

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015411.D
 Acq On : 06 Apr 2020 14:27
 Operator : SY/MD
 Sample : VSTD01036
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 07 02:09:43 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	5.65	114	97212	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	102016	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52180	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70254	9.53	ug/L	0.00
7) Chloroethane-d5	1.60	69	63316	10.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	159950	12.04	ug/L	0.00
20) 2-Butanone-d5	4.01	46	166873	107.74	ug/L	0.00
24) Chloroform-d	4.38	84	138317	10.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	58153	8.33	ug/L	0.00
32) Benzene-d6	5.08	84	222408	7.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	70350	8.10	ug/L	0.00
41) Toluene-d8	7.36	98	241767	9.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	31479	9.22	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	136868	98.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	55992	8.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	86576	9.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	88652	8.565 ug/L	99
3) Chloromethane	1.26	50	91043	9.368 ug/L	98
5) Vinyl chloride	1.33	62	96176	10.456 ug/L	100
6) Bromomethane	1.55	94	63171	11.912 ug/L	100
8) Chloroethane	1.61	64	57710	10.998 ug/L	96
9) Trichlorofluoromethane	1.78	101	142413	11.188 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	89941	12.969 ug/L	99
12) 1,1-Dichloroethene	2.14	96	83364	12.696 ug/L	84
13) Acetone	2.28	43	104083	99.735 ug/L	100
14) Carbon disulfide	2.32	76	266771	12.128 ug/L	100
15) Methyl Acetate	2.49	43	34056	12.222 ug/L	98
16) Methylene chloride	2.54	84	83874	10.548 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	188340	11.080 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	85310	11.163 ug/L	97
19) 1,1-Dichloroethane	3.22	63	150936	10.328 ug/L	99
21) 2-Butanone	4.09	43	185785	105.414 ug/L	# 73
22) cis-1,2-Dichloroethene	3.95	96	88839	10.902 ug/L	# 99
23) Bromochloromethane	4.28	128	36710	11.132 ug/L	98
25) Chloroform	4.41	83	171658	11.436 ug/L	98
27) 1,2-Dichloroethane	5.17	62	72671	8.646 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	145856	10.541 ug/L	98
30) Cyclohexane	4.69	56	145084	9.614 ug/L	99
31) Carbon tetrachloride	4.85	117	132755	11.110 ug/L	98
33) Benzene	5.13	78	258693	7.903 ug/L	100
34) Trichloroethene	5.94	95	71854	8.423 ug/L	96
35) Methylcyclohexane	6.15	83	122900	8.360 ug/L	92
37) 1,2-Dichloropropane	6.21	63	62069	7.713 ug/L	98
38) Bromodichloromethane	6.55	83	85723	8.506 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	100022	8.383 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	352172	74.217 ug/L	100

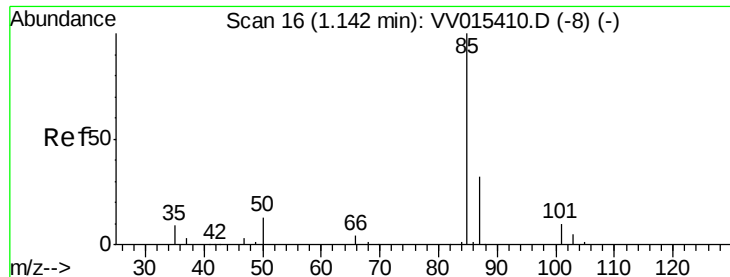
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015411.D
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 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	316003	9.192	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	85489	9.191	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	46089	8.707	ug/L	98
47) Tetrachloroethene	8.01	164	54005	8.058	ug/L	98
48) 2-Hexanone	8.18	43	256475	75.905	ug/L	100
49) Dibromochloromethane	8.28	129	56563	9.436	ug/L	99
50) 1,2-Dibromoethane	8.39	107	45805	9.058	ug/L	99
51) Chlorobenzene	8.91	112	202800	9.230	ug/L	99
52) Ethylbenzene	9.04	91	365617	9.298	ug/L	99
53) m,p-xylene	9.17	106	144074	9.910	ug/L	98
54) o-xylene	9.57	106	137235	9.719	ug/L	97
55) Styrene	9.59	104	232826	9.865	ug/L	100
56) Isopropylbenzene	9.96	105	371828	9.751	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.27	83	55157	8.458	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	40089	8.390	ug/L	99
61) Bromoform	9.76	173	25999	8.800	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	162056	9.283	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	161328	9.019	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	146407	9.120	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	9912	9.083	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	112006	8.161	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	97598	8.251	ug/L	99
69) Naphthalene	13.53	128	198633	9.949	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	84814	8.066	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 8.565 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

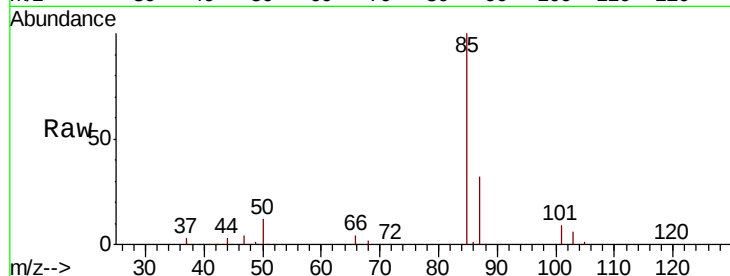
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 88652

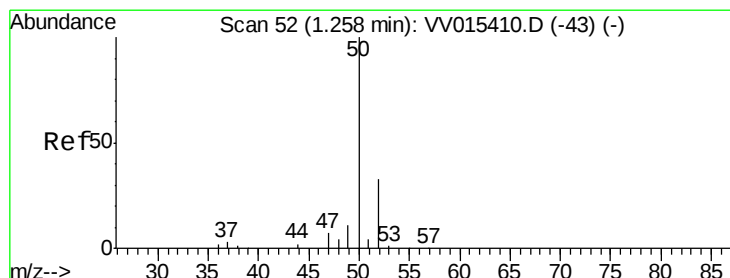
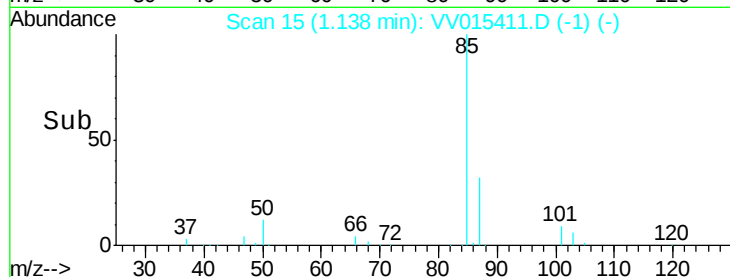
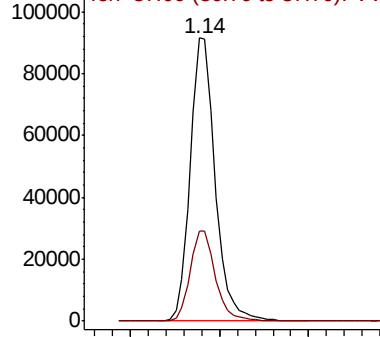
Ion Ratio Lower Upper

85 100

87 32.1 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: 9.368 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV015411.D

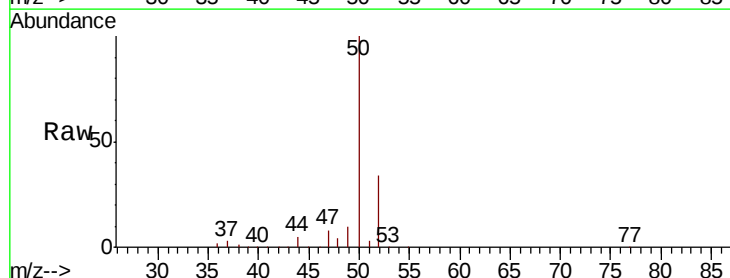
Acq: 06 Apr 2020 14:27

Tgt Ion: 50 Resp: 91043

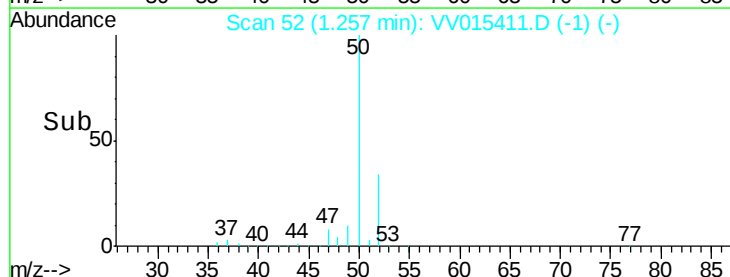
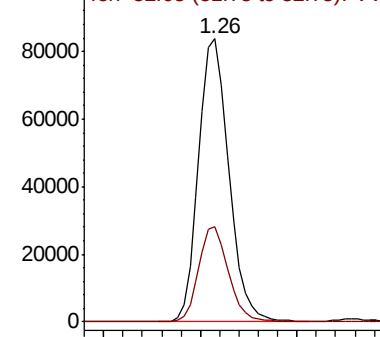
Ion Ratio Lower Upper

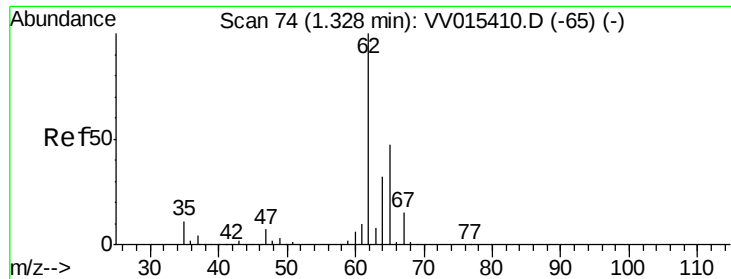
50 100

52 33.6 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: 10.456 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

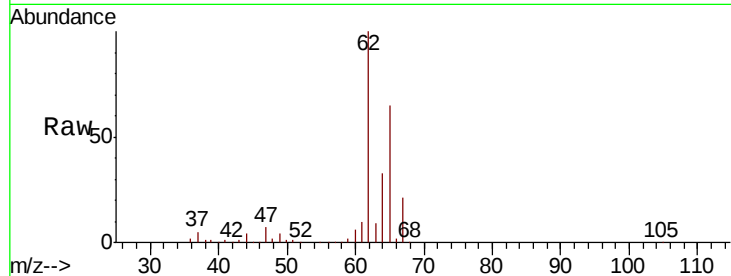
ClientSampleId :

Tot Ion: 62 Resp: 96176

Ion Ratio Lower Upper

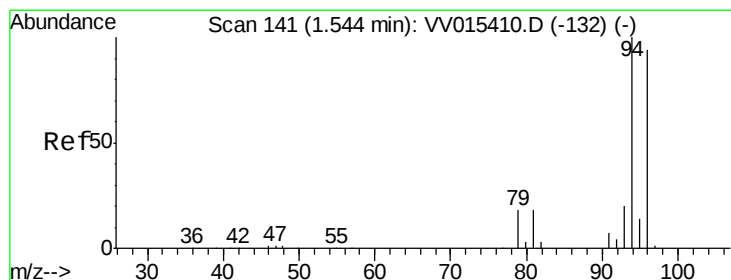
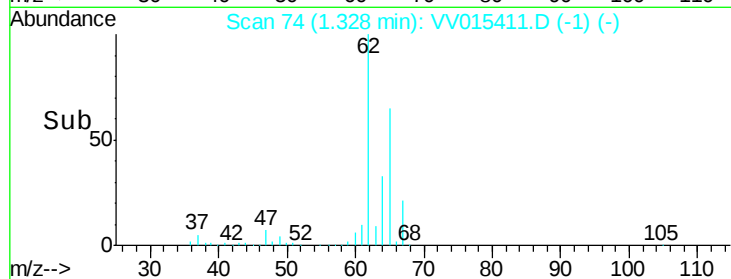
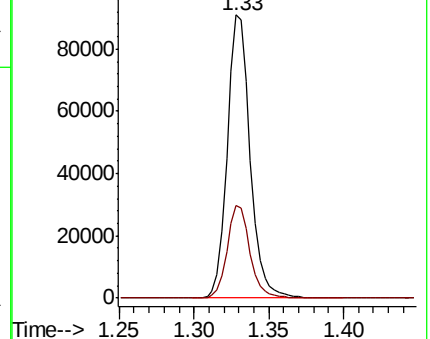
62 100

64 32.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 11.912 ug/L

RT: 1.55 min Scan# 143

Delta R.T. 0.01 min

Lab File: VV015411.D

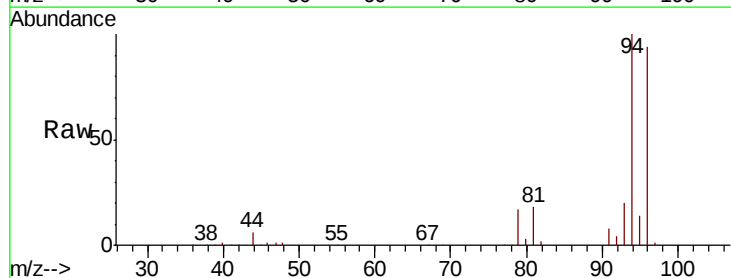
Acq: 06 Apr 2020 14:27

Tgt Ion: 94 Resp: 63171

Ion Ratio Lower Upper

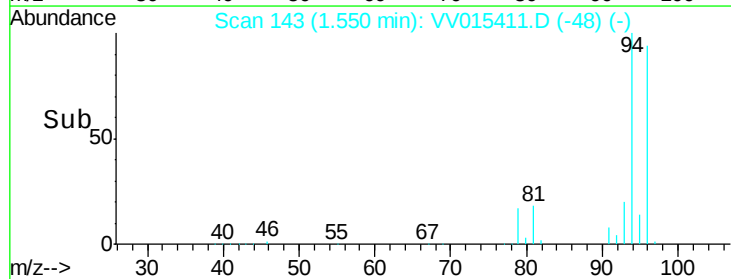
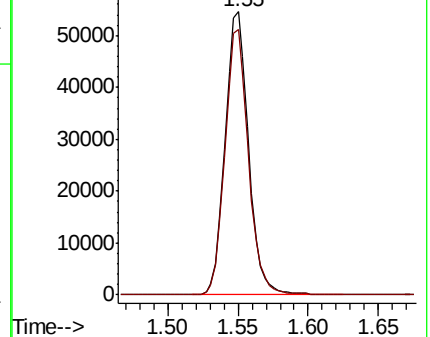
94 100

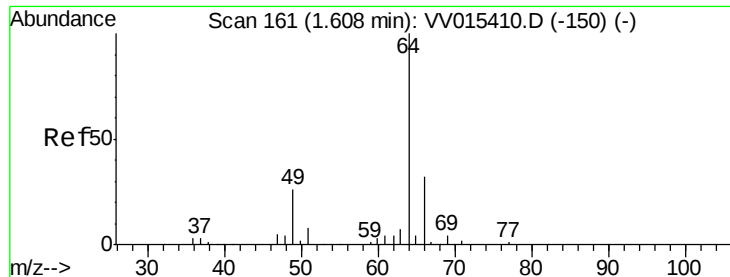
96 93.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 10.998 ug/L

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

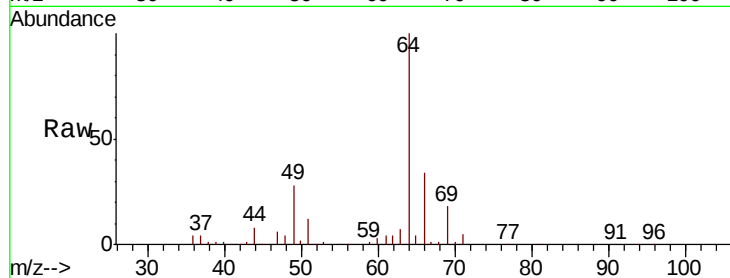
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 57710

Ion Ratio Lower Upper

64 100

66 33.7 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VV015411.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV015411.D (-150) (-)

1.61

50000

40000

30000

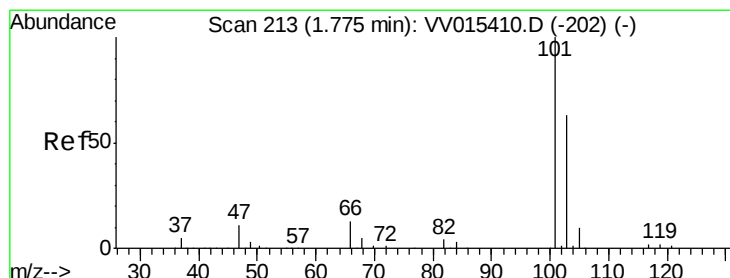
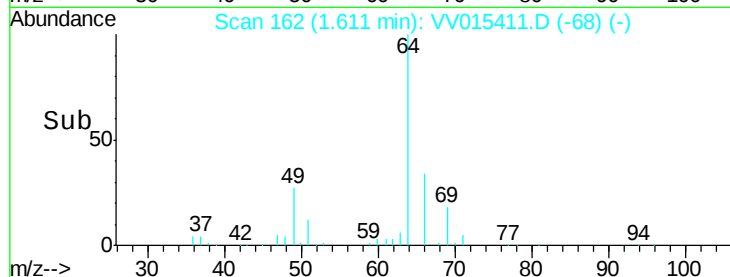
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 11.188 ug/L

RT: 1.78 min Scan# 214

Delta R.T. 0.00 min

Lab File: VV015411.D

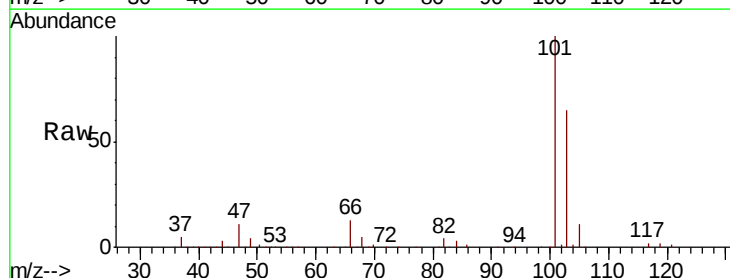
Acq: 06 Apr 2020 14:27

Tgt Ion:101 Resp: 142413

Ion Ratio Lower Upper

101 100

103 64.8 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV015411.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV015411.D (-202) (-)

1.78

120000

100000

80000

60000

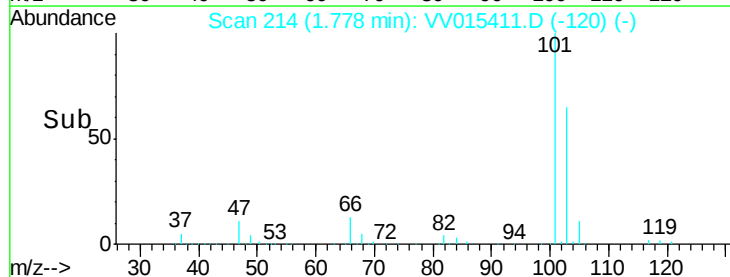
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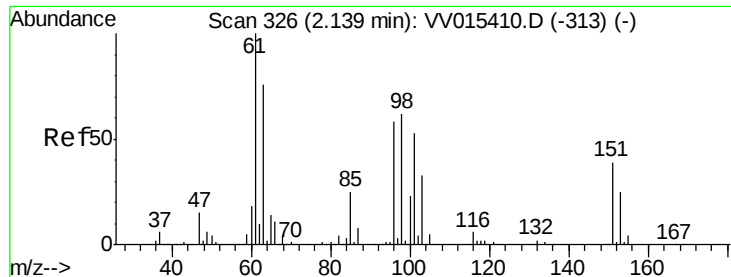
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 12.969 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

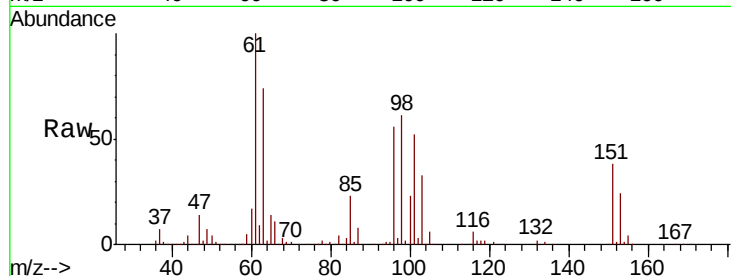
Tot Ion:101 Resp: 89941

Ion Ratio Lower Upper

101 100

85 44.4 36.2 54.4

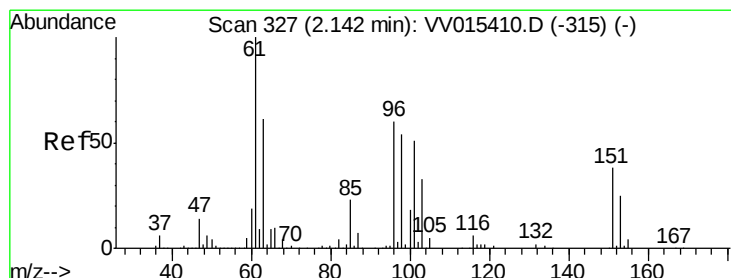
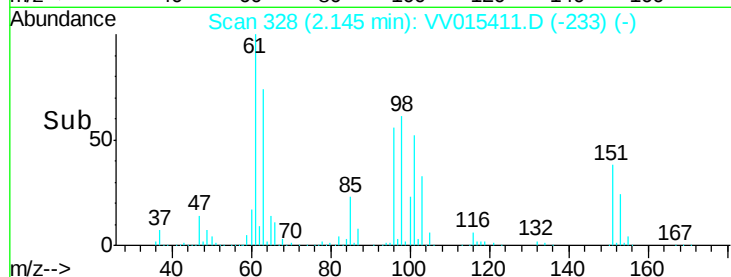
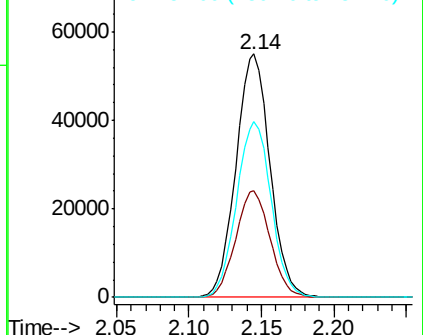
151 73.2 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): VV015411.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV015411.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV015411.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 12.696 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

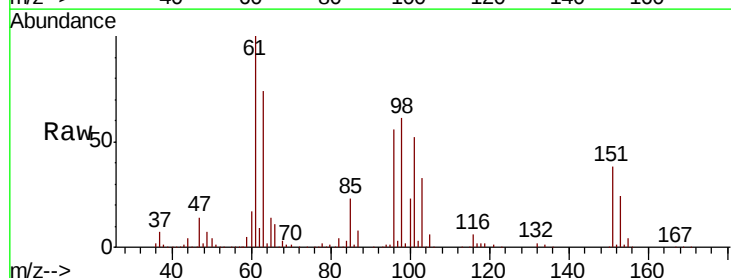
Tgt Ion: 96 Resp: 83364

Ion Ratio Lower Upper

96 100

61 179.7 117.1 217.5

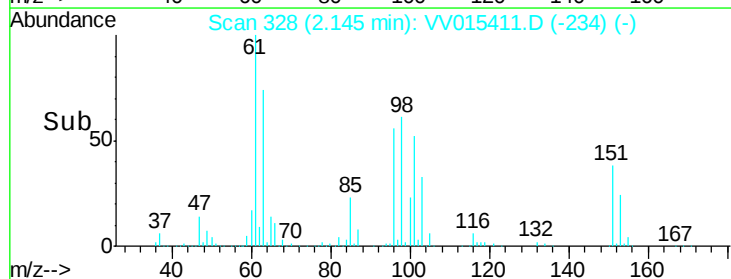
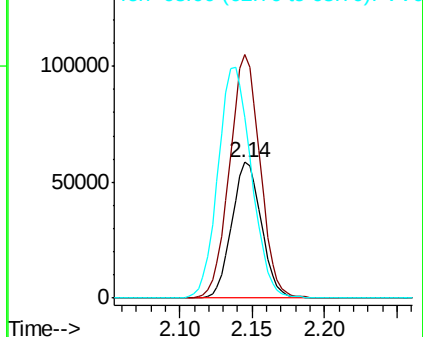
63 133.1 72.9 135.5

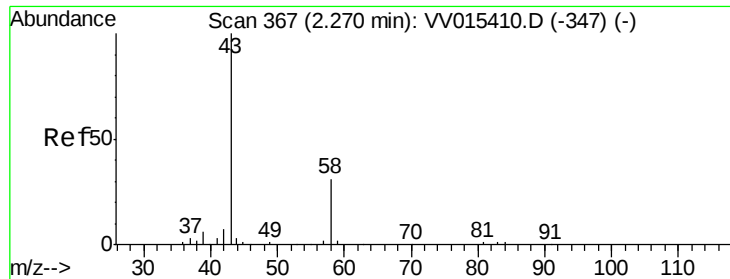


Abundance Ion 96.00 (95.70 to 96.70): VV015411.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV015411.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV015411.D (-234) (-)





#13

Acetone

Concen: 99.735 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

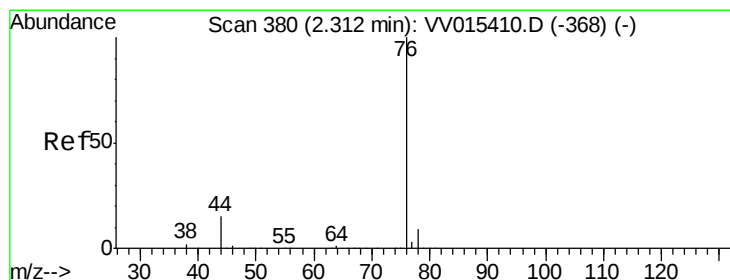
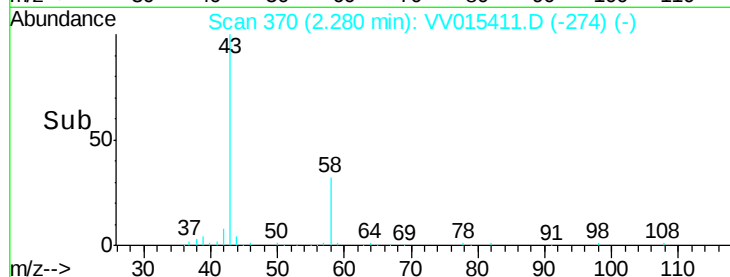
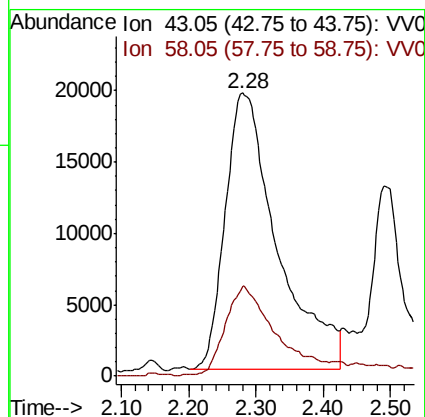
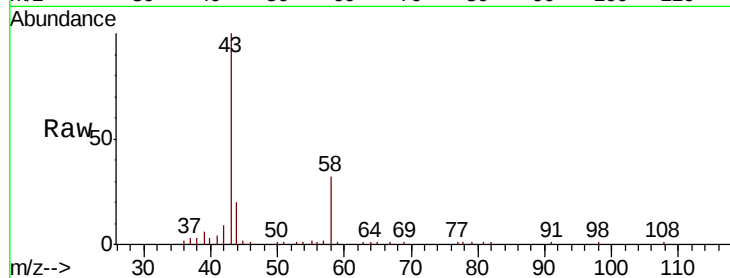
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 104083

Ion Ratio Lower Upper

43 100

58 30.3 0.0 61.0



#14

Carbon disulfide

Concen: 12.128 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV015411.D

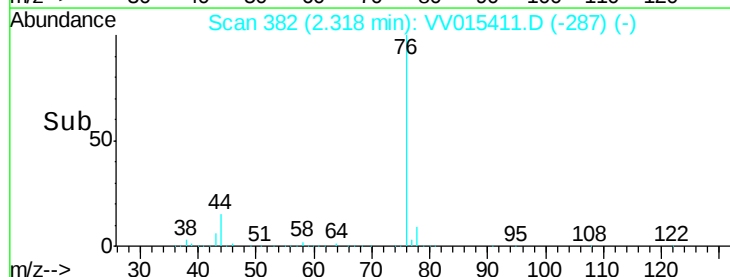
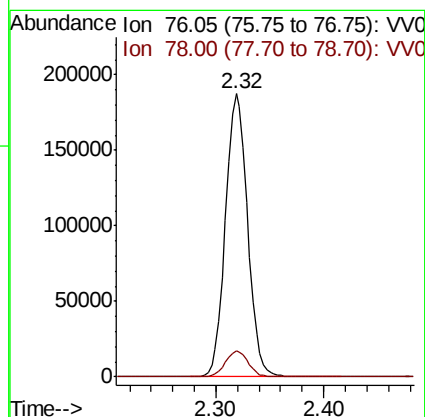
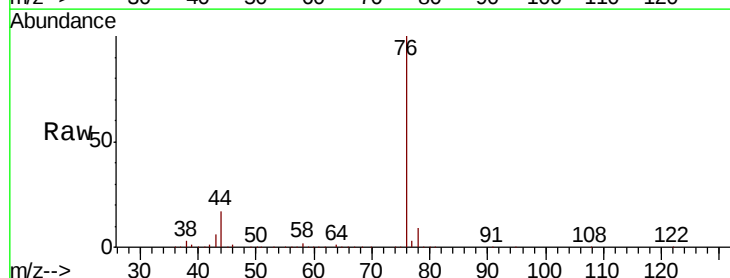
Acq: 06 Apr 2020 14:27

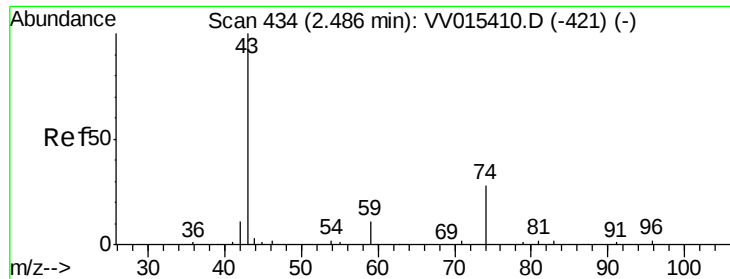
Tgt Ion: 76 Resp: 266771

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

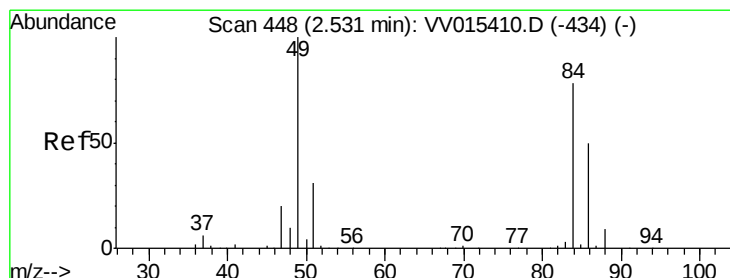
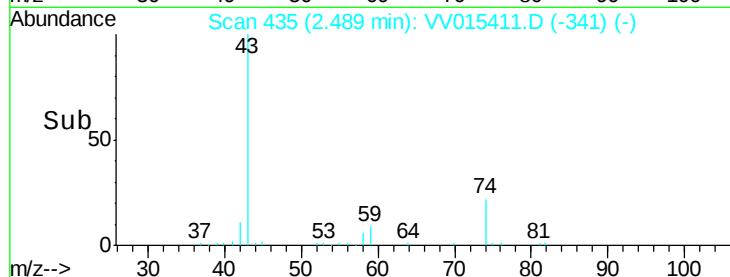
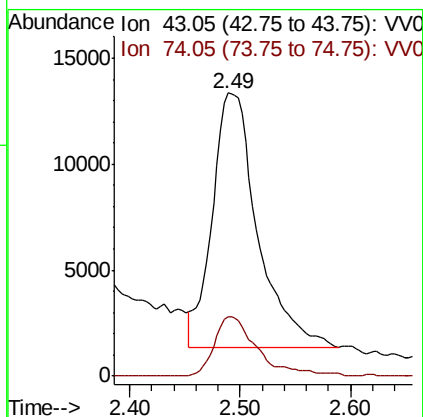
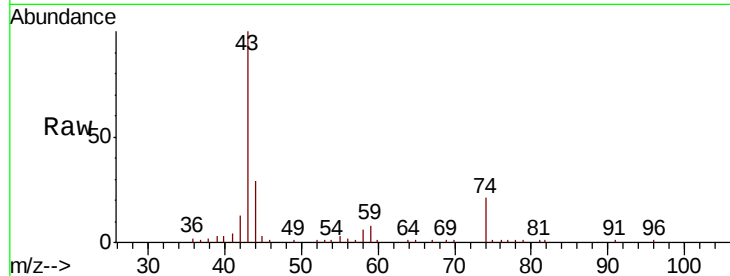




#15
Methyl Acetate
Concen: 12.222 ug/L
RT: 2.49 min Scan# 435
Delta R.T. 0.00 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

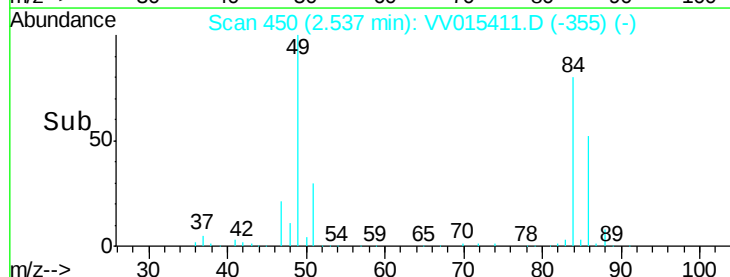
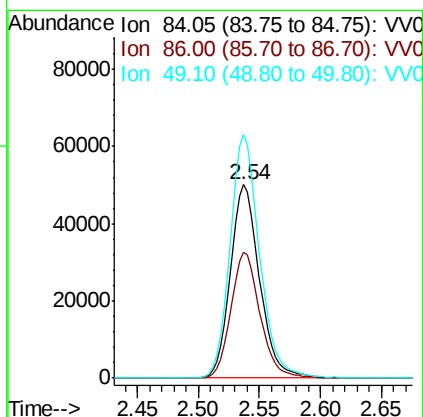
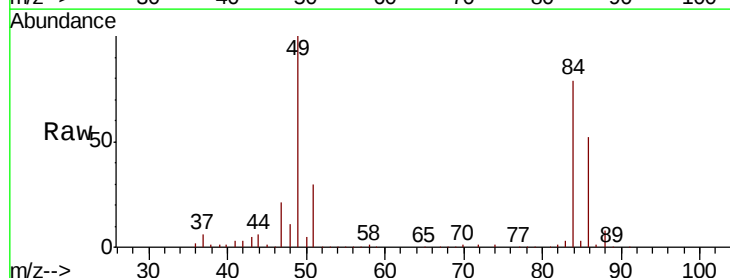
Instrument :
MSVOA_V
ClientSampled :

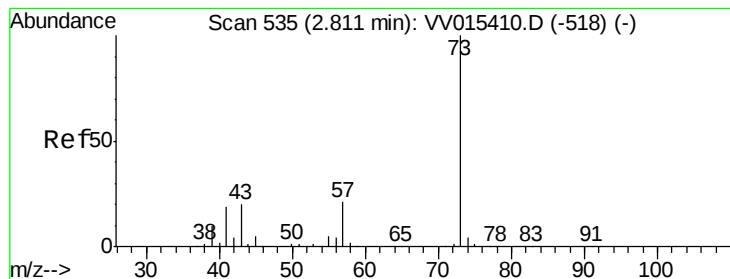
Tot Ion: 43 Resp: 34056
Ion Ratio Lower Upper
43 100
74 22.4 18.6 28.0



#16
Methylene chloride
Concen: 10.548 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

Tgt Ion: 84 Resp: 83874
Ion Ratio Lower Upper
84 100
86 65.2 44.5 82.7
49 126.1 89.2 165.6





#17

Methvl tert-butvl Ether

Concen: 11.080 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.01 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :
MSVOA_V
ClientSampled :

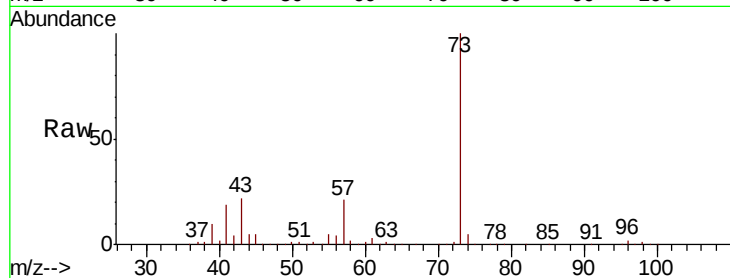
Tot Ion: 73 Resp: 188340

Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.9	25.3
57	21.8	17.3	25.9

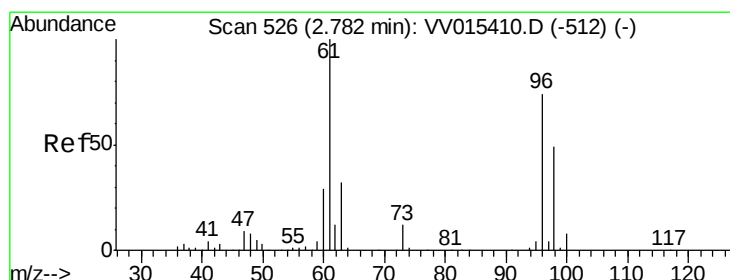
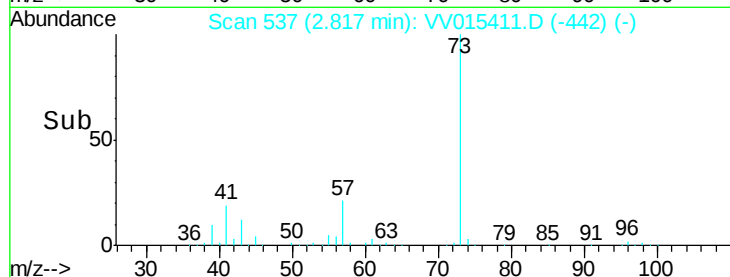
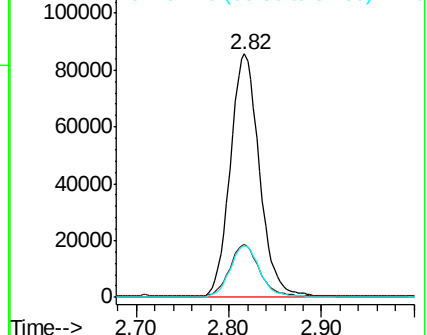
73 100

43 21.0 16.9 25.3

57 21.8 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: 11.163 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

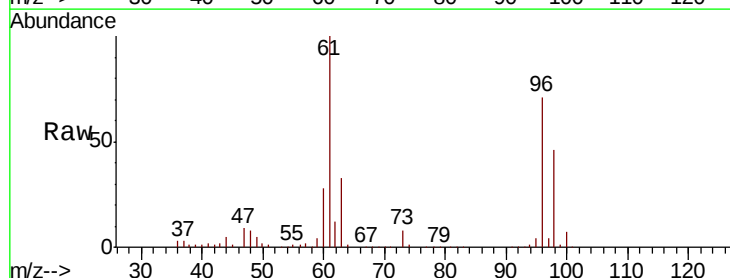
Tgt Ion: 96 Resp: 85310

Ion	Ratio	Lower	Upper
96	100		
61	140.1	95.0	176.4
98	64.3	46.6	86.6

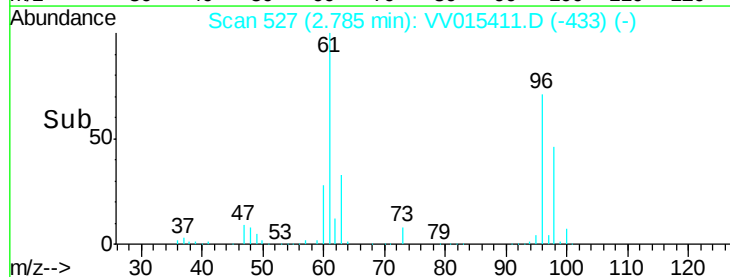
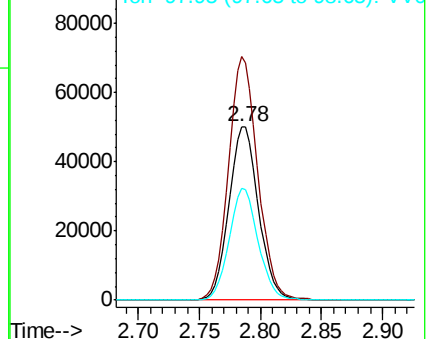
96 100

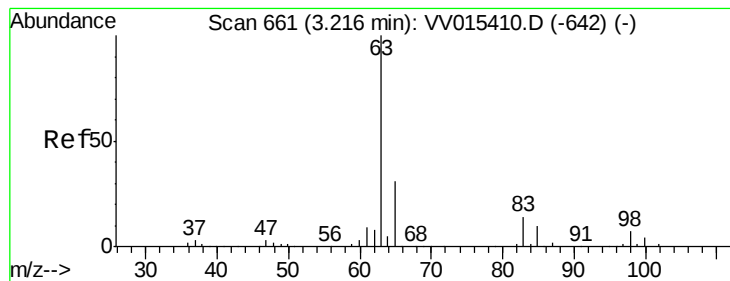
61 140.1 95.0 176.4

98 64.3 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: 10.328 ug/L

RT: 3.22 min Scan# 662

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

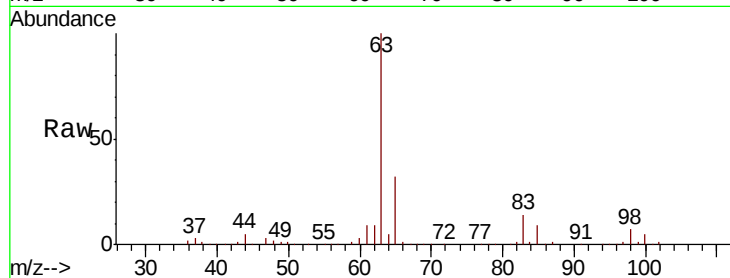
Tot Ion: 63 Resp: 150936

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

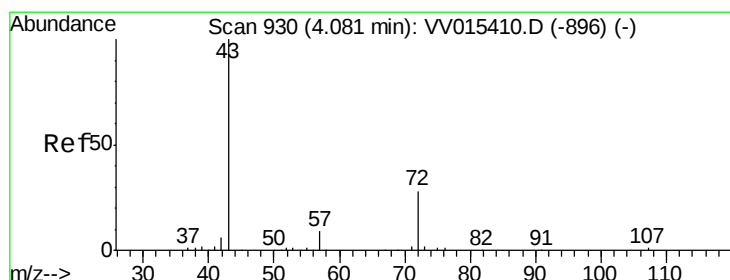
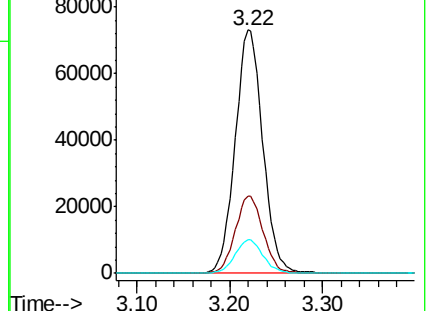
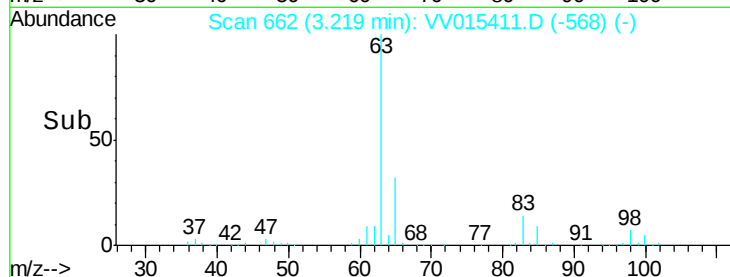
83 13.8 9.9 18.5



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 105.414 ug/L

RT: 4.09 min Scan# 933

Delta R.T. 0.01 min

Lab File: VV015411.D

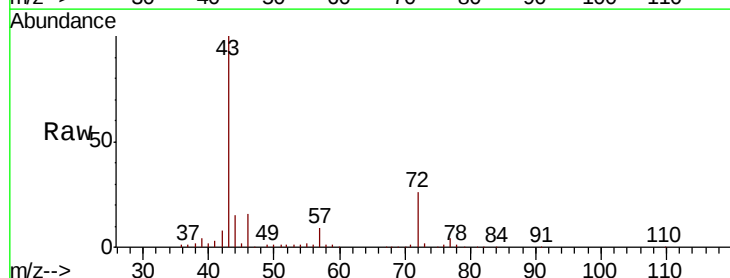
Acq: 06 Apr 2020 14:27

Tgt Ion: 43 Resp: 185785

Ion Ratio Lower Upper

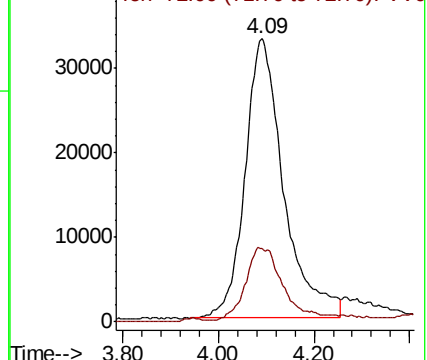
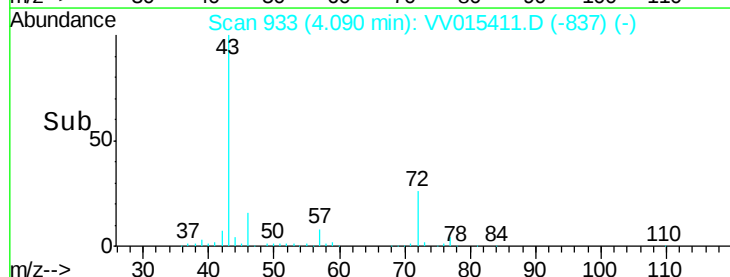
43 100

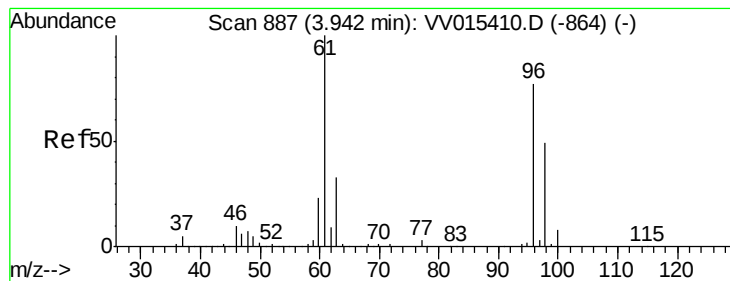
72 12.7 13.4 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



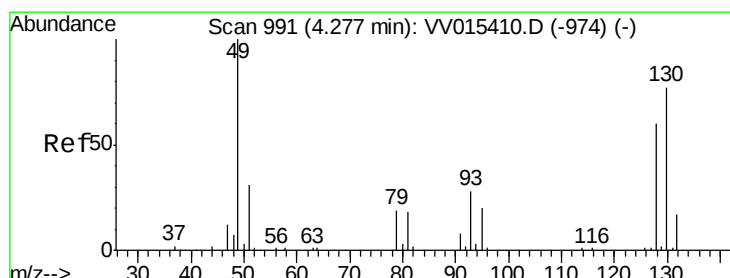
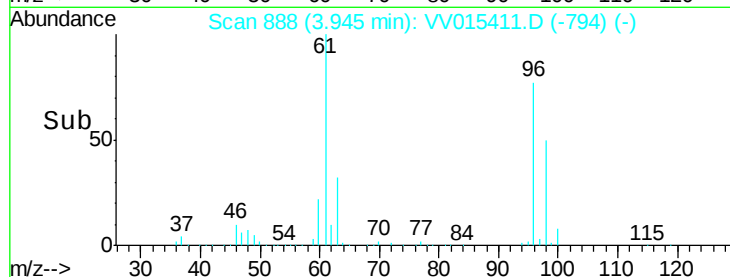
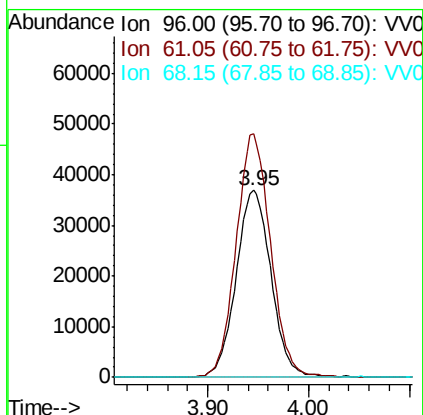
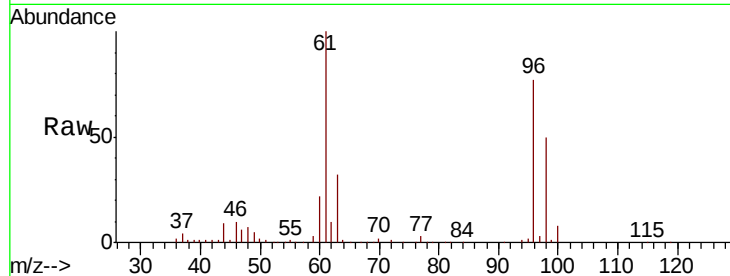


#22

cis-1,2-Dichloroethene
 Concen: 10.902 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :

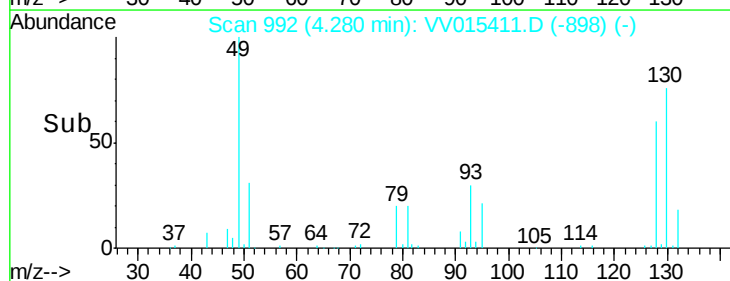
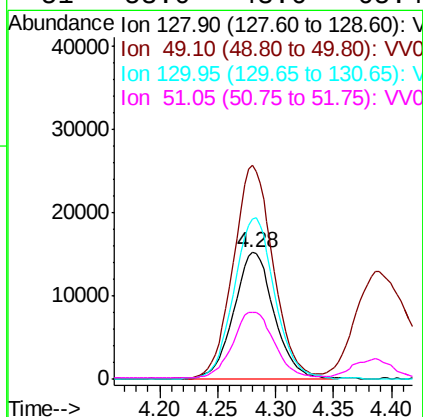
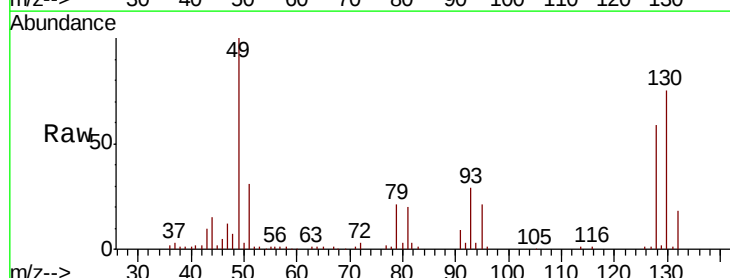
Tot Ion: 96 Resp: 88839
 Ion Ratio Lower Upper
 96 100
 61 130.3 90.4 168.0
 68 0.3 0.6 1.0#

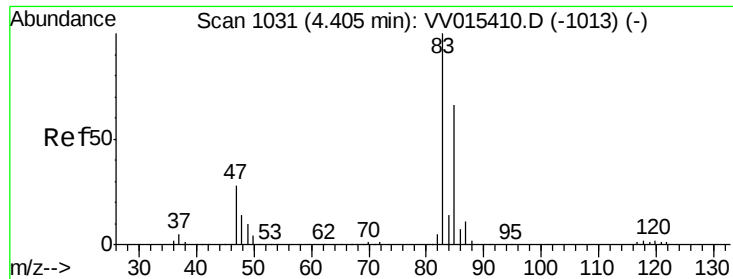


#23

Bromochloromethane
 Concen: 11.132 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Tgt Ion: 128 Resp: 36710
 Ion Ratio Lower Upper
 128 100
 49 168.7 117.3 217.9
 130 126.7 90.4 168.0
 51 53.0 43.6 65.4

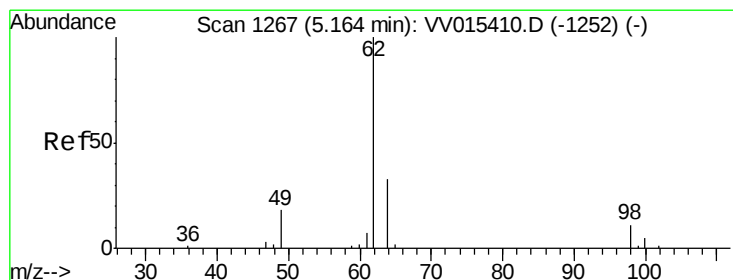
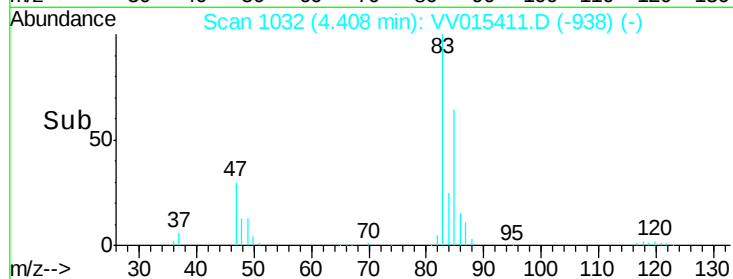
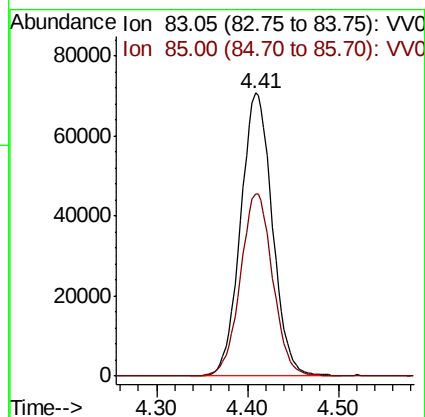
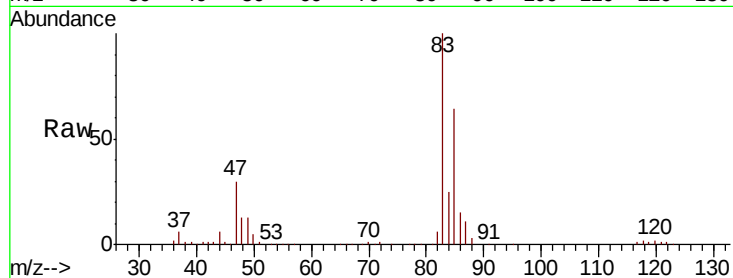




#25
Chloroform
Concen: 11.436 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

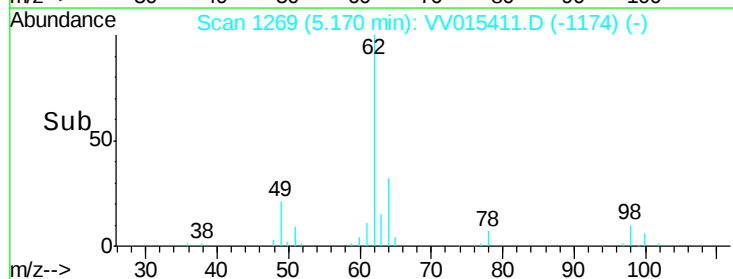
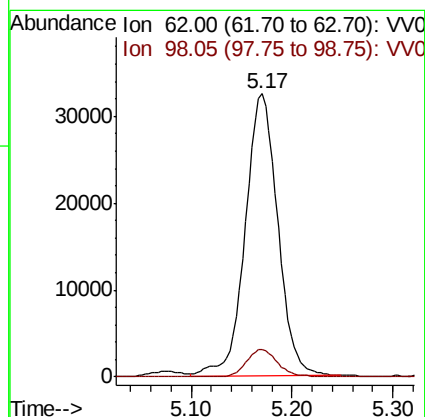
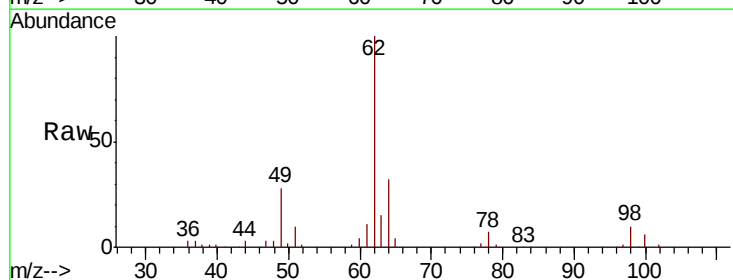
Instrument :
MSVOA_V
ClientSampleId :

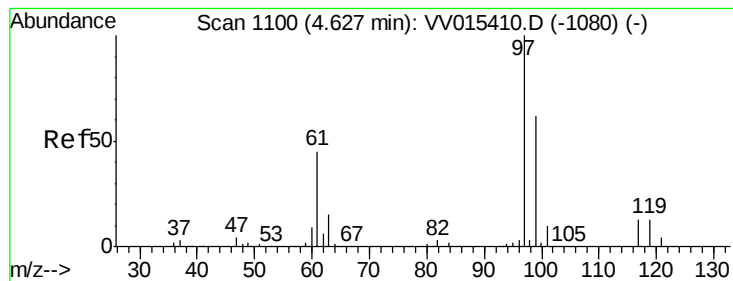
Tot Ion: 83 Resp: 171658
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 8.646 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. 0.01 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

Tgt Ion: 62 Resp: 72671
Ion Ratio Lower Upper
62 100
98 9.6 8.1 12.1





#29

1,1,1-Trichloroethane

Concen: 10.541 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

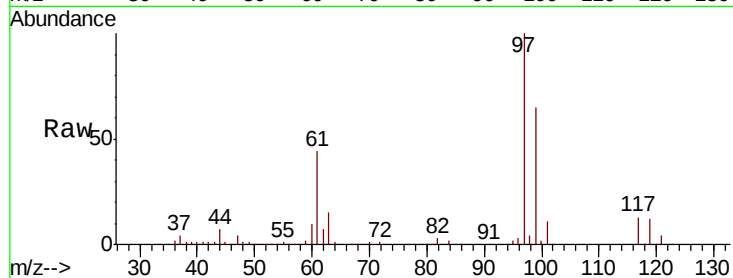
Tot Ion: 97 Resp: 145856

Ion Ratio Lower Upper

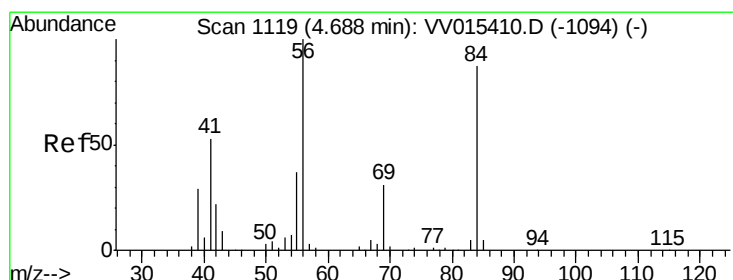
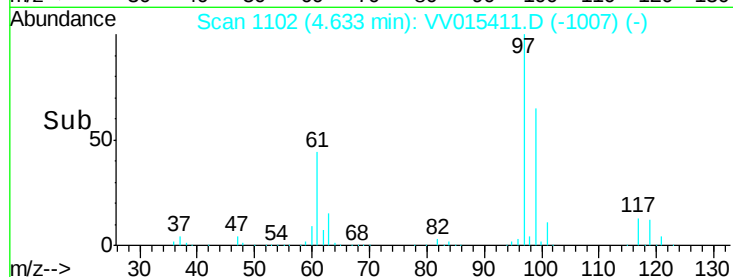
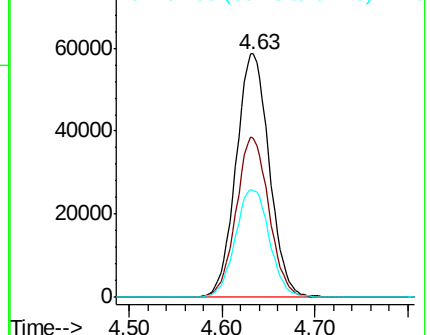
97 100

99 64.8 49.9 74.9

61 45.6 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: 9.614 ug/L

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

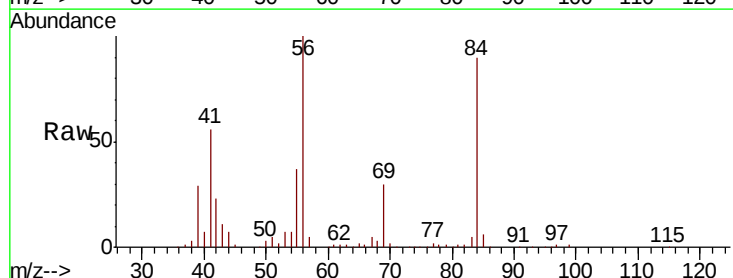
Tgt Ion: 56 Resp: 145084

Ion Ratio Lower Upper

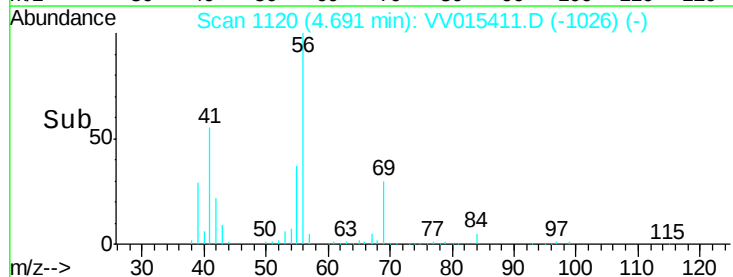
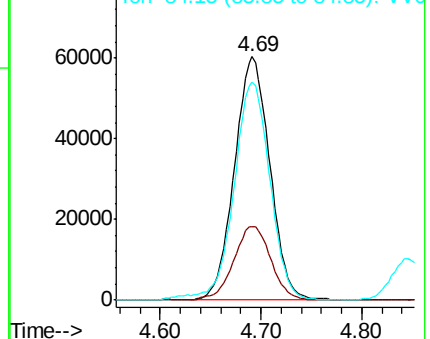
56 100

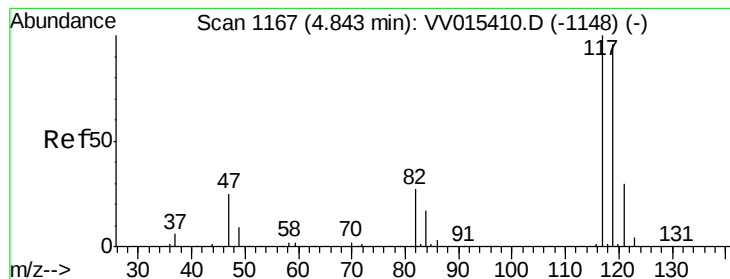
69 31.4 25.4 38.0

84 92.5 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: 11.110 ug/L

RT: 4.85 min Scan# 1168

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

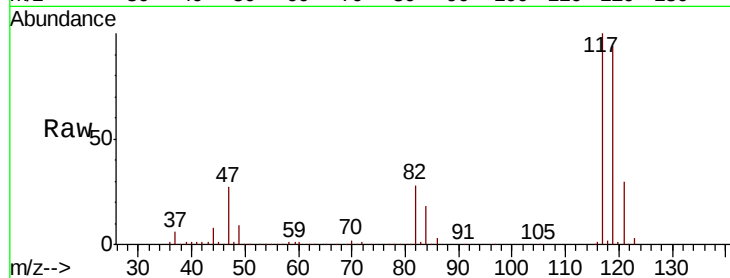
ClientSampleId :

Tot Ion:117 Resp: 132755

Ion Ratio Lower Upper

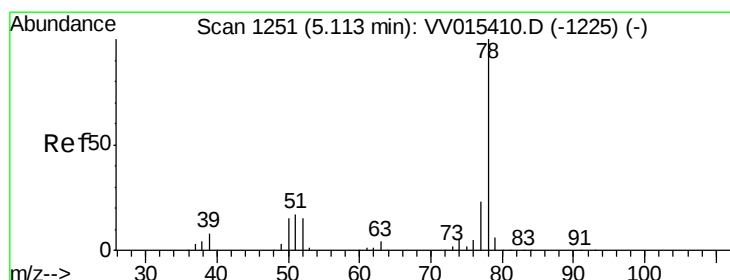
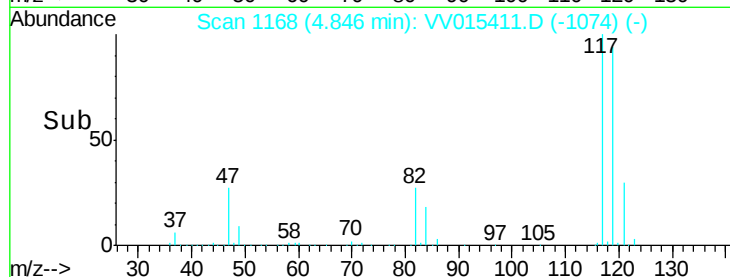
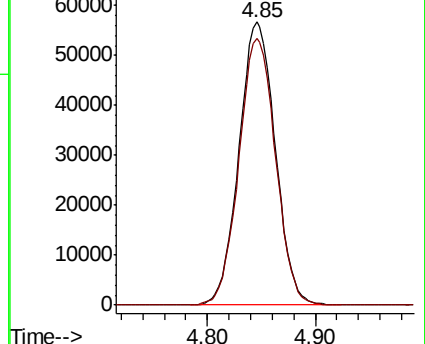
117 100

119 95.0 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: 7.903 ug/L

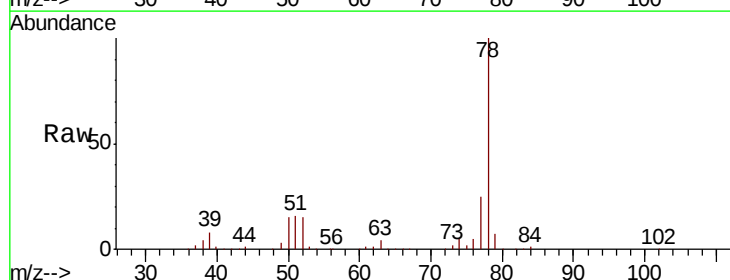
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

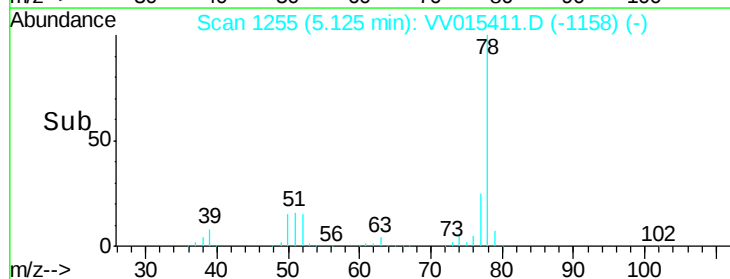
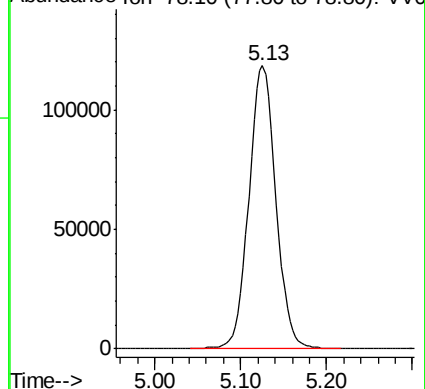
Lab File: VV015411.D

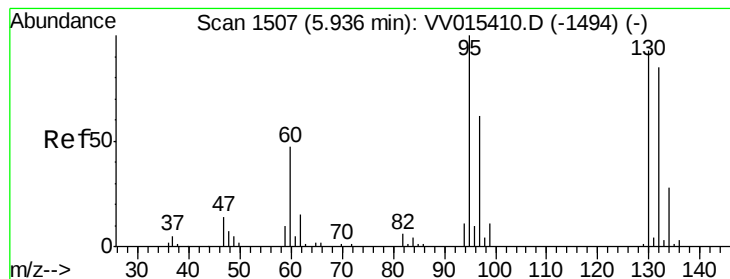
Acq: 06 Apr 2020 14:27

Tgt Ion: 78 Resp: 258693



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 8.423 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 71854

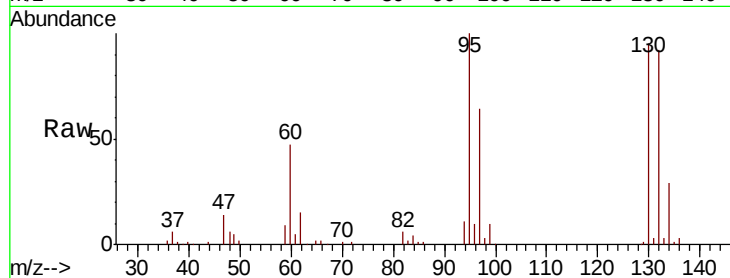
Ion Ratio Lower Upper

95 100

97 64.0 43.1 80.1

132 91.9 59.4 110.4

130 94.7 65.0 120.8

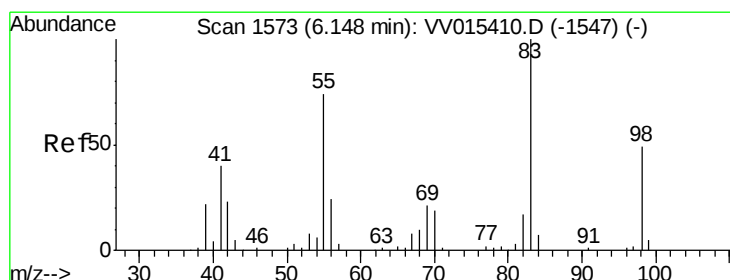
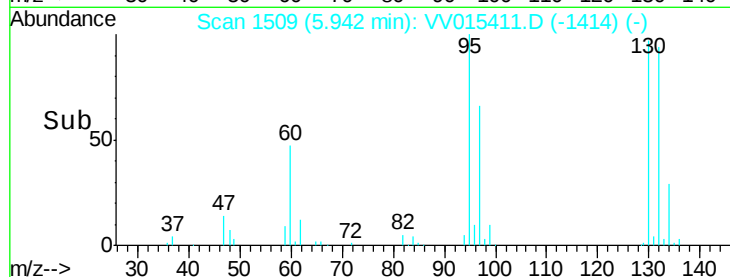
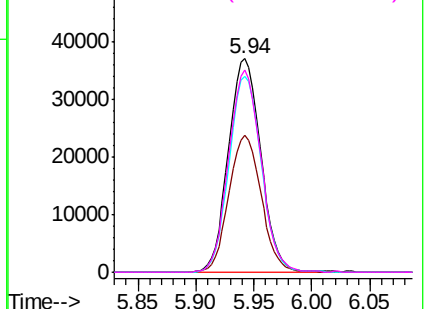


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 8.360 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

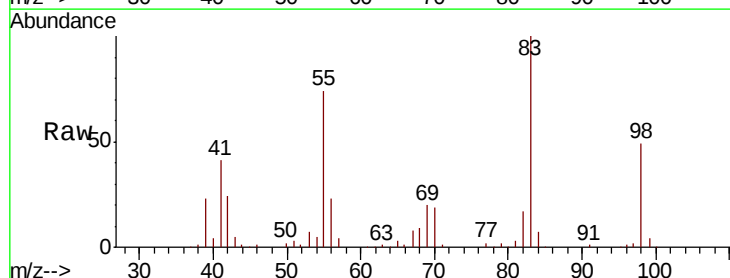
Tgt Ion: 83 Resp: 122900

Ion Ratio Lower Upper

83 100

55 72.8 52.8 79.2

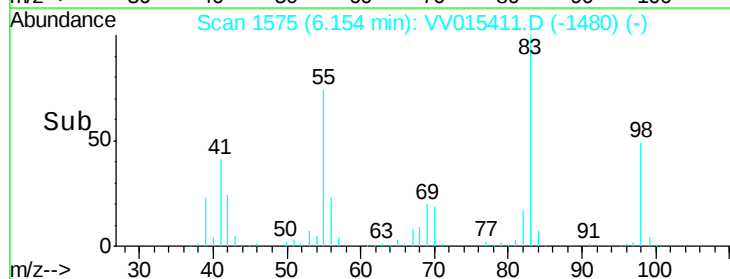
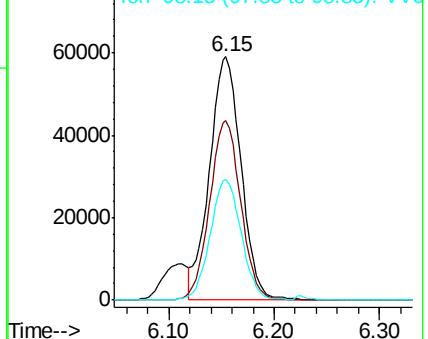
98 48.8 35.2 52.8

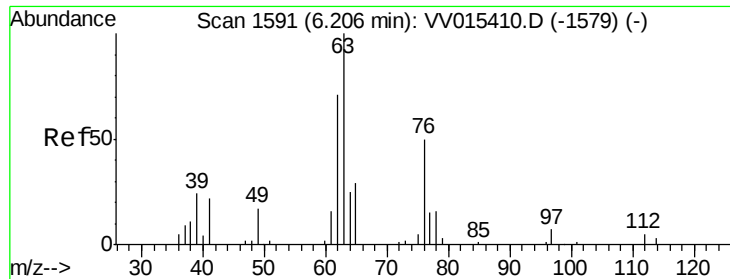


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

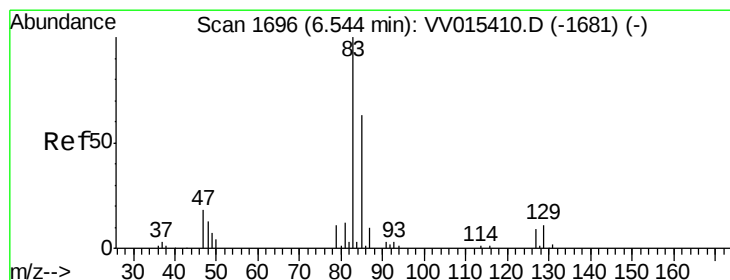
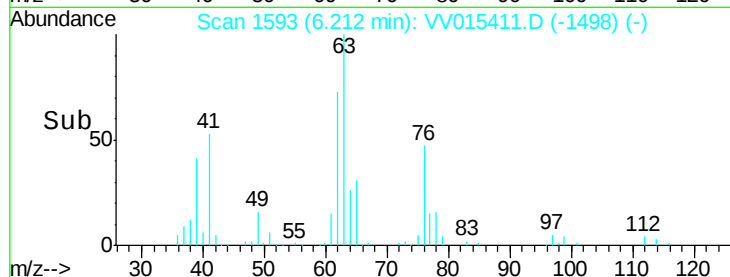
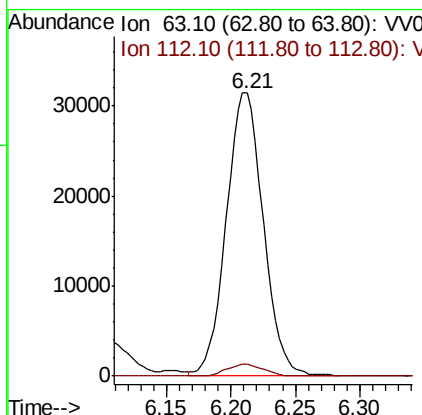
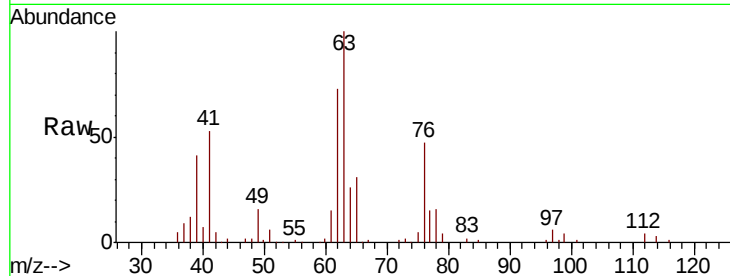




#37
 1,2-Dichloropropane
 Concen: 7.713 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. 0.01 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

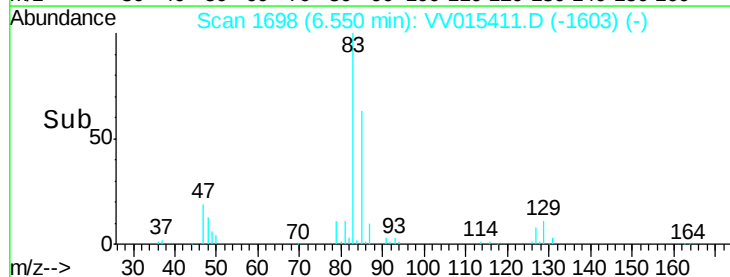
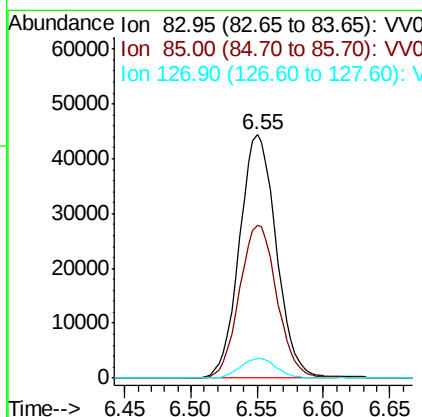
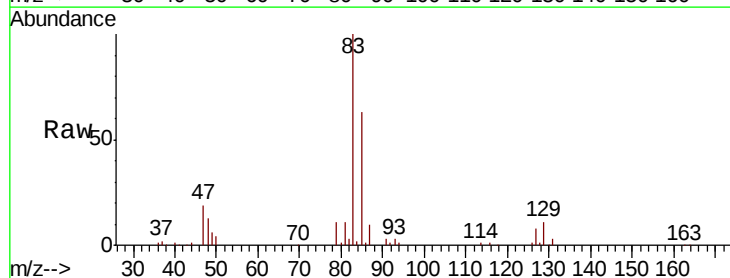
Instrument :
 MSVOA_V
 ClientSampleId :

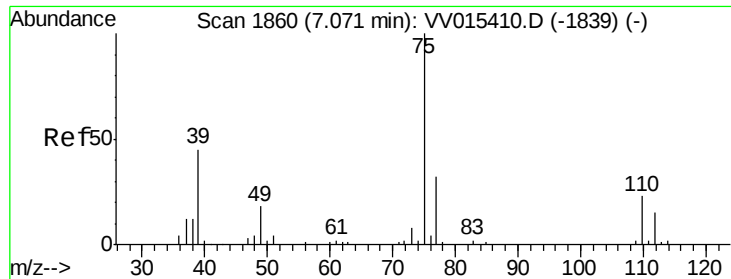
Tot Ion: 63 Resp: 62069
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.9 5.9



#38
 Bromodichloromethane
 Concen: 8.506 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.01 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Tgt Ion: 83 Resp: 85723
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.2 82.2
 127 8.0 6.9 10.3

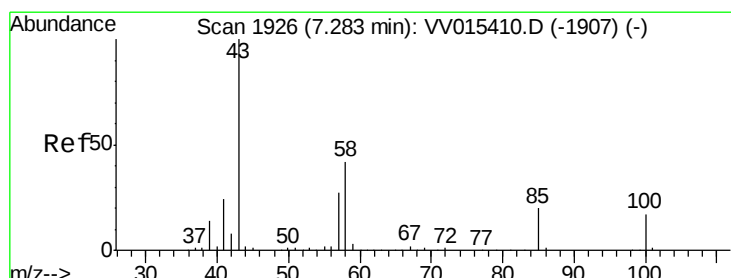
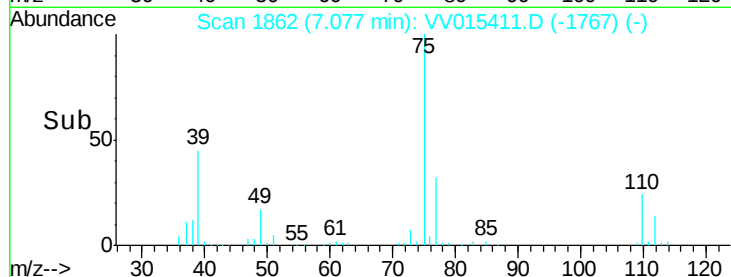
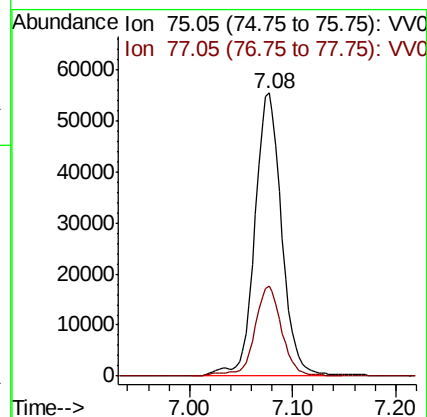
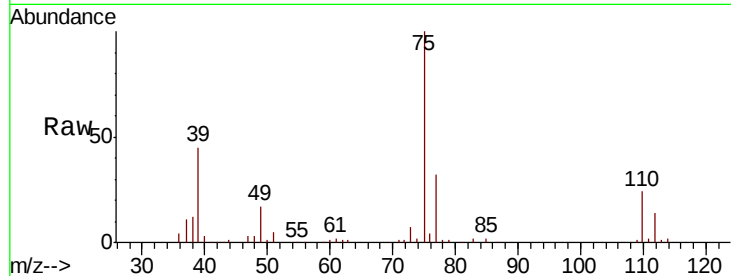




#39
 cis-1,3-Dichloropropene
 Concen: 8.383 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

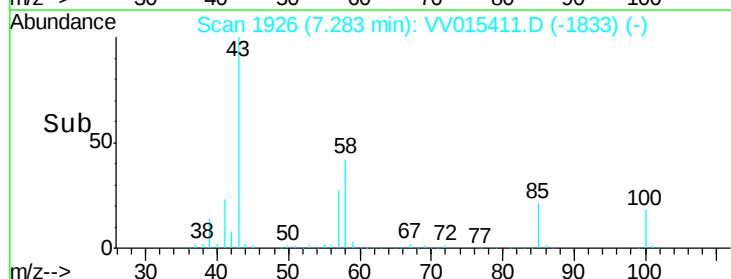
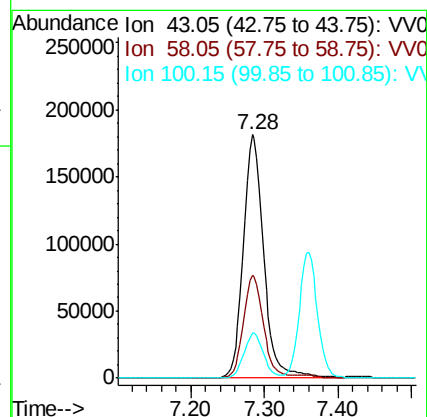
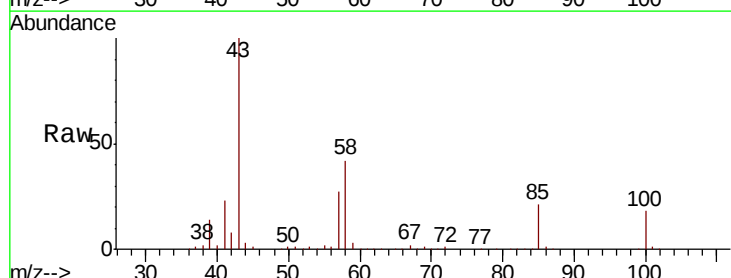
Instrument :
 MSVOA_V
 ClientSampled :

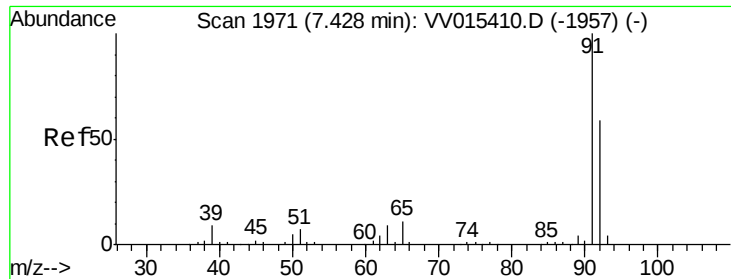
Tot Ion: 75 Resp: 100022
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 74.217 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Tgt Ion: 43 Resp: 352172
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.0 49.6
 100 17.6 13.6 20.4





#42

Toluene

Concen: 9.192 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

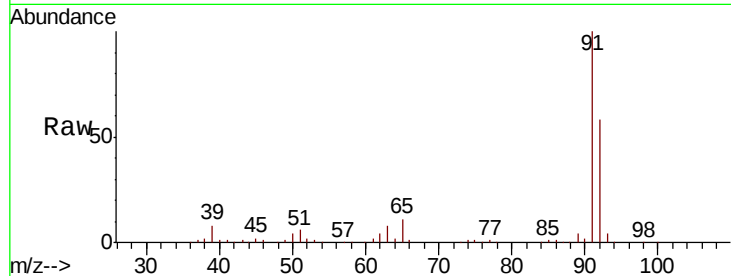
ClientSampleId :

Tot Ion: 91 Resp: 316003

Ion Ratio Lower Upper

91 100

92 58.0 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

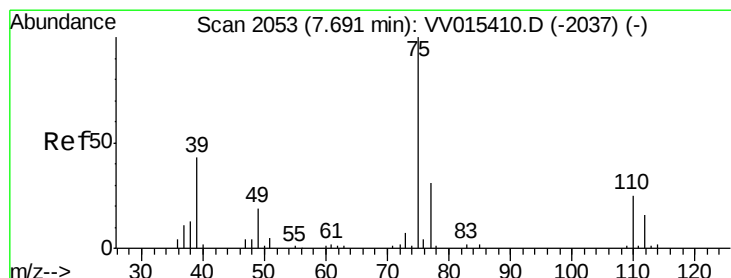
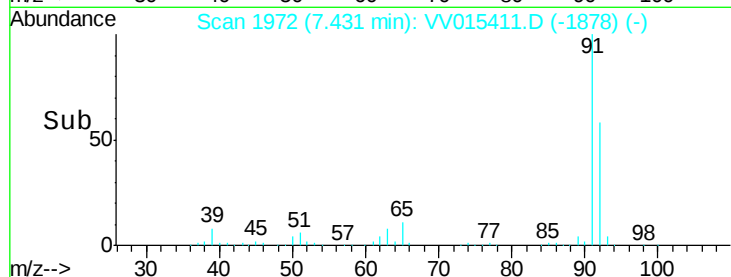
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 9.191 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV015411.D

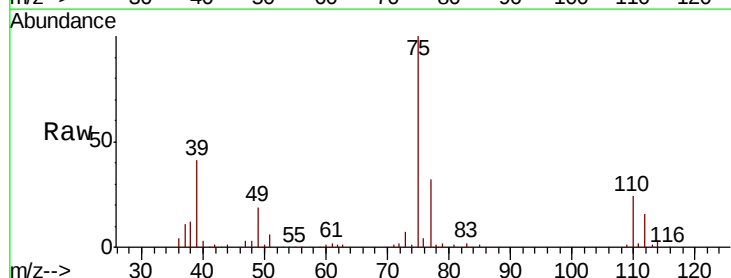
Acq: 06 Apr 2020 14:27

Tgt Ion: 75 Resp: 85489

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

60000

50000

40000

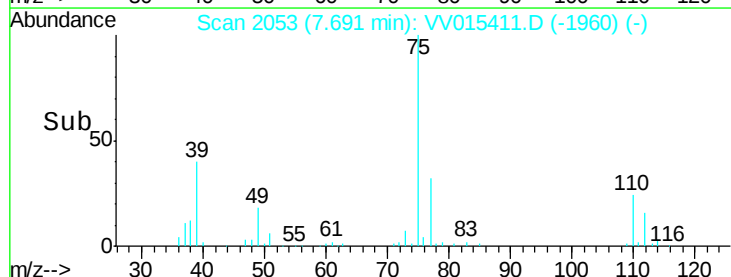
30000

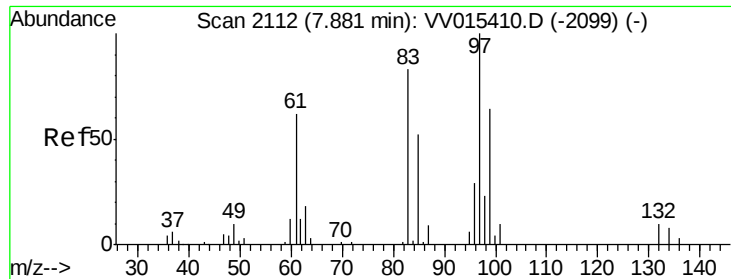
20000

10000

0

Time--> 7.60 7.70 7.80

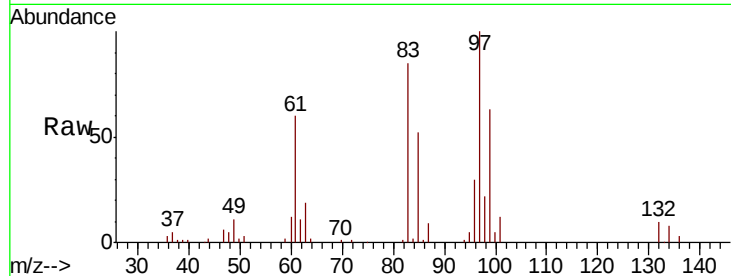




#45
 1,1,2-Trichloroethane
 Concen: 8.707 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	46089
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.9	83.3
83	85.3	58.3	108.3
85	52.1	36.6	68.0



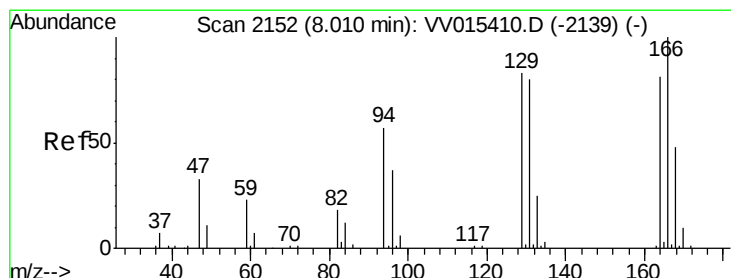
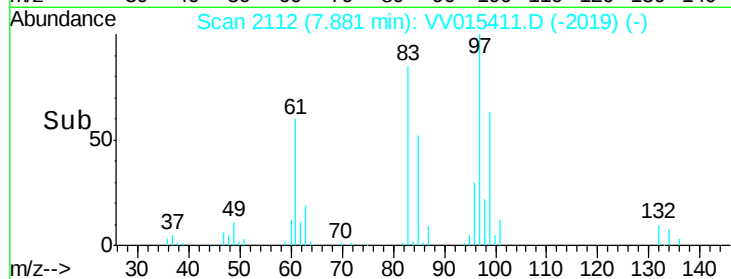
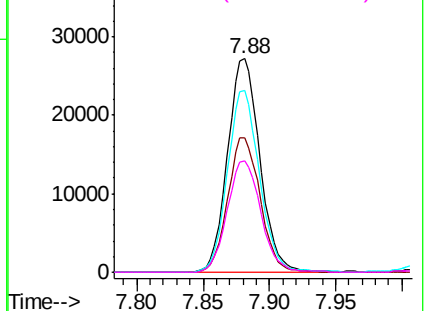
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

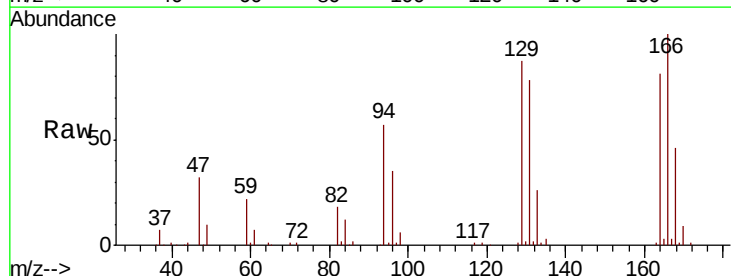
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 8.058 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Tgt Ion:	164	Resp:	54005
Ion	Ratio	Lower	Upper
164	100		
129	106.8	71.6	133.0
131	95.5	69.1	128.3
166	123.0	86.1	159.9



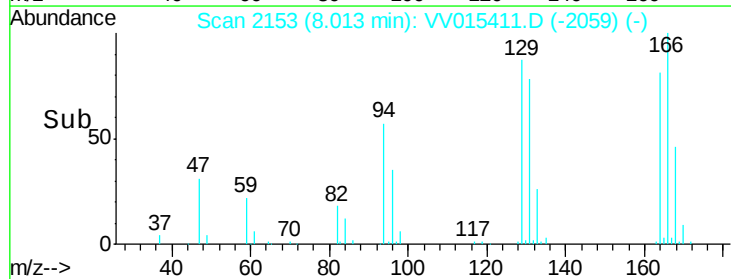
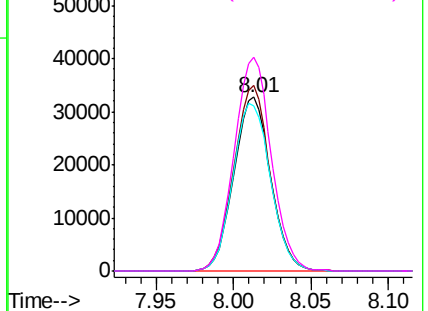
Abundance

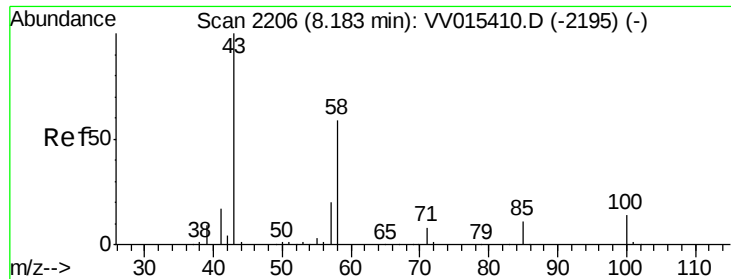
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

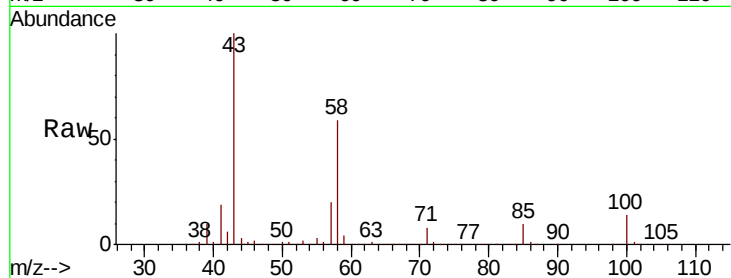




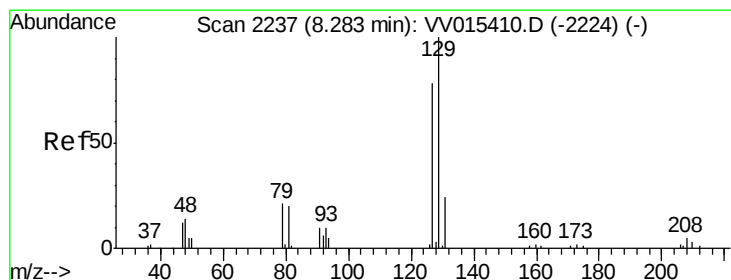
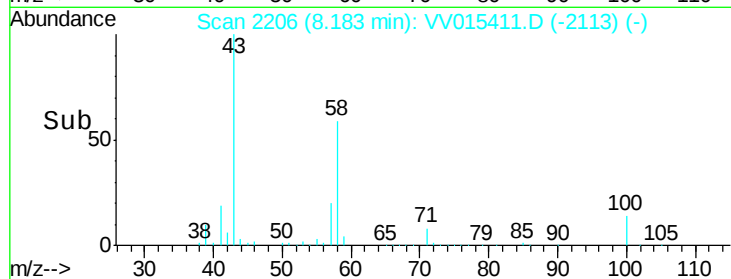
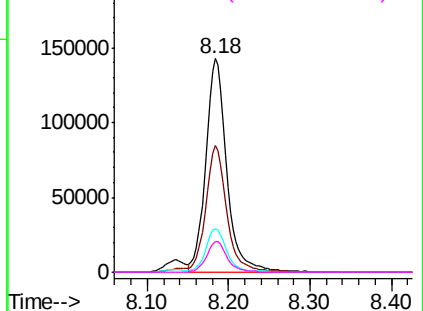
#48
2-Hexanone
Concen: 75.905 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 256475
Ion Ratio Lower Upper
43 100
58 61.2 49.0 73.4
57 20.8 16.1 24.1
100 14.4 11.5 17.3

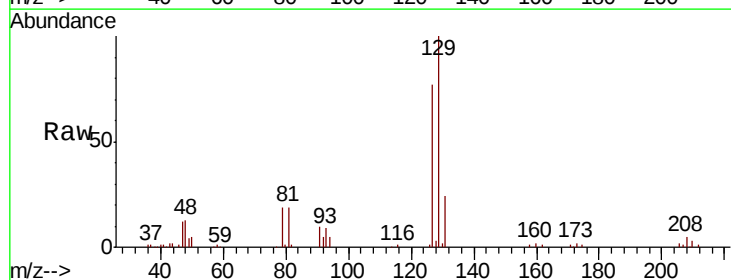


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

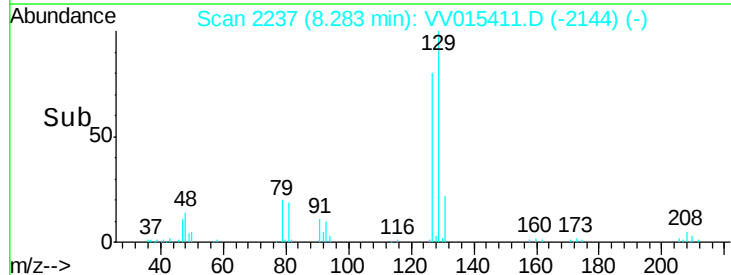
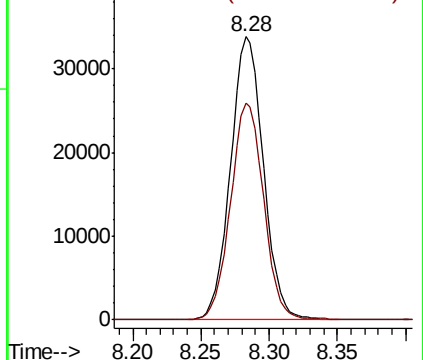


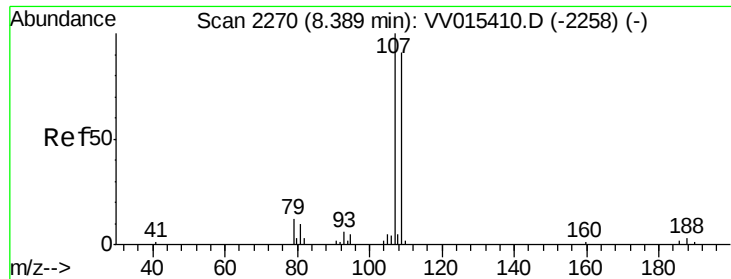
#49
Dibromochloromethane
Concen: 9.436 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

Tgt Ion: 129 Resp: 56563
Ion Ratio Lower Upper
129 100
127 76.8 54.7 101.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

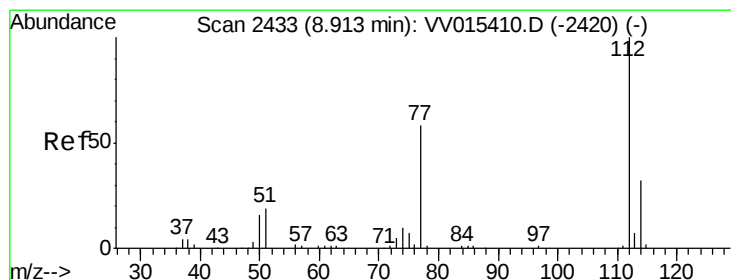
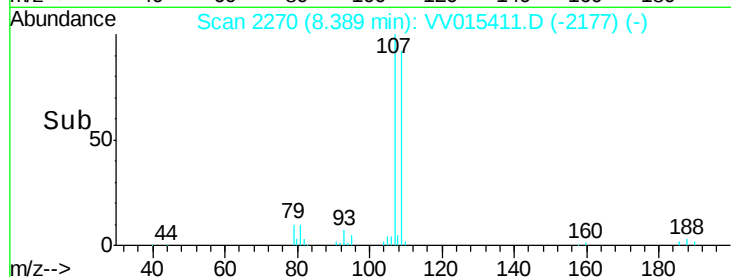
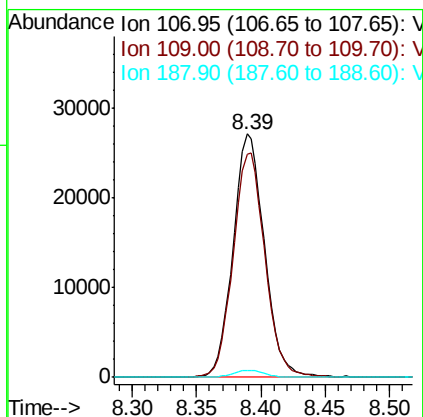
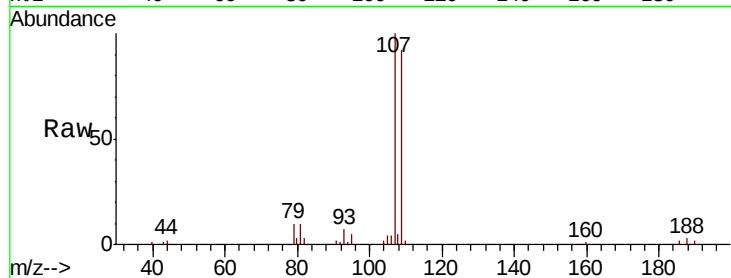




#50
1,2-Dibromoethane
Concen: 9.058 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

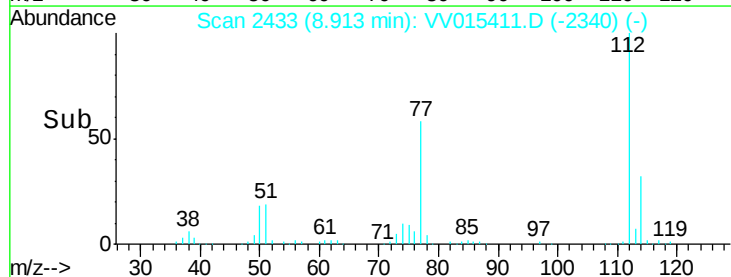
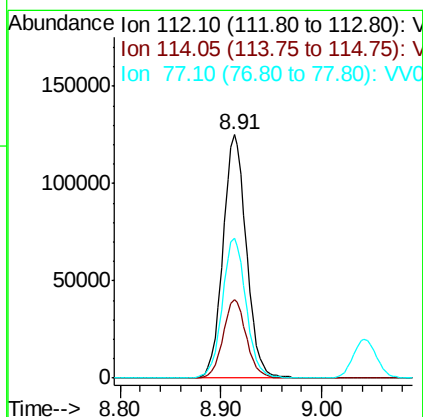
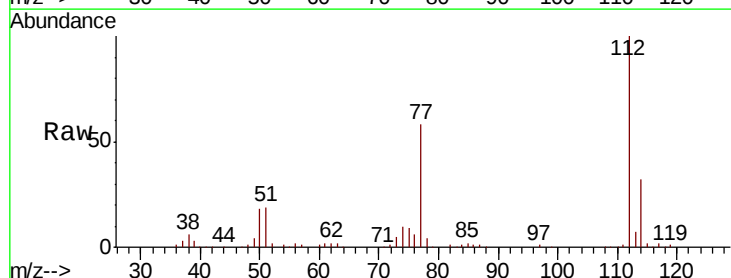
Instrument :
MSVOA_V
ClientSampleId :

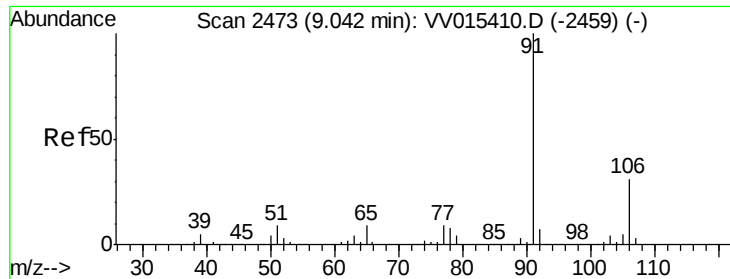
Tot Ion:107 Resp: 45805
Ion Ratio Lower Upper
107 100
109 91.7 63.5 117.9
188 3.0 2.6 4.0



#51
Chlorobenzene
Concen: 9.230 ug/L
RT: 8.91 min Scan# 2433
Delta R.T. -0.00 min
Lab File: VV015411.D
Acq: 06 Apr 2020 14:27

Tgt Ion:112 Resp: 202800
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 57.6 46.8 70.2





#52

Ethylbenzene

Concen: 9.298 ug/L

RT: 9.04 min Scan# 2473

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

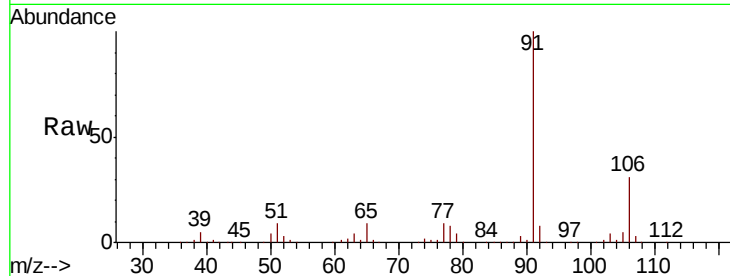
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 365617

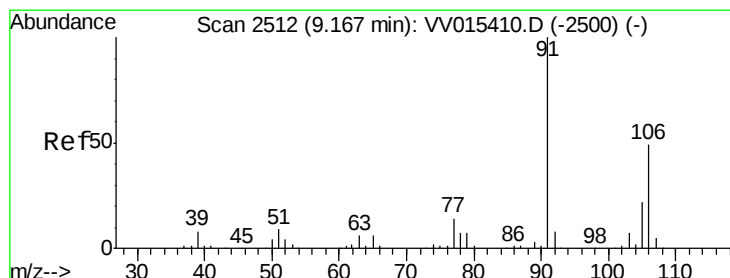
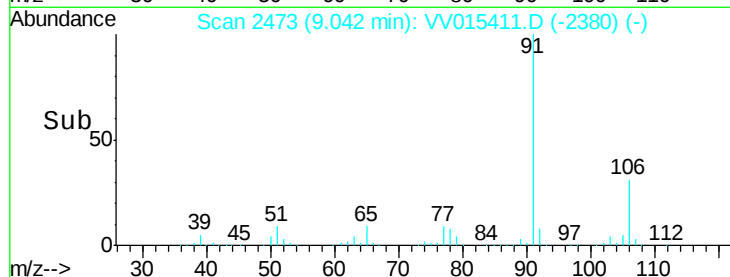
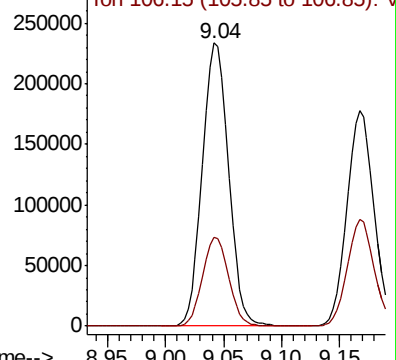
Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV015411.D (-2380) (-)



#53

m,p-xylene

Concen: 9.910 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VV015411.D

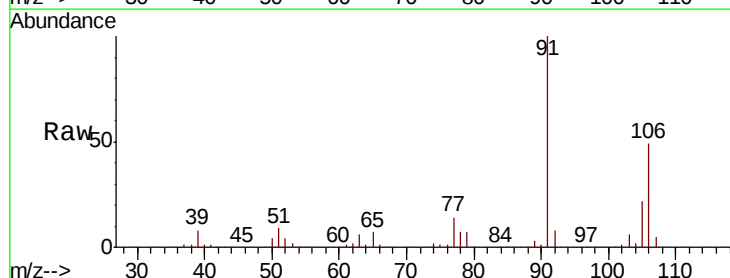
Acq: 06 Apr 2020 14:27

Tgt Ion: 106 Resp: 144074

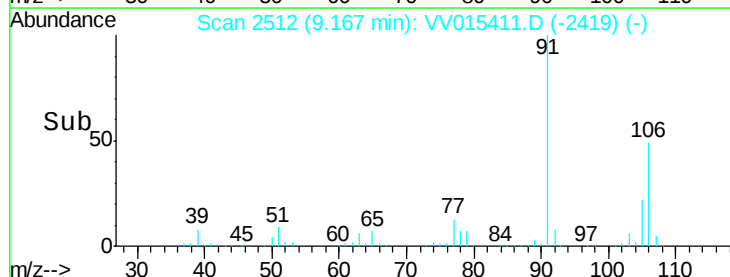
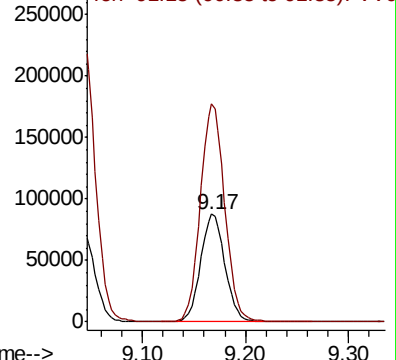
Ion Ratio Lower Upper

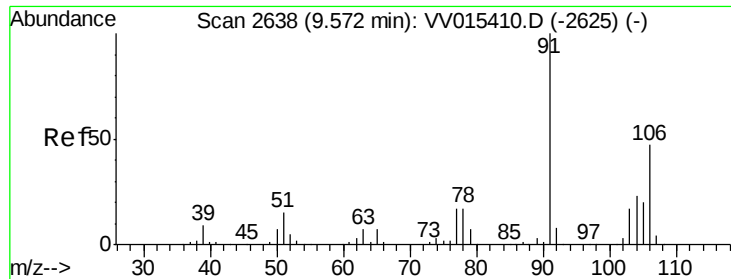
106 100

91 202.0 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VV015411.D (-2419) (-)





#54

o-xylene

Concen: 9.719 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

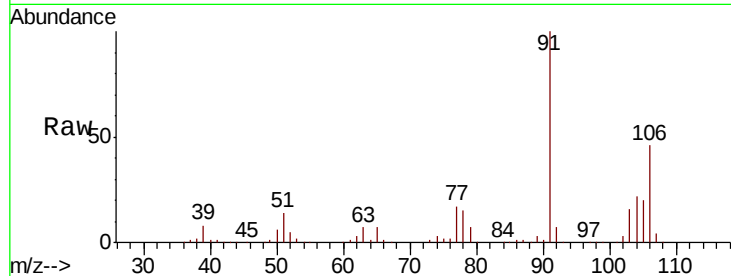
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 137235

Ion Ratio Lower Upper

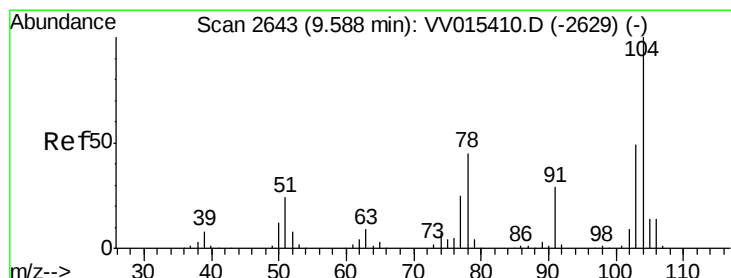
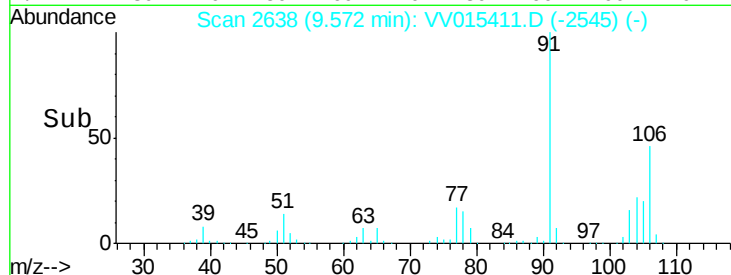
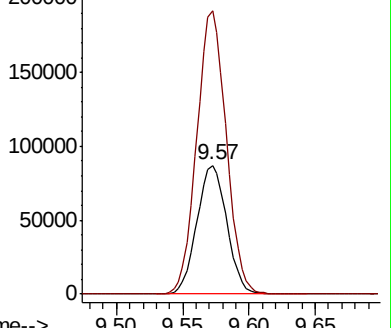
106 100

91 219.4 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 9.865 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV015411.D

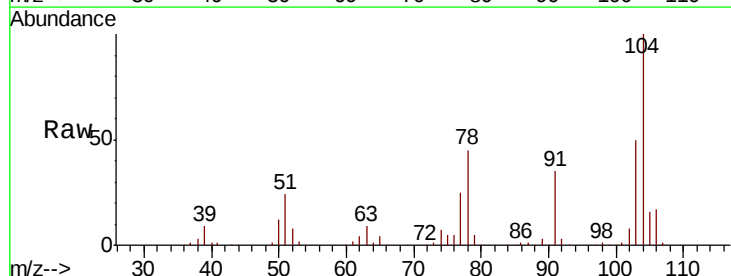
Acq: 06 Apr 2020 14:27

Tgt Ion:104 Resp: 232826

Ion Ratio Lower Upper

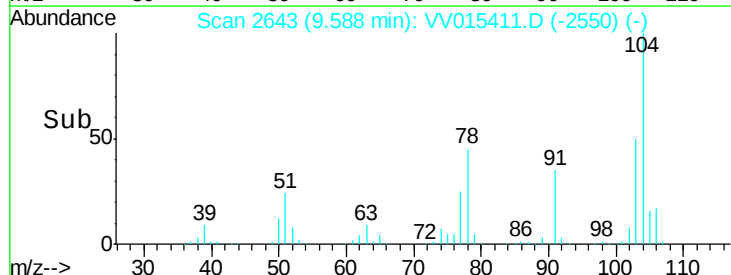
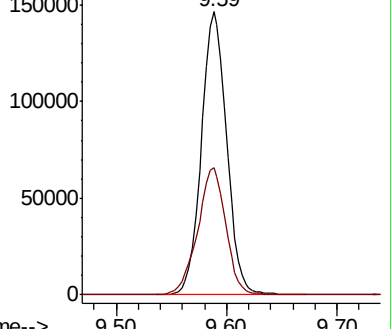
104 100

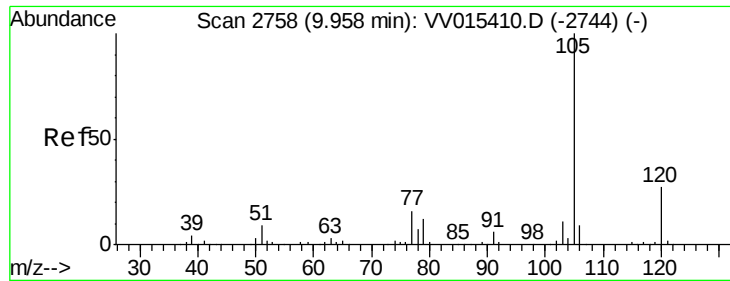
78 45.0 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 9.751 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :
MSVOA_V
ClientSampleId :

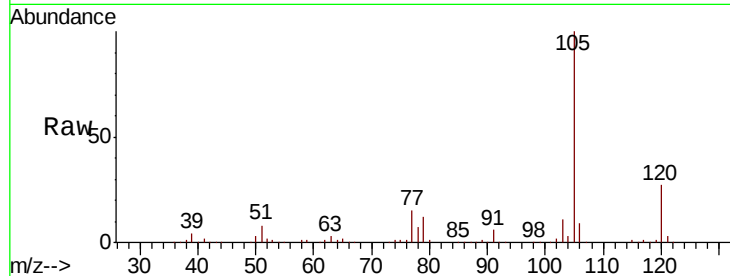
Tot Ion:105 Resp: 371828

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

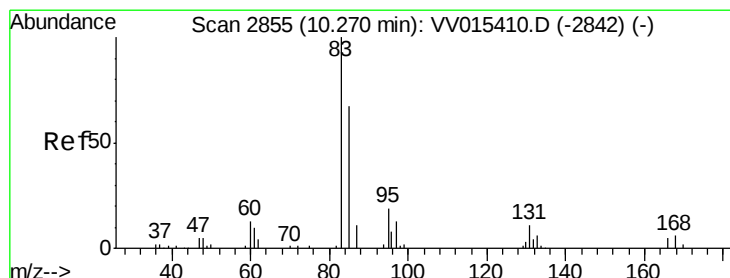
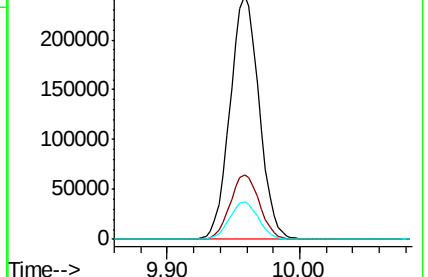
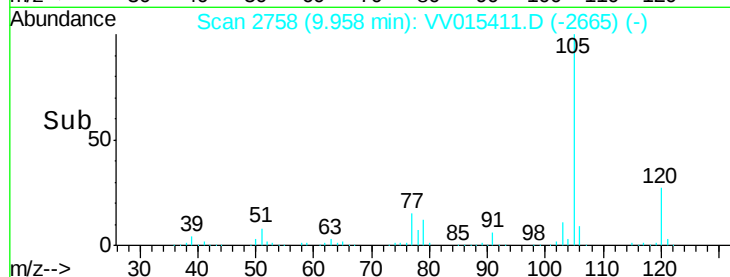
77 15.6 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV015411.D (-2665) (-)

Ion 120.10 (119.80 to 120.80): VV015411.D (-2665) (-)

Ion 77.10 (76.80 to 77.80): VV015411.D (-2665) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 8.458 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

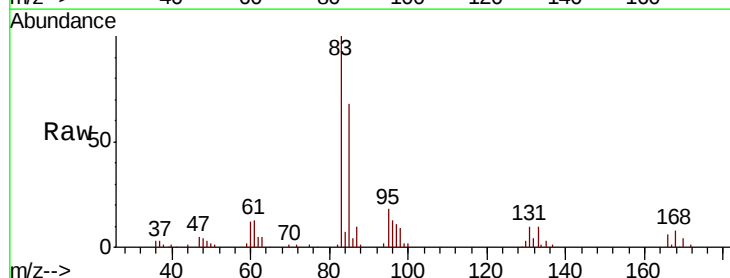
Tgt Ion: 83 Resp: 55157

Ion Ratio Lower Upper

83 100

85 67.7 46.7 86.7

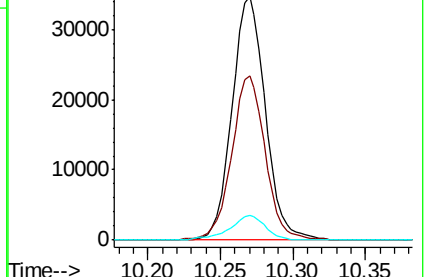
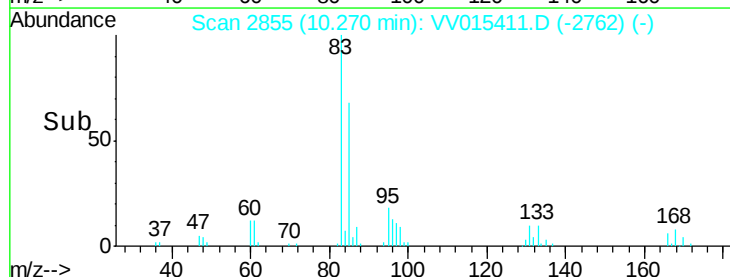
131 10.0 8.5 12.7

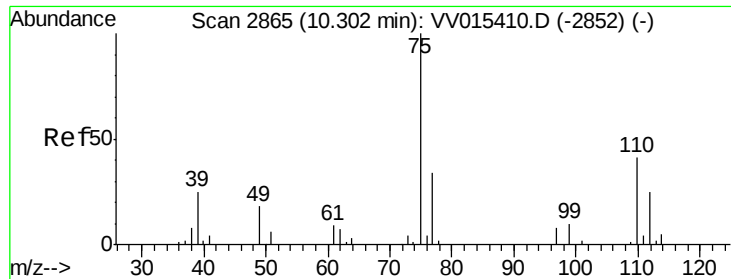


Abundance Ion 82.95 (82.65 to 83.65): VV015411.D (-2762) (-)

Ion 85.00 (84.70 to 85.70): VV015411.D (-2762) (-)

Ion 130.95 (130.65 to 131.65): VV015411.D (-2762) (-)

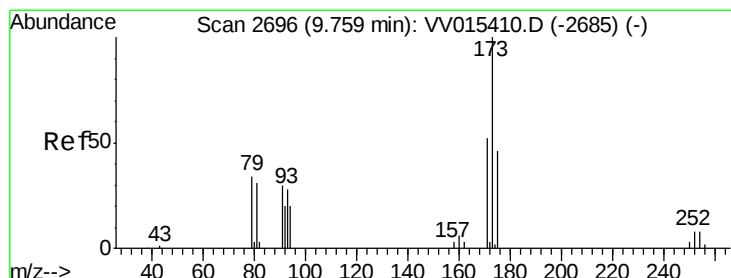
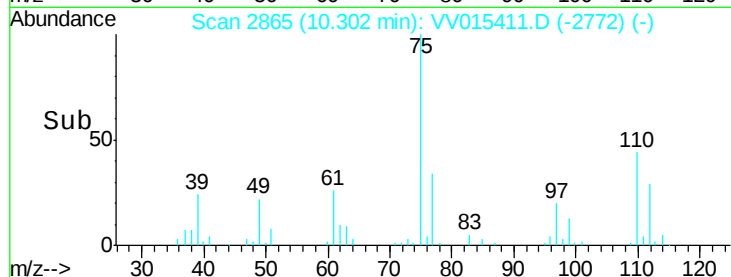
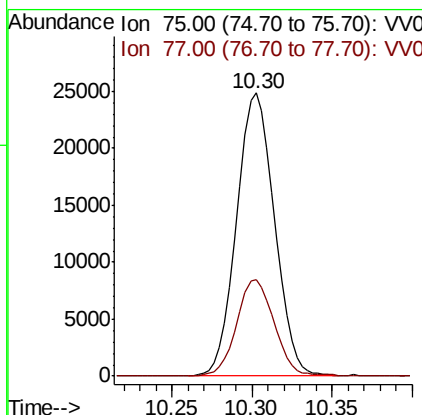
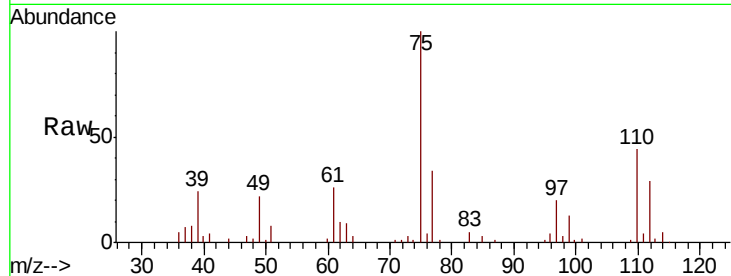




#59
 1,2,3-Trichloropropane
 Concen: 8.390 ug/L
 RT: 10.30 min Scan# 2865
 Delta R.T. -0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

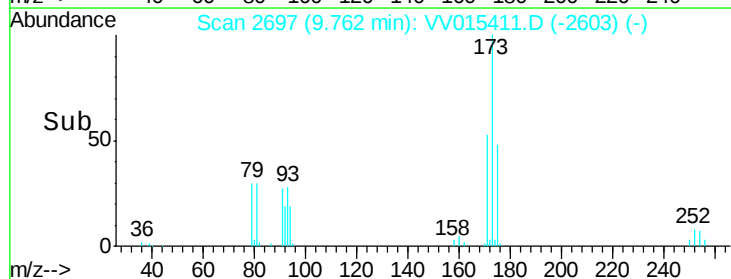
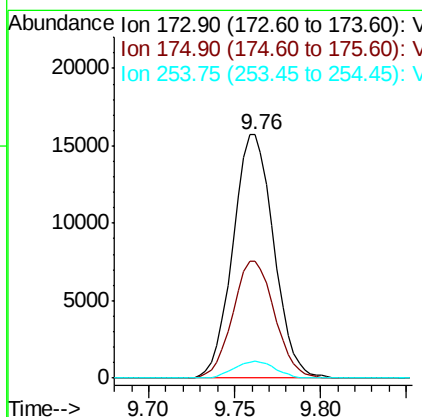
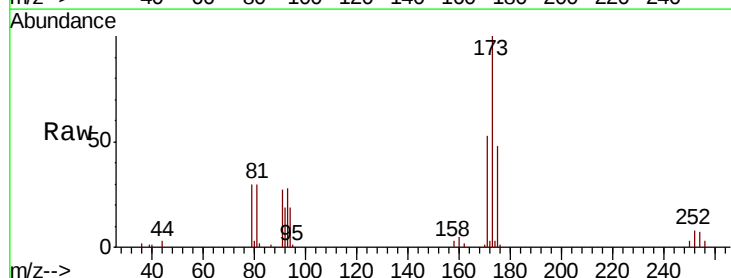
Instrument :
 MSVOA_V
 ClientSampled :

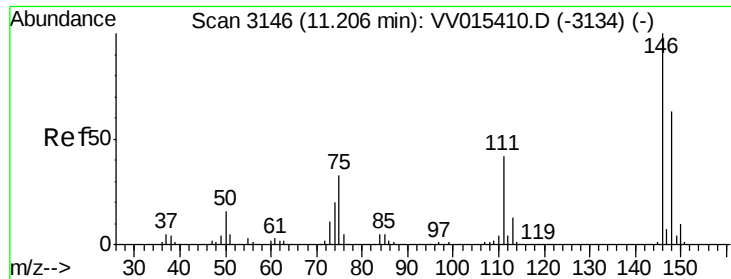
Tot Ion: 75 Resp: 40089
 Ion Ratio Lower Upper
 75 100
 77 33.8 27.7 41.5



#61
 Bromoform
 Concen: 8.800 ug/L
 RT: 9.76 min Scan# 2697
 Delta R.T. 0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Tgt Ion:173 Resp: 25999
 Ion Ratio Lower Upper
 173 100
 175 49.1 37.8 56.8
 254 6.9 5.4 8.2





#62

1,3-Dichlorobenzene

Concen: 9.283 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

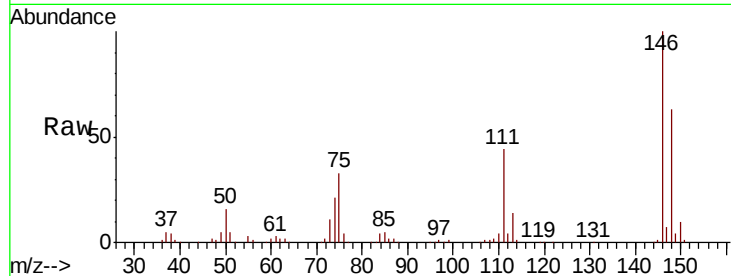
Tot Ion:146 Resp: 162056

Ion Ratio Lower Upper

146 100

111 44.1 29.1 54.1

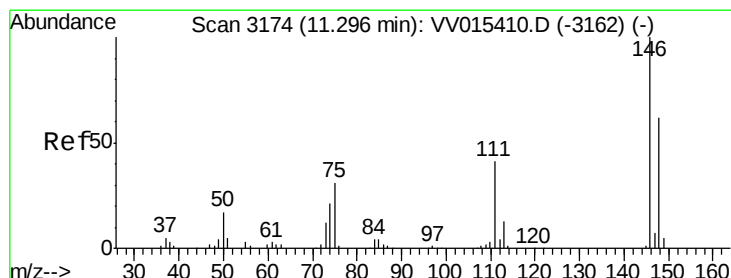
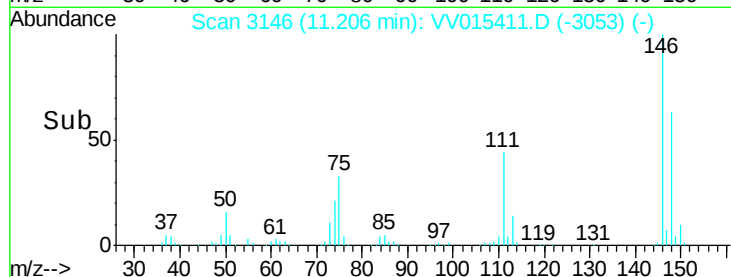
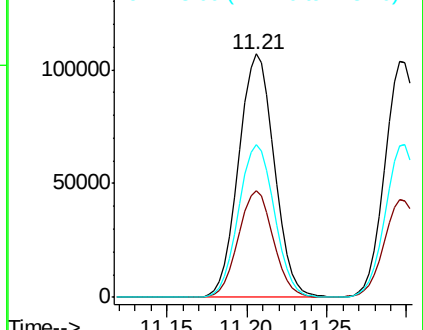
148 62.8 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 9.019 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

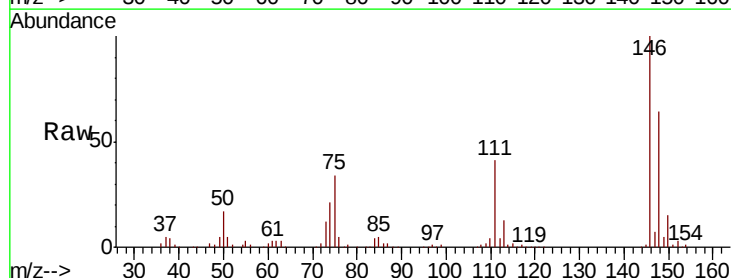
Tgt Ion:146 Resp: 161328

Ion Ratio Lower Upper

146 100

111 41.5 28.8 53.4

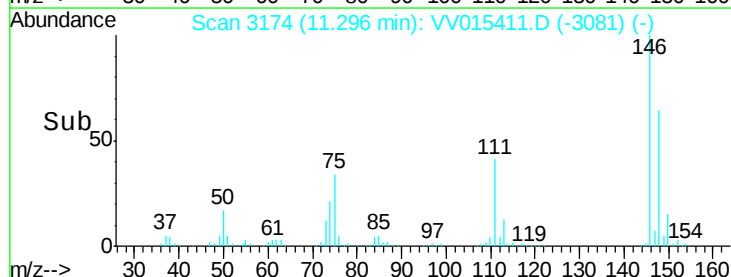
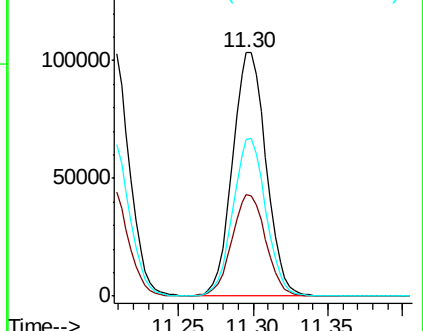
148 64.5 43.6 81.0

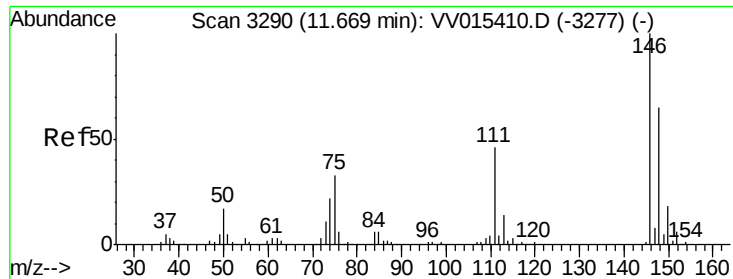


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.120 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampled :

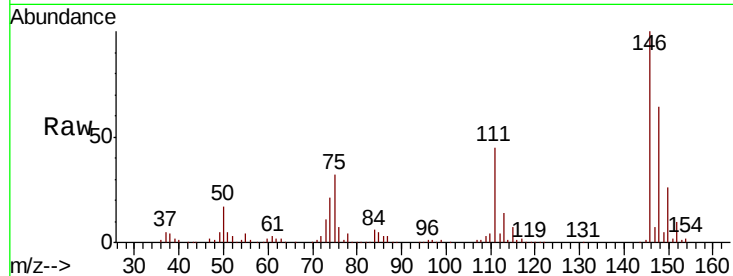
Tot Ion:146 Resp: 146407

Ion Ratio Lower Upper

146 100

111 44.8 37.1 55.7

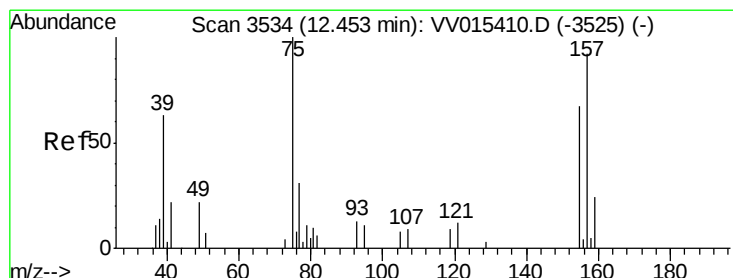
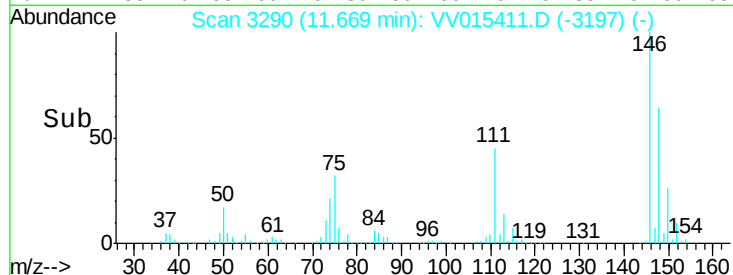
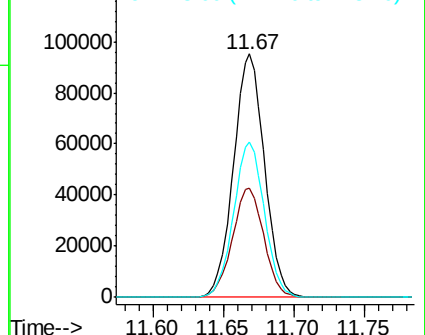
148 64.0 51.6 77.4



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: 9.083 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

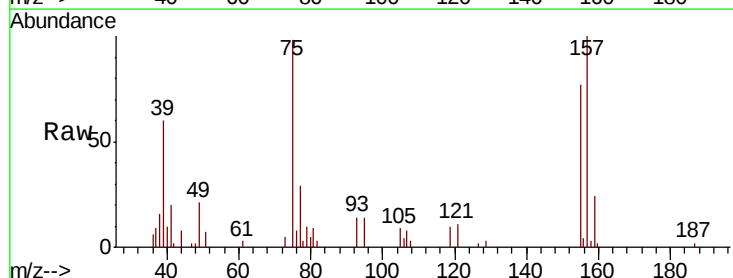
Tgt Ion: 75 Resp: 9912

Ion Ratio Lower Upper

75 100

155 78.2 53.8 80.8

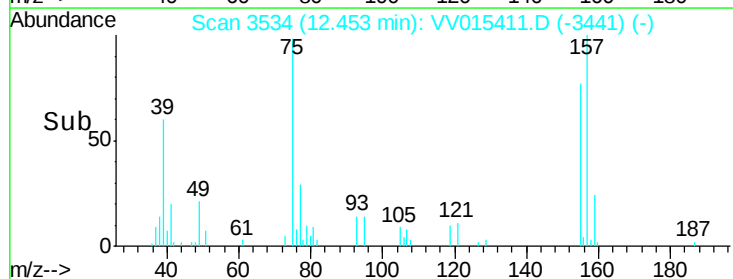
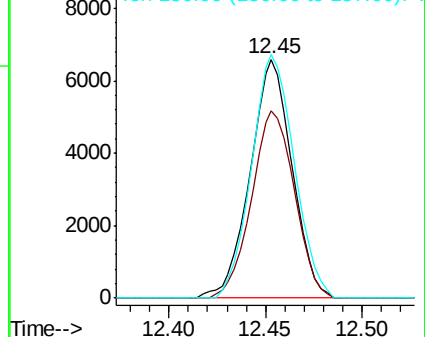
157 101.9 73.9 110.9

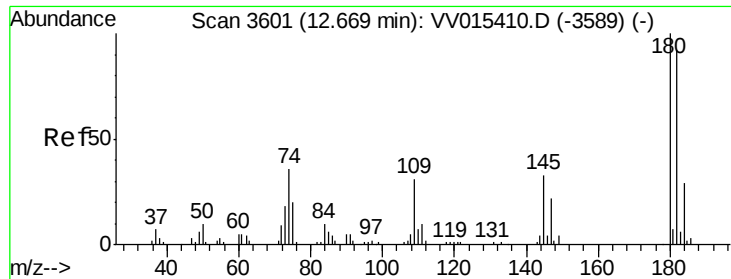


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

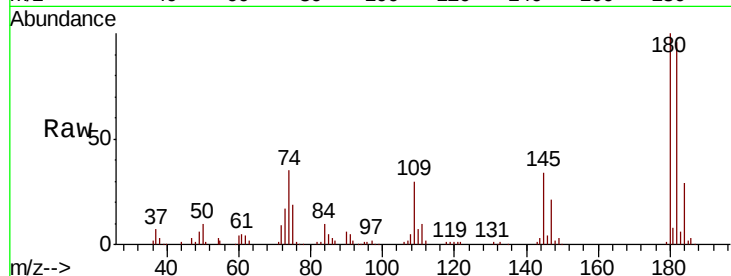




#67
 1,3,5-Trichlorobenzene
 Concen: 8.161 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.5	111.7
184	29.8	23.0	34.4
145	33.5	26.4	39.6

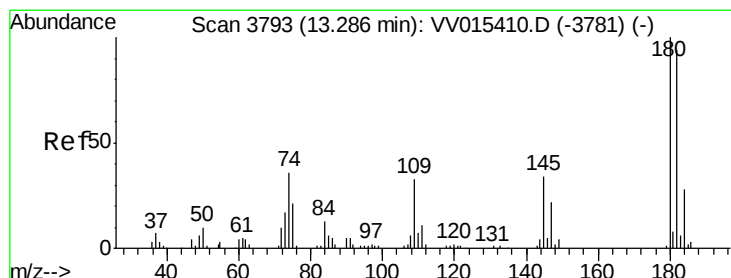
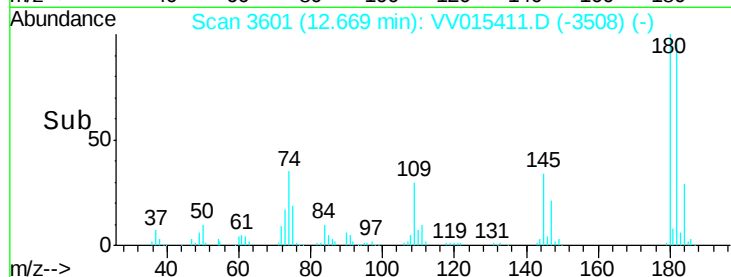
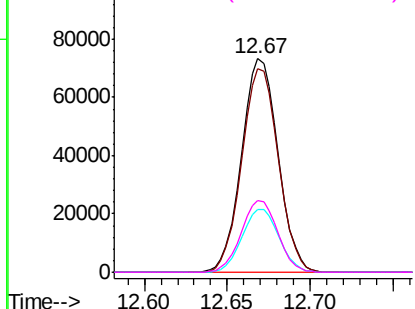


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

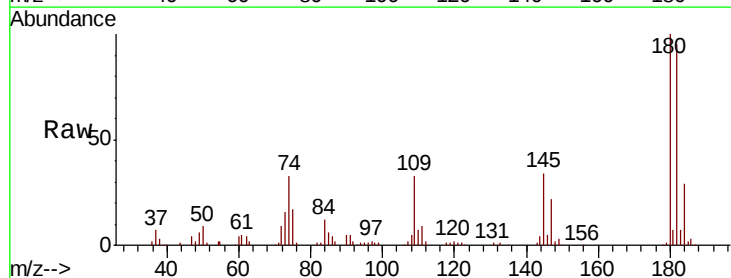
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 8.251 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015411.D
 Acq: 06 Apr 2020 14:27

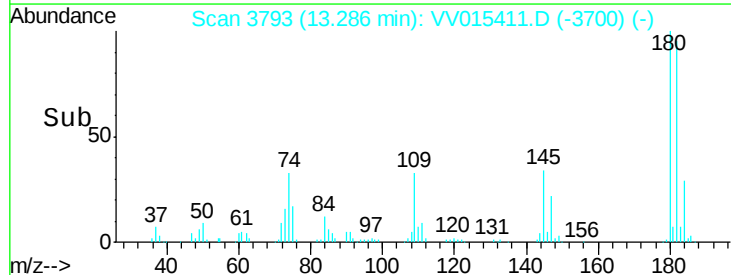
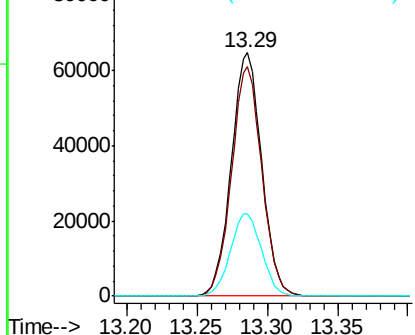
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.4	113.2
145	34.5	28.0	42.0

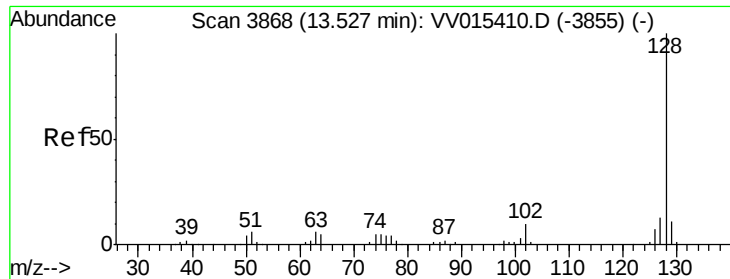


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 9.949 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

Instrument :

MSVOA_V

ClientSampleId :

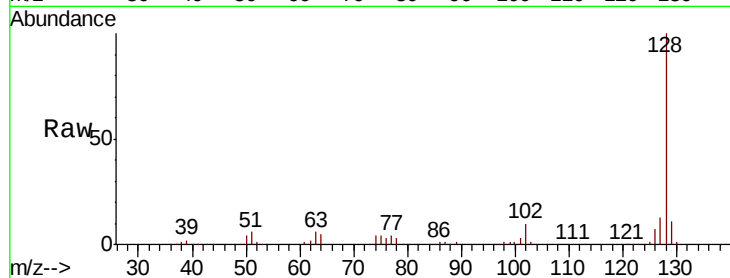
Tot Ion:128 Resp: 198633

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

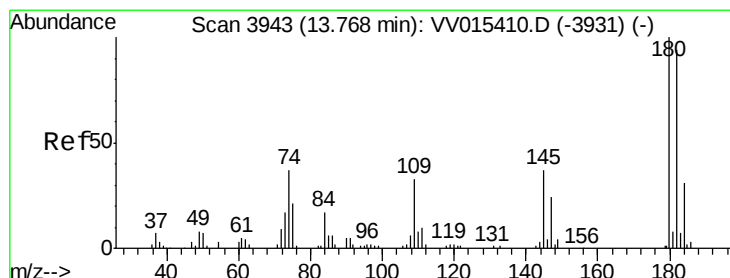
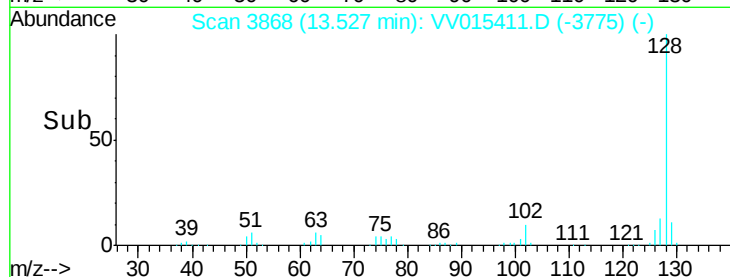
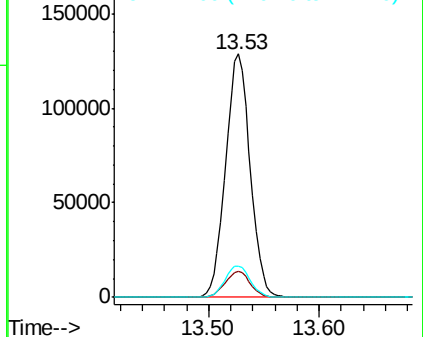
127 13.2 10.1 15.1



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: 8.066 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015411.D

Acq: 06 Apr 2020 14:27

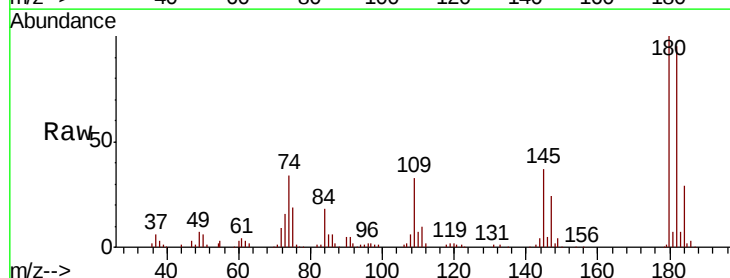
Tgt Ion:180 Resp: 84814

Ion Ratio Lower Upper

180 100

182 93.7 75.0 112.4

145 37.1 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

