

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032320\
 Data File : VV015109.D
 Acq On : 24 Mar 2020 01:11
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 02:53:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 02:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	740974	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	701641	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	328869	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	340319	49.72	ug/L	0.00
7) Chloroethane-d5	1.58	69	283857	49.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	574624	50.29	ug/L	0.00
21) 2-Butanone-d5	3.93	46	457362	102.56	ug/L	0.00
24) Chloroform-d	4.38	84	523053	50.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	331253	50.29	ug/L	0.00
32) Benzene-d6	5.08	84	1049340	49.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	340832	49.01	ug/L	0.00
41) Toluene-d8	7.34	98	977570	49.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	180706	49.20	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	344933	98.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	476955	48.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	361232	49.19	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	280529	49.899	ug/L	99
3) Chloromethane	1.25	50	367044	49.317	ug/L	100
5) Vinyl chloride	1.32	62	348894	49.388	ug/L	99
6) Bromomethane	1.53	94	223332	51.692	ug/L	98
8) Chloroethane	1.60	64	257551	47.481	ug/L	99
9) Trichlorofluoromethane	1.76	101	453223	50.904	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	224850	50.392	ug/L	99
12) 1,1-Dichloroethene	2.13	96	230434	48.002	ug/L	97
13) Acetone	2.22	43	289840	82.967	ug/L	97
14) Carbon disulfide	2.31	76	622652	50.489	ug/L	100
15) Methyl Acetate	2.46	43	325770	52.175	ug/L	100
16) Methylene chloride	2.52	84	282386	49.710	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	241680	50.684	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	913607	50.175	ug/L	99
19) 1,1-Dichloroethane	3.21	63	484610	49.781	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	284017	50.457	ug/L	97
22) 2-Butanone	4.02	43	457817	93.946	ug/L	97
23) Bromochloromethane	4.28	128	140458	50.215	ug/L	99
25) Chloroform	4.41	83	481977	49.704	ug/L	100
27) 1,2-Dichloroethane	5.16	62	381072	49.342	ug/L	99
29) Cyclohexane	4.70	56	387924	49.671	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	405501	49.355	ug/L	98
31) Carbon tetrachloride	4.86	117	346348	50.001	ug/L	100
33) Benzene	5.13	78	1049280	49.250	ug/L	100
34) Trichloroethene	5.94	95	256574	49.990	ug/L	98
35) Methylcyclohexane	6.15	83	372804	49.220	ug/L	98
37) 1,2-Dichloropropane	6.20	63	280480	48.864	ug/L	100
38) Bromodichloromethane	6.53	83	389804	49.341	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	472931	50.408	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	948926	99.897	ug/L	99

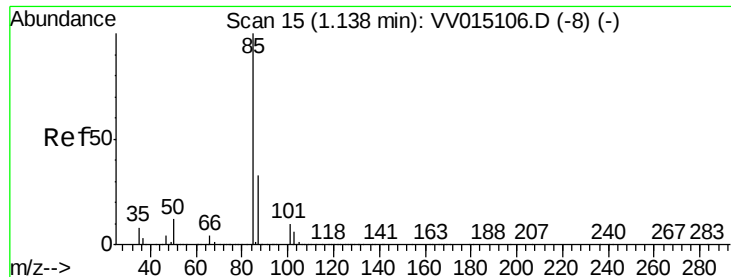
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 QLast Update : Tue Mar 24 02:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1114066	49.085	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	421211	48.787	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	270051	49.312	ug/L	99
46) Tetrachloroethene	8.00	164	179290	50.109	ug/L	96
48) 2-Hexanone	8.16	43	738063	100.974	ug/L	99
49) Dibromochloromethane	8.27	129	314808	49.796	ug/L	98
50) 1,2-Dibromoethane	8.37	107	292839	48.671	ug/L	100
51) Chlorobenzene	8.90	112	717860	49.299	ug/L	100
52) Ethylbenzene	9.03	91	1229680	49.676	ug/L	100
53) m,p-Xylene	9.16	106	463902	49.509	ug/L	99
54) o-xylene	9.57	106	478923	49.476	ug/L	100
55) Styrene	9.58	104	829824	49.570	ug/L	99
56) Isopropylbenzene	9.95	105	1181320	49.444	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	471538	50.076	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	371015	48.755	ug/L	100
61) Bromoform	9.75	173	221594	49.173	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	542970	49.665	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	547711	49.561	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	558835	49.051	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	125074	49.322	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	380134	50.748	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	360731	50.707	ug/L	100
69) Naphthalene	13.52	128	731203	52.021	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	382954	52.253	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 49.899 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

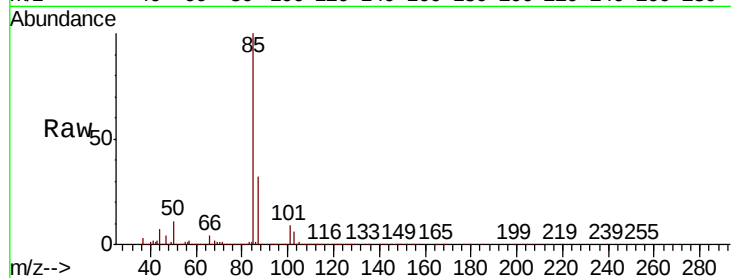
ClientSampled :

Tot Ion: 85 Resp: 280529

Ion Ratio Lower Upper

85 100

87 32.9 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VV015106.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV015109.D (-1) (-)

1.14

300000

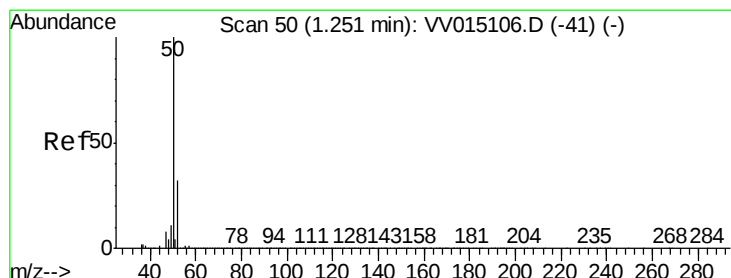
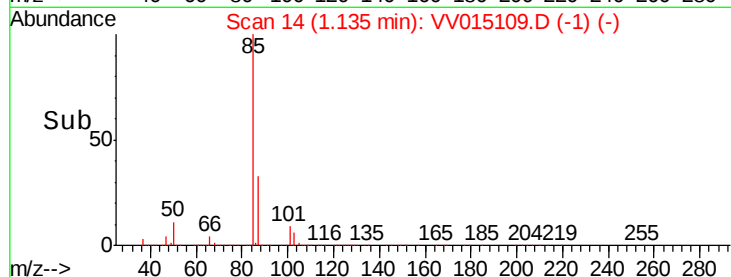
200000

100000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 49.317 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015109.D

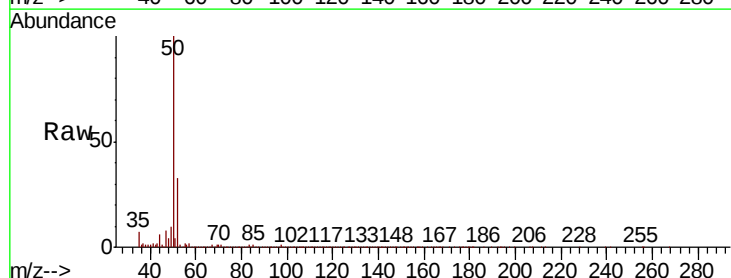
Acq: 24 Mar 2020 01:11

Tgt Ion: 50 Resp: 367044

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV015106.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015109.D (-1) (-)

1.25

400000

300000

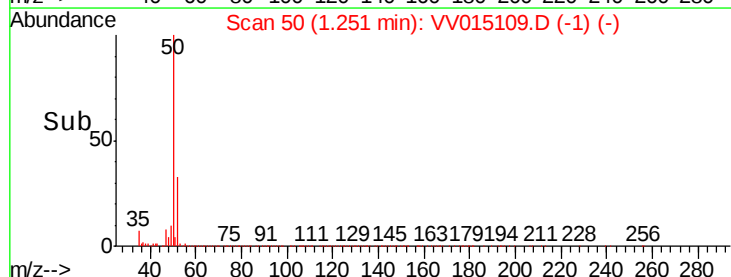
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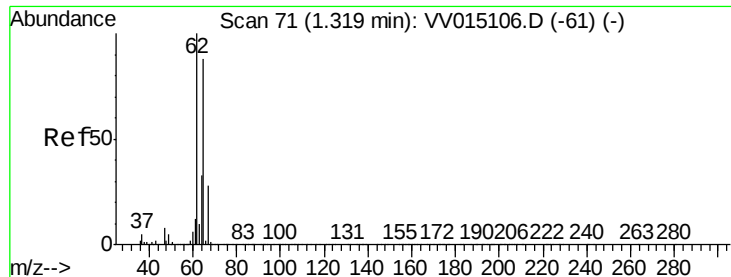
100000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 49.388 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

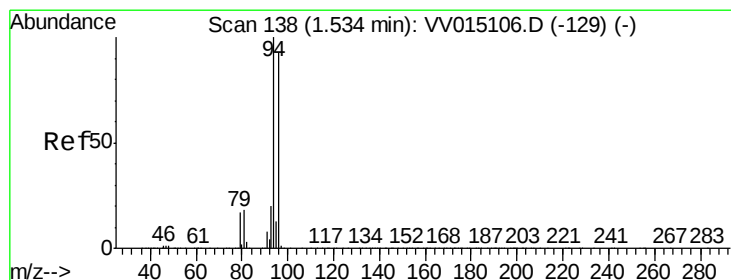
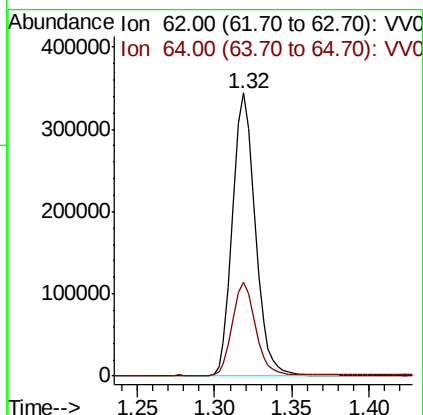
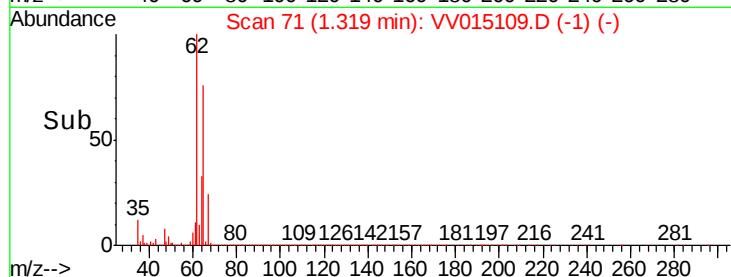
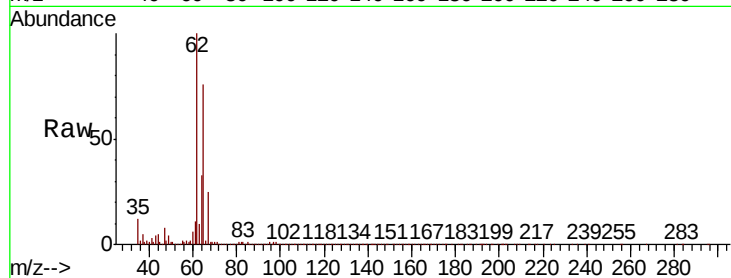
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 348894

Ion Ratio Lower Upper

62 100

64 33.0 23.6 43.8



#6

Bromomethane

Concen: 51.692 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015109.D

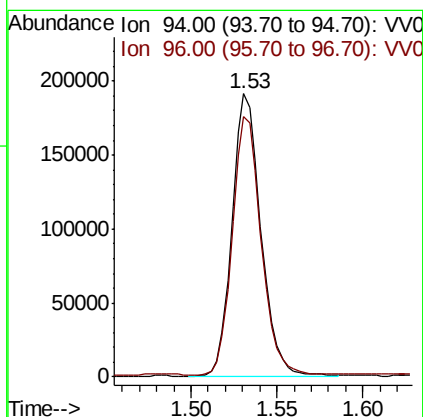
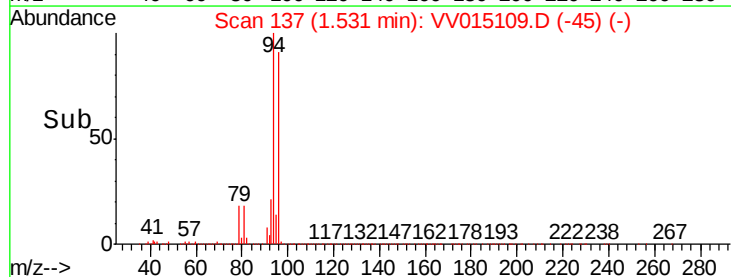
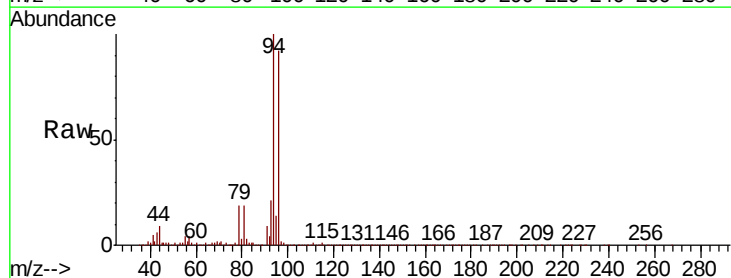
Acq: 24 Mar 2020 01:11

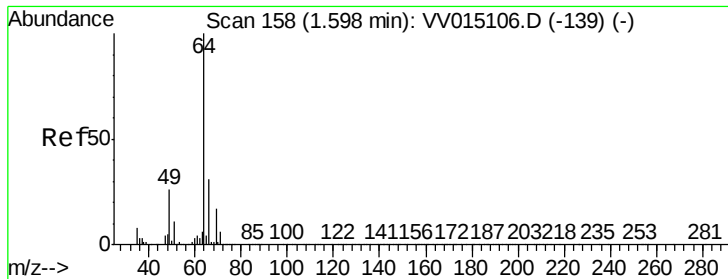
Tgt Ion: 94 Resp: 223332

Ion Ratio Lower Upper

94 100

96 92.0 65.9 122.3





#8

Chloroethane

Concen: 47.481 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

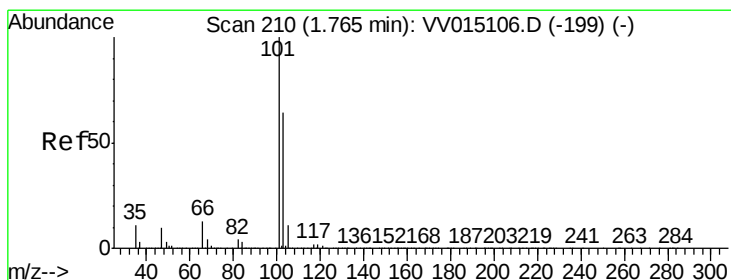
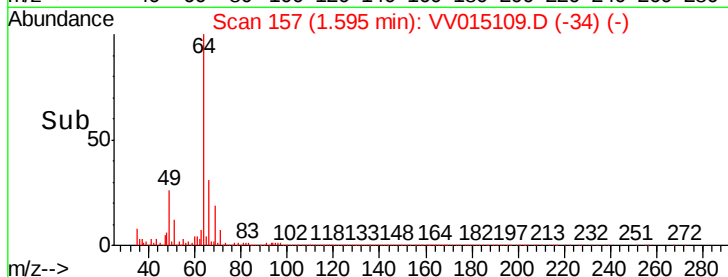
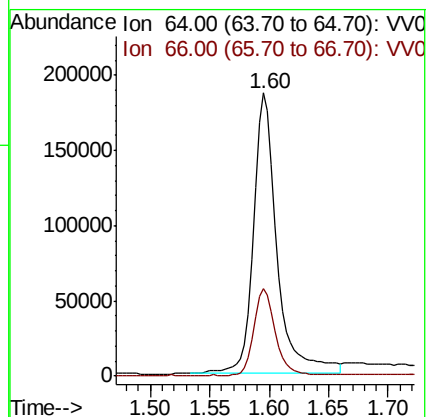
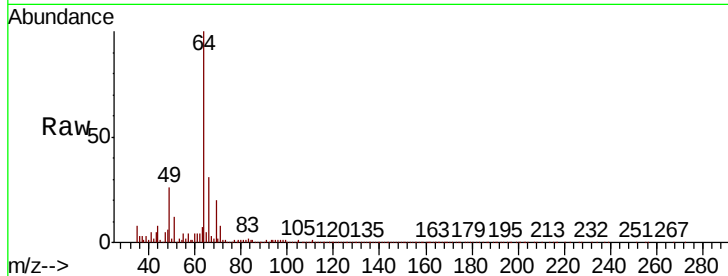
ClientSampleId :

Tot Ion: 64 Resp: 257551

Ion Ratio Lower Upper

64 100

66 31.1 22.0 41.0



#9

Trichlorofluoromethane

Concen: 50.904 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015109.D

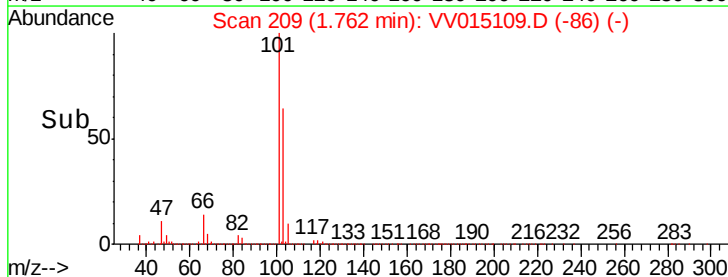
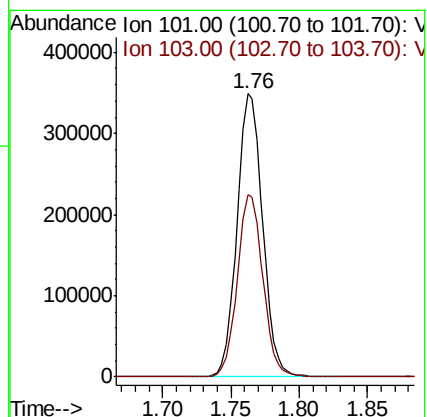
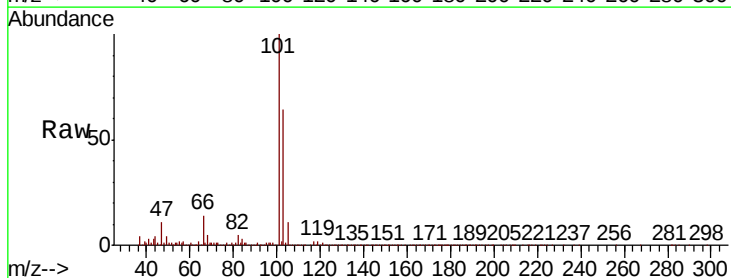
Acq: 24 Mar 2020 01:11

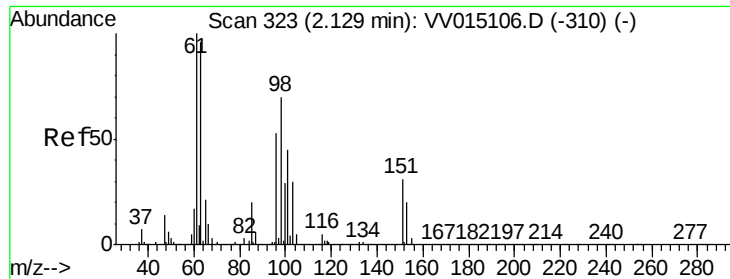
Tgt Ion: 101 Resp: 453223

Ion Ratio Lower Upper

101 100

103 64.3 52.0 78.0





#10

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

Concen: 50.392 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

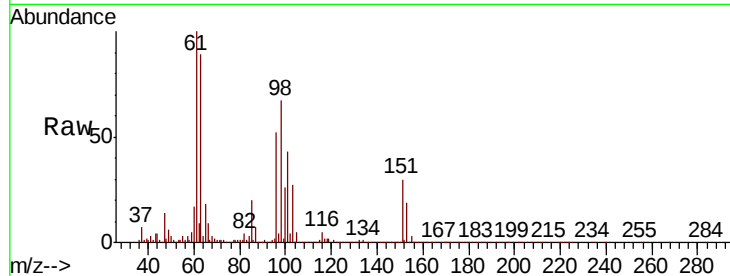
Tot Ion:101 Resp: 224850

Ion Ratio Lower Upper

101 100

85 44.9 37.2 55.8

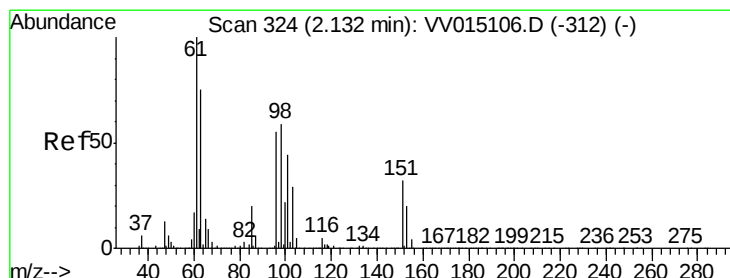
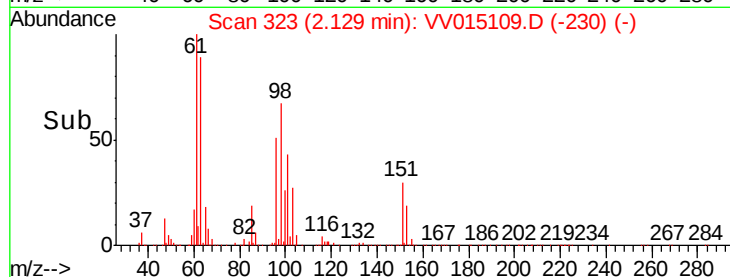
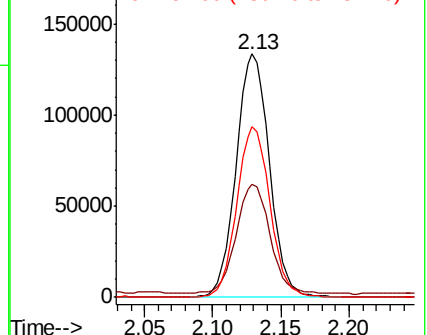
151 70.3 56.3 84.5



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: 48.002 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

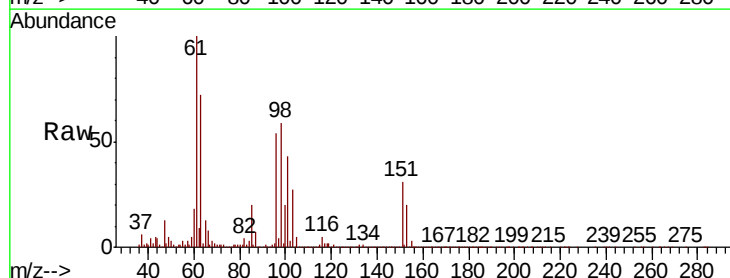
Tgt Ion: 96 Resp: 230434

Ion Ratio Lower Upper

96 100

61 184.8 127.4 236.6

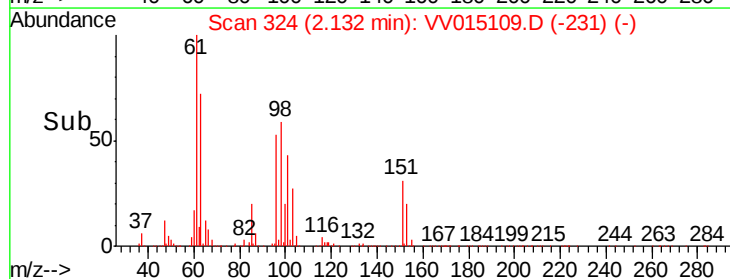
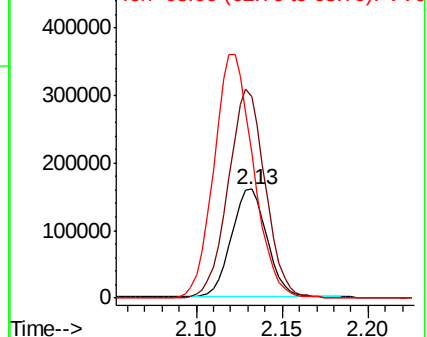
63 132.7 96.6 179.4

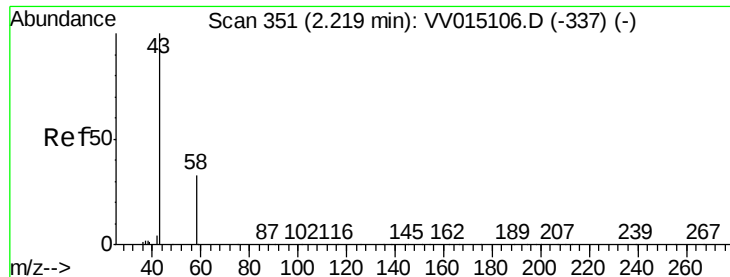


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 82.967 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

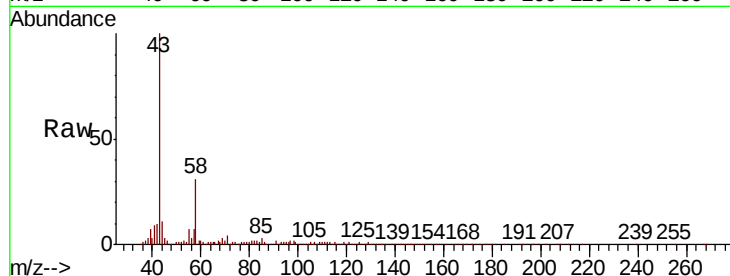
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 289840

Ion Ratio Lower Upper

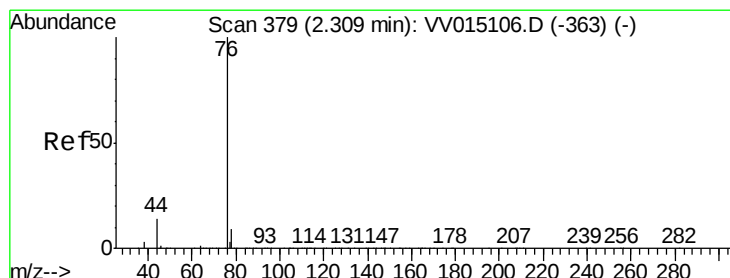
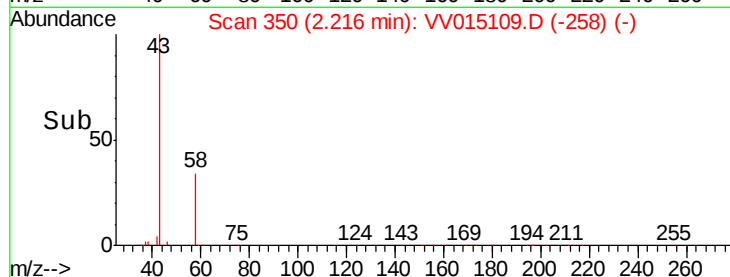
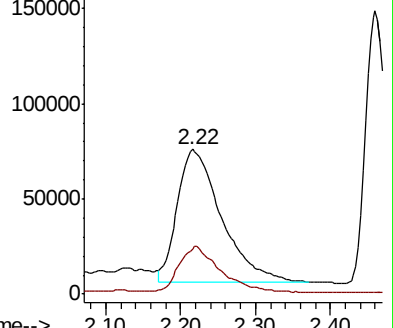
43 100

58 30.4 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VV015106.D (-337) (-)

Ion 58.00 (57.70 to 58.70): VV015106.D (-337) (-)



#14

Carbon disulfide

Concen: 50.489 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015109.D

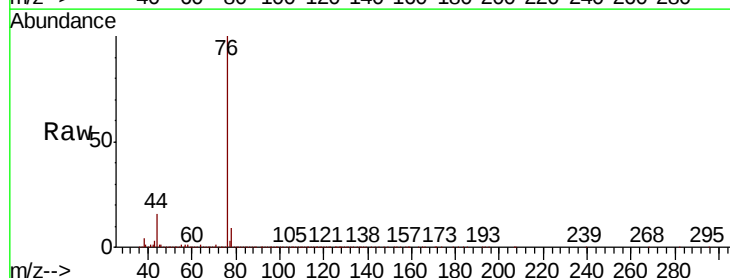
Acq: 24 Mar 2020 01:11

Tgt Ion: 76 Resp: 622652

Ion Ratio Lower Upper

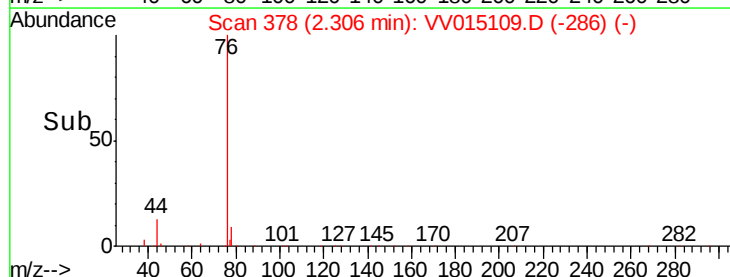
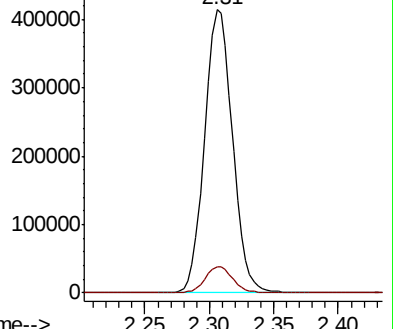
76 100

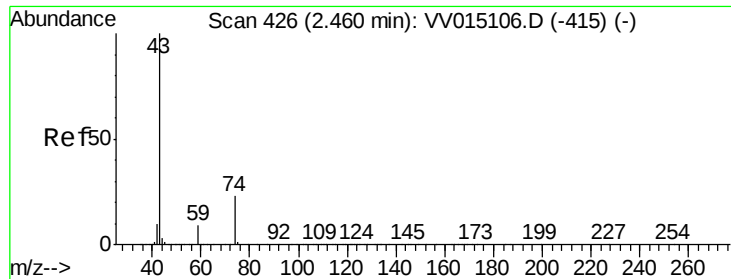
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV015106.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV015106.D (-363) (-)

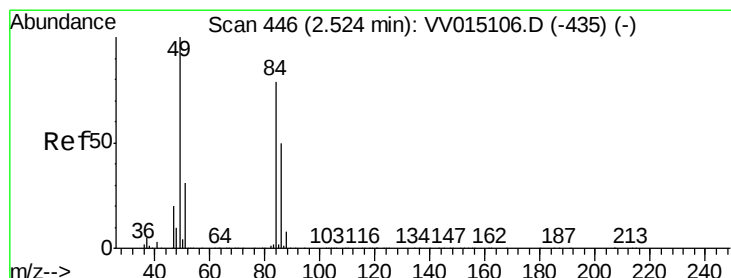
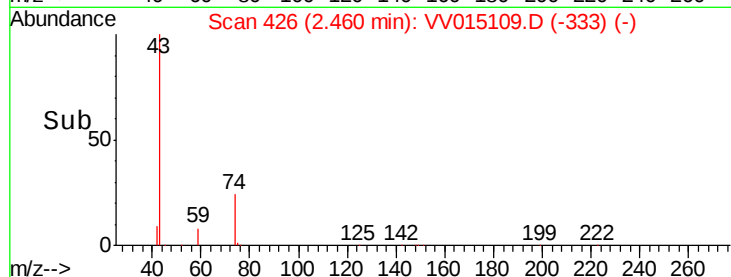
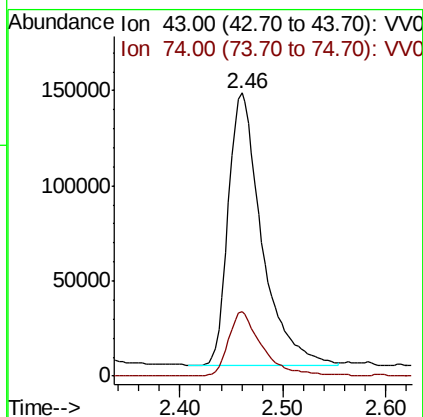
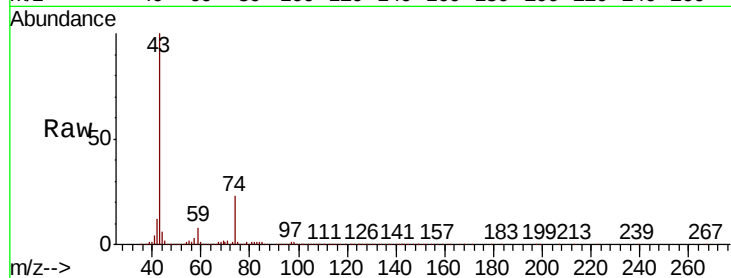




#15
Methvl Acetate
Concen: 52.175 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

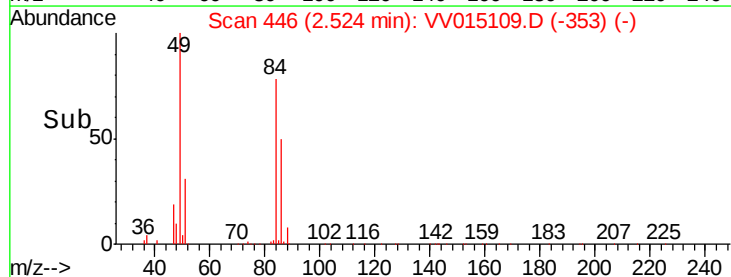
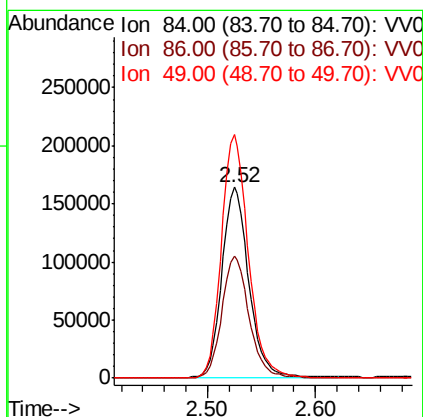
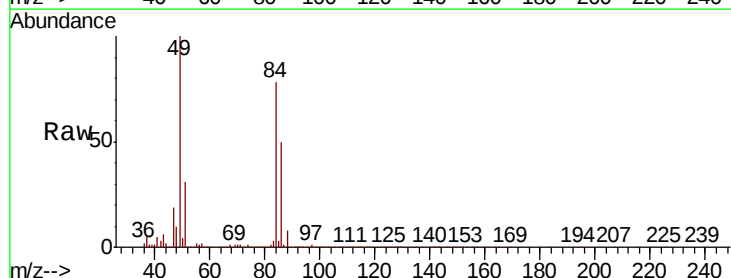
Instrument :
MSVOA_V
ClientSampleId :

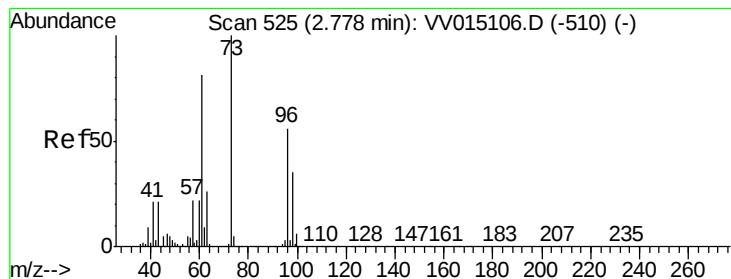
Tot Ion: 43 Resp: 325770
Ion Ratio Lower Upper
43 100
74 23.3 18.8 28.2



#16
Methylene chloride
Concen: 49.710 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion: 84 Resp: 282386
Ion Ratio Lower Upper
84 100
86 63.9 44.6 82.8
49 127.8 88.4 164.2





#17

trans-1,2-Dichloroethene

Concen: 50.684 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :
MSVOA_V
ClientSampleId :

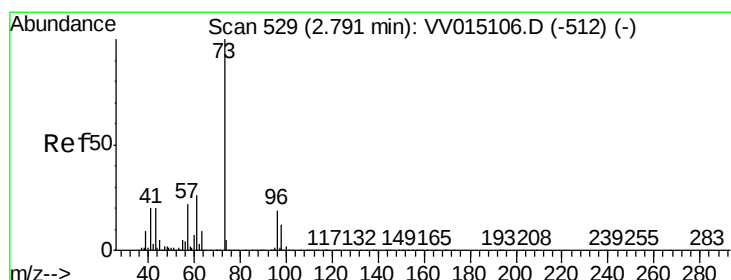
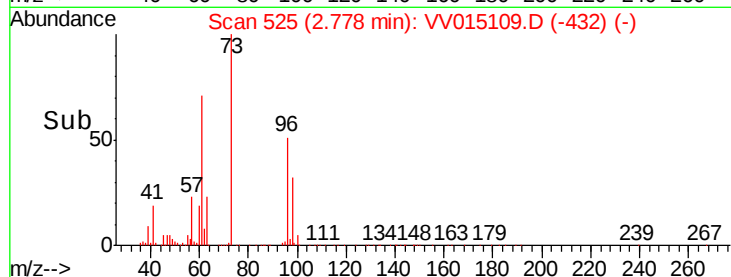
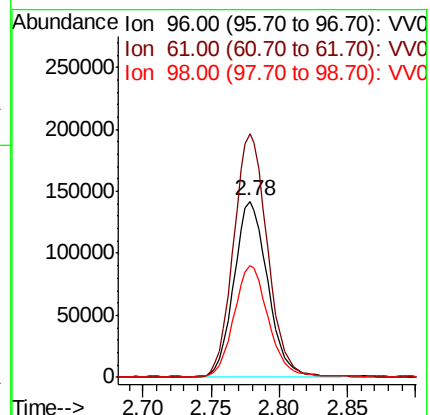
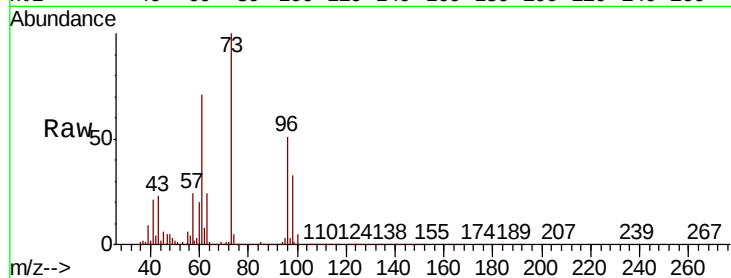
Tot Ion: 96 Resp: 241680

Ion Ratio Lower Upper

96 100

61 138.4 101.7 188.9

98 63.5 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 50.175 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

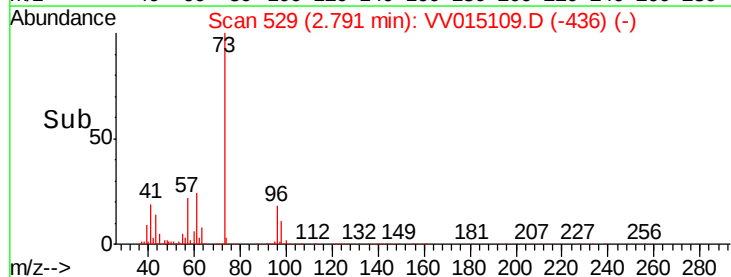
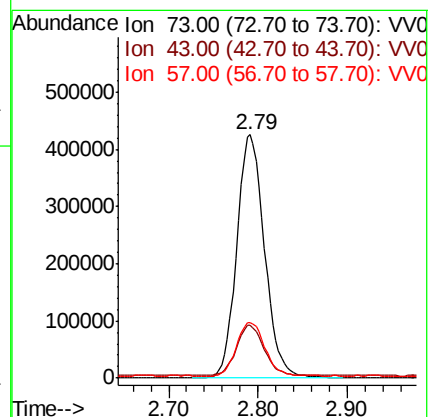
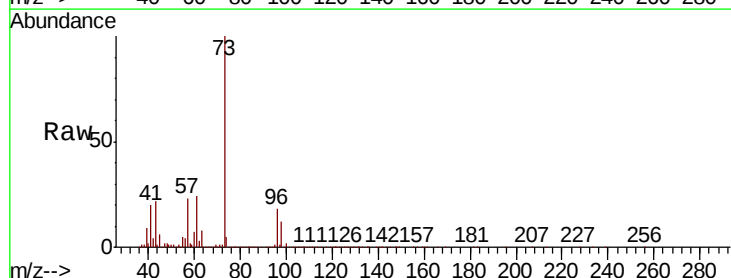
Tgt Ion: 73 Resp: 913607

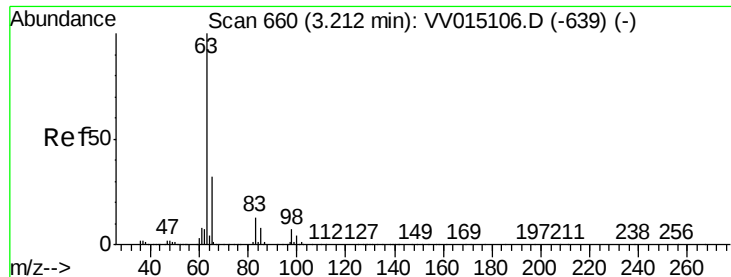
Ion Ratio Lower Upper

73 100

43 20.6 16.7 25.1

57 22.5 17.8 26.8





#19

1,1-Dichloroethane

Concen: 49.781 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

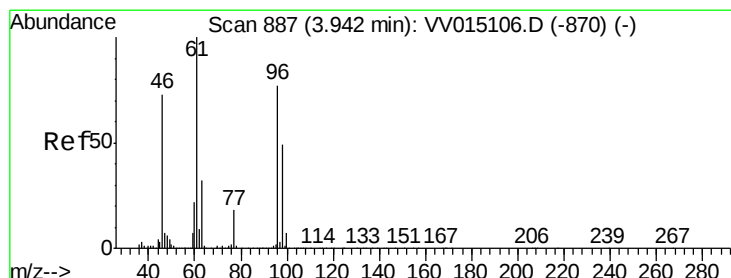
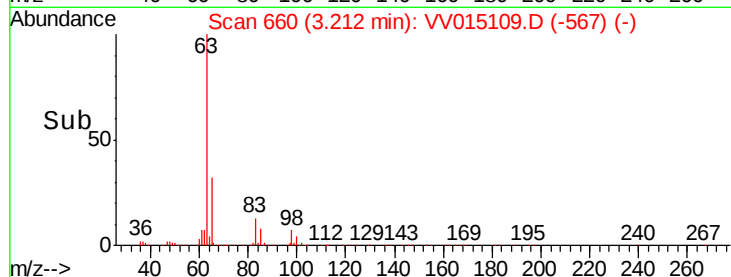
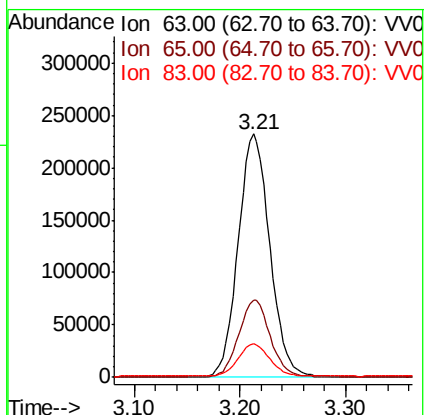
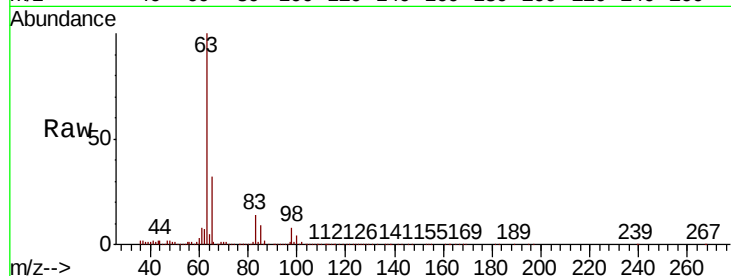
Tot Ion: 63 Resp: 484610

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 13.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 50.457 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

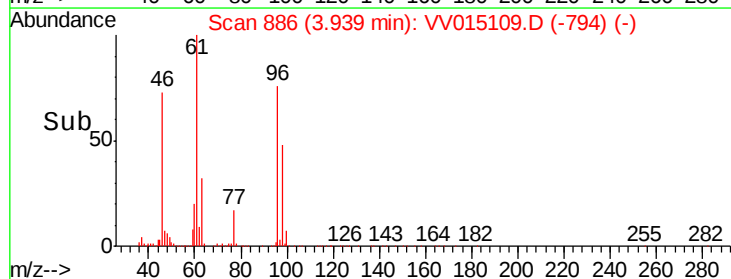
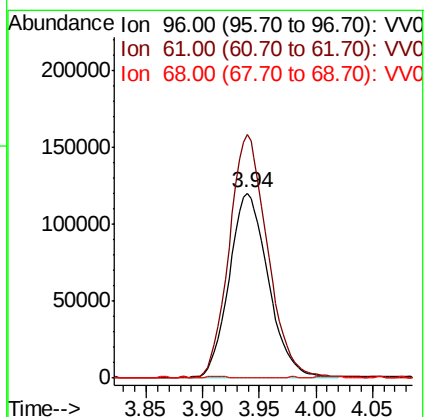
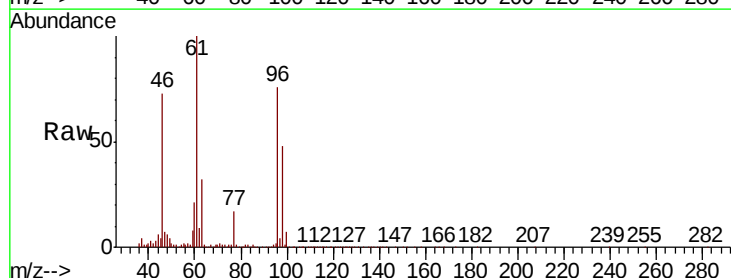
Tgt Ion: 96 Resp: 284017

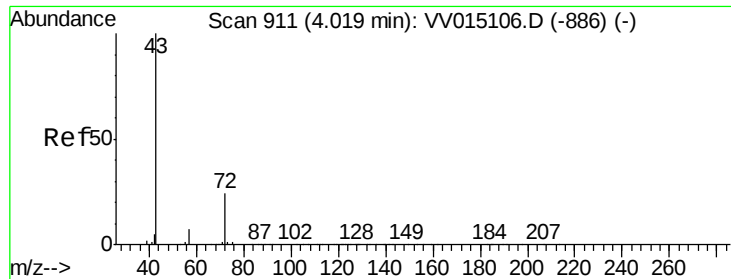
Ion Ratio Lower Upper

96 100

61 131.8 90.2 167.4

68 0.5 0.3 0.7





#22

2-Butanone

Concen: 93.946 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

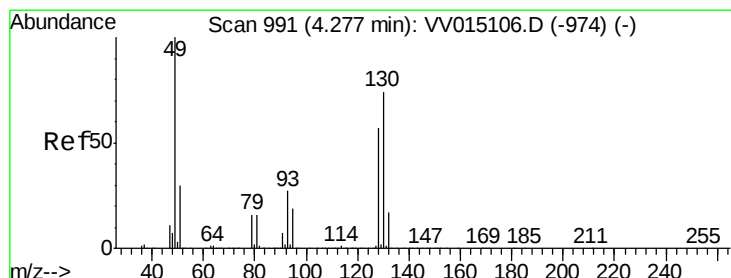
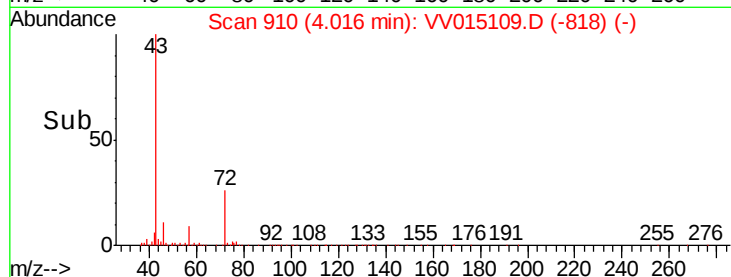
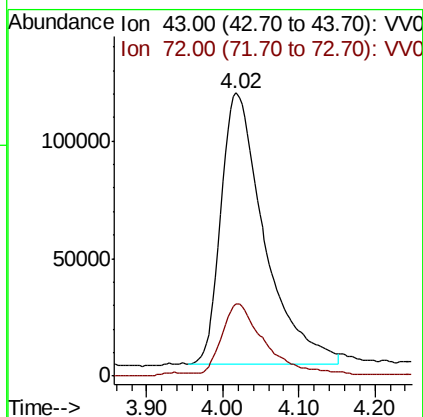
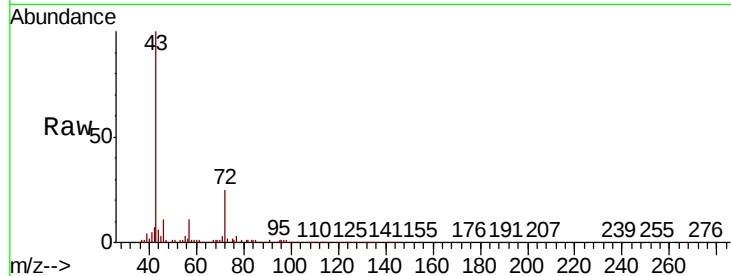
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 457817

Ion Ratio Lower Upper

43 100

72 24.6 11.6 34.8



#23

Bromochloromethane

Concen: 50.215 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Tgt Ion: 128 Resp: 140458

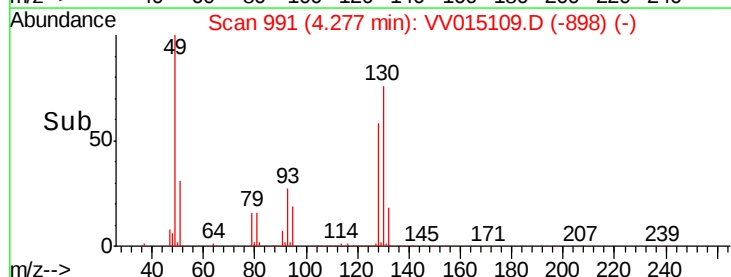
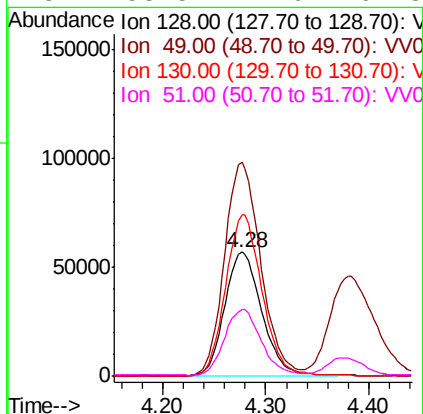
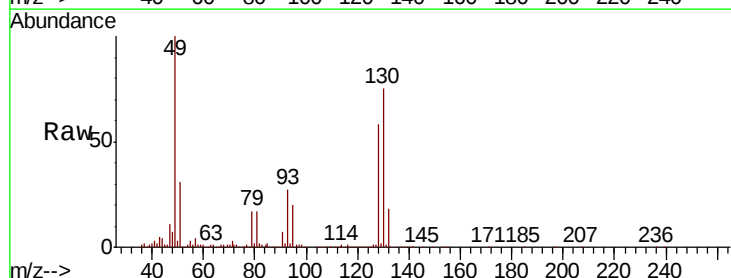
Ion Ratio Lower Upper

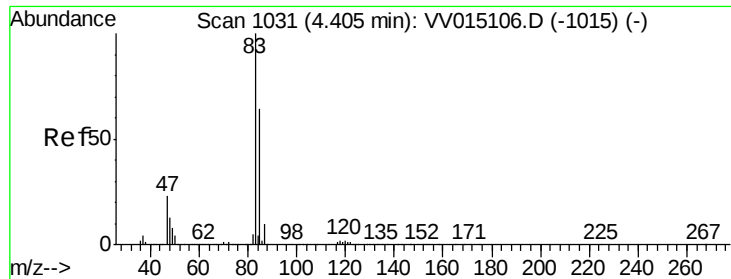
128 100

49 172.8 122.4 227.2

130 130.0 90.5 168.1

51 53.5 42.9 64.3

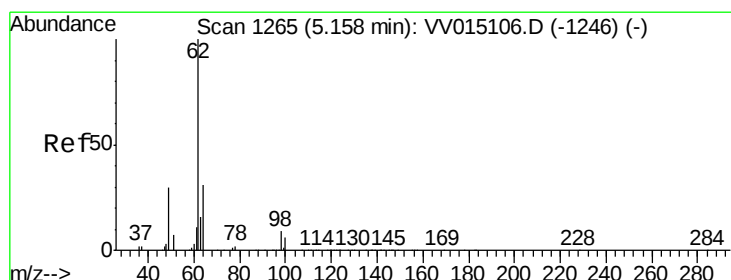
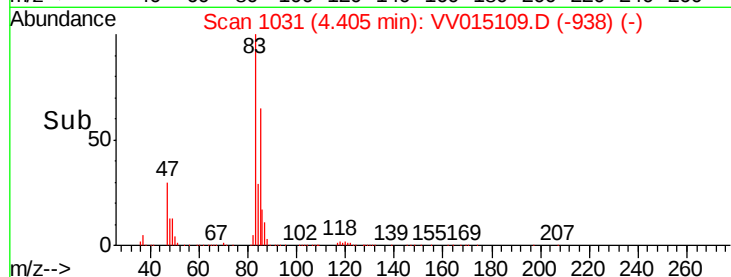
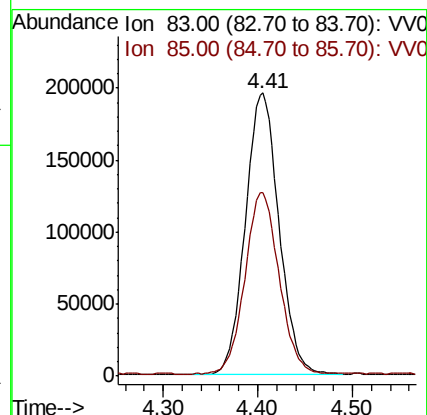
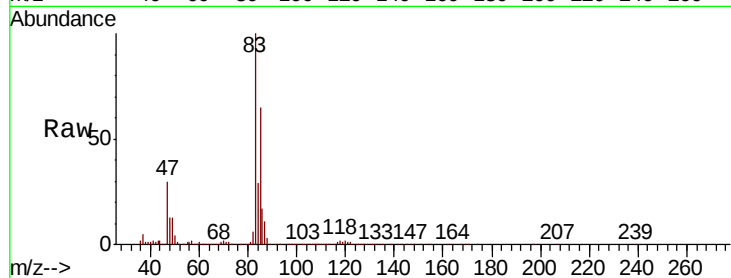




#25
Chloroform
Concen: 49.704 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

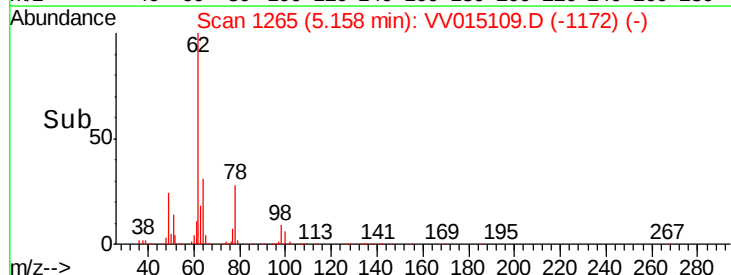
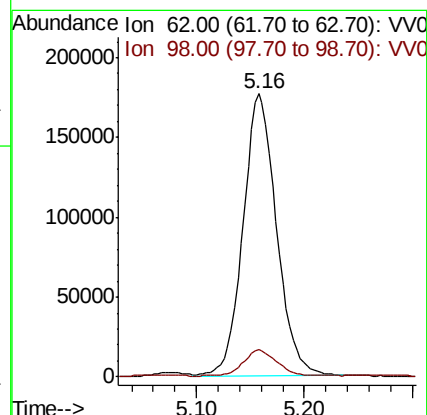
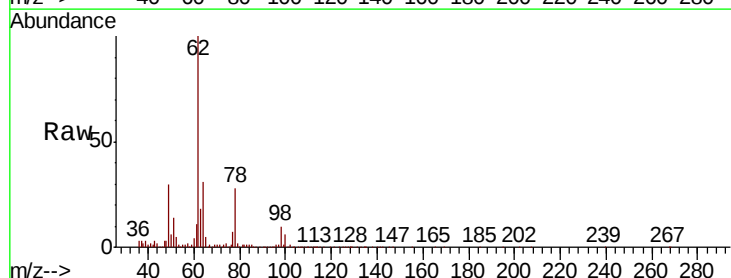
Instrument :
MSVOA_V
ClientSampleId :

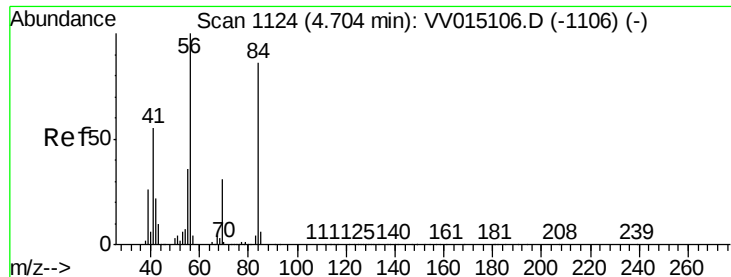
Tot Ion: 83 Resp: 481977
Ion Ratio Lower Upper
83 100
85 65.0 45.8 85.0



#27
1,2-Dichloroethane
Concen: 49.342 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion: 62 Resp: 381072
Ion Ratio Lower Upper
62 100
98 9.6 8.0 12.0

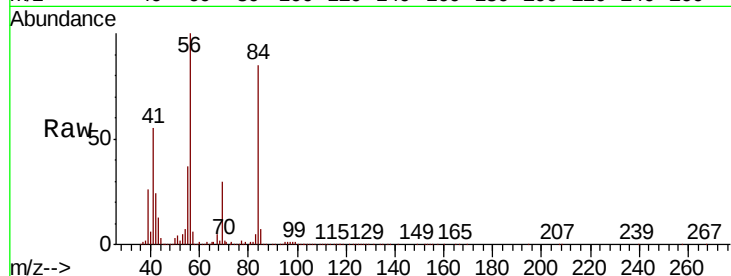




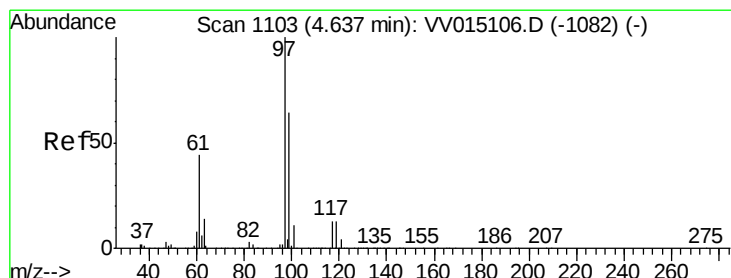
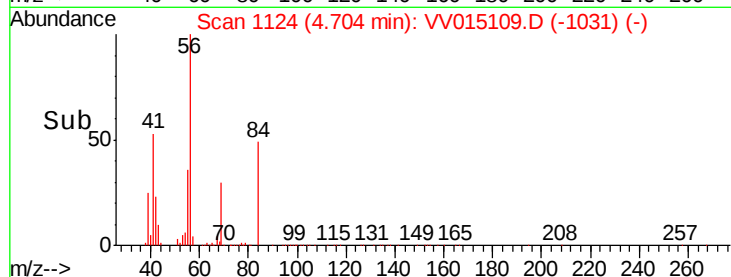
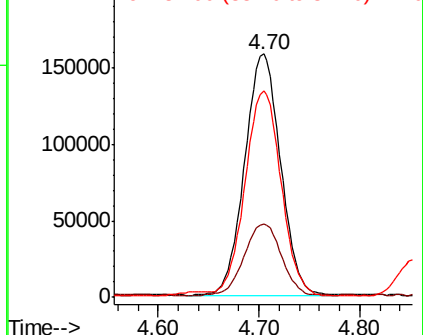
#29
Cyclohexane
Concen: 49.671 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 387924
Ion Ratio Lower Upper
56 100
69 30.6 24.8 37.2
84 85.8 68.9 103.3

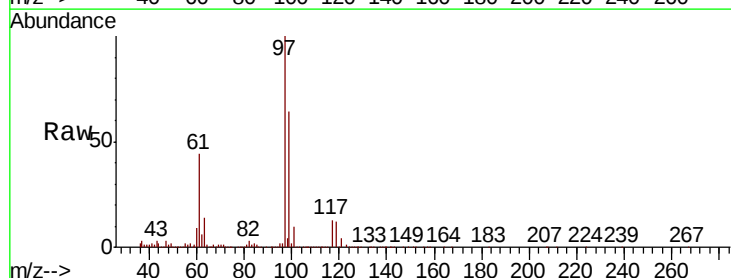


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

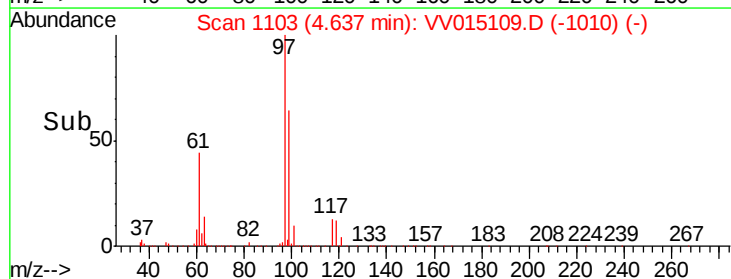
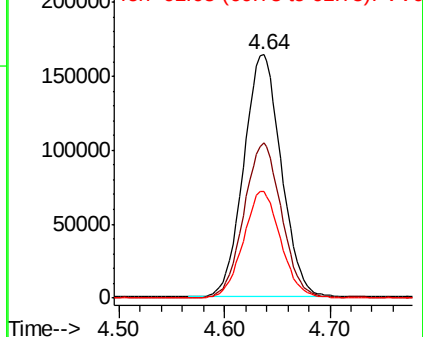


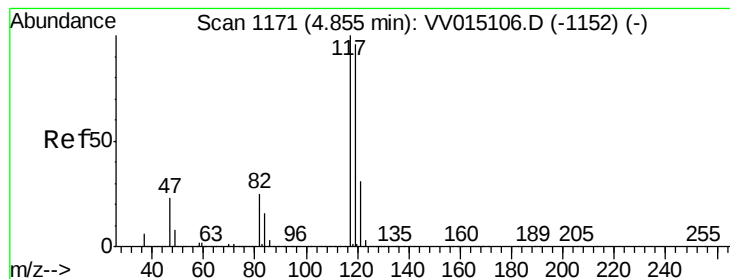
#30
1,1,1-Trichloroethane
Concen: 49.355 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion: 97 Resp: 405501
Ion Ratio Lower Upper
97 100
99 63.6 52.4 78.6
61 43.6 35.3 52.9



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: 50.001 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

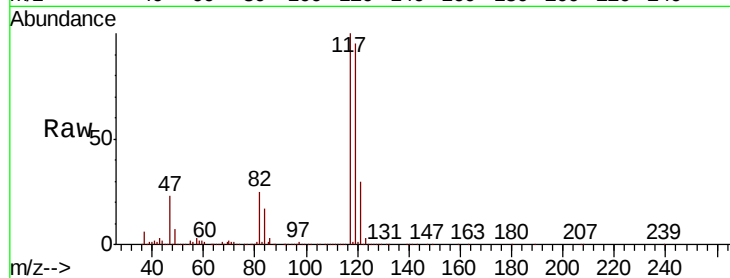
ClientSampleId :

Tot Ion:117 Resp: 346348

Ion Ratio Lower Upper

117 100

119 95.1 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

50000

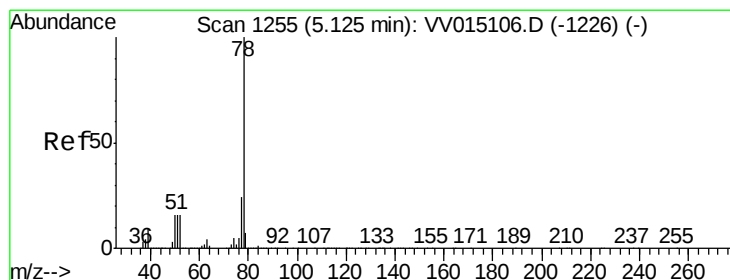
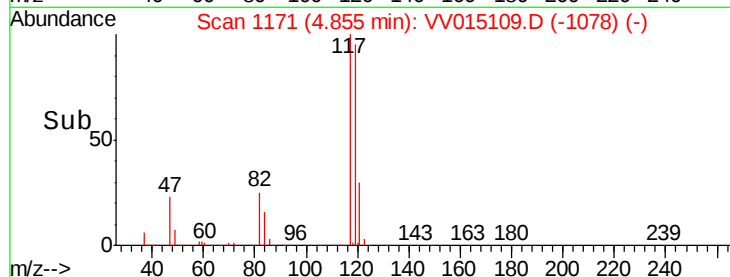
0

4.86

4.80

4.90

Time-->



#33

Benzene

Concen: 49.250 ug/L

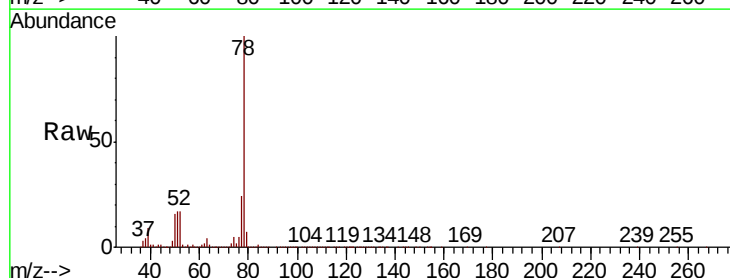
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Tgt Ion: 78 Resp: 1049280



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

200000

100000

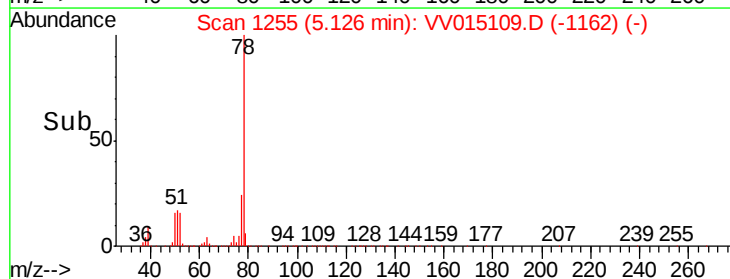
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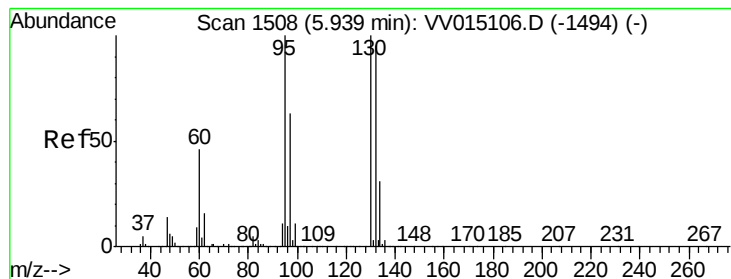
5.13

5.00

5.20

Time-->





#34

Trichloroethene

Concen: 49.990 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 256574

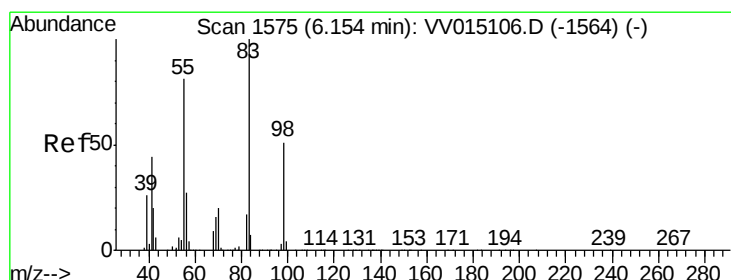
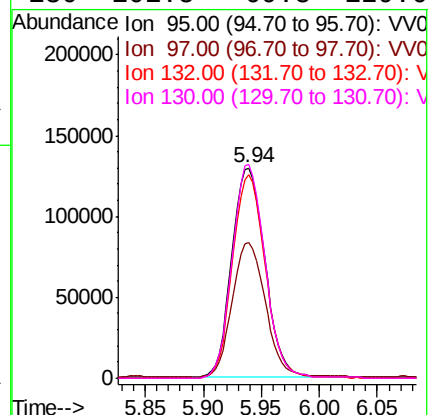
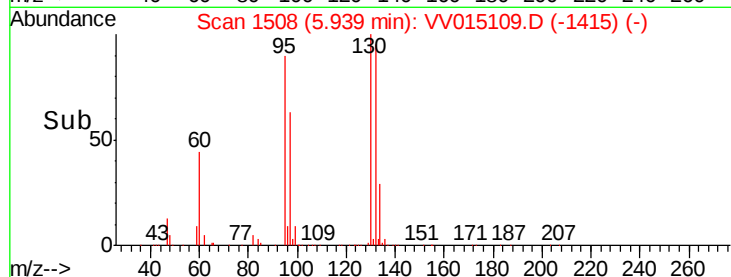
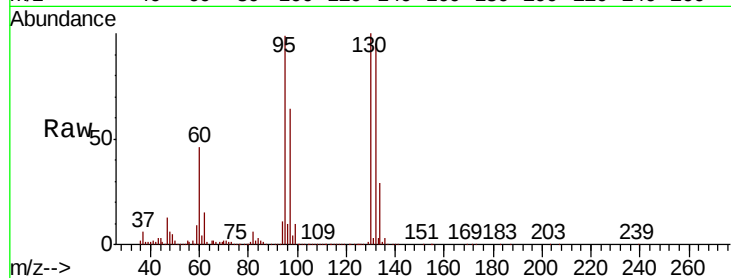
Ion Ratio Lower Upper

95 100

97 64.6 45.0 83.6

132 96.7 66.4 123.2

130 101.5 69.8 129.6



#35

Methylcyclohexane

Concen: 49.220 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

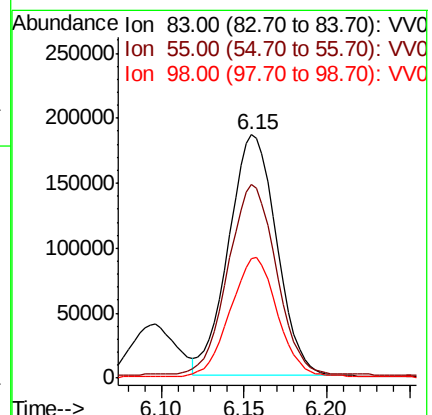
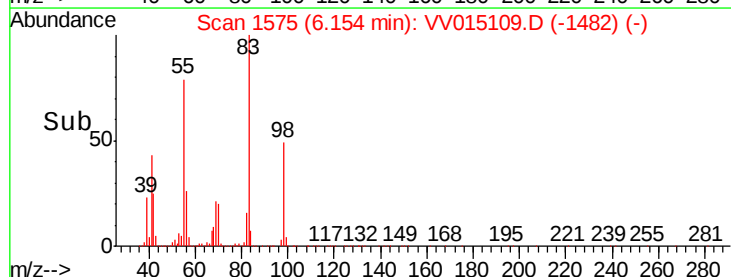
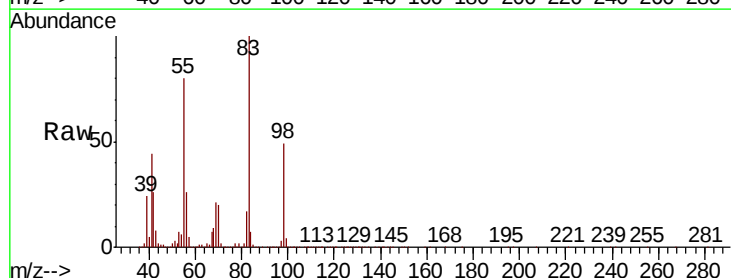
Tgt Ion: 83 Resp: 372804

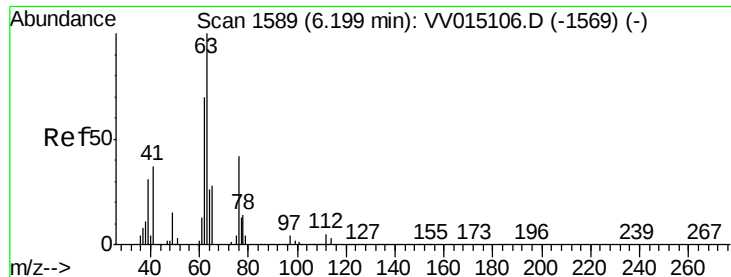
Ion Ratio Lower Upper

83 100

55 78.9 61.8 92.8

98 49.1 38.1 57.1





#37

1,2-Dichloropropane

Concen: 48.864 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

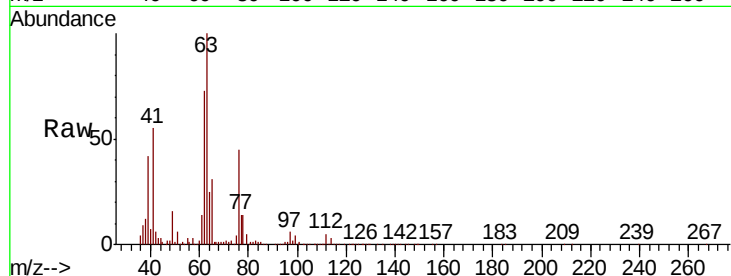
ClientSampleId :

Tot Ion: 63 Resp: 280480

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VV015109.D (-1496) (-)

Ion 112.00 (111.70 to 112.70): VV015109.D (-1496) (-)

6.20

150000

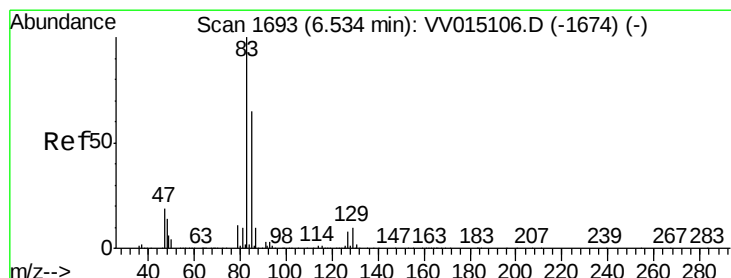
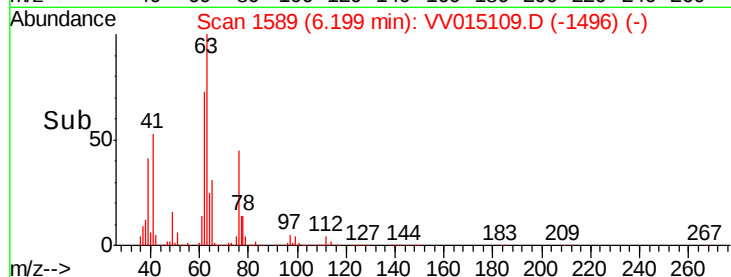
100000

50000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 49.341 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

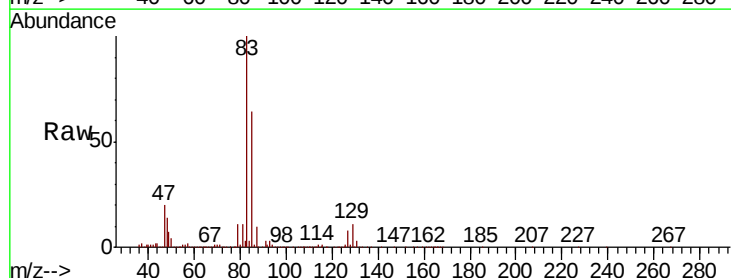
Tgt Ion: 83 Resp: 389804

Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.8

127 8.4 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VV015109.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV015109.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV015109.D (-1600) (-)

6.53

250000

200000

150000

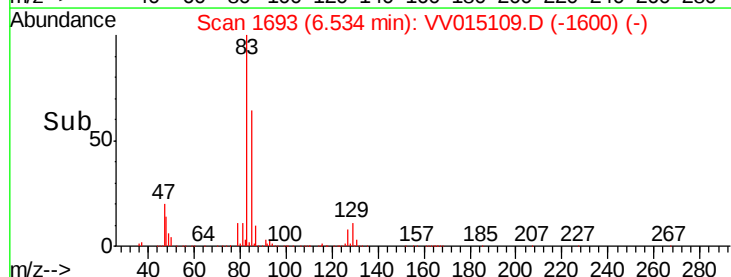
100000

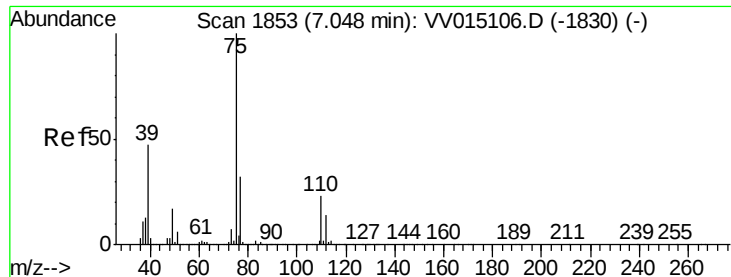
50000

0

6.45 6.50 6.55 6.60

Time-->

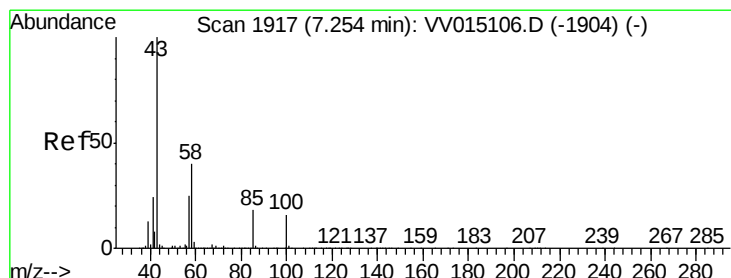
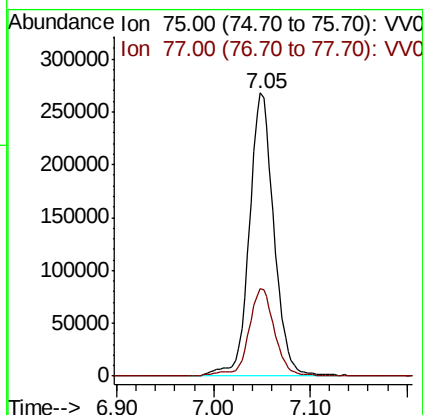
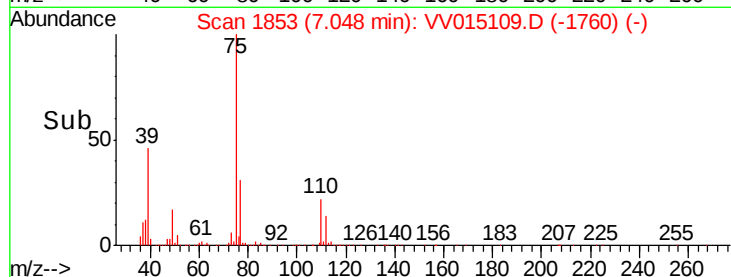
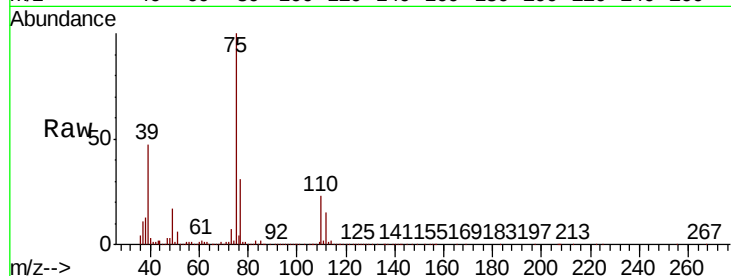




#39
 cis-1,3-Dichloropropene
 Concen: 50.408 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015109.D
 Acq: 24 Mar 2020 01:11

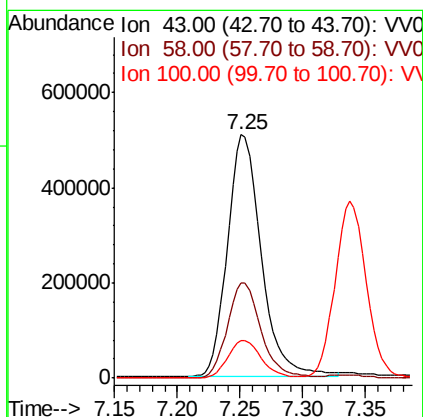
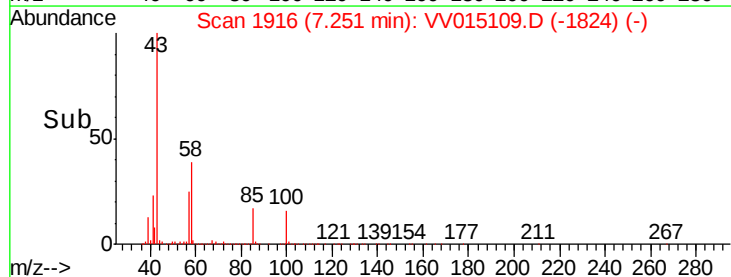
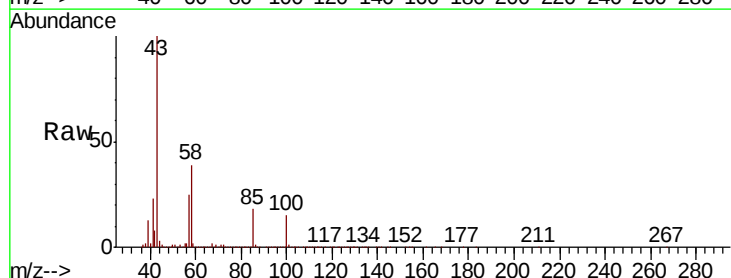
Instrument :
 MSVOA_V
 ClientSampleId :

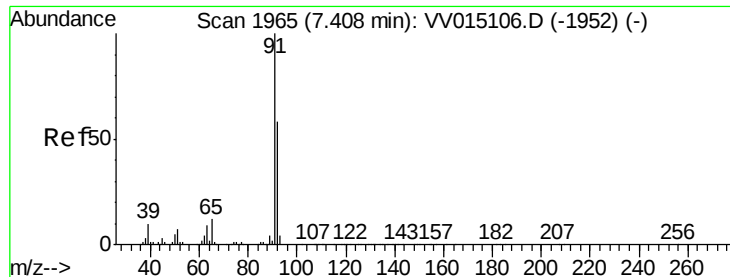
Tot Ion: 75 Resp: 472931
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.897 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV015109.D
 Acq: 24 Mar 2020 01:11

Tgt Ion: 43 Resp: 948926
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.8 47.8
 100 15.5 12.2 18.4





#42

Toluene

Concen: 49.085 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

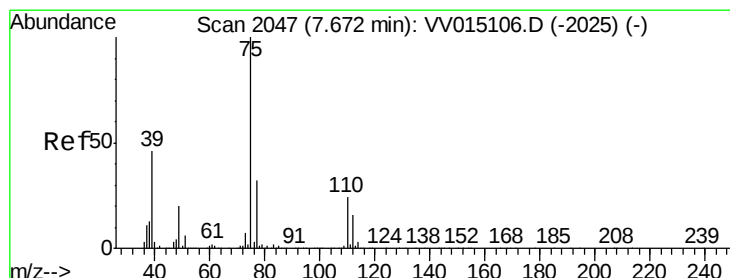
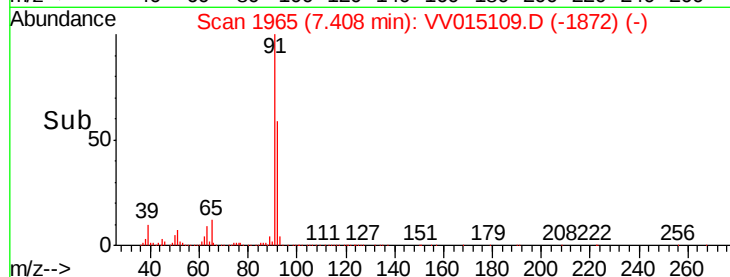
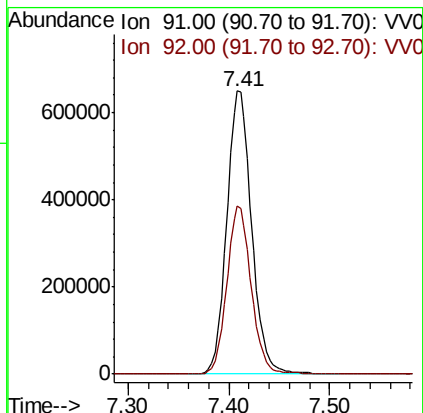
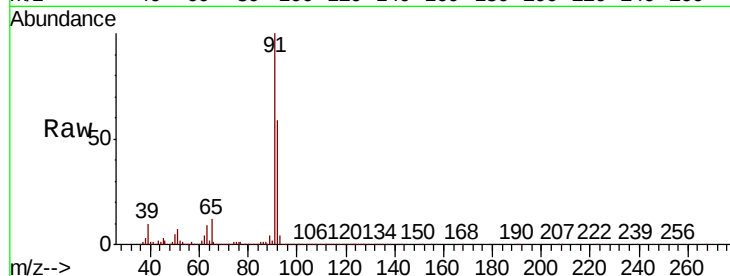
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1114066

Ion Ratio Lower Upper

91 100

92 59.2 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 48.787 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015109.D

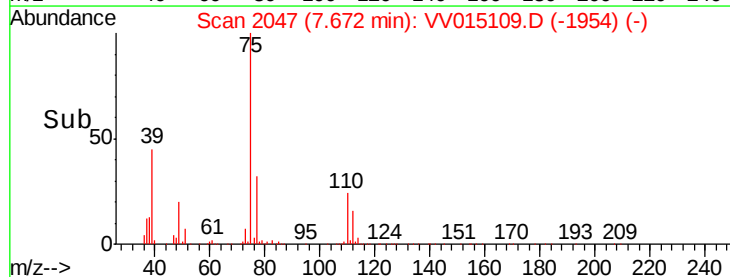
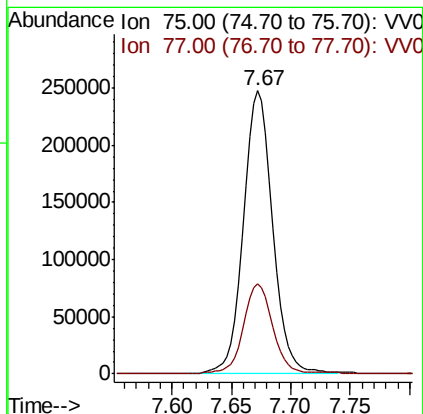
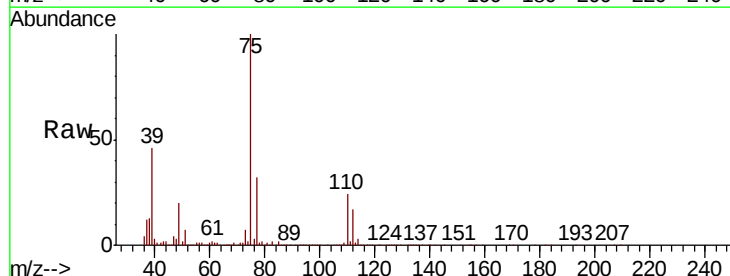
Acq: 24 Mar 2020 01:11

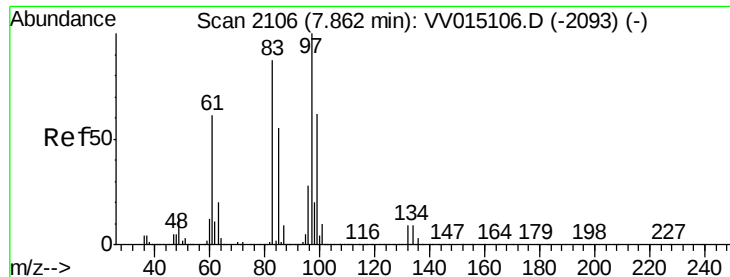
Tgt Ion: 75 Resp: 421211

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2

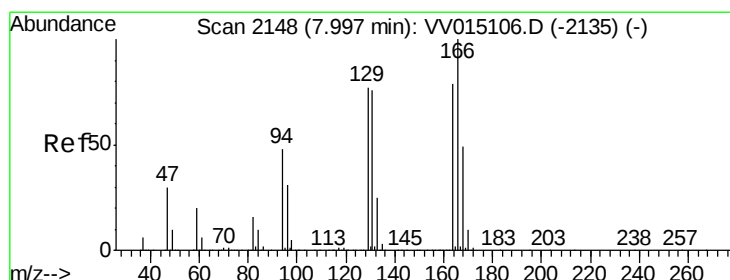
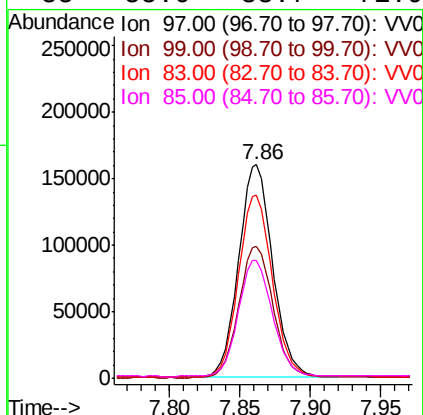
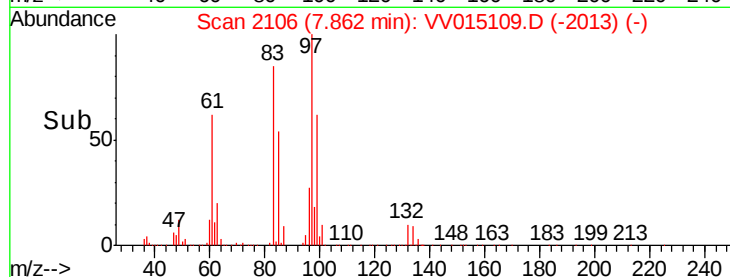
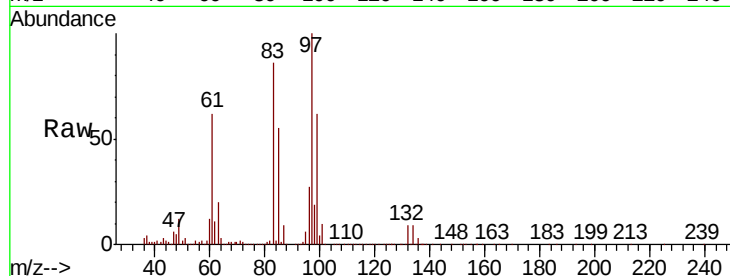




#45
1,1,2-Trichloroethane
Concen: 49.312 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

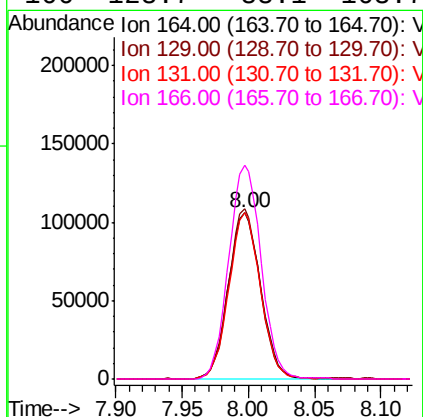
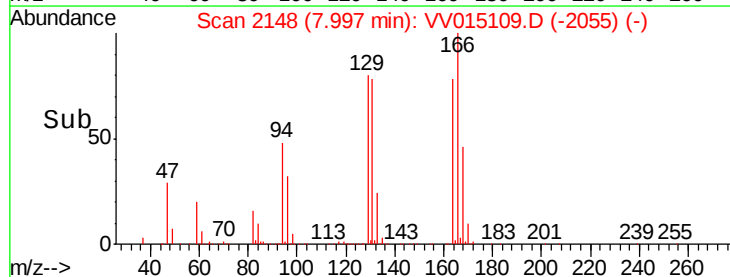
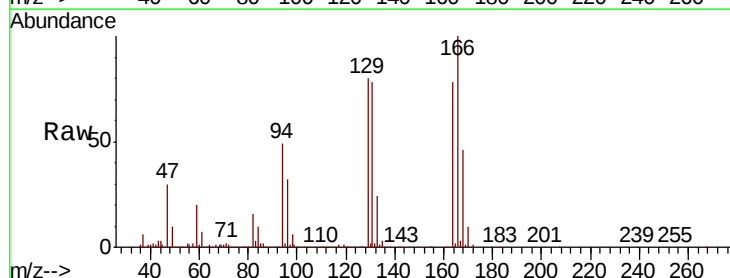
Instrument :
MSVOA_V
ClientSampleId :

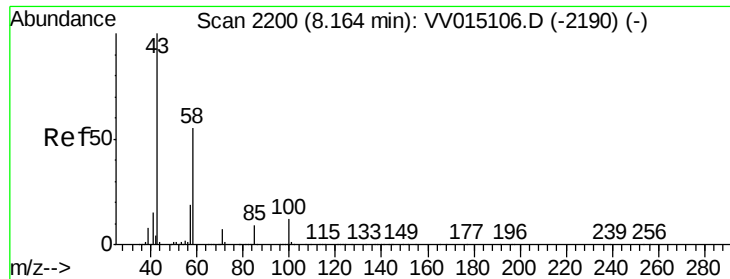
Tot Ion:	97	Resp:	270051
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.8	81.3
83	85.7	61.0	113.4
85	55.0	38.7	71.9



#46
Tetrachloroethene
Concen: 50.109 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion:	164	Resp:	179290
Ion	Ratio	Lower	Upper
164	100		
129	102.8	68.3	126.8
131	100.4	67.3	125.1
166	128.7	88.1	163.7

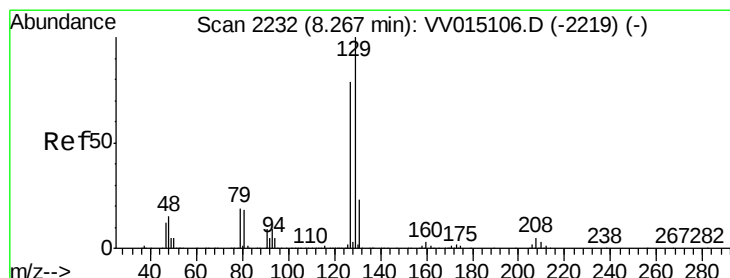
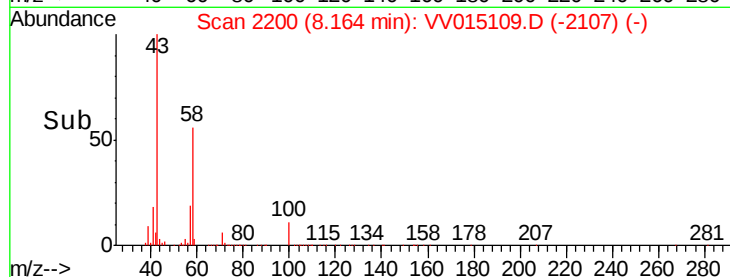
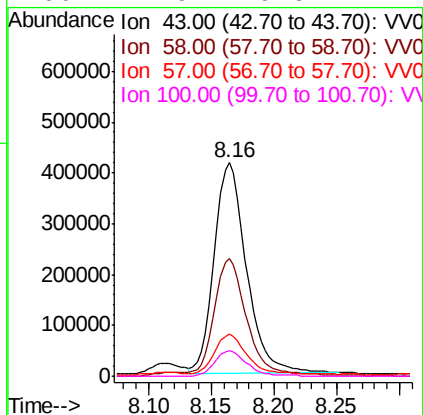
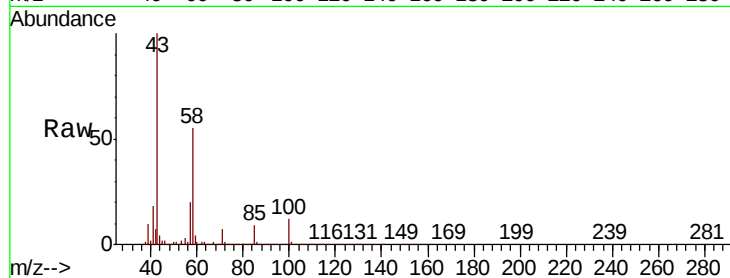




#48
2-Hexanone
Concen: 100.974 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

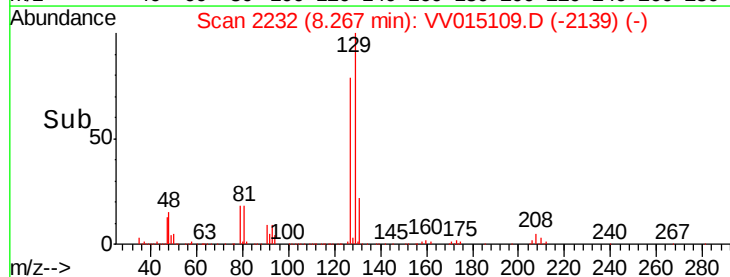
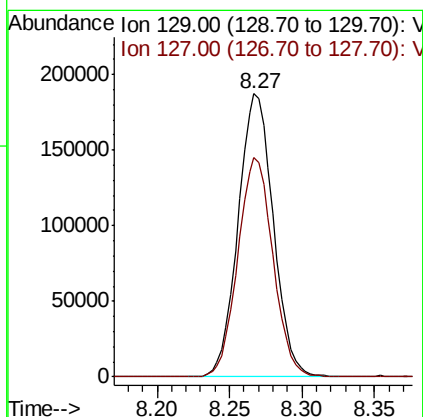
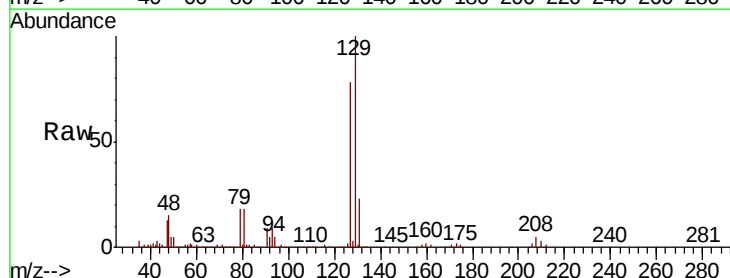
Instrument :
MSVOA_V
ClientSampleId :

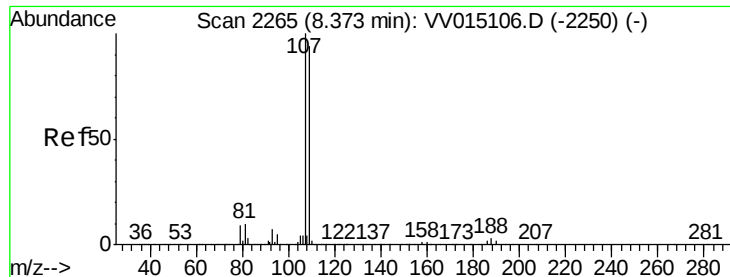
Tot Ion: 43 Resp: 738063
Ion Ratio Lower Upper
43 100
58 55.3 44.2 66.2
57 19.6 14.0 21.0
100 11.9 9.6 14.4



#49
Dibromochloromethane
Concen: 49.796 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion: 129 Resp: 314808
Ion Ratio Lower Upper
129 100
127 77.5 55.2 102.6

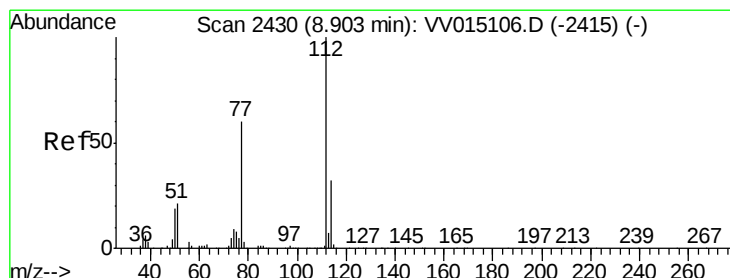
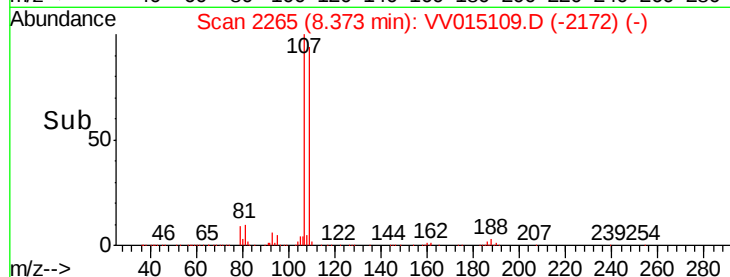
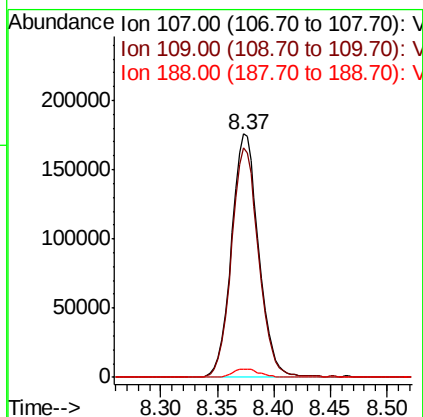
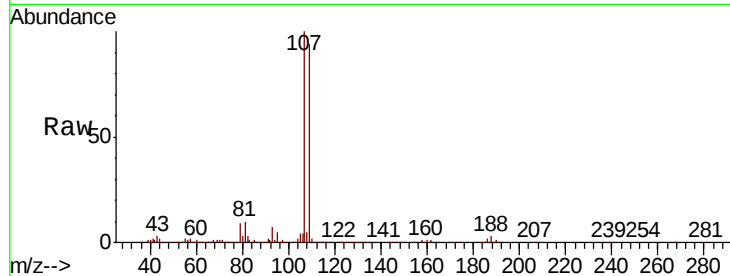




#50
1,2-Dibromoethane
Concen: 48.671 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

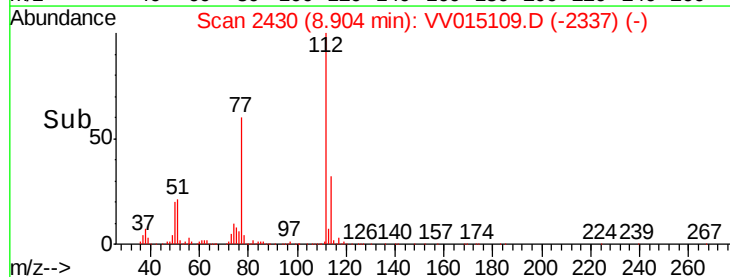
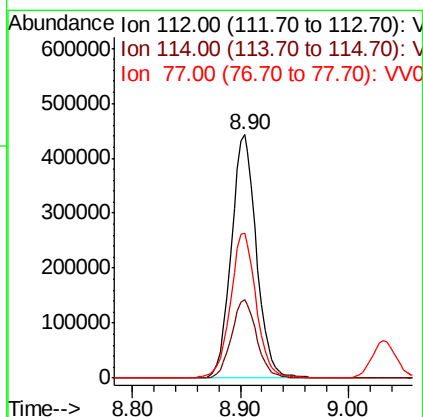
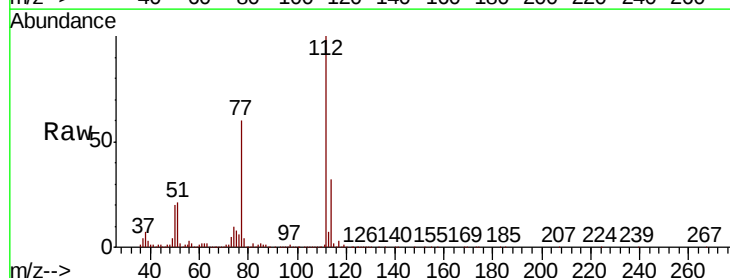
Instrument :
MSVOA_V
ClientSampleId :

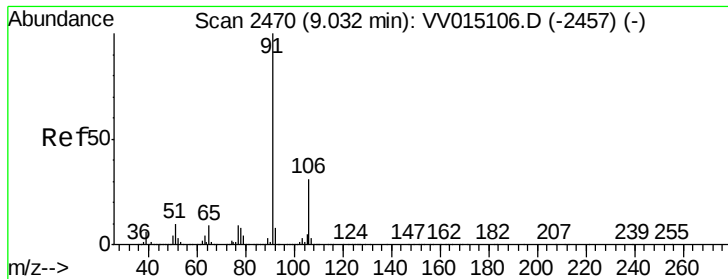
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.9	122.5
188	3.4	2.4	3.6



#51
Chlorobenzene
Concen: 49.299 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	59.7	48.1	72.1





#52

Ethylbenzene

Concen: 49.676 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

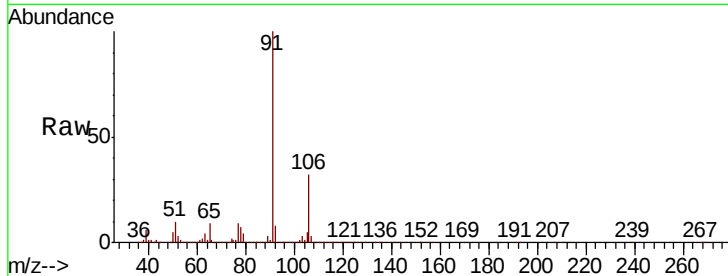
ClientSampleId :

Tot Ion: 91 Resp: 1229680

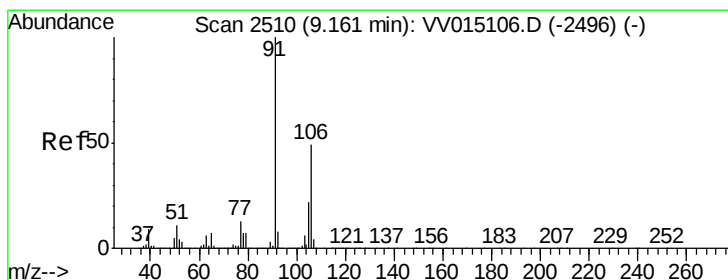
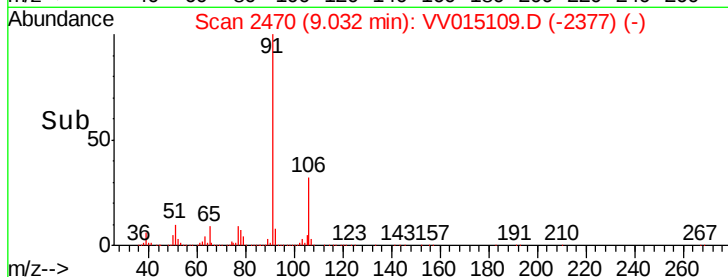
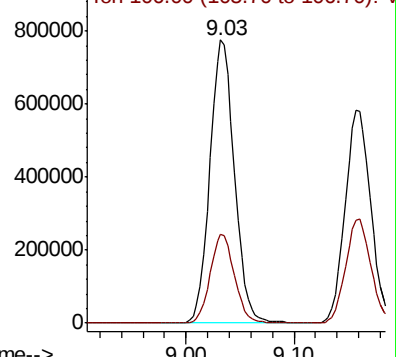
Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV015106.D (-2457) (-)



#53

m,p-Xylene

Concen: 49.509 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015109.D

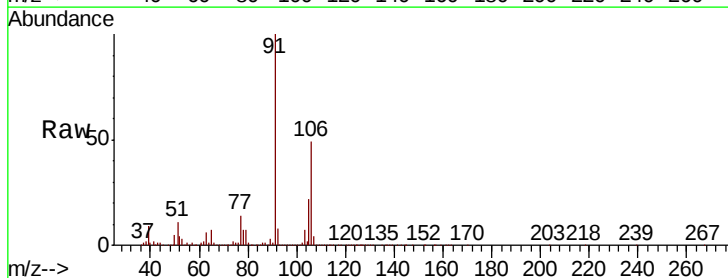
Acq: 24 Mar 2020 01:11

Tgt Ion: 106 Resp: 463902

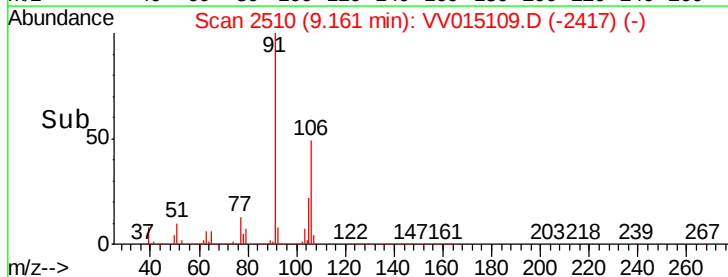
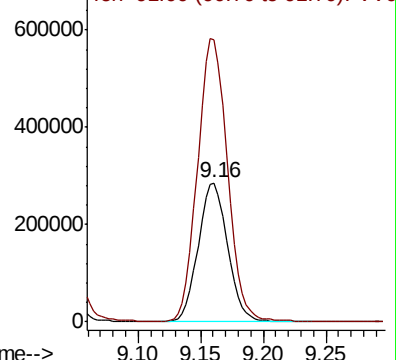
Ion Ratio Lower Upper

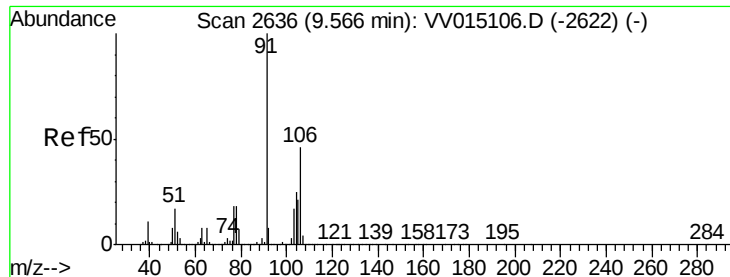
106 100

91 203.7 143.9 267.2



Abundance Ion 106.00 (105.70 to 106.70): VV015106.D (-2496) (-)

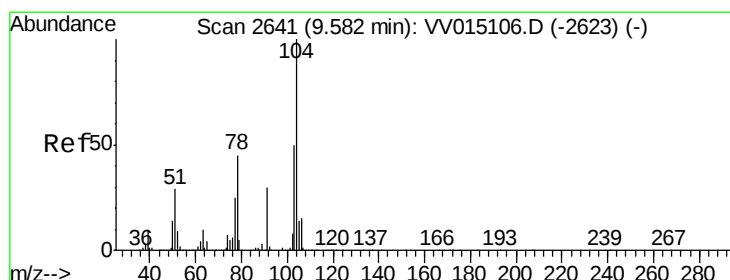
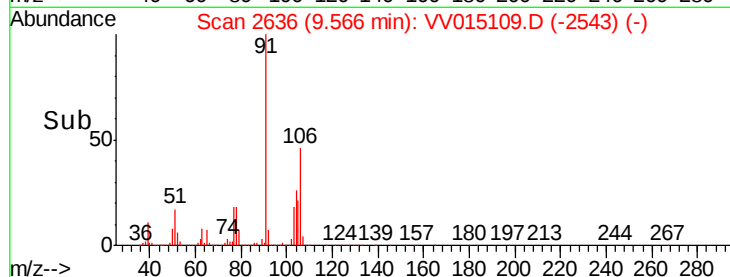
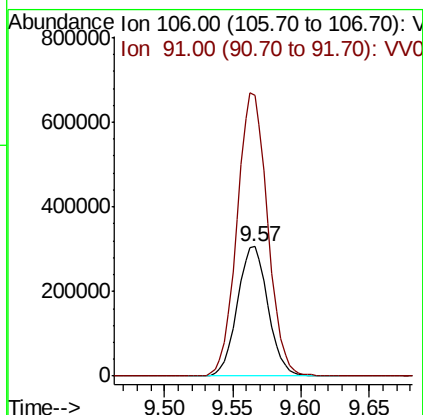
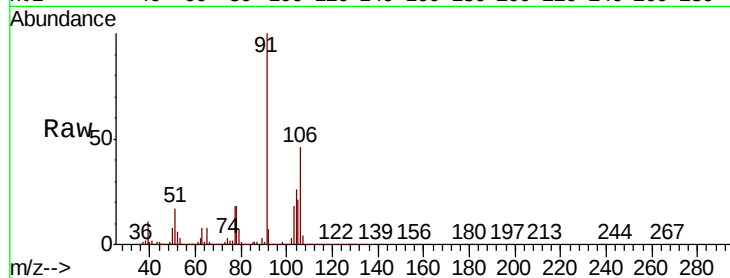




#54
o-xylene
Concen: 49.476 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

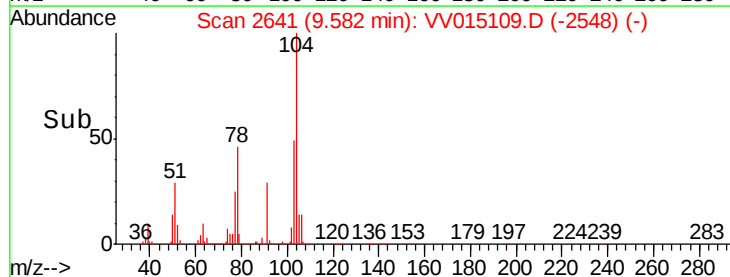
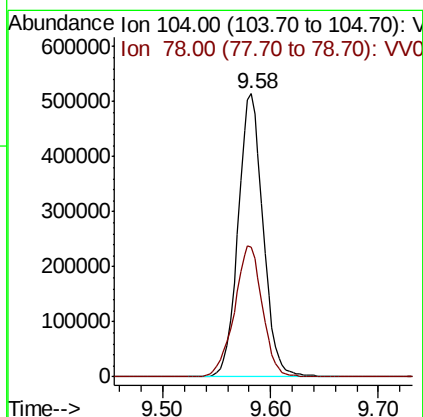
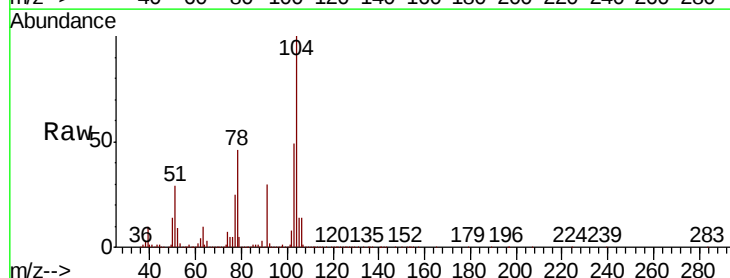
Instrument :
MSVOA_V
ClientSampleId :

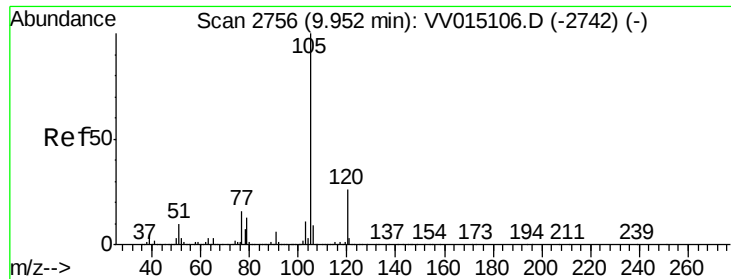
Tot Ion:106 Resp: 478923
Ion Ratio Lower Upper
106 100
91 216.6 151.1 280.7



#55
Styrene
Concen: 49.570 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015109.D
Acq: 24 Mar 2020 01:11

Tgt Ion:104 Resp: 829824
Ion Ratio Lower Upper
104 100
78 46.0 31.8 59.0





#56

Isopropylbenzene

Concen: 49.444 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :
MSVOA_V
ClientSampled :

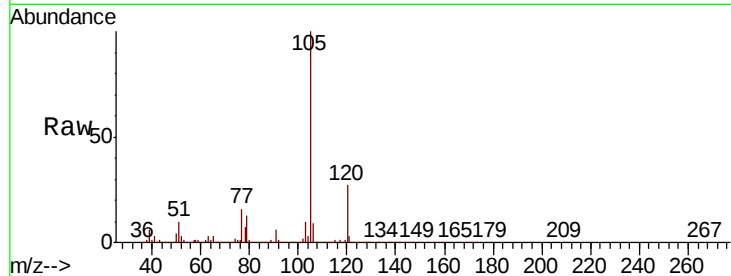
Tot Ion:105 Resp: 1181320

Ion Ratio Lower Upper

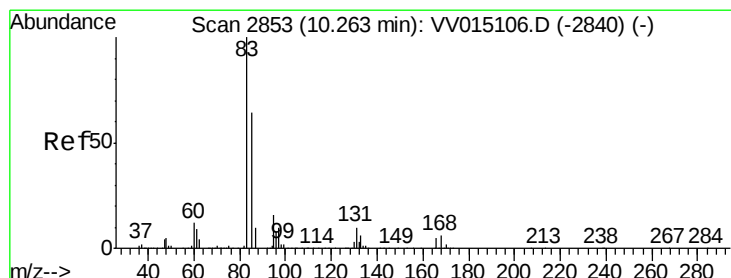
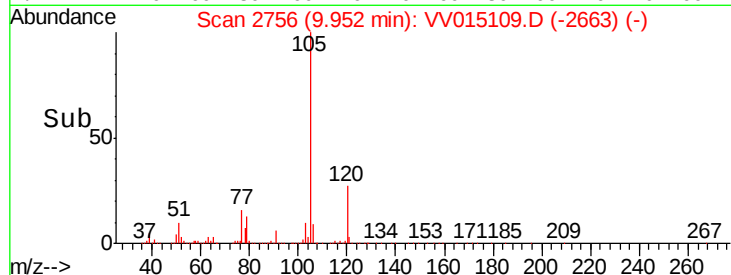
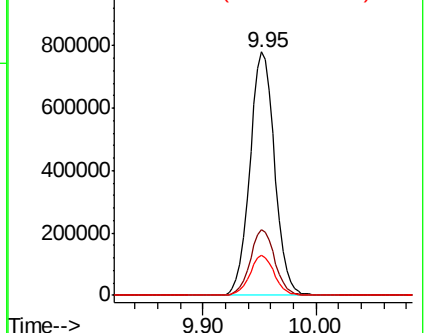
105 100

120 26.7 21.3 31.9

77 16.3 12.8 19.2



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: 50.076 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

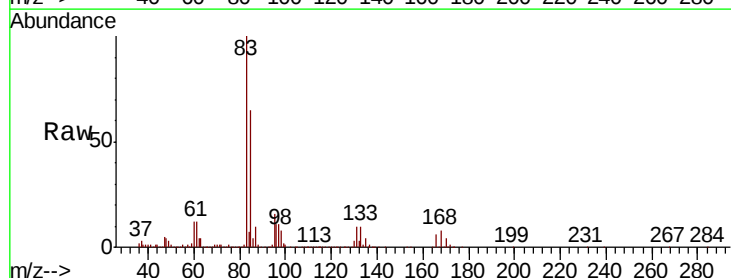
Tgt Ion: 83 Resp: 471538

Ion Ratio Lower Upper

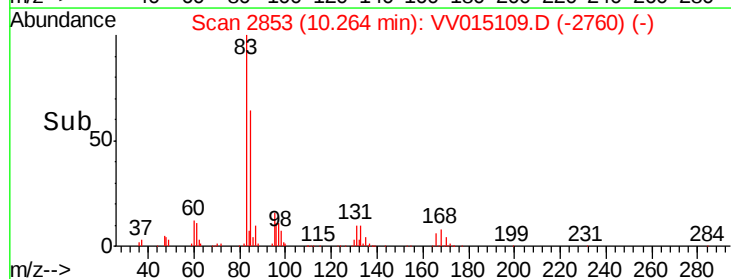
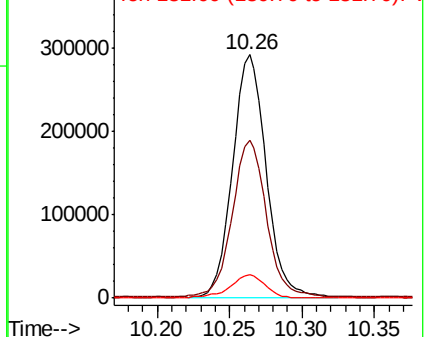
83 100

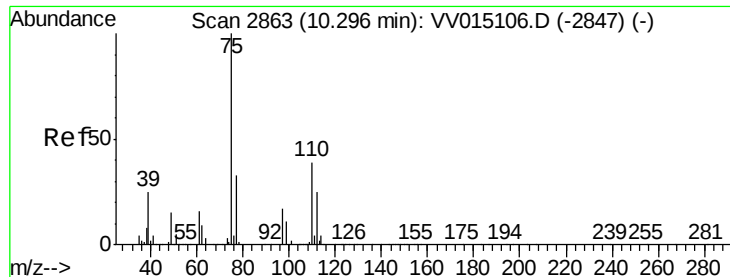
85 64.8 45.0 83.6

131 9.6 7.8 11.8



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: 48.755 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

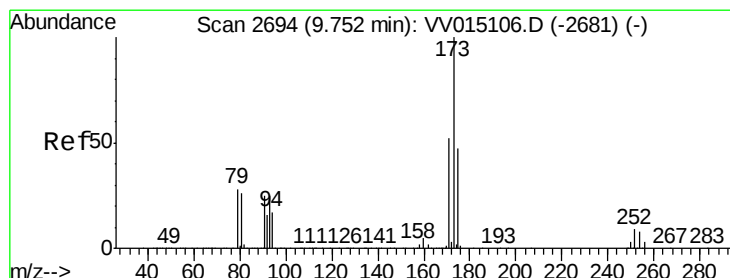
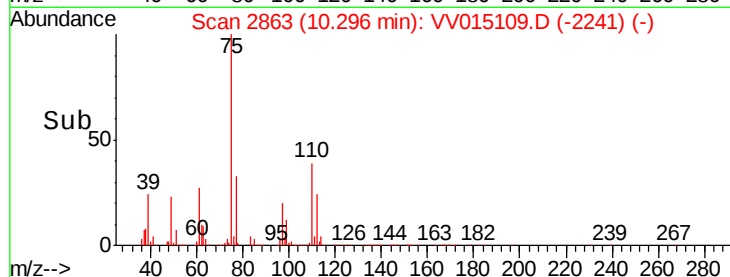
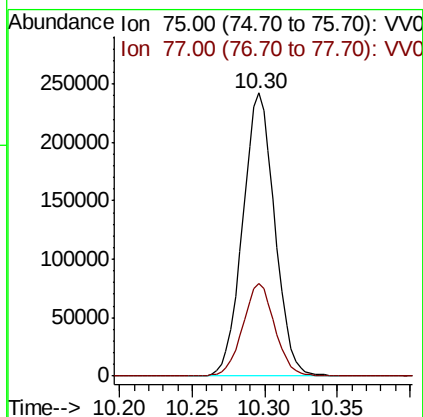
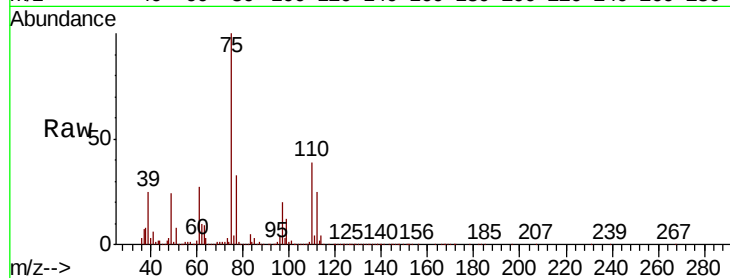
ClientSampled :

Tot Ion: 75 Resp: 371015

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#61

Bromoform

Concen: 49.173 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

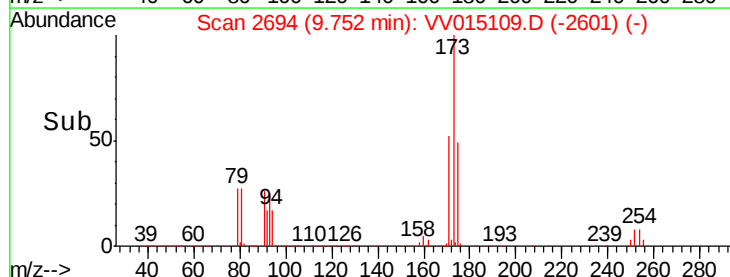
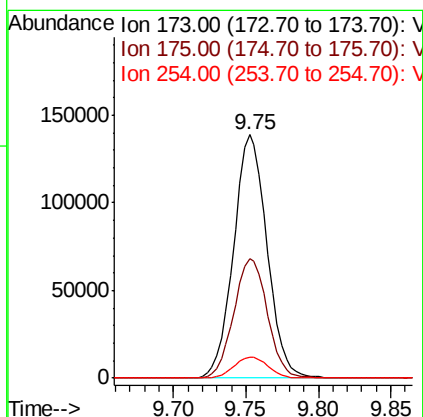
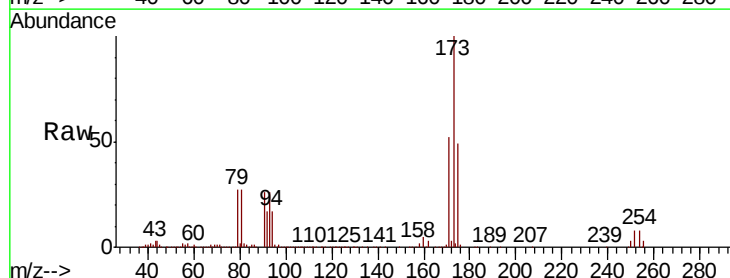
Tgt Ion: 173 Resp: 221594

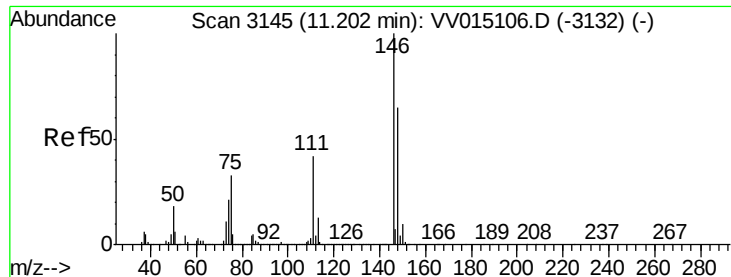
Ion Ratio Lower Upper

173 100

175 49.4 38.1 57.1

254 8.7 6.6 9.8

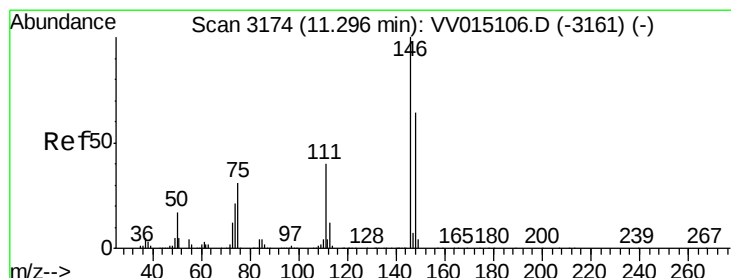
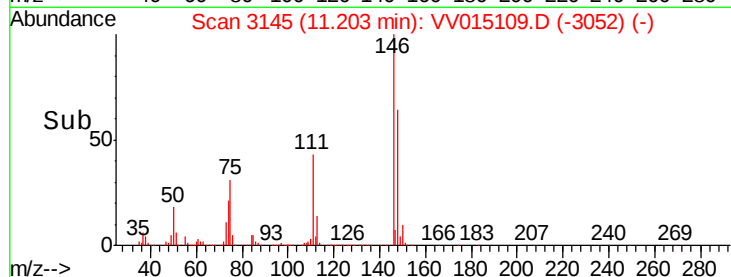
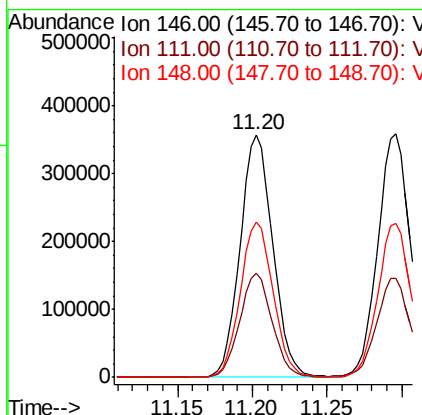
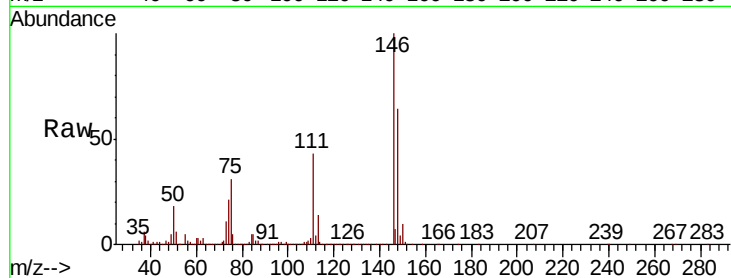




#62
 1,3-Dichlorobenzene
 Concen: 49.665 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015109.D
 Acq: 24 Mar 2020 01:11

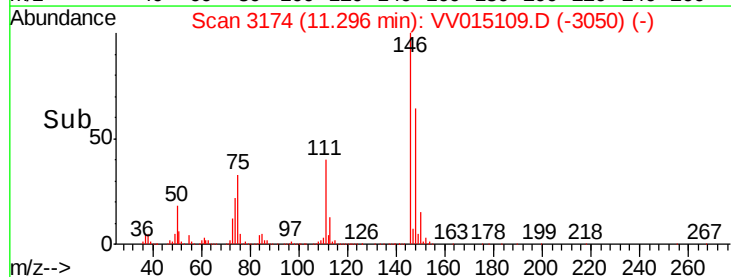
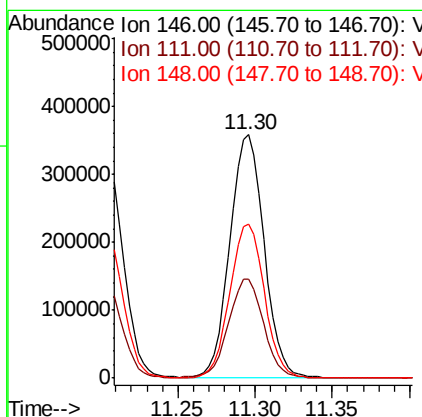
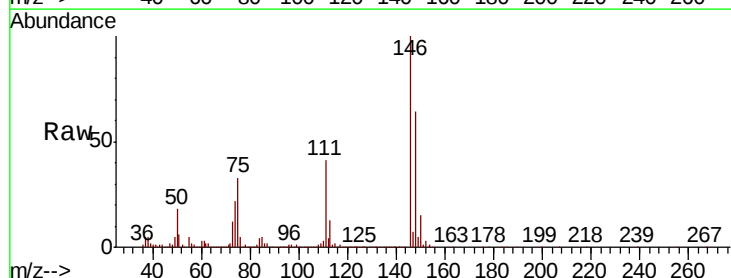
Instrument :
 MSVOA_V
 ClientSampleId :

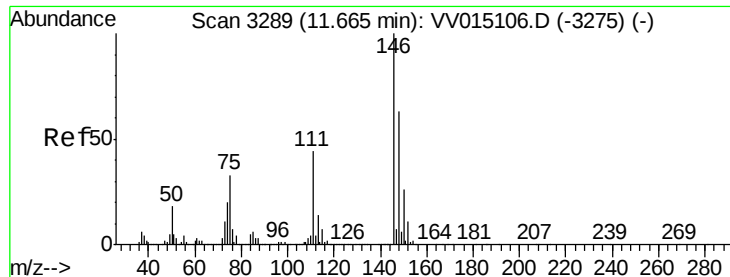
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	29.7	55.1
148	63.9	45.3	84.1



#63
 1,4-Dichlorobenzene
 Concen: 49.561 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015109.D
 Acq: 24 Mar 2020 01:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.2	52.4
148	63.5	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 49.051 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

ClientSampled :

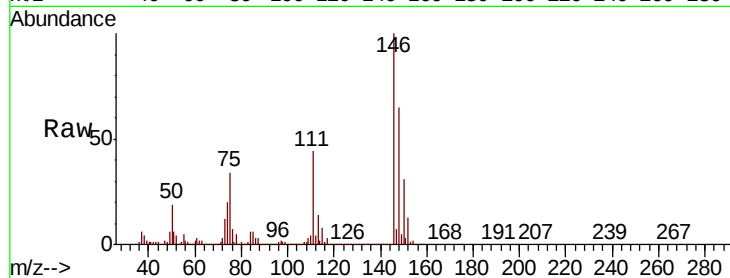
Tot Ion:146 Resp: 558835

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

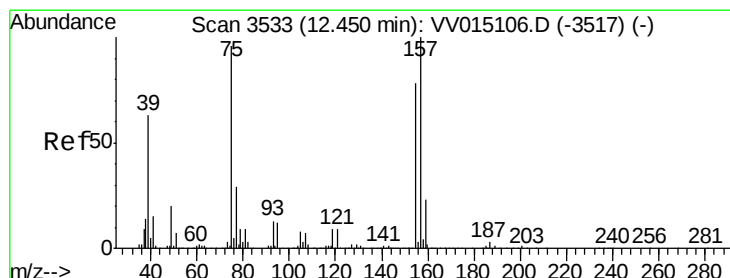
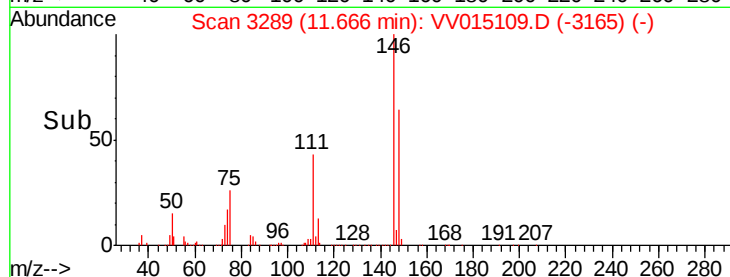
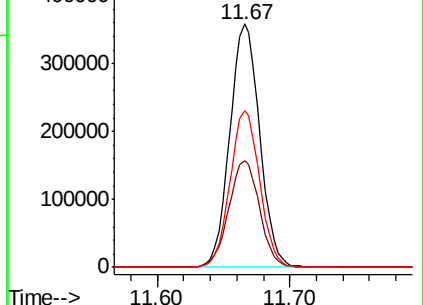
148 64.5 50.6 75.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.322 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

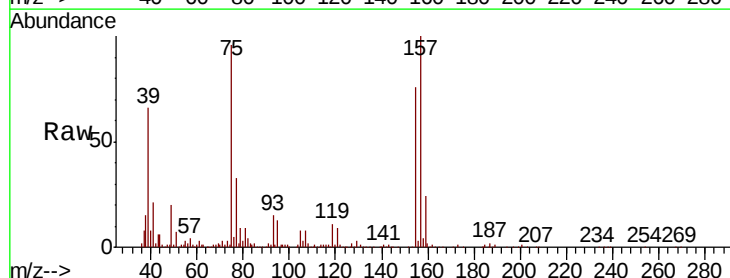
Tgt Ion: 75 Resp: 125074

Ion Ratio Lower Upper

75 100

155 79.6 65.2 97.8

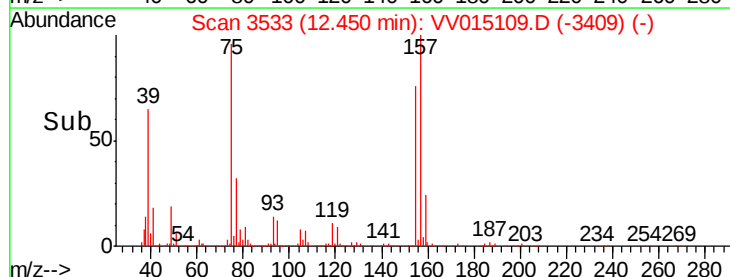
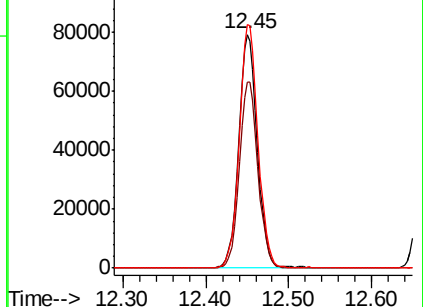
157 104.1 83.3 124.9

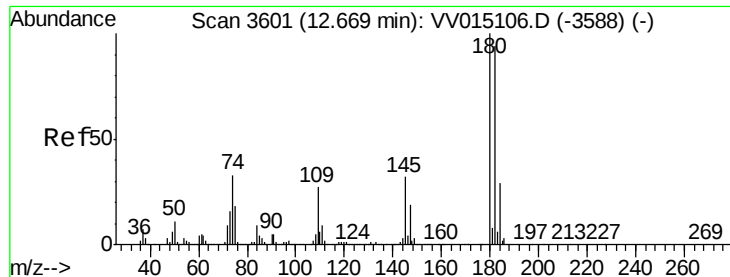


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

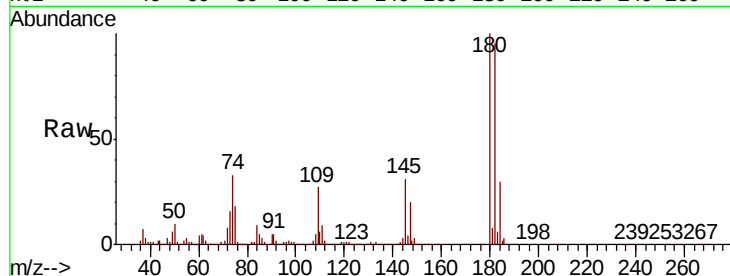




#67
 1,3,5-Trichlorobenzene
 Concen: 50.748 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015109.D
 Acq: 24 Mar 2020 01:11

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
184	30.3	23.7	35.5
145	31.7	25.8	38.6



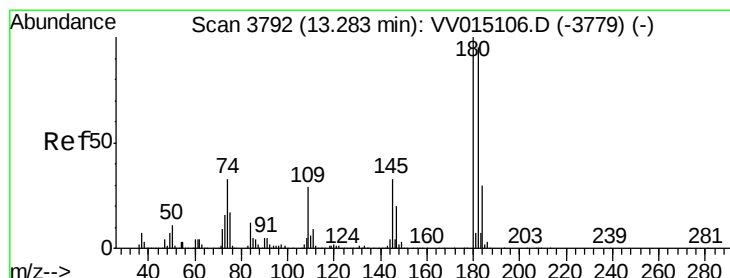
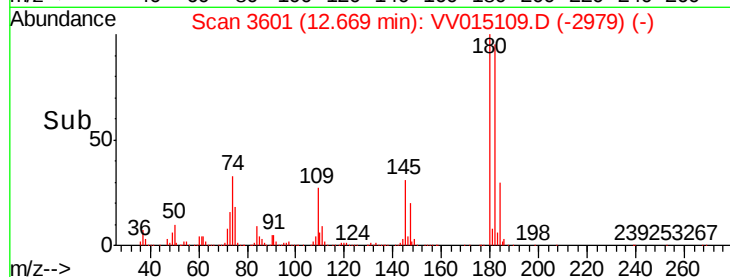
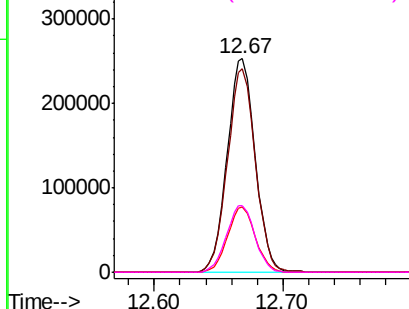
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

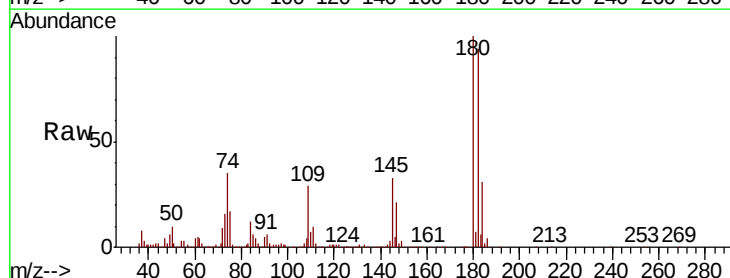
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.707 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015109.D
 Acq: 24 Mar 2020 01:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.5	113.3
145	32.9	26.4	39.6

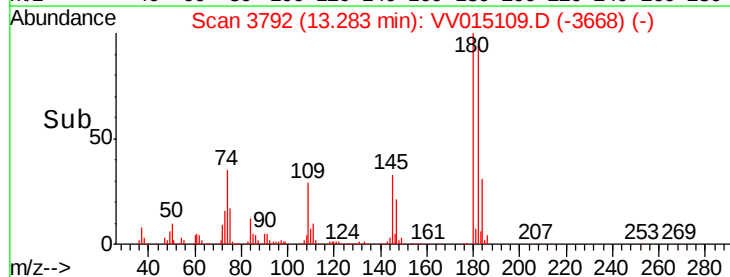
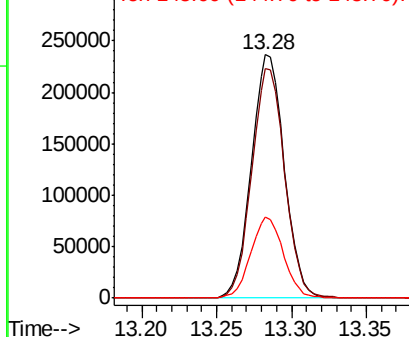


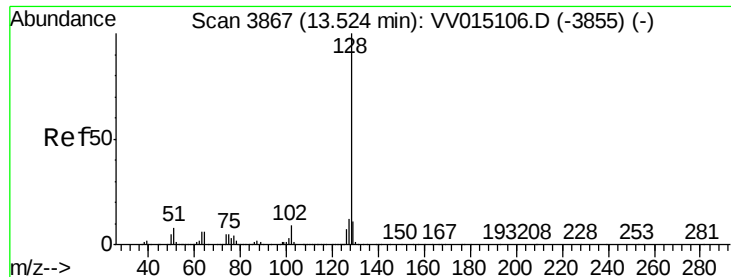
Abundance

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





#69

Naphthalene

Concen: 52.021 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

Instrument :

MSVOA_V

ClientSampleId :

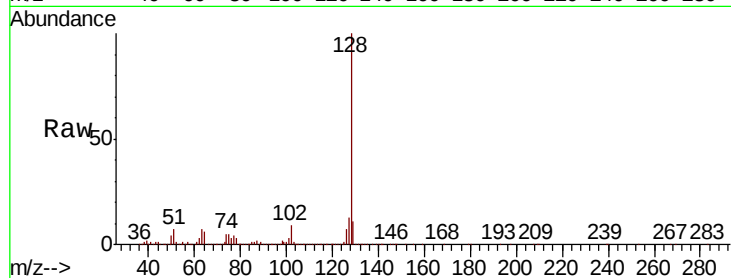
Tot Ion:128 Resp: 731203

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

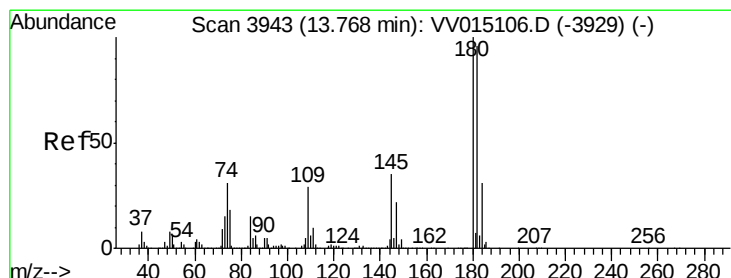
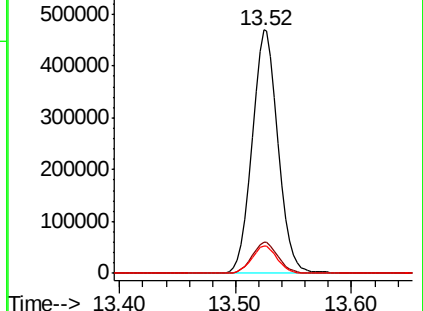
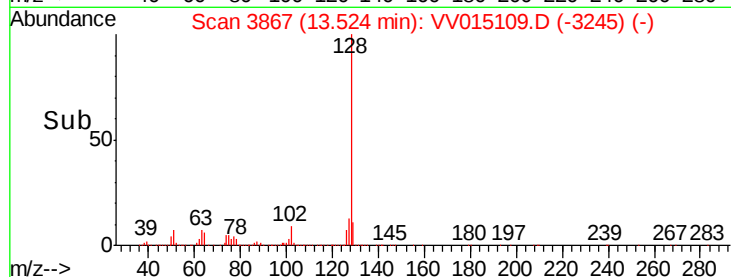
129 11.1 8.8 13.2



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: 52.253 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015109.D

Acq: 24 Mar 2020 01:11

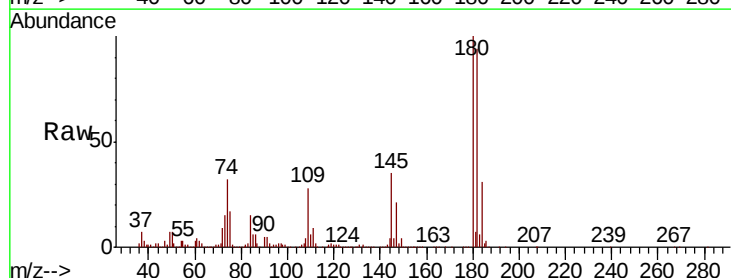
Tgt Ion:180 Resp: 382954

Ion Ratio Lower Upper

180 100

182 92.2 76.6 115.0

145 34.8 27.8 41.6



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

