

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015238.D
 Acq On : 28 Mar 2020 10:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 30 02:11:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	617179	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	611356	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	292383	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	127940	51.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.18%
7) Chloroethane-d5	1.58	69	141526	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.44%
11) 1,1-Dichloroethene-d2	2.12	63	321956	51.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.82%
21) 2-Butanone-d5	3.93	46	320570	108.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.07%
24) Chloroform-d	4.38	84	348927	53.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.84%
26) 1,2-Dichloroethane-d4	5.06	65	234902	55.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.36%
32) Benzene-d6	5.07	84	553961	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
36) 1,2-Dichloropropane-d6	6.09	67	205581	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.98%
41) Toluene-d8	7.34	98	503253	53.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.10%
43) trans-1,3-Dichloropropene-	7.64	79	106609	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.96%
47) 2-Hexanone-d5	8.11	63	255574	109.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	379677	53.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	253729	50.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	242281	51.688 ug/L	99
3) Chloromethane	1.25	50	270251	50.675 ug/L	99
5) Vinyl chloride	1.32	62	285815	52.050 ug/L	98
6) Bromomethane	1.53	94	156039	44.013 ug/L	99
8) Chloroethane	1.60	64	183906	52.018 ug/L	100
9) Trichlorofluoromethane	1.76	101	488580	55.536 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	246855	53.198 ug/L	99
12) 1,1-Dichloroethene	2.13	96	238311	51.715 ug/L	98
13) Acetone	2.22	43	180785	104.394 ug/L #	100
14) Carbon disulfide	2.30	76	574659	50.172 ug/L	100
15) Methyl Acetate	2.46	43	213846	51.084 ug/L	97
16) Methylene chloride	2.52	84	225437	50.087 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	200844	50.503 ug/L	100
18) Methyl tert-butyl Ether	2.79	73	697032	51.272 ug/L	99
19) 1,1-Dichloroethane	3.21	63	381883	51.468 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	228907	48.174 ug/L #	95
22) 2-Butanone	4.02	43	303260	107.821 ug/L	89

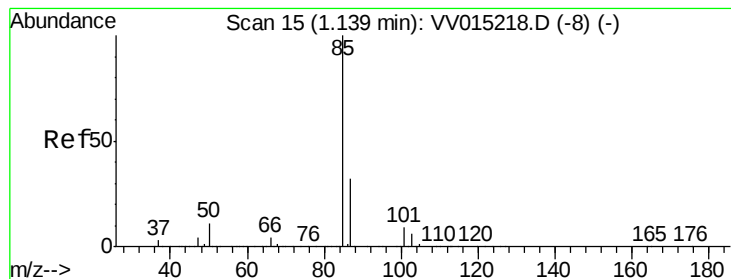
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	108234	48.283	ug/L	97
25) Chloroform	4.40	83	407223	51.414	ug/L	99
27) 1,2-Dichloroethane	5.16	62	320507	52.456	ug/L	100
29) Cyclohexane	4.70	56	353854	52.841	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	372359	50.910	ug/L	98
31) Carbon tetrachloride	4.85	117	315177	51.245	ug/L	98
33) Benzene	5.12	78	869678	50.743	ug/L	100
34) Trichloroethene	5.94	95	232367	50.611	ug/L	97
35) Methylcyclohexane	6.15	83	364582	51.998	ug/L	98
37) 1,2-Dichloropropane	6.20	63	223017	51.886	ug/L	100
38) Bromodichloromethane	6.53	83	312738	49.514	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	353404	49.178	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	636572	100.631	ug/L	100
42) Toluene	7.41	91	984271	51.961	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	339206	48.847	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	218230	50.207	ug/L	98
46) Tetrachloroethene	7.99	164	149964	50.482	ug/L	98
48) 2-Hexanone	8.16	43	493742	102.159	ug/L	98
49) Dibromochloromethane	8.27	129	238346	50.652	ug/L	98
50) 1,2-Dibromoethane	8.37	107	237523	51.169	ug/L	99
51) Chlorobenzene	8.90	112	646576	52.420	ug/L	99
52) Ethylbenzene	9.03	91	1129917	52.701	ug/L	100
53) m,p-Xylene	9.16	106	430929	52.244	ug/L	97
54) o-xylene	9.57	106	426601	51.924	ug/L	99
55) Styrene	9.58	104	729689	52.709	ug/L	99
56) Isopropylbenzene	9.95	105	1132176	53.710	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	367363	51.429	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	294094	50.532	ug/L	100
61) Bromoform	9.75	173	148056	48.038	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	470355	51.680	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	480335	52.514	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	482715	51.735	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	98424	50.605	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	291539	50.459	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	280971	52.288	ug/L	99
69) Naphthalene	13.53	128	1113014	51.381	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	282238	51.221	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.688 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

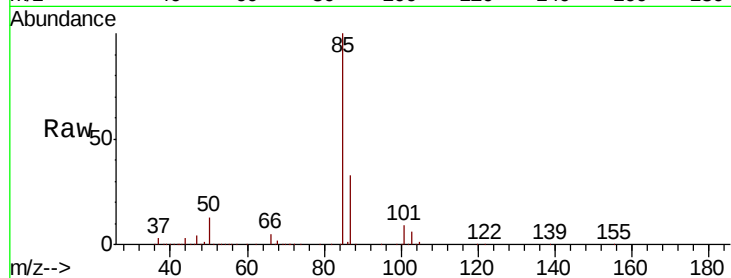
ClientSampled :

Tot Ion: 85 Resp: 242281

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

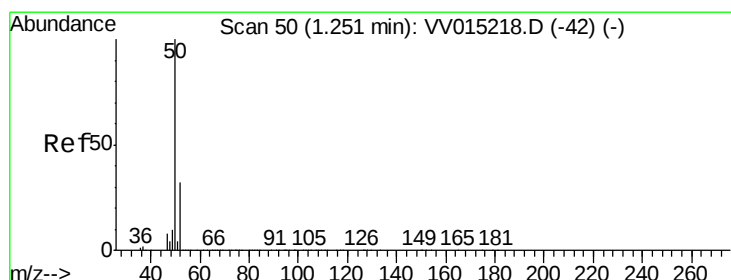
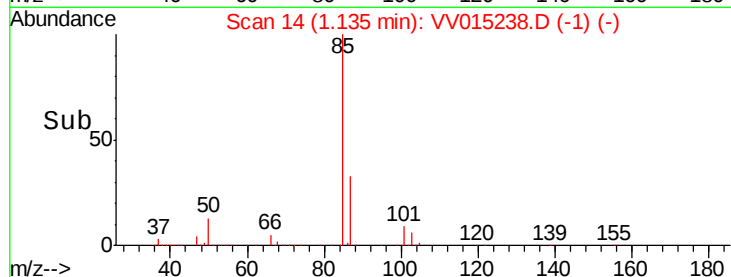
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.675 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015238.D

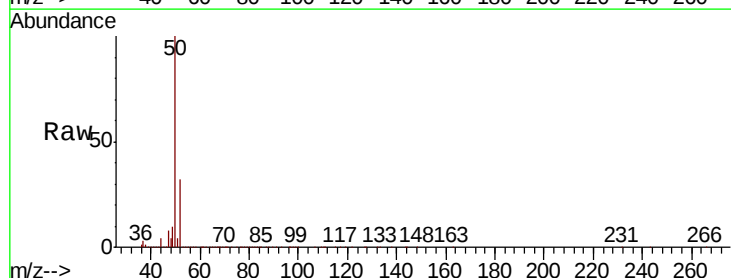
Acq: 28 Mar 2020 10:27

Tgt Ion: 50 Resp: 270251

Ion Ratio Lower Upper

50 100

52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

300000

250000

200000

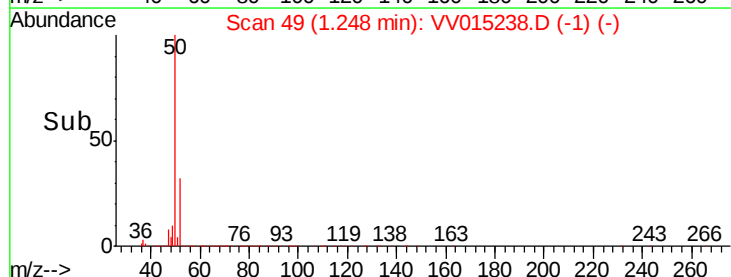
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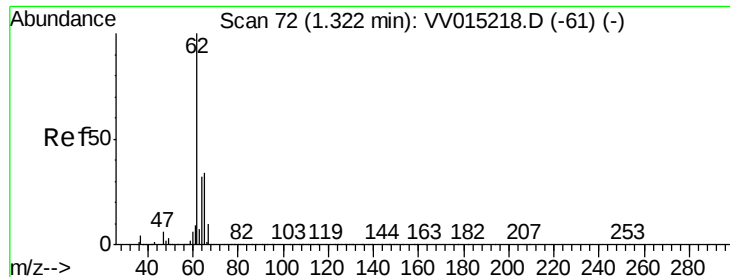
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 52.050 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

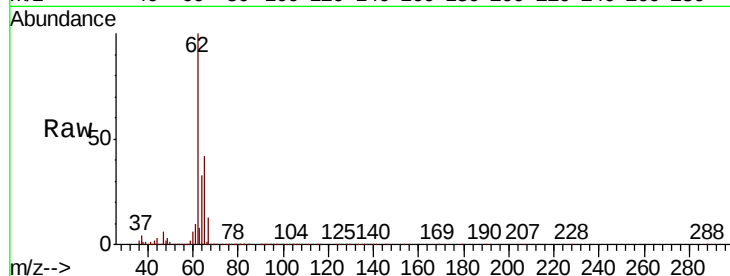
ClientSampleId :

Tot Ion: 62 Resp: 285815

Ion Ratio Lower Upper

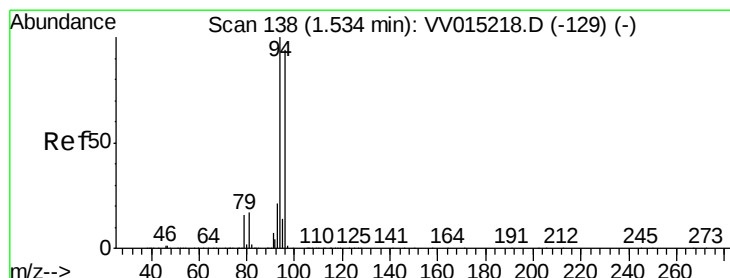
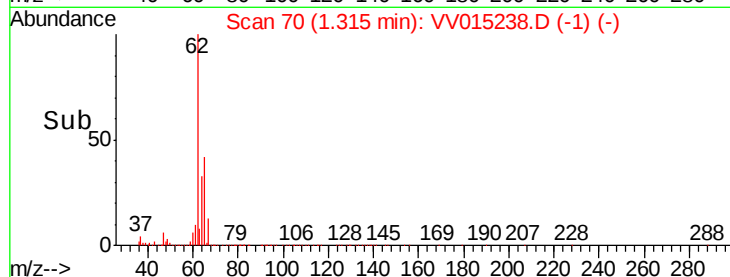
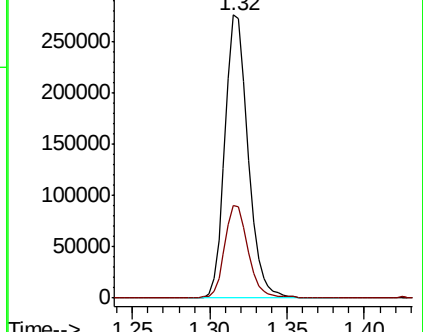
62 100

64 32.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 44.013 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015238.D

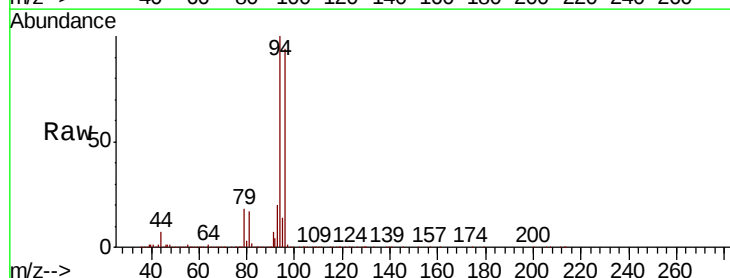
Acq: 28 Mar 2020 10:27

Tgt Ion: 94 Resp: 156039

Ion Ratio Lower Upper

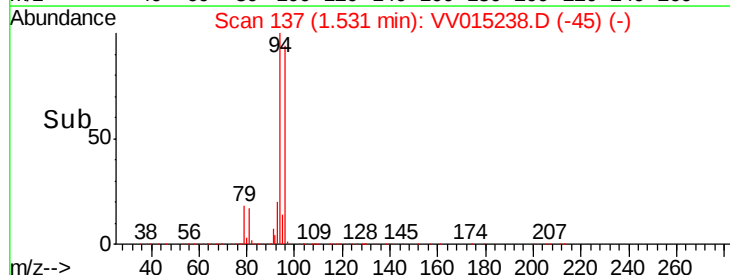
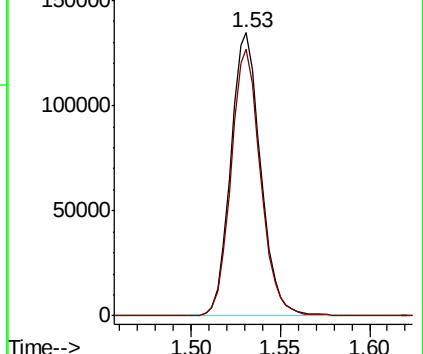
94 100

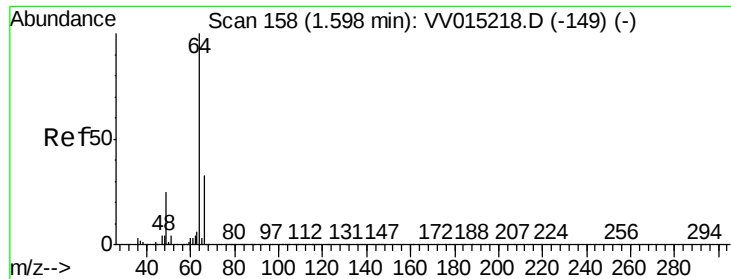
96 94.0 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

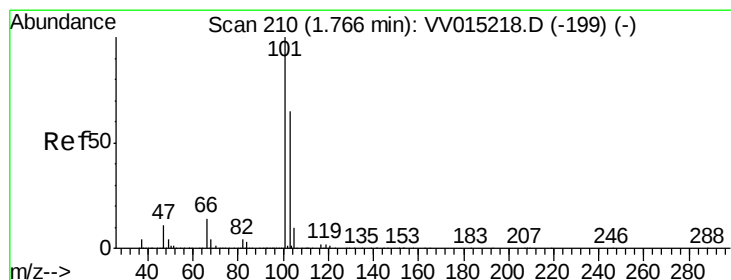
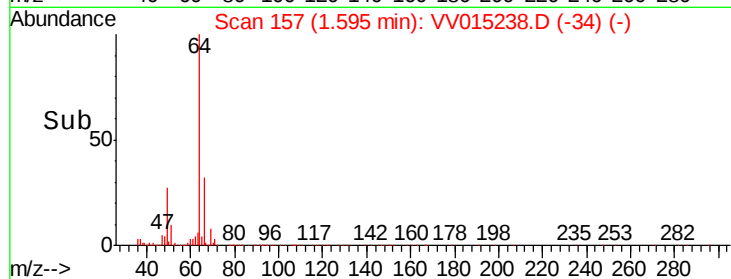
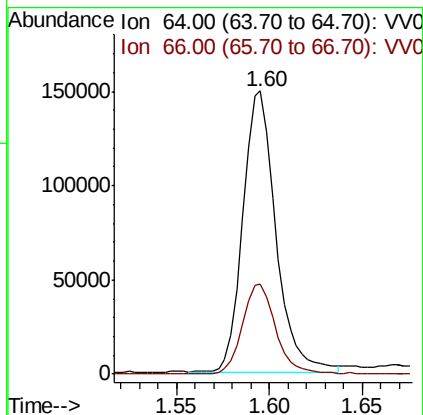
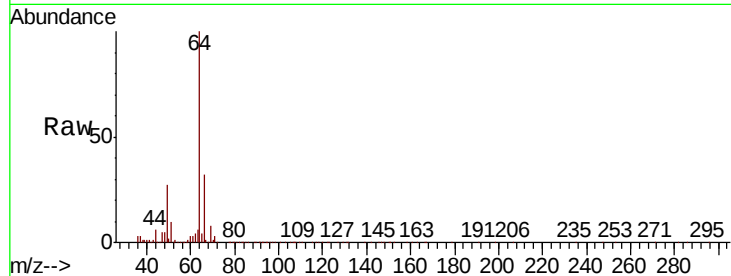




#8
Chloroethane
Concen: 52.018 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

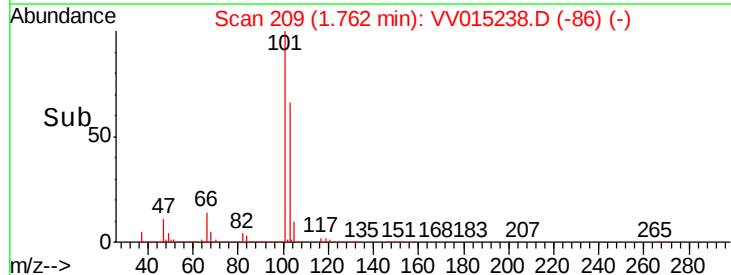
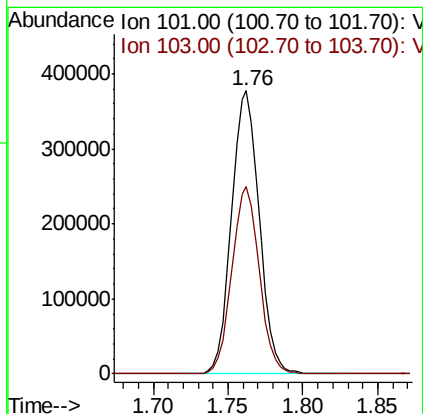
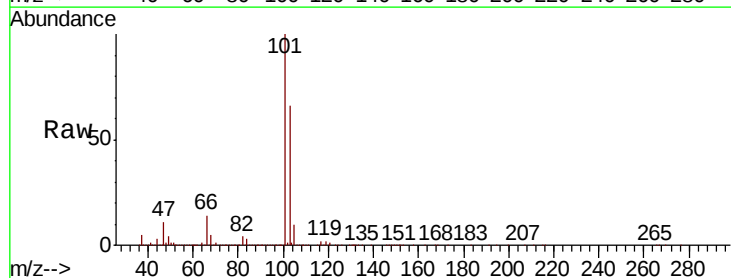
Instrument :
MSVOA_V
ClientSampleId :

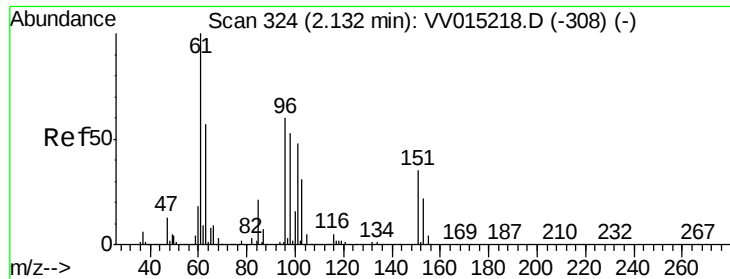
Tot Ion: 64 Resp: 183906
Ion Ratio Lower Upper
64 100
66 31.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 55.536 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Tgt Ion: 101 Resp: 488580
Ion Ratio Lower Upper
101 100
103 65.2 50.8 76.2





#10

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

Concen: 53.198 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

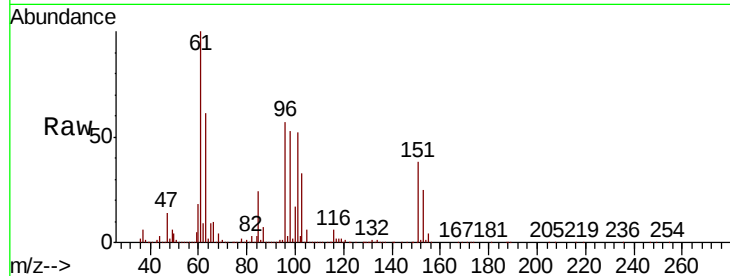
Tot Ion:101 Resp: 246855

Ion Ratio Lower Upper

101 100

85 46.7 36.3 54.5

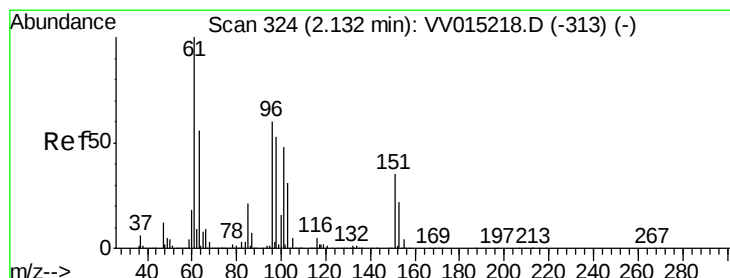
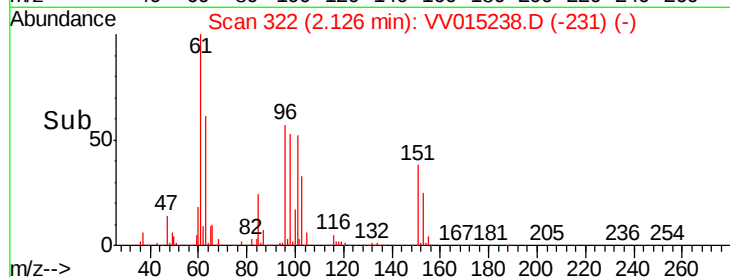
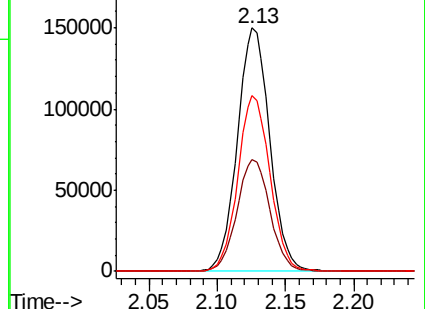
151 71.8 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.715 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

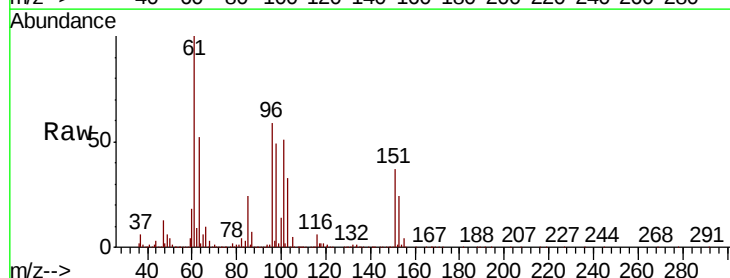
Tgt Ion: 96 Resp: 238311

Ion Ratio Lower Upper

96 100

61 169.8 119.1 221.3

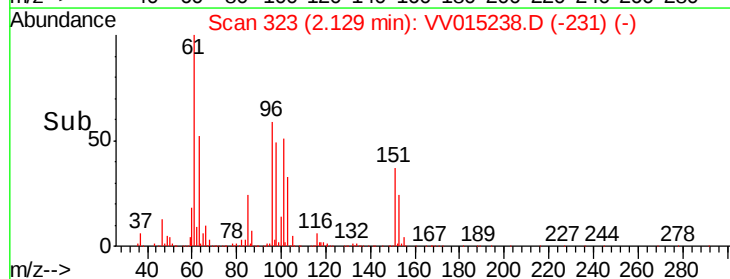
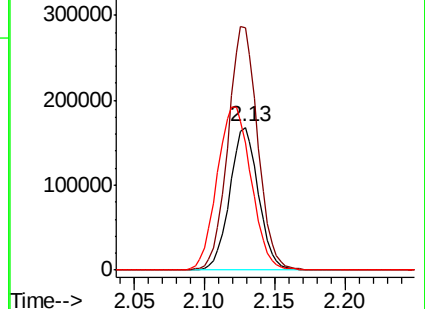
63 89.1 66.0 122.6

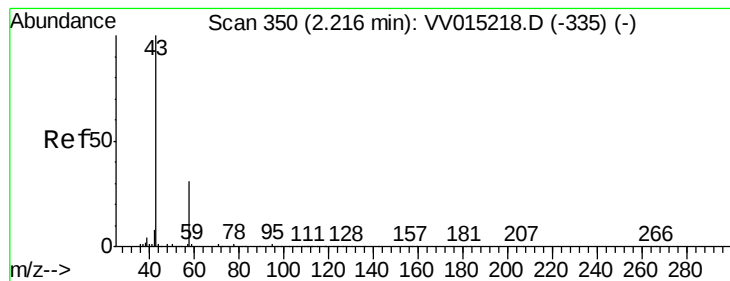


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 104.394 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

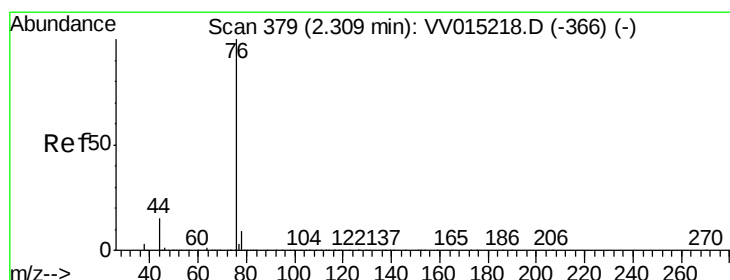
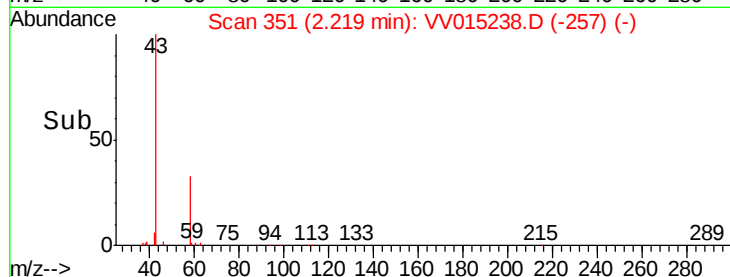
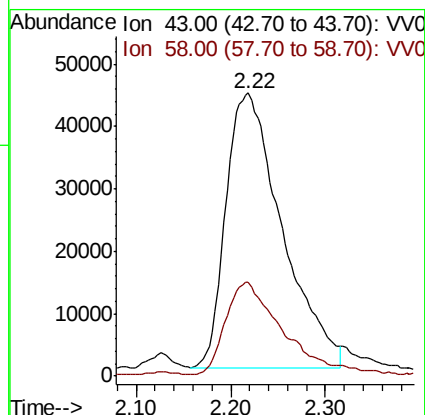
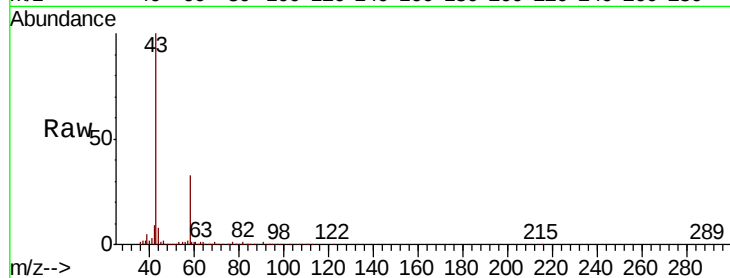
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 180785

Ion Ratio Lower Upper

43 100

58 33.1 0.0 0.0#



#14

Carbon disulfide

Concen: 50.172 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV015238.D

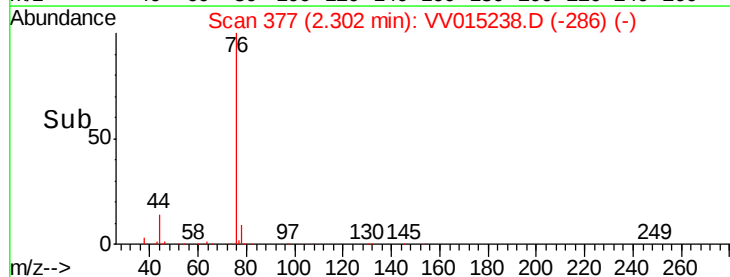
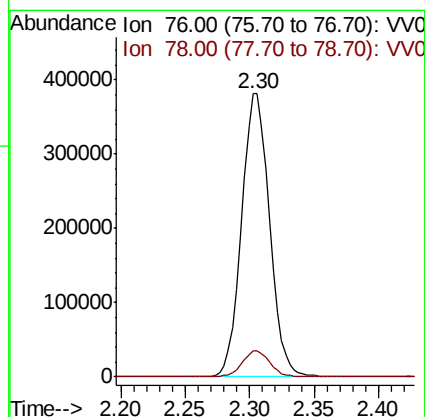
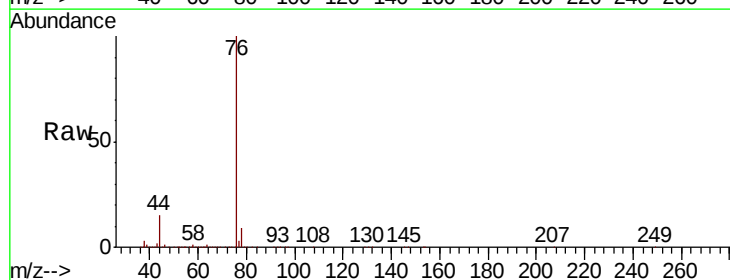
Acq: 28 Mar 2020 10:27

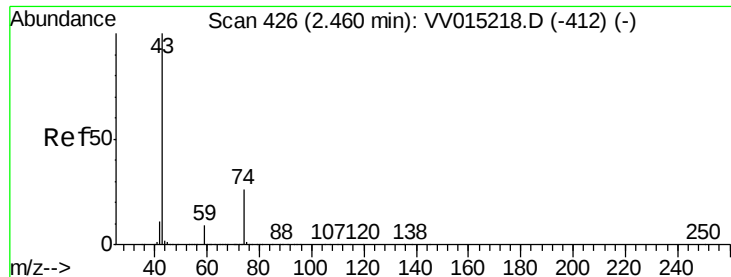
Tgt Ion: 76 Resp: 574659

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

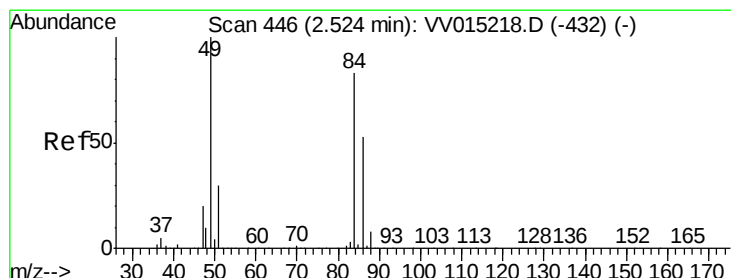
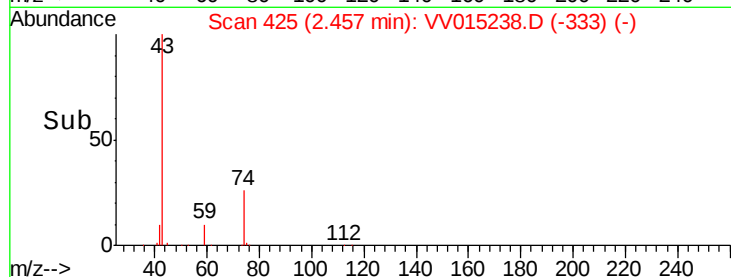
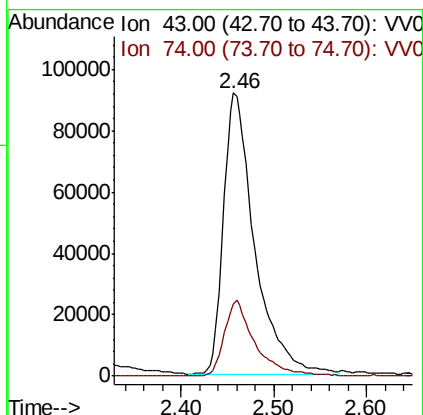
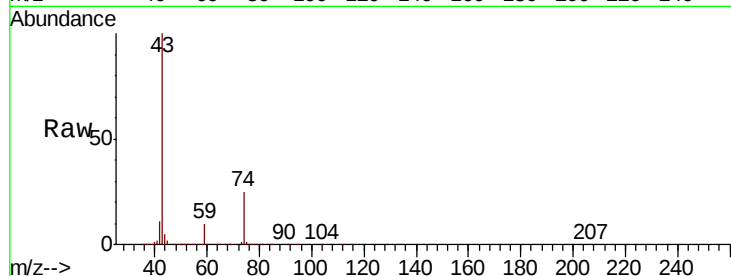




#15
Methyl Acetate
Concen: 51.084 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

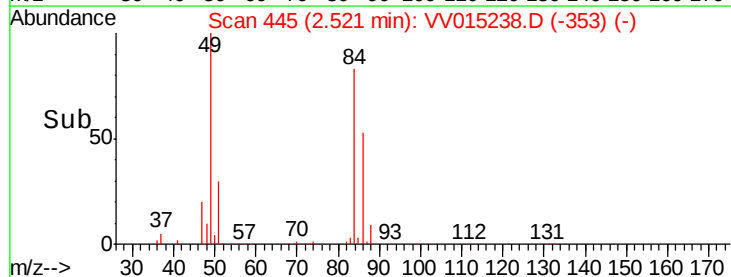
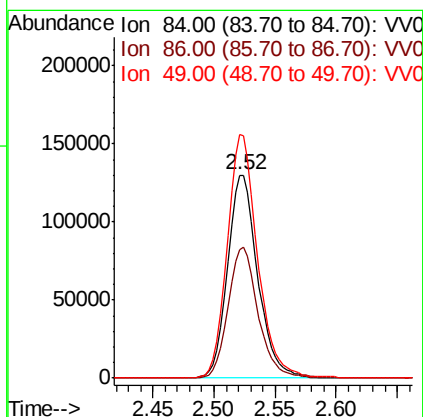
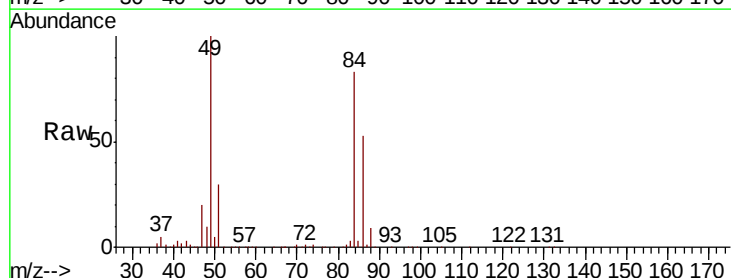
Instrument :
MSVOA_V
ClientSampled :

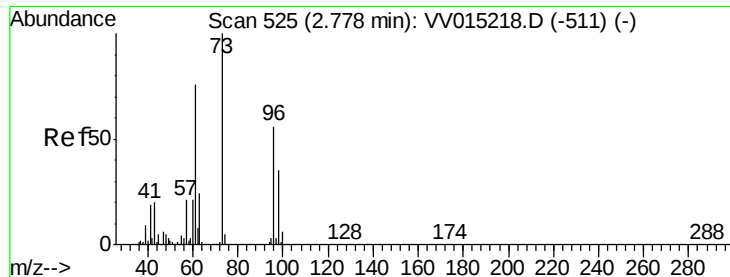
Tot Ion: 43 Resp: 213846
Ion Ratio Lower Upper
43 100
74 26.3 19.7 29.5



#16
Methylene chloride
Concen: 50.087 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Tgt Ion: 84 Resp: 225437
Ion Ratio Lower Upper
84 100
86 63.3 43.8 81.4
49 119.9 84.8 157.4





#17

trans-1,2-Dichloroethene

Concen: 50.503 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :

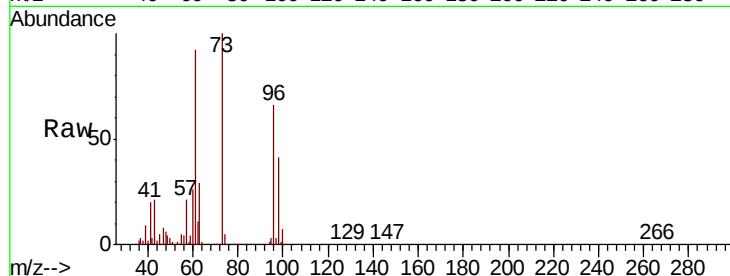
Tot Ion: 96 Resp: 200844

Ion Ratio Lower Upper

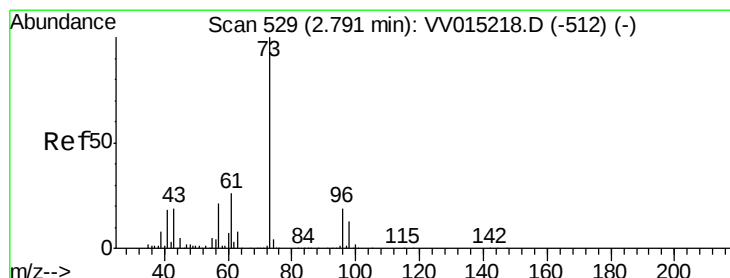
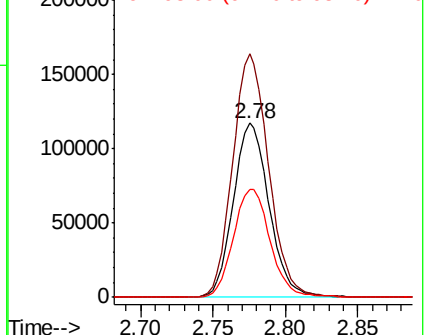
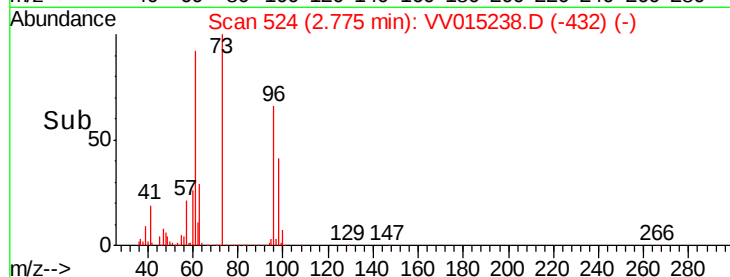
96 100

61 139.9 97.9 181.7

98 61.8 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 51.272 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

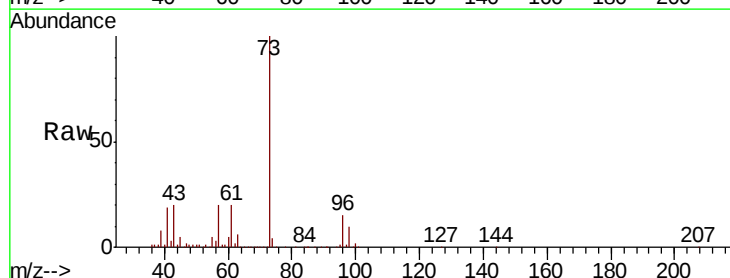
Tgt Ion: 73 Resp: 697032

Ion Ratio Lower Upper

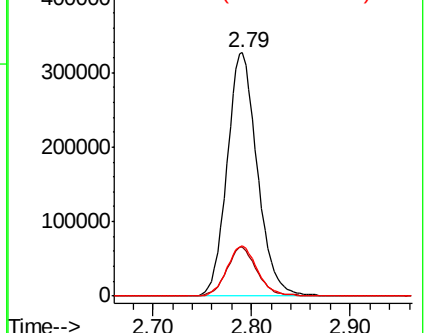
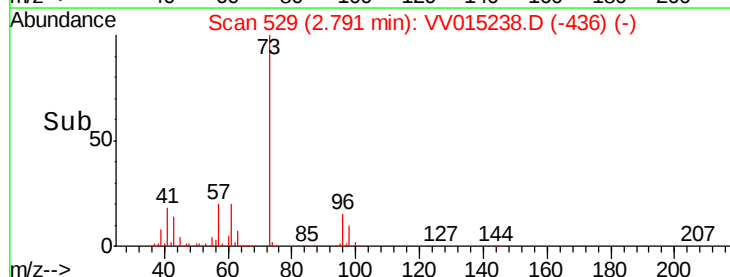
73 100

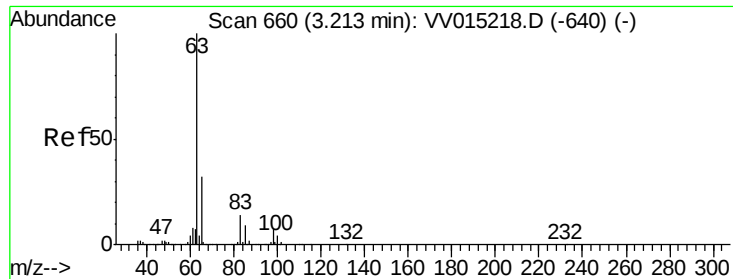
43 19.8 15.5 23.3

57 20.8 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

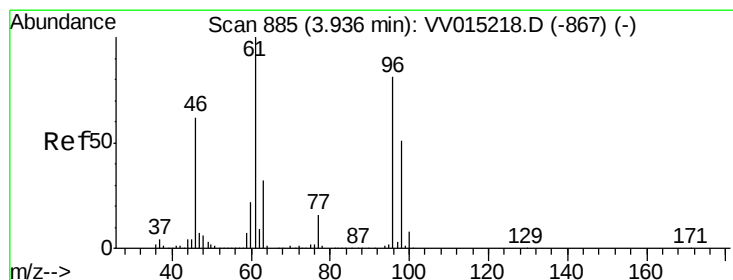
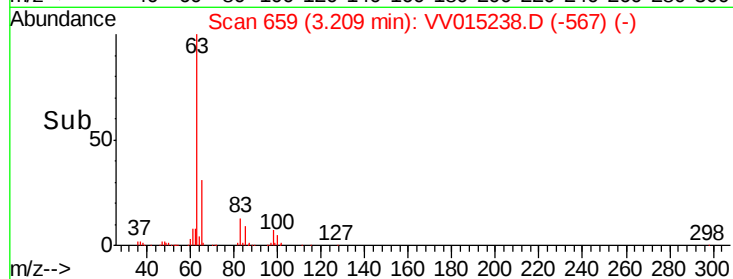
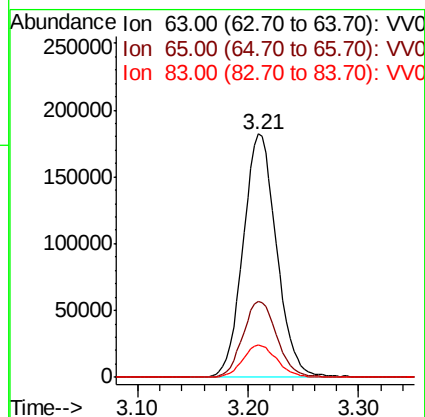
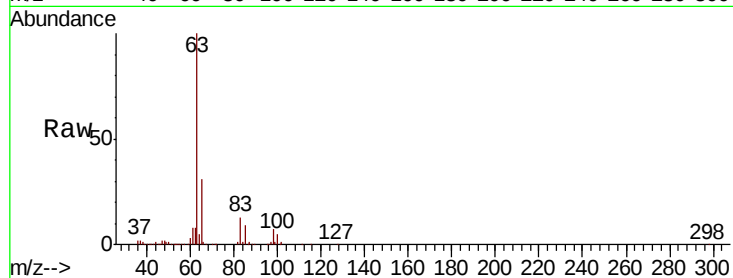




#19
 1,1-Dichloroethane
 Concen: 51.468 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

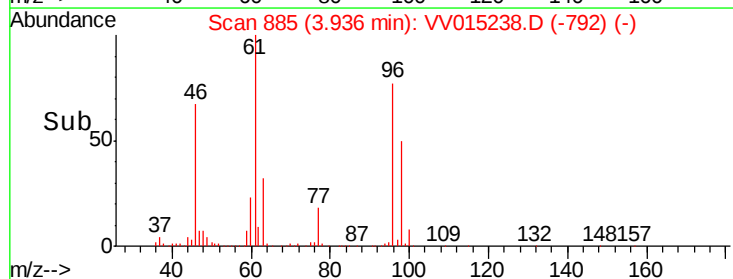
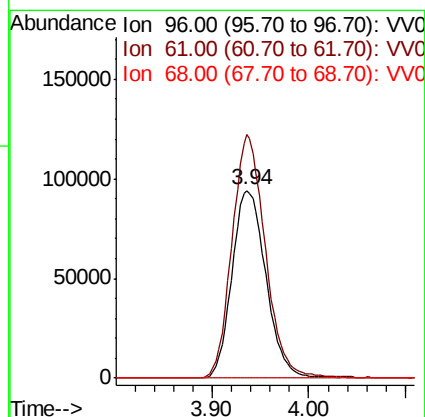
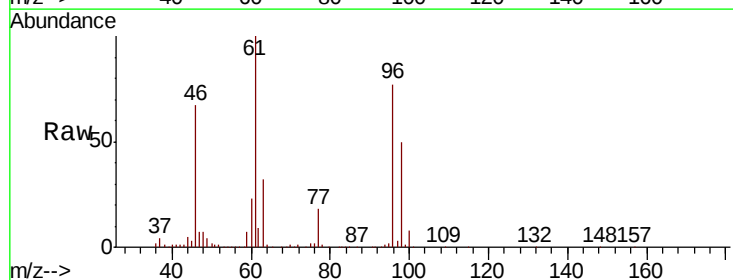
Instrument :
 MSVOA_V
 ClientSampled :

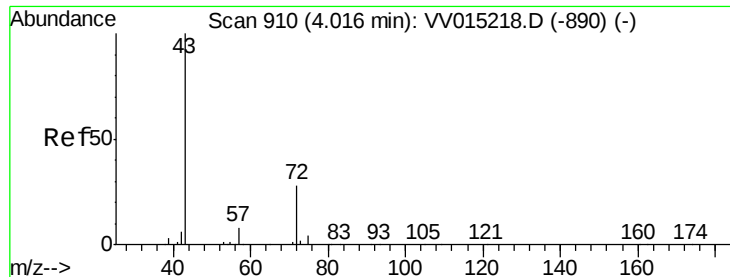
Tot Ion:	63	Resp:	381883
Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.8	42.4
83	13.1	9.7	17.9



#20
 cis-1,2-Dichloroethene
 Concen: 48.174 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Tgt Ion:	96	Resp:	228907
Ion	Ratio	Lower	Upper
96	100		
61	130.0	87.2	162.0
68	0.1	0.1	0.3#





#22

2-Butanone

Concen: 107.821 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

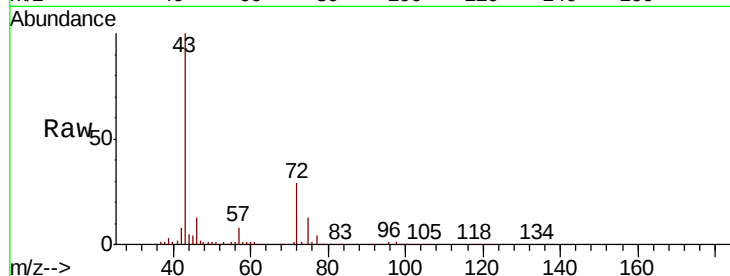
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 303260

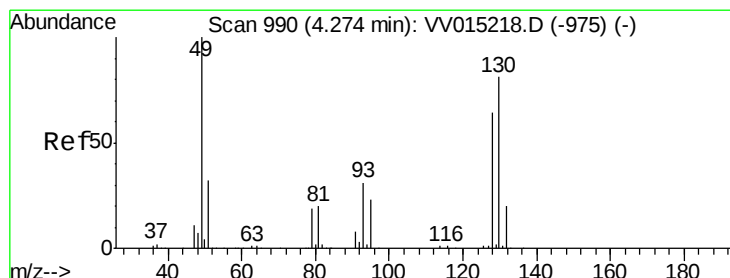
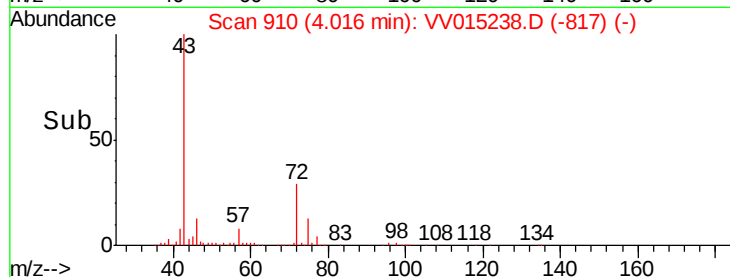
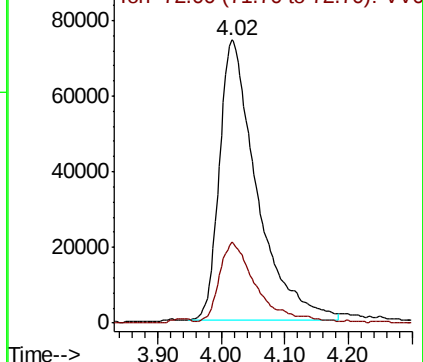
Ion Ratio Lower Upper

43 100

72 24.8 9.8 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV015238.D (-890) (-)



#23

Bromochloromethane

Concen: 48.283 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Tgt Ion:128 Resp: 108234

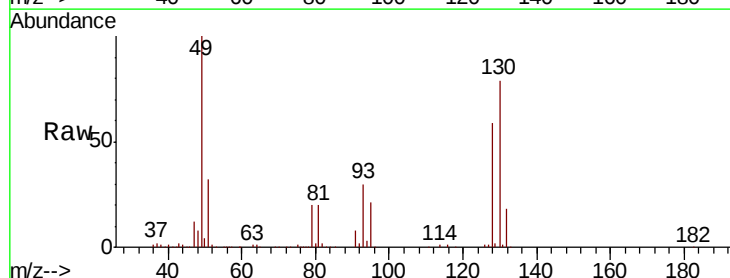
Ion Ratio Lower Upper

128 100

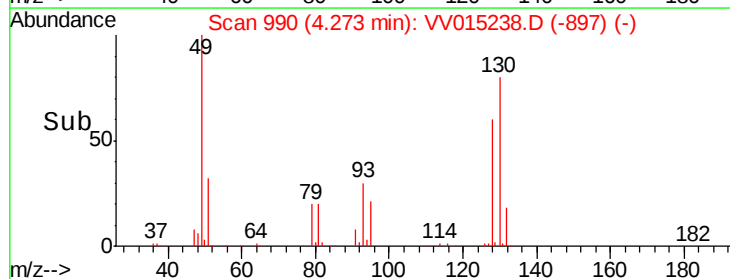
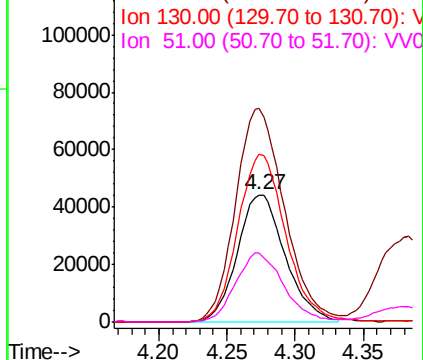
49 168.4 120.6 224.0

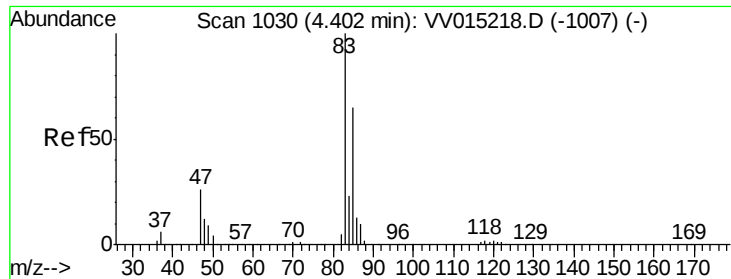
130 132.4 89.7 166.5

51 54.2 41.7 62.5



Abundance Ion 128.00 (127.70 to 128.70): VV015238.D (-897) (-)

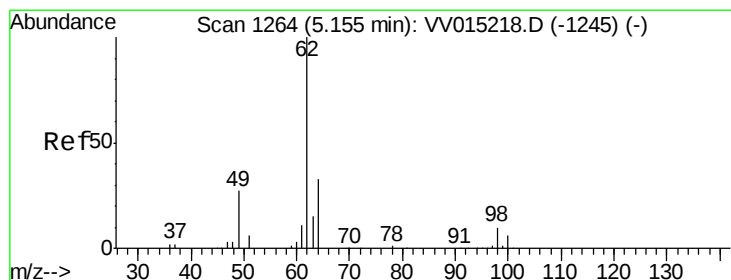
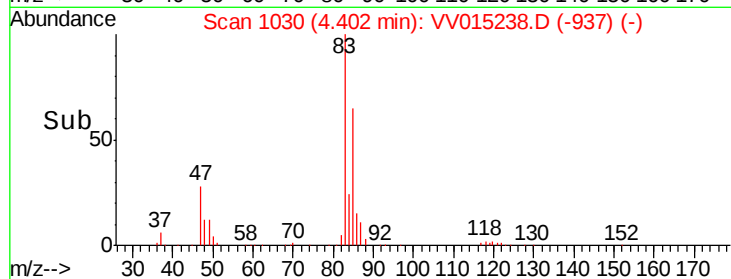
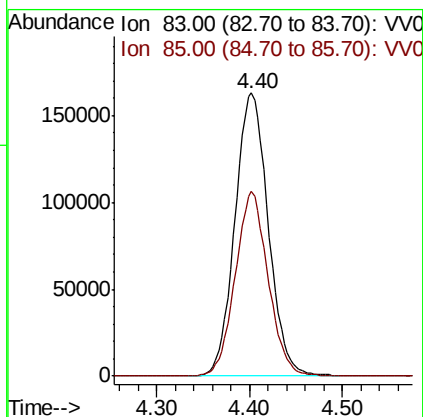
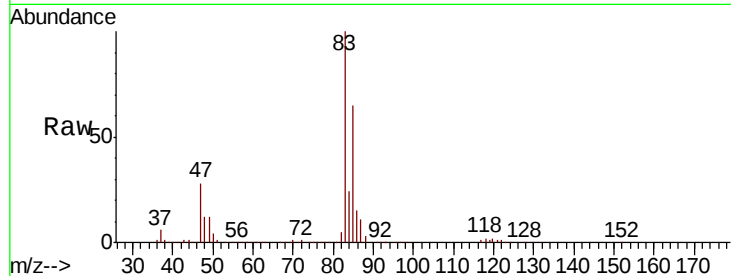




#25
Chloroform
Concen: 51.414 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

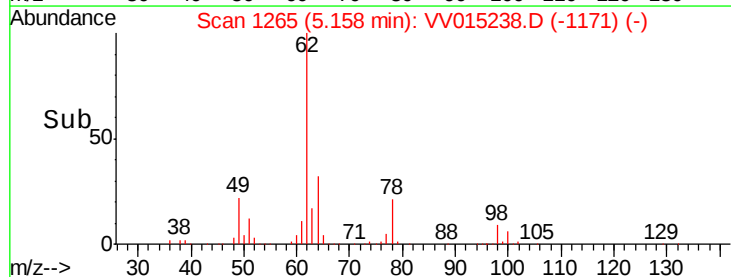
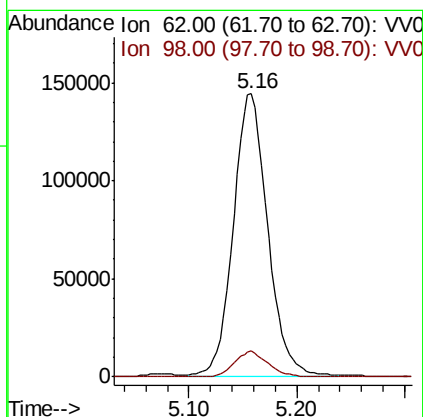
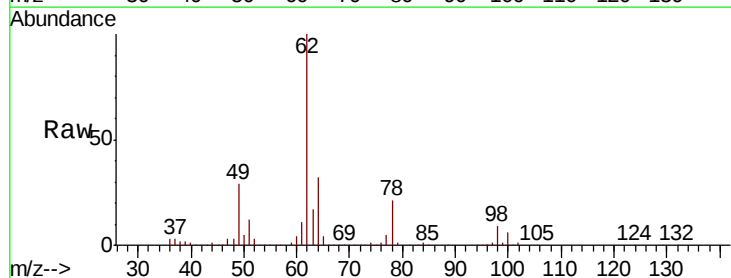
Instrument :
MSVOA_V
ClientSampled :

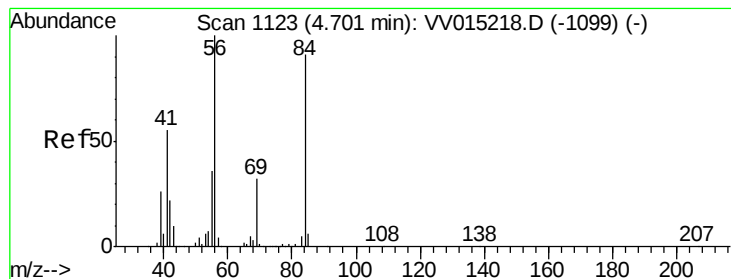
Tot Ion: 83 Resp: 407223
Ion Ratio Lower Upper
83 100
85 65.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 52.456 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Tgt Ion: 62 Resp: 320507
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#29

Cyclohexane

Concen: 52.841 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :

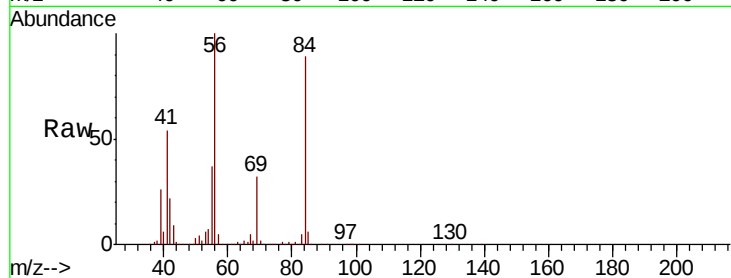
Tot Ion: 56 Resp: 353854

Ion Ratio Lower Upper

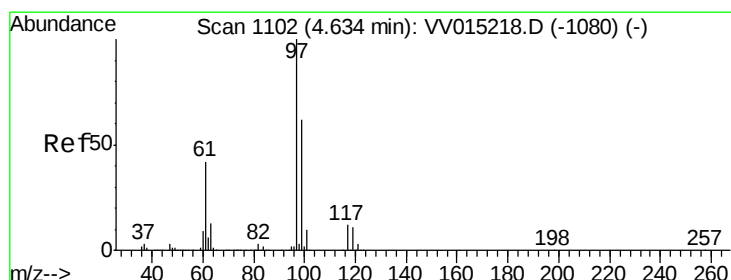
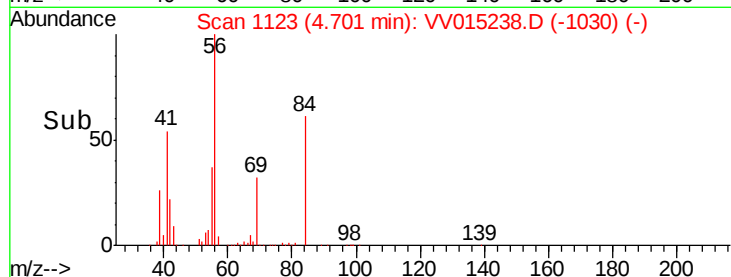
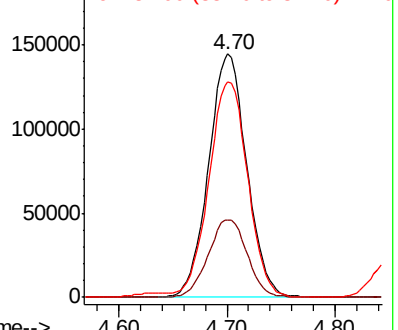
56 100

69 32.8 25.8 38.6

84 90.4 72.5 108.7



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.910 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

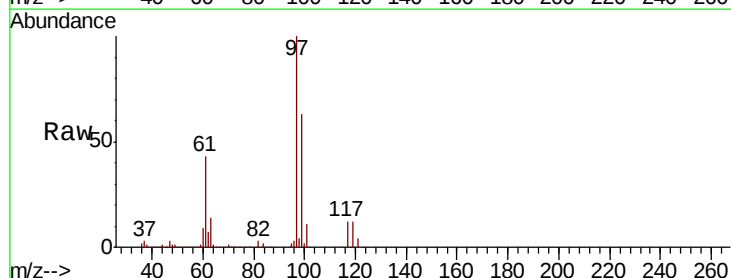
Tgt Ion: 97 Resp: 372359

Ion Ratio Lower Upper

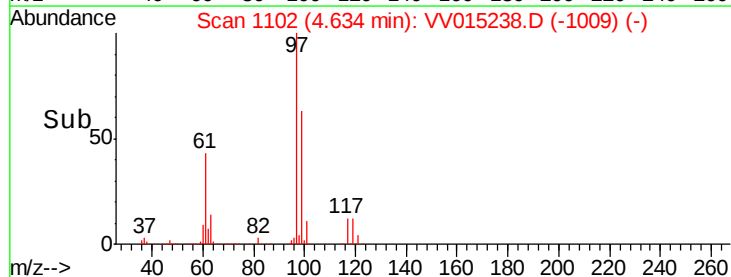
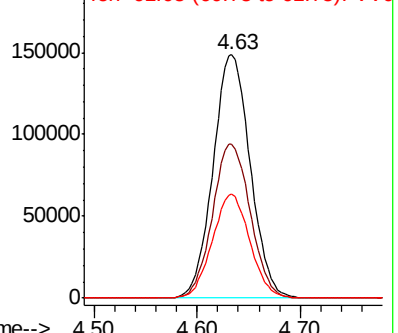
97 100

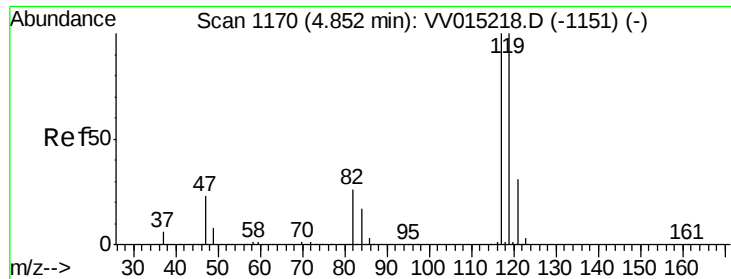
99 64.4 50.6 75.8

61 43.3 33.4 50.2



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: 51.245 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

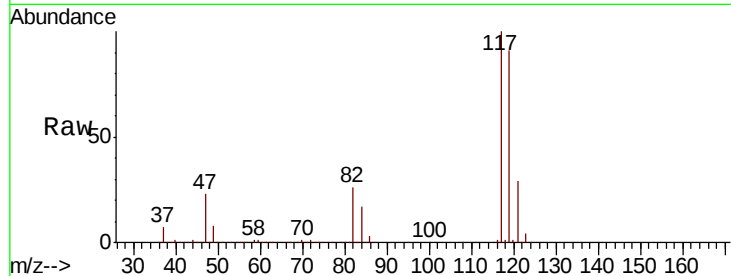
ClientSampled :

Tot Ion:117 Resp: 315177

Ion Ratio Lower Upper

117 100

119 93.5 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

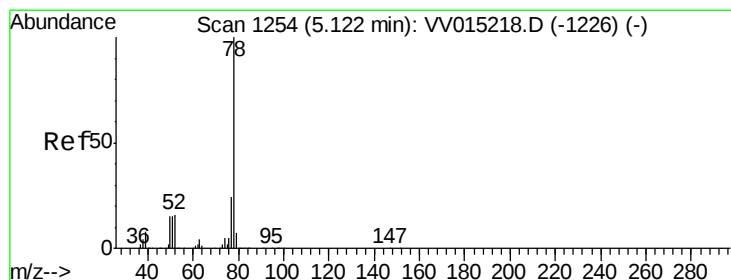
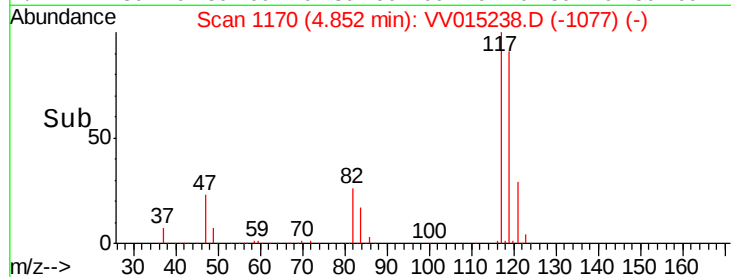
100000

50000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 50.743 ug/L

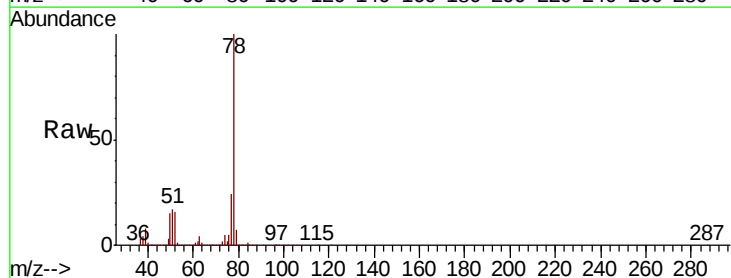
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Tgt Ion: 78 Resp: 869678



Abundance Ion 78.00 (77.70 to 78.70): VV0

400000

300000

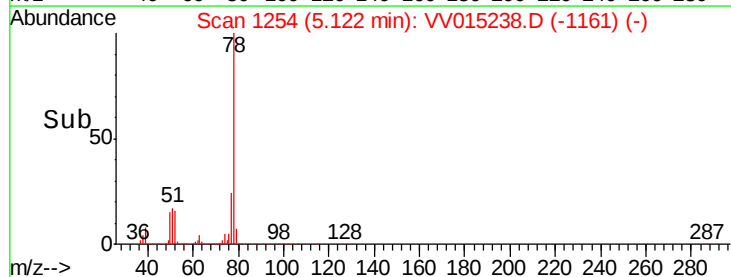
200000

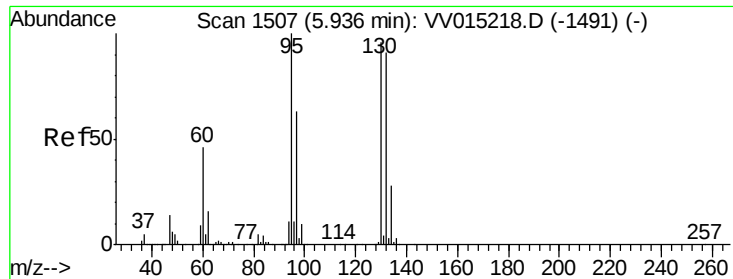
100000

0

5.00 5.10 5.20

Time-->

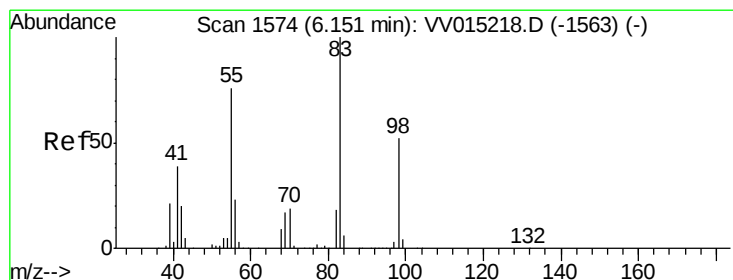
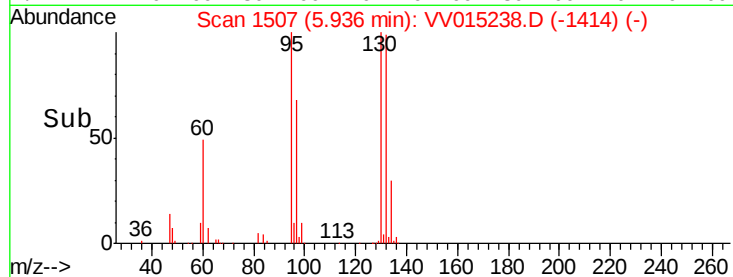
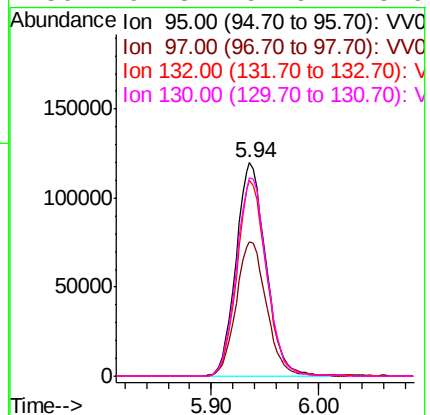
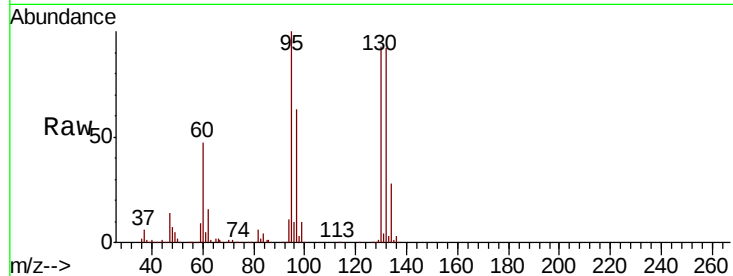




#34
 Trichloroethene
 Concen: 50.611 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

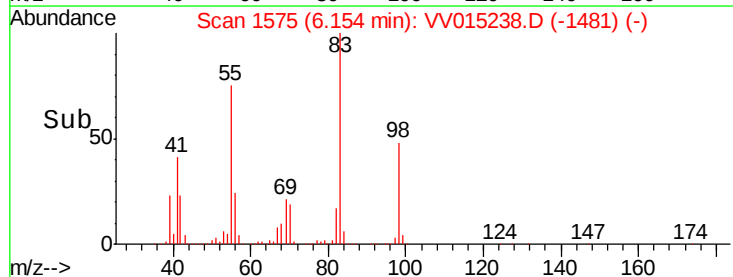
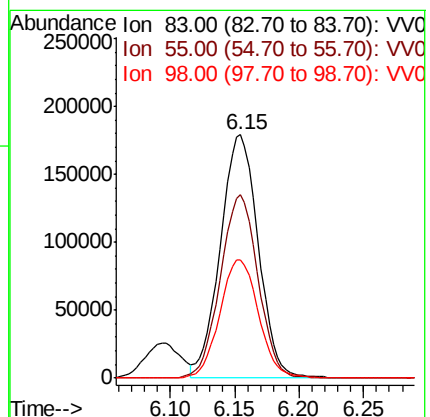
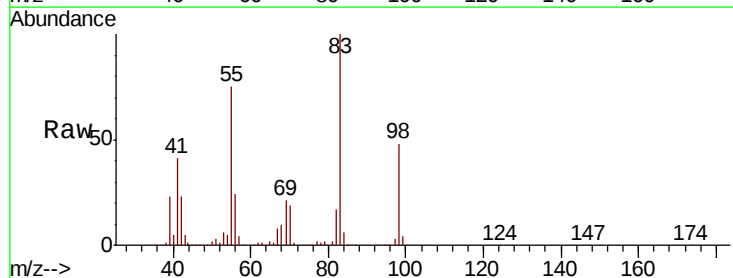
Instrument :
 MSVOA_V
 ClientSampled :

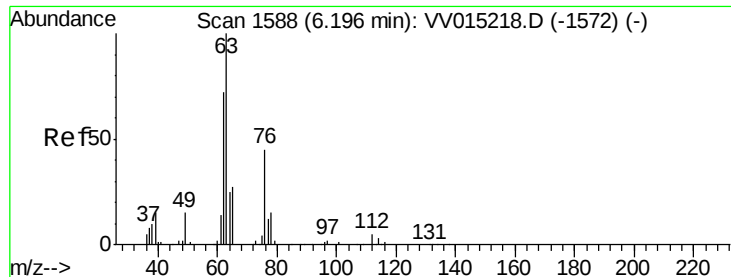
Tot Ion:	95	Resp:	232367
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.7	84.9
132	91.7	66.2	123.0
130	92.8	67.6	125.6



#35
 Methylcyclohexane
 Concen: 51.998 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Tgt Ion:	83	Resp:	364582
Ion	Ratio	Lower	Upper
83	100		
55	74.8	58.2	87.2
98	49.9	41.0	61.4

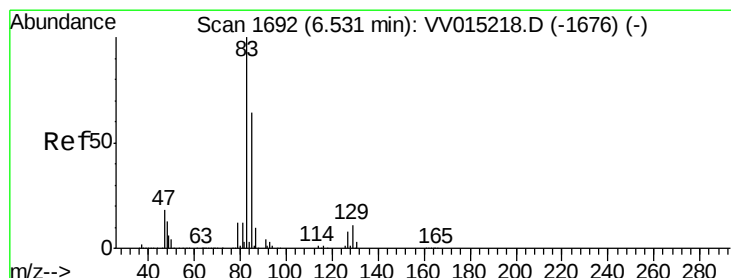
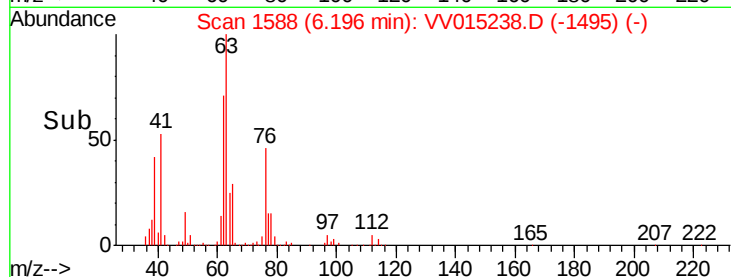
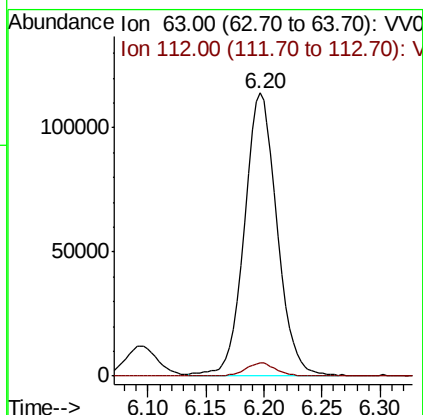
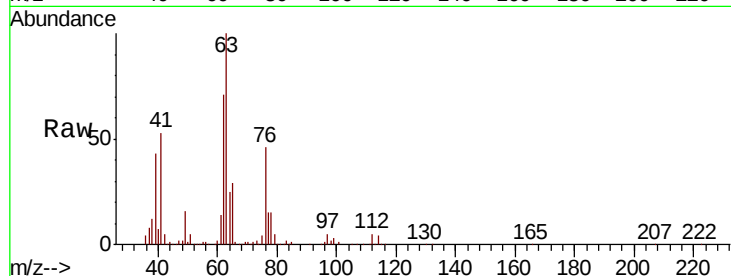




#37
 1,2-Dichloropropane
 Concen: 51.886 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

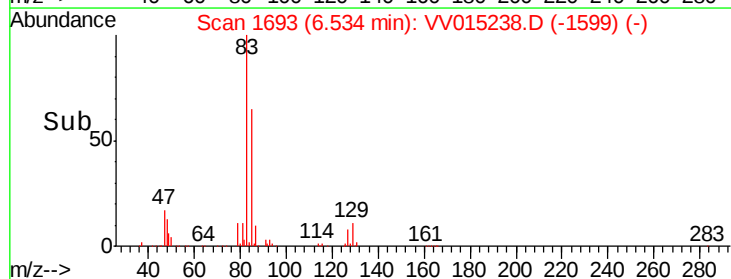
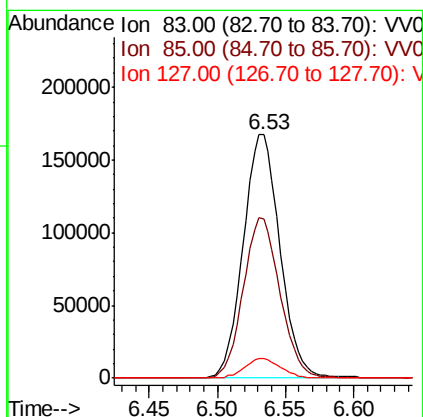
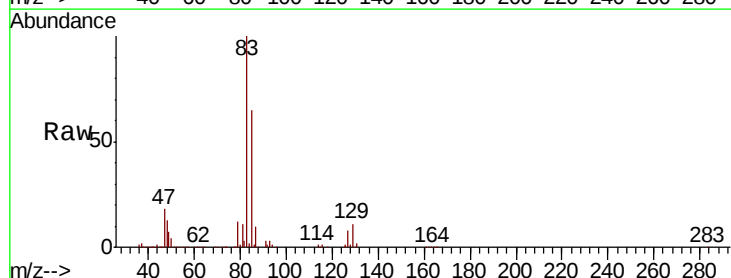
Instrument :
 MSVOA_V
 ClientSampled :

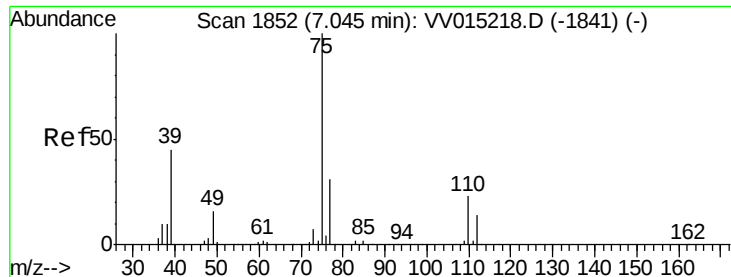
Tot Ion: 63 Resp: 223017
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.514 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Tgt Ion: 83 Resp: 312738
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.3 85.9
 127 8.0 6.5 9.7



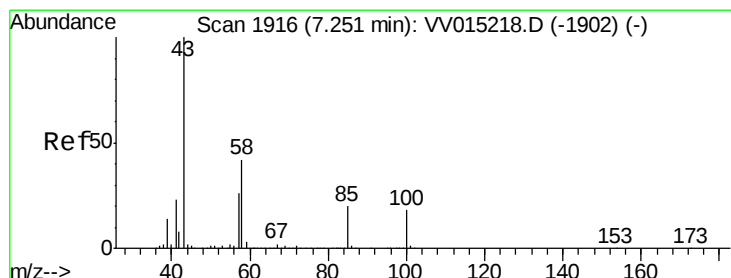
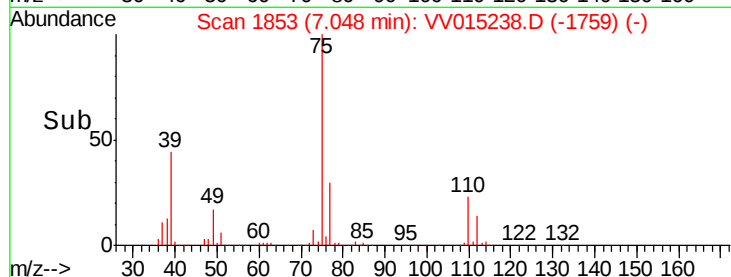
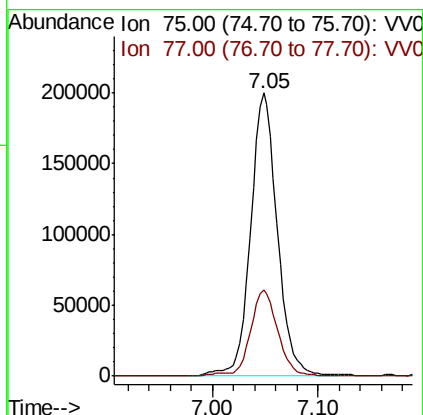
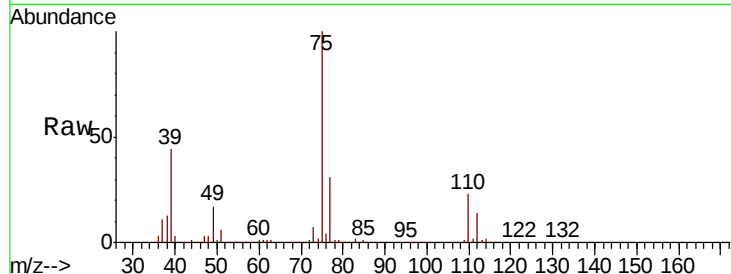


#39

cis-1,3-Dichloropropene
Concen: 49.178 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :

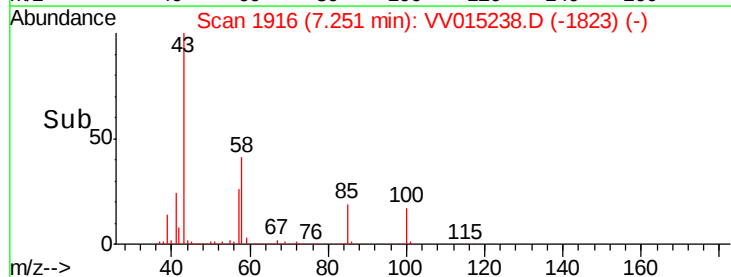
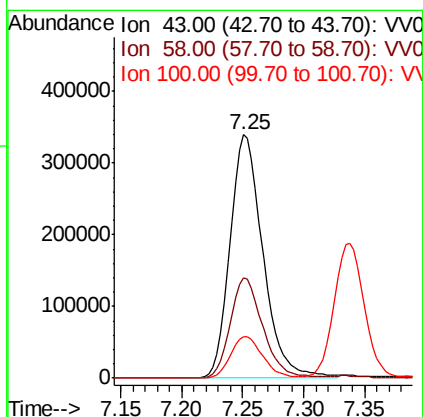
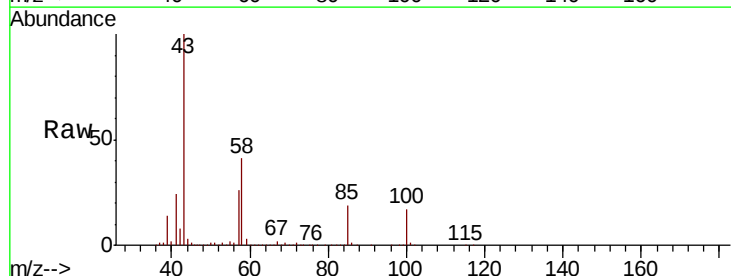
Tot Ion: 75 Resp: 353404
Ion Ratio Lower Upper
75 100
77 30.5 22.5 41.9

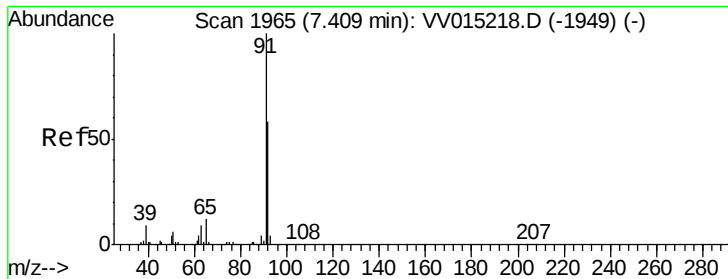


#40

4-Methyl-2-pentanone
Concen: 100.631 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Tgt Ion: 43 Resp: 636572
Ion Ratio Lower Upper
43 100
58 40.7 32.5 48.7
100 16.9 13.4 20.0





#42

Toluene

Concen: 51.961 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

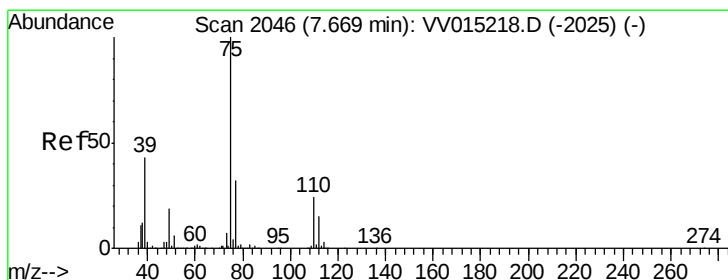
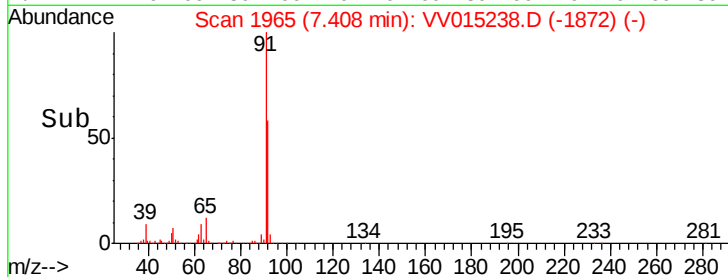
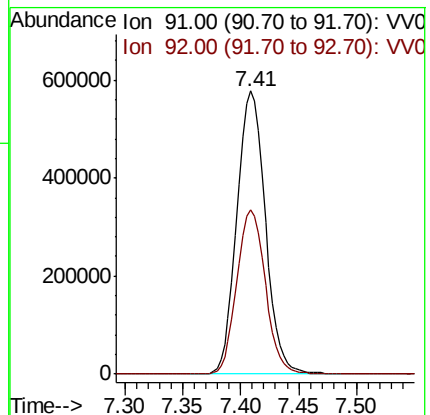
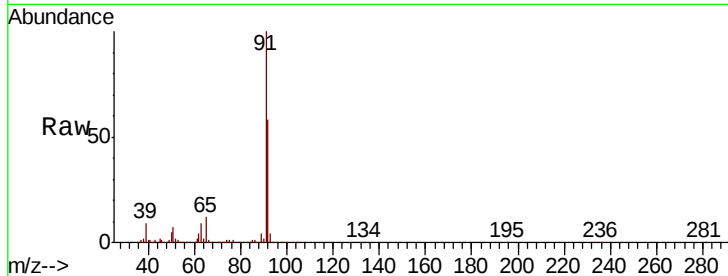
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 984271

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 48.847 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015238.D

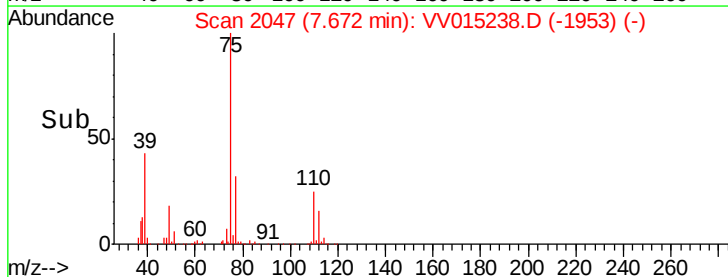
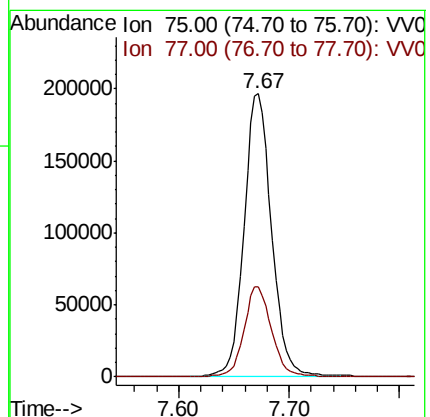
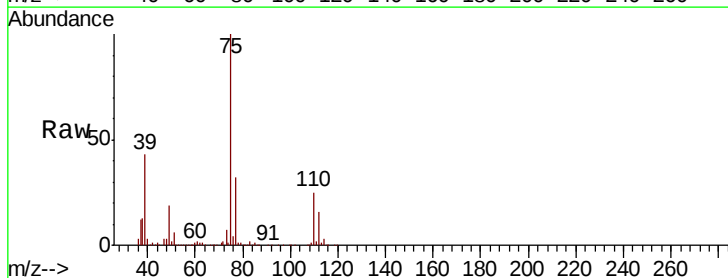
Acq: 28 Mar 2020 10:27

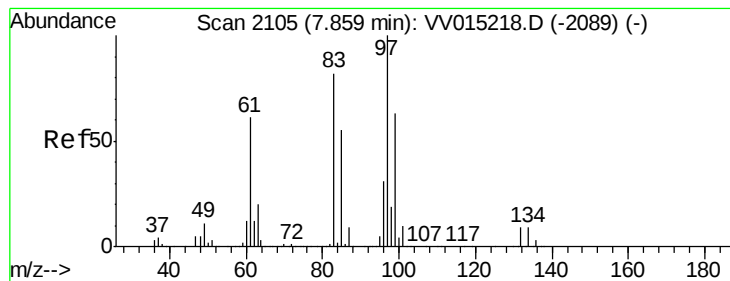
Tgt Ion: 75 Resp: 339206

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 50.207 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 218230

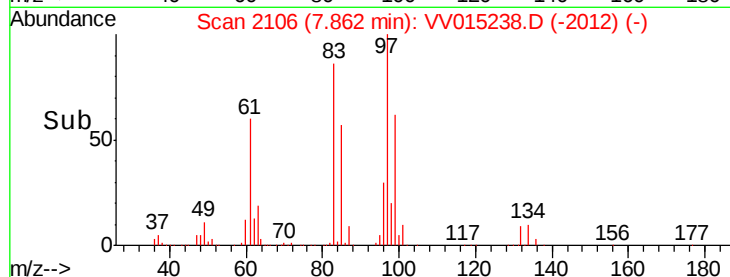
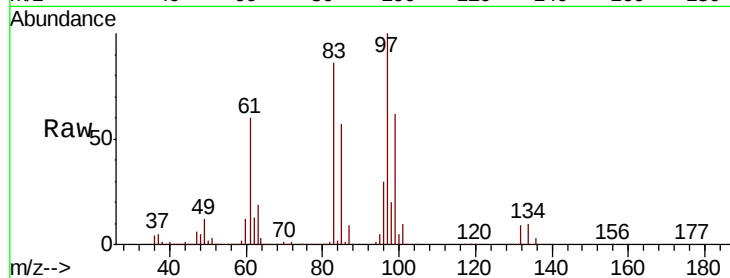
Ion Ratio Lower Upper

97 100

99 62.4 43.3 80.3

83 85.6 62.1 115.3

85 56.8 40.0 74.2

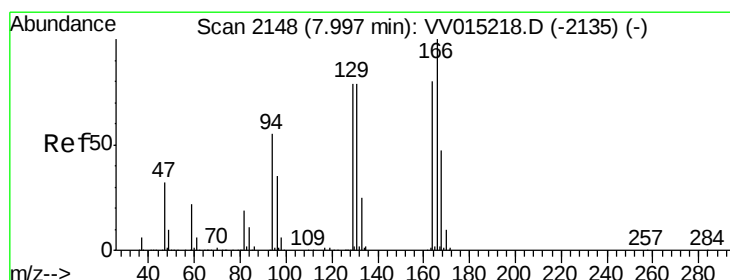
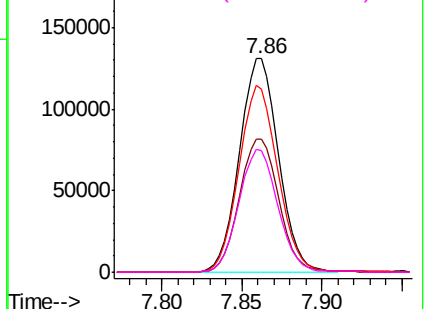


Abundance Ion 97.00 (96.70 to 97.70): VV015238.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV015238.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV015238.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV015238.D (-2012) (-)



#46

Tetrachloroethene

Concen: 50.482 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Tgt Ion: 164 Resp: 149964

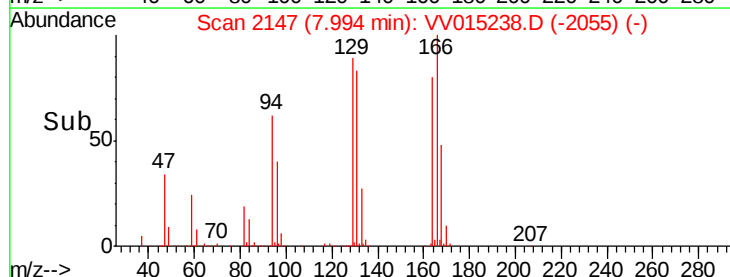
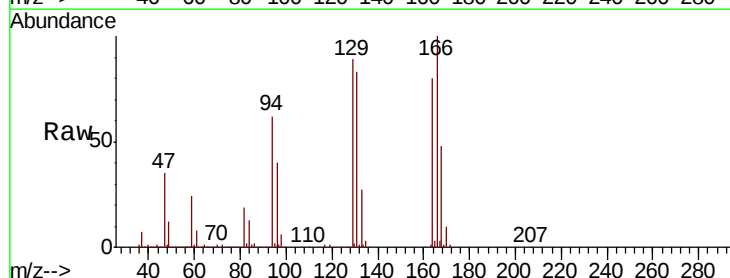
Ion Ratio Lower Upper

164 100

129 111.2 75.3 139.9

131 103.7 71.8 133.4

166 124.6 87.9 163.3

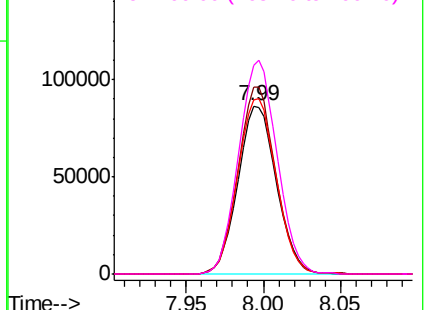


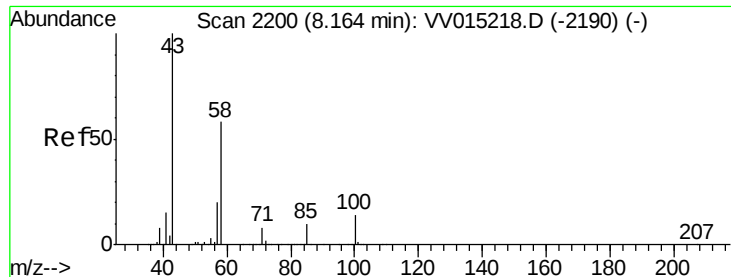
Abundance Ion 164.00 (163.70 to 164.70): VV015238.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV015238.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV015238.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV015238.D (-2055) (-)

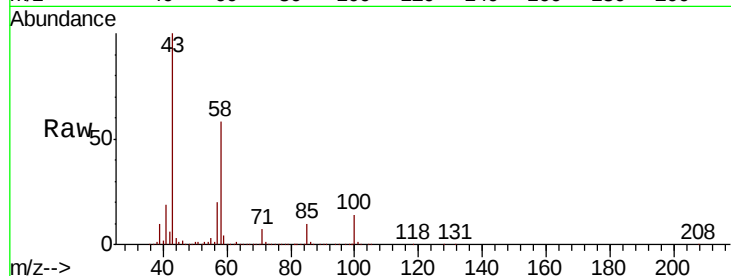




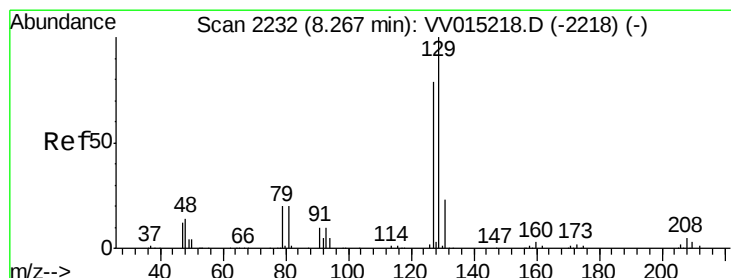
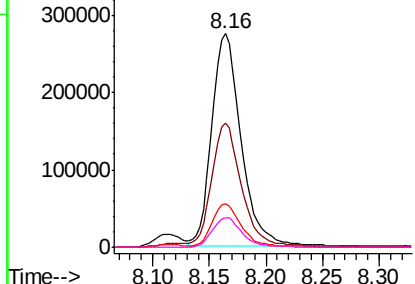
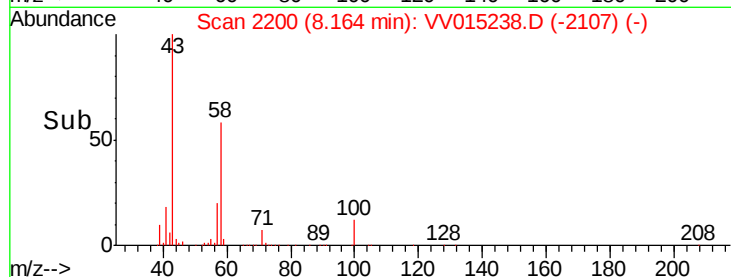
#48
2-Hexanone
Concen: 102.159 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 493742
Ion Ratio Lower Upper
43 100
58 59.1 45.5 68.3
57 19.4 15.8 23.6
100 14.2 10.9 16.3

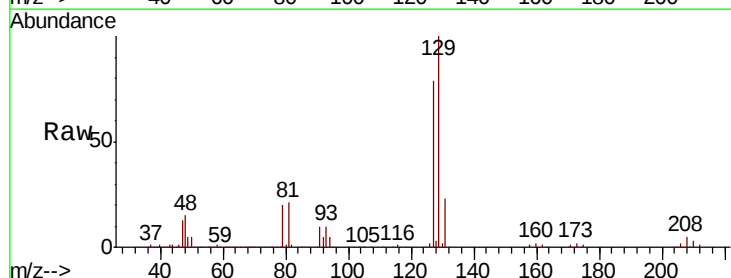


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

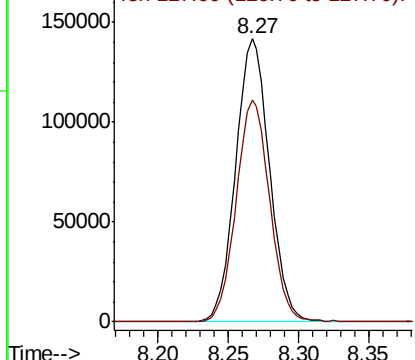
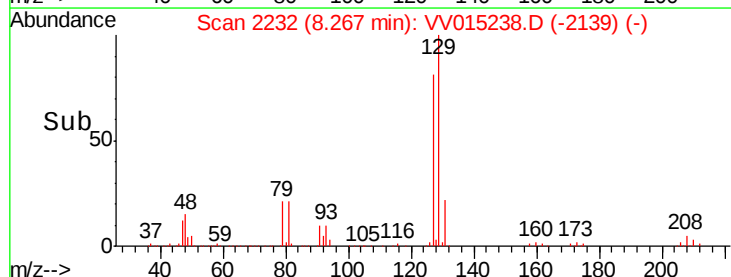


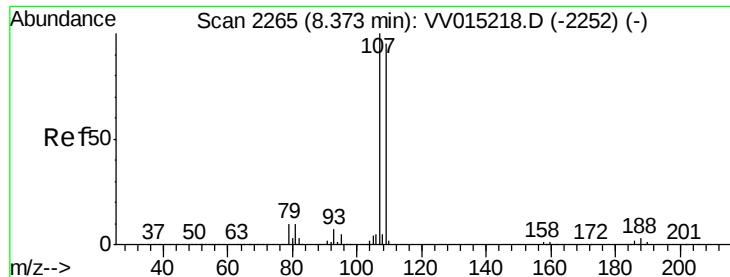
#49
Dibromochloromethane
Concen: 50.652 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Tgt Ion: 129 Resp: 238346
Ion Ratio Lower Upper
129 100
127 78.6 54.0 100.2



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

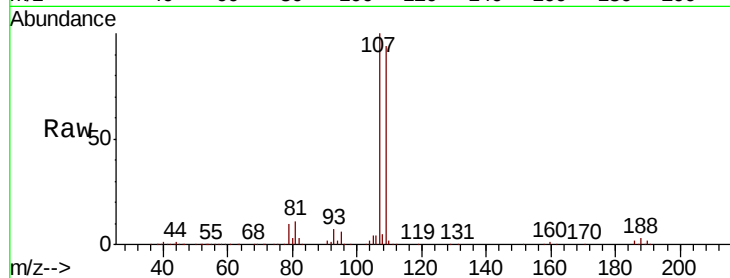




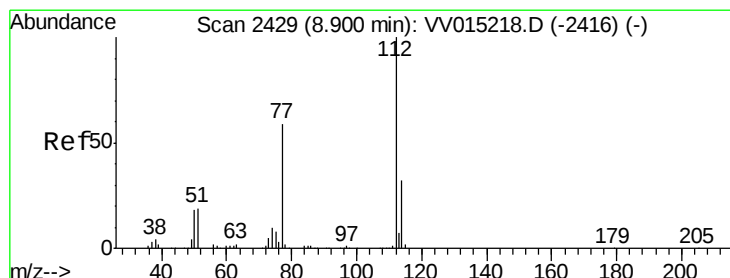
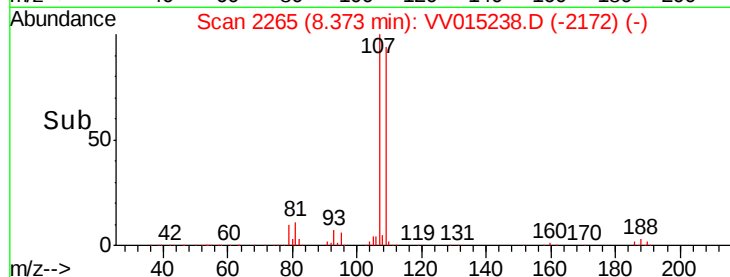
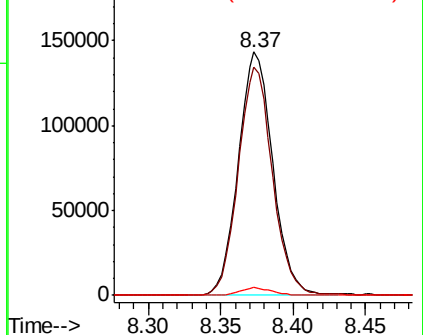
#50
 1,2-Dibromoethane
 Concen: 51.169 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.1	120.9
188	3.1	2.3	3.5

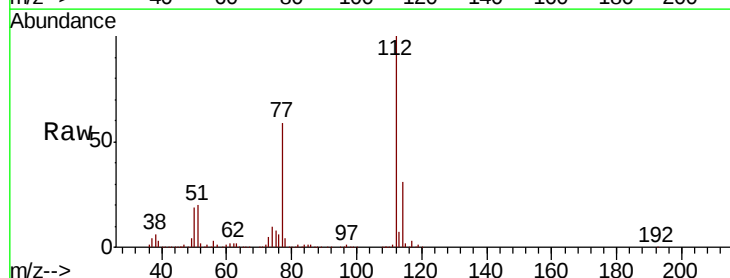


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

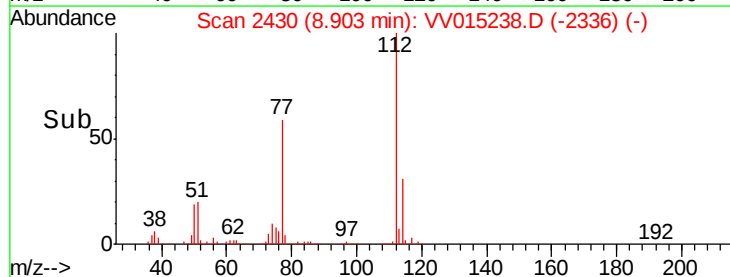
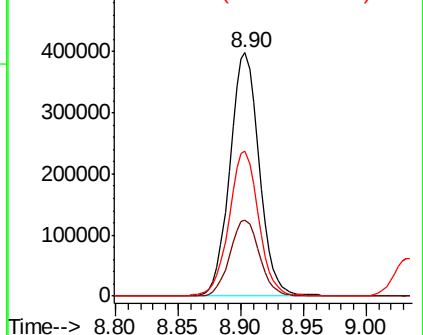


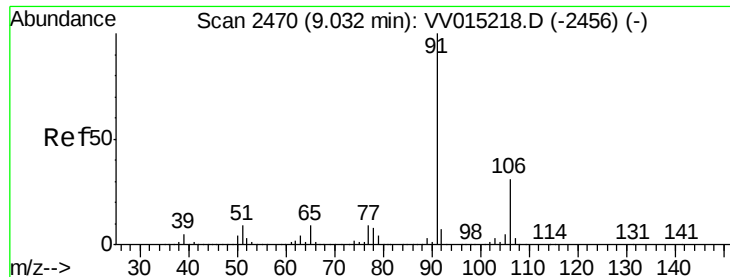
#51
 Chlorobenzene
 Concen: 52.420 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.3	41.5
77	59.4	48.2	72.2



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 52.701 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

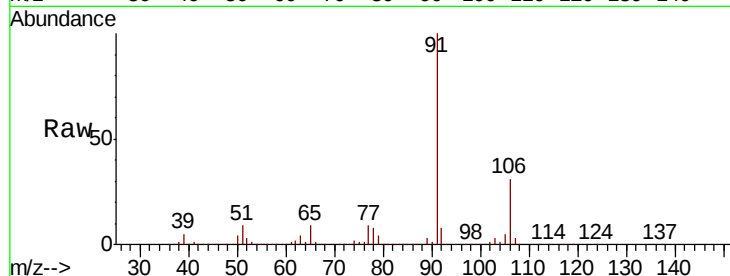
ClientSampleId :

Tot Ion: 91 Resp: 1129917

Ion Ratio Lower Upper

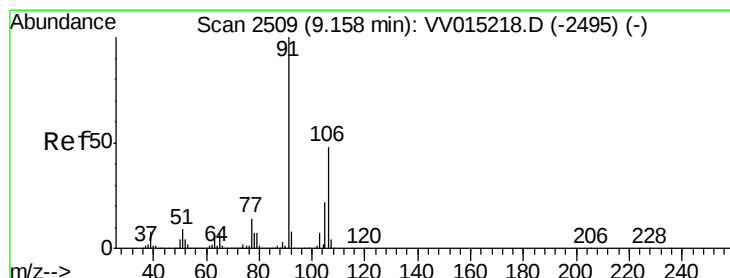
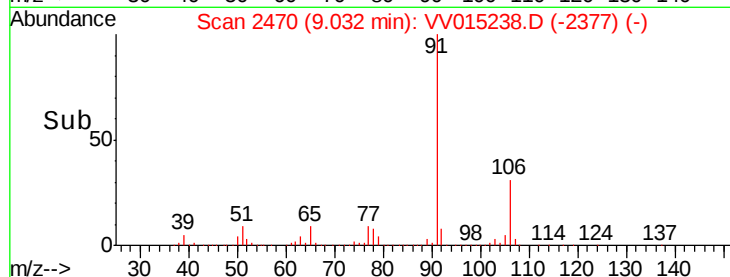
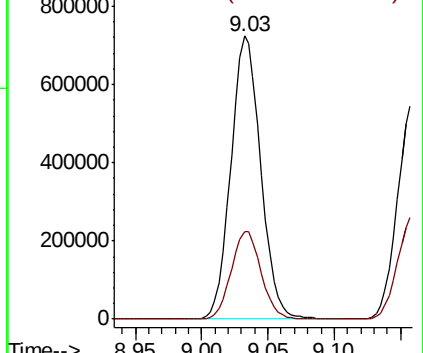
91 100

106 31.1 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 52.244 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015238.D

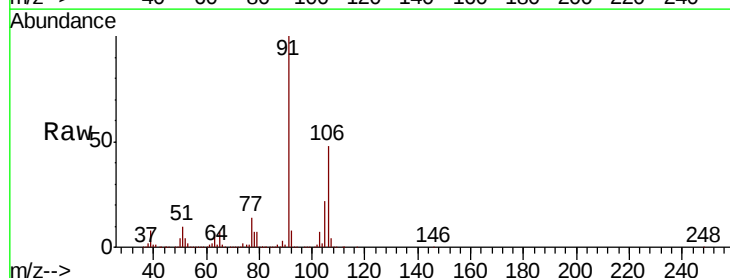
Acq: 28 Mar 2020 10:27

Tgt Ion: 106 Resp: 430929

Ion Ratio Lower Upper

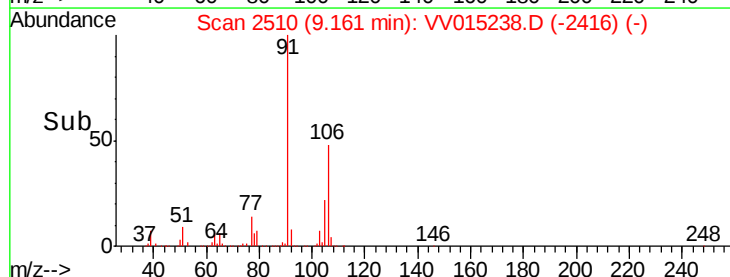
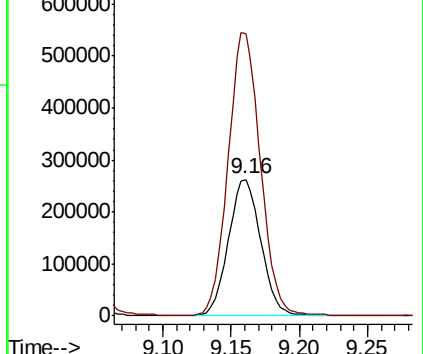
106 100

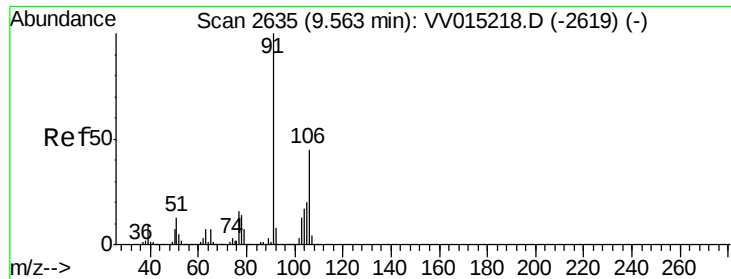
91 207.0 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

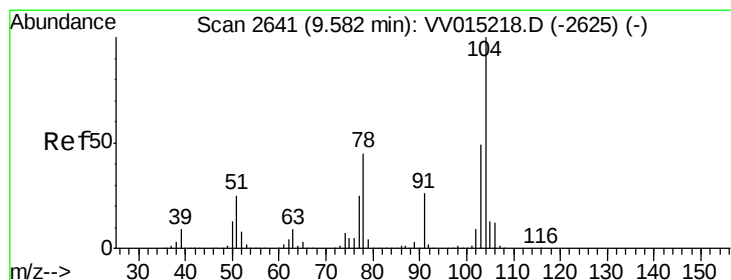
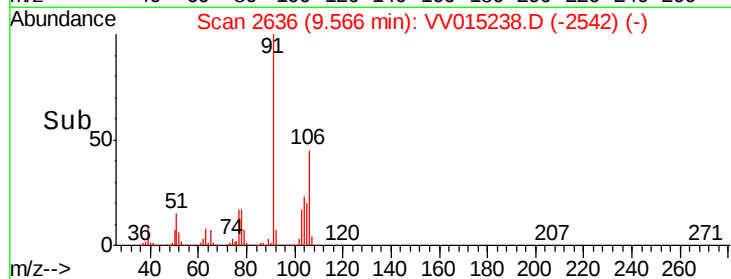
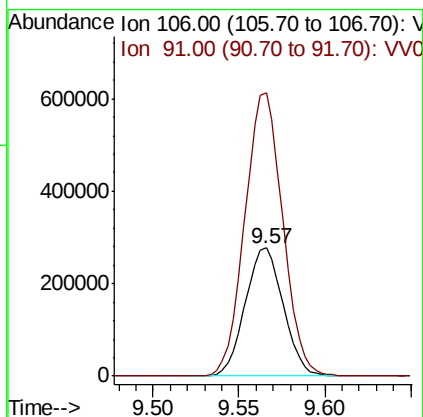
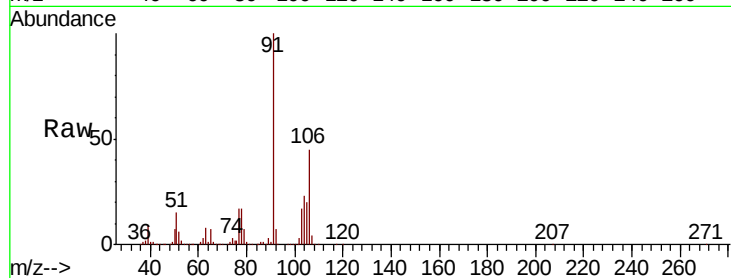




#54
o-xylene
Concen: 51.924 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

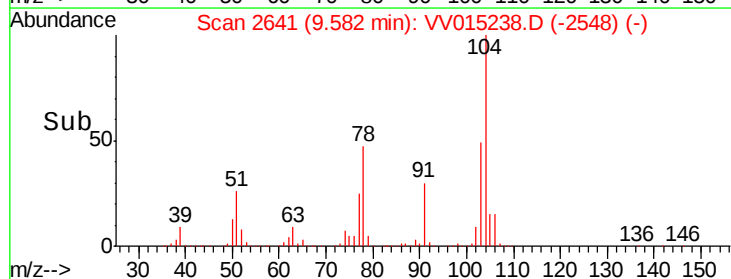
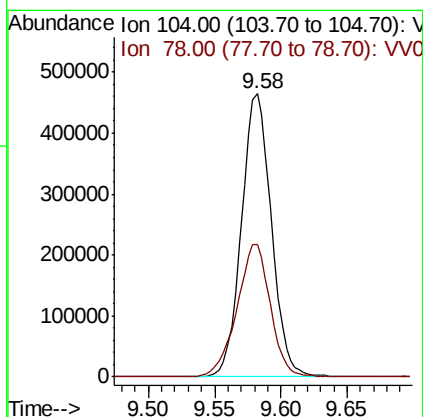
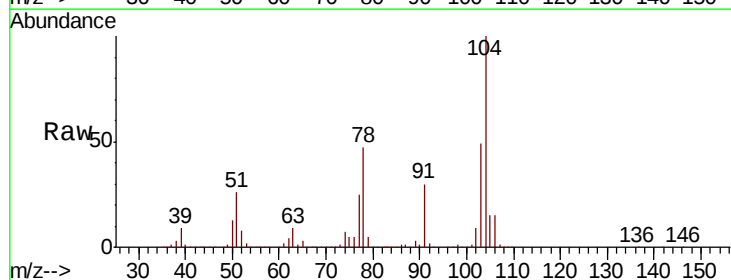
Instrument :
MSVOA_V
ClientSampled :

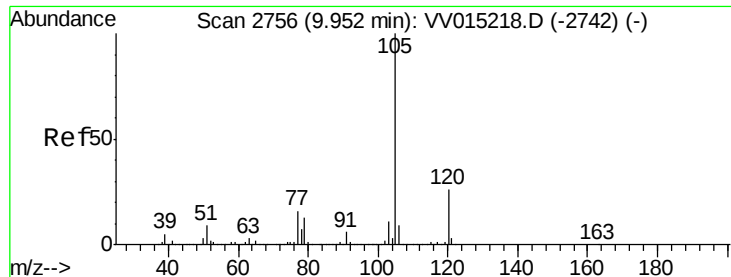
Tot Ion:106 Resp: 426601
Ion Ratio Lower Upper
106 100
91 221.2 155.5 288.7



#55
Styrene
Concen: 52.709 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015238.D
Acq: 28 Mar 2020 10:27

Tgt Ion:104 Resp: 729689
Ion Ratio Lower Upper
104 100
78 46.7 33.0 61.2





#56

Isopropylbenzene

Concen: 53.710 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

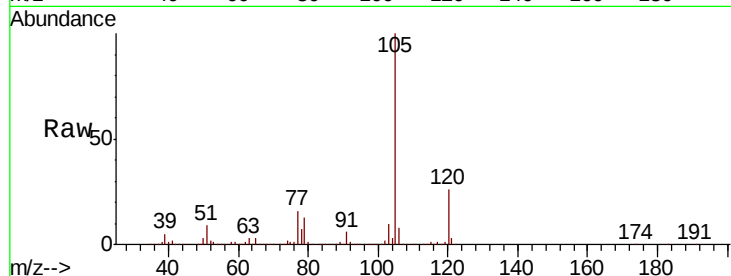
Tot Ion:105 Resp: 1132176

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.0

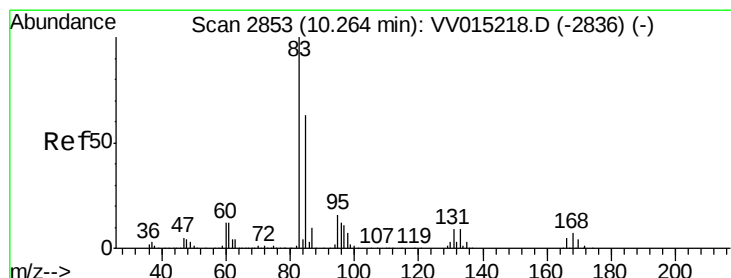
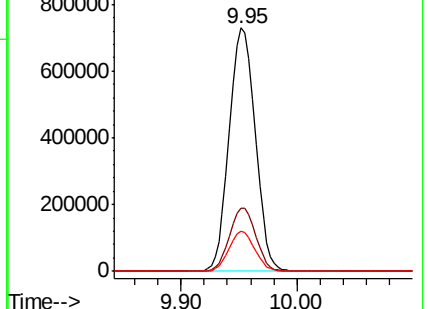
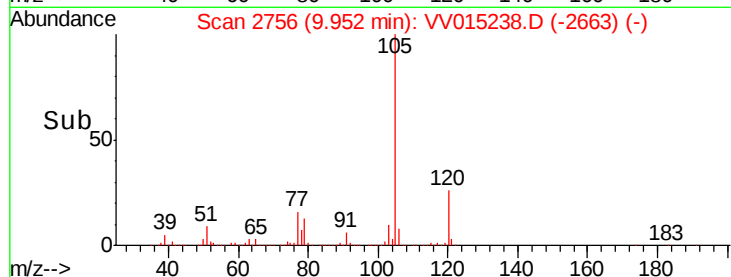
77 16.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.429 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

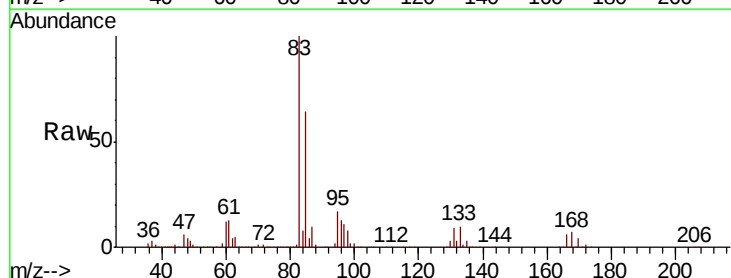
Tgt Ion: 83 Resp: 367363

Ion Ratio Lower Upper

83 100

85 63.5 43.6 81.0

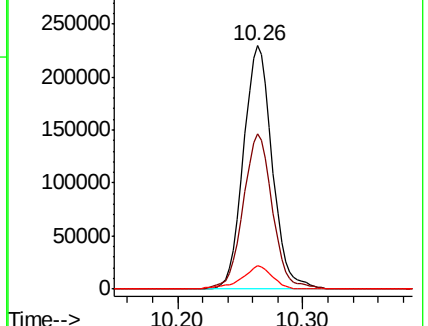
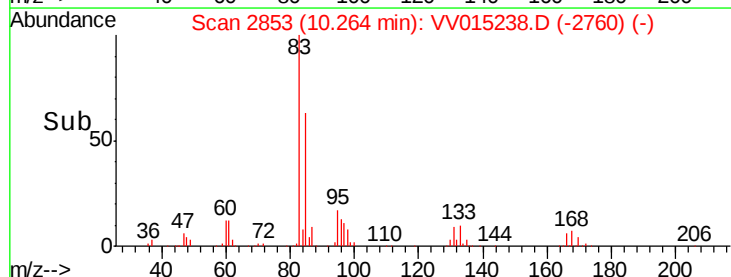
131 9.4 7.8 11.6

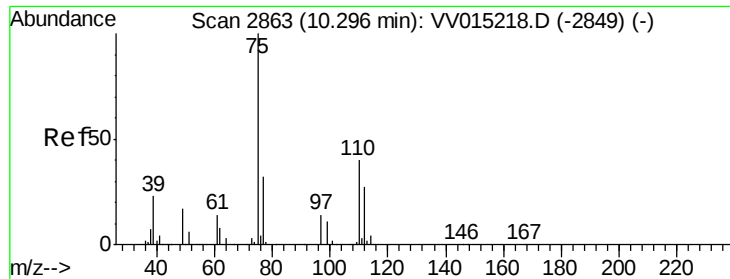


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.532 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

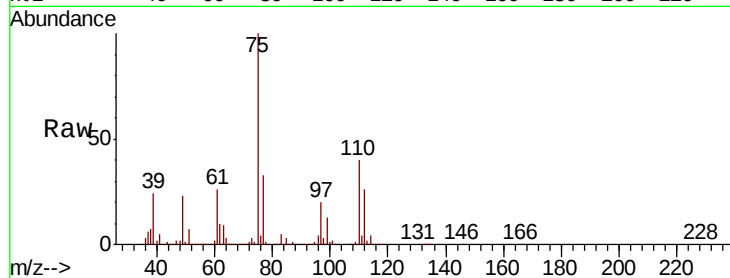
ClientSampleId :

Tot Ion: 75 Resp: 294094

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015218.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV015218.D (-2849) (-)

10.30

200000

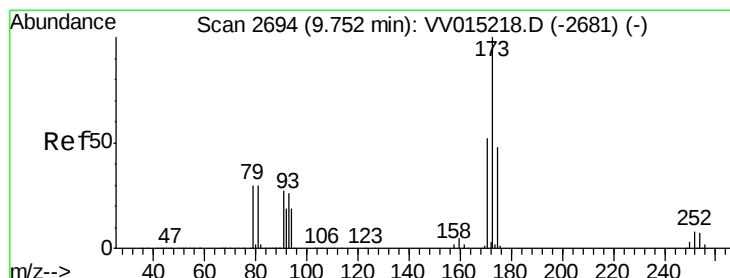
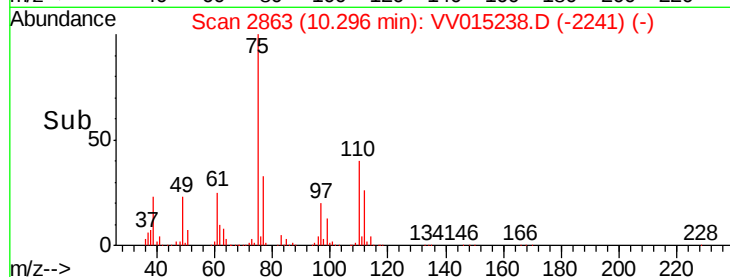
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.038 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

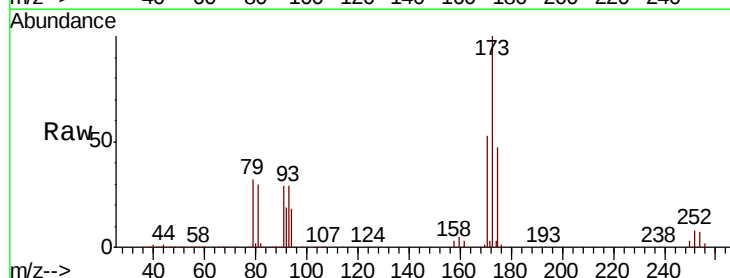
Tgt Ion: 173 Resp: 148056

Ion Ratio Lower Upper

173 100

175 47.2 37.6 56.4

254 7.3 5.5 8.3



Abundance Ion 173.00 (172.70 to 173.70): VV015218.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV015218.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV015218.D (-2681) (-)

9.75

120000

100000

80000

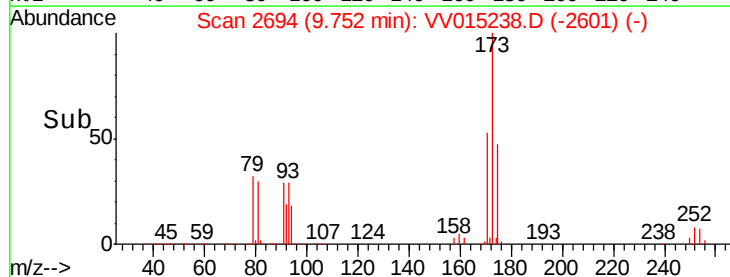
60000

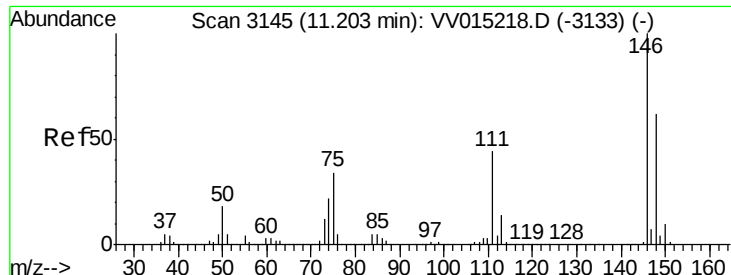
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 51.680 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

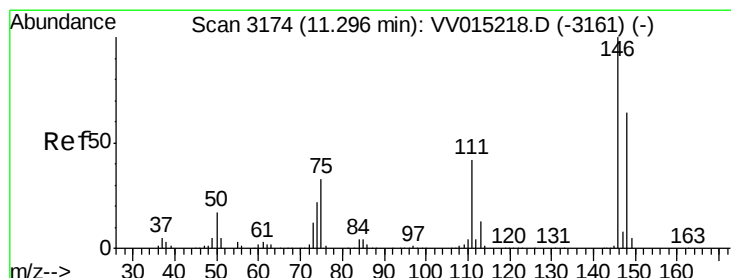
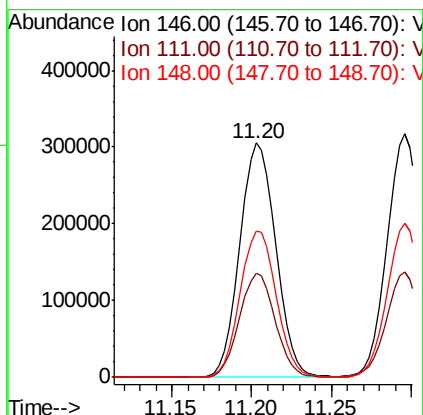
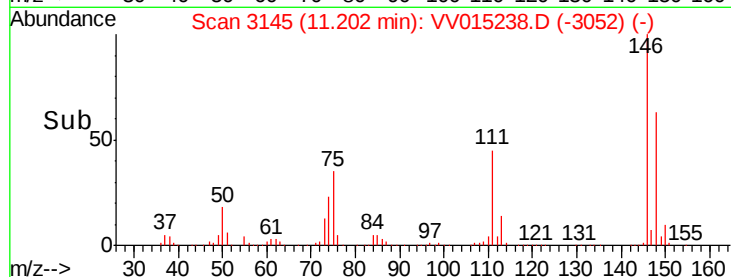
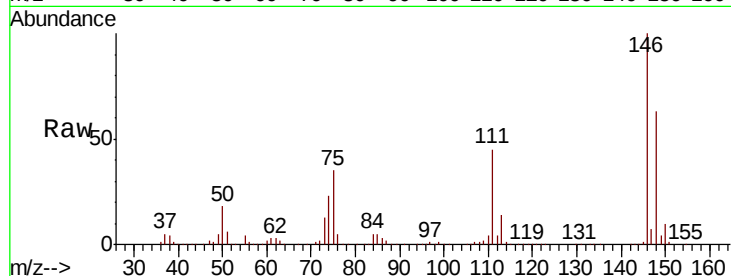
Tot Ion:146 Resp: 470355

Ion Ratio Lower Upper

146 100

111 44.6 32.1 59.7

148 62.6 44.0 81.6



#63

1,4-Dichlorobenzene

Concen: 52.514 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

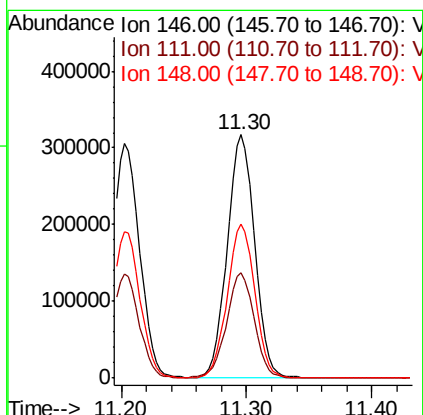
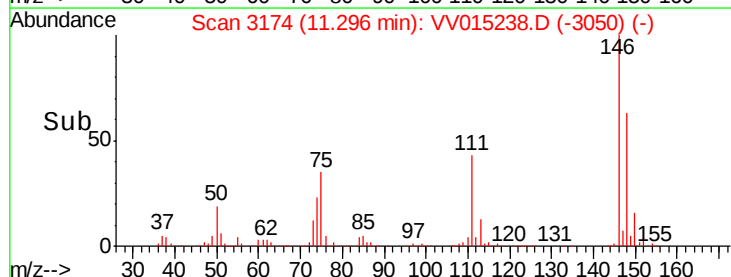
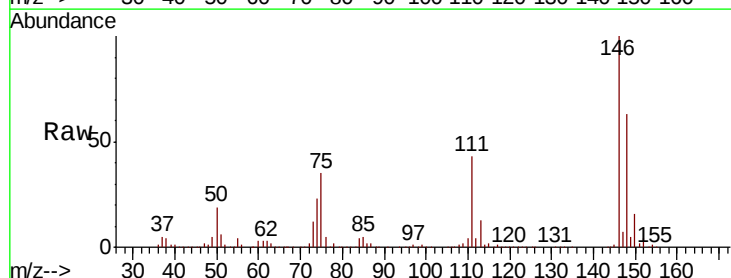
Tgt Ion:146 Resp: 480335

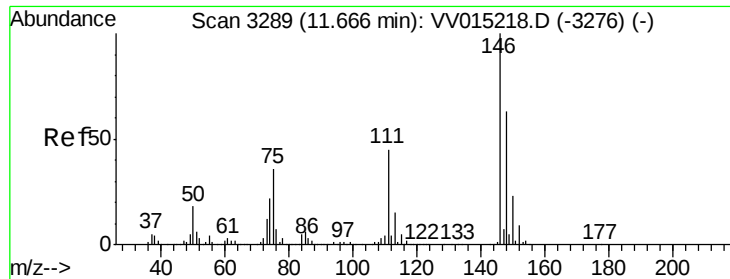
Ion Ratio Lower Upper

146 100

111 43.5 29.4 54.6

148 63.3 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 51.735 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

ClientSampled :

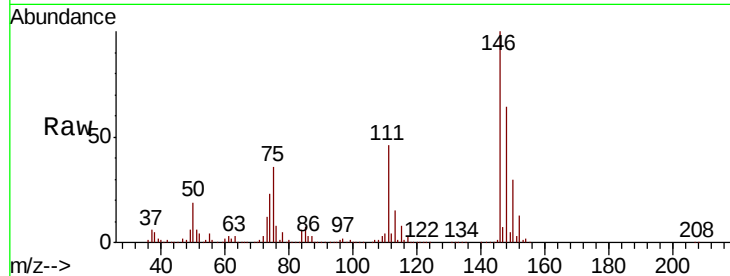
Tot Ion:146 Resp: 482715

Ion Ratio Lower Upper

146 100

111 46.1 37.6 56.4

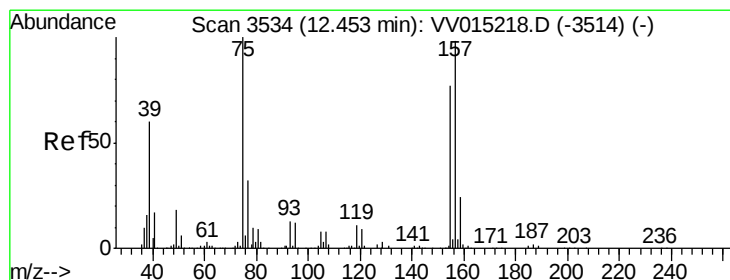
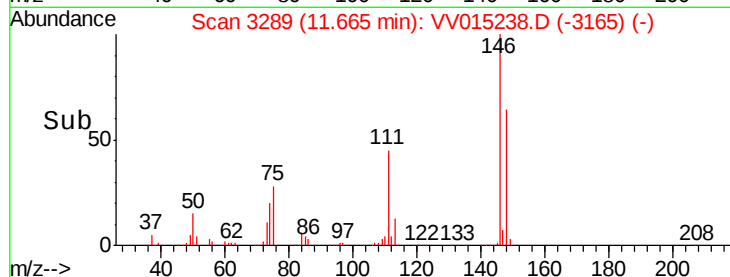
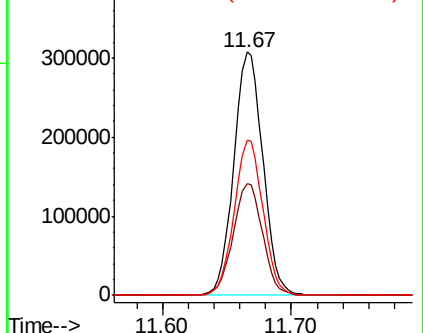
148 63.6 50.6 76.0



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: 50.605 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

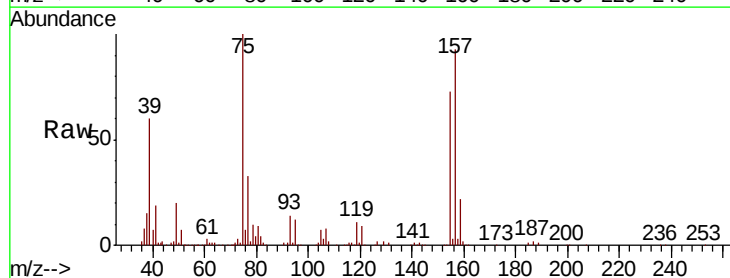
Tgt Ion: 75 Resp: 98424

Ion Ratio Lower Upper

75 100

155 73.3 59.1 88.7

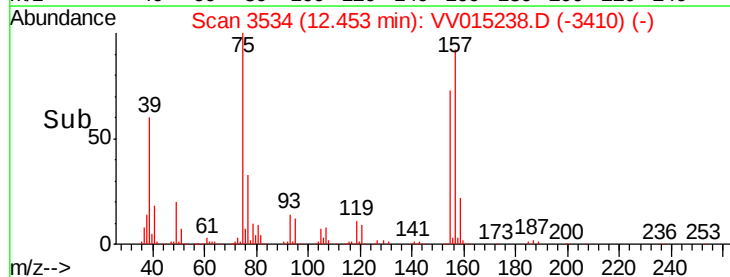
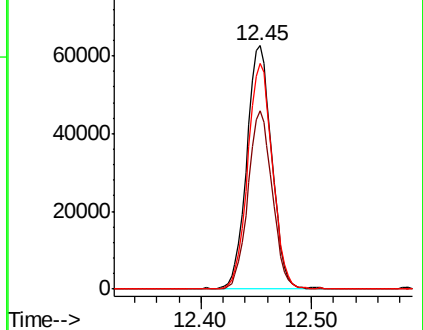
157 92.5 78.9 118.3

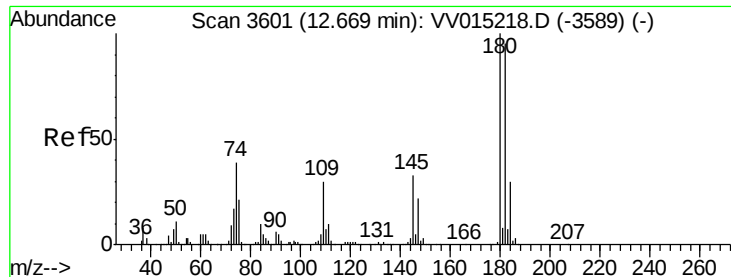


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

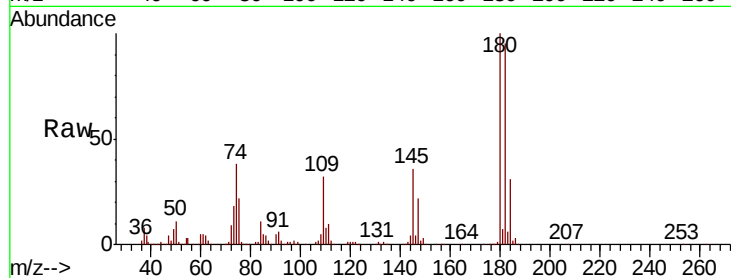




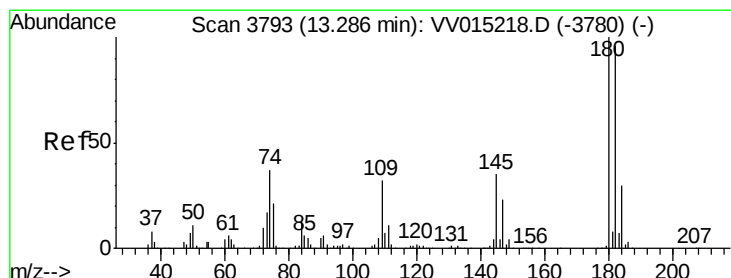
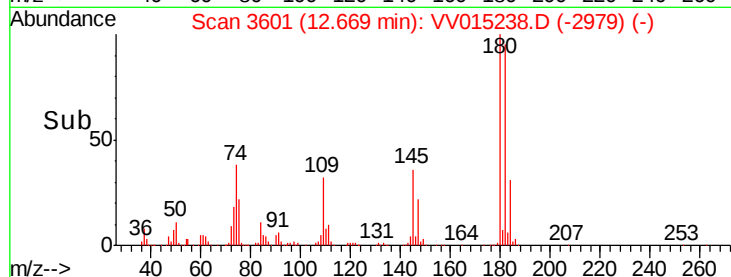
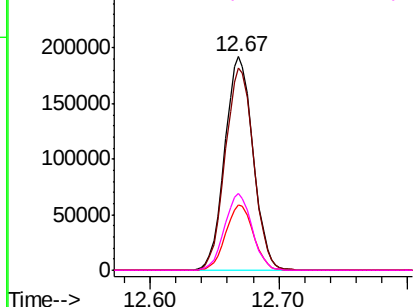
#67
 1,3,5-Trichlorobenzene
 Concen: 50.459 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	291539
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.4	113.0
184	30.2	23.8	35.8
145	35.0	26.9	40.3

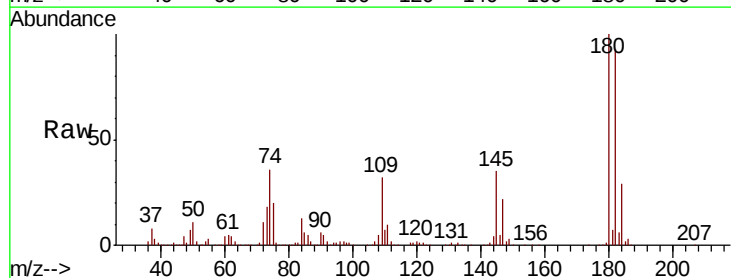


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

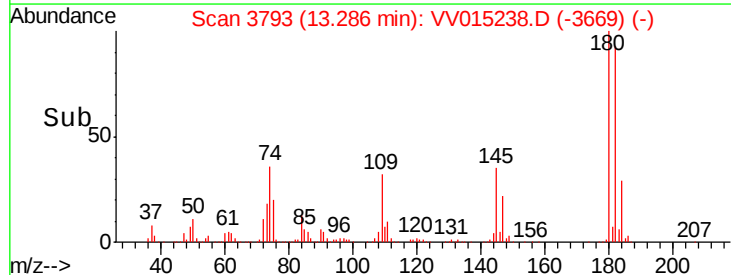
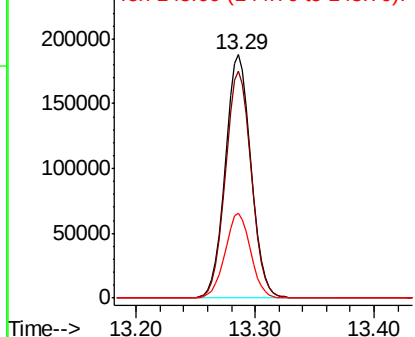


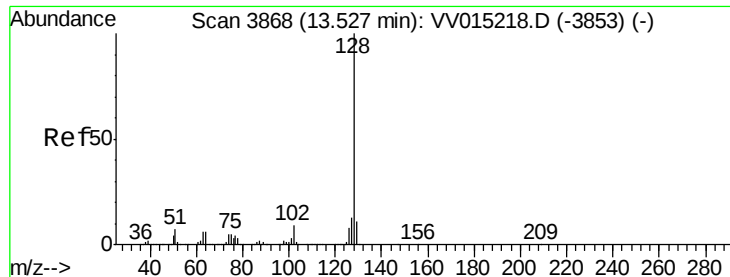
#68
 1,2,4-trichlorobenzene
 Concen: 52.288 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015238.D
 Acq: 28 Mar 2020 10:27

Tgt Ion:	180	Resp:	280971
Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.5	113.3
145	34.5	28.5	42.7



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: 51.381 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

Instrument :

MSVOA_V

ClientSampleId :

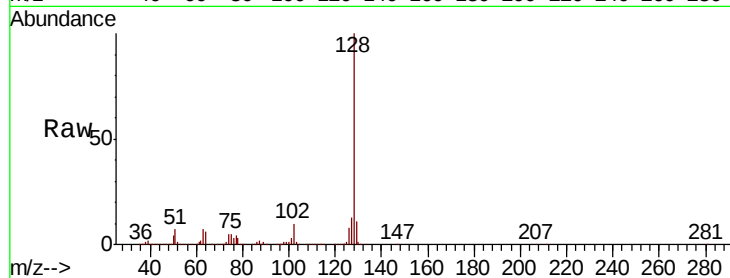
Tot Ion:128 Resp: 1113014

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

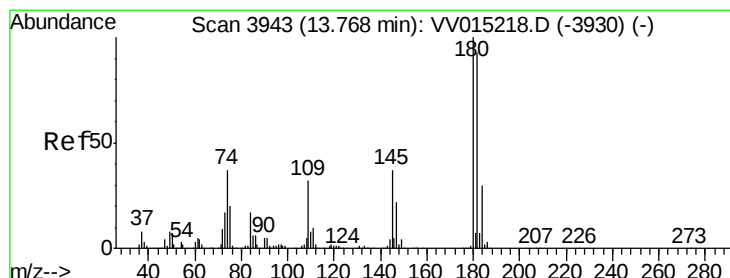
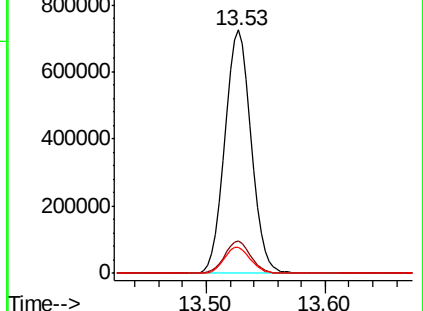
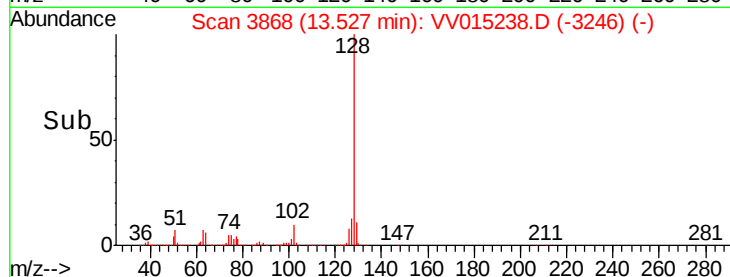
129 10.8 8.6 12.8



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: 51.221 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015238.D

Acq: 28 Mar 2020 10:27

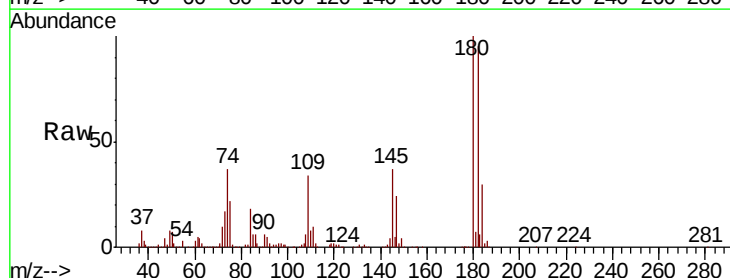
Tgt Ion:180 Resp: 282238

Ion Ratio Lower Upper

180 100

182 95.8 75.9 113.9

145 37.0 29.0 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

