

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013685.D
 Acq On : 20 Nov 2019 10:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 16:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	377887	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	358875	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	188688	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90694	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.58	69	88481	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	2.13	63	179302	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	3.96	46	279411	51.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.52%
24) Chloroform-d	4.39	84	234874	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.07	65	114846	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.09	84	432131	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.11	67	138332	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.35	98	402115	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.66	79	50028	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.13	63	210644	48.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.86%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	101426	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	158994	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	169359	4.874 ug/L	100
3) Chloromethane	1.25	50	160355	4.796 ug/L	99
5) Vinyl chloride	1.32	62	153315	4.814 ug/L	99
6) Bromomethane	1.53	94	92620	4.772 ug/L	97
8) Chloroethane	1.60	64	90457	5.060 ug/L	98
9) Trichlorofluoromethane	1.77	101	208900	4.934 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	120686	5.190 ug/L	97
12) 1,1-Dichloroethene	2.13	96	115442	5.113 ug/L	99
13) Acetone	2.23	43	168512	49.477 ug/L #	32
14) Carbon disulfide	2.31	76	358435	4.602 ug/L	100
15) Methyl Acetate	2.47	43	42568	4.413 ug/L	99
16) Methylene chloride	2.53	84	133618	4.259 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	278699	4.833 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	134889	4.845 ug/L	92
19) 1,1-Dichloroethane	3.22	63	242570	4.879 ug/L	98
21) 2-Butanone	4.04	43	294594	51.579 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	139711	4.835 ug/L	97

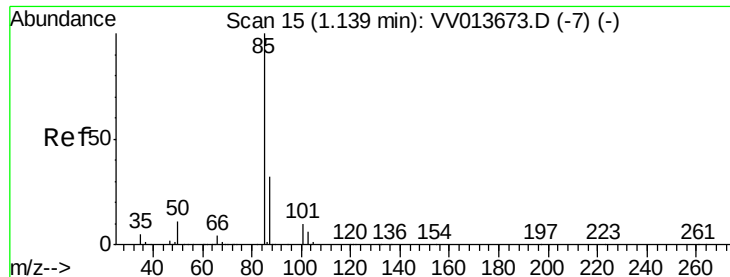
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112019\
 Data File : VV013685.D
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Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 21 00:50:27 2019
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 16:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	62584	4.698	ug/L	98
25) Chloroform	4.42	83	269877	4.008	ug/L	97
27) 1,2-Dichloroethane	5.17	62	143067	4.782	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	215443	4.967	ug/L	99
30) Cyclohexane	4.72	56	212296	4.919	ug/L	99
31) Carbon tetrachloride	4.87	117	192660	4.916	ug/L	97
33) Benzene	5.14	78	546166	5.028	ug/L	100
34) Trichloroethene	5.95	95	140876	4.845	ug/L	98
35) Methylcyclohexane	6.17	83	216548	4.883	ug/L	99
37) 1,2-Dichloropropane	6.21	63	129132	4.964	ug/L	100
38) Bromodichloromethane	6.55	83	171230	4.720	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	183504	4.909	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	741037	48.969	ug/L	99
42) Toluene	7.42	91	593037	5.110	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	148175	5.029	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	93231	4.970	ug/L	99
47) Tetrachloroethene	8.01	164	134683	4.999	ug/L	98
48) 2-Hexanone	8.18	43	527870	49.183	ug/L	97
49) Dibromochloromethane	8.28	129	115118	4.834	ug/L	99
50) 1,2-Dibromoethane	8.39	107	84669	4.699	ug/L	98
51) Chlorobenzene	8.92	112	369561	4.802	ug/L	99
52) Ethylbenzene	9.05	91	612133	4.948	ug/L	98
53) m,p-xylene	9.18	106	242726	5.203	ug/L	99
54) o-xylene	9.58	106	227109	5.061	ug/L	98
55) Styrene	9.60	104	391406	5.157	ug/L	97
56) Isopropylbenzene	9.97	105	610770	5.119	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	100285	4.819	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	76642	4.767	ug/L	99
61) Bromoform	9.77	173	69723	4.936	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	310078	4.903	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	301157	4.690	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	279183	4.739	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	15164	4.311	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	244707	4.662	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	182828	4.240	ug/L	99
69) Naphthalene	13.55	128	238170	4.044	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	175419	4.453	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.874 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

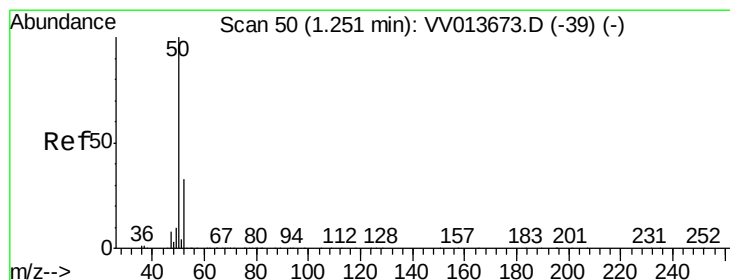
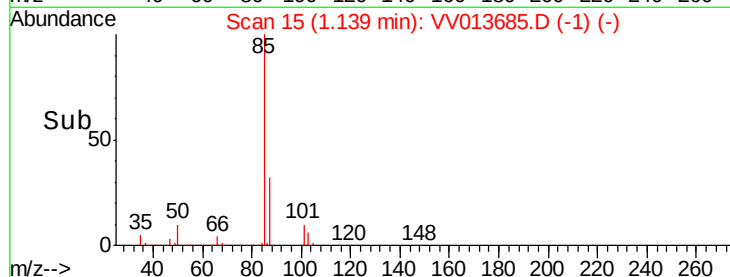
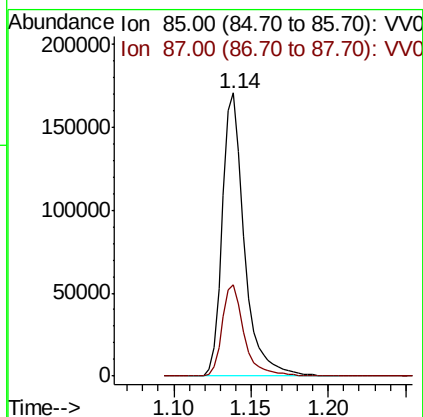
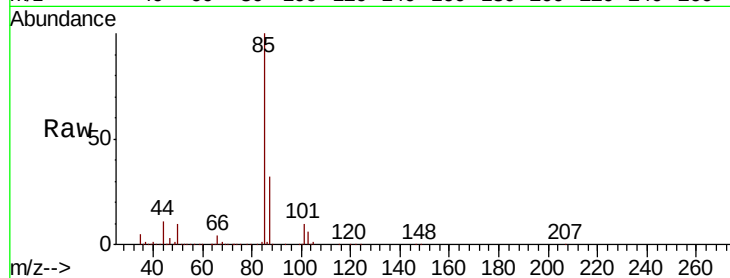
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 169359

Ion Ratio Lower Upper

85 100

87 32.4 26.0 39.0



#3

Chloromethane

Concen: 4.796 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013685.D

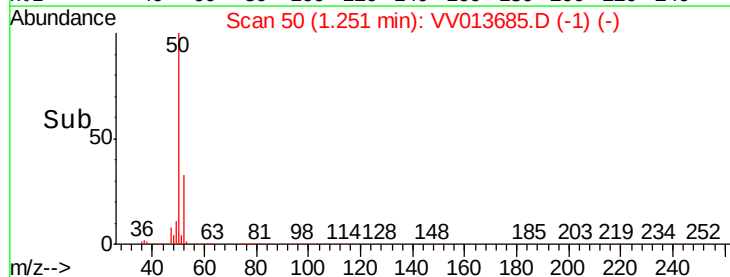
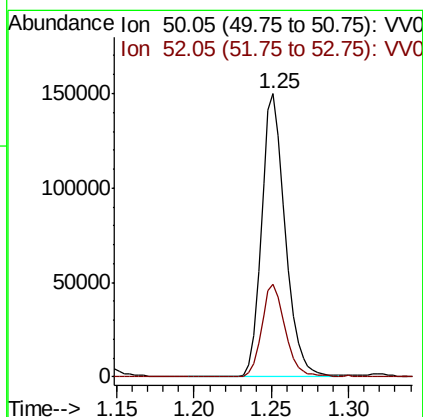
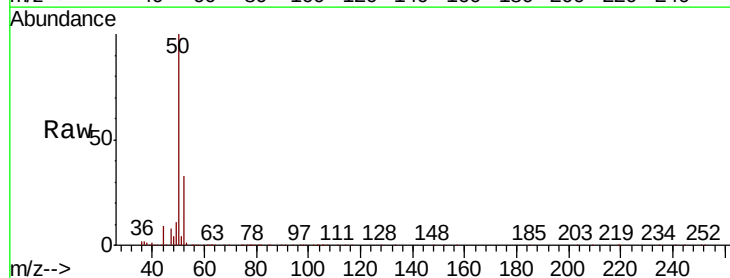
Acq: 20 Nov 2019 10:42

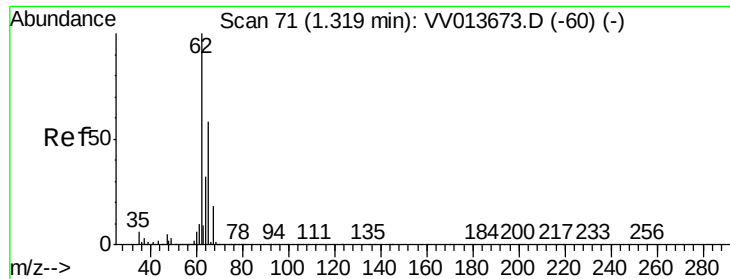
Tgt Ion: 50 Resp: 160355

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.4





#5

Vinyl chloride

Concen: 4.814 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

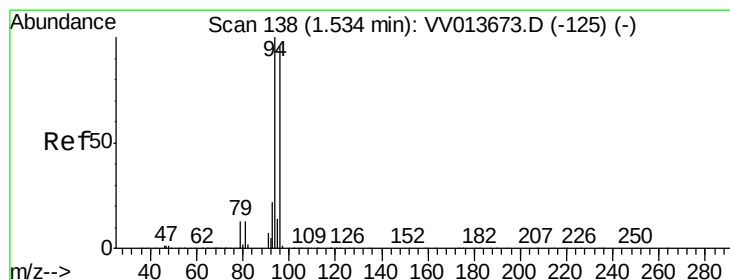
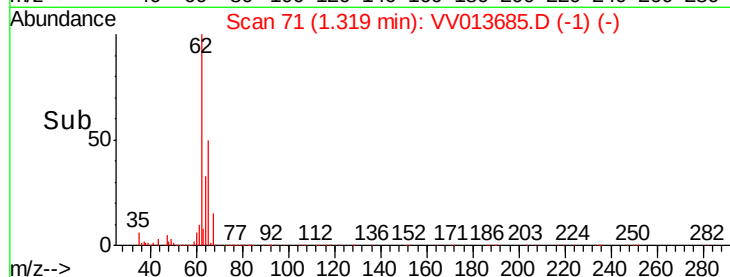
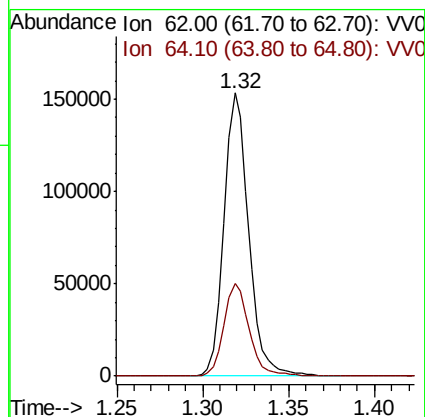
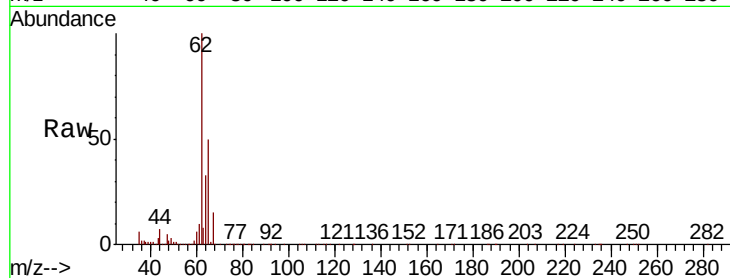
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 153315

Ion Ratio Lower Upper

62 100

64 32.8 23.4 43.6



#6

Bromomethane

Concen: 4.772 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013685.D

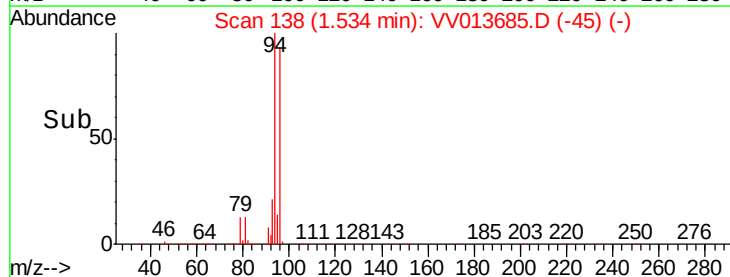
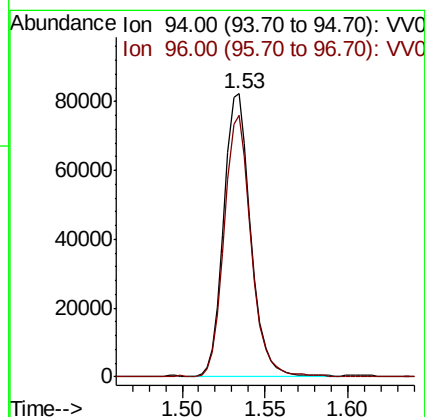
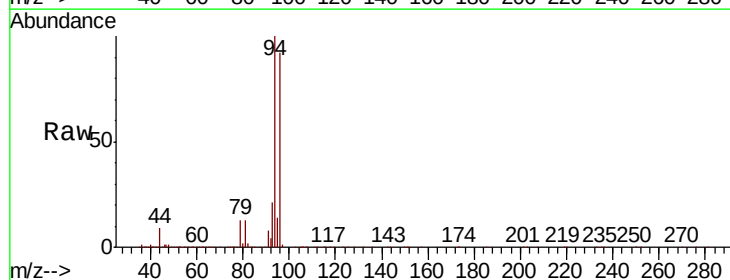
Acq: 20 Nov 2019 10:42

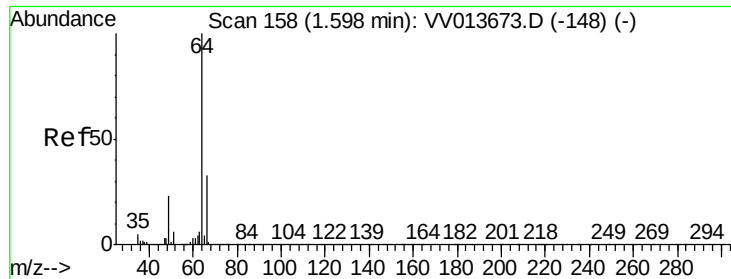
Tgt Ion: 94 Resp: 92620

Ion Ratio Lower Upper

94 100

96 92.4 67.0 124.4

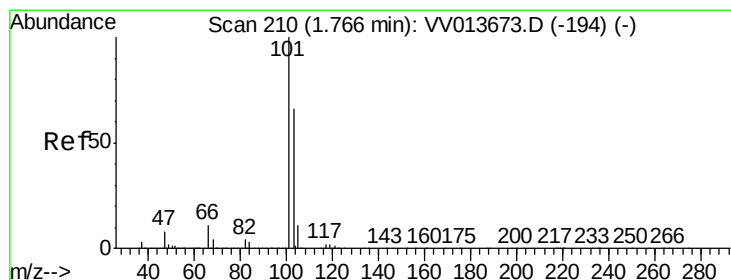
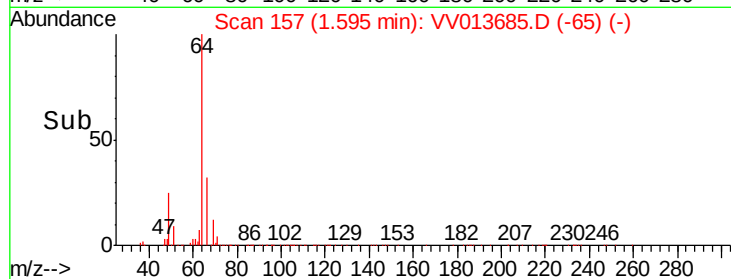
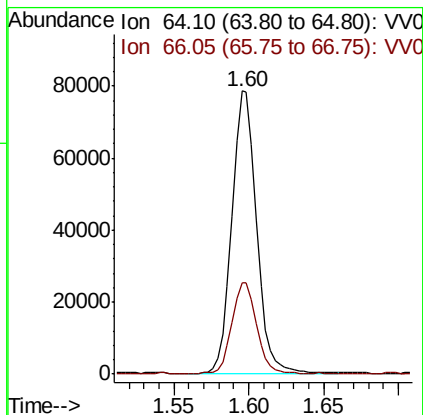
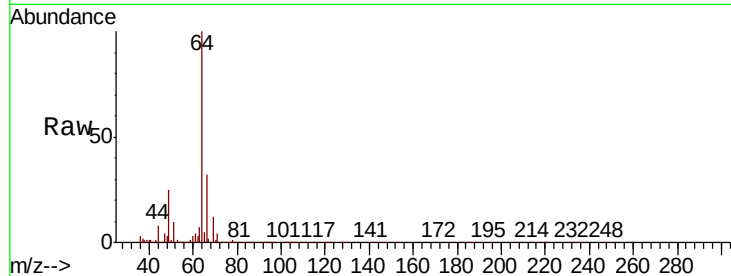




#8
Chloroethane
Concen: 5.060 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

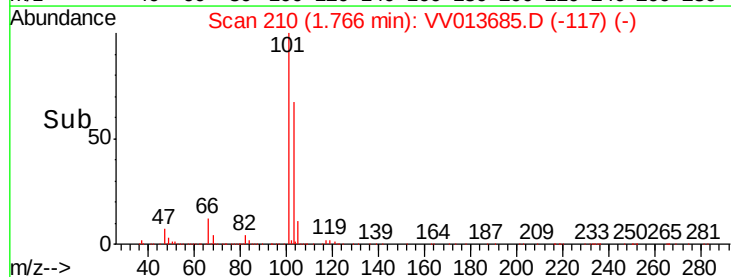
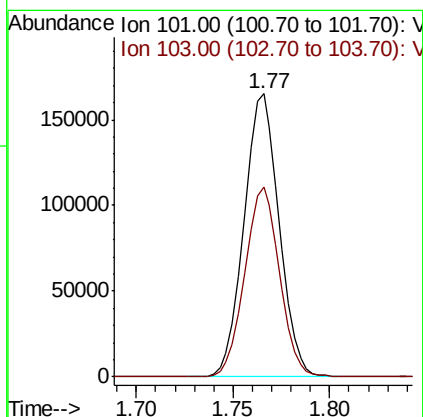
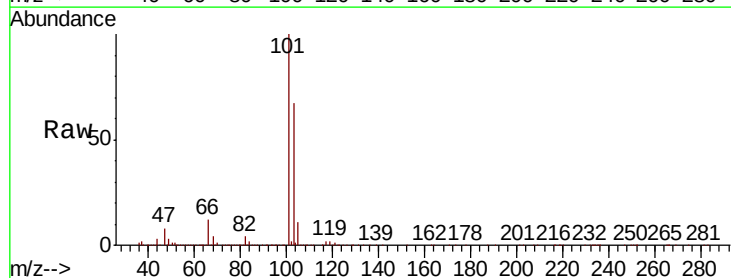
Instrument :
MSVOA_V
ClientSampleId :

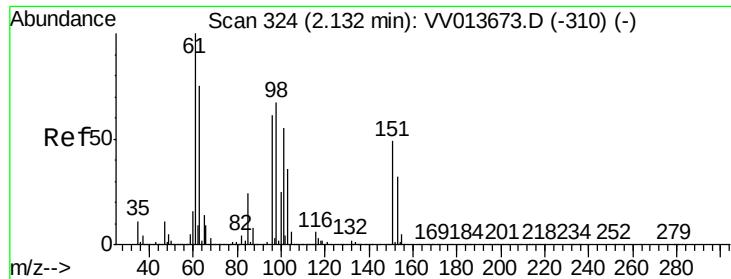
Tot Ion: 64 Resp: 90457
Ion Ratio Lower Upper
64 100
66 32.5 21.9 40.7



#9
Trichlorofluoromethane
Concen: 4.934 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Tgt Ion: 101 Resp: 208900
Ion Ratio Lower Upper
101 100
103 66.3 51.6 77.4





#10

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

Concen: 5.190 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

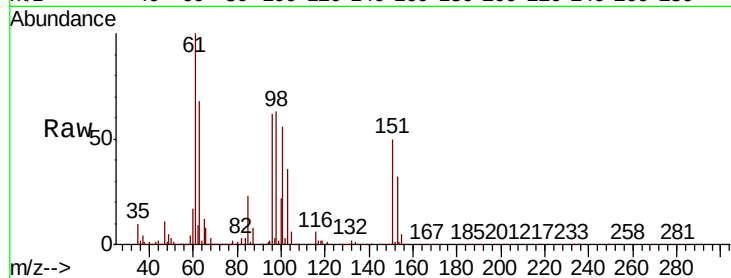
Tot Ion:101 Resp: 120686

Ion Ratio Lower Upper

101 100

85 41.9 32.0 48.0

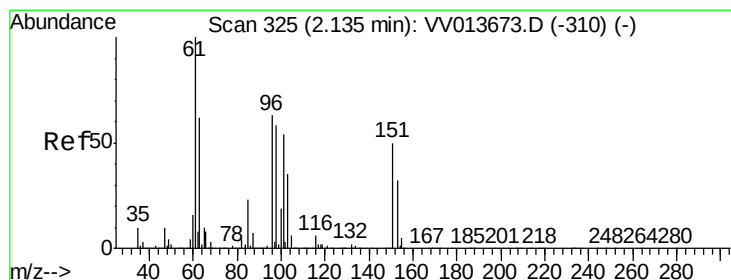
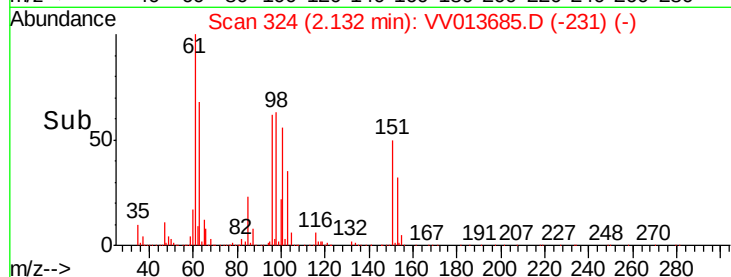
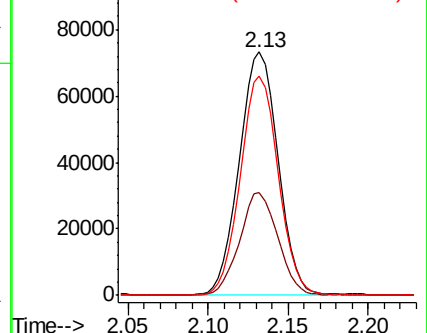
151 88.5 69.0 103.6



Abundance Ion 101.00 (100.70 to 101.70): VV013673.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV013673.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV013673.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.113 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

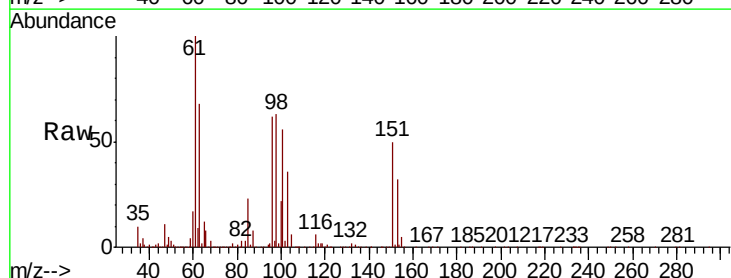
Tgt Ion: 96 Resp: 115442

Ion Ratio Lower Upper

96 100

61 161.4 112.5 208.9

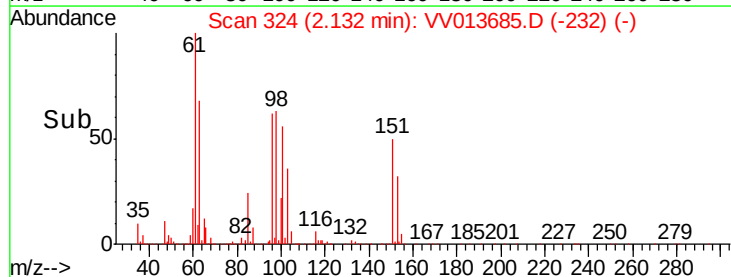
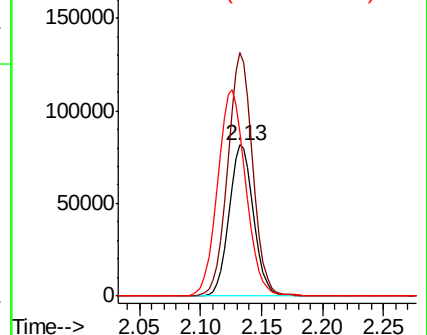
63 109.3 76.9 142.7

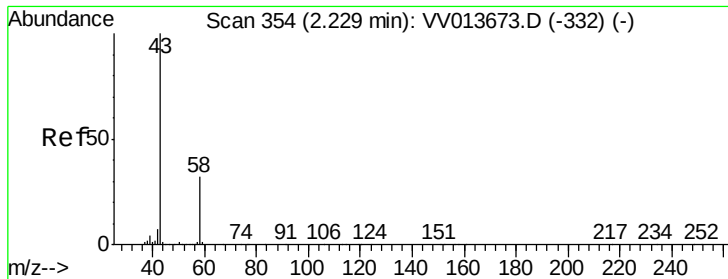


Abundance Ion 96.00 (95.70 to 96.70): VV013673.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV013673.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV013673.D (-310) (-)

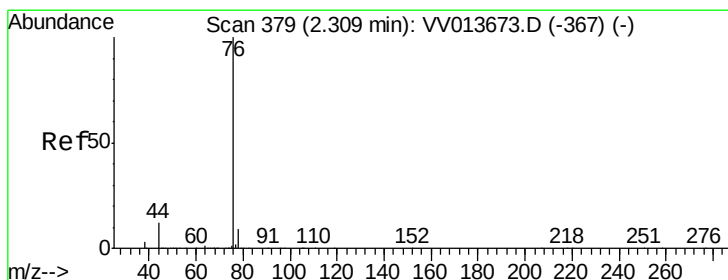
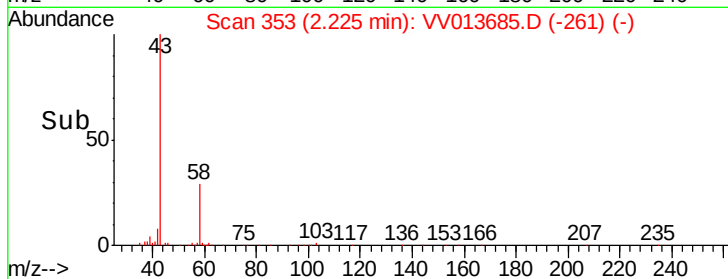
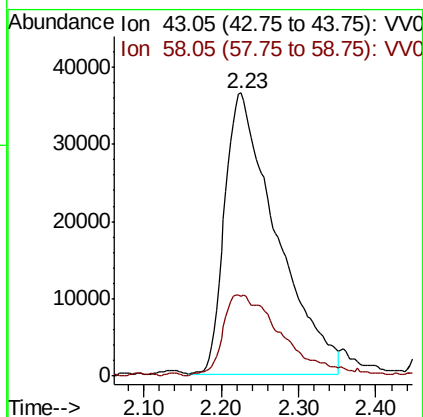
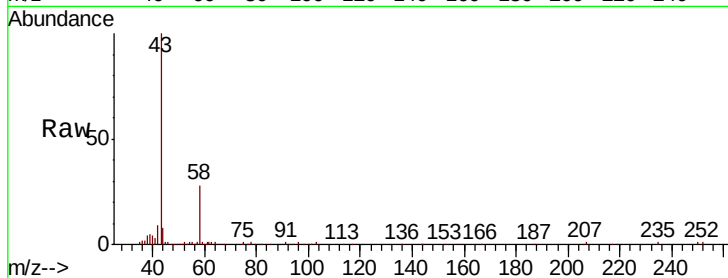




#13
Acetone
Concen: 49.477 ug/L
RT: 2.23 min Scan# 353
Delta R.T. -0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

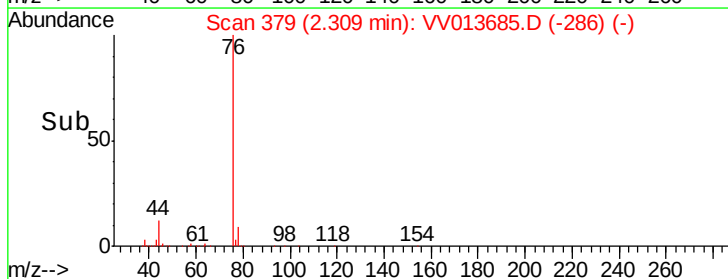
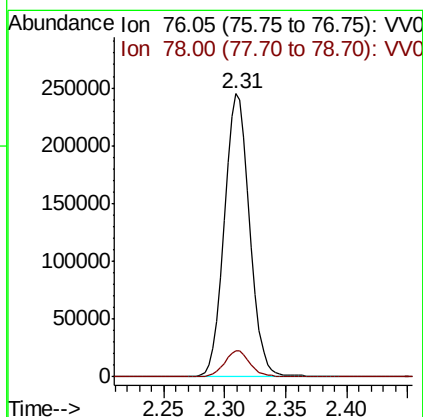
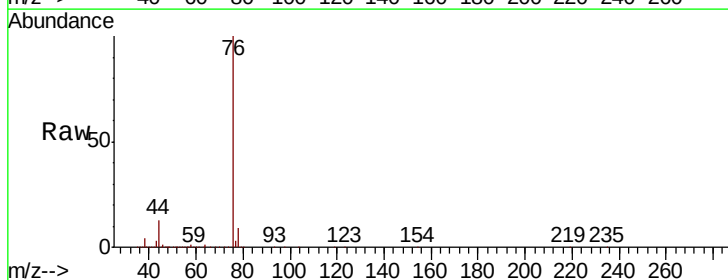
Instrument :
MSVOA_V
ClientSampleId :

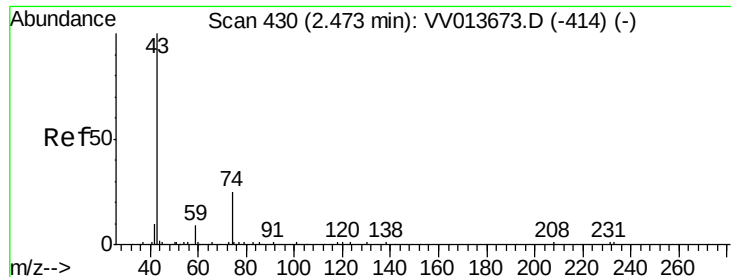
Tot Ion: 43 Resp: 168512
Ion Ratio Lower Upper
43 100
58 32.9 0.0 17.0#



#14
Carbon disulfide
Concen: 4.602 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Tgt Ion: 76 Resp: 358435
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2





#15

Methvl Acetate

Concen: 4.413 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

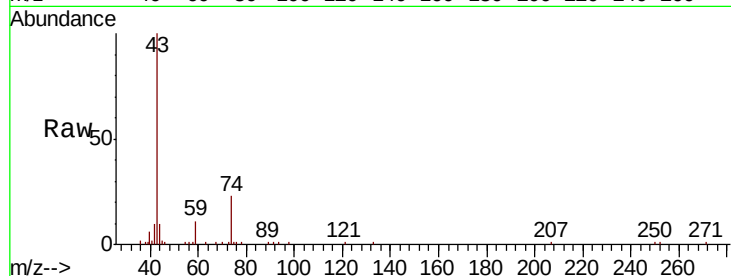
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 42568

Ion Ratio Lower Upper

43 100

74 24.3 18.9 28.3



Abundance Ion 43.05 (42.75 to 43.75): VV013673.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VV013673.D (-414) (-)

2.47

20000

15000

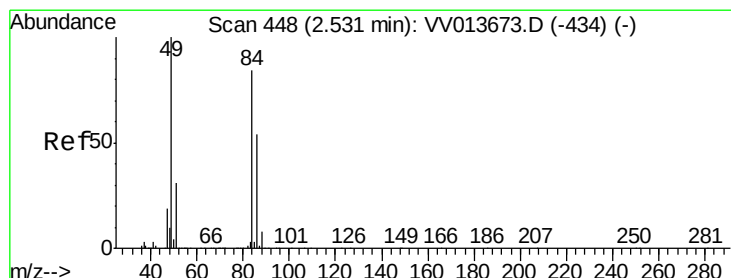
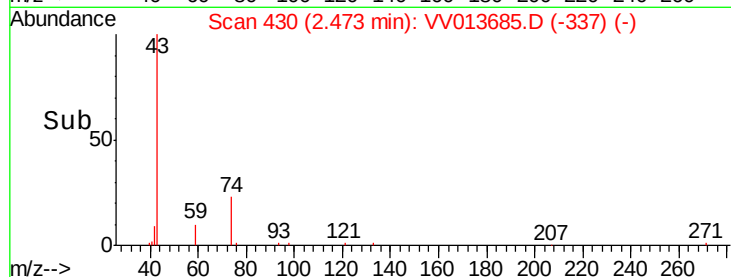
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0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.259 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

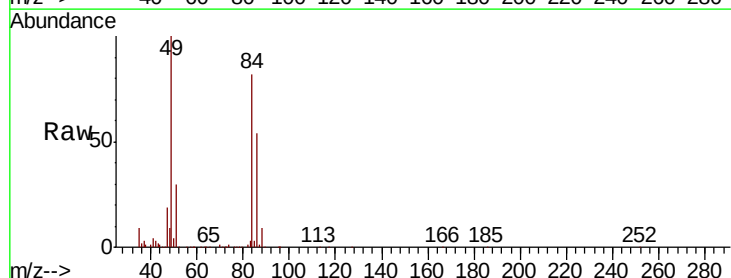
Tgt Ion: 84 Resp: 133618

Ion Ratio Lower Upper

84 100

86 65.6 44.1 81.9

49 121.4 83.4 155.0



Abundance Ion 84.05 (83.75 to 84.75): VV013673.D (-434) (-)

Ion 86.00 (85.70 to 86.70): VV013673.D (-434) (-)

Ion 49.10 (48.80 to 49.80): VV013673.D (-434) (-)

2.53

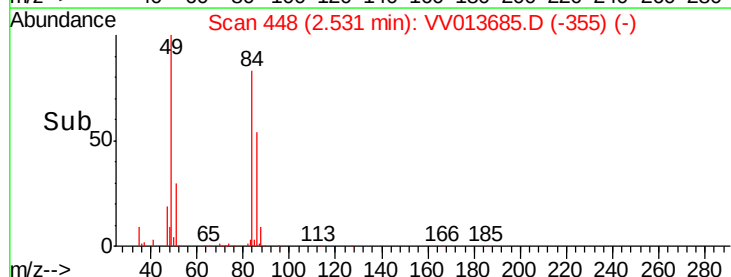
100000

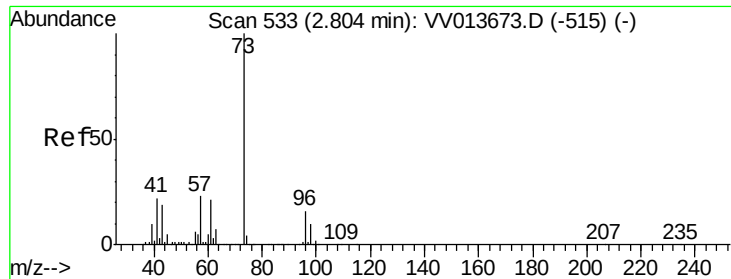
50000

0

Time-->

2.45 2.50 2.55 2.60

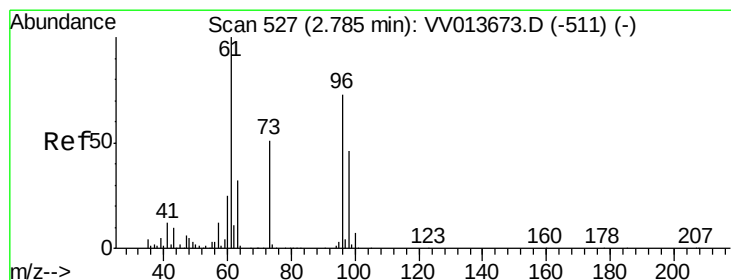
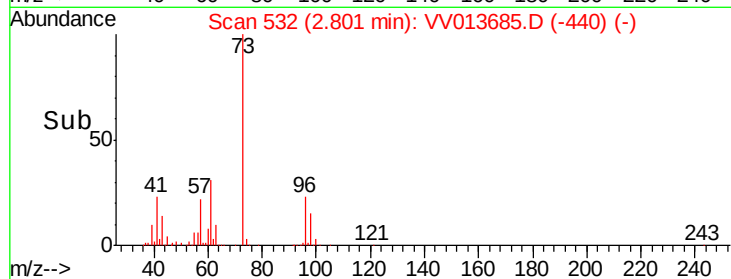
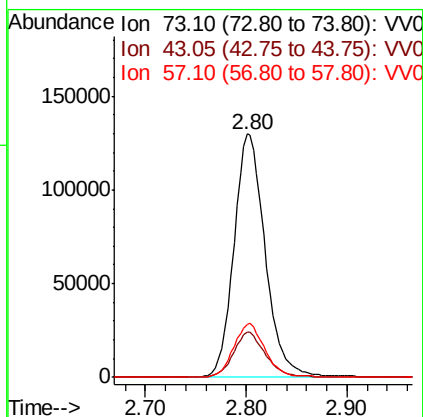
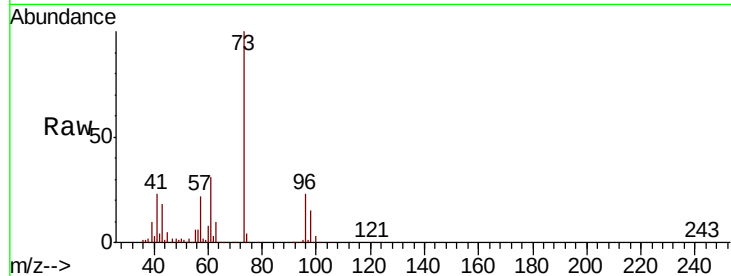




#17
Methyl tert-butyl Ether
Concen: 4.833 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

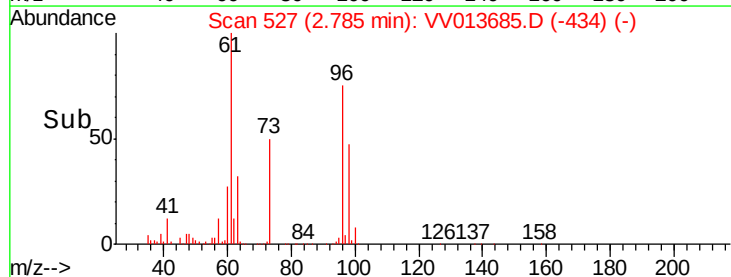
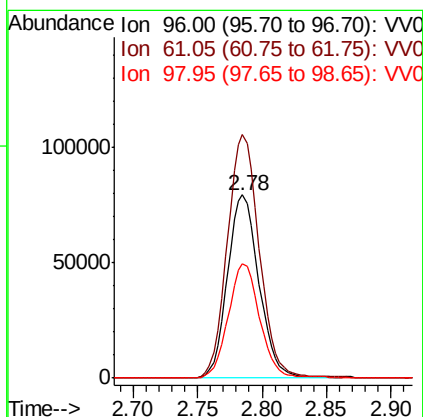
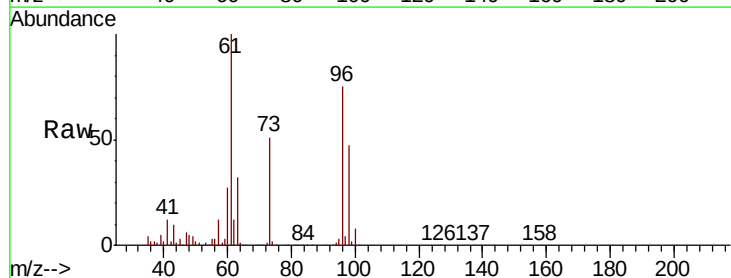
Instrument :
MSVOA_V
ClientSampleId :

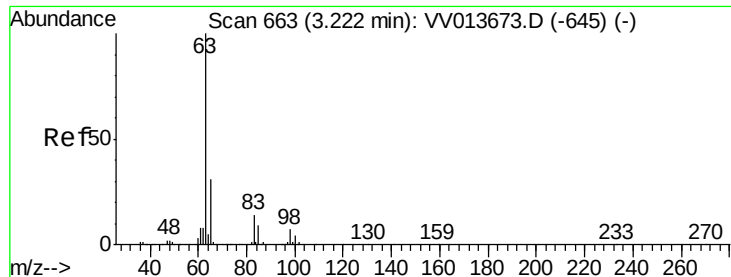
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.4	23.0
57	22.3	18.1	27.1



#18
trans-1,2-Dichloroethene
Concen: 4.845 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.0	101.0	187.6
98	62.7	47.0	87.2

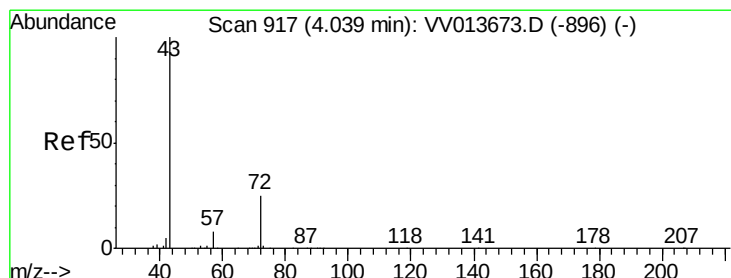
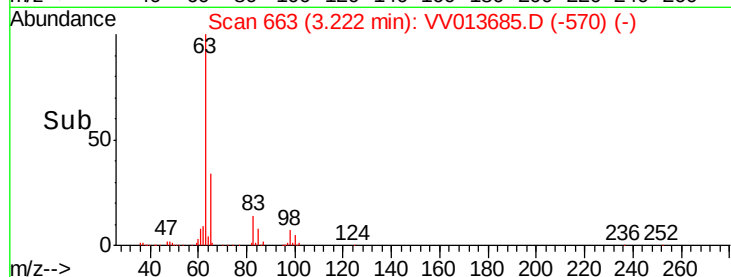
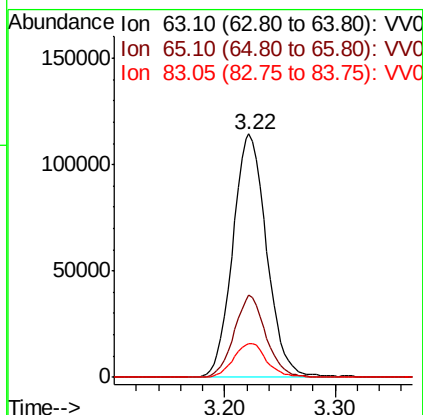
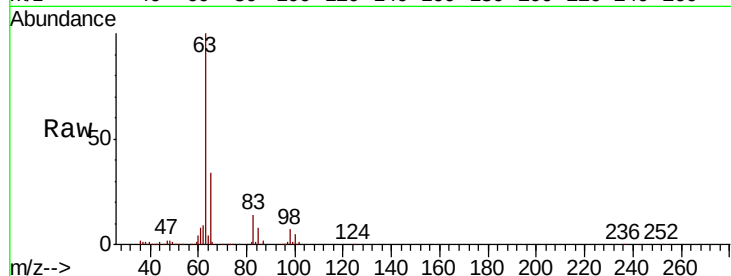




#19
 1,1-Dichloroethane
 Concen: 4.879 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

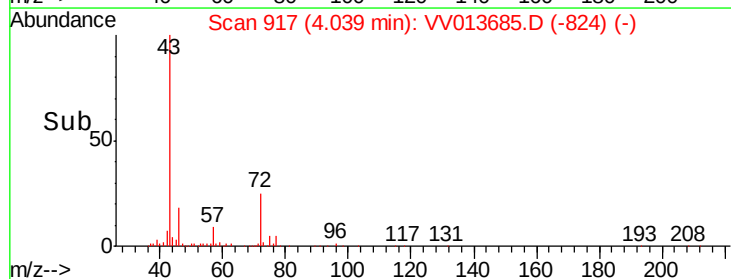
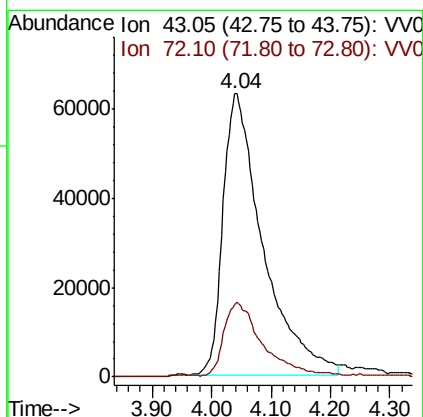
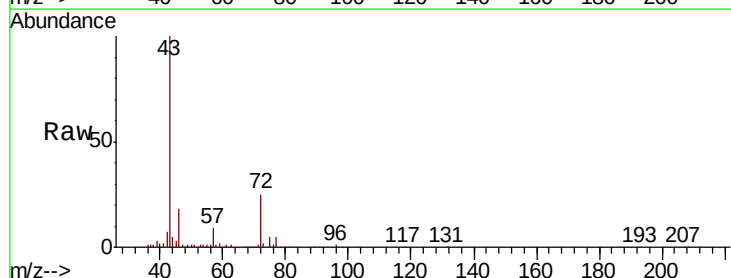
Instrument :
 MSVOA_V
 ClientSampleId :

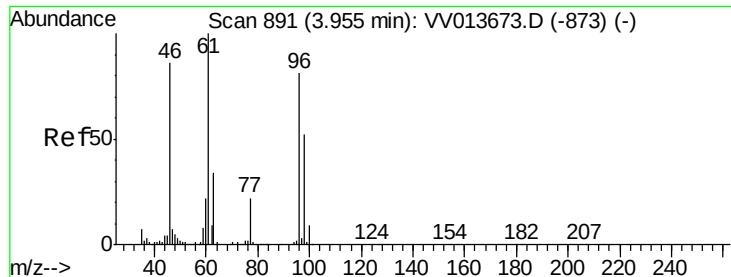
Tot Ion: 63 Resp: 242570
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.5 41.7
 83 13.7 9.7 17.9



#21
 2-Butanone
 Concen: 51.579 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion: 43 Resp: 294594
 Ion Ratio Lower Upper
 43 100
 72 24.2 11.6 34.8



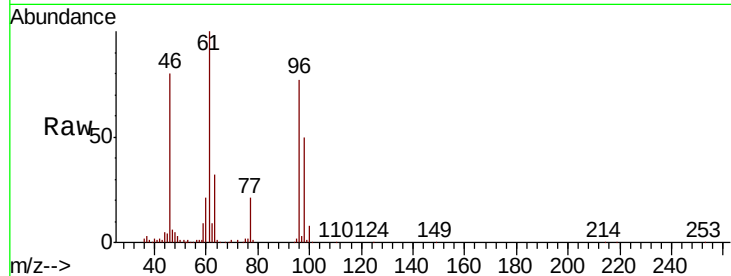


#22

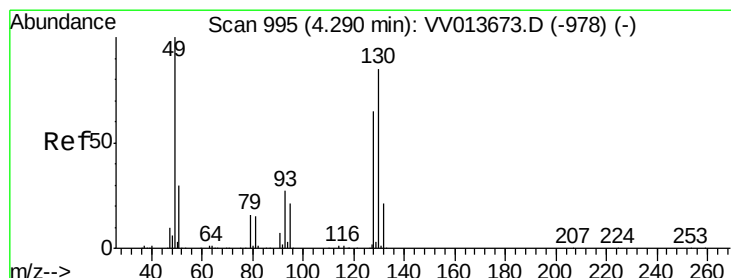
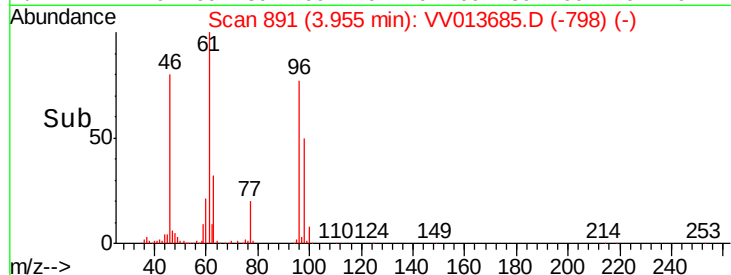
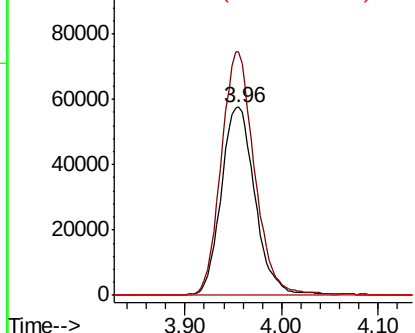
cis-1,2-Dichloroethene
 Concen: 4.835 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 139711
 Ion Ratio Lower Upper
 96 100
 61 129.2 87.7 162.9
 68 0.2 0.1 0.3



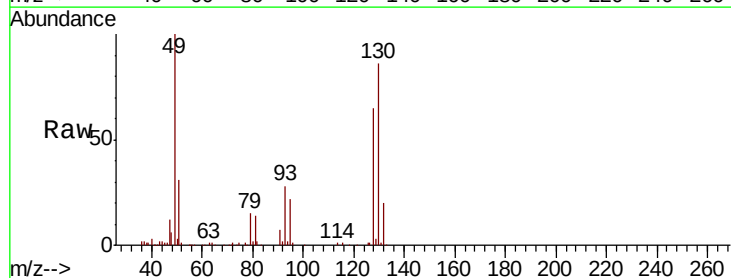
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



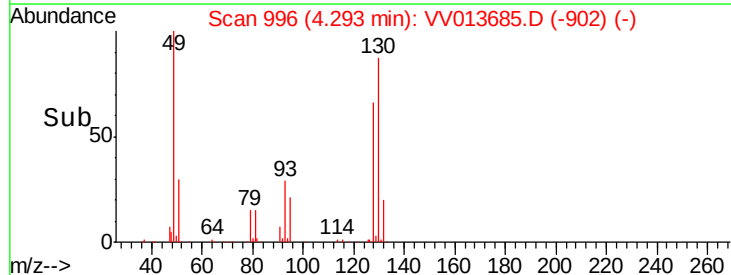
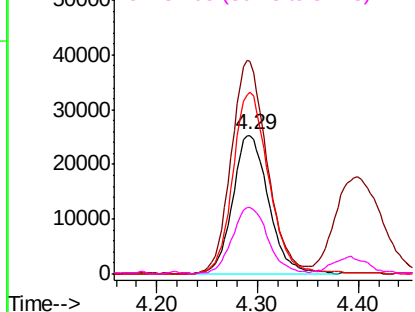
#23

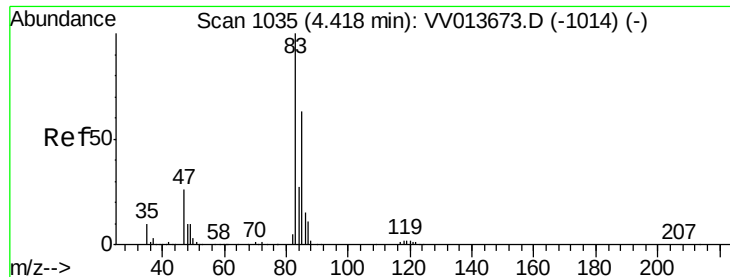
Bromochloromethane
 Concen: 4.698 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion: 128 Resp: 62584
 Ion Ratio Lower Upper
 128 100
 49 153.2 107.2 199.0
 130 131.7 87.9 163.3
 51 47.8 39.4 59.0



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

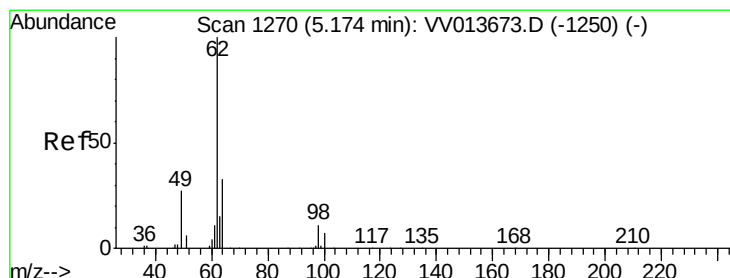
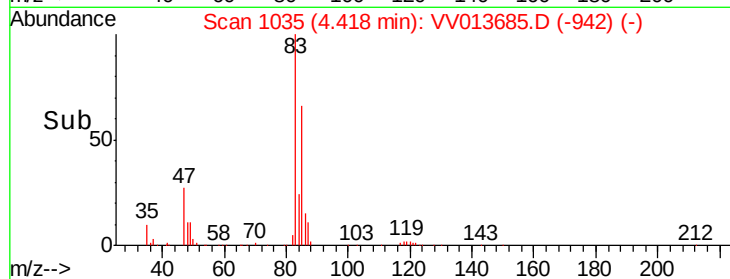
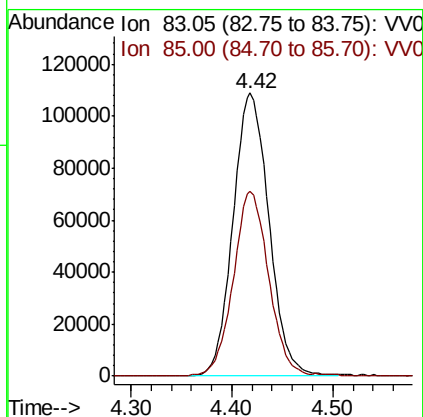
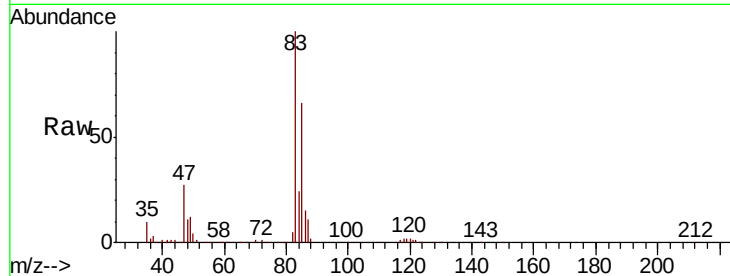




#25
Chloroform
Concen: 4.008 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

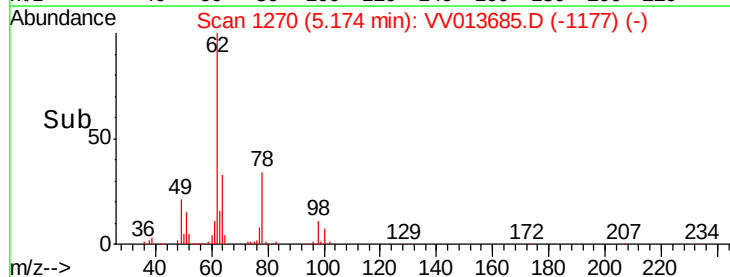
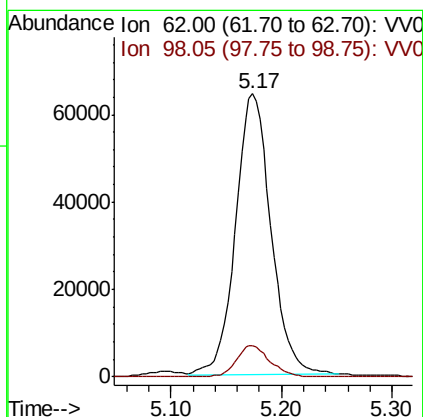
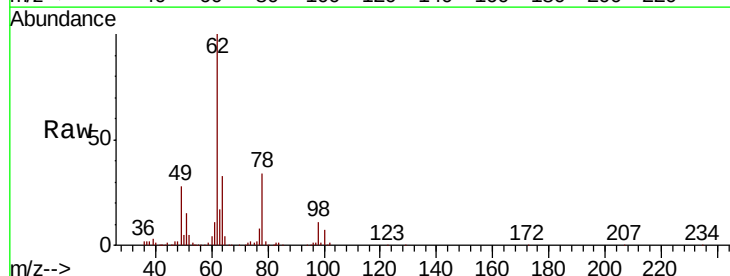
Instrument :
MSVOA_V
ClientSampled :

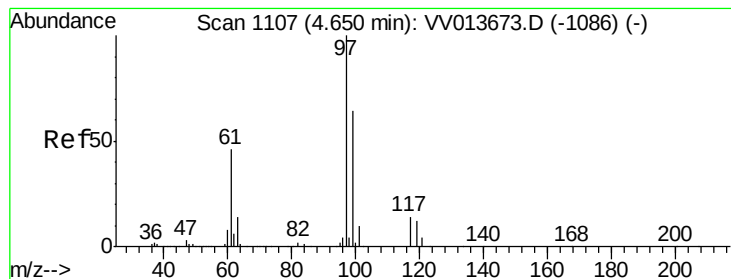
Tot Ion: 83 Resp: 269877
Ion Ratio Lower Upper
83 100
85 65.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.782 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Tgt Ion: 62 Resp: 143067
Ion Ratio Lower Upper
62 100
98 11.1 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 4.967 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

ClientSampled :

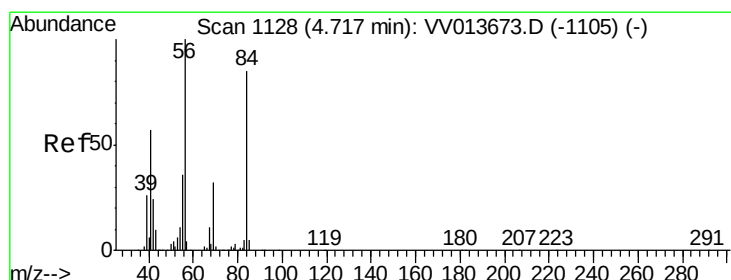
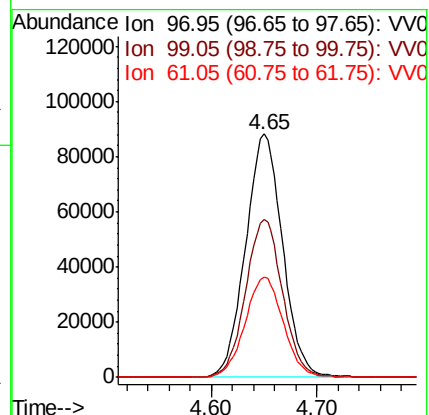
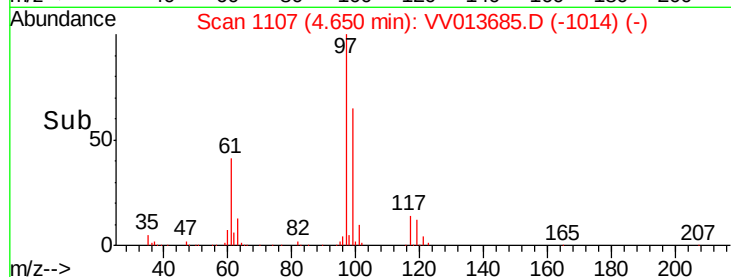
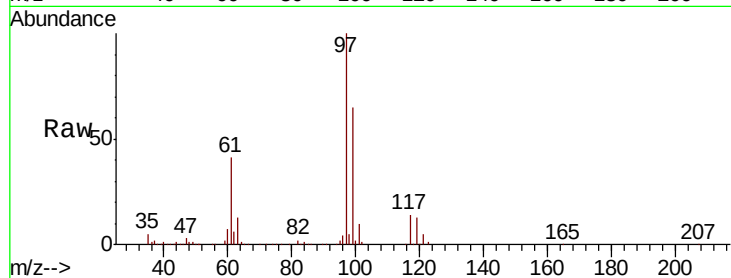
Tot Ion: 97 Resp: 215443

Ion Ratio Lower Upper

97 100

99 64.8 52.6 79.0

61 42.6 34.7 52.1



#30

Cyclohexane

Concen: 4.919 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

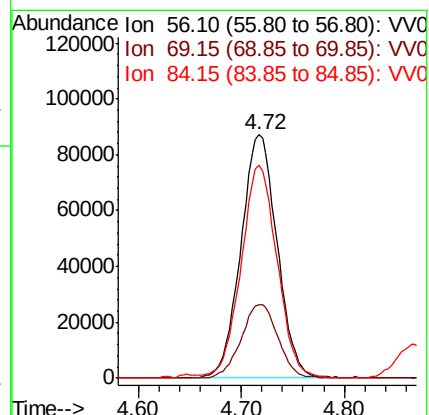
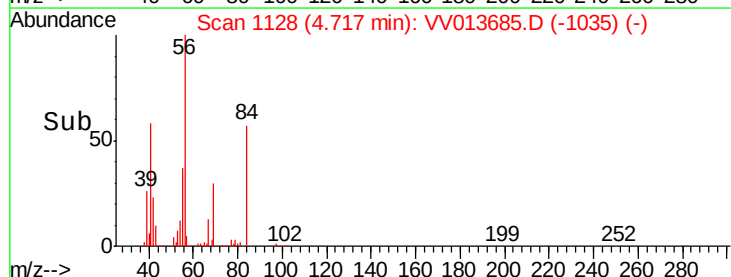
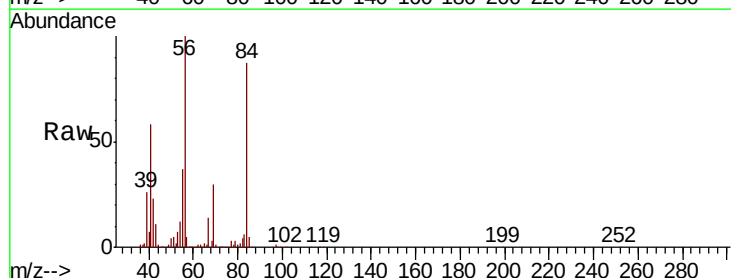
Tgt Ion: 56 Resp: 212296

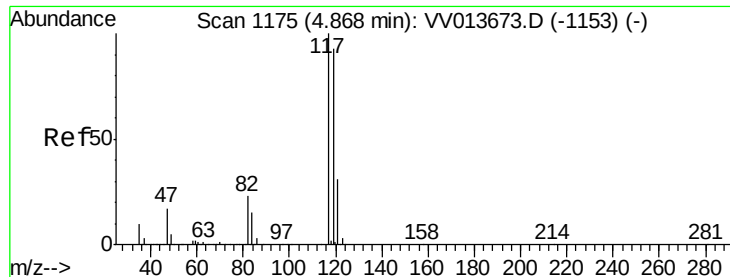
Ion Ratio Lower Upper

56 100

69 31.0 23.8 35.8

84 86.9 69.1 103.7

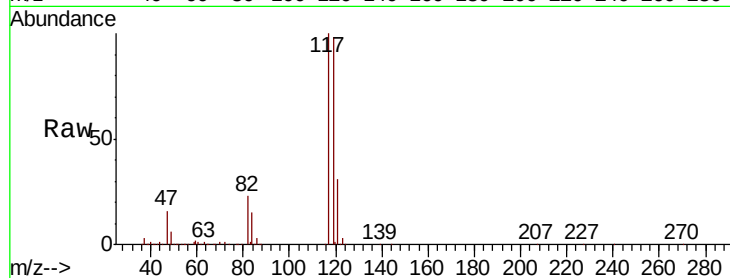




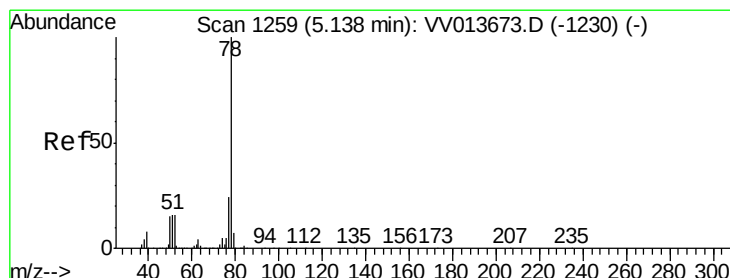
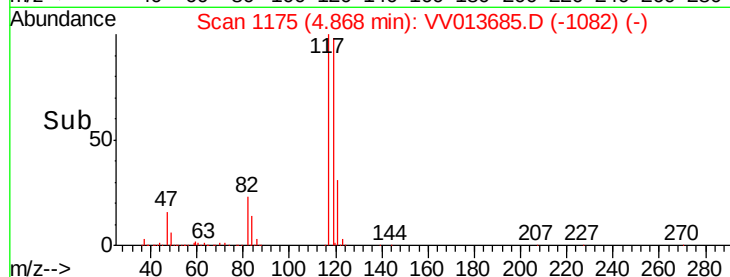
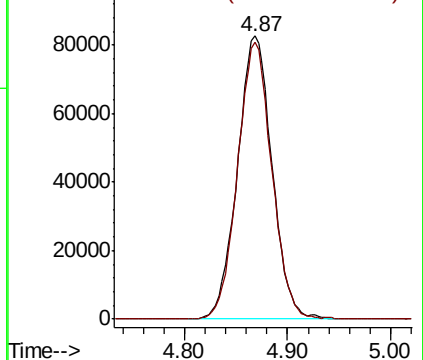
#31
Carbon tetrachloride
Concen: 4.916 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 192660
Ion Ratio Lower Upper
117 100
119 96.6 74.8 112.2

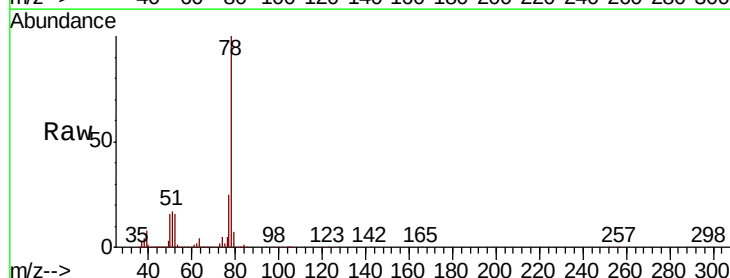


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

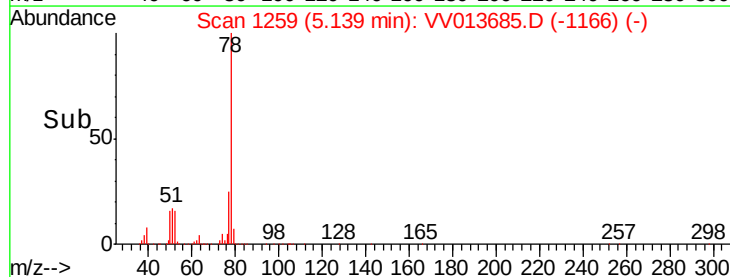
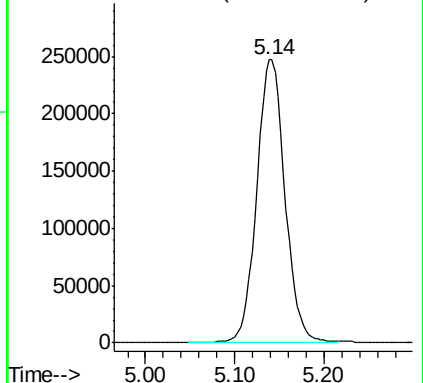


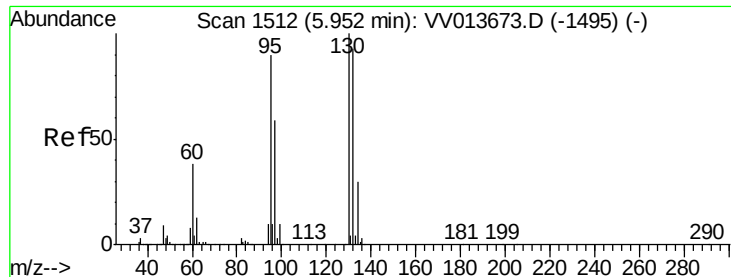
#33
Benzene
Concen: 5.028 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Tgt Ion: 78 Resp: 546166



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.845 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 140876

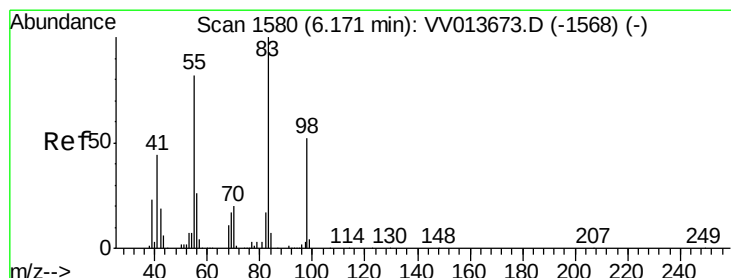
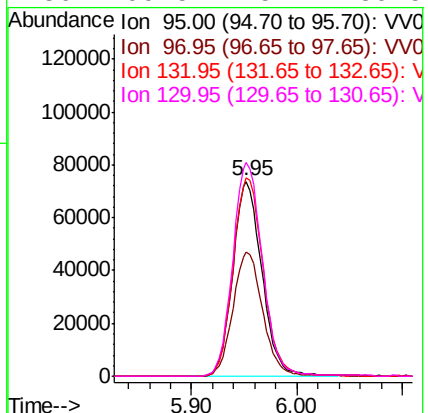
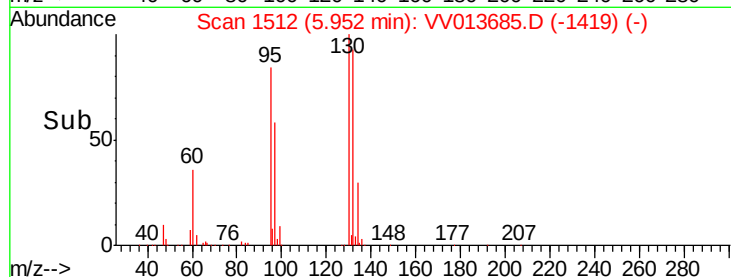
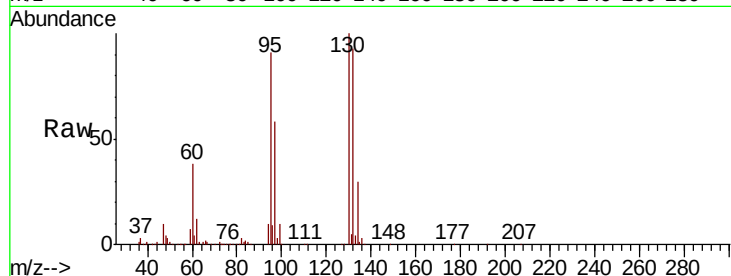
Ion Ratio Lower Upper

95 100

97 64.0 44.8 83.2

132 101.5 72.9 135.3

130 109.5 75.1 139.5



#35

Methylcyclohexane

Concen: 4.883 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

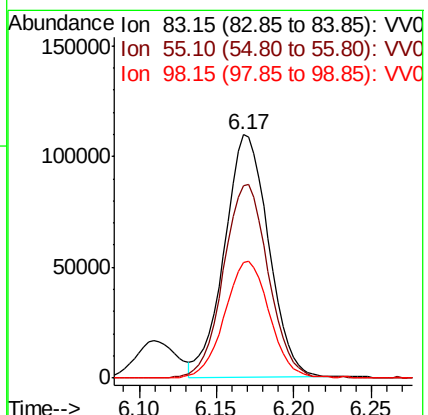
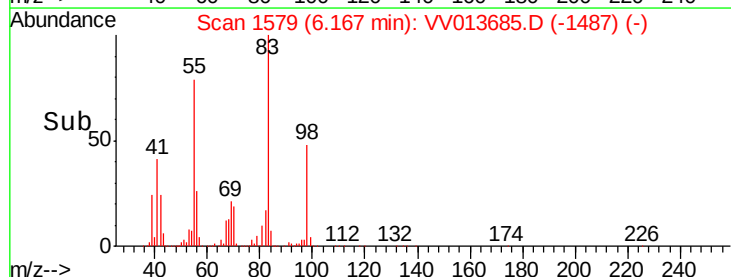
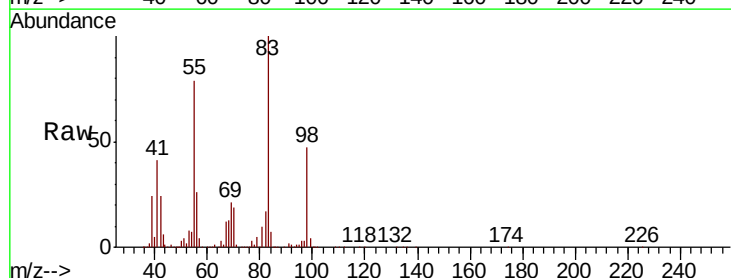
Tgt Ion: 83 Resp: 216548

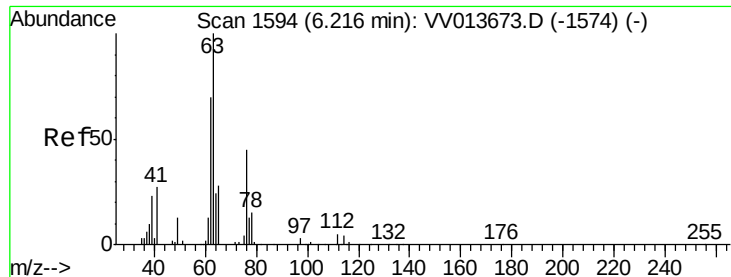
Ion Ratio Lower Upper

83 100

55 81.0 64.1 96.1

98 49.2 38.2 57.2

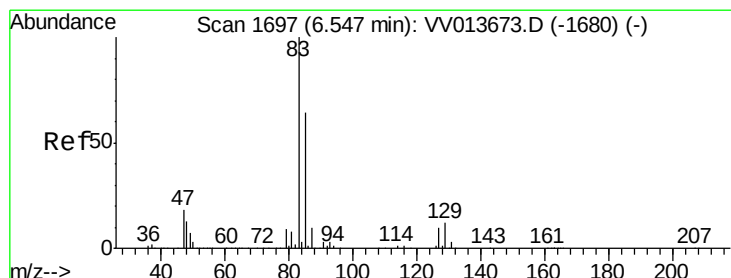
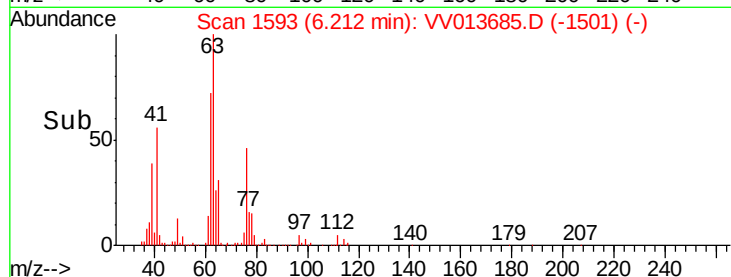
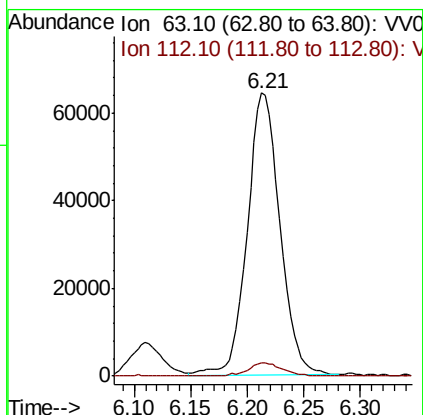
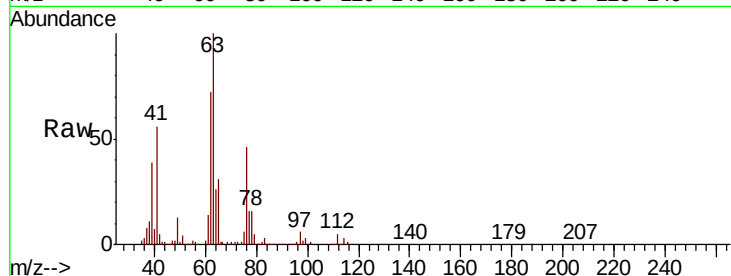




#37
 1,2-Dichloropropane
 Concen: 4.964 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

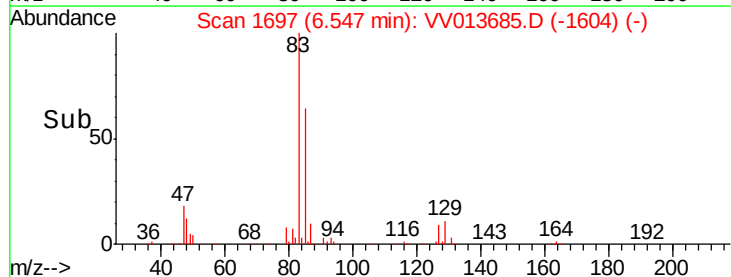
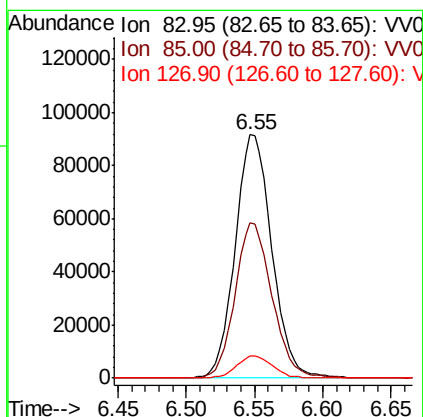
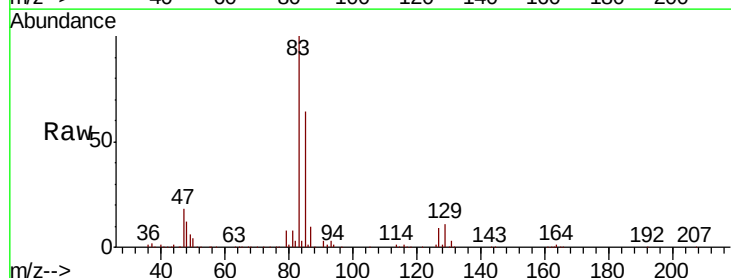
Instrument :
 MSVOA_V
 ClientSampleId :

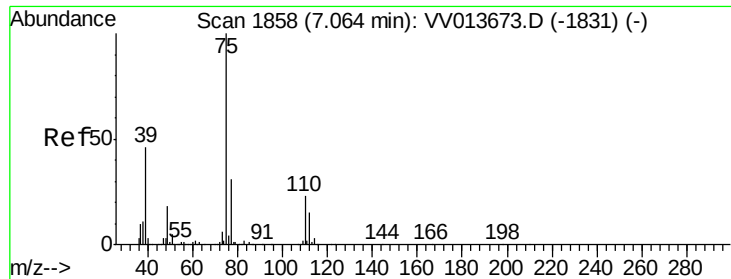
Tot Ion: 63 Resp: 129132
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.720 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion: 83 Resp: 171230
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.9 83.5
 127 8.9 7.0 10.6

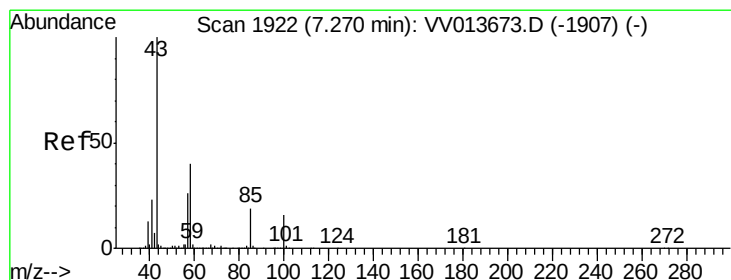
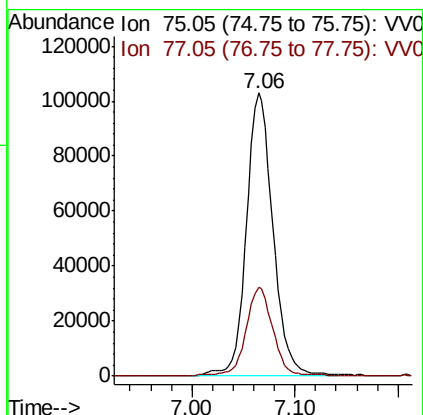
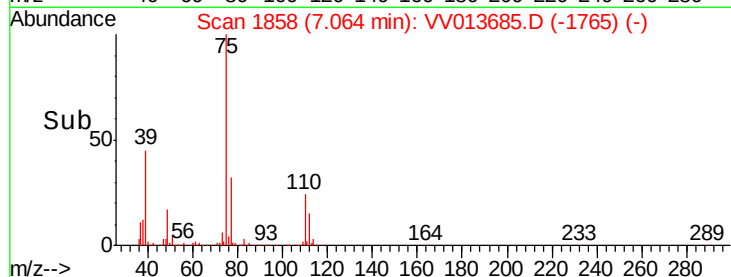
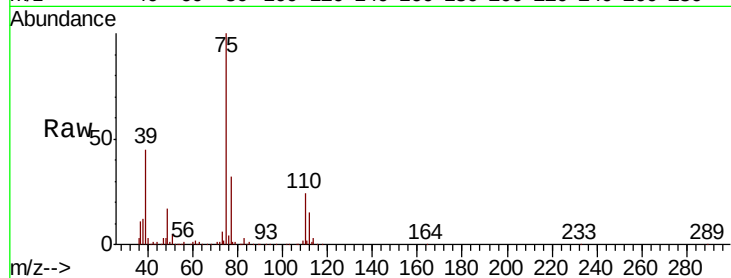




#39
 cis-1,3-Dichloropropene
 Concen: 4.909 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

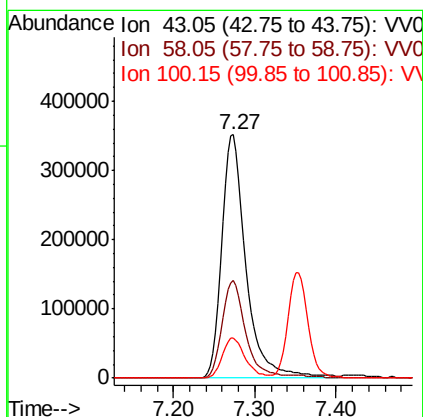
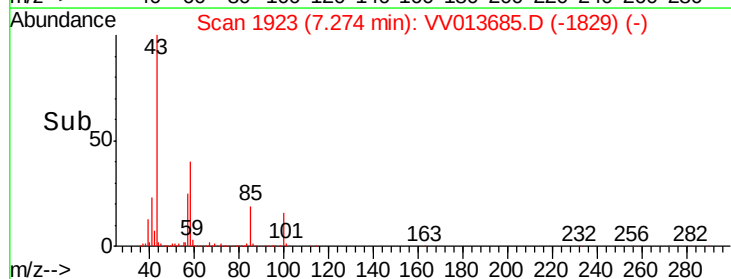
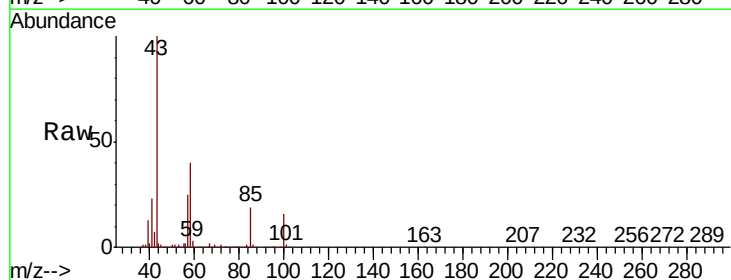
Instrument :
 MSVOA_V
 ClientSampled :

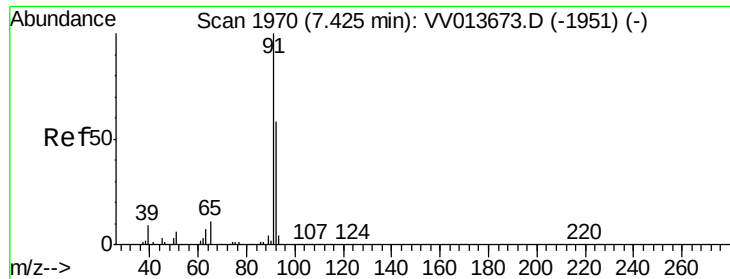
Tot Ion: 75 Resp: 183504
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 48.969 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion: 43 Resp: 741037
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.5 47.3
 100 15.7 12.2 18.4





#42

Toluene

Concen: 5.110 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

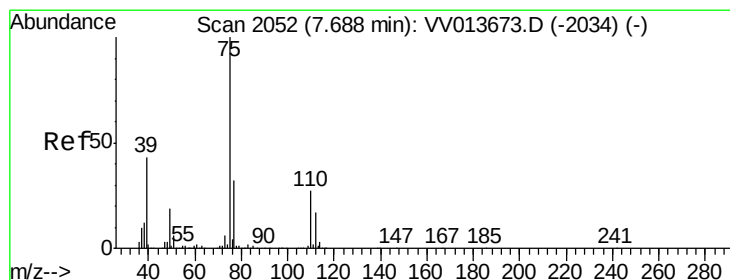
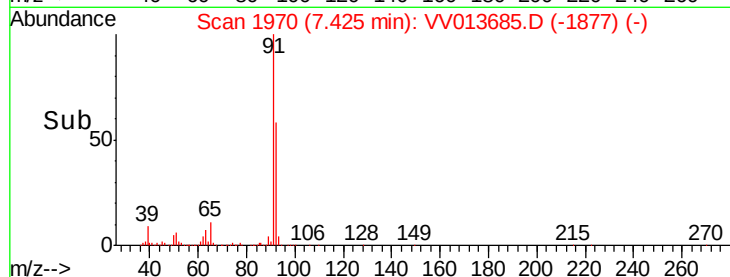
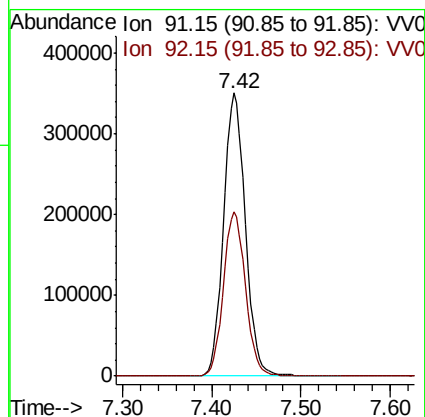
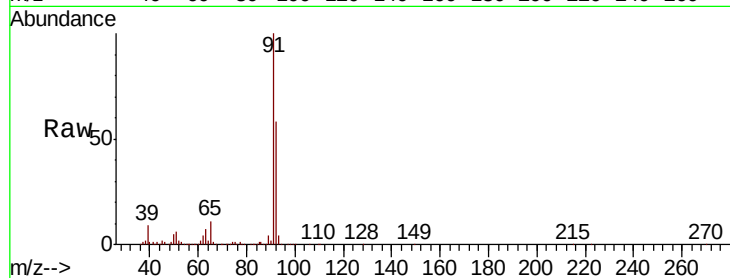
ClientSampleId :

Tot Ion: 91 Resp: 593037

Ion Ratio Lower Upper

91 100

92 58.1 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.029 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013685.D

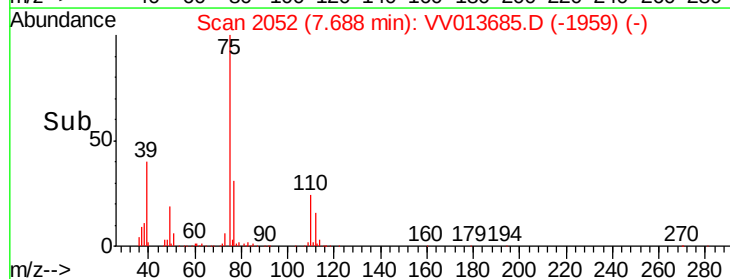
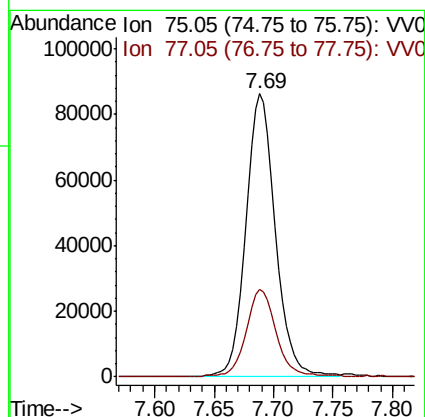
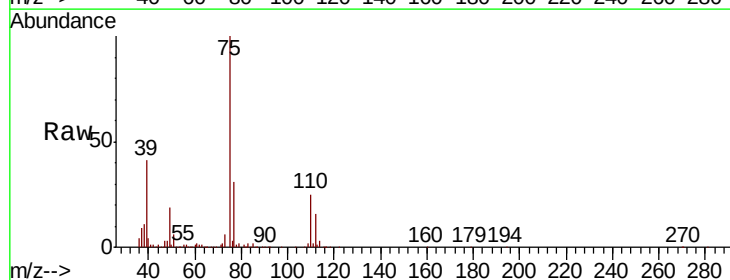
Acq: 20 Nov 2019 10:42

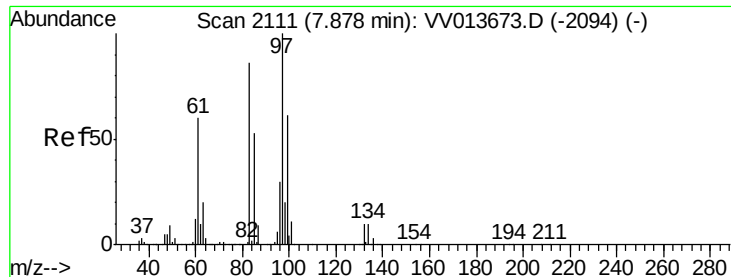
Tgt Ion: 75 Resp: 148175

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 4.970 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 93231

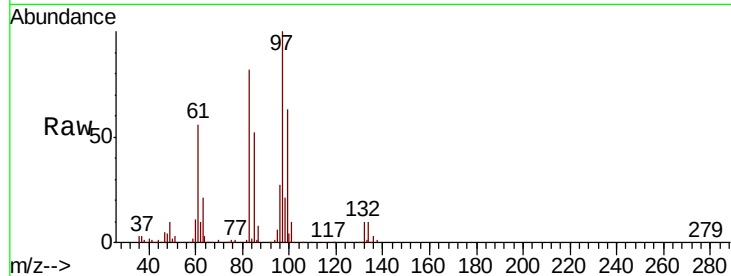
Ion Ratio Lower Upper

97 100

99 62.8 43.8 81.3

83 81.8 58.0 107.8

85 52.5 36.0 67.0



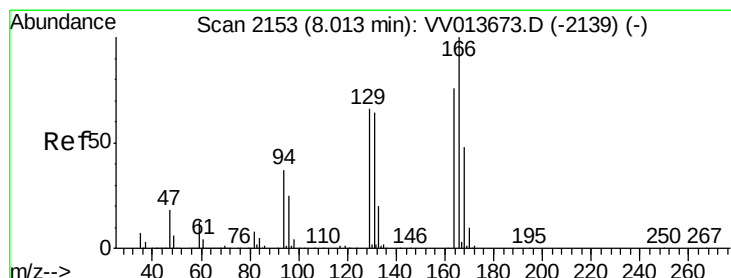
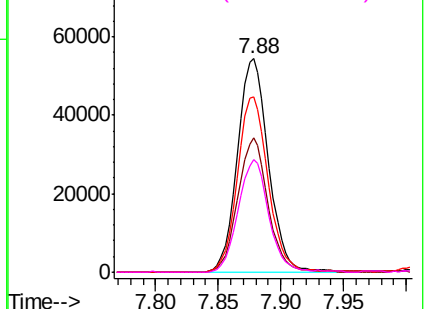
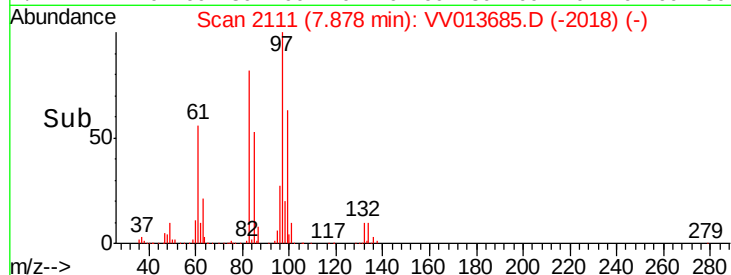
Abundance

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: 4.999 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Tgt Ion: 164 Resp: 134683

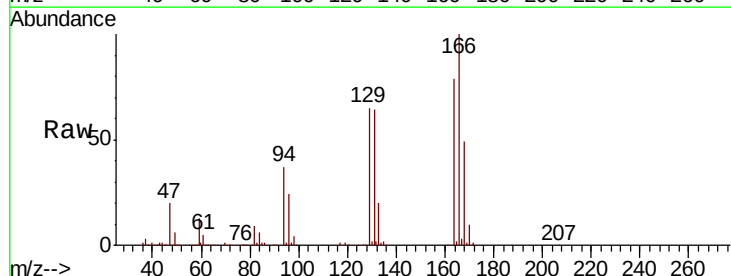
Ion Ratio Lower Upper

164 100

129 82.6 59.1 109.9

131 81.4 58.9 109.5

166 126.5 87.8 163.2



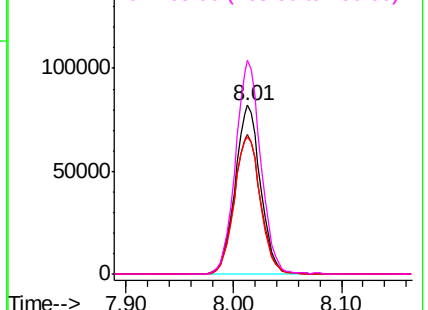
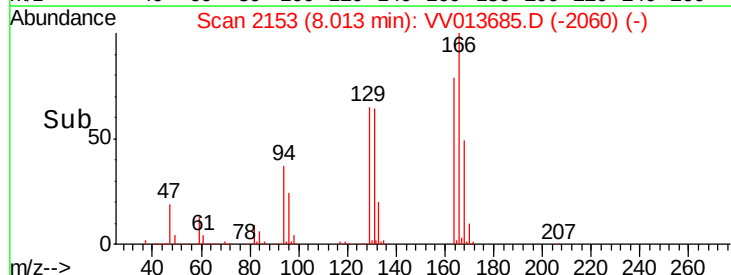
Abundance

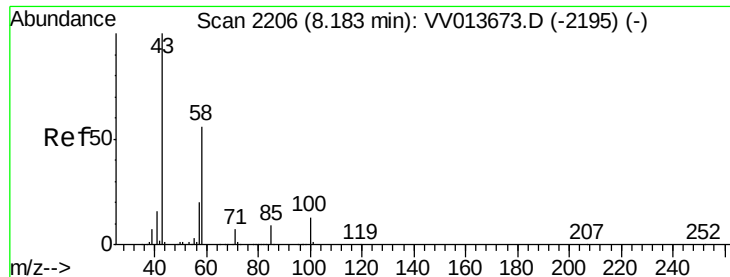
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

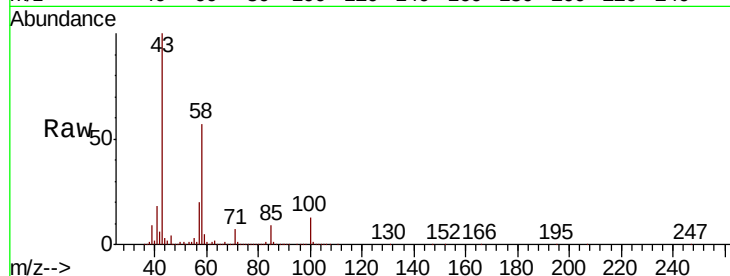




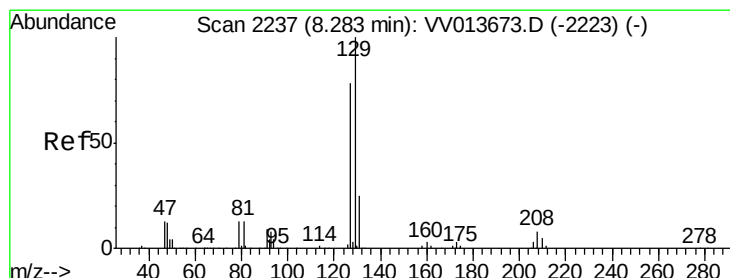
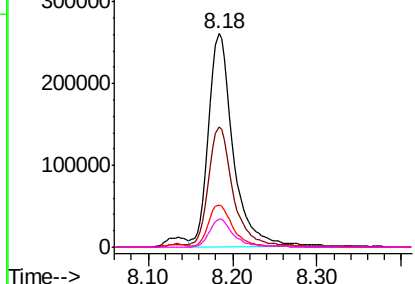
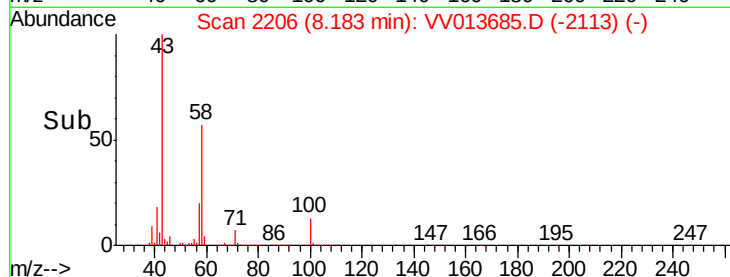
#48
2-Hexanone
Concen: 49.183 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 527870
Ion Ratio Lower Upper
43 100
58 56.5 43.0 64.6
57 19.2 15.4 23.2
100 13.3 10.1 15.1

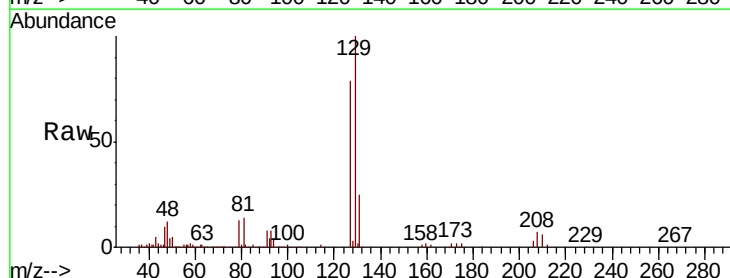


Abundance Ion 43.05 (42.75 to 43.75): VV013685.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV013685.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV013685.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV013685.D (-2113) (-)

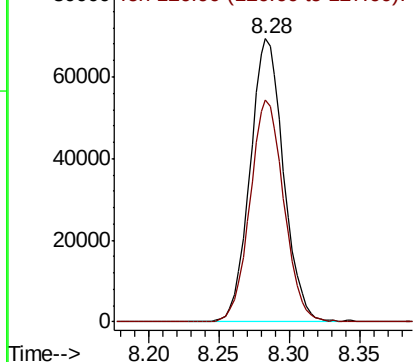
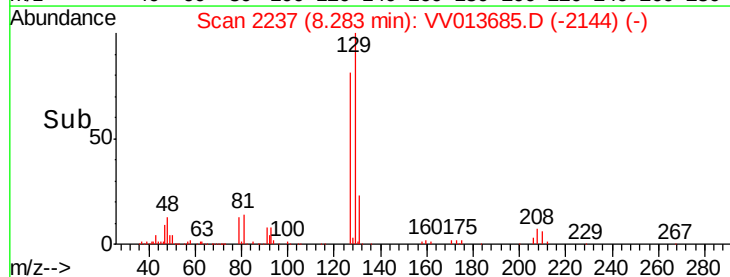


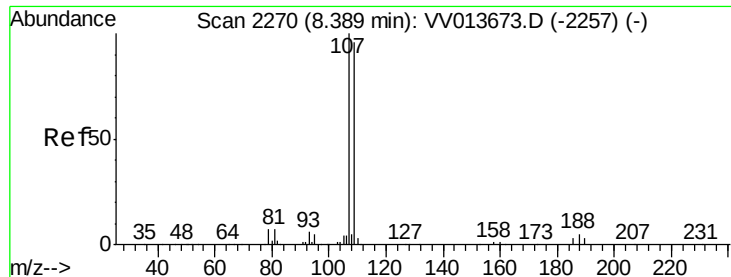
#49
Dibromochloromethane
Concen: 4.834 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV013685.D
Acq: 20 Nov 2019 10:42

Tgt Ion: 129 Resp: 115118
Ion Ratio Lower Upper
129 100
127 78.6 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013685.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV013685.D (-2144) (-)

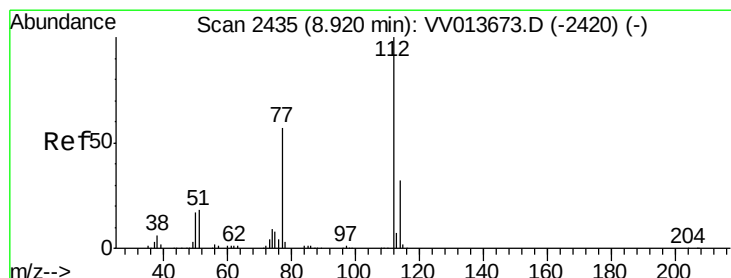
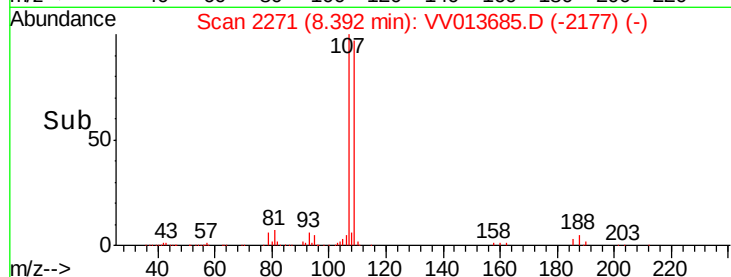
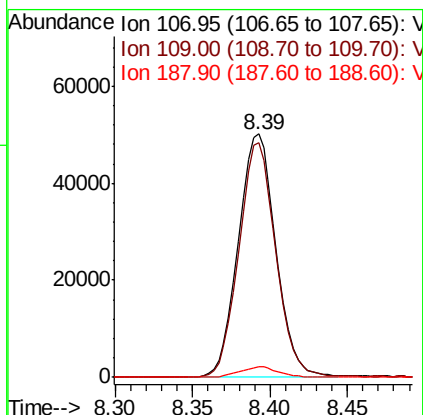
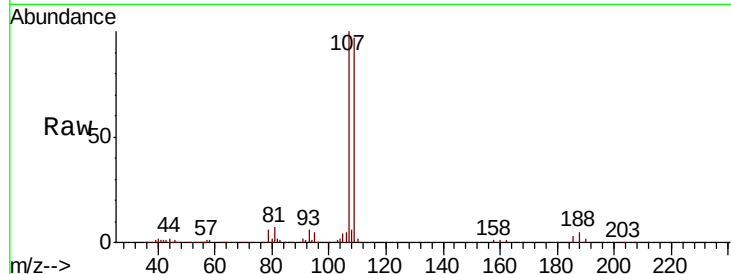




#50
 1,2-Dibromoethane
 Concen: 4.699 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

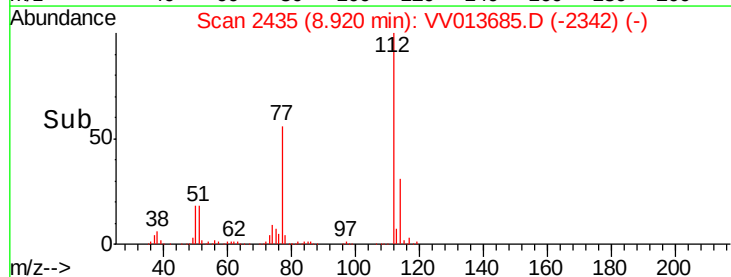
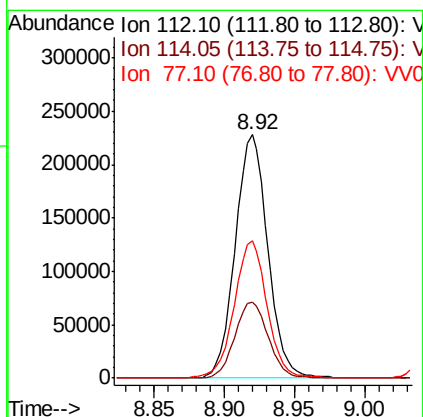
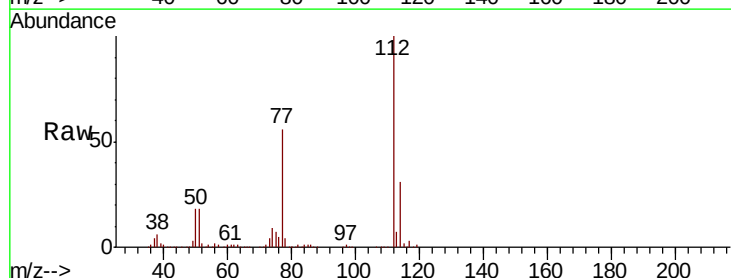
Instrument :
 MSVOA_V
 ClientSampleId :

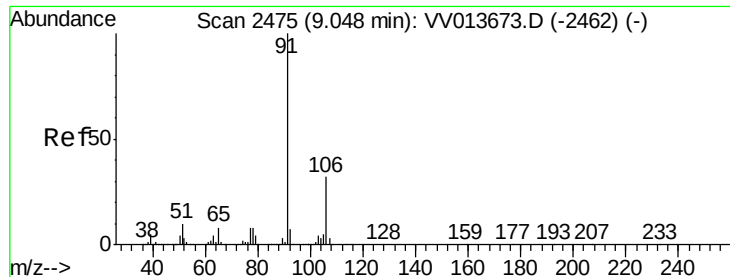
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	66.5	123.5
188	4.5	3.6	5.4



#51
 Chlorobenzene
 Concen: 4.802 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.8	42.4
77	56.2	45.0	67.4





#52

Ethylbenzene

Concen: 4.948 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

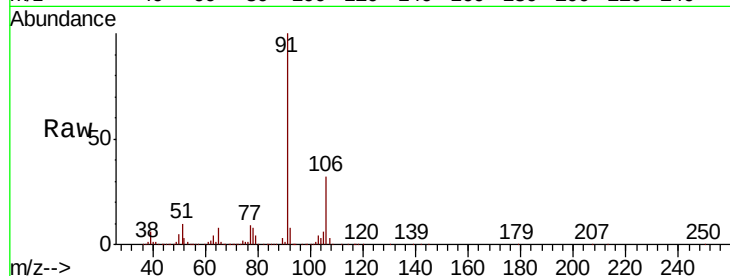
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 612133

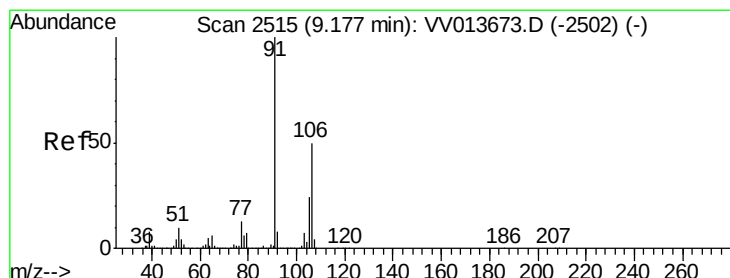
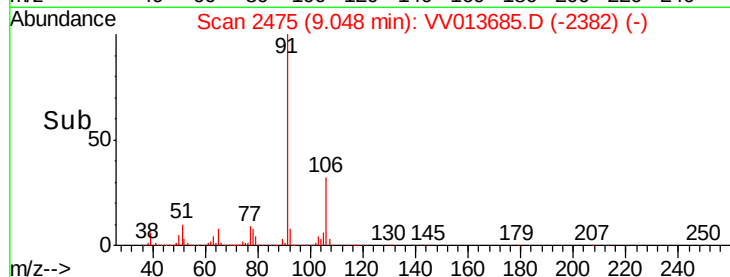
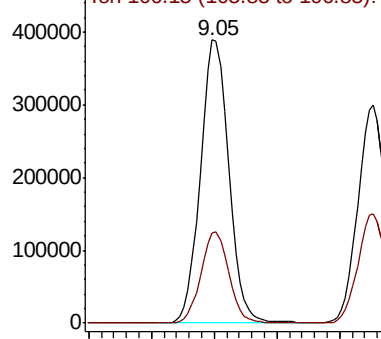
Ion Ratio Lower Upper

91 100

106 31.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013673.D (-2462) (-)



#53

m,p-xylene

Concen: 5.203 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013685.D

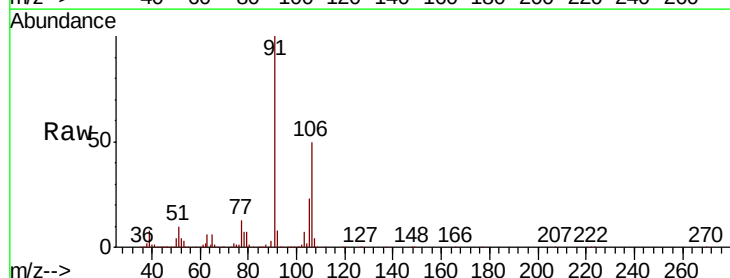
Acq: 20 Nov 2019 10:42

Tgt Ion: 106 Resp: 242726

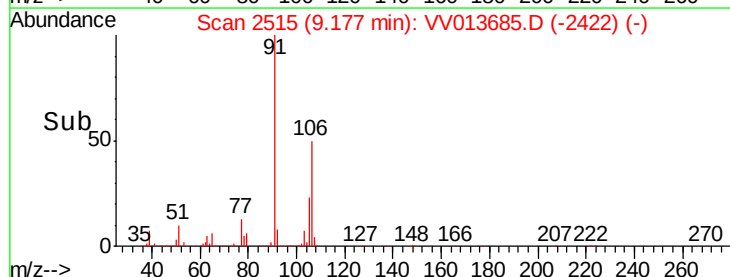
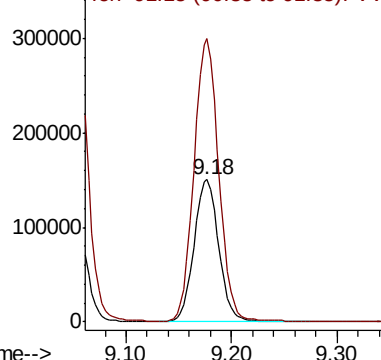
Ion Ratio Lower Upper

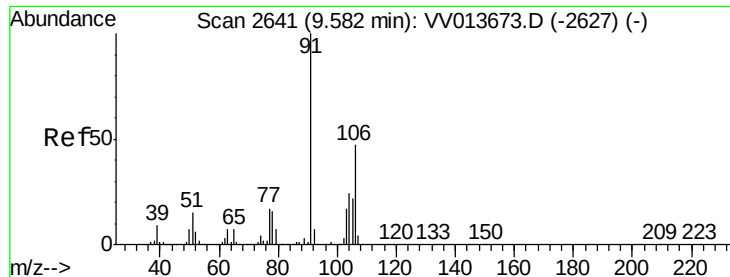
106 100

91 198.9 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013673.D (-2502) (-)





#54

o-xylene

Concen: 5.061 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

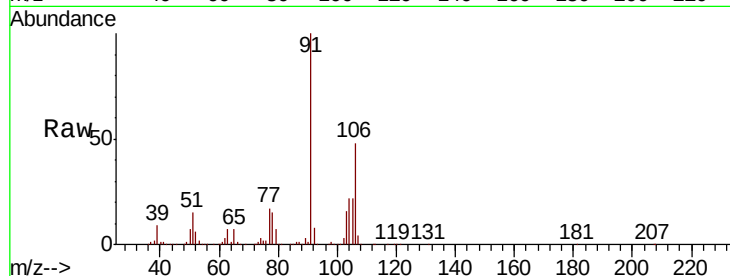
ClientSampleId :

Tot Ion:106 Resp: 227109

Ion Ratio Lower Upper

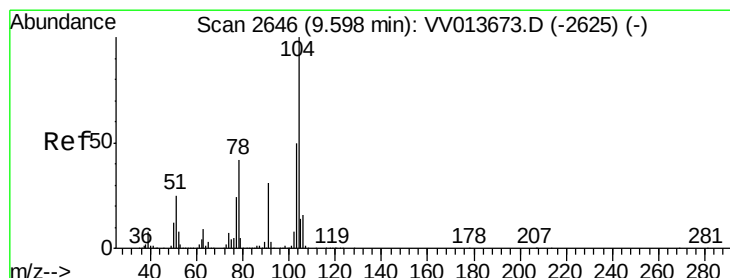
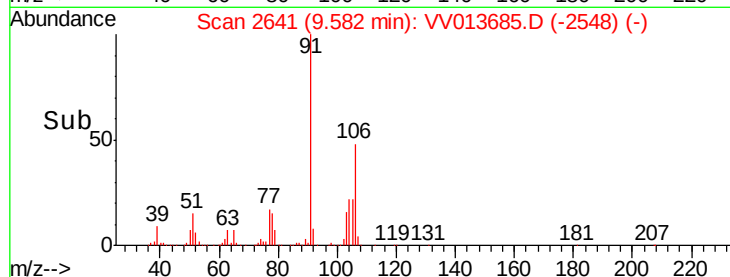
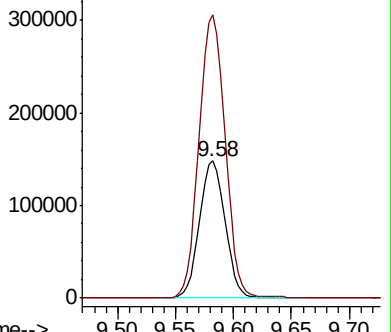
106 100

91 206.3 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.157 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013685.D

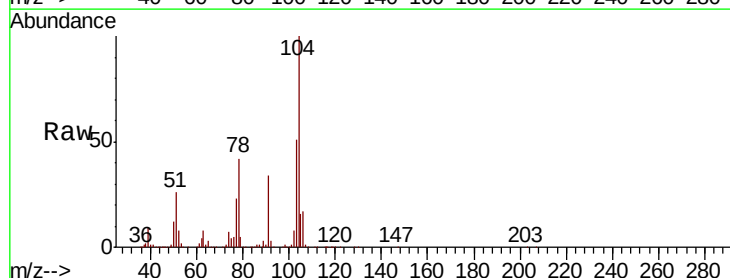
Acq: 20 Nov 2019 10:42

Tgt Ion:104 Resp: 391406

Ion Ratio Lower Upper

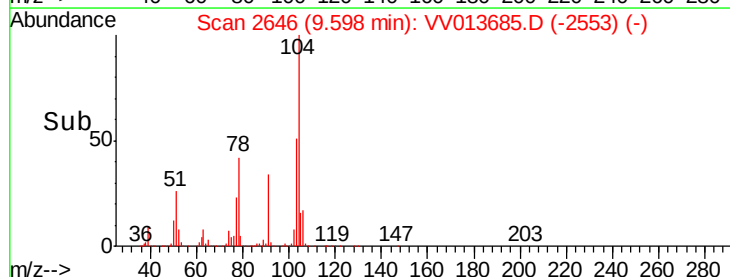
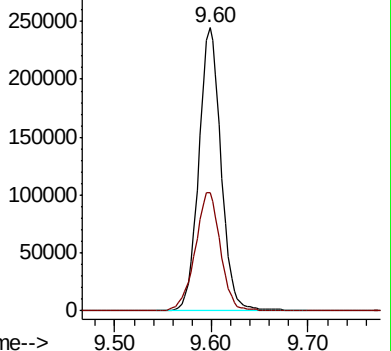
104 100

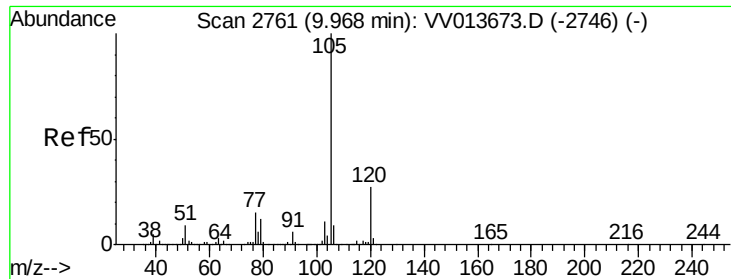
78 41.8 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.119 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

ClientSampled :

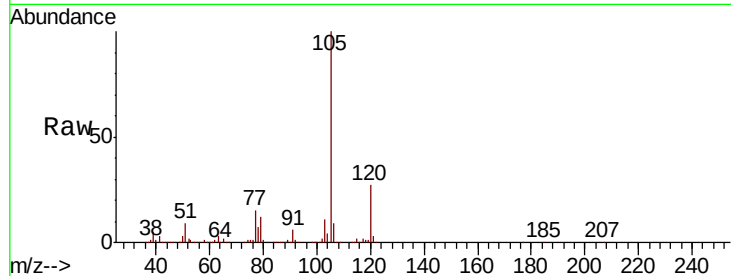
Tot Ion:105 Resp: 610770

Ion Ratio Lower Upper

105 100

120 26.7 21.2 31.8

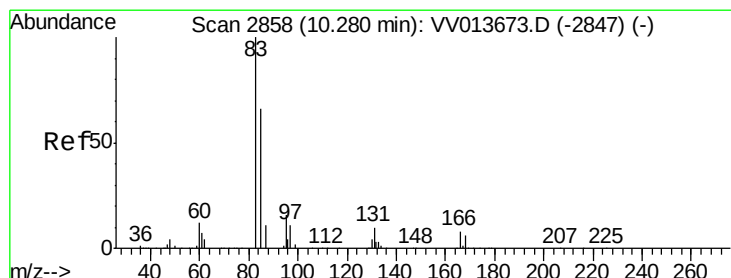
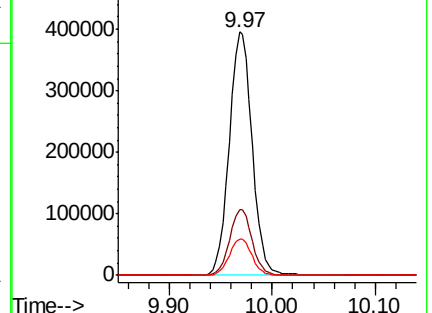
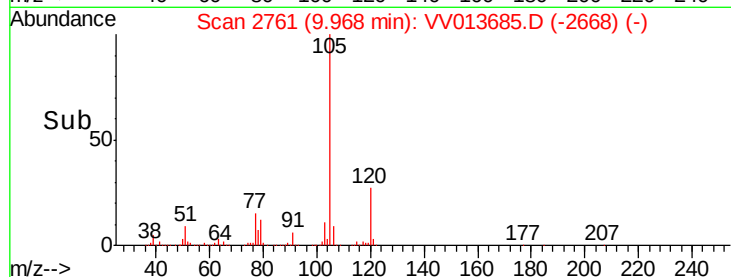
77 14.9 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.819 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

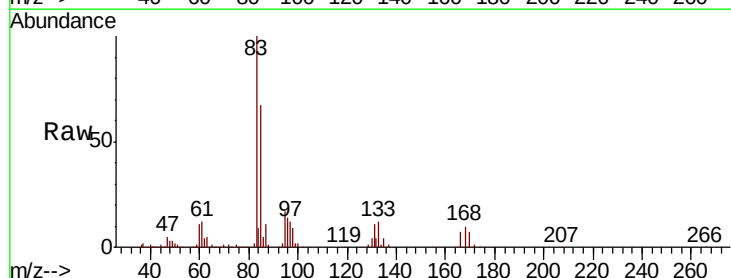
Tgt Ion: 83 Resp: 100285

Ion Ratio Lower Upper

83 100

85 66.7 43.0 80.0

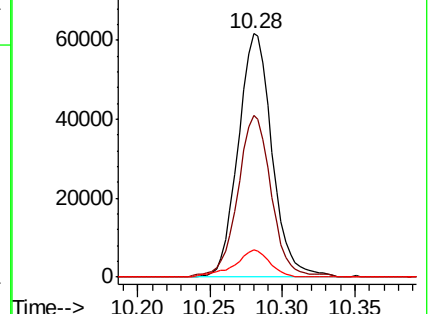
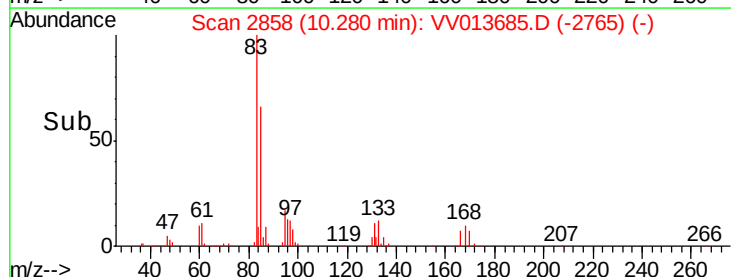
131 11.0 8.3 12.5

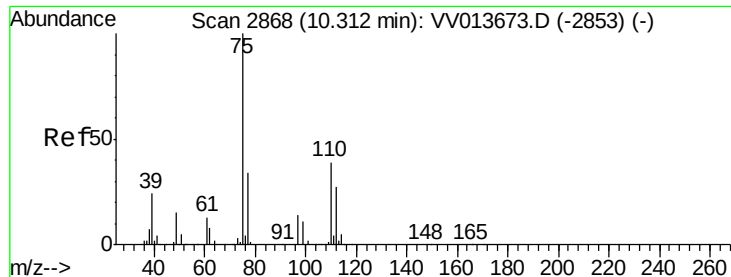


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.767 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

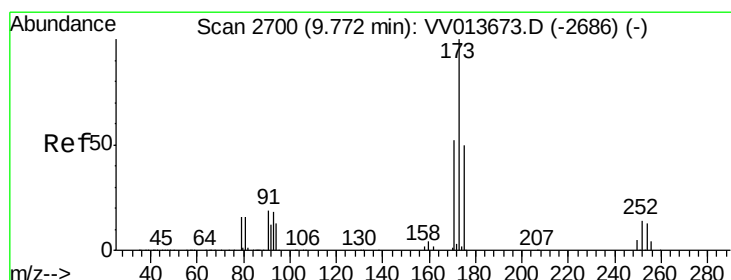
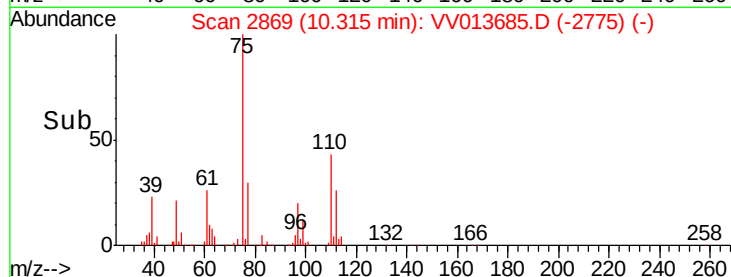
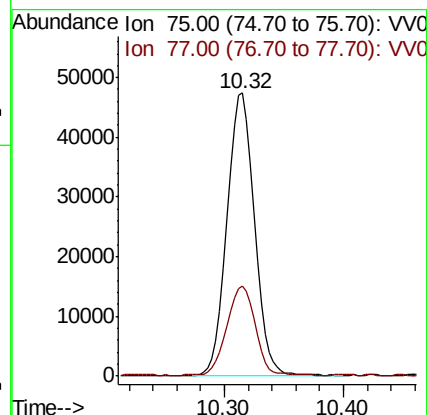
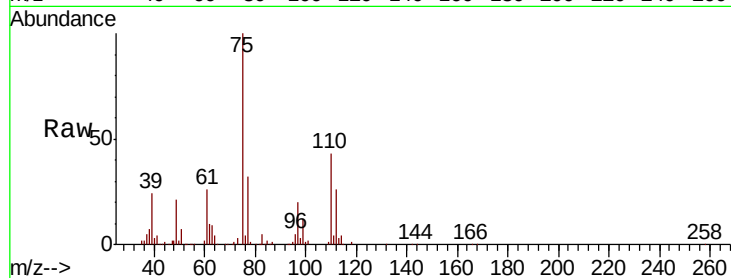
ClientSampled :

Tot Ion: 75 Resp: 76642

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#61

Bromoform

Concen: 4.936 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

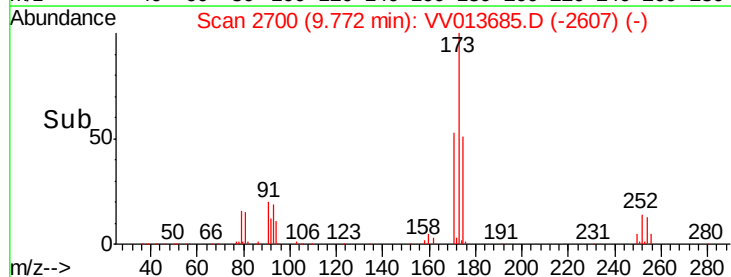
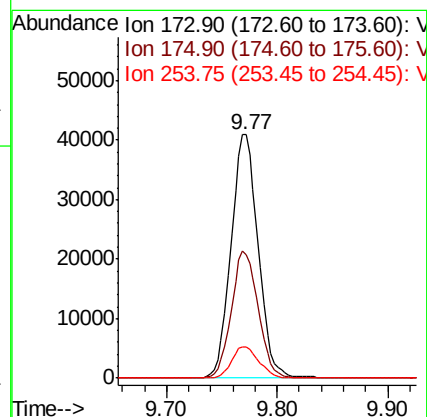
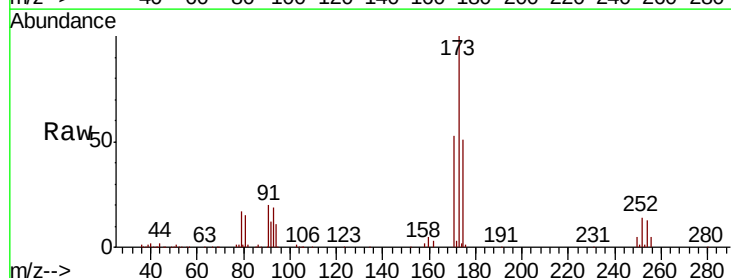
Tgt Ion: 173 Resp: 69723

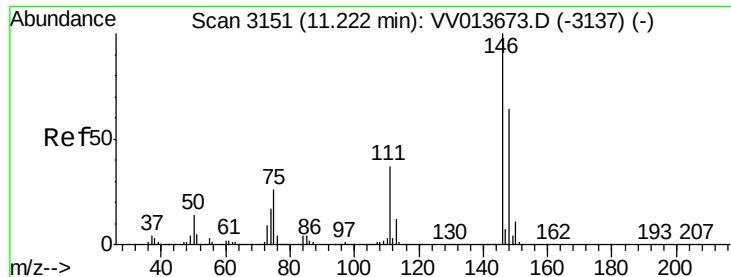
Ion Ratio Lower Upper

173 100

175 51.4 38.2 57.2

254 12.8 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 4.903 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

ClientSampled :

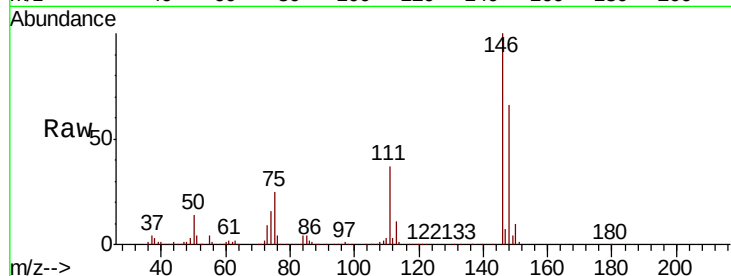
Tot Ion:146 Resp: 310078

Ion Ratio Lower Upper

146 100

111 37.0 26.2 48.6

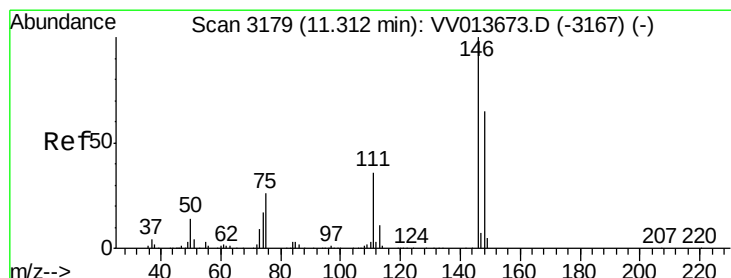
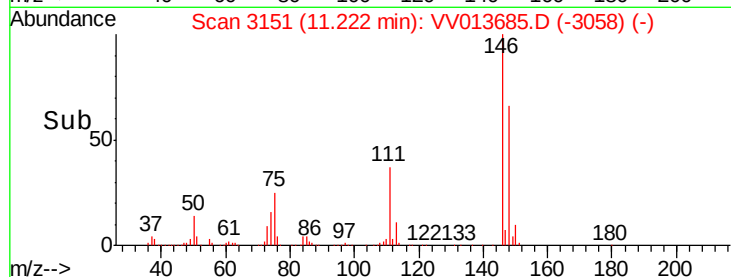
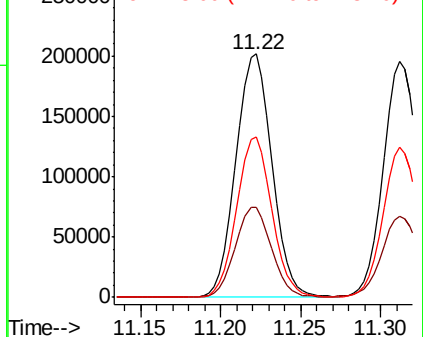
148 65.9 44.4 82.5



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: 4.690 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

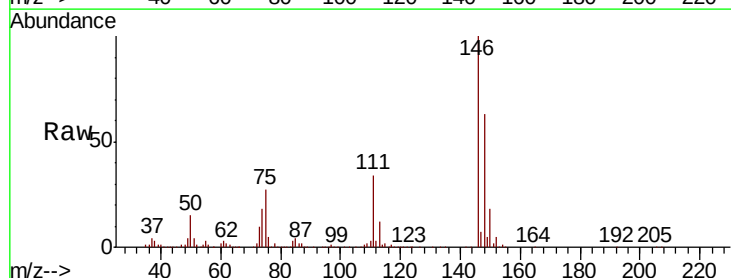
Tgt Ion:146 Resp: 301157

Ion Ratio Lower Upper

146 100

111 34.2 25.6 47.6

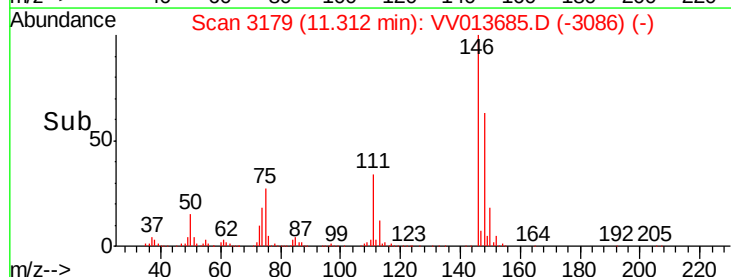
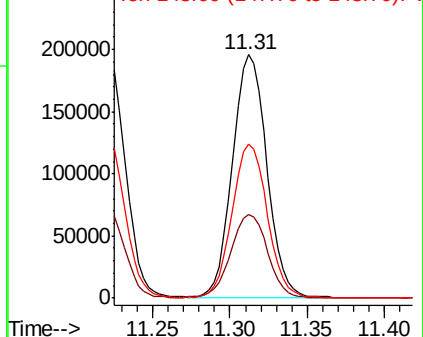
148 63.4 45.6 84.8

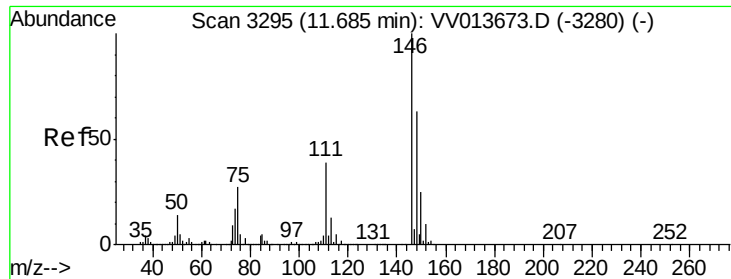


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

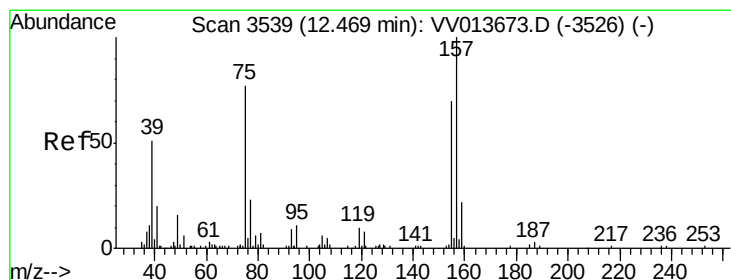
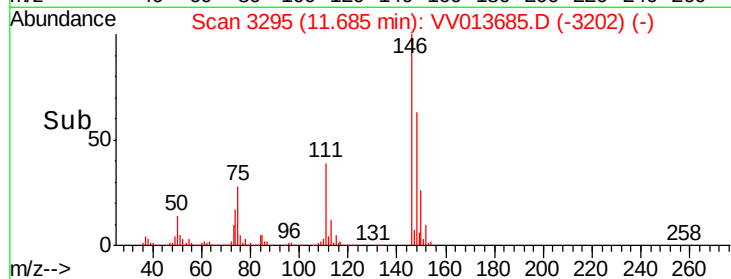
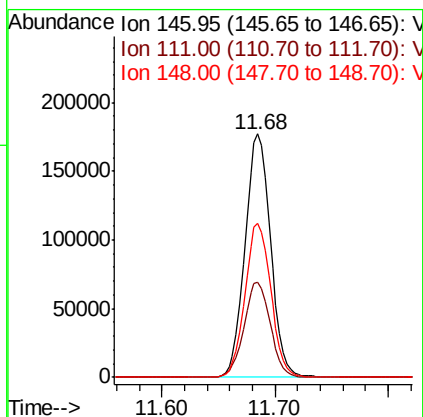
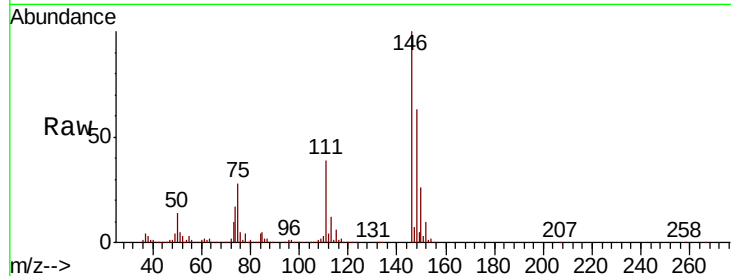




#65
 1,2-Dichlorobenzene
 Concen: 4.739 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

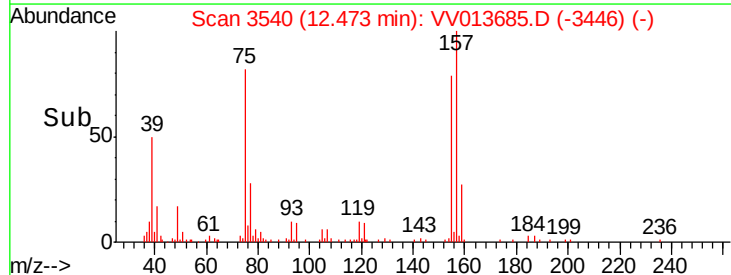
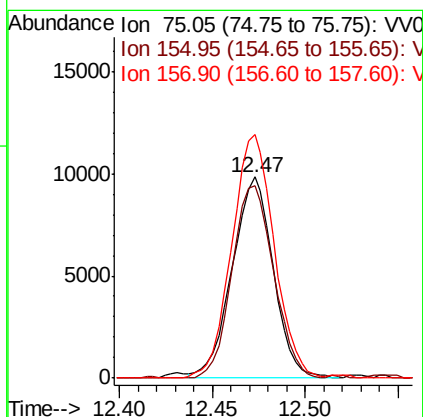
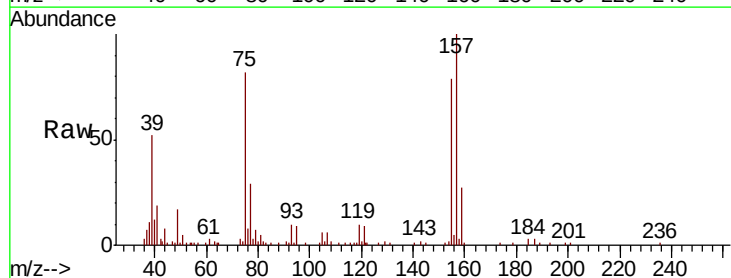
Instrument :
 MSVOA_V
 ClientSampleId :

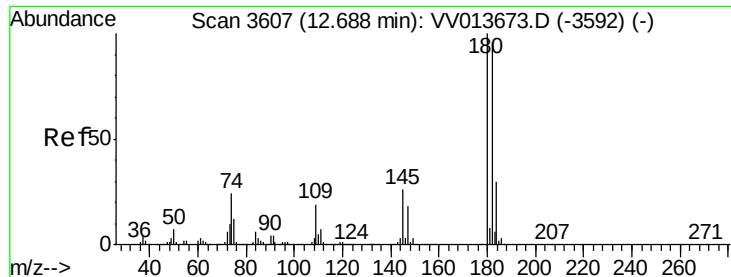
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	31.3	46.9
148	63.3	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.311 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	64.8	97.2
157	121.3	89.1	133.7

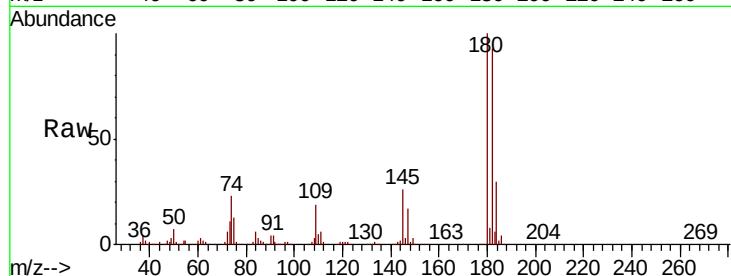




#67
 1,3,5-Trichlorobenzene
 Concen: 4.662 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.6
184	30.3	24.4	36.6
145	26.5	21.5	32.3



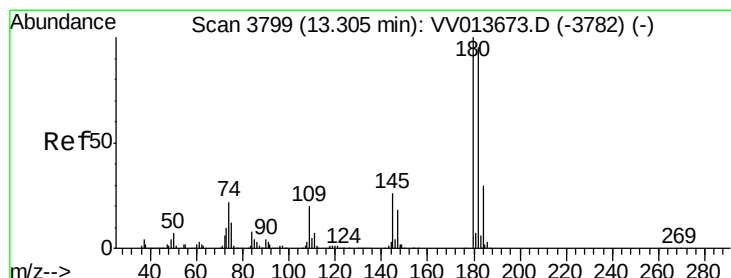
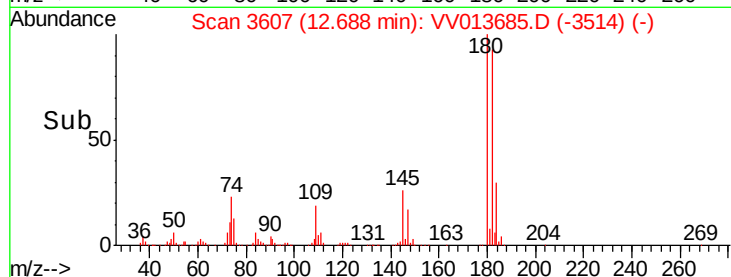
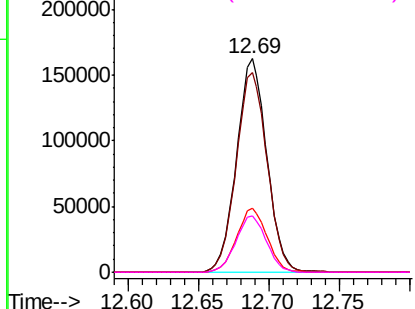
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

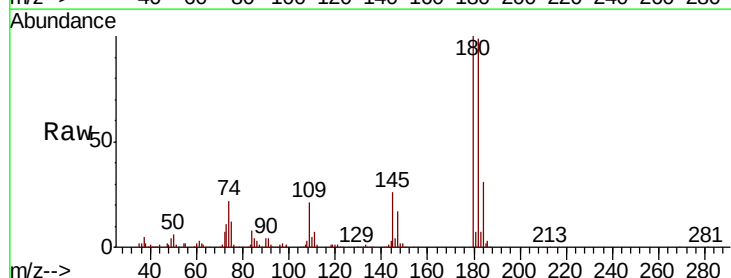
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.240 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013685.D
 Acq: 20 Nov 2019 10:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.2	115.8
145	27.1	22.6	33.8

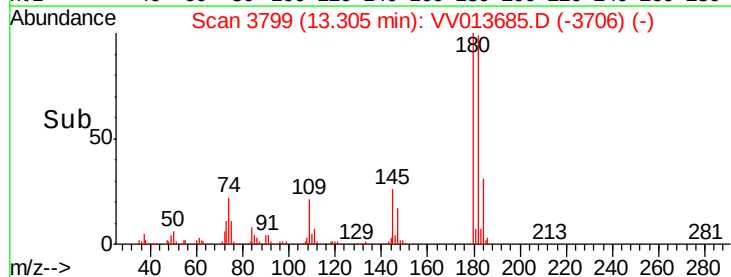
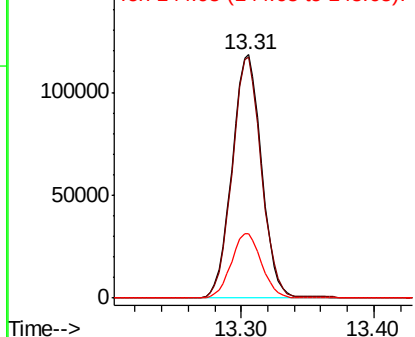


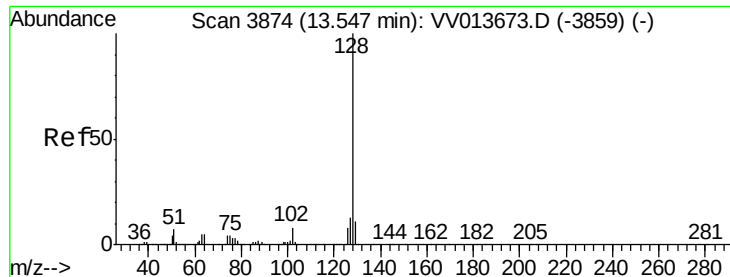
Abundance

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: 4.044 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

Instrument :

MSVOA_V

ClientSampleId :

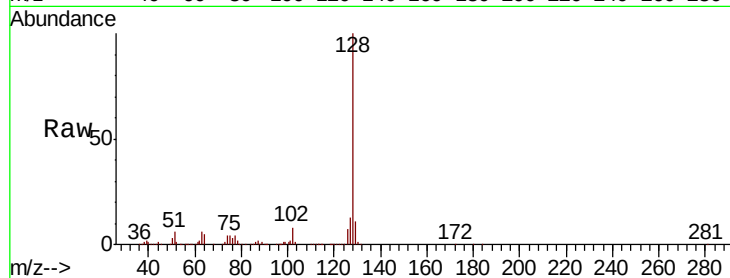
Tot Ion:128 Resp: 238170

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

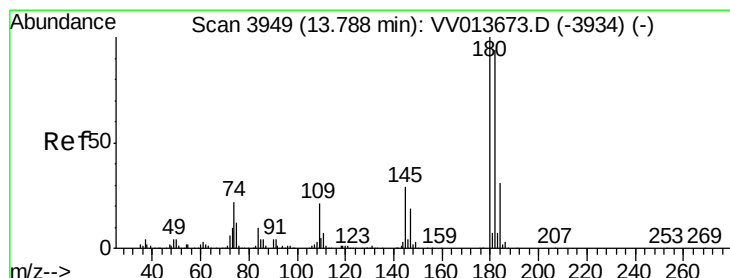
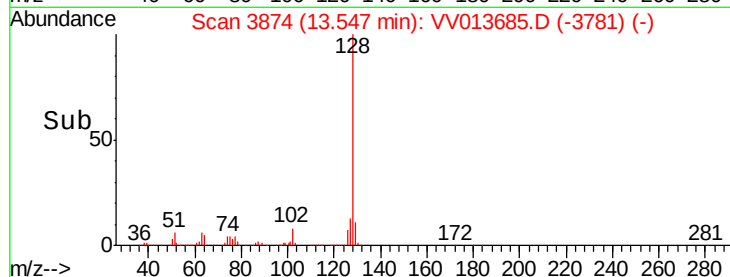
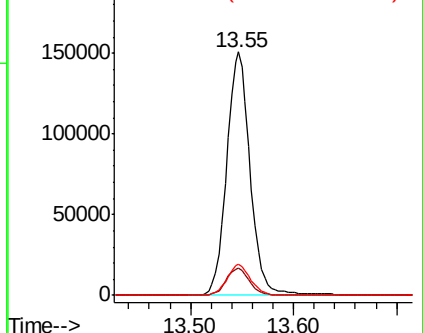
127 12.6 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.453 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013685.D

Acq: 20 Nov 2019 10:42

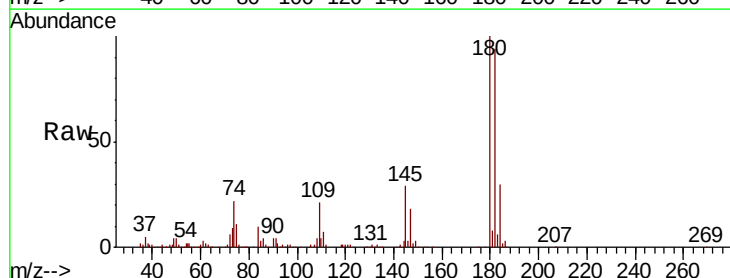
Tgt Ion:180 Resp: 175419

Ion Ratio Lower Upper

180 100

182 95.1 75.6 113.4

145 28.9 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

