

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032320\
 Data File : VV015105.D
 Acq On : 23 Mar 2020 23:34
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 01:56:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	753773	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	698746	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	320961	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71437	16.88	ug/L	0.00
7) Chloroethane-d5	1.58	69	58863	17.45	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	116546	16.24	ug/L	0.00
21) 2-Butanone-d5	3.95	46	87962	31.15	ug/L	0.01
24) Chloroform-d	4.38	84	104690	11.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	65016	10.98	ug/L	0.00
32) Benzene-d6	5.08	84	211925	12.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	68912	13.05	ug/L	0.00
41) Toluene-d8	7.34	98	194966	11.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	35250	12.66	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	69137	27.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	95580	12.31	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	70791	10.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	58752	9.406 ug/L	98
3) Chloromethane	1.25	50	78382	15.856 ug/L	99
5) Vinyl chloride	1.32	62	73841	15.428 ug/L	99
6) Bromomethane	1.53	94	44562	14.503 ug/L	97
8) Chloroethane	1.60	64	62667	22.058 ug/L	96
9) Trichlorofluoromethane	1.77	101	91386	12.696 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46724	13.456 ug/L	99
12) 1,1-Dichloroethene	2.13	96	52200	15.563 ug/L	96
13) Acetone	2.22	43	13506	6.316 ug/L	99
14) Carbon disulfide	2.31	76	125219	11.267 ug/L	99
15) Methyl Acetate	2.46	43	64283	16.132 ug/L	99
16) Methylene chloride	2.53	84	57760	11.588 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	48981	10.643 ug/L	95
18) Methyl tert-butyl Ether	2.79	73	182662	12.241 ug/L	98
19) 1,1-Dichloroethane	3.22	63	101414	12.339 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	54585	10.476 ug/L #	93
22) 2-Butanone	4.03	43	38479	12.377 ug/L	87
23) Bromochloromethane	4.28	128	28439	10.232 ug/L	94
25) Chloroform	4.41	83	101697	11.339 ug/L	97
27) 1,2-Dichloroethane	5.16	62	77905	11.517 ug/L #	92
29) Cyclohexane	4.71	56	77550	11.911 ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	84645	11.217 ug/L	98
31) Carbon tetrachloride	4.86	117	70412	10.492 ug/L	100
33) Benzene	5.13	78	218831	12.391 ug/L	100
34) Trichloroethene	5.94	95	51617	11.008 ug/L	97
35) Methylcyclohexane	6.15	83	75202	10.188 ug/L	95
37) 1,2-Dichloropropane	6.20	63	57279	12.993 ug/L #	92
38) Bromodichloromethane	6.53	83	80418	12.703 ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	90048	12.353 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	194608	30.493 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032320\
 Data File : VV015105.D
 Acq On : 23 Mar 2020 23:34
 Operator : SY/MD
 Sample : VSTD01061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

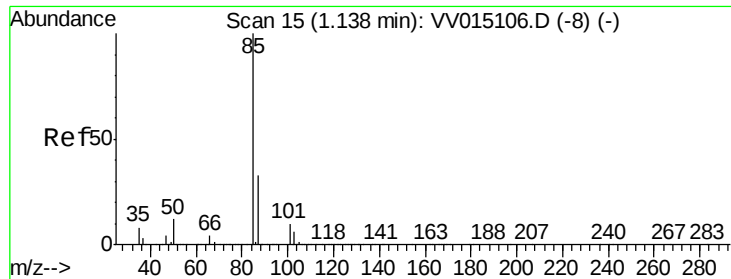
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 01:56:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	226704	11.514	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	87988	13.327	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	55626	12.004	ug/L	97
46) Tetrachloroethene	8.00	164	35638	8.474	ug/L	97
48) 2-Hexanone	8.17	43	140982	29.371	ug/L	99
49) Dibromochloromethane	8.27	129	62328	11.584	ug/L	98
50) 1,2-Dibromoethane	8.38	107	61588	11.975	ug/L	98
51) Chlorobenzene	8.90	112	144885	10.615	ug/L	98
52) Ethylbenzene	9.04	91	250130	11.222	ug/L	99
53) m,p-Xylene	9.16	106	94545	10.954	ug/L	99
54) o-xylene	9.57	106	98827	11.510	ug/L	98
55) Styrene	9.58	104	167235	11.508	ug/L	96
56) Isopropylbenzene	9.95	105	241382	10.893	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	94666	12.392	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	76285	12.563	ug/L	97
61) Bromoform	9.76	173	44472	13.271	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	109798	11.327	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	109311	10.822	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	114876	11.081	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	24617	15.257	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	72482	9.690	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	68148	9.787	ug/L	97
69) Naphthalene	13.53	128	138167	13.866	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	70770	10.356	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.406 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

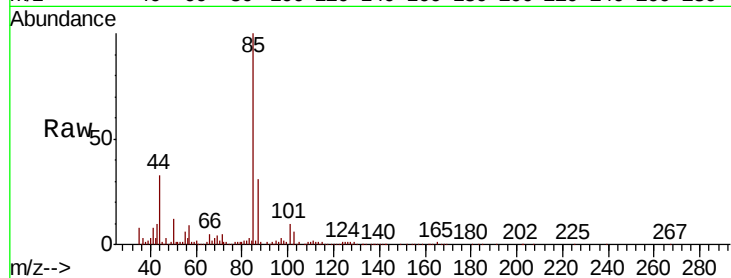
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58752

Ion Ratio Lower Upper

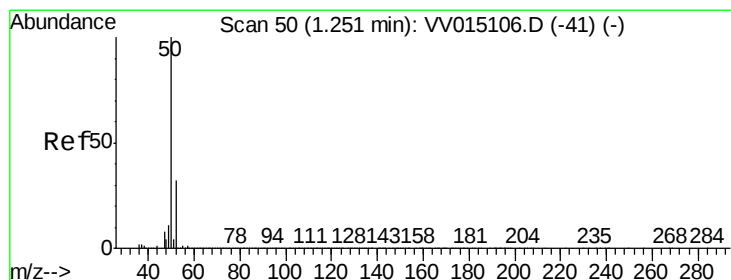
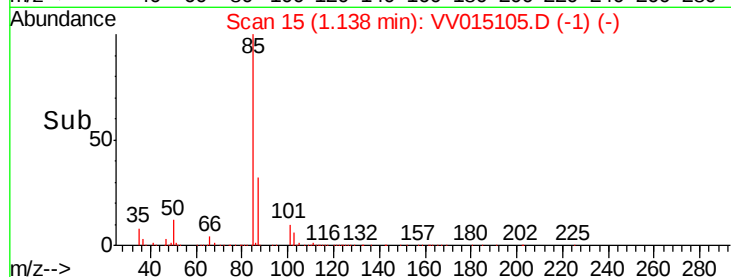
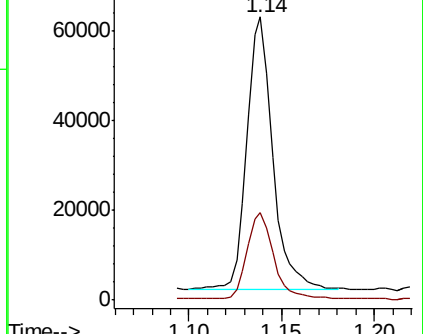
85 100

87 32.1 26.6 39.8



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

Ion 87.00 (86.70 to 87.70): VV015106.D (-8) (-)



#3

Chloromethane

Concen: 15.856 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015105.D

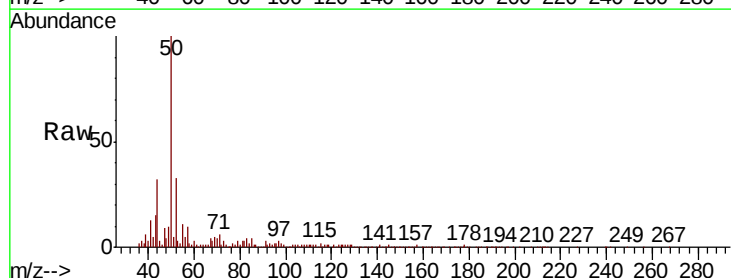
Acq: 23 Mar 2020 23:34

Tgt Ion: 50 Resp: 78382

Ion Ratio Lower Upper

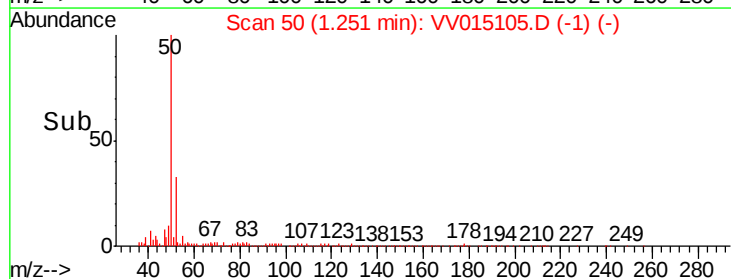
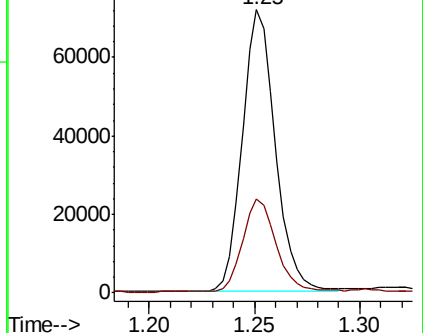
50 100

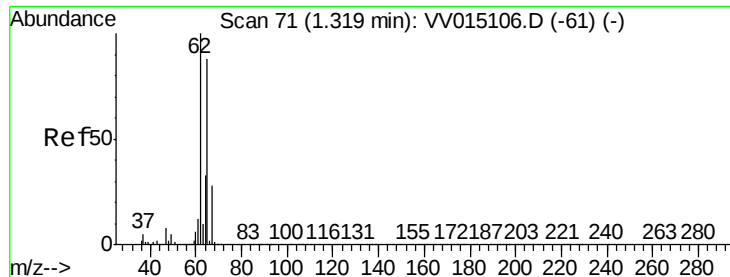
52 33.0 22.7 42.1



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

Ion 52.00 (51.70 to 52.70): VV015106.D (-41) (-)





#5

Vinyl chloride

Concen: 15.428 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

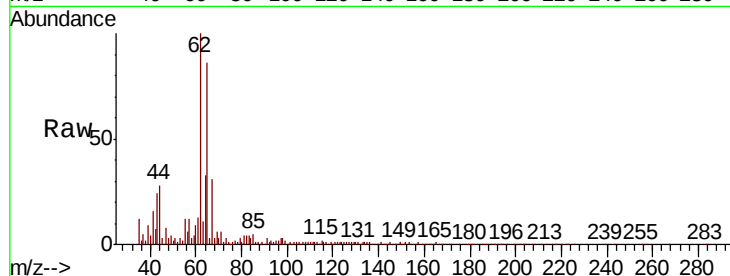
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 73841

Ion Ratio Lower Upper

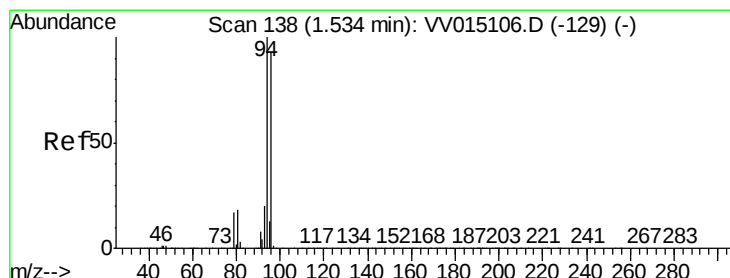
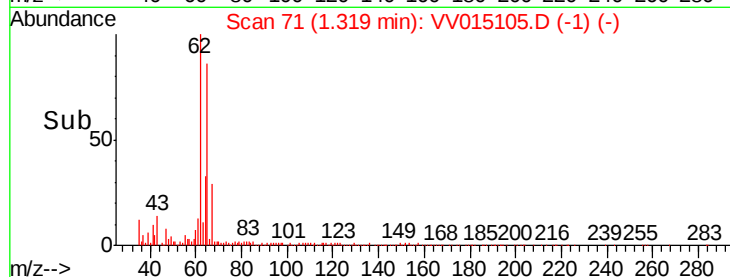
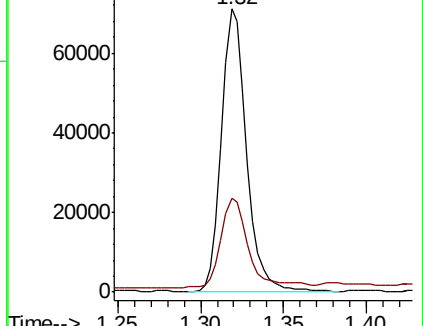
62 100

64 33.3 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV015105.D (-61) (-)

Ion 64.00 (63.70 to 64.70): VV015105.D (-61) (-)



#6

Bromomethane

Concen: 14.503 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015105.D

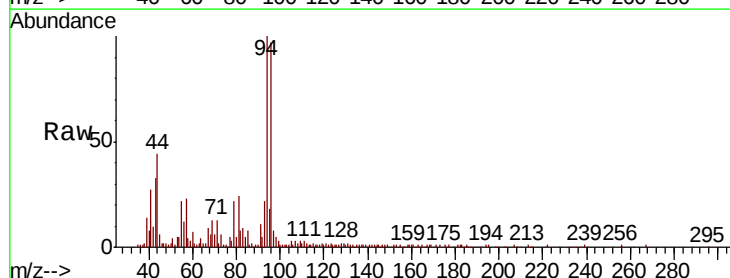
Acq: 23 Mar 2020 23:34

Tgt Ion: 94 Resp: 44562

Ion Ratio Lower Upper

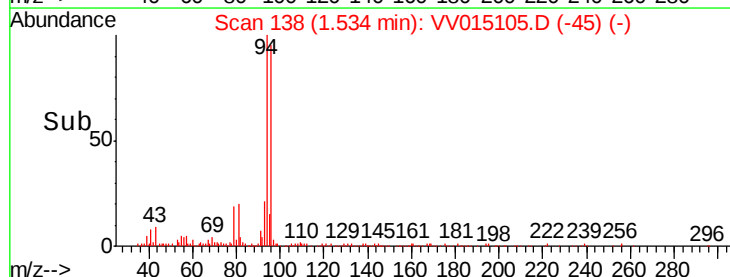
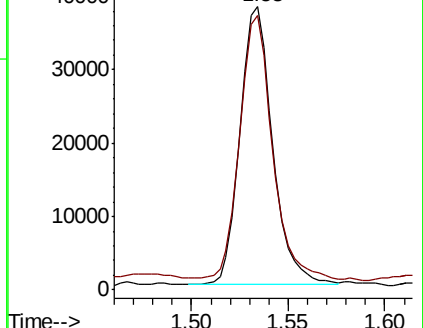
94 100

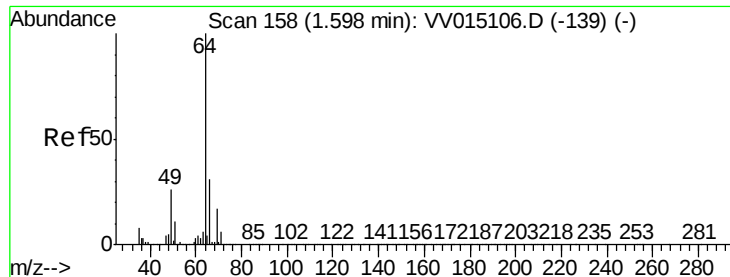
96 97.0 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VV015105.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV015105.D (-129) (-)





#8

Chloroethane

Concen: 22.058 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

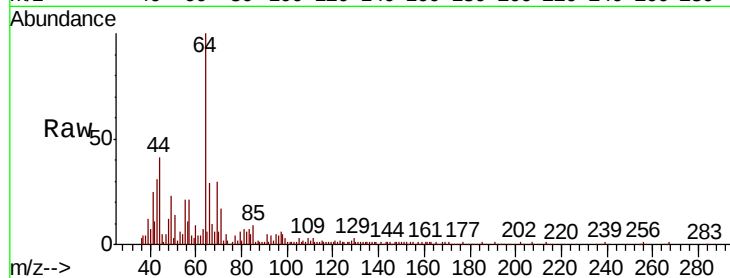
ClientSampleId :

Tot Ion: 64 Resp: 62667

Ion Ratio Lower Upper

64 100

66 29.5 22.0 41.0

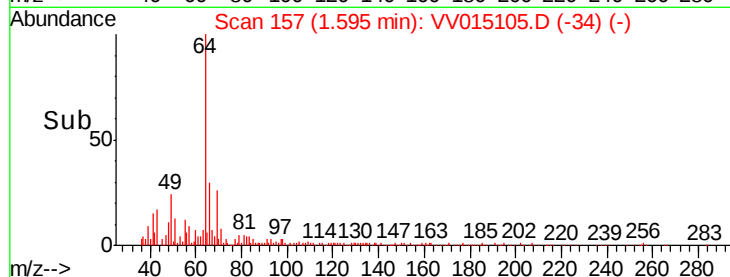


Abundance Ion 64.00 (63.70 to 64.70): VV015106.D (-139) (-)

Ion 66.00 (65.70 to 66.70): VV015106.D (-139) (-)

1.60

Time-->

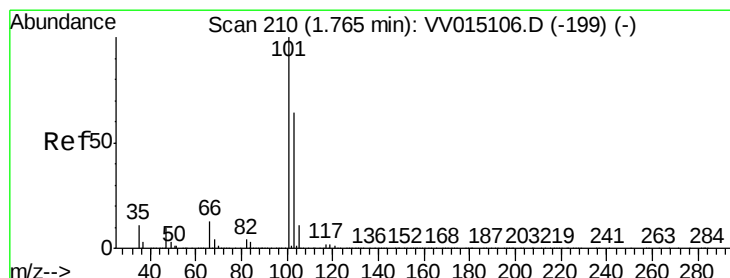


Abundance Ion 64.00 (63.70 to 64.70): VV015105.D (-34) (-)

Ion 66.00 (65.70 to 66.70): VV015105.D (-34) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 12.696 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015105.D

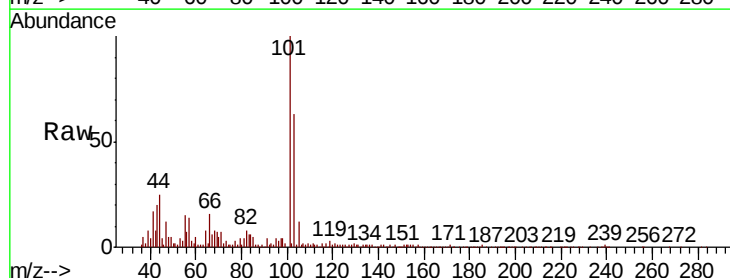
Acq: 23 Mar 2020 23:34

Tgt Ion:101 Resp: 91386

Ion Ratio Lower Upper

101 100

103 64.6 52.0 78.0

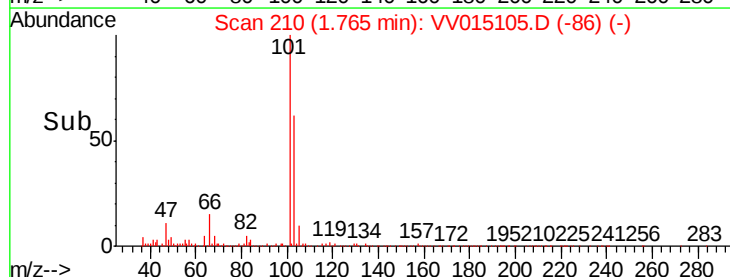


Abundance Ion 101.00 (100.70 to 101.70): VV015106.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015106.D (-199) (-)

1.77

Time-->

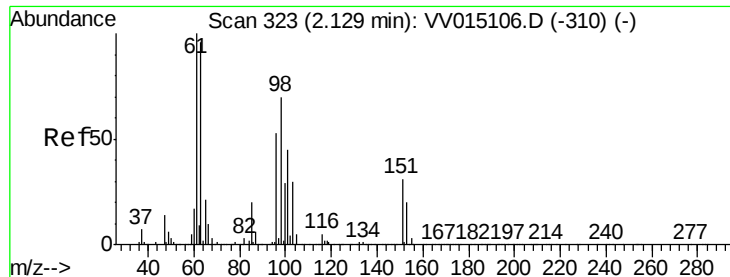


Abundance Ion 101.00 (100.70 to 101.70): VV015105.D (-86) (-)

Ion 103.00 (102.70 to 103.70): VV015105.D (-86) (-)

1.77

Time-->



#10

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

Concen: 13.456 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

ClientSampleId :

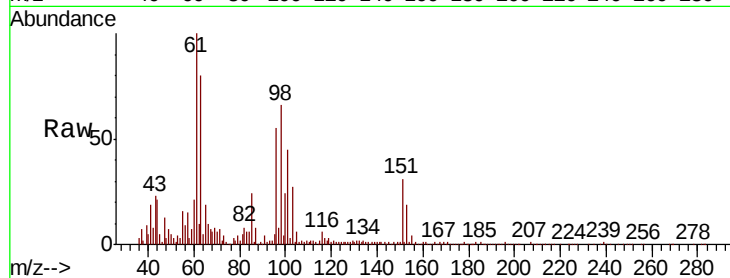
Tot Ion:101 Resp: 46724

Ion Ratio Lower Upper

101 100

85 46.0 37.2 55.8

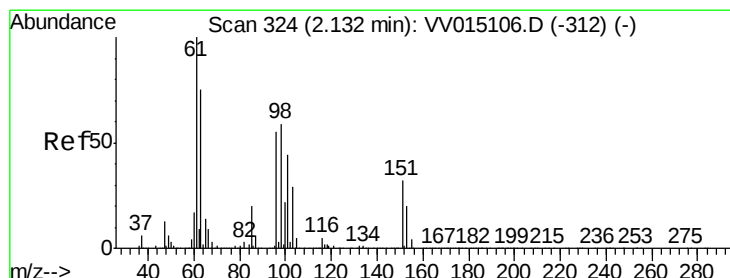
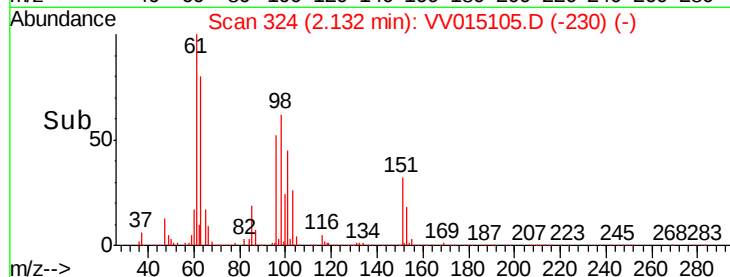
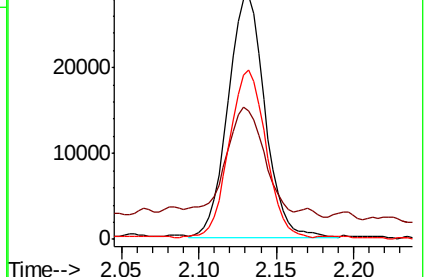
151 68.8 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV015105.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015105.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015105.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 15.563 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

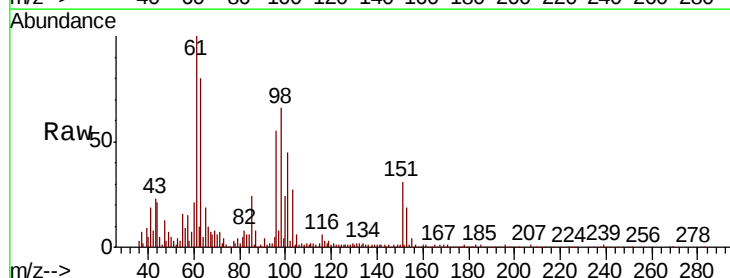
Tgt Ion: 96 Resp: 52200

Ion Ratio Lower Upper

96 100

61 183.0 127.4 236.6

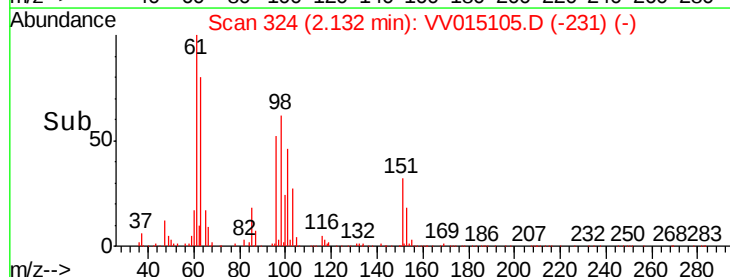
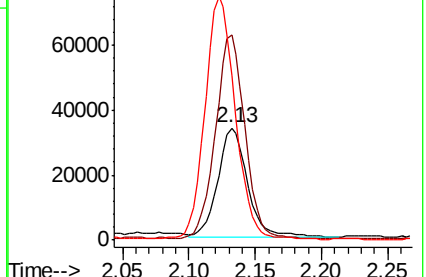
63 147.0 96.6 179.4

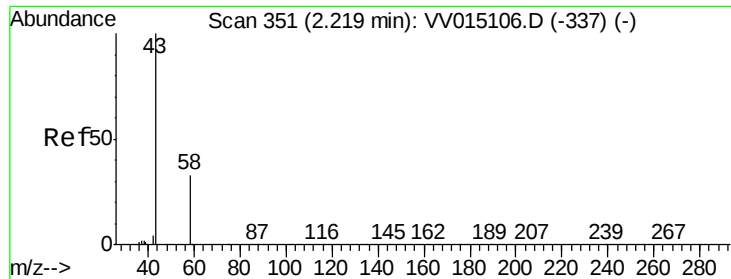


Abundance Ion 96.00 (95.70 to 96.70): VV015105.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015105.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015105.D (-231) (-)





#13

Acetone

Concen: 6.316 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

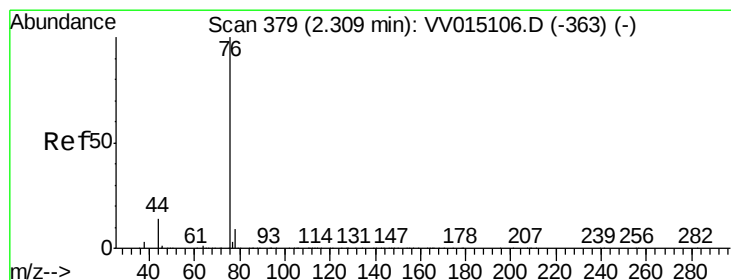
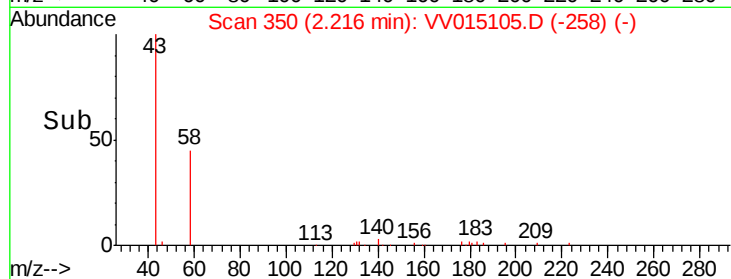
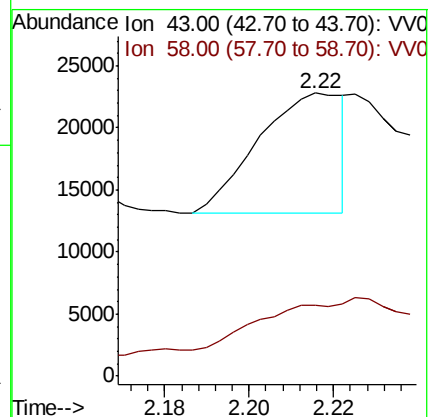
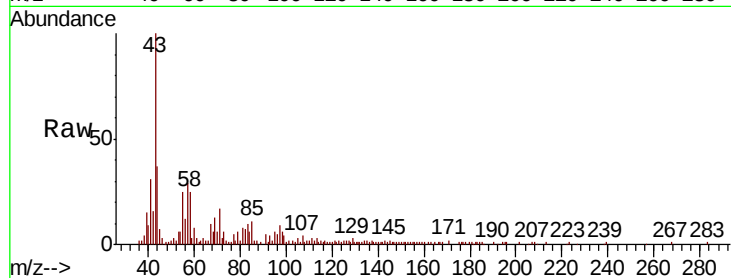
ClientSampled :

Tot Ion: 43 Resp: 13506

Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.2



#14

Carbon disulfide

Concen: 11.267 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV015105.D

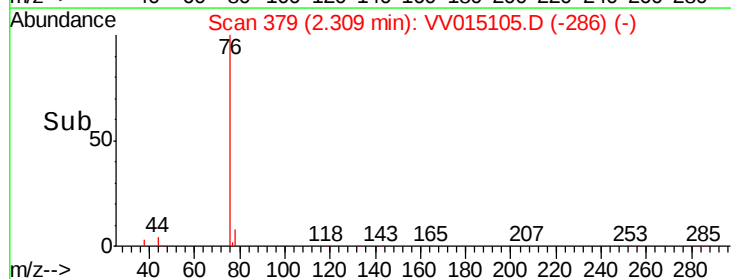
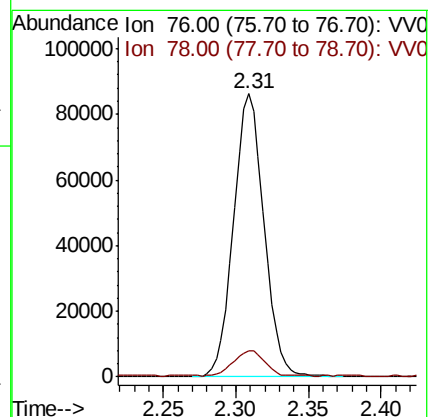
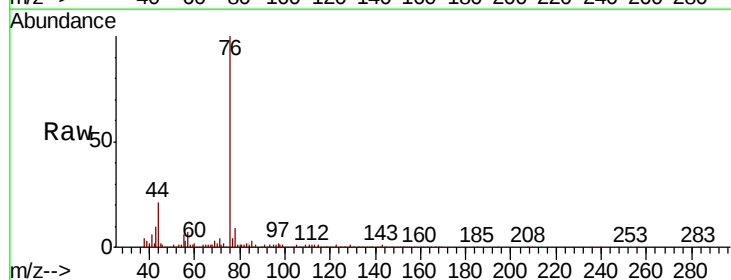
Acq: 23 Mar 2020 23:34

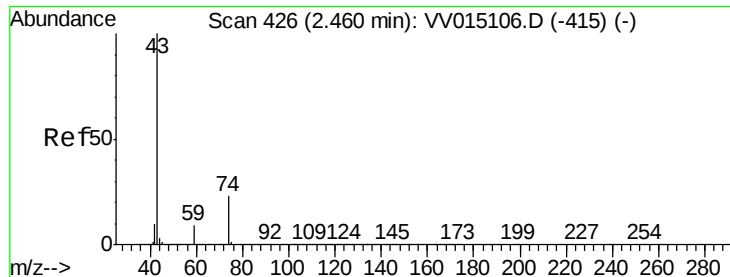
Tgt Ion: 76 Resp: 125219

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

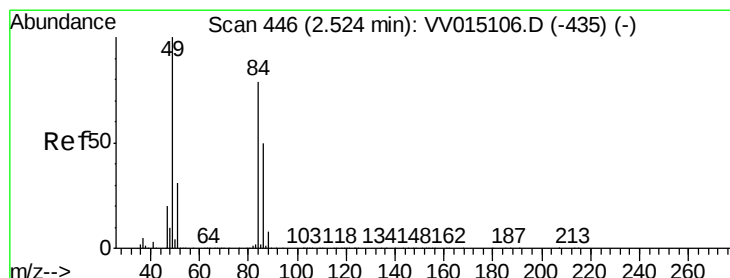
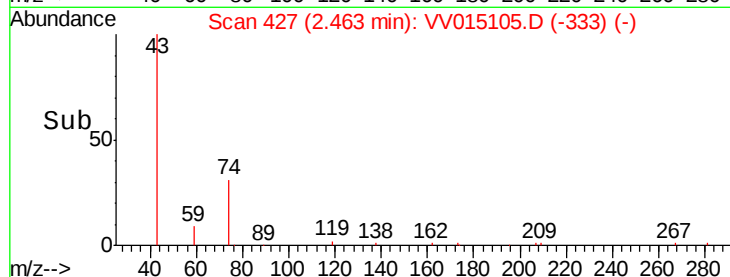
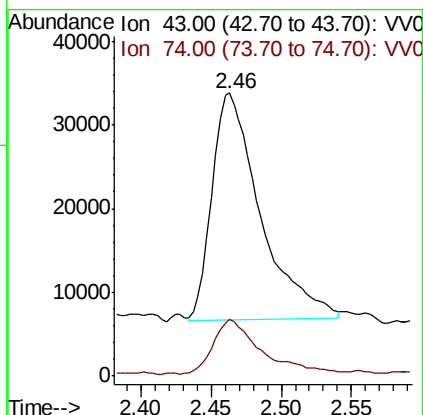
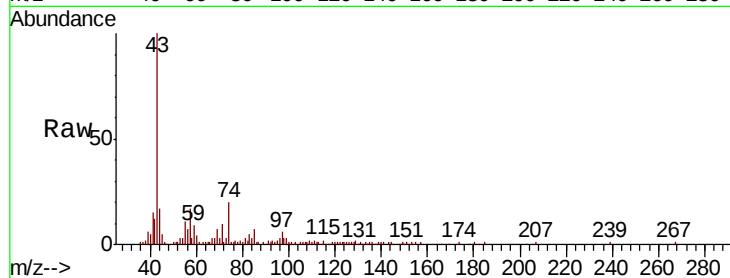




#15
Methvl Acetate
Concen: 16.132 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

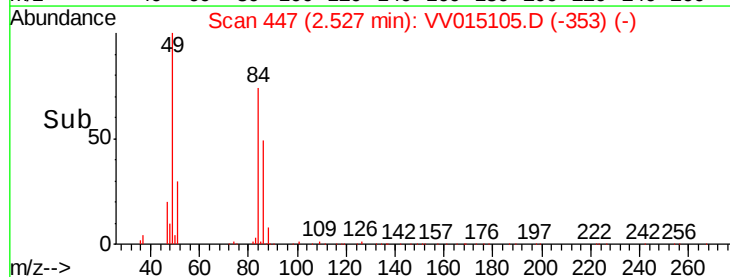
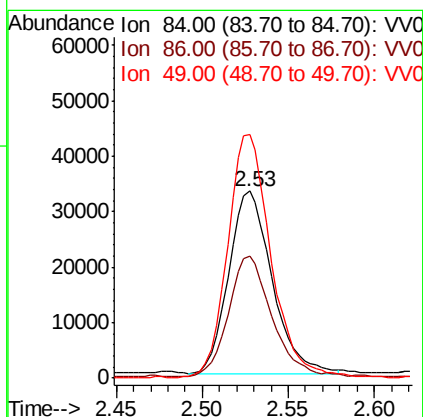
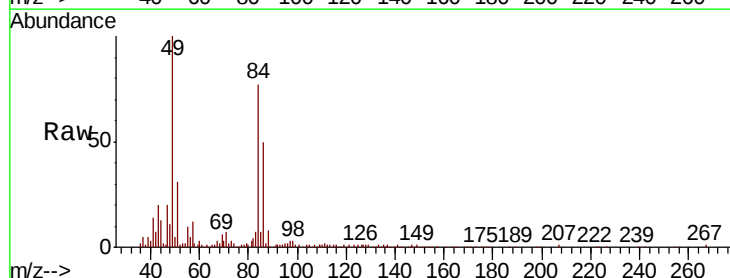
Instrument :
MSVOA_V
ClientSampled :

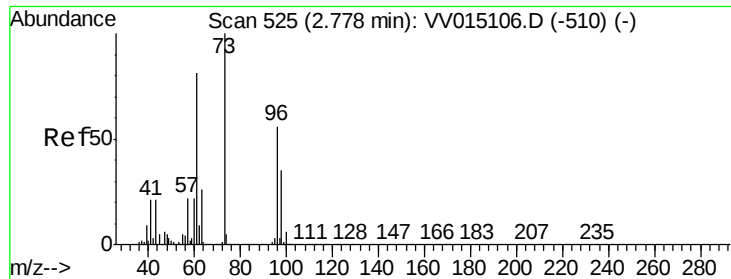
Tot Ion: 43 Resp: 64283
Ion Ratio Lower Upper
43 100
74 23.8 18.8 28.2



#16
Methylene chloride
Concen: 11.588 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

Tgt Ion: 84 Resp: 57760
Ion Ratio Lower Upper
84 100
86 65.3 44.6 82.8
49 130.1 88.4 164.2





#17

trans-1,2-Dichloroethene

Concen: 10.643 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :
MSVOA_V
ClientSampled :

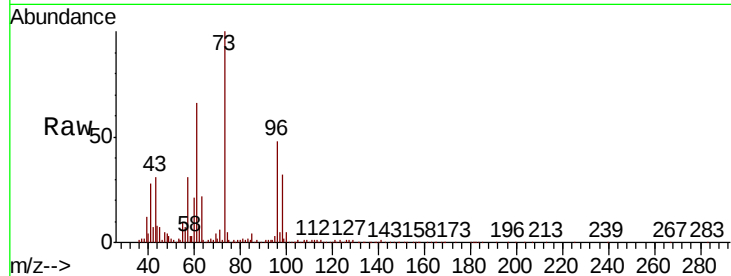
Tot Ion: 96 Resp: 48981

Ion Ratio Lower Upper

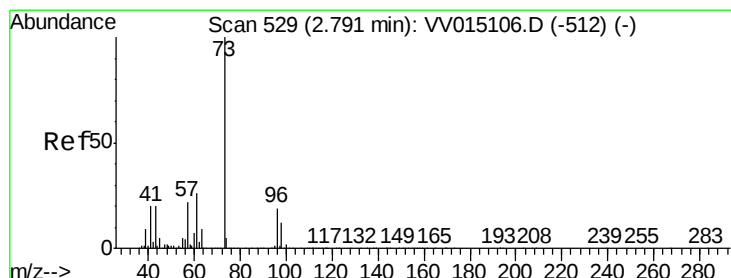
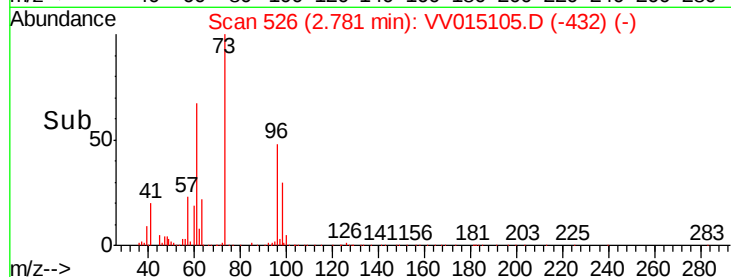
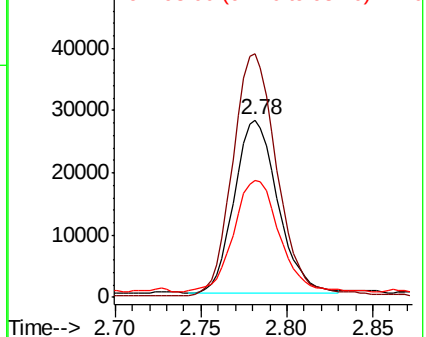
96 100

61 137.3 101.7 188.9

98 65.6 44.5 82.7



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: 12.241 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

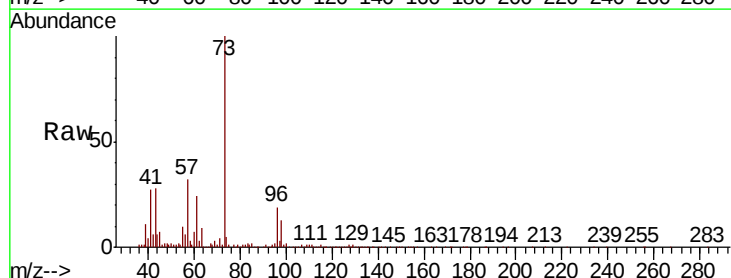
Tgt Ion: 73 Resp: 182662

Ion Ratio Lower Upper

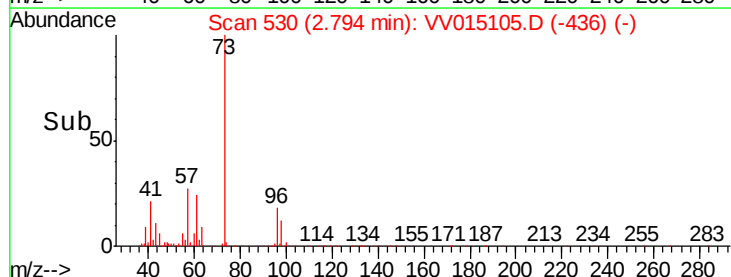
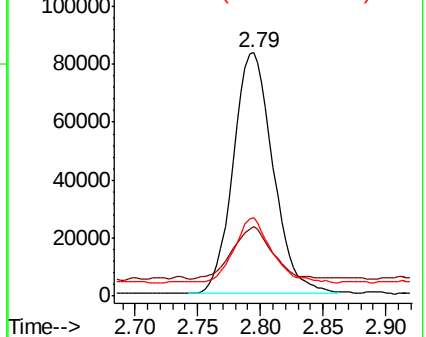
73 100

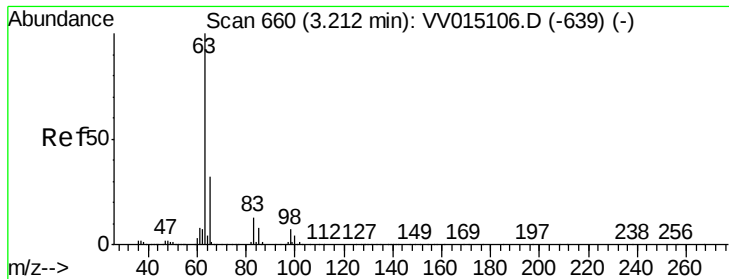
43 21.3 16.7 25.1

57 23.9 17.8 26.8



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: 12.339 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

ClientSampled :

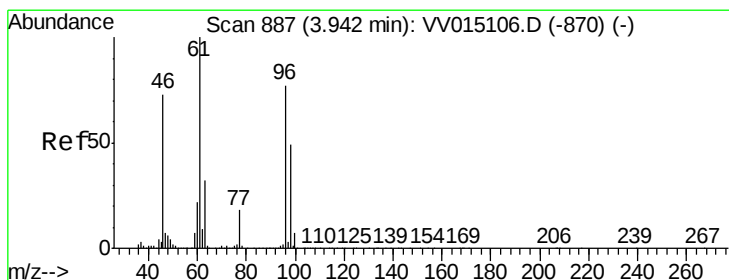
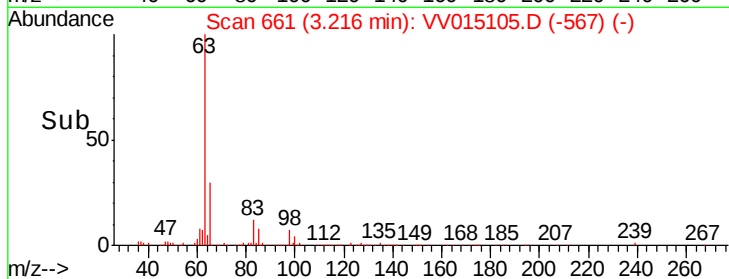
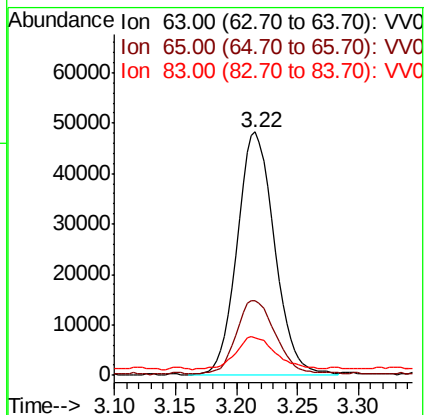
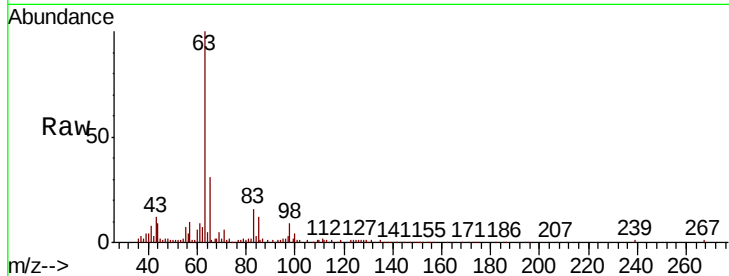
Tot Ion: 63 Resp: 101414

Ion Ratio Lower Upper

63 100

65 30.8 22.4 41.6

83 15.5 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 10.476 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

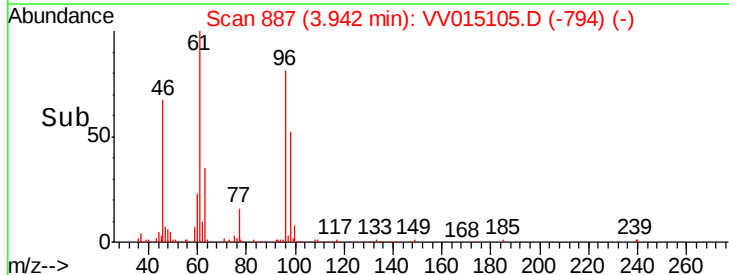
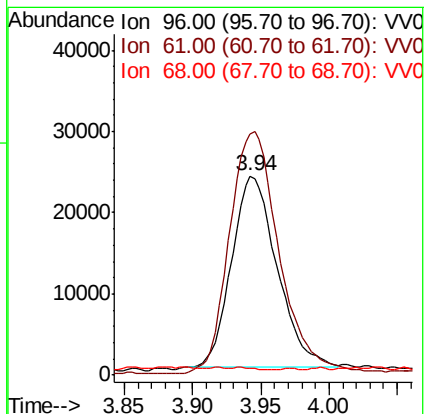
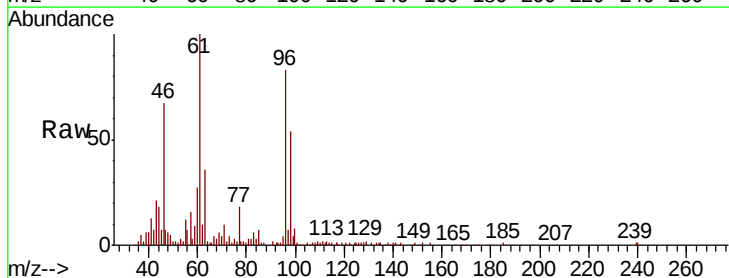
Tgt Ion: 96 Resp: 54585

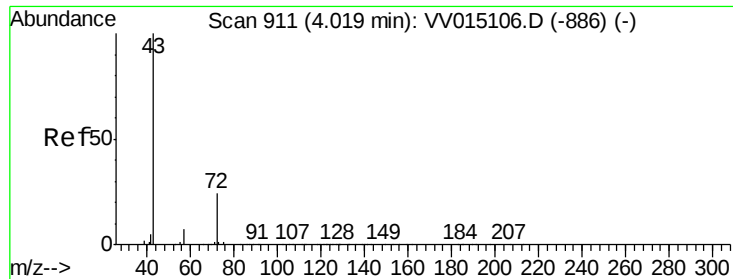
Ion Ratio Lower Upper

96 100

61 121.2 90.2 167.4

68 3.3 0.3 0.7#





#22

2-Butanone

Concen: 12.377 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

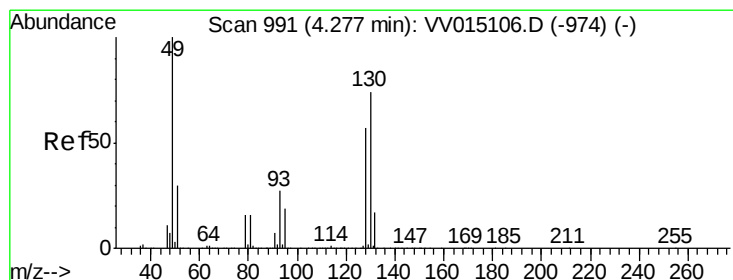
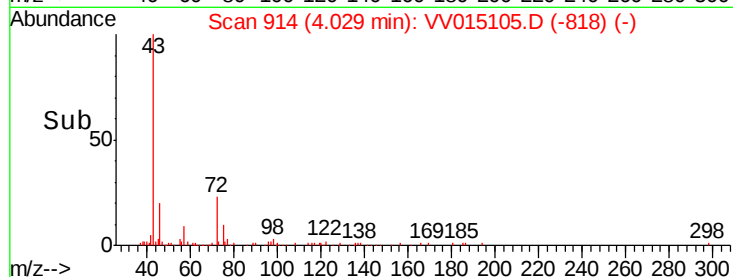
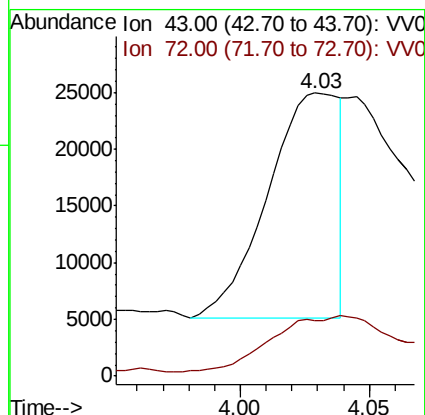
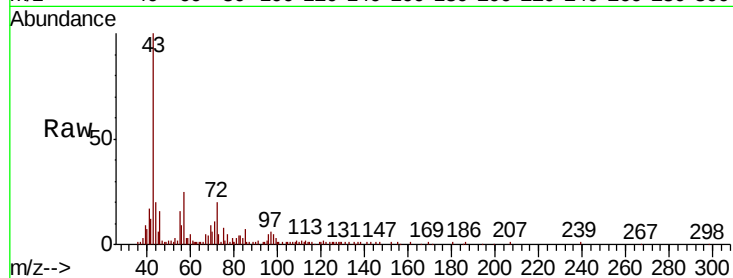
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 38479

Ion Ratio Lower Upper

43 100

72 16.6 11.6 34.8



#23

Bromochloromethane

Concen: 10.232 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Tgt Ion: 128 Resp: 28439

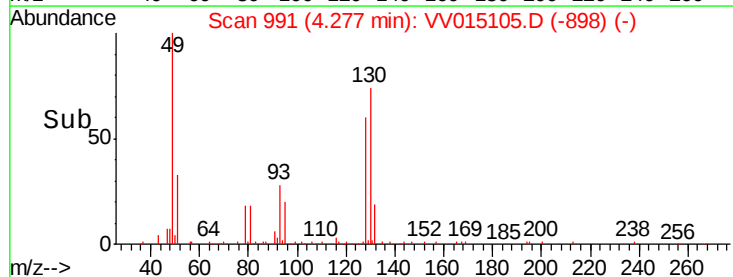
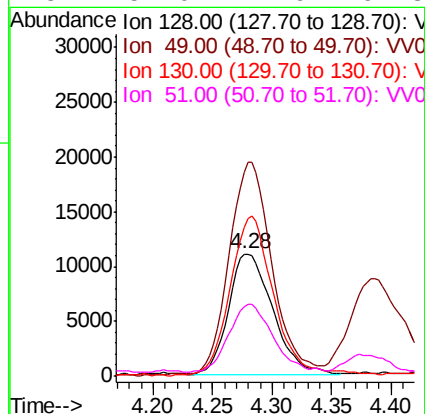
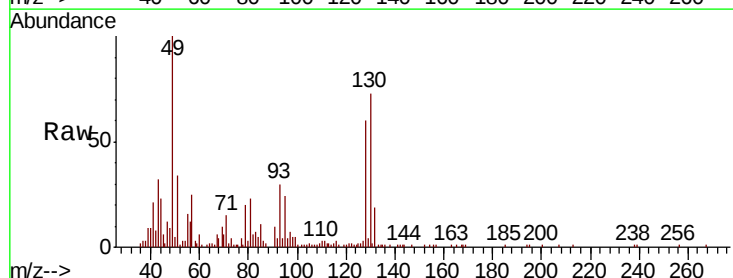
Ion Ratio Lower Upper

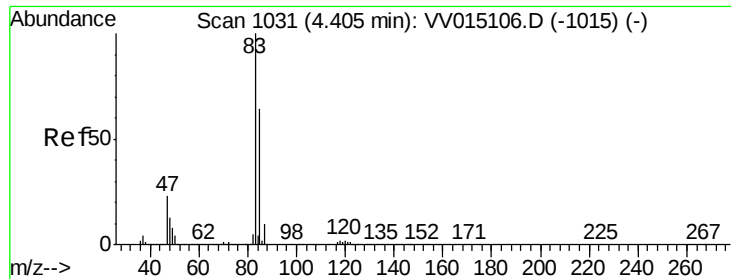
128 100

49 166.8 122.4 227.2

130 121.9 90.5 168.1

51 57.0 42.9 64.3

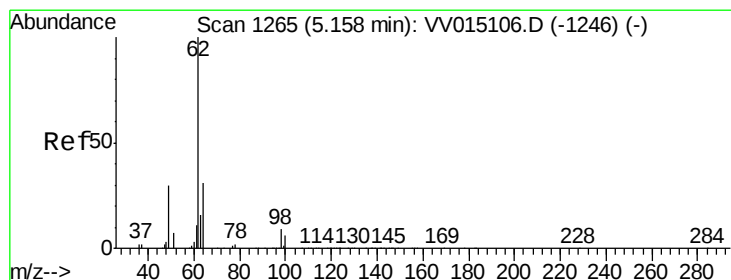
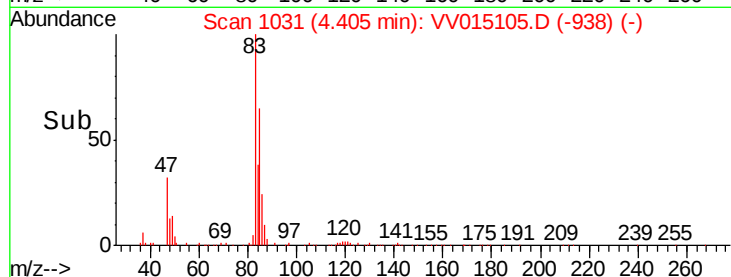
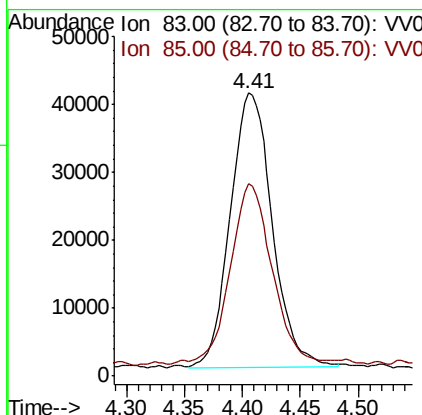
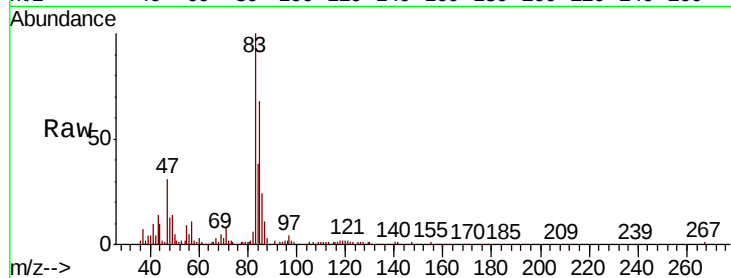




#25
Chloroform
Concen: 11.339 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

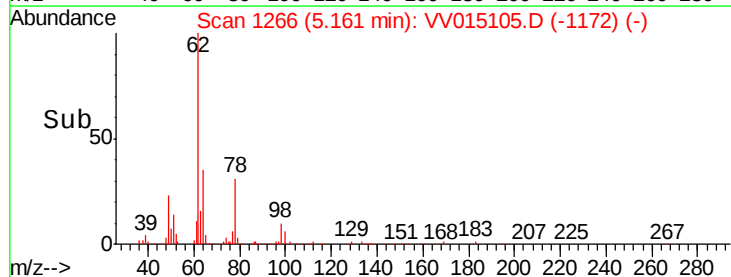
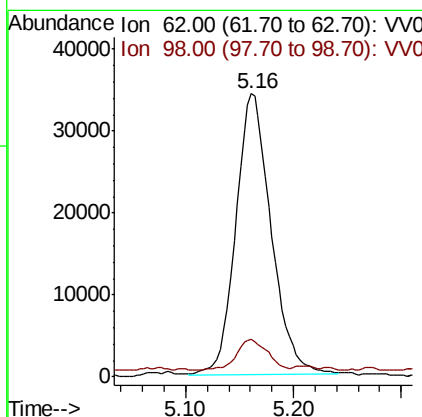
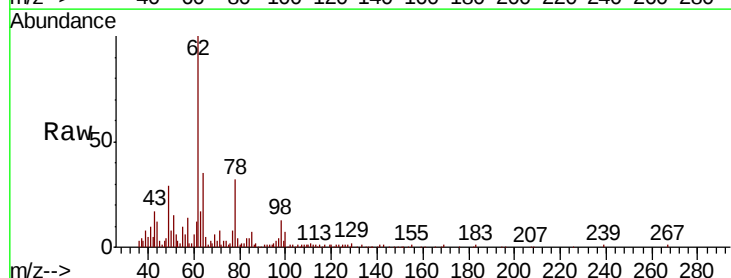
Instrument :
MSVOA_V
ClientSampleId :

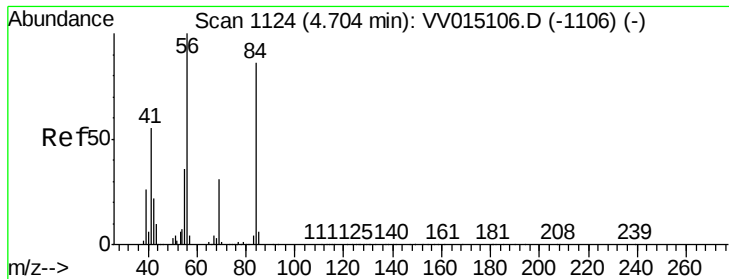
Tot Ion: 83 Resp: 101697
Ion Ratio Lower Upper
83 100
85 67.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 11.517 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

Tgt Ion: 62 Resp: 77905
Ion Ratio Lower Upper
62 100
98 13.1 8.0 12.0#

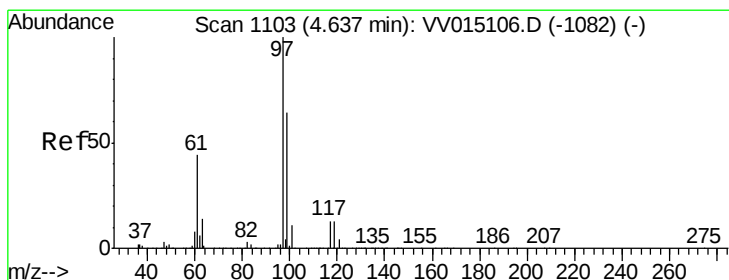
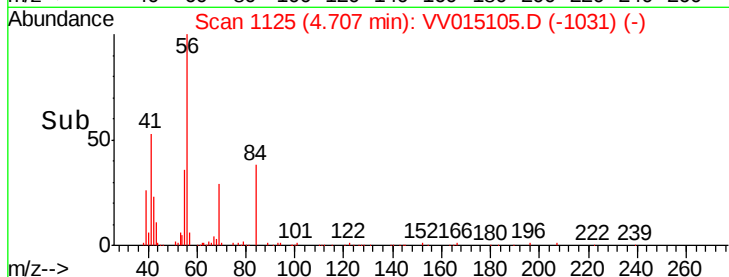
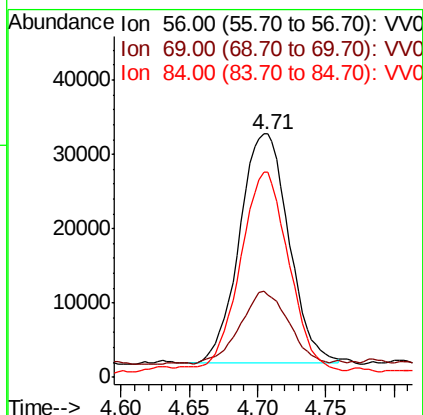
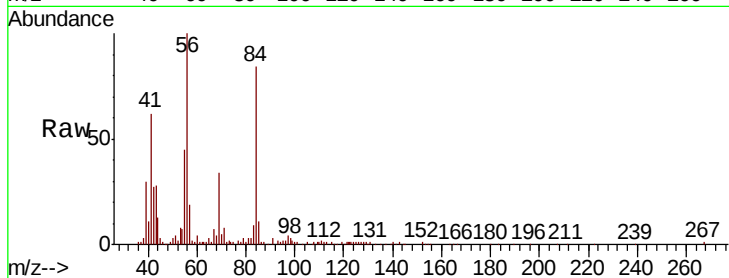




#29
Cyclohexane
Concen: 11.911 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

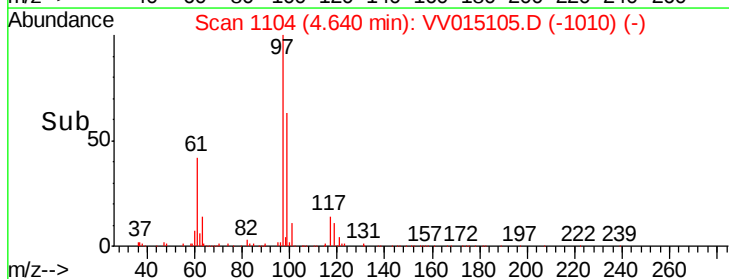
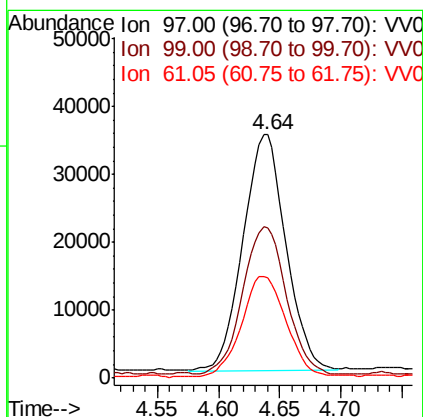
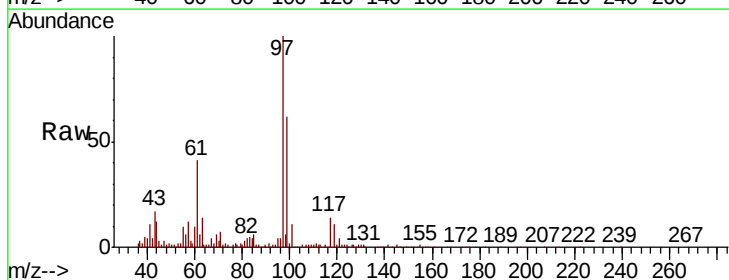
Instrument :
MSVOA_V
ClientSampleId :

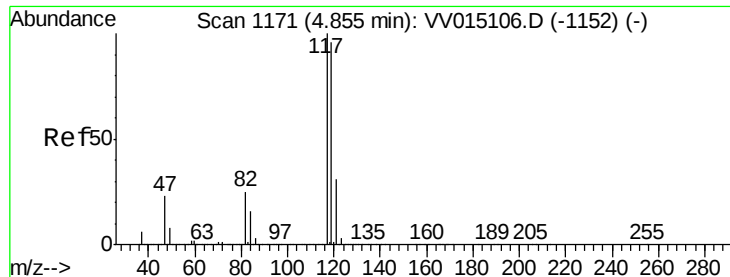
Tot Ion: 56 Resp: 77550
Ion Ratio Lower Upper
56 100
69 31.6 24.8 37.2
84 84.3 68.9 103.3



#30
1,1,1-Trichloroethane
Concen: 11.217 ug/L
RT: 4.64 min Scan# 1104
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

Tgt Ion: 97 Resp: 84645
Ion Ratio Lower Upper
97 100
99 63.1 52.4 78.6
61 44.0 35.3 52.9





#31

Carbon tetrachloride

Concen: 10.492 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

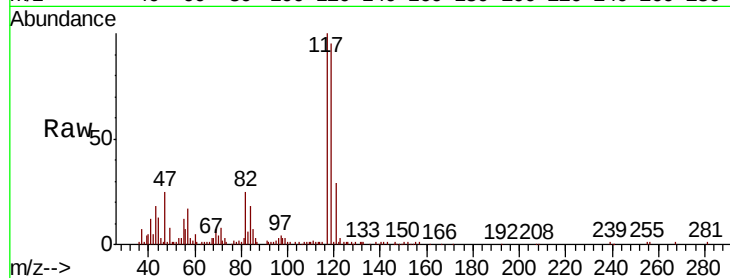
ClientSampleId :

Tot Ion:117 Resp: 70412

Ion Ratio Lower Upper

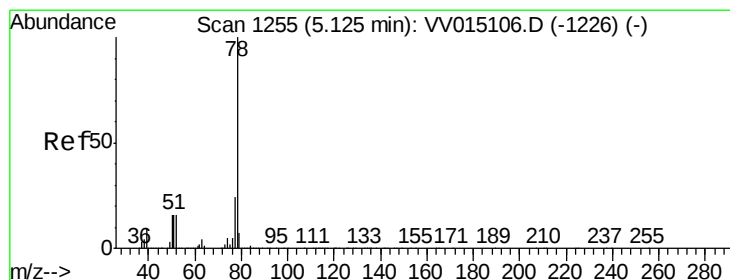
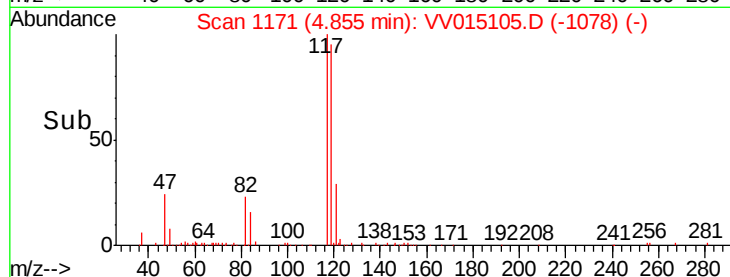
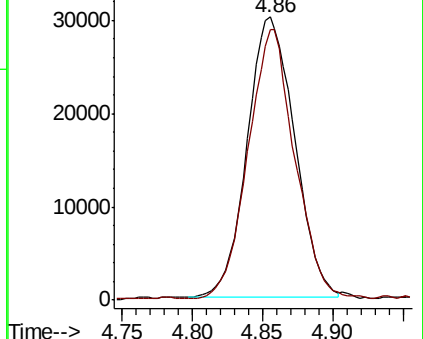
117 100

119 95.0 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 12.391 ug/L

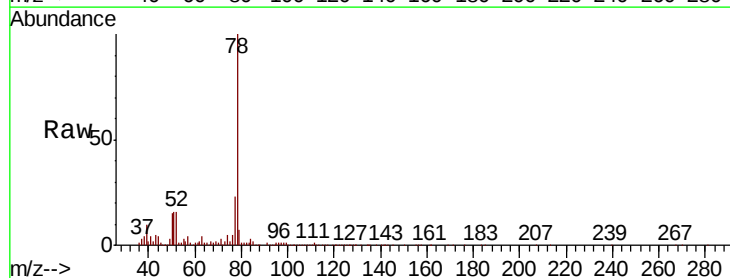
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

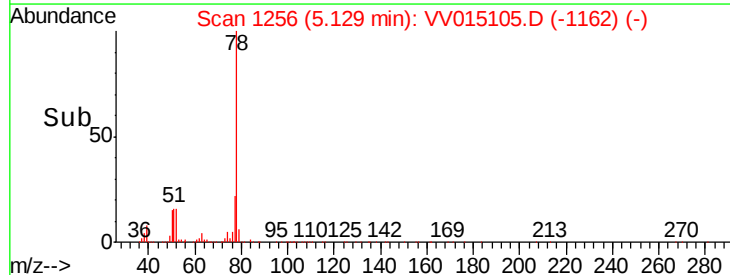
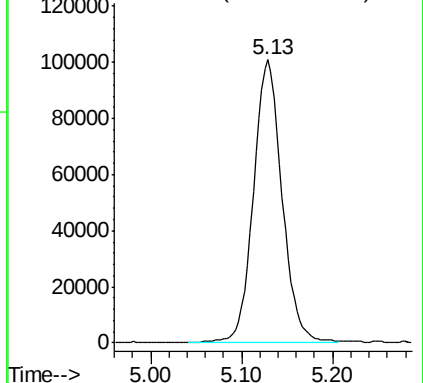
Lab File: VV015105.D

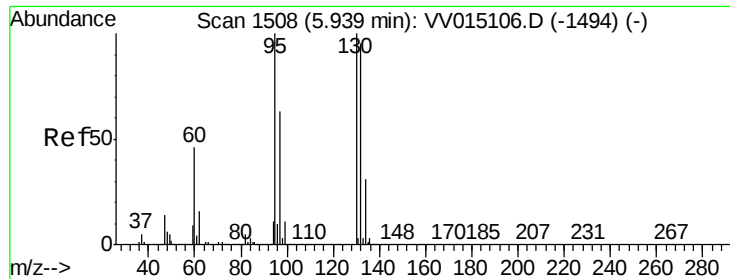
Acq: 23 Mar 2020 23:34

Tgt Ion: 78 Resp: 218831



Abundance Ion 78.00 (77.70 to 78.70): VV0

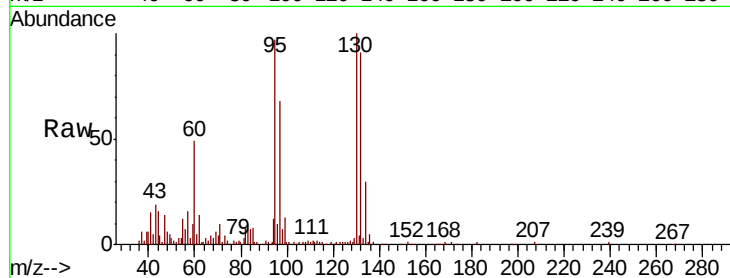




#34
 Trichloroethene
 Concen: 11.008 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	51617
Ion	Ratio	Lower	Upper
95	100		
97	69.9	45.0	83.6
132	94.2	66.4	123.2
130	103.3	69.8	129.6



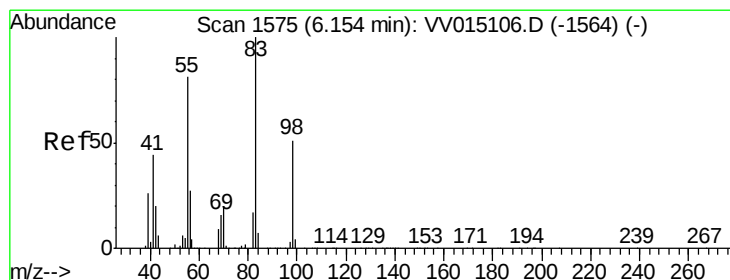
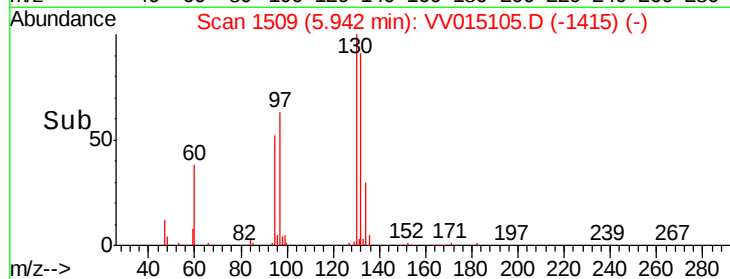
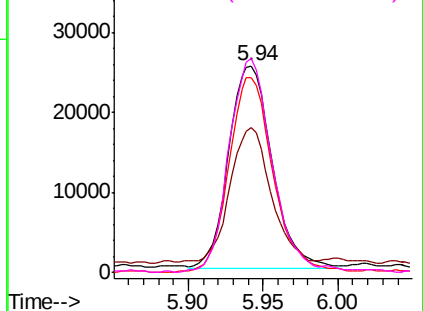
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

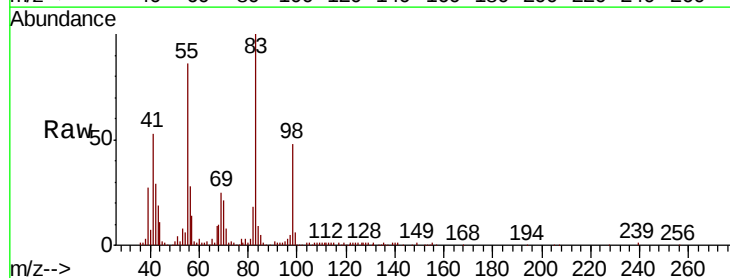
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 10.188 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Tgt Ion:	83	Resp:	75202
Ion	Ratio	Lower	Upper
83	100		
55	82.7	61.8	92.8
98	50.3	38.1	57.1

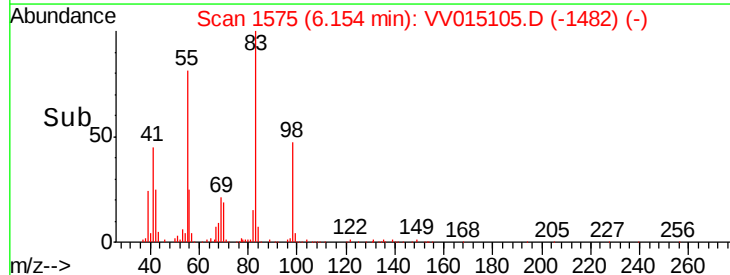
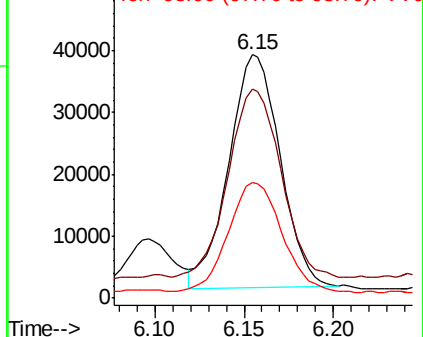


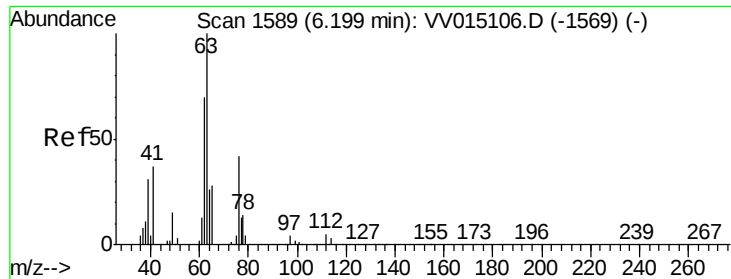
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 12.993 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

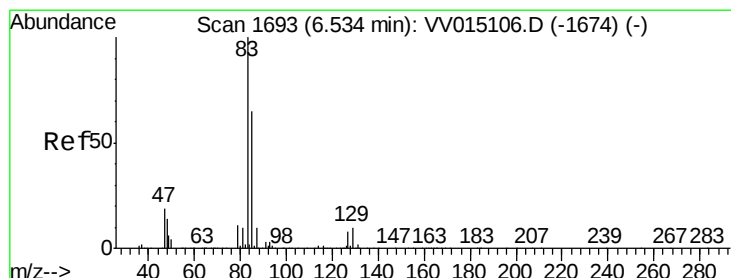
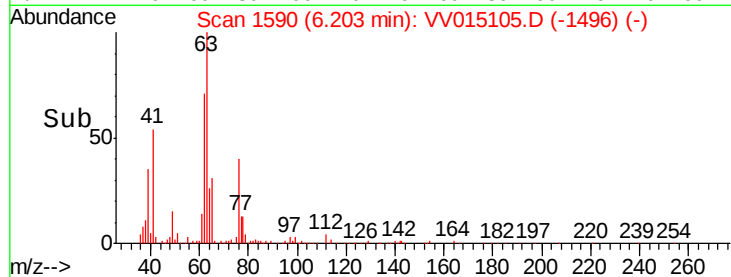
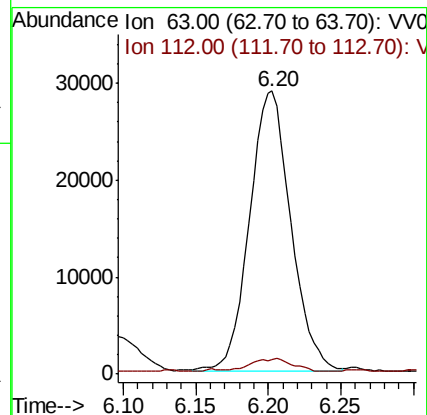
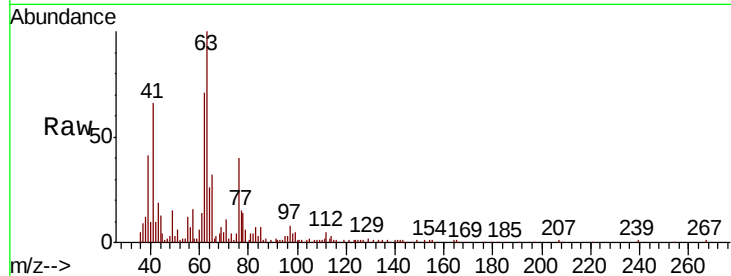
ClientSampleId :

Tot Ion: 63 Resp: 57279

Ion Ratio Lower Upper

63 100

112 1.7 3.6 5.4#



#38

Bromodichloromethane

Concen: 12.703 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

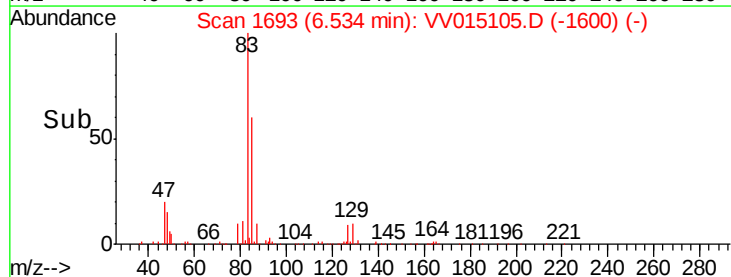
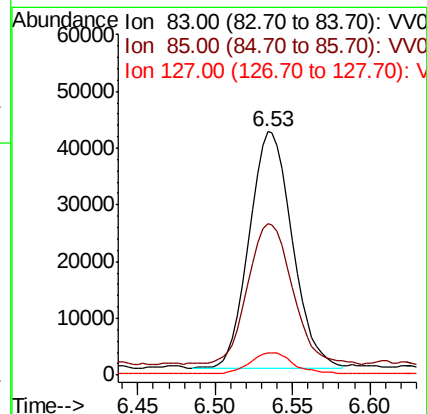
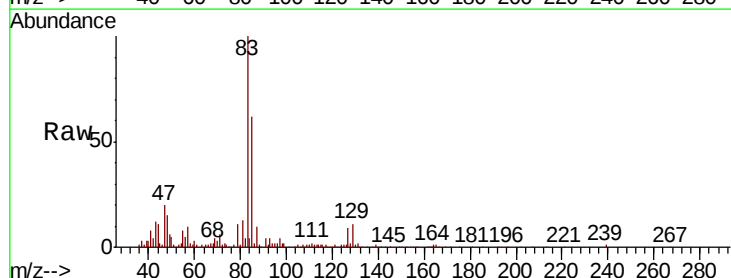
Tgt Ion: 83 Resp: 80418

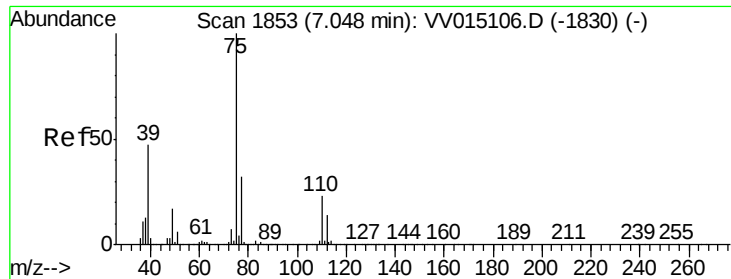
Ion Ratio Lower Upper

83 100

85 62.2 45.6 84.8

127 9.3 6.5 9.7

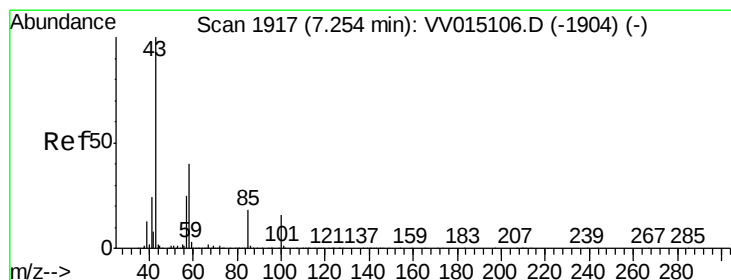
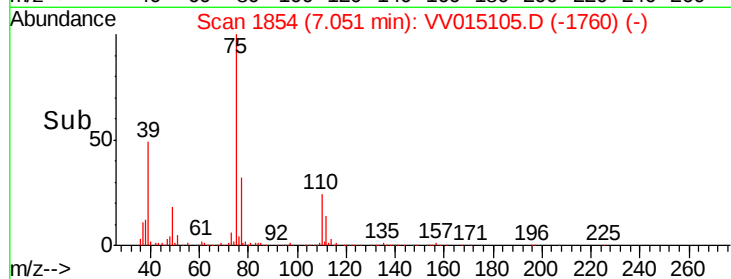
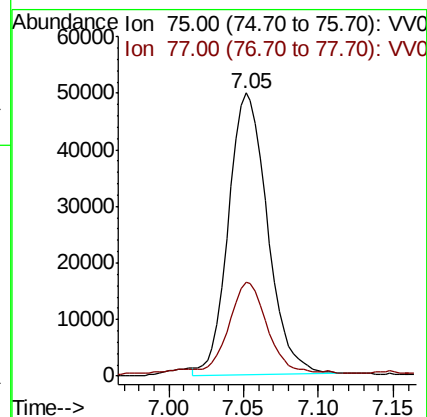
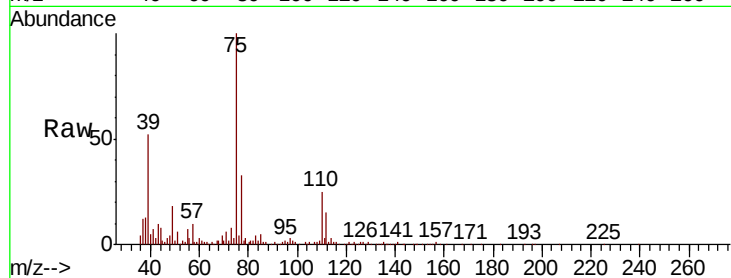




#39
 cis-1,3-Dichloropropene
 Concen: 12.353 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

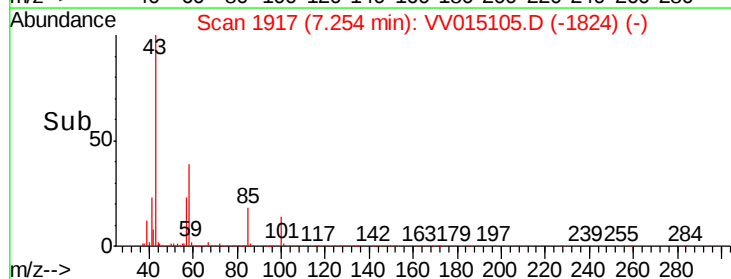
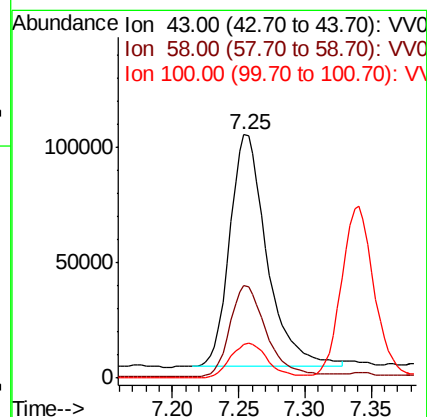
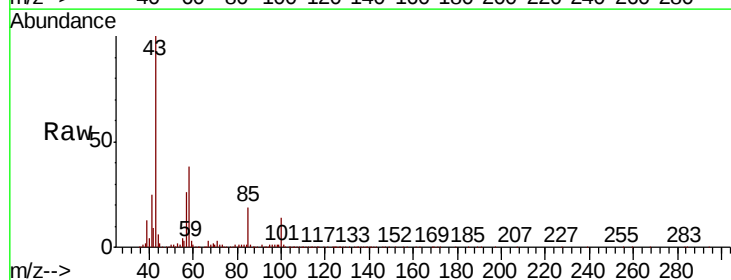
Instrument :
 MSVOA_V
 ClientSampled :

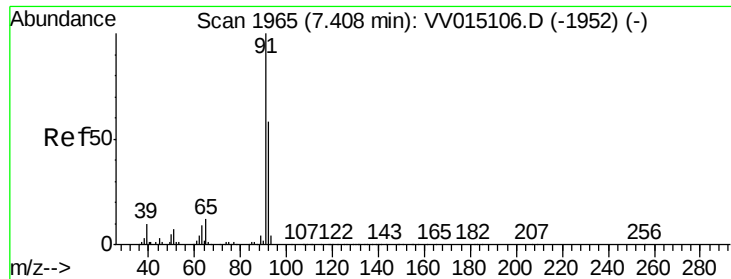
Tot Ion: 75 Resp: 90048
 Ion Ratio Lower Upper
 75 100
 77 33.2 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 30.493 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Tgt Ion: 43 Resp: 194608
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.8
 100 15.0 12.2 18.4





#42

Toluene

Concen: 11.514 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

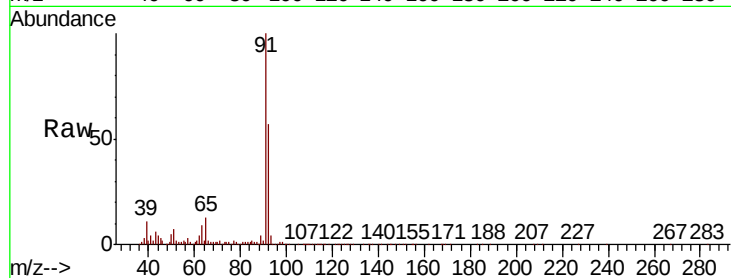
ClientSampleId :

Tot Ion: 91 Resp: 226704

Ion Ratio Lower Upper

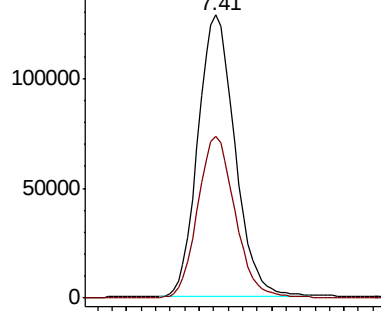
91 100

92 57.3 40.3 74.8

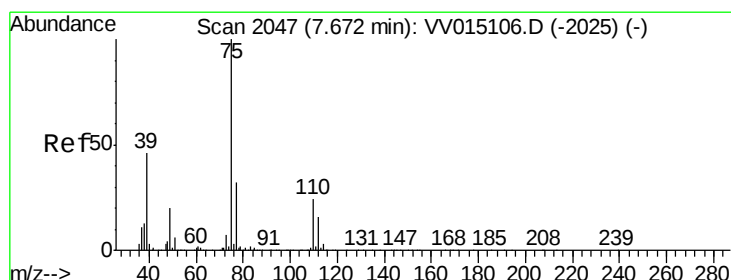
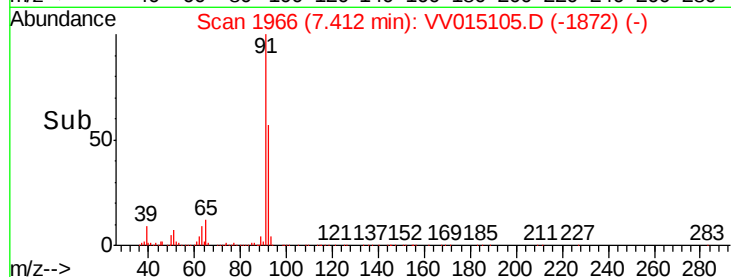


Abundance Ion 91.00 (90.70 to 91.70): VV015106.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV015105.D (-1872) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 13.327 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015105.D

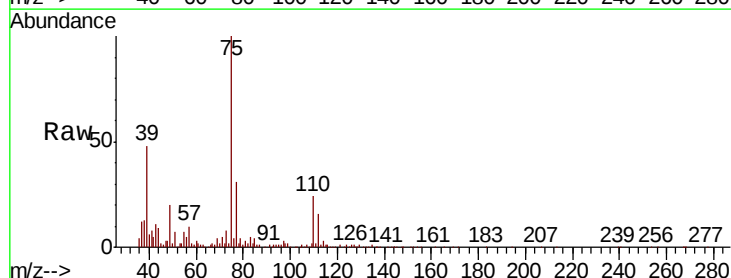
Acq: 23 Mar 2020 23:34

Tgt Ion: 75 Resp: 87988

Ion Ratio Lower Upper

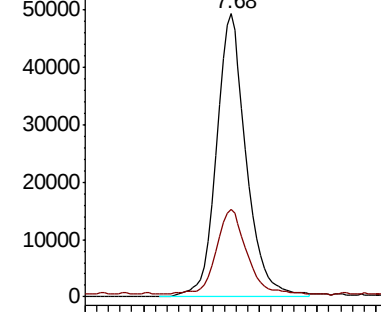
75 100

77 30.9 22.2 41.2

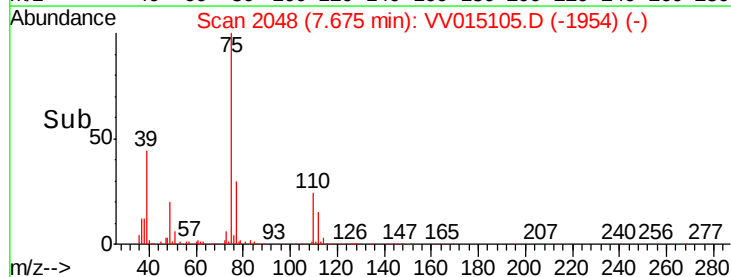


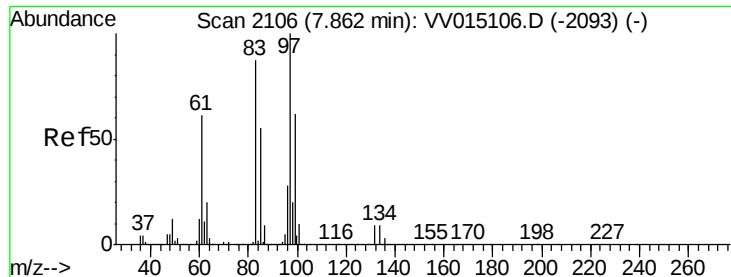
Abundance Ion 75.00 (74.70 to 75.70): VV015106.D (-2025) (-)

Ion 77.00 (76.70 to 77.70): VV015105.D (-1954) (-)



Time-->





#45

1,1,2-Trichloroethane

Concen: 12.004 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 55626

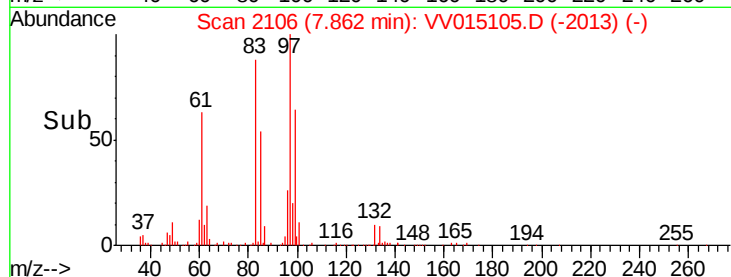
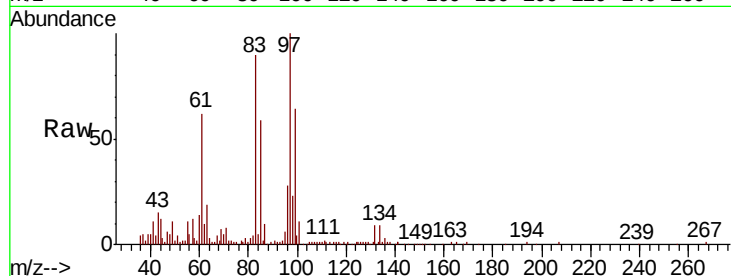
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.8	81.3
83	90.3	61.0	113.4
85	58.9	38.7	71.9

97 100

99 64.3 43.8 81.3

83 90.3 61.0 113.4

85 58.9 38.7 71.9



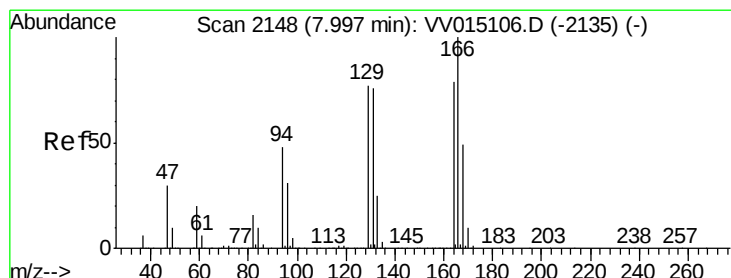
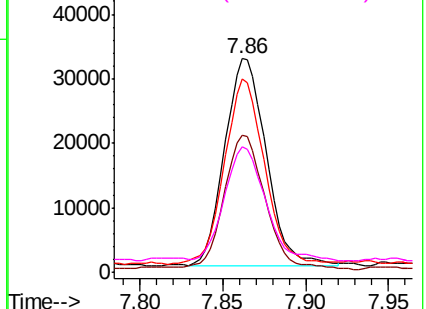
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 8.474 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Tgt Ion: 164 Resp: 35638

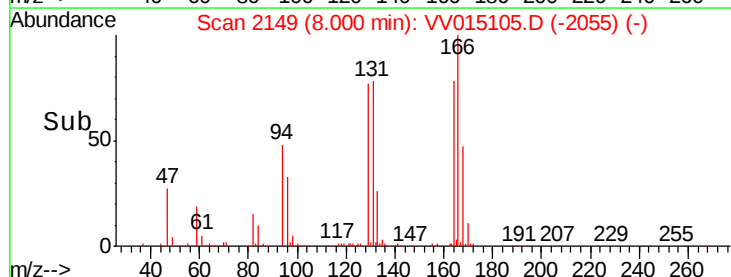
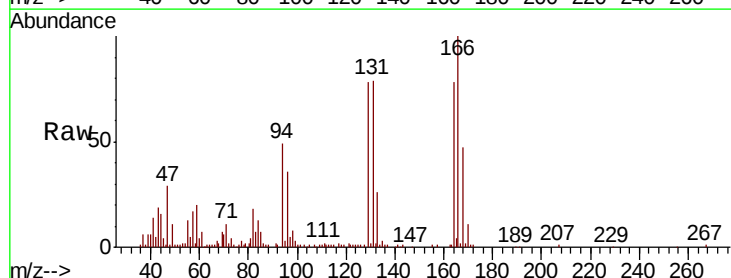
Ion	Ratio	Lower	Upper
164	100		
129	99.4	68.3	126.8
131	100.8	67.3	125.1
166	127.4	88.1	163.7

164 100

129 99.4 68.3 126.8

131 100.8 67.3 125.1

166 127.4 88.1 163.7



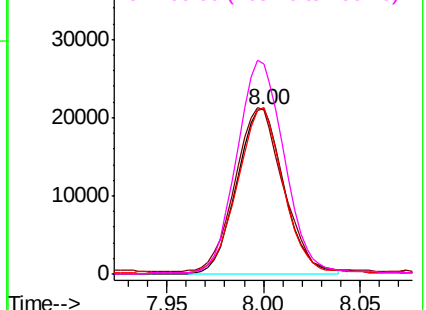
Abundance

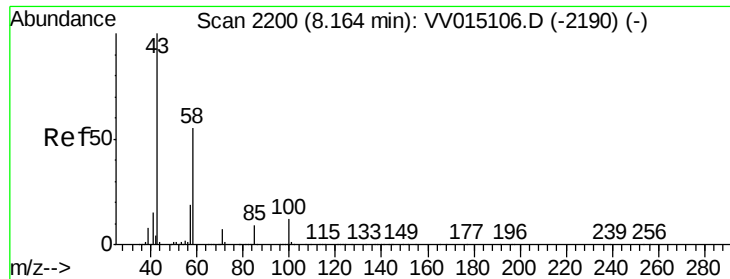
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

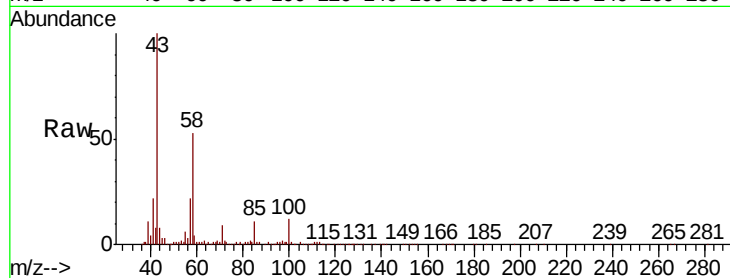




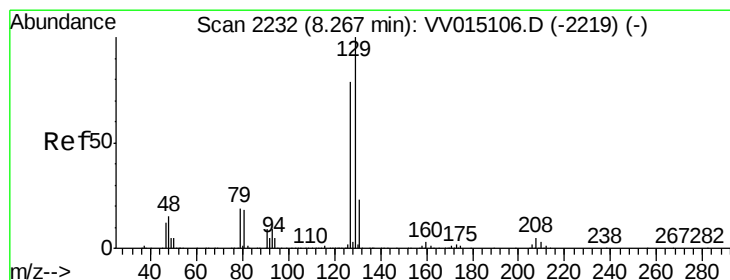
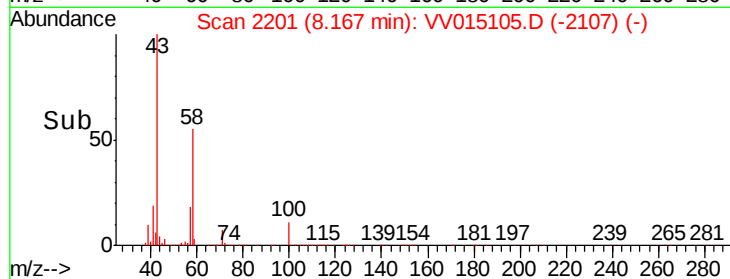
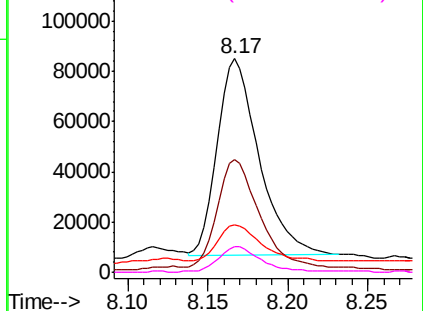
#48
2-Hexanone
Concen: 29.371 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 140982
Ion Ratio Lower Upper
43 100
58 54.4 44.2 66.2
57 18.0 14.0 21.0
100 12.7 9.6 14.4

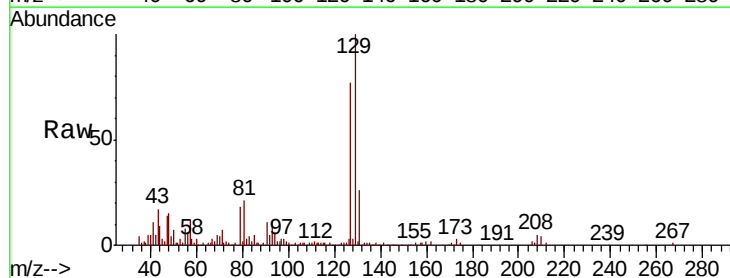


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

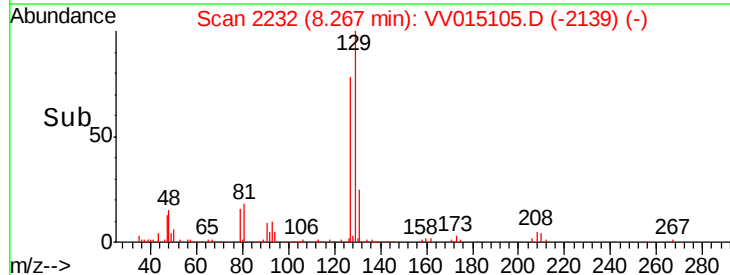
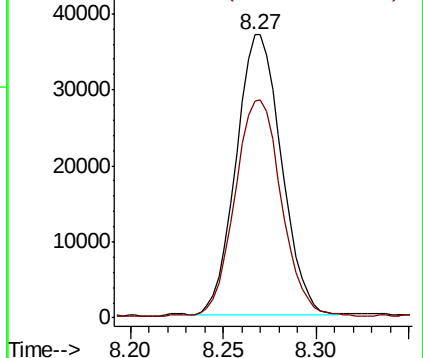


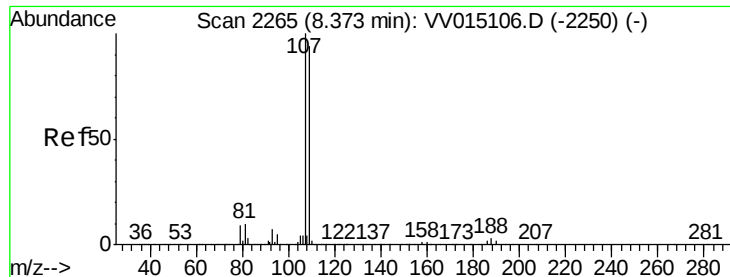
#49
Dibromochloromethane
Concen: 11.584 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

Tgt Ion: 129 Resp: 62328
Ion Ratio Lower Upper
129 100
127 76.8 55.2 102.6



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

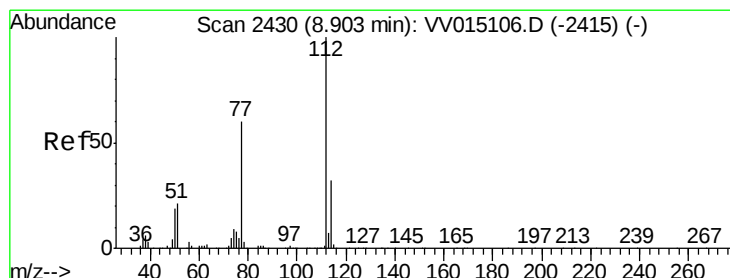
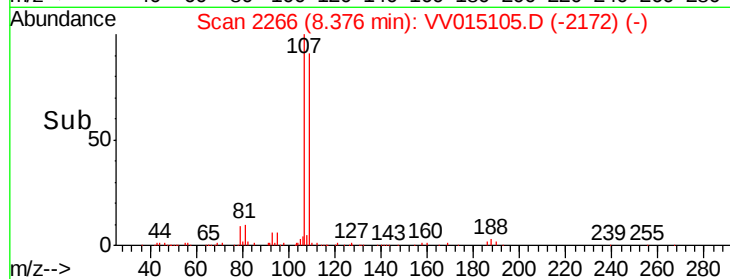
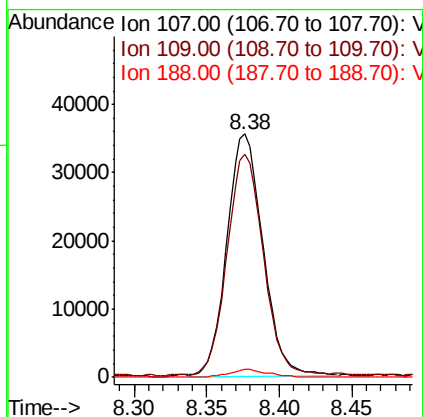
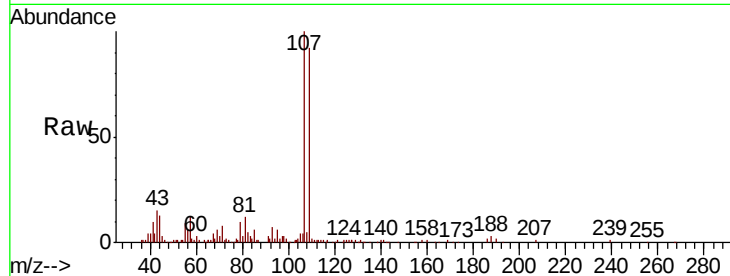




#50
 1,2-Dibromoethane
 Concen: 11.975 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

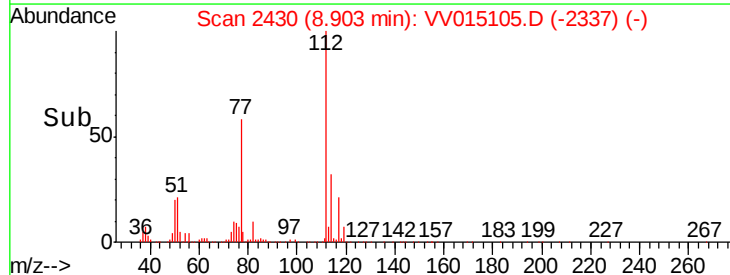
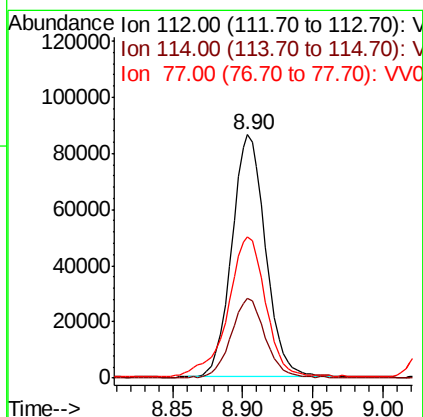
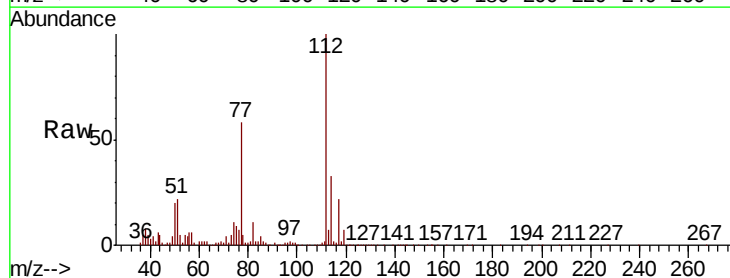
Instrument :
 MSVOA_V
 ClientSampleId :

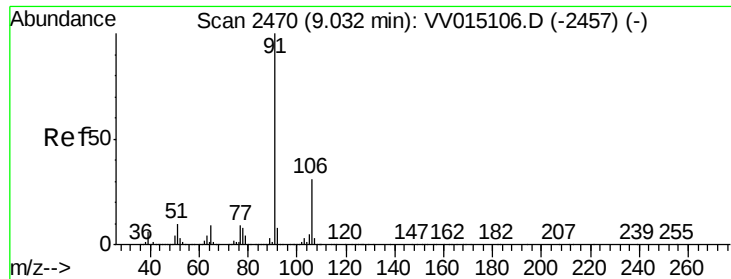
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	65.9	122.5
188	3.3	2.4	3.6



#51
 Chlorobenzene
 Concen: 10.615 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.3	41.3
77	58.2	48.1	72.1

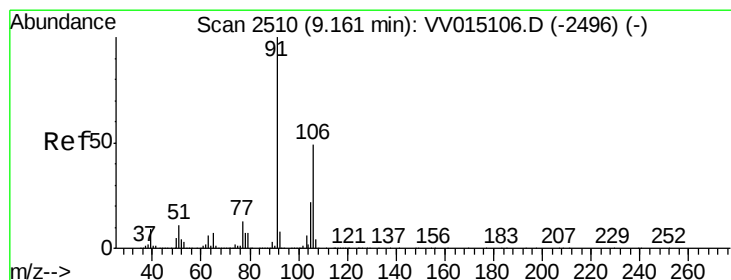
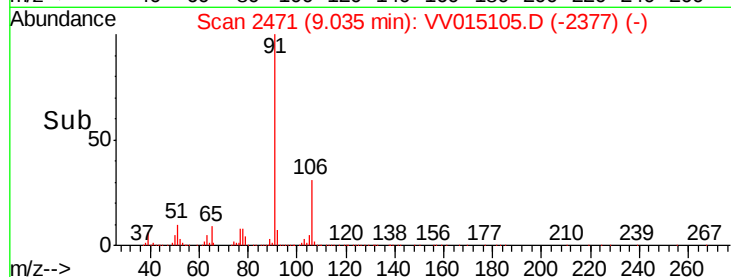
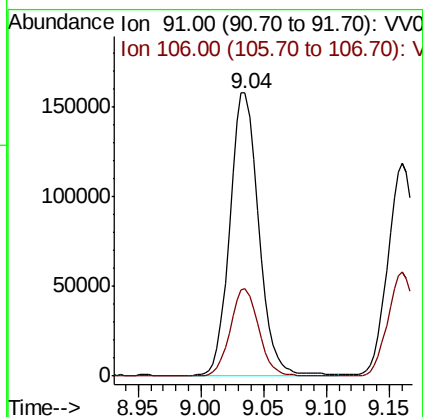
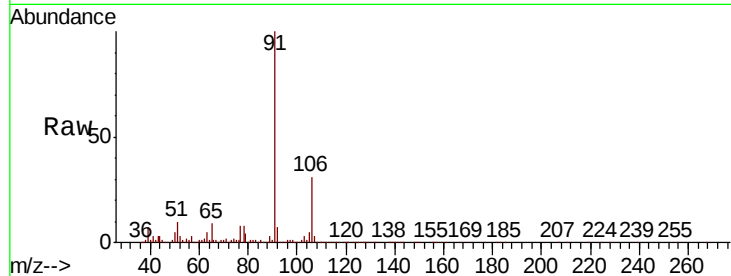




#52
Ethylbenzene
Concen: 11.222 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

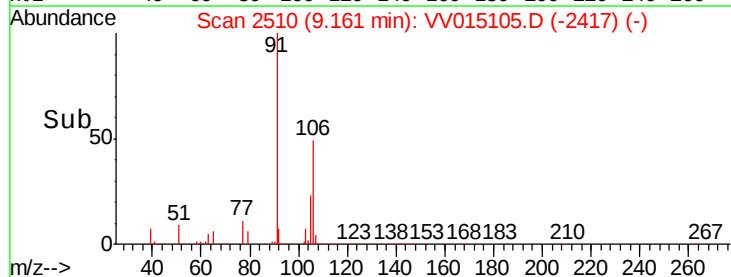
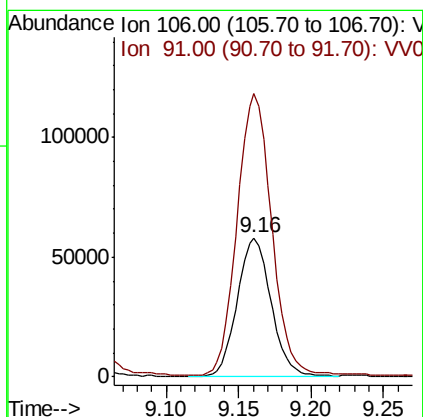
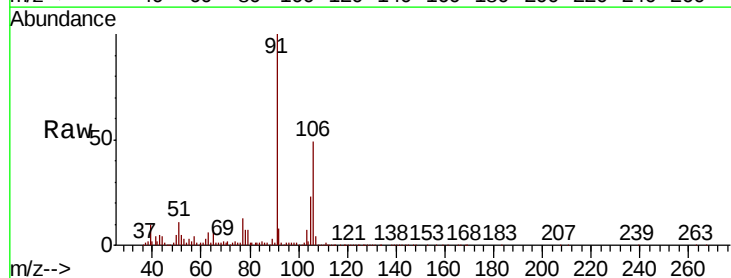
Instrument :
MSVOA_V
ClientSampleId :

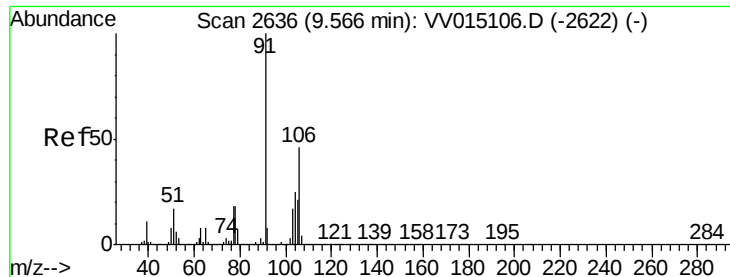
Tot Ion: 91 Resp: 250130
Ion Ratio Lower Upper
91 100
106 30.8 21.9 40.7



#53
m,p-Xylene
Concen: 10.954 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015105.D
Acq: 23 Mar 2020 23:34

Tgt Ion: 106 Resp: 94545
Ion Ratio Lower Upper
106 100
91 203.5 143.9 267.2





#54

o-xylene

Concen: 11.510 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

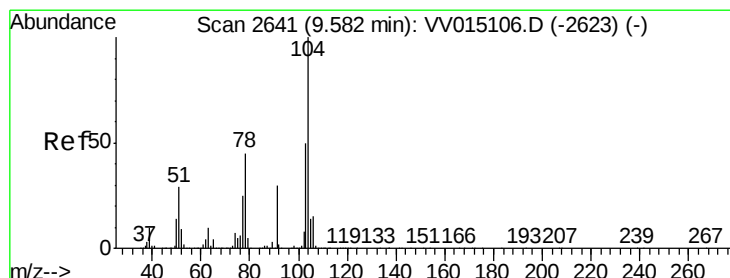
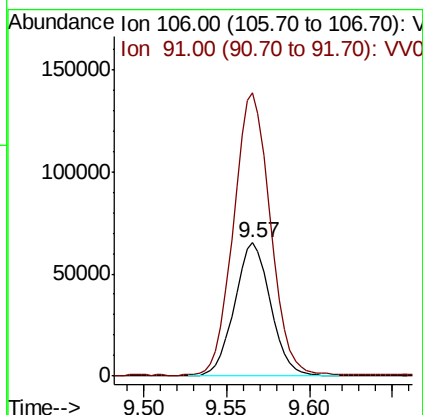
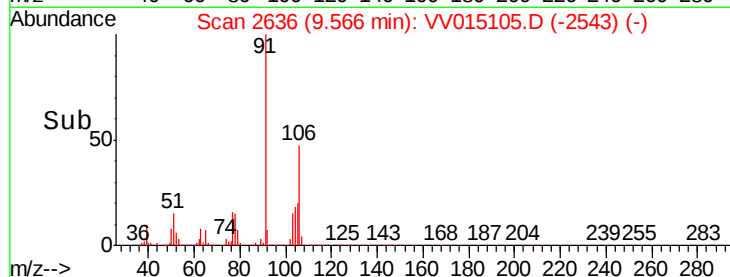
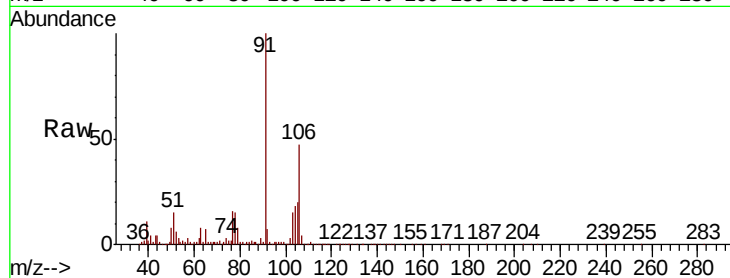
ClientSampleId :

Tot Ion:106 Resp: 98827

Ion Ratio Lower Upper

106 100

91 212.2 151.1 280.7



#55

Styrene

Concen: 11.508 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015105.D

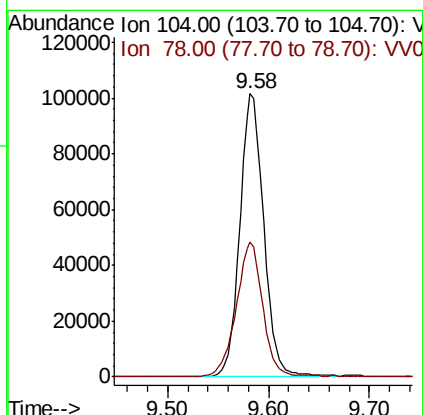
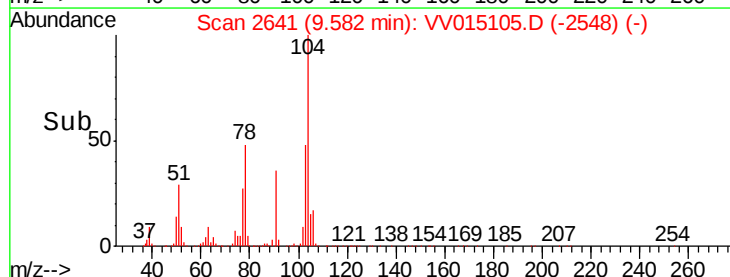
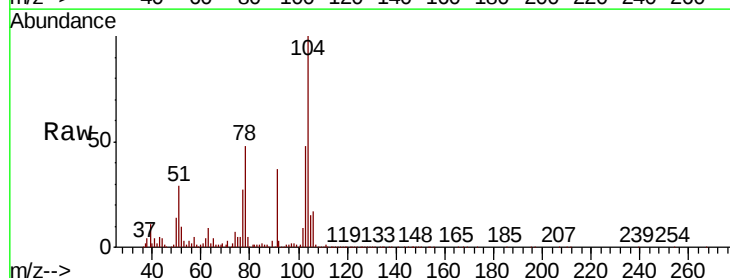
Acq: 23 Mar 2020 23:34

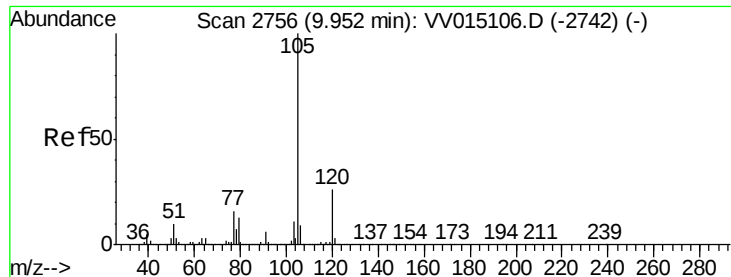
Tgt Ion:104 Resp: 167235

Ion Ratio Lower Upper

104 100

78 47.9 31.8 59.0





#56

Isopropylbenzene

Concen: 10.893 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

ClientSampleId :

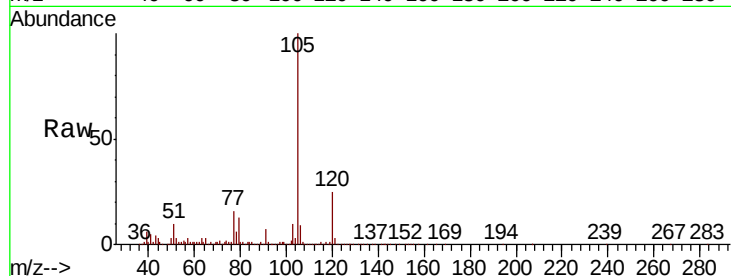
Tot Ion:105 Resp: 241382

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

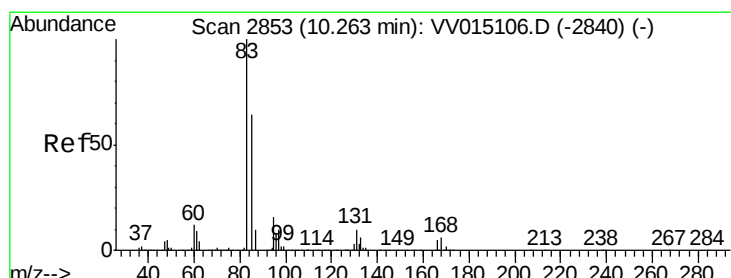
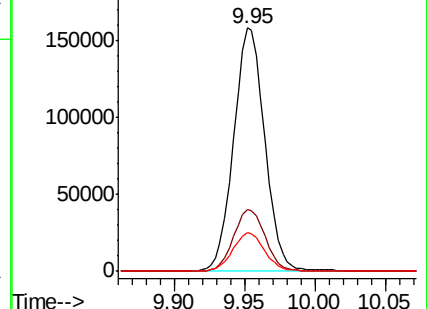
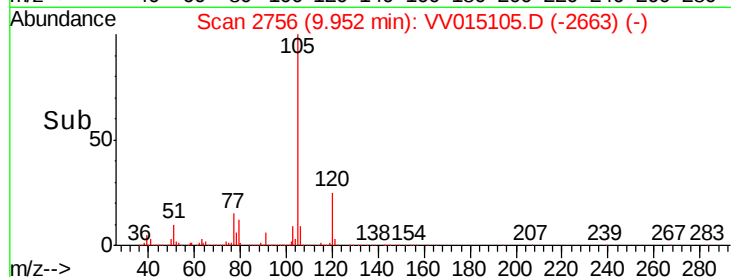
77 15.8 12.8 19.2



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: 12.392 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

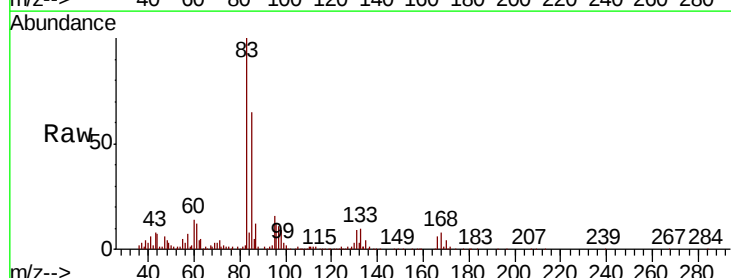
Tgt Ion: 83 Resp: 94666

Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

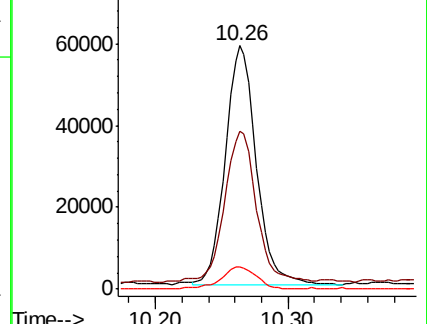
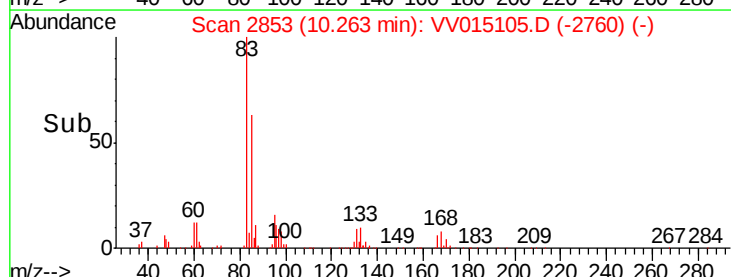
131 9.3 7.8 11.8

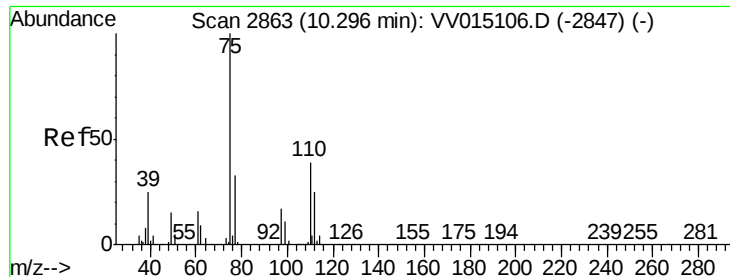


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 12.563 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

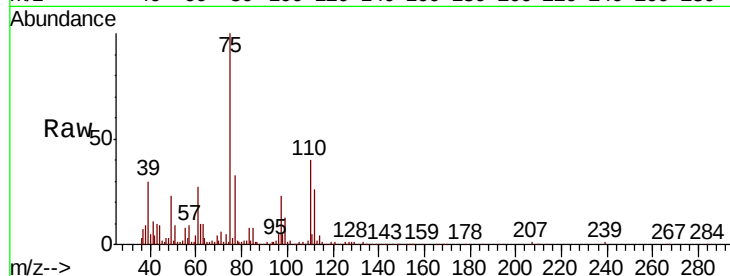
ClientSampled :

Tot Ion: 75 Resp: 76285

Ion Ratio Lower Upper

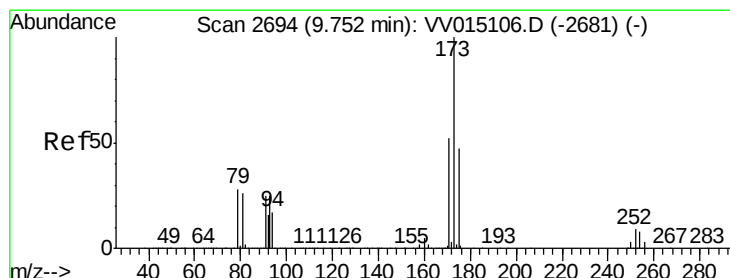
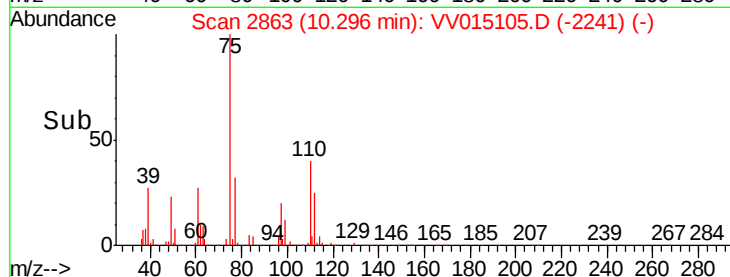
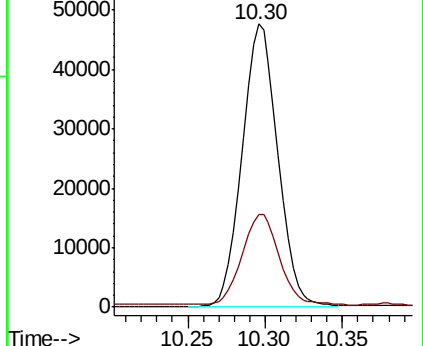
75 100

77 33.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 13.271 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

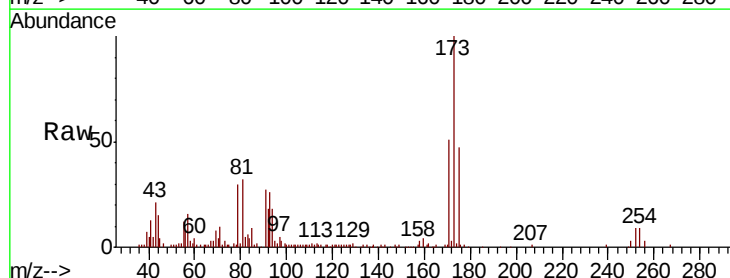
Tgt Ion: 173 Resp: 44472

Ion Ratio Lower Upper

173 100

175 47.5 38.1 57.1

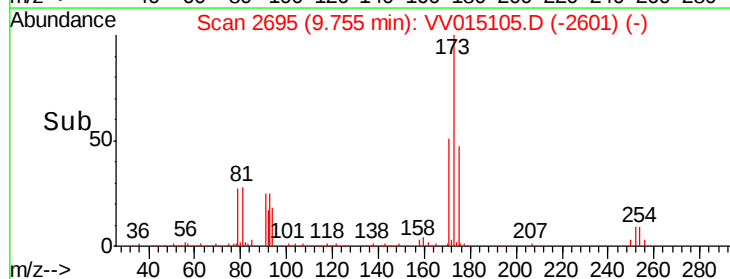
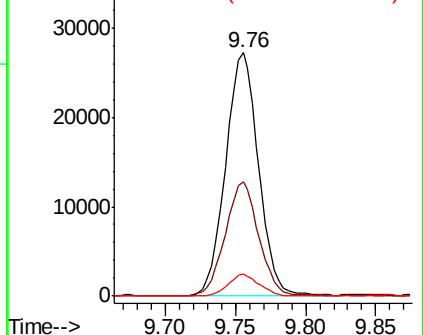
254 8.4 6.6 9.8

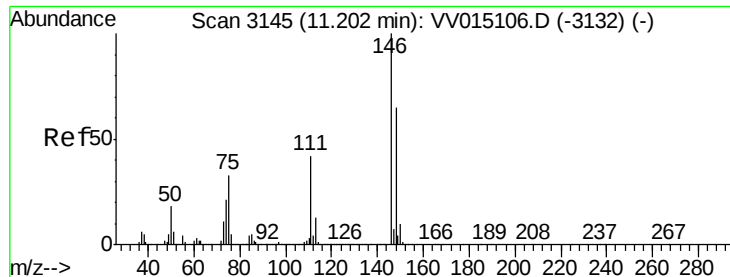


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 11.327 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Instrument :

MSVOA_V

ClientSampled :

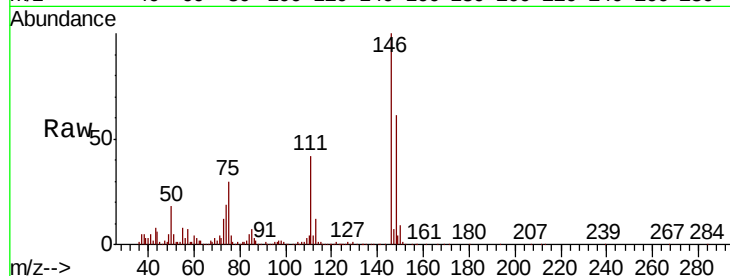
Tot Ion:146 Resp: 109798

Ion Ratio Lower Upper

146 100

111 41.7 29.7 55.1

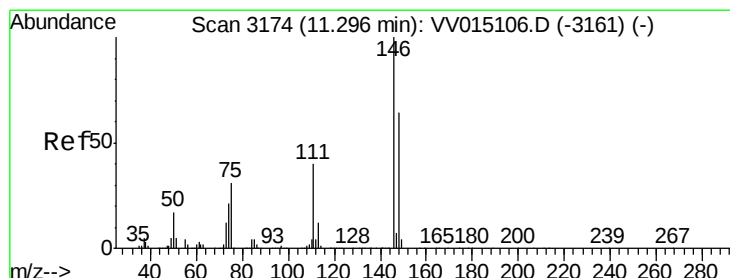
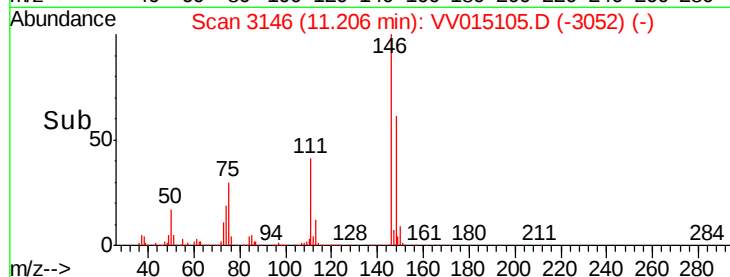
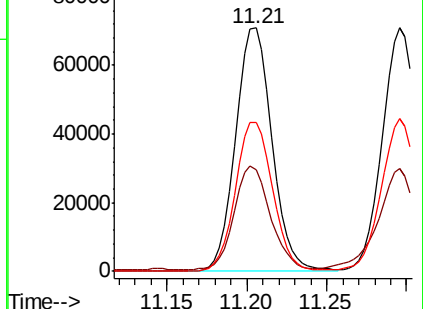
148 61.3 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.822 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

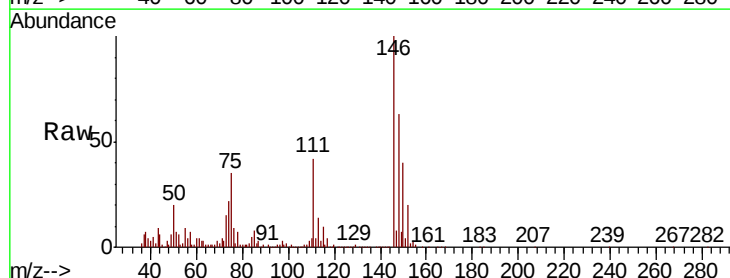
Tgt Ion:146 Resp: 109311

Ion Ratio Lower Upper

146 100

111 42.0 28.2 52.4

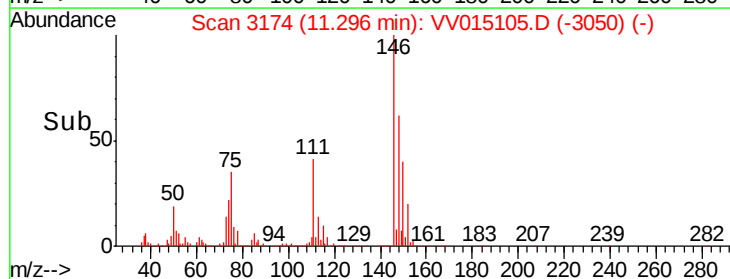
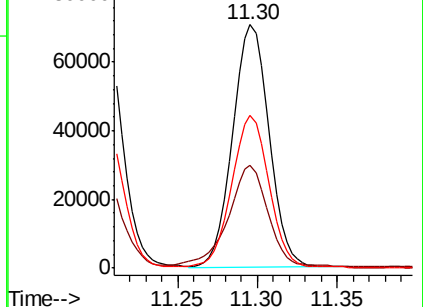
148 62.7 44.9 83.5

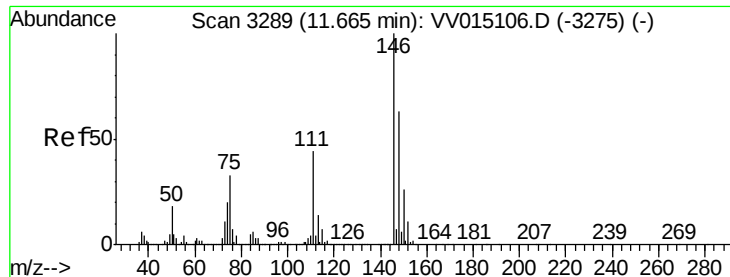


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

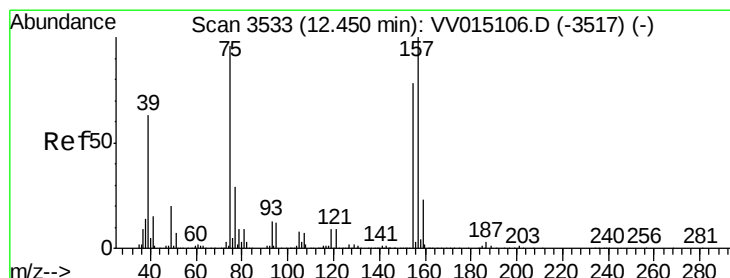
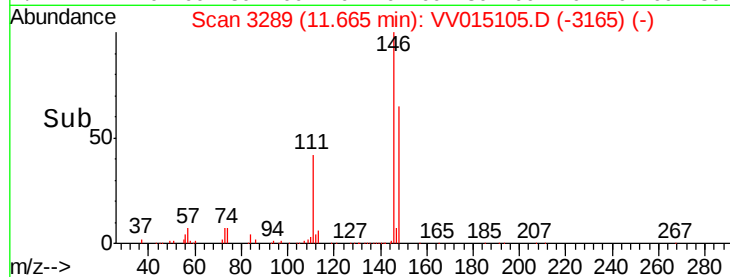
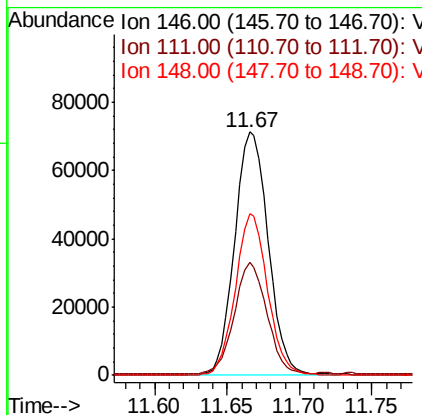
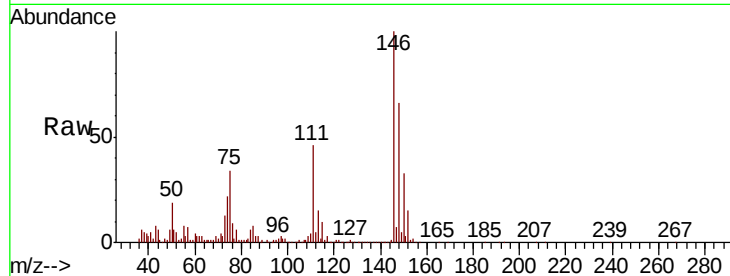




#65
 1,2-Dichlorobenzene
 Concen: 11.081 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

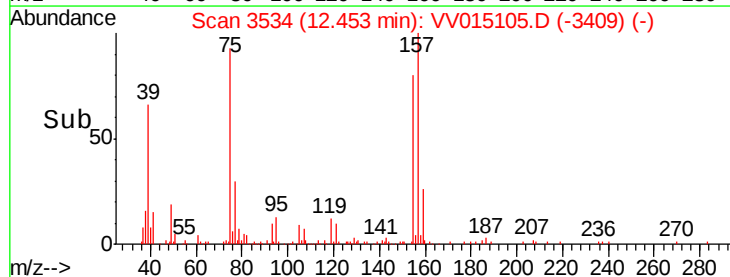
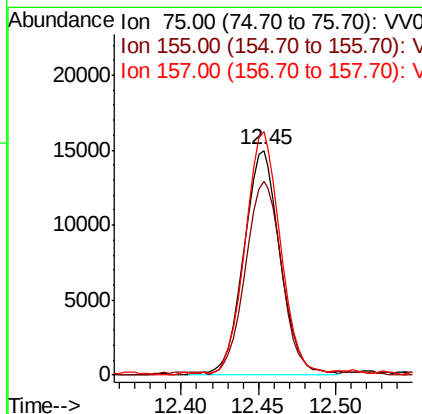
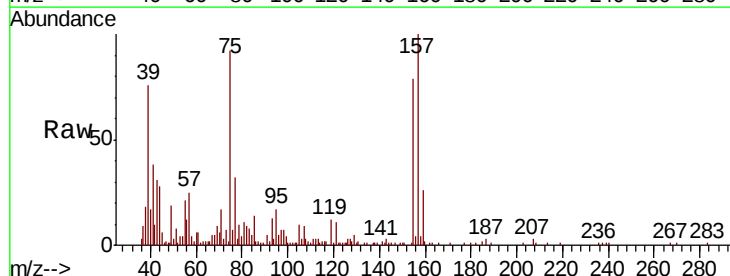
Instrument :
 MSVOA_V
 ClientSampleId :

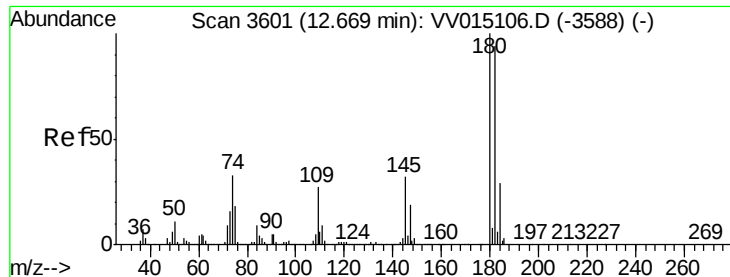
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	35.2	52.8
148	66.3	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 15.257 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	65.2	97.8
157	108.2	83.3	124.9

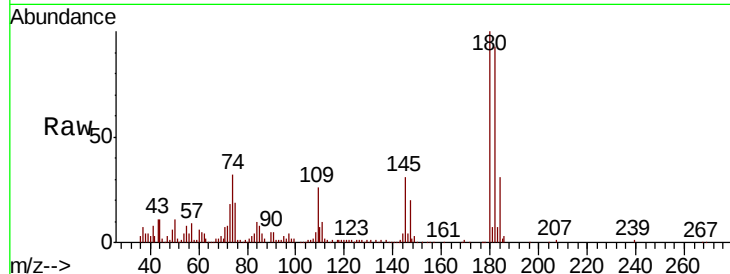




#67
 1,3,5-Trichlorobenzene
 Concen: 9.690 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	75.9	113.9
184	30.6	23.7	35.5
145	31.8	25.8	38.6



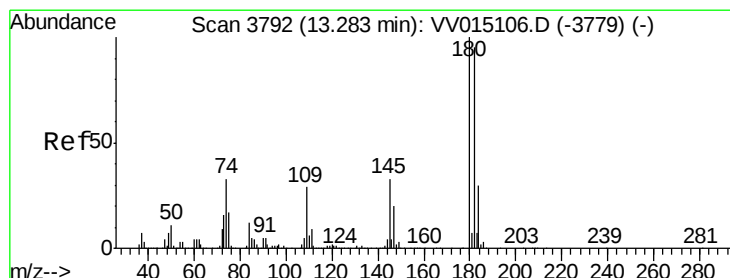
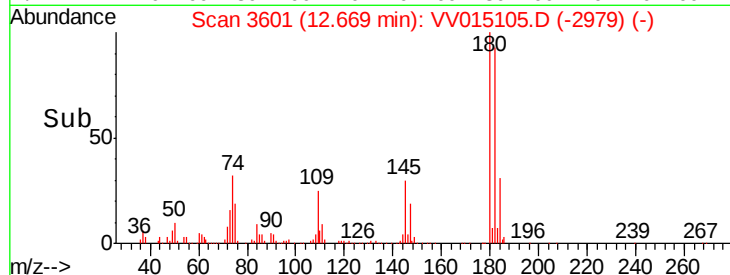
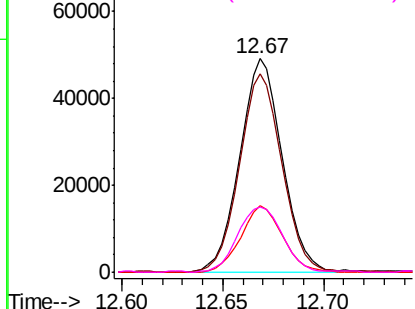
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

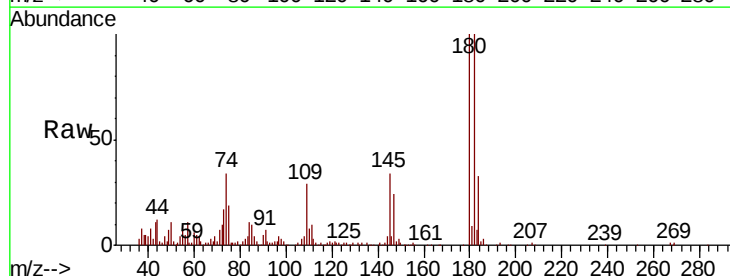
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.787 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015105.D
 Acq: 23 Mar 2020 23:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.5	113.3
145	34.4	26.4	39.6

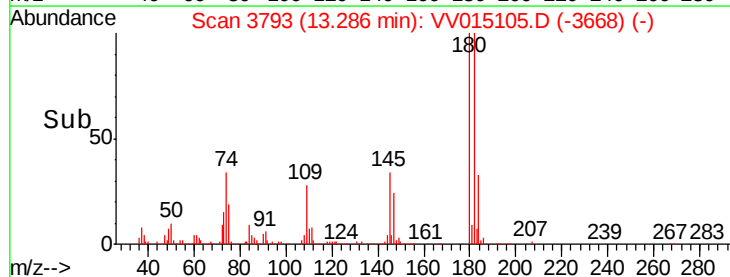
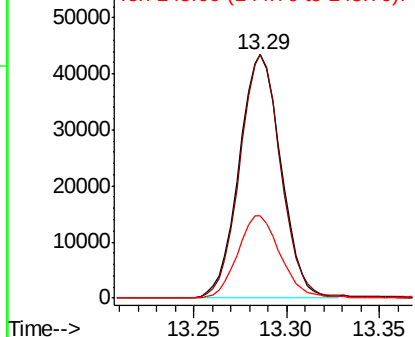


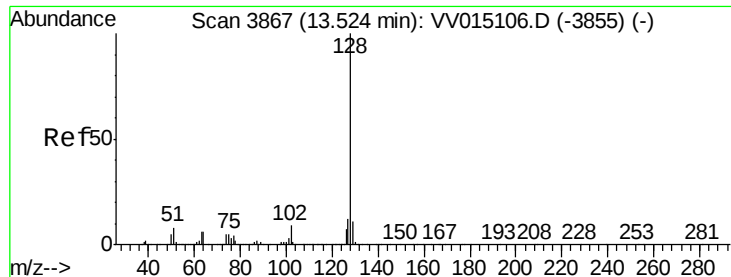
Abundance

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: 13.866 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

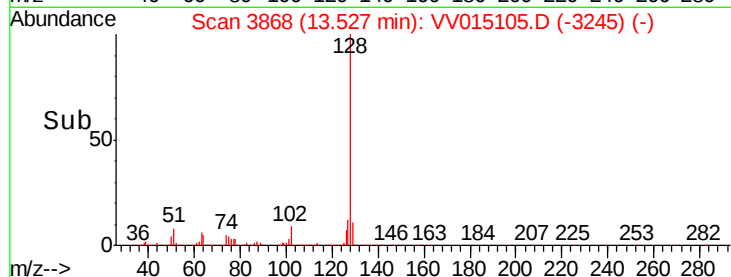
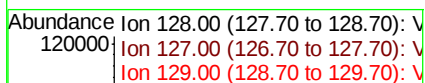
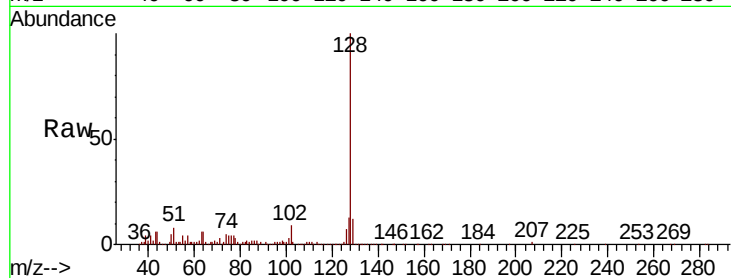
Instrument :

MSVOA_V

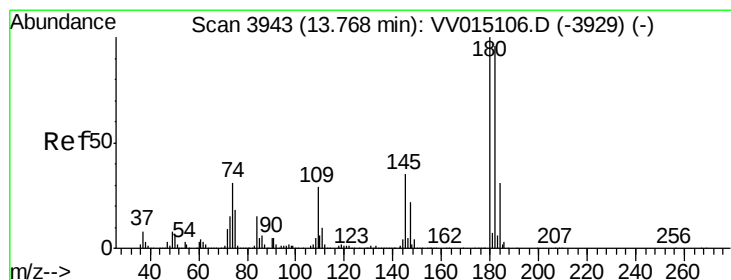
ClientSampleId :

Tot Ion:128 Resp: 138167

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	11.3	8.8	13.2



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 10.356 ug/L

RT: 13.77 min Scan# 3943

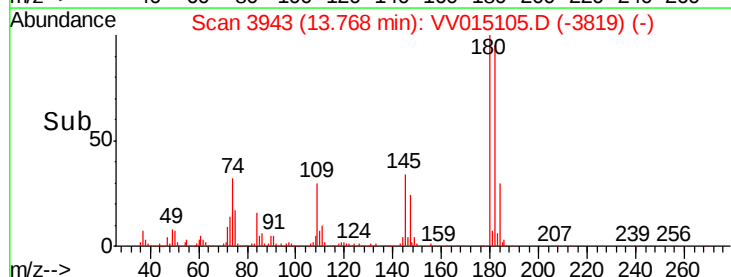
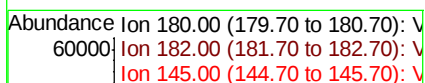
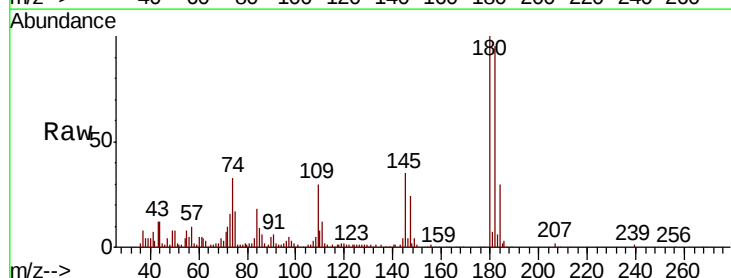
Delta R.T. 0.00 min

Lab File: VV015105.D

Acq: 23 Mar 2020 23:34

Tgt Ion:180 Resp: 70770

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
145	35.8	27.8	41.6



Time-->