

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013468.D
 Acq On : 01 Nov 2019 14:57
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 03:59:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:55:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	691621	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	668447	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	337548	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	253023	25.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.92%
7) Chloroethane-d5	1.58	69	195143	27.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.84%
10) 1,1-Dichloroethene-d2	1.85	63	185	0.01	ug/L	-0.28
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	3.95	46	229300	50.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.38%
24) Chloroform-d	4.40	84	469981	23.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.08	65	285944	25.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.00%
29) Benzene-d6	5.09	84	992335	25.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.16%
33) 1,2-Dichloropropane-d6	6.11	67	304931	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.88%
37) Toluene-d8	7.36	98	880629	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	7.66	79	126219	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.00%
39) 2-Hexanone-d5	8.13	63	117952	46.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	256866	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	340559	25.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	10053	0.932	ug/L 92
3) Chloromethane	1.25	50	9757	0.887	ug/L 98
5) Vinyl chloride	1.32	62	10407	0.967	ug/L # 49
6) Bromomethane	1.54	94	5466	1.080	ug/L 99
9) Trichlorofluoromethane	1.77	101	12686	0.861	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10608	1.206	ug/L # 69
13) Acetone	2.21	43	18731	3.508	ug/L 73
14) Carbon disulfide	2.32	76	25901	0.803	ug/L 100
16) Methylene chloride	2.53	84	31408	2.440	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	20988	0.769	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	8917	0.804	ug/L 99
23) Bromochloromethane	4.31	128	4875	0.871	ug/L 82
27) 1,2-Dichloroethane	5.18	62	12456	0.867	ug/L 98
30) Cyclohexane	4.72	56	13100	0.726	ug/L 98
31) 1,1,1-Trichloroethane	4.65	97	12869	0.759	ug/L 95
32) Carbon tetrachloride	4.87	117	11956	0.791	ug/L 99
34) Benzene	5.15	78	35448	0.808	ug/L 100

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

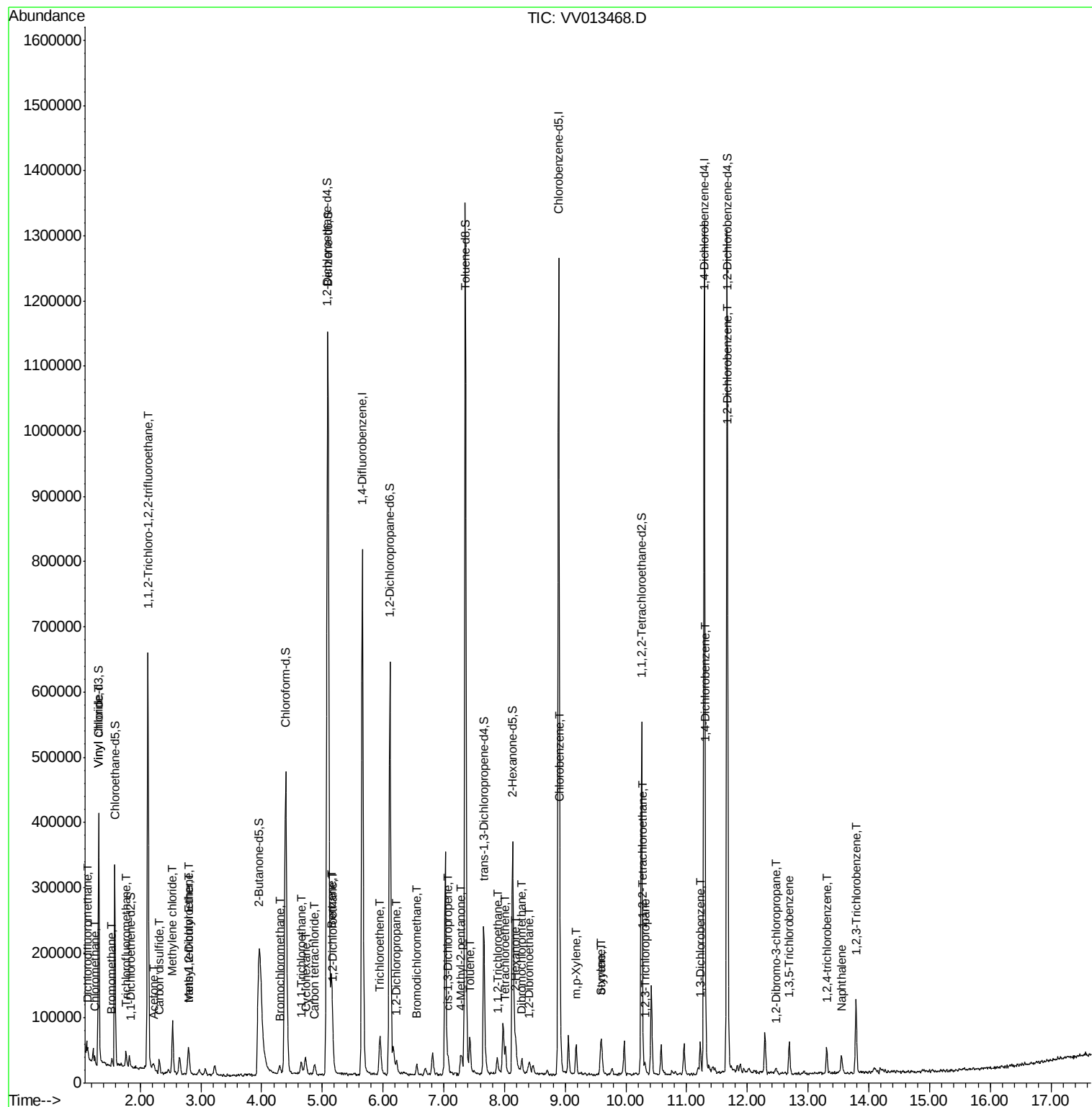
35) Trichloroethene	5.96	95	10868	0.918	ug/L	93
40) 1,2-Dichloropropane	6.22	63	8753	0.793	ug/L #	94
41) Bromodichloromethane	6.55	83	9994	0.703	ug/L #	98
42) cis-1,3-Dichloropropene	7.07	75	12508	0.764	ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	19023	1.866	ug/L #	93
44) Toluene	7.43	91	38628	0.862	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	7067	0.799	ug/L	87
47) Tetrachloroethene	8.02	164	8942	0.891	ug/L	84
49) 2-Hexanone	8.19	43	26938	3.630	ug/L	96
50) Dibromochloromethane	8.29	129	8121	0.768	ug/L	97
51) 1,2-Dibromoethane	8.39	107	6949	0.760	ug/L #	95
52) Chlorobenzene	8.92	112	25076	0.827	ug/L	99
54) m,p-Xylene	9.18	106	13568	0.731	ug/L	84
55) o-xylene	9.59	106	12158	0.692	ug/L	85
56) Styrene	9.60	104	18254	0.599	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	10080	0.888	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	7564	0.795	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	19665	0.844	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	22086	0.927	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	18812	0.869	ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.47	75	1918	0.963	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	15635	0.848	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	12231	0.779	ug/L	91
69) Naphthalene	13.55	128	22785	0.750	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	12516	0.851	ug/L	97

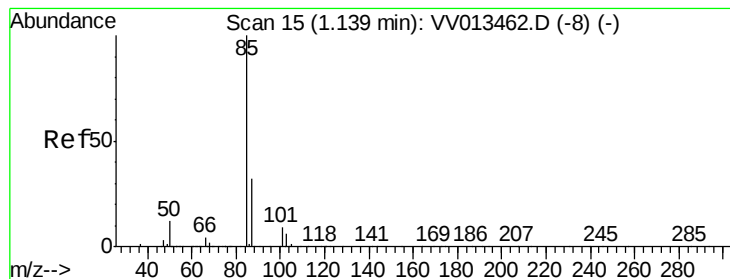
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.932 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

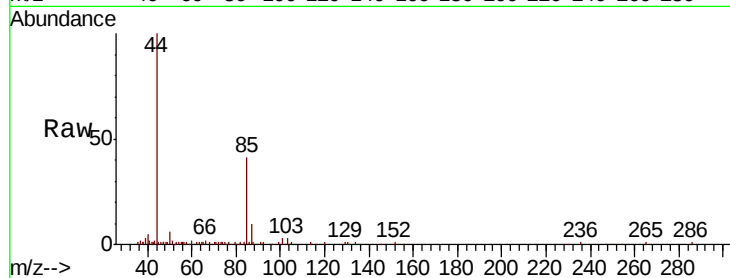
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 10053

Ion Ratio Lower Upper

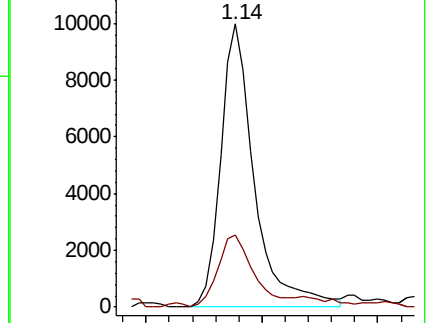
85 100

87 27.0 22.2 41.2

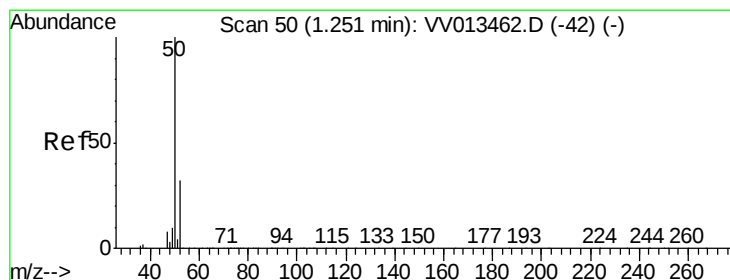
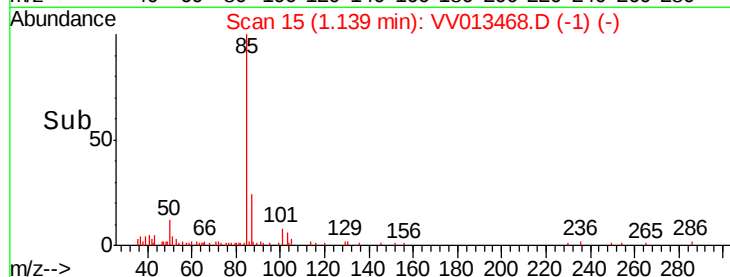


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 0.887 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013468.D

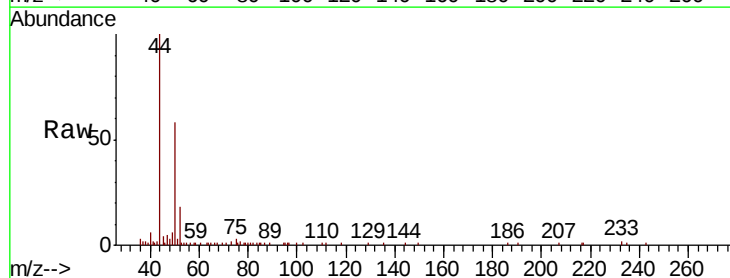
Acq: 01 Nov 2019 14:57

Tgt Ion: 50 Resp: 9757

Ion Ratio Lower Upper

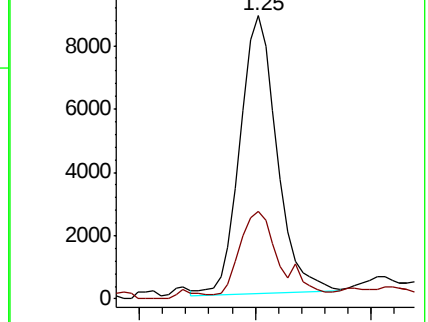
50 100

52 30.8 22.2 41.2

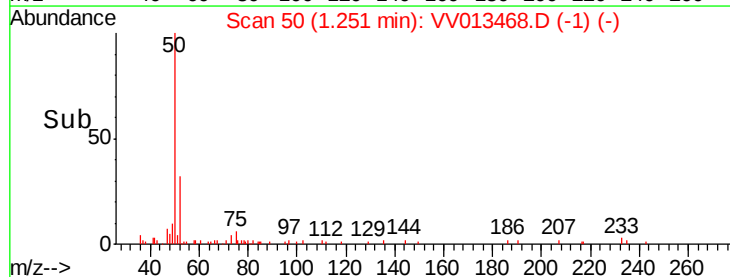


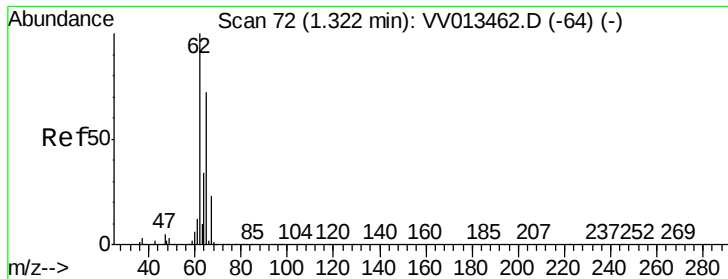
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 0.967 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

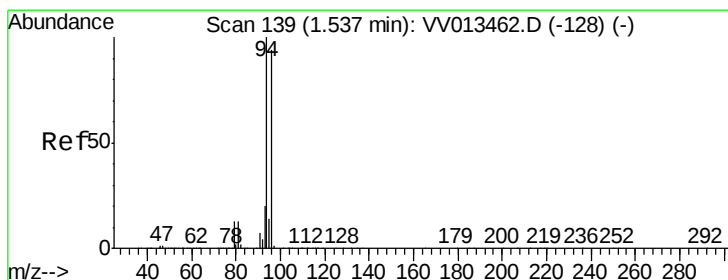
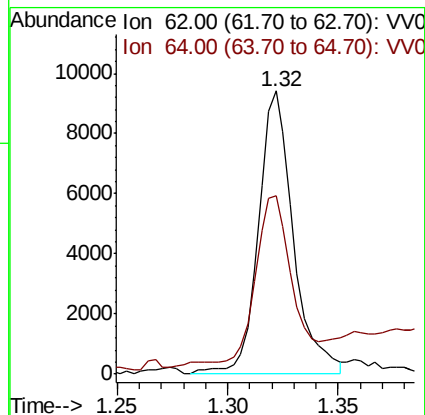
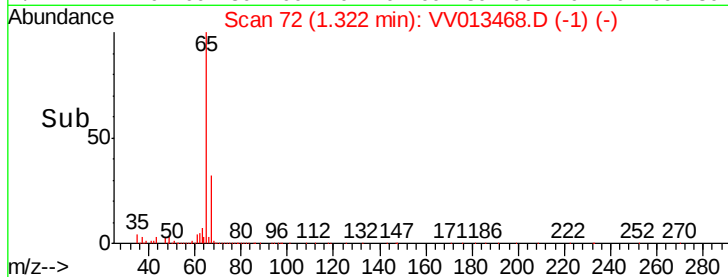
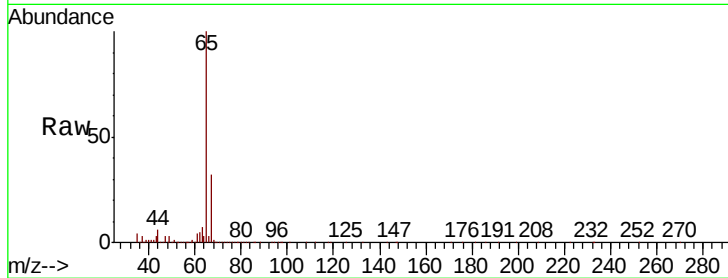
ClientSampleId :

Tot Ion: 62 Resp: 10407

Ion Ratio Lower Upper

62 100

64 63.2 23.8 44.2#



#6

Bromomethane

Concen: 1.080 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013468.D

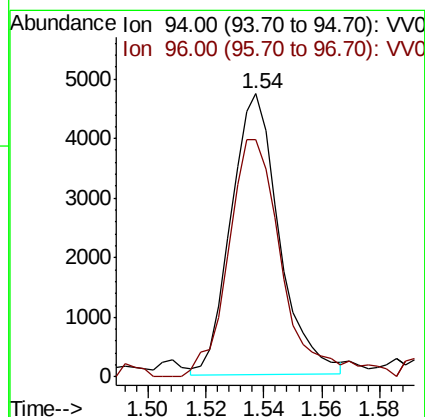
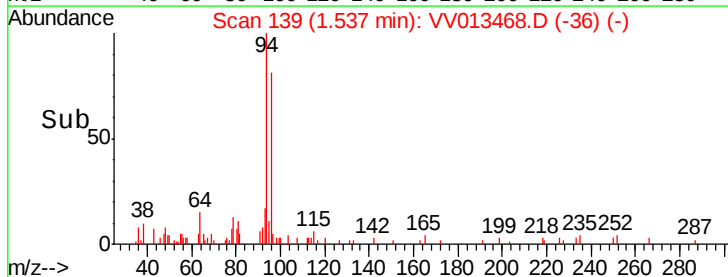
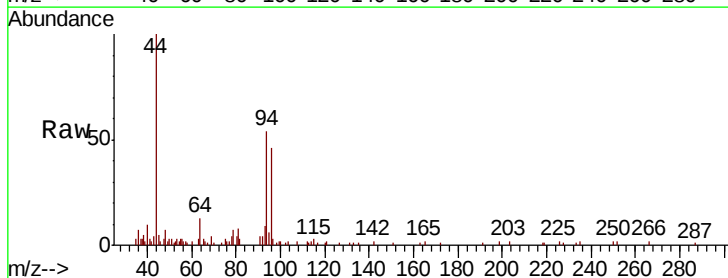
Acq: 01 Nov 2019 14:57

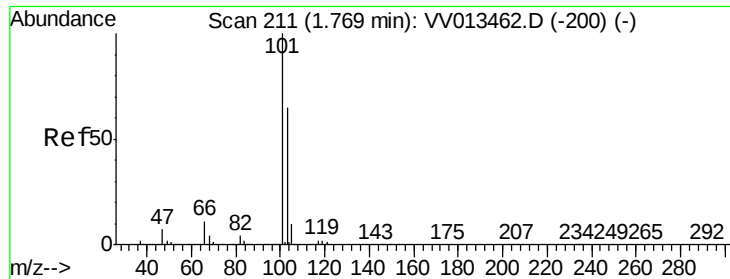
Tgt Ion: 94 Resp: 5466

Ion Ratio Lower Upper

94 100

96 92.3 9.4 177.8



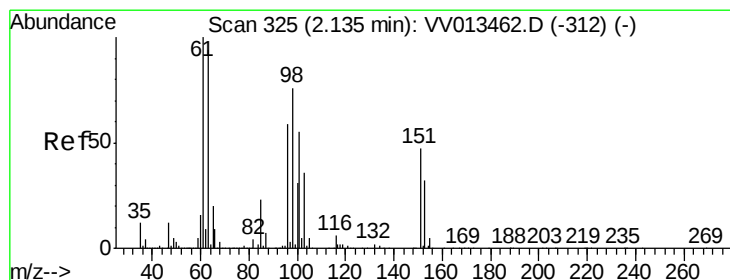
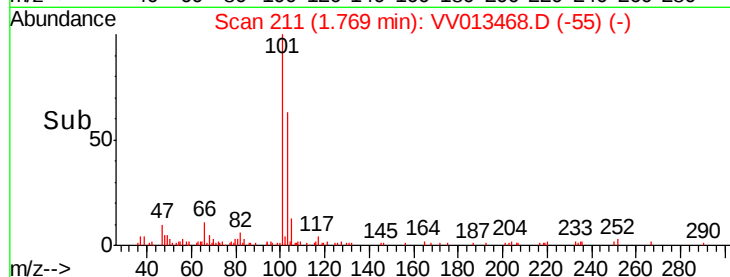
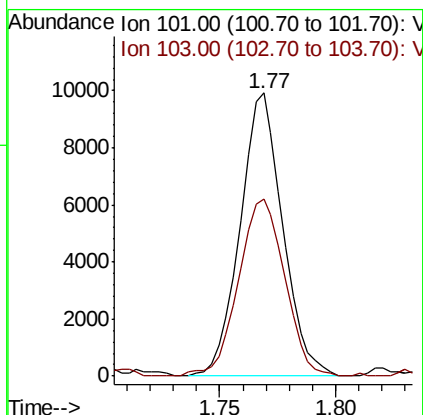
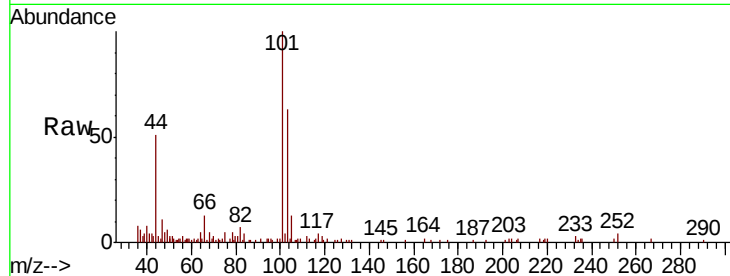


#9

Trichlorofluoromethane
Concen: 0.861 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :

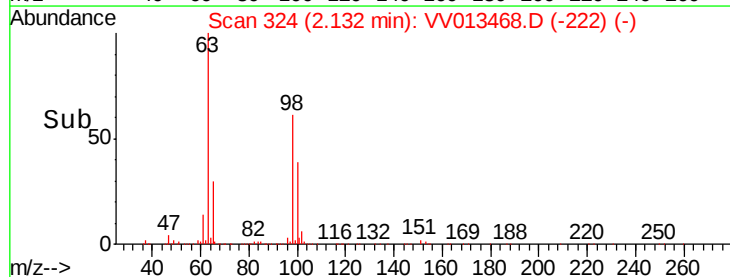
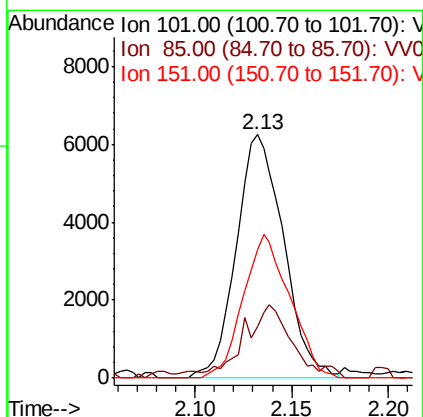
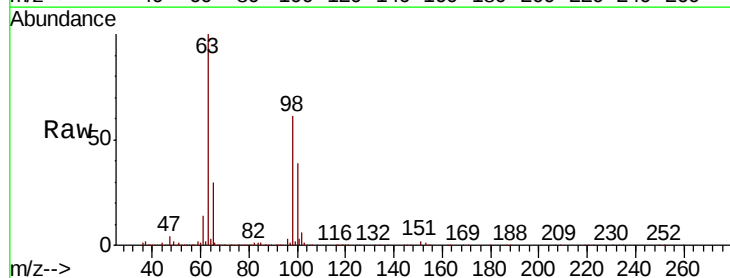
Tot Ion:101 Resp: 12686
Ion Ratio Lower Upper
101 100
103 67.6 45.1 83.9

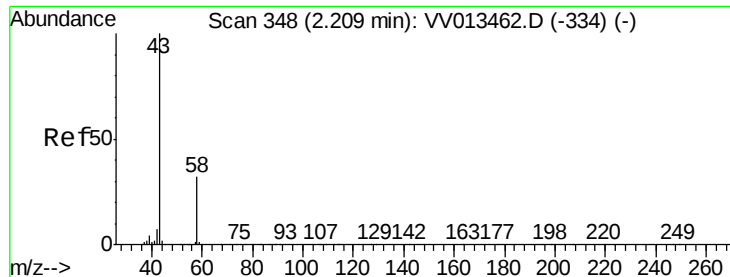


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.206 ug/L
RT: 2.13 min Scan# 324
Delta R.T. -0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion:101 Resp: 10608
Ion Ratio Lower Upper
101 100
85 20.5 33.1 49.7#
151 58.4 68.3 102.5#





#13

Acetone

Concen: 3.508 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

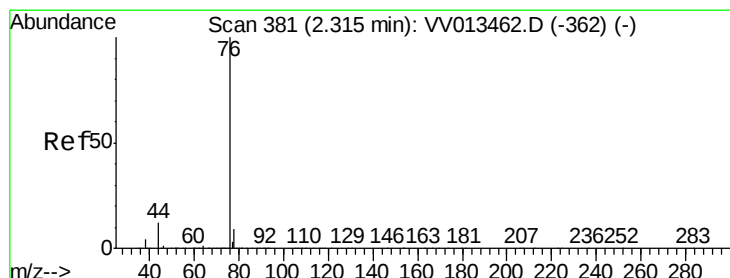
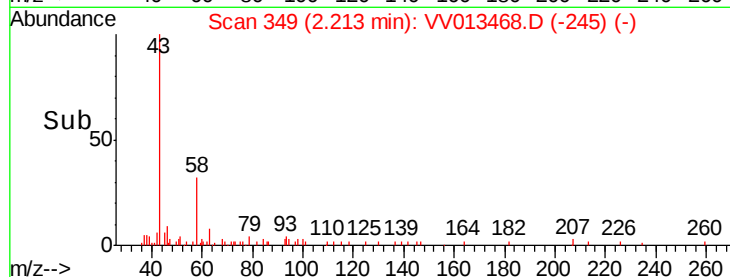
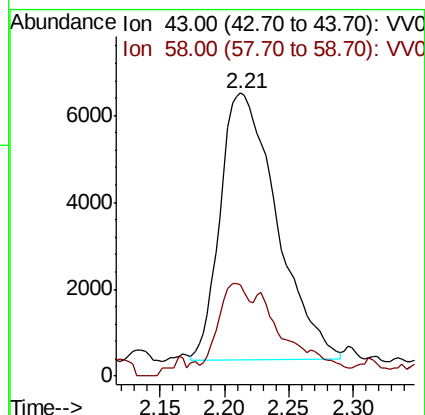
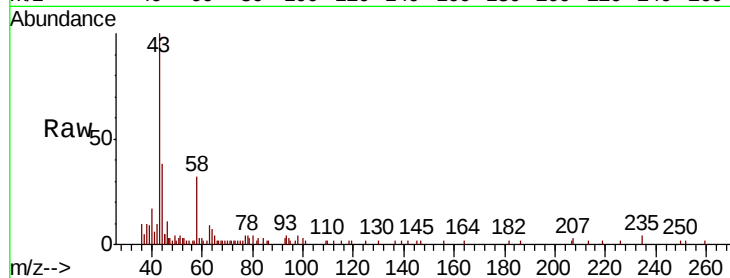
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 18731

Ion Ratio Lower Upper

43 100

58 16.8 0.0 63.2



#14

Carbon disulfide

Concen: 0.803 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013468.D

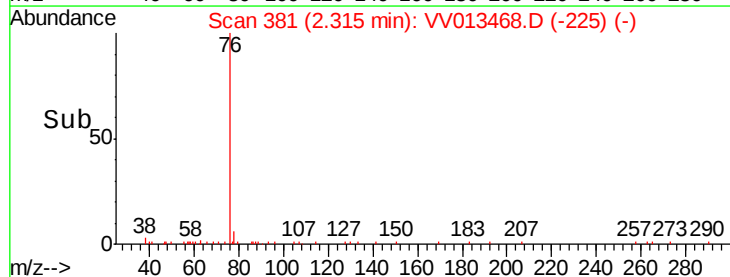
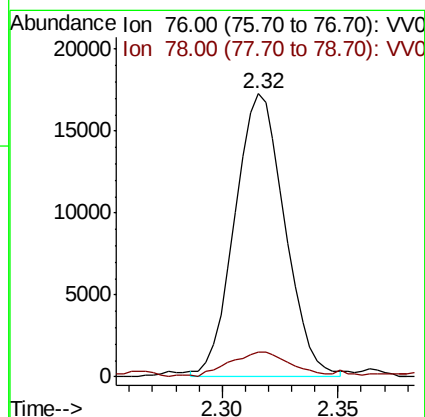
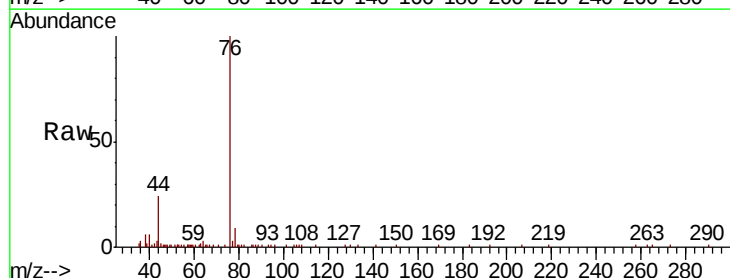
Acq: 01 Nov 2019 14:57

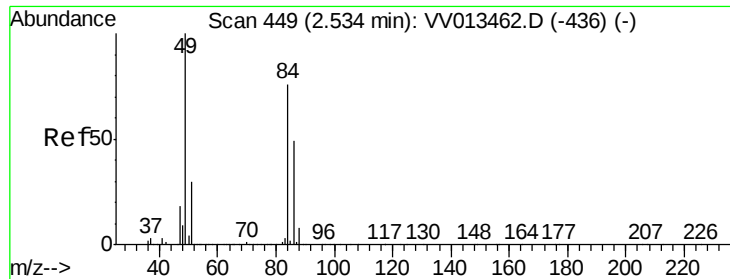
Tgt Ion: 76 Resp: 25901

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

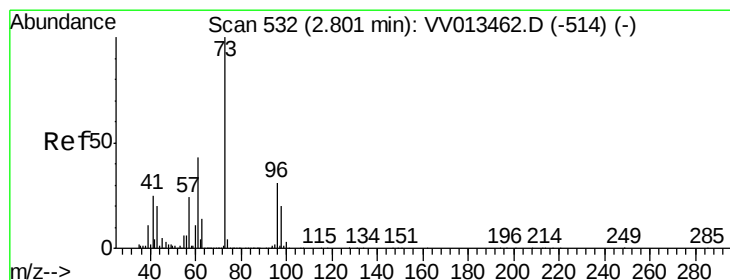
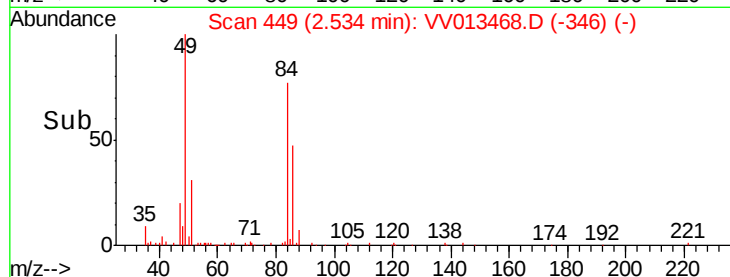
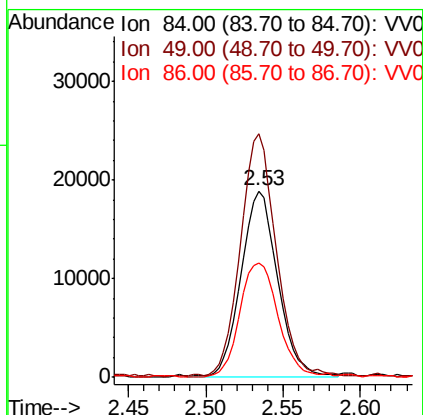
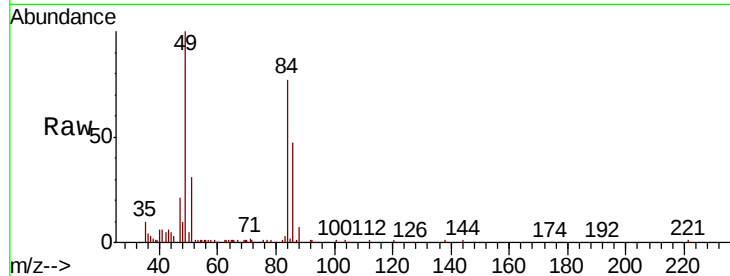




#16
Methylene chloride
Concen: 2.440 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

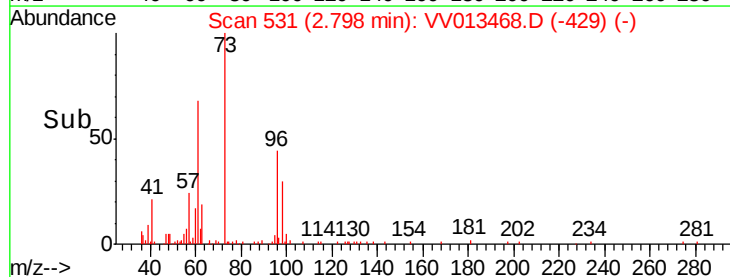
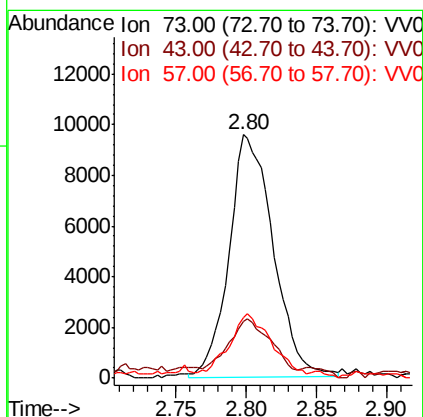
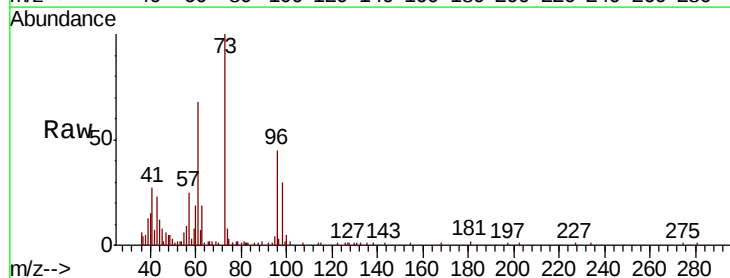
Instrument :
MSVOA_V
ClientSampleId :

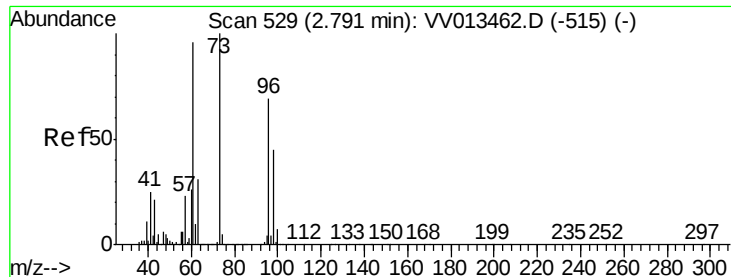
Tot Ion: 84 Resp: 31408
Ion Ratio Lower Upper
84 100
49 130.6 92.4 171.6
86 61.0 45.1 83.7



#17
Methyl tert-butyl Ether
Concen: 0.769 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion: 73 Resp: 20988
Ion Ratio Lower Upper
73 100
43 18.4 16.2 24.2
57 23.1 18.6 27.8





#18

trans-1,2-Dichloroethene

Concen: 0.804 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :

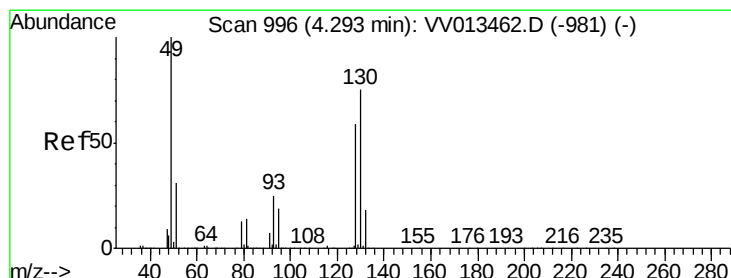
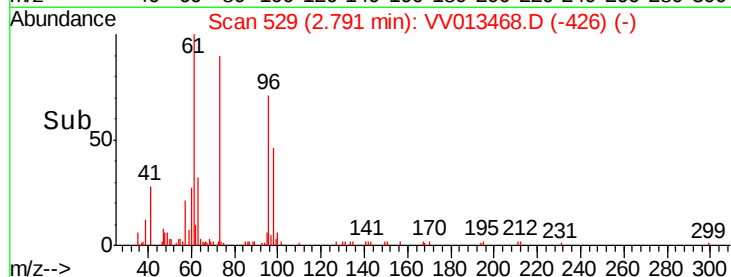
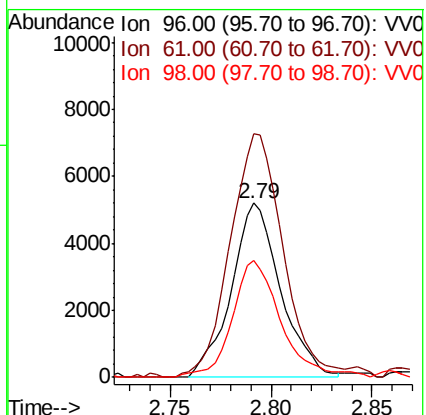
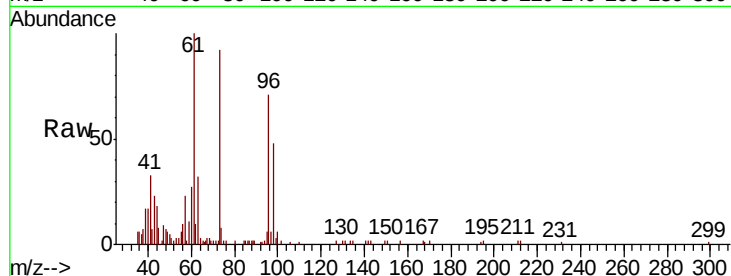
Tot Ion: 96 Resp: 8917

Ion Ratio Lower Upper

96 100

61 139.9 98.0 182.0

98 67.0 45.6 84.8



#23

Bromochloromethane

Concen: 0.871 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.02 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion:128 Resp: 4875

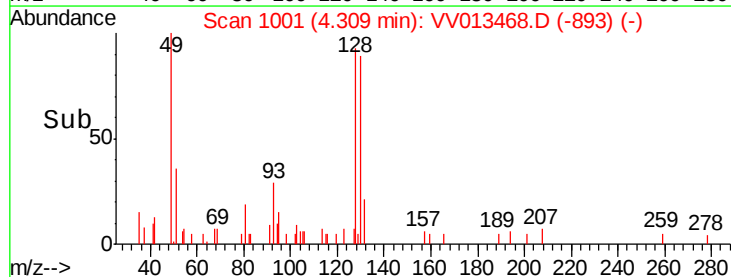
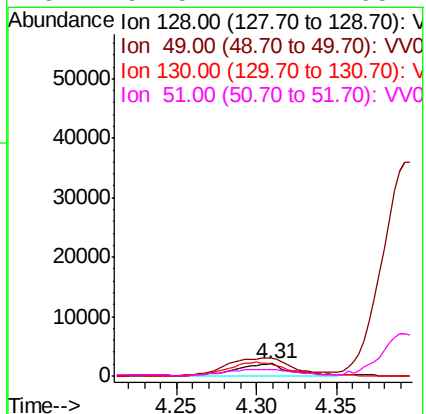
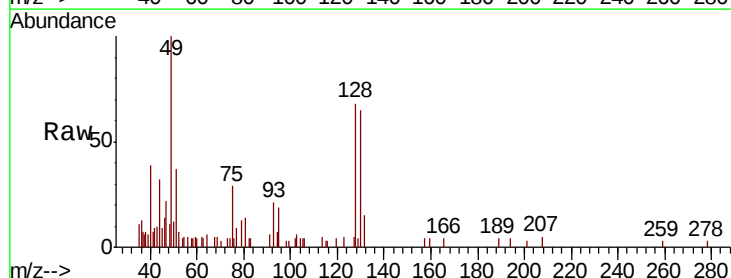
Ion Ratio Lower Upper

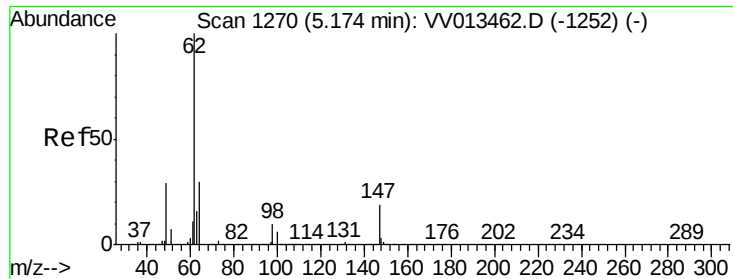
128 100

49 147.8 118.2 219.4

130 96.6 89.0 165.4

51 54.5 42.2 63.4

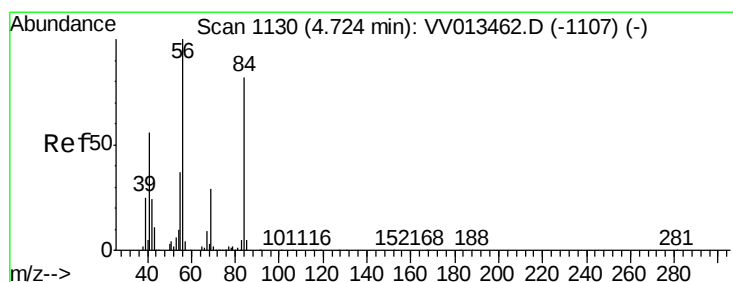
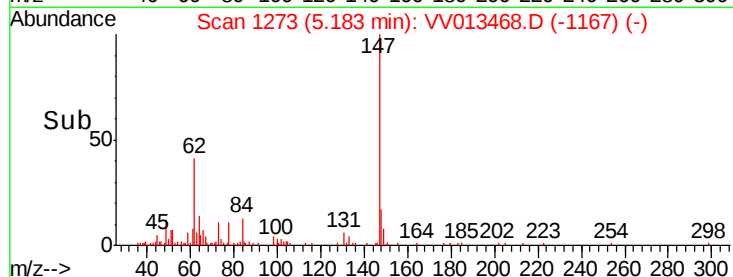
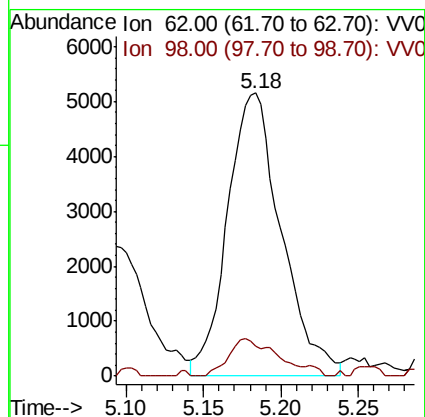
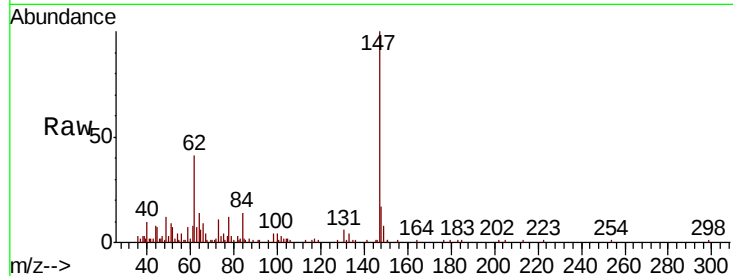




#27
 1,2-Dichloroethane
 Concen: 0.867 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

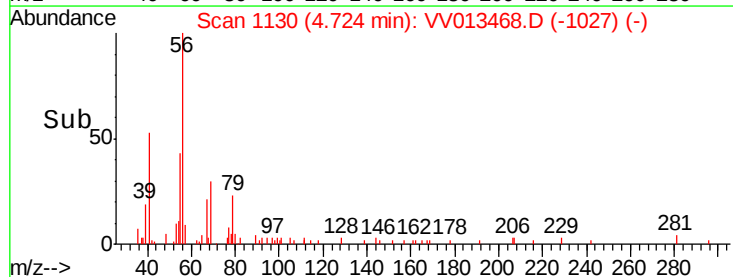
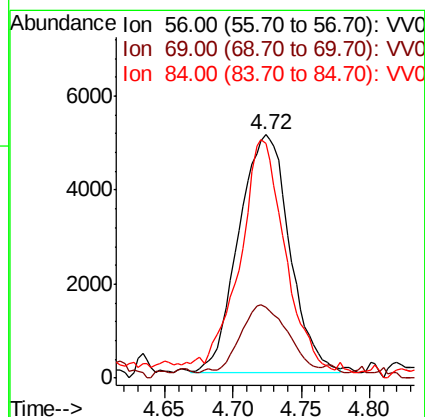
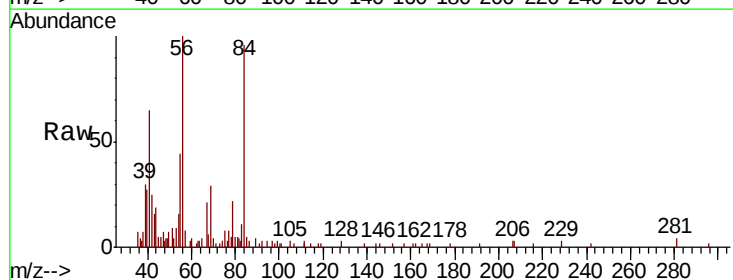
Instrument :
 MSVOA_V
 ClientSampled :

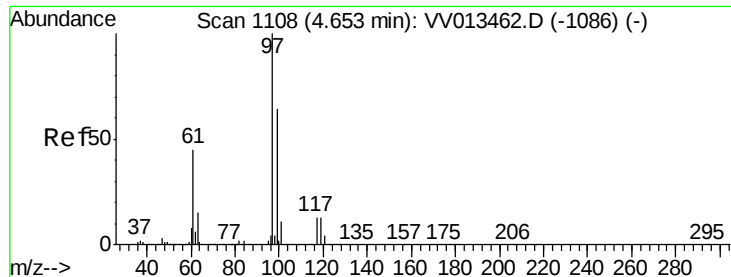
Tot Ion: 62 Resp: 12456
 Ion Ratio Lower Upper
 62 100
 98 10.6 7.8 11.6



#30
 Cyclohexane
 Concen: 0.726 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion: 56 Resp: 13100
 Ion Ratio Lower Upper
 56 100
 69 30.4 23.0 34.6
 84 83.7 66.2 99.4





#31

1,1,1-Trichloroethane

Concen: 0.759 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

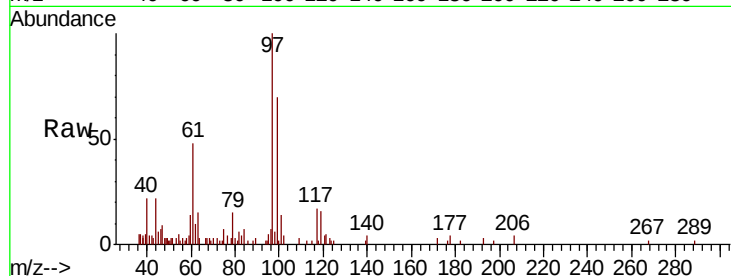
Tot Ion: 97 Resp: 12869

Ion Ratio Lower Upper

97 100

99 63.3 51.1 76.7

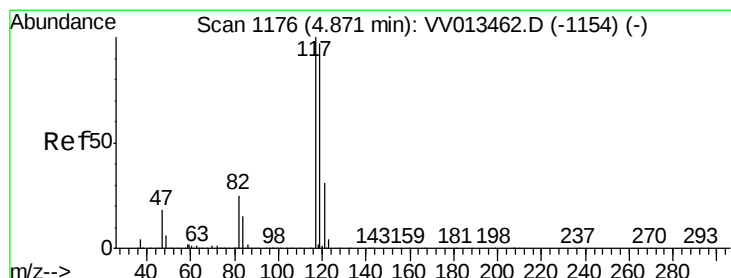
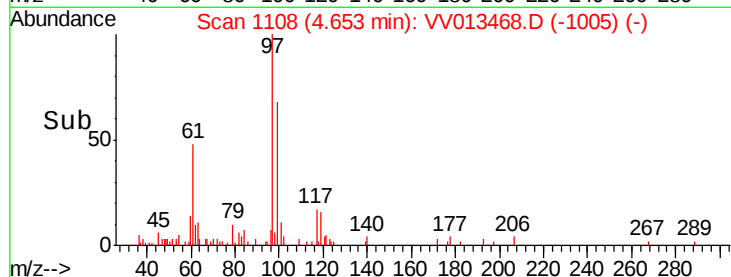
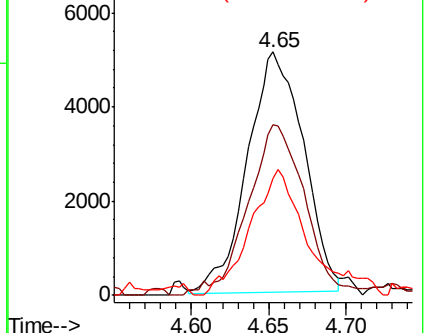
61 37.8 36.3 54.5



Abundance Ion 97.00 (96.70 to 97.70): VV013468.D (-1086) (-)

Ion 99.00 (98.70 to 99.70): VV013468.D (-1086) (-)

Ion 61.00 (60.70 to 61.70): VV013468.D (-1086) (-)



#32

Carbon tetrachloride

Concen: 0.791 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013468.D

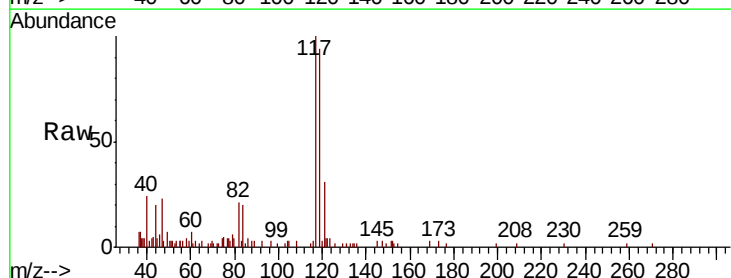
Acq: 01 Nov 2019 14:57

Tgt Ion: 117 Resp: 11956

Ion Ratio Lower Upper

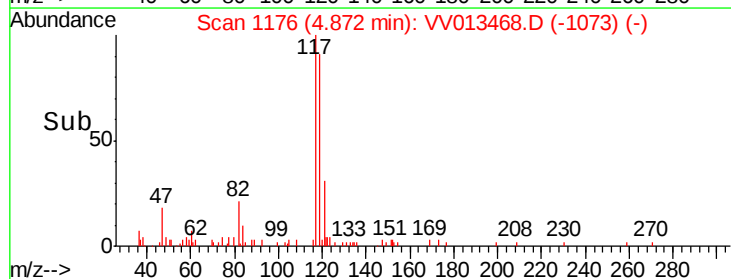
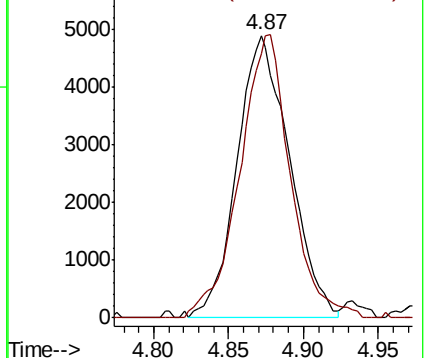
117 100

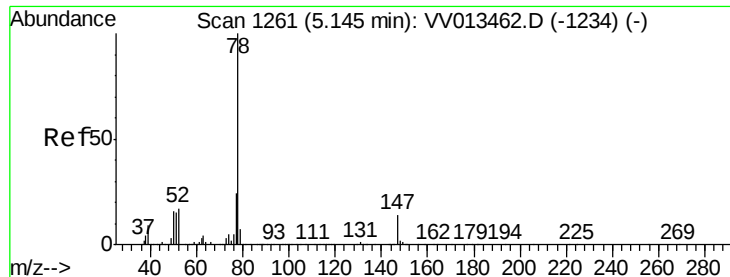
119 95.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): VV013468.D (-1073) (-)

Ion 119.00 (118.70 to 119.70): VV013468.D (-1073) (-)





#34

Benzene

Concen: 0.808 ug/L

RT: 5.15 min Scan# 1262

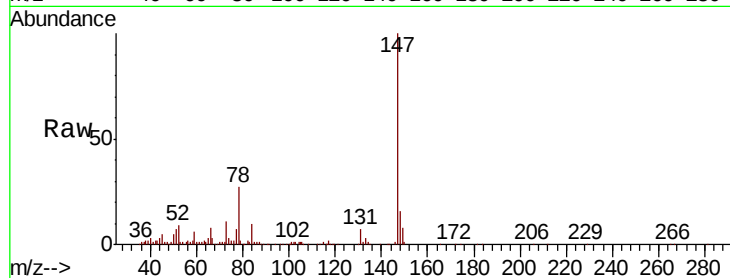
Delta R.T. 0.00 min

Lab File: VV013468.D

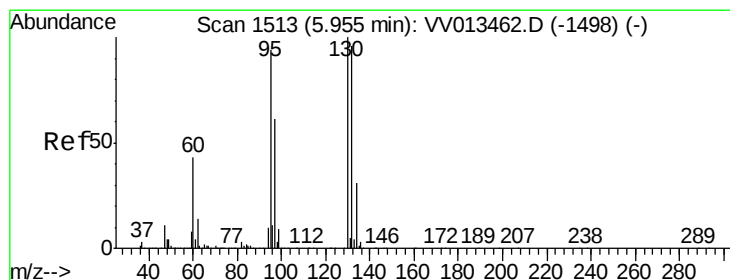
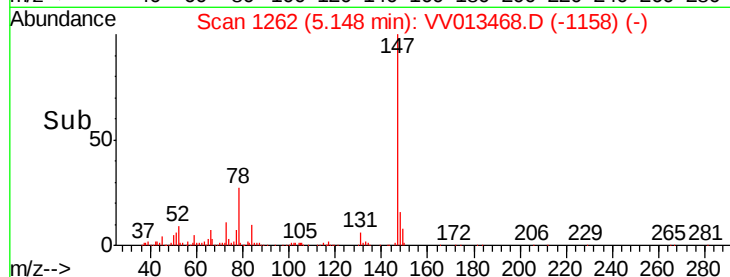
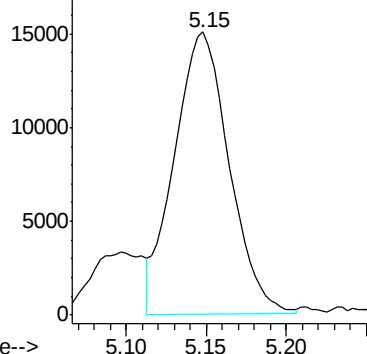
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 35448



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 0.918 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion: 95 Resp: 10868

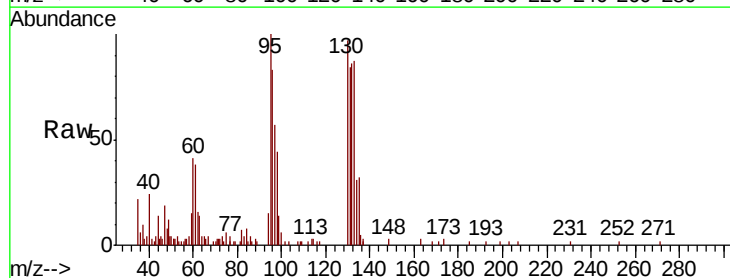
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.7	83.1
132	91.4	71.0	131.8
130	96.8	74.1	137.7

Abundance Ion 95.00 (94.70 to 95.70): VV0

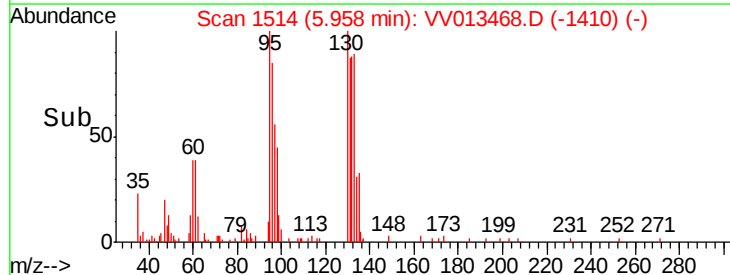
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



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

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

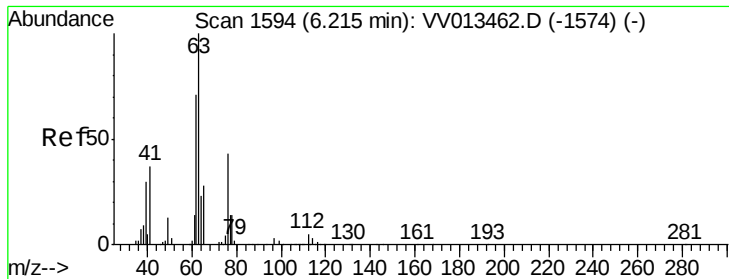
Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#40

1,2-Dichloropropane

Concen: 0.793 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

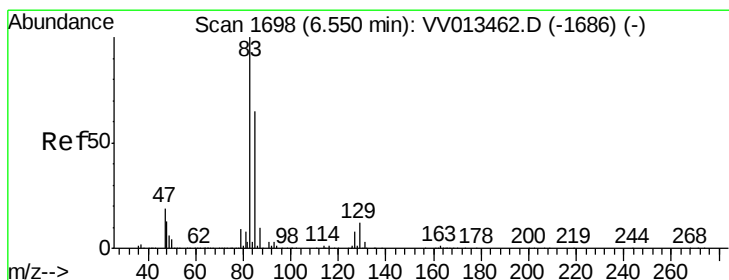
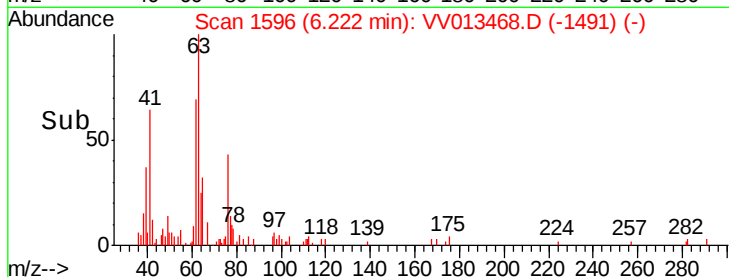
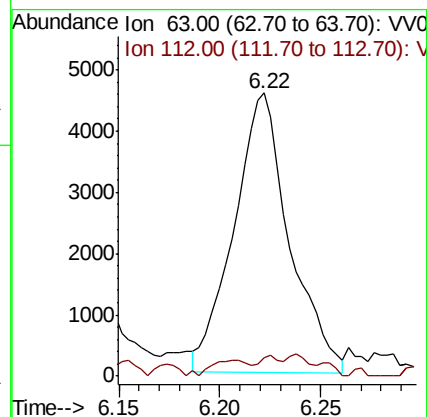
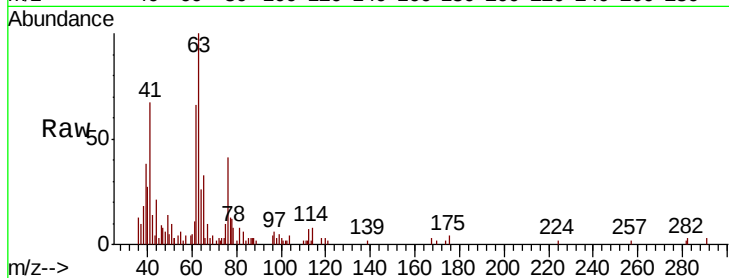
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 8753

Ion Ratio Lower Upper

63 100

112 2.8 3.8 5.6#



#41

Bromodichloromethane

Concen: 0.703 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

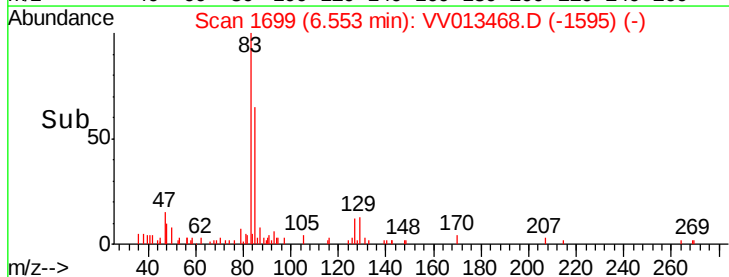
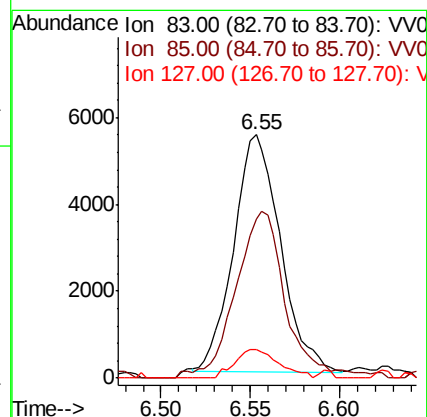
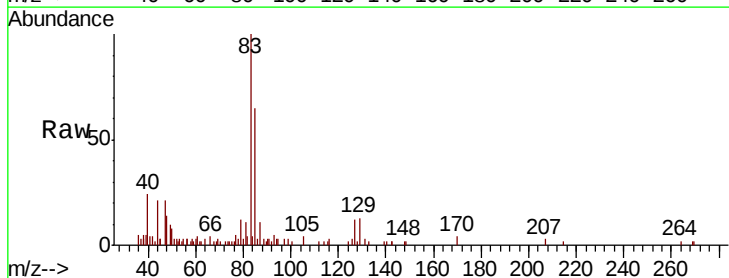
Tgt Ion: 83 Resp: 9994

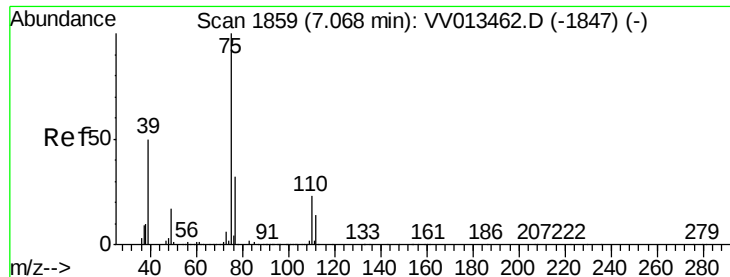
Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.4

127 11.5 6.7 10.1#



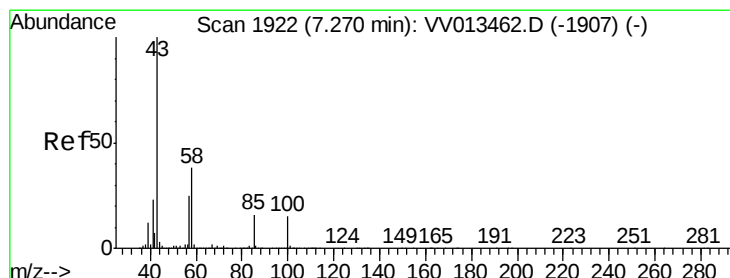
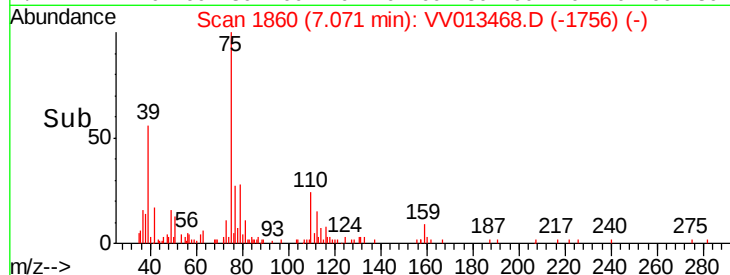
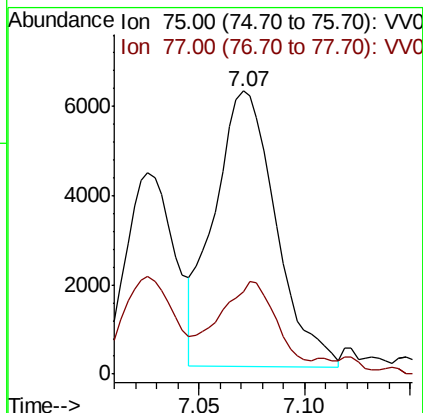
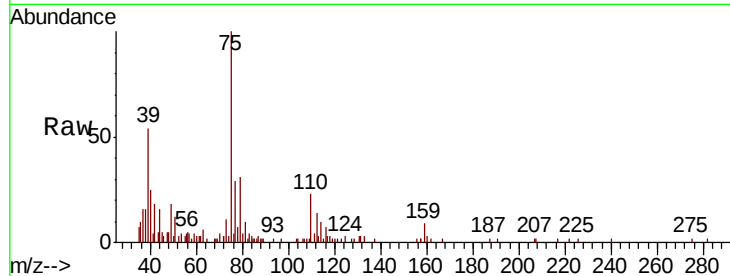


#42

cis-1,3-Dichloropropene
Concen: 0.764 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :

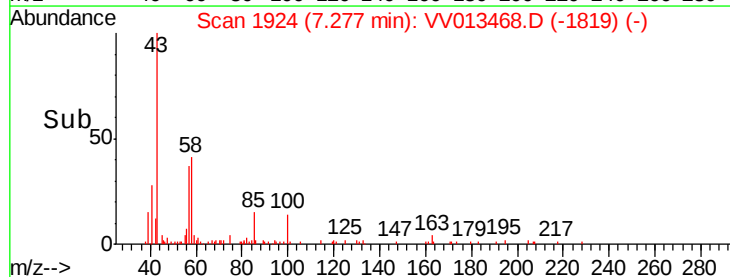
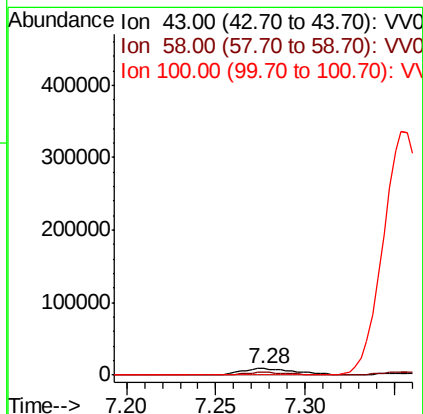
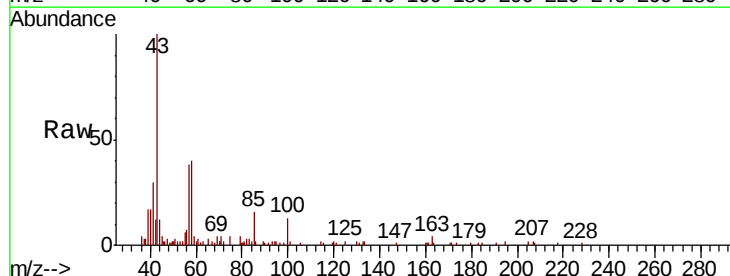
Tot Ion: 75 Resp: 12508
Ion Ratio Lower Upper
75 100
77 29.2 22.7 42.1

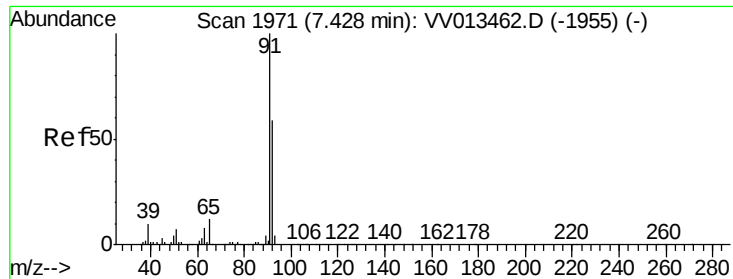


#43

4-Methyl-2-pentanone
Concen: 1.866 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VV013468.D
Acq: 01 Nov 2019 14:57

Tgt Ion: 43 Resp: 19023
Ion Ratio Lower Upper
43 100
58 40.5 29.9 44.9
100 8.8 11.5 17.3#





#44

Toluene

Concen: 0.862 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

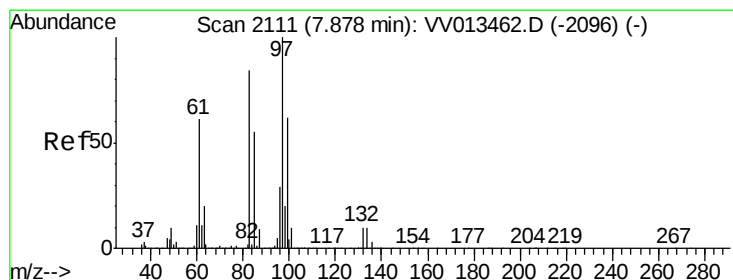
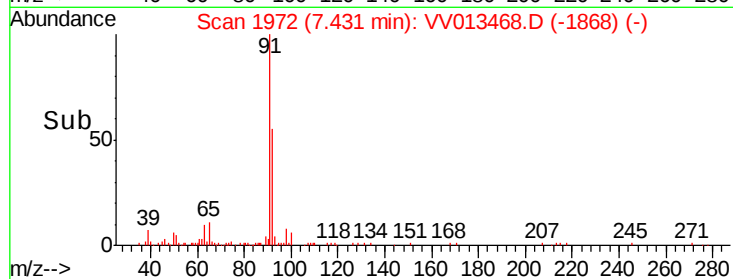
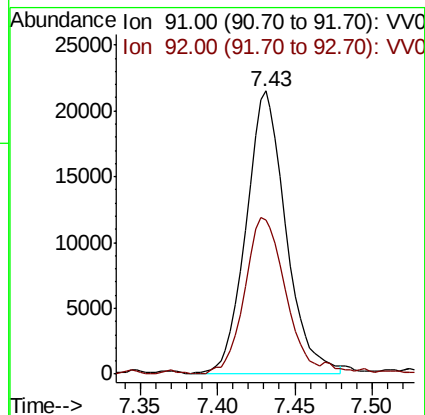
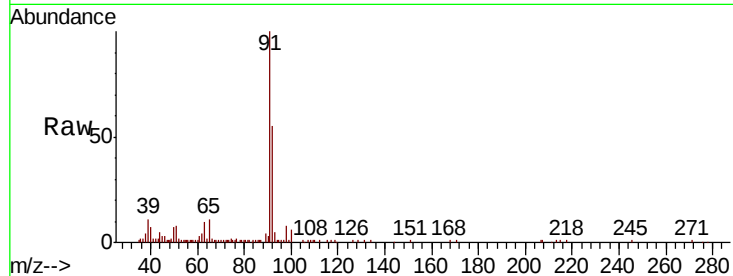
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 38628

Ion Ratio Lower Upper

91 100

92 54.7 41.4 76.8



#46

1,1,2-Trichloroethane

Concen: 0.799 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion: 97 Resp: 7067

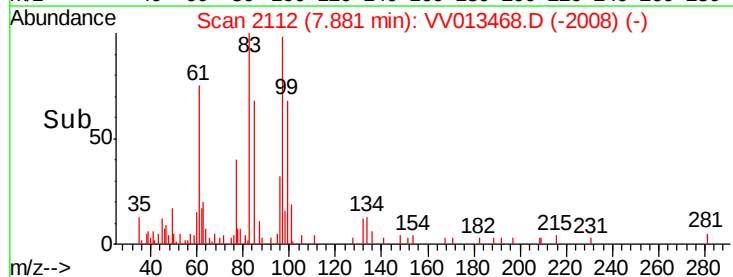
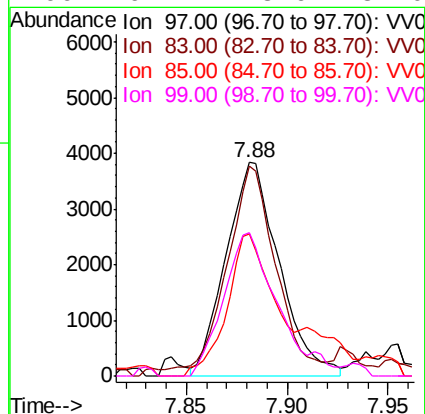
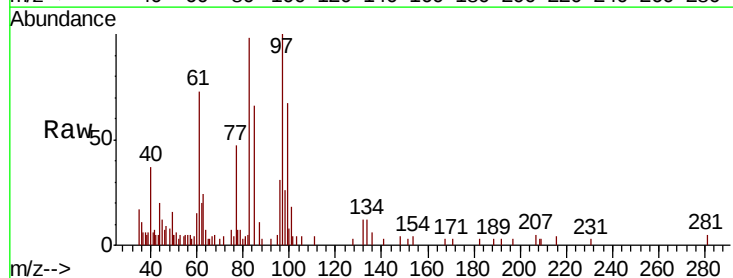
Ion Ratio Lower Upper

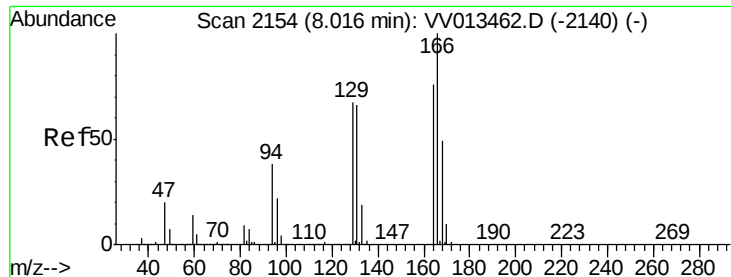
97 100

83 98.0 58.9 109.3

85 66.4 38.6 71.6

99 67.1 43.6 81.0





#47

Tetrachloroethene

Concen: 0.891 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 8942

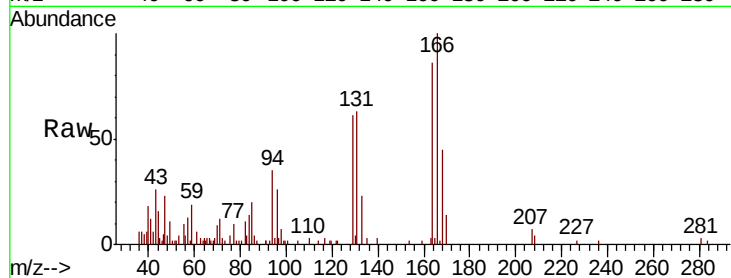
Ion Ratio Lower Upper

164 100

129 70.4 61.8 114.8

131 73.1 61.0 113.2

166 116.0 92.1 171.1



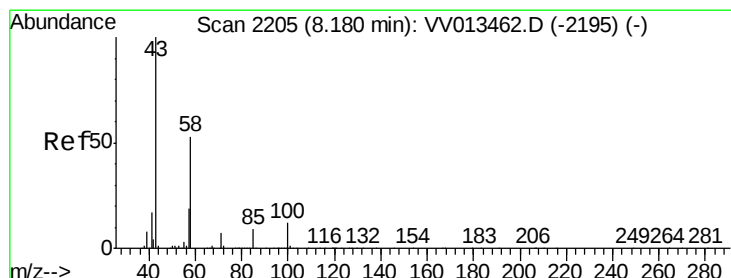
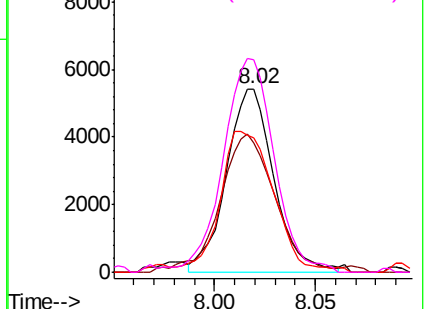
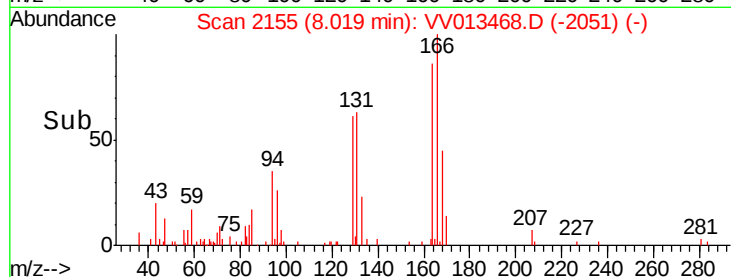
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 3.630 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Tgt Ion: 43 Resp: 26938

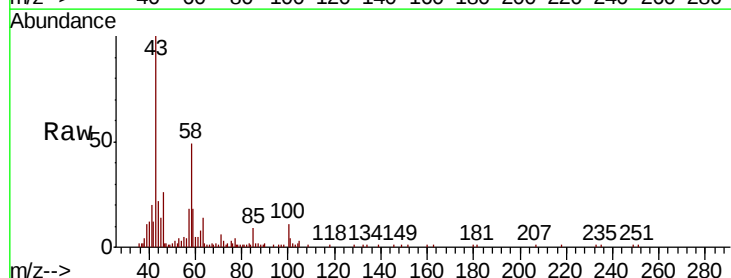
Ion Ratio Lower Upper

43 100

58 50.8 43.8 65.8

57 19.9 15.0 22.4

100 12.5 9.4 14.2



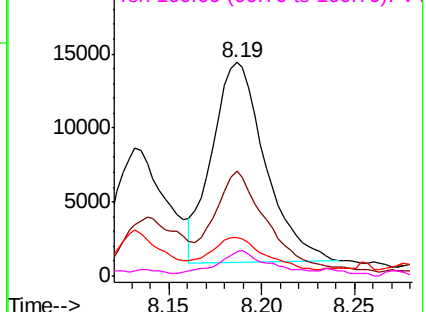
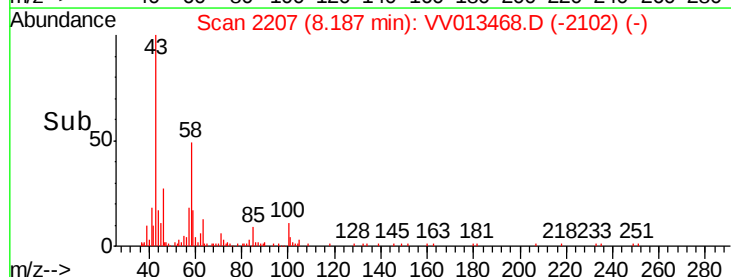
Abundance

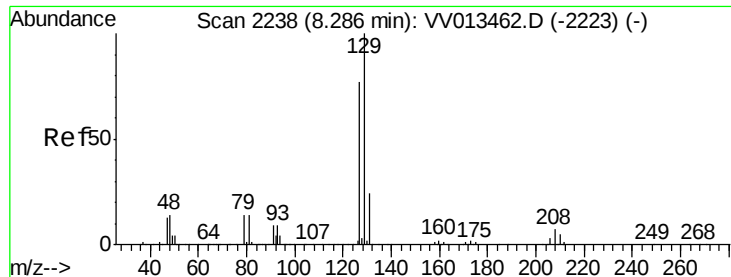
Ion 43.00 (42.70 to 43.70): VV0

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





#50

Dibromochloromethane

Concen: 0.768 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

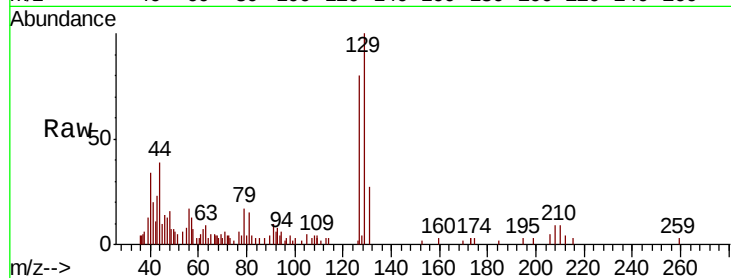
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 8121

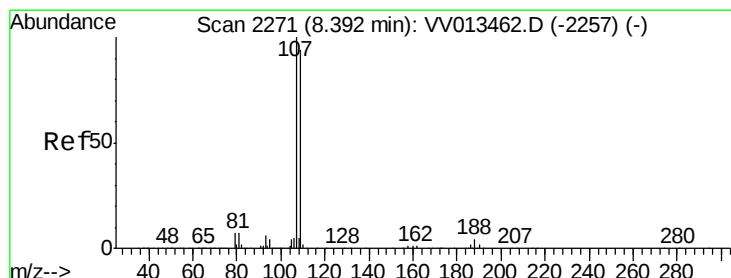
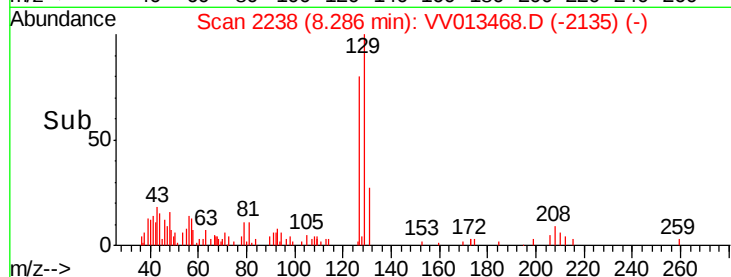
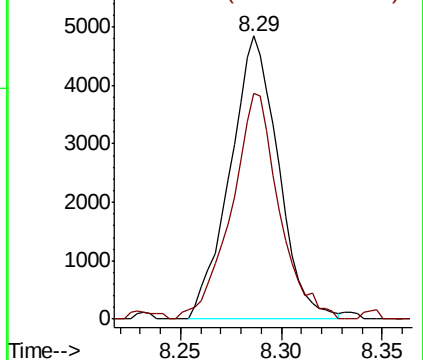
Ion Ratio Lower Upper

129 100

127 79.6 53.9 100.1



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



#51

1,2-Dibromoethane

Concen: 0.760 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

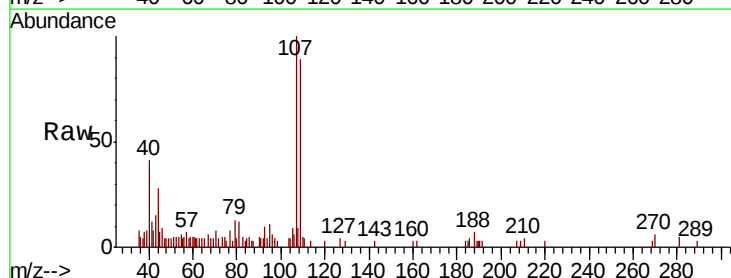
Tgt Ion:107 Resp: 6949

Ion Ratio Lower Upper

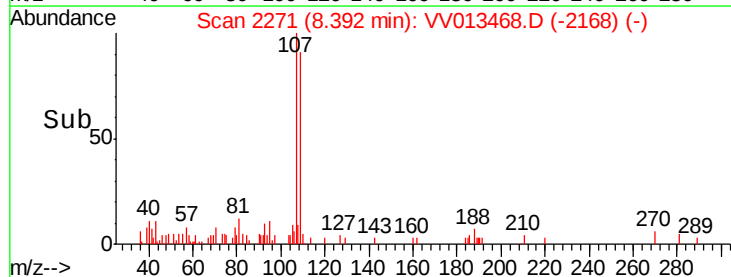
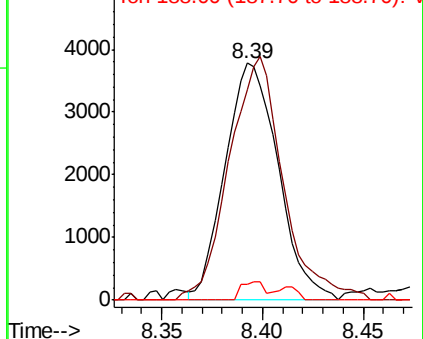
107 100

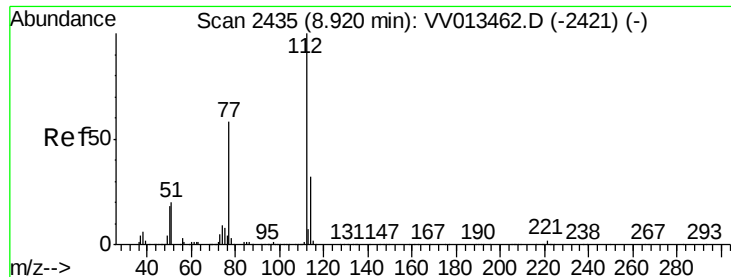
109 88.7 65.6 121.8

188 6.8 3.5 5.3#



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





#52

Chlorobenzene

Concen: 0.827 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

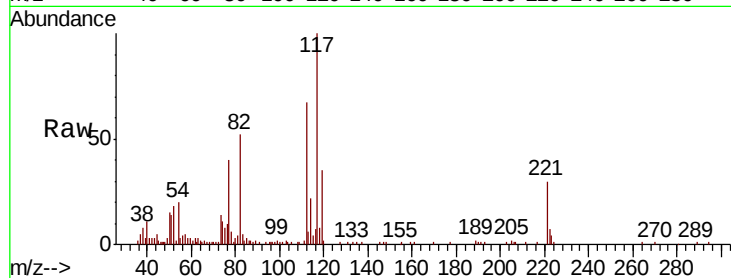
Tot Ion:112 Resp: 25076

Ion Ratio Lower Upper

112 100

77 59.5 46.6 70.0

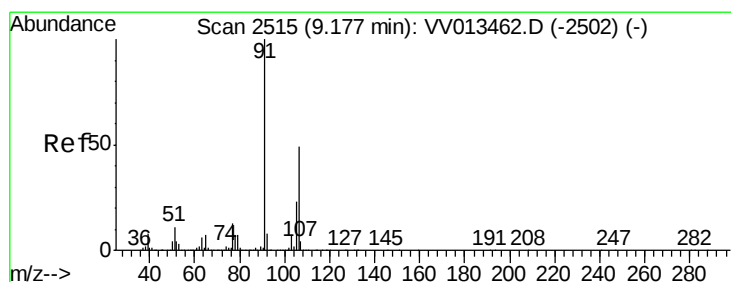
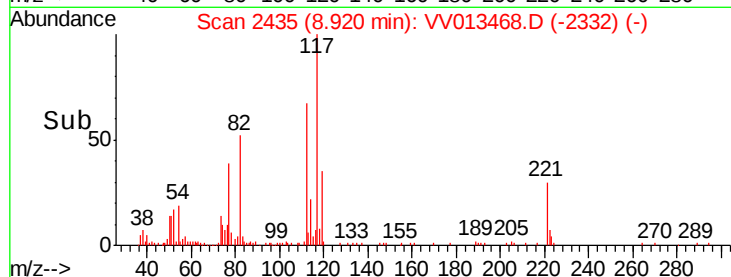
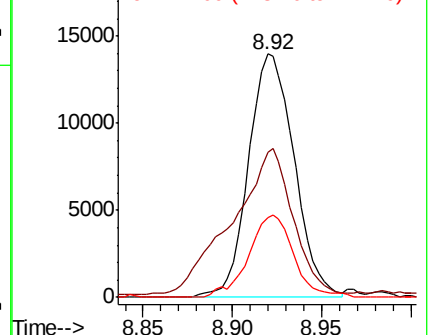
114 32.8 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V



#54

m,p-Xylene

Concen: 0.731 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013468.D

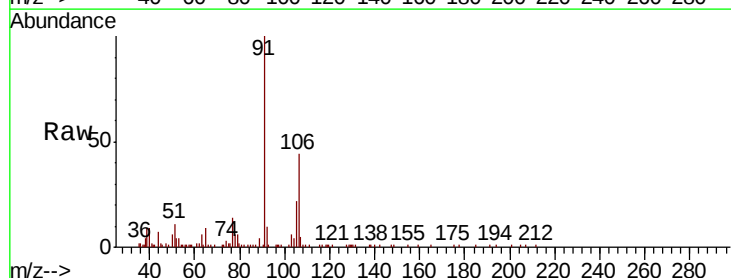
Acq: 01 Nov 2019 14:57

Tgt Ion:106 Resp: 13568

Ion Ratio Lower Upper

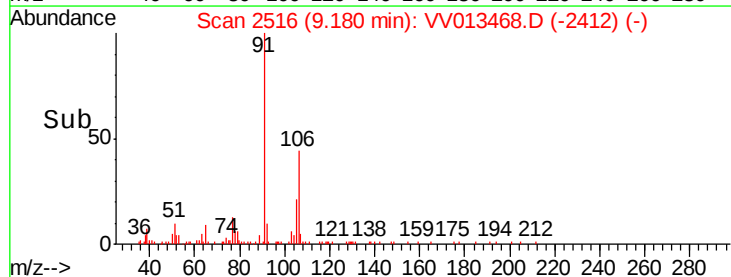
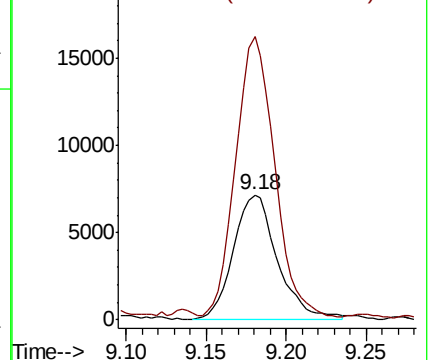
106 100

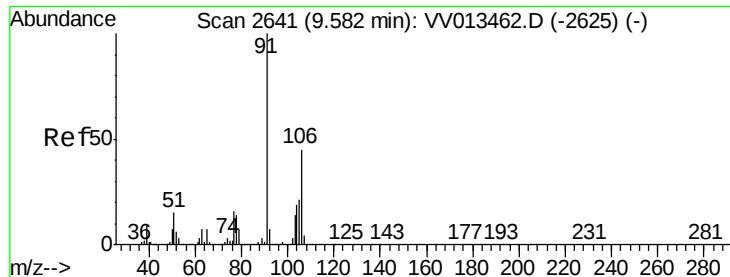
91 226.4 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

o-xylene

Concen: 0.692 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

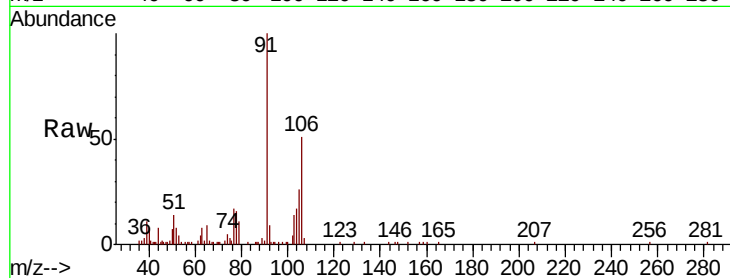
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 12158

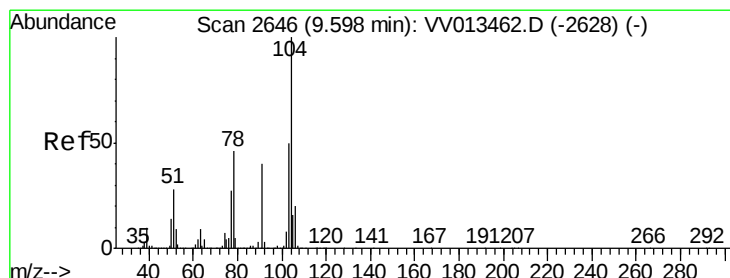
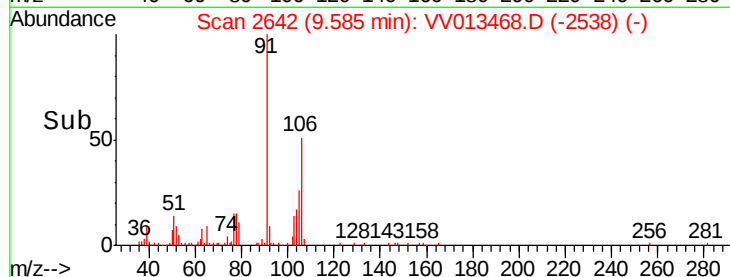
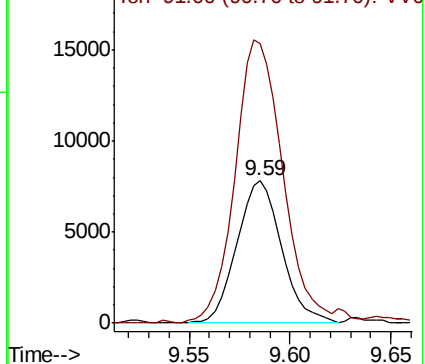
Ion Ratio Lower Upper

106 100

91 196.5 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.599 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.01 min

Lab File: VV013468.D

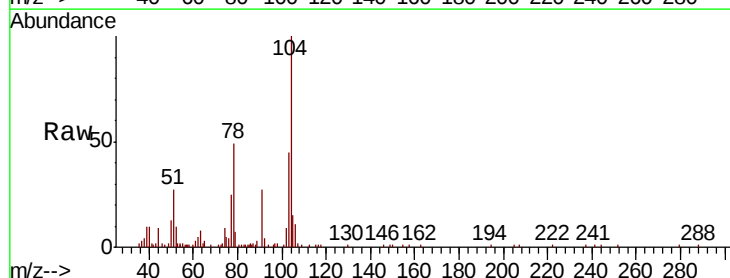
Acq: 01 Nov 2019 14:57

Tgt Ion:104 Resp: 18254

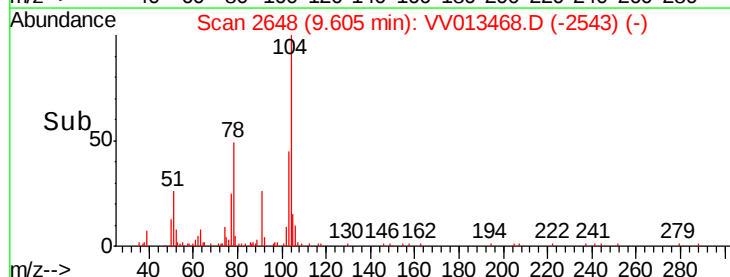
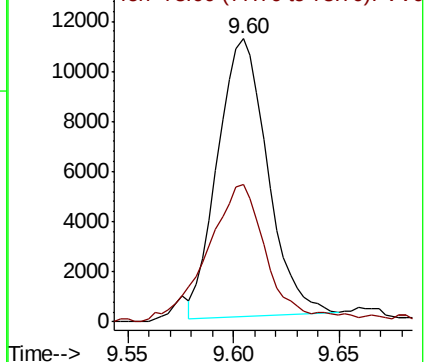
Ion Ratio Lower Upper

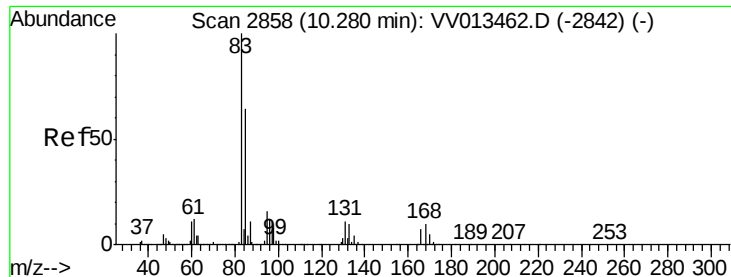
104 100

78 48.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.888 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

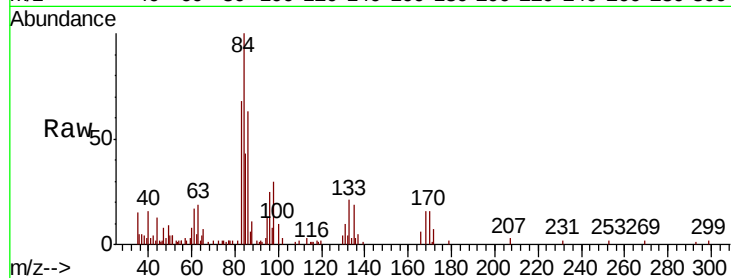
Tot Ion: 83 Resp: 10080

Ion Ratio Lower Upper

83 100

85 62.8 45.1 83.7

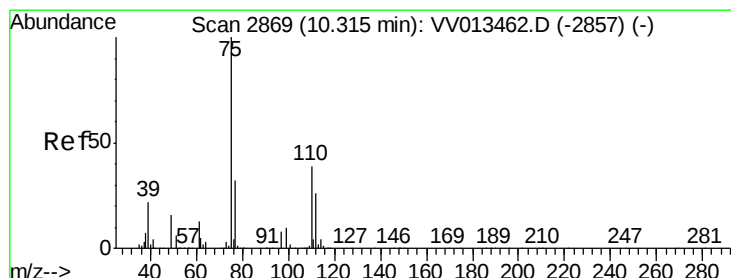
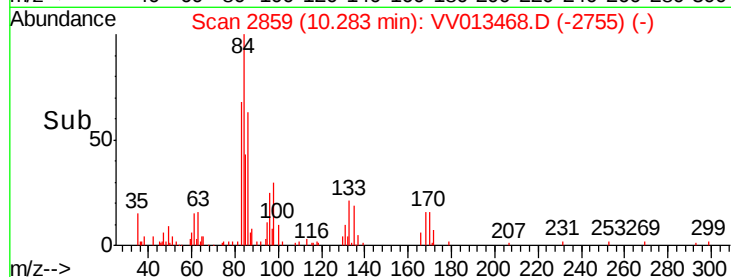
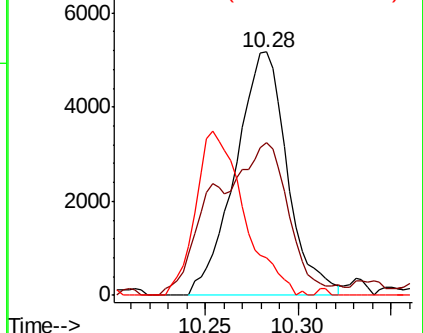
131 15.4 8.5 12.7#



Abundance Ion 83.00 (82.70 to 83.70): VV013468.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV013468.D (-2842) (-)

Ion 131.00 (130.70 to 131.70): VV013468.D (-2842) (-)



#59

1,2,3-Trichloropropane

Concen: 0.795 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013468.D

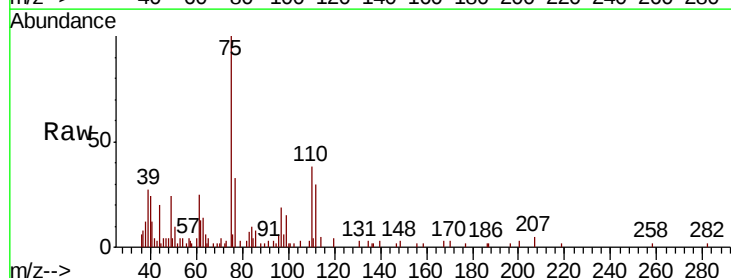
Acq: 01 Nov 2019 14:57

Tgt Ion: 75 Resp: 7564

Ion Ratio Lower Upper

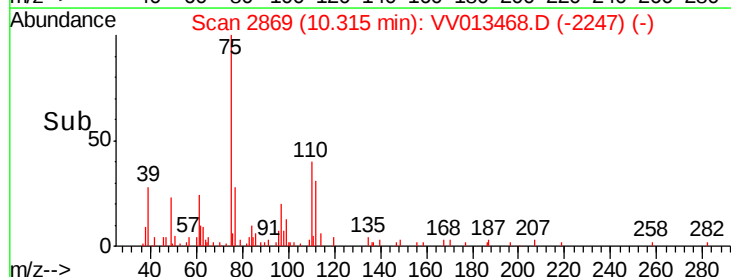
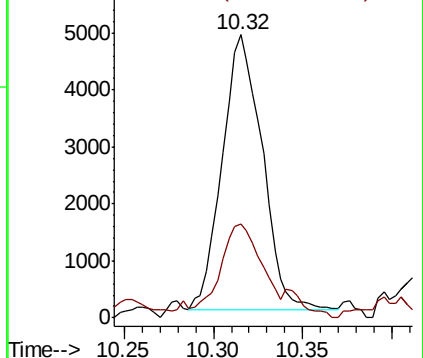
75 100

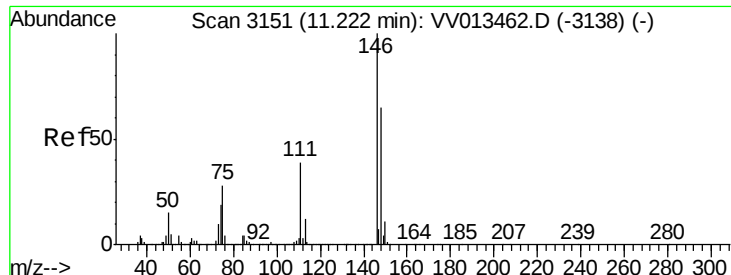
77 33.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013468.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV013468.D (-2857) (-)

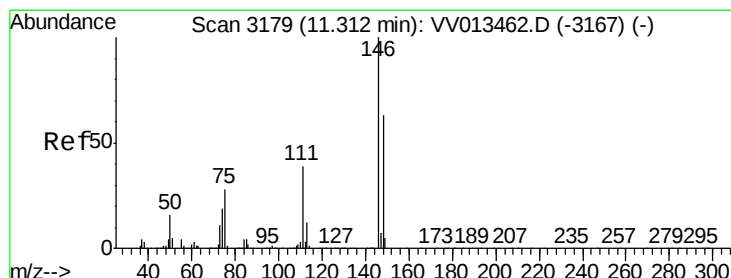
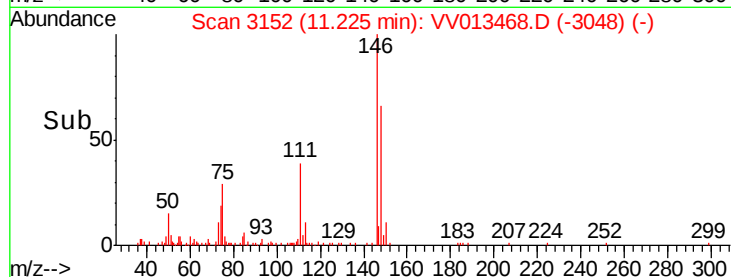
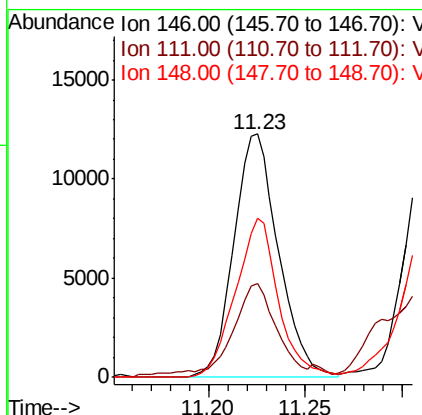
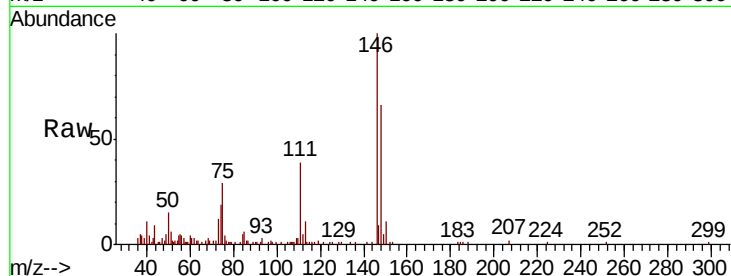




#63
 1,3-Dichlorobenzene
 Concen: 0.844 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

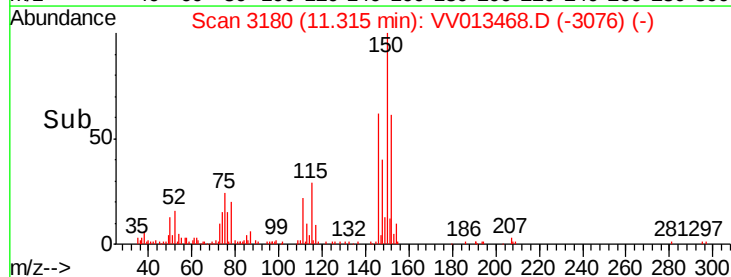
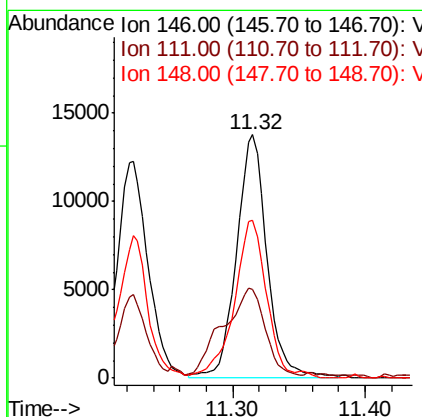
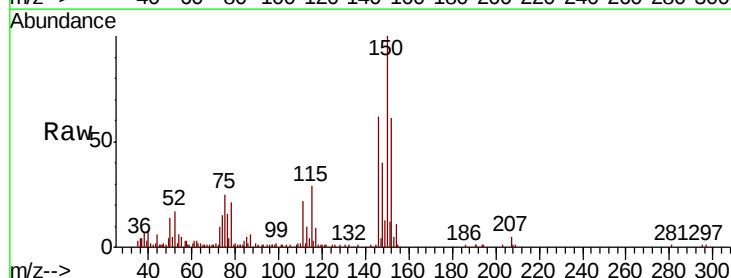
Instrument :
 MSVOA_V
 ClientSampleId :

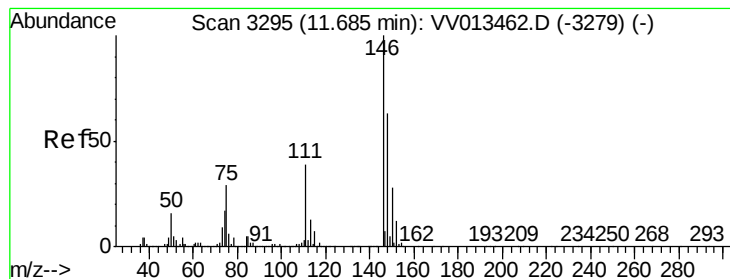
Tot Ion:146 Resp: 19665
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.1 50.3
 148 65.6 45.4 84.2



#64
 1,4-Dichlorobenzene
 Concen: 0.927 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion:146 Resp: 22086
 Ion Ratio Lower Upper
 146 100
 111 36.3 27.2 50.6
 148 64.8 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 0.869 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampled :

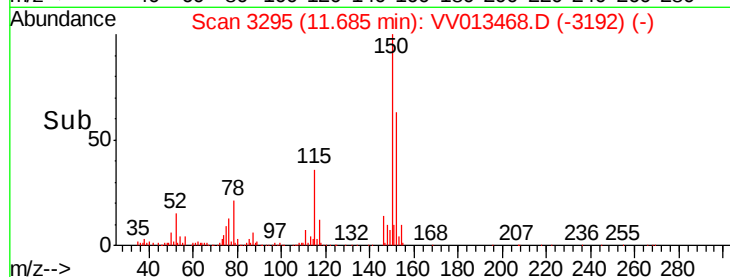
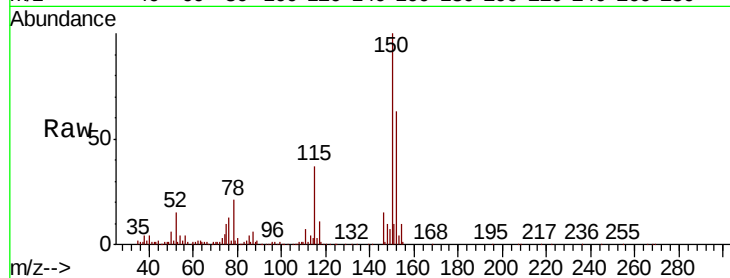
Tot Ion:146 Resp: 18812

Ion Ratio Lower Upper

146 100

111 46.5 31.4 47.2

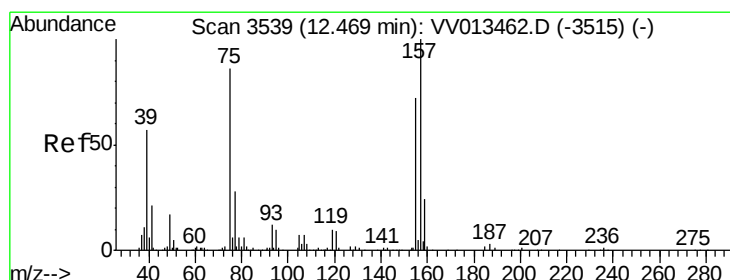
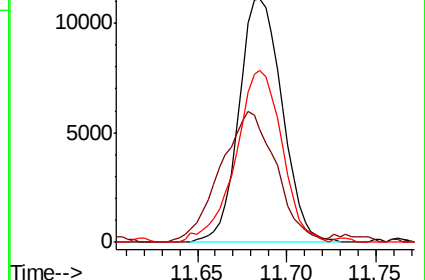
148 70.8 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.963 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

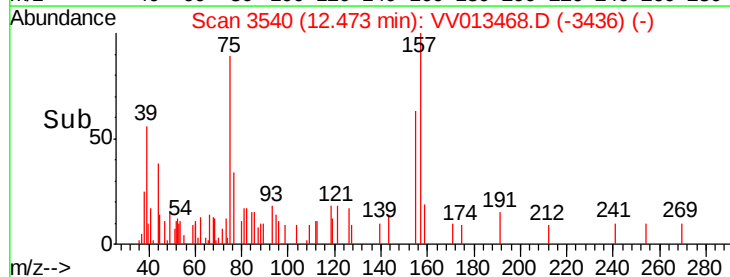
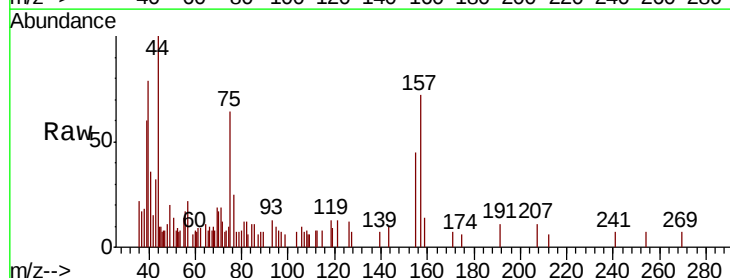
Tgt Ion: 75 Resp: 1918

Ion Ratio Lower Upper

75 100

157 112.4 93.2 139.8

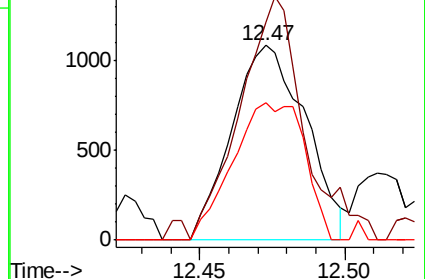
155 70.7 66.9 100.3

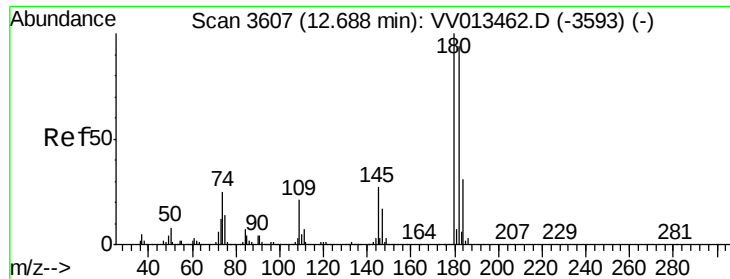


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

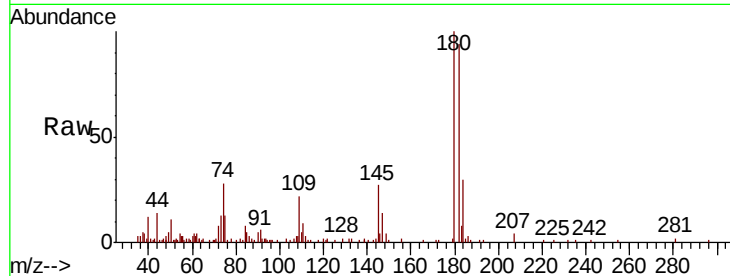




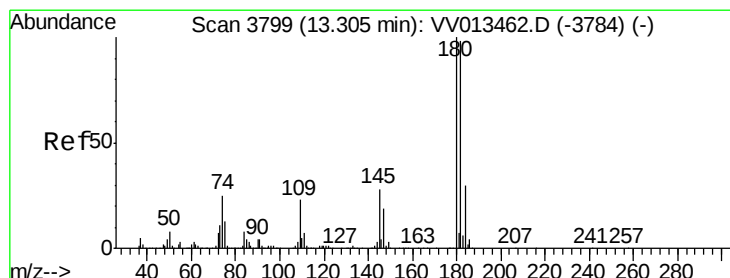
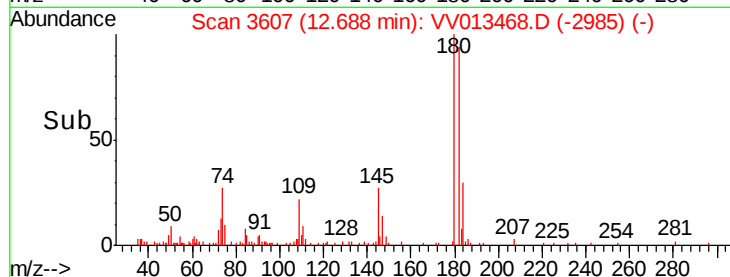
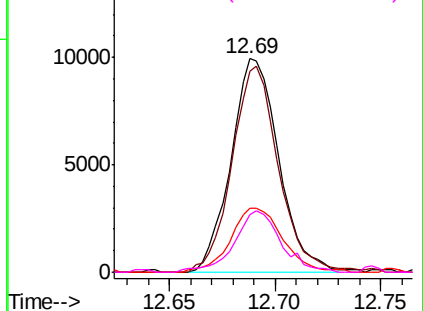
#67
 1,3,5-Trichlorobenzene
 Concen: 0.848 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	15635
Ion Ratio	Lower	Upper
180	100	
182	93.3	74.8 112.2
184	32.5	24.3 36.5
145	28.1	21.1 31.7

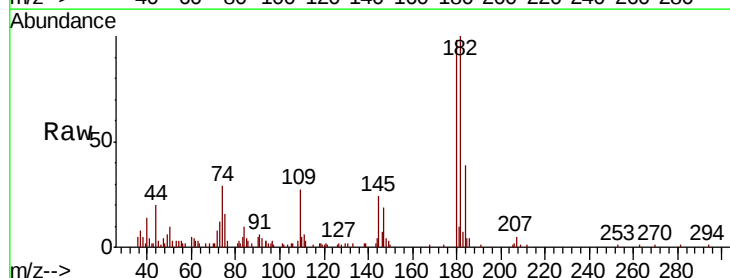


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

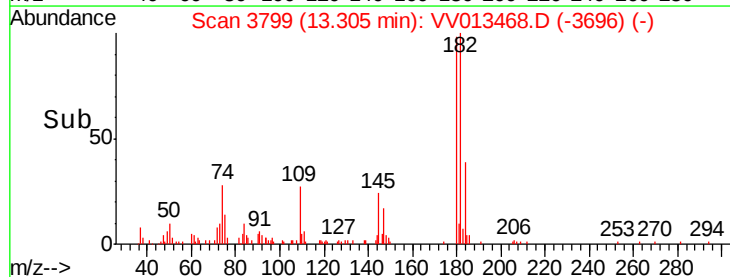
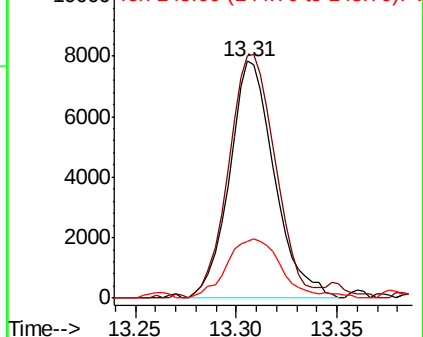


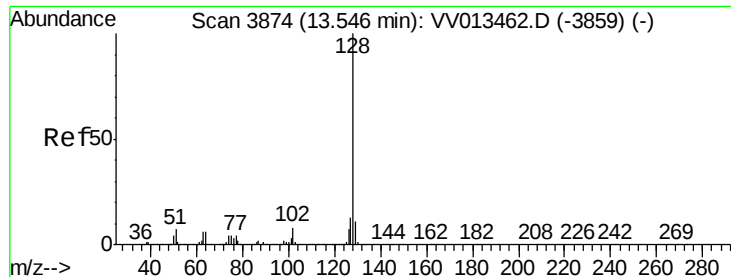
#68
 1,2,4-trichlorobenzene
 Concen: 0.779 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013468.D
 Acq: 01 Nov 2019 14:57

Tgt Ion:180	Resp:	12231
Ion Ratio	Lower	Upper
180	100	
182	106.9	77.4 116.0
145	29.6	22.3 33.5



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





#69

Naphthalene

Concen: 0.750 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

Instrument :

MSVOA_V

ClientSampleId :

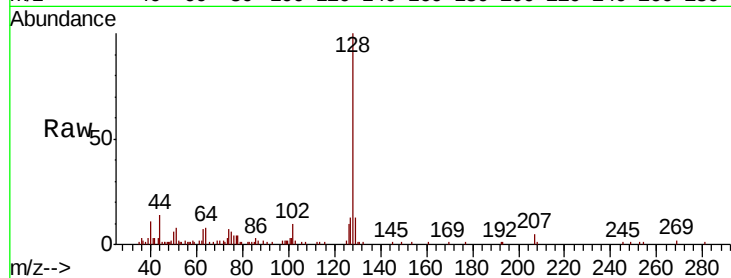
Tot Ion:128 Resp: 22785

Ion Ratio Lower Upper

128 100

129 12.8 8.6 13.0

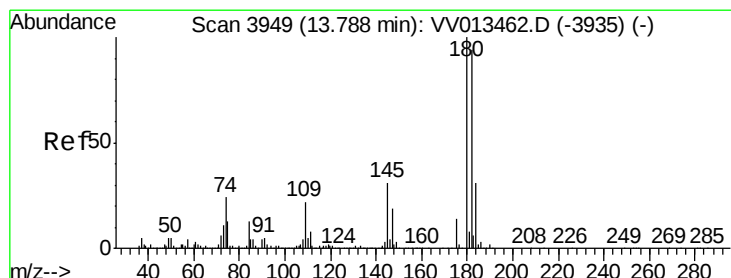
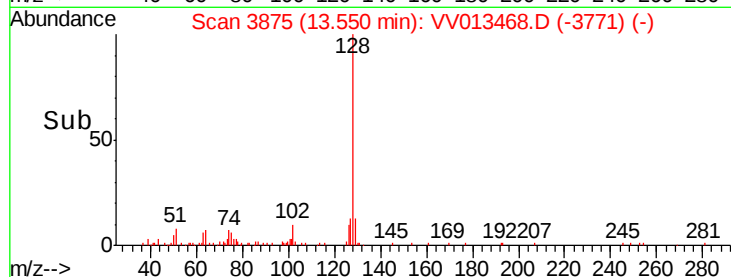
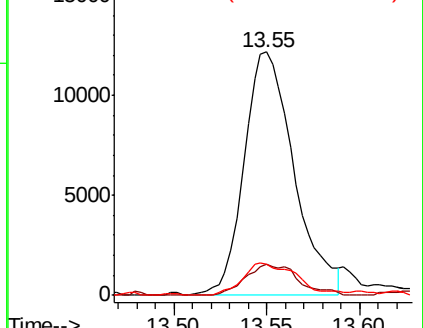
127 13.8 10.5 15.7



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: 0.851 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013468.D

Acq: 01 Nov 2019 14:57

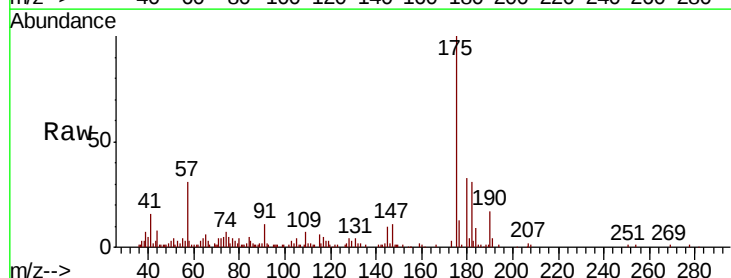
Tgt Ion:180 Resp: 12516

Ion Ratio Lower Upper

180 100

182 91.4 75.2 112.8

145 30.8 23.8 35.6



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

