

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121419\
 Data File : VV014060.D
 Acq On : 13 Dec 2019 18:38
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 14 05:39:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 14 05:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	368006	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	343063	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	181479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95664	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.12%
7) Chloroethane-d5	1.57	69	94382	66.10	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	132.20%#
11) 1,1-Dichloroethene-d2	2.13	63	192643	55.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.48%
21) 2-Butanone-d5	3.92	46	162802	111.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.07%
24) Chloroform-d	4.39	84	222138	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.02%
26) 1,2-Dichloroethane-d4	5.07	65	137115	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.58%
32) Benzene-d6	5.09	84	433814	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.11	67	133426	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.32%
41) Toluene-d8	7.35	98	386922	40.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.30%
43) trans-1,3-Dichloropropene-	7.66	79	58806	36.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.34%
47) 2-Hexanone-d5	8.13	63	99141	83.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.48%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	173048	42.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	162954	38.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.36%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	140745	54.148	ug/L	100
3) Chloromethane	1.25	50	155149	84.062	ug/L	96
5) Vinyl chloride	1.32	62	144293	80.996	ug/L	98
6) Bromomethane	1.51	94	77755	75.179	ug/L	100
8) Chloroethane	1.59	64	85903	92.072	ug/L	99
9) Trichlorofluoromethane	1.76	101	192785	66.557	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	111797	78.735	ug/L	95
12) 1,1-Dichloroethene	2.14	96	107533	80.426	ug/L	85
13) Acetone	2.18	43	143870	143.962	ug/L	97
14) Carbon disulfide	2.31	76	279843	61.936	ug/L	99
15) Methyl Acetate	2.45	43	133179	76.164	ug/L	93
16) Methylene chloride	2.53	84	128409	63.298	ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	111098	58.846	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	354075	54.580	ug/L	96
19) 1,1-Dichloroethane	3.23	63	214961	62.435	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	127127	57.168	ug/L	88
22) 2-Butanone	4.00	43	185897	144.338	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121419\
 Data File : VV014060.D
 Acq On : 13 Dec 2019 18:38
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 14 05:39:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 14 05:36:38 2019
 Response via : Initial Calibration

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

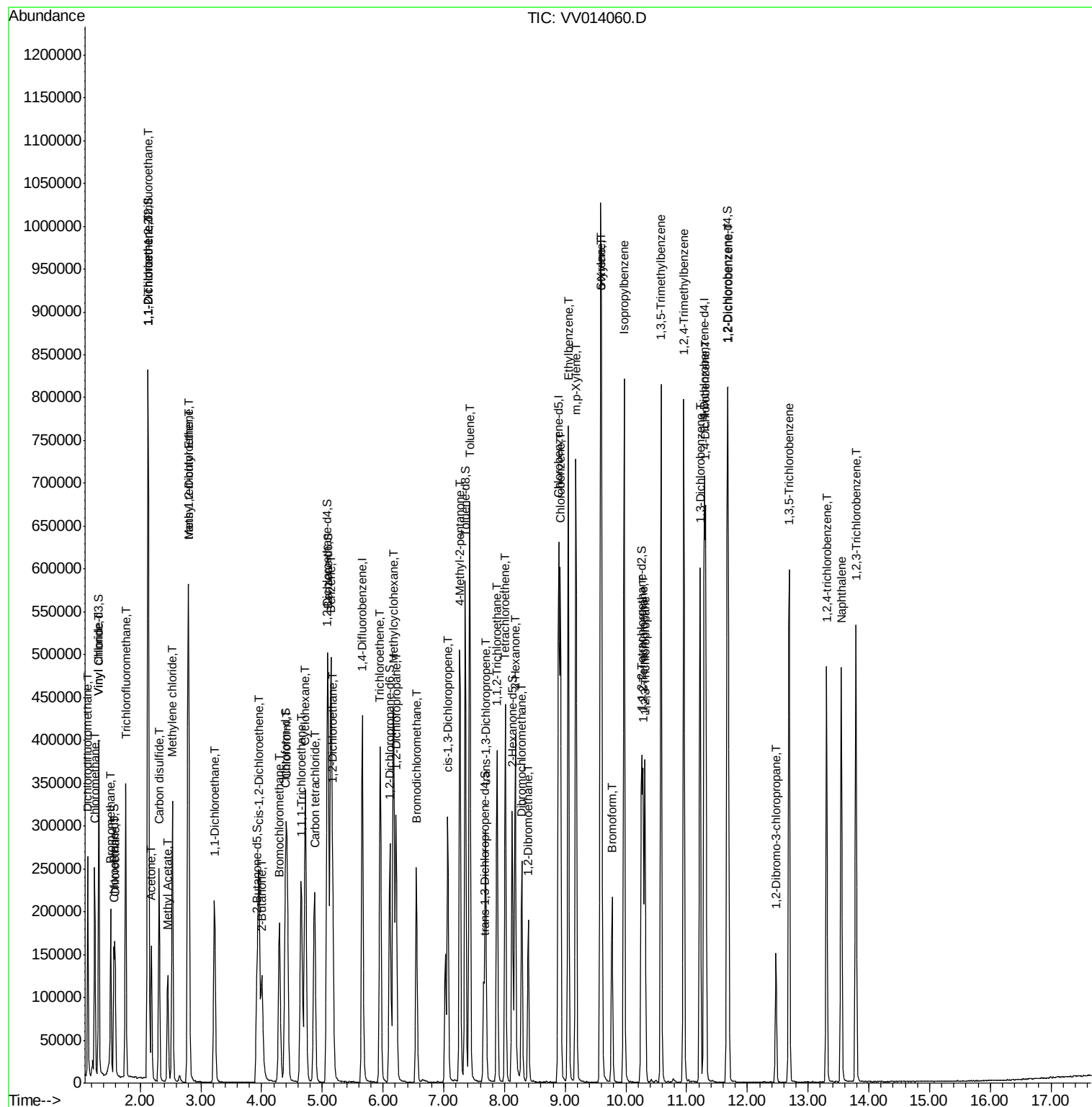
23) Bromochloromethane	4.29	128	68635	56.129	ug/L #	86
25) Chloroform	4.42	83	220361	56.465	ug/L	98
27) 1,2-Dichloroethane	5.17	62	166963	55.045	ug/L	96
29) Cyclohexane	4.72	56	179871	62.702	ug/L	93
30) 1,1,1-Trichloroethane	4.65	97	188902	51.836	ug/L	98
31) Carbon tetrachloride	4.87	117	168334	49.791	ug/L	98
33) Benzene	5.14	78	480802	60.883	ug/L	100
34) Trichloroethene	5.96	95	128848	58.701	ug/L	99
35) Methylcyclohexane	6.17	83	177389	54.297	ug/L	91
37) 1,2-Dichloropropane	6.22	63	121411	63.031	ug/L	100
38) Bromodichloromethane	6.55	83	163412	53.927	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	182518	53.745	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	322483	130.080	ug/L	96
42) Toluene	7.43	91	494062	56.304	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	158943	49.581	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	117311	56.498	ug/L	97
46) Tetrachloroethene	8.01	164	105295	51.486	ug/L	95
48) 2-Hexanone	8.18	43	248280	132.839	ug/L	98
49) Dibromochloromethane	8.29	129	133868	49.683	ug/L	98
50) 1,2-Dibromoethane	8.39	107	122432	53.317	ug/L	98
51) Chlorobenzene	8.92	112	317952	53.743	ug/L	99
52) Ethylbenzene	9.05	91	522554	53.074	ug/L	99
53) m,p-Xylene	9.18	106	203237	53.509	ug/L	92
54) o-Xylene	9.58	106	200371	53.163	ug/L	97
55) Styrene	9.60	104	347675	54.759	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	165779	51.919	ug/L	99
59) Bromoform	9.77	173	102372	48.090	ug/L	98
60) Isopropylbenzene	9.97	105	518256	52.166	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	148769	60.369	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	419383	48.831	ug/L	98
63) 1,2,4-Trimethylbenzene	10.96	105	420343	49.588	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	259276	51.724	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	257608	50.843	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	266496	52.106	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.47	75	33992	41.854	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	198491	48.848	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	159437	45.253	ug/L	98
71) Naphthalene	13.55	128	384198	43.025	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	176348	49.738	ug/L	99

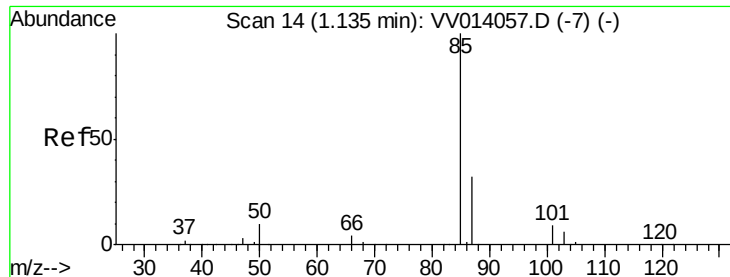
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121419\
 Data File : VV014060.D
 Acq On : 13 Dec 2019 18:38
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 14 05:39:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 14 05:36:38 2019
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 54.148 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

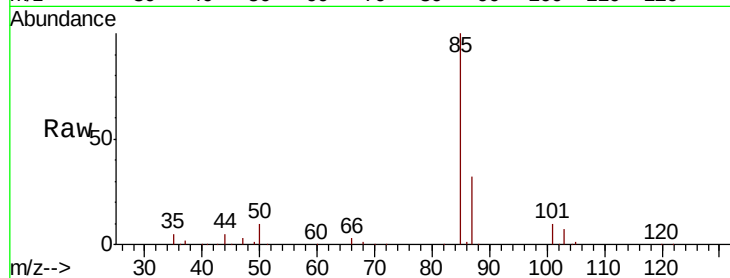
ClientSampleId :

Tot Ion: 85 Resp: 140745

Ion Ratio Lower Upper

85 100

87 31.8 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV014057.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014057.D (-7) (-)

1.14

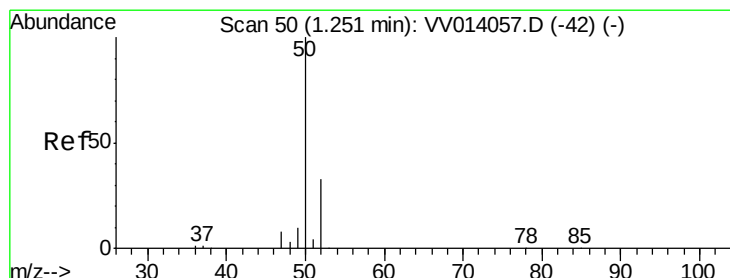
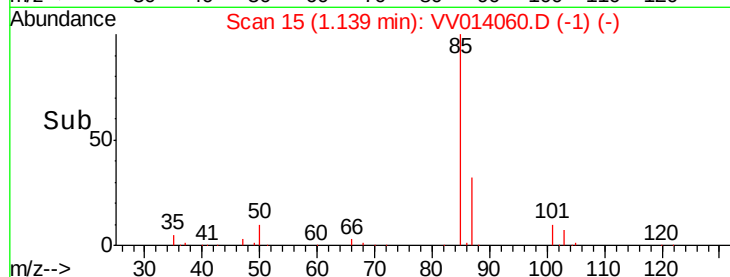
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 84.062 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014060.D

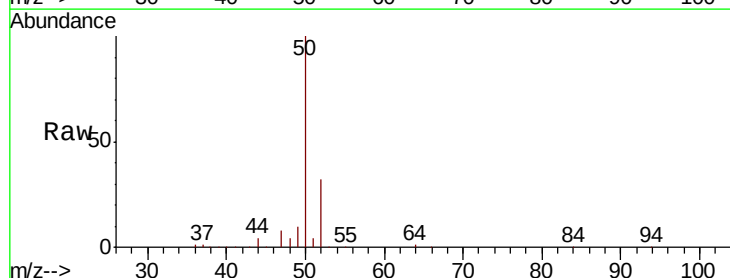
Acq: 13 Dec 2019 18:38

Tgt Ion: 50 Resp: 155149

Ion Ratio Lower Upper

50 100

52 31.8 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV014057.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV014057.D (-42) (-)

1.25

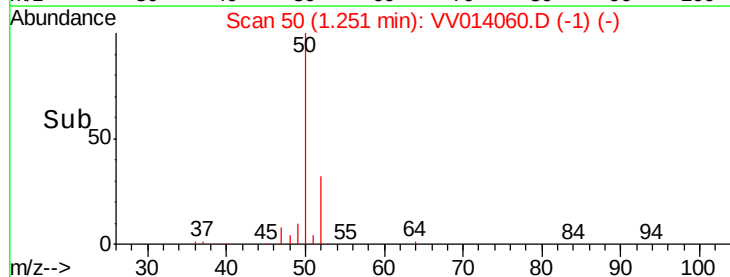
150000

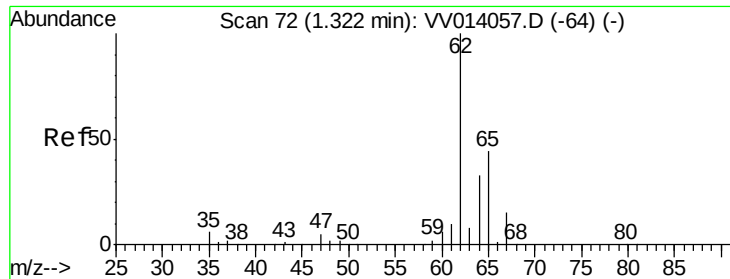
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 80.996 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

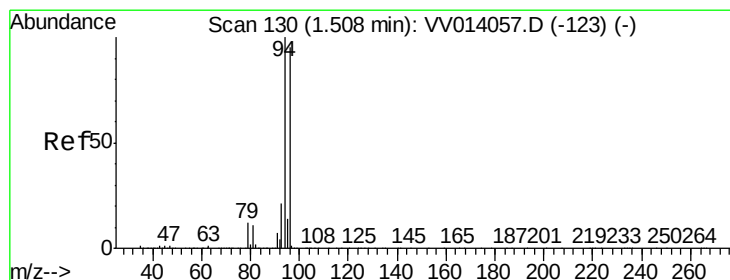
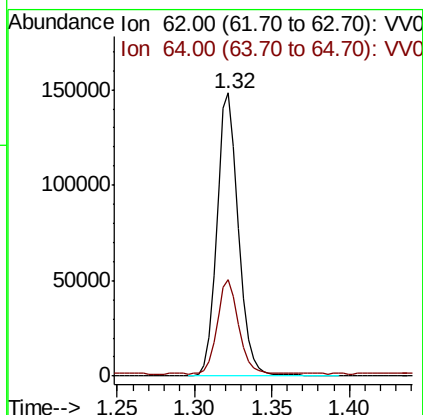
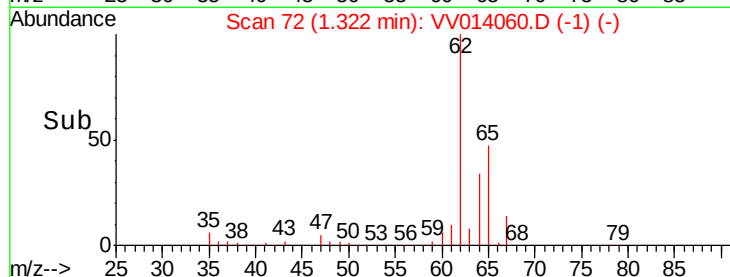
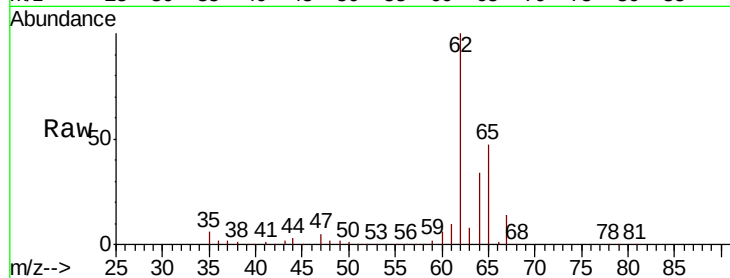
ClientSampled :

Tot Ion: 62 Resp: 144293

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.8



#6

Bromomethane

Concen: 75.179 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.01 min

Lab File: VV014060.D

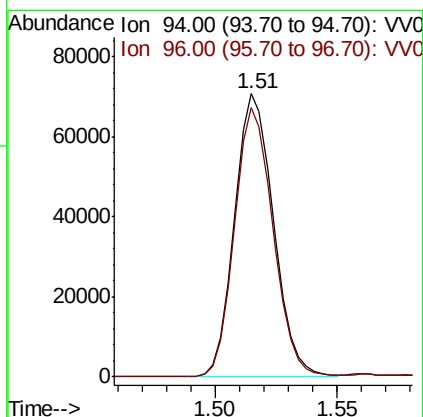
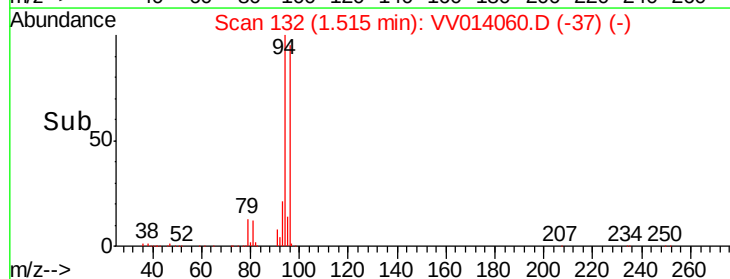
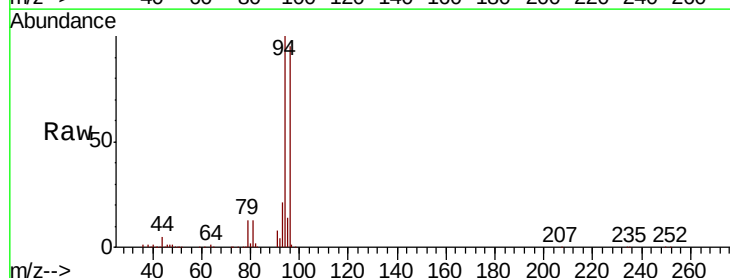
Acq: 13 Dec 2019 18:38

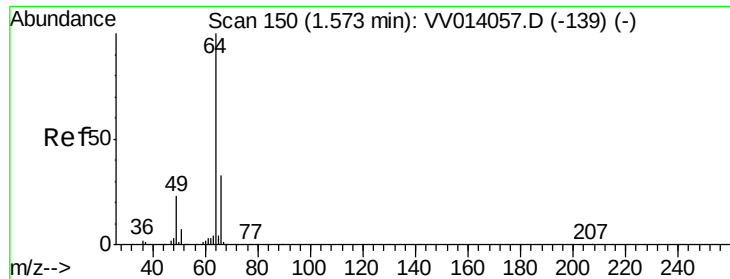
Tgt Ion: 94 Resp: 77755

Ion Ratio Lower Upper

94 100

96 95.0 66.8 124.0





#8

Chloroethane

Concen: 92.072 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.02 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

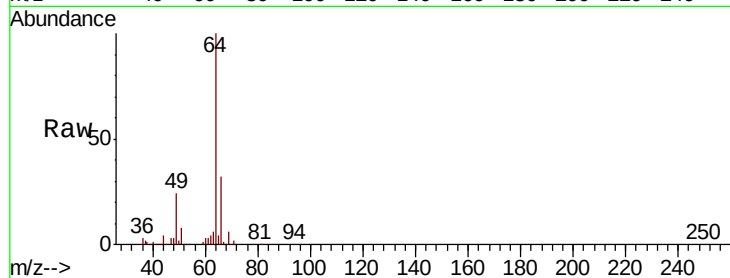
ClientSampleId :

Tot Ion: 64 Resp: 85903

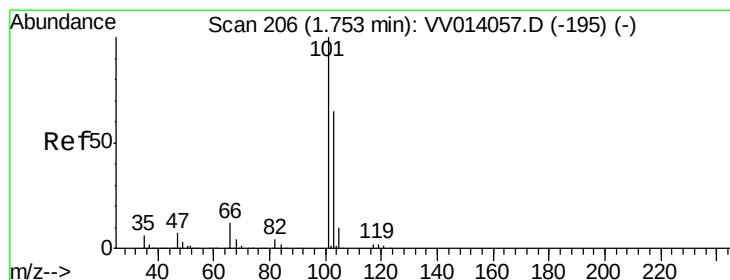
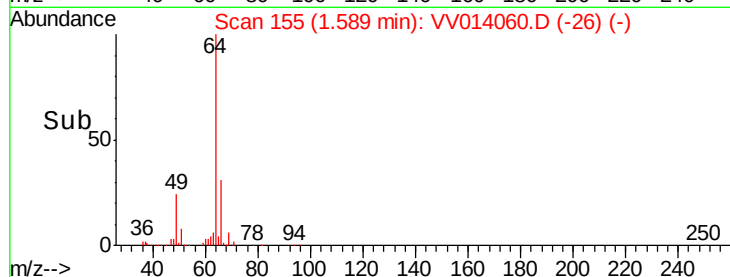
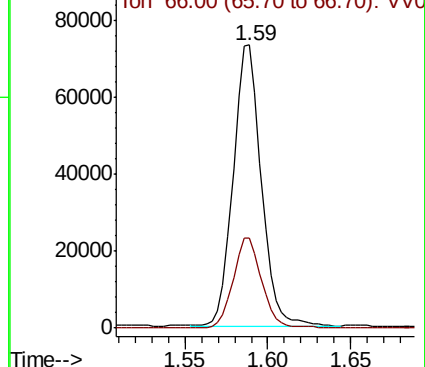
Ion Ratio Lower Upper

64 100

66 31.6 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014057.D (-139) (-)



#9

Trichlorofluoromethane

Concen: 66.557 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV014060.D

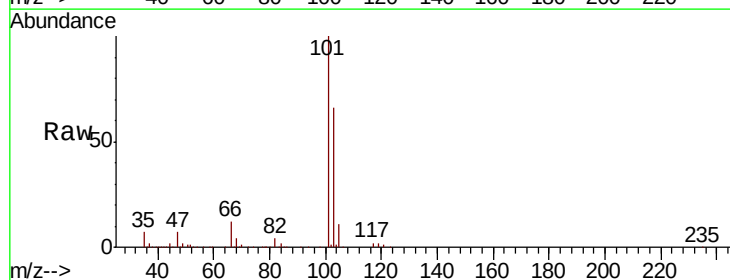
Acq: 13 Dec 2019 18:38

Tgt Ion: 101 Resp: 192785

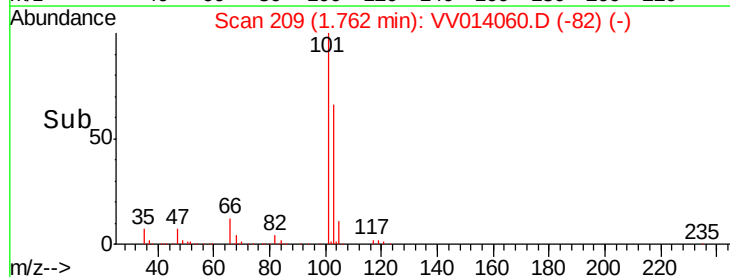
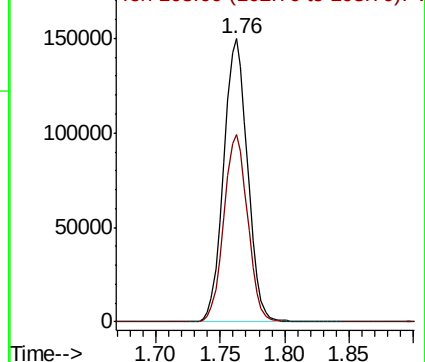
Ion Ratio Lower Upper

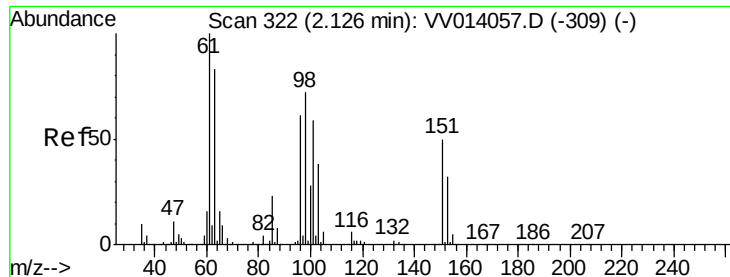
101 100

103 65.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV014057.D (-195) (-)





#10

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

Concen: 78.735 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

ClientSampled :

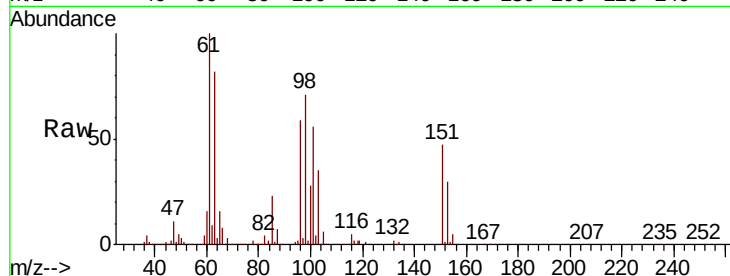
Tot Ion:101 Resp: 111797

Ion Ratio Lower Upper

101 100

85 40.8 34.4 51.6

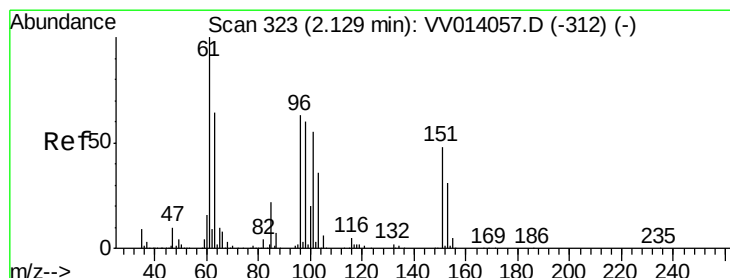
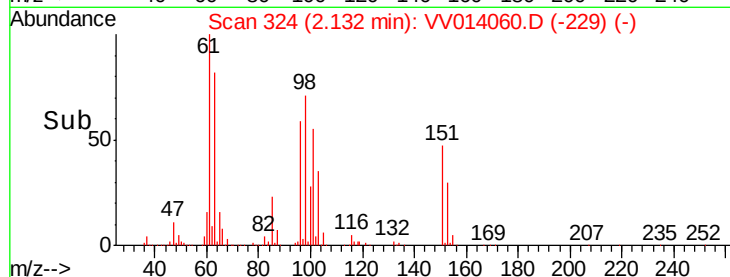
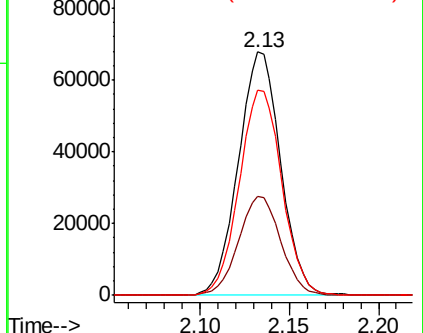
151 85.2 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 80.426 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

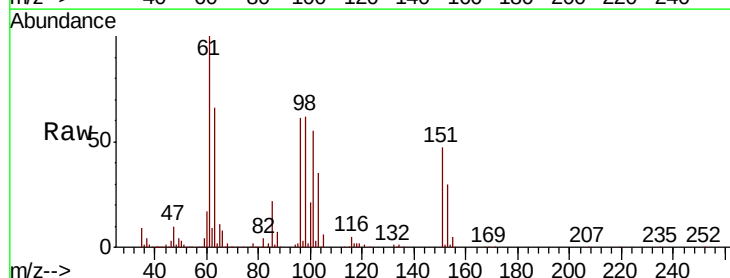
Tgt Ion: 96 Resp: 107533

Ion Ratio Lower Upper

96 100

61 163.3 120.0 223.0

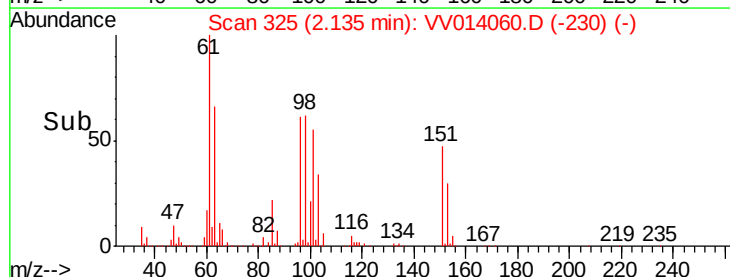
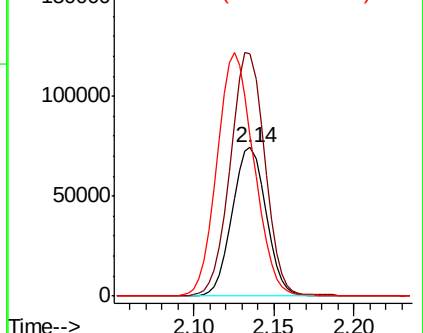
63 108.0 98.3 182.7

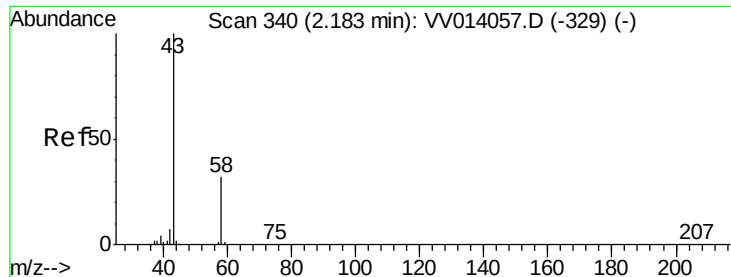


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 143.962 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

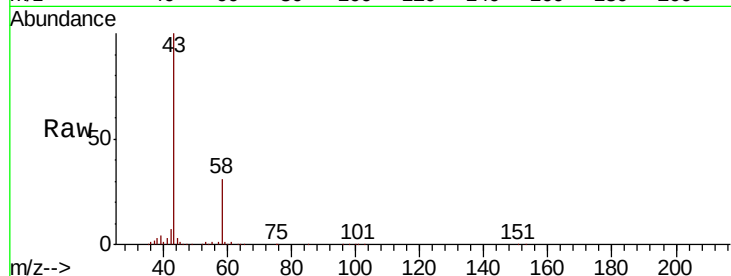
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 143870

Ion Ratio Lower Upper

43 100

58 31.5 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV014057.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014057.D (-329) (-)

2.18

100000

80000

60000

40000

20000

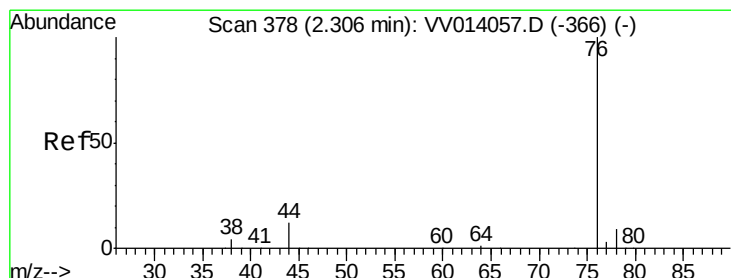
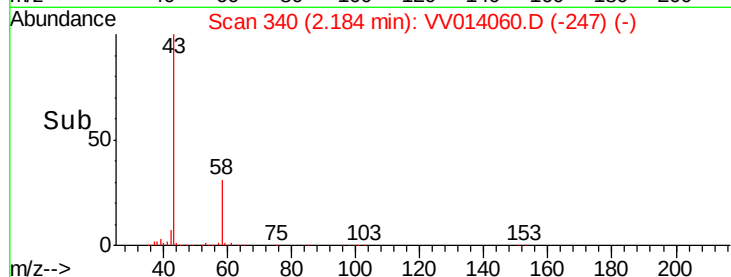
0

2.15

2.20

2.25

Time-->



#14

Carbon disulfide

Concen: 61.936 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV014060.D

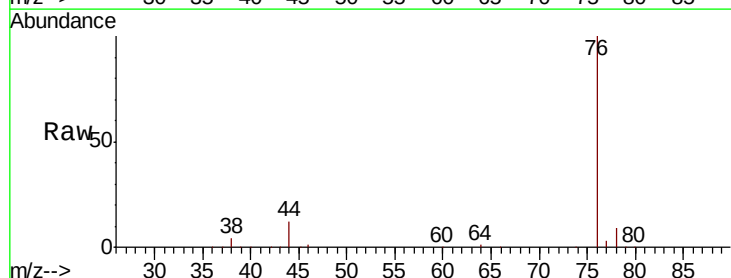
Acq: 13 Dec 2019 18:38

Tgt Ion: 76 Resp: 279843

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014057.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV014057.D (-366) (-)

2.31

200000

150000

100000

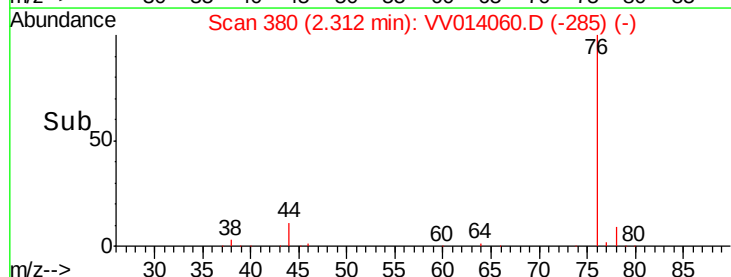
50000

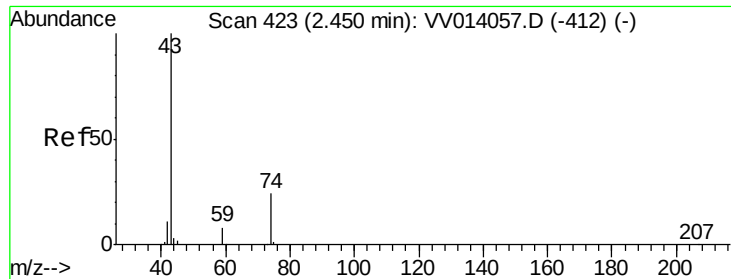
0

2.30

2.40

Time-->

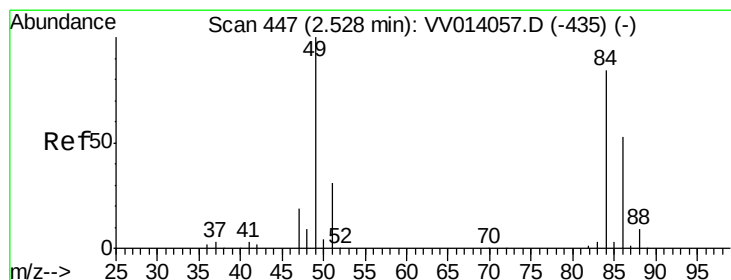
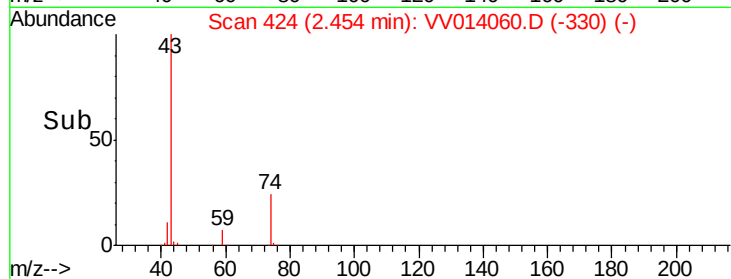
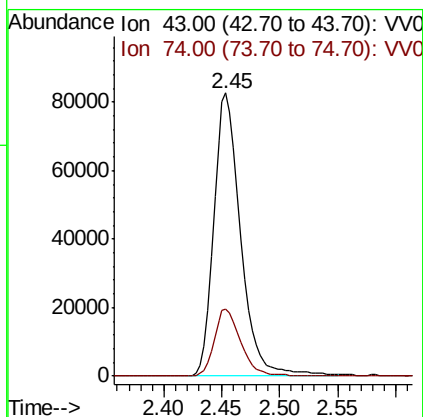
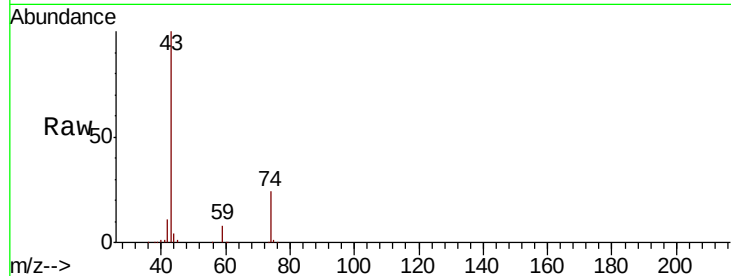




#15
Methvl Acetate
Concen: 76.164 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

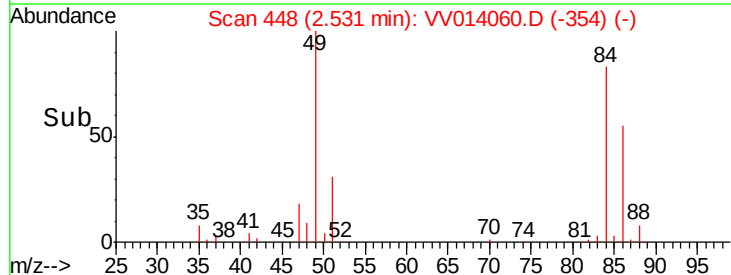
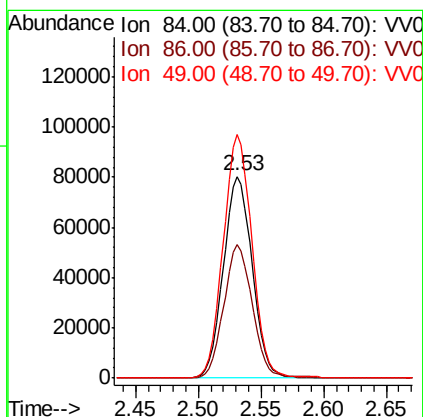
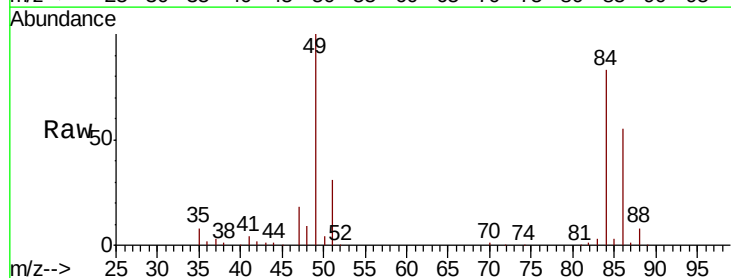
Instrument :
MSVOA_V
ClientSampleId :

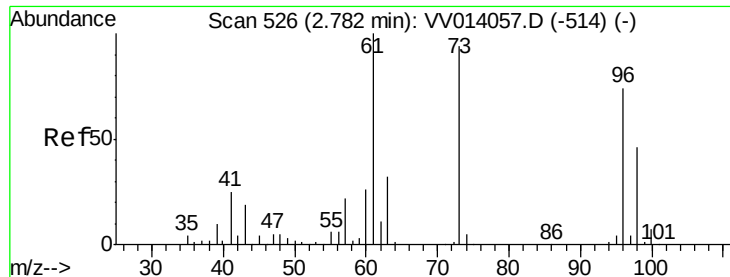
Tot Ion: 43 Resp: 133179
Ion Ratio Lower Upper
43 100
74 23.4 21.8 32.6



#16
Methylene chloride
Concen: 63.298 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion: 84 Resp: 128409
Ion Ratio Lower Upper
84 100
86 66.1 45.7 84.9
49 120.8 76.6 142.2

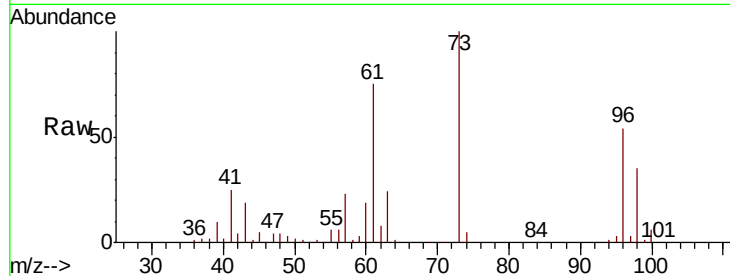




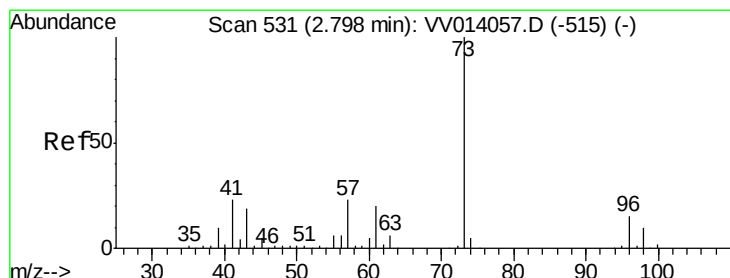
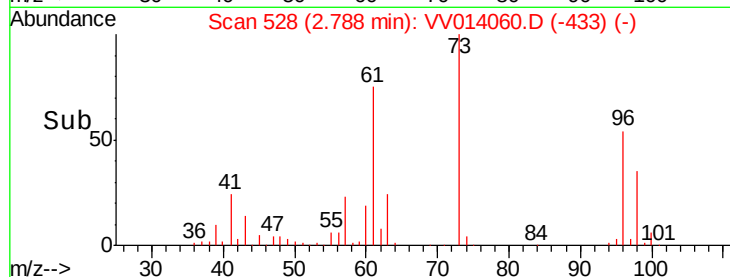
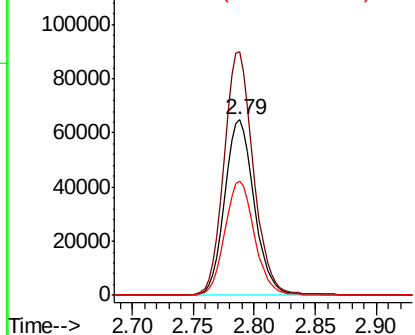
#17
trans-1,2-Dichloroethene
Concen: 58.846 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 111098
Ion Ratio Lower Upper
96 100
61 139.0 90.6 168.3
98 65.6 44.2 82.2

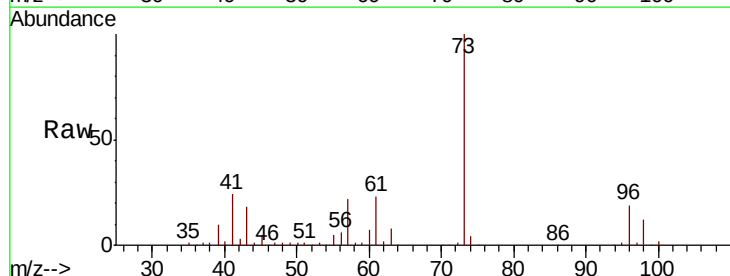


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

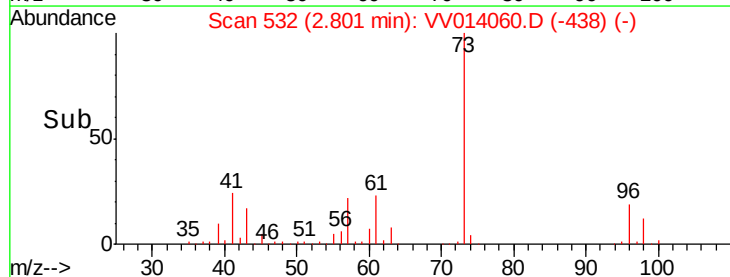
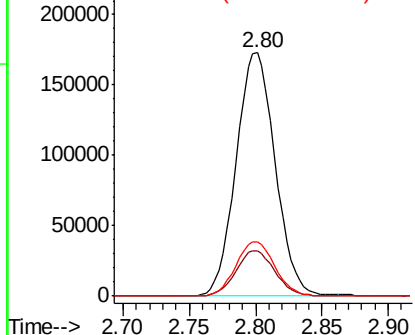


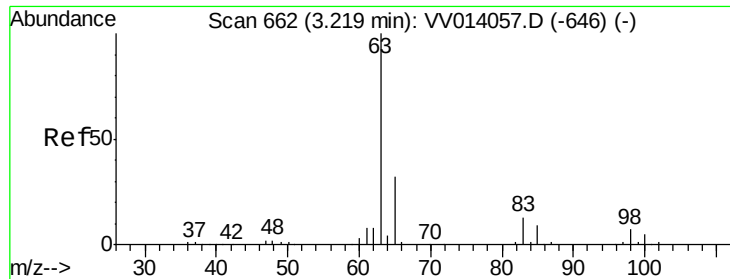
#18
Methyl tert-butyl Ether
Concen: 54.580 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion: 73 Resp: 354075
Ion Ratio Lower Upper
73 100
43 18.4 15.6 23.4
57 22.4 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 62.435 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.01 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

ClientSampled :

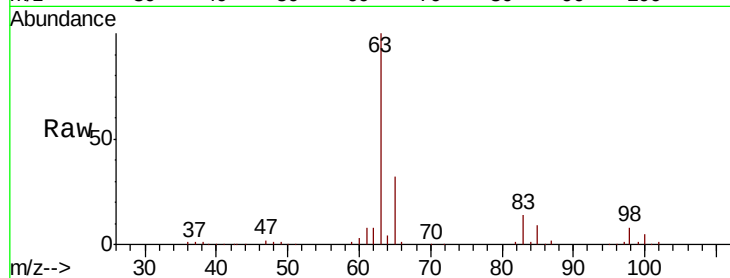
Tot Ion: 63 Resp: 214961

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.3

83 13.8 10.3 19.1

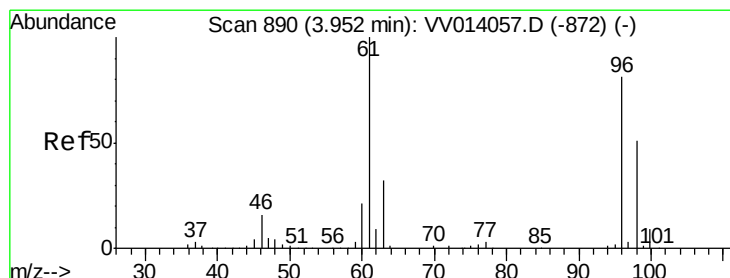
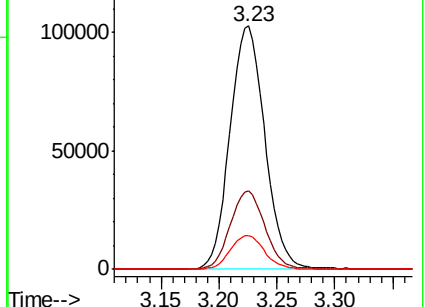
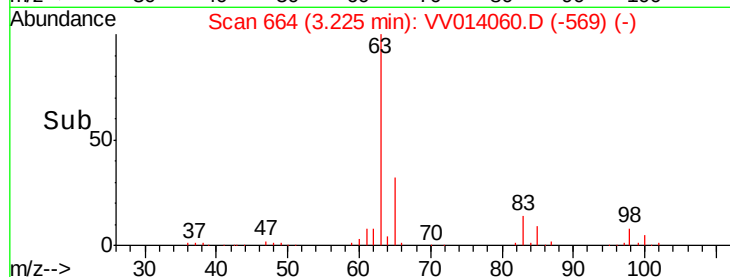


Abundance Ion 63.00 (62.70 to 63.70): VV014057.D (-646) (-)

Ion 65.00 (64.70 to 65.70): VV014057.D (-646) (-)

Ion 83.00 (82.70 to 83.70): VV014057.D (-646) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 57.168 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

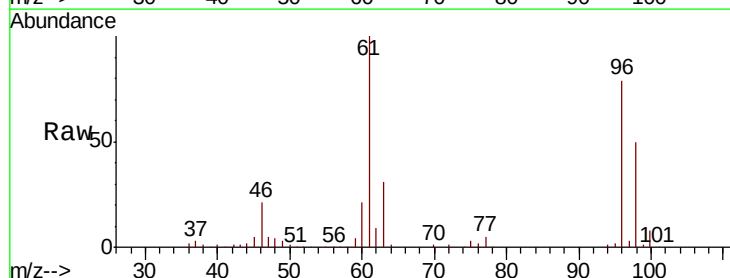
Tgt Ion: 96 Resp: 127127

Ion Ratio Lower Upper

96 100

61 126.8 80.0 148.6

68 0.0 0.0 0.0

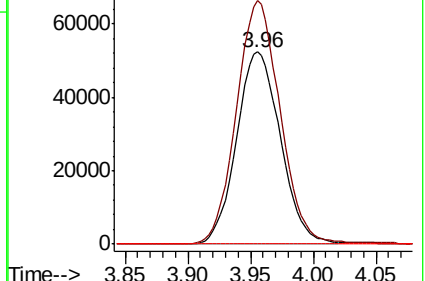
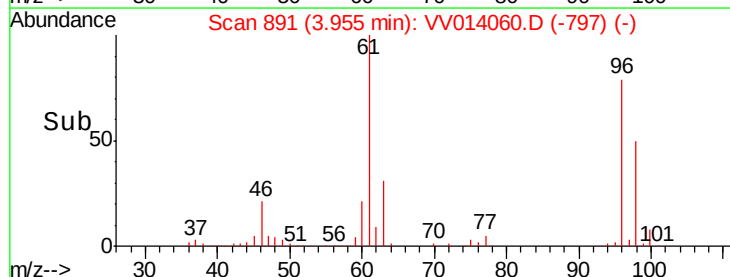


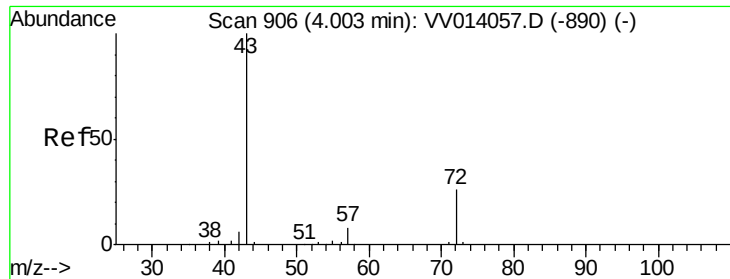
Abundance Ion 96.00 (95.70 to 96.70): VV014057.D (-872) (-)

Ion 61.00 (60.70 to 61.70): VV014057.D (-872) (-)

Ion 68.00 (67.70 to 68.70): VV014057.D (-872) (-)

Time-->





#22

2-Butanone

Concen: 144.338 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

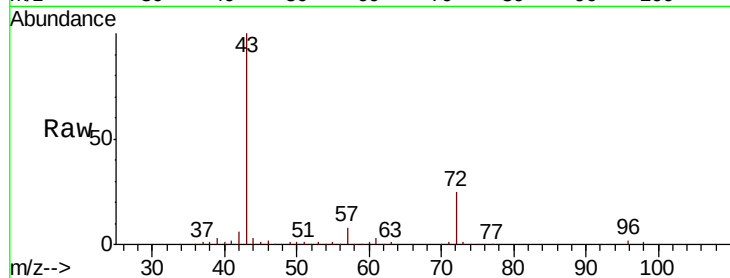
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 185897

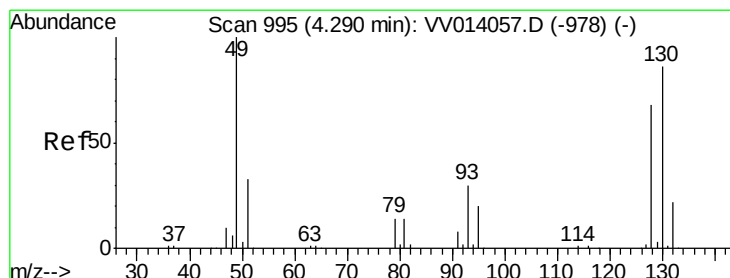
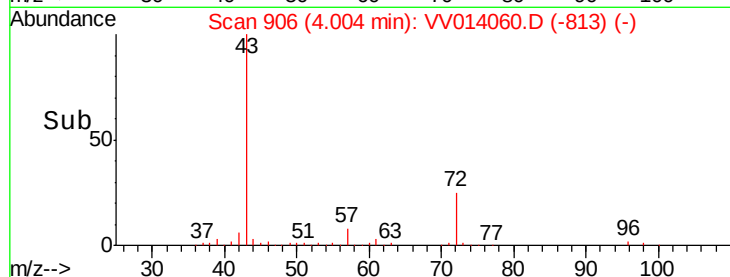
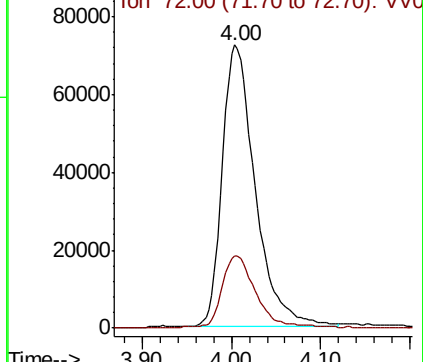
Ion Ratio Lower Upper

43 100

72 26.3 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV014060.D (-813) (-)



#23

Bromochloromethane

Concen: 56.129 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Tgt Ion: 128 Resp: 68635

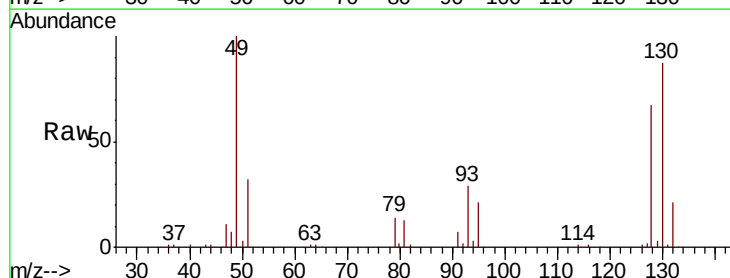
Ion Ratio Lower Upper

128 100

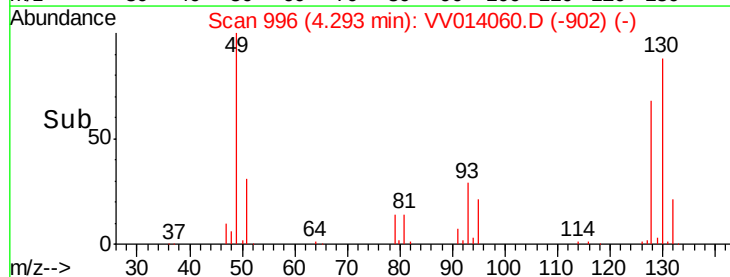
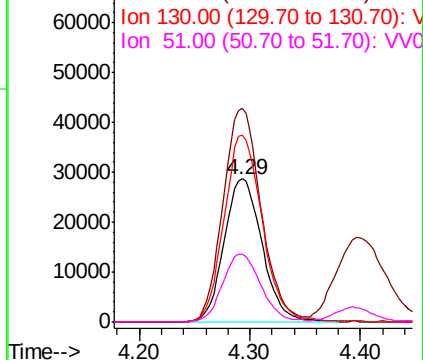
49 149.4 84.6 157.2

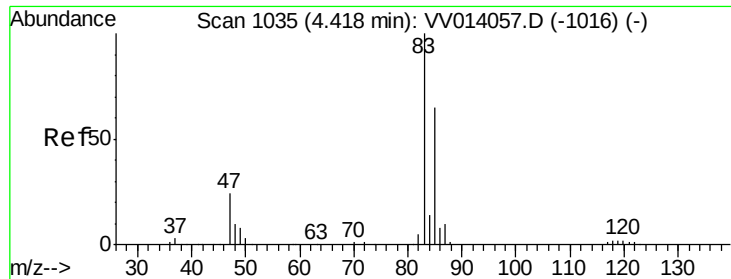
130 130.3 89.9 167.0

51 47.6 30.5 45.7#



Abundance Ion 128.00 (127.70 to 128.70): VV014060.D (-902) (-)

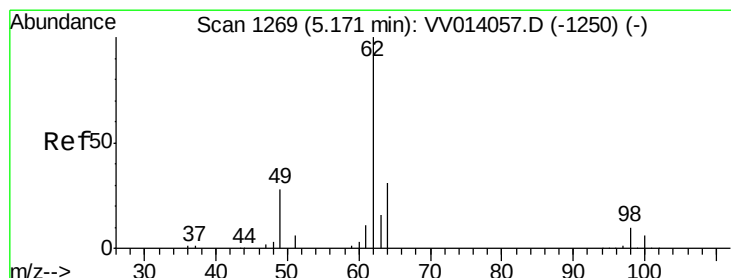
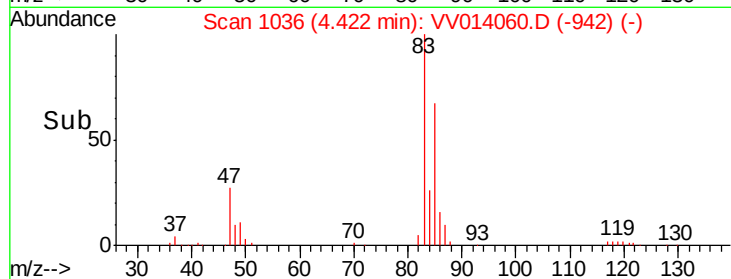
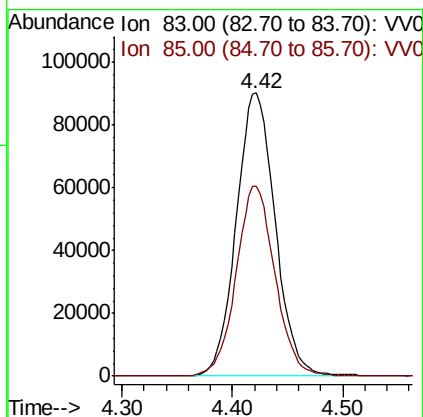
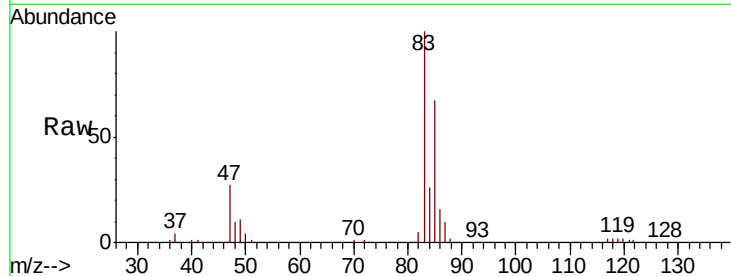




#25
Chloroform
Concen: 56.465 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

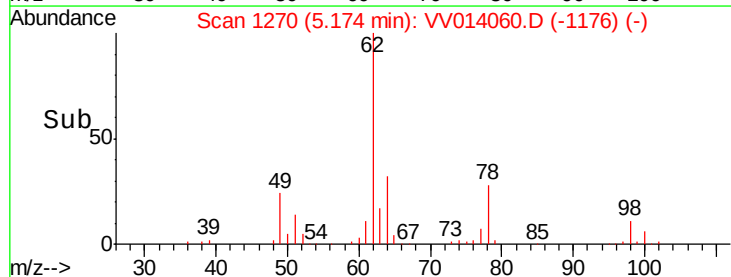
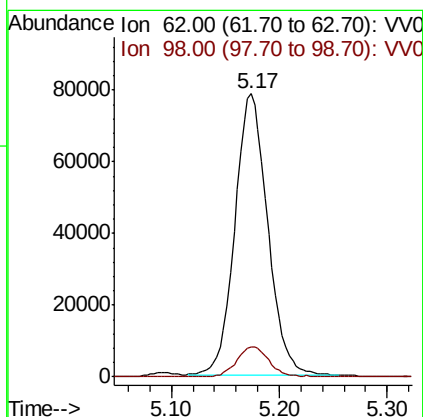
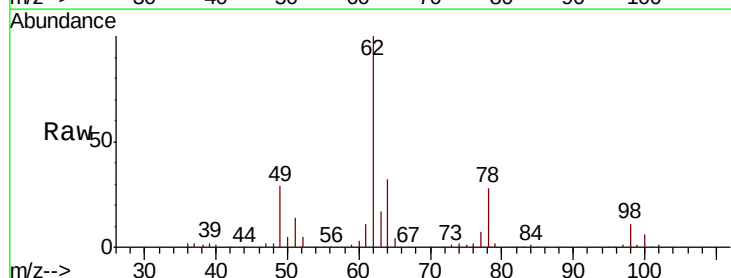
Instrument :
MSVOA_V
ClientSampled :

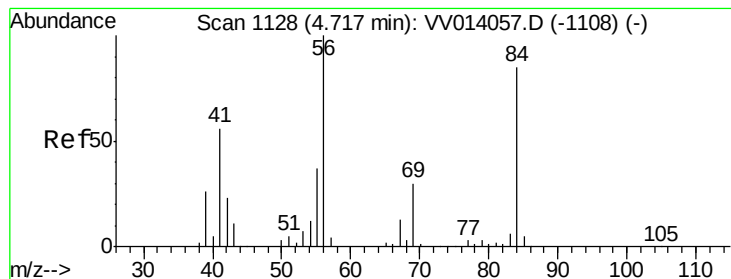
Tot Ion: 83 Resp: 220361
Ion Ratio Lower Upper
83 100
85 67.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 55.045 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion: 62 Resp: 166963
Ion Ratio Lower Upper
62 100
98 10.7 7.5 11.3





#29

Cyclohexane

Concen: 62.702 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :
MSVOA_V
ClientSampleId :

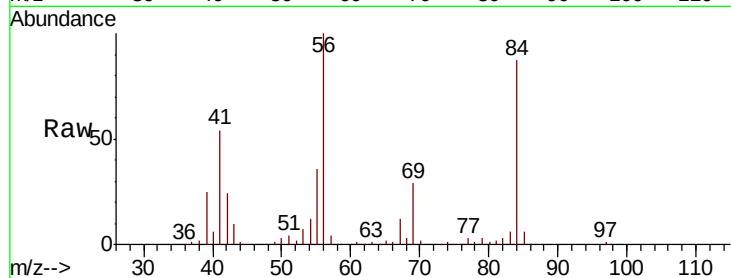
Tot Ion: 56 Resp: 179871

Ion Ratio Lower Upper

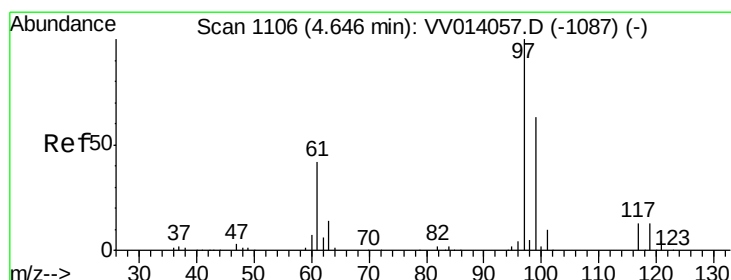
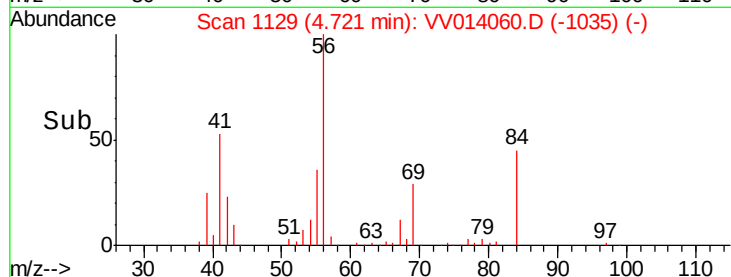
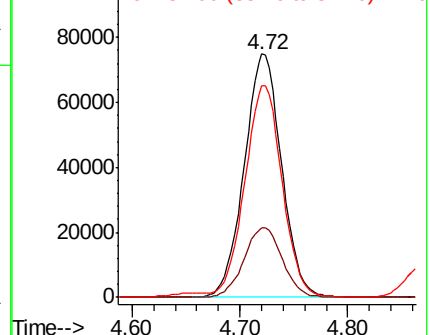
56 100

69 29.4 25.8 38.8

84 87.1 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.836 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

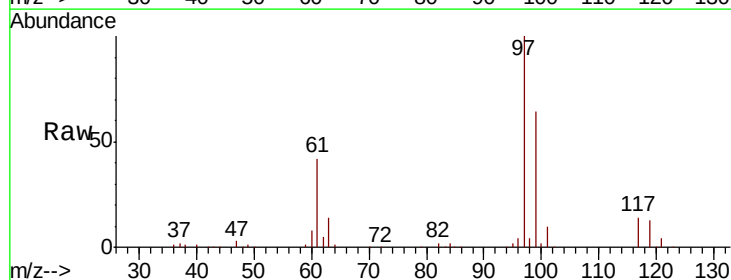
Tgt Ion: 97 Resp: 188902

Ion Ratio Lower Upper

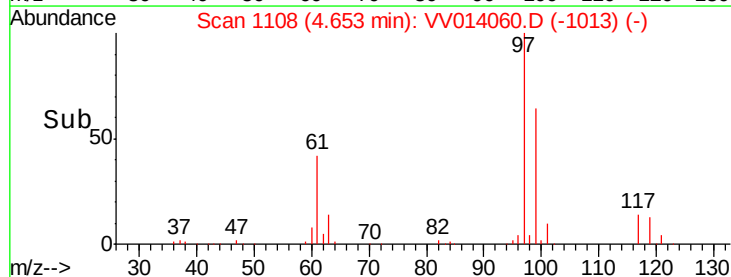
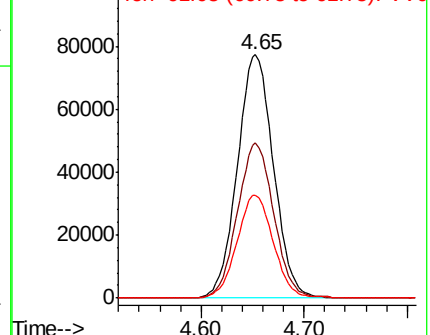
97 100

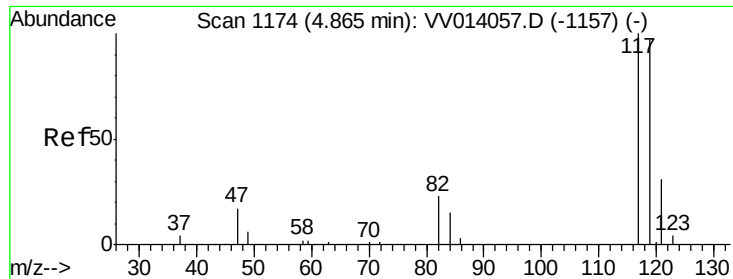
99 63.9 51.1 76.7

61 42.5 31.3 46.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0



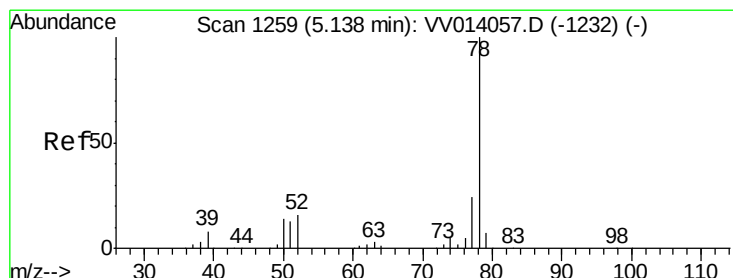
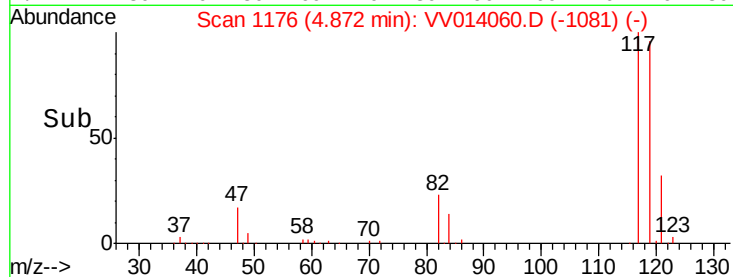
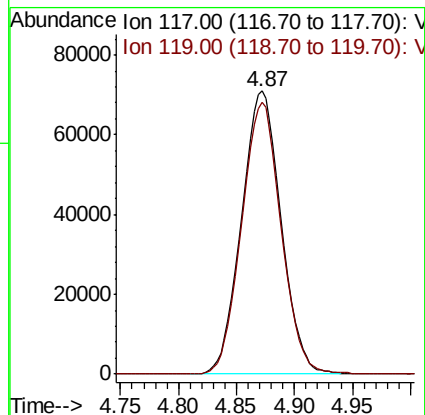
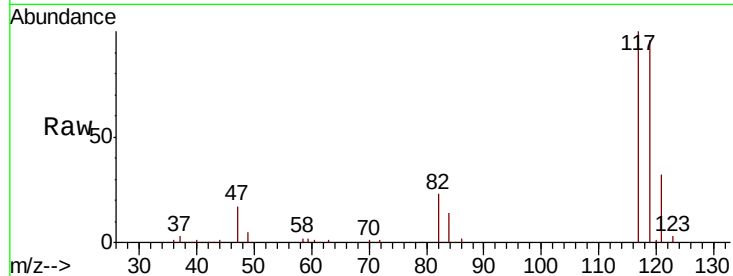


#31

Carbon tetrachloride
 Concen: 49.791 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Instrument :
 MSVOA_V
 ClientSampleId :

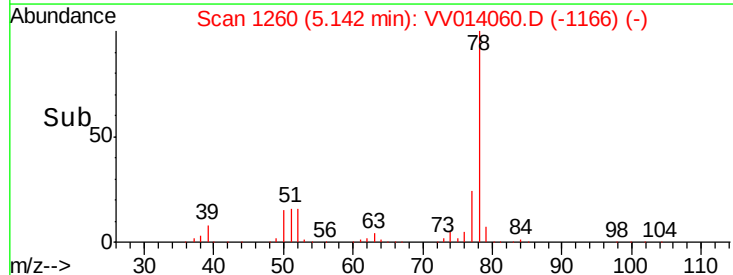
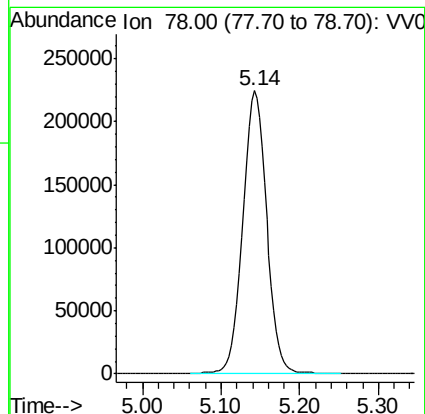
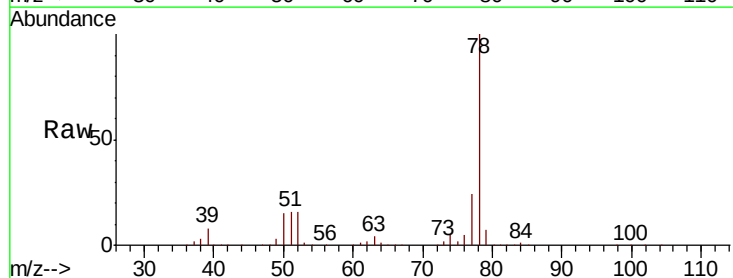
Tot Ion:117 Resp: 168334
 Ion Ratio Lower Upper
 117 100
 119 95.9 78.2 117.4

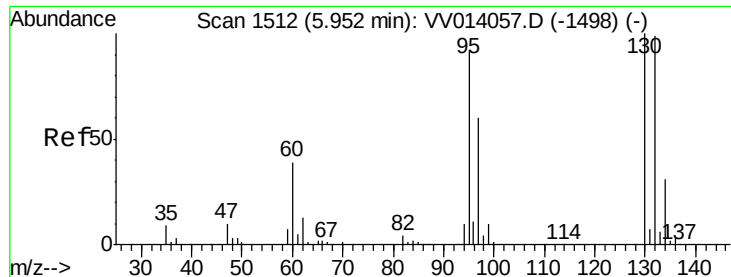


#33

Benzene
 Concen: 60.883 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Tgt Ion: 78 Resp: 480802

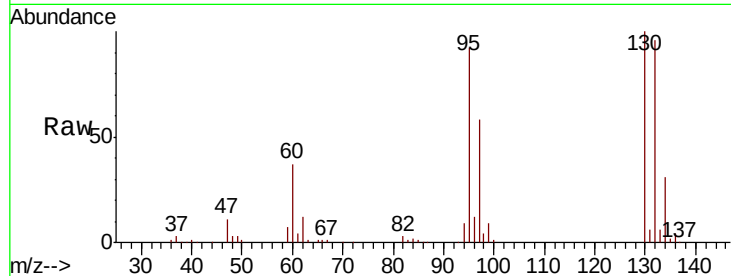




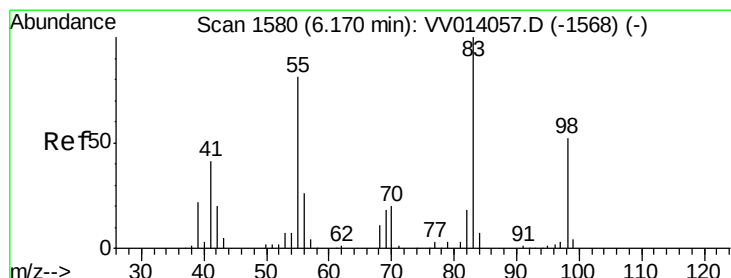
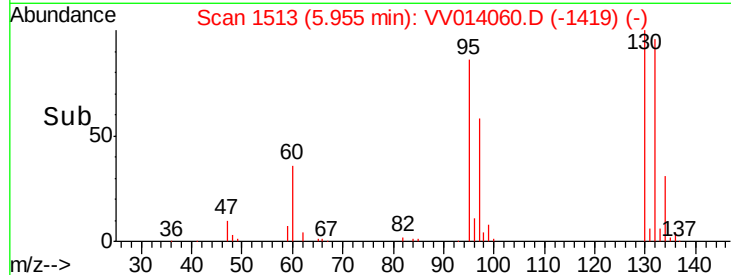
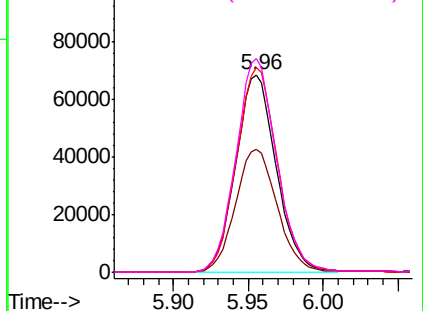
#34
 Trichloroethene
 Concen: 58.701 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 128848
 Ion Ratio Lower Upper
 95 100
 97 62.4 43.4 80.6
 132 103.7 73.1 135.8
 130 108.2 75.3 139.8

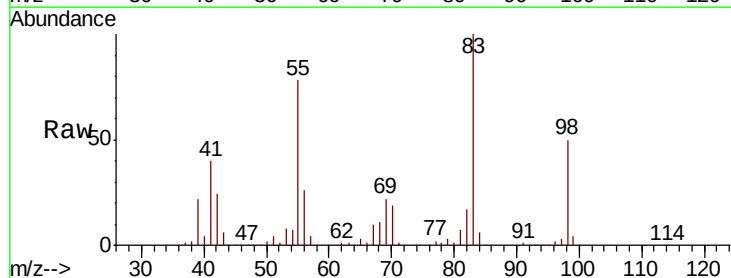


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

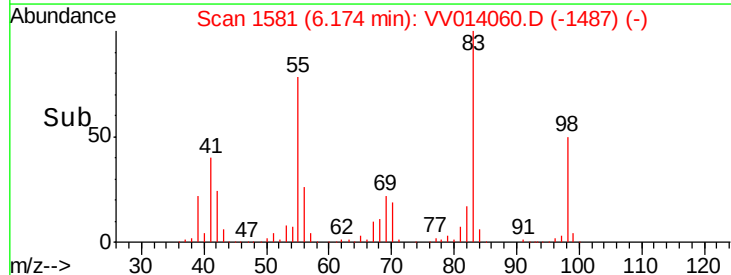
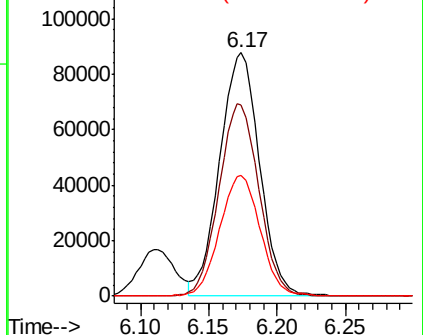


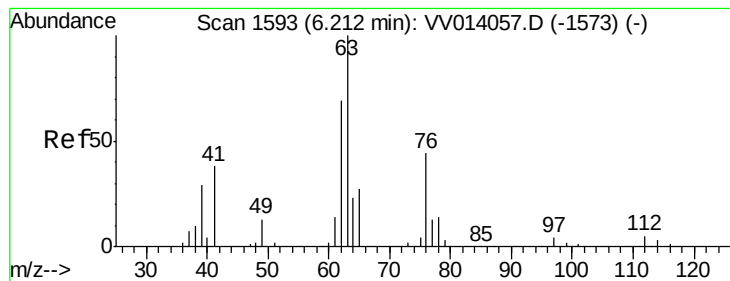
#35
 Methylcyclohexane
 Concen: 54.297 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Tgt Ion: 83 Resp: 177389
 Ion Ratio Lower Upper
 83 100
 55 79.1 55.5 83.3
 98 50.7 38.5 57.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 63.031 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

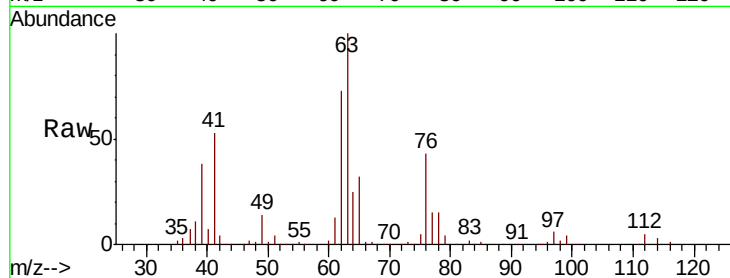
ClientSampleId :

Tot Ion: 63 Resp: 121411

Ion Ratio Lower Upper

63 100

112 5.3 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV014057.D (-1573) (-)

Ion 112.00 (111.70 to 112.70): VV014057.D (-1573) (-)

6.22

60000

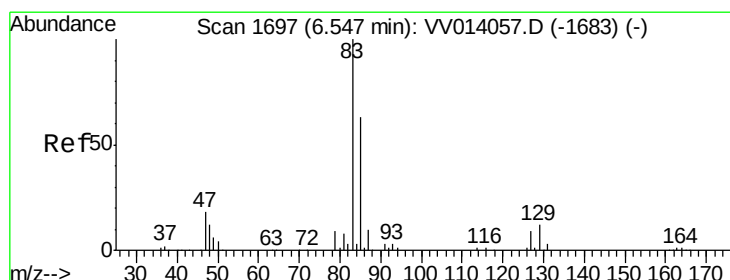
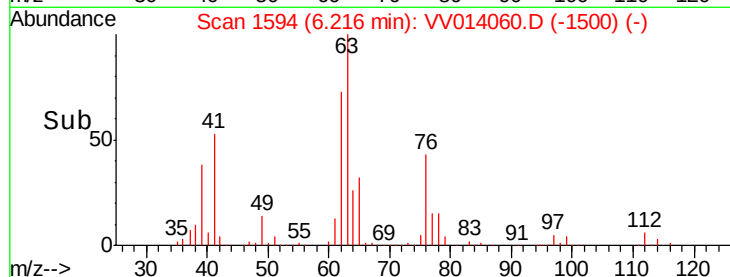
40000

20000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 53.927 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

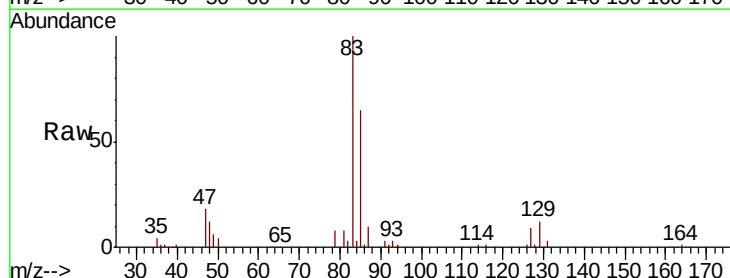
Tgt Ion: 83 Resp: 163412

Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6

127 9.4 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV014057.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV014057.D (-1683) (-)

Ion 127.00 (126.70 to 127.70): VV014057.D (-1683) (-)

6.55

120000

100000

80000

60000

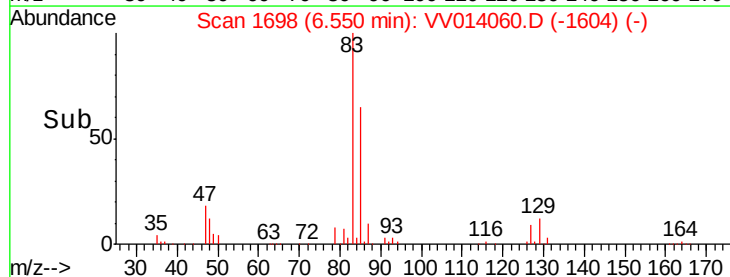
40000

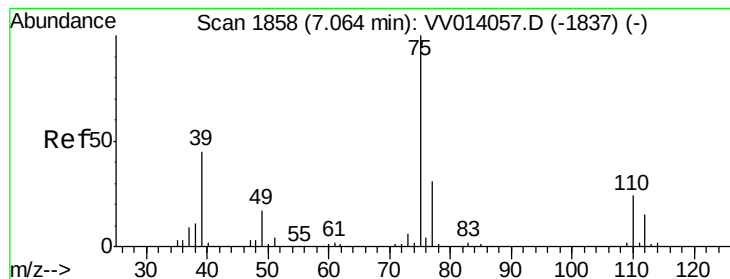
20000

0

6.50 6.55 6.60

Time-->



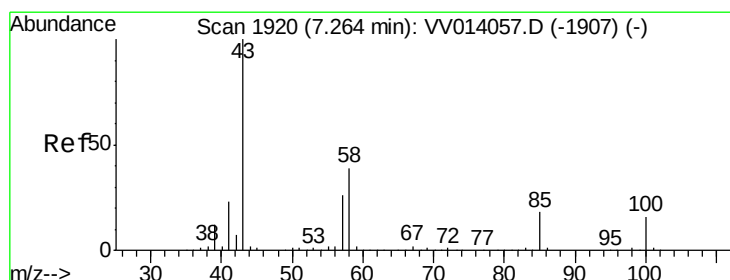
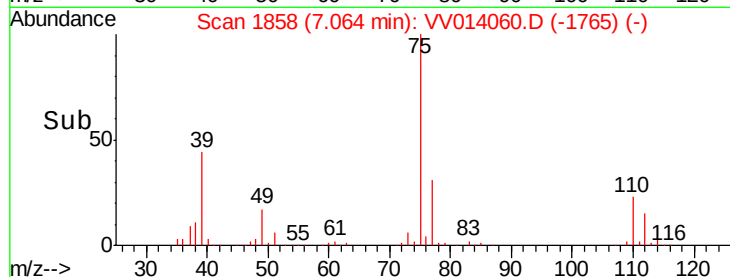
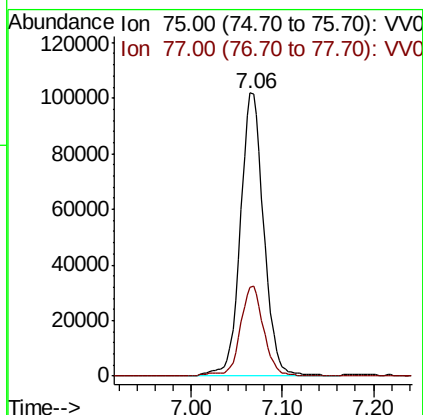
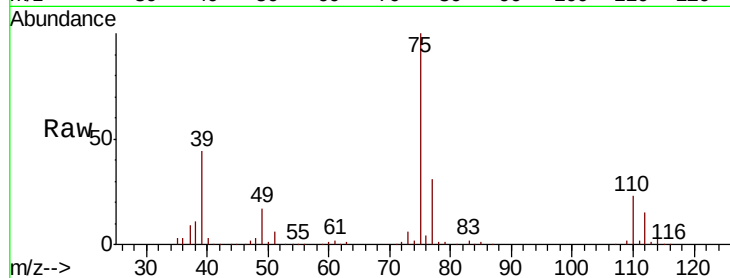


#39

cis-1,3-Dichloropropene
Concen: 53.745 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Instrument :
MSVOA_V
ClientSampleId :

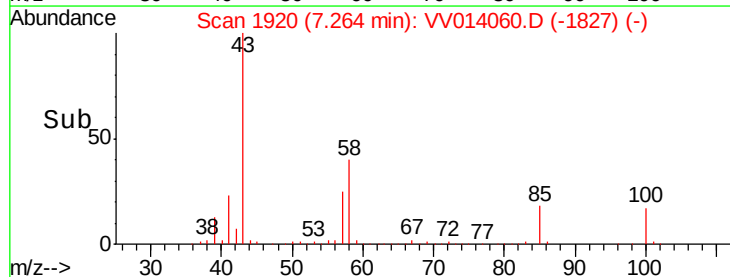
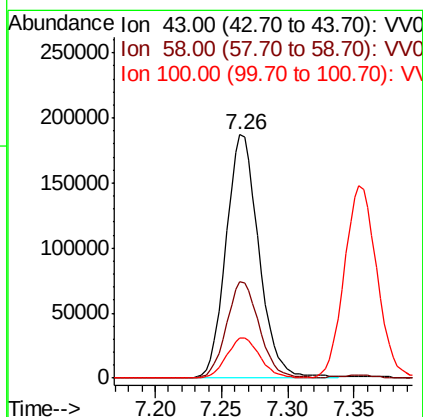
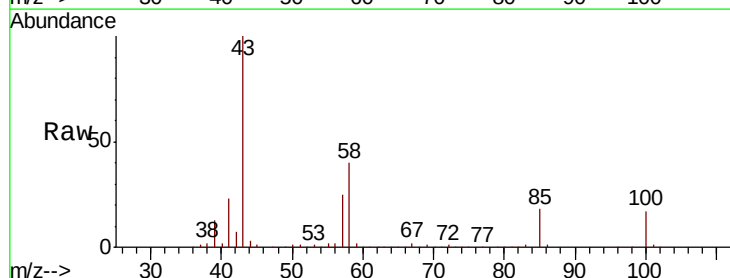
Tot Ion: 75 Resp: 182518
Ion Ratio Lower Upper
75 100
77 31.5 22.3 41.5

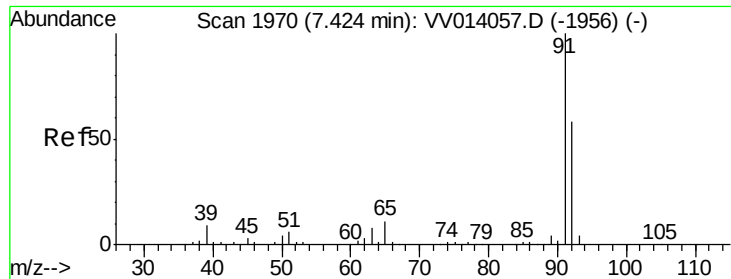


#40

4-Methyl-2-pentanone
Concen: 130.080 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion: 43 Resp: 322483
Ion Ratio Lower Upper
43 100
58 39.6 33.4 50.2
100 16.7 15.0 22.4





#42

Toluene

Concen: 56.304 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

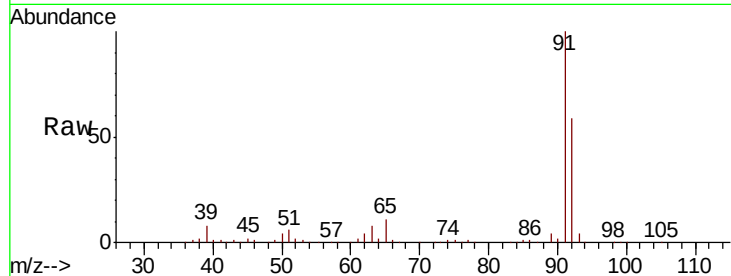
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 494062

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014057.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV014057.D (-1956) (-)

7.43

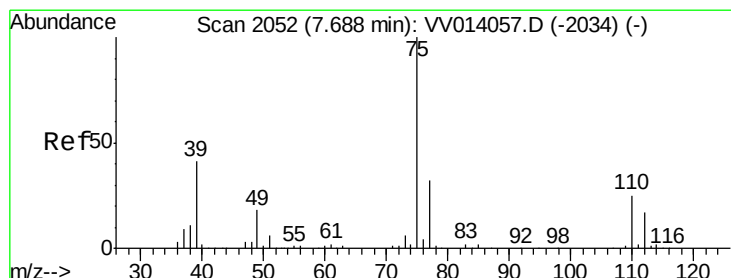
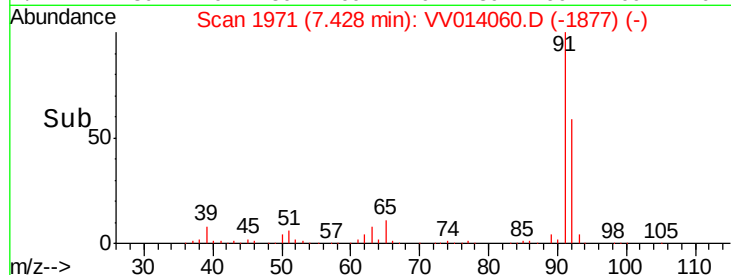
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.581 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014060.D

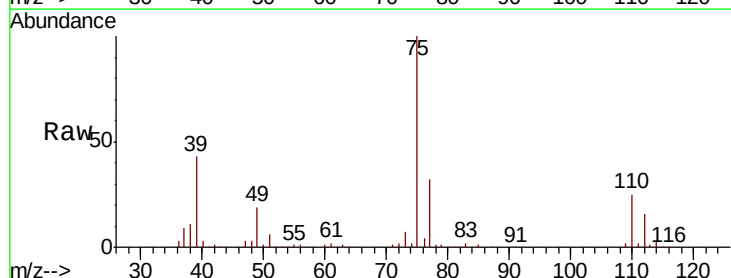
Acq: 13 Dec 2019 18:38

Tgt Ion: 75 Resp: 158943

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV014057.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV014057.D (-2034) (-)

7.69

100000

80000

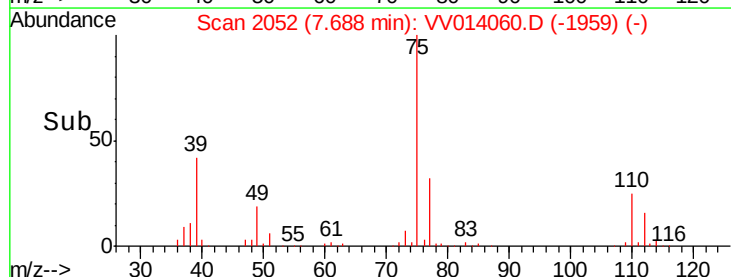
60000

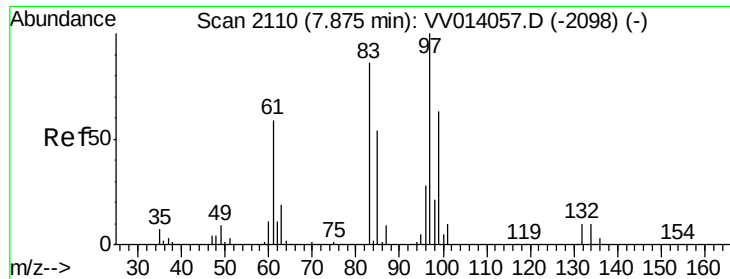
40000

20000

0

Time-->

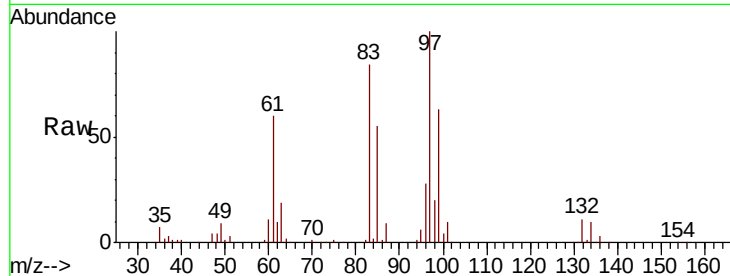




#45
1,1,2-Trichloroethane
Concen: 56.498 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	117311
Ion	Ratio	Lower	Upper
97	100		
99	63.0	47.2	87.6
83	83.9	58.0	107.6
85	54.9	38.0	70.6



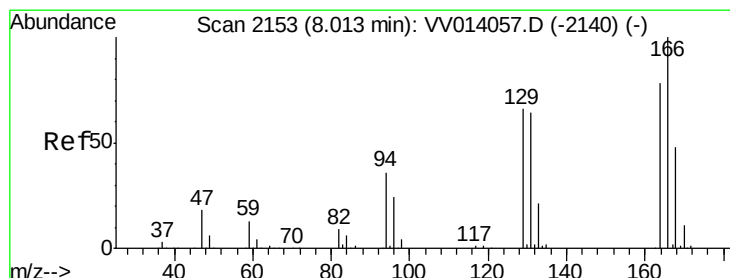
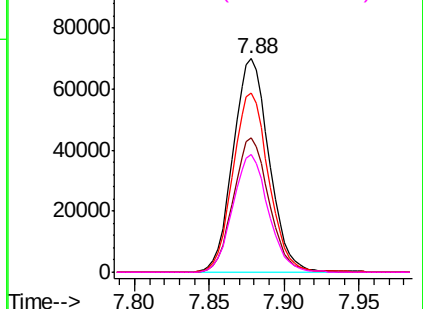
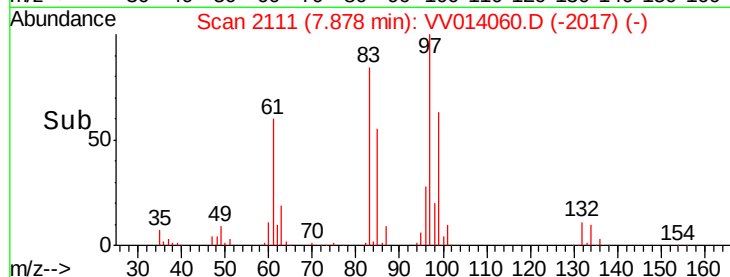
Abundance

Ion 97.00 (96.70 to 97.70): VV014060.D (-2017) (-)

Ion 99.00 (98.70 to 99.70): VV014060.D (-2017) (-)

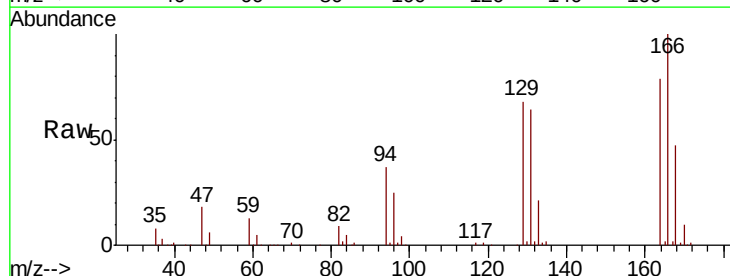
Ion 83.00 (82.70 to 83.70): VV014060.D (-2017) (-)

Ion 85.00 (84.70 to 85.70): VV014060.D (-2017) (-)



#46
Tetrachloroethene
Concen: 51.486 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion:	164	Resp:	105295
Ion	Ratio	Lower	Upper
164	100		
129	86.2	64.3	119.5
131	81.9	60.1	111.7
166	127.0	91.8	170.6



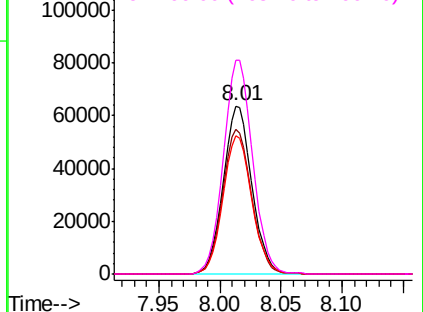
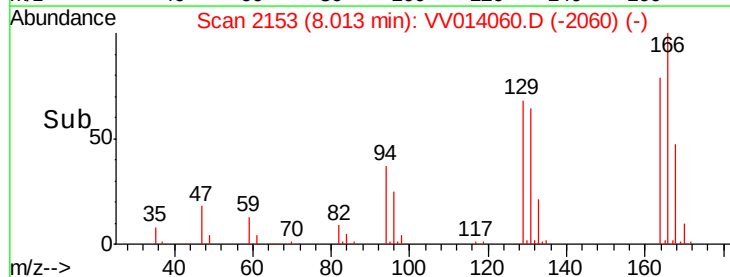
Abundance

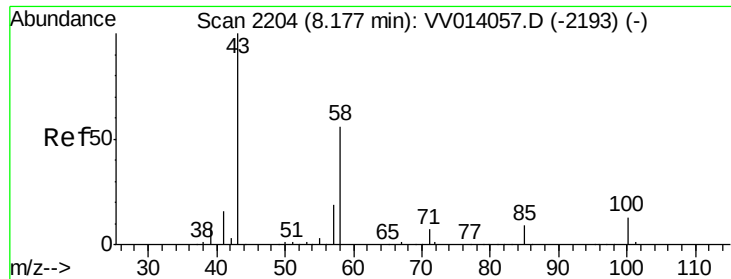
Ion 164.00 (163.70 to 164.70): VV014060.D (-2060) (-)

Ion 129.00 (128.70 to 129.70): VV014060.D (-2060) (-)

Ion 131.00 (130.70 to 131.70): VV014060.D (-2060) (-)

Ion 166.00 (165.70 to 166.70): VV014060.D (-2060) (-)

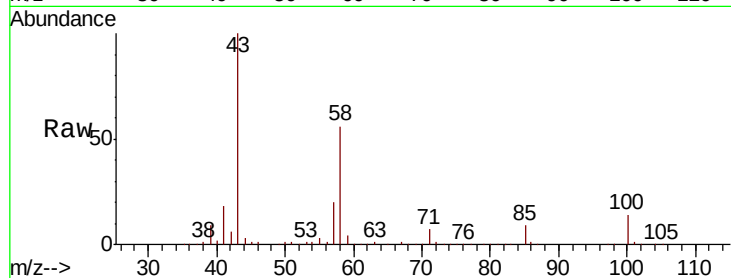




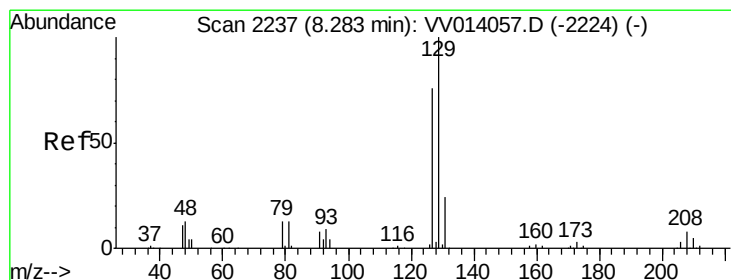
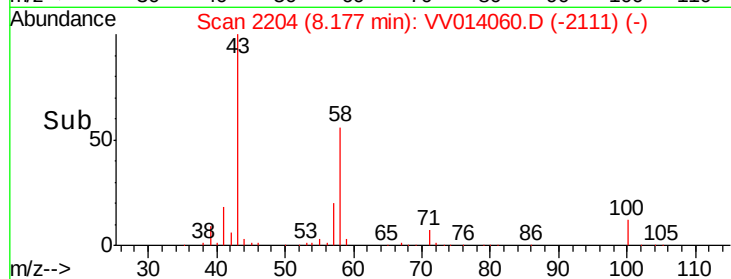
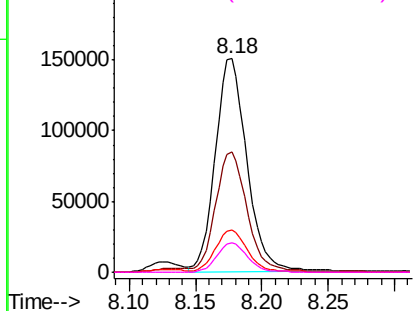
#48
2-Hexanone
Concen: 132.839 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 248280
Ion Ratio Lower Upper
43 100
58 55.7 45.6 68.4
57 19.9 17.0 25.6
100 13.4 11.5 17.3

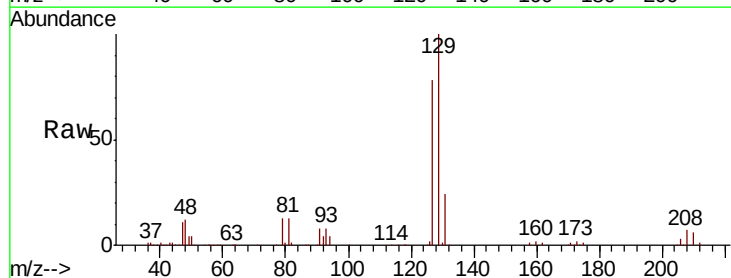


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

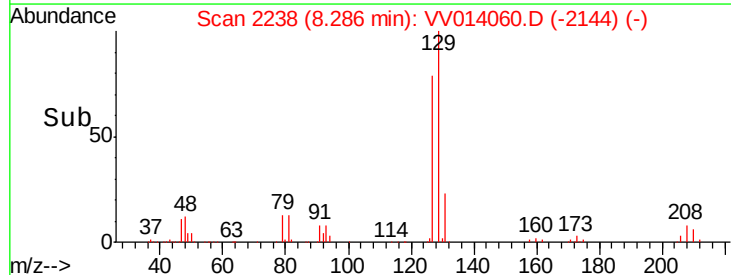
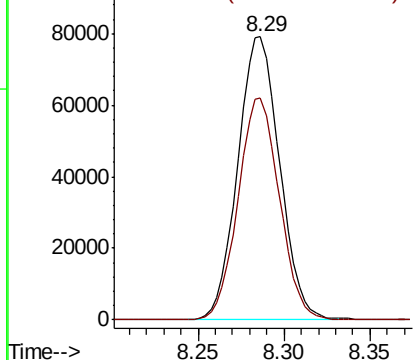


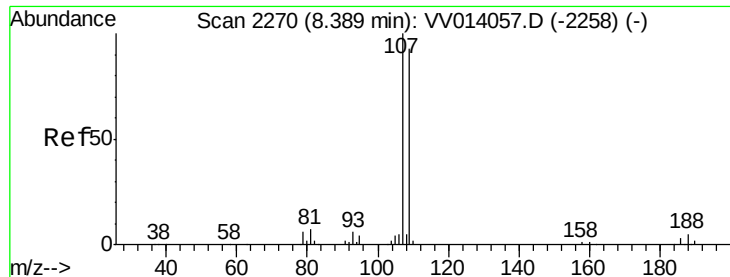
#49
Dibromochloromethane
Concen: 49.683 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion: 129 Resp: 133868
Ion Ratio Lower Upper
129 100
127 78.2 53.8 100.0



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

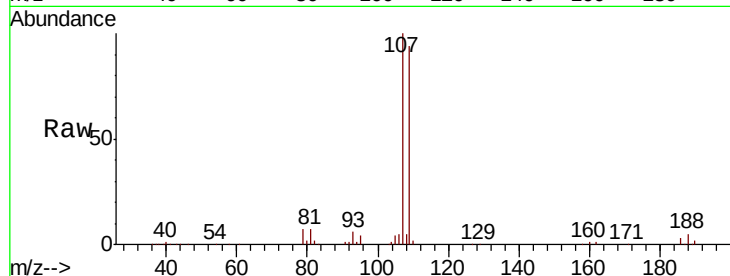




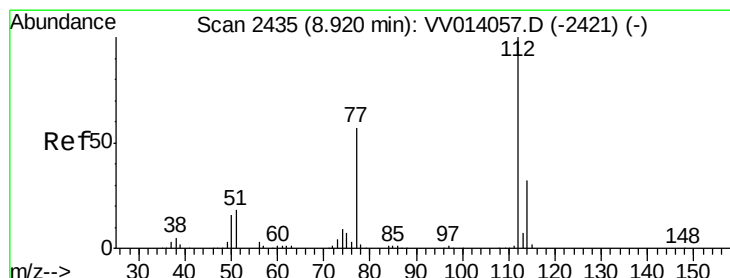
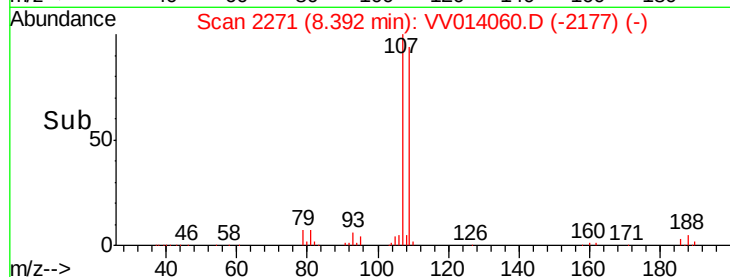
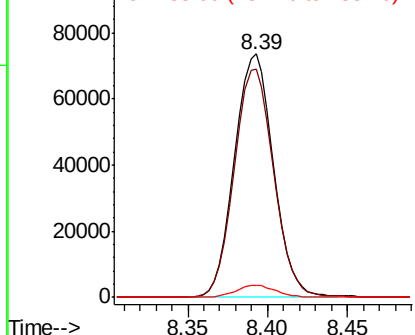
#50
1,2-Dibromoethane
Concen: 53.317 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	67.0	124.4
188	5.2	3.9	5.9

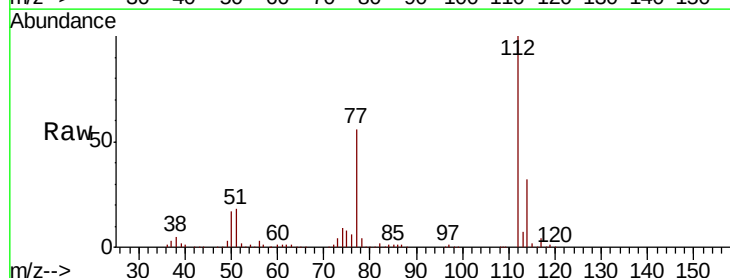


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

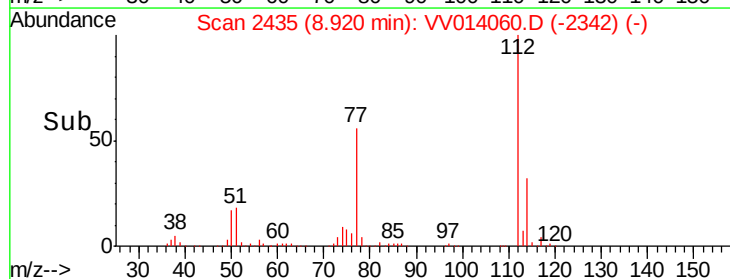
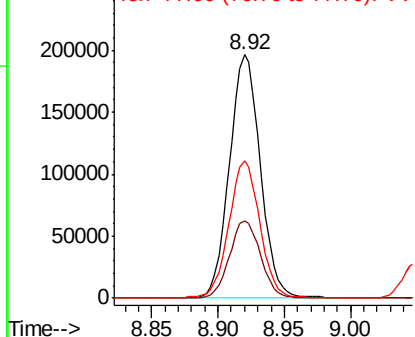


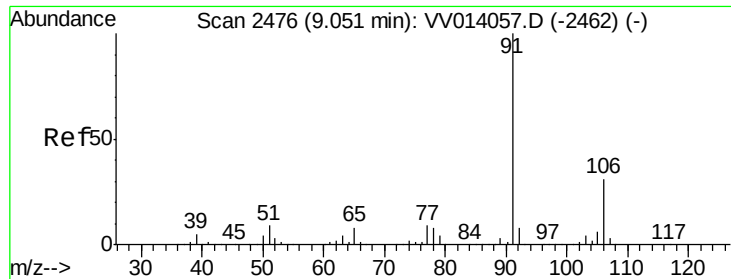
#51
Chlorobenzene
Concen: 53.743 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014060.D
Acq: 13 Dec 2019 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.8	42.4
77	56.2	44.7	67.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 53.074 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

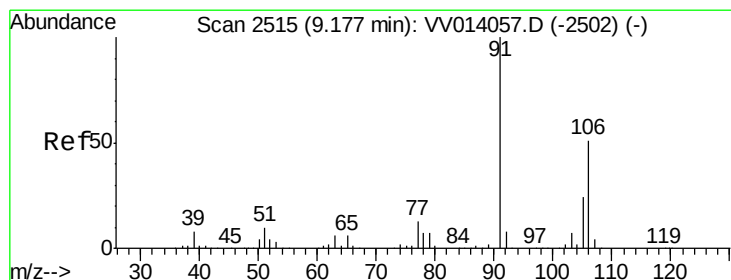
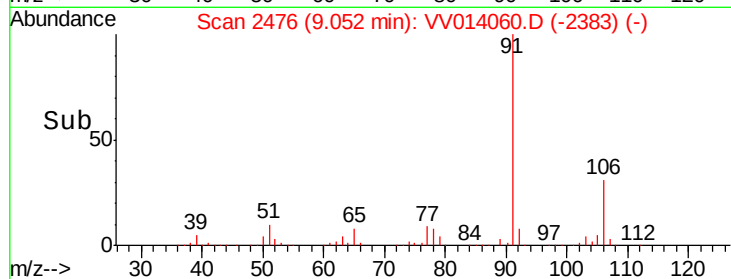
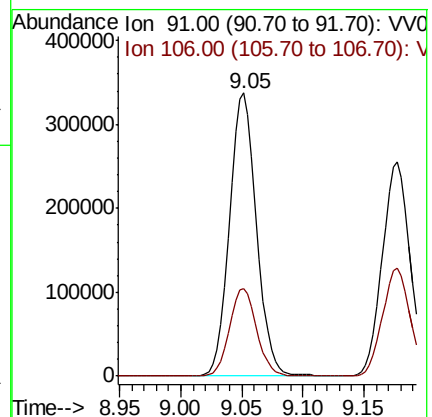
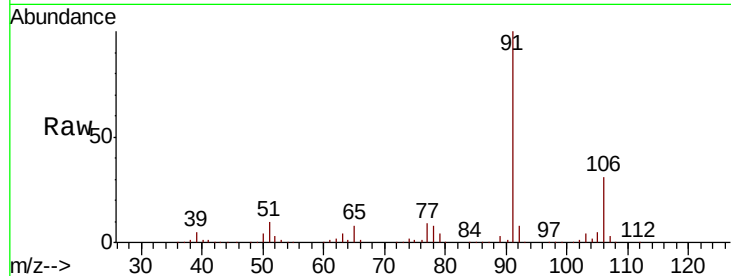
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 522554

Ion Ratio Lower Upper

91 100

106 31.1 22.3 41.5



#53

m,p-Xylene

Concen: 53.509 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014060.D

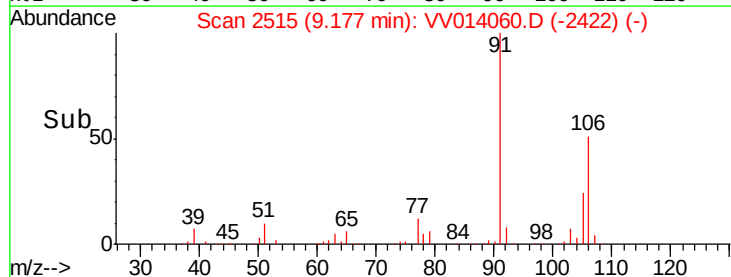
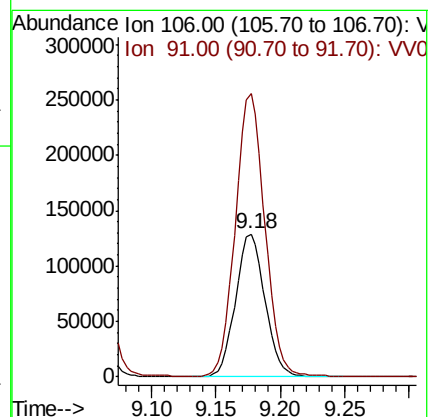
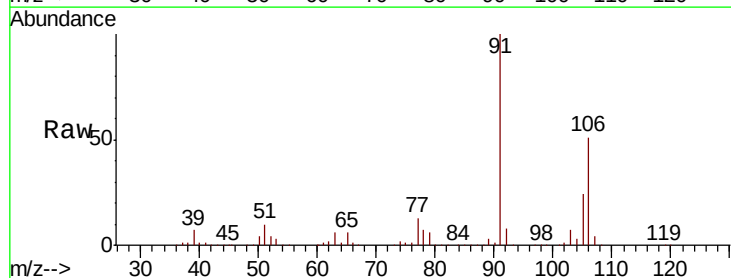
Acq: 13 Dec 2019 18:38

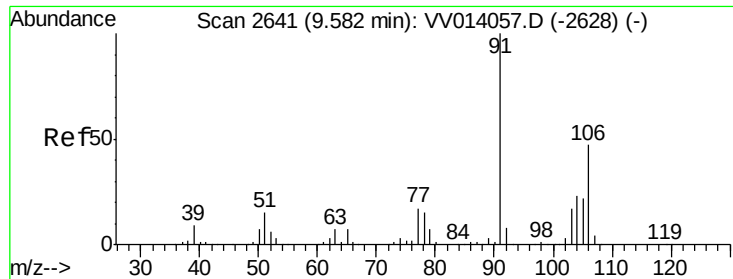
Tgt Ion: 106 Resp: 203237

Ion Ratio Lower Upper

106 100

91 197.8 146.7 272.5





#54

o-Xylene

Concen: 53.163 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

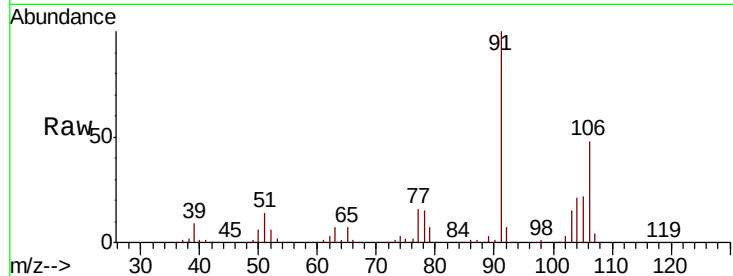
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 200371

Ion Ratio Lower Upper

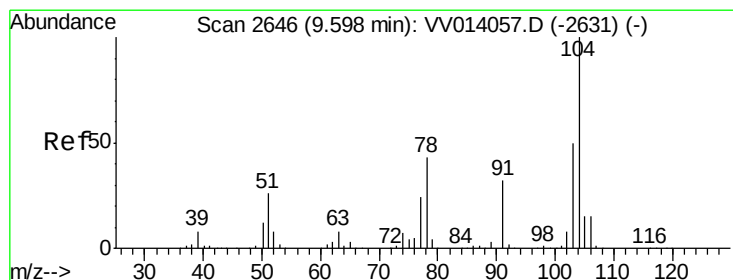
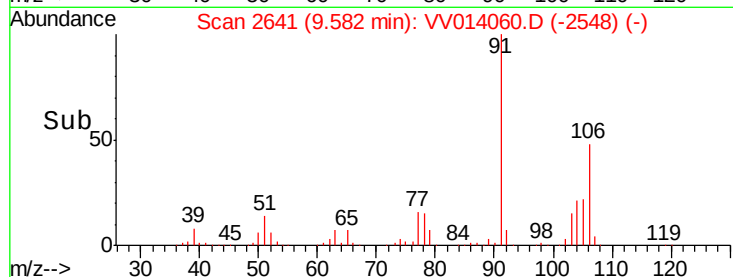
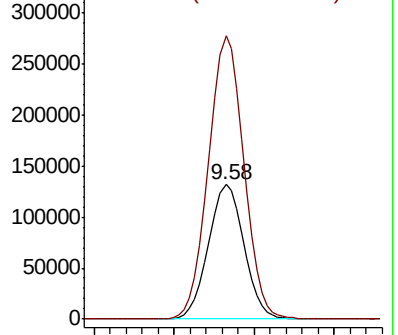
106 100

91 209.9 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.759 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014060.D

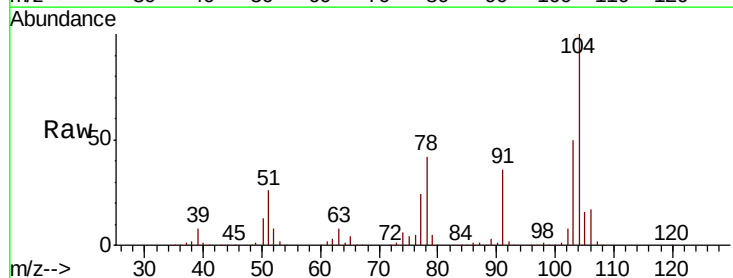
Acq: 13 Dec 2019 18:38

Tgt Ion:104 Resp: 347675

Ion Ratio Lower Upper

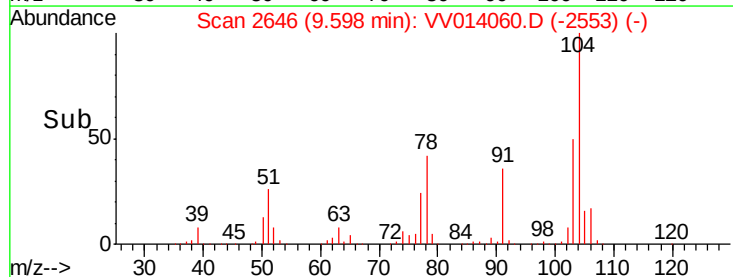
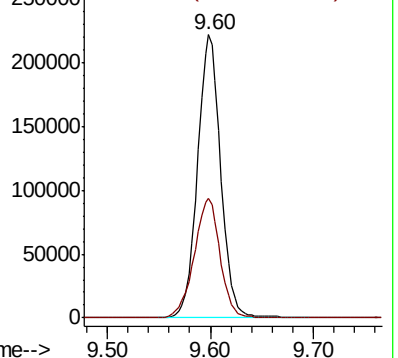
104 100

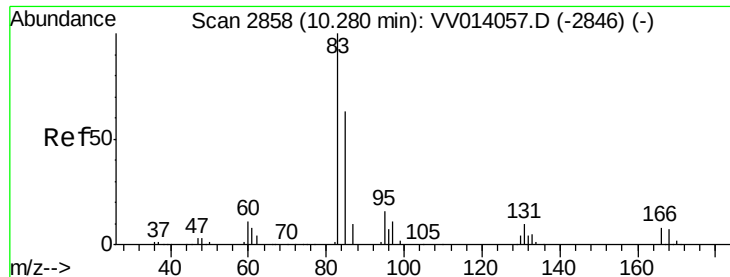
78 42.2 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

1,1,2,2-Tetrachloroethane

Concen: 51.919 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

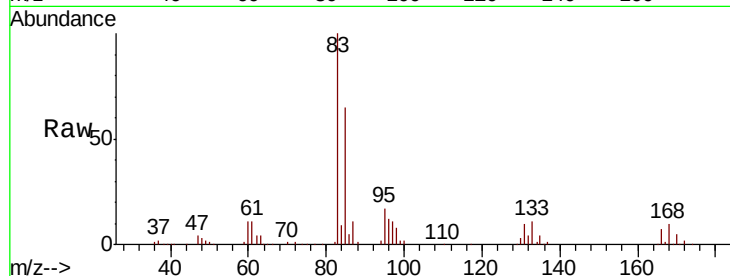
Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 83 Resp: 165779

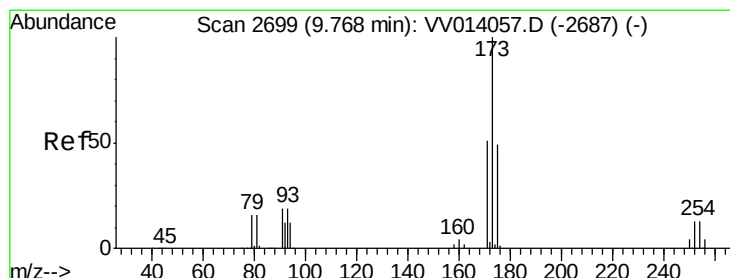
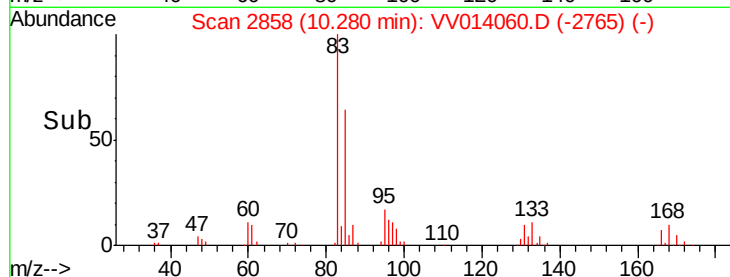
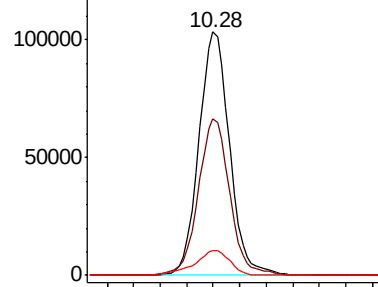
Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.6	82.8
131	10.3	9.3	13.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 48.090 ug/L

RT: 9.77 min Scan# 2700

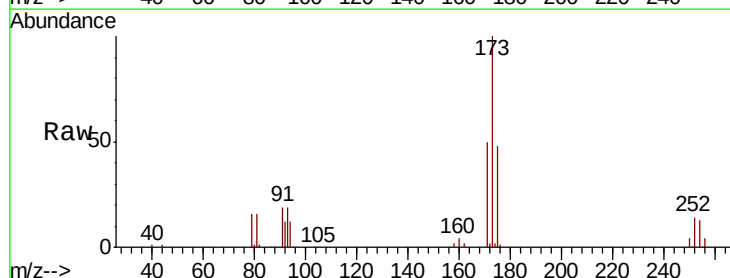
Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Tgt Ion:173 Resp: 102372

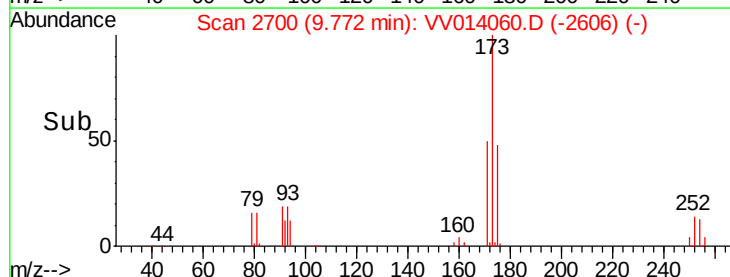
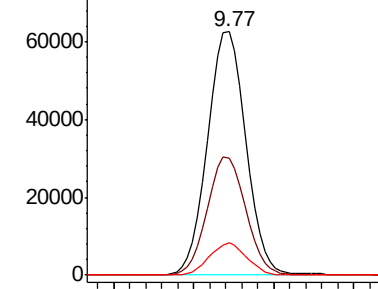
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.3	57.5
254	12.7	8.9	13.3

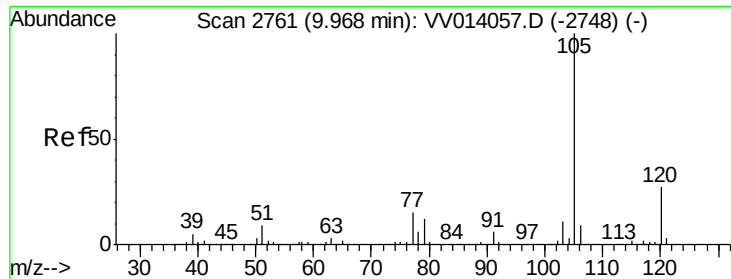


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 52.166 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

ClientSampleId :

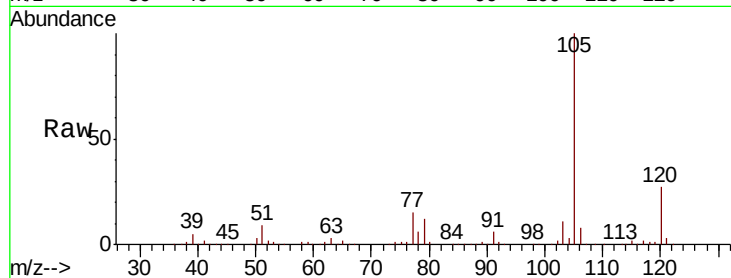
Tot Ion:105 Resp: 518256

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

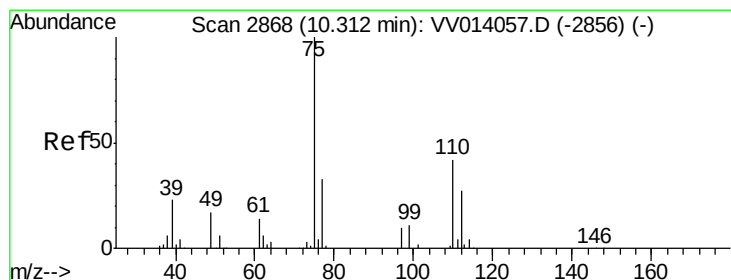
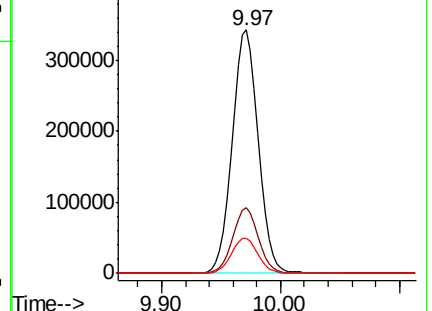
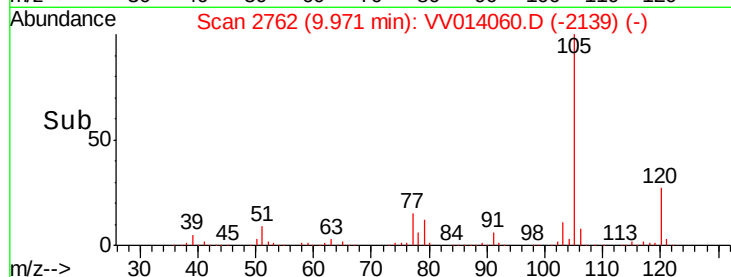
77 14.8 11.6 17.4



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



#61

1,2,3-Trichloropropane

Concen: 60.369 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

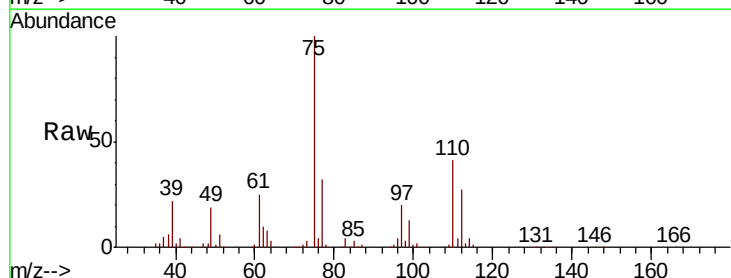
Tgt Ion: 75 Resp: 148769

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

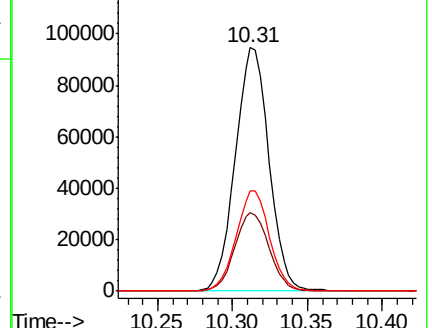
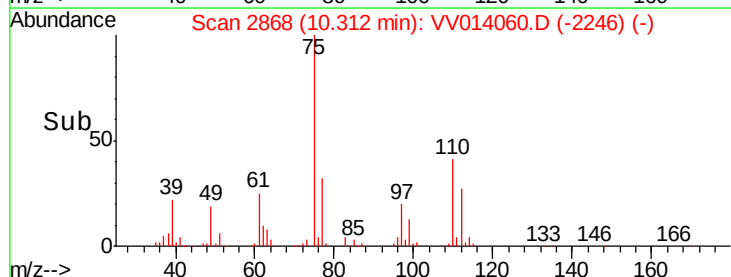
110 40.8 34.2 51.4

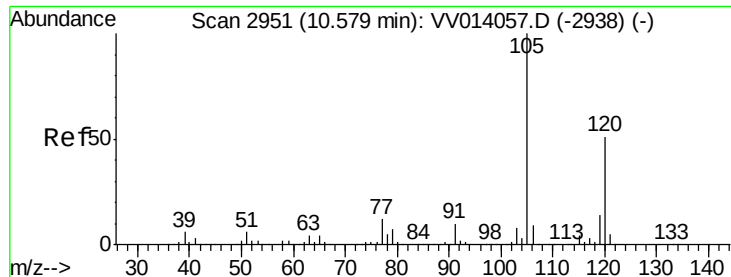


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 48.831 ug/L

RT: 10.58 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

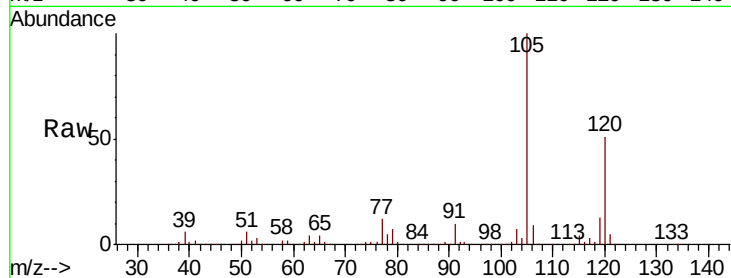
ClientSampleId :

Tot Ion:105 Resp: 419383

Ion Ratio Lower Upper

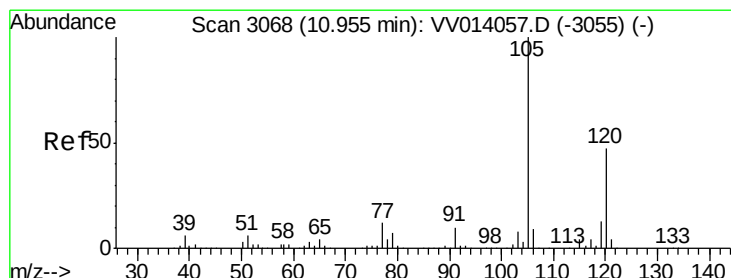
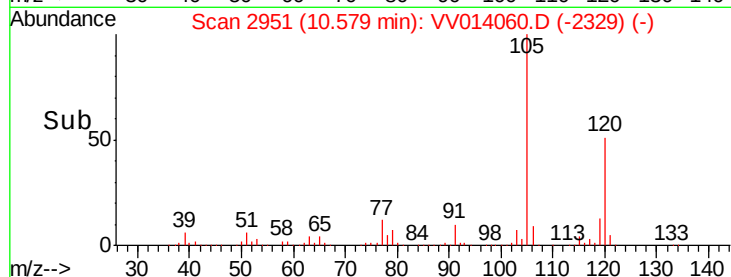
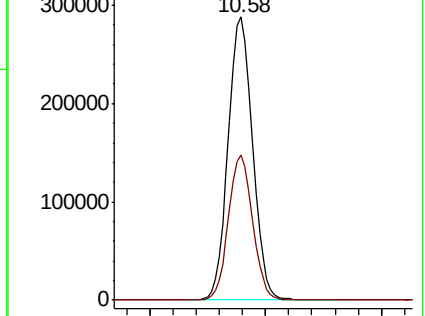
105 100

120 50.7 39.2 58.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 49.588 ug/L

RT: 10.96 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV014060.D

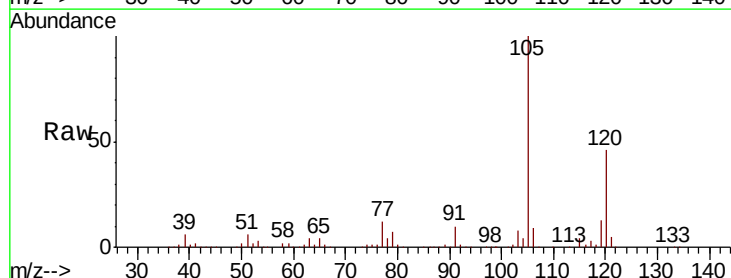
Acq: 13 Dec 2019 18:38

Tgt Ion:105 Resp: 420343

Ion Ratio Lower Upper

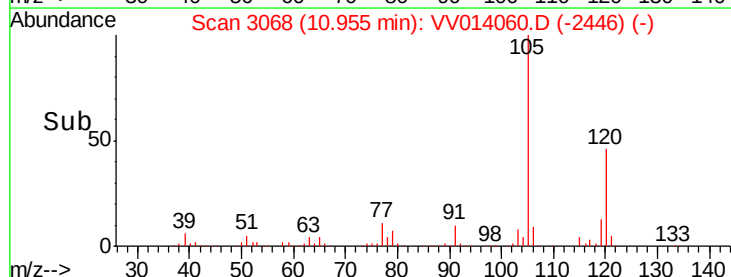
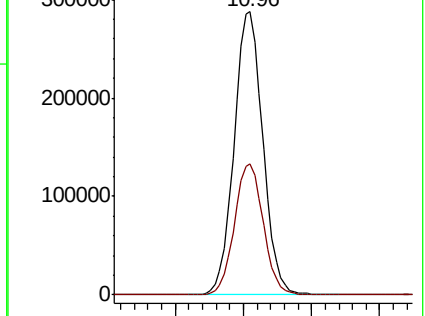
105 100

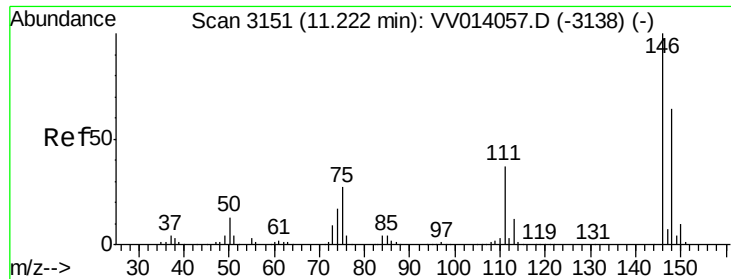
120 46.5 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

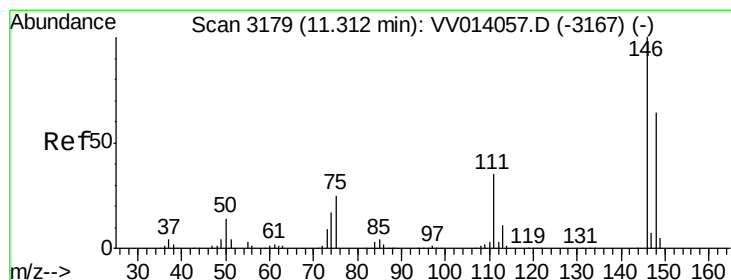
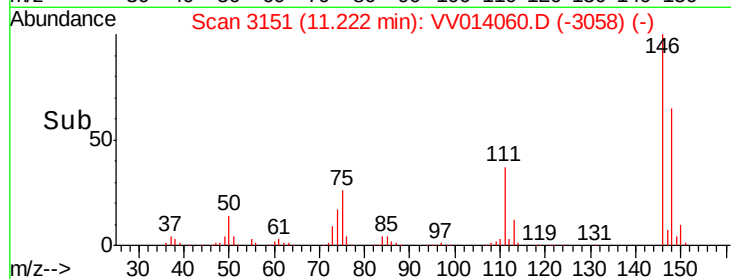
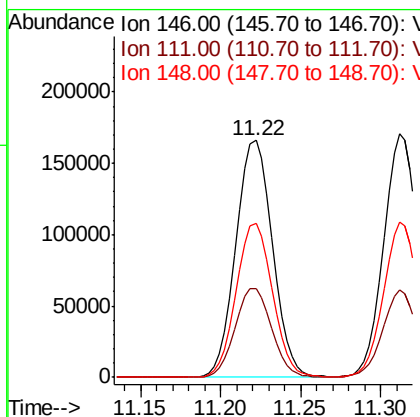
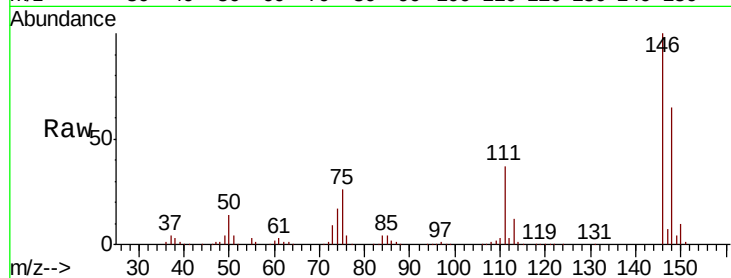




#64
 1,3-Dichlorobenzene
 Concen: 51.724 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

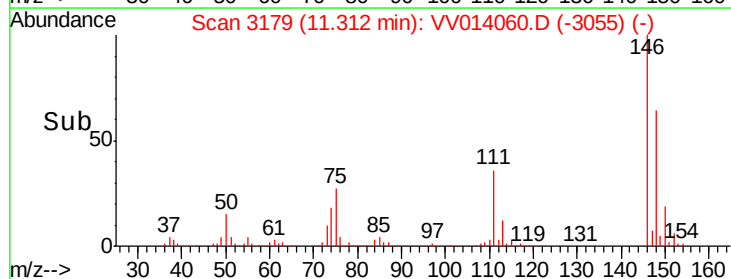
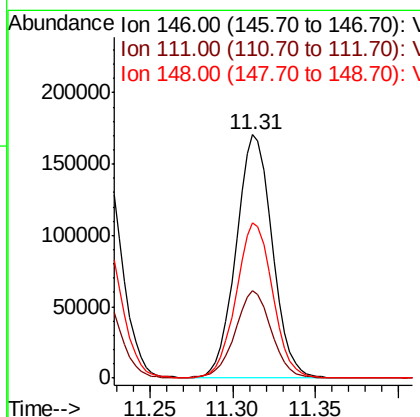
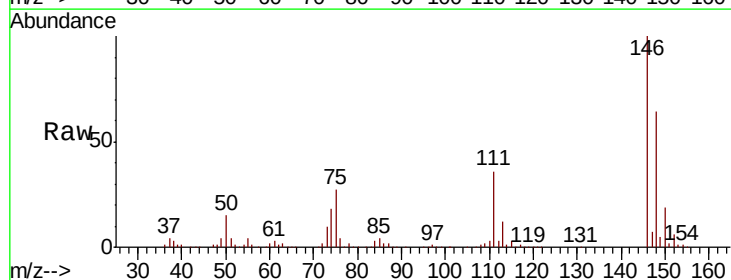
Instrument :
 MSVOA_V
 ClientSampled :

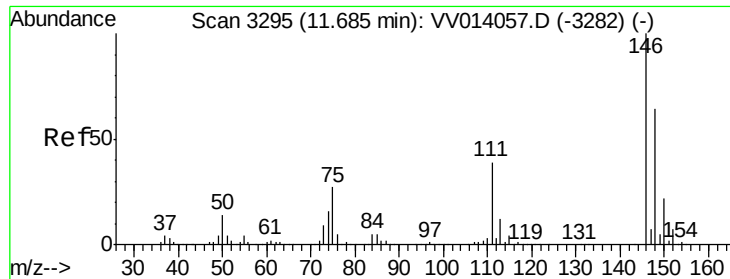
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	26.8	49.8
148	65.2	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 50.843 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	25.8	47.8
148	63.7	45.2	84.0

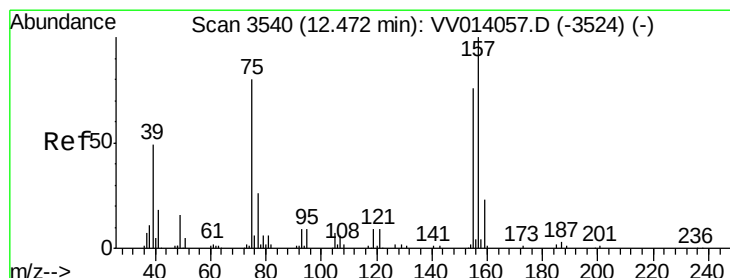
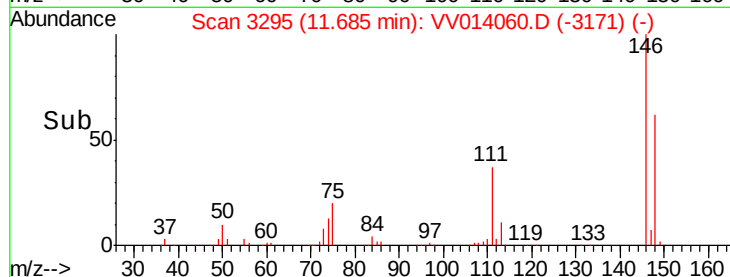
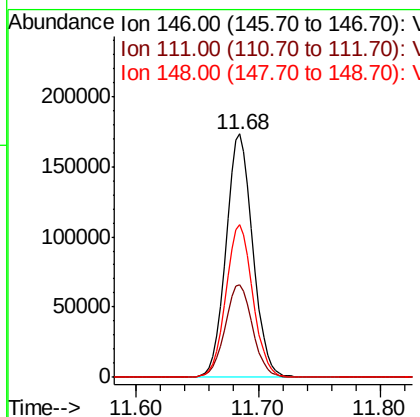
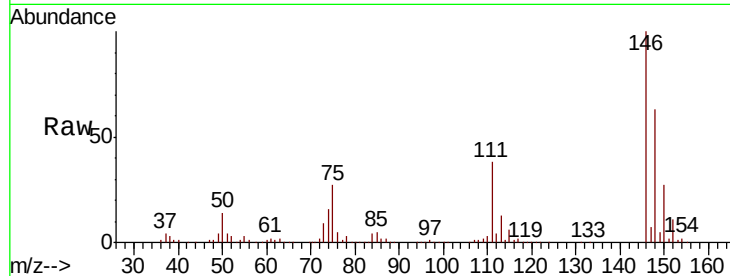




#67
 1,2-Dichlorobenzene
 Concen: 52.106 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

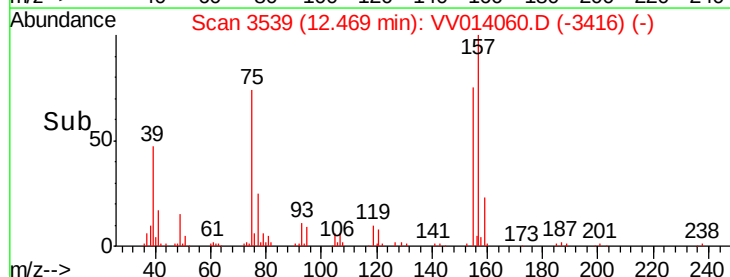
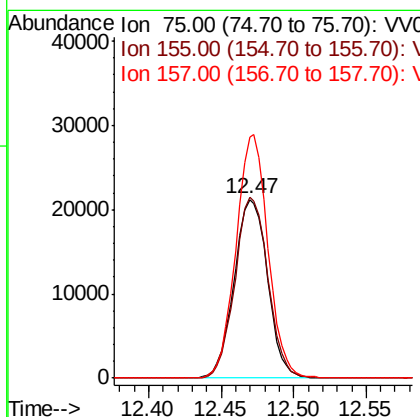
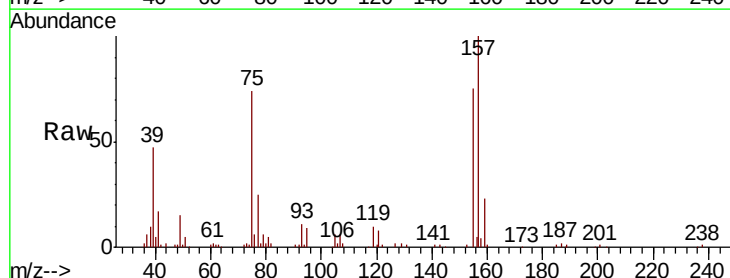
Instrument :
 MSVOA_V
 ClientSampleId :

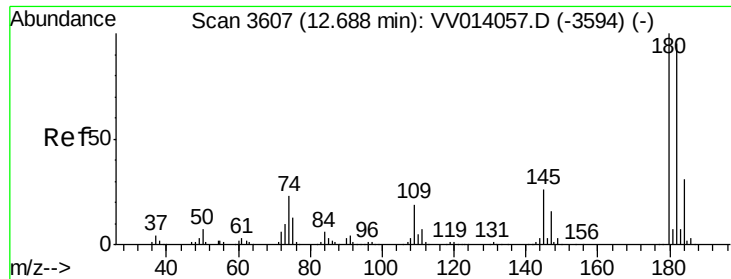
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	32.2	48.2
148	62.6	53.2	79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 41.854 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	81.2	121.8
157	135.5	102.3	153.5

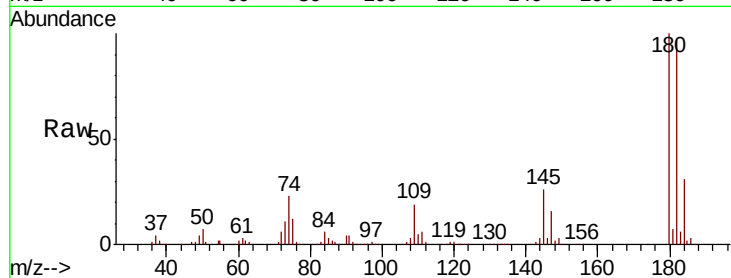




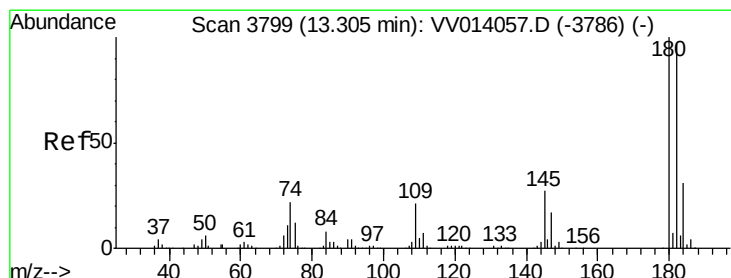
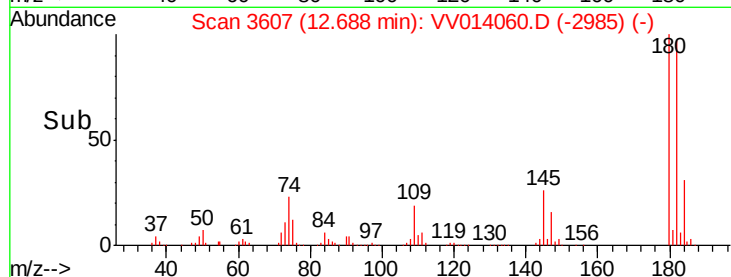
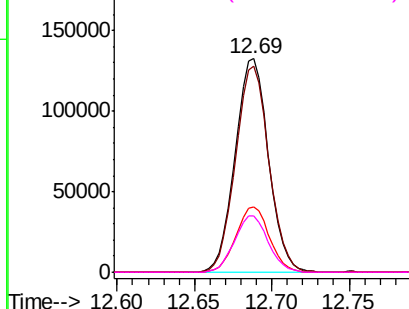
#69
 1,3,5-Trichlorobenzene
 Concen: 48.848 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	198491
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.5 114.7
184	30.6	24.6 36.8
145	26.7	22.5 33.7

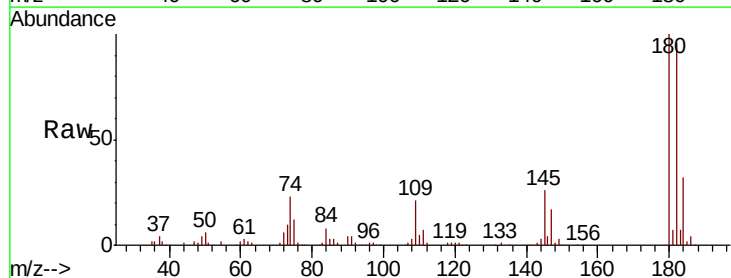


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

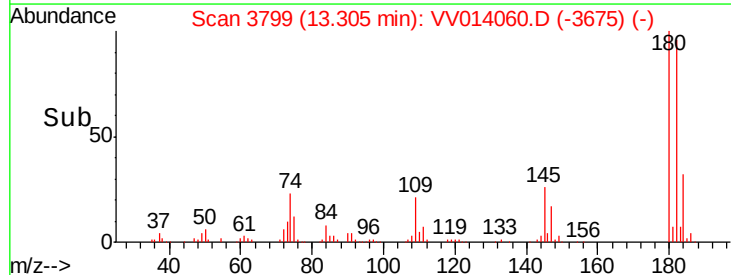
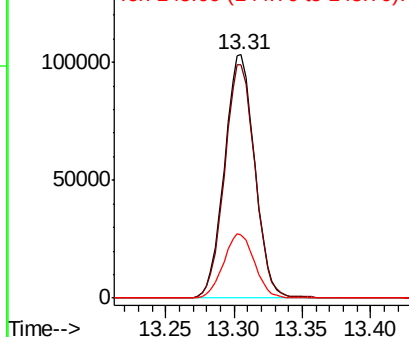


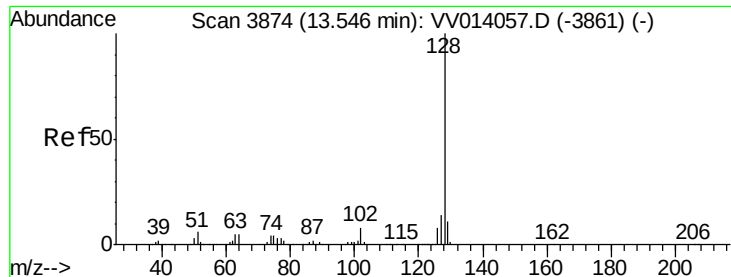
#70
 1,2,4-trichlorobenzene
 Concen: 45.253 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014060.D
 Acq: 13 Dec 2019 18:38

Tgt Ion:180	Resp:	159437
Ion Ratio	Lower	Upper
180	100	
182	96.6	76.5 114.7
145	26.9	23.3 34.9



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





#71

Naphthalene

Concen: 43.025 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

Instrument :

MSVOA_V

ClientSampleId :

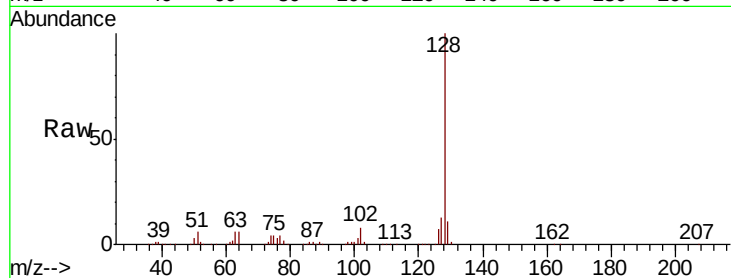
Tot Ion:128 Resp: 384198

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

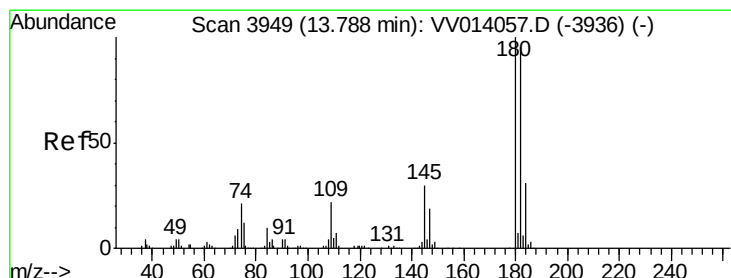
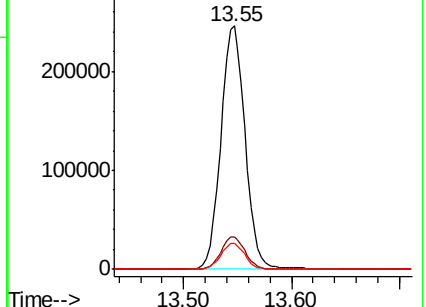
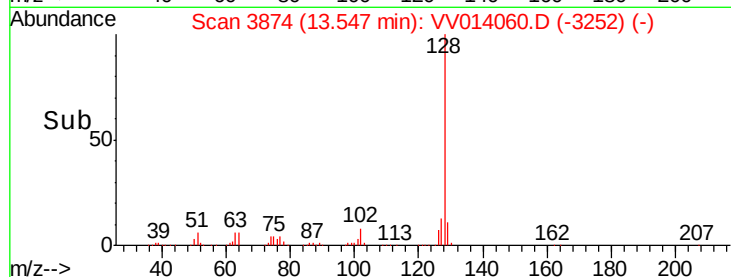
129 10.7 8.6 12.8



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



#72

1,2,3-Trichlorobenzene

Concen: 49.738 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014060.D

Acq: 13 Dec 2019 18:38

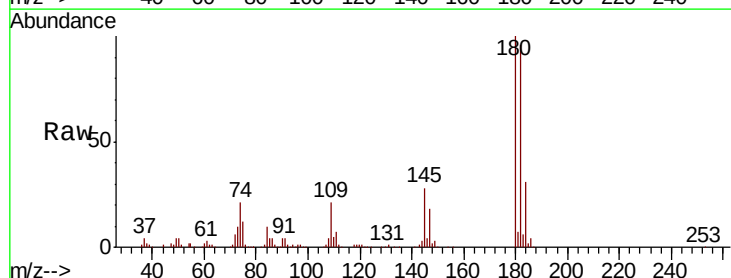
Tgt Ion:180 Resp: 176348

Ion Ratio Lower Upper

180 100

182 96.1 77.2 115.8

145 28.2 24.6 36.8



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

