

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013119.D
 Acq On : 11 Oct 2019 23:08
 Operator : SY/MD
 Sample : MDL07 2.5PPB
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:31:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	684653	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	644084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	267222	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	234298	54.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.28%
7) Chloroethane-d5	1.58	69	202934	57.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.42%
11) 1,1-Dichloroethene-d2	2.13	63	334719	41.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.00%
21) 2-Butanone-d5	3.92	46	367024	112.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.79%
24) Chloroform-d	4.40	84	451185	54.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.32%
26) 1,2-Dichloroethane-d4	5.08	65	293712	57.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.38%
32) Benzene-d6	5.10	84	965752	56.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.12	67	308760	57.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.70%
41) Toluene-d8	7.36	98	825185	53.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.32%
43) trans-1,3-Dichloropropene-	7.66	79	125555	51.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.96%
47) 2-Hexanone-d5	8.13	63	232173	108.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	371530	53.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.94%
64) 1,2-Dichlorobenzene-d4	11.67	152	313954	59.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	12211	2.299	ug/L	100
3) Chloromethane	1.25	50	15154	2.508	ug/L	97
5) Vinyl chloride	1.33	62	13262	2.284	ug/L #	59
6) Bromomethane	1.53	94	8900	2.996	ug/L	99
8) Chloroethane	1.60	64	9024	2.613	ug/L	94
9) Trichlorofluoromethane	1.77	101	17191	2.308	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13125	2.991	ug/L #	81
12) 1,1-Dichloroethene	2.14	96	11955	2.816	ug/L #	1
13) Acetone	2.19	43	11086	3.710	ug/L	96
14) Carbon disulfide	2.32	76	27854	2.262	ug/L	96
15) Methyl Acetate	2.46	43	11251	2.125	ug/L	98
16) Methylene chloride	2.54	84	12481	2.471	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	10670	2.316	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	29201	2.100	ug/L	99
19) 1,1-Dichloroethane	3.23	63	19176	2.207	ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	11316	2.171	ug/L	92
22) 2-Butanone	4.02	43	12577	3.307	ug/L	75

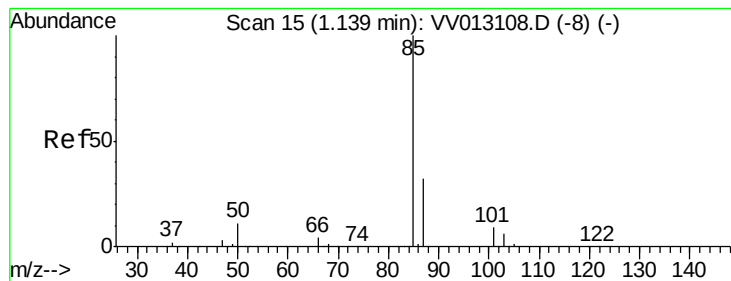
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.43	83	24814	2.834	ug/L	96
27) 1,2-Dichloroethane	5.18	62	16213	2.416	ug/L	95
29) Cyclohexane	4.73	56	15956	2.069	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	15566	2.178	ug/L	98
31) Carbon tetrachloride	4.88	117	14306	2.253	ug/L	99
33) Benzene	5.15	78	42315	2.157	ug/L	100
34) Trichloroethene	5.96	95	11676	2.235	ug/L	96
35) Methylcyclohexane	6.17	83	16458	2.083	ug/L	99
37) 1,2-Dichloropropane	6.22	63	12192	2.400	ug/L #	93
38) Bromodichloromethane	6.55	83	13891	2.149	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	14609	1.945	ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	24644	3.706	ug/L	97
42) Toluene	7.43	91	45850	2.270	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	13487	2.071	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	11017	2.284	ug/L	94
46) Tetrachloroethene	8.02	164	9344	2.260	ug/L	93
48) 2-Hexanone	8.18	43	32262	6.274	ug/L #	88
49) Dibromochloromethane	8.29	129	10803	2.055	ug/L	97
50) 1,2-Dibromoethane	8.40	107	10650	2.113	ug/L #	99
51) Chlorobenzene	8.92	112	29090	2.196	ug/L	97
52) Ethylbenzene	9.05	91	43286	2.007	ug/L	94
53) m,p-Xylene	9.18	106	15131	1.864	ug/L	99
54) o-xylene	9.59	106	14795	1.820	ug/L	97
55) Styrene	9.60	104	23410	1.753	ug/L	100
56) Isopropylbenzene	9.97	105	35839	1.717	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	17325	2.471	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	13520	2.186	ug/L	98
61) Bromoform	9.77	173	7748	2.304	ug/L #	94
62) 1,3-Dichlorobenzene	11.22	146	18766	2.172	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	21595	2.489	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	22324	2.538	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	2724	2.129	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	13394	2.173	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	10897	2.062	ug/L	99
69) Naphthalene	13.55	128	22150	1.521	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	11000	1.945	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.299 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :

MSVOA_V

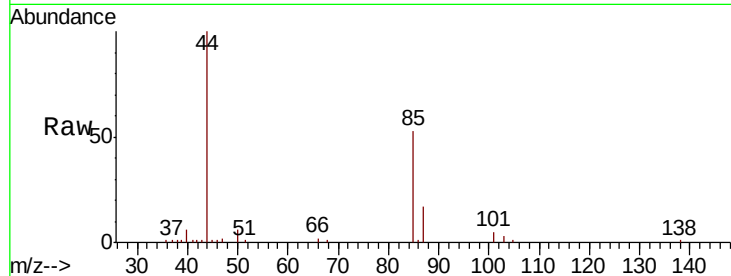
ClientSampleId :

Tot Ion: 85 Resp: 12211

Ion Ratio Lower Upper

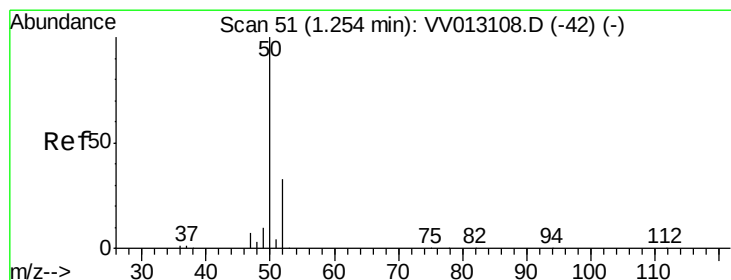
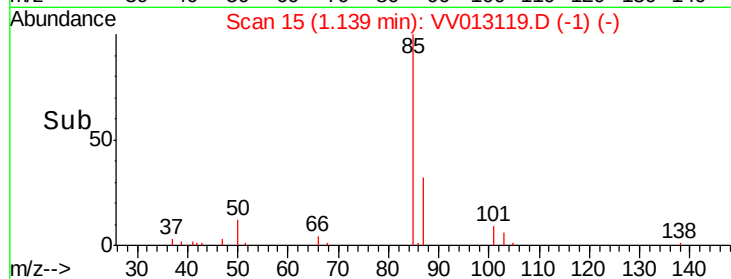
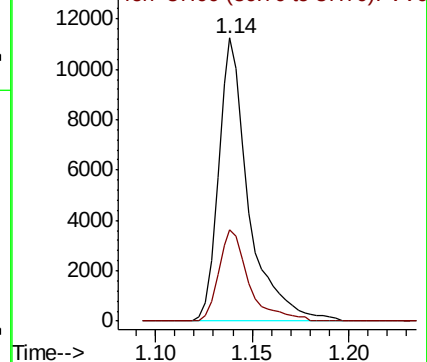
85 100

87 32.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.508 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013119.D

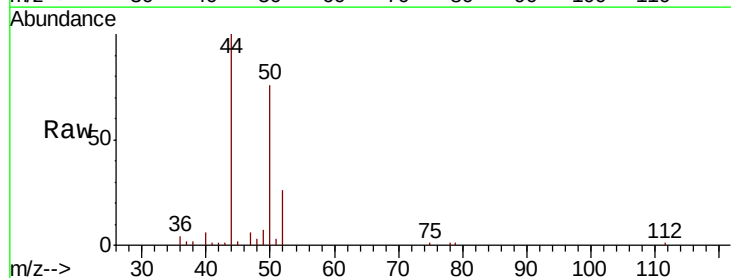
Acq: 11 Oct 2019 23:08

Tgt Ion: 50 Resp: 15154

Ion Ratio Lower Upper

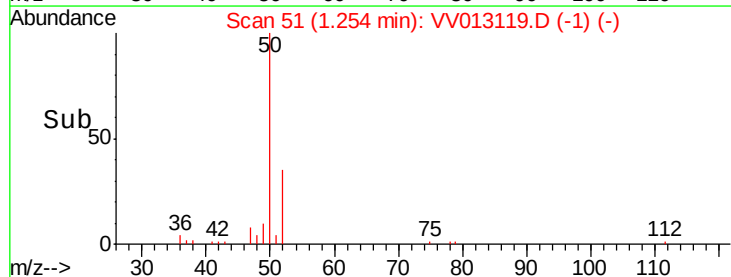
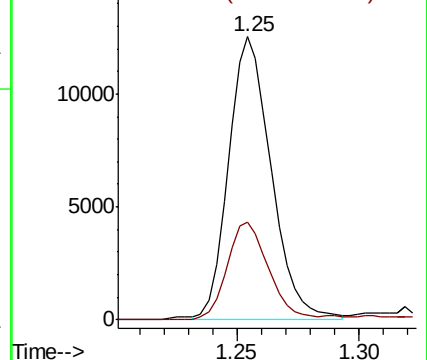
50 100

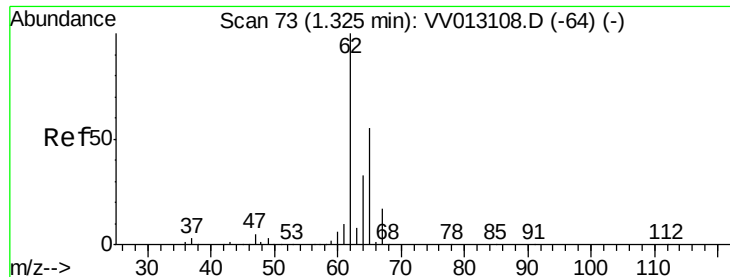
52 34.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.284 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :

MSVOA_V

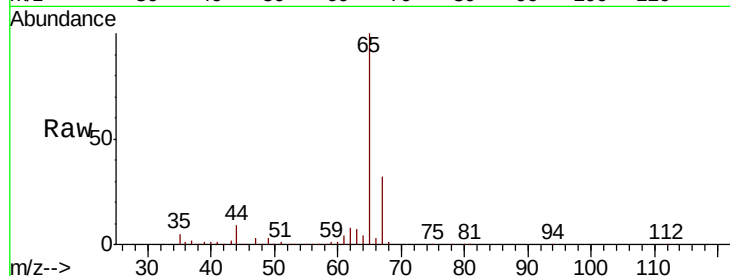
ClientSampled :

Tot Ion: 62 Resp: 13262

Ion Ratio Lower Upper

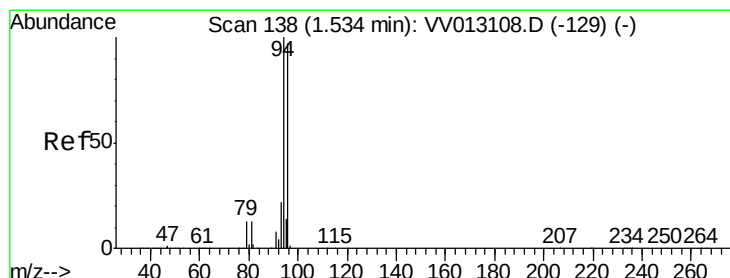
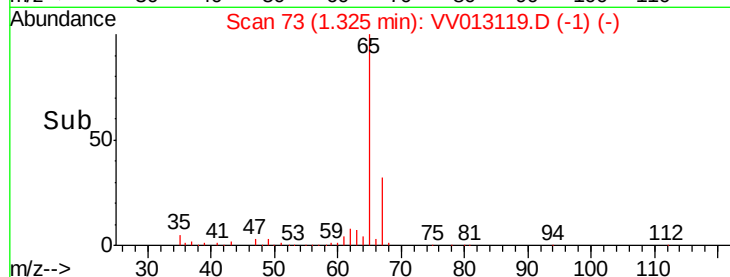
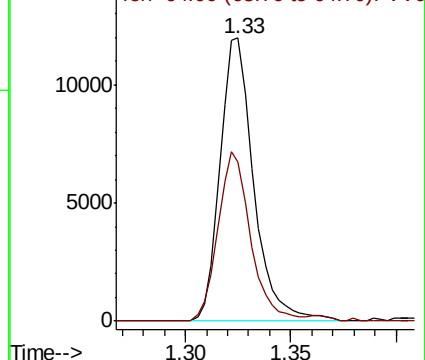
62 100

64 56.0 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.996 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV013119.D

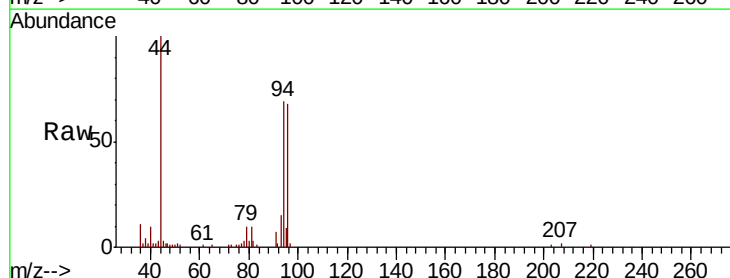
Acq: 11 Oct 2019 23:08

Tgt Ion: 94 Resp: 8900

Ion Ratio Lower Upper

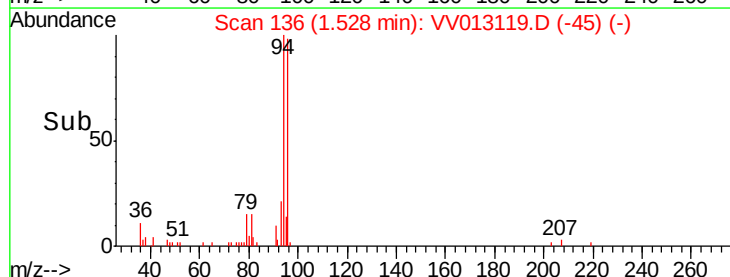
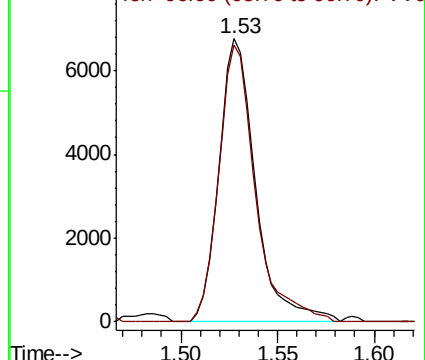
94 100

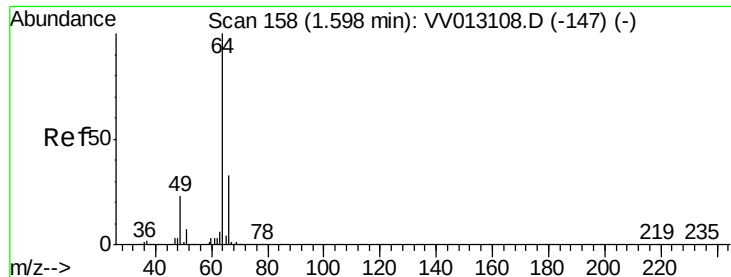
96 98.1 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.613 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

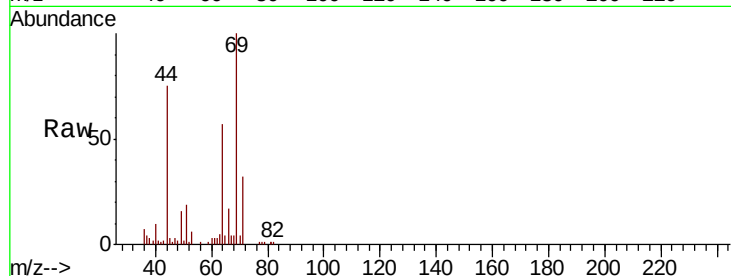
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 9024

Ion Ratio Lower Upper

64 100

66 29.5 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV013108.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV013108.D (-147) (-)

1.60

8000

6000

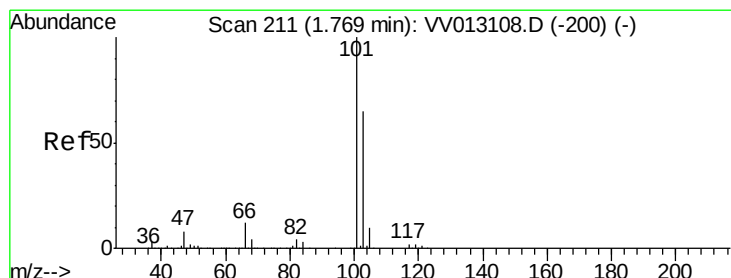
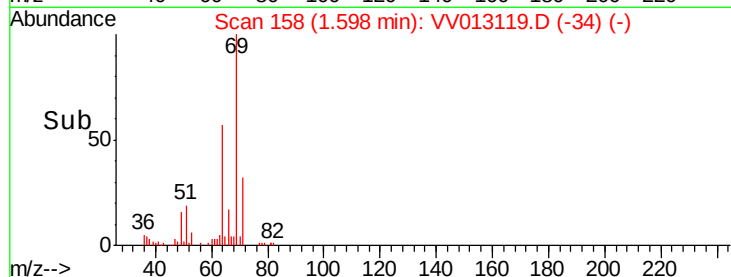
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 2.308 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013119.D

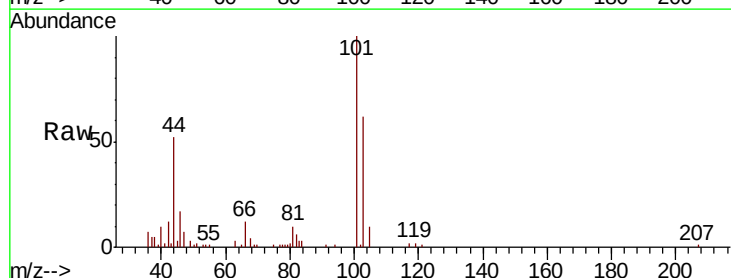
Acq: 11 Oct 2019 23:08

Tgt Ion: 101 Resp: 17191

Ion Ratio Lower Upper

101 100

103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV013108.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV013108.D (-200) (-)

1.77

15000

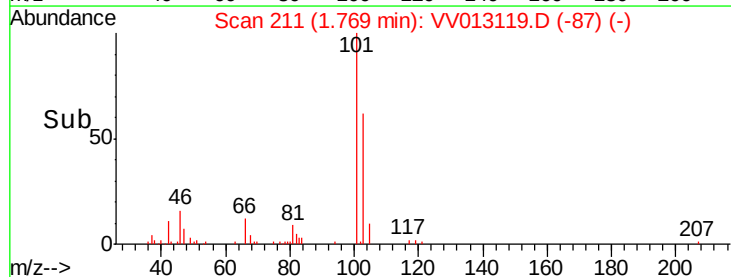
10000

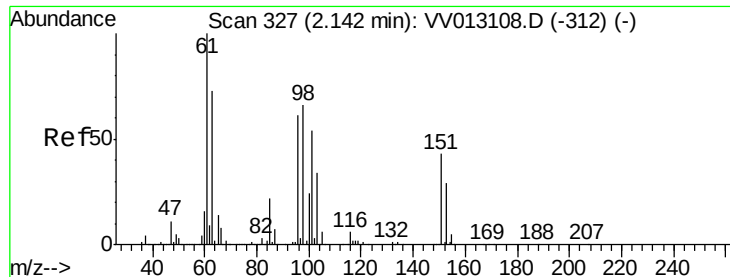
5000

0

1.75 1.80

Time-->





#10

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

Concen: 2.991 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :

MSVOA_V

ClientSampleId :

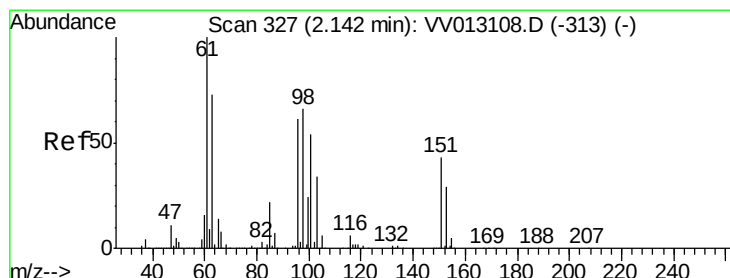
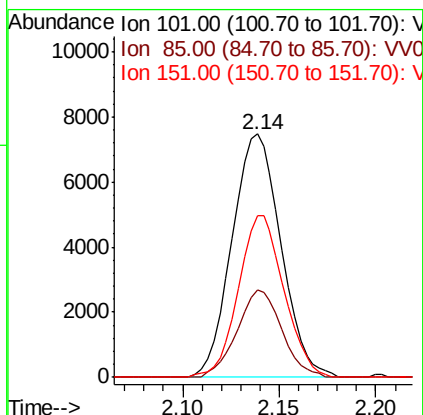
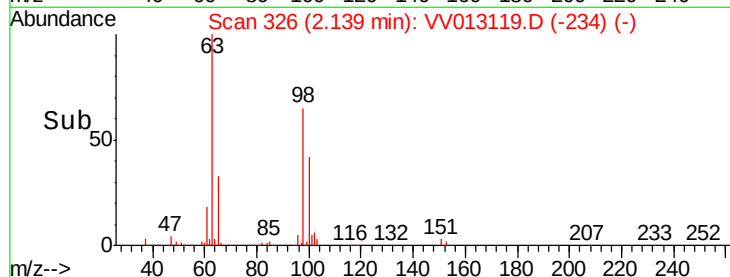
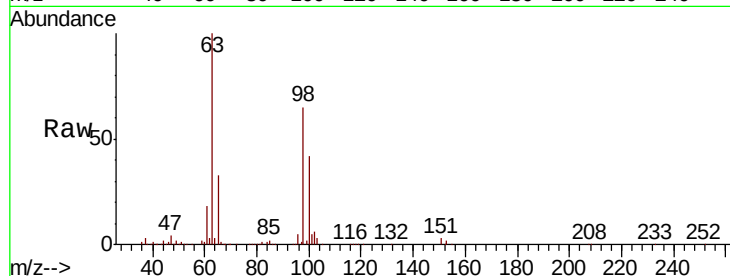
Tot Ion:101 Resp: 13125

Ion Ratio Lower Upper

101 100

85 32.9 32.9 49.3

151 62.0 64.9 97.3#



#12

1,1-Dichloroethene

Concen: 2.816 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

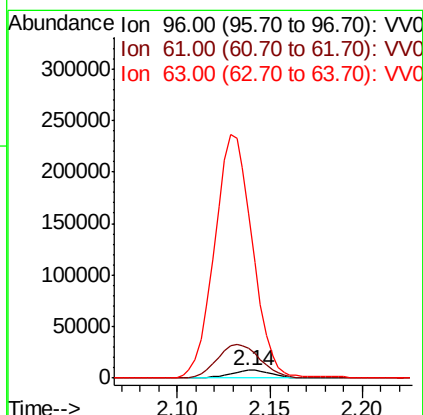
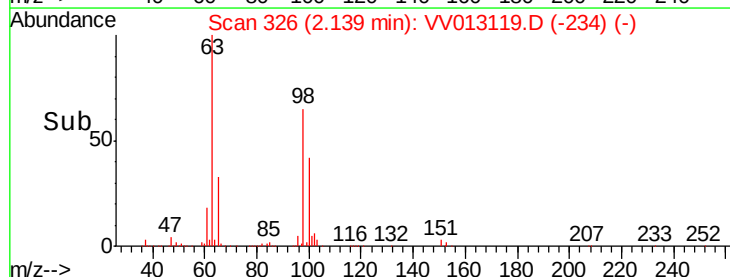
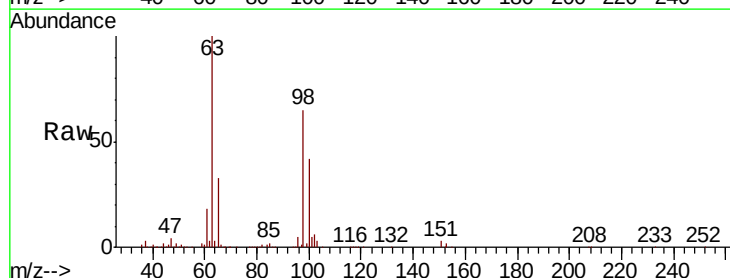
Tgt Ion: 96 Resp: 11955

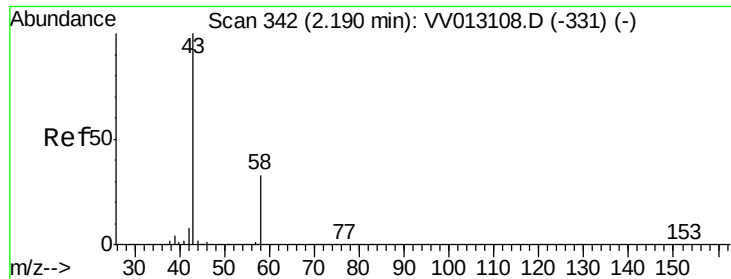
Ion Ratio Lower Upper

96 100

61 377.9 115.7 214.9#

63 2086.1 84.3 156.5#





#13

Acetone

Concen: 3.710 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

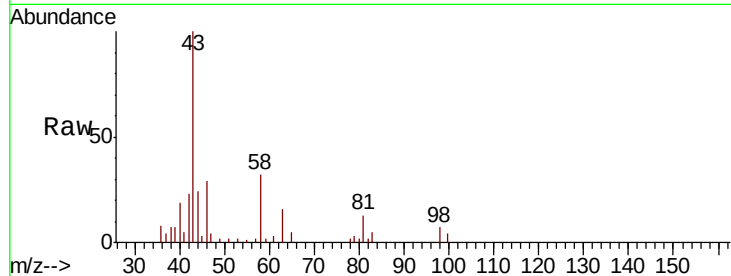
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 11086

Ion Ratio Lower Upper

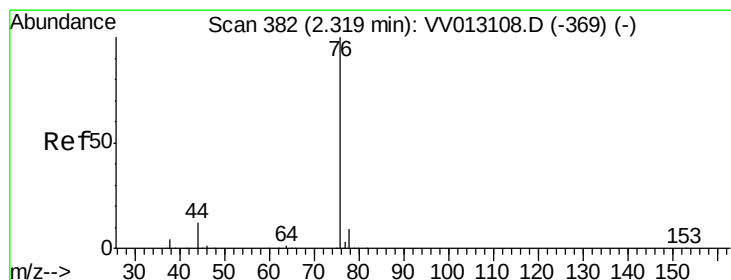
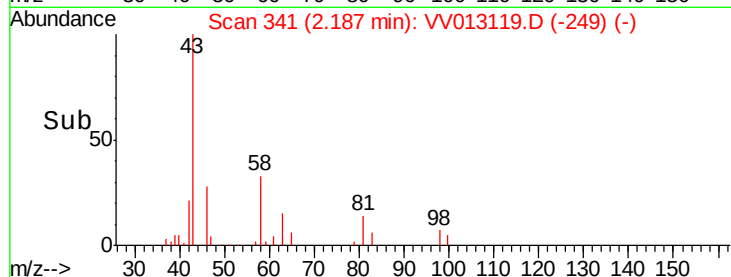
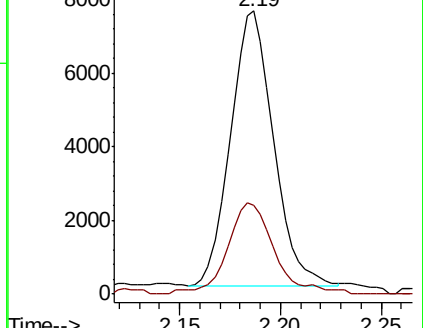
43 100

58 31.0 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV013108.D (-331) (-)



#14

Carbon disulfide

Concen: 2.262 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013119.D

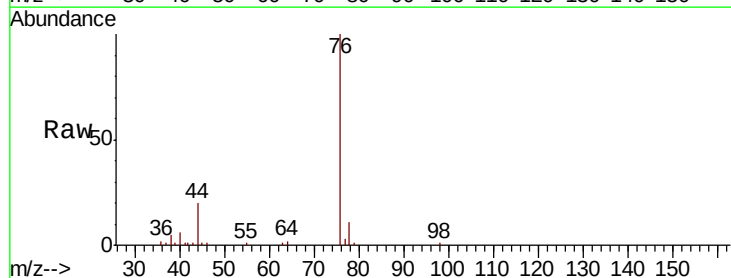
Acq: 11 Oct 2019 23:08

Tgt Ion: 76 Resp: 27854

Ion Ratio Lower Upper

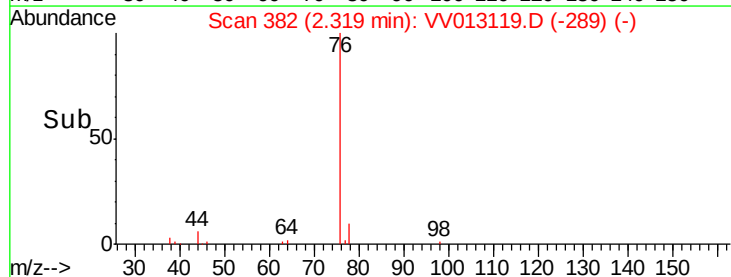
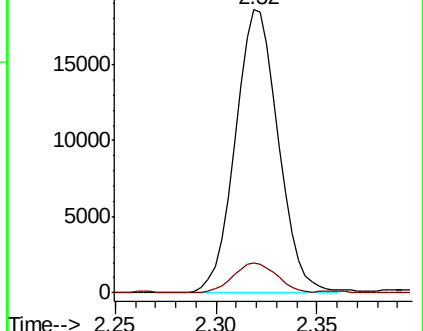
76 100

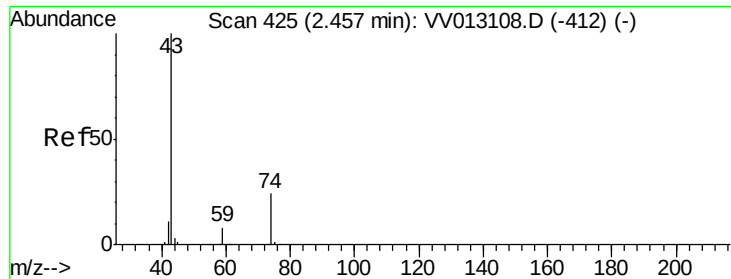
78 10.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013108.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013108.D (-369) (-)

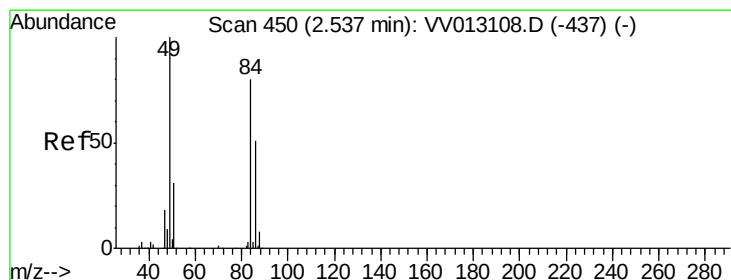
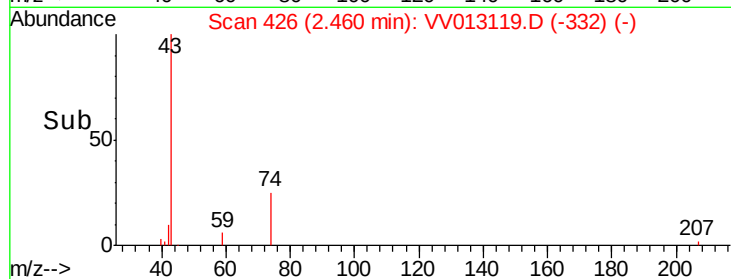
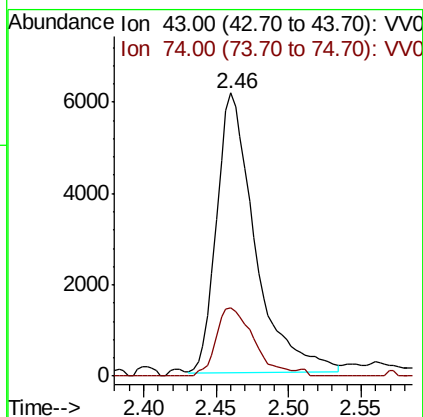
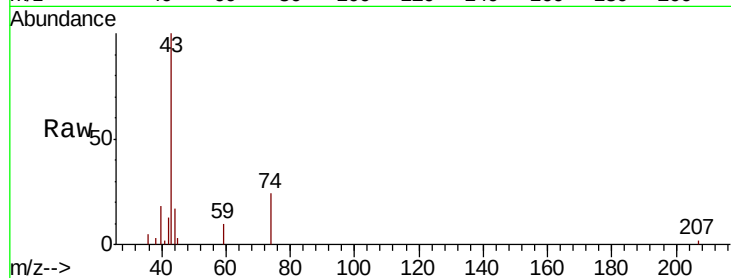




#15
Methvl Acetate
Concen: 2.125 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

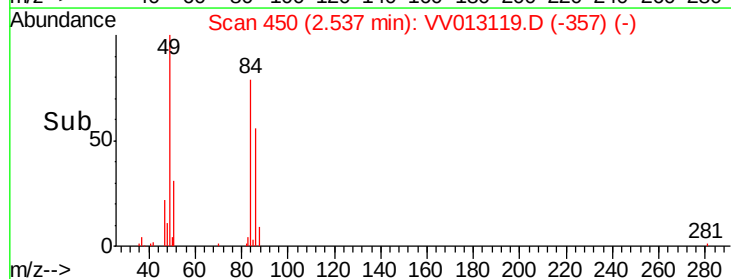
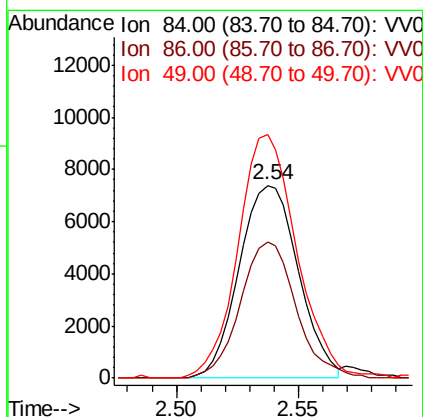
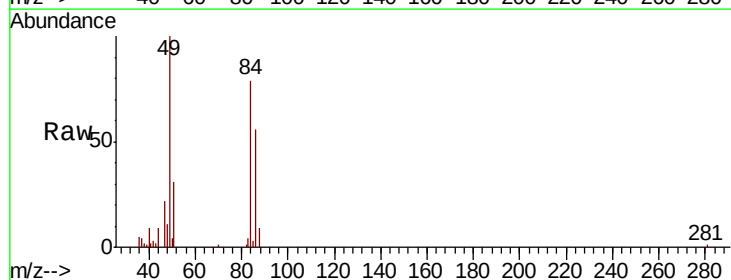
Instrument :
MSVOA_V
ClientSampleId :

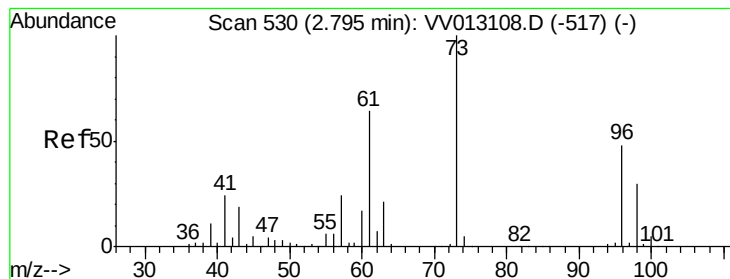
Tot Ion: 43 Resp: 11251
Ion Ratio Lower Upper
43 100
74 23.9 18.4 27.6



#16
Methylene chloride
Concen: 2.471 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 84 Resp: 12481
Ion Ratio Lower Upper
84 100
86 70.8 45.1 83.9
49 126.3 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 2.316 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampled :

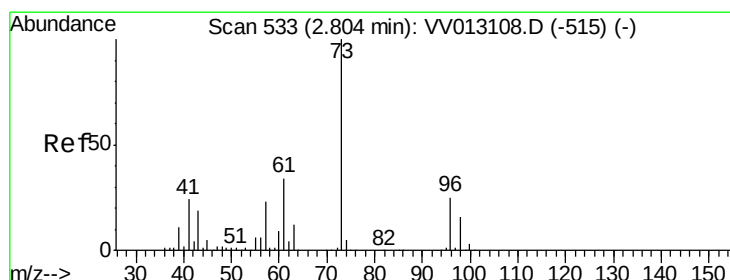
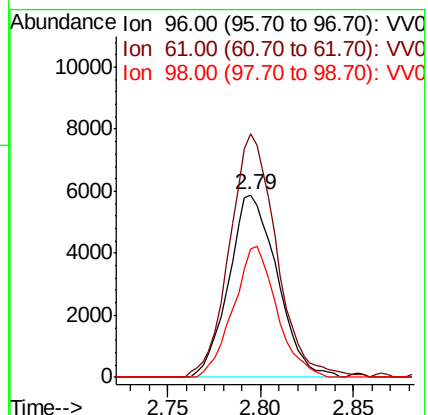
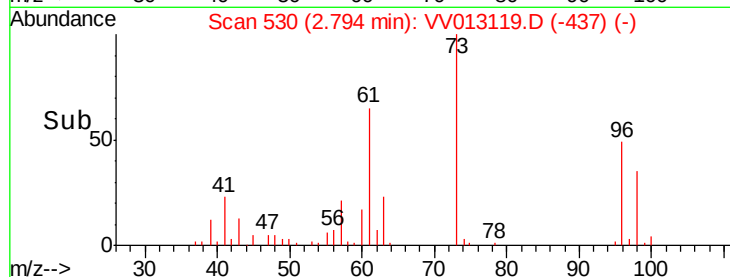
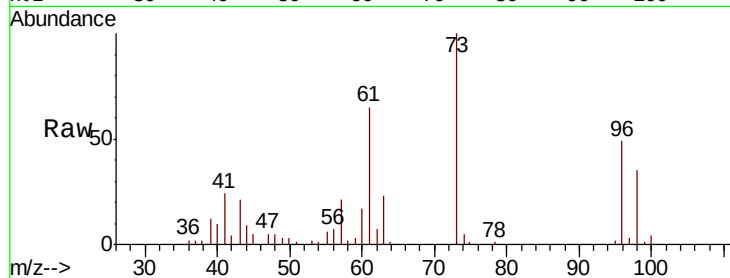
Tot Ion: 96 Resp: 10670

Ion Ratio Lower Upper

96 100

61 133.2 93.9 174.5

98 70.3 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 2.100 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

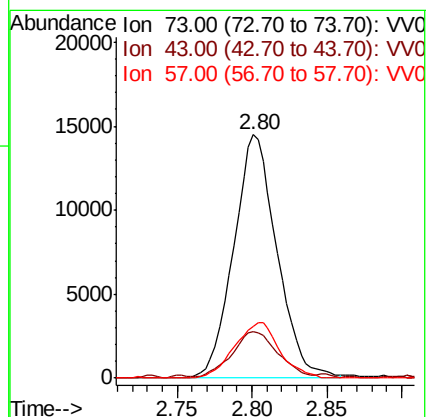
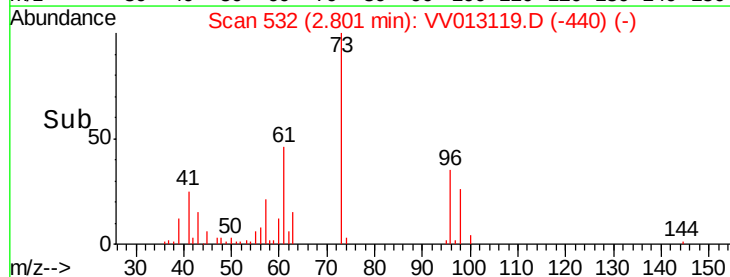
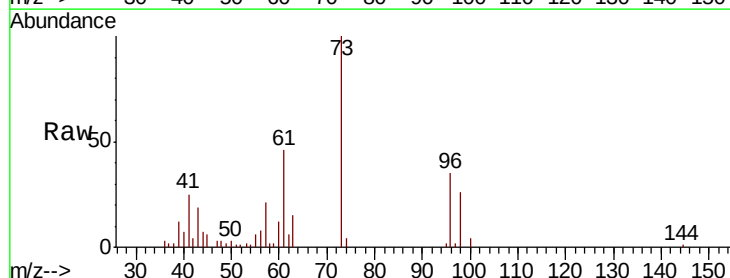
Tgt Ion: 73 Resp: 29201

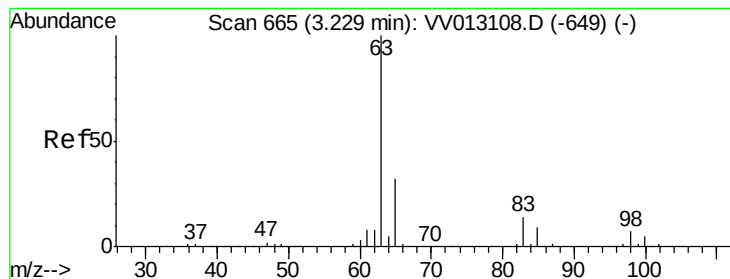
Ion Ratio Lower Upper

73 100

43 19.2 15.0 22.6

57 23.6 18.2 27.2





#19

1,1-Dichloroethane

Concen: 2.207 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :

MSVOA_V

ClientSampleId :

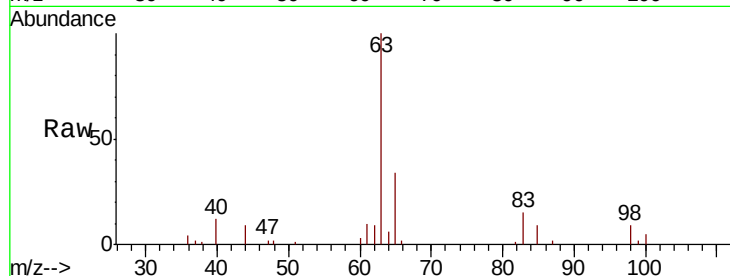
Tot Ion: 63 Resp: 19176

Ion Ratio Lower Upper

63 100

65 34.1 22.1 41.1

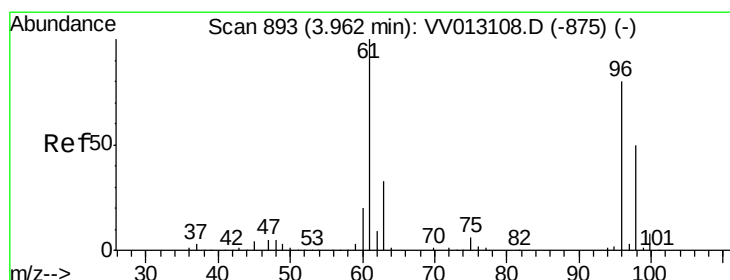
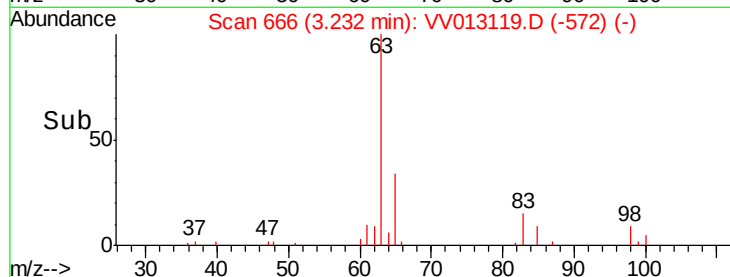
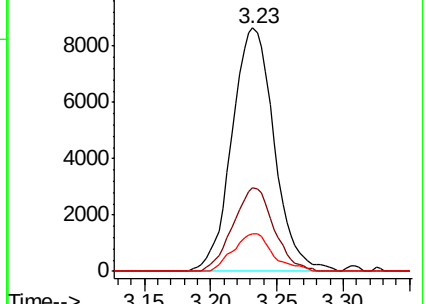
83 15.5 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.171 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

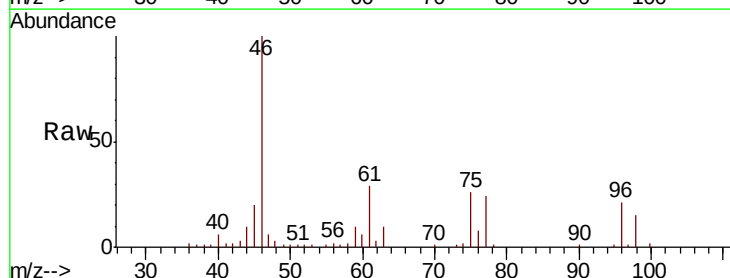
Tgt Ion: 96 Resp: 11316

Ion Ratio Lower Upper

96 100

61 133.9 87.5 162.5

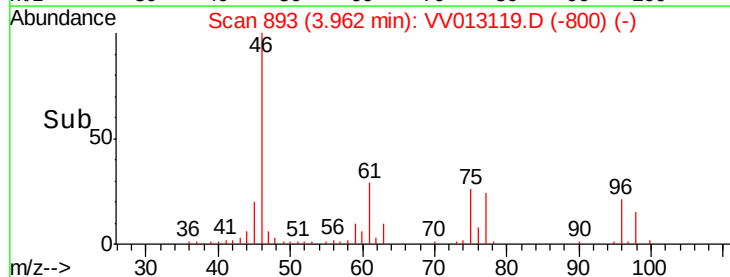
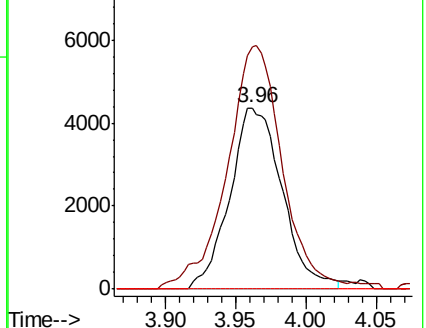
68 0.0 0.0 0.0

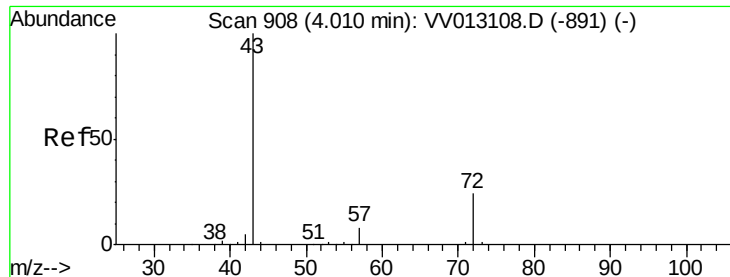


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 3.307 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

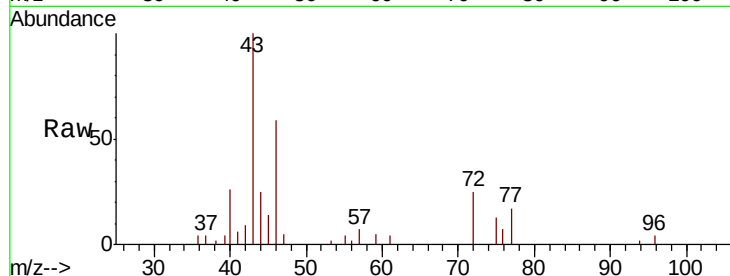
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 12577

Ion Ratio Lower Upper

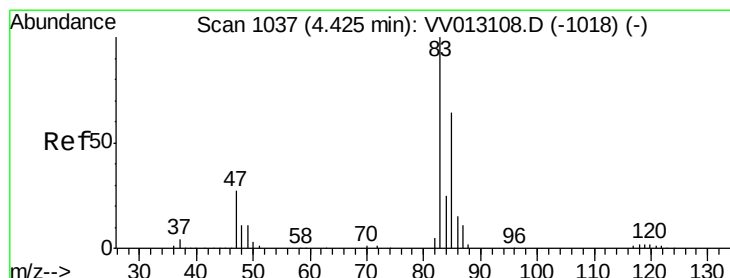
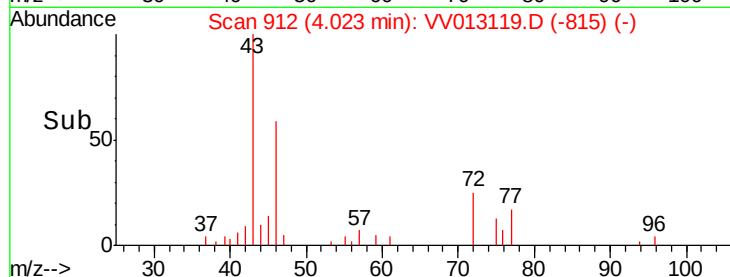
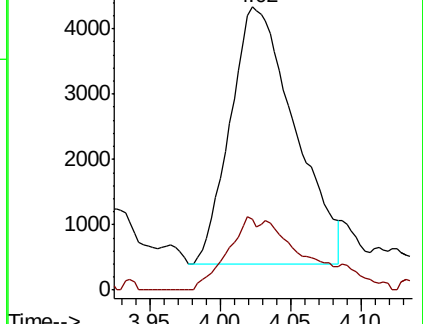
43 100

72 12.9 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV013108.D (-891) (-)



#25

Chloroform

Concen: 2.834 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV013119.D

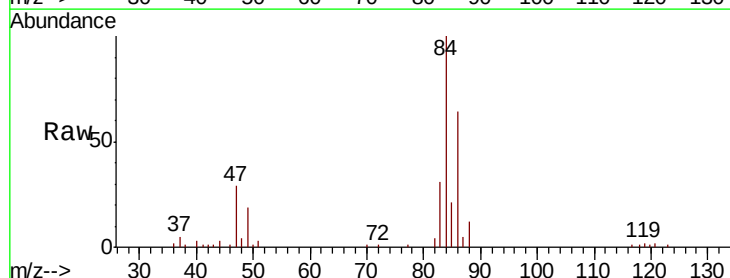
Acq: 11 Oct 2019 23:08

Tgt Ion: 83 Resp: 24814

Ion Ratio Lower Upper

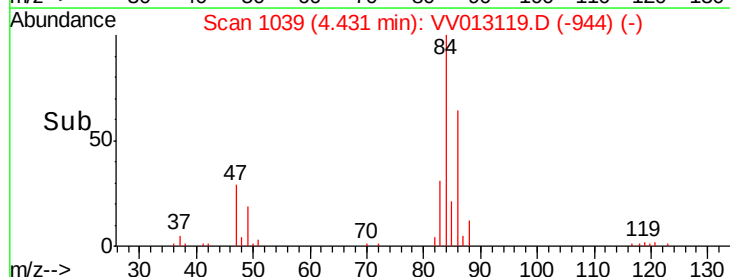
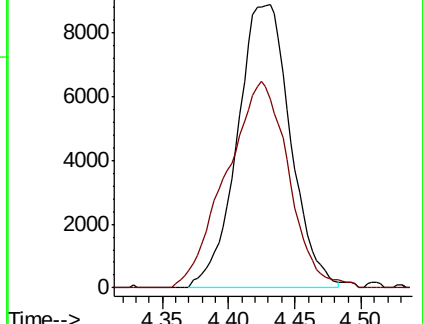
83 100

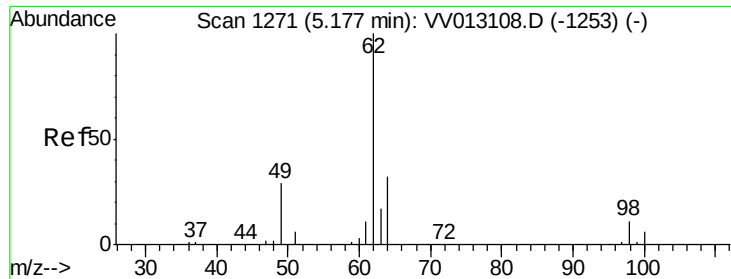
85 66.7 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV013108.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV013108.D (-1018) (-)

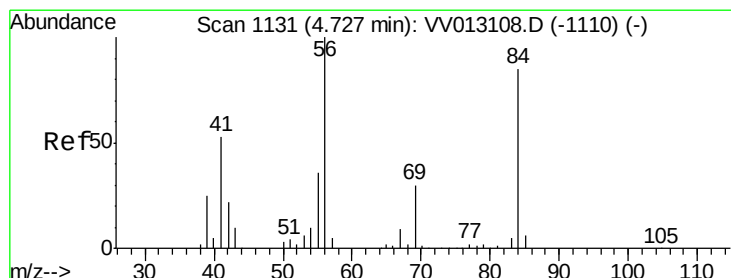
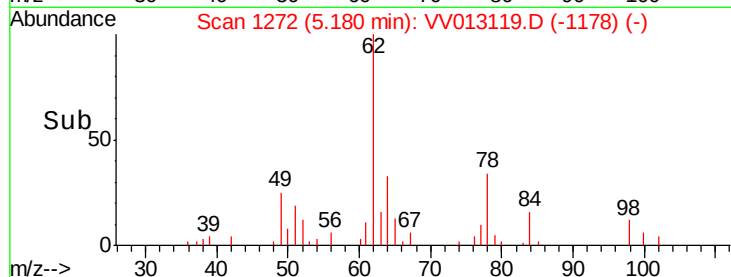
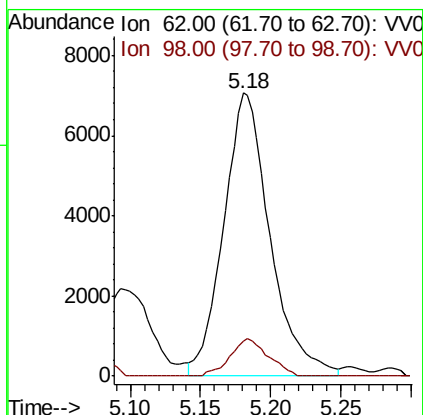
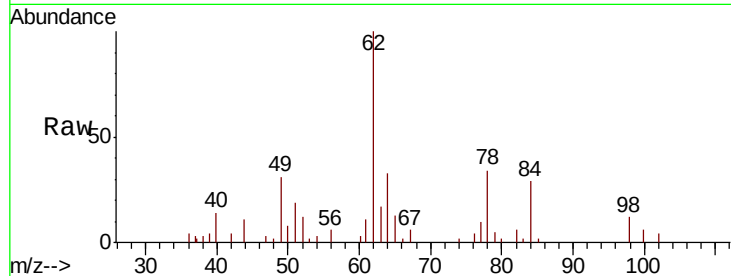




#27
 1,2-Dichloroethane
 Concen: 2.416 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

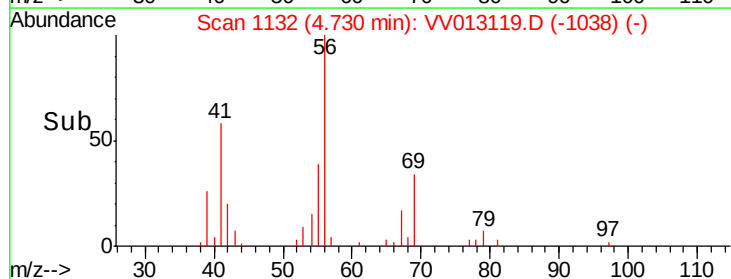
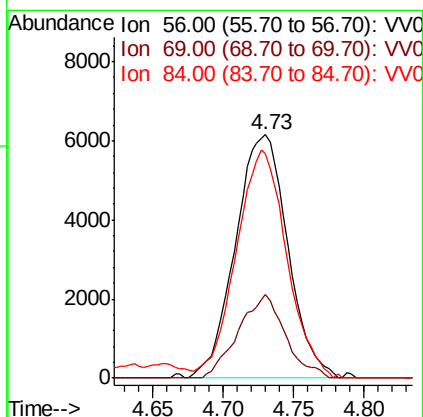
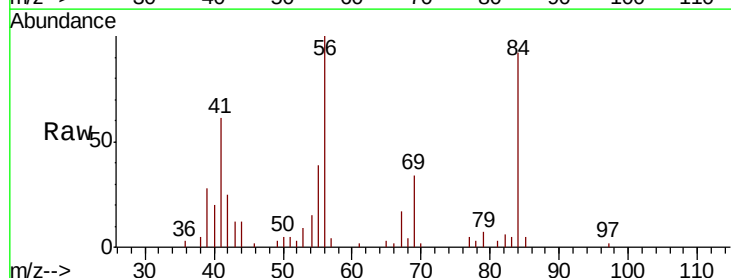
Instrument :
 MSVOA_V
 ClientSampled :

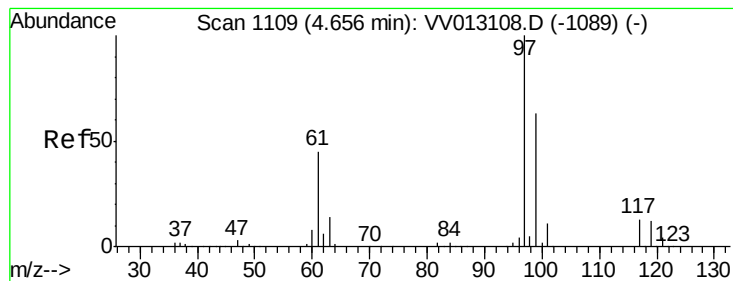
Tot Ion: 62 Resp: 16213
 Ion Ratio Lower Upper
 62 100
 98 12.2 8.3 12.5



#29
 Cyclohexane
 Concen: 2.069 ug/L
 RT: 4.73 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Tgt Ion: 56 Resp: 15956
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.2 36.4
 84 90.2 69.9 104.9





#30

1,1,1-Trichloroethane

Concen: 2.178 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampleId :

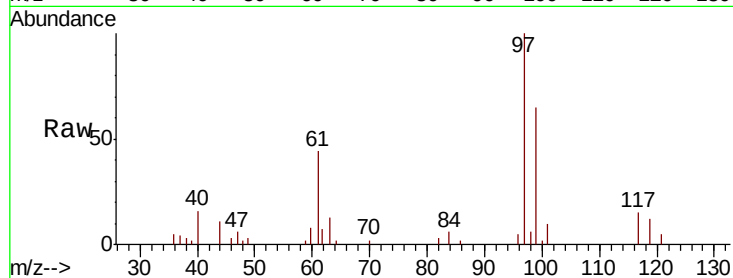
Tot Ion: 97 Resp: 15566

Ion Ratio Lower Upper

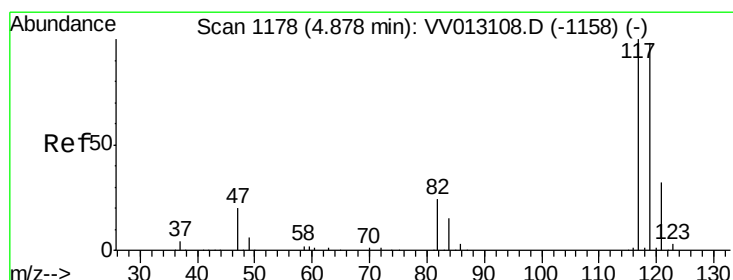
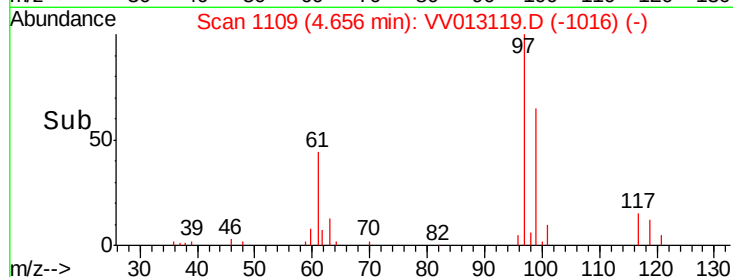
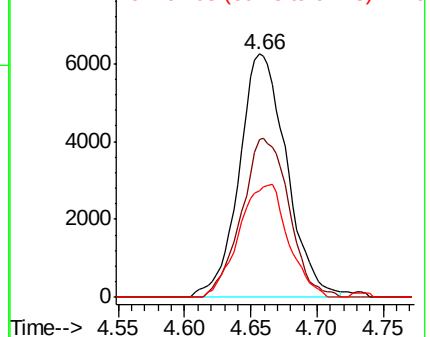
97 100

99 65.4 51.9 77.9

61 48.0 36.8 55.2



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



#31

Carbon tetrachloride

Concen: 2.253 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV013119.D

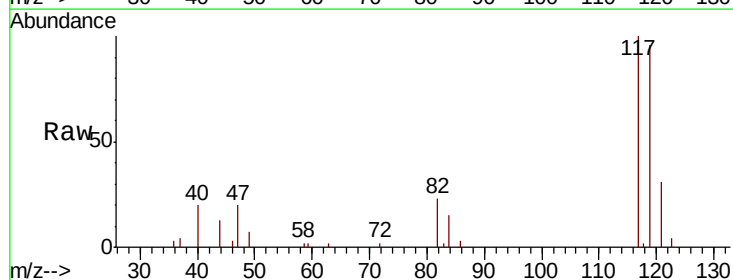
Acq: 11 Oct 2019 23:08

Tgt Ion: 117 Resp: 14306

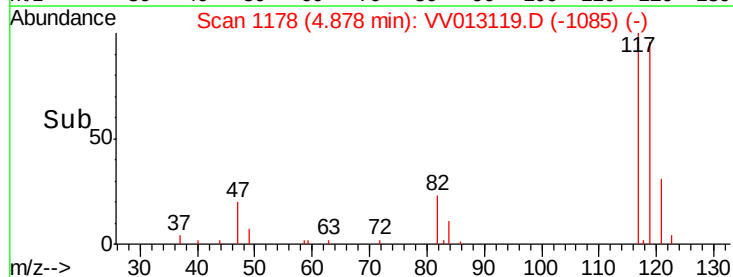
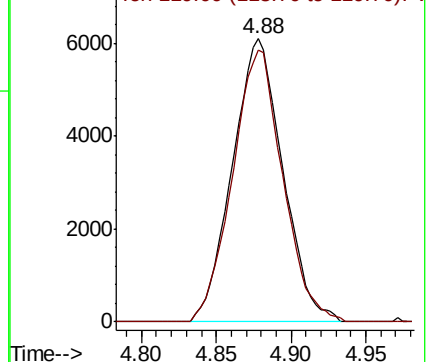
Ion Ratio Lower Upper

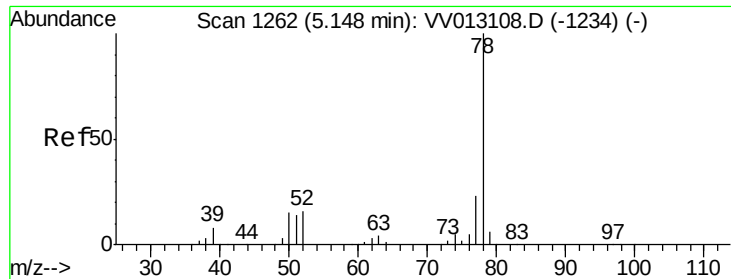
117 100

119 95.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

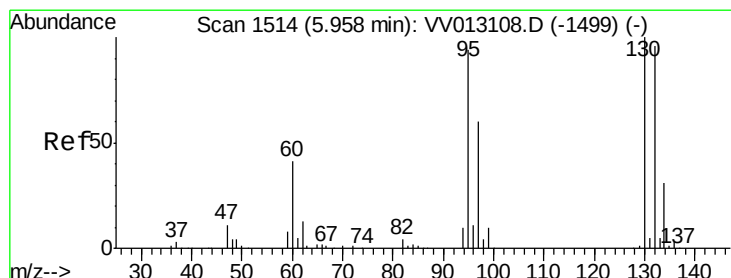
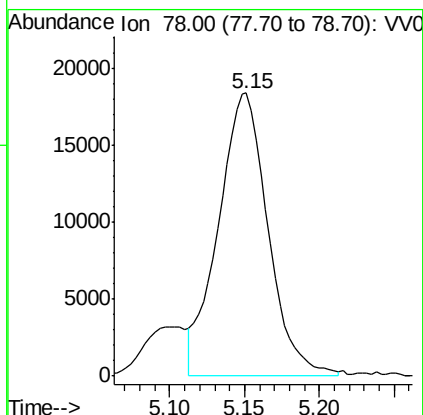
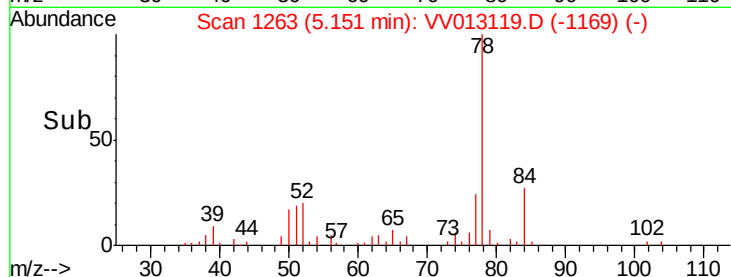
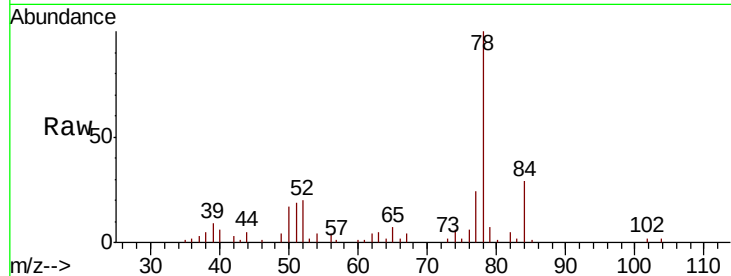




#33
Benzene
Concen: 2.157 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampled :

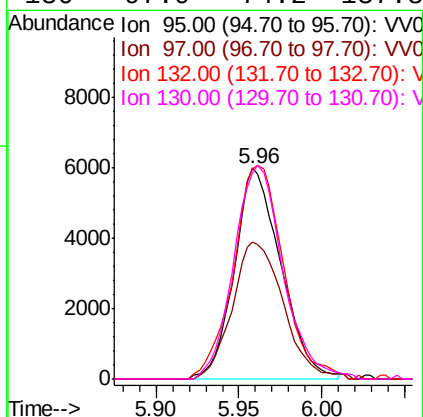
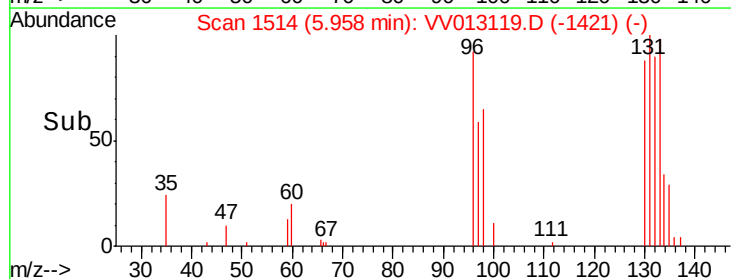
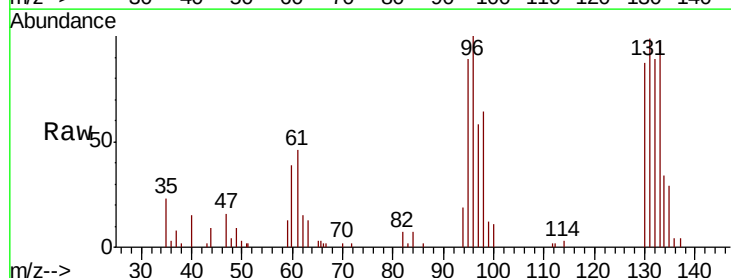
Tgt Ion: 78 Resp: 42315

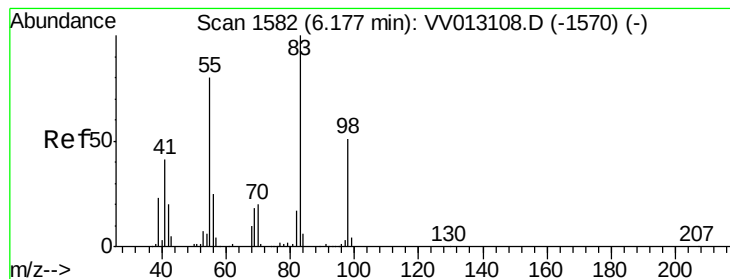


#34
Trichloroethene
Concen: 2.235 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 95 Resp: 11676

Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.7	82.9
132	99.7	71.4	132.6
130	97.9	74.2	137.8





#35

Methylvlcyclohexane

Concen: 2.083 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampled :

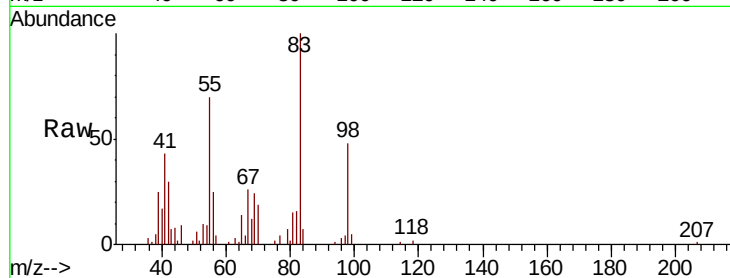
Tot Ion: 83 Resp: 16458

Ion Ratio Lower Upper

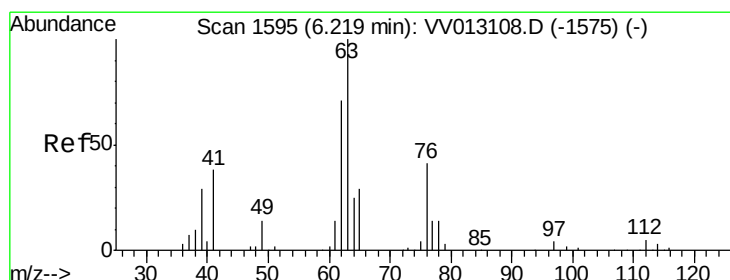
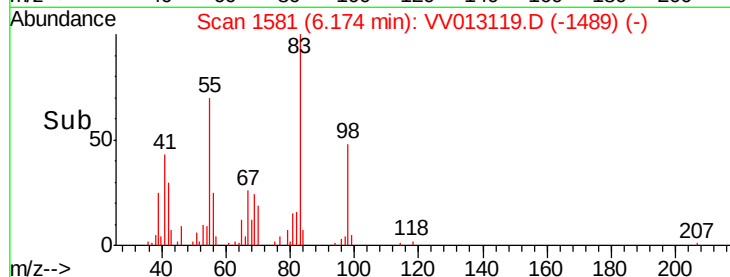
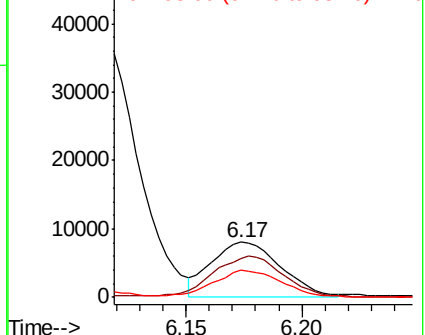
83 100

55 75.5 61.2 91.8

98 49.7 40.1 60.1



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



#37

1,2-Dichloropropane

Concen: 2.400 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV013119.D

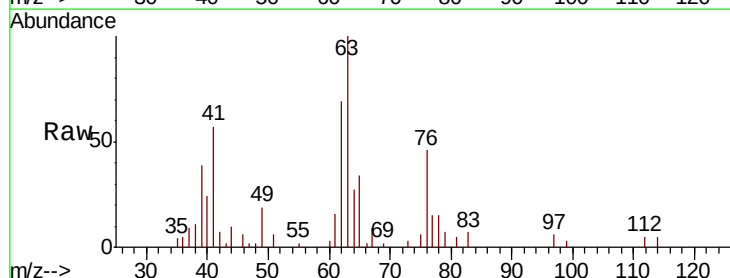
Acq: 11 Oct 2019 23:08

Tgt Ion: 63 Resp: 12192

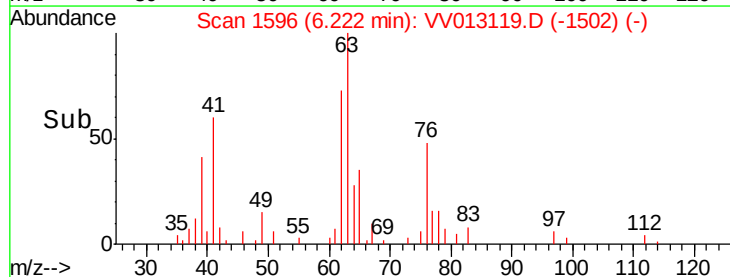
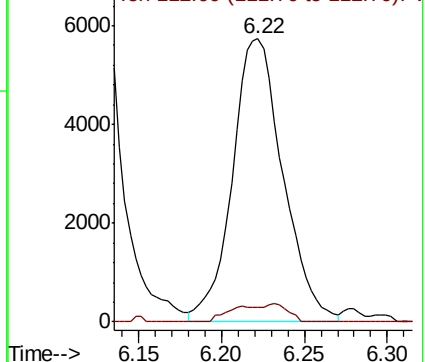
Ion Ratio Lower Upper

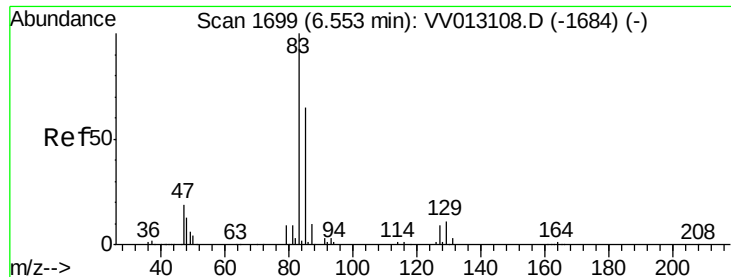
63 100

112 2.6 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

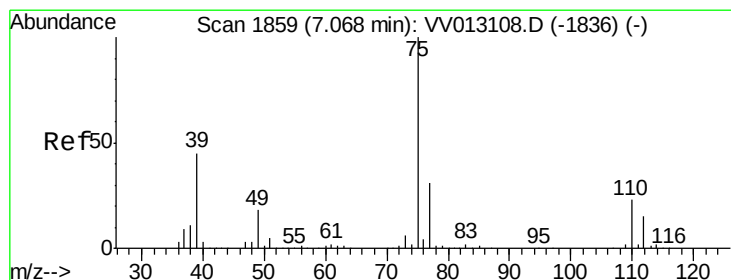
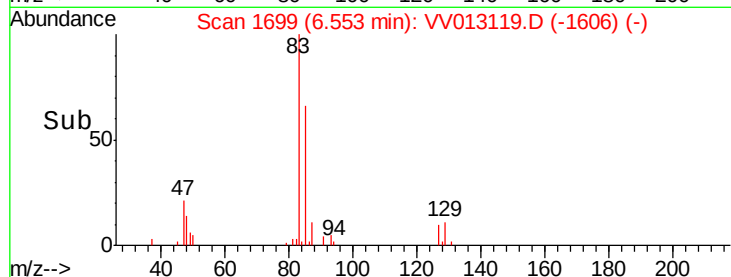
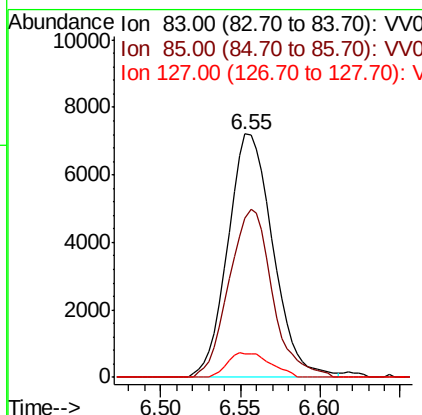
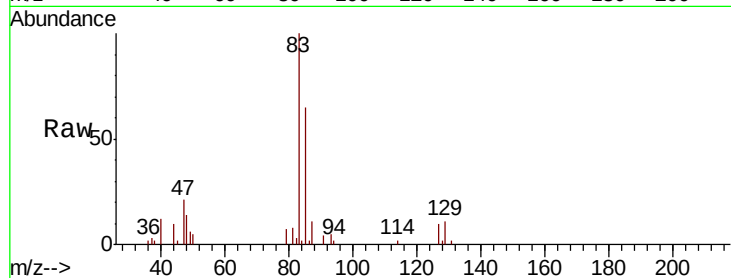




#38
 Bromodichloromethane
 Concen: 2.149 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

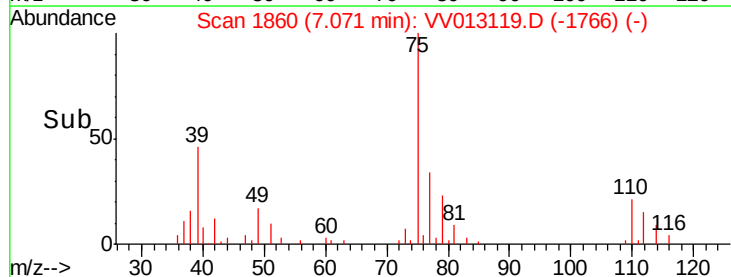
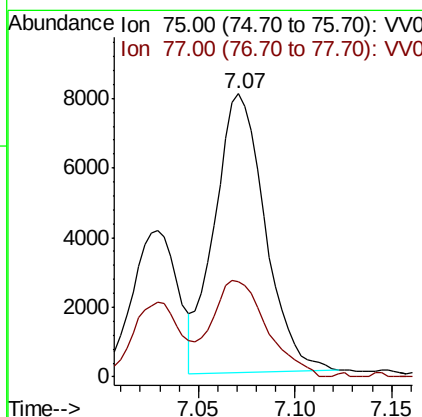
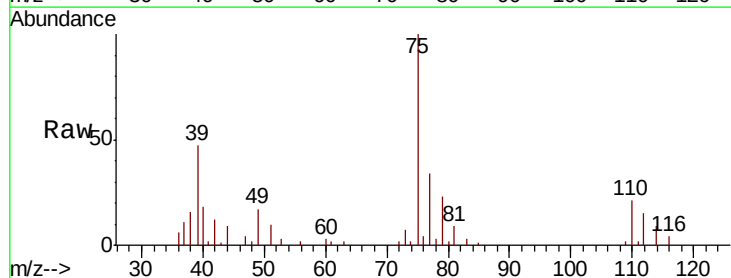
Instrument :
 MSVOA_V
 ClientSampleId :

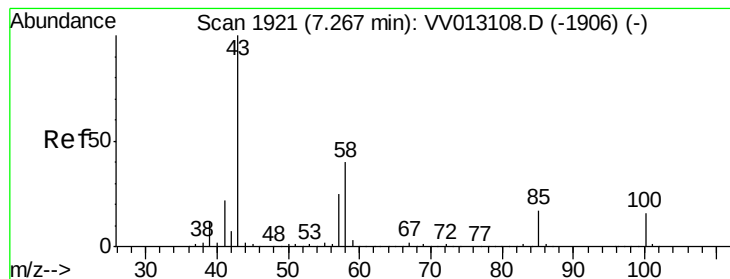
Tot Ion: 83 Resp: 13891
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.8 85.0
 127 9.7 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 1.945 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Tgt Ion: 75 Resp: 14609
 Ion Ratio Lower Upper
 75 100
 77 33.6 21.7 40.3





#40

4-Methyl-2-pentanone

Concen: 3.706 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampleId :

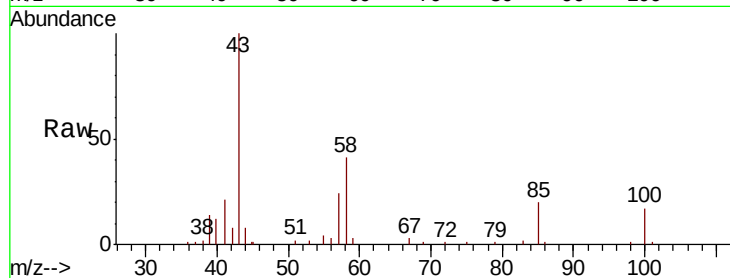
Tot Ion: 43 Resp: 24644

Ion Ratio Lower Upper

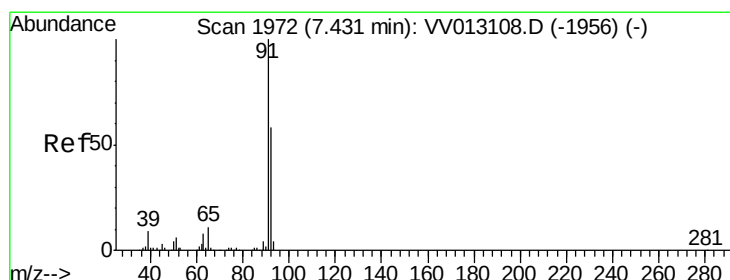
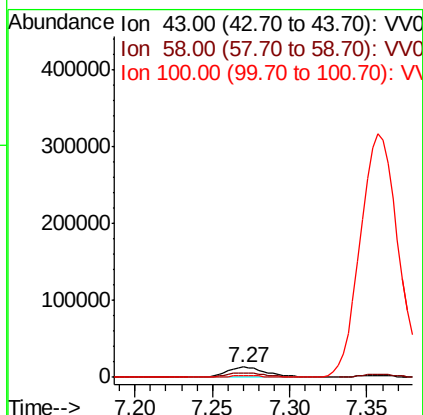
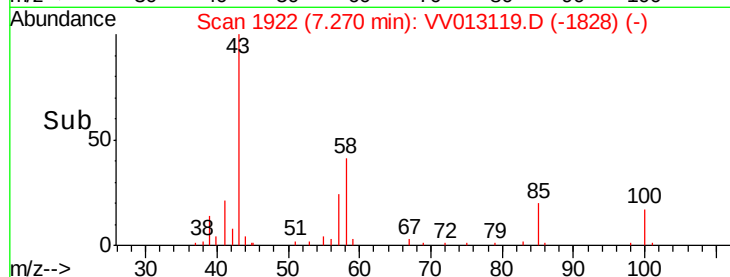
43 100

58 42.1 32.0 48.0

100 15.7 12.7 19.1



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



#42

Toluene

Concen: 2.270 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013119.D

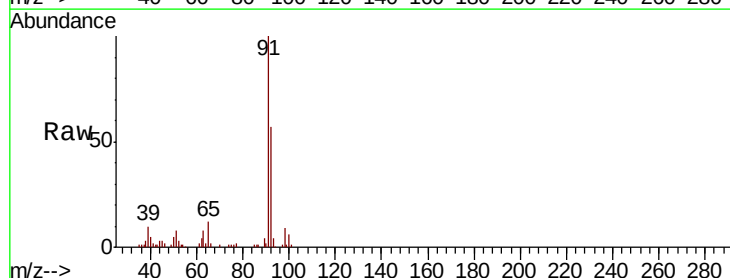
Acq: 11 Oct 2019 23:08

Tgt Ion: 91 Resp: 45850

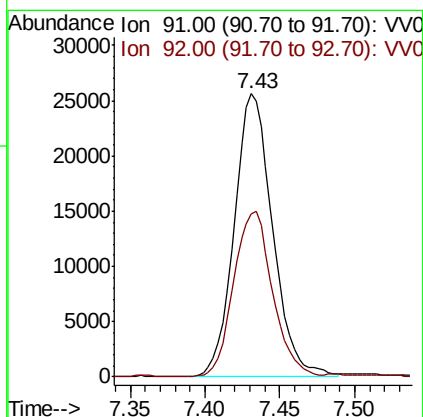
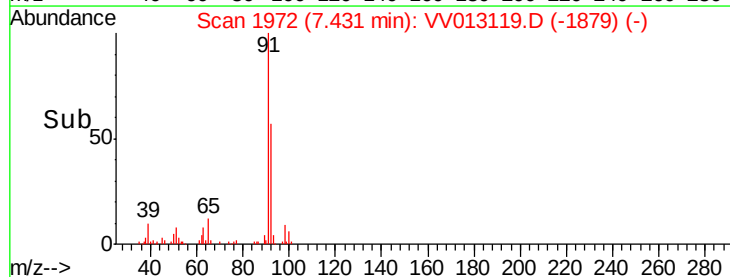
Ion Ratio Lower Upper

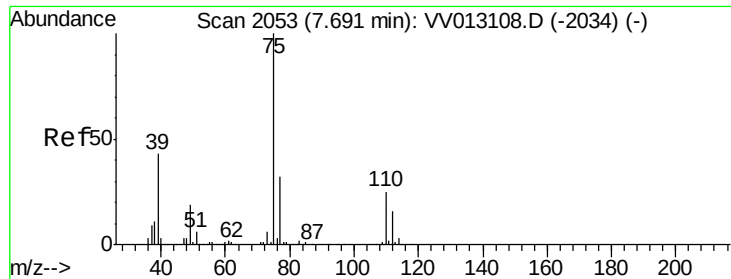
91 100

92 57.4 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0

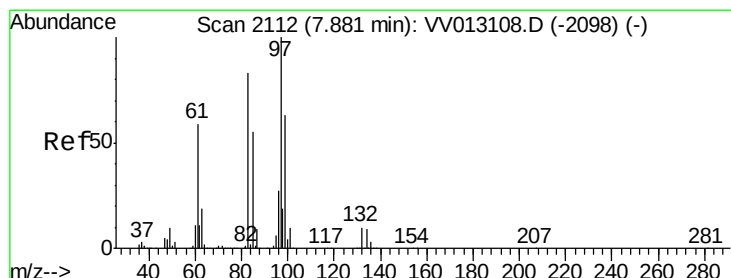
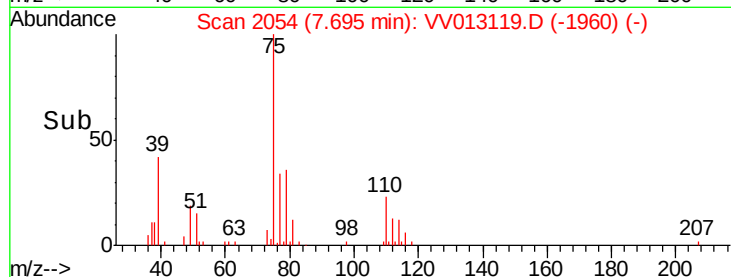
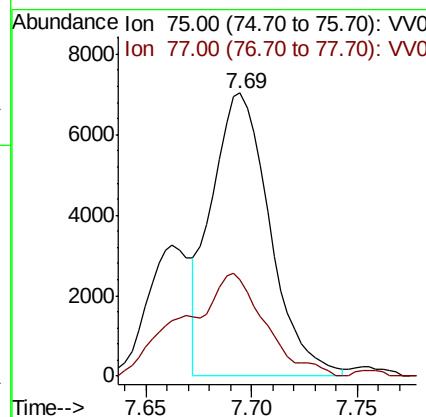
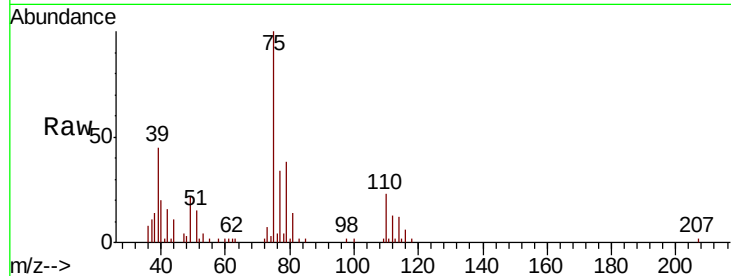




#44
trans-1,3-Dichloropropene
Concen: 2.071 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

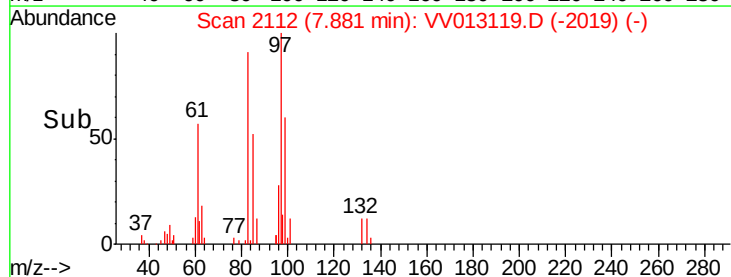
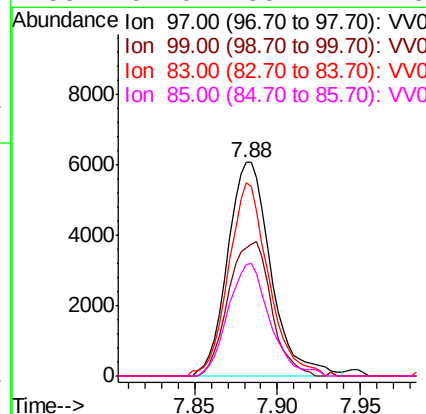
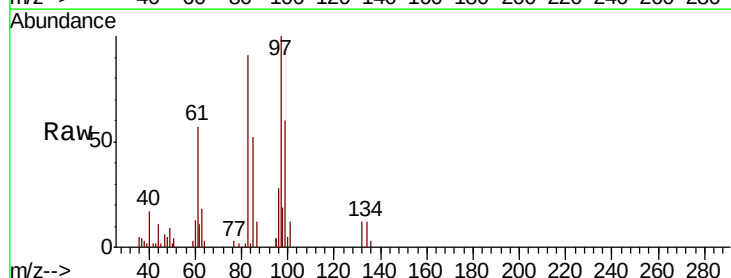
Instrument :
MSVOA_V
ClientSampleId :

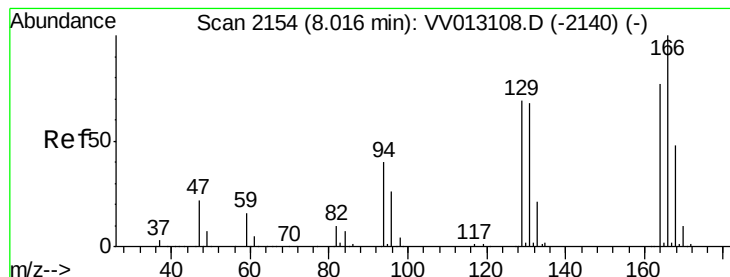
Tot Ion: 75 Resp: 13487
Ion Ratio Lower Upper
75 100
77 34.2 22.0 41.0



#45
1,1,2-Trichloroethane
Concen: 2.284 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 97 Resp: 11017
Ion Ratio Lower Upper
97 100
99 59.9 44.4 82.5
83 90.7 58.2 108.0
85 52.0 38.7 71.9





#46

Tetrachloroethene

Concen: 2.260 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 9344

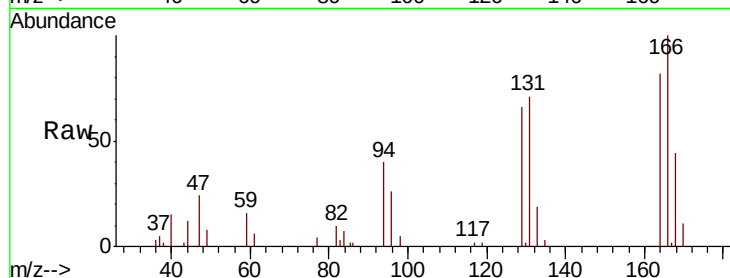
Ion Ratio Lower Upper

164 100

129 80.7 63.1 117.1

131 86.8 62.4 116.0

166 122.1 91.3 169.6



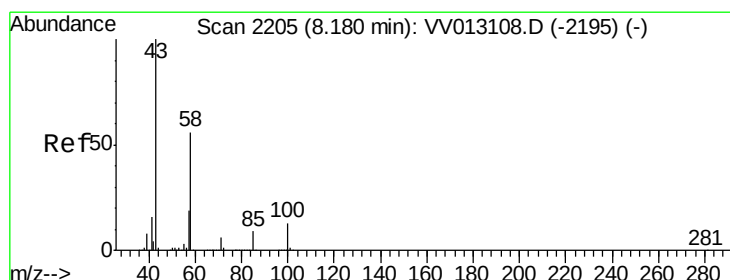
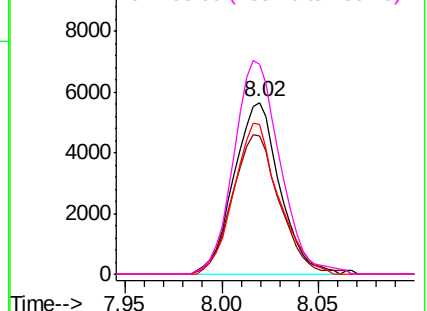
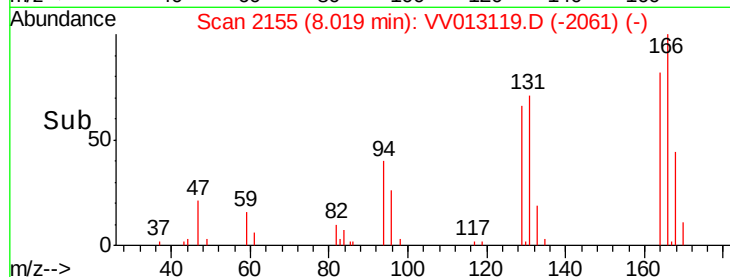
Abundance

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



#48

2-Hexanone

Concen: 6.274 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Tgt Ion: 43 Resp: 32262

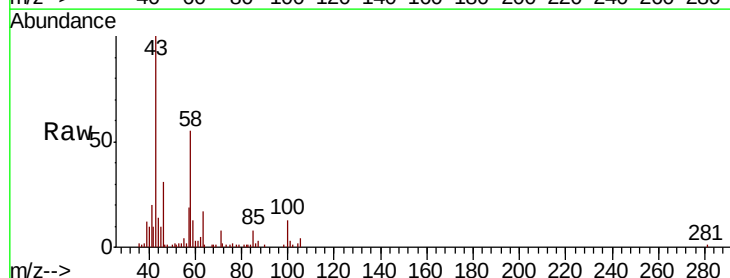
Ion Ratio Lower Upper

43 100

58 45.6 44.9 67.3

57 14.4 15.0 22.6#

100 11.2 10.2 15.2



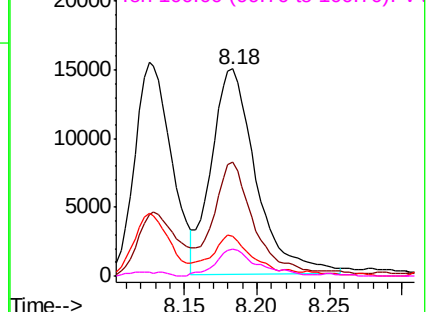
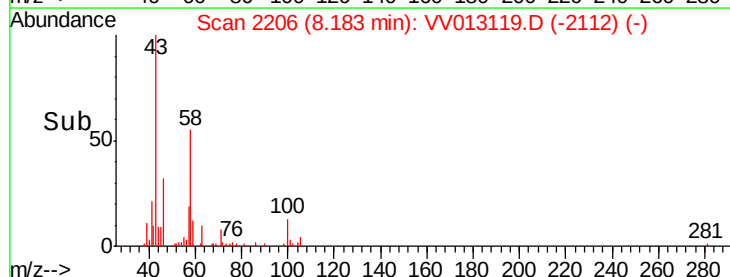
Abundance

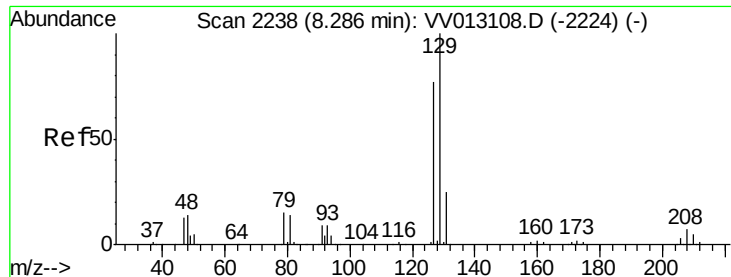
Ion 43.00 (42.70 to 43.70): VV0

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

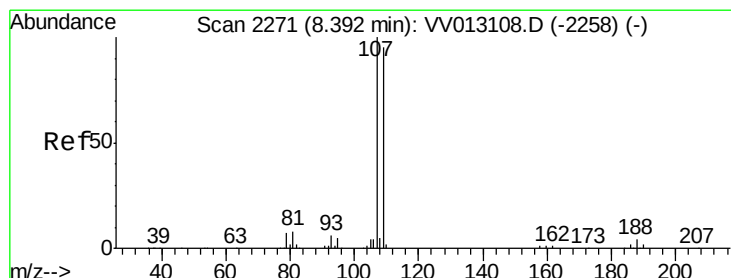
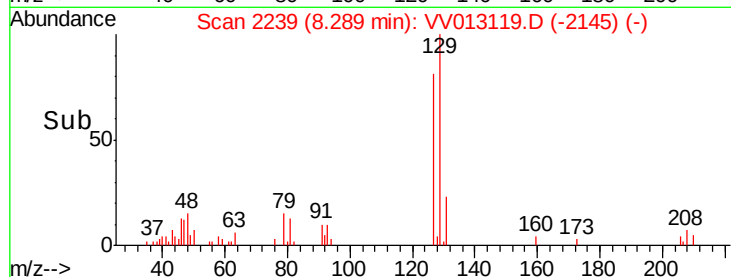
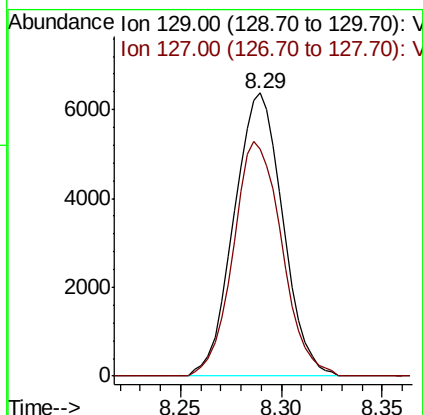
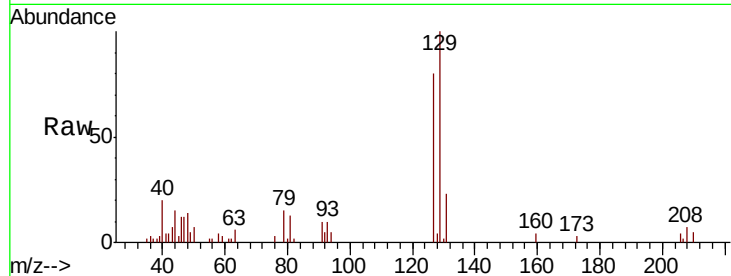




#49
 Dibromochloromethane
 Concen: 2.055 ug/L
 RT: 8.29 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

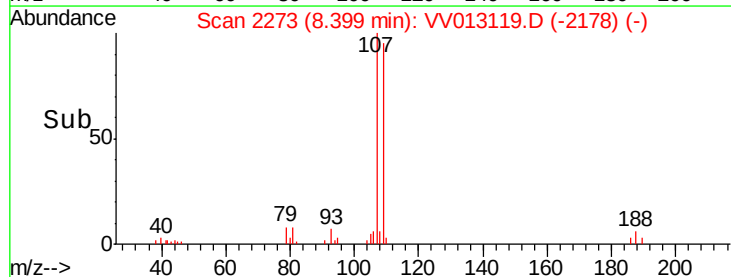
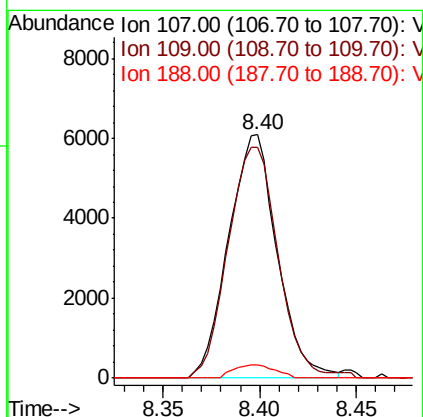
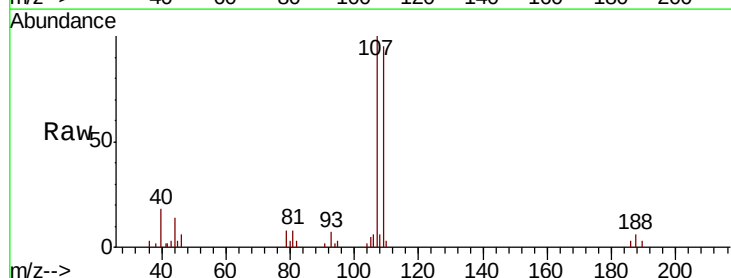
Instrument :
 MSVOA_V
 ClientSampleId :

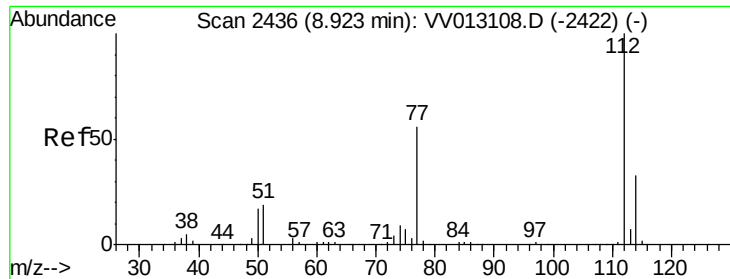
Tot Ion:129 Resp: 10803
 Ion Ratio Lower Upper
 129 100
 127 80.1 54.0 100.4



#50
 1,2-Dibromoethane
 Concen: 2.113 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Tgt Ion:107 Resp: 10650
 Ion Ratio Lower Upper
 107 100
 109 94.7 66.6 123.6
 188 5.7 3.4 5.2#

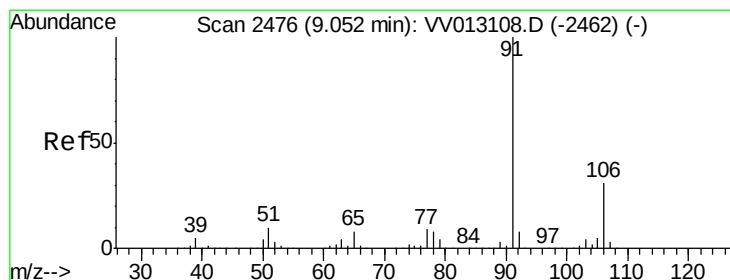
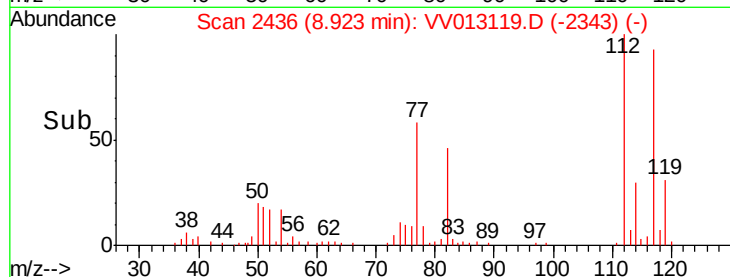
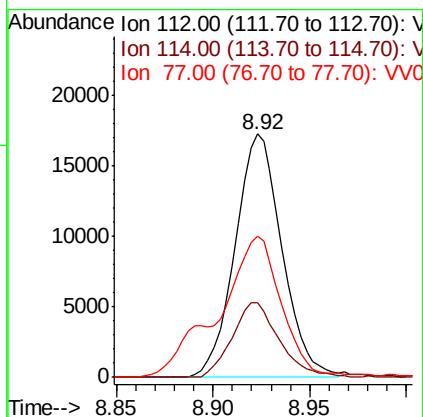
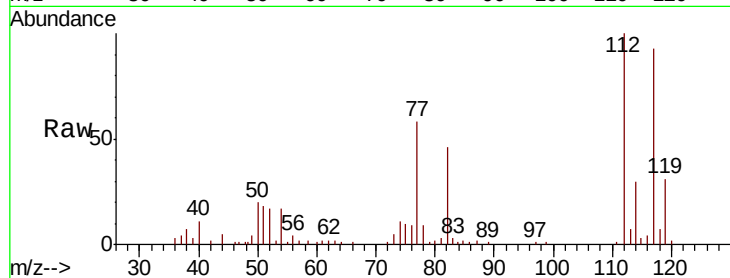




#51
Chlorobenzene
Concen: 2.196 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

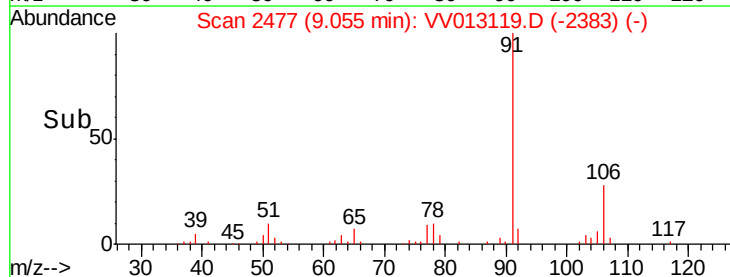
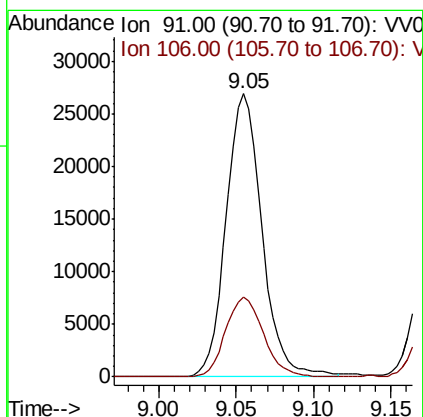
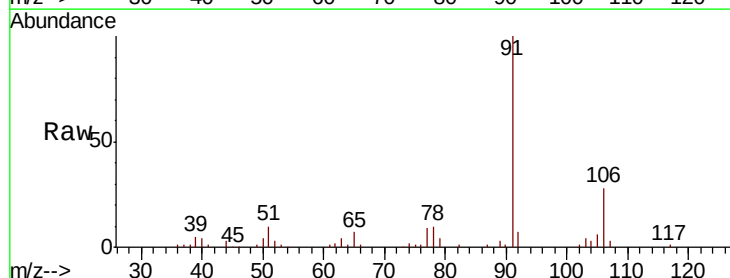
Instrument :
MSVOA_V
ClientSampled :

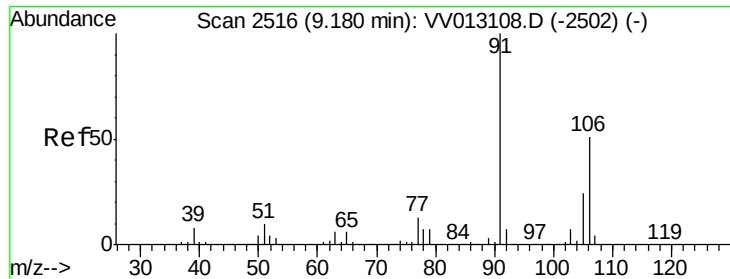
Tot Ion:112 Resp: 29090
Ion Ratio Lower Upper
112 100
114 30.4 22.8 42.4
77 58.2 45.1 67.7



#52
Ethylbenzene
Concen: 2.007 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion: 91 Resp: 43286
Ion Ratio Lower Upper
91 100
106 28.0 21.8 40.4

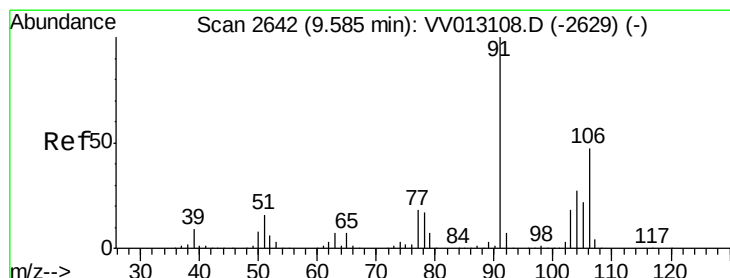
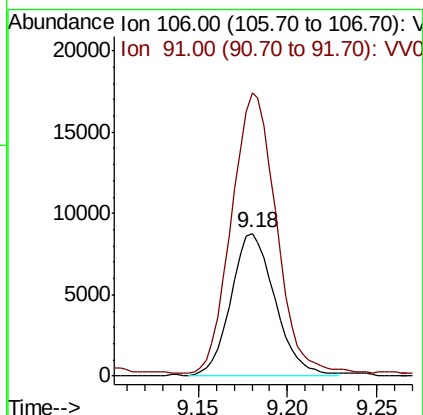
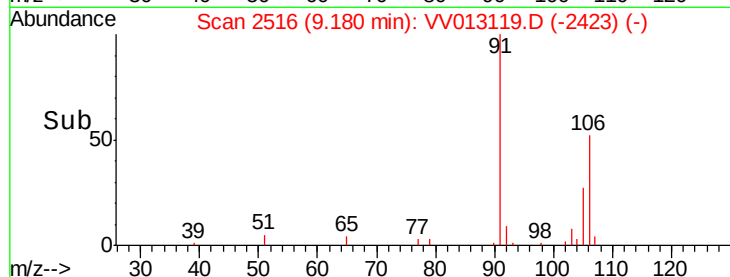
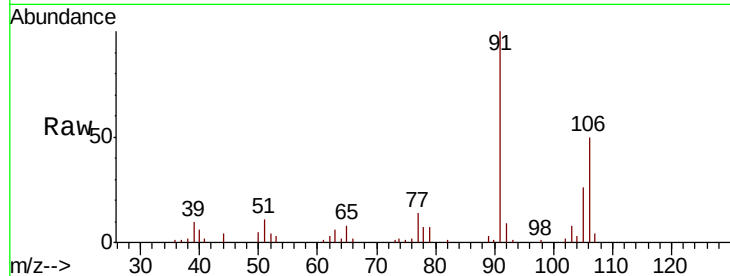




#53
m,p-Xylene
Concen: 1.864 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

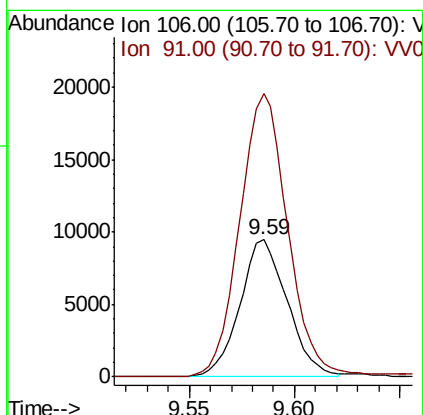
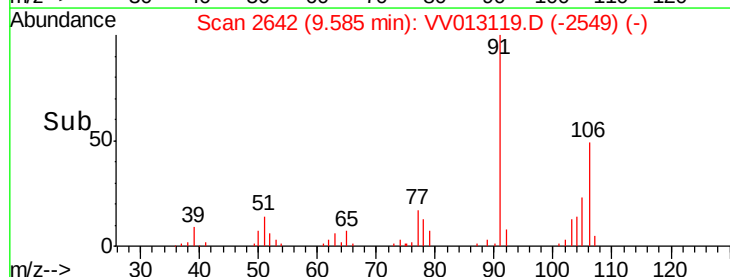
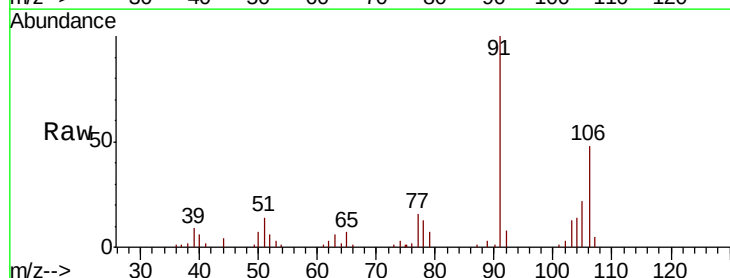
Instrument :
MSVOA_V
ClientSampleId :

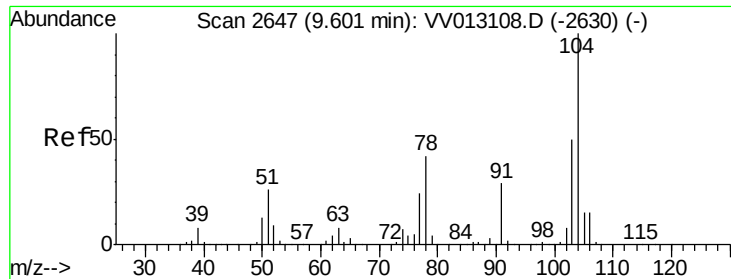
Tot Ion:106 Resp: 15131
Ion Ratio Lower Upper
106 100
91 198.5 137.8 255.8



#54
o-xylene
Concen: 1.820 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:106 Resp: 14795
Ion Ratio Lower Upper
106 100
91 206.3 147.6 274.2

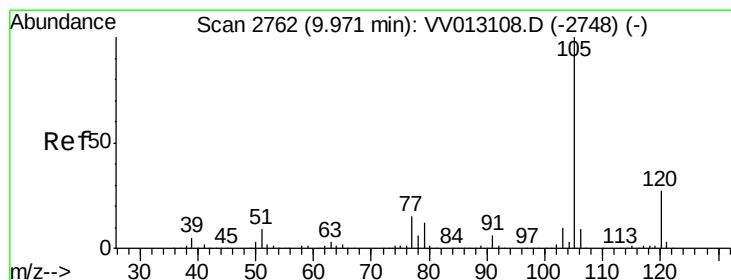
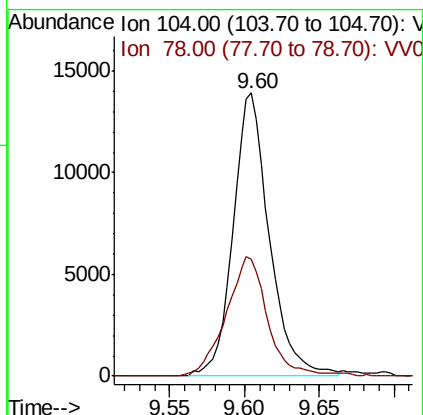
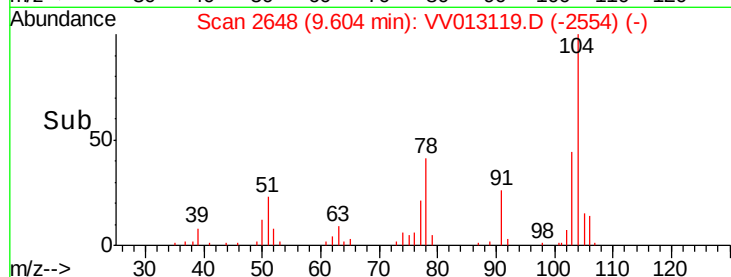
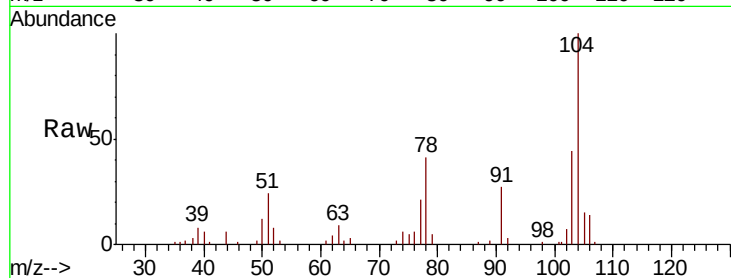




#55
Stvrene
Concen: 1.753 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

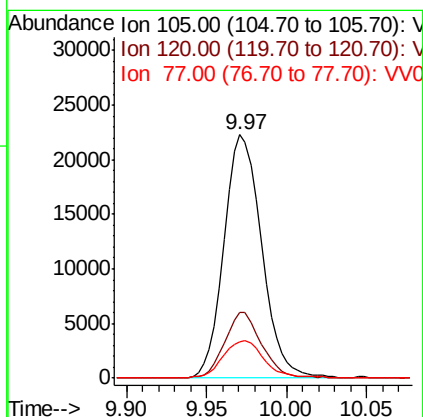
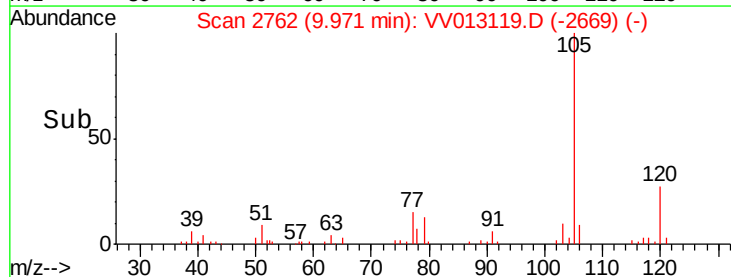
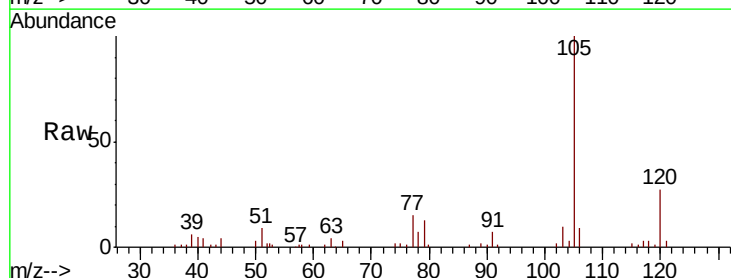
Instrument :
MSVOA_V
ClientSampleId :

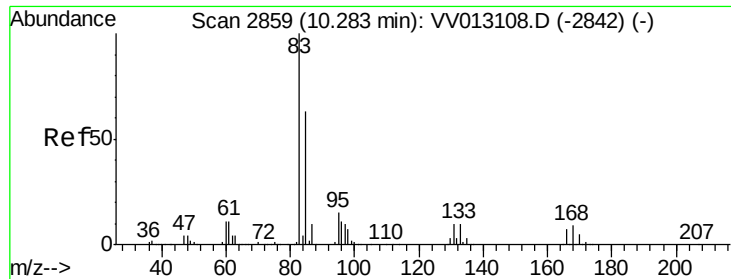
Tot Ion:104 Resp: 23410
Ion Ratio Lower Upper
104 100
78 41.5 29.1 54.1



#56
Isopropylbenzene
Concen: 1.717 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. -0.00 min
Lab File: VV013119.D
Acq: 11 Oct 2019 23:08

Tgt Ion:105 Resp: 35839
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.2
77 16.6 12.1 18.1





#58

1,1,2,2-Tetrachloroethane

Concen: 2.471 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :

MSVOA_V

ClientSampled :

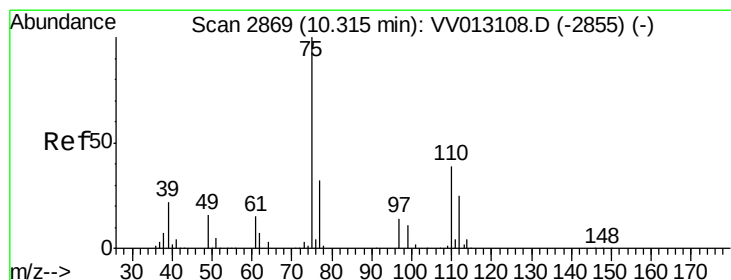
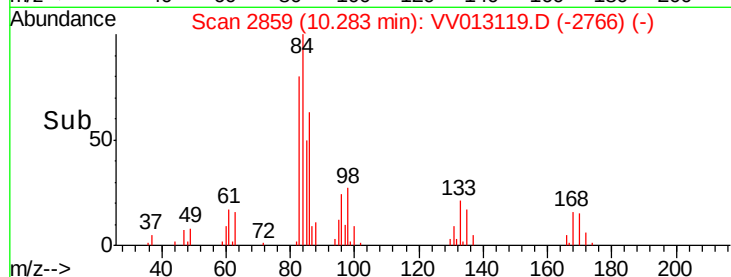
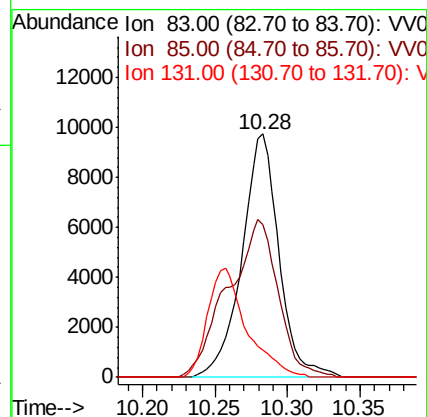
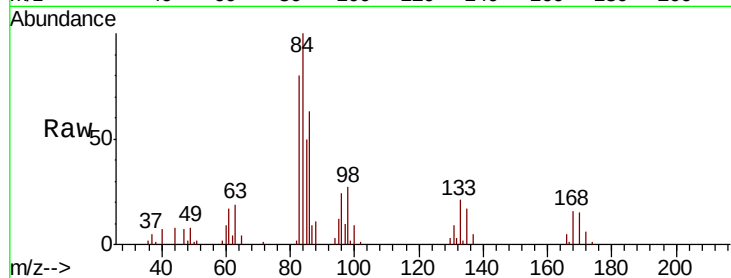
Tot Ion: 83 Resp: 17325

Ion Ratio Lower Upper

83 100

85 62.9 44.3 82.3

131 11.1 8.1 12.1



#59

1,2,3-Trichloropropane

Concen: 2.186 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013119.D

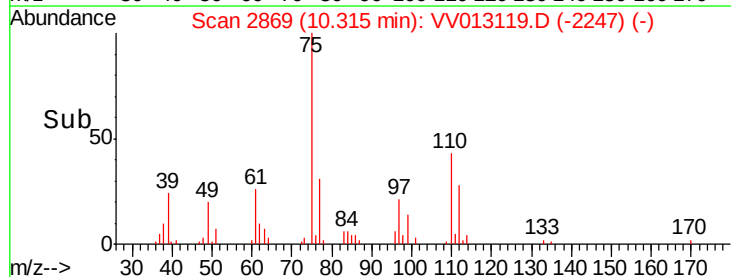
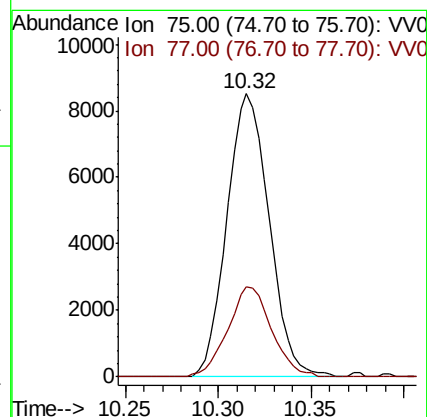
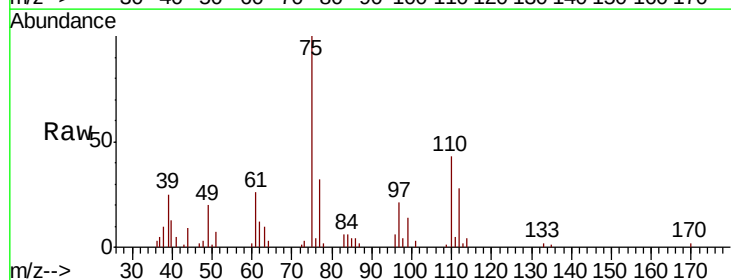
Acq: 11 Oct 2019 23:08

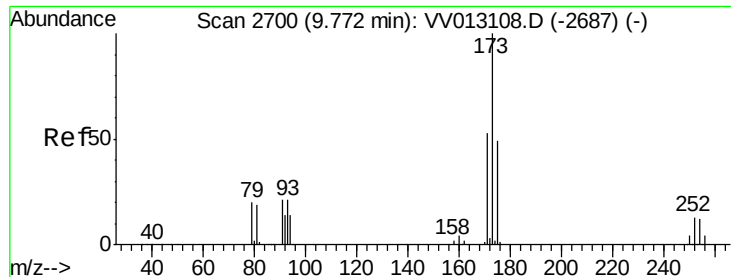
Tgt Ion: 75 Resp: 13520

Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5





#61

Bromoform

Concen: 2.304 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :
MSVOA_V
ClientSampleId :

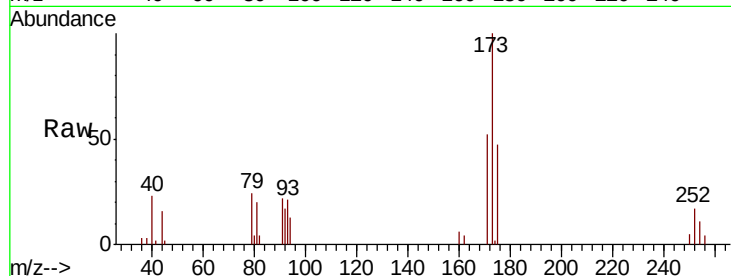
Tot Ion:173 Resp: 7748

Ion Ratio Lower Upper

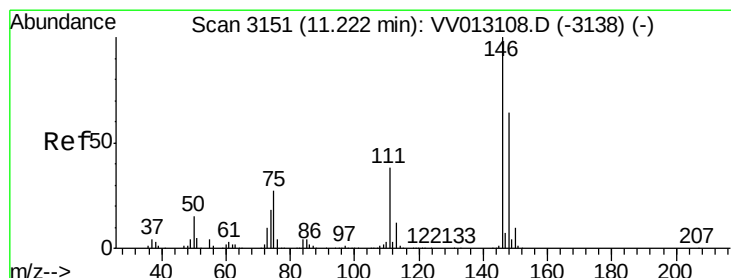
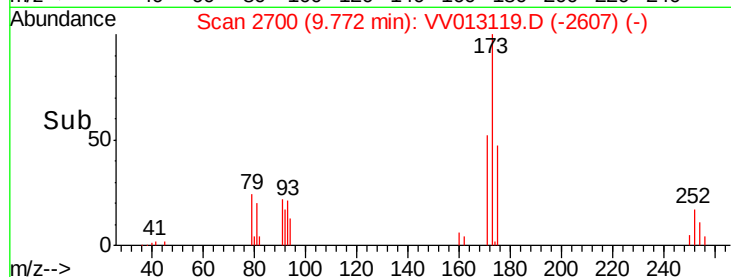
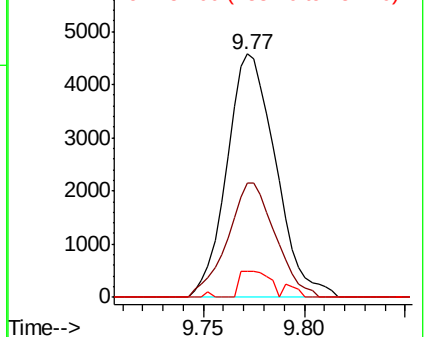
173 100

175 45.9 38.8 58.2

254 6.6 9.6 14.4#



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



#62

1,3-Dichlorobenzene

Concen: 2.172 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

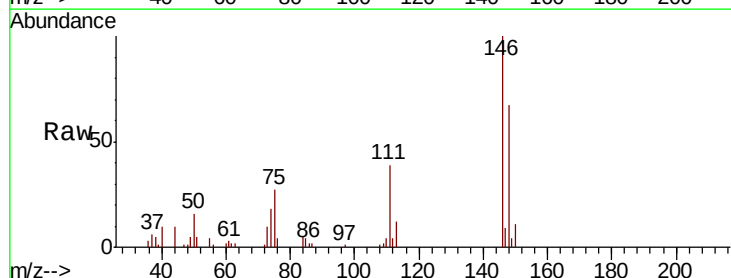
Tgt Ion:146 Resp: 18766

Ion Ratio Lower Upper

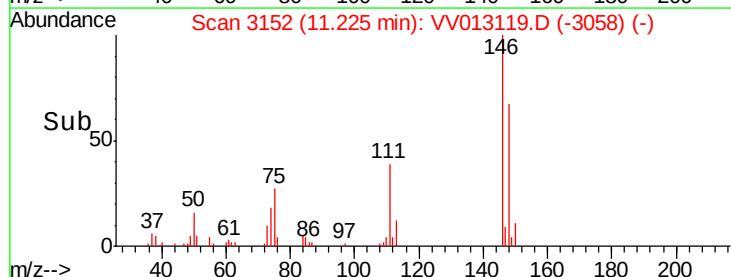
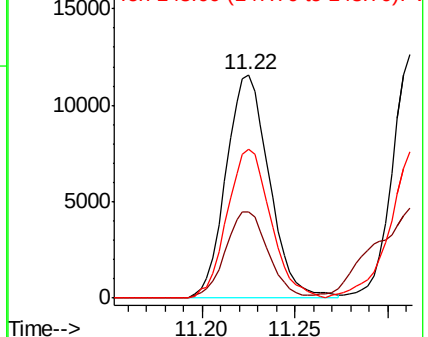
146 100

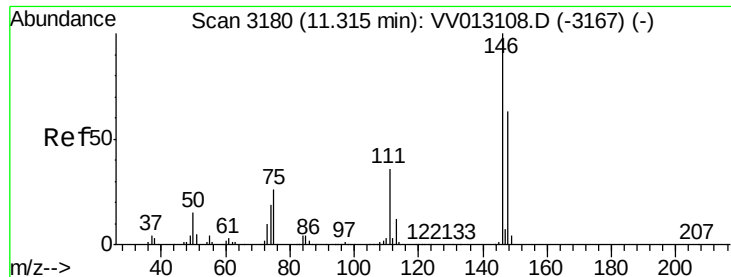
111 38.8 26.6 49.4

148 66.8 44.6 82.8



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





#63

1,4-Dichlorobenzene

Concen: 2.489 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

Instrument :

MSVOA_V

ClientSampleId :

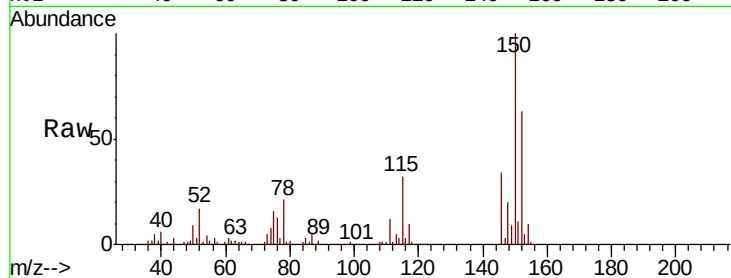
Tot Ion:146 Resp: 21595

Ion Ratio Lower Upper

146 100

111 36.8 25.4 47.2

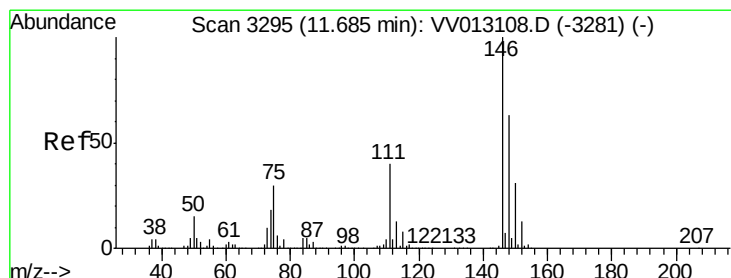
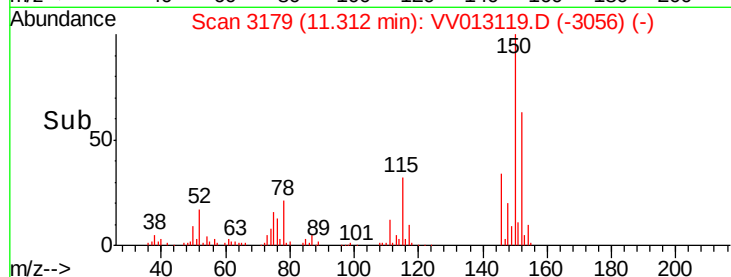
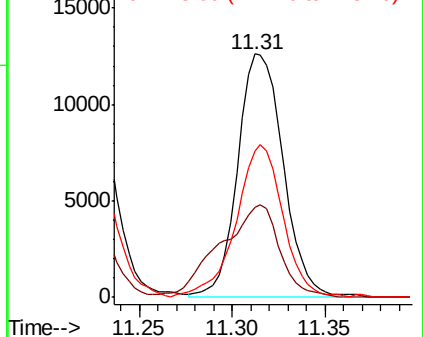
148 60.0 44.2 82.2



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



#65

1,2-Dichlorobenzene

Concen: 2.538 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013119.D

Acq: 11 Oct 2019 23:08

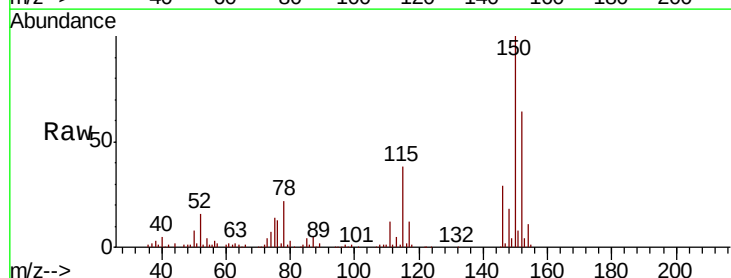
Tgt Ion:146 Resp: 22324

Ion Ratio Lower Upper

146 100

111 40.0 32.2 48.2

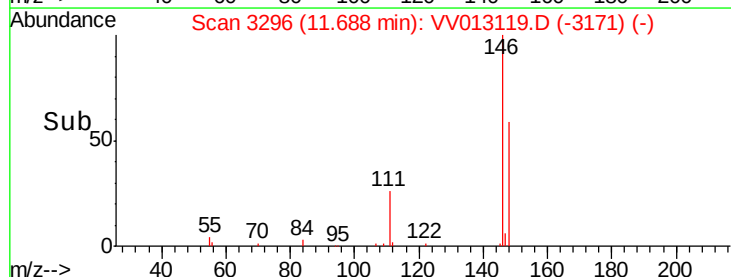
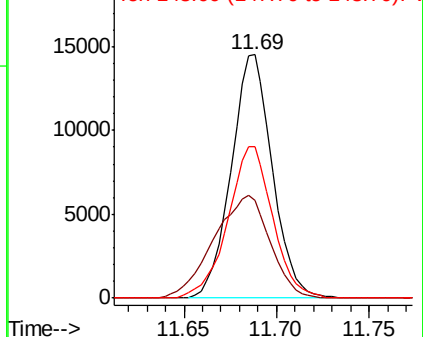
148 62.3 50.6 76.0

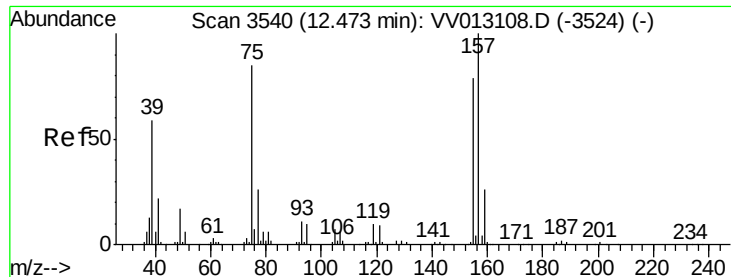


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

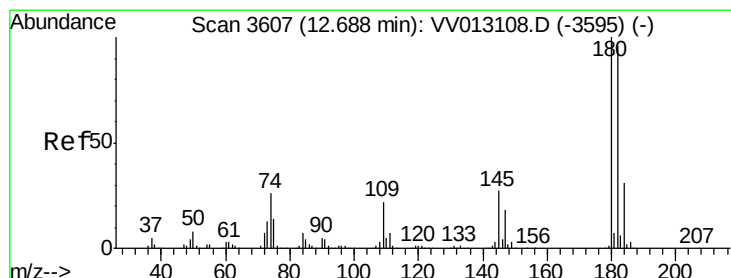
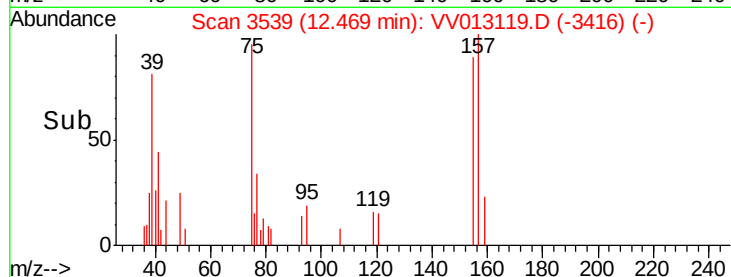
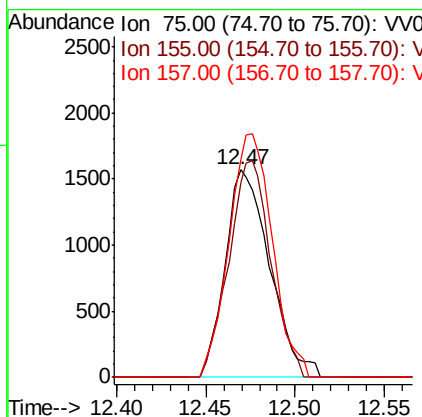
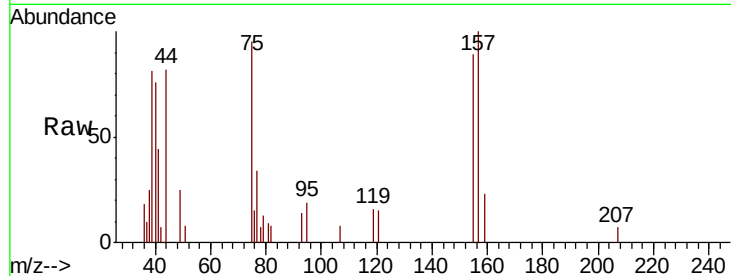




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.129 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

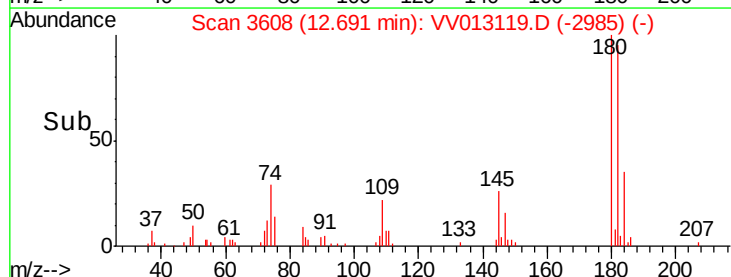
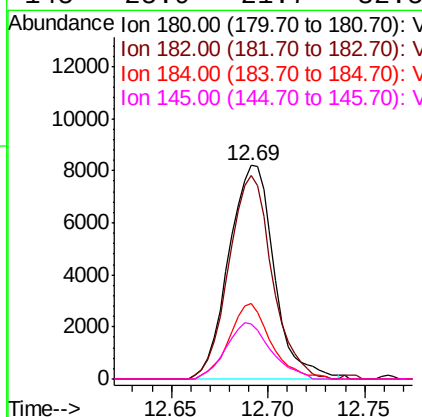
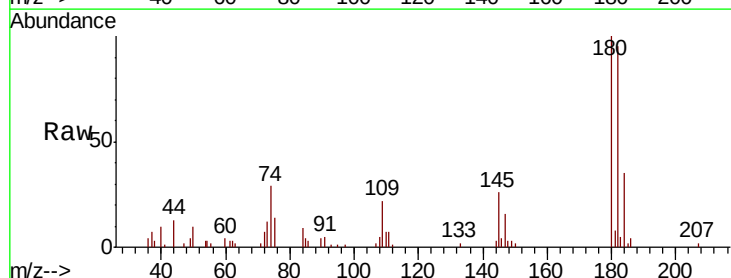
Instrument :
 MSVOA_V
 ClientSampleId :

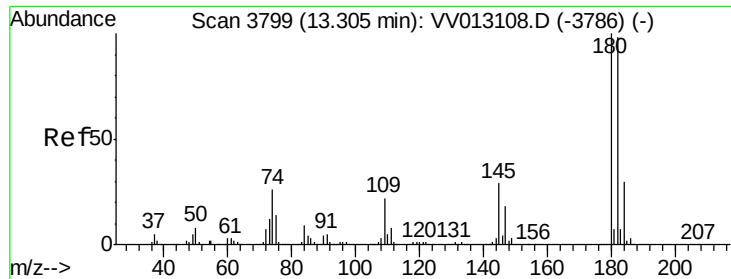
Tot Ion: 75 Resp: 2724
 Ion Ratio Lower Upper
 75 100
 155 93.9 74.6 111.8
 157 105.2 94.2 141.4



#67
 1,3,5-Trichlorobenzene
 Concen: 2.173 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Tgt Ion: 180 Resp: 13394
 Ion Ratio Lower Upper
 180 100
 182 91.0 76.7 115.1
 184 32.1 24.3 36.5
 145 25.9 21.7 32.5

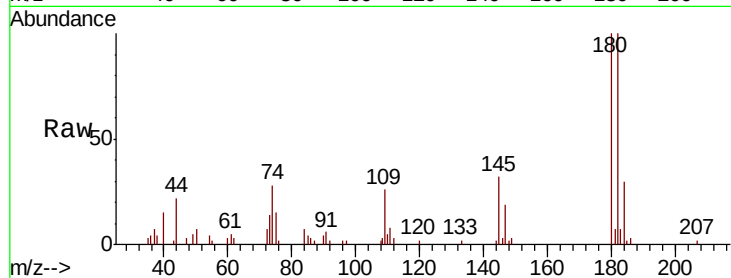




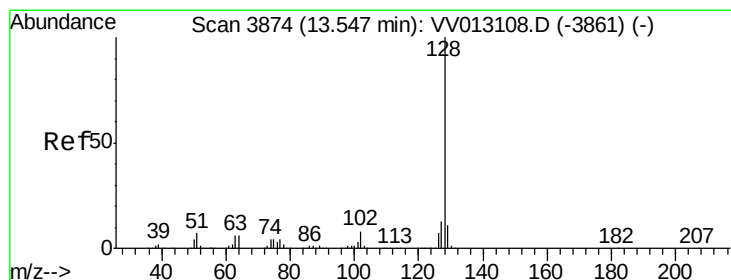
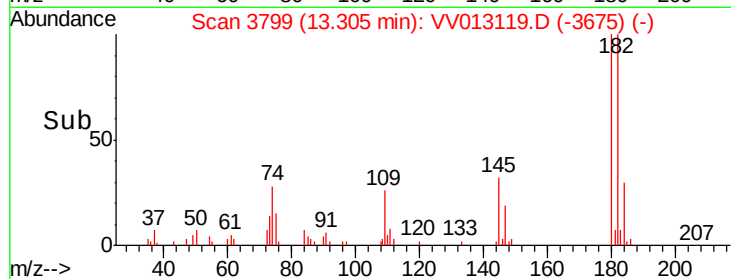
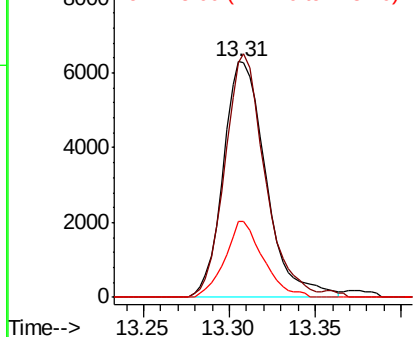
#68
 1,2,4-trichlorobenzene
 Concen: 2.062 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 10897
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.4 116.0
 145 28.9 22.7 34.1

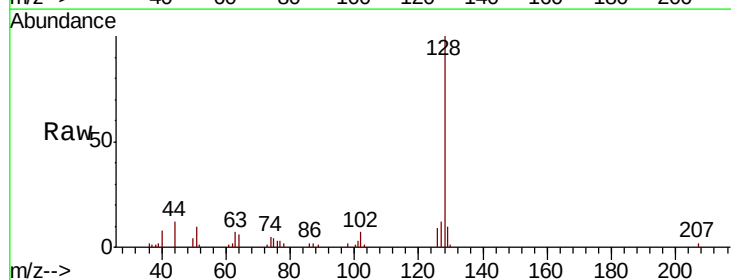


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

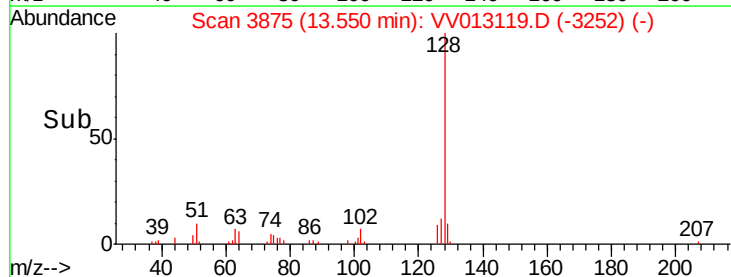
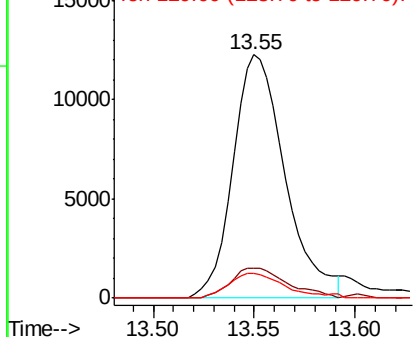


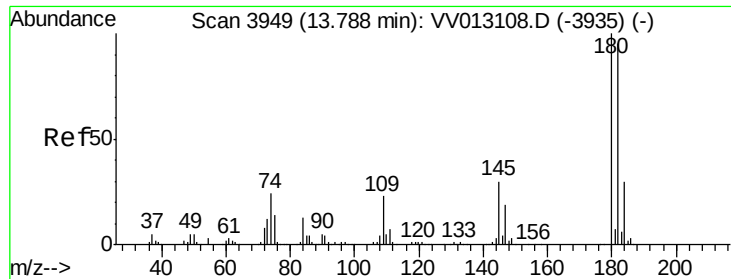
#69
 Naphthalene
 Concen: 1.521 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Tgt Ion:128 Resp: 22150
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.2 15.4
 129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

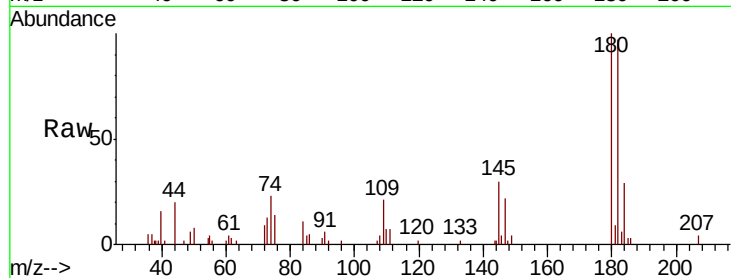




#70
 1,2,3-Trichlorobenzene
 Concen: 1.945 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013119.D
 Acq: 11 Oct 2019 23:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	100.5	76.9	115.3	
145	29.8	23.8	35.8	



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

