

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
 Data File : VV013118.D
 Acq On : 11 Oct 2019 22:44
 Operator : SY/MD
 Sample : MDL06 2.5PPB
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 12 03:31:04 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	704902	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	657618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	278208	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	235257	52.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.60%
7) Chloroethane-d5	1.58	69	201649	55.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.42%
11) 1,1-Dichloroethene-d2	2.13	63	336813	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.16%
21) 2-Butanone-d5	3.92	46	369909	110.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.41%
24) Chloroform-d	4.40	84	448960	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	5.08	65	293567	55.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.04%
32) Benzene-d6	5.10	84	958083	54.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.22%
36) 1,2-Dichloropropane-d6	6.12	67	306528	55.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.52%
41) Toluene-d8	7.36	98	833378	53.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.16%
43) trans-1,3-Dichloropropene-	7.66	79	127569	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.46%
47) 2-Hexanone-d5	8.13	63	231194	105.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	371932	52.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.86%
64) 1,2-Dichlorobenzene-d4	11.67	152	317650	58.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	12150	2.222	ug/L	95
3) Chloromethane	1.25	50	15811	2.541	ug/L	99
5) Vinyl chloride	1.33	62	13954	2.334	ug/L #	69
6) Bromomethane	1.53	94	9055	2.961	ug/L	94
8) Chloroethane	1.60	64	8522	2.397	ug/L	96
9) Trichlorofluoromethane	1.77	101	17018	2.219	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12855	2.845	ug/L #	84
12) 1,1-Dichloroethene	2.14	96	12612	2.885	ug/L #	1
13) Acetone	2.19	43	11065	3.597	ug/L	93
14) Carbon disulfide	2.32	76	28930	2.282	ug/L	99
15) Methyl Acetate	2.46	43	12641	2.319	ug/L	95
16) Methylene chloride	2.54	84	12977	2.495	ug/L	98
17) trans-1,2-Dichloroethene	2.80	96	10584	2.232	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	30142	2.106	ug/L	98
19) 1,1-Dichloroethane	3.23	63	20096	2.246	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	12285	2.289	ug/L	96
23) Bromochloromethane	4.30	128	6543	2.400	ug/L	90

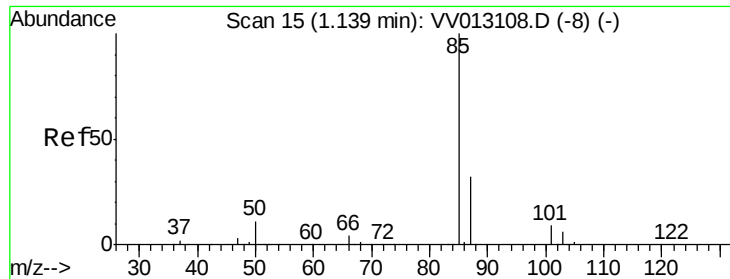
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101119\
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 Quant Title : VOC Analysis
 QLast Update : Sat Oct 12 01:26:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.42	83	26377	2.926	ug/L	99
27) 1,2-Dichloroethane	5.18	62	15579	2.255	ug/L	96
29) Cyclohexane	4.73	56	16235	2.061	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	16764	2.297	ug/L	99
31) Carbon tetrachloride	4.88	117	14864	2.292	ug/L	89
33) Benzene	5.15	78	44205	2.207	ug/L	100
34) Trichloroethene	5.96	95	12812	2.402	ug/L	96
35) Methylcyclohexane	6.18	83	16846	2.088	ug/L	97
37) 1,2-Dichloropropane	6.22	63	12387	2.388	ug/L #	95
38) Bromodichloromethane	6.56	83	14552	2.205	ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	16577	2.161	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	25755	3.793	ug/L	97
42) Toluene	7.43	91	46825	2.271	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	14927	2.245	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	10673	2.167	ug/L	97
46) Tetrachloroethene	8.02	164	9062	2.146	ug/L	94
48) 2-Hexanone	8.18	43	32238	6.140	ug/L	92
49) Dibromochloromethane	8.29	129	11367	2.118	ug/L	98
50) 1,2-Dibromoethane	8.40	107	11584	2.251	ug/L	95
51) Chlorobenzene	8.92	112	30043	2.222	ug/L	98
52) Ethylbenzene	9.05	91	43372	1.969	ug/L	98
53) m,p-Xylene	9.18	106	15938	1.923	ug/L	94
54) o-xylene	9.59	106	15272	1.840	ug/L	93
55) Styrene	9.60	104	23702	1.738	ug/L	99
56) Isopropylbenzene	9.97	105	37116	1.741	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	17549	2.451	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	13723	2.173	ug/L	97
61) Bromoform	9.77	173	8232	2.351	ug/L #	89
62) 1,3-Dichlorobenzene	11.22	146	19806	2.201	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	22082	2.444	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	21816	2.382	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	3281	2.463	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	13782	2.148	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	11708	2.127	ug/L	96
69) Naphthalene	13.55	128	23290	1.536	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	11789	2.003	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.222 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

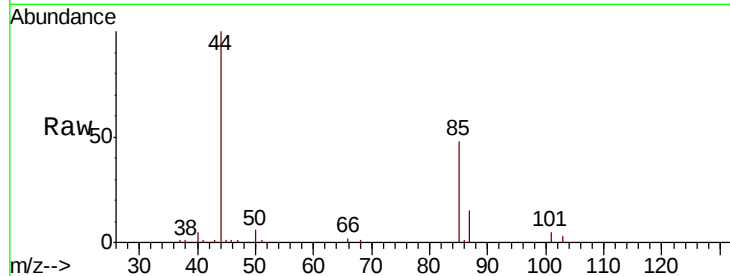
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 12150

Ion Ratio Lower Upper

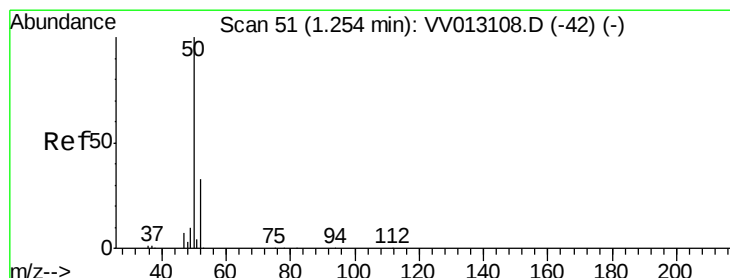
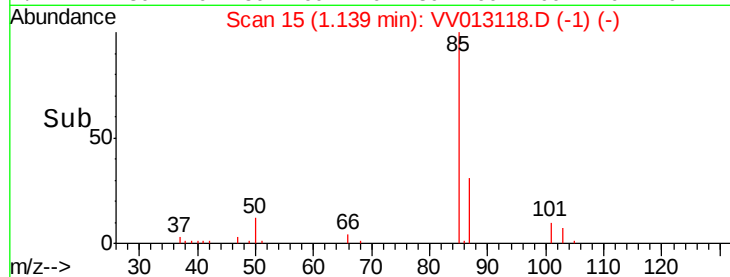
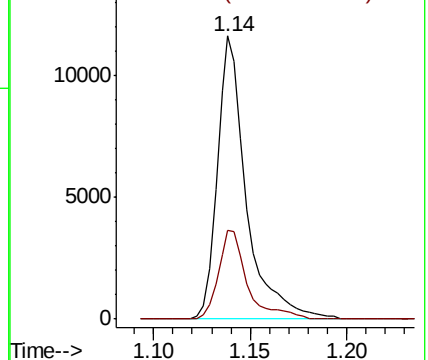
85 100

87 29.1 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: 2.541 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013118.D

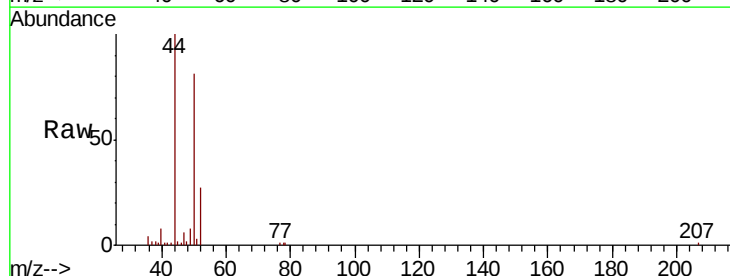
Acq: 11 Oct 2019 22:44

Tgt Ion: 50 Resp: 15811

Ion Ratio Lower Upper

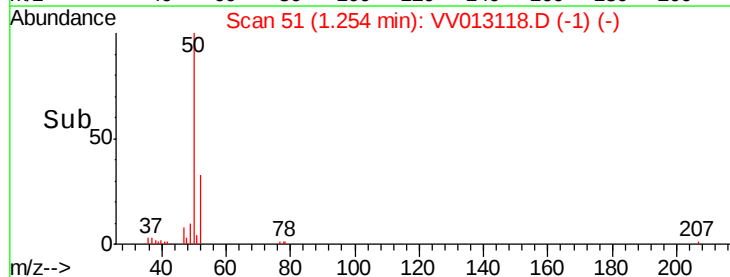
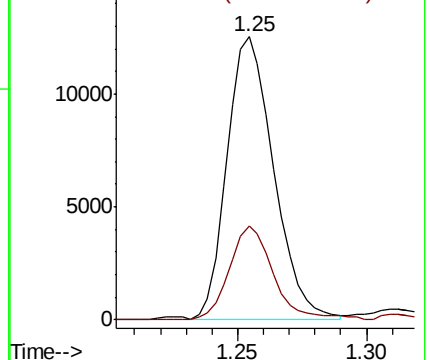
50 100

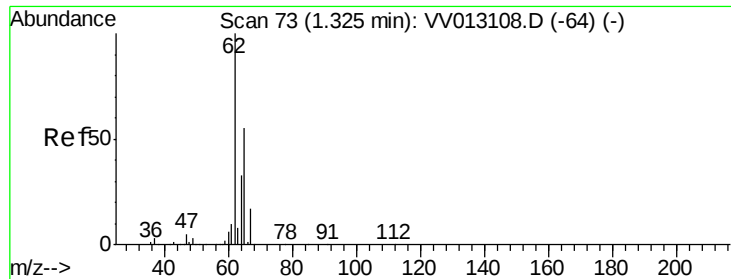
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.334 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

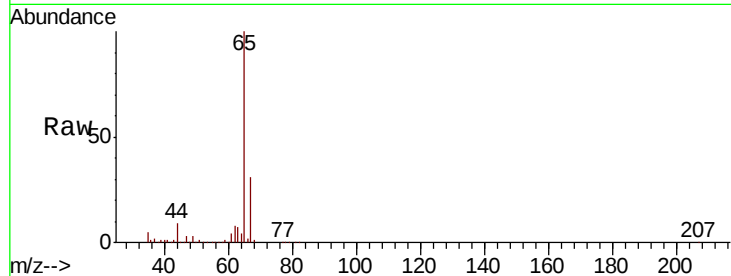
ClientSampled :

Tot Ion: 62 Resp: 13954

Ion Ratio Lower Upper

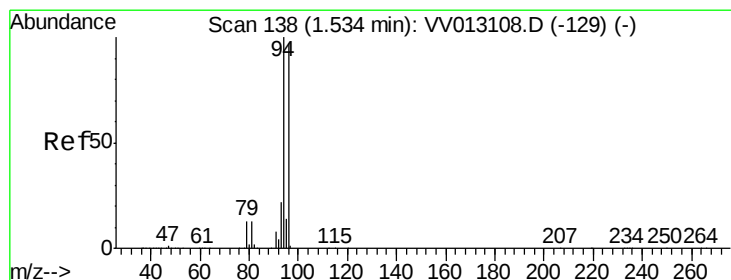
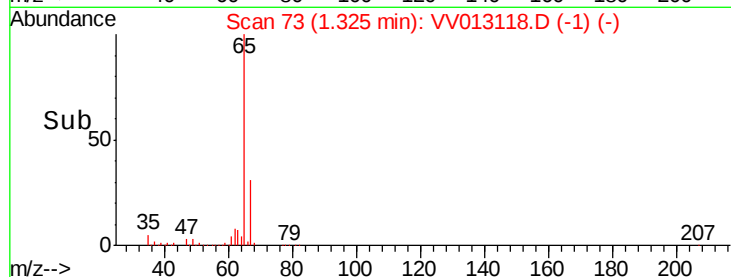
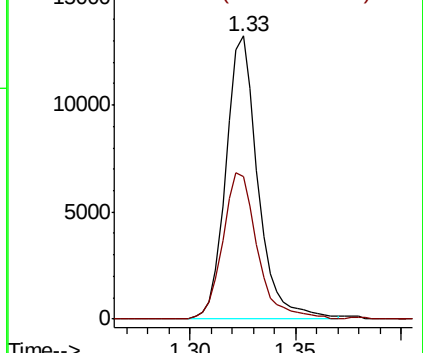
62 100

64 50.2 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: 2.961 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013118.D

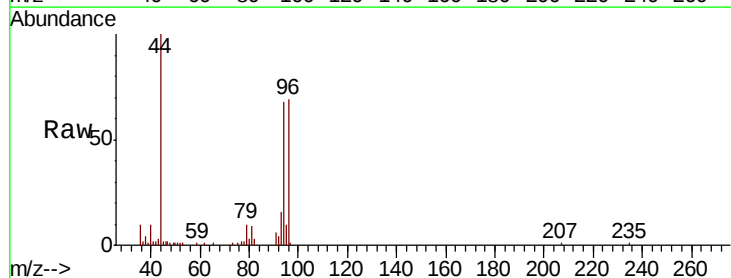
Acq: 11 Oct 2019 22:44

Tgt Ion: 94 Resp: 9055

Ion Ratio Lower Upper

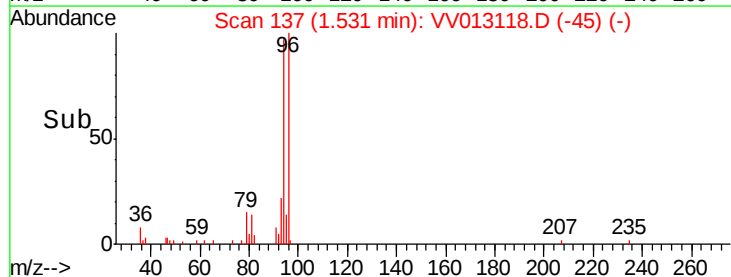
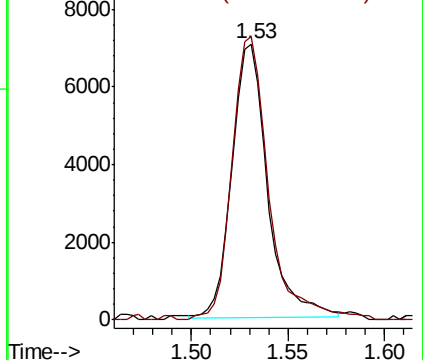
94 100

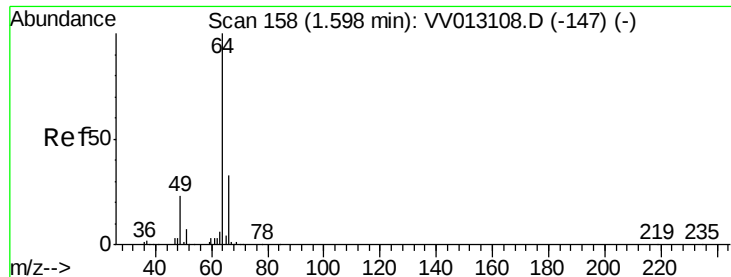
96 102.6 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

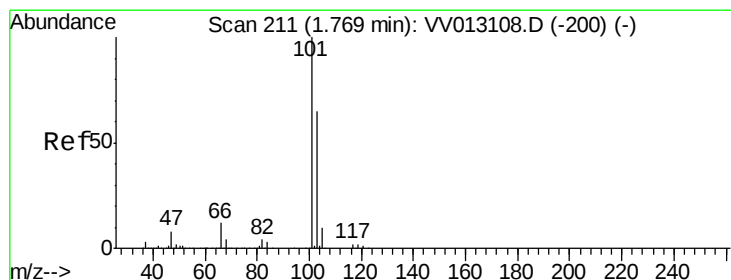
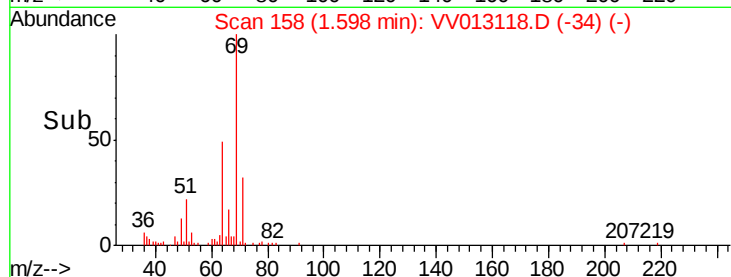
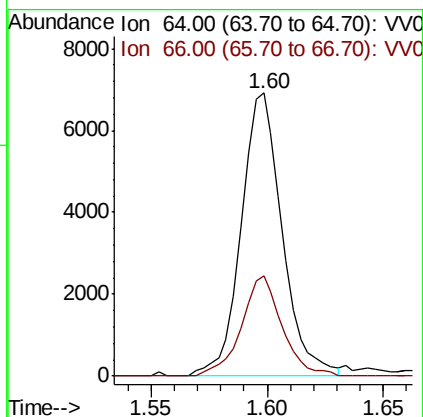
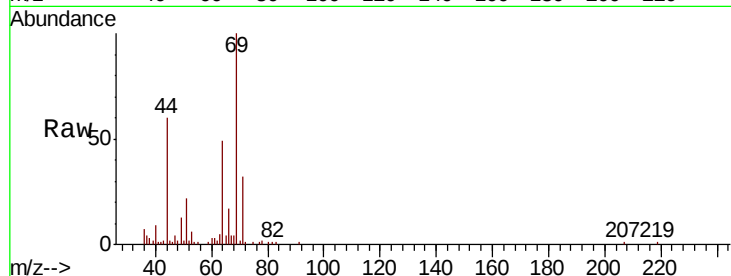




#8
Chloroethane
Concen: 2.397 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

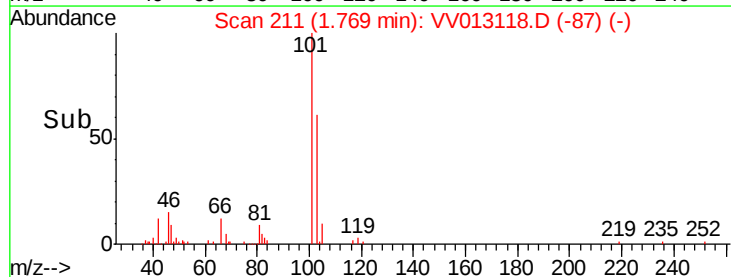
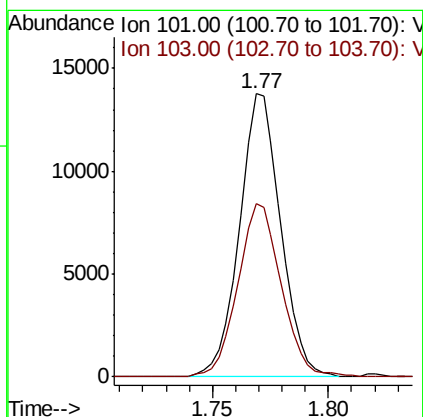
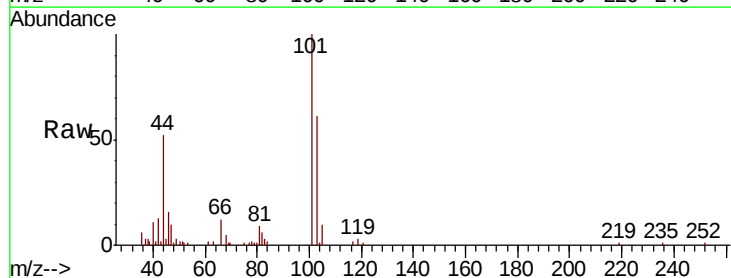
Instrument :
MSVOA_V
ClientSampleId :

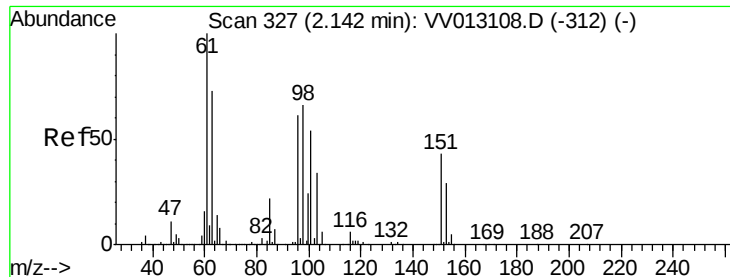
Tot Ion: 64 Resp: 8522
Ion Ratio Lower Upper
64 100
66 35.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 2.219 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 101 Resp: 17018
Ion Ratio Lower Upper
101 100
103 64.4 51.3 76.9





#10

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

Concen: 2.845 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

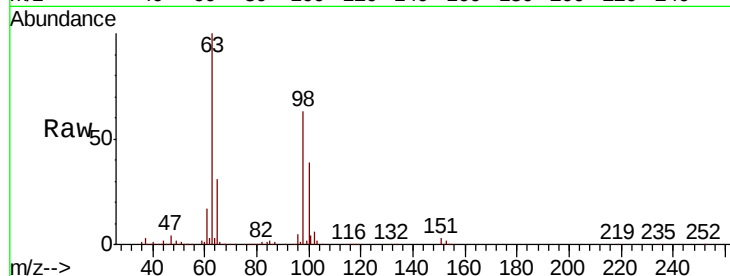
Tot Ion:101 Resp: 12855

Ion Ratio Lower Upper

101 100

85 37.2 32.9 49.3

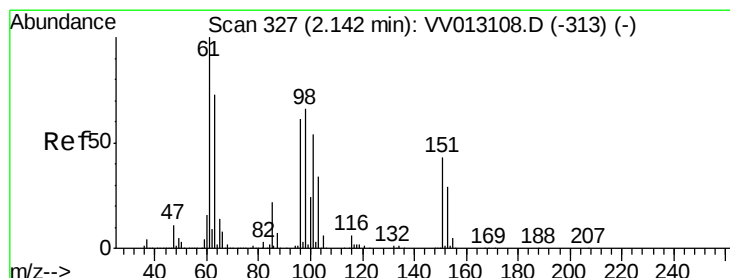
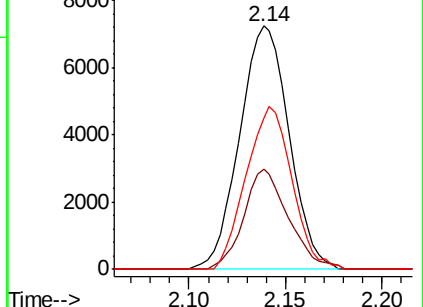
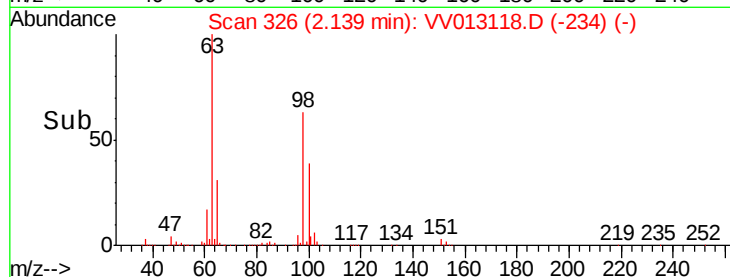
151 61.9 64.9 97.3#



Abundance Ion 101.00 (100.70 to 101.70): VV013118.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV013118.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV013118.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 2.885 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

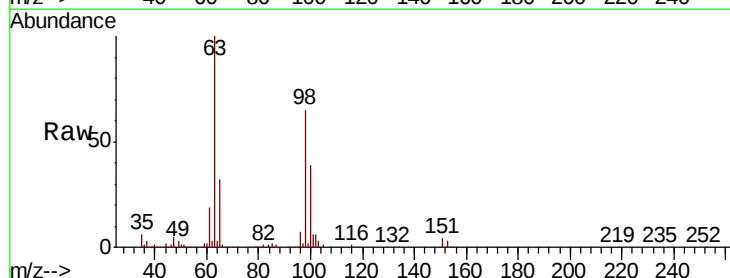
Tgt Ion: 96 Resp: 12612

Ion Ratio Lower Upper

96 100

61 281.2 115.7 214.9#

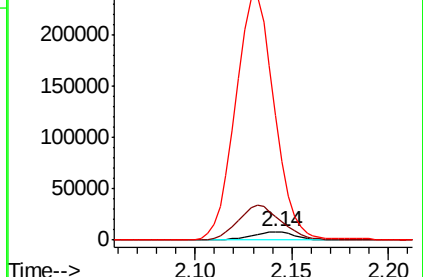
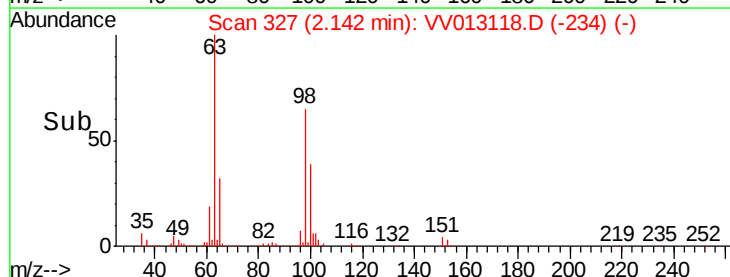
63 1471.6 84.3 156.5#

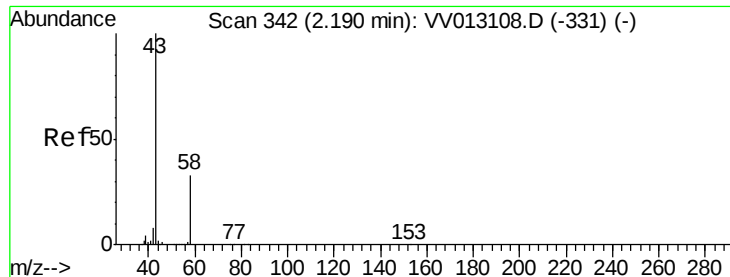


Abundance Ion 96.00 (95.70 to 96.70): VV013118.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV013118.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV013118.D (-234) (-)





#13

Acetone

Concen: 3.597 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

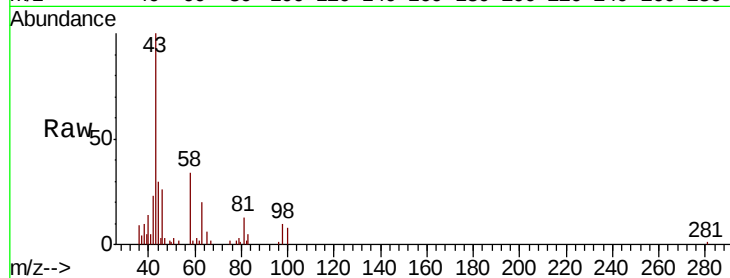
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 11065

Ion Ratio Lower Upper

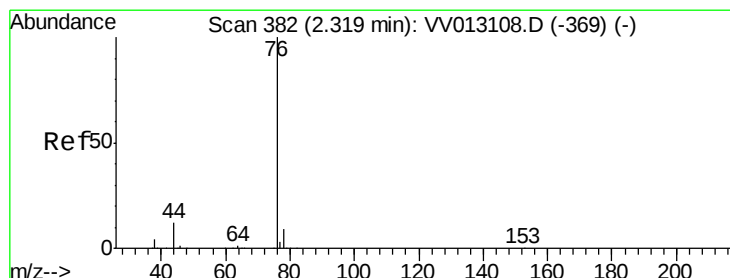
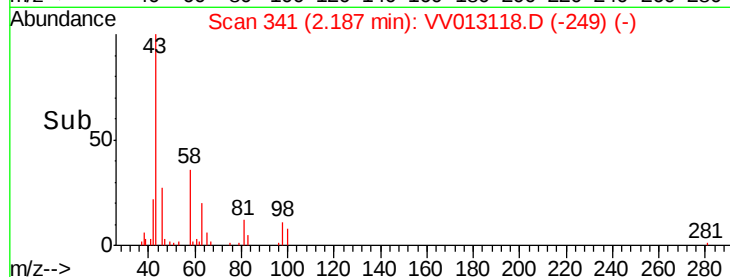
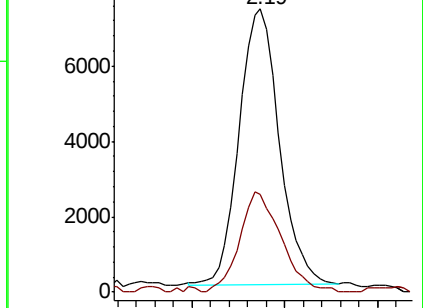
43 100

58 37.1 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: 2.282 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV013118.D

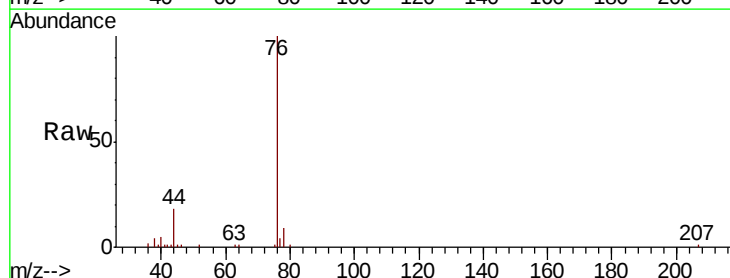
Acq: 11 Oct 2019 22:44

Tgt Ion: 76 Resp: 28930

Ion Ratio Lower Upper

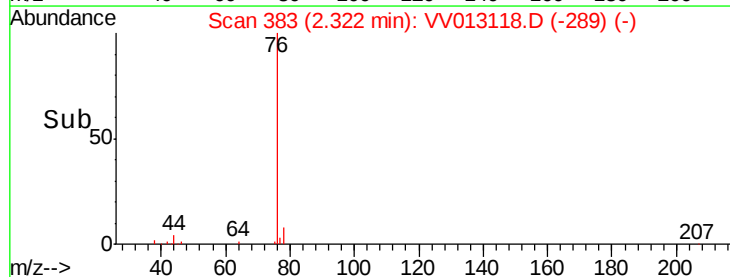
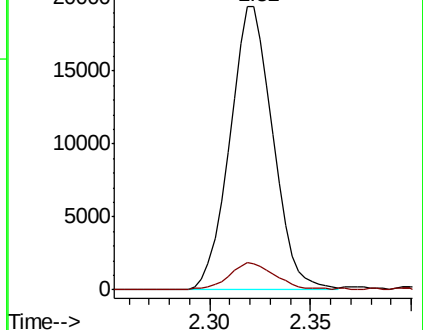
76 100

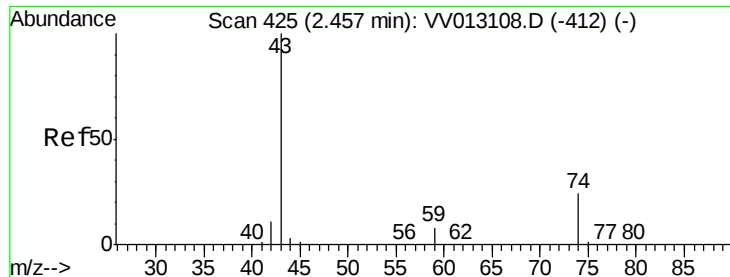
78 9.3 7.3 10.9



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: 2.319 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

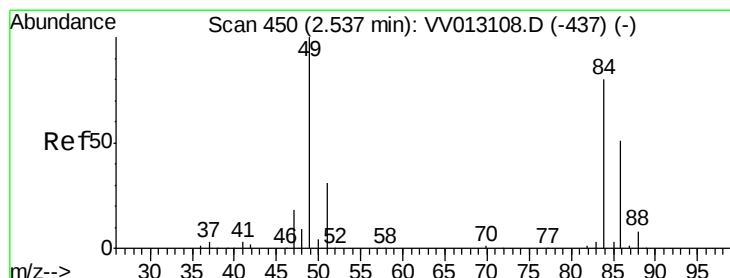
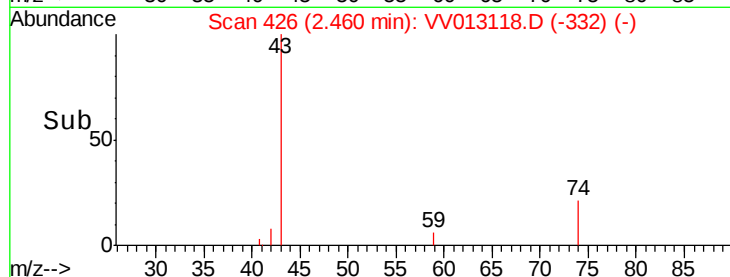
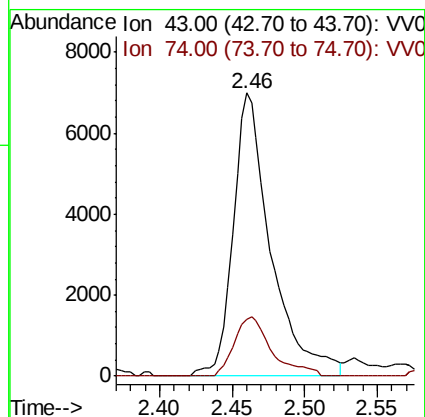
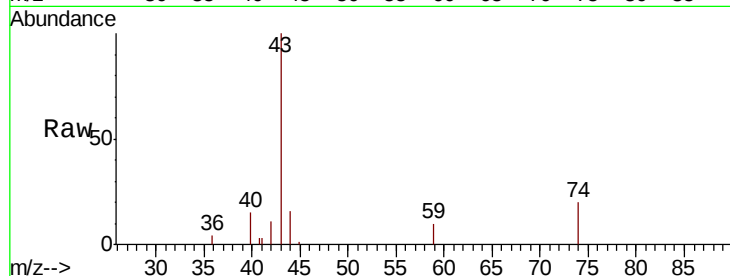
ClientSampleId :

Tot Ion: 43 Resp: 12641

Ion Ratio Lower Upper

43 100

74 20.7 18.4 27.6



#16

Methylene chloride

Concen: 2.495 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

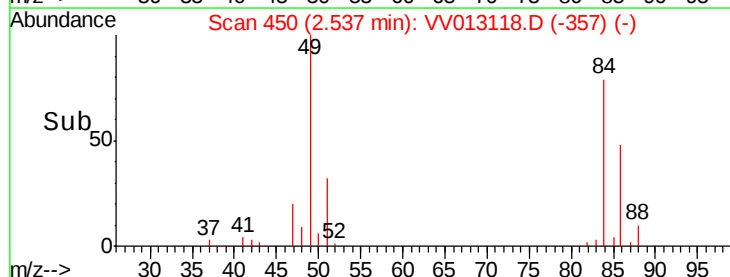
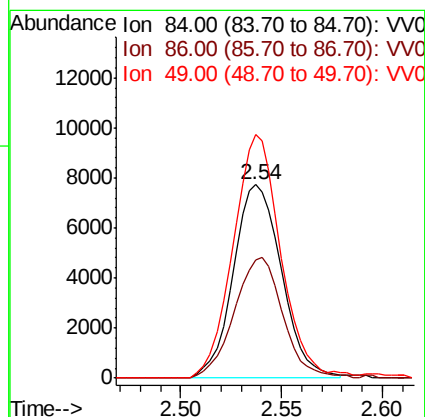
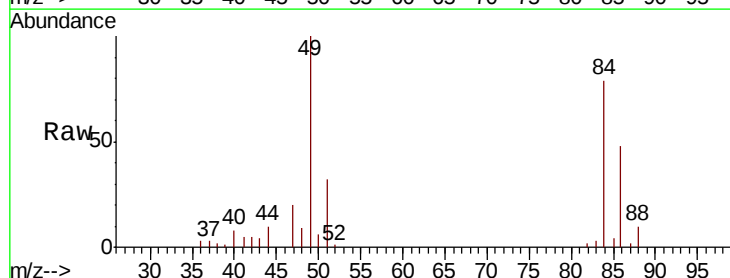
Tgt Ion: 84 Resp: 12977

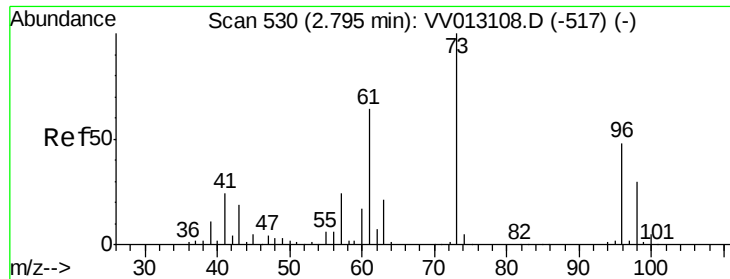
Ion Ratio Lower Upper

84 100

86 60.9 45.1 83.9

49 125.8 87.8 163.0

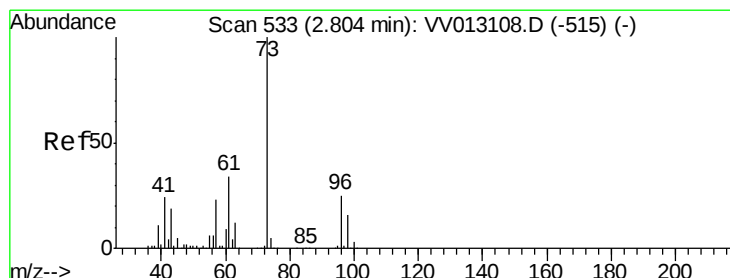
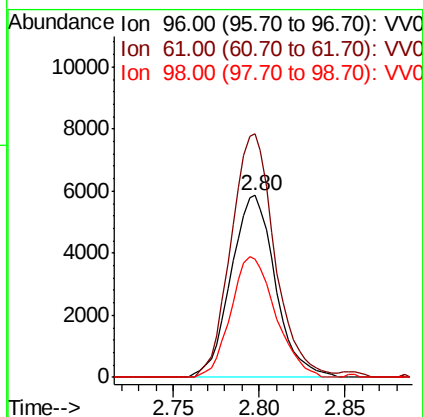
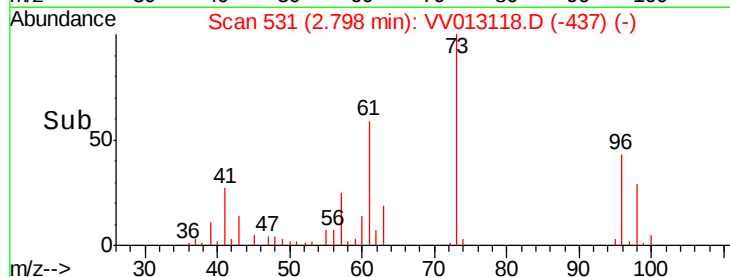
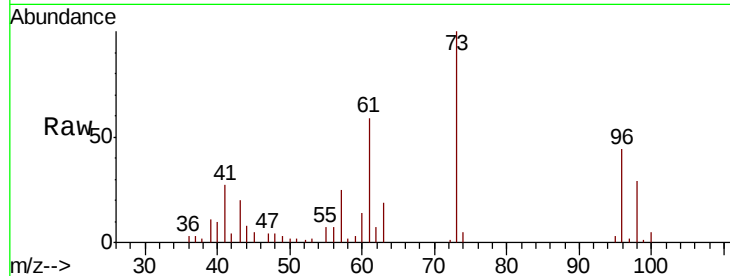




#17
trans-1,2-Dichloroethene
Concen: 2.232 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

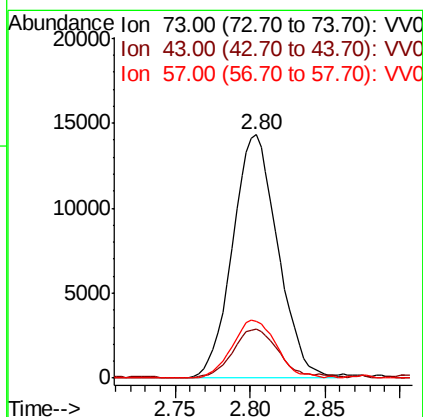
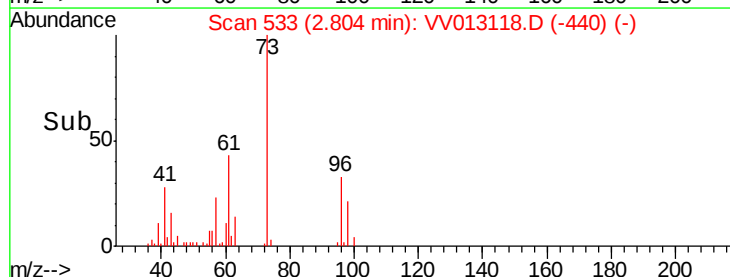
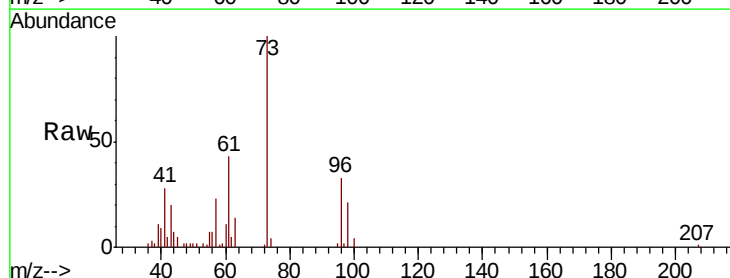
Instrument :
MSVOA_V
ClientSampled :

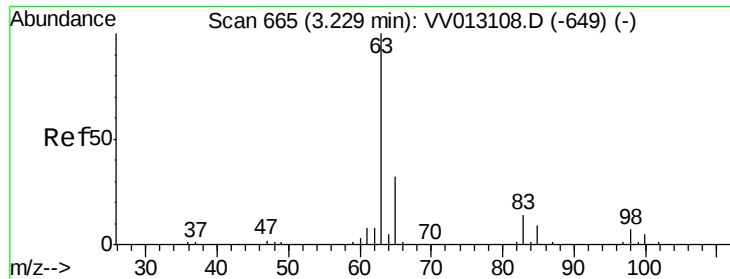
Tot Ion: 96 Resp: 10584
Ion Ratio Lower Upper
96 100
61 133.8 93.9 174.5
98 64.8 43.9 81.5



#18
Methyl tert-butyl Ether
Concen: 2.106 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 73 Resp: 30142
Ion Ratio Lower Upper
73 100
43 20.2 15.0 22.6
57 23.4 18.2 27.2





#19

1,1-Dichloroethane

Concen: 2.246 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

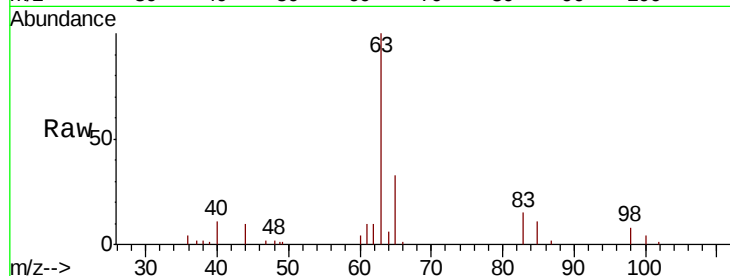
Tot Ion: 63 Resp: 20096

Ion Ratio Lower Upper

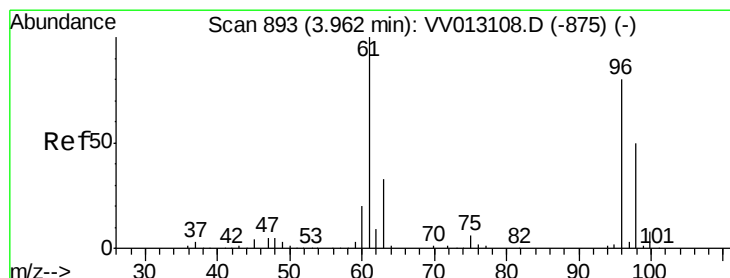
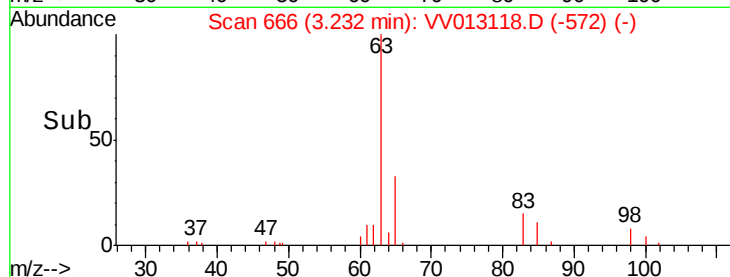
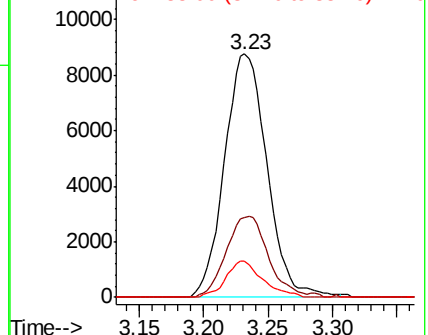
63 100

65 32.9 22.1 41.1

83 14.7 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: 2.289 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

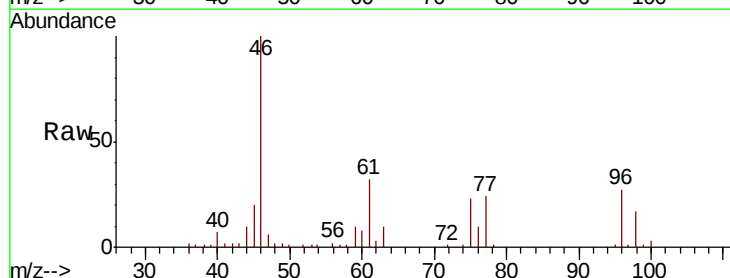
Tgt Ion: 96 Resp: 12285

Ion Ratio Lower Upper

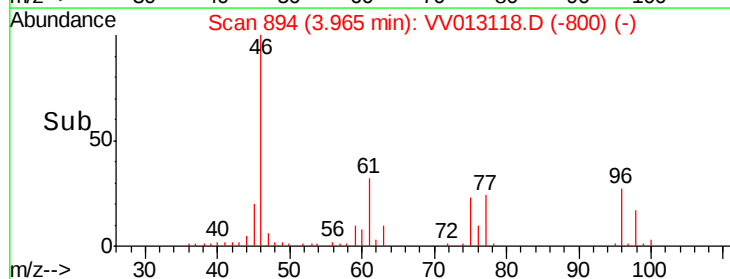
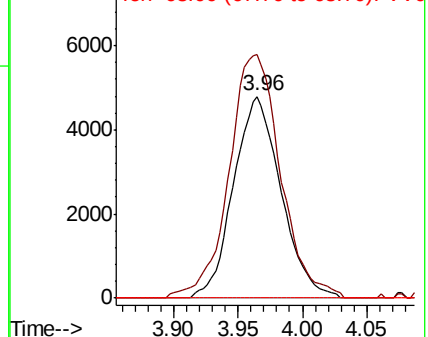
96 100

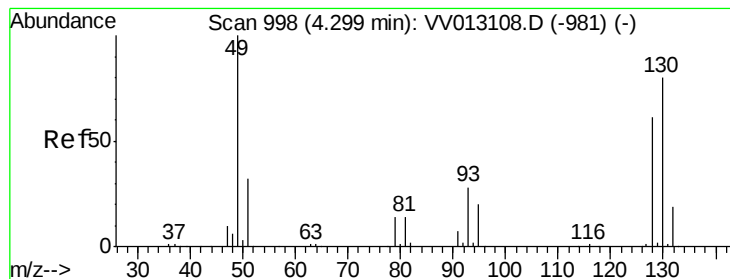
61 120.5 87.5 162.5

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





#23

Bromochloromethane

Concen: 2.400 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 6543

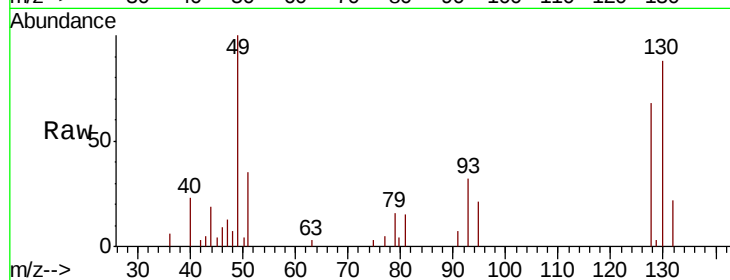
Ion Ratio Lower Upper

128 100

49 140.4 114.0 211.6

130 123.7 90.8 168.6

51 49.4 41.0 61.4

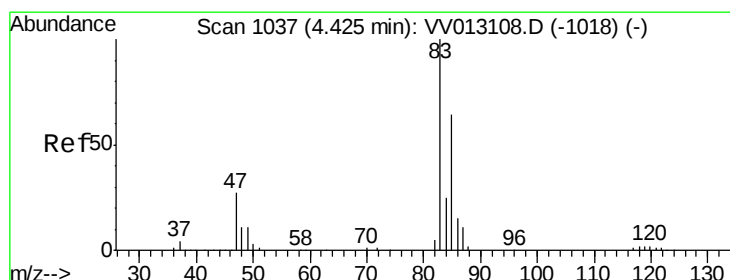
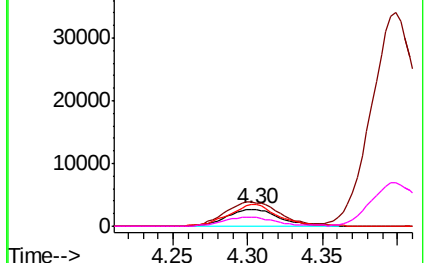
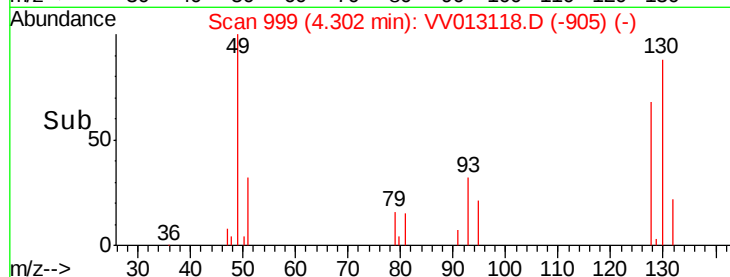


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 2.926 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV013118.D

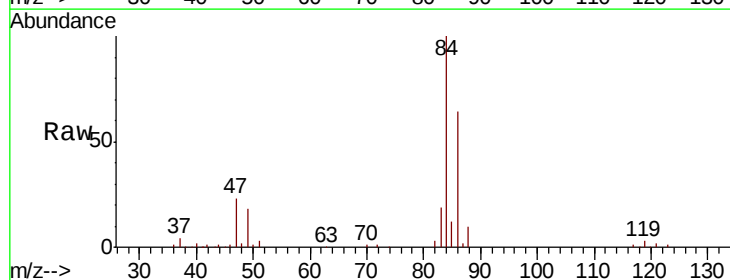
Acq: 11 Oct 2019 22:44

Tgt Ion: 83 Resp: 26377

Ion Ratio Lower Upper

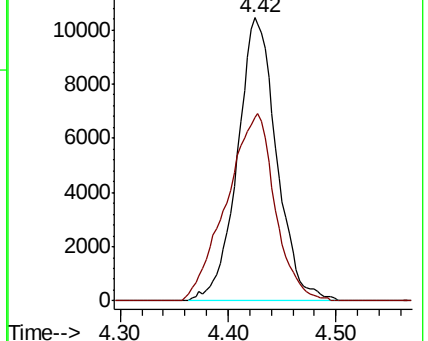
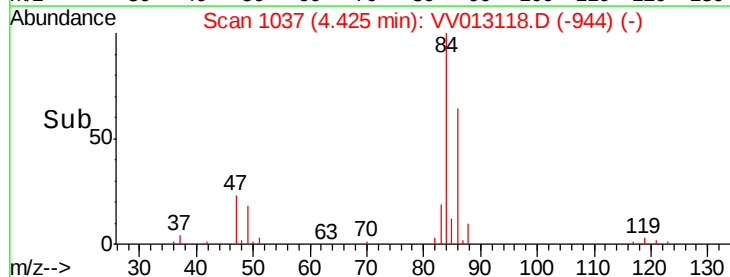
83 100

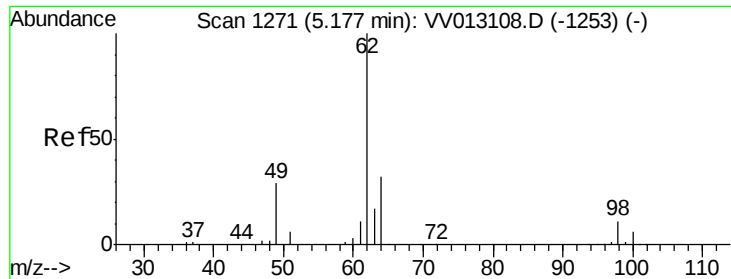
85 64.7 44.7 82.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

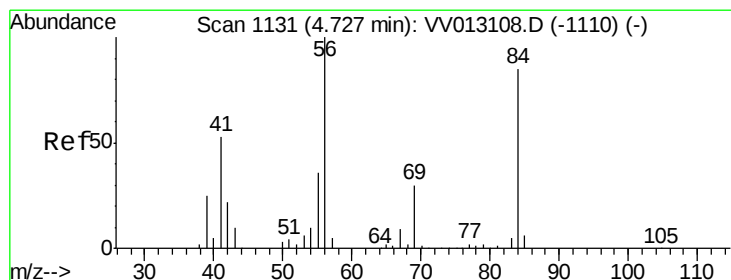
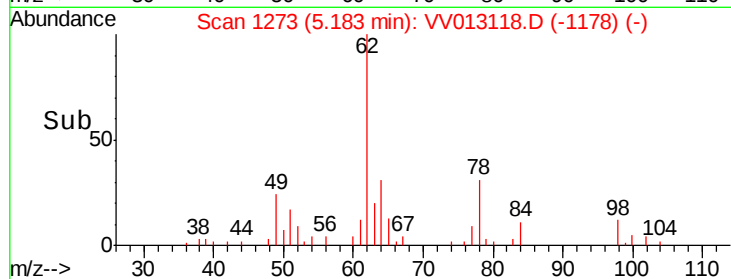
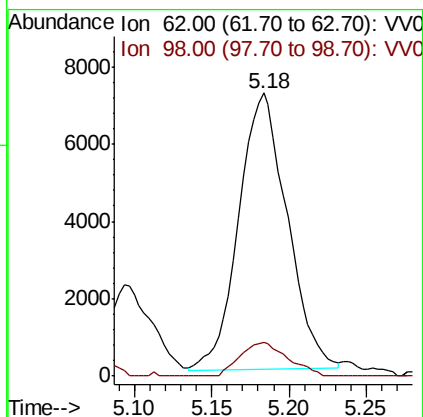
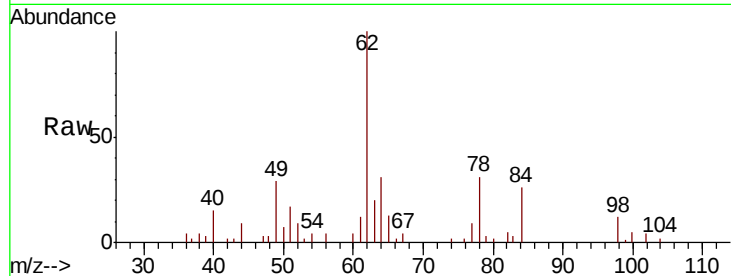




#27
 1,2-Dichloroethane
 Concen: 2.255 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

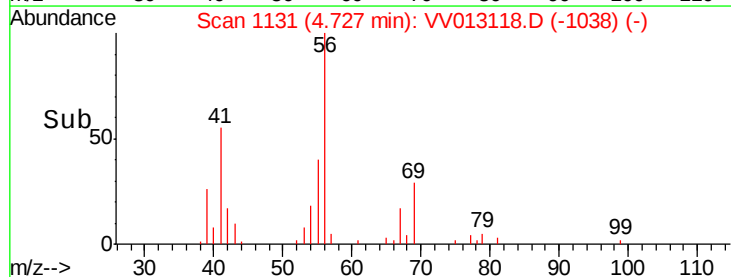
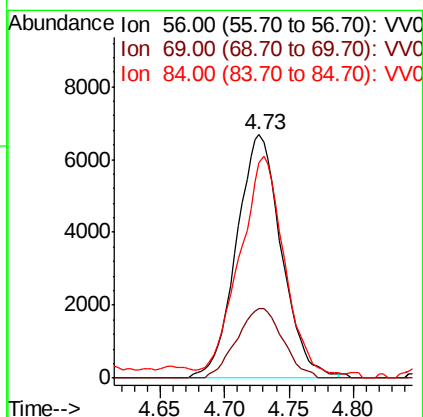
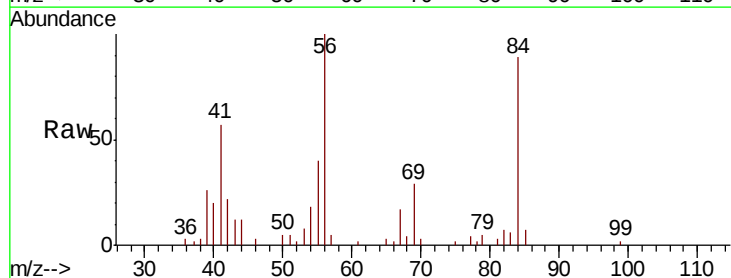
Instrument :
 MSVOA_V
 ClientSampleId :

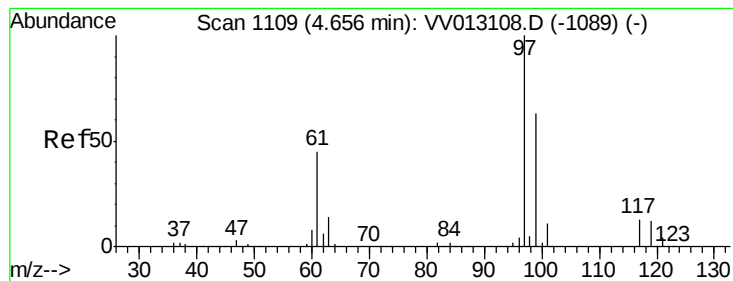
Tot Ion: 62 Resp: 15579
 Ion Ratio Lower Upper
 62 100
 98 11.8 8.3 12.5



#29
 Cyclohexane
 Concen: 2.061 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion: 56 Resp: 16235
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.2 36.4
 84 86.5 69.9 104.9





#30

1,1,1-Trichloroethane

Concen: 2.297 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampleId :

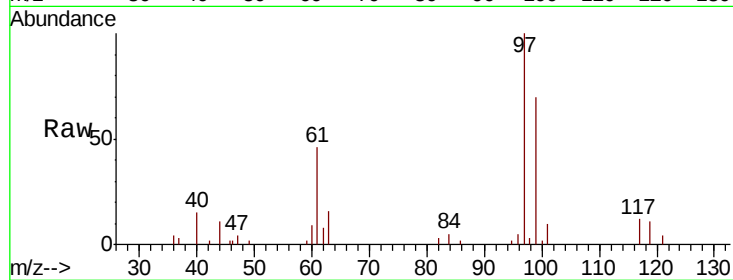
Tot Ion: 97 Resp: 16764

Ion Ratio Lower Upper

97 100

99 63.4 51.9 77.9

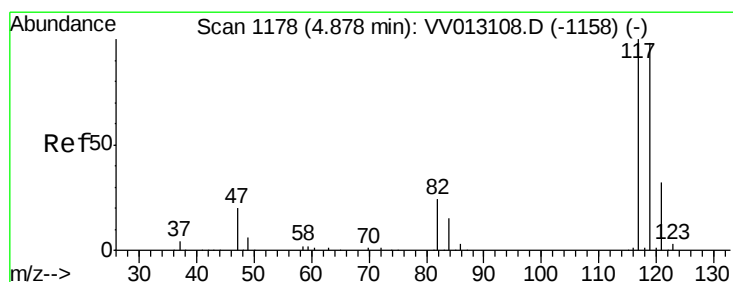
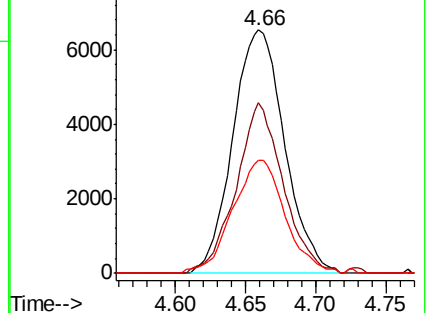
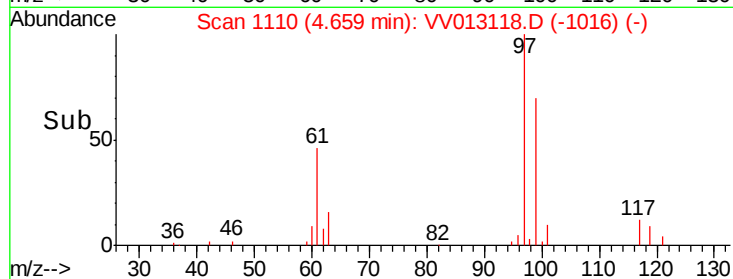
61 46.6 36.8 55.2



Abundance Ion 97.00 (96.70 to 97.70): VV013118.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VV013118.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VV013118.D (-1089) (-)



#31

Carbon tetrachloride

Concen: 2.292 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV013118.D

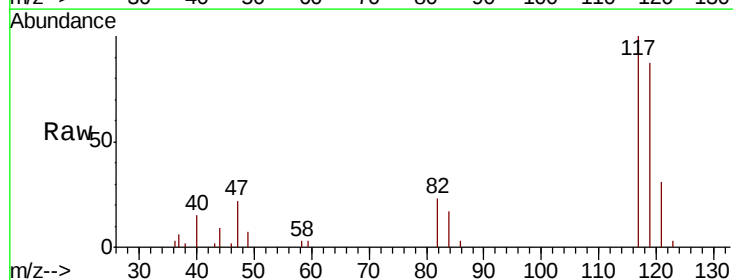
Acq: 11 Oct 2019 22:44

Tgt Ion: 117 Resp: 14864

Ion Ratio Lower Upper

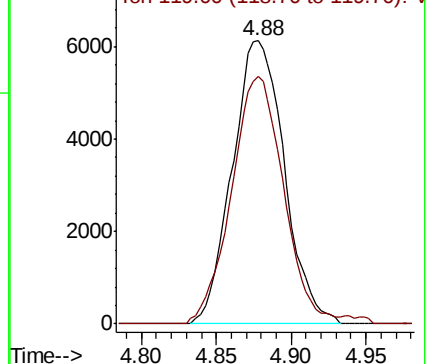
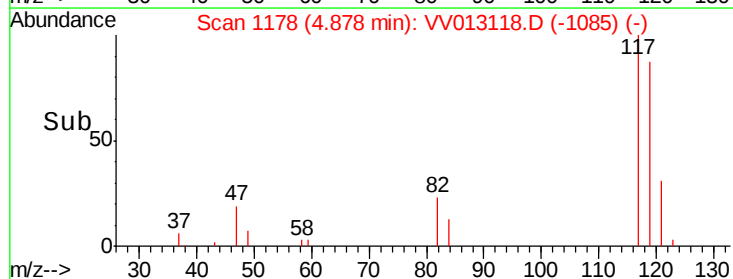
117 100

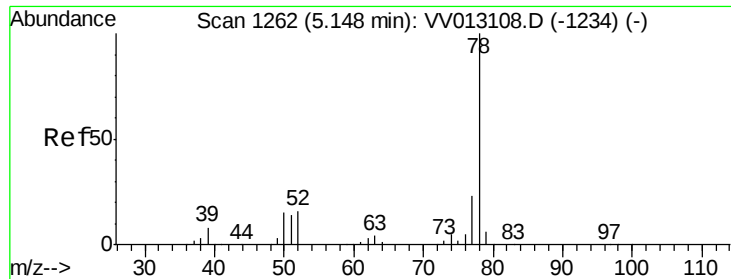
119 86.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): VV013118.D (-1085) (-)

Ion 119.00 (118.70 to 119.70): VV013118.D (-1085) (-)

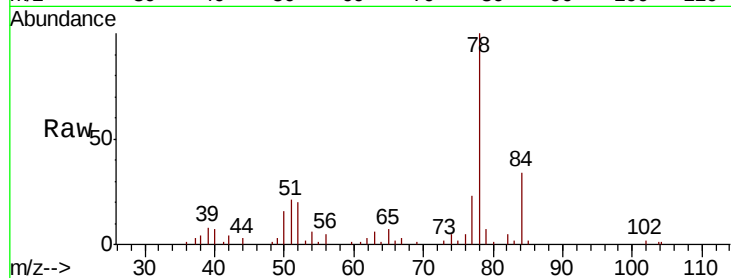




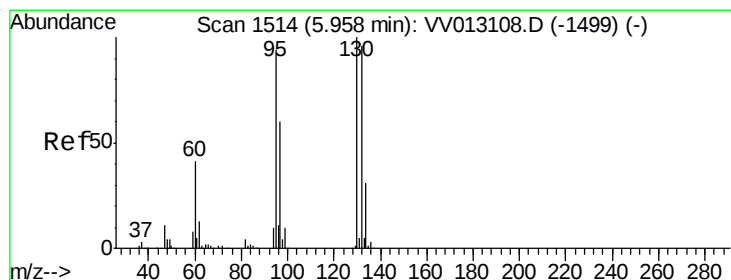
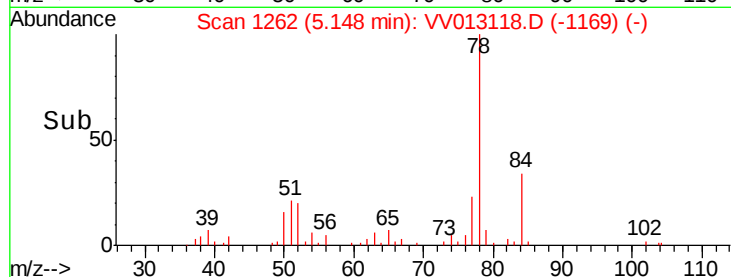
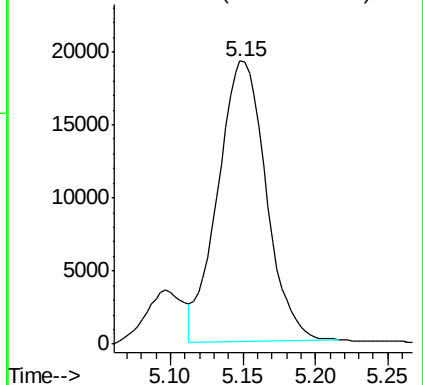
#33
Benzene
Concen: 2.207 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 44205



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 2.402 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 95 Resp: 12812

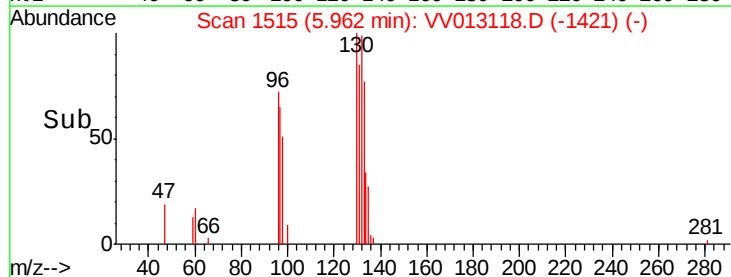
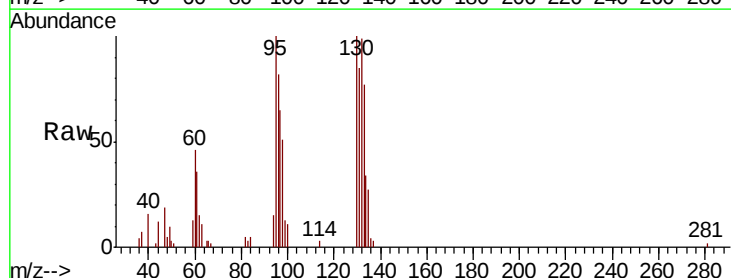
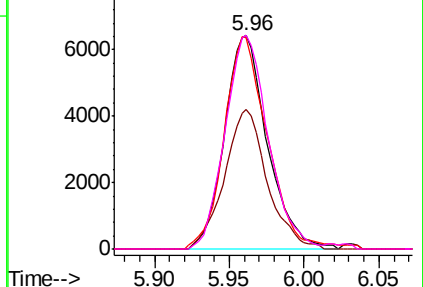
Ion	Ratio	Lower	Upper
95	100		
97	65.4	44.7	82.9
132	98.9	71.4	132.6
130	100.0	74.2	137.8

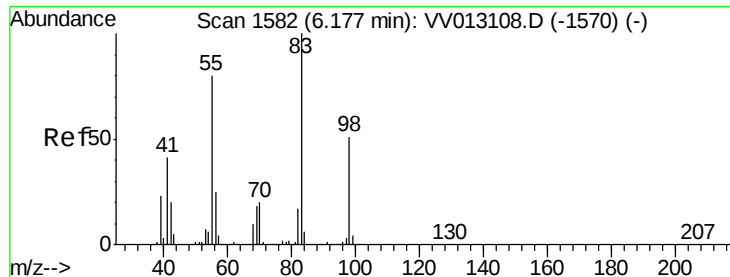
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

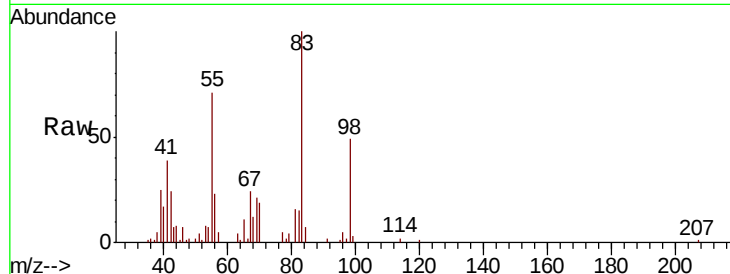




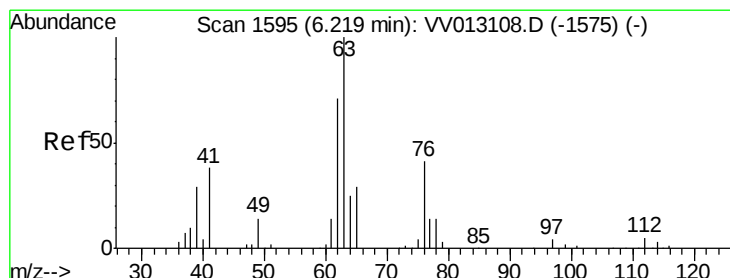
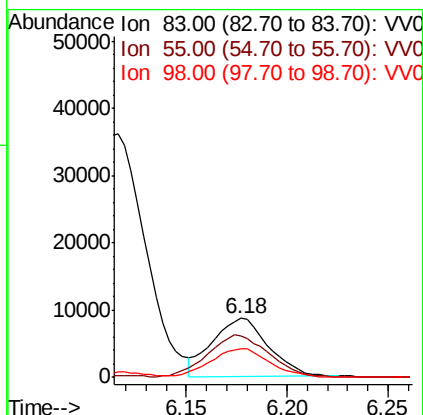
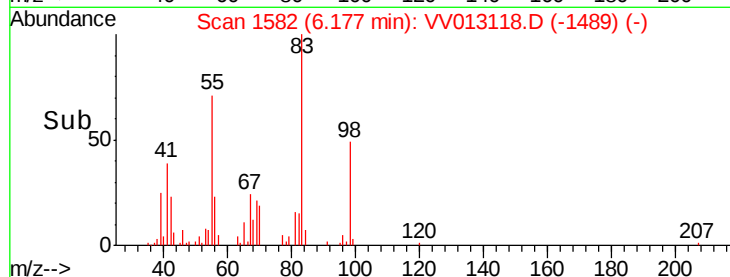
#35
Methvlcvclohexane
Concen: 2.088 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 16846
Ion Ratio Lower Upper
83 100
55 79.1 61.2 91.8
98 51.6 40.1 60.1

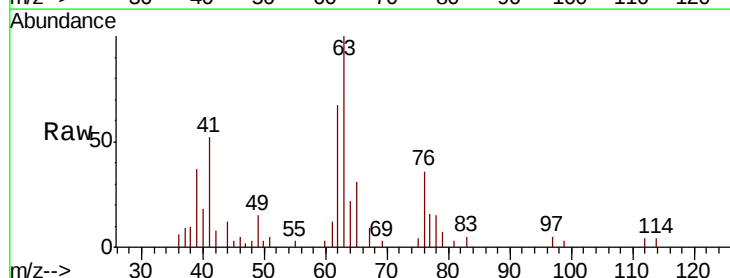


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

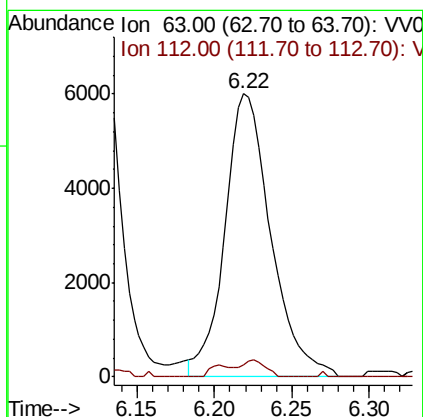
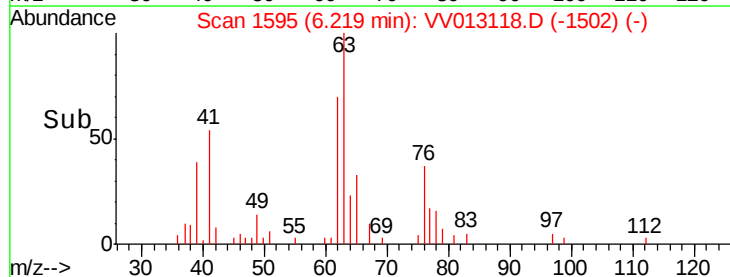


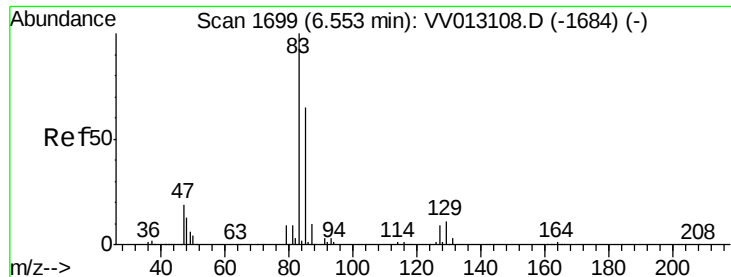
#37
1,2-Dichloropropane
Concen: 2.388 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 63 Resp: 12387
Ion Ratio Lower Upper
63 100
112 3.2 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: 2.205 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :

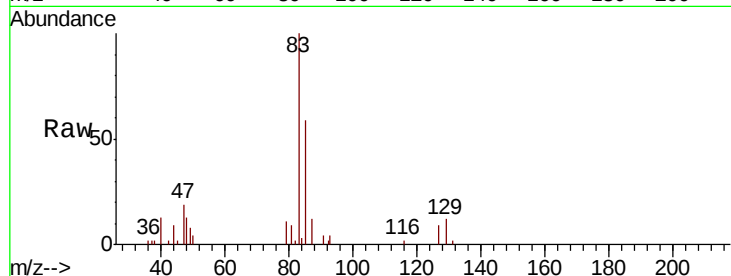
Tot Ion: 83 Resp: 14552

Ion Ratio Lower Upper

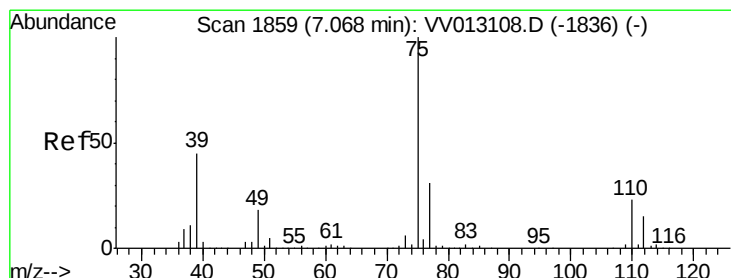
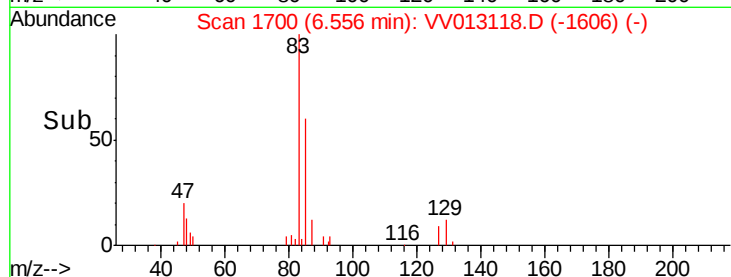
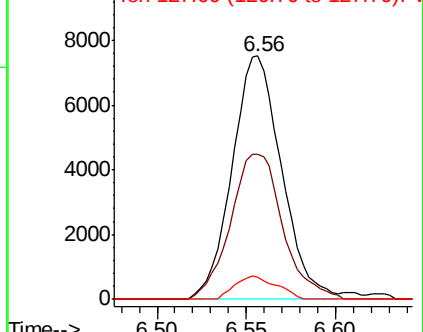
83 100

85 59.3 45.8 85.0

127 9.2 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 127.00 (126.70 to 127.70): V



#39

cis-1,3-Dichloropropene

Concen: 2.161 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013118.D

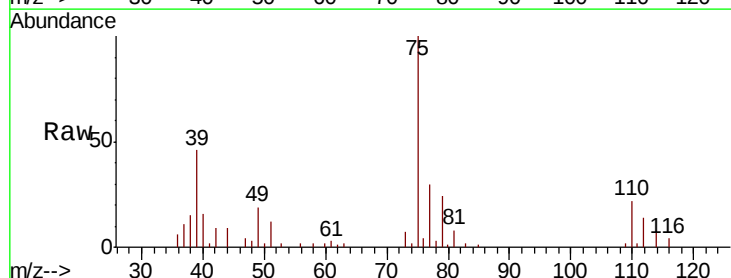
Acq: 11 Oct 2019 22:44

Tgt Ion: 75 Resp: 16577

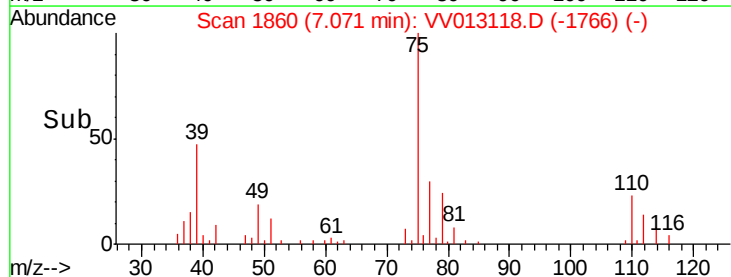
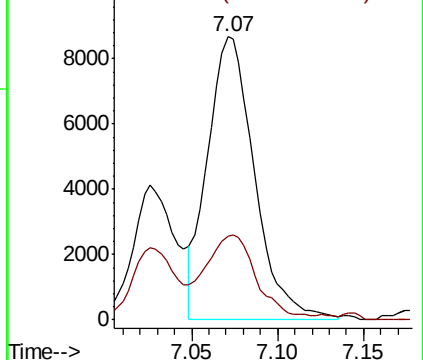
Ion Ratio Lower Upper

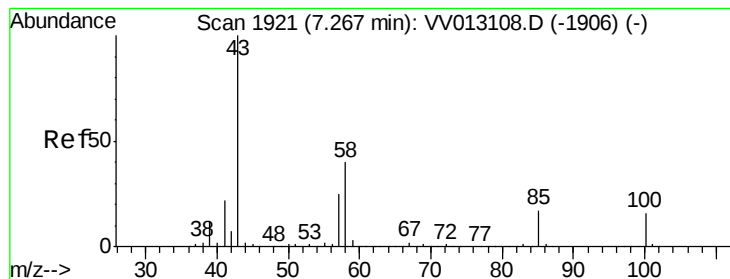
75 100

77 29.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0





#40

4-Methyl-2-pentanone

Concen: 3.793 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :

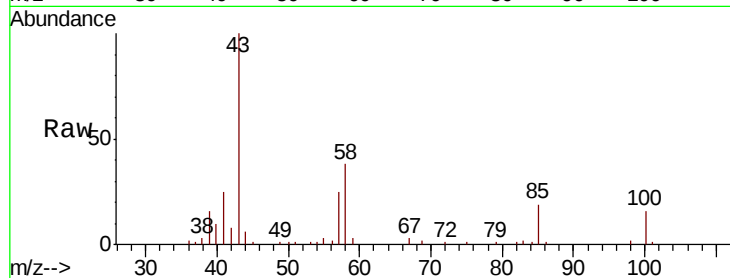
Tot Ion: 43 Resp: 25755

Ion Ratio Lower Upper

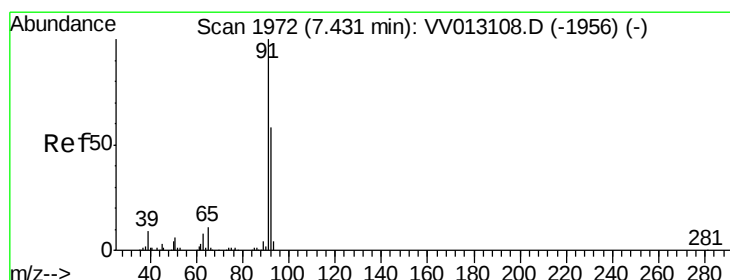
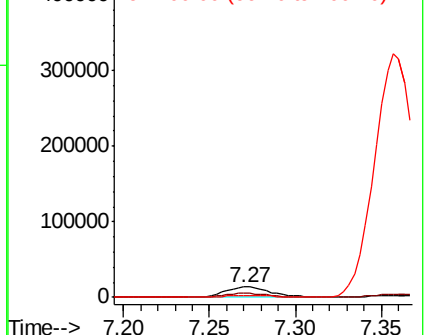
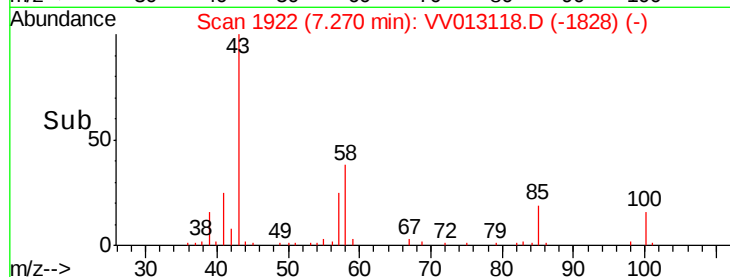
43 100

58 38.7 32.0 48.0

100 17.4 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: 2.271 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV013118.D

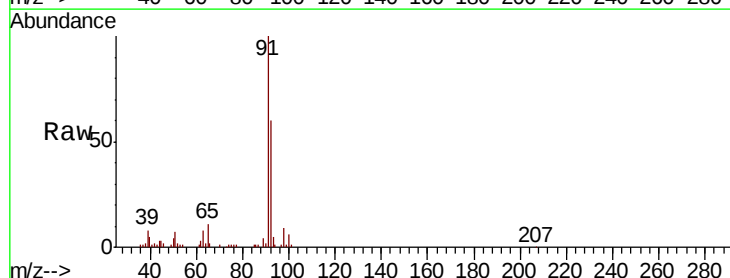
Acq: 11 Oct 2019 22:44

Tgt Ion: 91 Resp: 46825

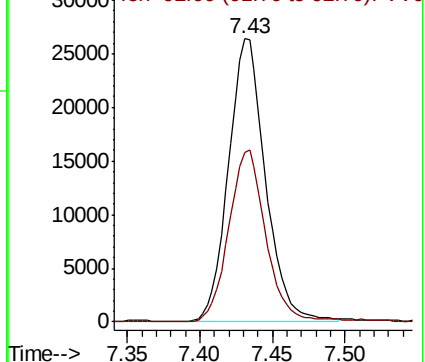
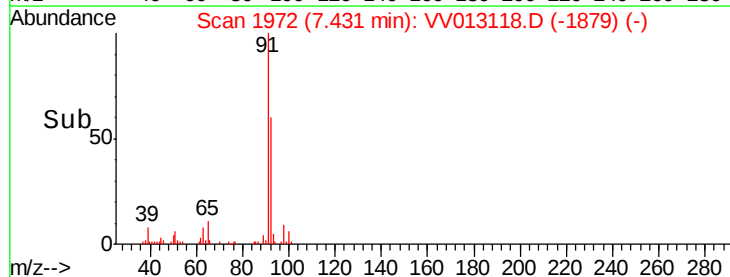
Ion Ratio Lower Upper

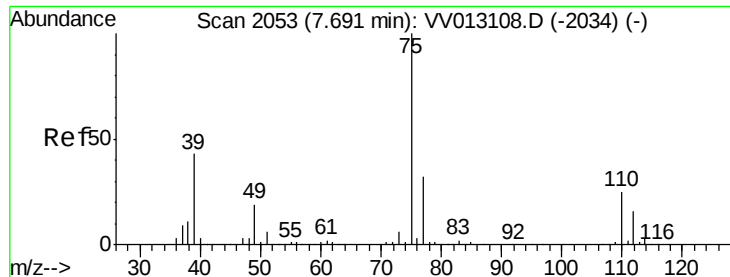
91 100

92 60.0 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: 2.245 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

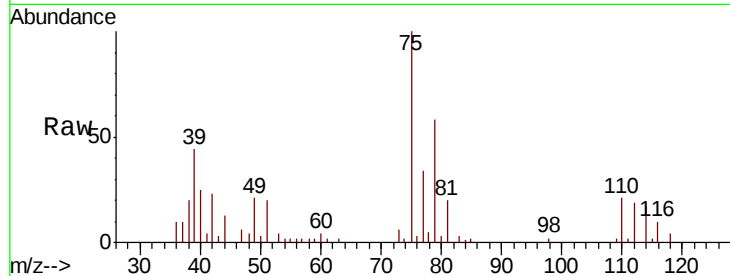
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 14927

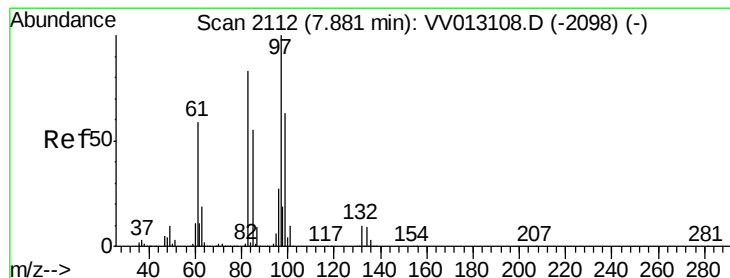
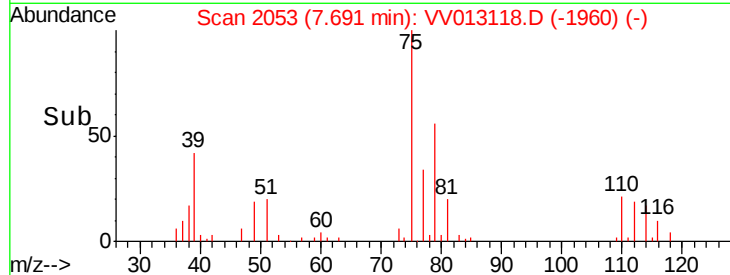
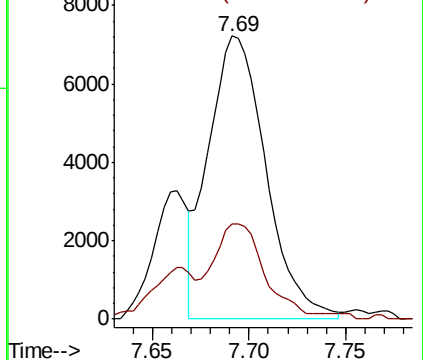
Ion Ratio Lower Upper

75 100

77 33.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV013118.D (-1960) (-)



#45

1,1,2-Trichloroethane

Concen: 2.167 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion: 97 Resp: 10673

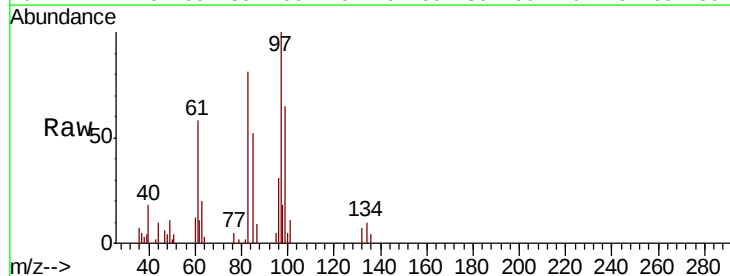
Ion Ratio Lower Upper

97 100

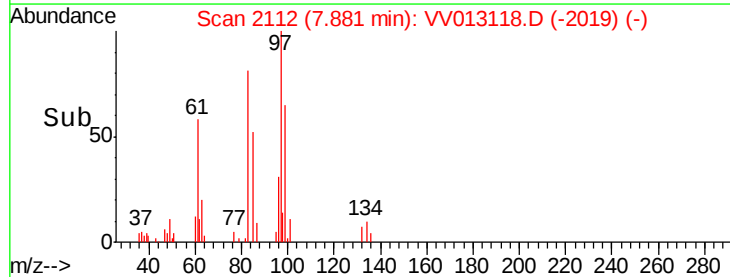
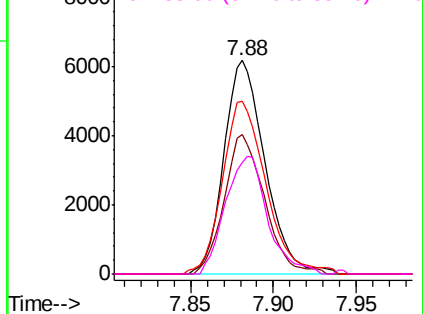
99 65.3 44.4 82.5

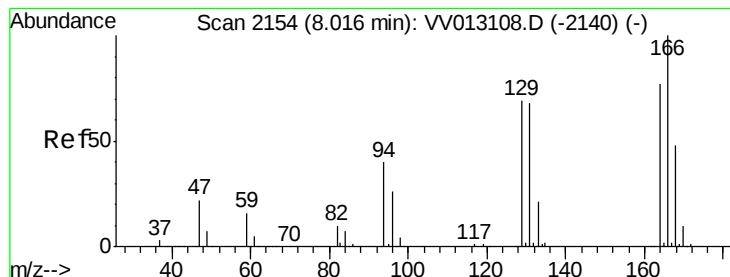
83 80.9 58.2 108.0

85 52.3 38.7 71.9



Abundance Ion 97.00 (96.70 to 97.70): VV013118.D (-2019) (-)





#46

Tetrachloroethene

Concen: 2.146 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 9062

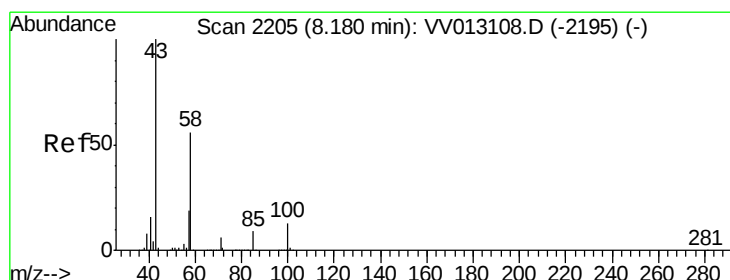
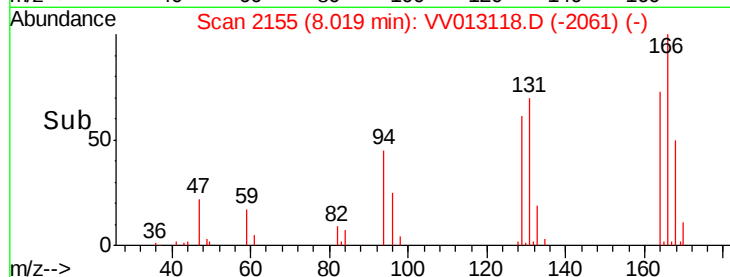
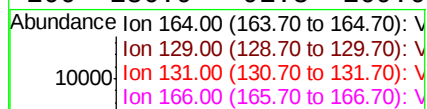
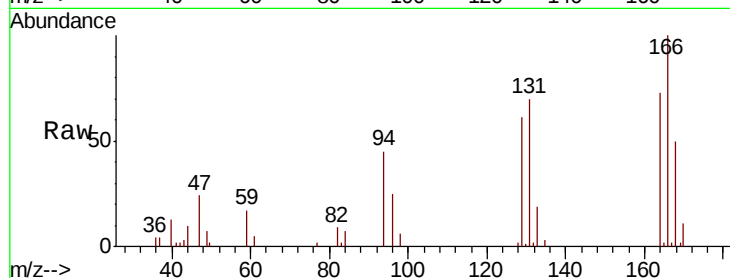
Ion Ratio Lower Upper

164 100

129 85.6 63.1 117.1

131 96.5 62.4 116.0

166 136.9 91.3 169.6



#48

2-Hexanone

Concen: 6.140 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Tgt Ion: 43 Resp: 32238

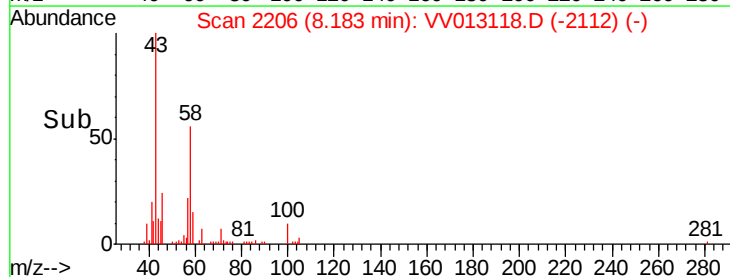
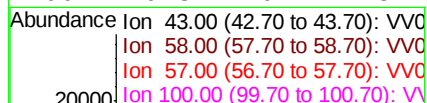
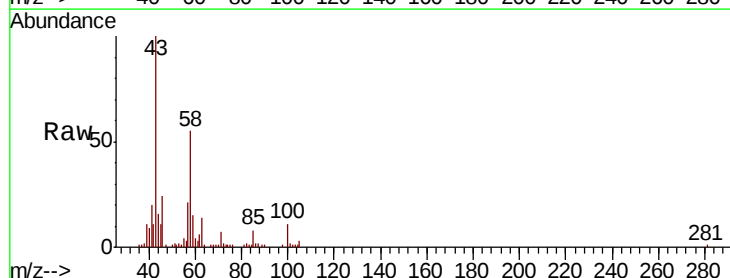
Ion Ratio Lower Upper

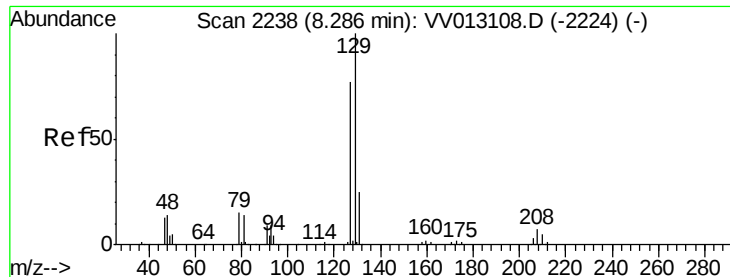
43 100

58 48.1 44.9 67.3

57 19.2 15.0 22.6

100 10.3 10.2 15.2





#49

Dibromochloromethane

Concen: 2.118 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

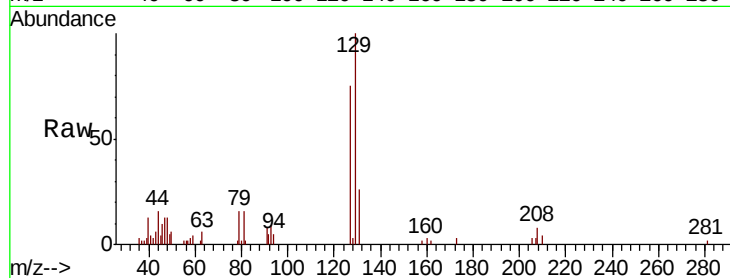
ClientSampleId :

Tot Ion:129 Resp: 11367

Ion Ratio Lower Upper

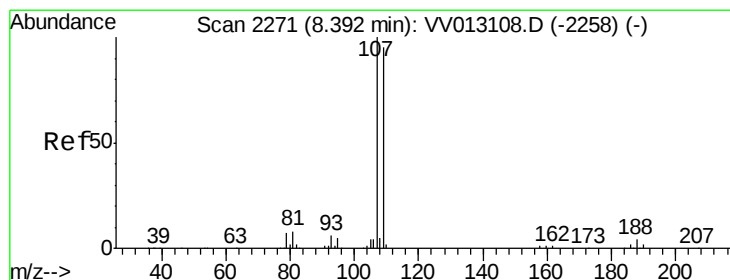
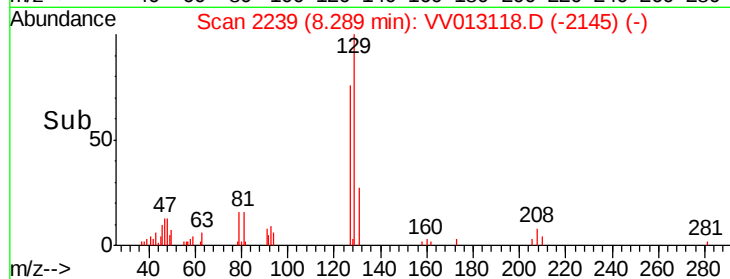
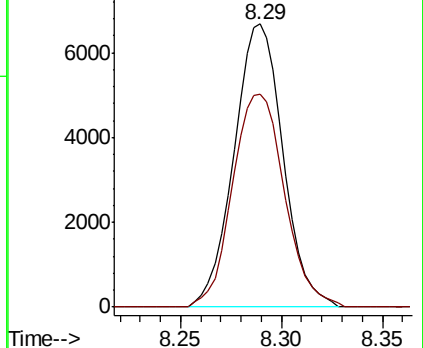
129 100

127 75.1 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.251 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

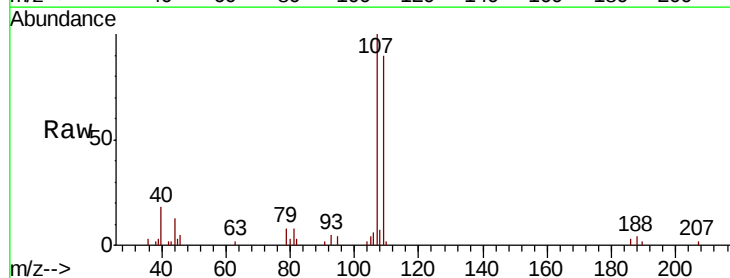
Tgt Ion:107 Resp: 11584

Ion Ratio Lower Upper

107 100

109 90.3 66.6 123.6

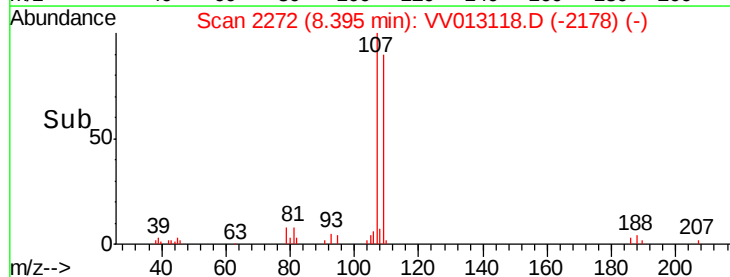
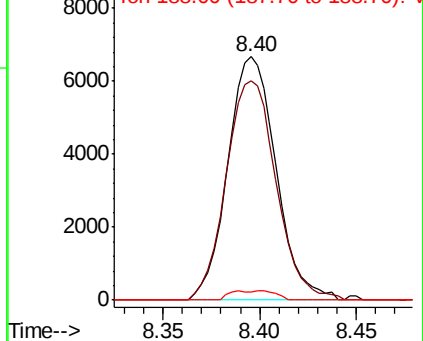
188 3.5 3.4 5.2

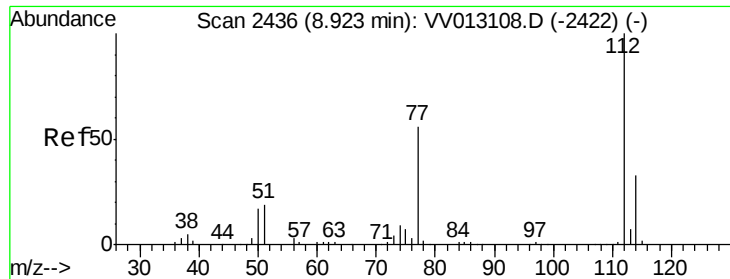


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

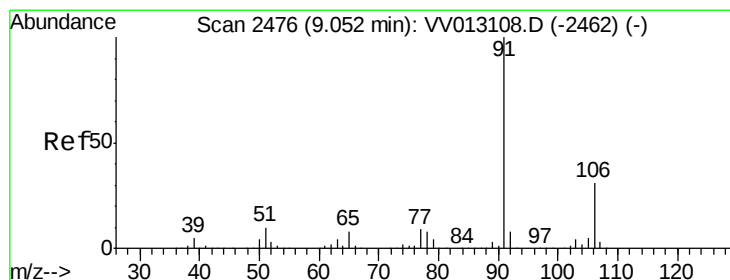
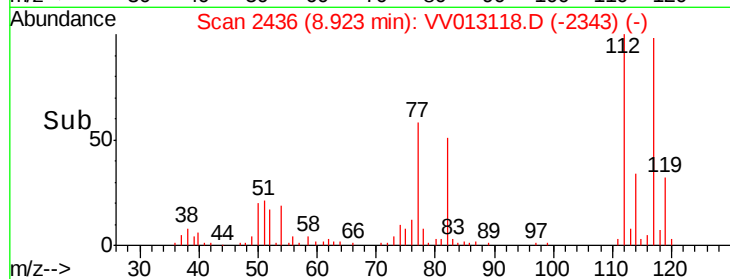
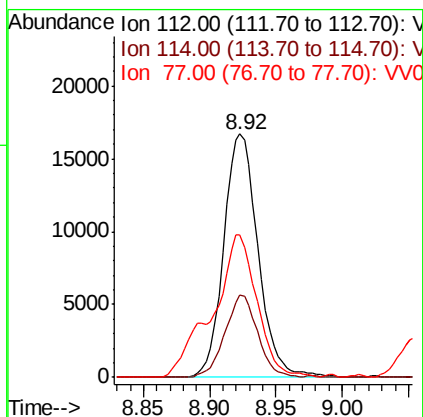
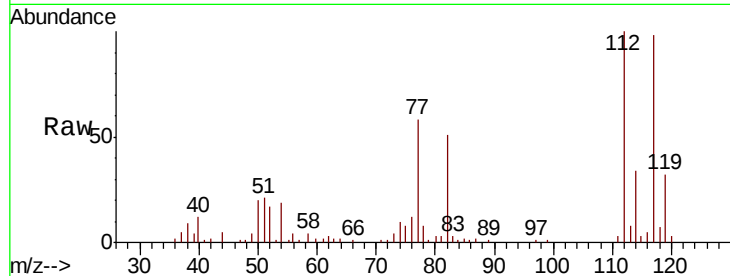




#51
Chlorobenzene
Concen: 2.222 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

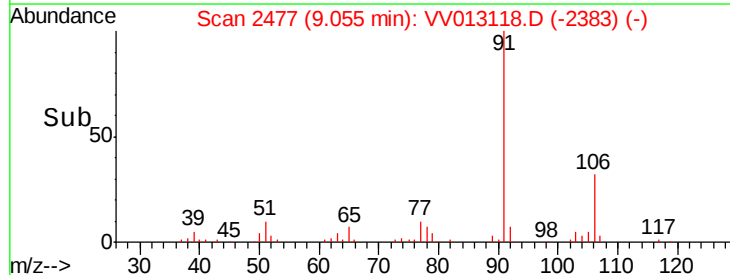
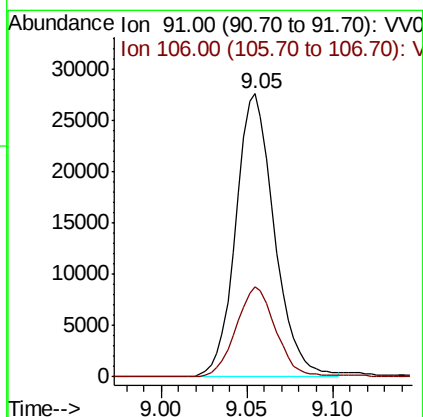
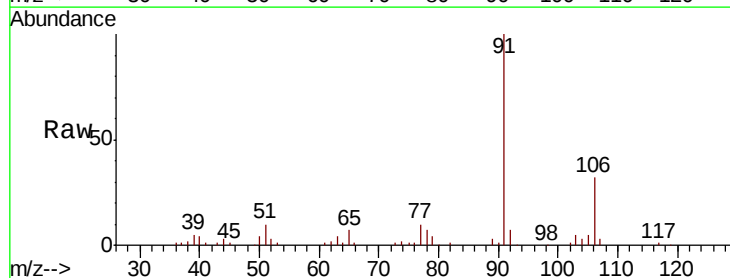
Instrument :
MSVOA_V
ClientSampleId :

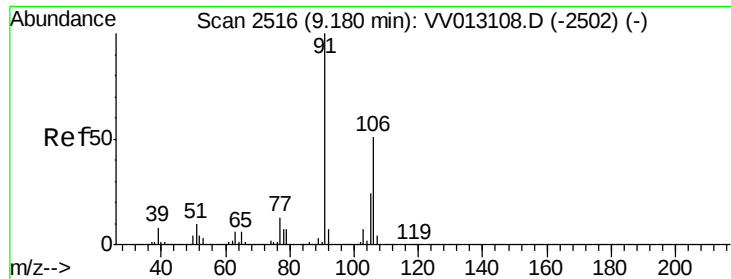
Tot Ion:112 Resp: 30043
Ion Ratio Lower Upper
112 100
114 33.8 22.8 42.4
77 58.3 45.1 67.7



#52
Ethylbenzene
Concen: 1.969 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion: 91 Resp: 43372
Ion Ratio Lower Upper
91 100
106 32.0 21.8 40.4





#53

m,p-Xylene

Concen: 1.923 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

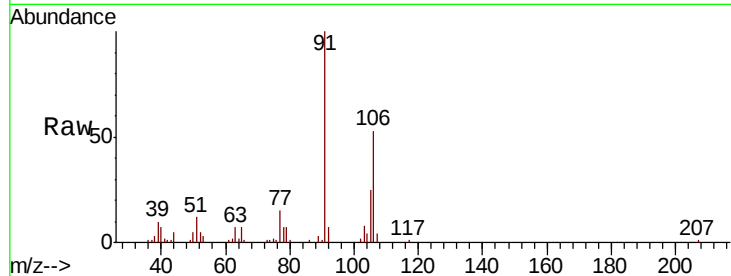
ClientSampleId :

Tot Ion:106 Resp: 15938

Ion Ratio Lower Upper

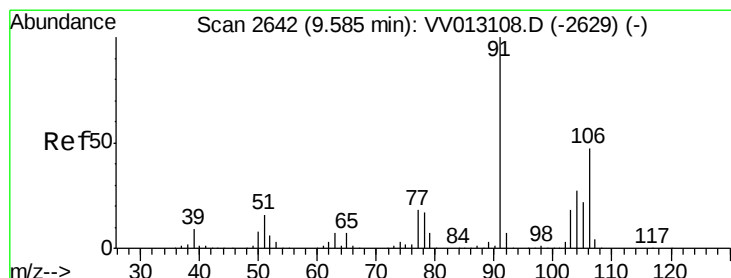
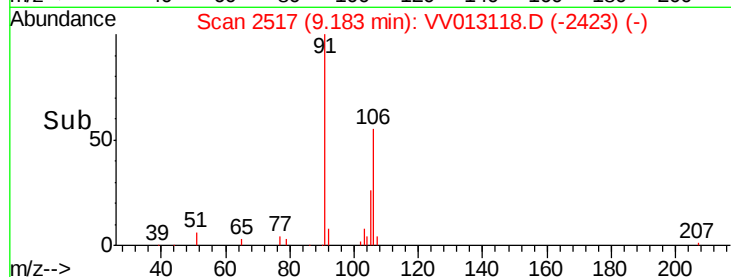
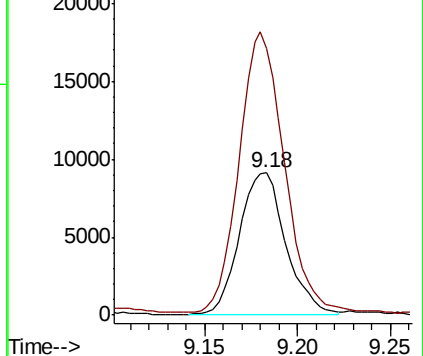
106 100

91 187.7 137.8 255.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 1.840 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013118.D

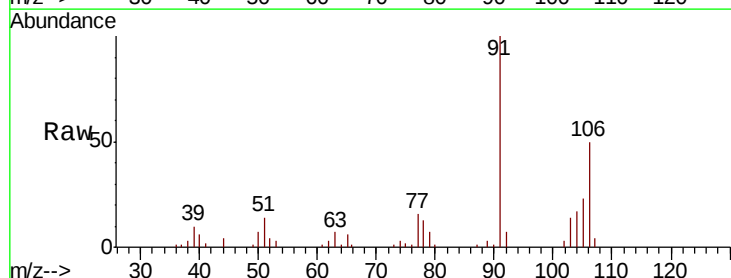
Acq: 11 Oct 2019 22:44

Tgt Ion:106 Resp: 15272

Ion Ratio Lower Upper

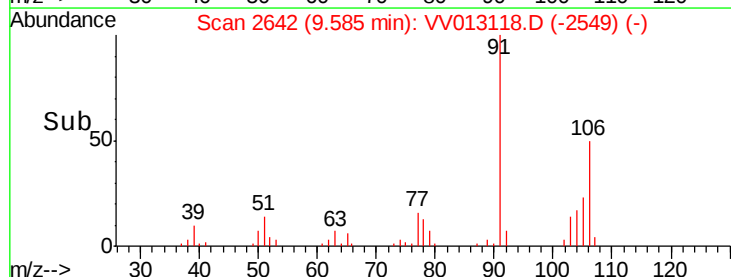
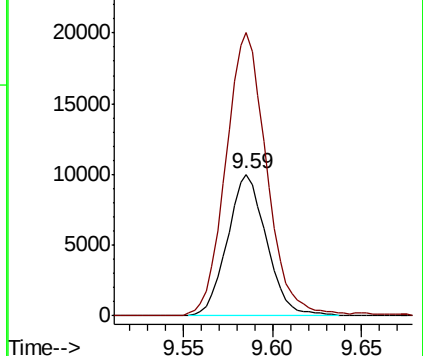
106 100

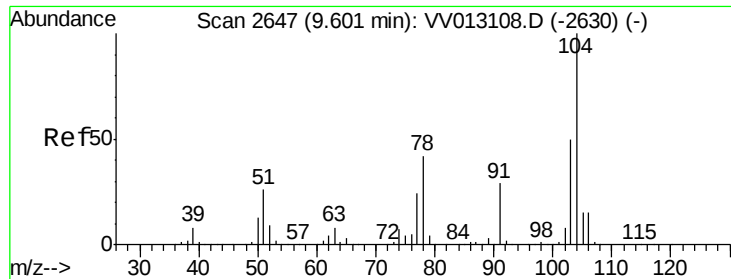
91 199.6 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

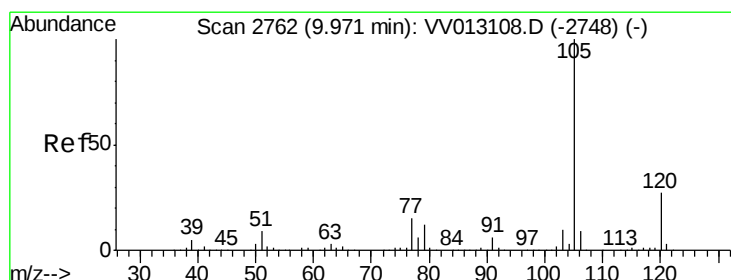
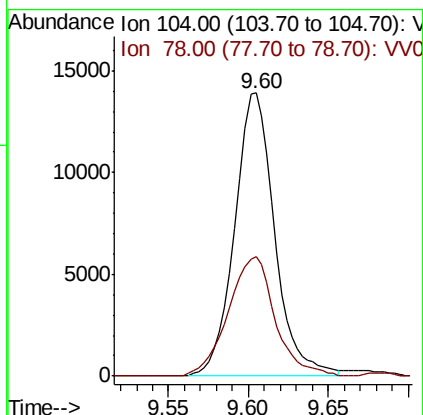
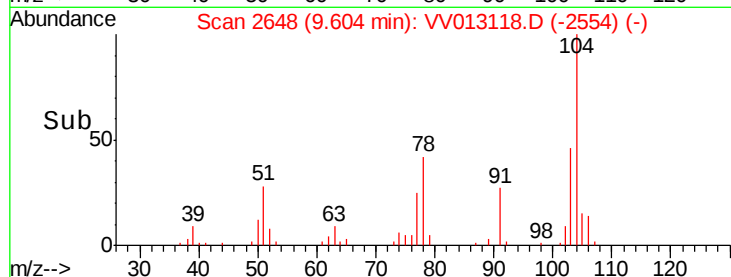
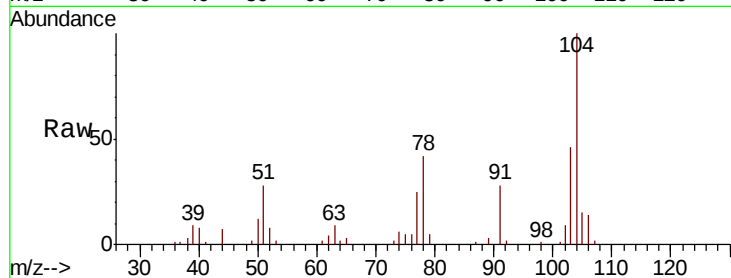




#55
Stvrene
Concen: 1.738 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

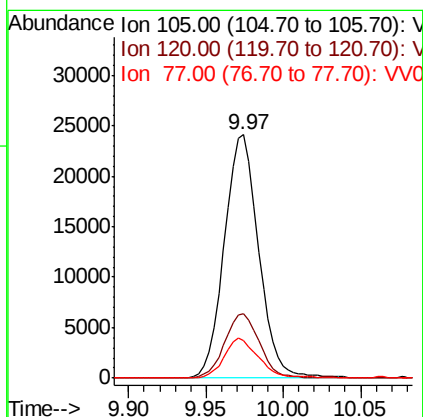
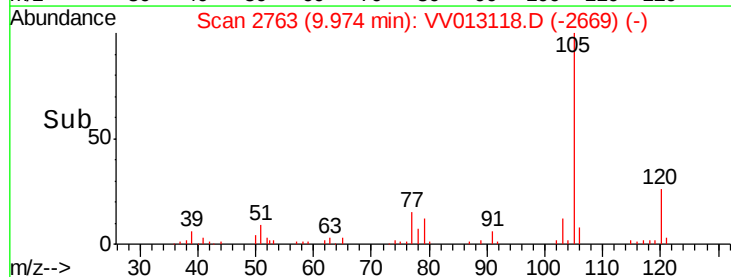
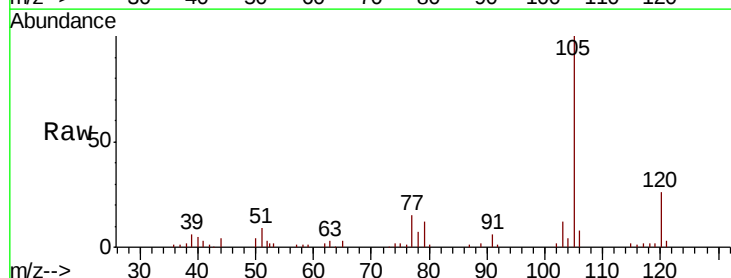
Instrument :
MSVOA_V
ClientSampleId :

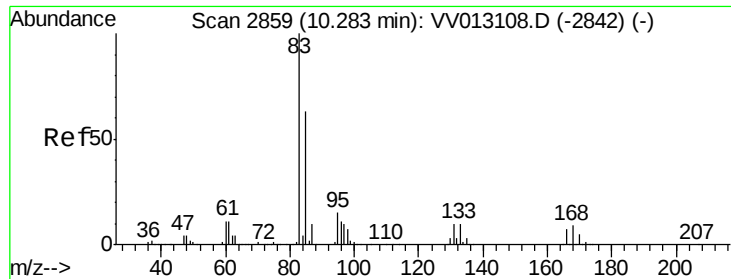
Tot Ion:104 Resp: 23702
Ion Ratio Lower Upper
104 100
78 42.5 29.1 54.1



#56
Isopropylbenzene
Concen: 1.741 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV013118.D
Acq: 11 Oct 2019 22:44

Tgt Ion:105 Resp: 37116
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 16.0 12.1 18.1





#58

1,1,2,2-Tetrachloroethane

Concen: 2.451 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :

MSVOA_V

ClientSampled :

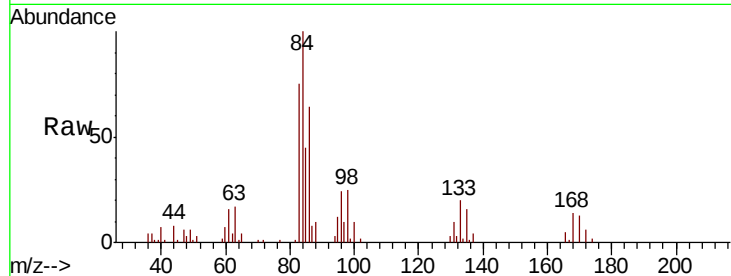
Tot Ion: 83 Resp: 17549

Ion Ratio Lower Upper

83 100

85 60.3 44.3 82.3

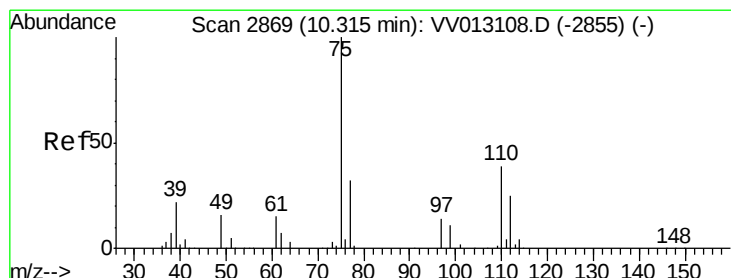
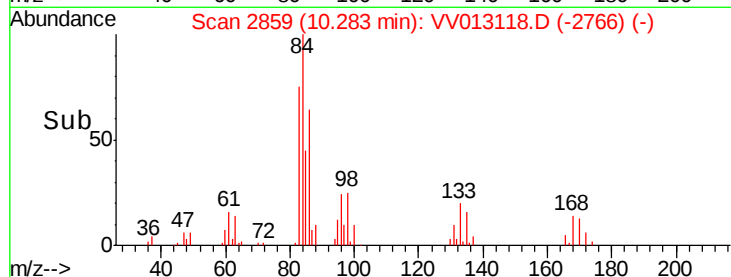
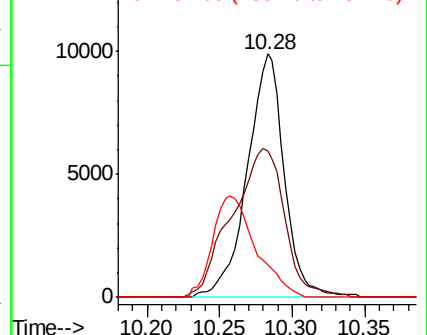
131 13.4 8.1 12.1#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): VV0



#59

1,2,3-Trichloropropane

Concen: 2.173 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013118.D

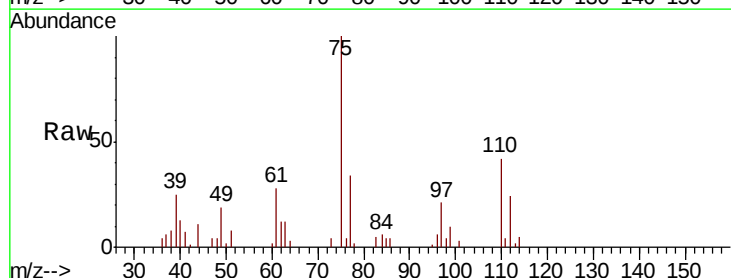
Acq: 11 Oct 2019 22:44

Tgt Ion: 75 Resp: 13723

Ion Ratio Lower Upper

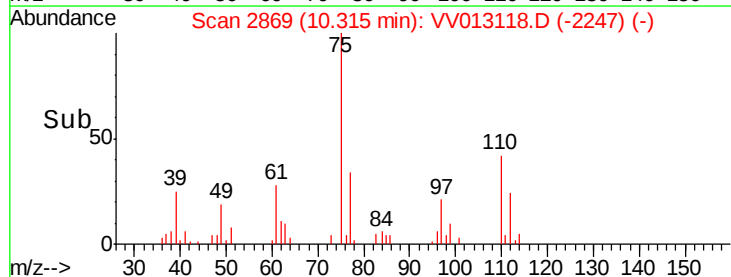
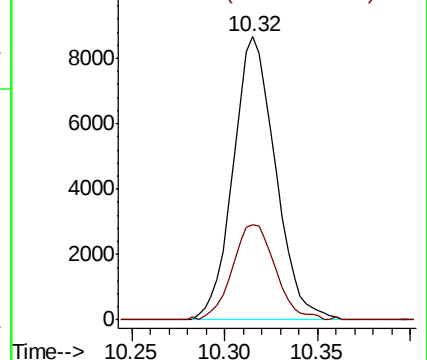
75 100

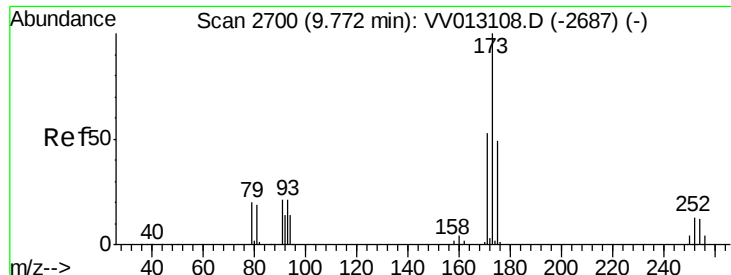
77 34.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#61

Bromoform

Concen: 2.351 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

Instrument :
MSVOA_V
ClientSampleId :

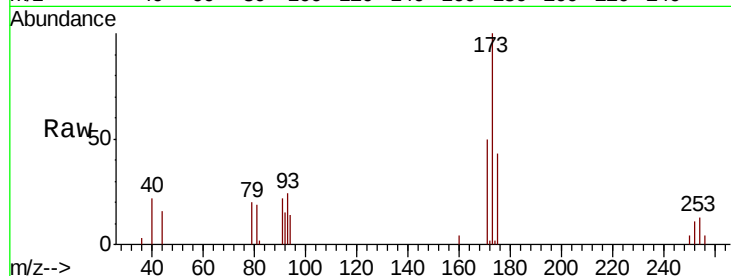
Tot Ion:173 Resp: 8232

Ion Ratio Lower Upper

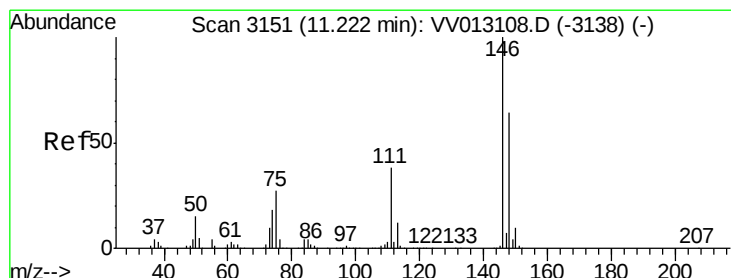
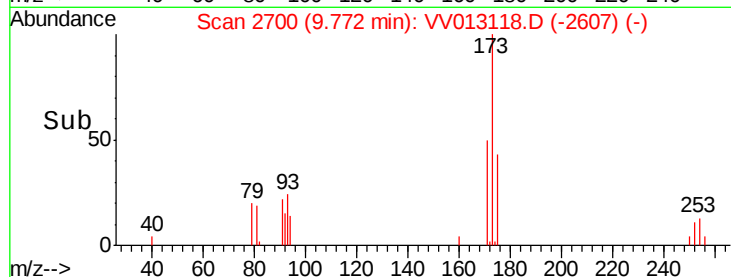
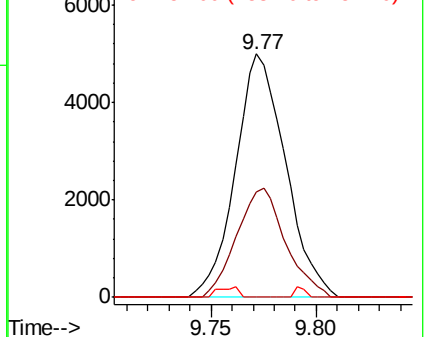
173 100

175 43.8 38.8 58.2

254 0.9 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: 2.201 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013118.D

Acq: 11 Oct 2019 22:44

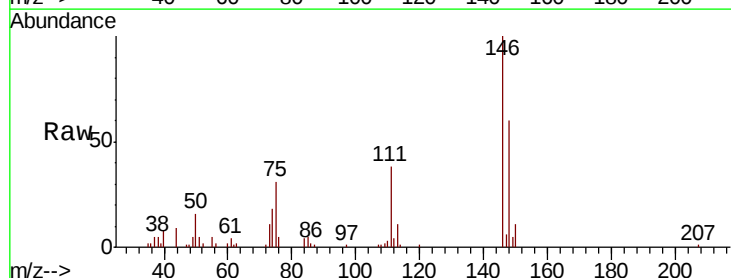
Tgt Ion:146 Resp: 19806

Ion Ratio Lower Upper

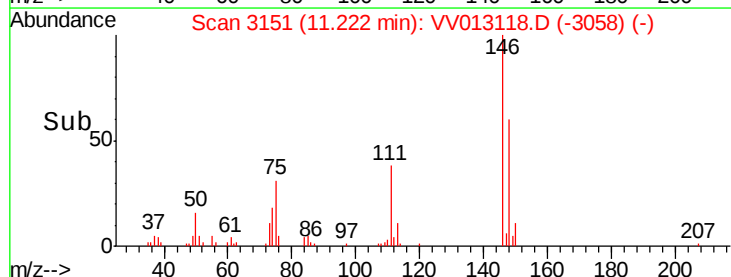
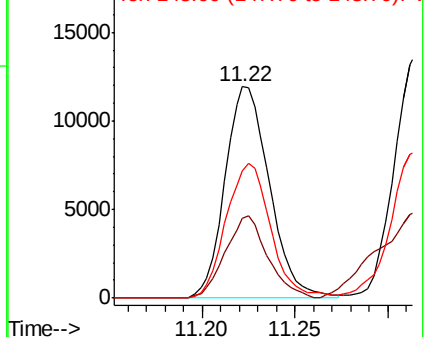
146 100

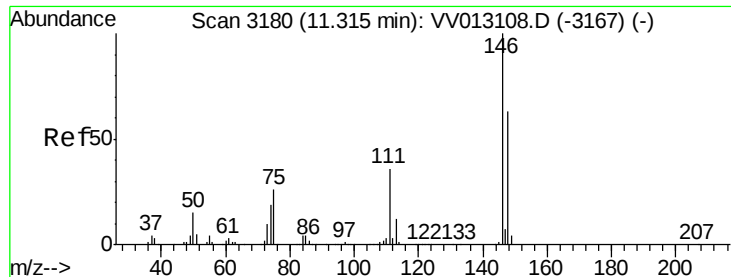
111 37.7 26.6 49.4

148 60.3 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

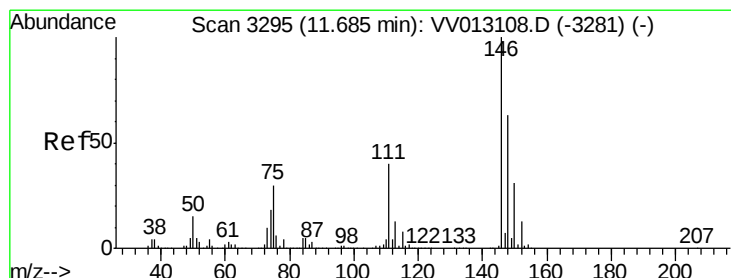
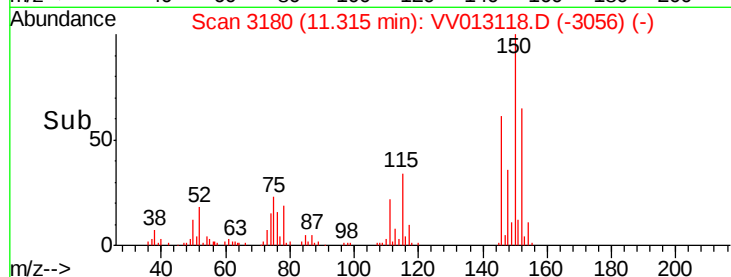
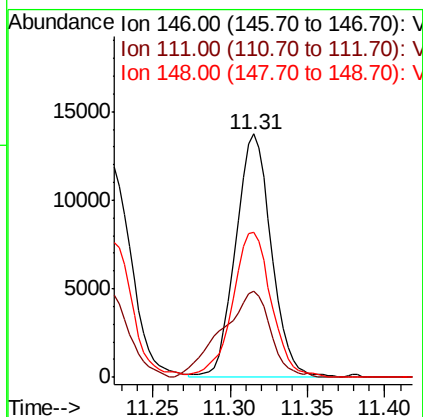
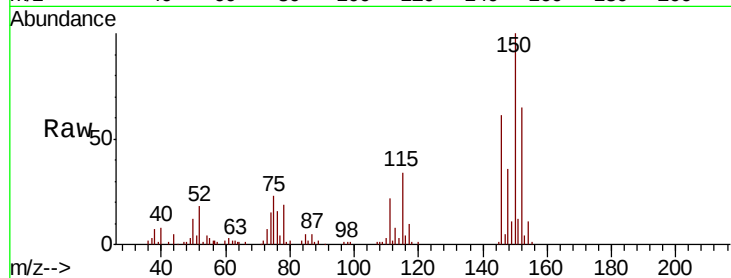




#63
 1,4-Dichlorobenzene
 Concen: 2.444 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

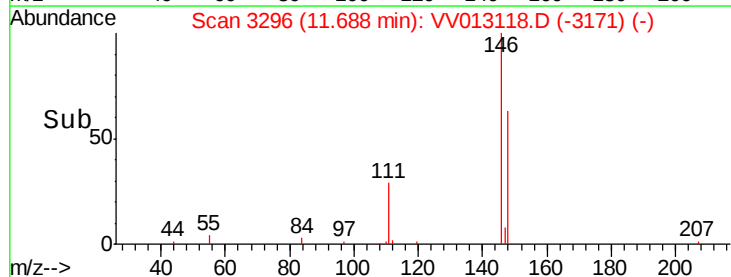
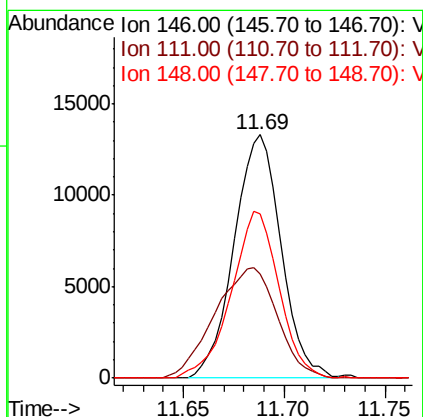
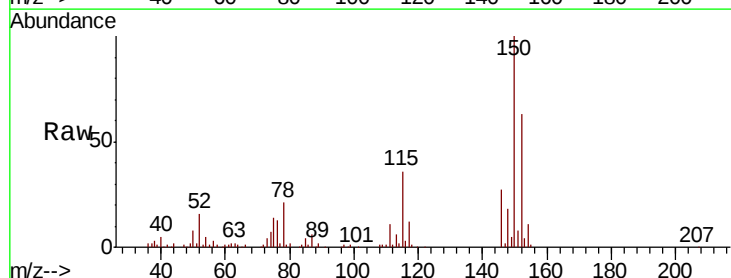
Instrument :
 MSVOA_V
 ClientSampleId :

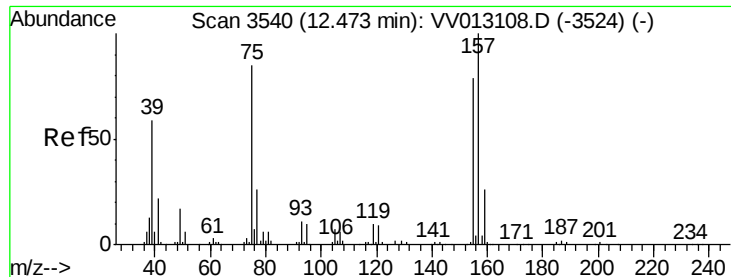
Tot Ion:146 Resp: 22082
 Ion Ratio Lower Upper
 146 100
 111 35.3 25.4 47.2
 148 59.7 44.2 82.2



#65
 1,2-Dichlorobenzene
 Concen: 2.382 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion:146 Resp: 21816
 Ion Ratio Lower Upper
 146 100
 111 42.9 32.2 48.2
 148 67.2 50.6 76.0

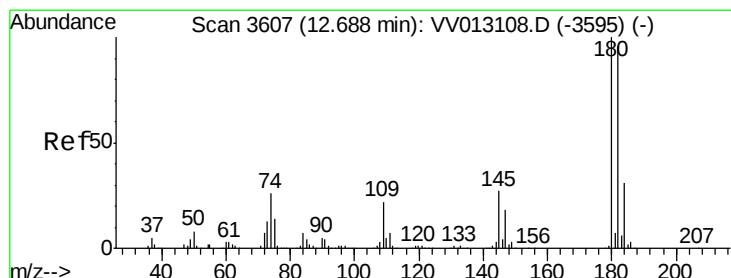
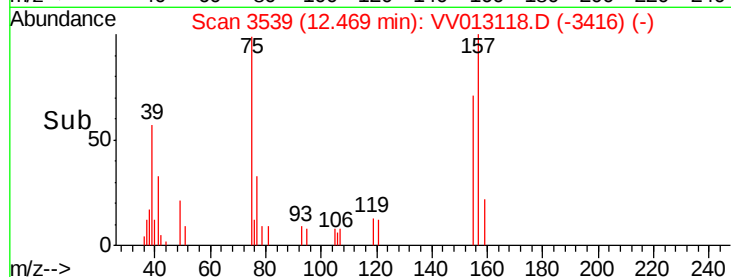
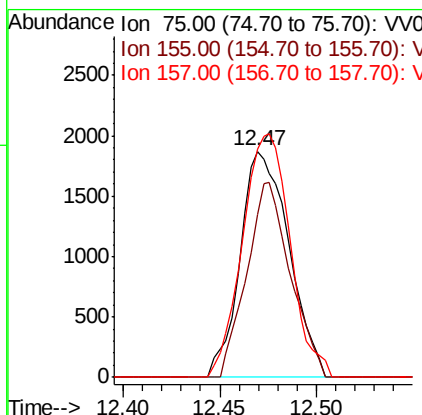
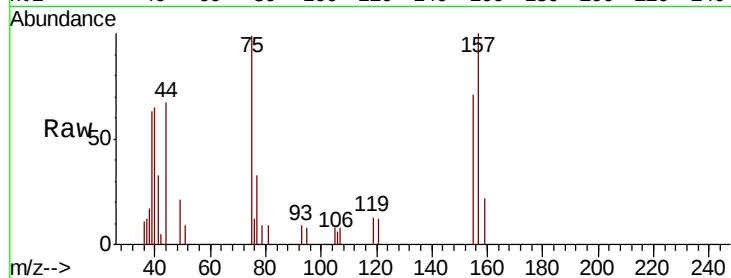




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.463 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

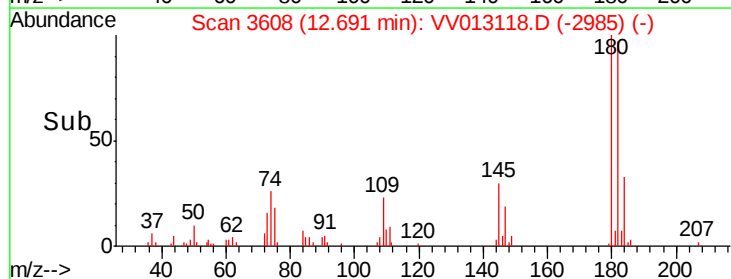
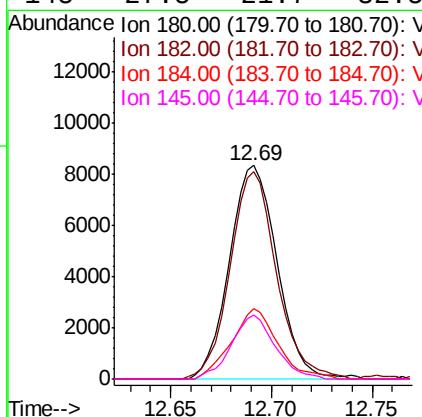
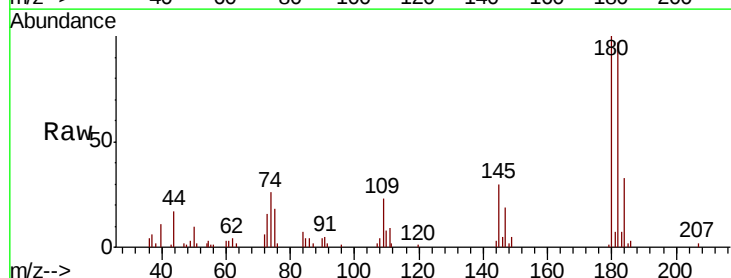
Instrument :
 MSVOA_V
 ClientSampled :

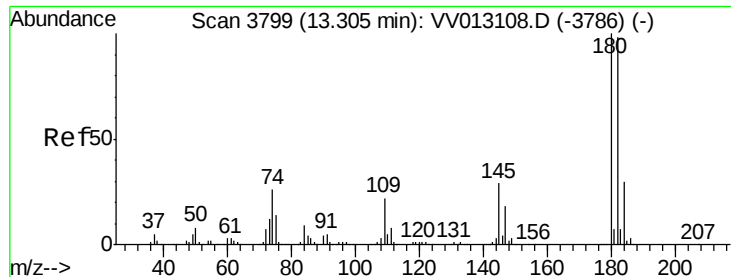
Tot Ion: 75 Resp: 3281
 Ion Ratio Lower Upper
 75 100
 155 72.1 74.6 111.8#
 157 101.2 94.2 141.4



#67
 1,3,5-Trichlorobenzene
 Concen: 2.148 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion: 180 Resp: 13782
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.7 115.1
 184 31.9 24.3 36.5
 145 27.5 21.7 32.5

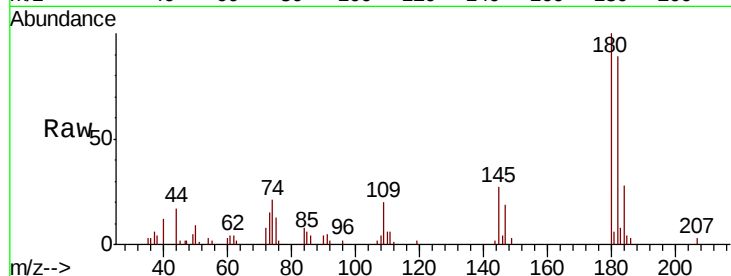




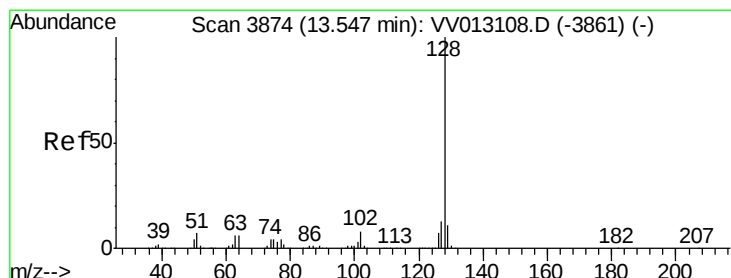
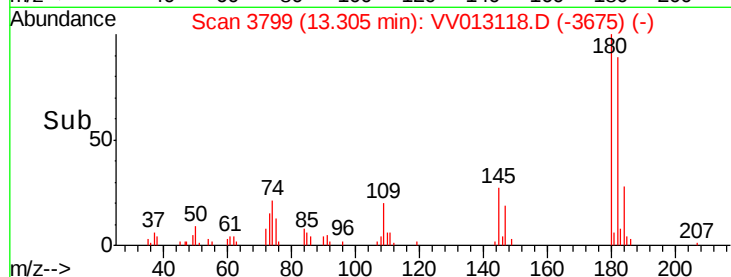
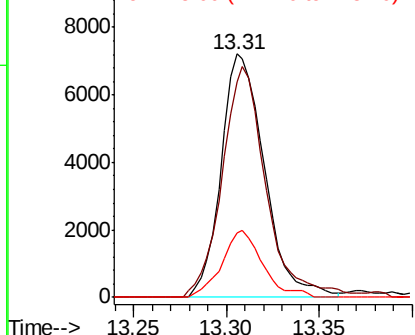
#68
 1,2,4-trichlorobenzene
 Concen: 2.127 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 11708
 Ion Ratio Lower Upper
 180 100
 182 93.7 77.4 116.0
 145 24.9 22.7 34.1

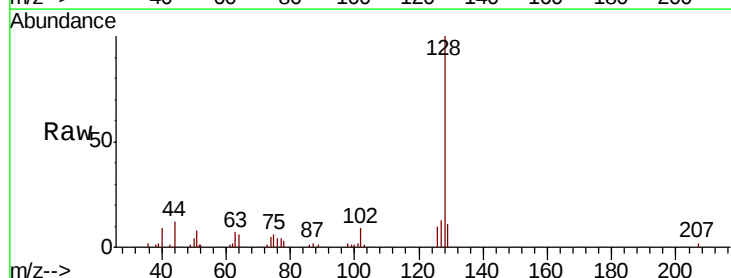


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

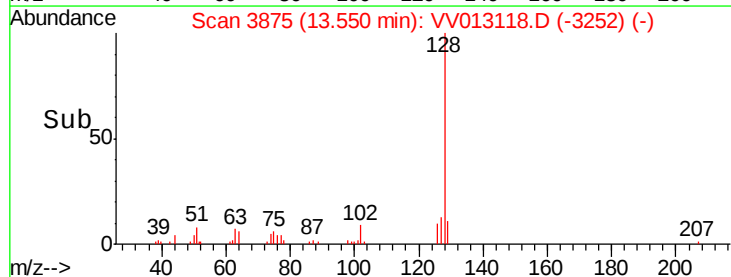
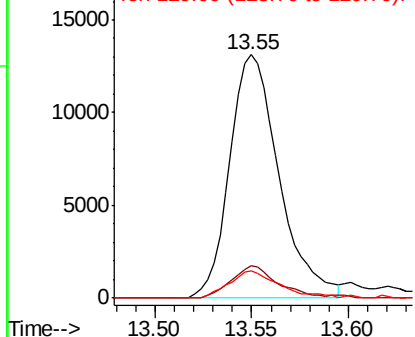


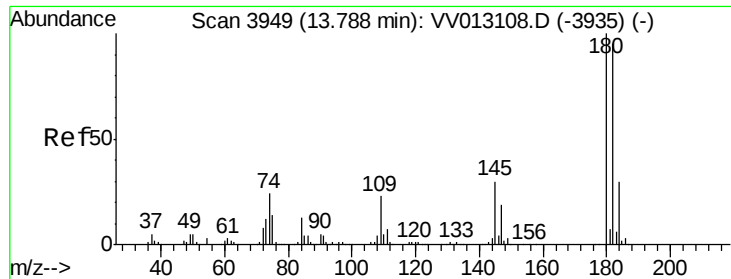
#69
 Naphthalene
 Concen: 1.536 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Tgt Ion:128 Resp: 23290
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.2 15.4
 129 11.0 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

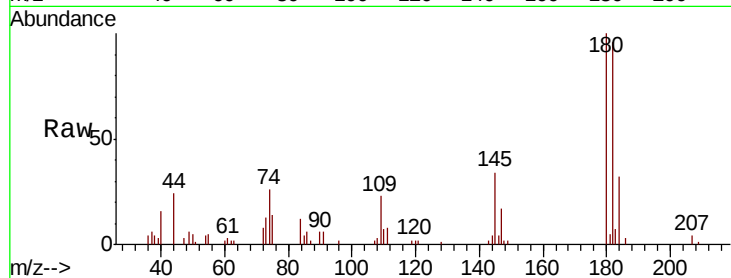




#70
 1,2,3-Trichlorobenzene
 Concen: 2.003 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VV013118.D
 Acq: 11 Oct 2019 22:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	93.0	76.9	115.3	
145	29.6	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

