

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015412.D
 Acq On : 06 Apr 2020 14:53
 Operator : SY/MD
 Sample : VSTD02031
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 07 02:10:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	90025	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	96246	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	48958	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	146219	21.41	ug/L	0.00
7) Chloroethane-d5	1.59	69	126300	23.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	329640	26.80	ug/L	0.00
20) 2-Butanone-d5	4.00	46	330385	230.35	ug/L	0.00
24) Chloroform-d	4.38	84	279066	22.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	115130	17.81	ug/L	0.00
32) Benzene-d6	5.07	84	446993	15.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	140129	17.10	ug/L	0.00
41) Toluene-d8	7.35	98	496098	20.14	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	62721	19.47	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	273014	208.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	110693	18.75	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	178053	20.34	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	178236	18.594	ug/L	100
3) Chloromethane	1.25	50	184190	20.465	ug/L	99
5) Vinyl chloride	1.33	62	198813	23.340	ug/L	100
6) Bromomethane	1.54	94	126837	25.826	ug/L	99
8) Chloroethane	1.60	64	115983	23.868	ug/L	99
9) Trichlorofluoromethane	1.77	101	287640	24.401	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	182466	28.412	ug/L	99
12) 1,1-Dichloroethene	2.14	96	170079	27.970	ug/L	88
13) Acetone	2.27	43	200564	207.528	ug/L	97
14) Carbon disulfide	2.31	76	539433	26.482	ug/L	100
15) Methyl Acetate	2.48	43	80968	31.378	ug/L #	86
16) Methylene chloride	2.53	84	170347	23.132	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	368726	23.424	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	168809	23.853	ug/L	98
19) 1,1-Dichloroethane	3.21	63	294840	21.785	ug/L	99
21) 2-Butanone	4.08	43	349852	214.352	ug/L	99
22) cis-1,2-Dichloroethene	3.94	96	173773	23.028	ug/L #	97
23) Bromochloromethane	4.27	128	72656	23.791	ug/L	98
25) Chloroform	4.40	83	325895	23.444	ug/L	99
27) 1,2-Dichloroethane	5.16	62	142114	18.258	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	288066	22.066	ug/L	99
30) Cyclohexane	4.68	56	262547	18.440	ug/L	100
31) Carbon tetrachloride	4.84	117	187526	16.635	ug/L	98
33) Benzene	5.12	78	518213	16.780	ug/L	100
34) Trichloroethene	5.94	95	144817	17.993	ug/L	96
35) Methylcyclohexane	6.15	83	254769	18.369	ug/L	94
37) 1,2-Dichloropropane	6.21	63	121899	16.055	ug/L	99
38) Bromodichloromethane	6.54	83	172310	18.123	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	204098	18.132	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	700246	156.418	ug/L	99

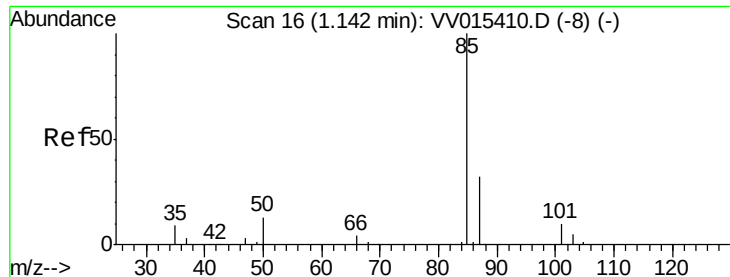
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015412.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.42	91	636886	19.637	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	178628	20.355	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	93711	18.765	ug/L	97
47) Tetrachloroethene	8.01	164	112395	17.776	ug/L	99
48) 2-Hexanone	8.18	43	516144	161.913	ug/L	98
49) Dibromochloromethane	8.28	129	118666	20.982	ug/L	98
50) 1,2-Dibromoethane	8.39	107	91825	19.246	ug/L	96
51) Chlorobenzene	8.91	112	414220	19.983	ug/L	99
52) Ethylbenzene	9.04	91	744982	20.082	ug/L	99
53) m,p-xylene	9.17	106	296277	21.602	ug/L	96
54) o-xylene	9.57	106	281003	21.094	ug/L	99
55) Styrene	9.59	104	475302	21.346	ug/L	100
56) Isopropylbenzene	9.95	105	757661	21.061	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.27	83	109042	17.722	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	81414	18.060	ug/L	95
61) Bromoform	9.76	173	57223	20.643	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	331598	20.244	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	329674	19.643	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	296141	19.661	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	20405	19.929	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.67	180	235730	18.307	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	205723	18.536	ug/L	99
69) Naphthalene	13.53	128	408452	21.806	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	178400	18.083	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 18.594 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

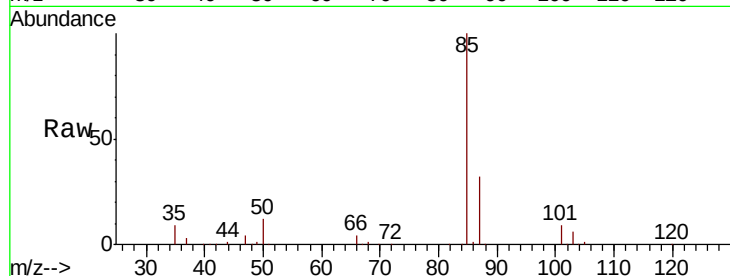
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 178236

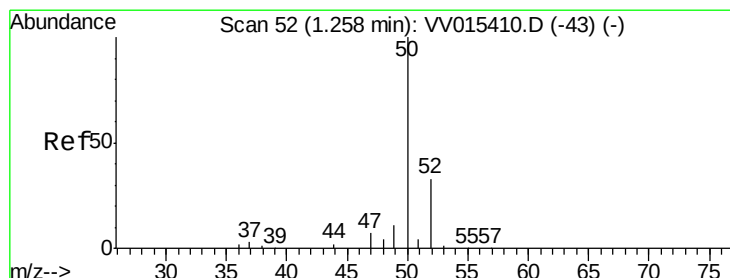
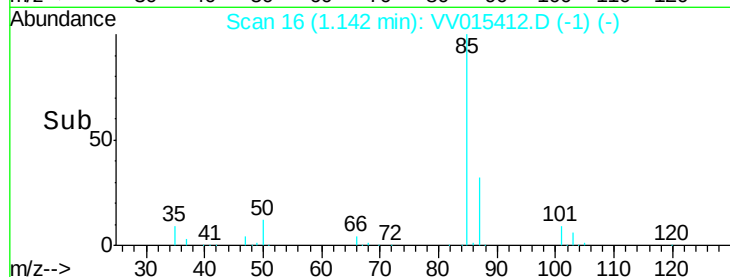
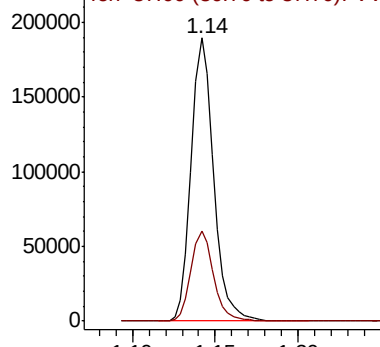
Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 20.465 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV015412.D

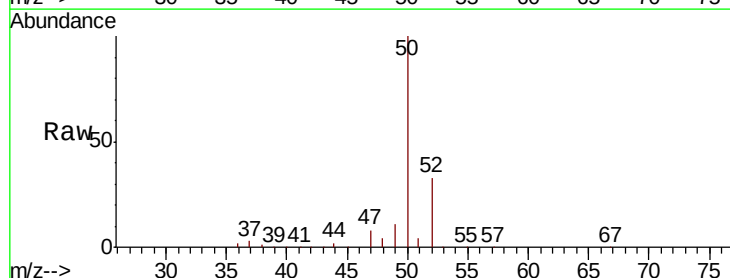
Acq: 06 Apr 2020 14:53

Tgt Ion: 50 Resp: 184190

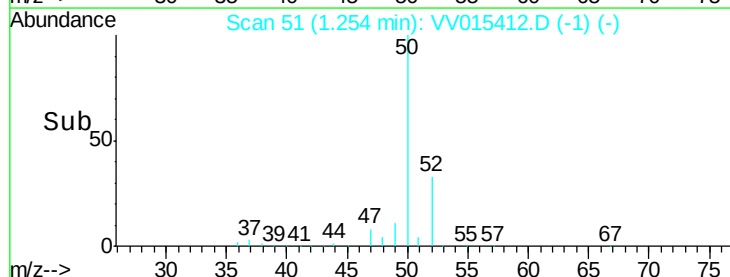
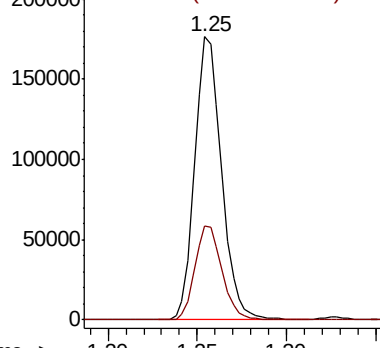
Ion Ratio Lower Upper

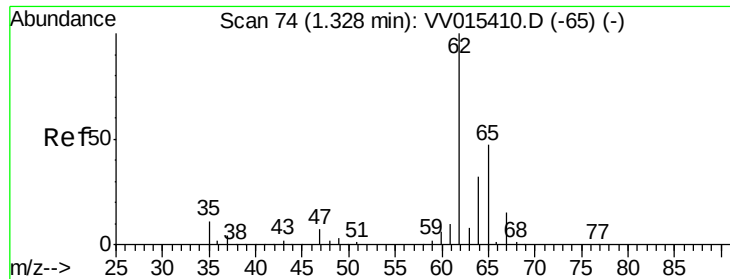
50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 23.340 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

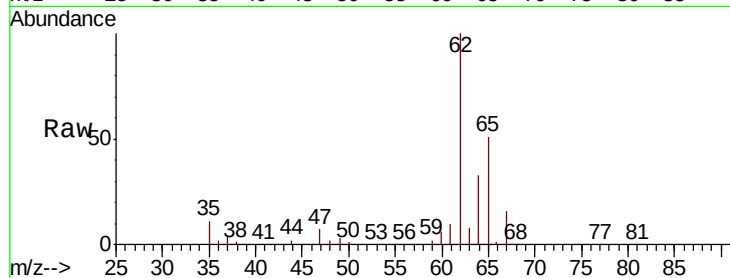
ClientSampled :

Tot Ion: 62 Resp: 198813

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.33

200000

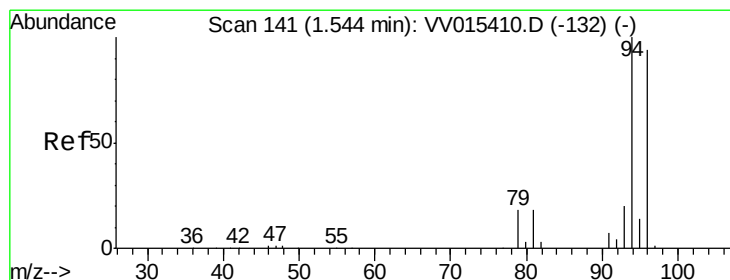
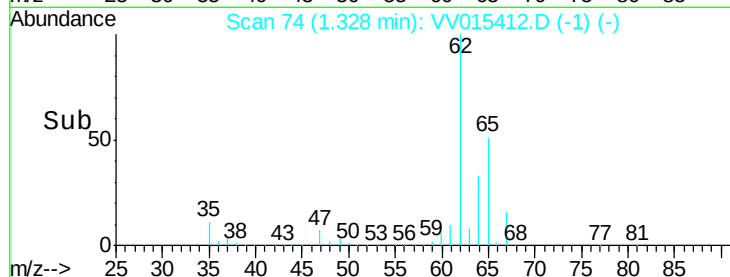
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 25.826 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV015412.D

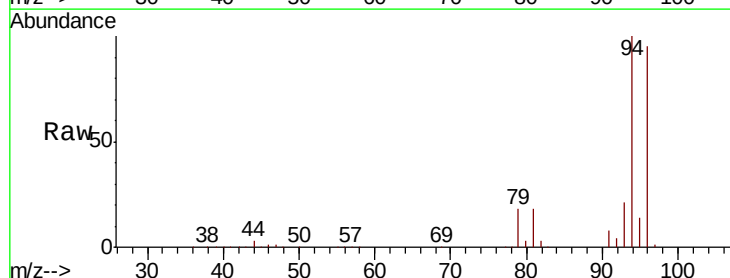
Acq: 06 Apr 2020 14:53

Tgt Ion: 94 Resp: 126837

Ion Ratio Lower Upper

94 100

96 94.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

120000

100000

80000

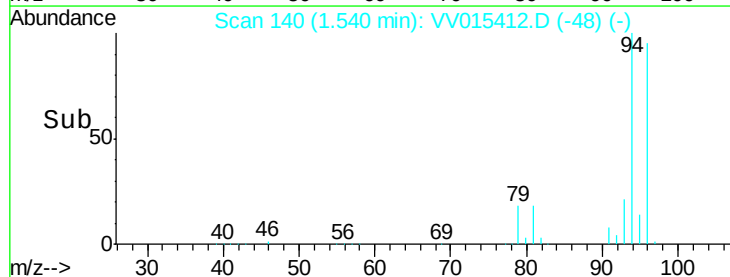
60000

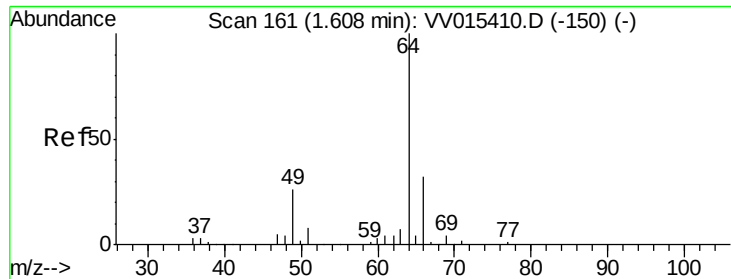
40000

20000

0

Time-->





#8

Chloroethane

Concen: 23.868 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

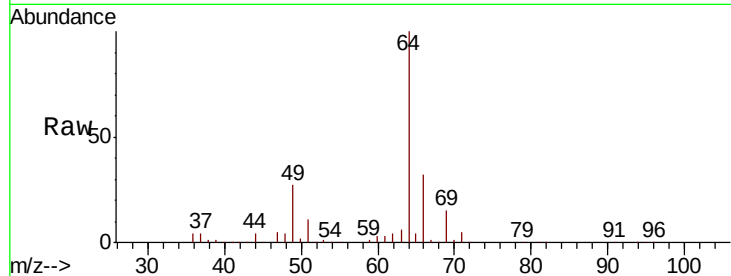
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 115983

Ion Ratio Lower Upper

64 100

66 32.0 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VV015410.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV015410.D (-150) (-)

1.60

100000

80000

60000

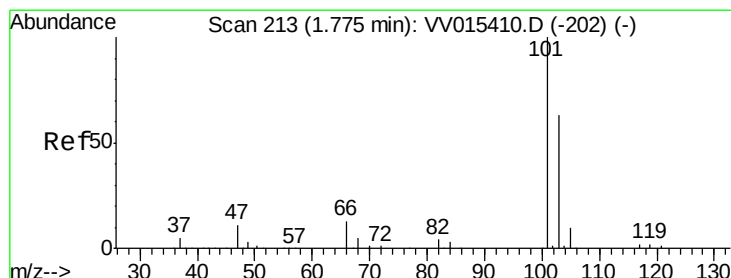
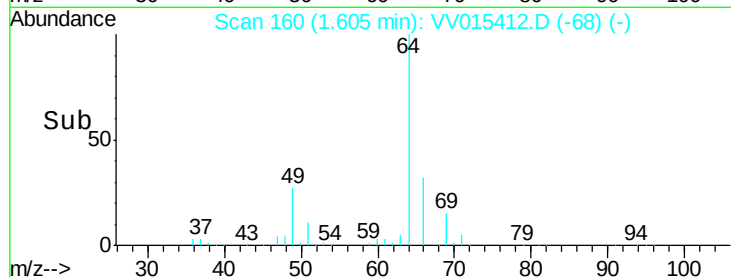
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 24.401 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV015412.D

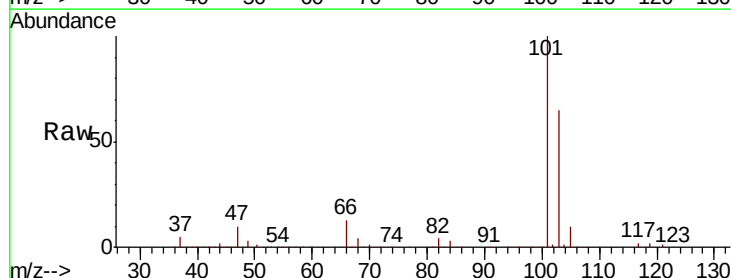
Acq: 06 Apr 2020 14:53

Tgt Ion:101 Resp: 287640

Ion Ratio Lower Upper

101 100

103 65.1 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV015410.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV015410.D (-202) (-)

1.77

250000

200000

150000

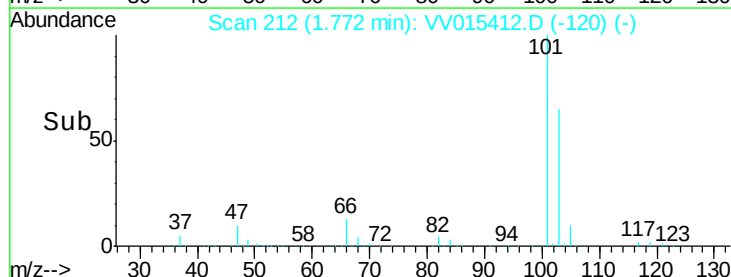
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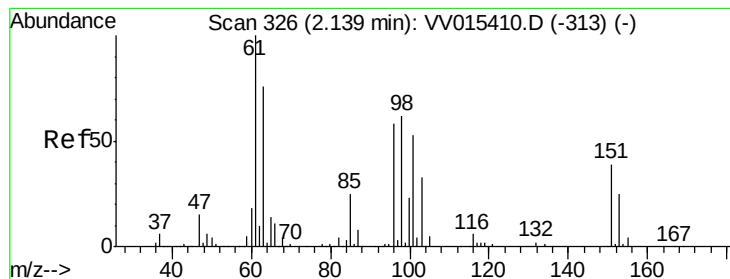
50000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#10

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

Concen: 28.412 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

ClientSampled :

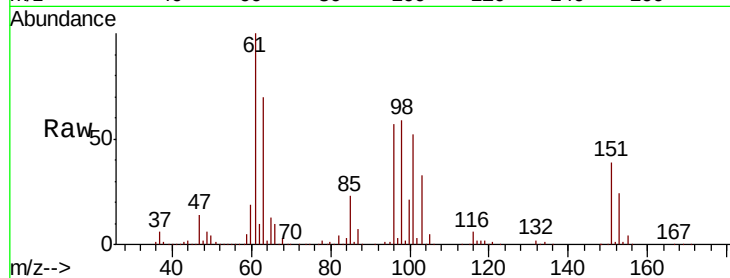
Tot Ion:101 Resp: 182466

Ion Ratio Lower Upper

101 100

85 45.4 36.2 54.4

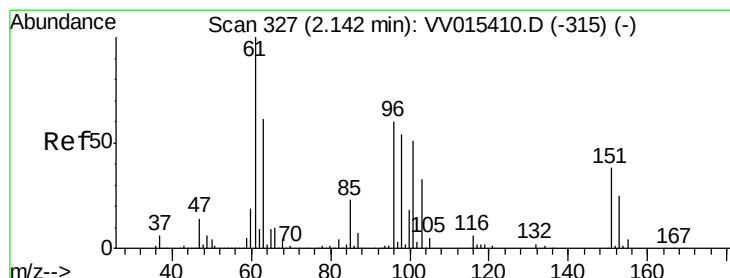
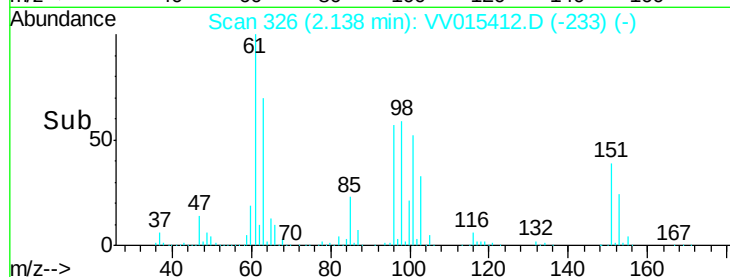
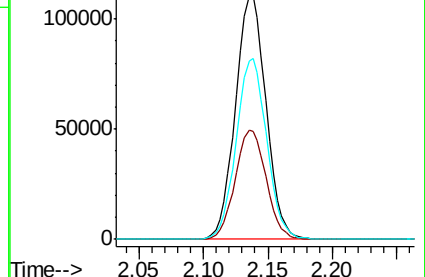
151 74.1 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): VV015410.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV015410.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV015410.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 27.970 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

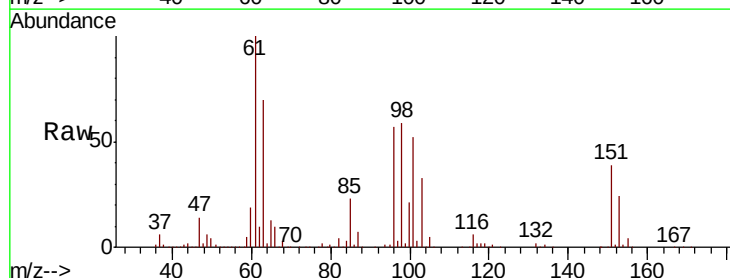
Tgt Ion: 96 Resp: 170079

Ion Ratio Lower Upper

96 100

61 176.4 117.1 217.5

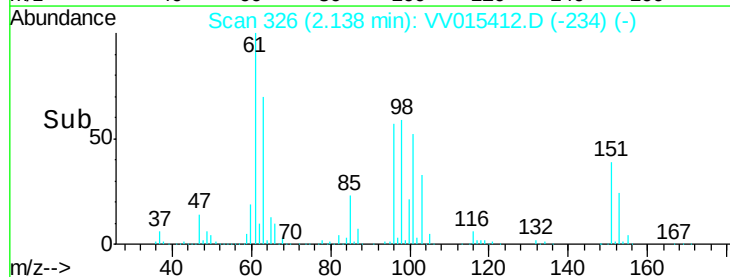
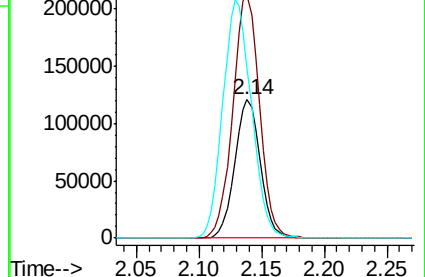
63 123.9 72.9 135.5

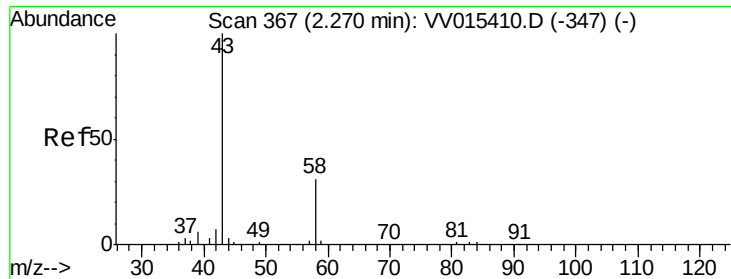


Abundance Ion 96.00 (95.70 to 96.70): VV015410.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV015410.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV015410.D (-315) (-)





#13

Acetone

Concen: 207.528 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

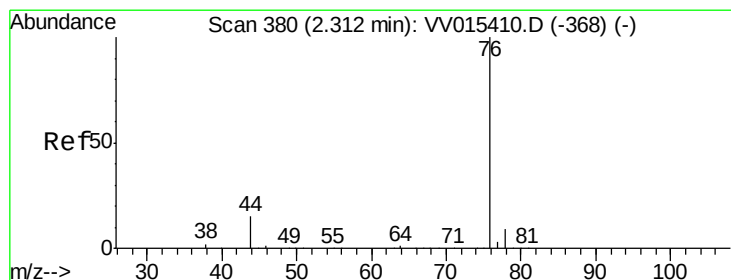
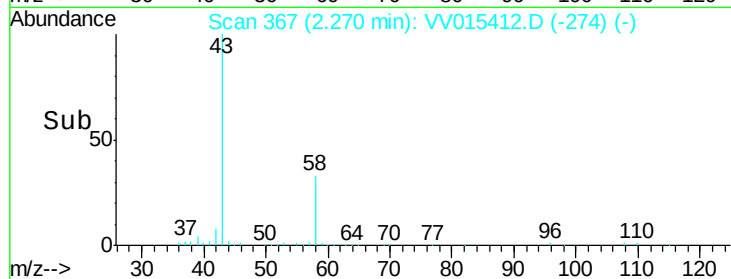
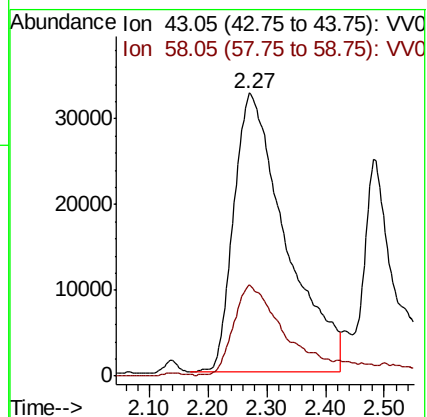
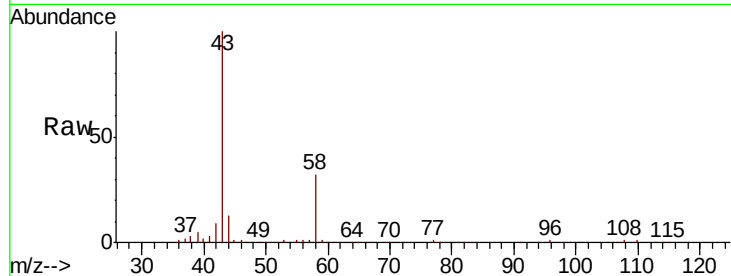
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 200564

Ion Ratio Lower Upper

43 100

58 28.6 0.0 61.0



#14

Carbon disulfide

Concen: 26.482 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV015412.D

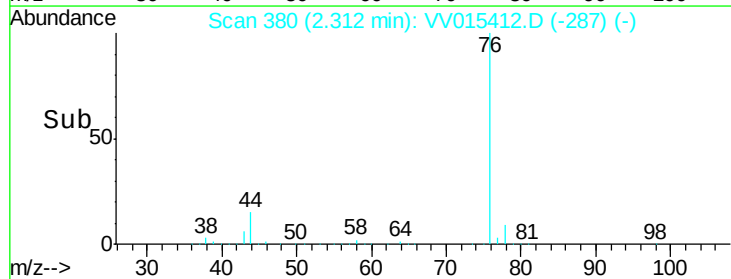
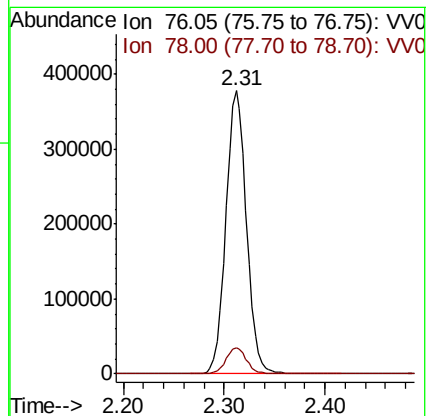
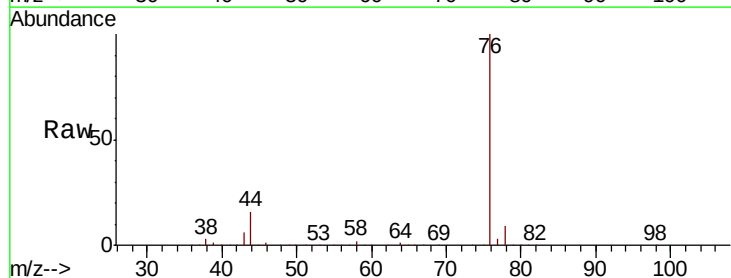
Acq: 06 Apr 2020 14:53

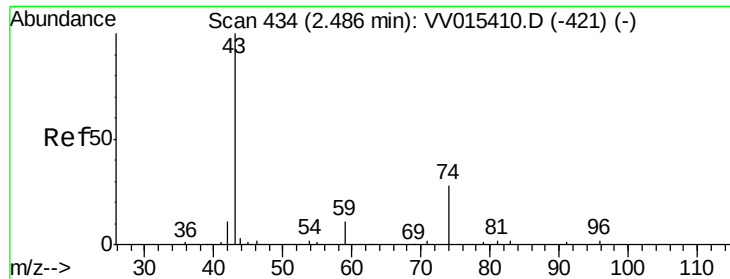
Tgt Ion: 76 Resp: 539433

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

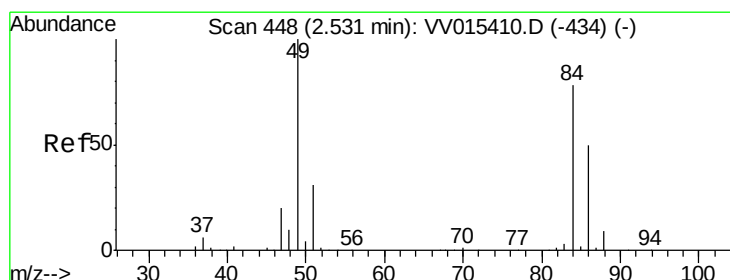
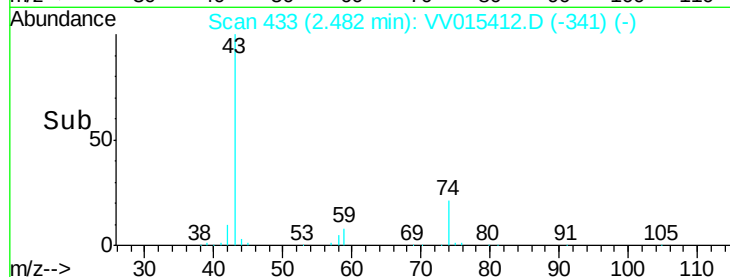
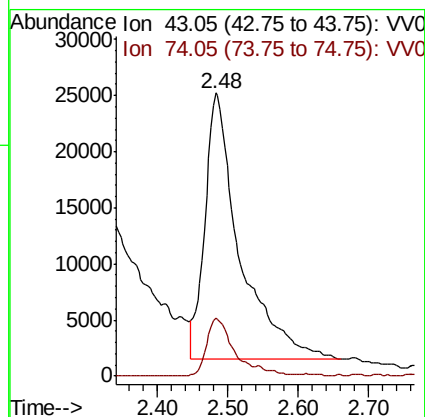
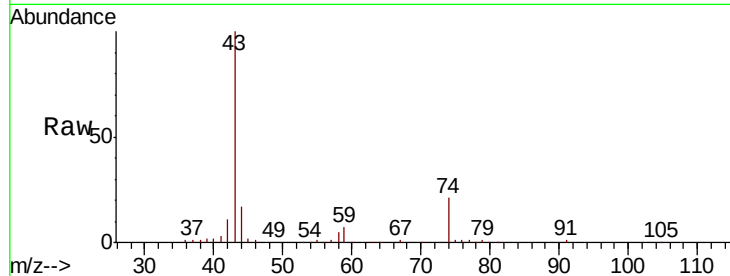




#15
Methvl Acetate
Concen: 31.378 ug/L
RT: 2.48 min Scan# 433
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

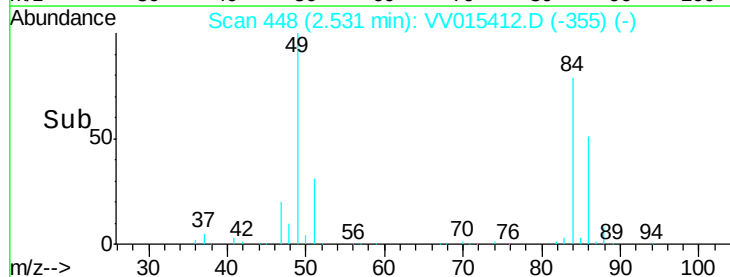
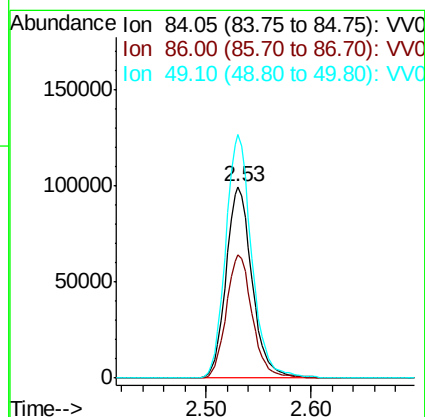
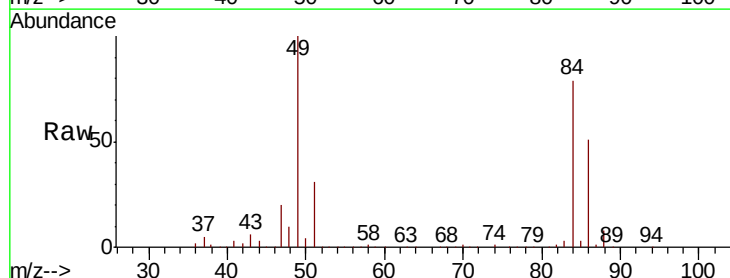
Instrument :
MSVOA_V
ClientSampled :

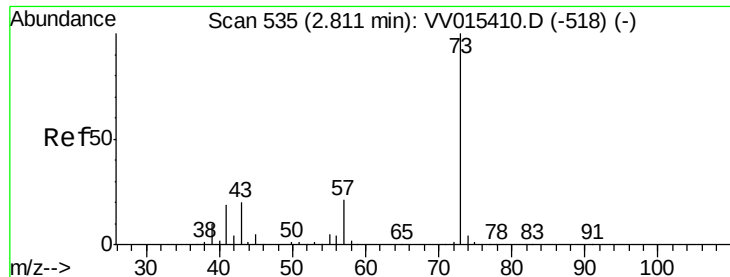
Tot Ion: 43 Resp: 80968
Ion Ratio Lower Upper
43 100
74 16.3 18.6 28.0#



#16
Methylene chloride
Concen: 23.132 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Tgt Ion: 84 Resp: 170347
Ion Ratio Lower Upper
84 100
86 64.5 44.5 82.7
49 127.1 89.2 165.6

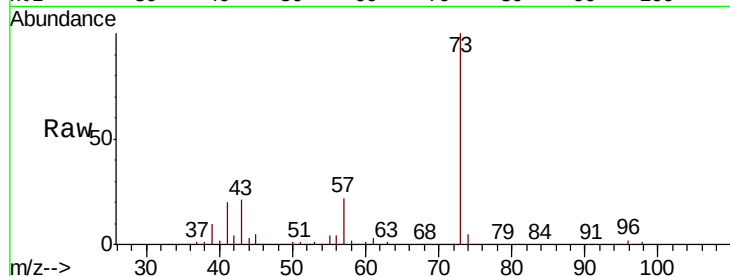




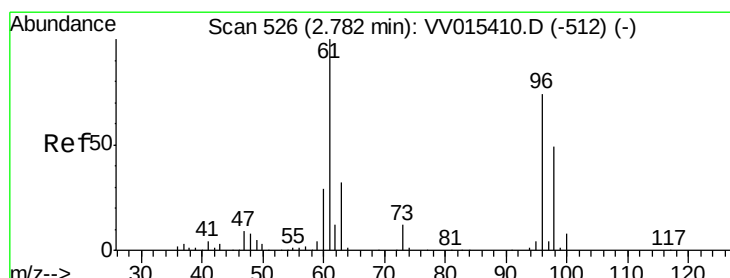
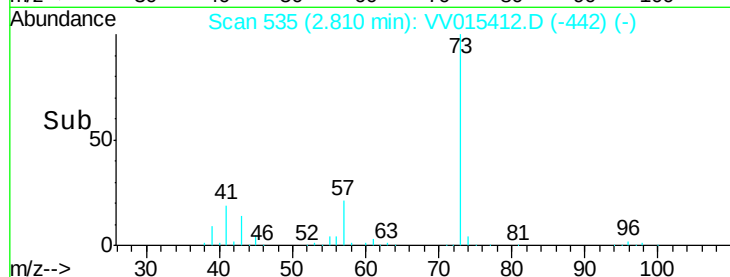
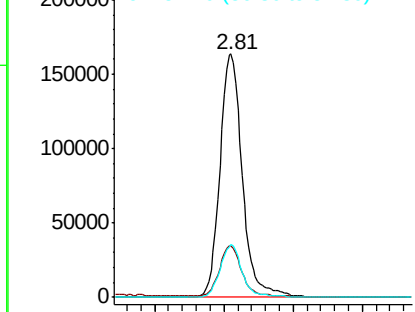
#17
Methyl tert-butyl Ether
Concen: 23.424 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	73	Resp:	368726
Ion	Ratio	Lower	Upper
73	100		
43	20.8	16.9	25.3
57	21.5	17.3	25.9

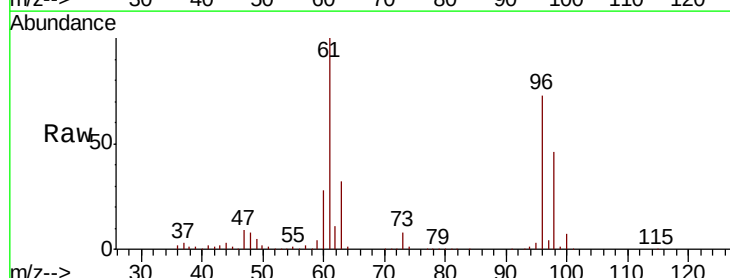


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

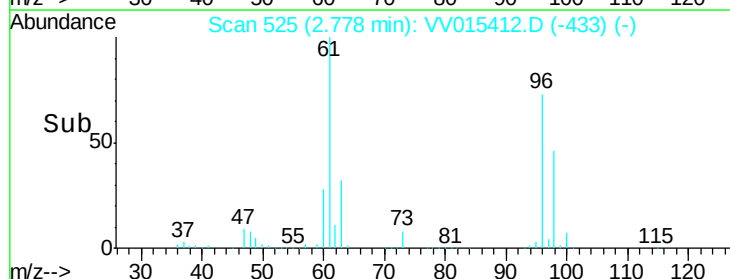
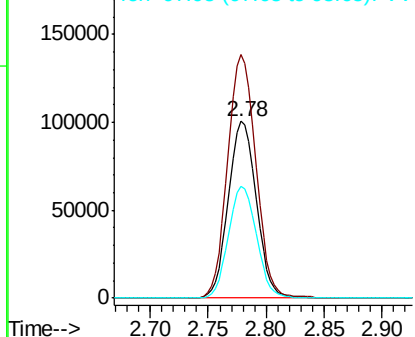


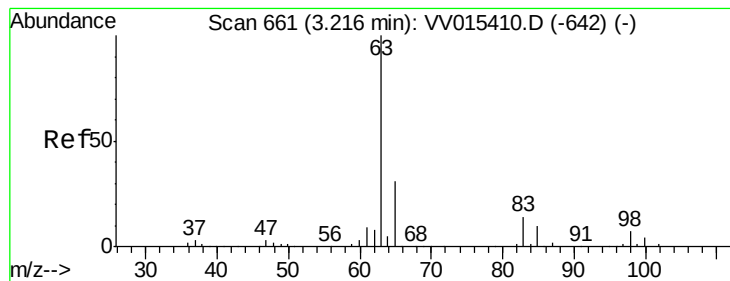
#18
trans-1,2-Dichloroethene
Concen: 23.853 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Tgt Ion:	96	Resp:	168809
Ion	Ratio	Lower	Upper
96	100		
61	137.6	95.0	176.4
98	63.4	46.6	86.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 21.785 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

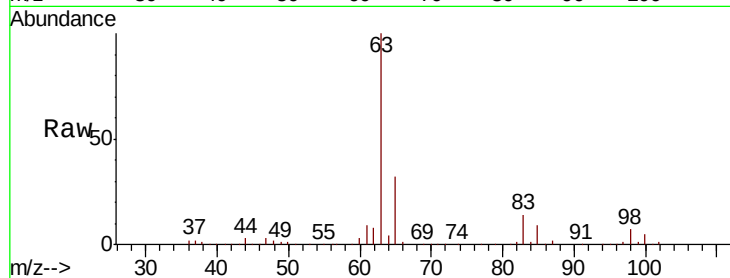
Tot Ion: 63 Resp: 294840

Ion Ratio Lower Upper

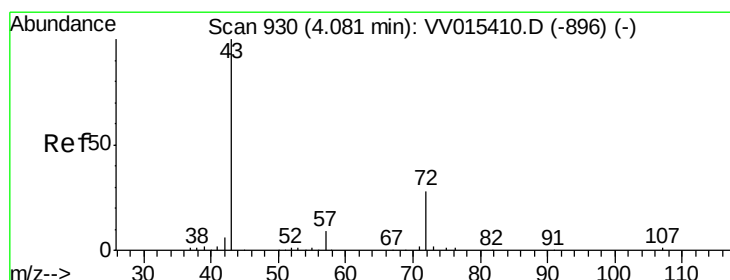
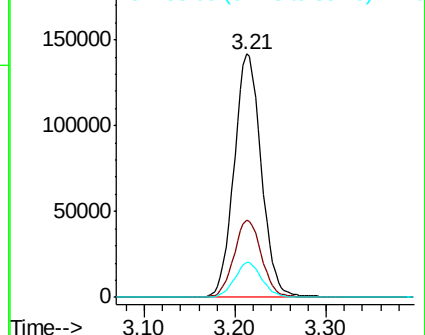
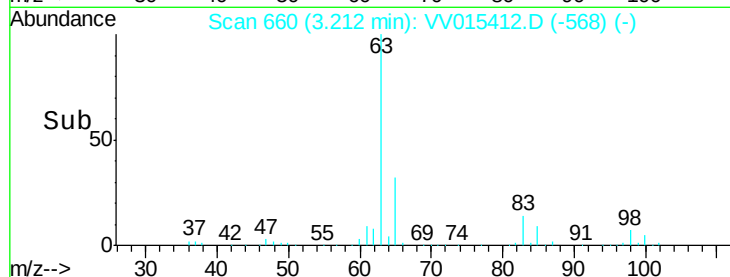
63 100

65 31.8 21.8 40.6

83 14.3 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VV015412.D (-568) (-)



#21

2-Butanone

Concen: 214.352 ug/L

RT: 4.08 min Scan# 929

Delta R.T. -0.00 min

Lab File: VV015412.D

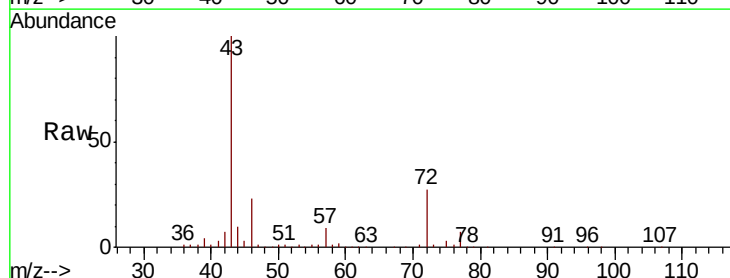
Acq: 06 Apr 2020 14:53

Tgt Ion: 43 Resp: 349852

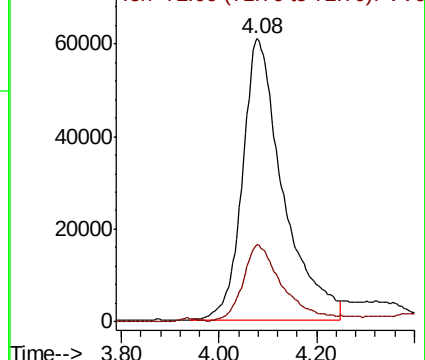
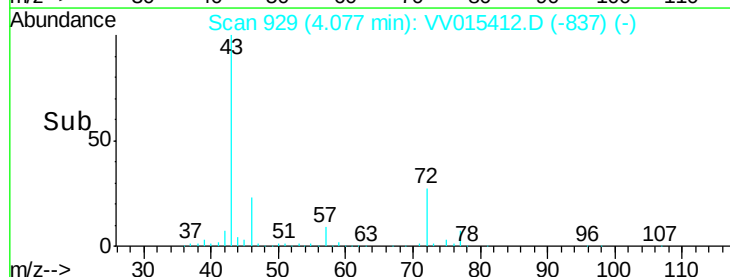
Ion Ratio Lower Upper

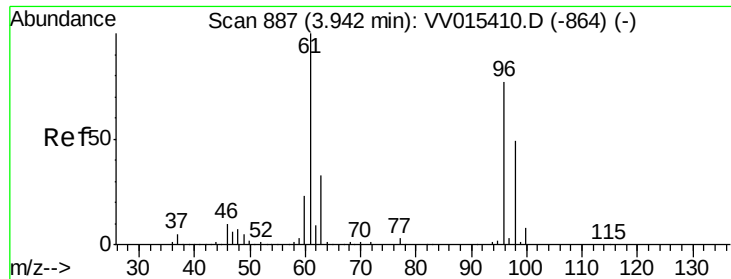
43 100

72 26.3 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VV015412.D (-837) (-)



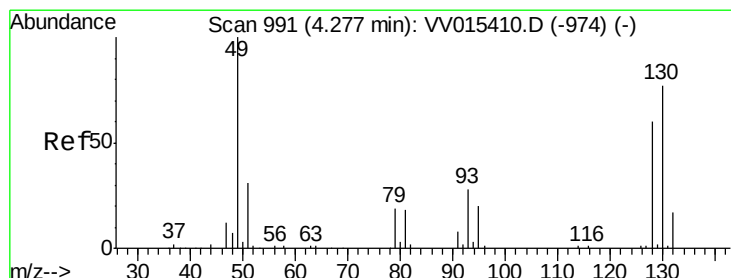
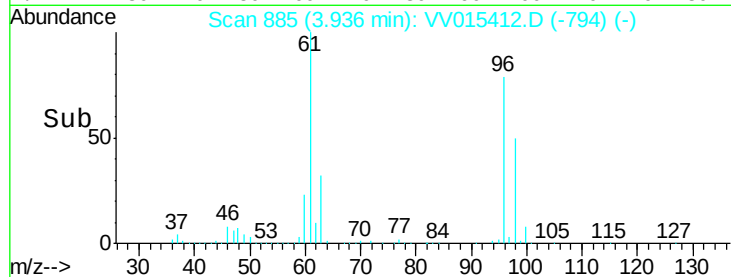
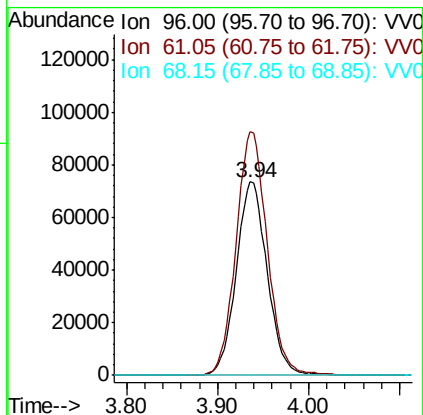
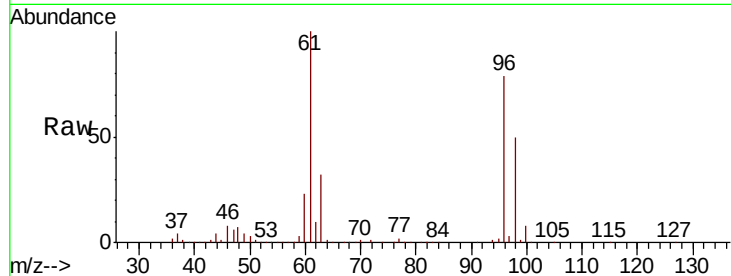


#22

cis-1,2-Dichloroethene
 Concen: 23.028 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Instrument :
 MSVOA_V
 ClientSampleId :

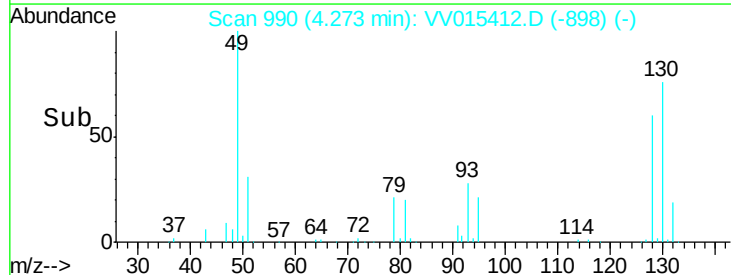
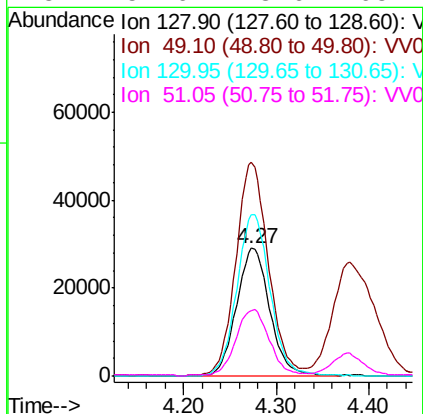
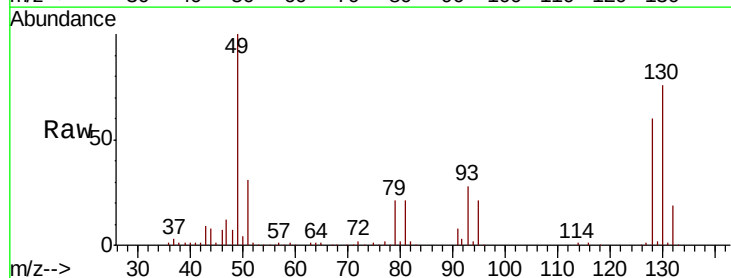
Tot Ion: 96 Resp: 173773
 Ion Ratio Lower Upper
 96 100
 61 126.1 90.4 168.0
 68 0.2 0.6 1.0#

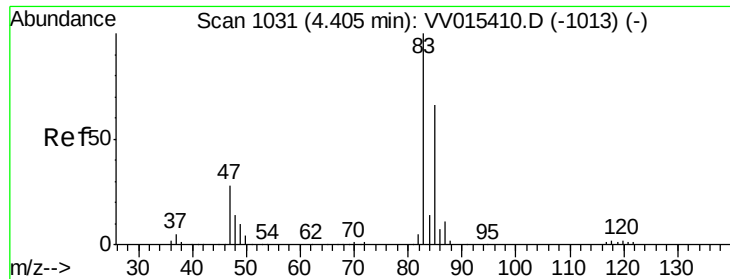


#23

Bromochloromethane
 Concen: 23.791 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Tgt Ion: 128 Resp: 72656
 Ion Ratio Lower Upper
 128 100
 49 167.4 117.3 217.9
 130 126.6 90.4 168.0
 51 51.6 43.6 65.4

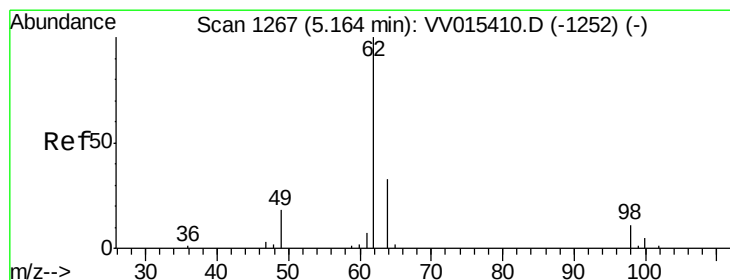
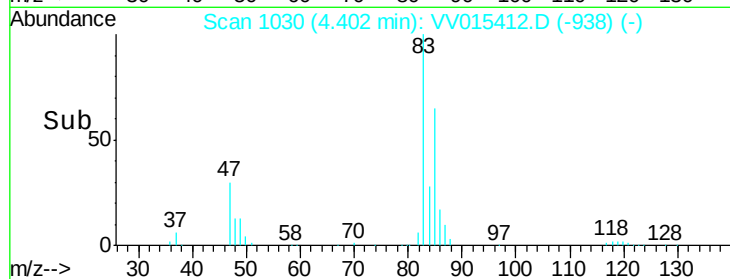
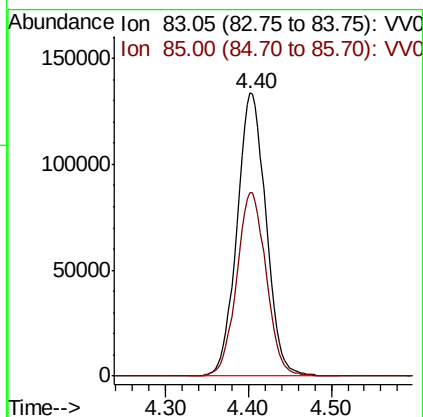
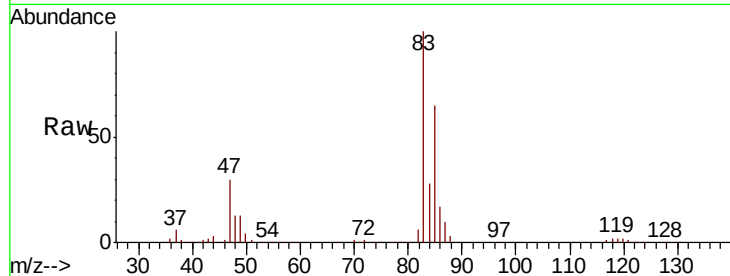




#25
Chloroform
Concen: 23.444 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

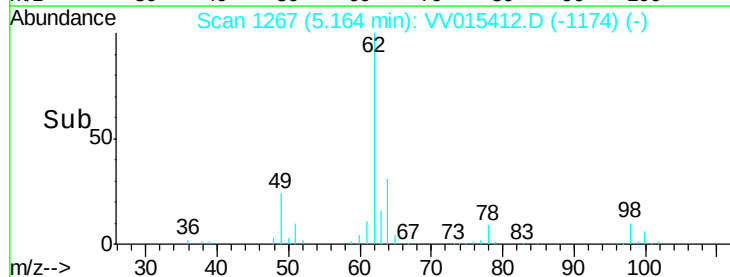
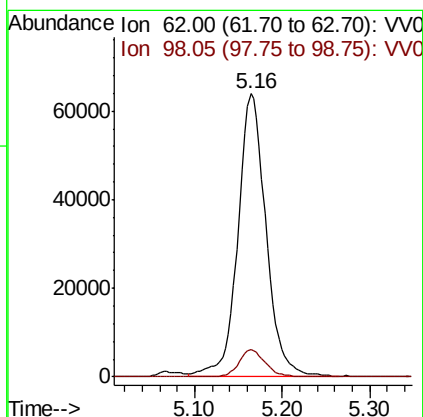
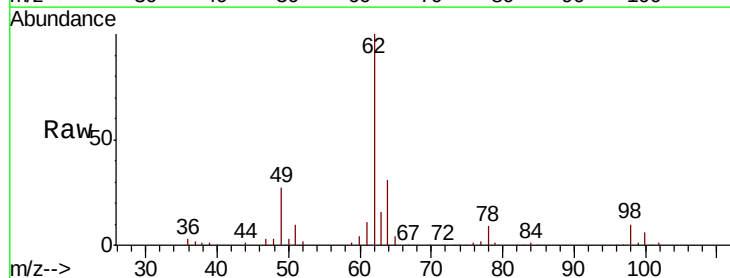
Instrument :
MSVOA_V
ClientSampleId :

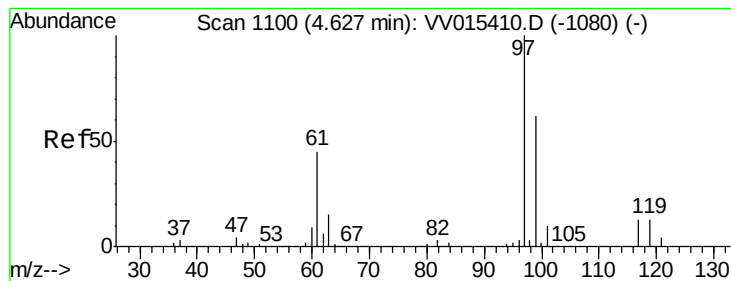
Tot Ion: 83 Resp: 325895
Ion Ratio Lower Upper
83 100
85 65.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 18.258 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Tgt Ion: 62 Resp: 142114
Ion Ratio Lower Upper
62 100
98 9.6 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 22.066 ug/L

RT: 4.63 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

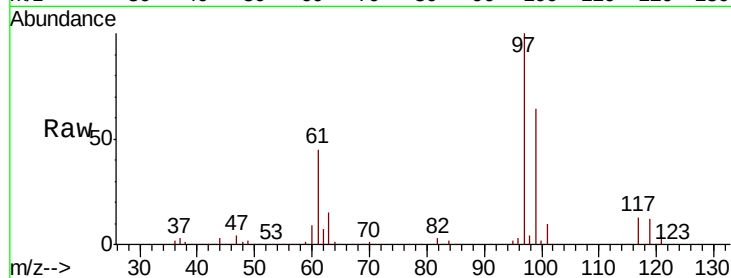
Tot Ion: 97 Resp: 288066

Ion Ratio Lower Upper

97 100

99 63.8 49.9 74.9

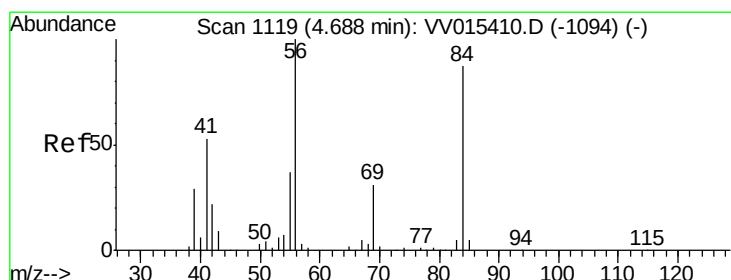
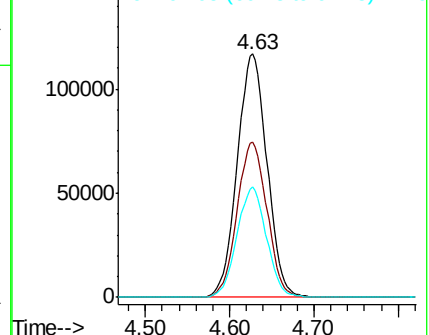
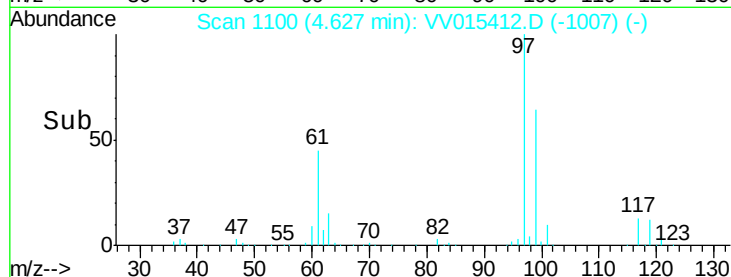
61 45.1 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 18.440 ug/L

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

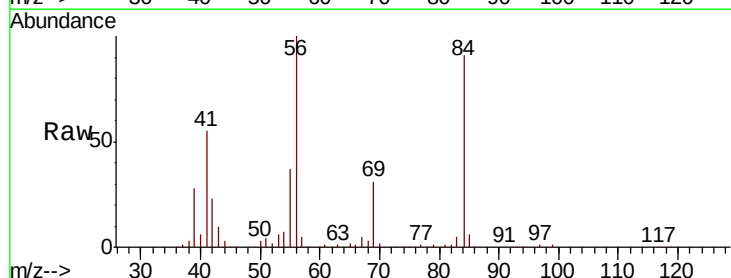
Tgt Ion: 56 Resp: 262547

Ion Ratio Lower Upper

56 100

69 31.3 25.4 38.0

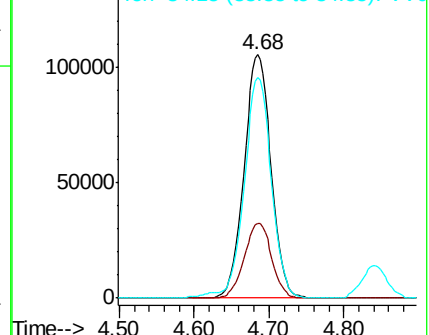
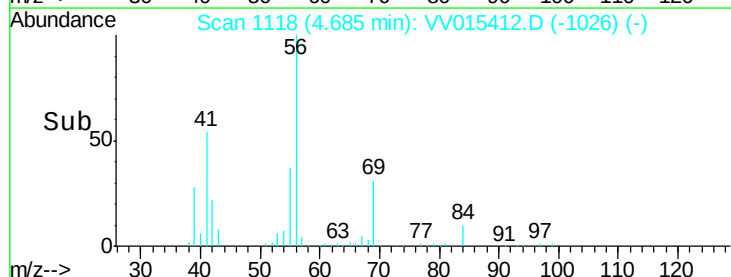
84 92.3 73.6 110.4

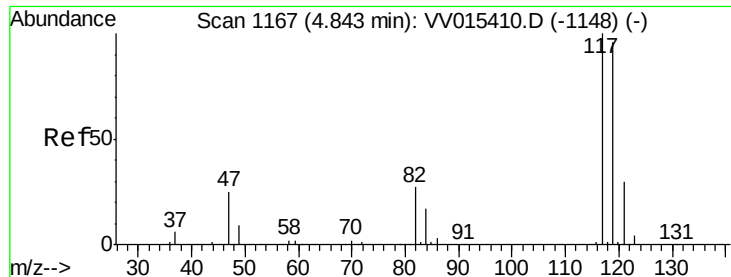


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 16.635 ug/L

RT: 4.84 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

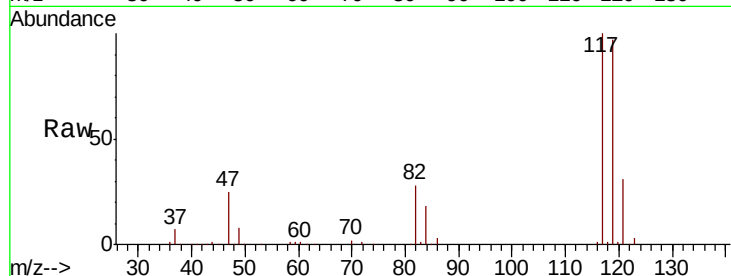
ClientSampleId :

Tot Ion:117 Resp: 187526

Ion Ratio Lower Upper

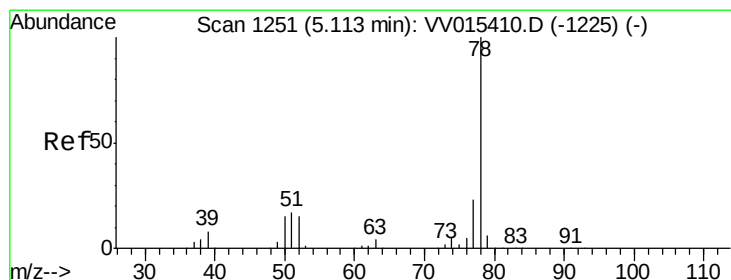
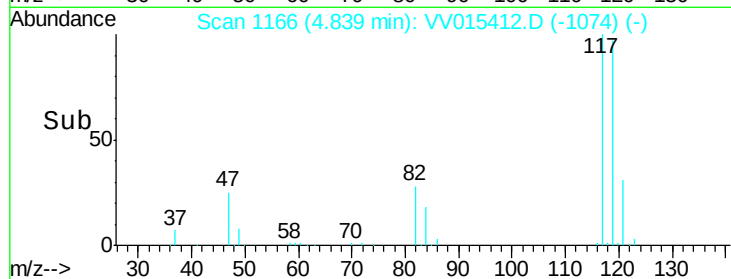
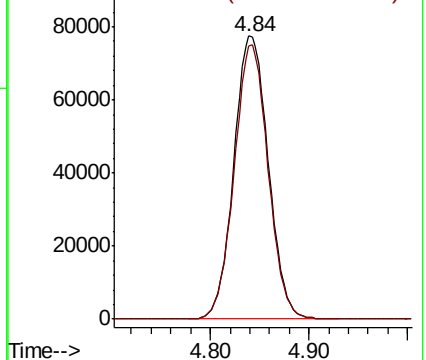
117 100

119 95.4 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 16.780 ug/L

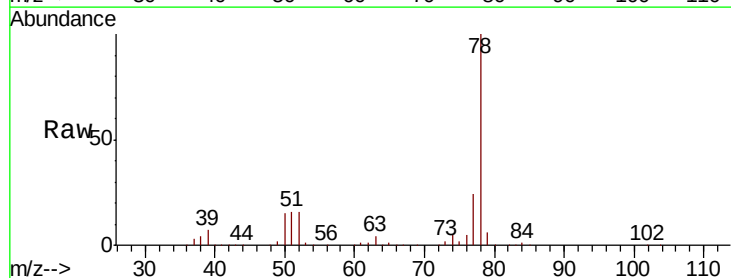
RT: 5.12 min Scan# 1254

Delta R.T. 0.01 min

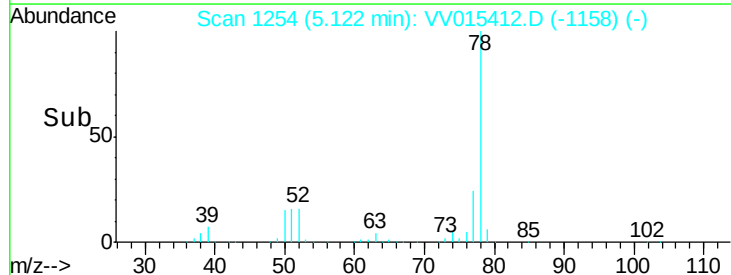
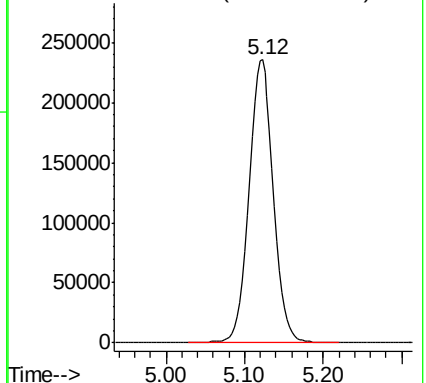
Lab File: VV015412.D

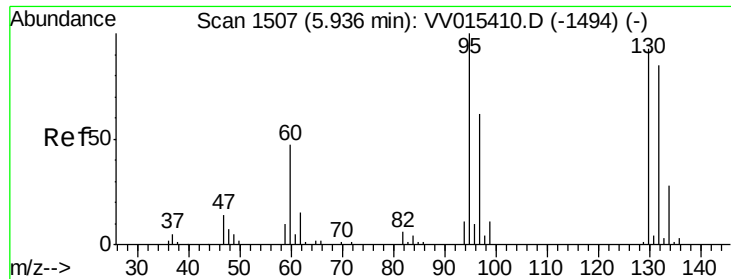
Acq: 06 Apr 2020 14:53

Tgt Ion: 78 Resp: 518213



Abundance Ion 78.10 (77.80 to 78.80): VV0

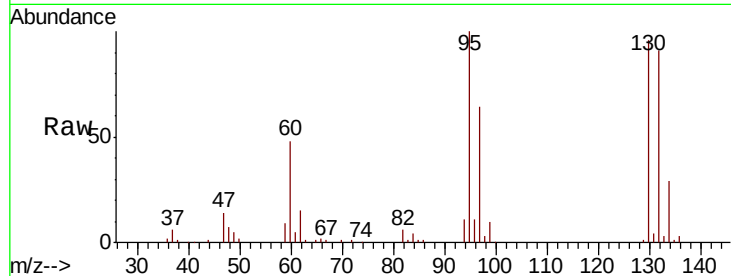




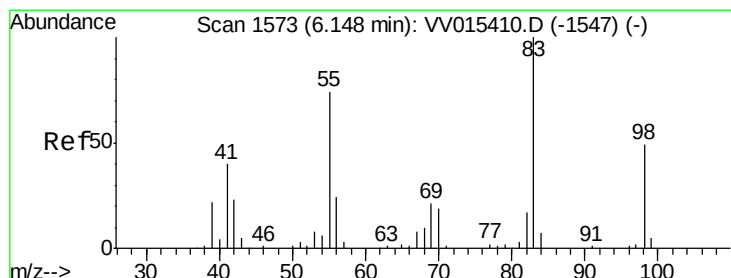
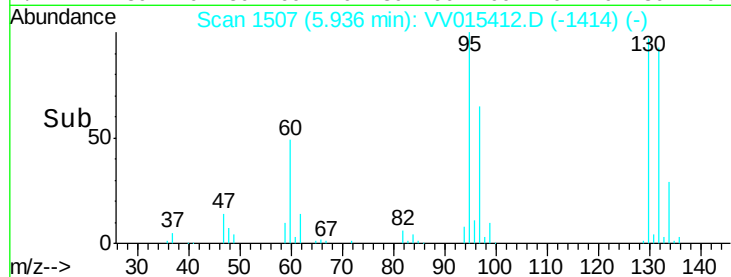
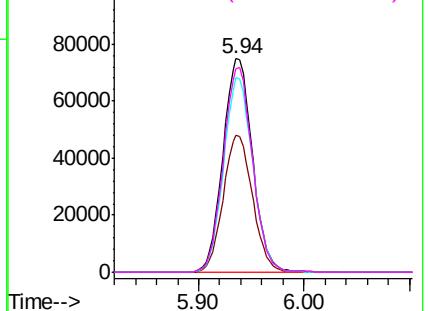
#34
 Trichloroethene
 Concen: 17.993 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 144817
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.1 80.1
 132 91.0 59.4 110.4
 130 95.6 65.0 120.8

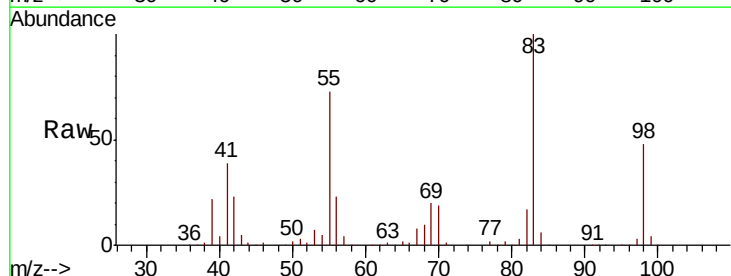


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

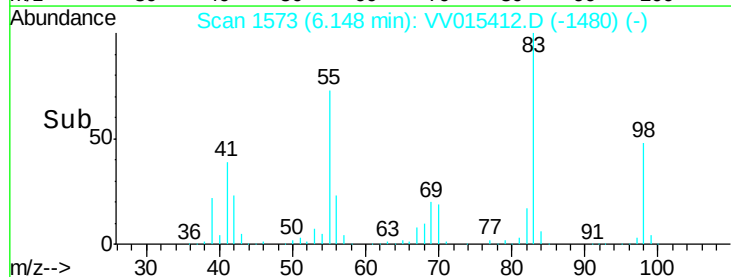
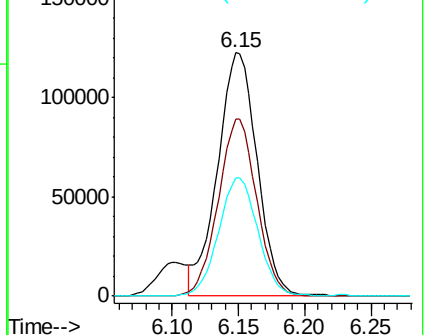


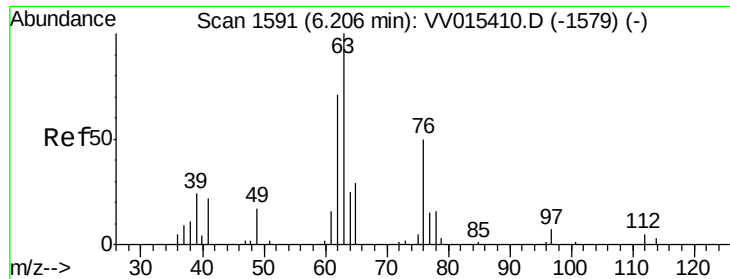
#35
 Methylcyclohexane
 Concen: 18.369 ug/L
 RT: 6.15 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Tgt Ion: 83 Resp: 254769
 Ion Ratio Lower Upper
 83 100
 55 70.6 52.8 79.2
 98 48.5 35.2 52.8



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

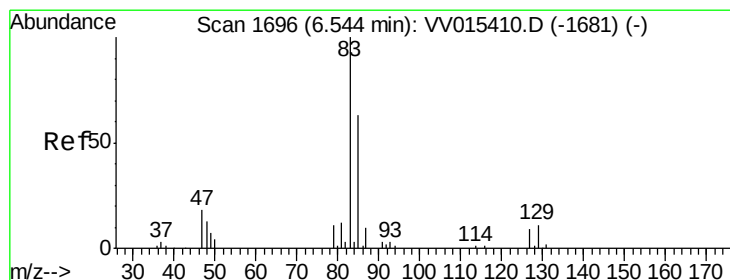
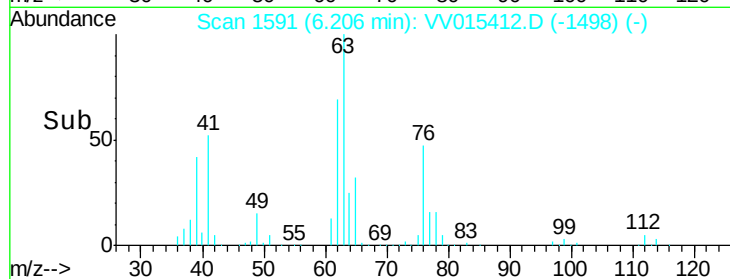
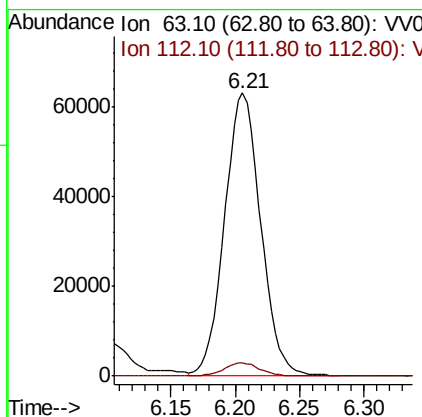
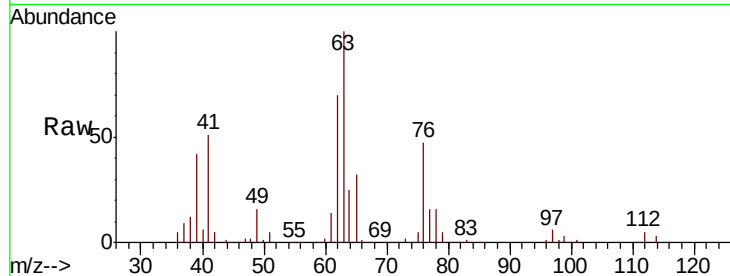




#37
 1,2-Dichloropropane
 Concen: 16.055 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

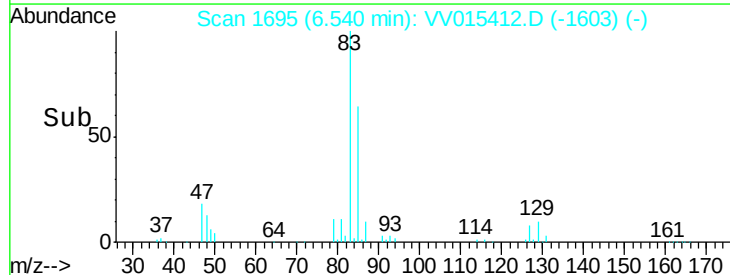
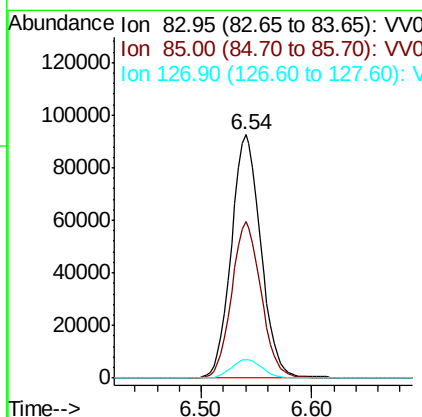
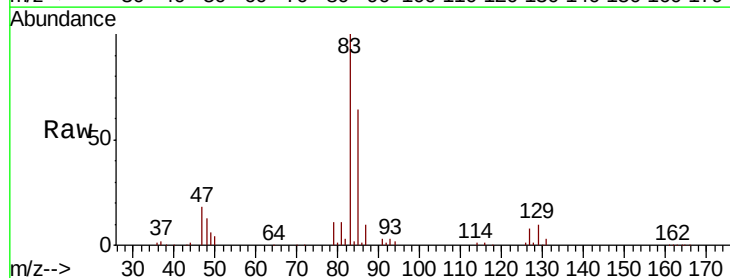
Instrument :
 MSVOA_V
 ClientSampleId :

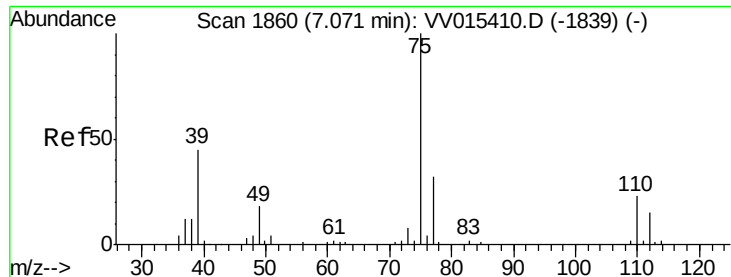
Tot Ion: 63 Resp: 121899
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 18.123 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Tgt Ion: 83 Resp: 172310
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.2 82.2
 127 7.7 6.9 10.3

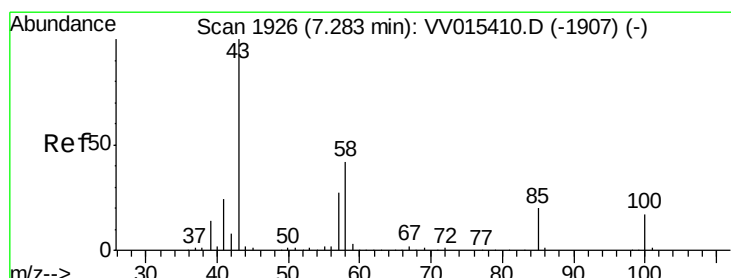
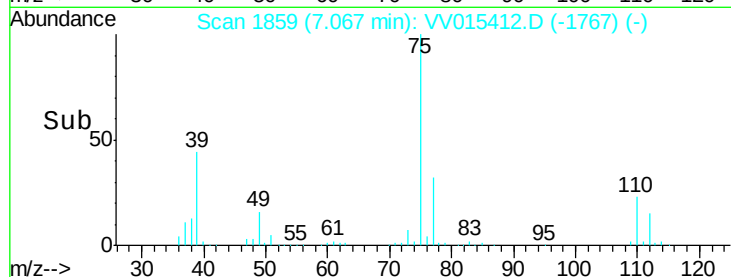
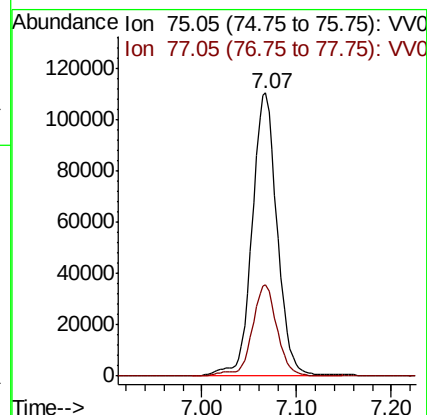
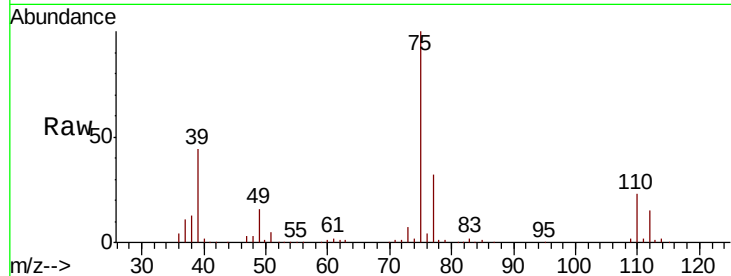




#39
 cis-1,3-Dichloropropene
 Concen: 18.132 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

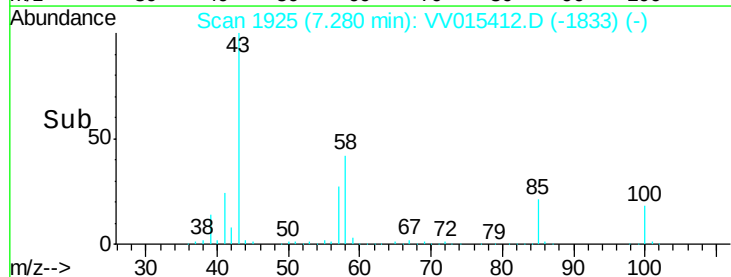
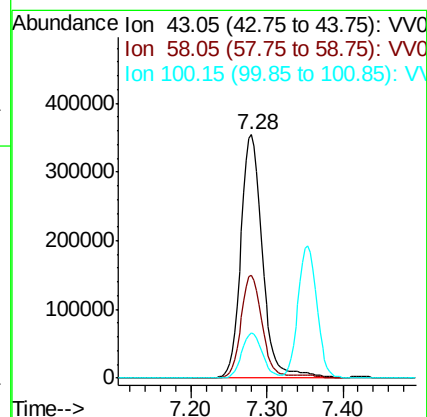
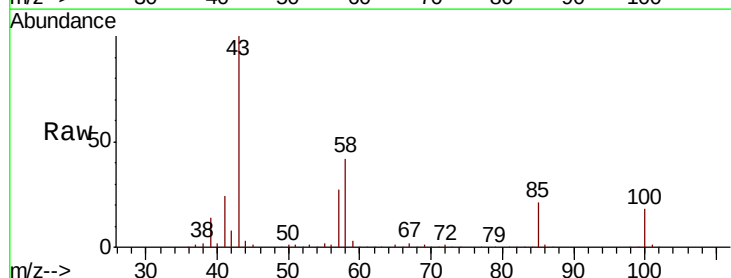
Instrument :
 MSVOA_V
 ClientSampleId :

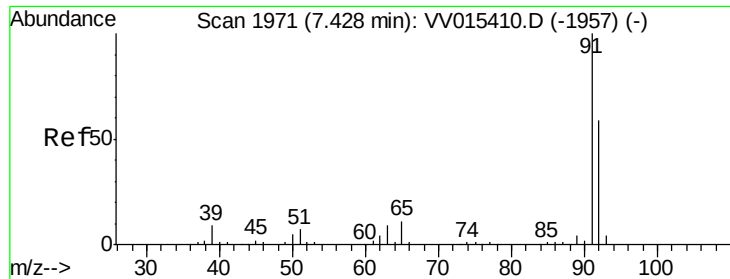
Tot Ion: 75 Resp: 204098
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 156.418 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Tgt Ion: 43 Resp: 700246
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.6
 100 17.8 13.6 20.4





#42

Toluene

Concen: 19.637 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

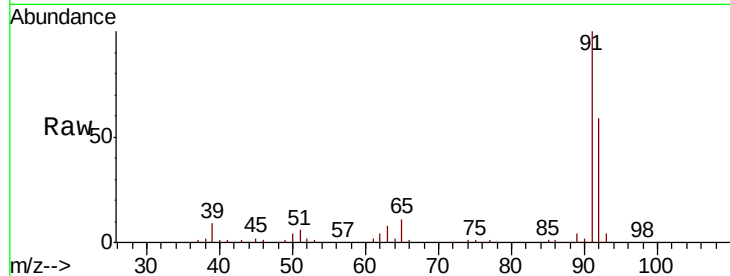
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 636886

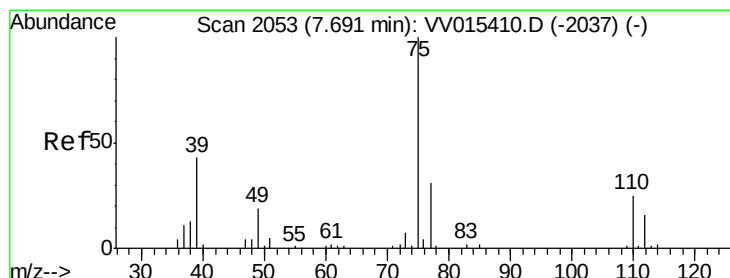
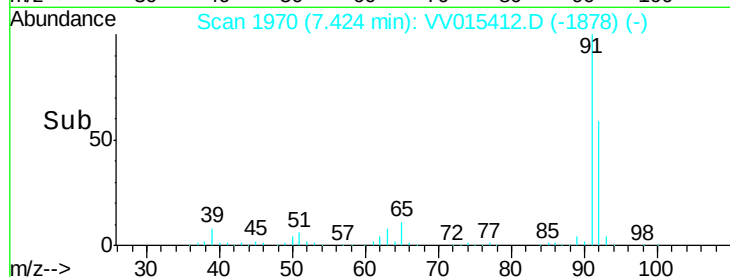
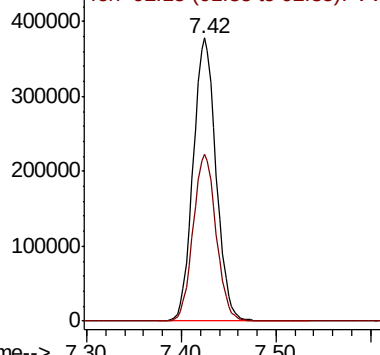
Ion Ratio Lower Upper

91 100

92 59.1 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 20.355 ug/L

RT: 7.68 min Scan# 2051

Delta R.T. -0.01 min

Lab File: VV015412.D

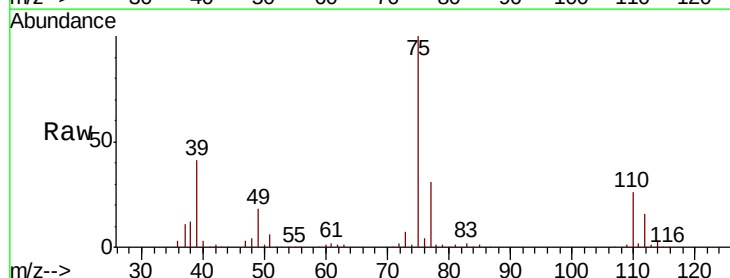
Acq: 06 Apr 2020 14:53

Tgt Ion: 75 Resp: 178628

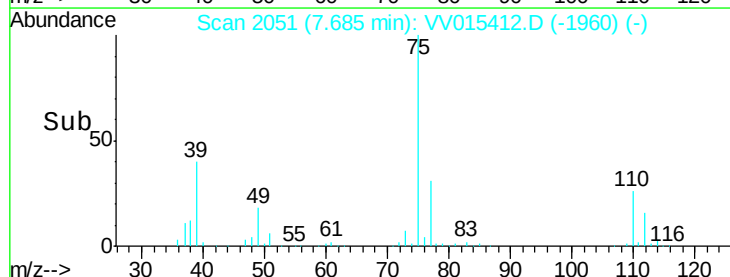
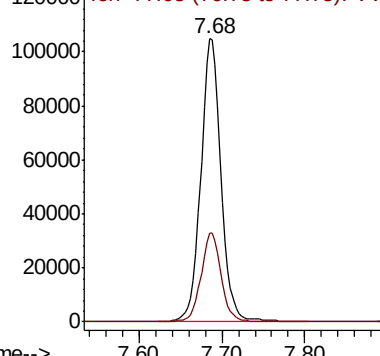
Ion Ratio Lower Upper

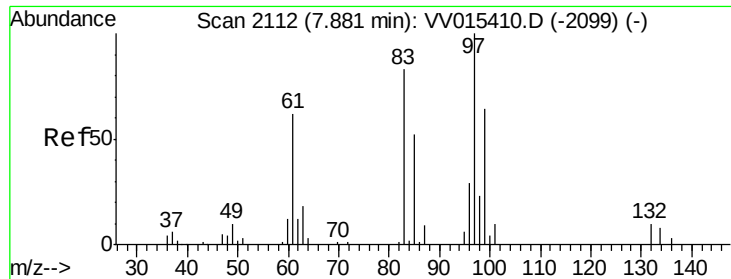
75 100

77 31.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

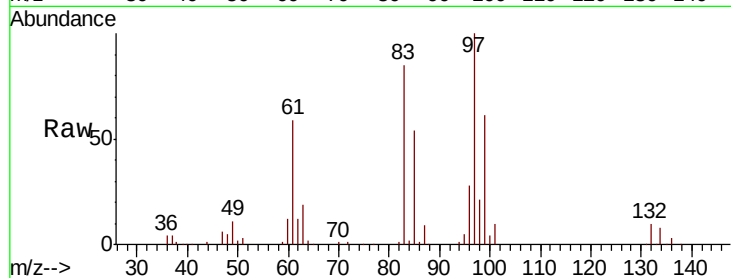




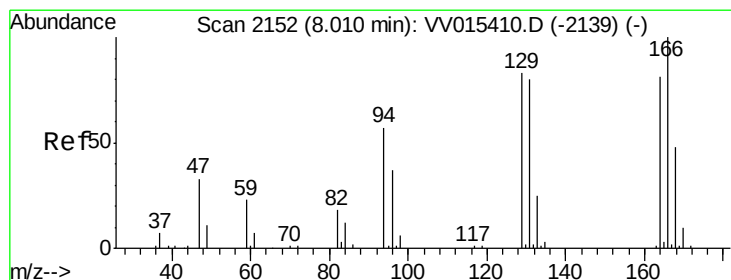
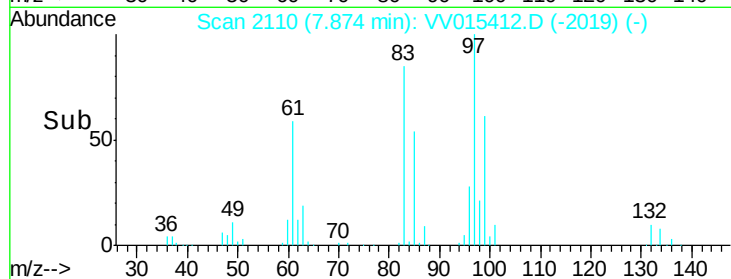
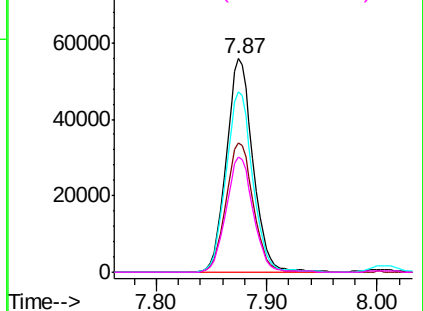
#45
 1,1,2-Trichloroethane
 Concen: 18.765 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	93711
Ion	Ratio	Lower	Upper
97	100		
99	60.6	44.9	83.3
83	84.6	58.3	108.3
85	54.1	36.6	68.0

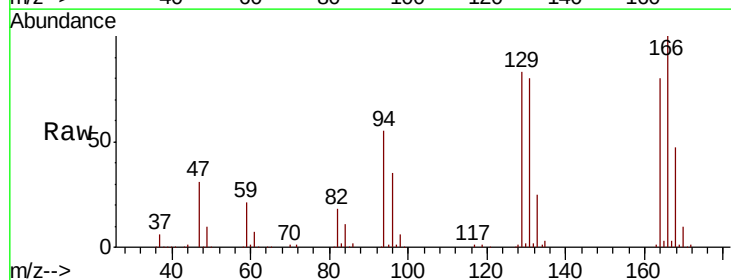


Abundance Ion 96.95 (96.65 to 97.65): VV015412.D (-2099) (-)
 Ion 99.05 (98.75 to 99.75): VV015412.D (-2099) (-)
 Ion 82.95 (82.65 to 83.65): VV015412.D (-2099) (-)
 Ion 85.00 (84.70 to 85.70): VV015412.D (-2099) (-)

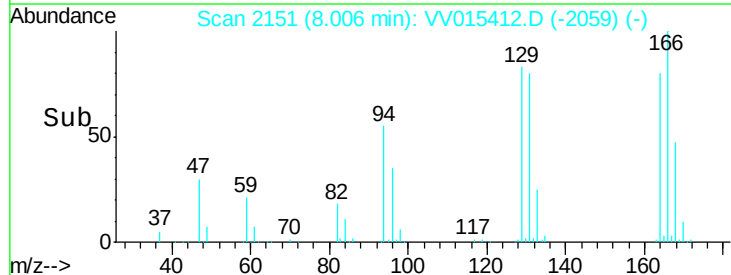
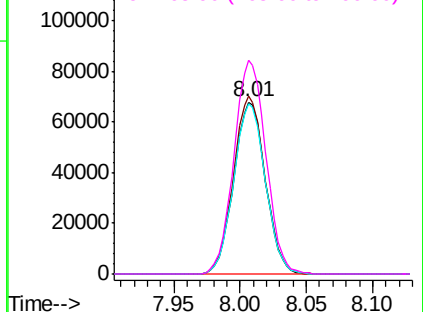


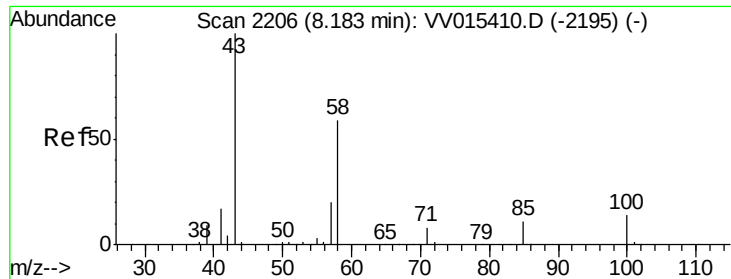
#47
 Tetrachloroethene
 Concen: 17.776 ug/L
 RT: 8.01 min Scan# 2151
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Tgt Ion:	164	Resp:	112395
Ion	Ratio	Lower	Upper
164	100		
129	103.6	71.6	133.0
131	99.4	69.1	128.3
166	124.5	86.1	159.9



Abundance Ion 163.90 (163.60 to 164.60): VV015412.D (-2059) (-)
 Ion 128.95 (128.65 to 129.65): VV015412.D (-2059) (-)
 Ion 130.95 (130.65 to 131.65): VV015412.D (-2059) (-)
 Ion 165.90 (165.60 to 166.60): VV015412.D (-2059) (-)

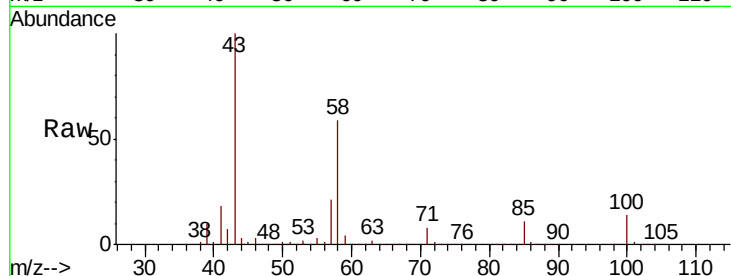




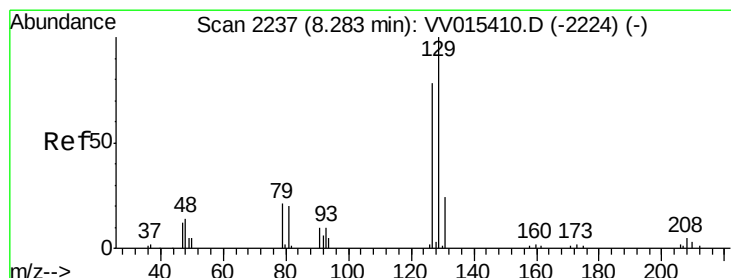
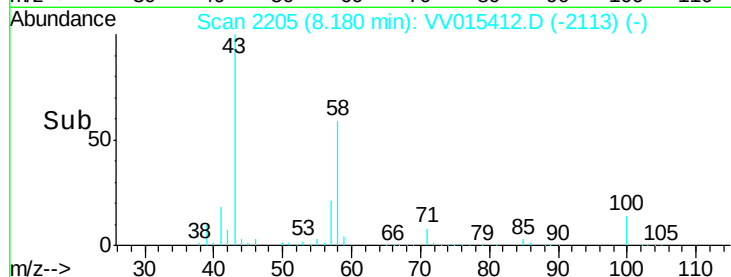
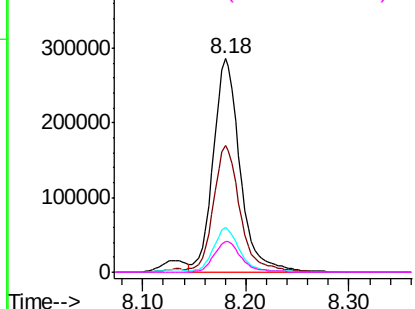
#48
2-Hexanone
Concen: 161.913 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 516144
Ion Ratio Lower Upper
43 100
58 59.4 49.0 73.4
57 20.6 16.1 24.1
100 14.9 11.5 17.3

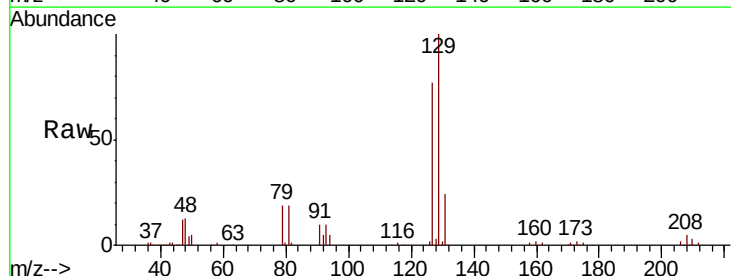


Abundance Ion 43.05 (42.75 to 43.75): VV015412.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV015412.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV015412.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV015412.D (-2113) (-)

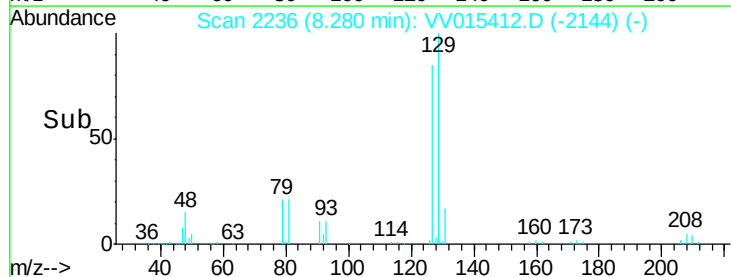
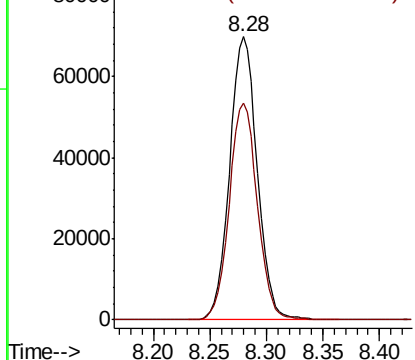


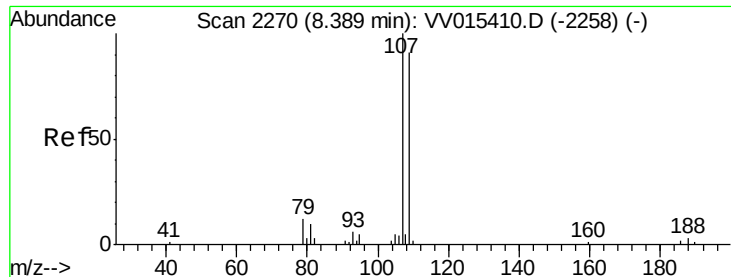
#49
Dibromochloromethane
Concen: 20.982 ug/L
RT: 8.28 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Tgt Ion: 129 Resp: 118666
Ion Ratio Lower Upper
129 100
127 76.7 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): VV015412.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV015412.D (-2144) (-)

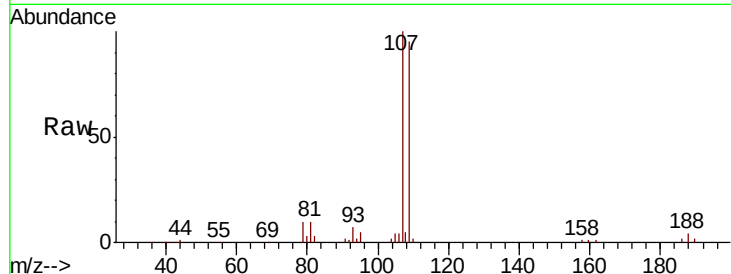




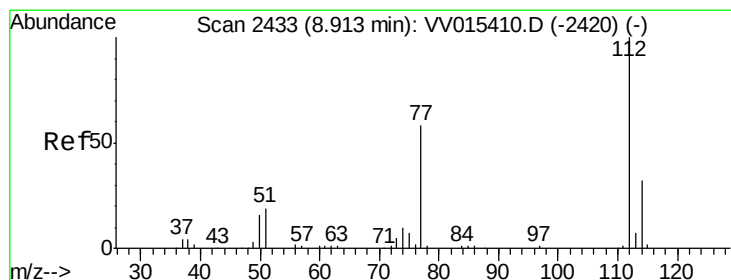
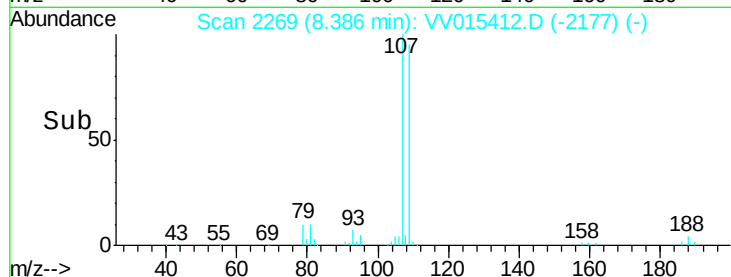
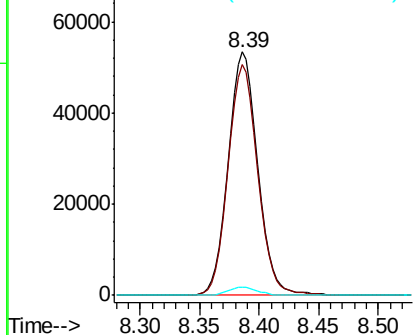
#50
1,2-Dibromoethane
Concen: 19.246 ug/L
RT: 8.39 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 91825
Ion Ratio Lower Upper
107 100
109 94.6 63.5 117.9
188 3.5 2.6 4.0

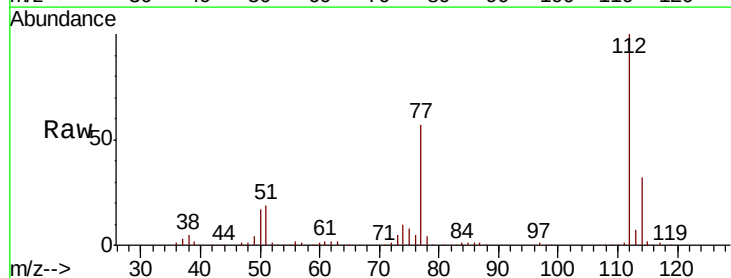


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

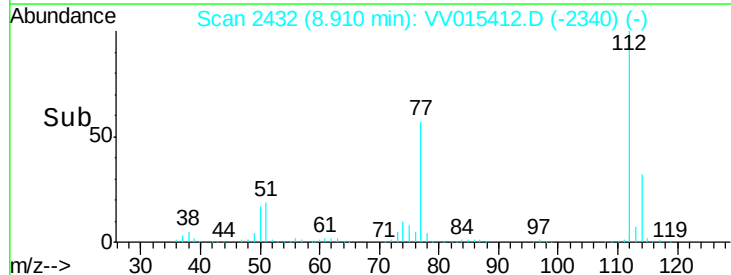
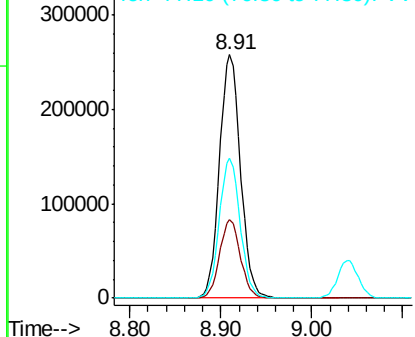


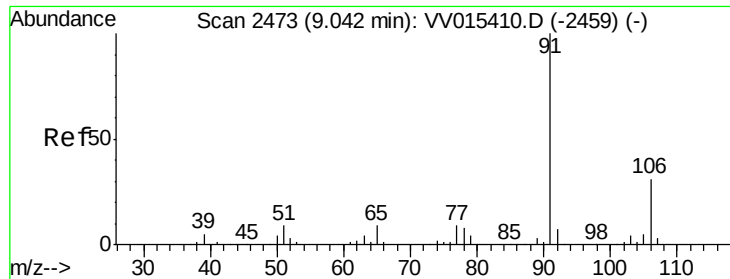
#51
Chlorobenzene
Concen: 19.983 ug/L
RT: 8.91 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VV015412.D
Acq: 06 Apr 2020 14:53

Tgt Ion:112 Resp: 414220
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 57.4 46.8 70.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 20.082 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

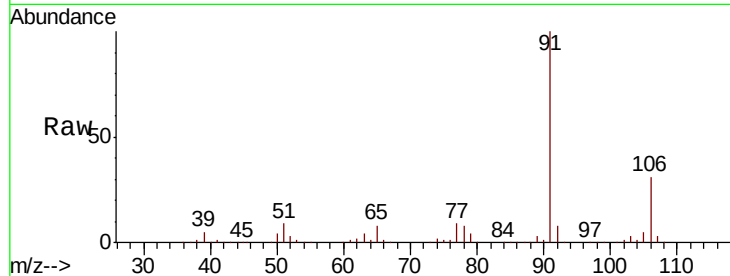
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 744982

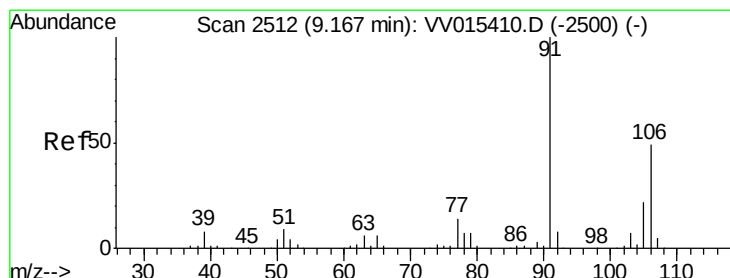
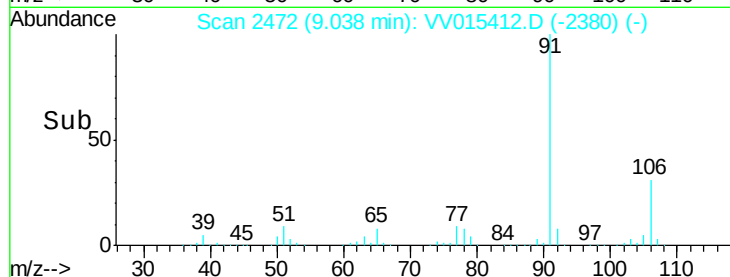
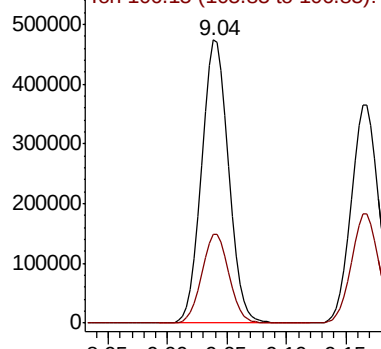
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV015412.D (-2459) (-)



#53

m,p-xylene

Concen: 21.602 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VV015412.D

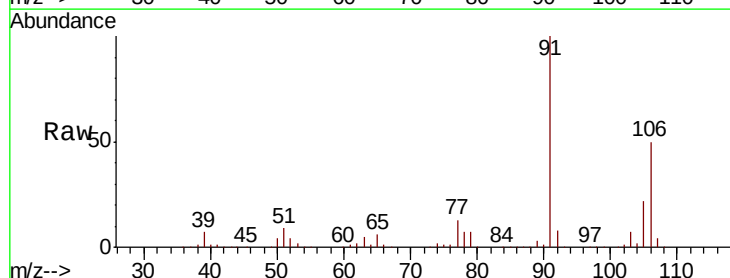
Acq: 06 Apr 2020 14:53

Tgt Ion: 106 Resp: 296277

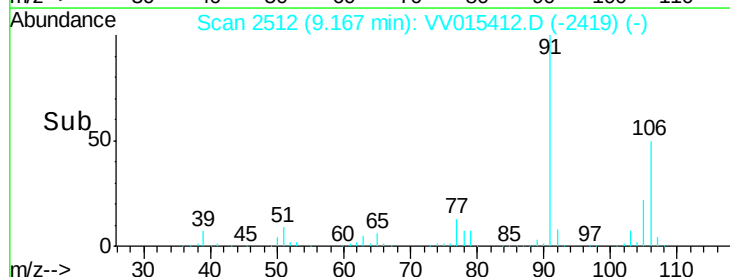
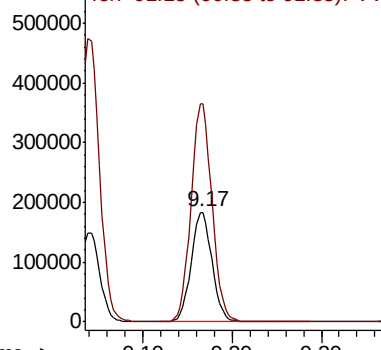
Ion Ratio Lower Upper

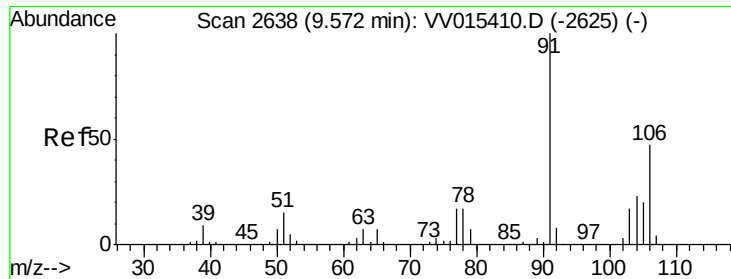
106 100

91 198.7 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VV015412.D (-2500) (-)





#54

o-xylene

Concen: 21.094 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

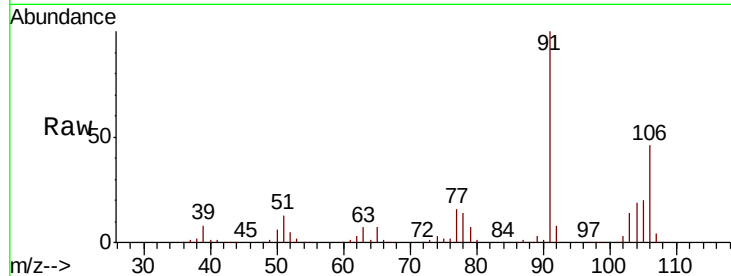
ClientSampled :

Tot Ion:106 Resp: 281003

Ion Ratio Lower Upper

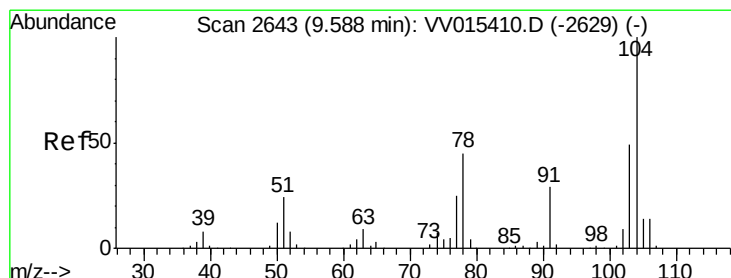
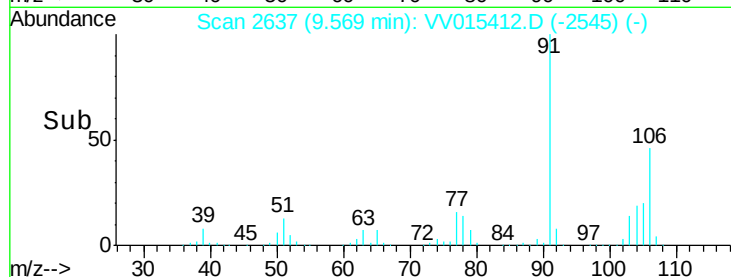
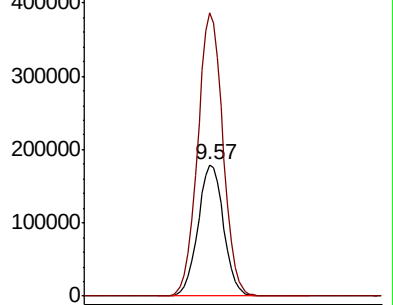
106 100

91 215.9 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 21.346 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV015412.D

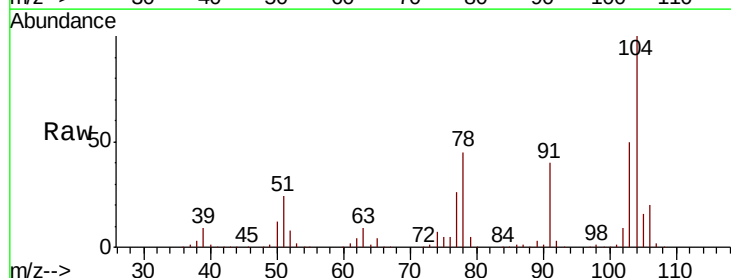
Acq: 06 Apr 2020 14:53

Tgt Ion:104 Resp: 475302

Ion Ratio Lower Upper

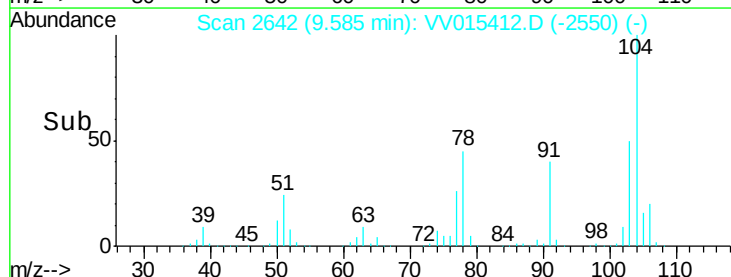
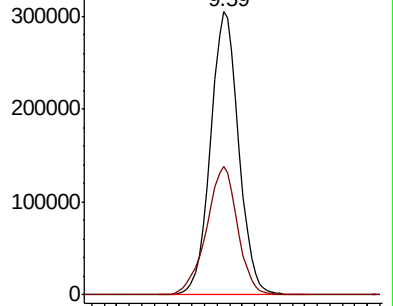
104 100

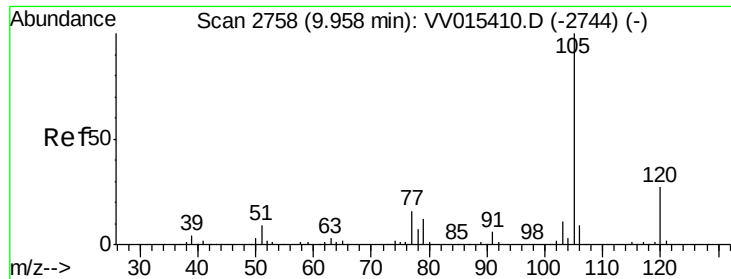
78 45.2 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 21.061 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :
MSVOA_V
ClientSampleId :

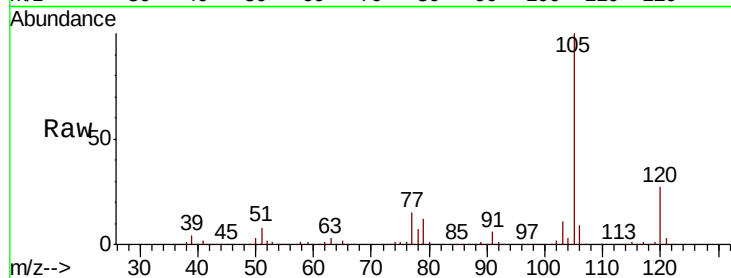
Tot Ion:105 Resp: 757661

Ion Ratio Lower Upper

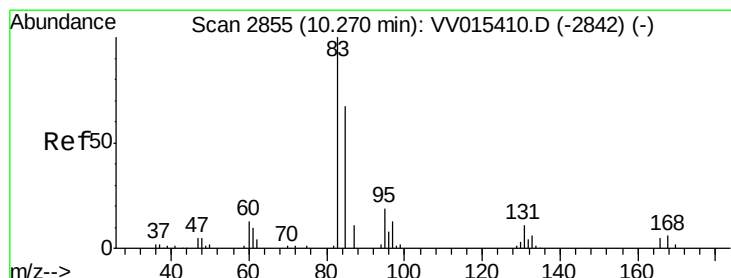
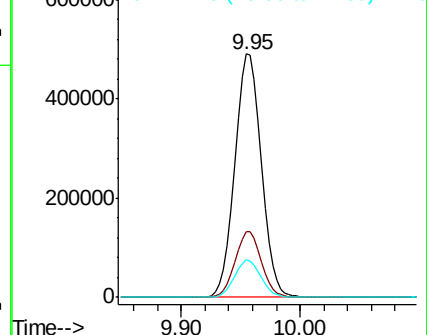
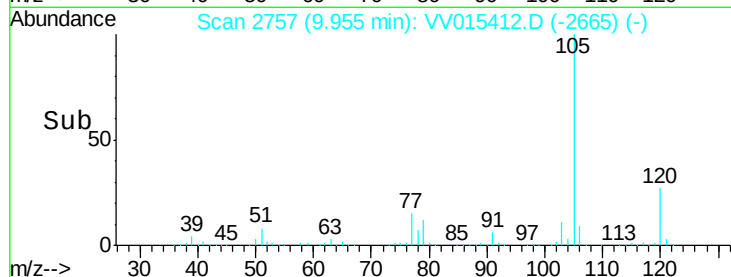
105 100

120 26.7 21.2 31.8

77 15.3 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 17.722 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

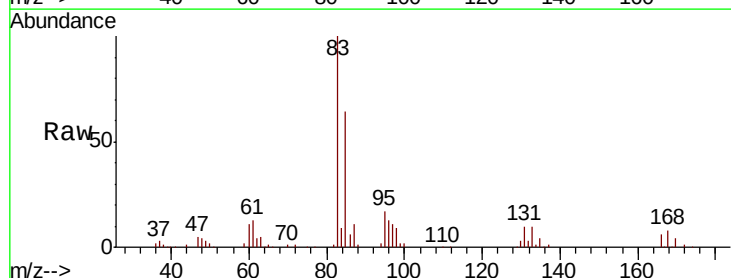
Tgt Ion: 83 Resp: 109042

Ion Ratio Lower Upper

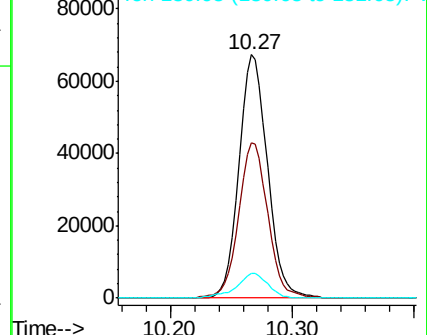
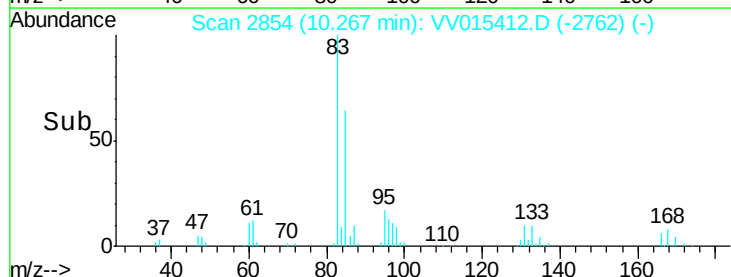
83 100

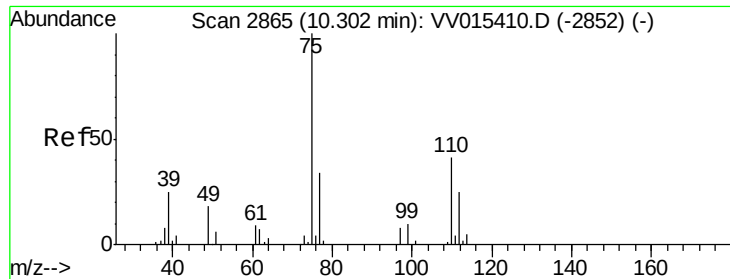
85 64.0 46.7 86.7

131 10.2 8.5 12.7



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.060 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

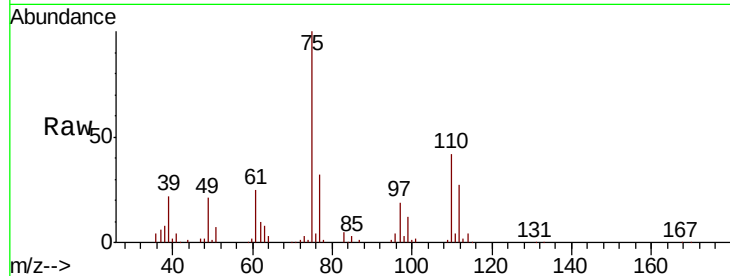
ClientSampleId :

Tot Ion: 75 Resp: 81414

Ion Ratio Lower Upper

75 100

77 31.9 27.7 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV015410.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV015410.D (-2852) (-)

10.30

60000

50000

40000

30000

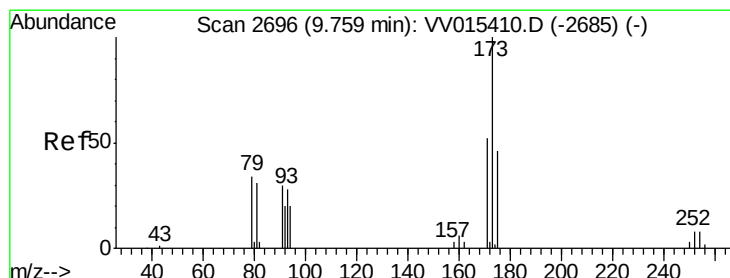
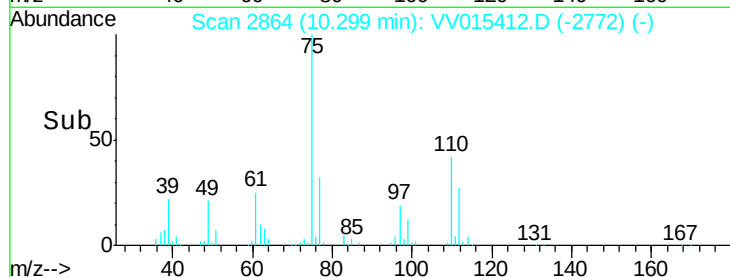
20000

10000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 20.643 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

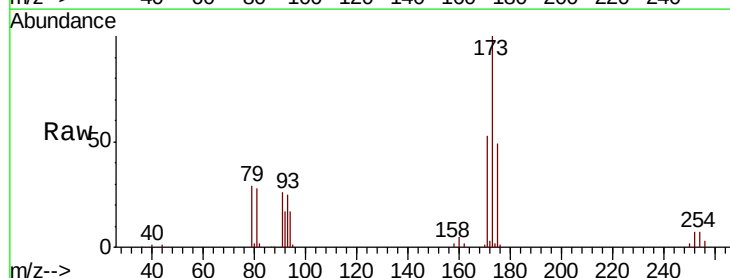
Tgt Ion: 173 Resp: 57223

Ion Ratio Lower Upper

173 100

175 48.7 37.8 56.8

254 7.3 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VV015410.D (-2685) (-)

Ion 174.90 (174.60 to 175.60): VV015410.D (-2685) (-)

Ion 253.75 (253.45 to 254.45): VV015410.D (-2685) (-)

9.76

40000

30000

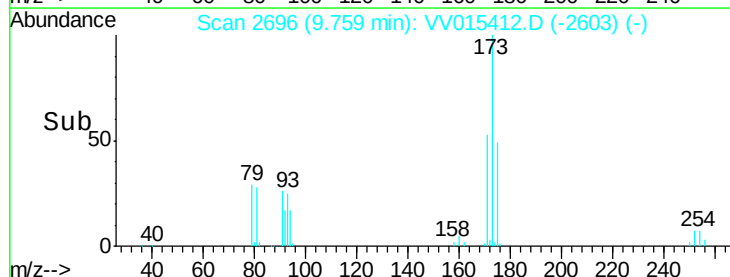
20000

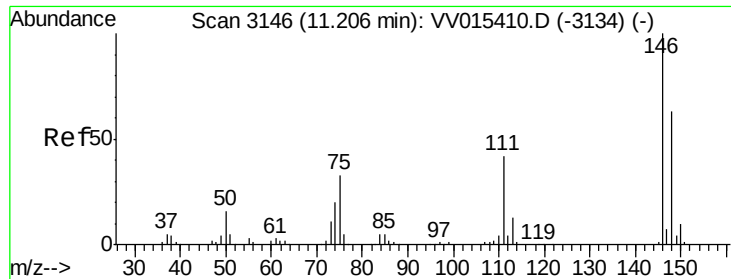
10000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 20.244 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

ClientSampled :

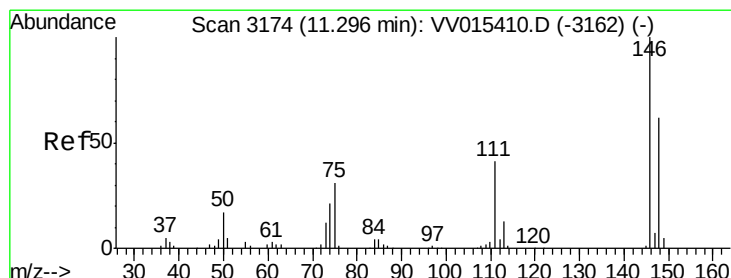
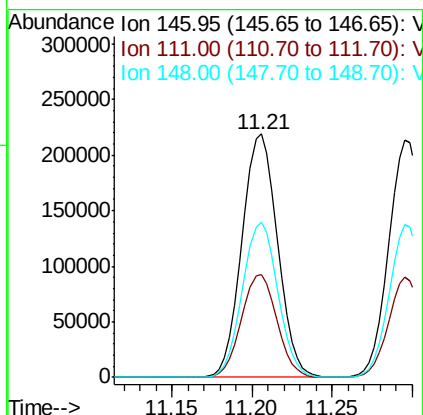
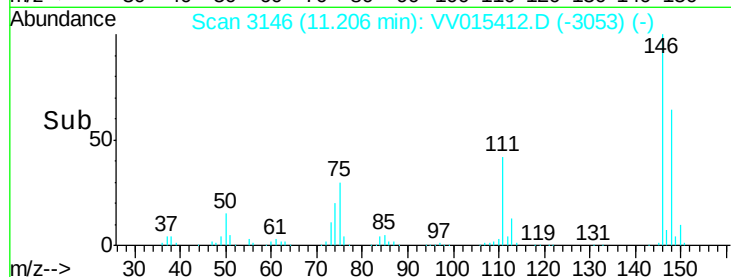
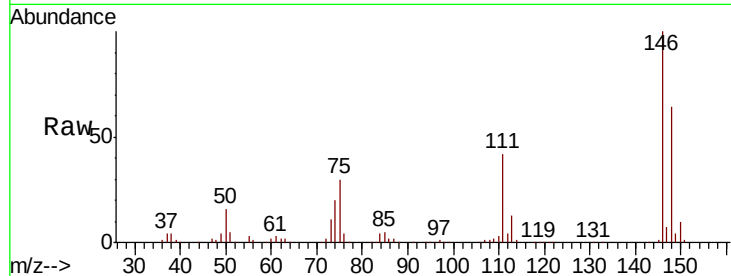
Tot Ion:146 Resp: 331598

Ion Ratio Lower Upper

146 100

111 42.1 29.1 54.1

148 63.7 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 19.643 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

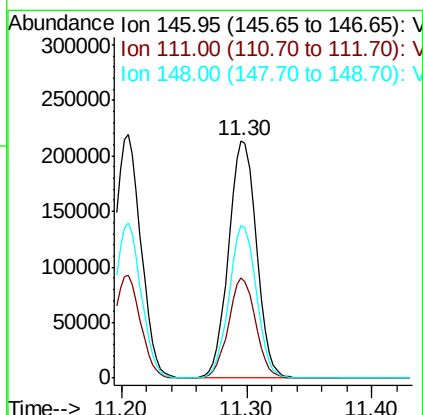
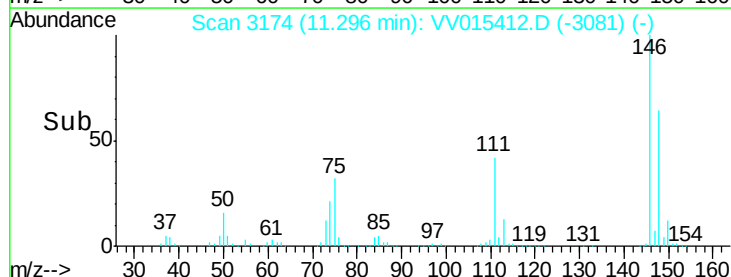
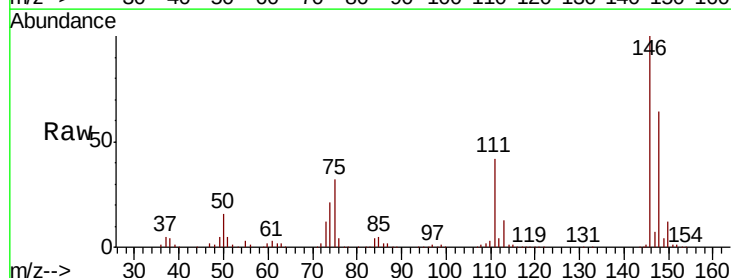
Tgt Ion:146 Resp: 329674

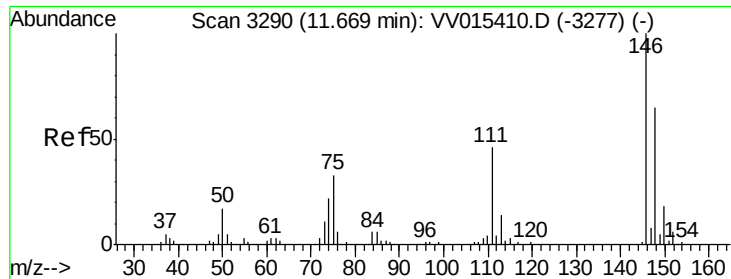
Ion Ratio Lower Upper

146 100

111 41.9 28.8 53.4

148 64.1 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 19.661 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

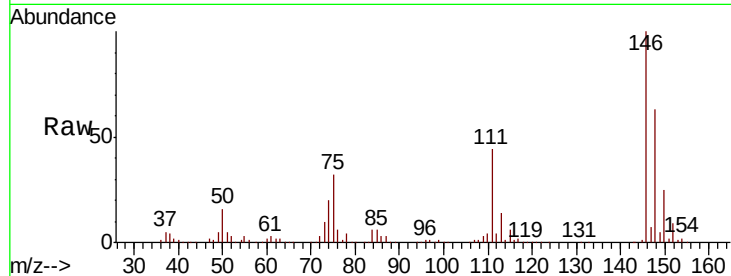
Tot Ion:146 Resp: 296141

Ion Ratio Lower Upper

146 100

111 43.7 37.1 55.7

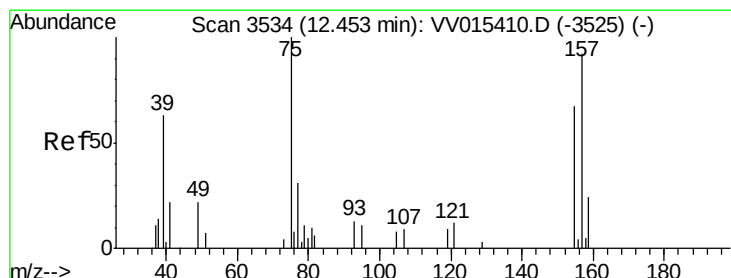
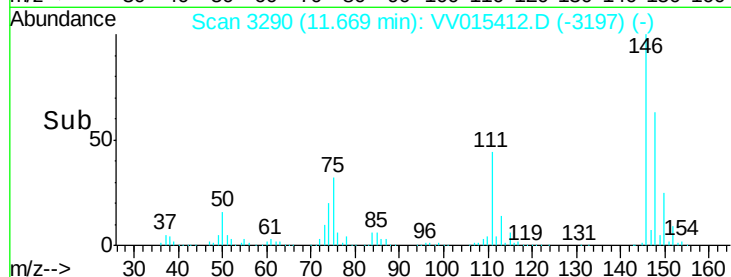
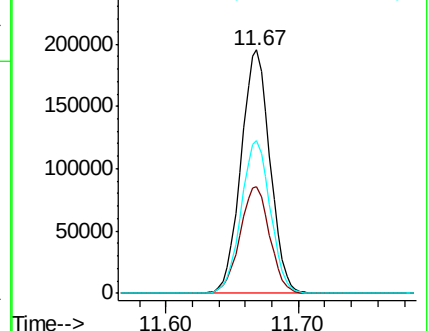
148 62.7 51.6 77.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 19.929 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

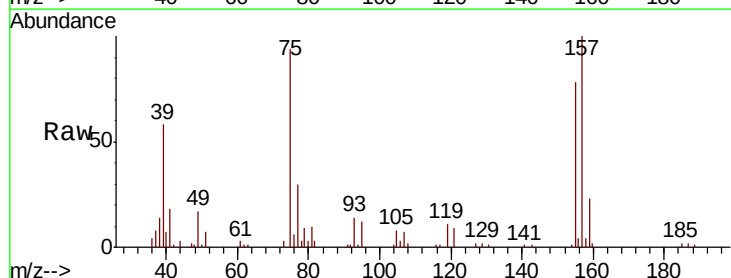
Tgt Ion: 75 Resp: 20405

Ion Ratio Lower Upper

75 100

155 82.1 53.8 80.8#

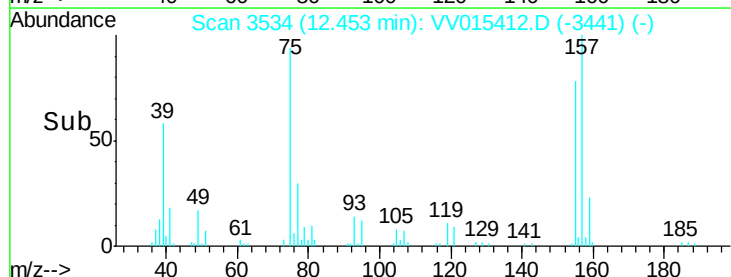
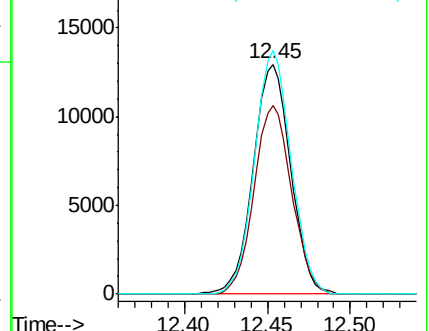
157 105.9 73.9 110.9

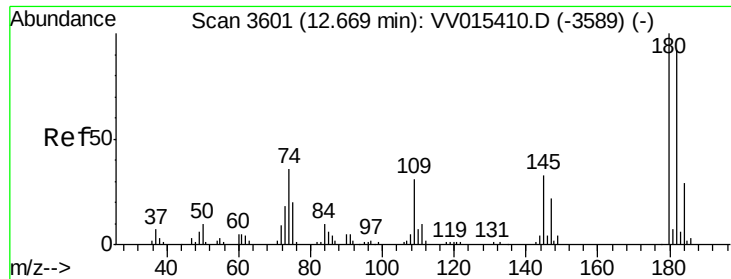


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

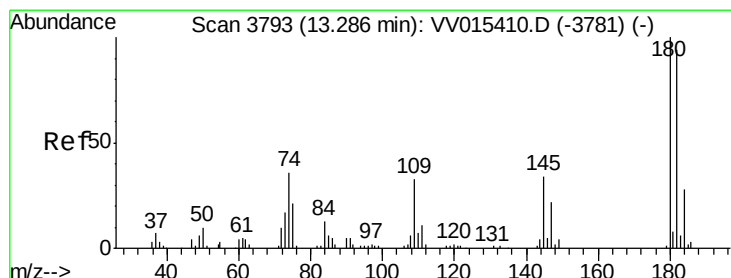
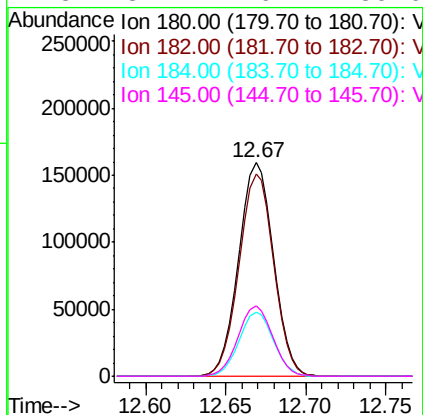
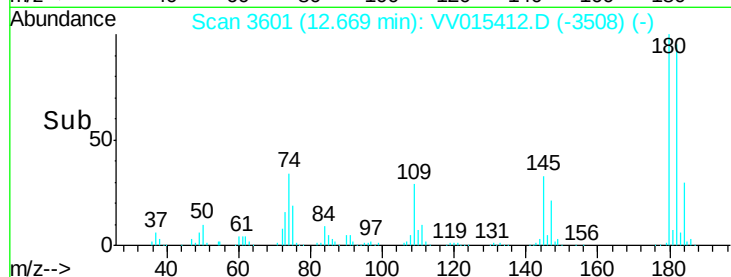
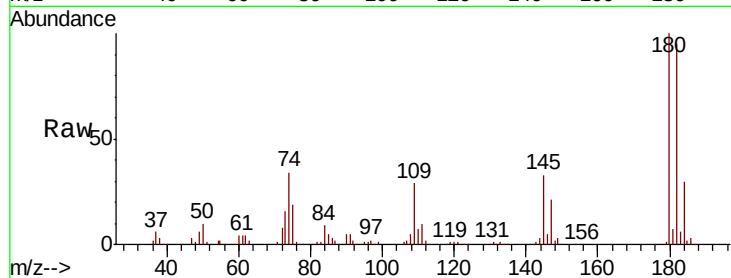




#67
 1,3,5-Trichlorobenzene
 Concen: 18.307 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

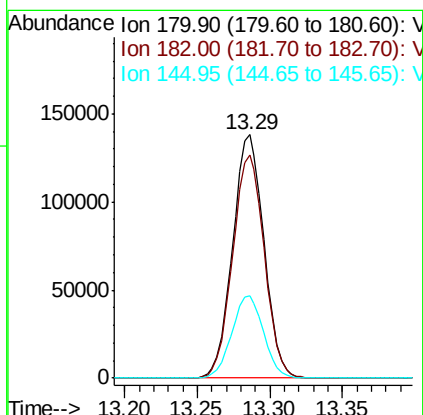
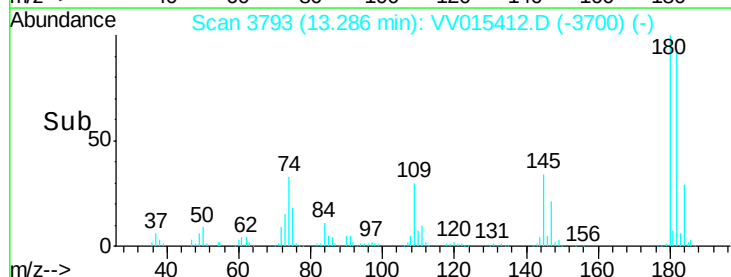
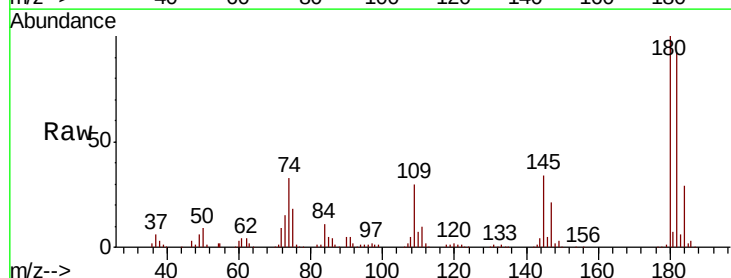
Instrument :
 MSVOA_V
 ClientSampleId :

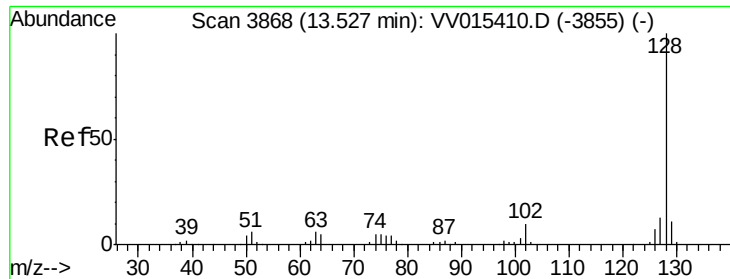
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.5	111.7
184	29.7	23.0	34.4
145	32.7	26.4	39.6



#68
 1,2,4-trichlorobenzene
 Concen: 18.536 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015412.D
 Acq: 06 Apr 2020 14:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.4	113.2
145	34.4	28.0	42.0





#69

Naphthalene

Concen: 21.806 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

Instrument :

MSVOA_V

ClientSampleId :

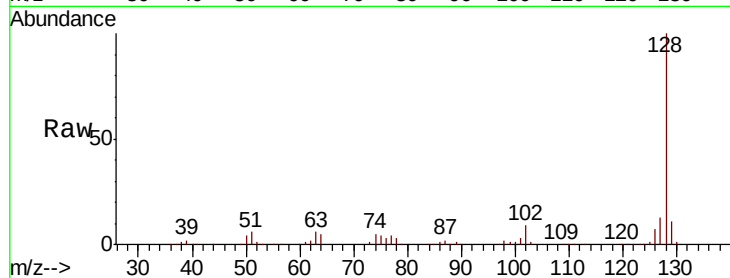
Tot Ion:128 Resp: 408452

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

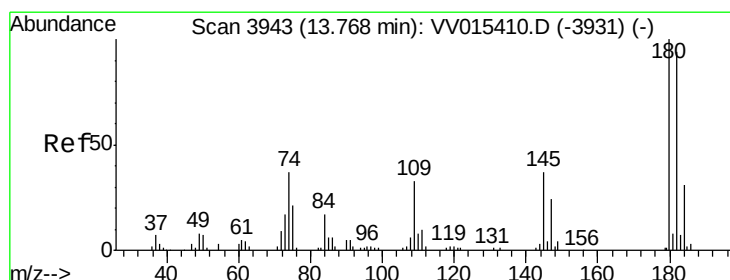
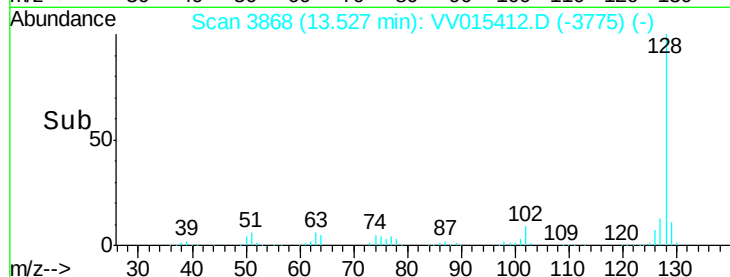
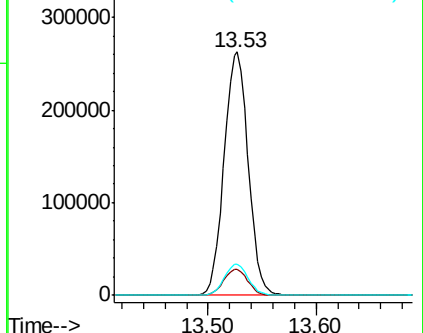
127 12.8 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 18.083 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015412.D

Acq: 06 Apr 2020 14:53

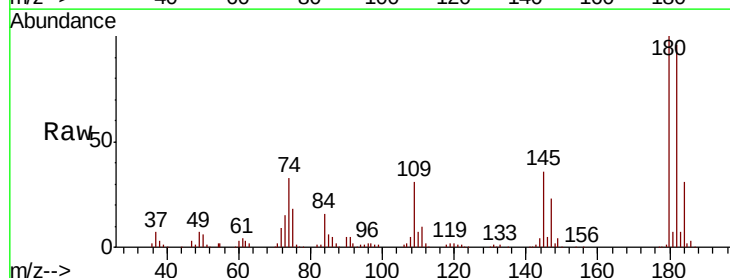
Tgt Ion:180 Resp: 178400

Ion Ratio Lower Upper

180 100

182 94.6 75.0 112.4

145 36.4 29.3 43.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

