

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013473.D
 Acq On : 01 Nov 2019 17:13
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 04:01:01 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	660049	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	643359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	323222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236356	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.72%
7) Chloroethane-d5	1.58	69	183774	27.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.40%
10) 1,1-Dichloroethene-d2	2.13	63	303255	18.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.04%
20) 2-Butanone-d5	3.95	46	229169	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
24) Chloroform-d	4.40	84	450986	24.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	5.08	65	275209	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.88%
29) Benzene-d6	5.09	84	954735	25.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.12%
33) 1,2-Dichloropropane-d6	6.11	67	293116	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.76%
37) Toluene-d8	7.35	98	828150	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	7.66	79	120284	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.04%
39) 2-Hexanone-d5	8.13	63	124775	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	260750	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	324142	25.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	11850	1.151	ug/L	97
3) Chloromethane	1.25	50	11226	1.070	ug/L	83
5) Vinyl chloride	1.32	62	11631	1.132	ug/L #	60
6) Bromomethane	1.53	94	6131	1.270	ug/L	90
9) Trichlorofluoromethane	1.77	101	14571	1.036	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11687	1.392	ug/L #	83
13) Acetone	2.22	43	21786	4.275	ug/L	71
14) Carbon disulfide	2.32	76	30978	1.006	ug/L	97
16) Methylene chloride	2.53	84	26138	2.128	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	26068	1.001	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	11113	1.050	ug/L	92
19) 1,1-Dichloroethane	3.23	63	19272	0.999	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	11210	1.008	ug/L	94
23) Bromochloromethane	4.30	128	5246	0.983	ug/L	94
25) Chloroform	4.42	83	35474	1.796	ug/L	85
27) 1,2-Dichloroethane	5.18	62	14184	1.034	ug/L	98
30) Cyclohexane	4.72	56	17100	0.984	ug/L	89

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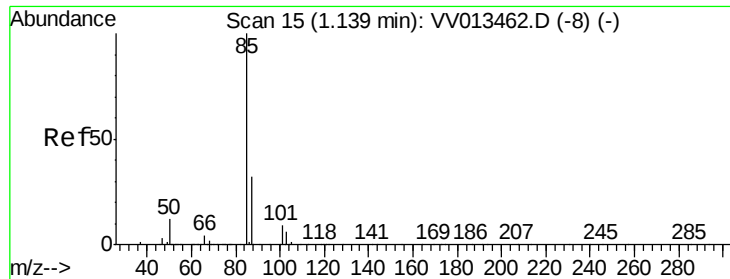
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 04:01:01 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)

31) 1,1,1-Trichloroethane	4.66	97	16581	1.016	ug/L	96
32) Carbon tetrachloride	4.87	117	14872	1.023	ug/L	99
34) Benzene	5.14	78	42155	0.999	ug/L	100
35) Trichloroethene	5.96	95	12271	1.077	ug/L #	89
36) Methylcyclohexane	6.17	83	17621	0.988	ug/L	95
40) 1,2-Dichloropropane	6.22	63	10675	1.004	ug/L #	95
41) Bromodichloromethane	6.55	83	13884	1.015	ug/L #	95
42) cis-1,3-Dichloropropene	7.07	75	15253	0.968	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	22275	2.271	ug/L #	97
44) Toluene	7.43	91	47300	1.097	ug/L	92
46) 1,1,2-Trichloroethane	7.88	97	8829	1.037	ug/L	96
47) Tetrachloroethene	8.02	164	10484	1.085	ug/L	95
49) 2-Hexanone	8.19	43	30067	4.210	ug/L	88
50) Dibromochloromethane	8.29	129	9881	0.970	ug/L	98
51) 1,2-Dibromoethane	8.39	107	9217	1.047	ug/L	87
52) Chlorobenzene	8.92	112	30253	1.037	ug/L	100
53) Ethylbenzene	9.05	91	44777	0.942	ug/L	99
54) m,p-Xylene	9.18	106	16197	0.906	ug/L	90
55) o-xylene	9.59	106	14518	0.859	ug/L	91
56) Styrene	9.60	104	24284	0.829	ug/L	94
57) Isopropylbenzene	9.97	105	37407	0.820	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	13051	1.195	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10038	1.096	ug/L	92
62) Bromoform	9.77	173	6198	0.968	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	23448	1.051	ug/L	92
64) 1,4-Dichlorobenzene	11.31	146	25721	1.127	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	24229	1.168	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	2305	1.208	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	19591	1.110	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	15630	1.039	ug/L	97
69) Naphthalene	13.55	128	26867	0.923	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	14632	1.040	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 1.151 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013473.D

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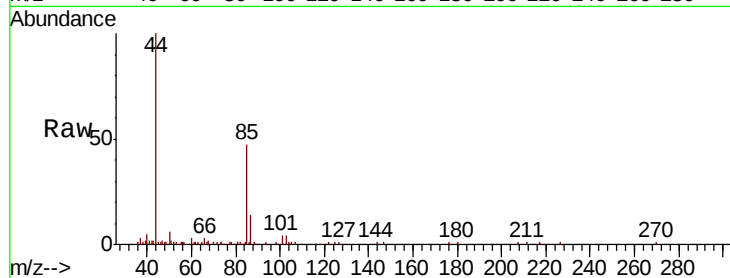
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 11850

Ion Ratio Lower Upper

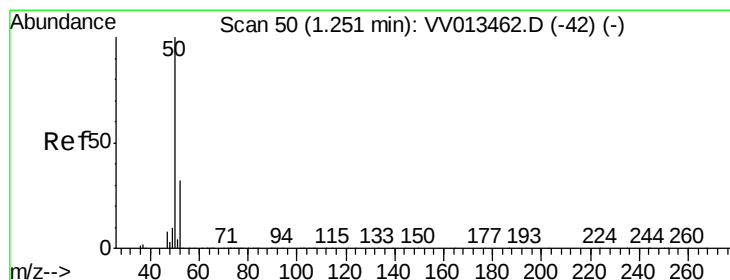
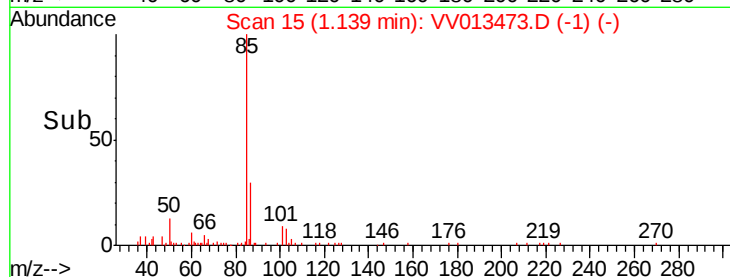
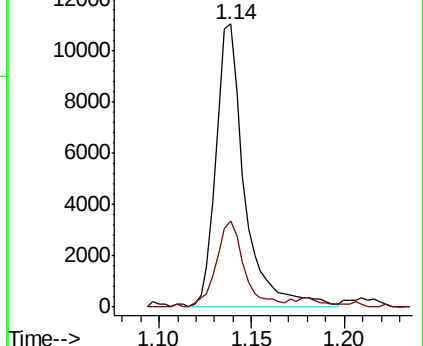
85 100

87 29.8 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.070 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013473.D

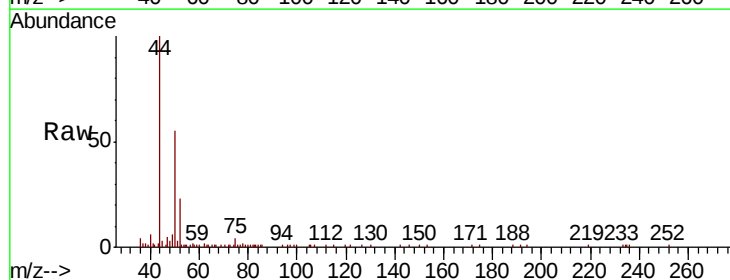
Acq: 01 Nov 2019 17:13

Tgt Ion: 50 Resp: 11226

Ion Ratio Lower Upper

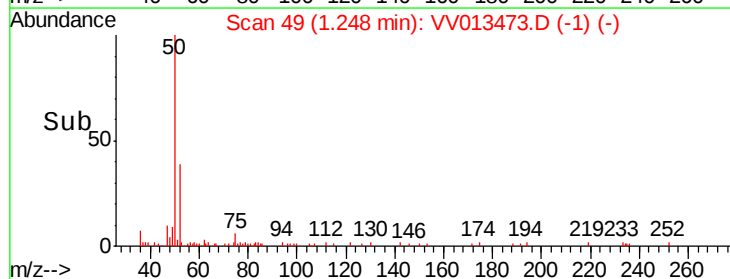
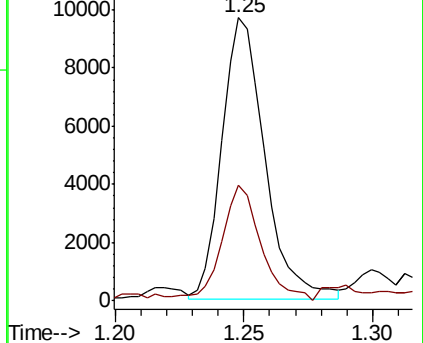
50 100

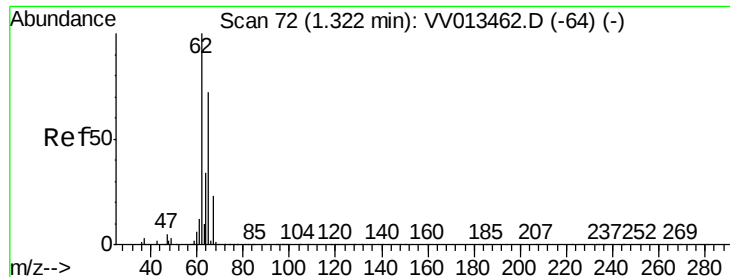
52 40.9 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 1.132 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

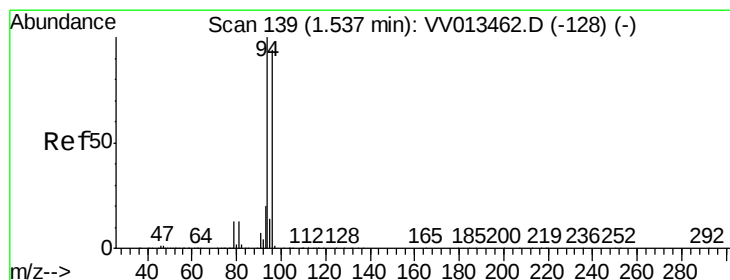
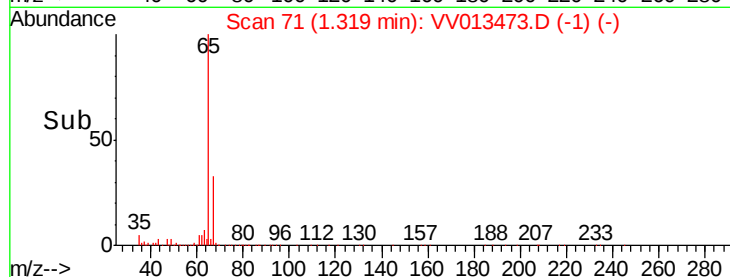
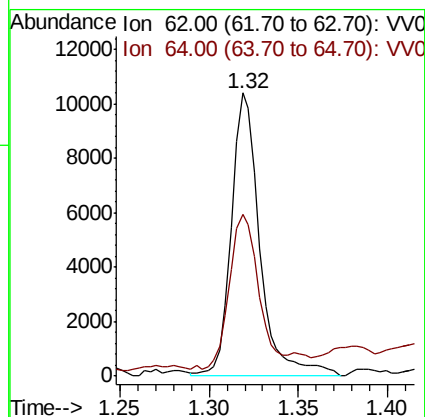
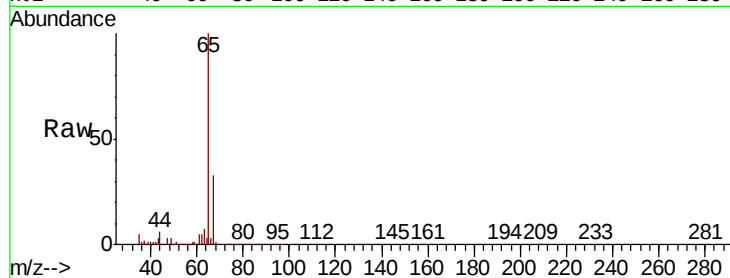
ClientSampleId :

Tot Ion: 62 Resp: 11631

Ion Ratio Lower Upper

62 100

64 57.2 23.8 44.2#



#6

Bromomethane

Concen: 1.270 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013473.D

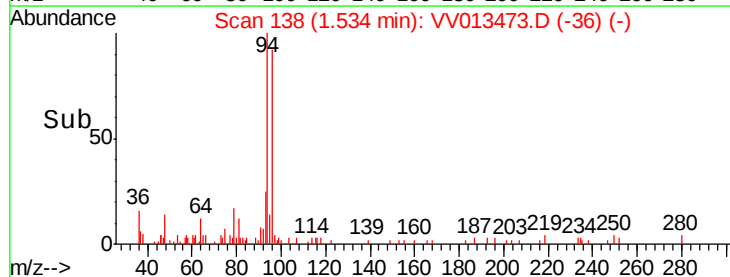
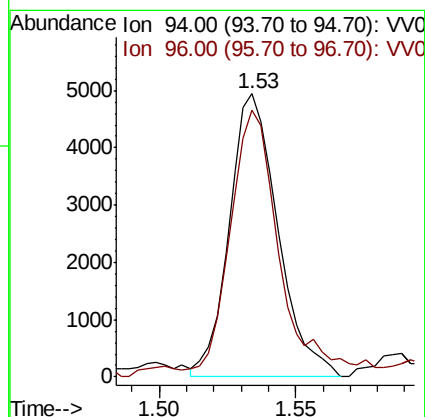
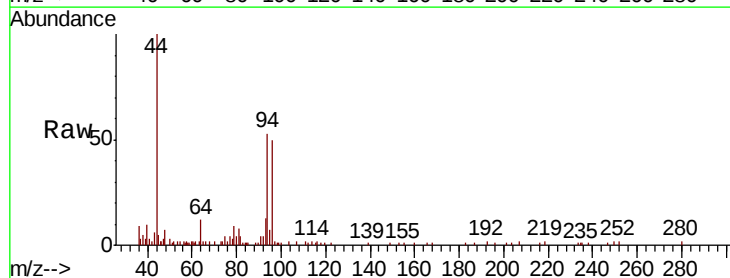
Acq: 01 Nov 2019 17:13

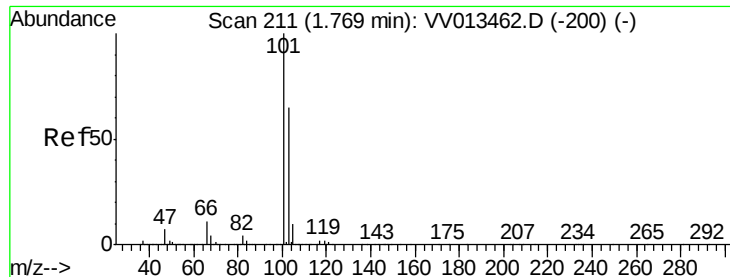
Tgt Ion: 94 Resp: 6131

Ion Ratio Lower Upper

94 100

96 83.9 9.4 177.8



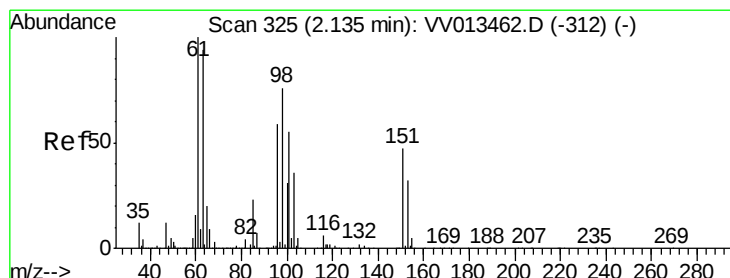
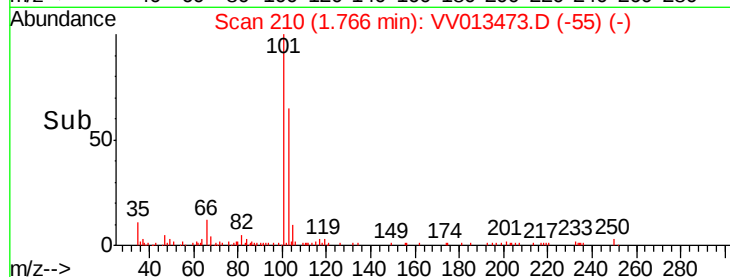
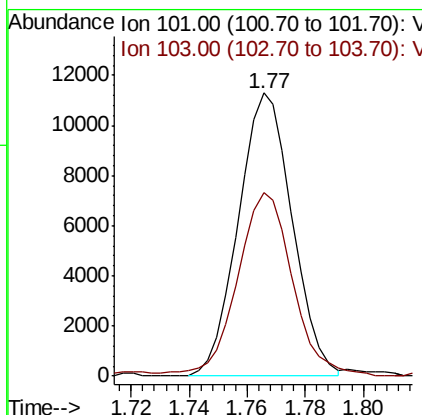
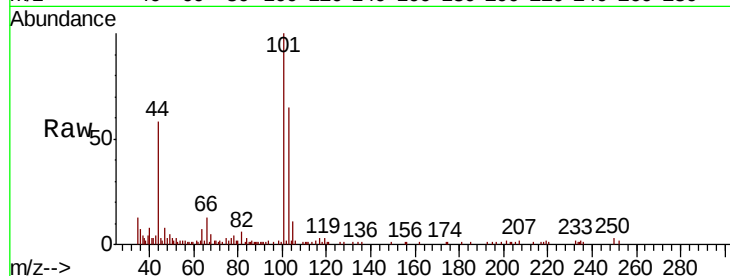


#9

Trichlorofluoromethane
 Concen: 1.036 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :

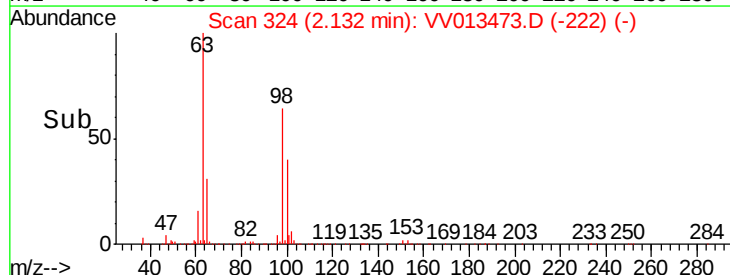
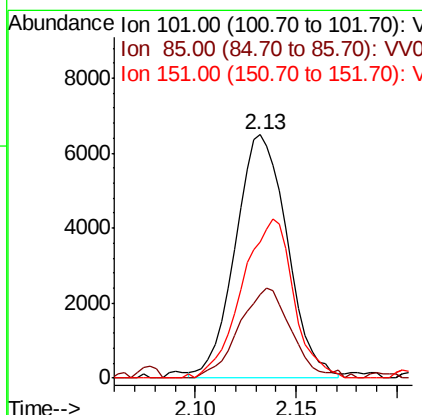
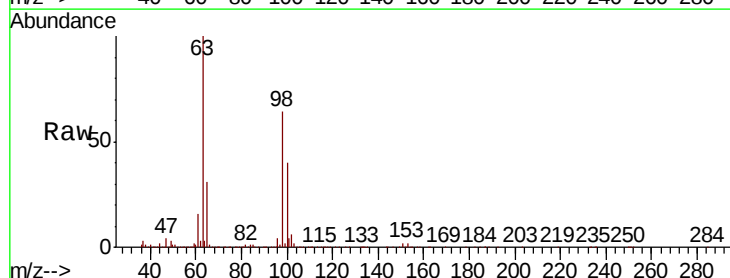
Tot Ion:101 Resp: 14571
 Ion Ratio Lower Upper
 101 100
 103 66.4 45.1 83.9

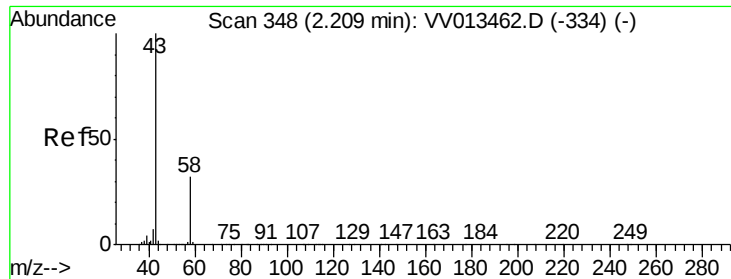


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.392 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion:101 Resp: 11687
 Ion Ratio Lower Upper
 101 100
 85 36.6 33.1 49.7
 151 65.1 68.3 102.5#

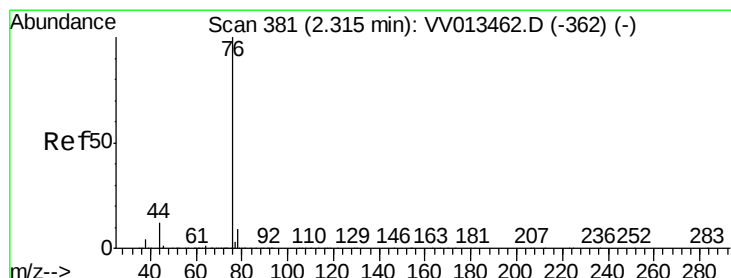
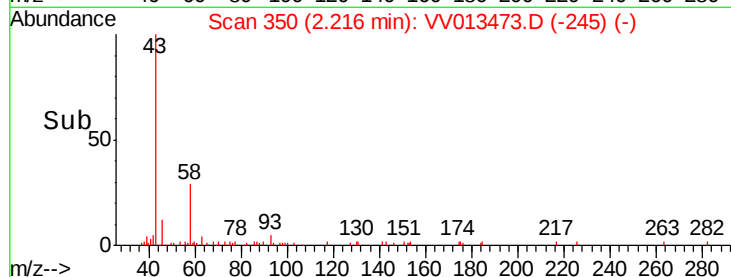
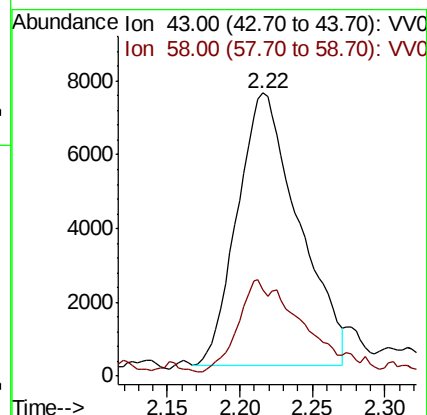
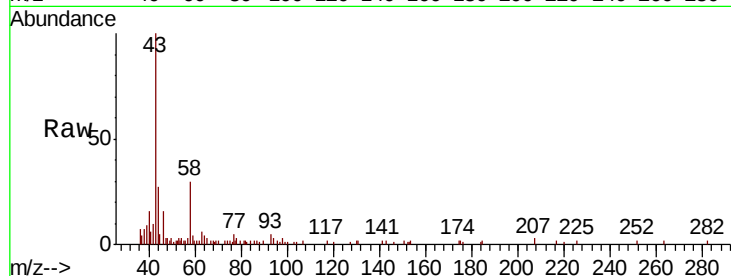




#13
Acetone
Concen: 4.275 ug/L
RT: 2.22 min Scan# 350
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

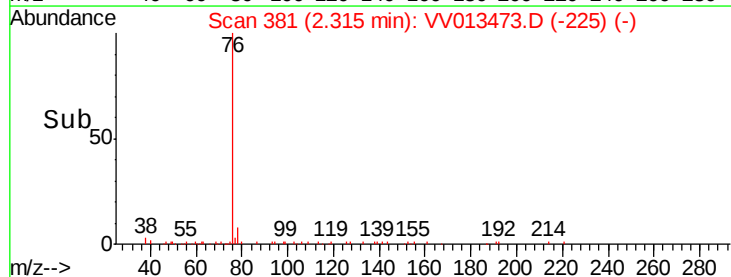
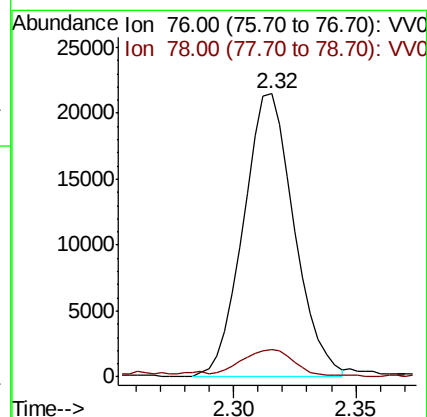
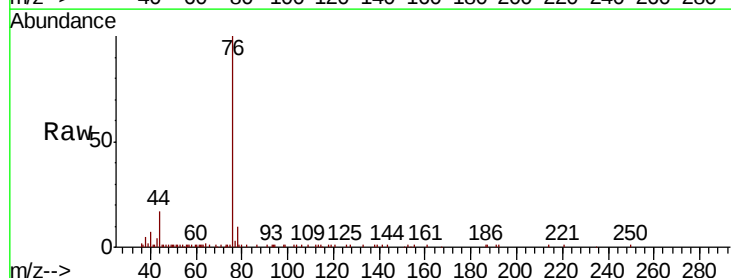
Instrument :
MSVOA_V
ClientSampleId :

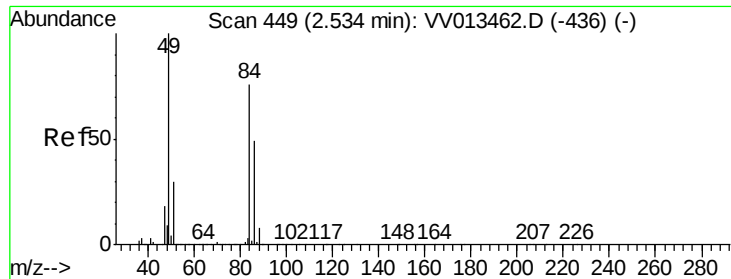
Tot Ion: 43 Resp: 21786
Ion Ratio Lower Upper
43 100
58 15.7 0.0 63.2



#14
Carbon disulfide
Concen: 1.006 ug/L
RT: 2.32 min Scan# 381
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion: 76 Resp: 30978
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7

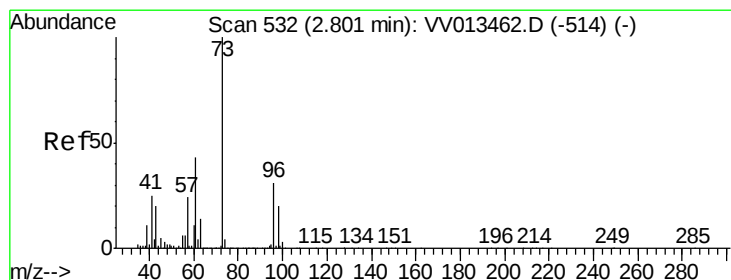
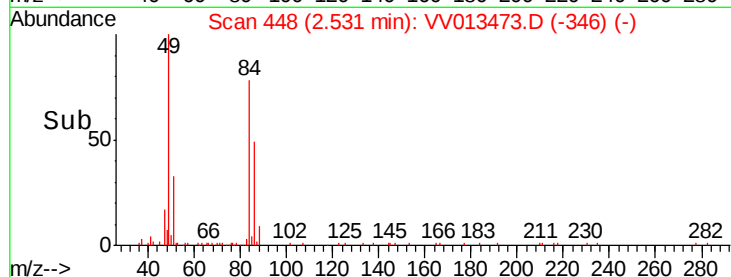
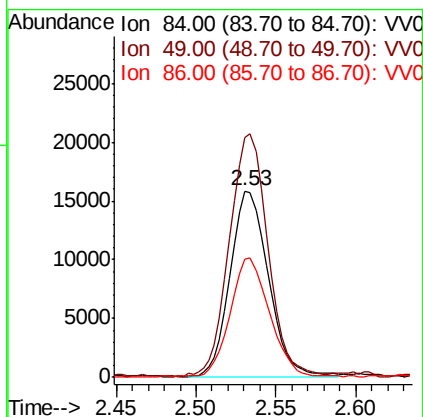
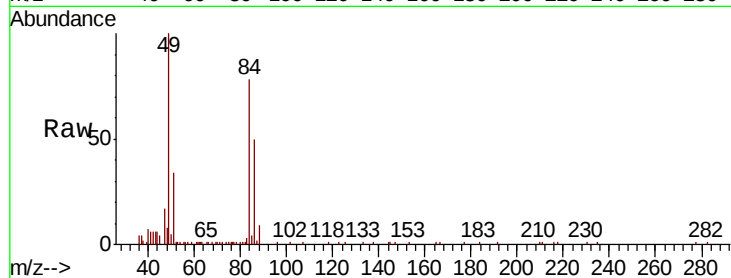




#16
Methvlene chloride
Concen: 2.128 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

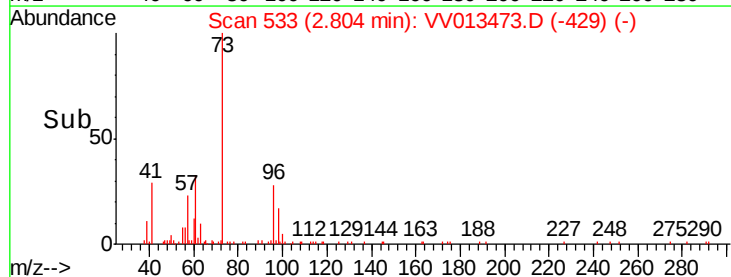
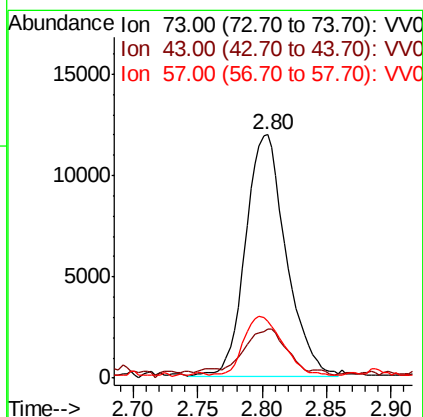
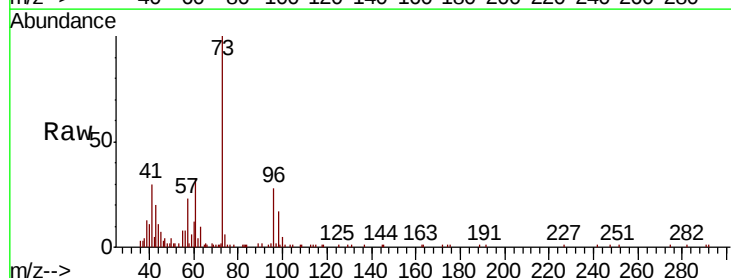
Instrument :
MSVOA_V
ClientSampled :

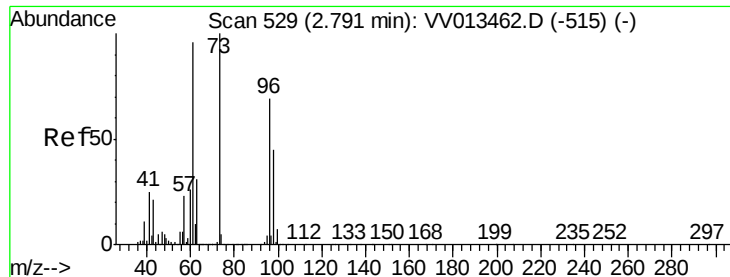
Tot Ion: 84 Resp: 26138
Ion Ratio Lower Upper
84 100
49 128.5 92.4 171.6
86 63.8 45.1 83.7



#17
Methyl tert-butyl Ether
Concen: 1.001 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion: 73 Resp: 26068
Ion Ratio Lower Upper
73 100
43 18.2 16.2 24.2
57 22.7 18.6 27.8

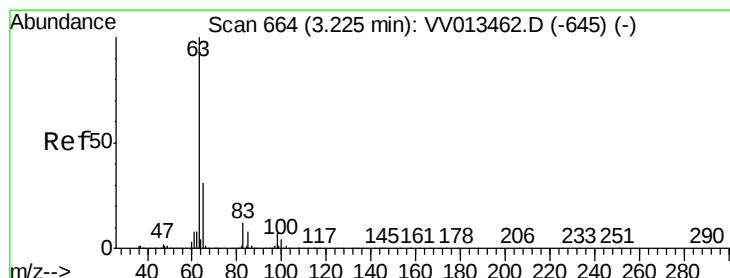
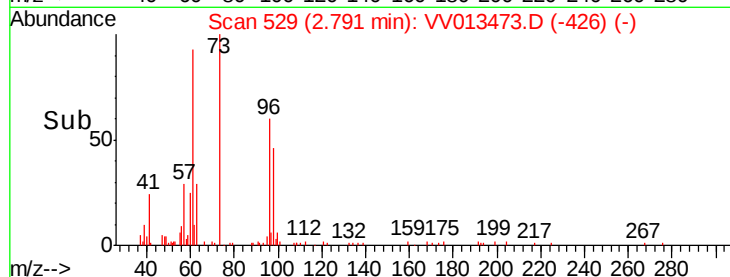
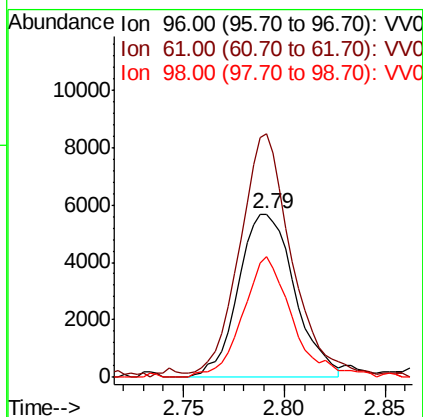
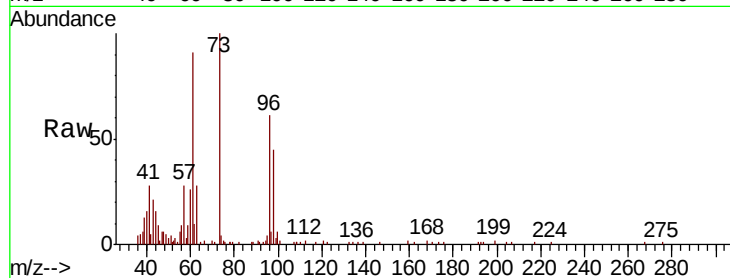




#18
trans-1,2-Dichloroethene
Concen: 1.050 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

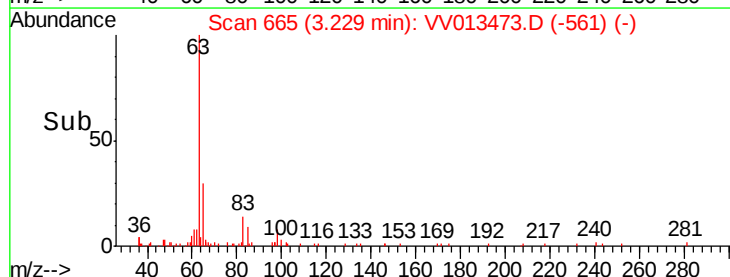
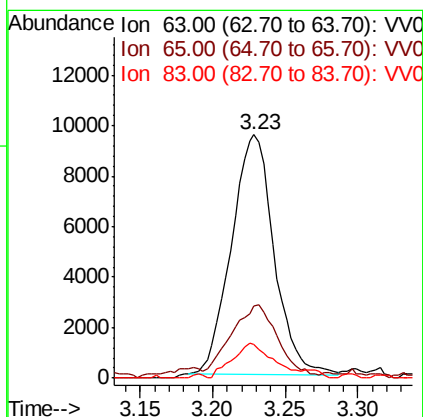
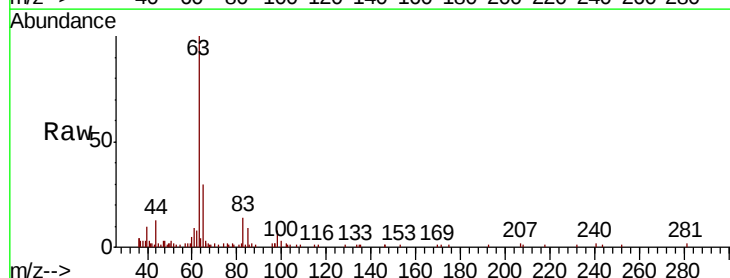
Instrument :
MSVOA_V
ClientSampleId :

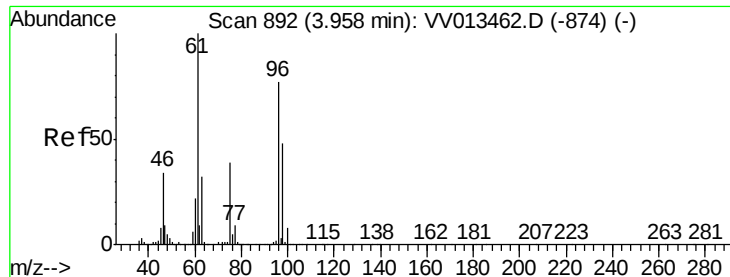
Tot Ion: 96 Resp: 11113
Ion Ratio Lower Upper
96 100
61 148.8 98.0 182.0
98 73.7 45.6 84.8



#19
1,1-Dichloroethane
Concen: 0.999 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion: 63 Resp: 19272
Ion Ratio Lower Upper
63 100
65 29.5 21.7 40.3
83 14.1 8.8 16.3



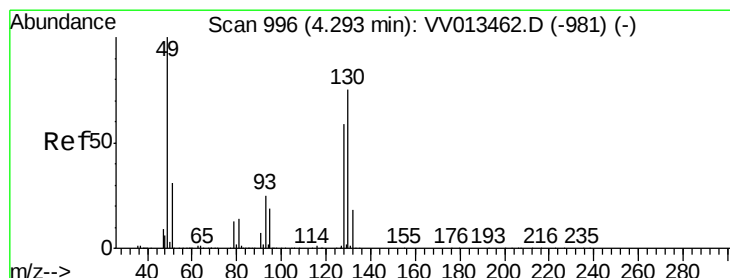
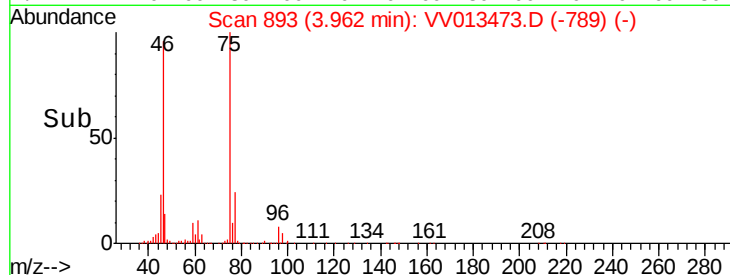
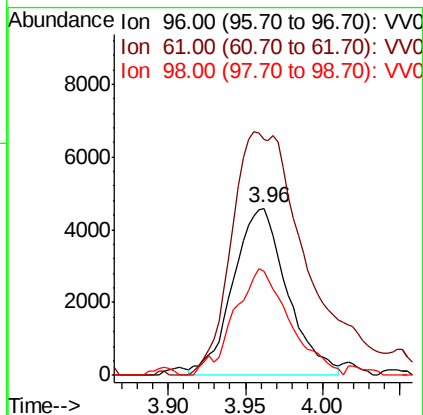
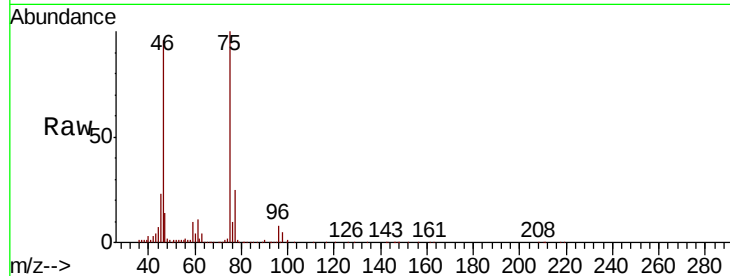


#22

cis-1,2-Dichloroethene
 Concen: 1.008 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :

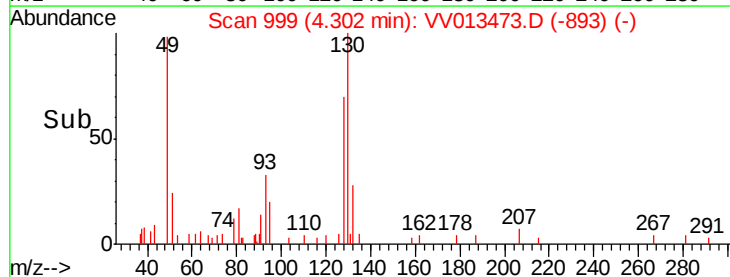
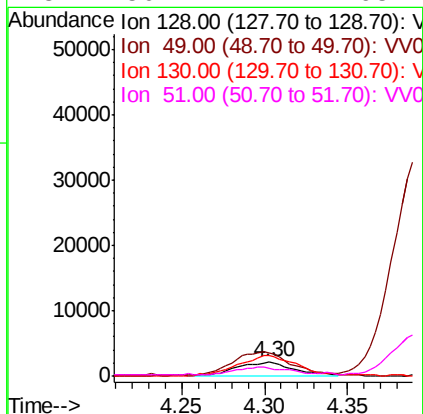
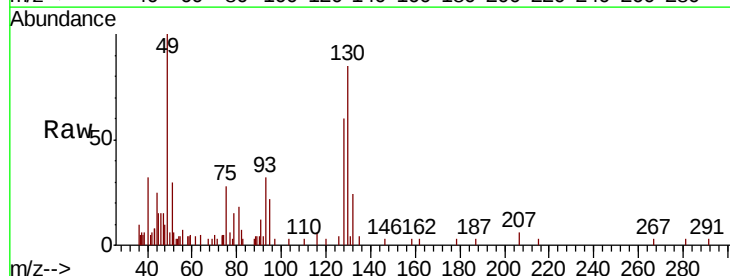
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	91.5	169.9
98	62.7	43.8	81.3

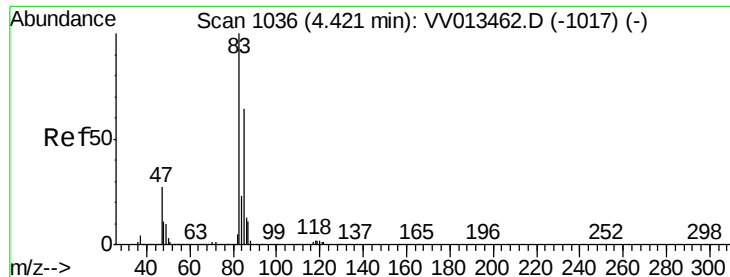


#23

Bromochloromethane
 Concen: 0.983 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion	Ratio	Lower	Upper
128	100		
49	167.7	118.2	219.4
130	143.3	89.0	165.4
51	50.4	42.2	63.4





#25

Chloroform

Concen: 1.796 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

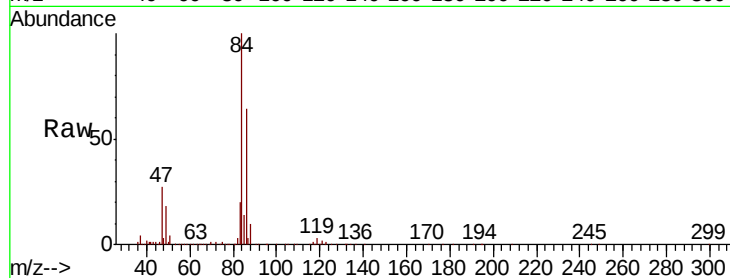
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 35474

Ion Ratio Lower Upper

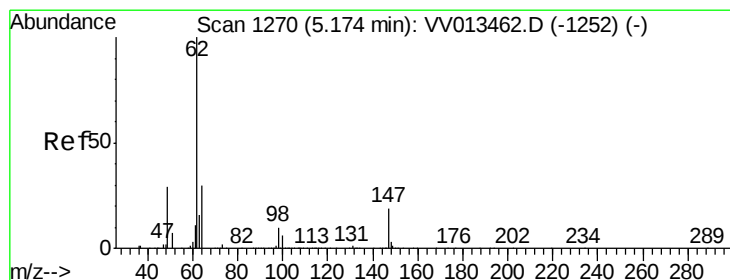
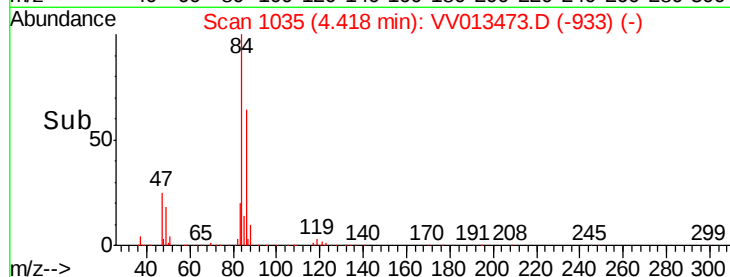
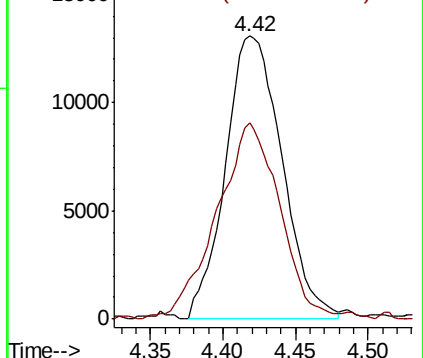
83 100

85 77.1 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV013462.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013462.D (-1017) (-)



#27

1,2-Dichloroethane

Concen: 1.034 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VV013473.D

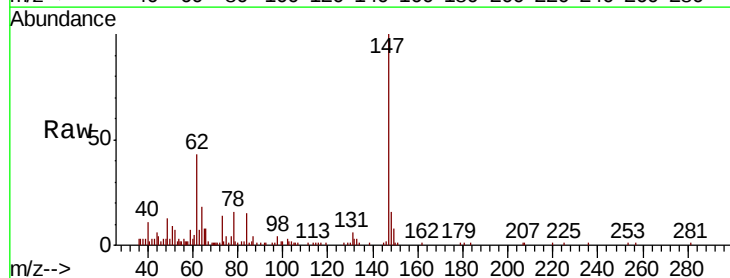
Acq: 01 Nov 2019 17:13

Tgt Ion: 62 Resp: 14184

Ion Ratio Lower Upper

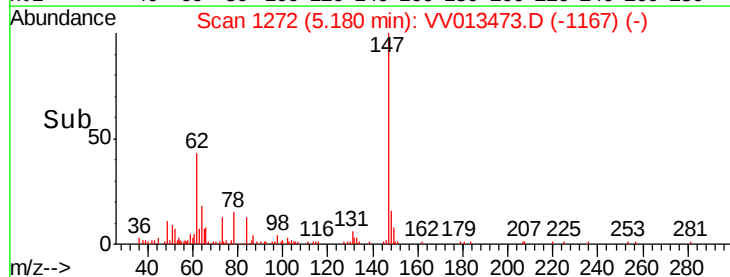
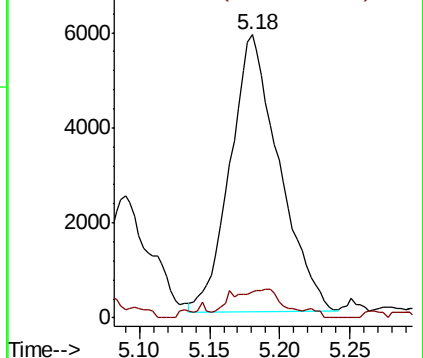
62 100

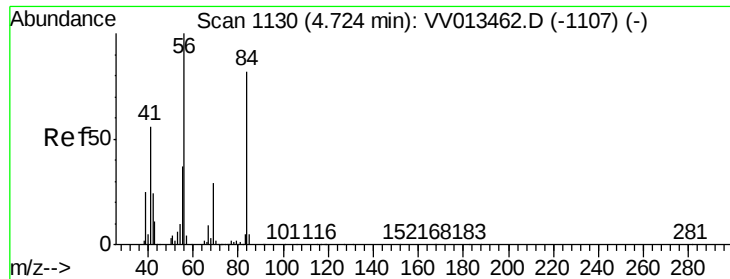
98 9.1 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VV013462.D (-1252) (-)

Ion 98.00 (97.70 to 98.70): VV013462.D (-1252) (-)

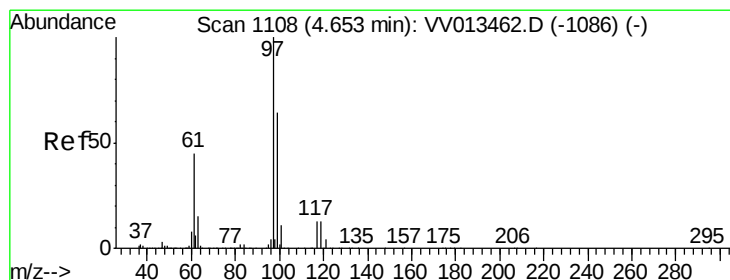
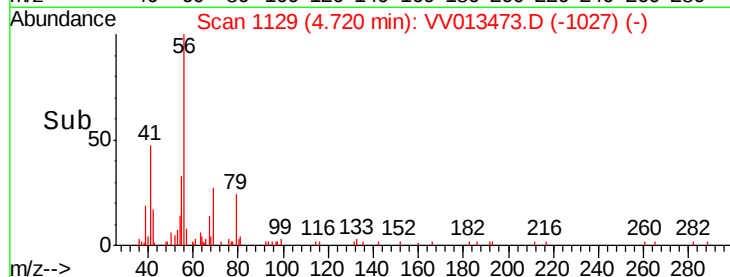
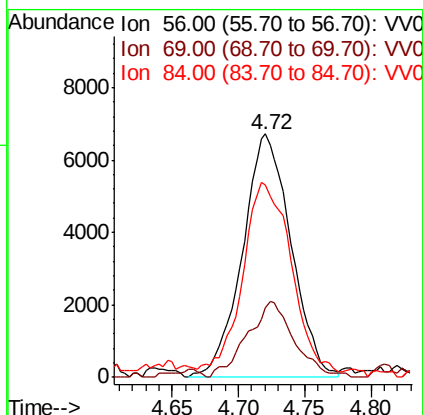
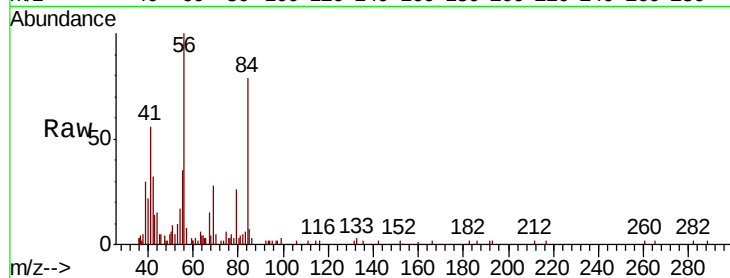




#30
Cyclohexane
Concen: 0.984 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

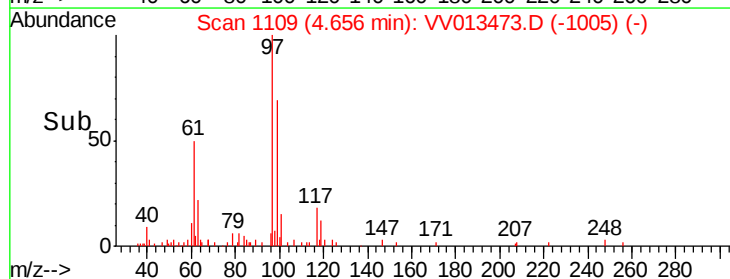
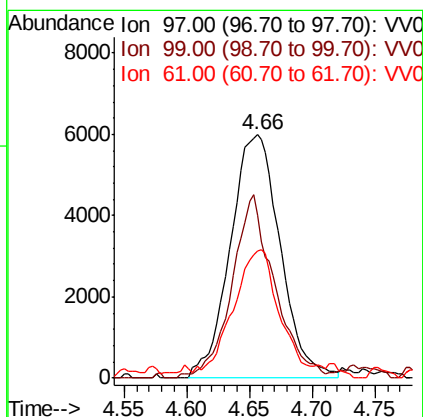
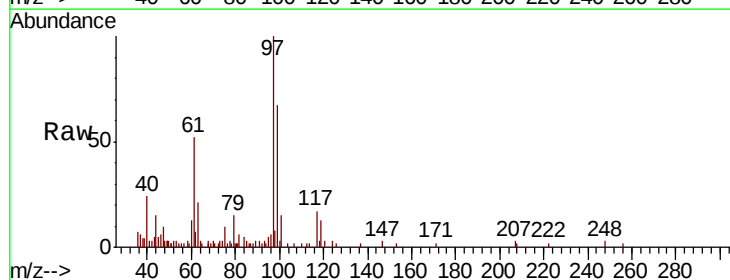
Instrument :
MSVOA_V
ClientSampleId :

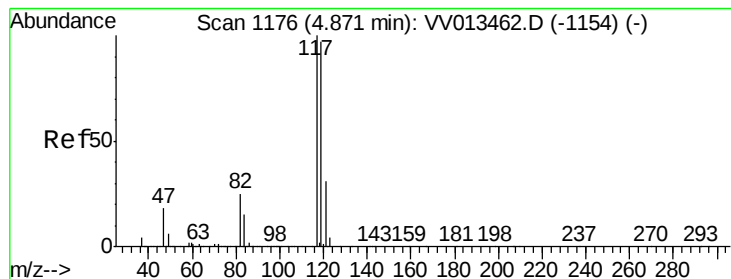
Tot Ion: 56 Resp: 17100
Ion Ratio Lower Upper
56 100
69 26.4 23.0 34.6
84 70.9 66.2 99.4



#31
1,1,1-Trichloroethane
Concen: 1.016 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion: 97 Resp: 16581
Ion Ratio Lower Upper
97 100
99 60.9 51.1 76.7
61 47.8 36.3 54.5





#32

Carbon tetrachloride

Concen: 1.023 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

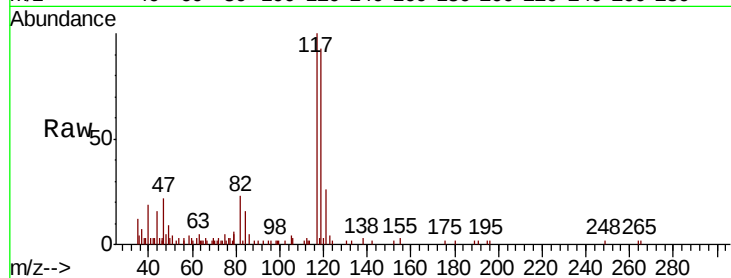
ClientSampleId :

Tot Ion:117 Resp: 14872

Ion Ratio Lower Upper

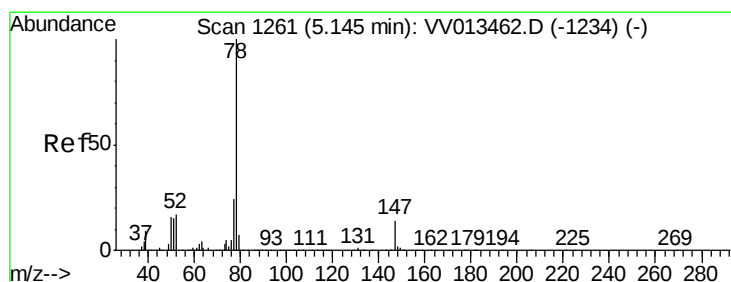
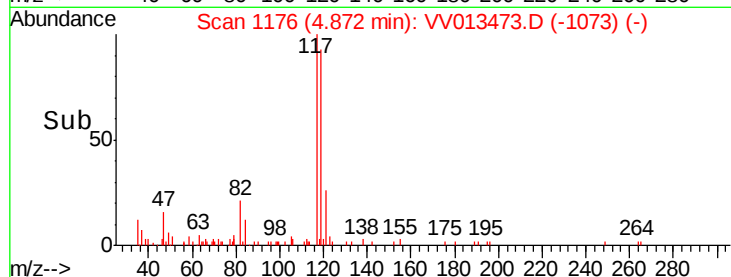
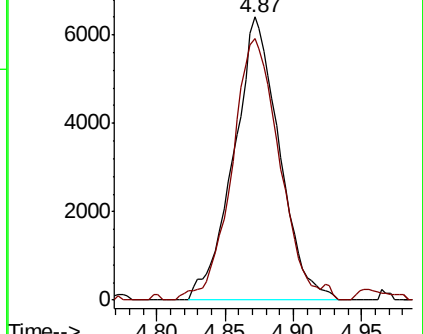
117 100

119 95.6 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.999 ug/L

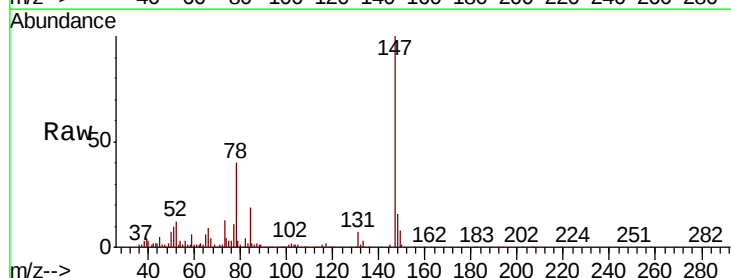
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

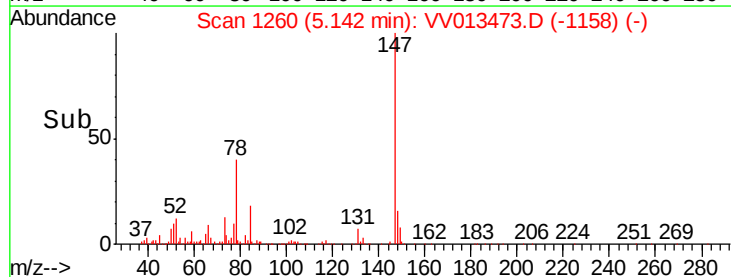
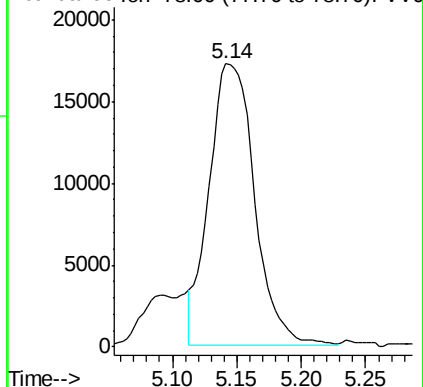
Lab File: VV013473.D

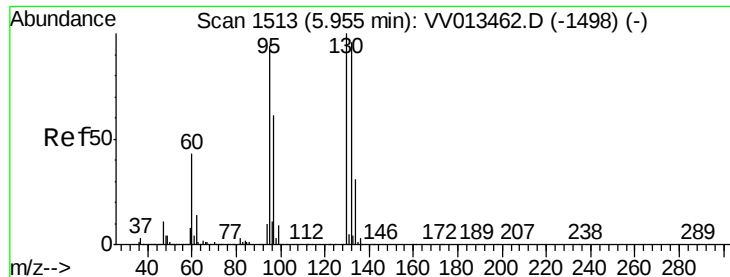
Acq: 01 Nov 2019 17:13

Tgt Ion: 78 Resp: 42155



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 1.077 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013473.D

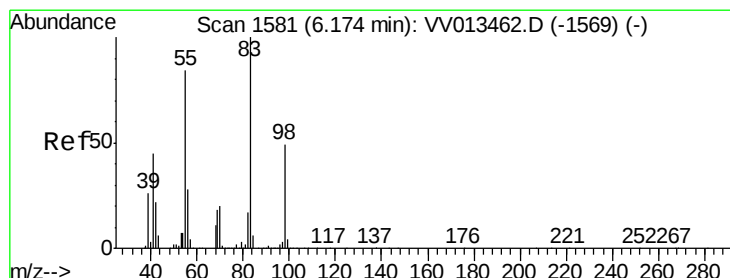
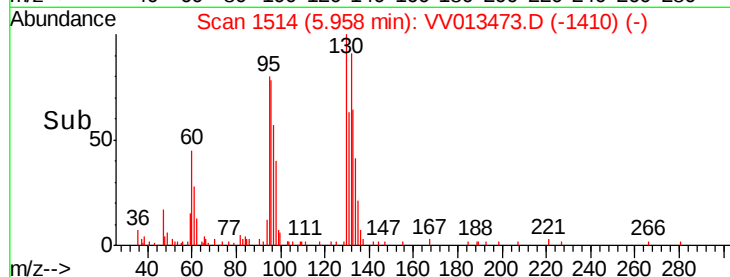
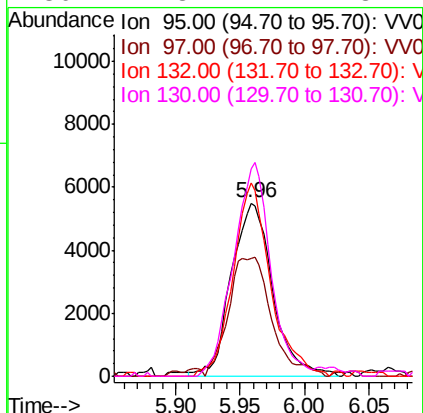
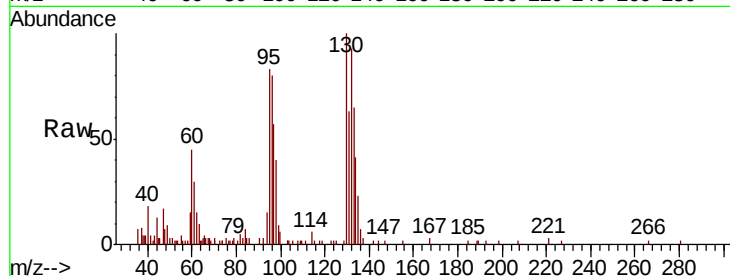
Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:	95	Resp:	12271
Ion	Ratio	Lower	Upper
95	100		
97	33.5	44.7	83.1#
132	101.1	71.0	131.8
130	111.3	74.1	137.7



#36

Methylcyclohexane

Concen: 0.988 ug/L

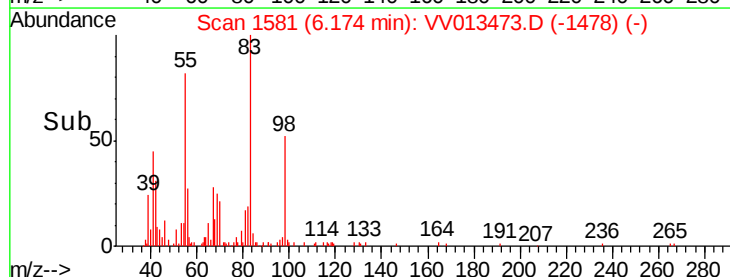
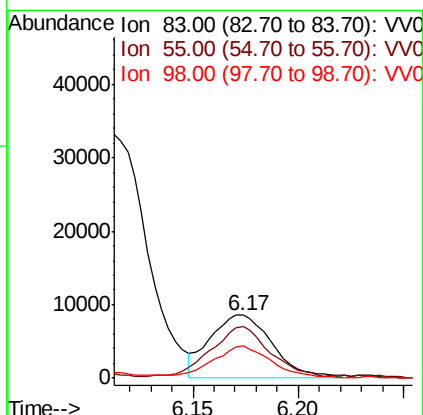
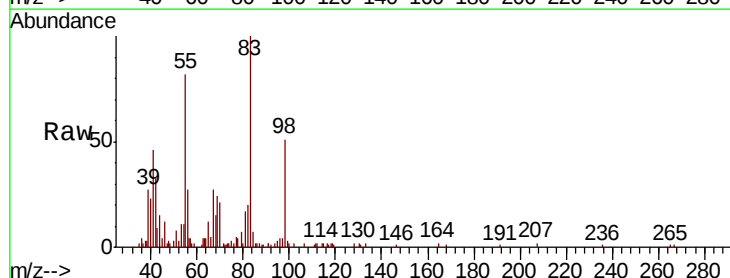
RT: 6.17 min Scan# 1581

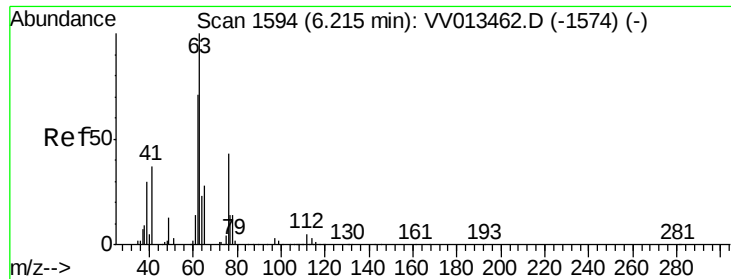
Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion:	83	Resp:	17621
Ion	Ratio	Lower	Upper
83	100		
55	72.7	64.2	96.4
98	47.8	38.4	57.6

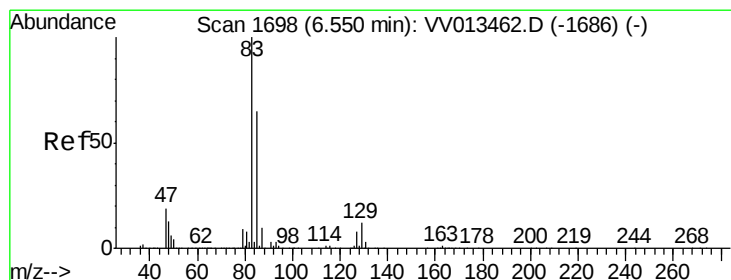
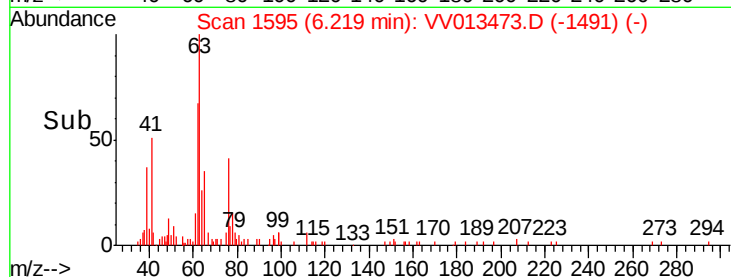
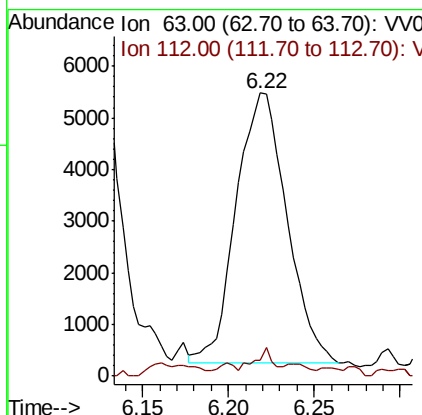
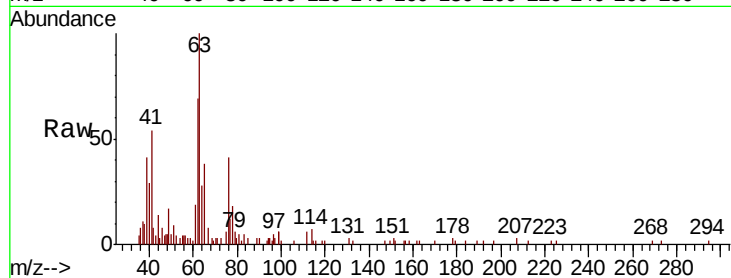




#40
 1,2-Dichloropropane
 Concen: 1.004 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

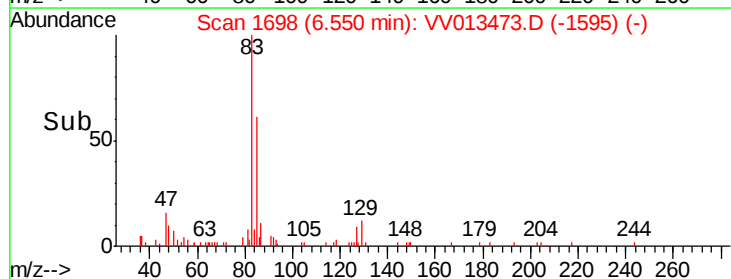
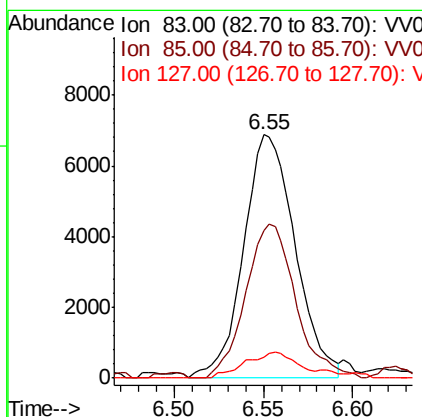
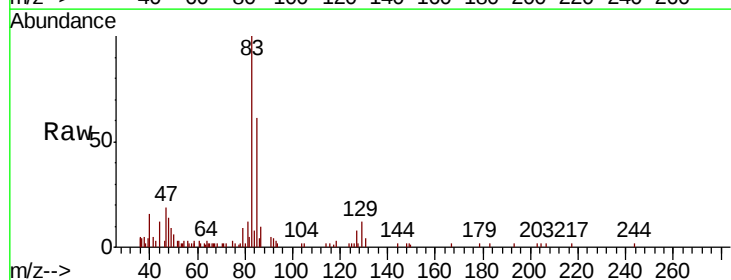
Instrument :
 MSVOA_V
 ClientSampled :

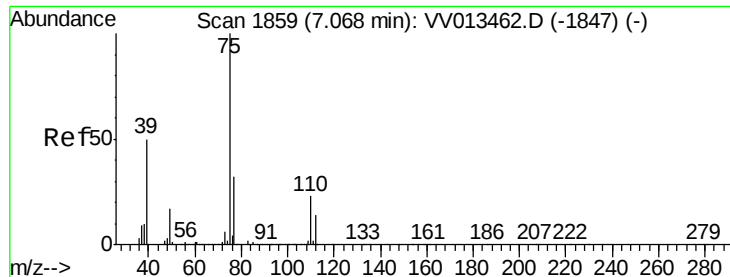
Tot Ion: 63 Resp: 10675
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.6#



#41
 Bromodichloromethane
 Concen: 1.015 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion: 83 Resp: 13884
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.4 84.4
 127 10.2 6.7 10.1#



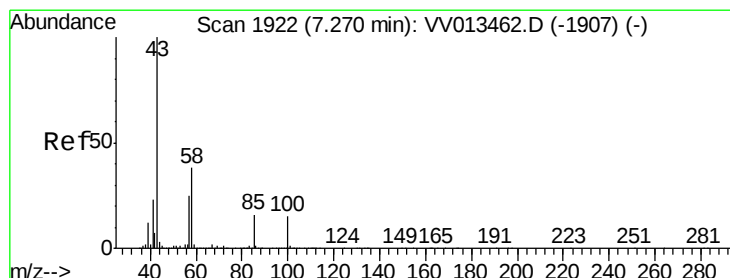
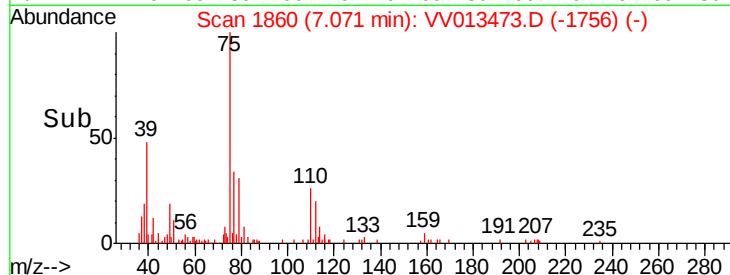
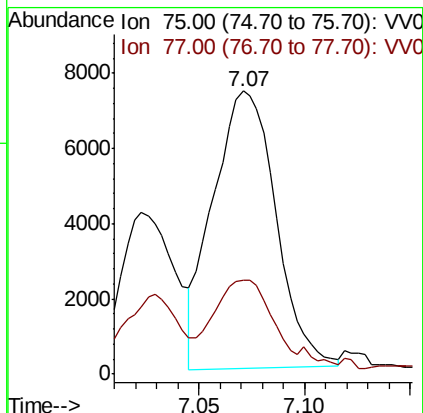
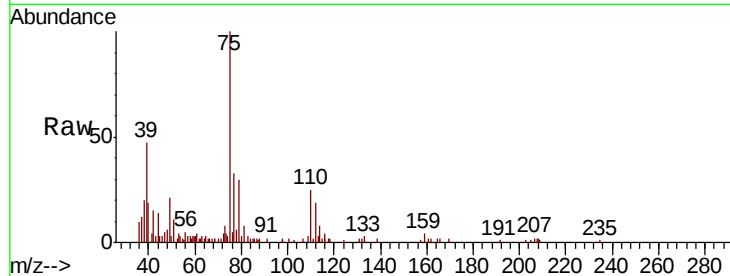


#42

cis-1,3-Dichloropropene
Concen: 0.968 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :

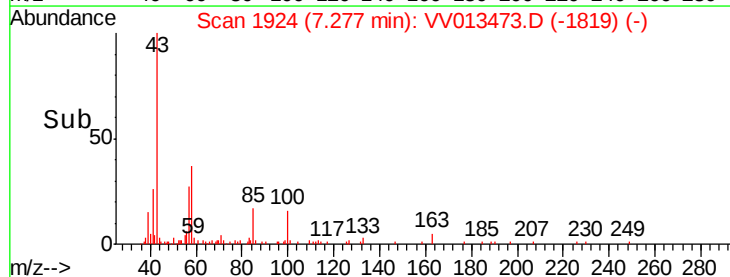
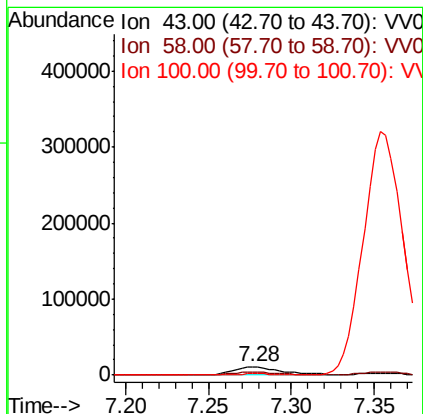
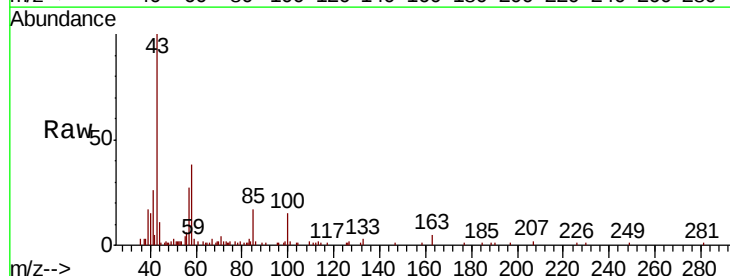
Tot Ion: 75 Resp: 15253
Ion Ratio Lower Upper
75 100
77 33.2 22.7 42.1

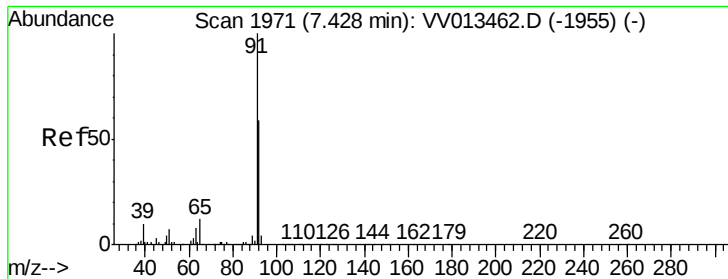


#43

4-Methyl-2-pentanone
Concen: 2.271 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion: 43 Resp: 22275
Ion Ratio Lower Upper
43 100
58 38.3 29.9 44.9
100 10.9 11.5 17.3#





#44

Toluene

Concen: 1.097 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

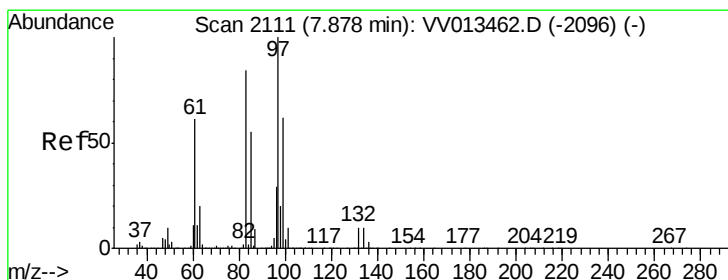
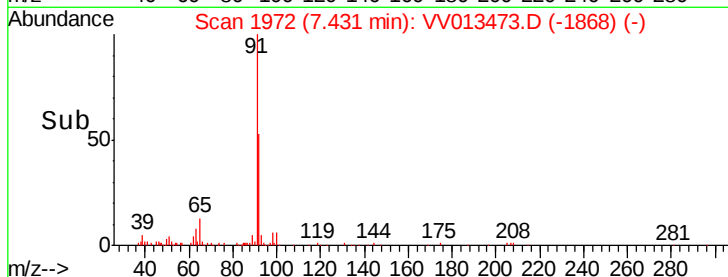
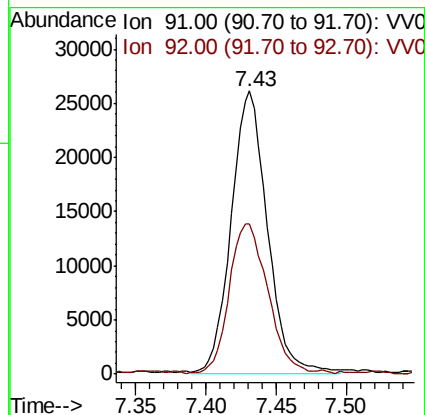
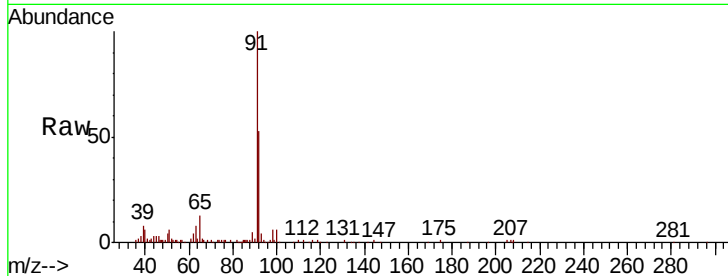
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 47300

Ion Ratio Lower Upper

91 100

92 52.9 41.4 76.8



#46

1,1,2-Trichloroethane

Concen: 1.037 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion: 97 Resp: 8829

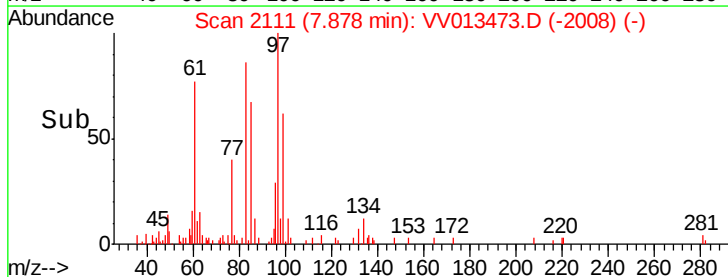
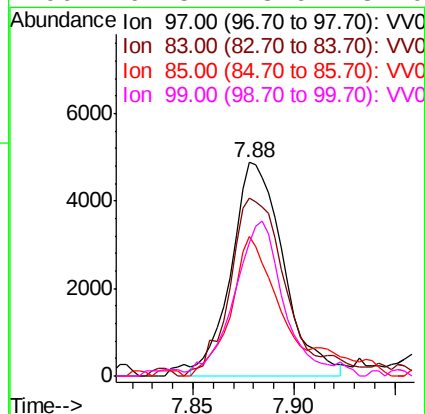
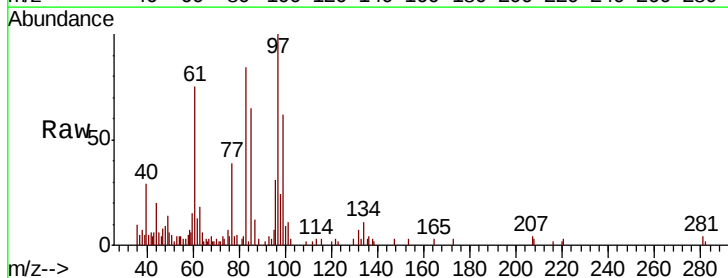
Ion Ratio Lower Upper

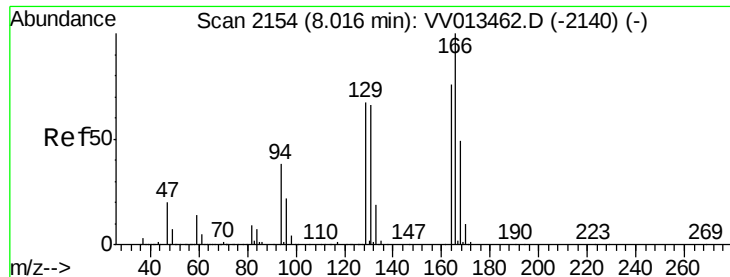
97 100

83 83.5 58.9 109.3

85 65.4 38.6 71.6

99 62.5 43.6 81.0





#47

Tetrachloroethene

Concen: 1.085 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 10484

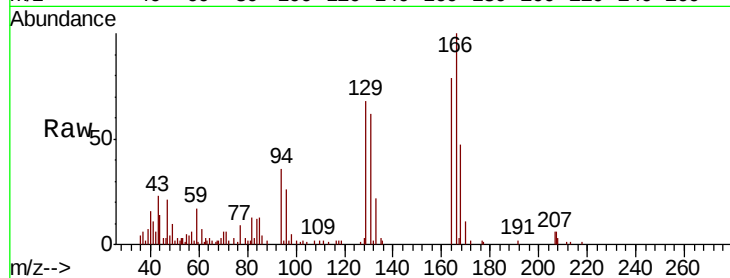
Ion Ratio Lower Upper

164 100

129 86.5 61.8 114.8

131 78.3 61.0 113.2

166 126.9 92.1 171.1

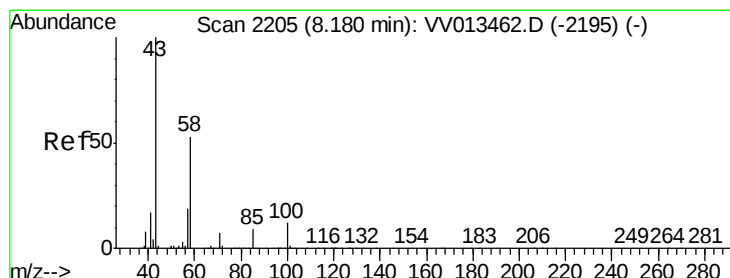
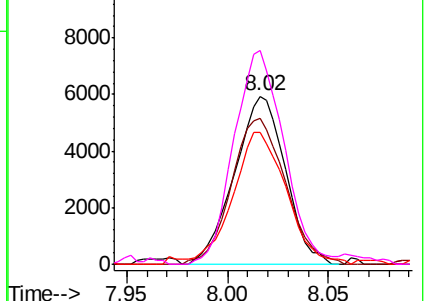
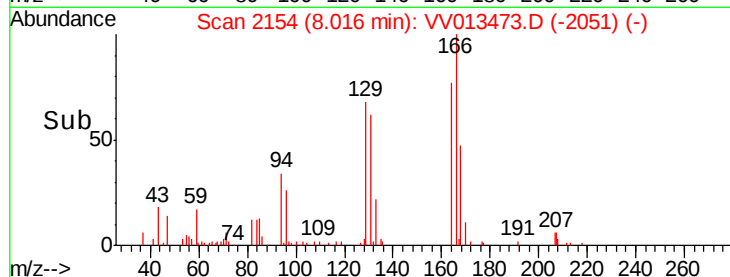


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.210 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.01 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion: 43 Resp: 30067

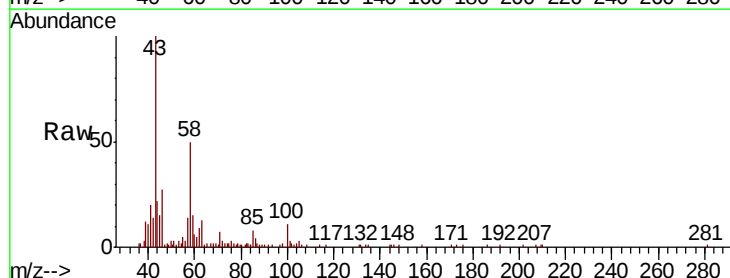
Ion Ratio Lower Upper

43 100

58 44.3 43.8 65.8

57 15.1 15.0 22.4

100 10.5 9.4 14.2

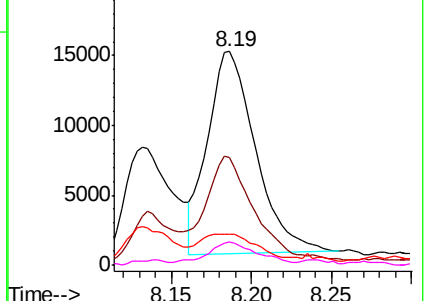
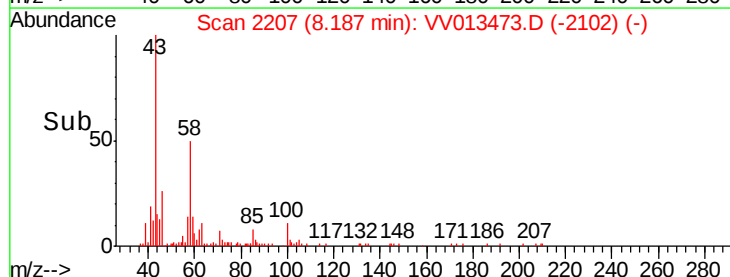


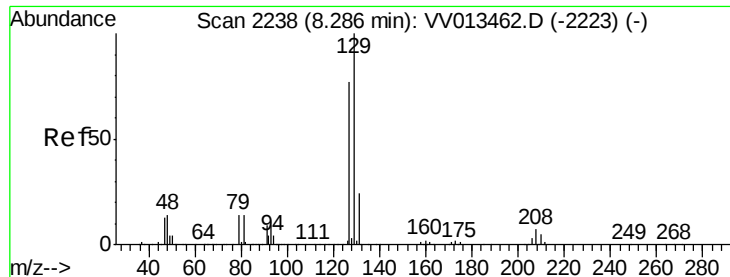
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 0.970 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

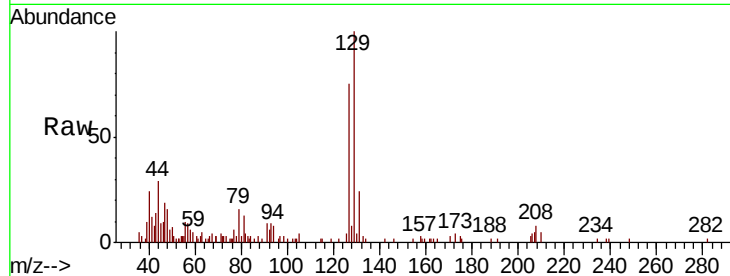
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 9881

Ion Ratio Lower Upper

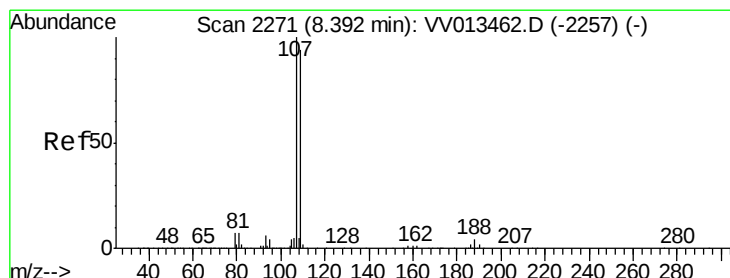
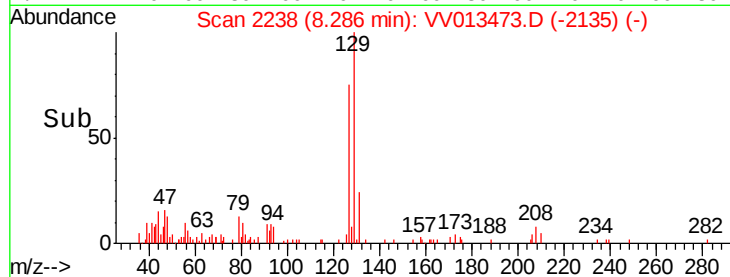
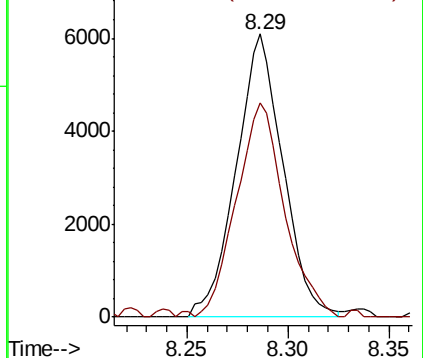
129 100

127 75.5 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: 1.047 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

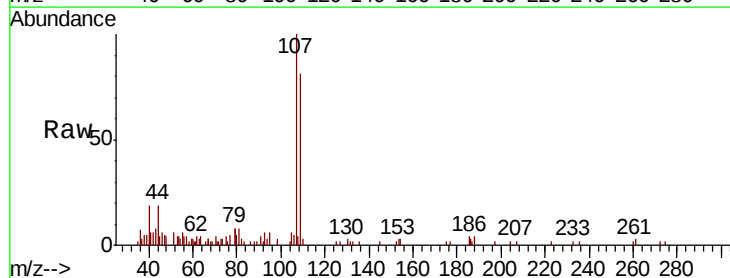
Tgt Ion:107 Resp: 9217

Ion Ratio Lower Upper

107 100

109 80.8 65.6 121.8

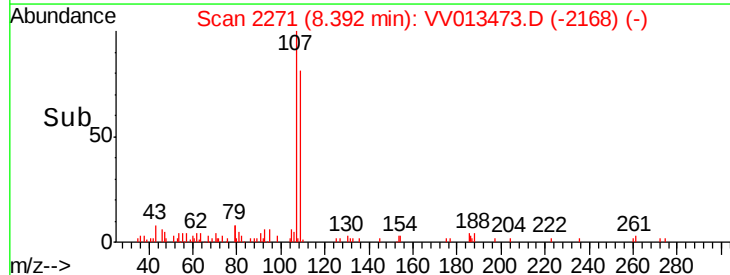
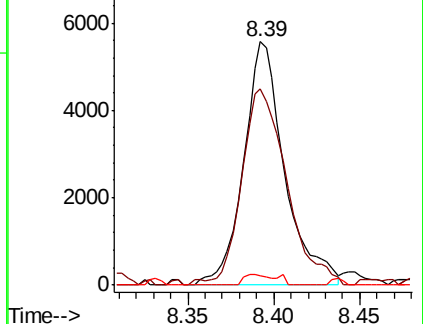
188 3.7 3.5 5.3

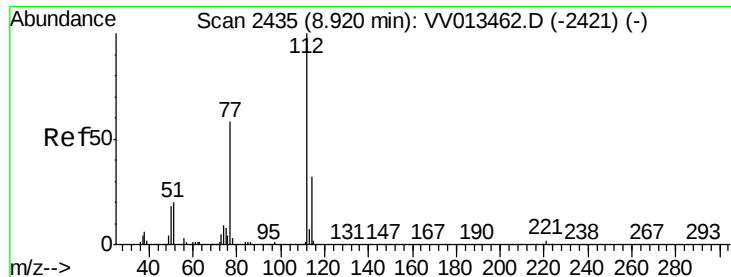


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 1.037 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :

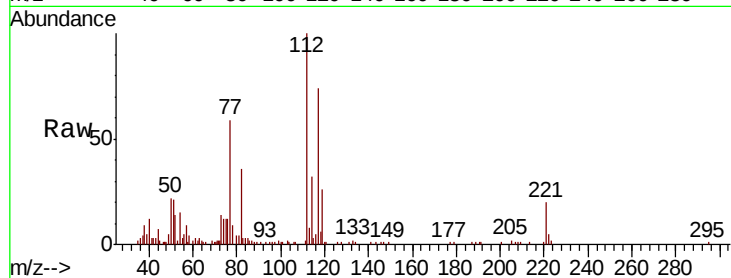
Tot Ion: 112 Resp: 30253

Ion Ratio Lower Upper

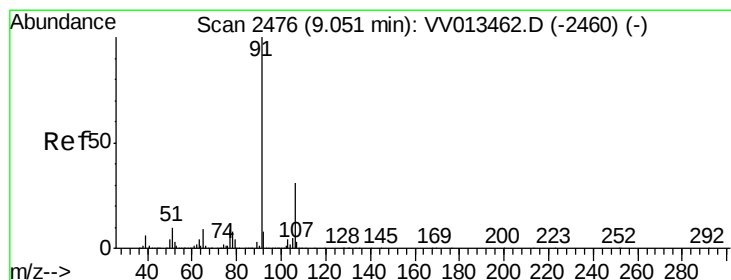
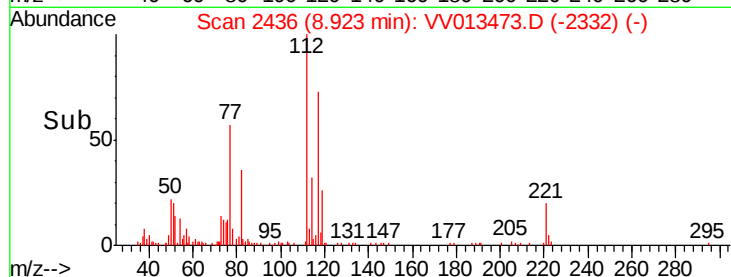
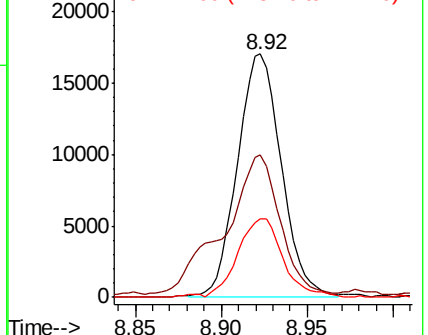
112 100

77 58.8 46.6 70.0

114 32.2 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



#53

Ethylbenzene

Concen: 0.942 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013473.D

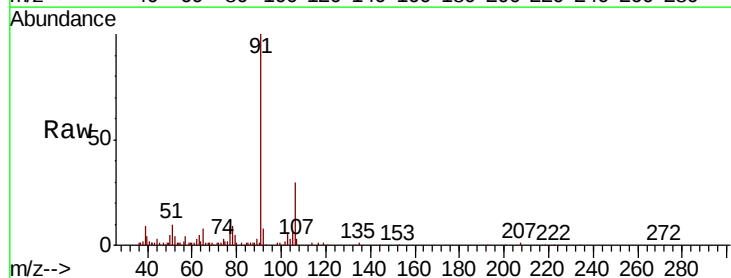
Acq: 01 Nov 2019 17:13

Tgt Ion: 91 Resp: 44777

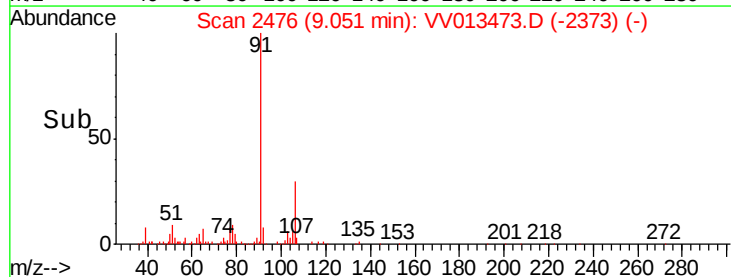
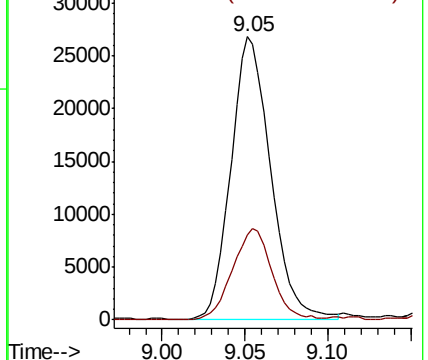
Ion Ratio Lower Upper

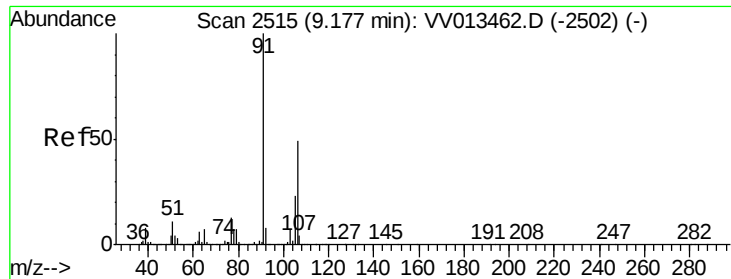
91 100

106 30.0 21.5 39.9



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





#54

m,p-Xylene

Concen: 0.906 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

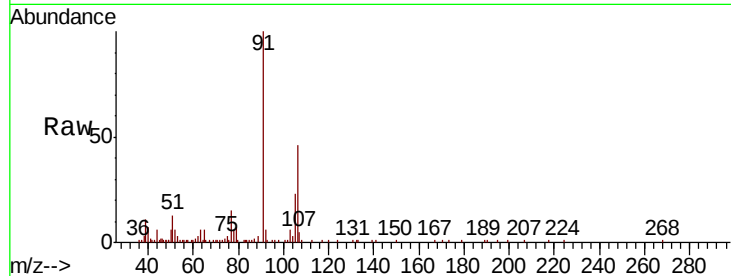
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 16197

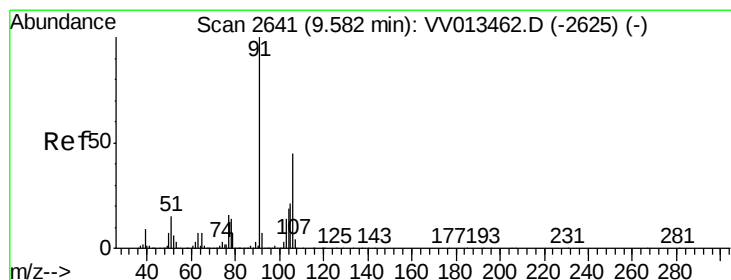
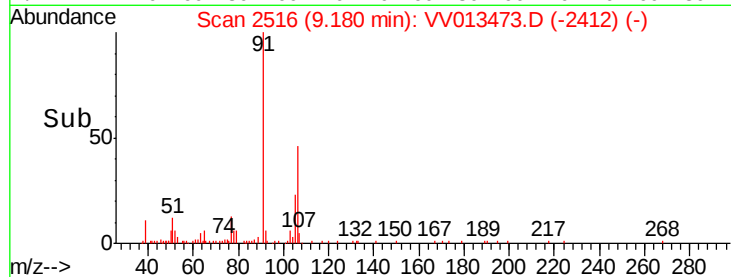
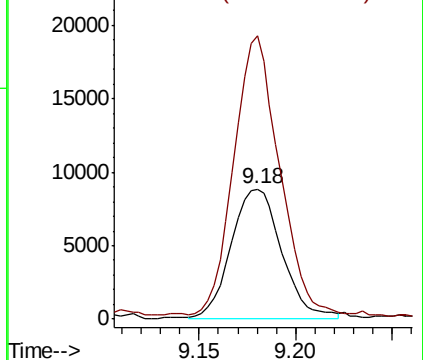
Ion Ratio Lower Upper

106 100

91 218.0 141.7 263.1



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



#55

o-xylene

Concen: 0.859 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013473.D

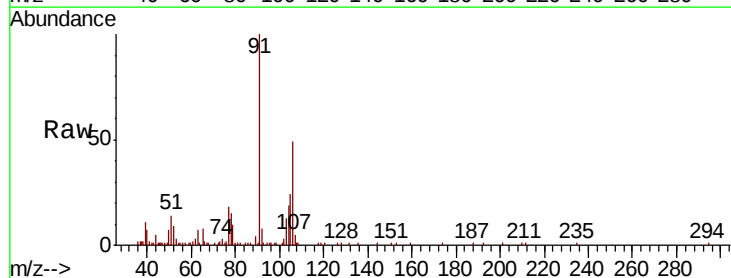
Acq: 01 Nov 2019 17:13

Tgt Ion:106 Resp: 14518

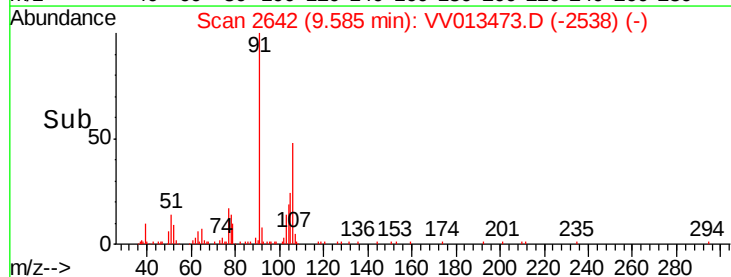
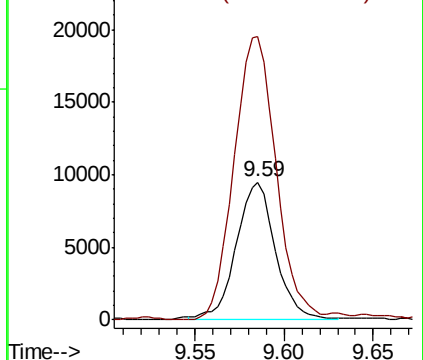
Ion Ratio Lower Upper

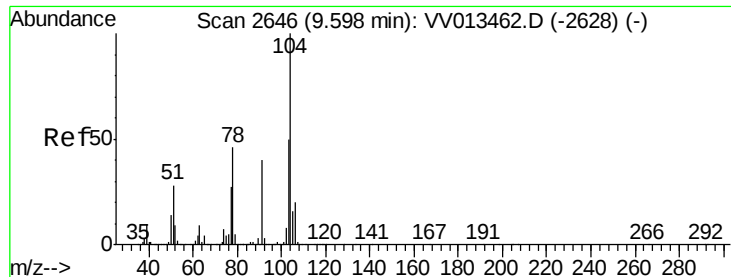
106 100

91 205.4 154.2 286.4



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

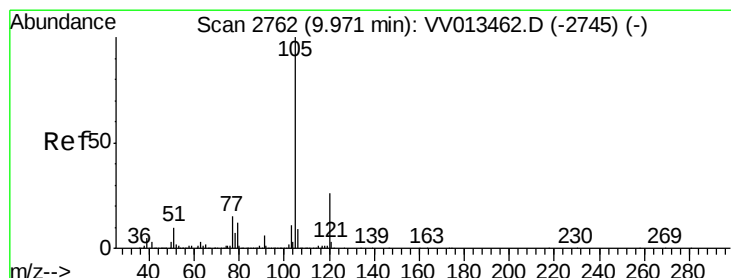
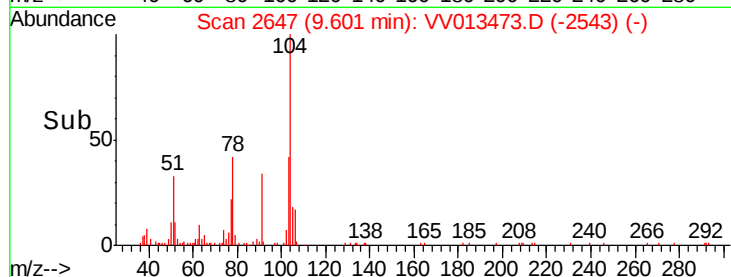
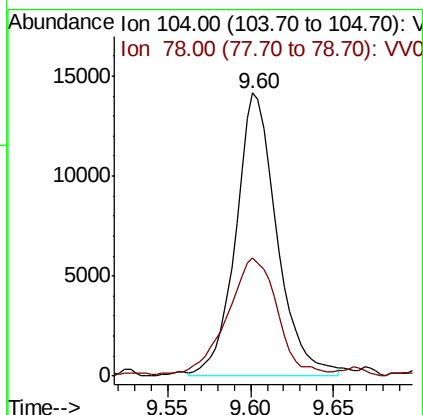
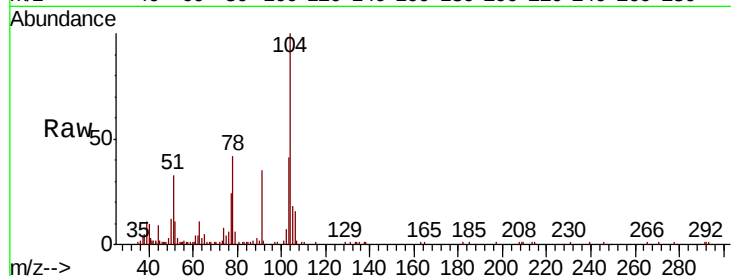




#56
Stvrene
Concen: 0.829 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

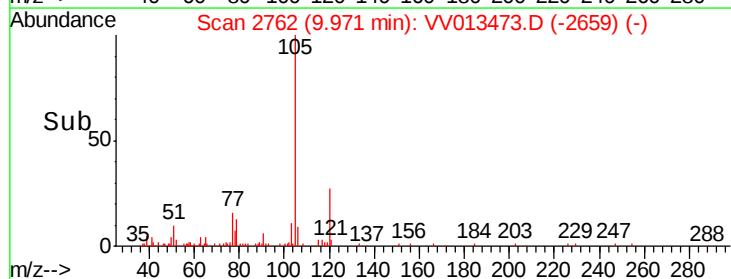
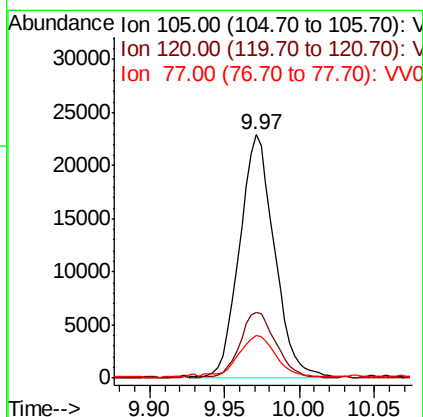
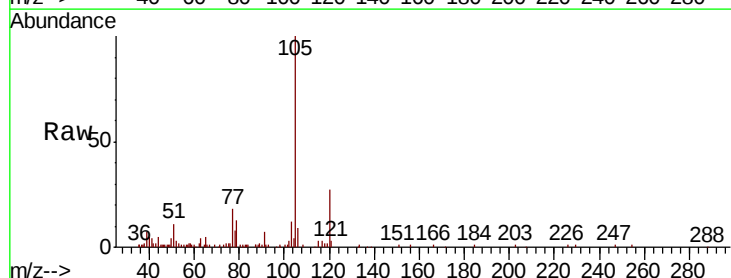
Instrument :
MSVOA_V
ClientSampleId :

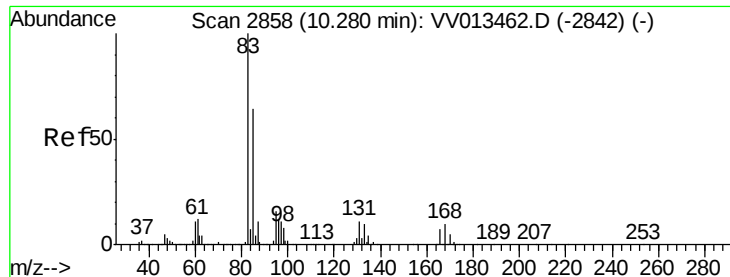
Tot Ion:104 Resp: 24284
Ion Ratio Lower Upper
104 100
78 41.7 32.1 59.5



#57
Isopropylbenzene
Concen: 0.820 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013473.D
Acq: 01 Nov 2019 17:13

Tgt Ion:105 Resp: 37407
Ion Ratio Lower Upper
105 100
120 27.0 21.1 31.7
77 17.3 12.3 18.5





#58

1,1,2,2-Tetrachloroethane

Concen: 1.195 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

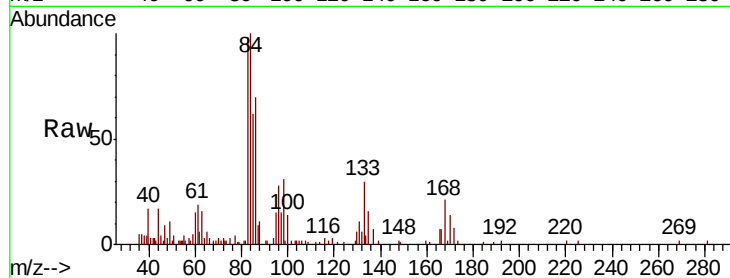
Tot Ion: 83 Resp: 13051

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.7

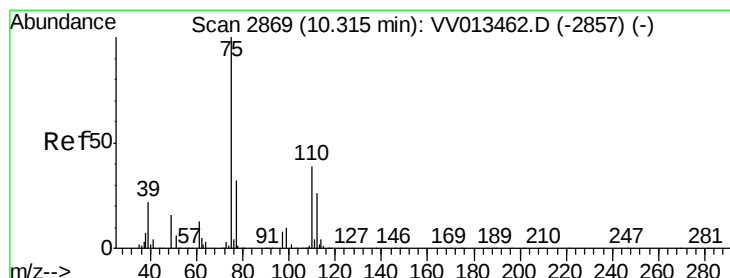
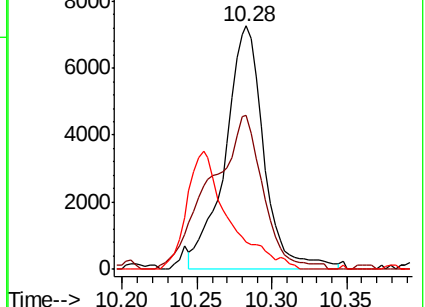
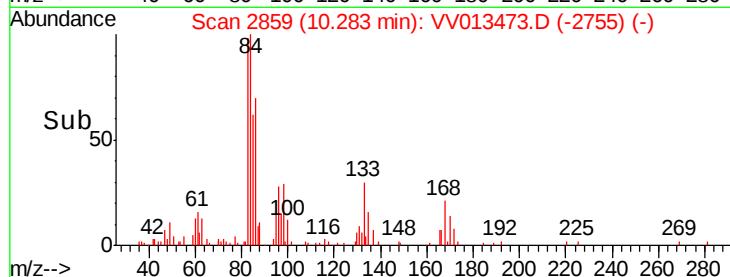
131 11.2 8.5 12.7



Abundance Ion 83.00 (82.70 to 83.70): VV013473.D (-2755) (-)

Ion 85.00 (84.70 to 85.70): VV013473.D (-2755) (-)

Ion 131.00 (130.70 to 131.70): VV013473.D (-2755) (-)



#59

1,2,3-Trichloropropane

Concen: 1.096 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013473.D

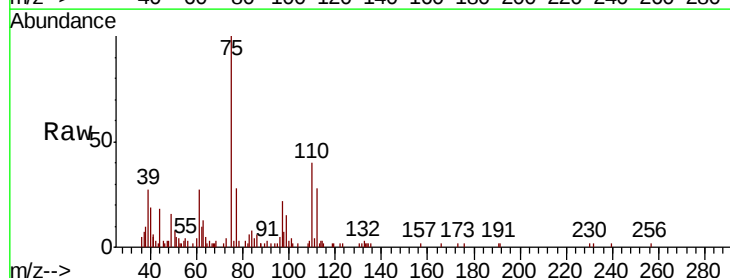
Acq: 01 Nov 2019 17:13

Tgt Ion: 75 Resp: 10038

Ion Ratio Lower Upper

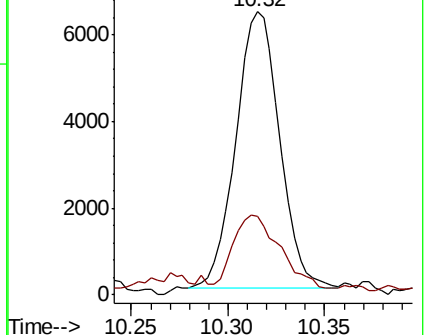
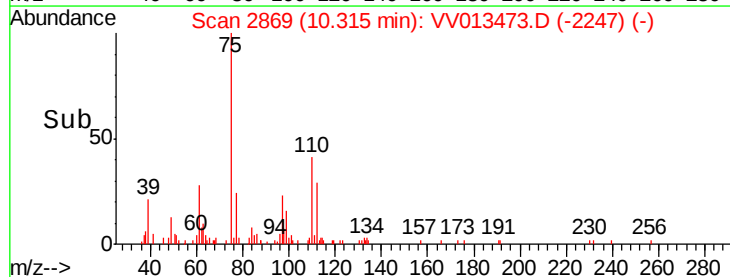
75 100

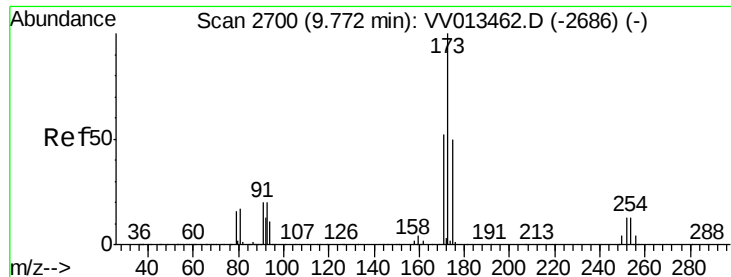
77 27.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013473.D (-2247) (-)

Ion 77.00 (76.70 to 77.70): VV013473.D (-2247) (-)





#62

Bromoform

Concen: 0.968 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :
MSVOA_V
ClientSampleId :

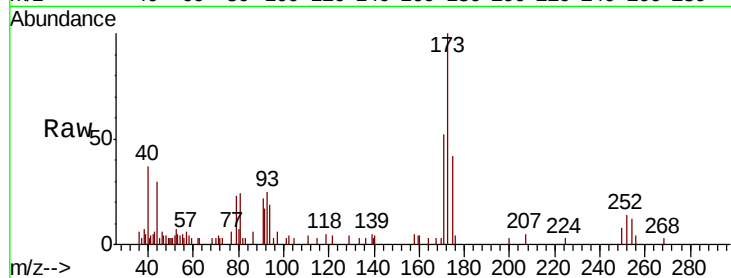
Tot Ion:173 Resp: 6198

Ion Ratio Lower Upper

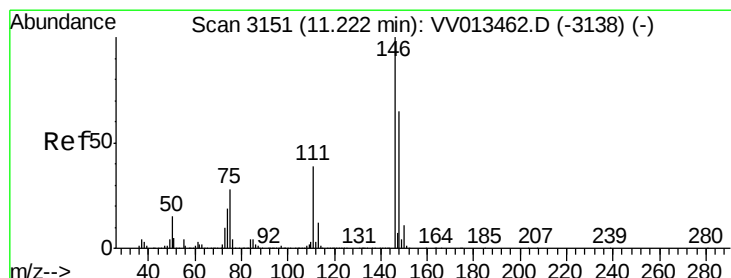
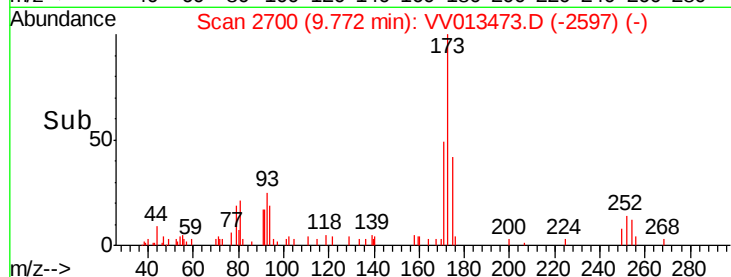
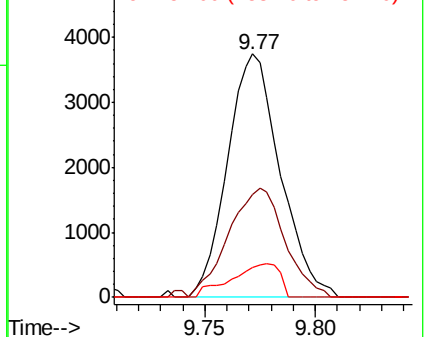
173 100

175 47.9 39.4 59.0

254 11.1 10.1 15.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 1.051 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

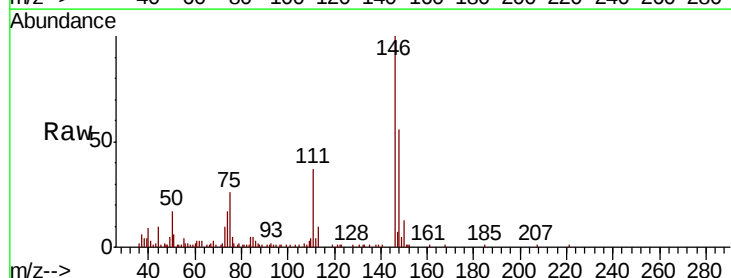
Tgt Ion:146 Resp: 23448

Ion Ratio Lower Upper

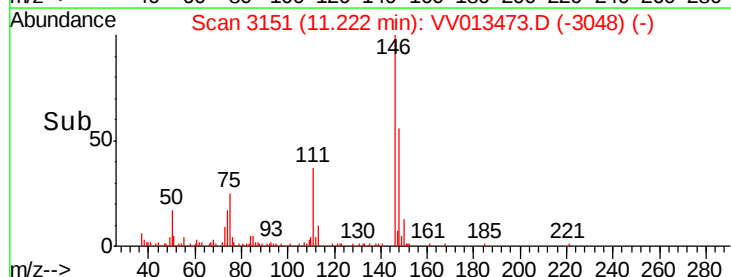
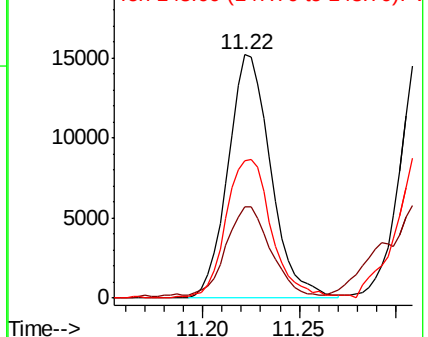
146 100

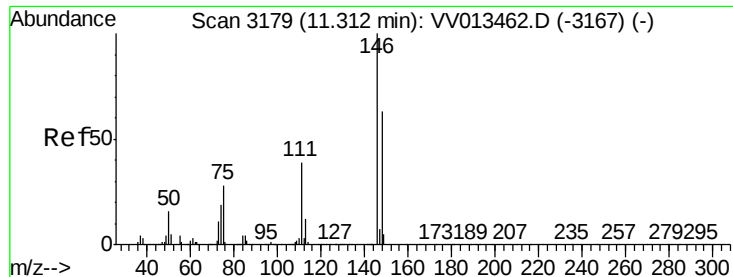
111 37.4 27.1 50.3

148 56.3 45.4 84.2



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





#64

1,4-Dichlorobenzene

Concen: 1.127 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

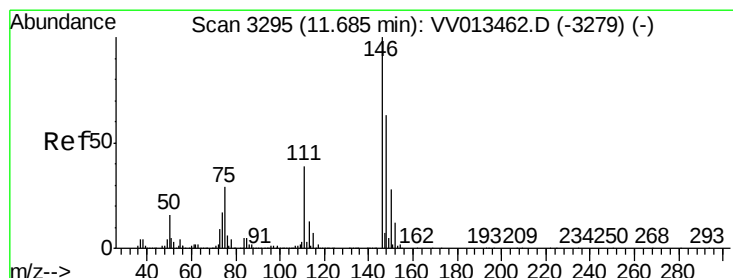
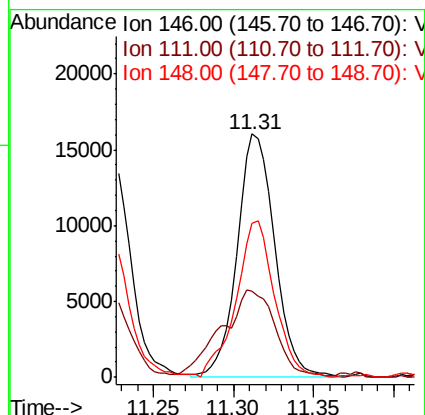
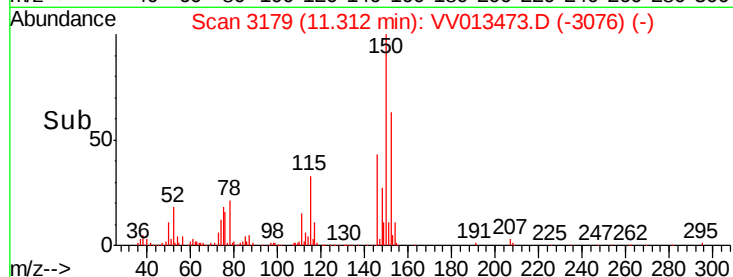
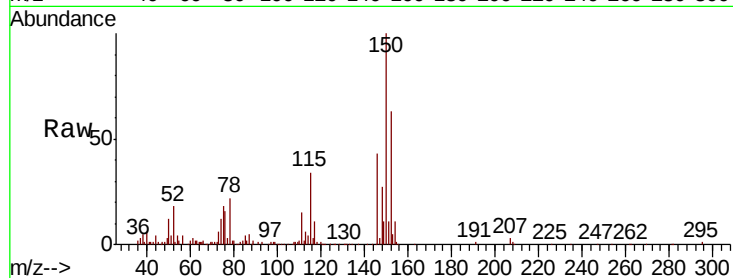
Tot Ion:146 Resp: 25721

Ion Ratio Lower Upper

146 100

111 35.3 27.2 50.6

148 63.3 44.4 82.5



#65

1,2-Dichlorobenzene

Concen: 1.168 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

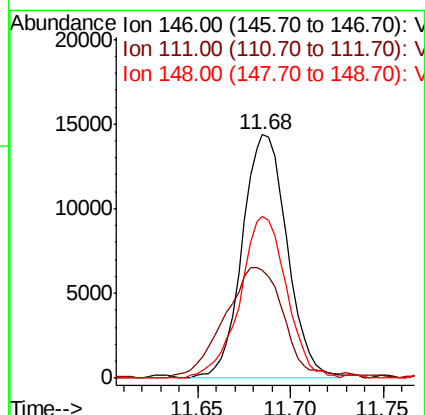
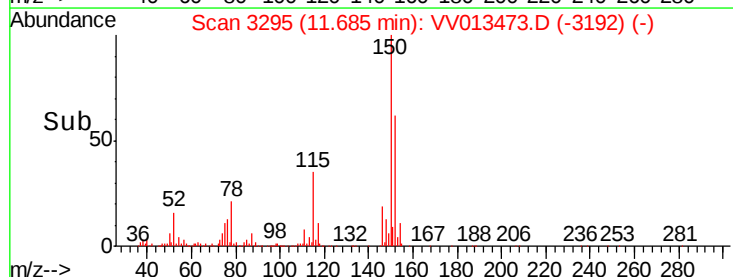
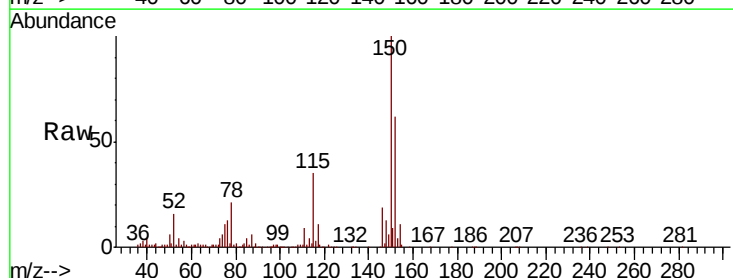
Tgt Ion:146 Resp: 24229

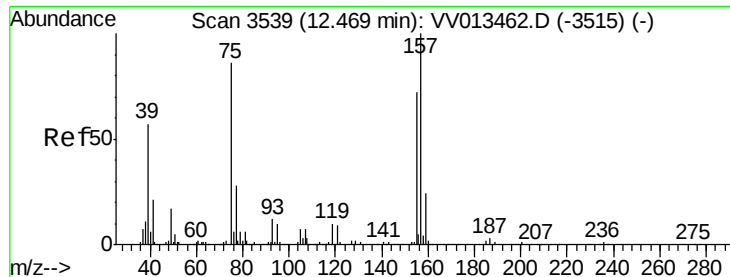
Ion Ratio Lower Upper

146 100

111 44.3 31.4 47.2

148 66.6 50.5 75.7





#66

1,2-Dibromo-3-chloropropane

Concen: 1.208 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.01 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampled :

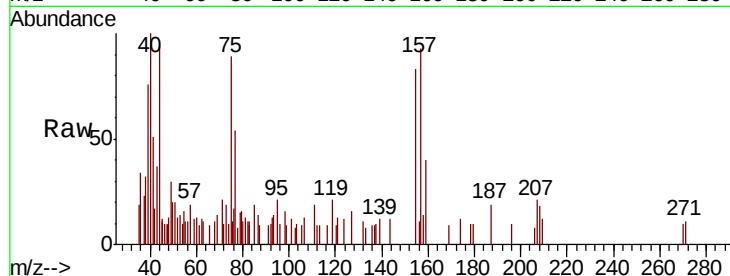
Tot Ion: 75 Resp: 2305

Ion Ratio Lower Upper

75 100

157 93.6 93.2 139.8

155 84.2 66.9 100.3

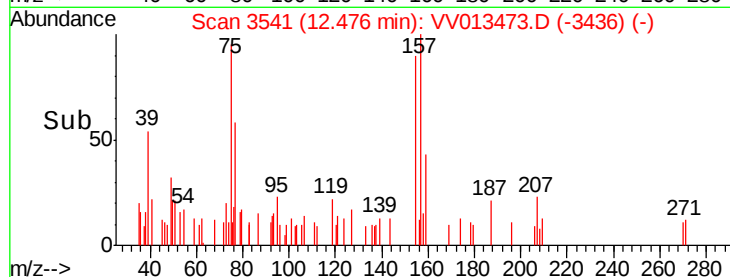


Abundance Ion 75.00 (74.70 to 75.70): VV013462.D (-3515) (-)

Ion 157.00 (156.70 to 157.70): VV013462.D (-3515) (-)

Ion 155.00 (154.70 to 155.70): VV013462.D (-3515) (-)

Time-->

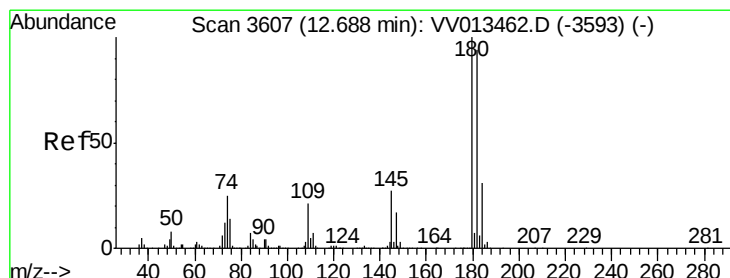


Abundance Ion 75.00 (74.70 to 75.70): VV013473.D (-3436) (-)

Ion 157.00 (156.70 to 157.70): VV013473.D (-3436) (-)

Ion 155.00 (154.70 to 155.70): VV013473.D (-3436) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 1.110 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Tgt Ion: 180 Resp: 19591

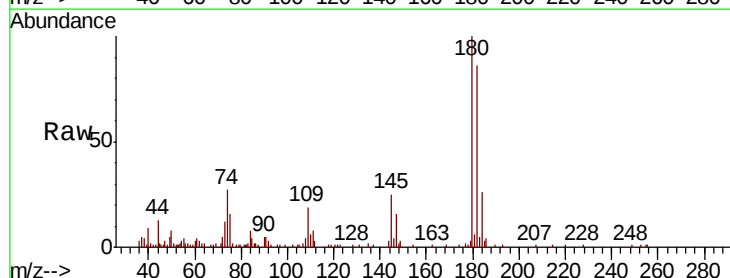
Ion Ratio Lower Upper

180 100

182 91.1 74.8 112.2

184 29.5 24.3 36.5

145 26.2 21.1 31.7



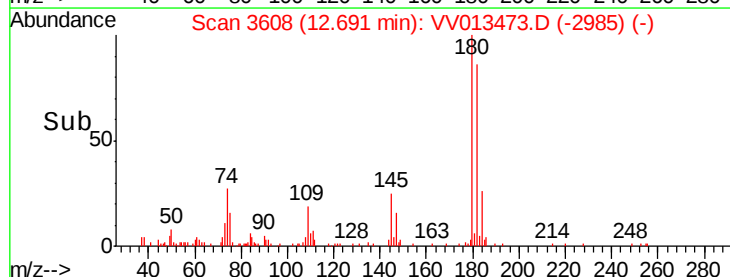
Abundance Ion 180.00 (179.70 to 180.70): VV013462.D (-3593) (-)

Ion 182.00 (181.70 to 182.70): VV013462.D (-3593) (-)

Ion 184.00 (183.70 to 184.70): VV013462.D (-3593) (-)

Ion 145.00 (144.70 to 145.70): VV013462.D (-3593) (-)

Time-->



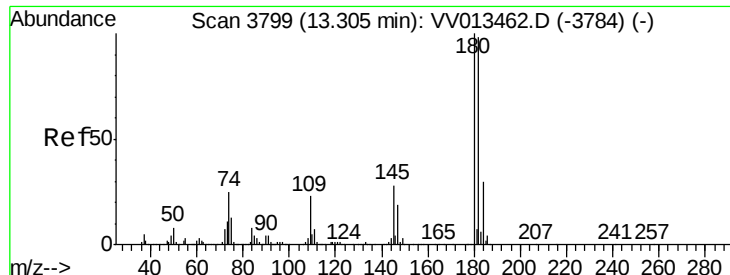
Abundance Ion 180.00 (179.70 to 180.70): VV013473.D (-2985) (-)

Ion 182.00 (181.70 to 182.70): VV013473.D (-2985) (-)

Ion 184.00 (183.70 to 184.70): VV013473.D (-2985) (-)

Ion 145.00 (144.70 to 145.70): VV013473.D (-2985) (-)

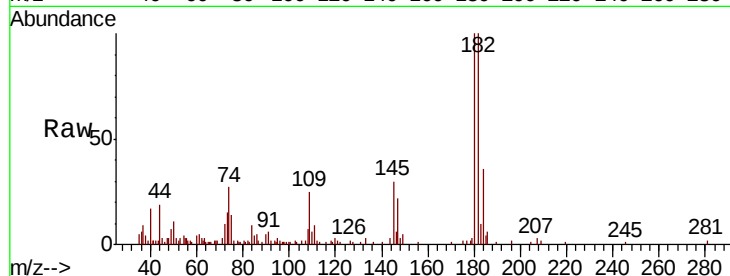
Time-->



#68
 1,2,4-trichlorobenzene
 Concen: 1.039 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	182	145
Resp:	15630		
Ion Ratio	100	93.6	27.2
Lower		77.4	22.3
Upper		116.0	33.5

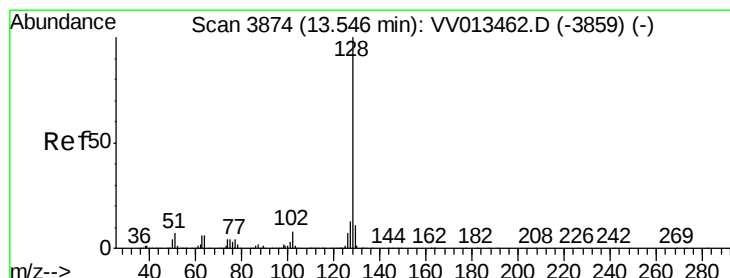
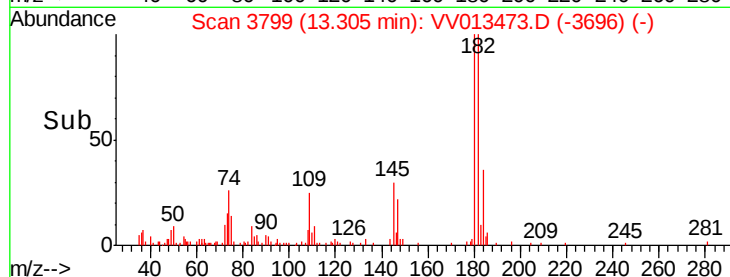
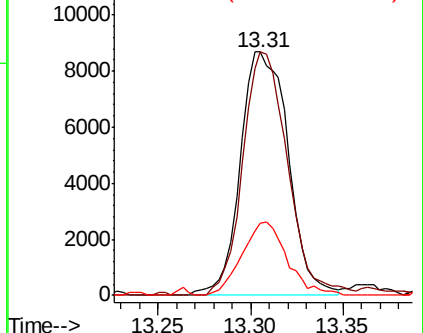


Abundance

Ion 180.00 (179.70 to 180.70): V

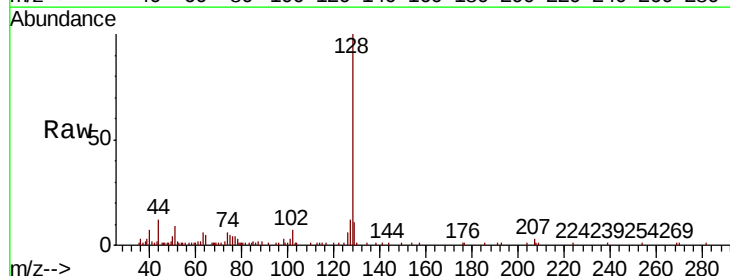
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 0.923 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013473.D
 Acq: 01 Nov 2019 17:13

Tgt Ion	128	129	127
Resp:	26867		
Ion Ratio	100	11.2	13.9
Lower		8.6	10.5
Upper		13.0	15.7

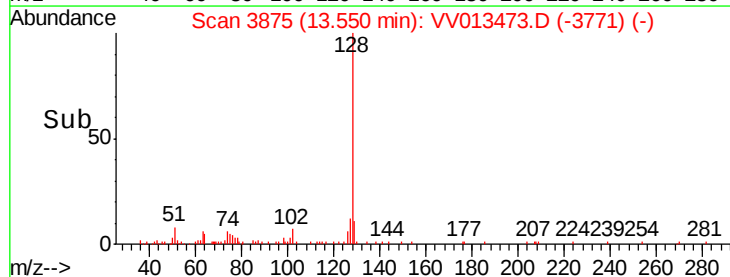
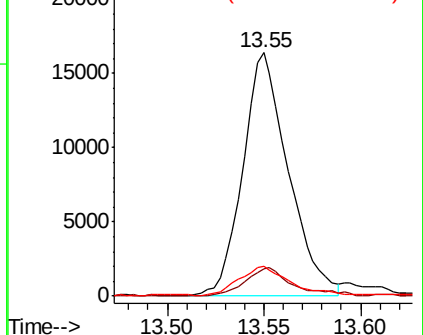


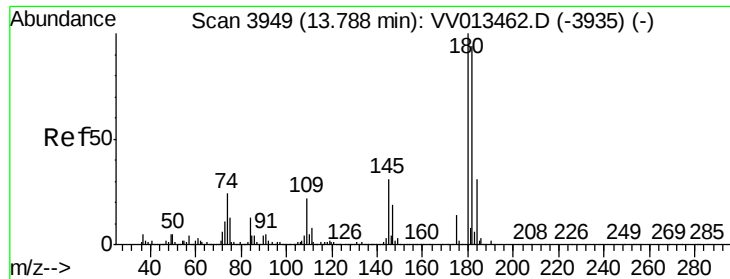
Abundance

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: 1.040 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013473.D

Acq: 01 Nov 2019 17:13

Instrument :

MSVOA_V

ClientSampleId :

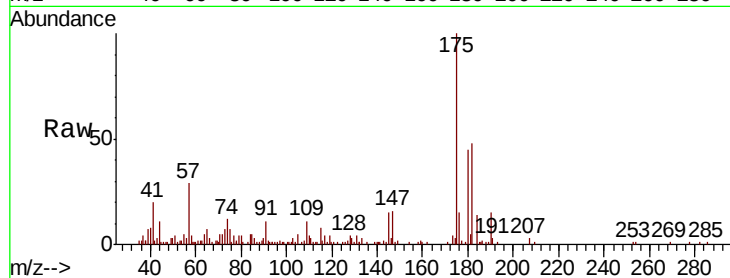
Tot Ion:180 Resp: 14632

Ion Ratio Lower Upper

180 100

182 99.8 75.2 112.8

145 35.6 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

