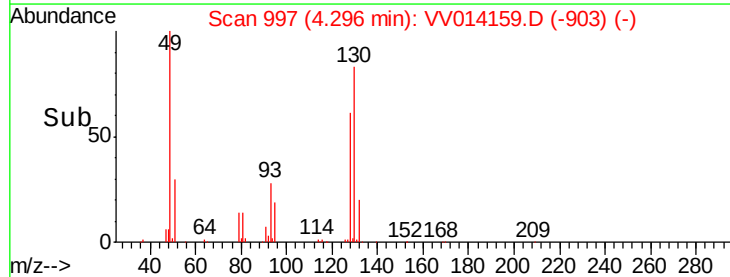
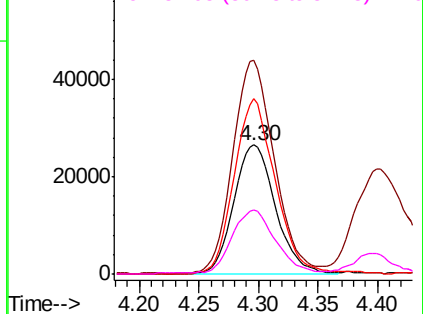
#23

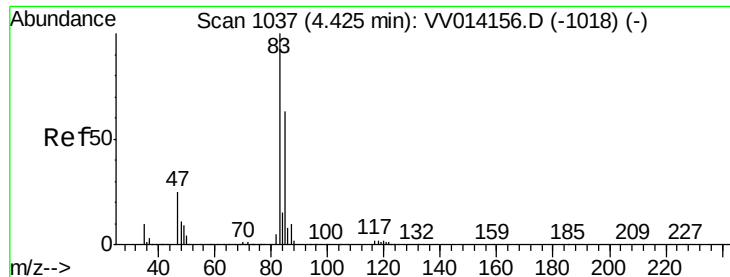
Bromochloromethane
 Concen: 5.062 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.6	109.3	202.9
130	136.3	87.2	161.9
51	49.8	39.0	58.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

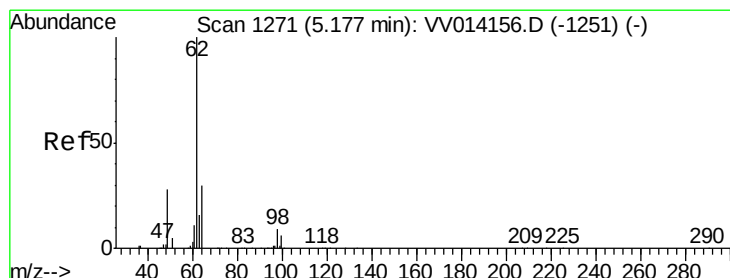
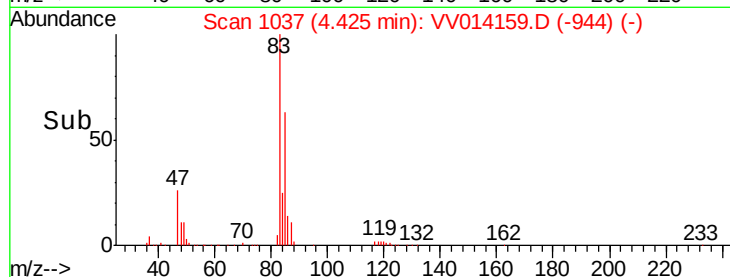
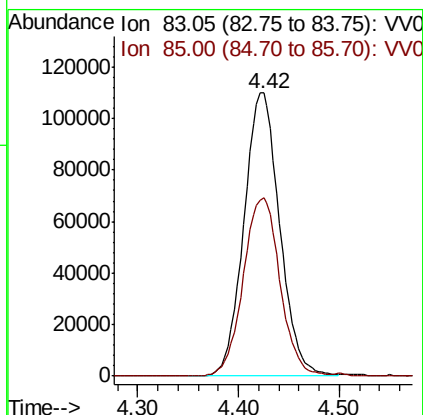
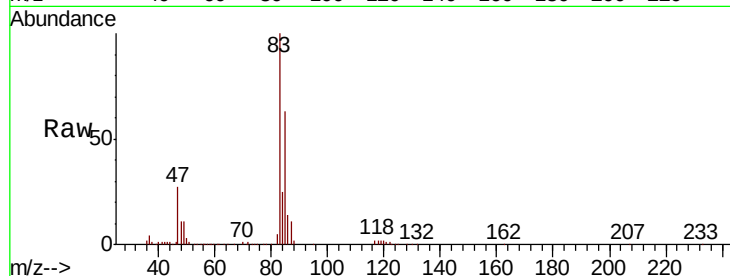




#25
Chloroform
Concen: 5.298 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

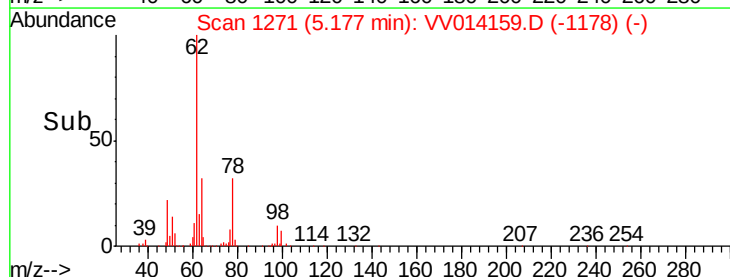
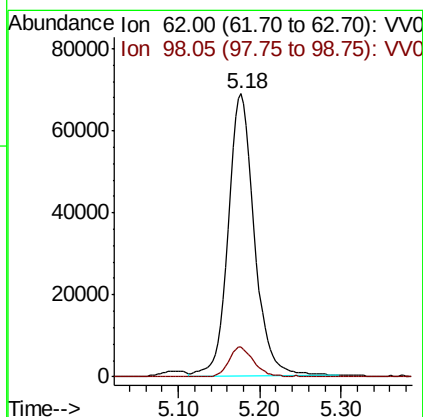
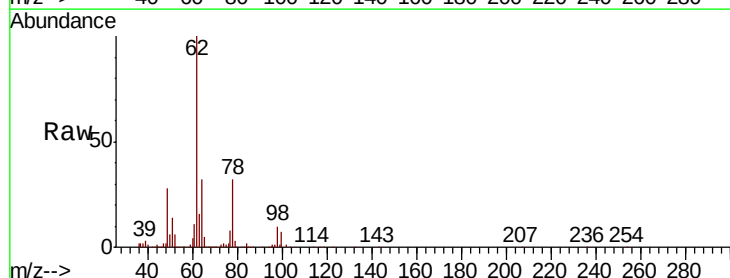
Instrument :
MSVOA_V
ClientSampled :

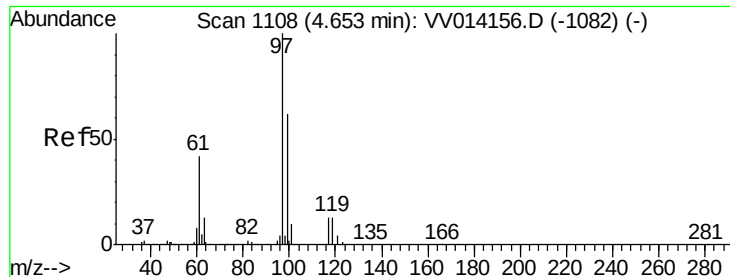
Tot Ion: 83 Resp: 269726
Ion Ratio Lower Upper
83 100
85 62.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.386 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

Tgt Ion: 62 Resp: 156067
Ion Ratio Lower Upper
62 100
98 10.5 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.542 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :
MSVOA_V
ClientSampleId :

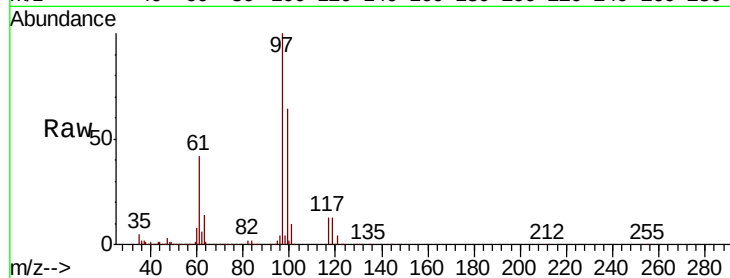
Tot Ion: 97 Resp: 230436

Ion Ratio Lower Upper

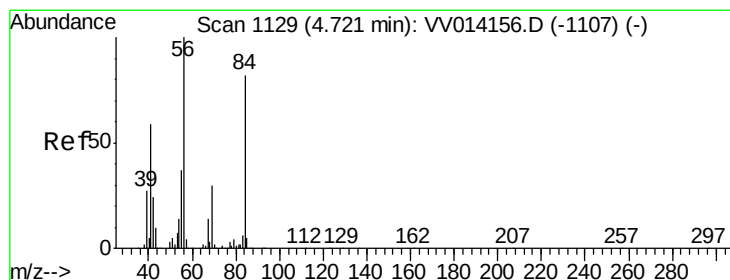
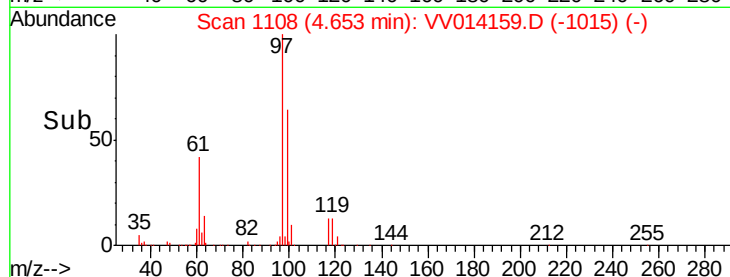
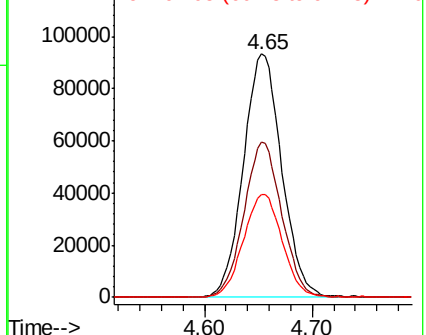
97 100

99 62.9 51.6 77.4

61 42.9 34.5 51.7



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.984 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

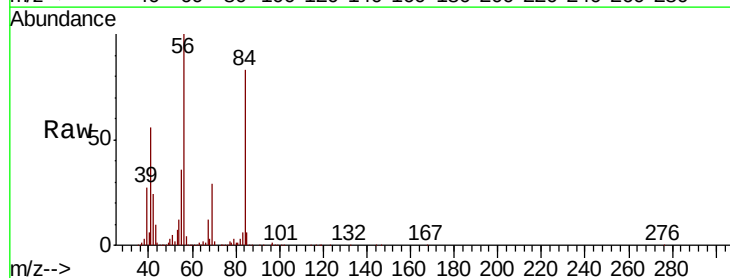
Tgt Ion: 56 Resp: 238044

Ion Ratio Lower Upper

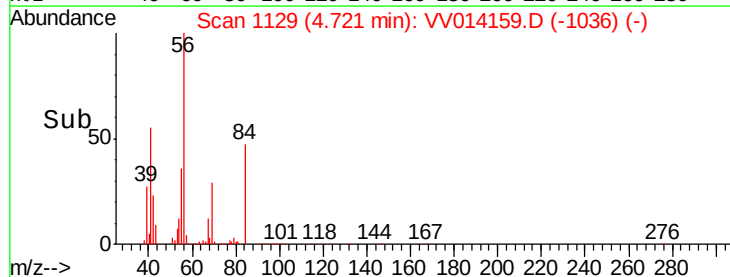
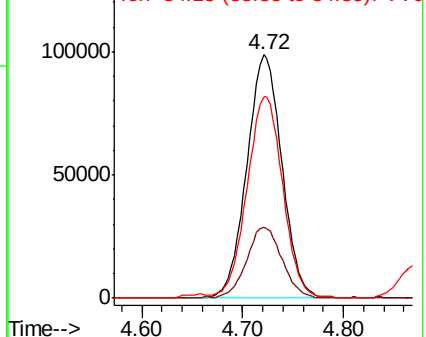
56 100

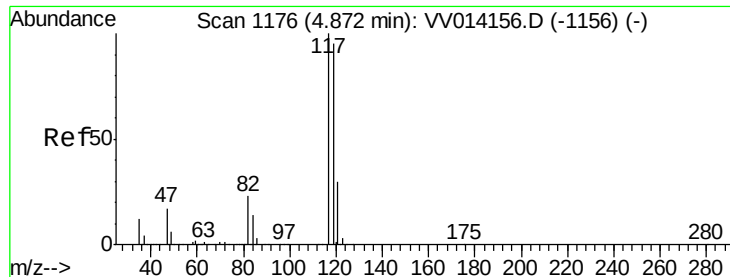
69 29.4 24.4 36.6

84 83.9 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

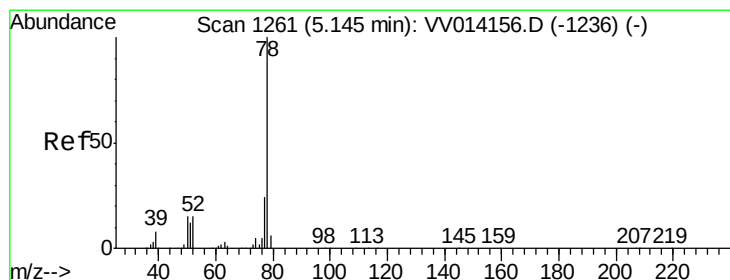
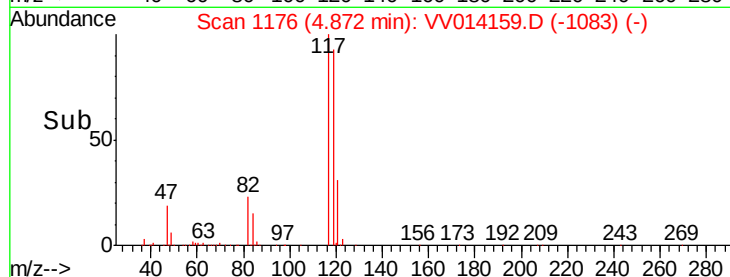
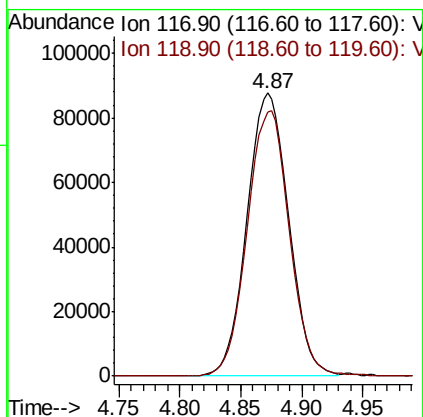
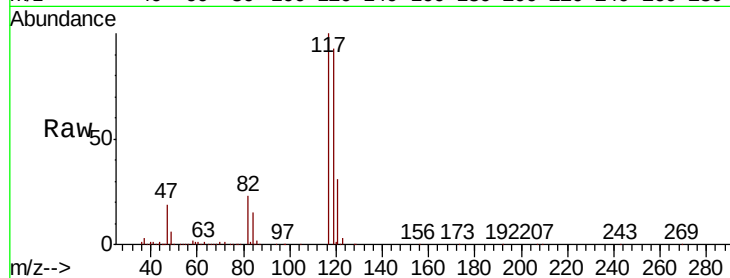




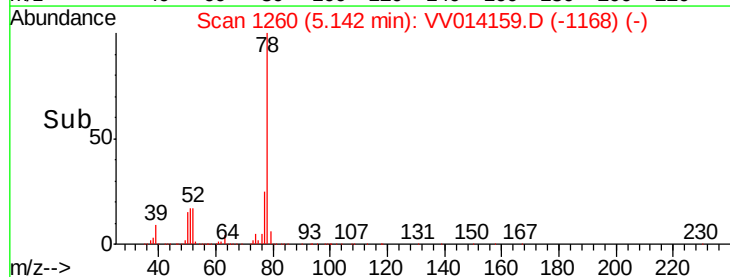
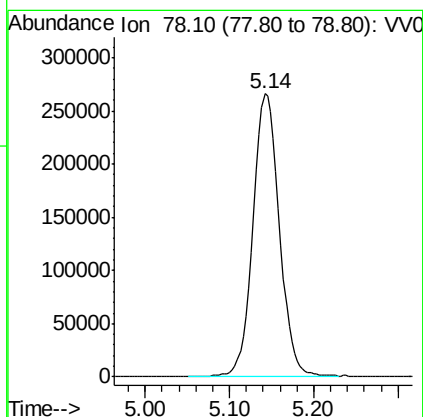
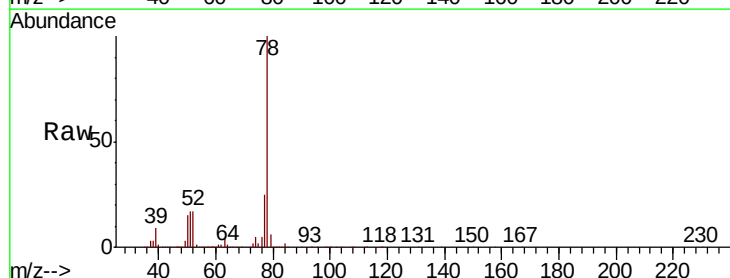
#31
Carbon tetrachloride
Concen: 5.600 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

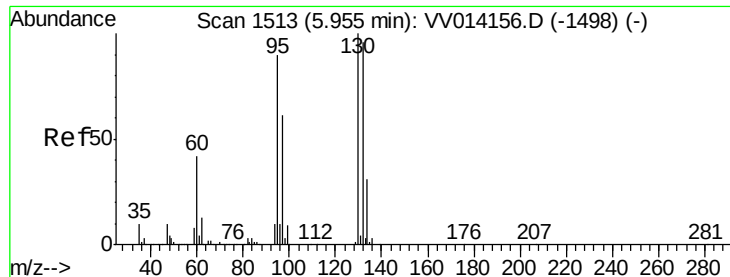
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 207231
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.4



#33
Benzene
Concen: 5.740 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53
Tgt Ion: 78 Resp: 578842





#34

Trichloroethene

Concen: 5.722 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 152013

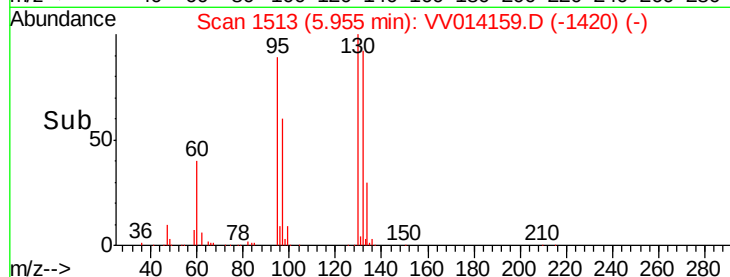
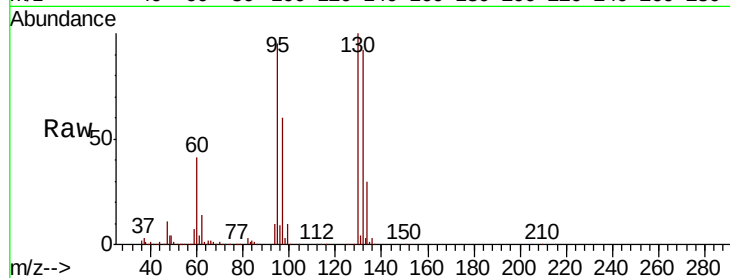
Ion Ratio Lower Upper

95 100

97 63.4 47.2 87.6

132 96.5 74.1 137.7

130 105.0 77.5 143.9



Abundance Ion 95.00 (94.70 to 95.70): VV014159.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV014159.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV014159.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV014159.D (-1420) (-)

Time-->

5.96

80000

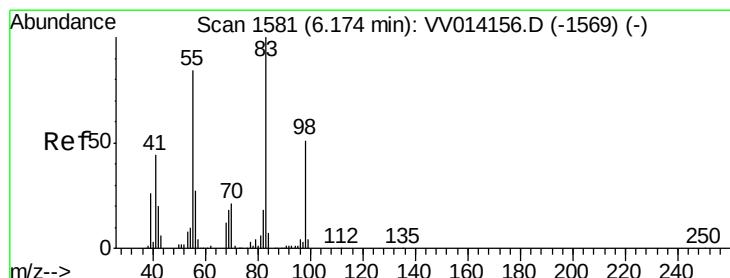
60000

40000

20000

0

5.90 6.00 6.10



#35

Methylcyclohexane

Concen: 5.982 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

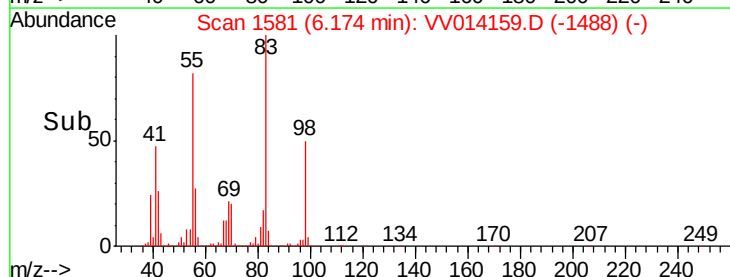
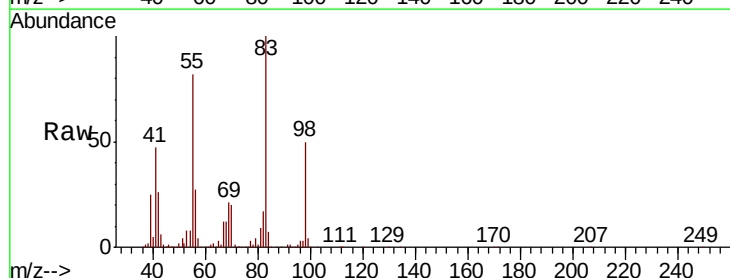
Tgt Ion: 83 Resp: 235866

Ion Ratio Lower Upper

83 100

55 81.9 65.3 97.9

98 49.2 39.2 58.8



Abundance Ion 83.15 (82.85 to 83.85): VV014159.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV014159.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV014159.D (-1488) (-)

Time-->

6.17

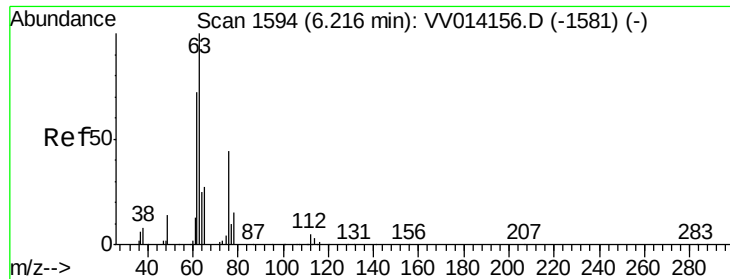
150000

100000

50000

0

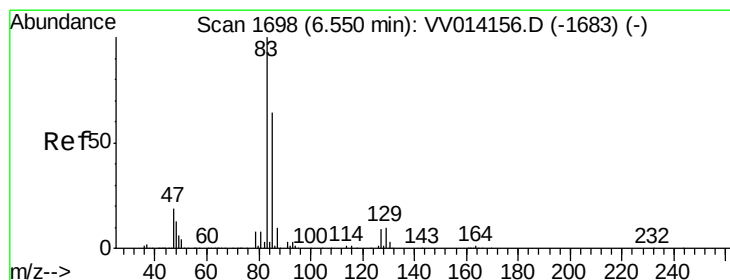
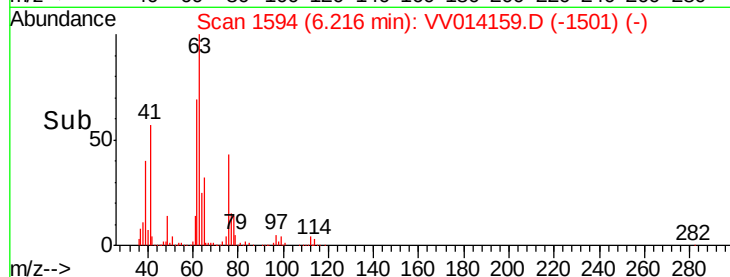
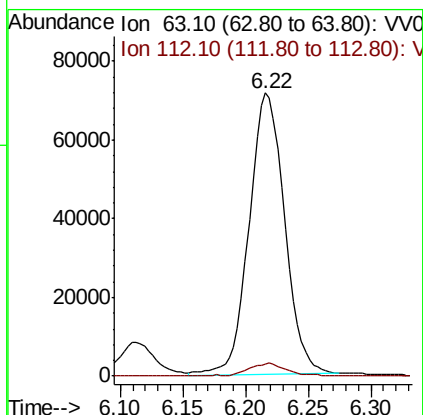
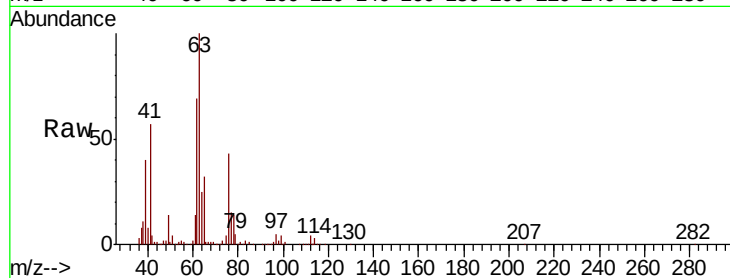
6.10 6.15 6.20 6.25



#37
 1,2-Dichloropropane
 Concen: 5.663 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

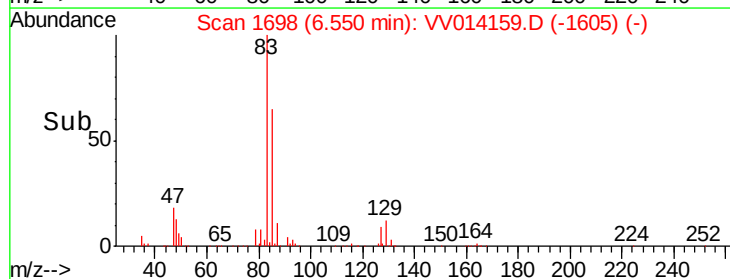
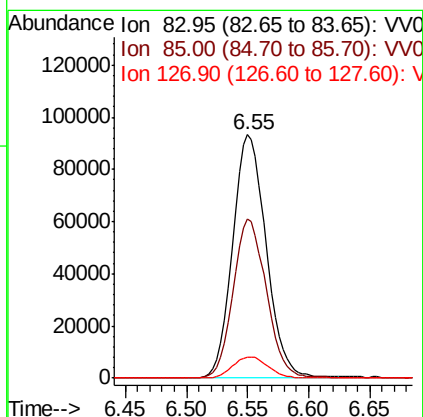
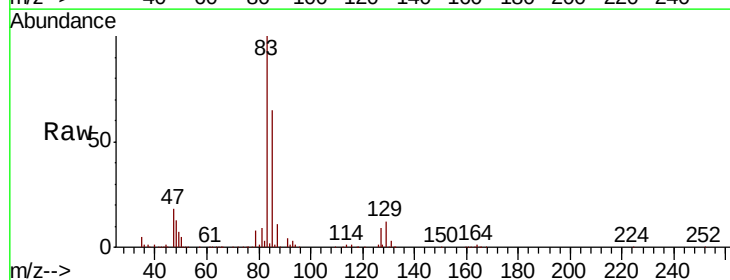
Instrument :
 MSVOA_V
 ClientSampleId :

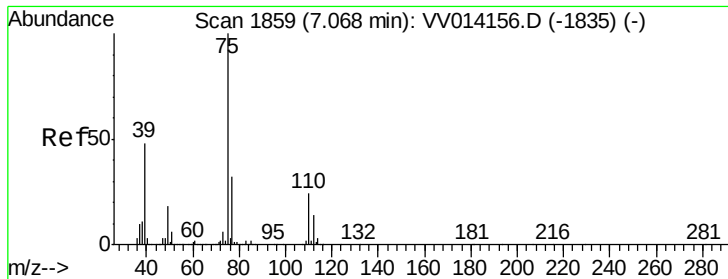
Tot Ion: 63 Resp: 140941
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.0 6.0



#38
 Bromodichloromethane
 Concen: 5.478 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion: 83 Resp: 177342
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.5 82.7
 127 8.8 7.2 10.8

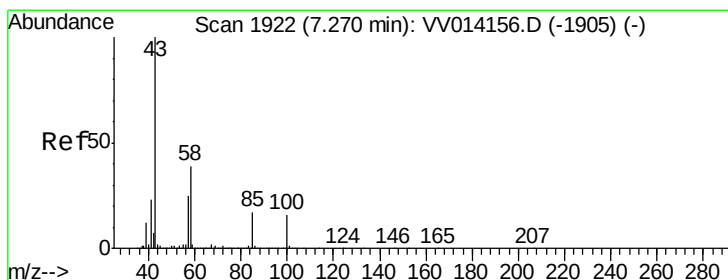
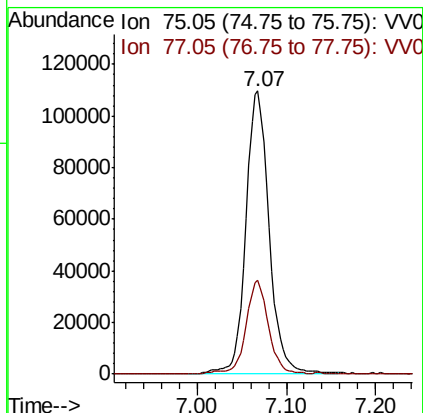
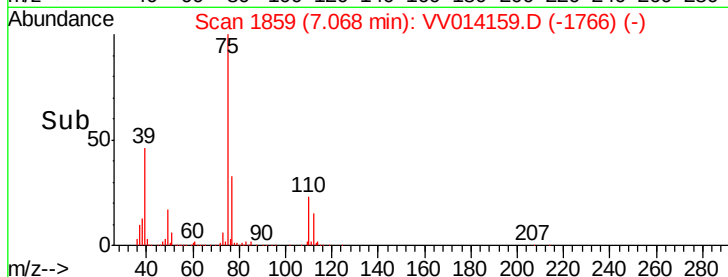
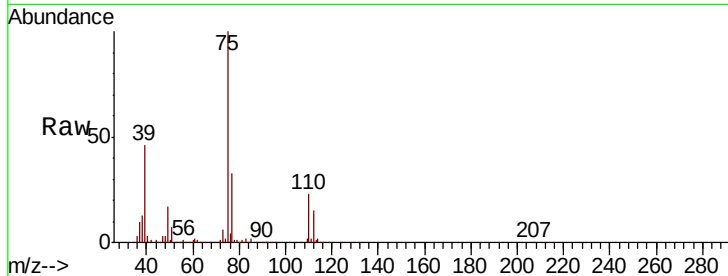




#39
 cis-1,3-Dichloropropene
 Concen: 5.665 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

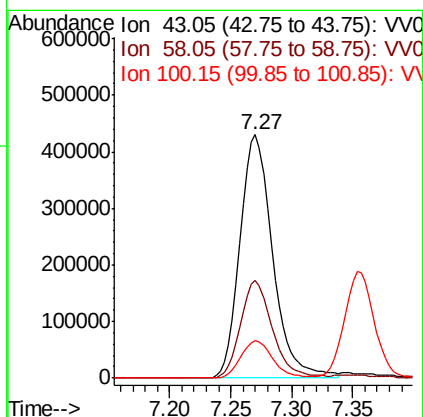
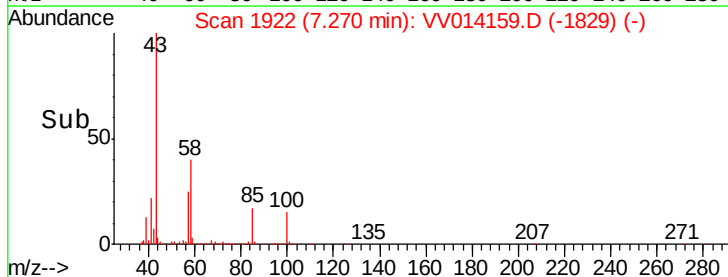
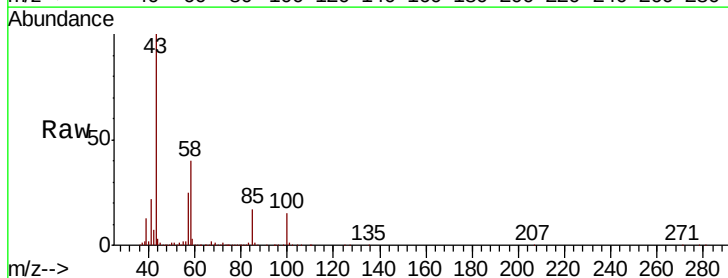
Instrument :
 MSVOA_V
 ClientSampleId :

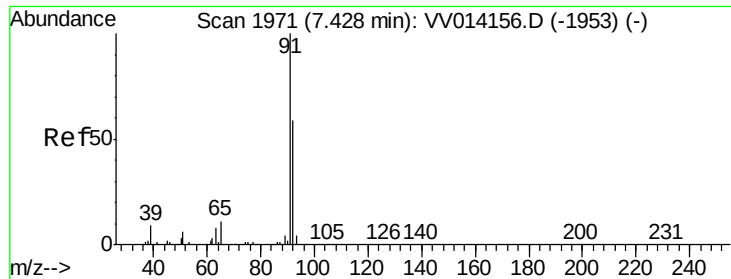
Tot Ion: 75 Resp: 198600
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 58.782 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion: 43 Resp: 797011
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.8 46.2
 100 15.1 12.3 18.5





#42

Toluene

Concen: 5.758 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

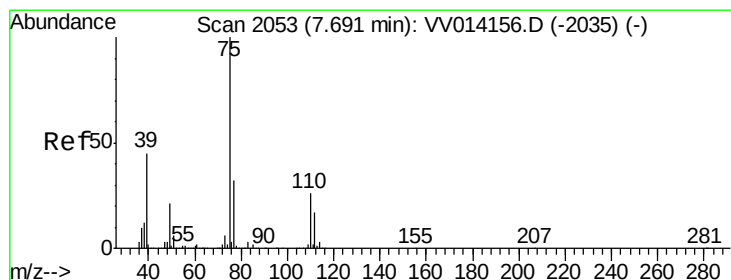
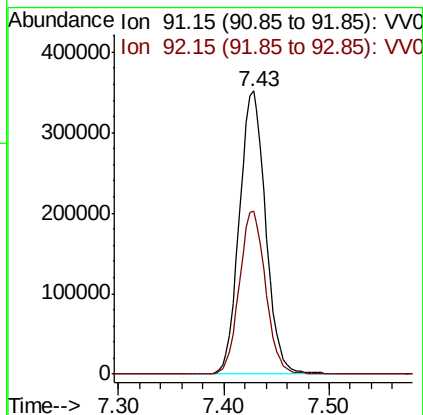
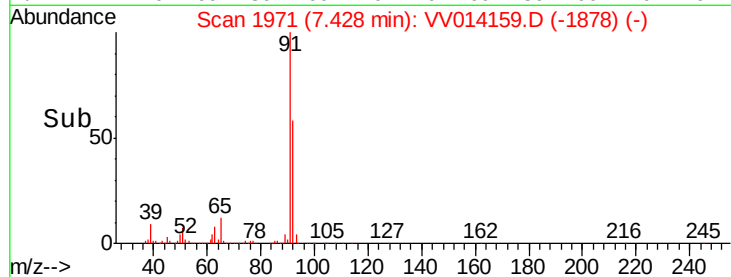
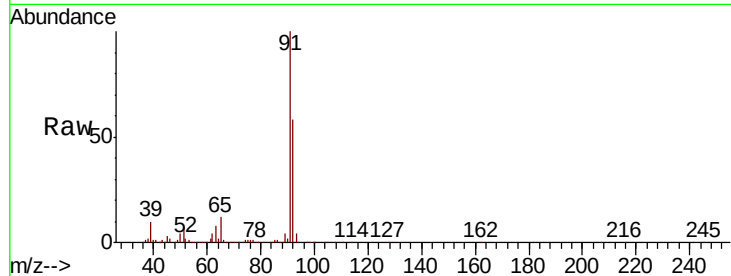
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 607396

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.567 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014159.D

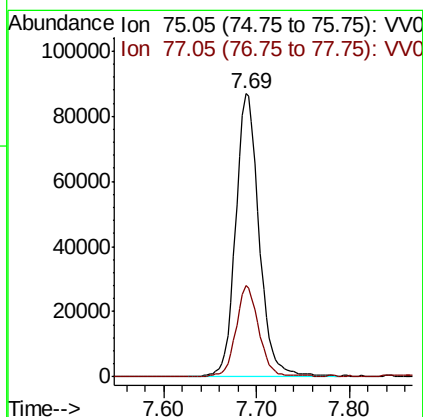
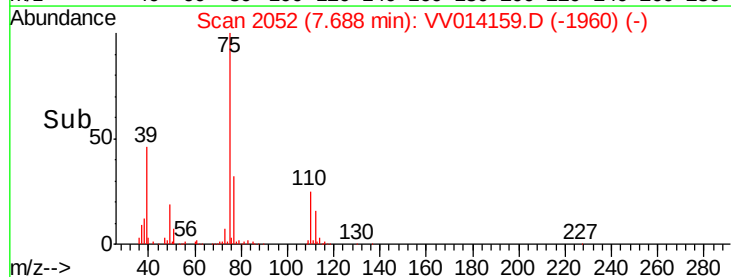
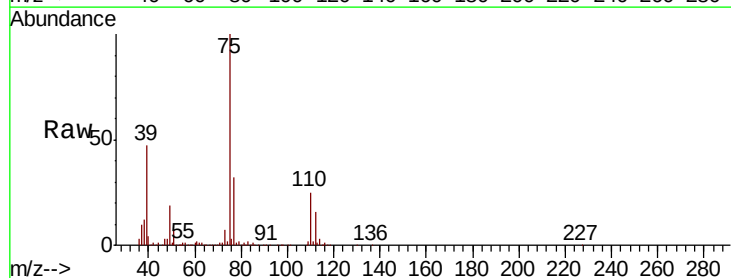
Acq: 23 Dec 2019 13:53

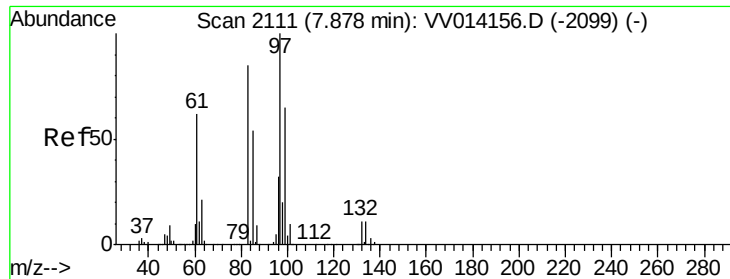
Tgt Ion: 75 Resp: 153441

Ion Ratio Lower Upper

75 100

77 32.1 22.8 42.4

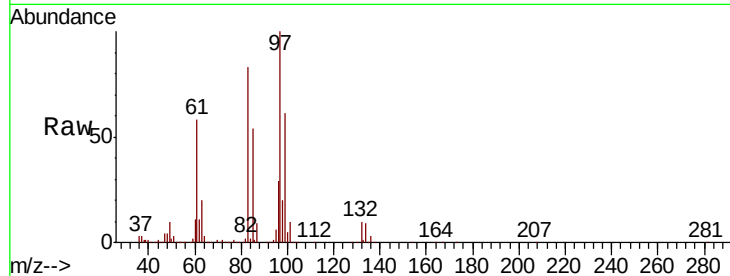




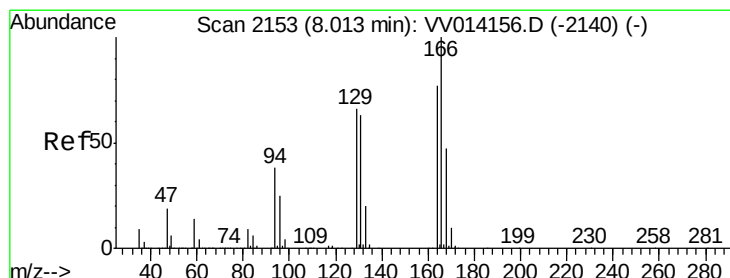
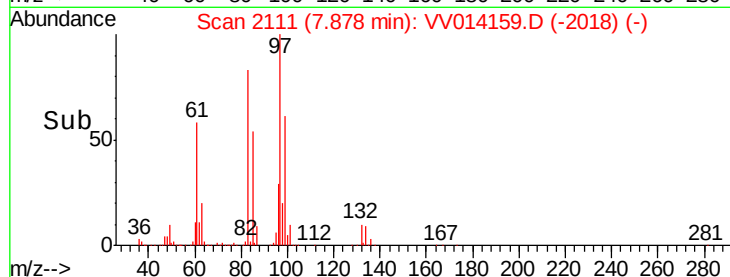
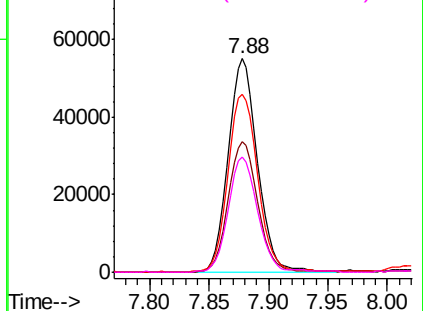
#45
 1,1,2-Trichloroethane
 Concen: 5.429 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	93853
Ion	Ratio	Lower	Upper
97	100		
99	60.9	45.8	85.2
83	83.1	59.5	110.5
85	54.0	38.1	70.9

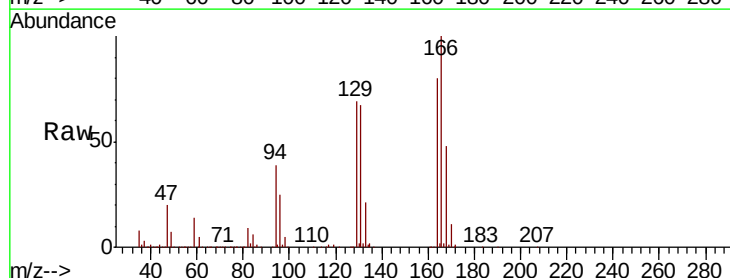


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

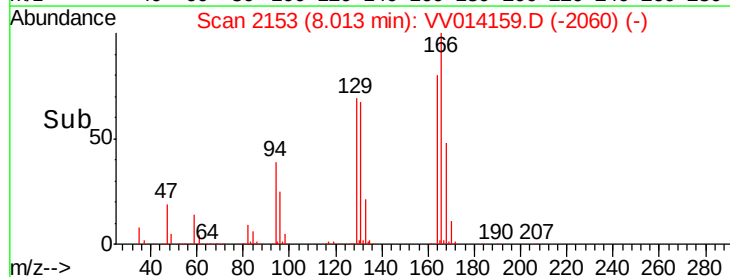
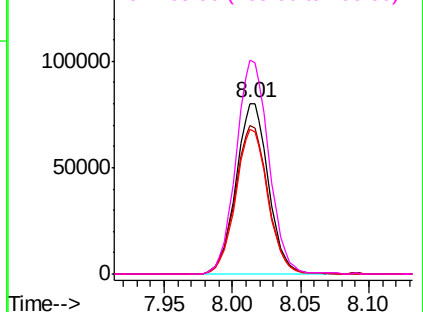


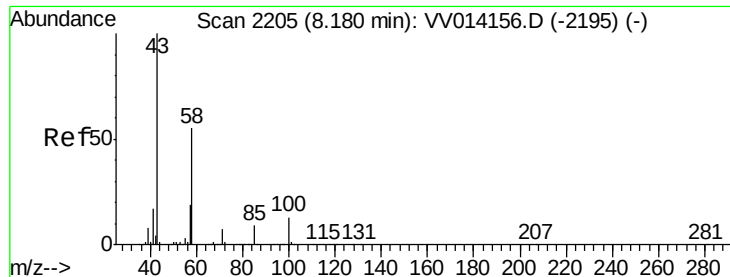
#47
 Tetrachloroethene
 Concen: 5.512 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion:	164	Resp:	131995
Ion	Ratio	Lower	Upper
164	100		
129	87.0	60.1	111.5
131	84.4	57.3	106.5
166	125.1	90.7	168.5



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

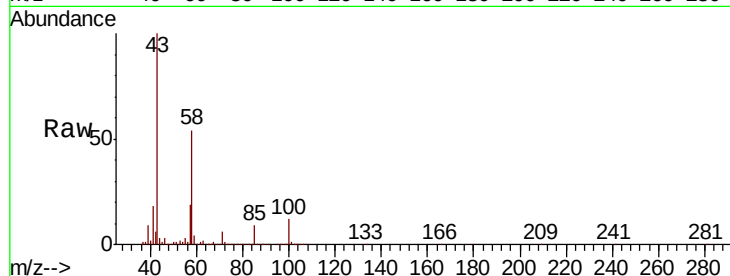




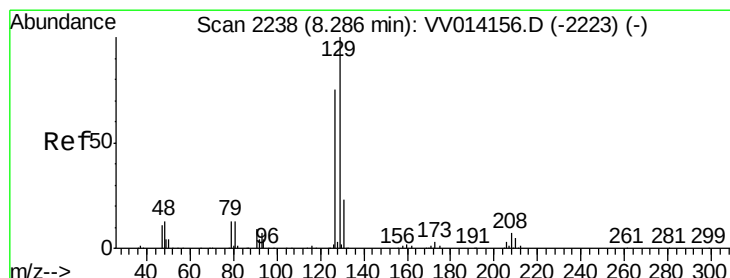
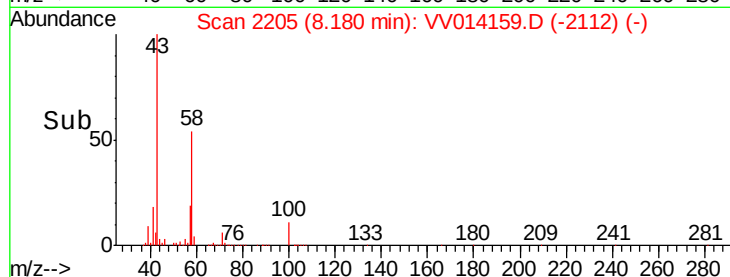
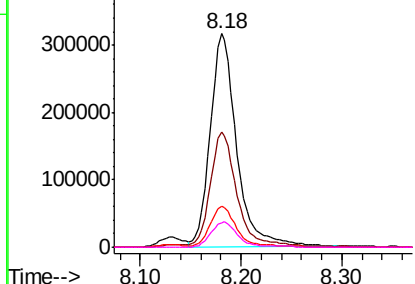
#48
2-Hexanone
Concen: 57.851 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	573040
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.2	64.8
57	19.2	14.8	22.2
100	12.1	9.7	14.5

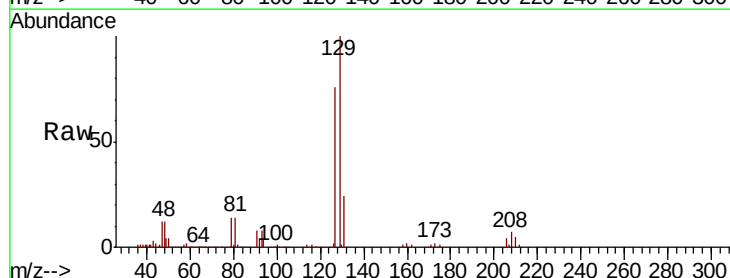


Abundance Ion 43.05 (42.75 to 43.75): VV014159.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV014159.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV014159.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV014159.D (-2112) (-)

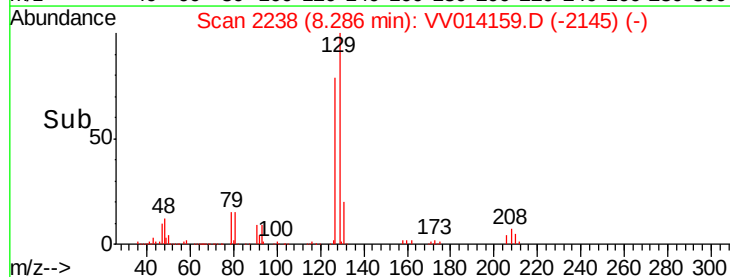
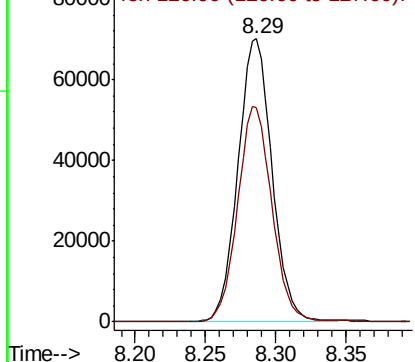


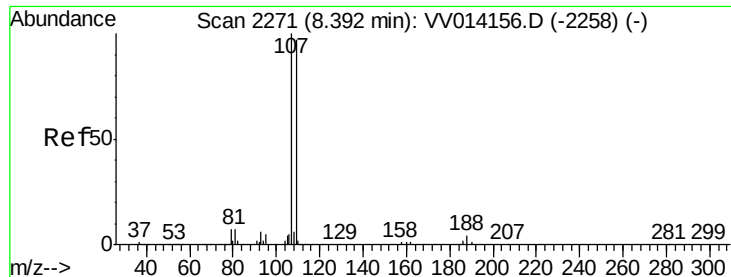
#49
Dibromochloromethane
Concen: 5.427 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

Tgt Ion:	129	Resp:	118843
Ion	Ratio	Lower	Upper
129	100		
127	75.6	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): VV014159.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV014159.D (-2145) (-)

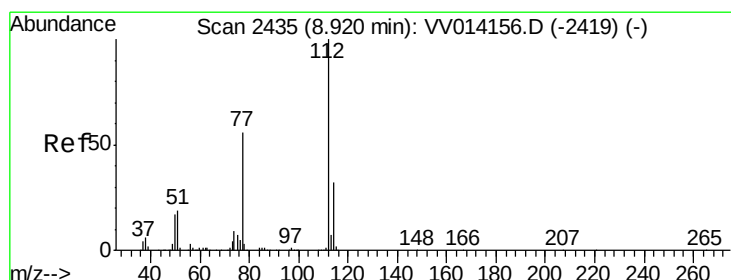
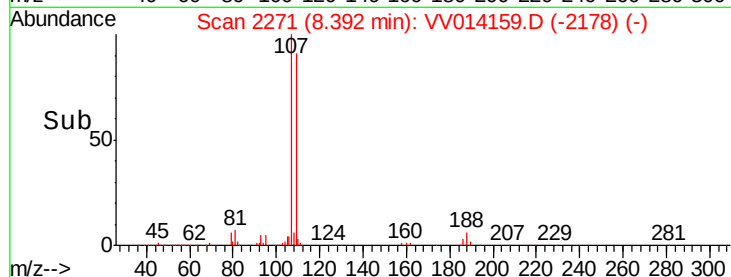
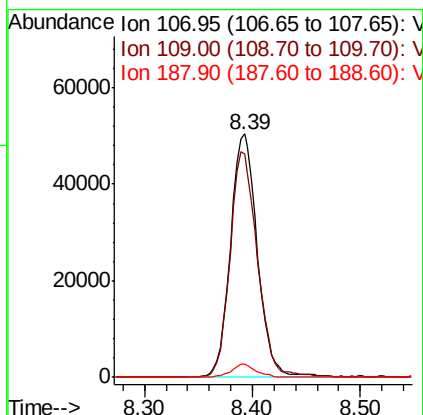
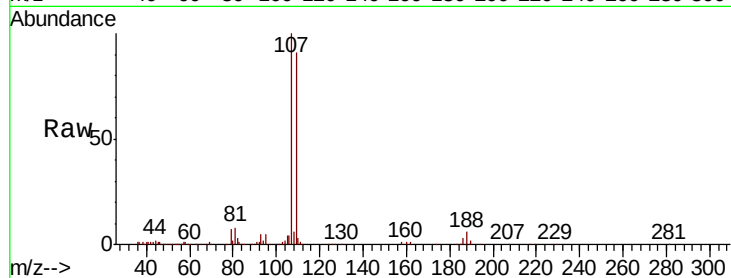




#50
1,2-Dibromoethane
Concen: 5.489 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

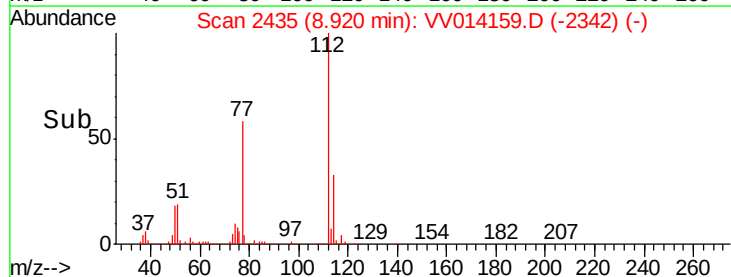
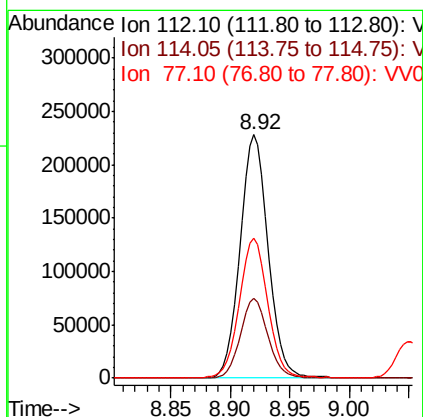
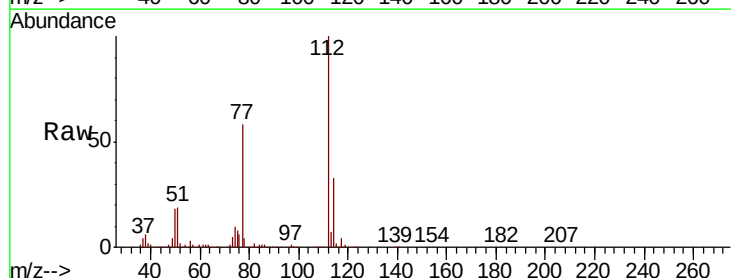
Instrument :
MSVOA_V
ClientSampleId :

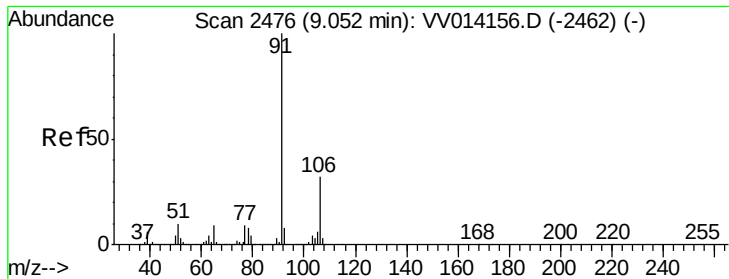
Tot Ion:107 Resp: 87224
Ion Ratio Lower Upper
107 100
109 91.4 68.1 126.5
188 5.6 3.2 4.8#



#51
Chlorobenzene
Concen: 5.408 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014159.D
Acq: 23 Dec 2019 13:53

Tgt Ion:112 Resp: 372809
Ion Ratio Lower Upper
112 100
114 32.8 22.3 41.5
77 57.6 45.1 67.7





#52

Ethylbenzene

Concen: 5.588 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

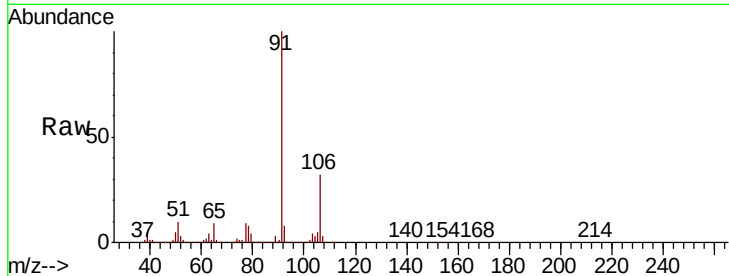
ClientSampleId :

Tot Ion: 91 Resp: 614095

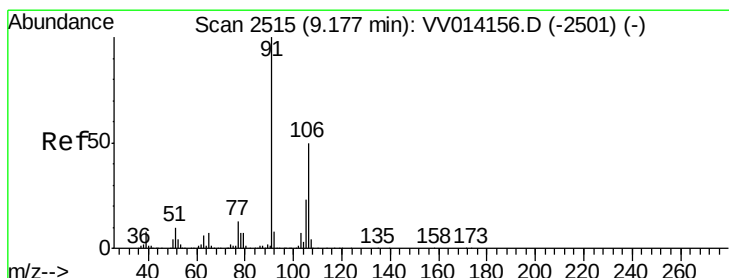
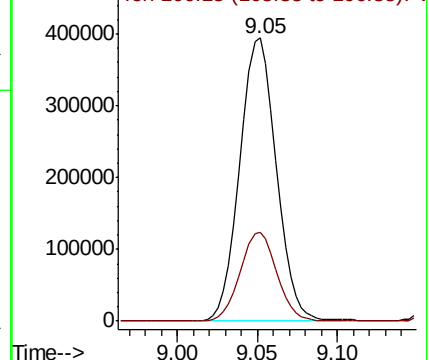
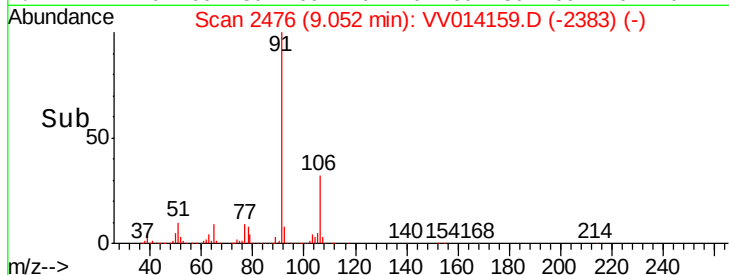
Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VV014159.D (-2383) (-)



#53

m,p-xylene

Concen: 5.631 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014159.D

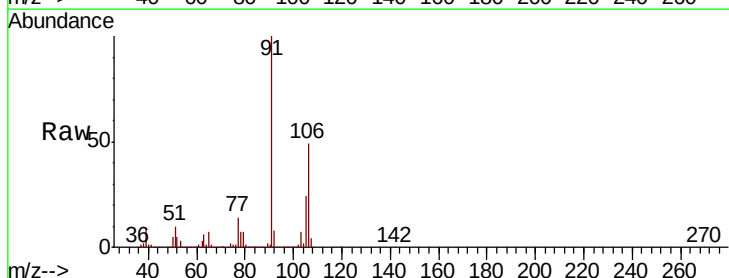
Acq: 23 Dec 2019 13:53

Tgt Ion: 106 Resp: 239142

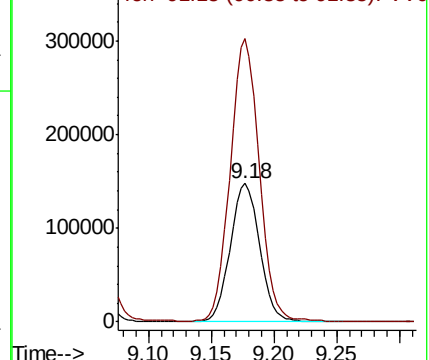
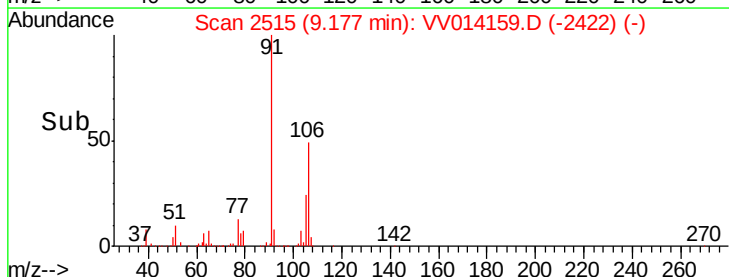
Ion Ratio Lower Upper

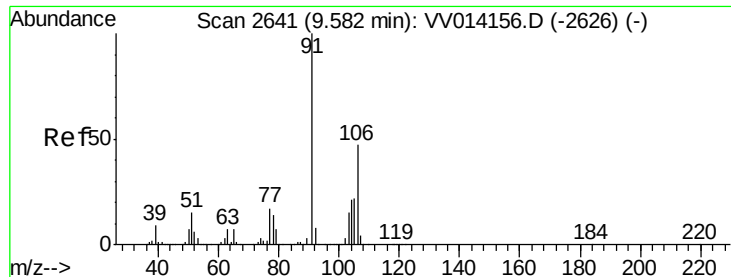
106 100

91 204.5 141.1 262.1



Abundance Ion 106.15 (105.85 to 106.85): VV014159.D (-2422) (-)





#54

o-xylene

Concen: 5.718 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

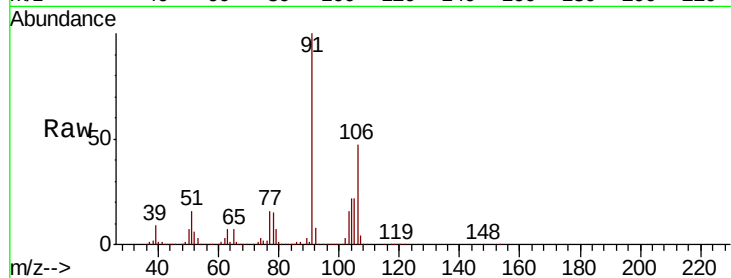
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 228359

Ion Ratio Lower Upper

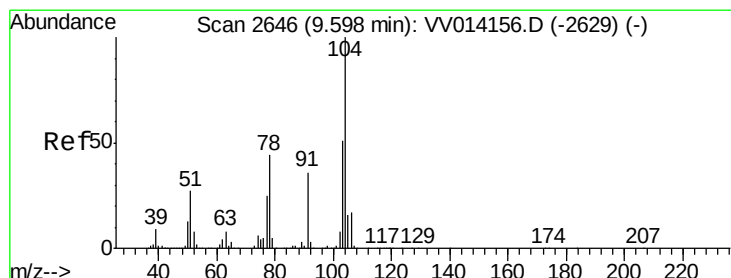
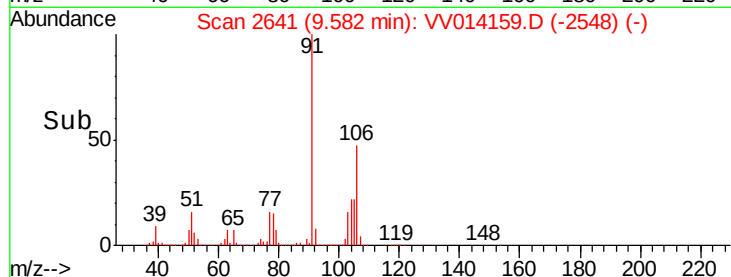
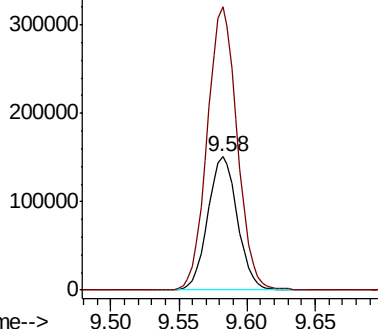
106 100

91 211.9 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.832 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014159.D

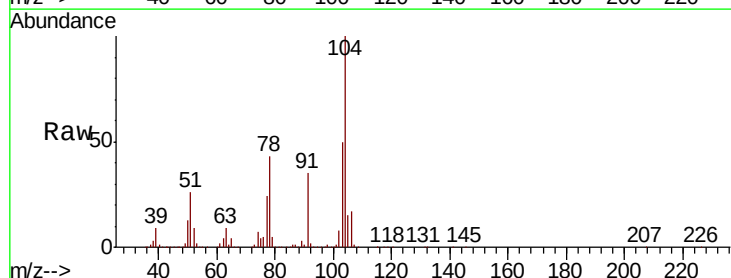
Acq: 23 Dec 2019 13:53

Tgt Ion:104 Resp: 402094

Ion Ratio Lower Upper

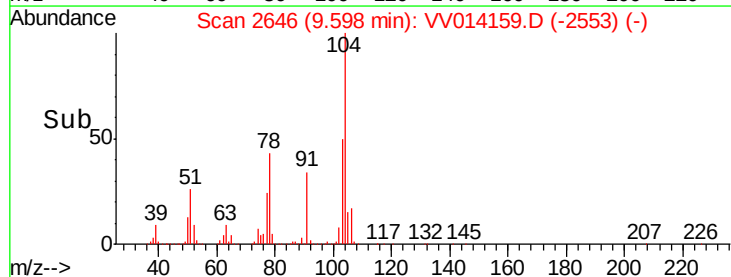
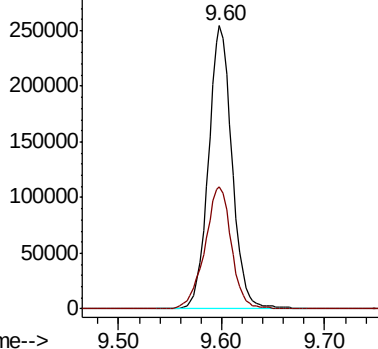
104 100

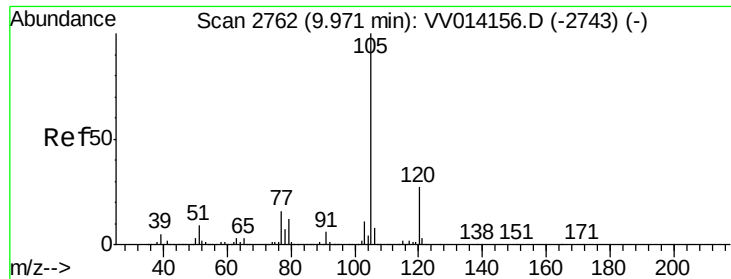
78 43.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.822 ug/L

RT: 9.97 min Scan# 2762

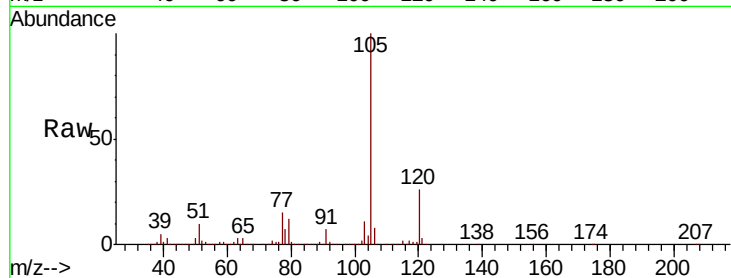
Delta R.T. 0.00 min

Lab File: VV014159.D

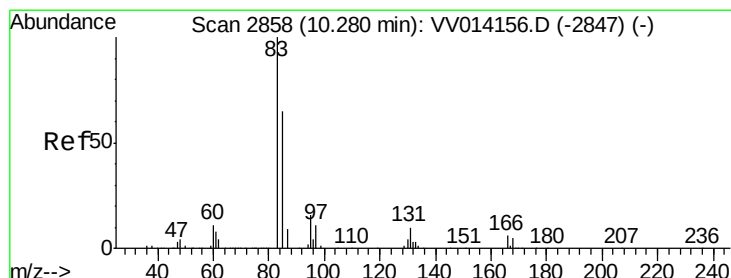
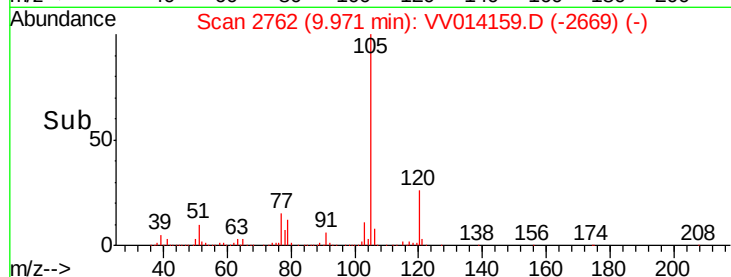
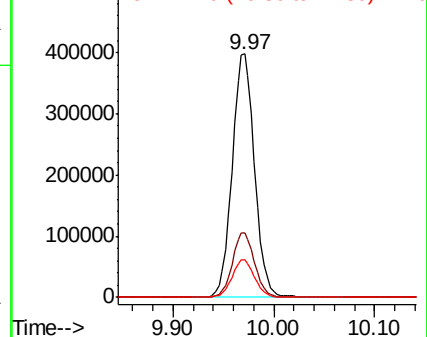
Acq: 23 Dec 2019 13:53

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	614543
Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.1	31.7
77	15.4	12.4	18.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.237 ug/L

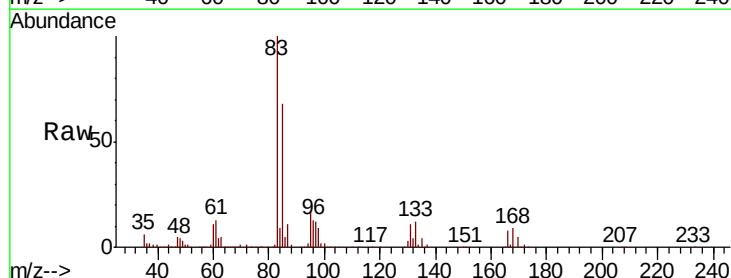
RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

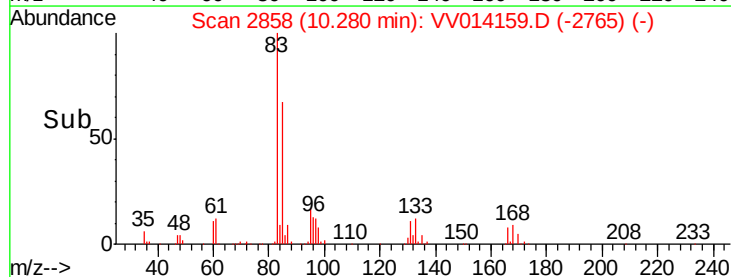
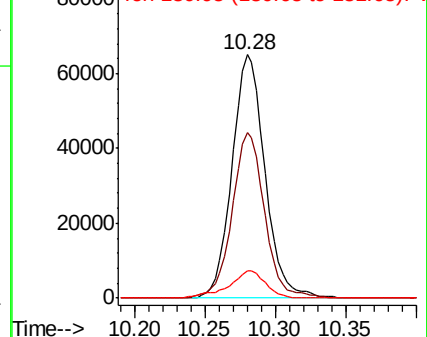
Lab File: VV014159.D

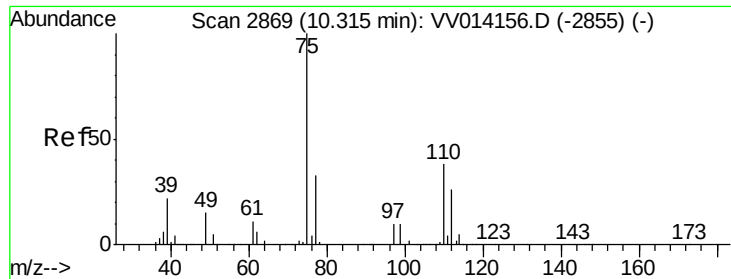
Acq: 23 Dec 2019 13:53

Tgt Ion:	83	Resp:	106061
Ion	Ratio	Lower	Upper
83	100		
85	67.9	46.3	86.1
131	11.2	8.9	13.3



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.381 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

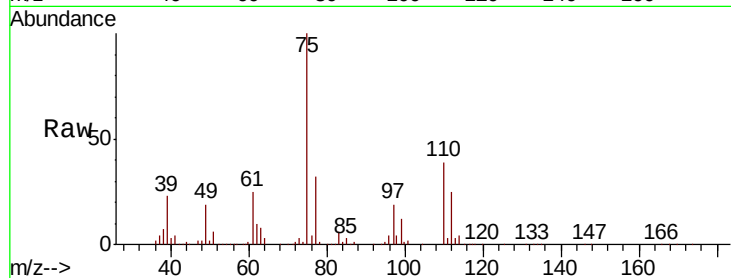
ClientSampled :

Tot Ion: 75 Resp: 80813

Ion Ratio Lower Upper

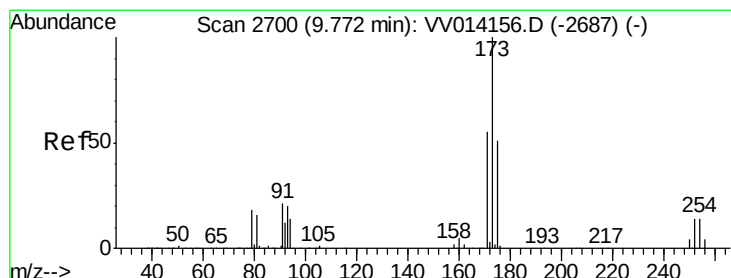
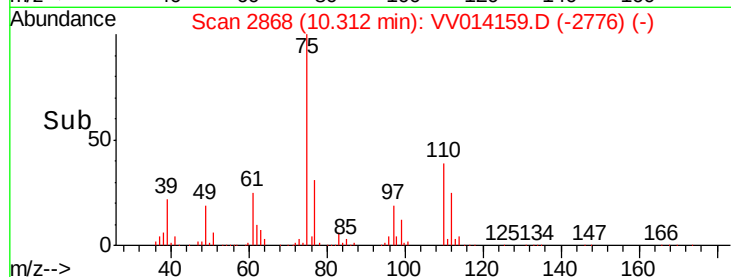
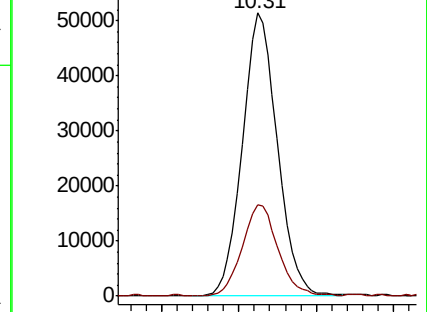
75 100

77 33.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014156.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV014159.D (-2776) (-)



#61

Bromoform

Concen: 5.066 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

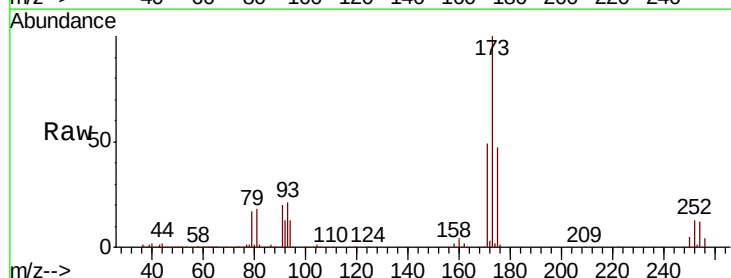
Tgt Ion: 173 Resp: 68044

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

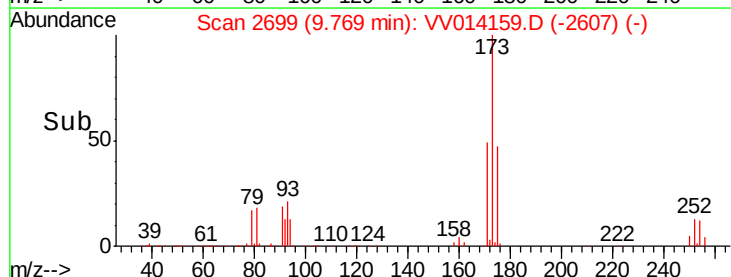
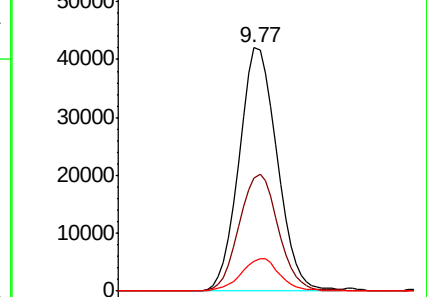
254 13.4 10.3 15.5

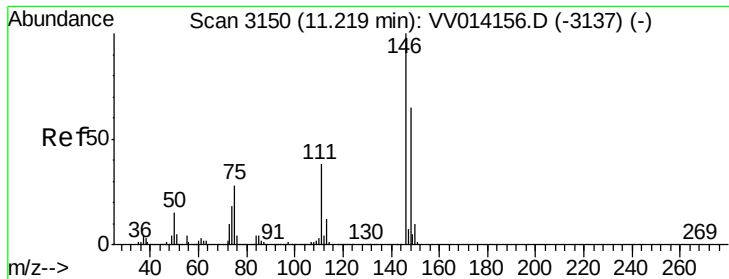


Abundance Ion 172.90 (172.60 to 173.60): VV014156.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014159.D (-2607) (-)

Ion 253.75 (253.45 to 254.45): VV014159.D (-2607) (-)





#62

1,3-Dichlorobenzene

Concen: 5.787 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

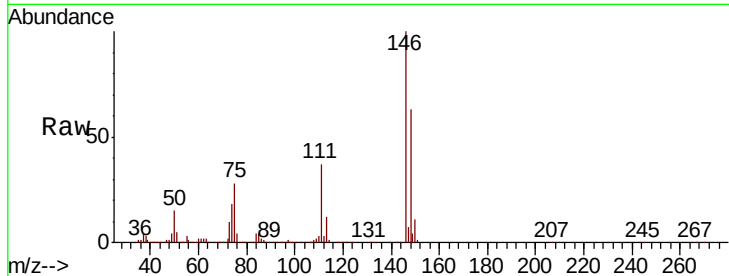
Tot Ion:146 Resp: 329082

Ion Ratio Lower Upper

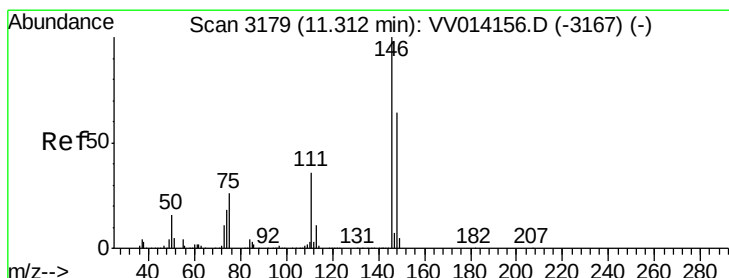
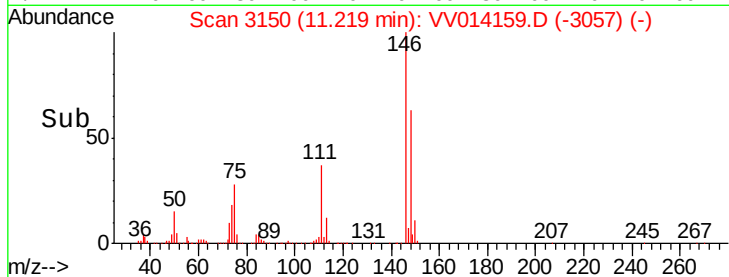
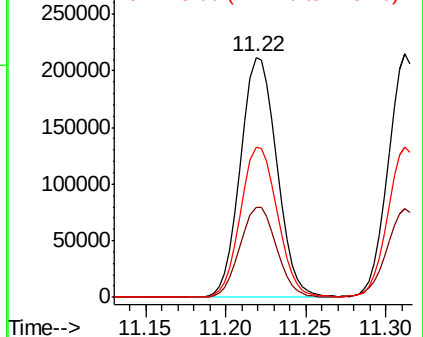
146 100

111 37.5 26.5 49.1

148 62.8 45.7 84.9



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



#63

1,4-Dichlorobenzene

Concen: 5.686 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

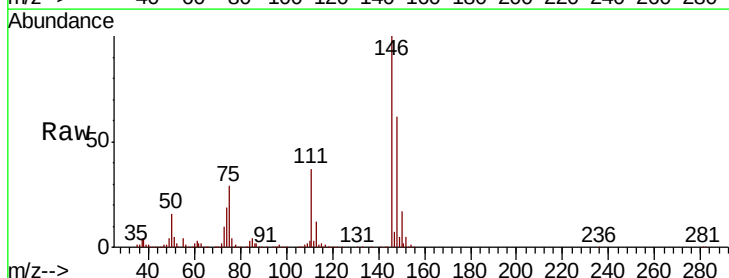
Tgt Ion:146 Resp: 327456

Ion Ratio Lower Upper

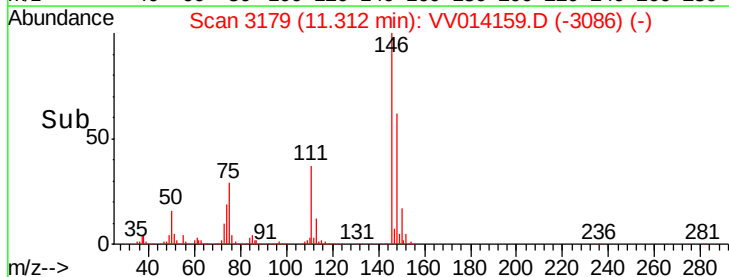
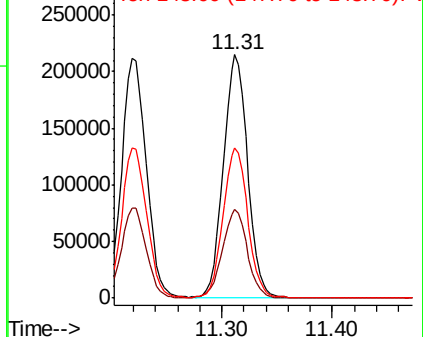
146 100

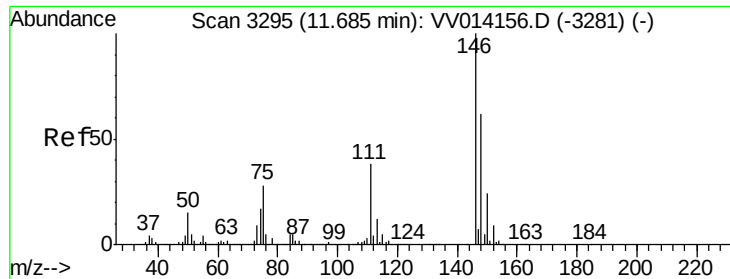
111 36.5 25.7 47.7

148 61.7 45.1 83.7



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





#65

1,2-Dichlorobenzene

Concen: 5.468 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

ClientSampled :

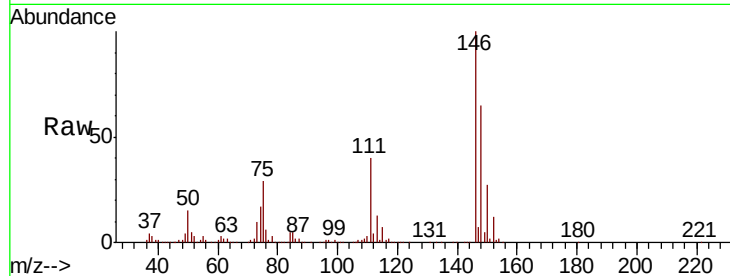
Tot Ion:146 Resp: 289498

Ion Ratio Lower Upper

146 100

111 40.4 30.7 46.1

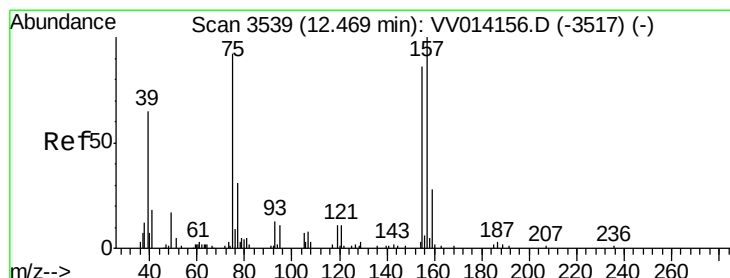
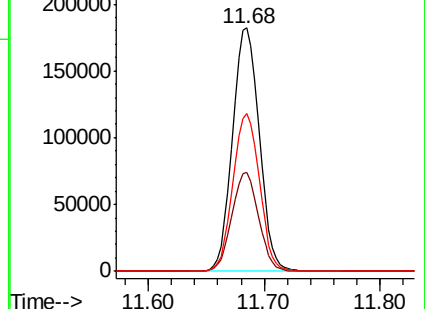
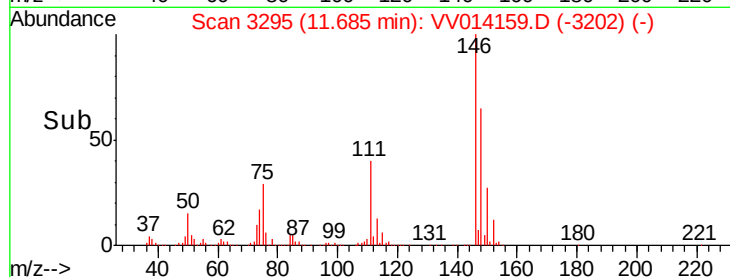
148 64.6 49.4 74.2



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: 5.123 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

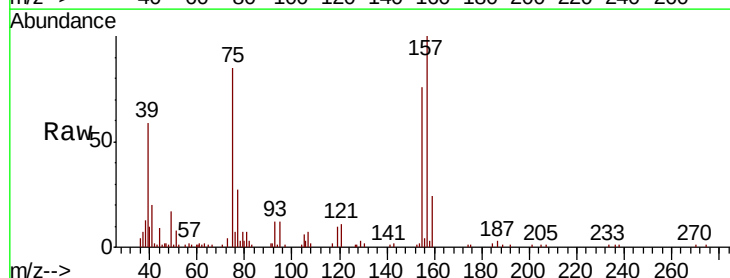
Tgt Ion: 75 Resp: 16632

Ion Ratio Lower Upper

75 100

155 89.6 75.0 112.6

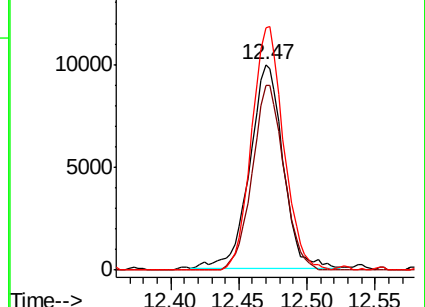
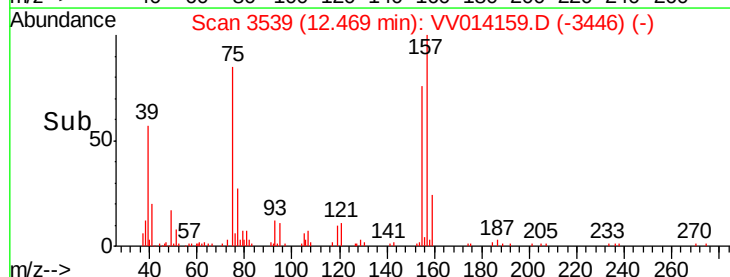
157 117.7 87.4 131.0

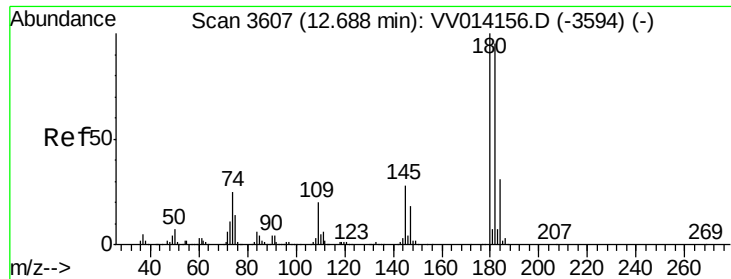


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

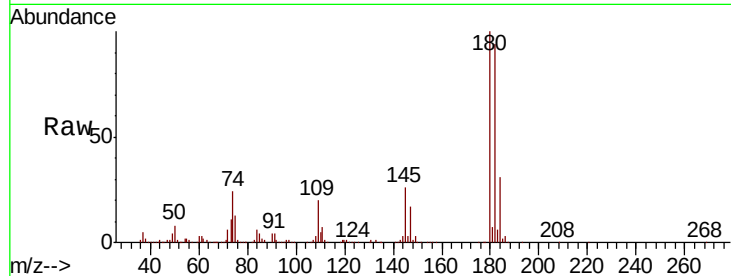




#67
 1,3,5-Trichlorobenzene
 Concen: 5.641 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.9	113.9
184	30.3	24.4	36.6
145	26.4	21.8	32.6



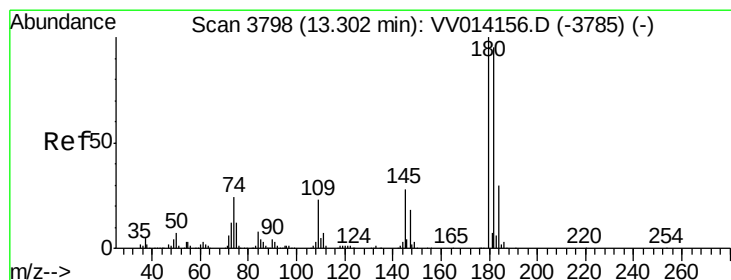
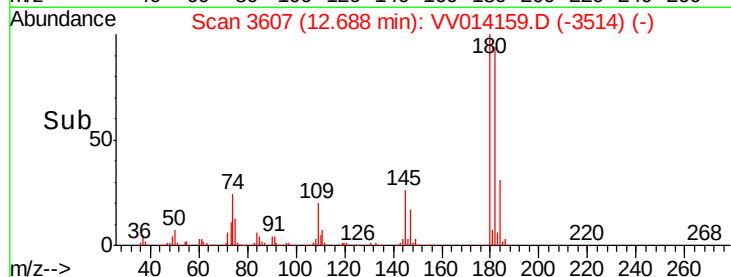
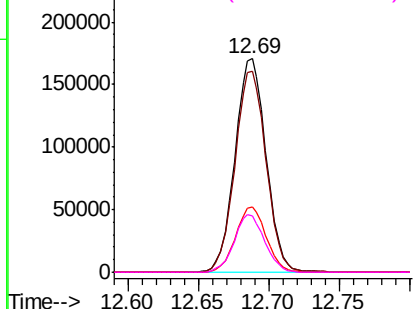
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

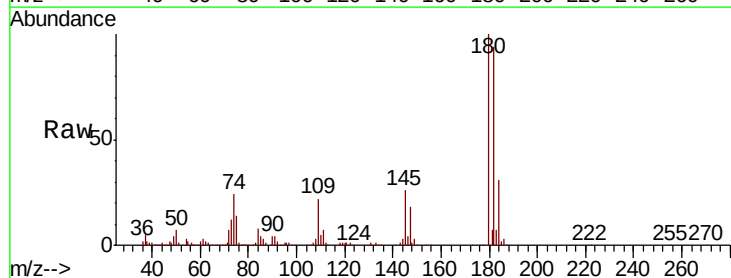
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.543 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014159.D
 Acq: 23 Dec 2019 13:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.9	115.3
145	28.1	22.0	33.0

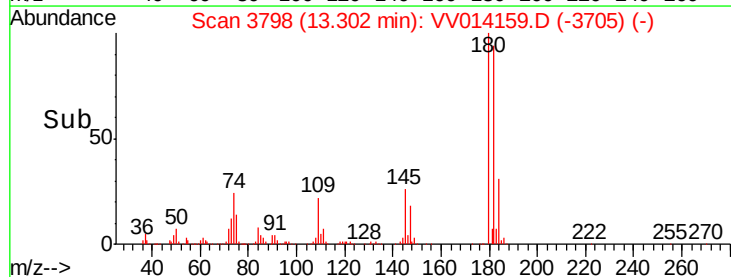
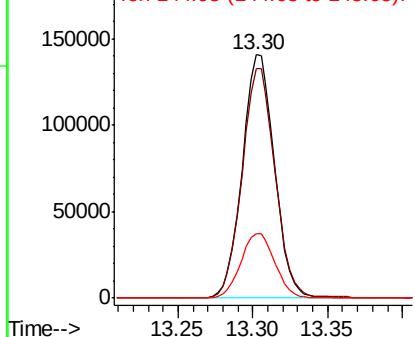


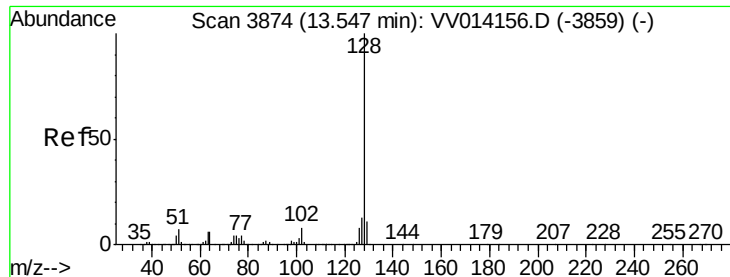
Abundance

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: 5.817 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

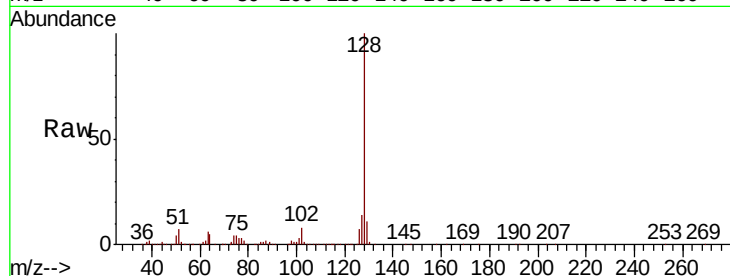
Tot Ion:128 Resp: 291207

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

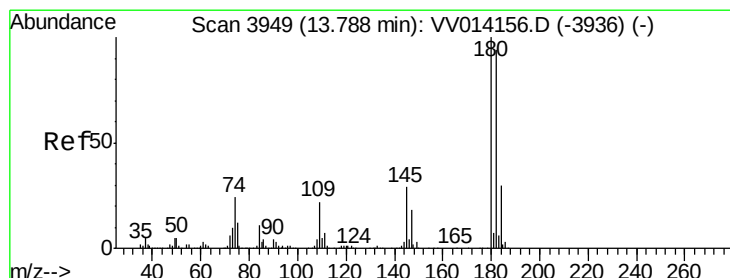
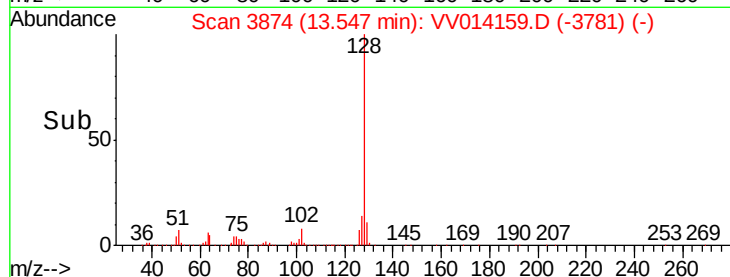
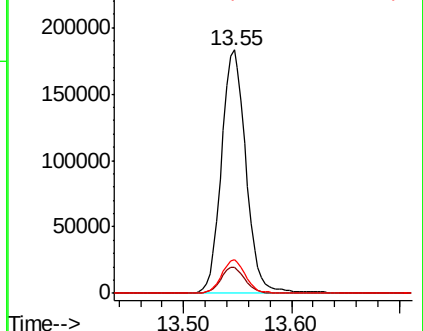
127 13.5 10.8 16.2



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: 5.627 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014159.D

Acq: 23 Dec 2019 13:53

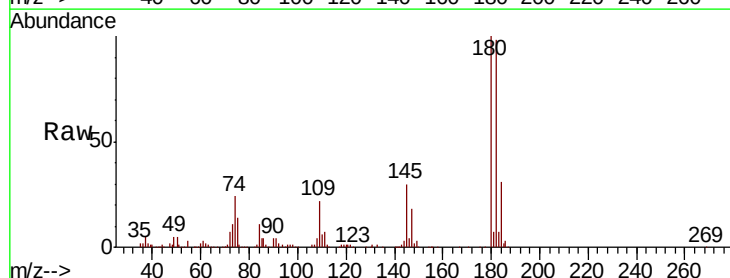
Tgt Ion:180 Resp: 198001

Ion Ratio Lower Upper

180 100

182 98.0 75.4 113.0

145 29.7 23.4 35.2



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

