

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040620\
 Data File : VV015410.D
 Acq On : 06 Apr 2020 14:03
 Operator : SY/MD
 Sample : VSTD00535
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 07 02:09:06 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	100556	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	104481	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34221	4.49	ug/L	0.00
7) Chloroethane-d5	1.59	69	30007	4.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	76691	5.58	ug/L	0.00
20) 2-Butanone-d5	4.00	46	82951	51.78	ug/L	0.00
24) Chloroform-d	4.38	84	61466	4.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	43066	5.97	ug/L	0.00
32) Benzene-d6	5.07	84	157245	5.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	32898	3.70	ug/L	0.00
41) Toluene-d8	7.36	98	110821	4.14	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	14449	4.13	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	62173	43.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24816	3.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	39584	4.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	46576	4.350	ug/L 100
3) Chloromethane	1.26	50	47886	4.763	ug/L 100
5) Vinyl chloride	1.33	62	51123	5.373	ug/L 100
6) Bromomethane	1.54	94	32016	5.836	ug/L 100
8) Chloroethane	1.61	64	31009	5.713	ug/L 100
9) Trichlorofluoromethane	1.78	101	74743	5.677	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46371	6.464	ug/L 100
12) 1,1-Dichloroethene	2.14	96	43819	6.452	ug/L 100
13) Acetone	2.27	43	53301	49.376	ug/L 100
14) Carbon disulfide	2.31	76	136844	6.014	ug/L 100
15) Methyl Acetate	2.49	43	17198	5.967	ug/L 100
16) Methylene chloride	2.53	84	45829	5.572	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	97578	5.550	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	44620	5.645	ug/L 100
19) 1,1-Dichloroethane	3.22	63	79159	5.236	ug/L 100
21) 2-Butanone	4.08	43	92032	50.482	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	47674	5.656	ug/L 100
23) Bromochloromethane	4.28	128	19712	5.779	ug/L 100
25) Chloroform	4.41	83	94119	6.062	ug/L 100
27) 1,2-Dichloroethane	5.16	62	37581	4.323	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	78643	5.549	ug/L 100
30) Cyclohexane	4.69	56	76592	4.955	ug/L 100
31) Carbon tetrachloride	4.84	117	69080	5.645	ug/L 100
33) Benzene	5.11	78	155803	4.647	ug/L 100
34) Trichloroethene	5.94	95	37631	4.307	ug/L 100
35) Methylcyclohexane	6.15	83	71767	4.767	ug/L 100
37) 1,2-Dichloropropane	6.21	63	31701	3.846	ug/L 100
38) Bromodichloromethane	6.54	83	44688	4.330	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	50858	4.162	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	179341	36.903	ug/L 100

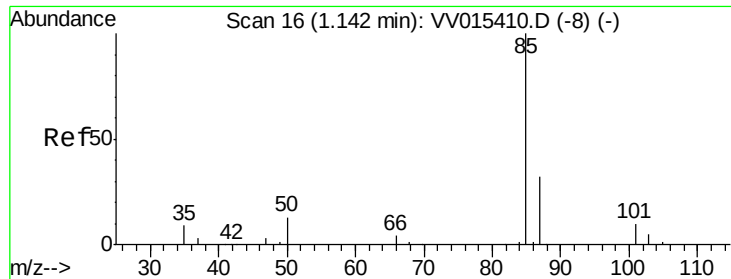
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	158887	4.513	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	42491	4.460	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	23684	4.369	ug/L	100
47) Tetrachloroethene	8.01	164	27579	4.018	ug/L	100
48) 2-Hexanone	8.18	43	129683	37.475	ug/L	100
49) Dibromochloromethane	8.28	129	27446	4.470	ug/L	100
50) 1,2-Dibromoethane	8.39	107	22870	4.416	ug/L	100
51) Chlorobenzene	8.91	112	102902	4.573	ug/L	100
52) Ethylbenzene	9.04	91	185935	4.617	ug/L	100
53) m,p-xylene	9.17	106	72501	4.869	ug/L	100
54) o-xylene	9.57	106	69730	4.822	ug/L	100
55) Styrene	9.59	104	116068	4.802	ug/L	100
56) Isopropylbenzene	9.96	105	188698	4.832	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.27	83	27435	4.108	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	20159	4.119	ug/L	100
61) Bromoform	9.76	173	12805	4.326	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	81776	4.676	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	82268	4.591	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	71890	4.470	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	5233	4.787	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	55230	4.017	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	47415	4.001	ug/L	100
69) Naphthalene	13.53	128	97642	4.882	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	41810	3.969	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.350 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

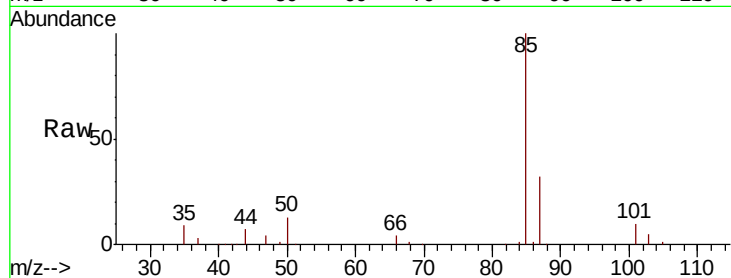
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 46576

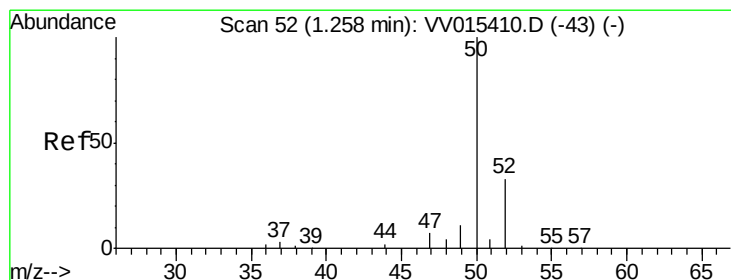
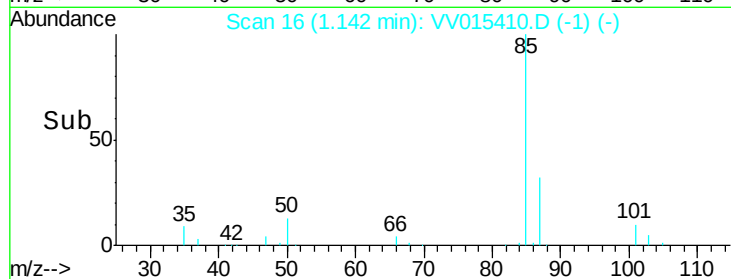
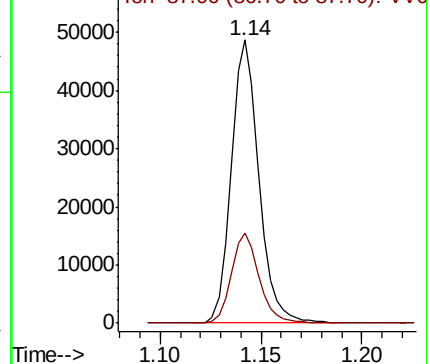
Ion Ratio Lower Upper

85 100

87 31.7 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: 4.763 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV015410.D

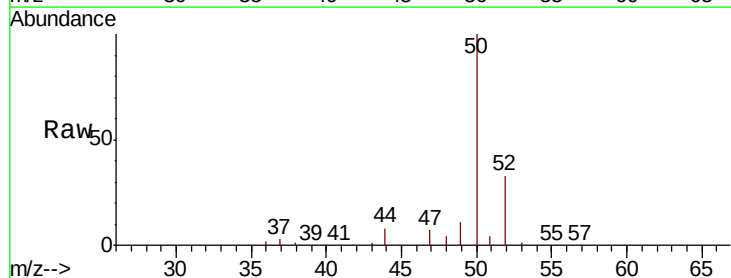
Acq: 06 Apr 2020 14:03

Tgt Ion: 50 Resp: 47886

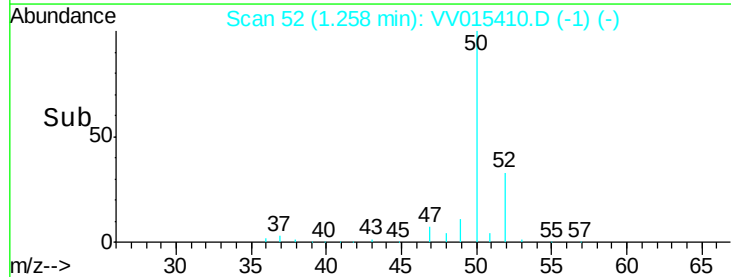
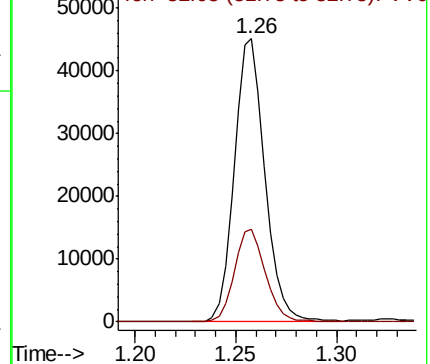
Ion Ratio Lower Upper

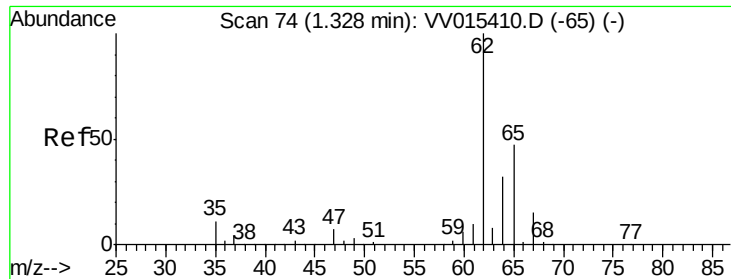
50 100

52 32.7 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: 5.373 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

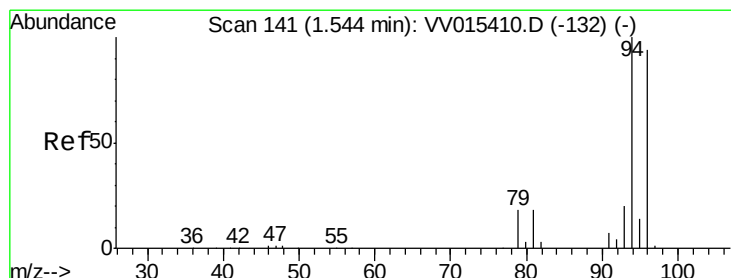
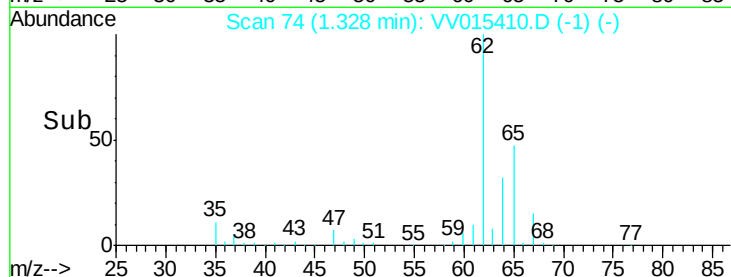
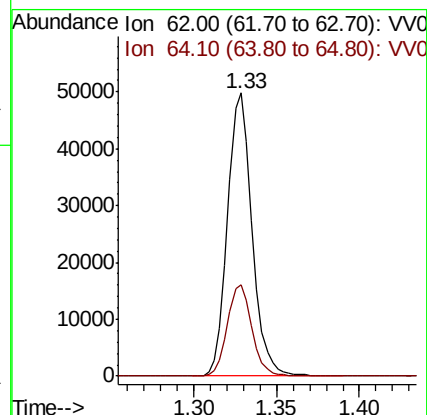
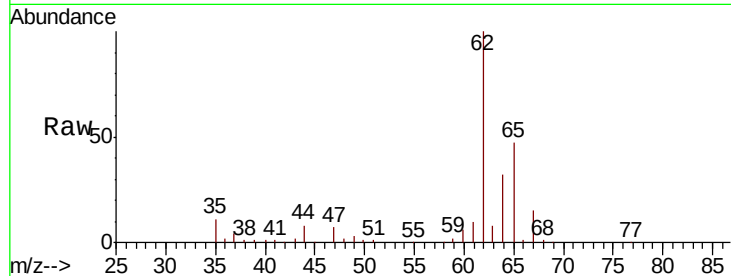
ClientSampled :

Tot Ion: 62 Resp: 51123

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 5.836 ug/L

RT: 1.54 min Scan# 141

Delta R.T. 0.00 min

Lab File: VV015410.D

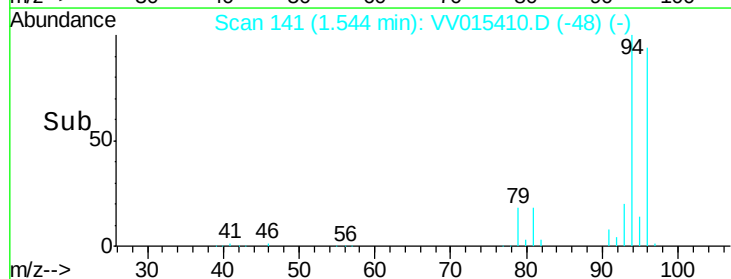
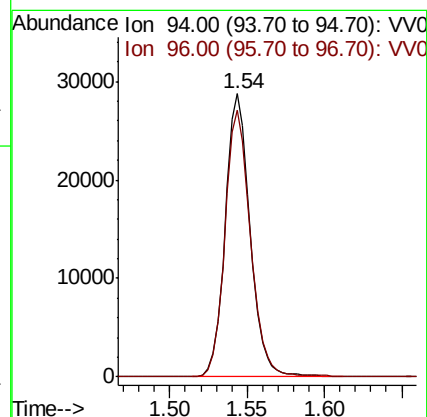
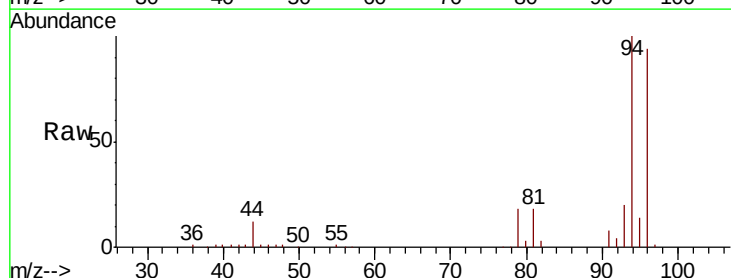
Acq: 06 Apr 2020 14:03

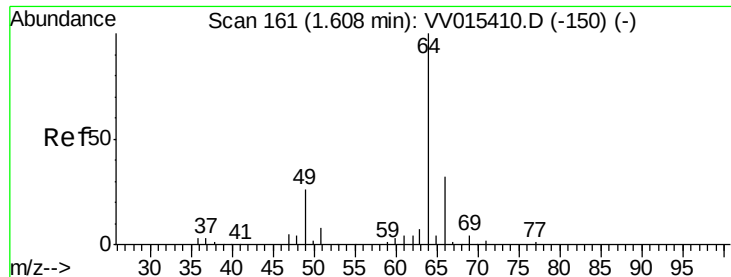
Tgt Ion: 94 Resp: 32016

Ion Ratio Lower Upper

94 100

96 94.0 65.8 122.2





#8

Chloroethane

Concen: 5.713 ug/L

RT: 1.61 min Scan# 161

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

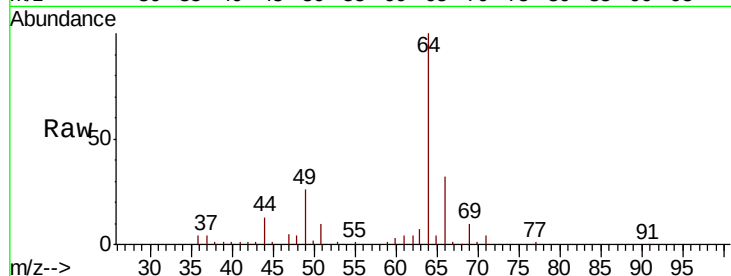
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 31009

Ion Ratio Lower Upper

64 100

66 31.6 22.1 41.1

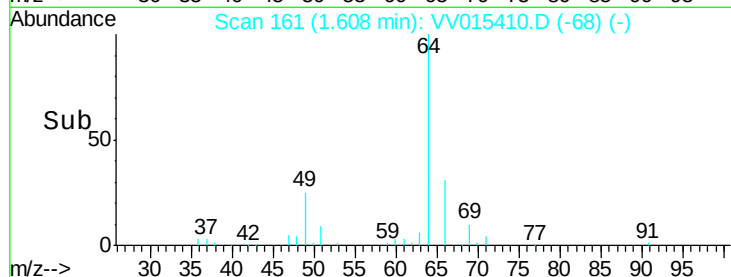


Abundance Ion 64.10 (63.80 to 64.80): VV015410.D (-150) (-)

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

1.61

Time-->



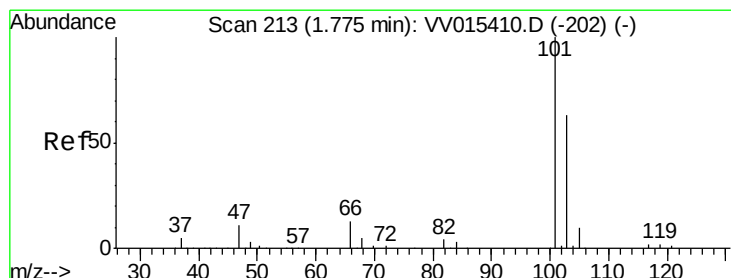
Abundance

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

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

1.61

Time-->



#9

Trichlorofluoromethane

Concen: 5.677 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV015410.D

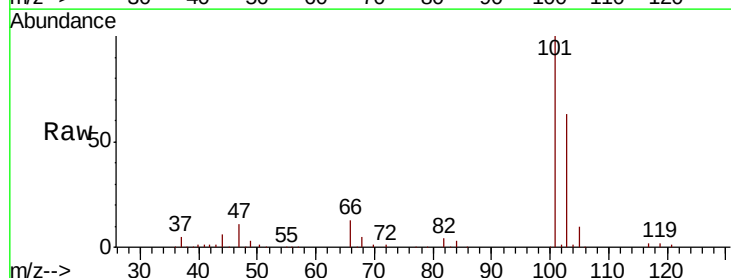
Acq: 06 Apr 2020 14:03

Tgt Ion:101 Resp: 74743

Ion Ratio Lower Upper

101 100

103 63.8 51.0 76.6

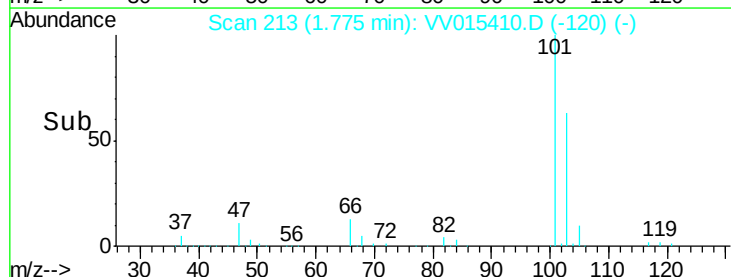


Abundance Ion 101.00 (100.70 to 101.70): VV015410.D (-202) (-)

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

1.78

Time-->



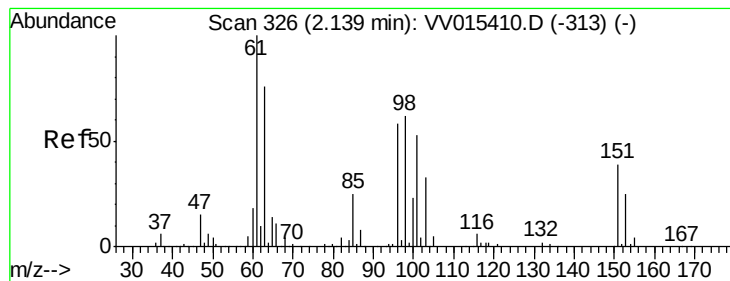
Abundance

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

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

1.78

Time-->



#10

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

Concen: 6.464 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

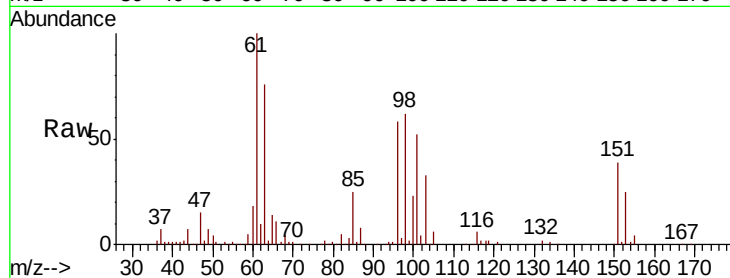
Tot Ion:101 Resp: 46371

Ion Ratio Lower Upper

101 100

85 45.3 36.2 54.4

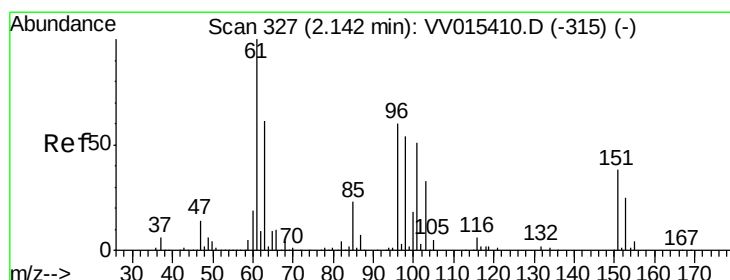
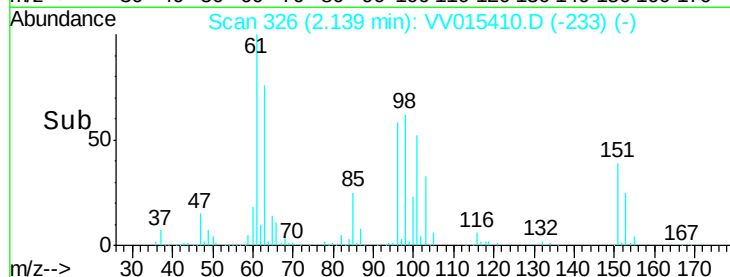
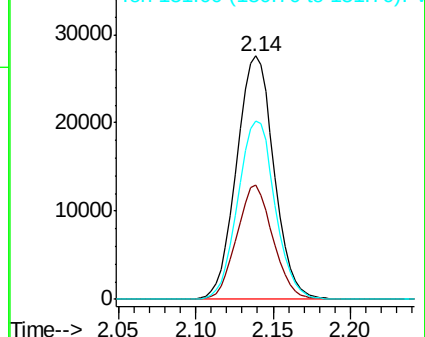
151 73.0 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 6.452 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

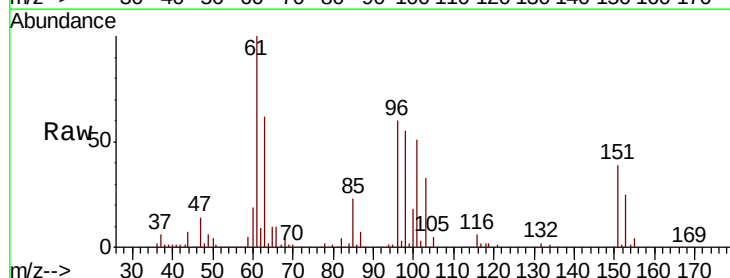
Tgt Ion: 96 Resp: 43819

Ion Ratio Lower Upper

96 100

61 167.3 117.1 217.5

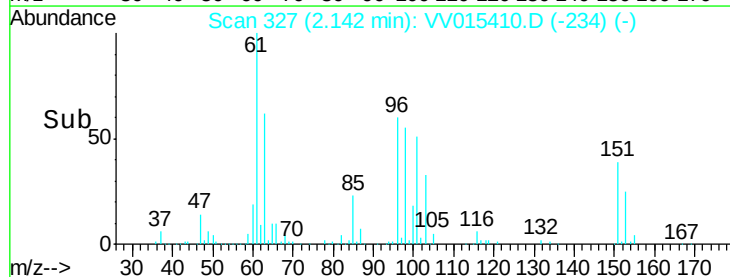
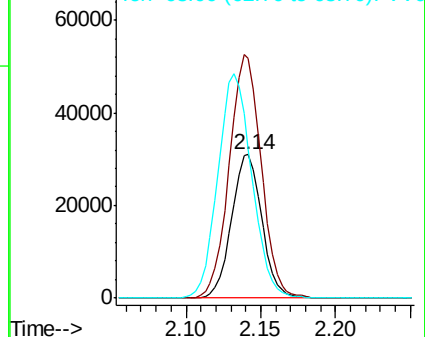
63 104.2 72.9 135.5

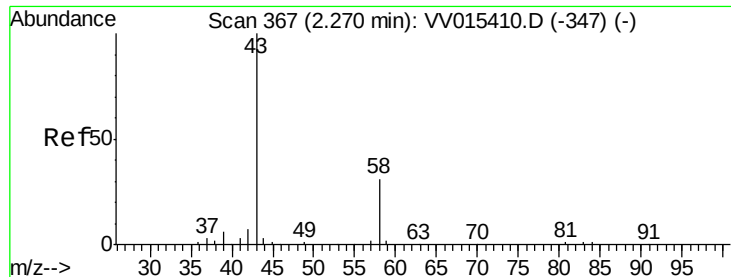


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.376 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

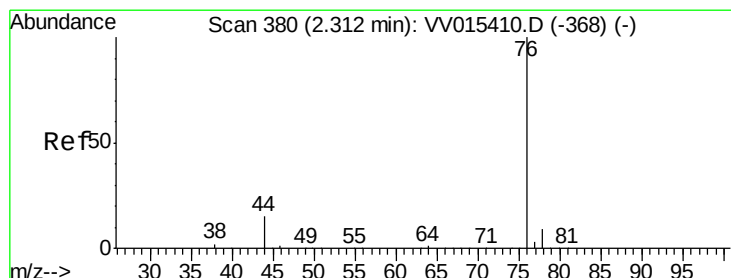
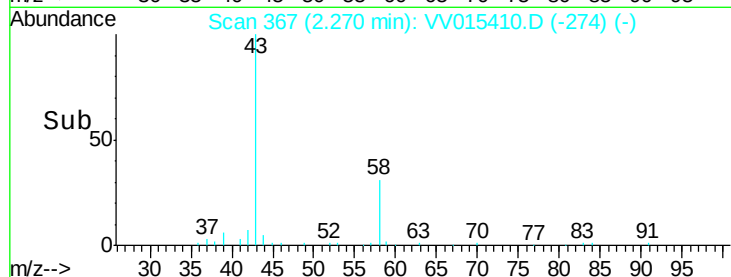
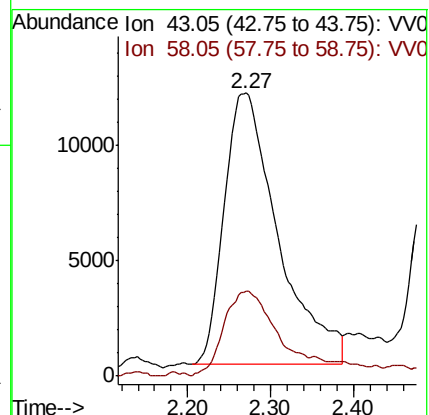
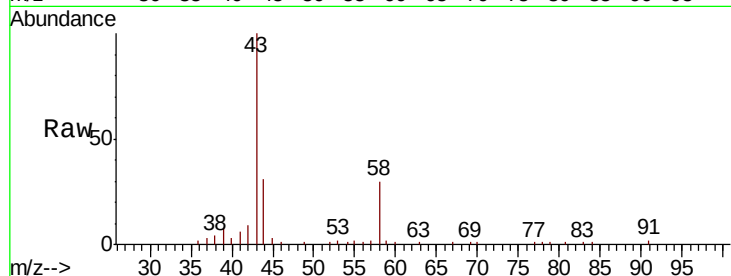
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 53301

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 6.014 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV015410.D

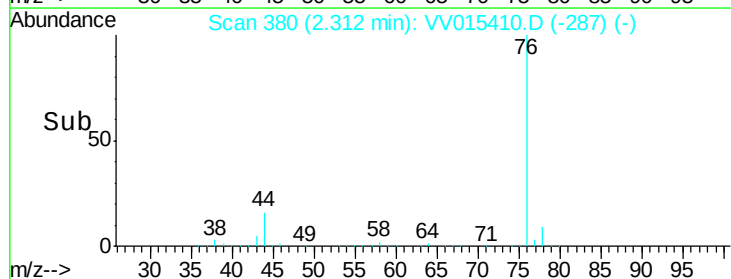
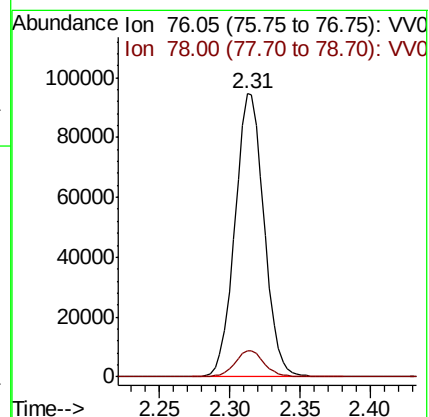
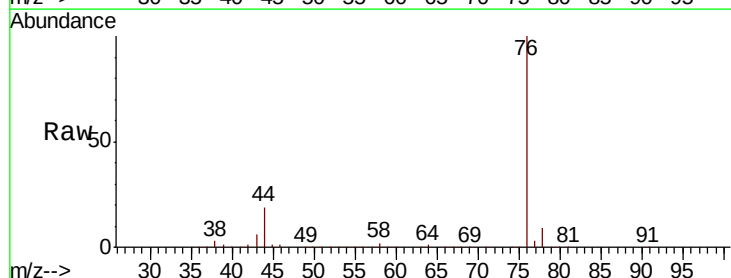
Acq: 06 Apr 2020 14:03

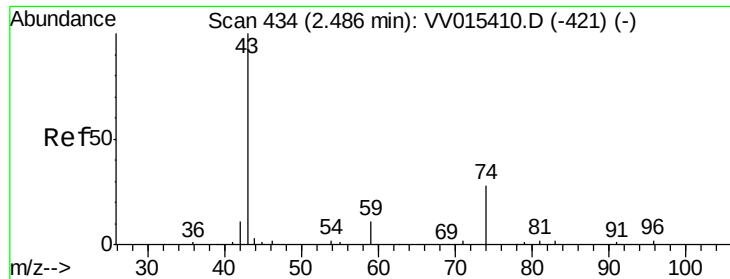
Tgt Ion: 76 Resp: 136844

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

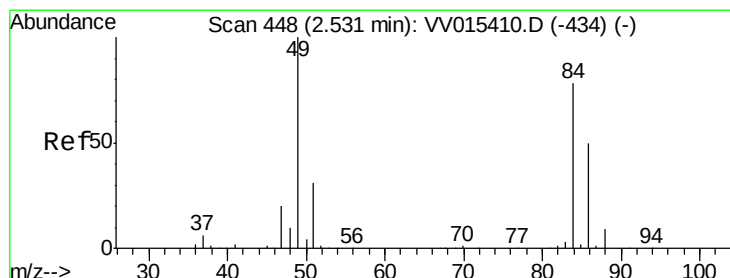
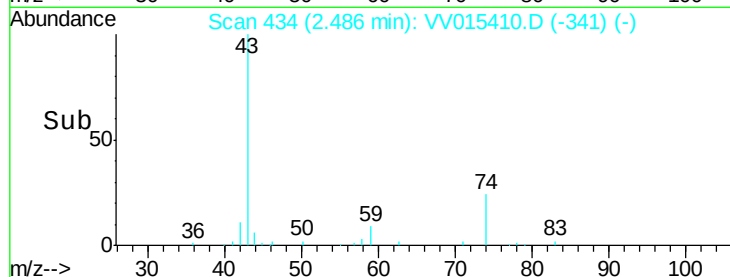
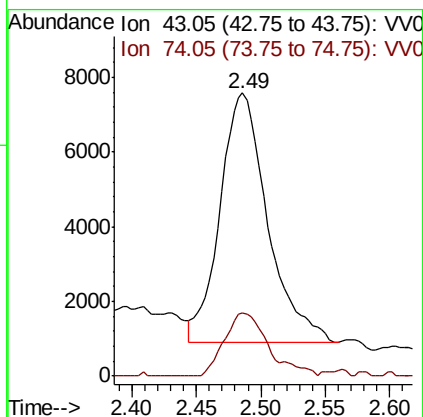
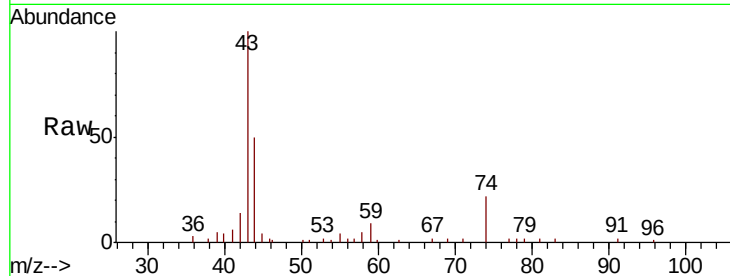




#15
Methyl Acetate
Concen: 5.967 ug/L
RT: 2.49 min Scan# 434
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

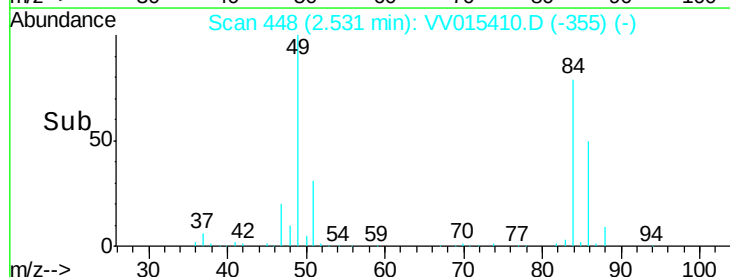
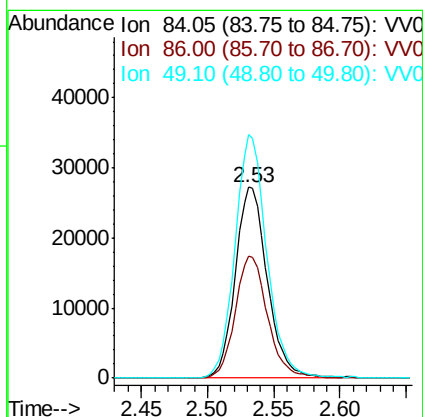
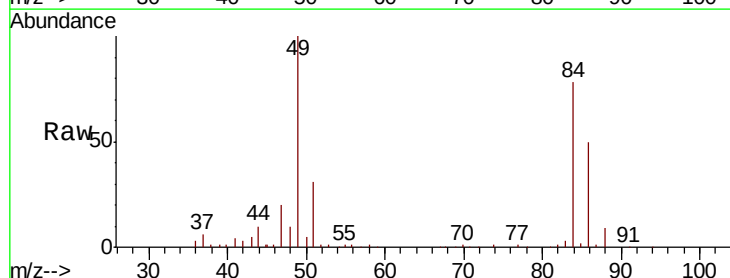
Instrument :
MSVOA_V
ClientSampled :

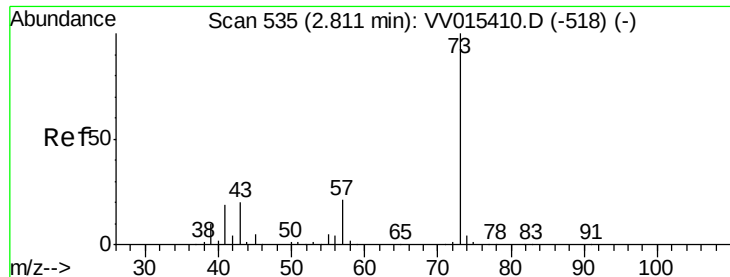
Tot Ion: 43 Resp: 17198
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0



#16
Methylene chloride
Concen: 5.572 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Tgt Ion: 84 Resp: 45829
Ion Ratio Lower Upper
84 100
86 63.6 44.5 82.7
49 127.4 89.2 165.6





#17

Methyl tert-butyl Ether

Concen: 5.550 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :
MSVOA_V
ClientSampleId :

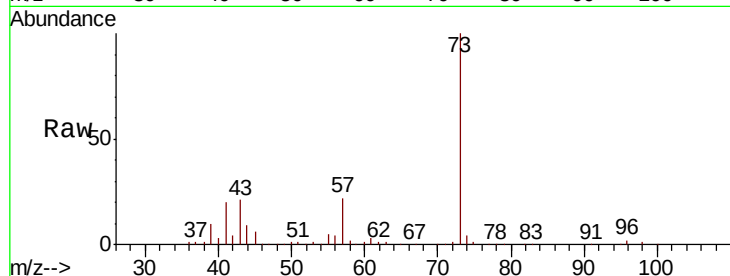
Tot Ion: 73 Resp: 97578

Ion Ratio Lower Upper

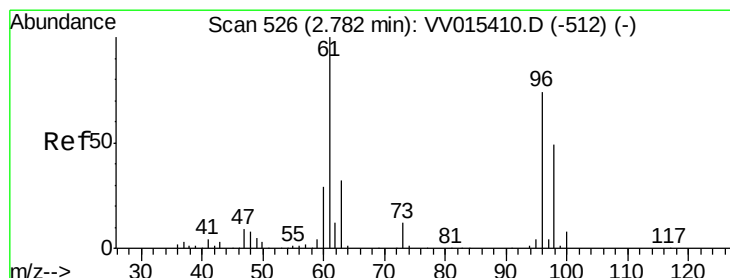
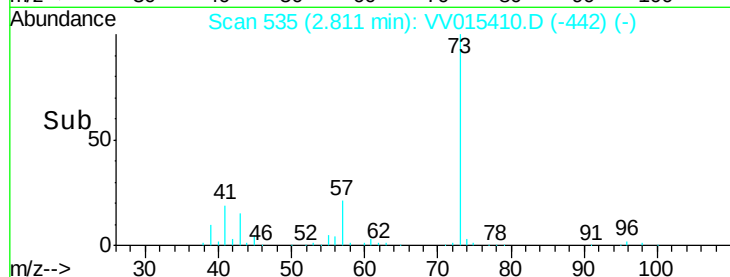
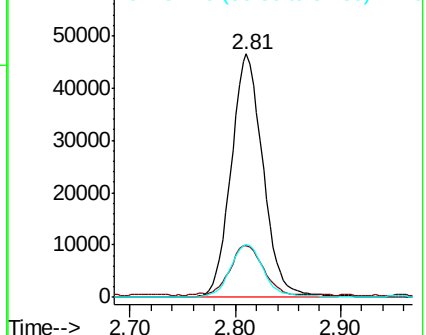
73 100

43 21.1 16.9 25.3

57 21.6 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: 5.645 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

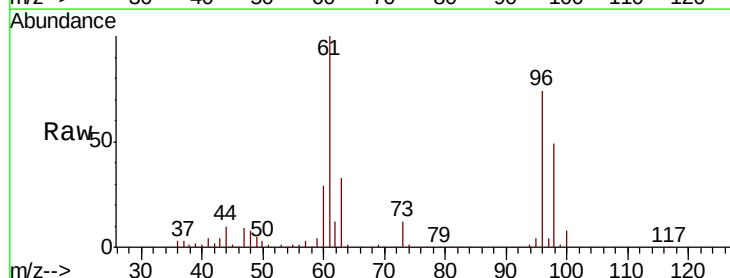
Tgt Ion: 96 Resp: 44620

Ion Ratio Lower Upper

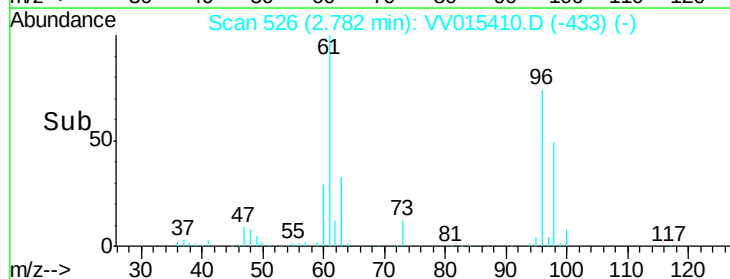
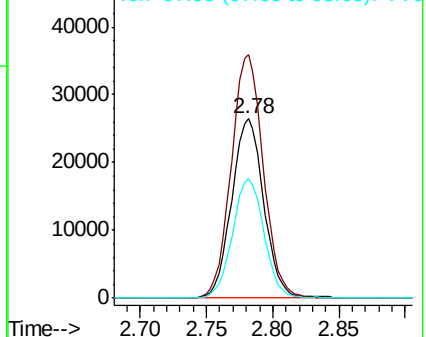
96 100

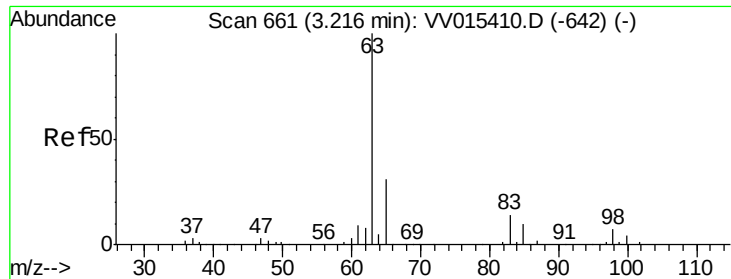
61 135.7 95.0 176.4

98 66.6 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

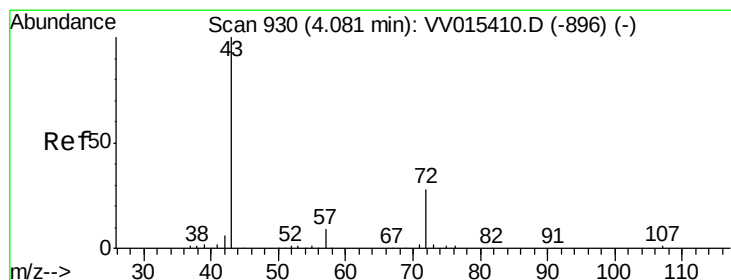
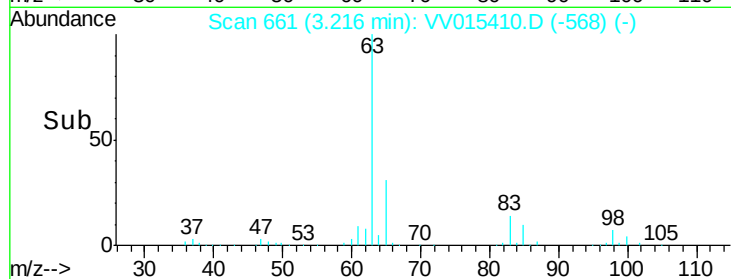
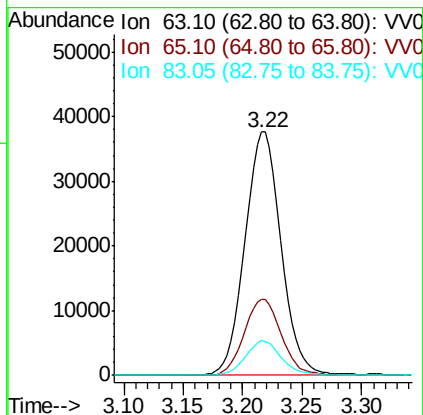
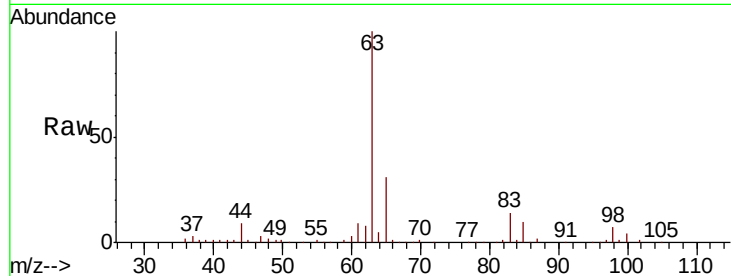




#19
 1,1-Dichloroethane
 Concen: 5.236 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

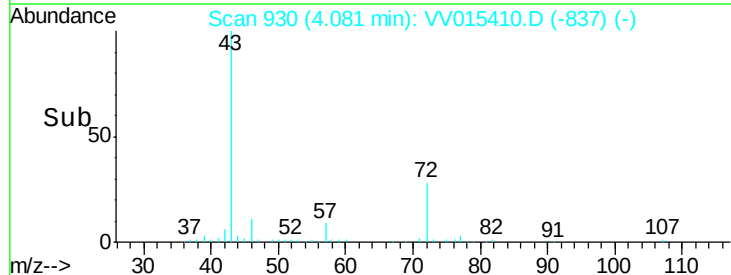
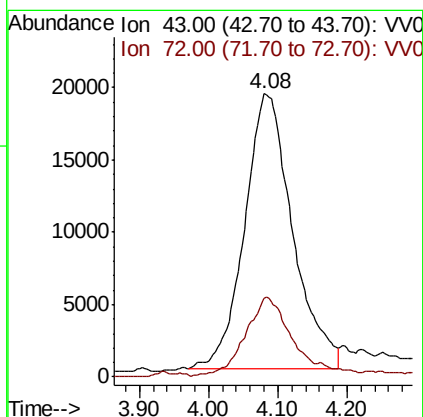
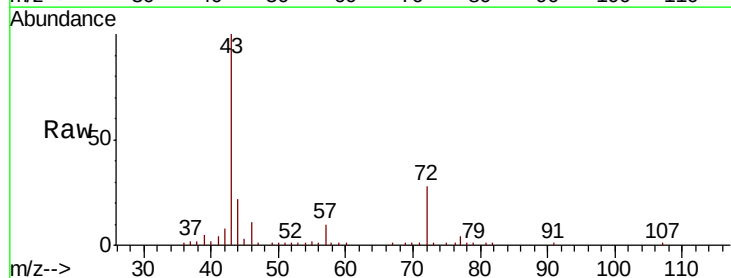
Instrument :
 MSVOA_V
 ClientSampleId :

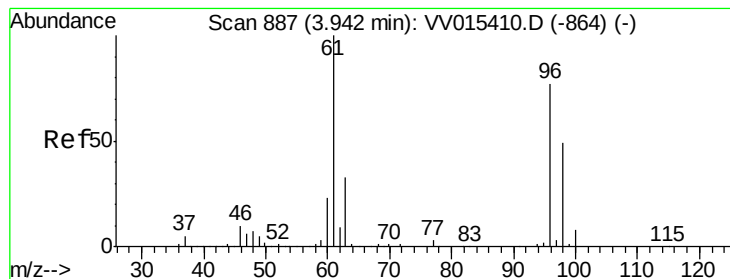
Tot Ion: 63 Resp: 79159
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.6
 83 14.2 9.9 18.5



#21
 2-Butanone
 Concen: 50.482 ug/L
 RT: 4.08 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Tgt Ion: 43 Resp: 92032
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.4 40.2



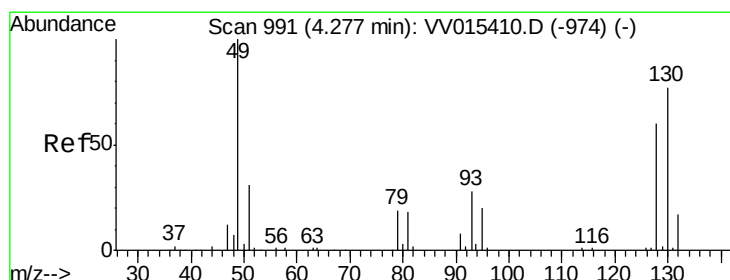
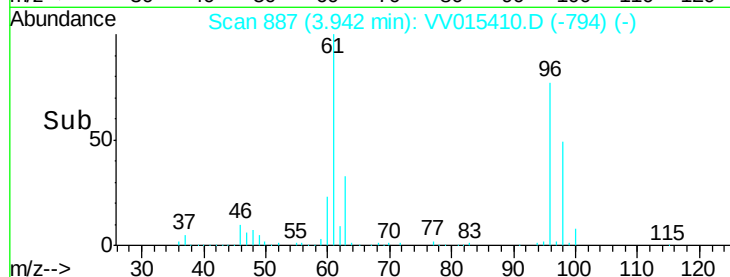
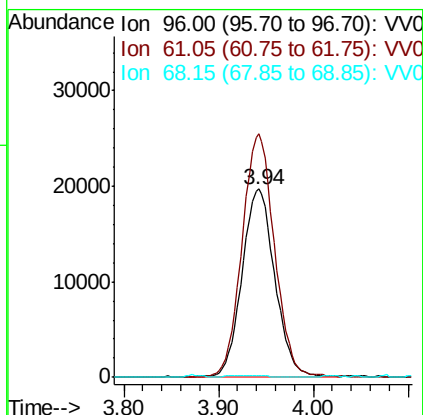
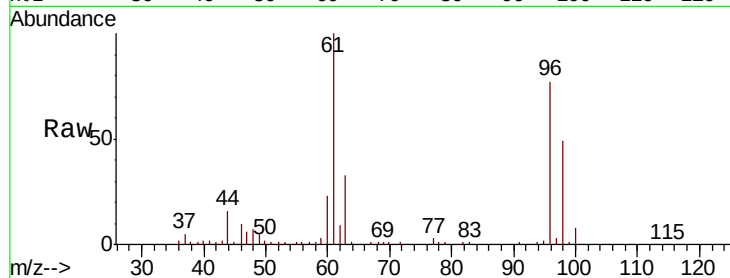


#22

cis-1,2-Dichloroethene
Concen: 5.656 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Instrument :
MSVOA_V
ClientSampleId :

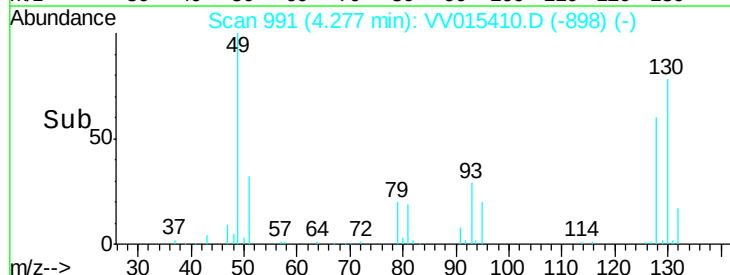
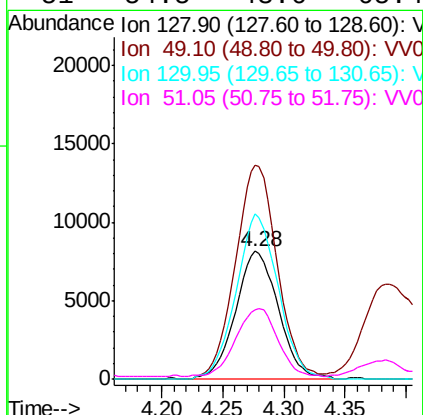
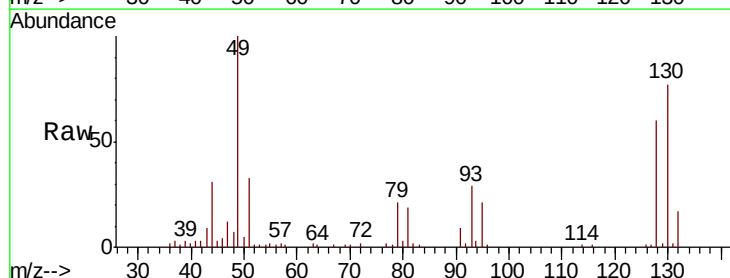
Tot Ion: 96 Resp: 47674
Ion Ratio Lower Upper
96 100
61 129.2 90.4 168.0
68 0.8 0.6 1.0

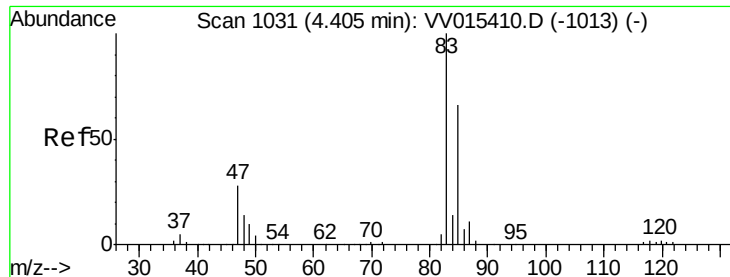


#23

Bromochloromethane
Concen: 5.779 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Tgt Ion: 128 Resp: 19712
Ion Ratio Lower Upper
128 100
49 167.6 117.3 217.9
130 129.2 90.4 168.0
51 54.5 43.6 65.4

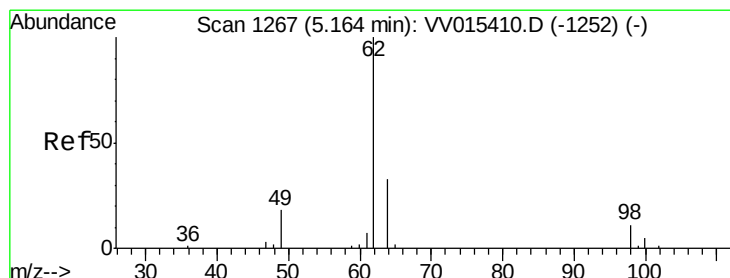
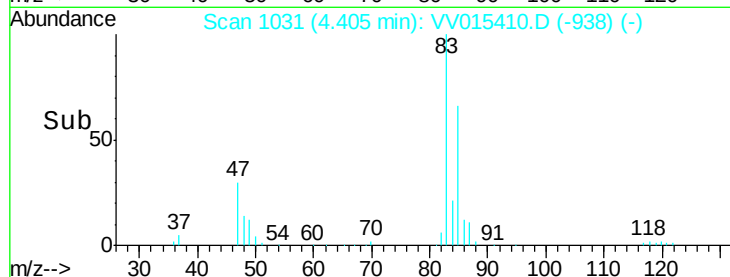
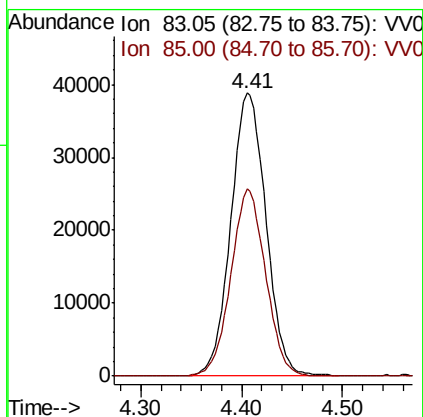
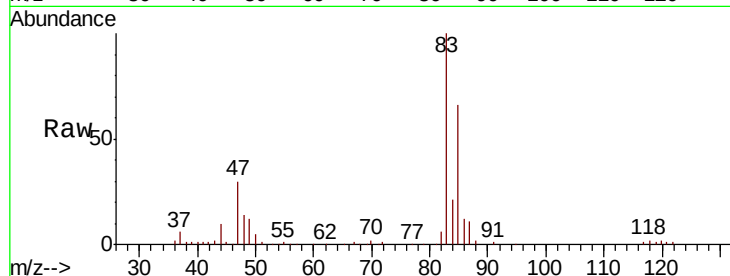




#25
Chloroform
Concen: 6.062 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

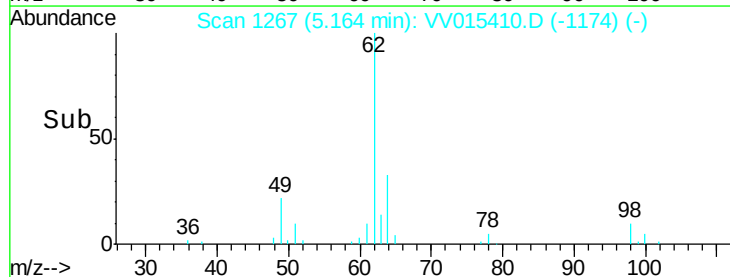
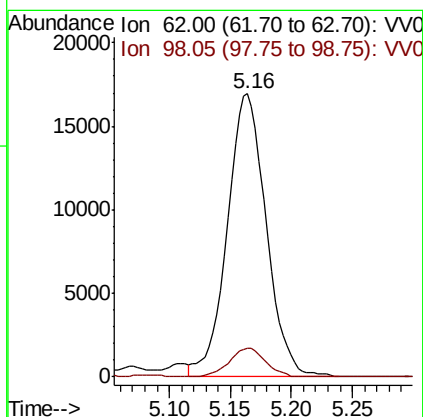
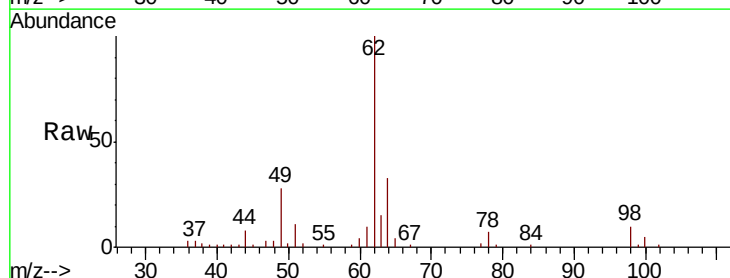
Instrument :
MSVOA_V
ClientSampleId :

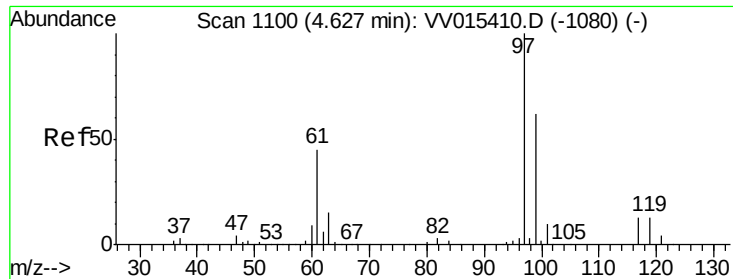
Tot Ion: 83 Resp: 94119
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.323 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Tgt Ion: 62 Resp: 37581
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1

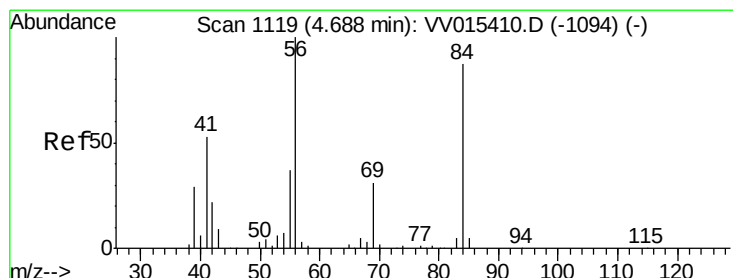
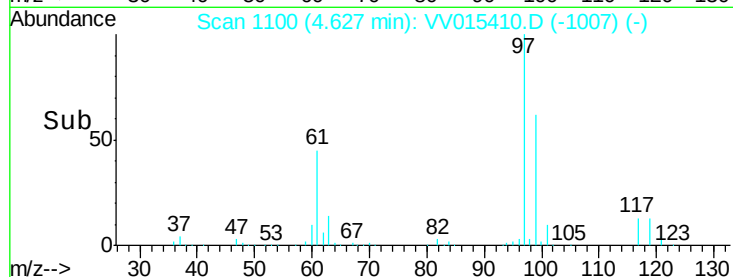
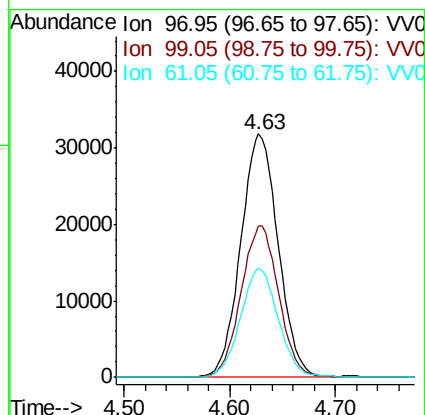
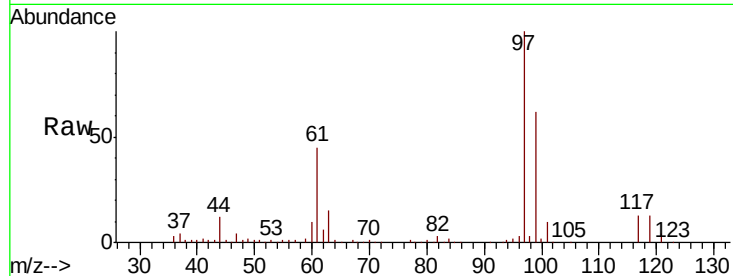




#29
 1,1,1-Trichloroethane
 Concen: 5.549 ug/L
 RT: 4.63 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

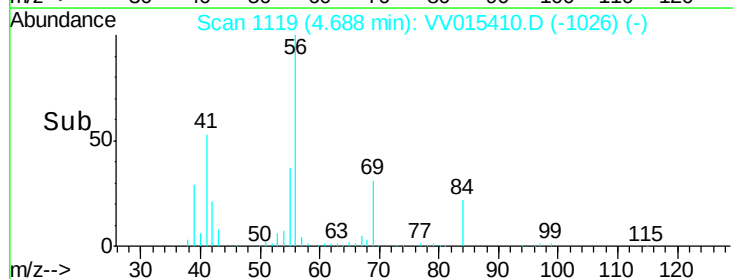
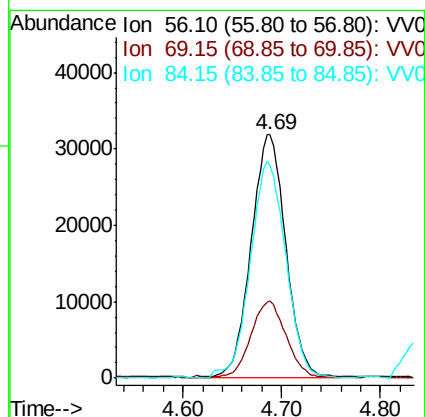
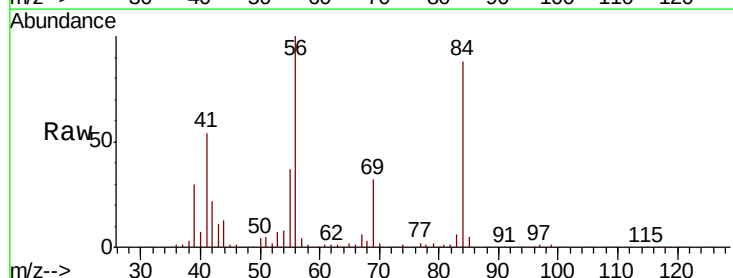
Instrument :
 MSVOA_V
 ClientSampleId :

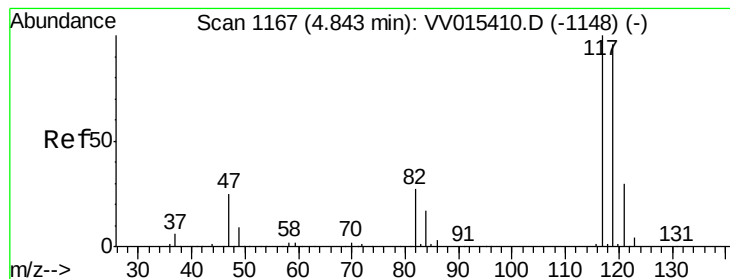
Tot Ion: 97 Resp: 78643
 Ion Ratio Lower Upper
 97 100
 99 62.4 49.9 74.9
 61 45.3 36.2 54.4



#30
 Cyclohexane
 Concen: 4.955 ug/L
 RT: 4.69 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Tgt Ion: 56 Resp: 76592
 Ion Ratio Lower Upper
 56 100
 69 31.7 25.4 38.0
 84 92.0 73.6 110.4





#31

Carbon tetrachloride

Concen: 5.645 ug/L

RT: 4.84 min Scan# 1167

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

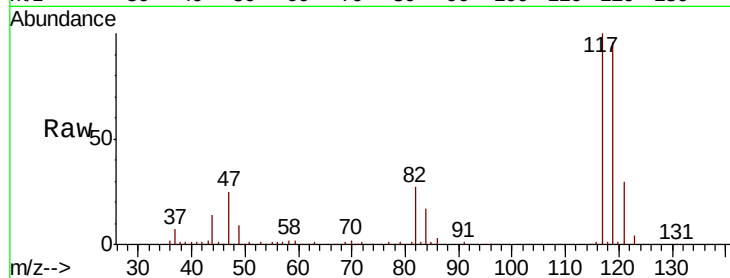
ClientSampleId :

Tot Ion:117 Resp: 69080

Ion Ratio Lower Upper

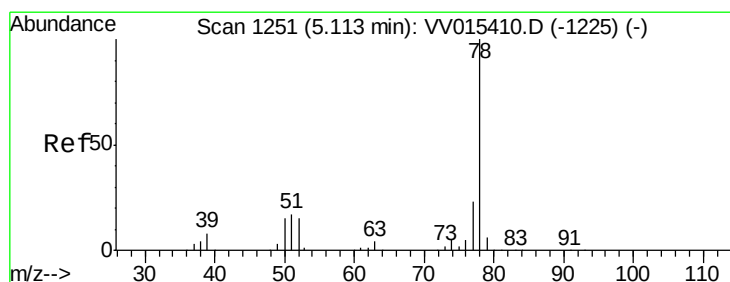
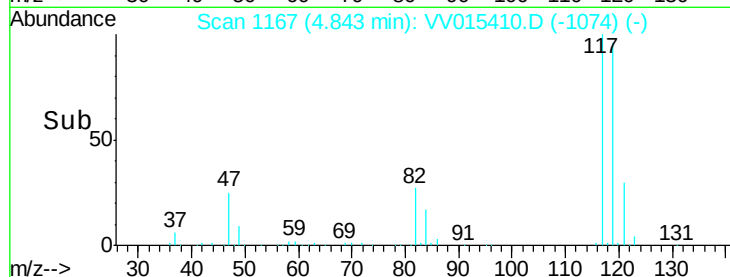
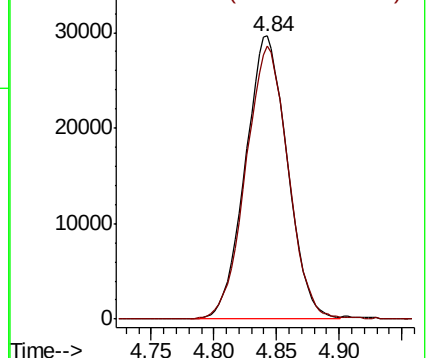
117 100

119 96.9 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: 4.647 ug/L

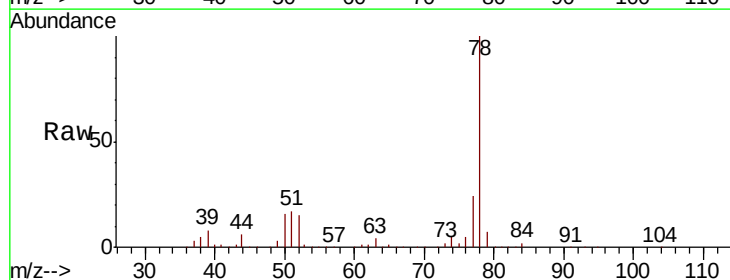
RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

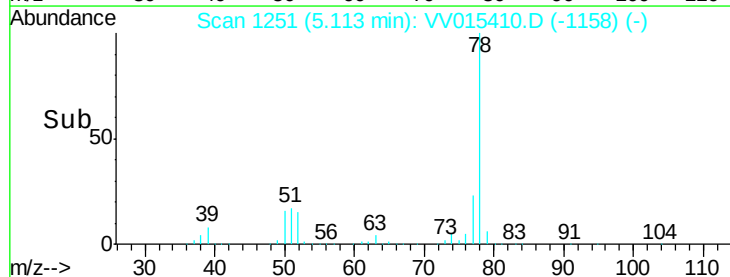
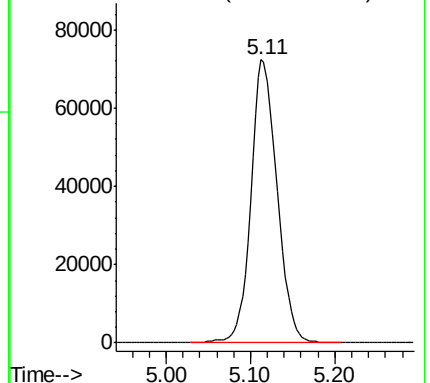
Lab File: VV015410.D

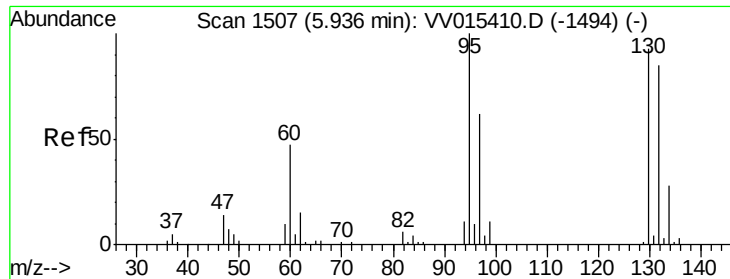
Acq: 06 Apr 2020 14:03

Tgt Ion: 78 Resp: 155803



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.307 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 37631

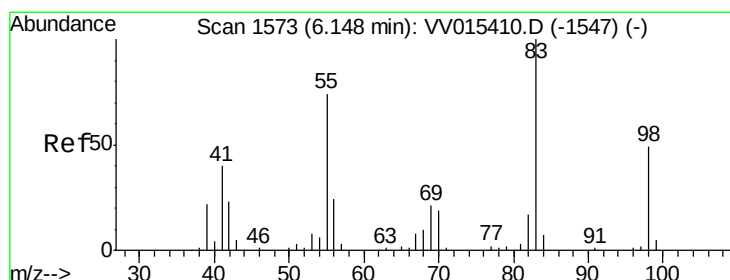
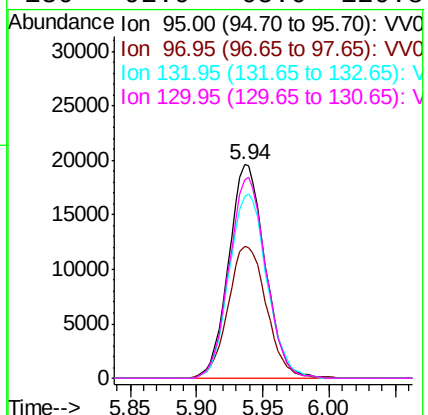
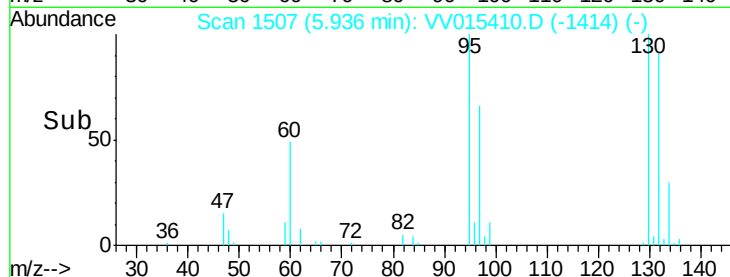
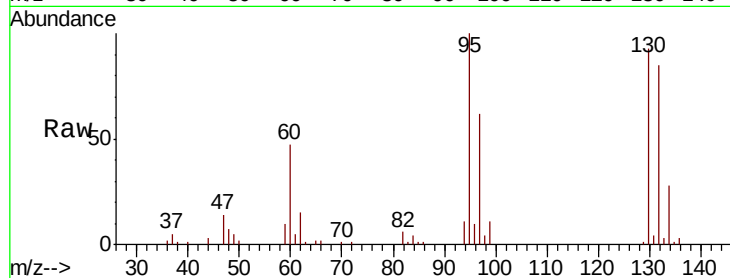
Ion Ratio Lower Upper

95 100

97 61.6 43.1 80.1

132 84.9 59.4 110.4

130 92.9 65.0 120.8



#35

Methylcyclohexane

Concen: 4.767 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

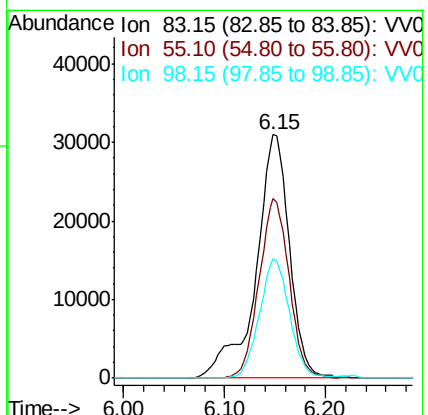
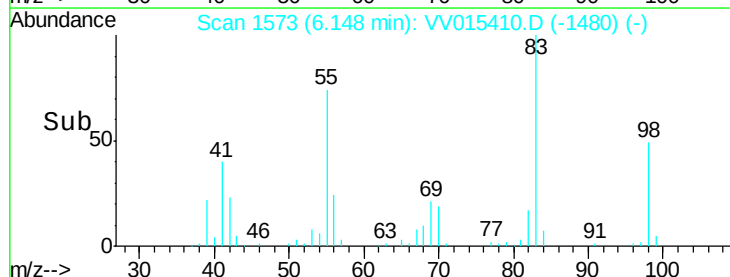
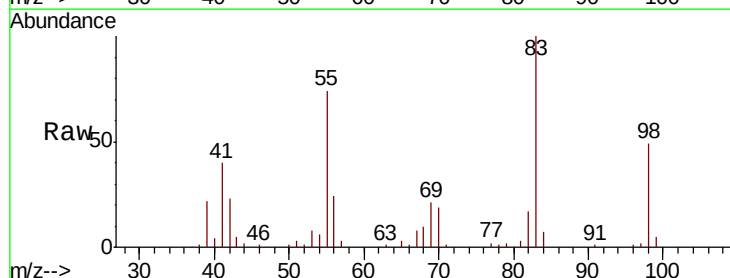
Tgt Ion: 83 Resp: 71767

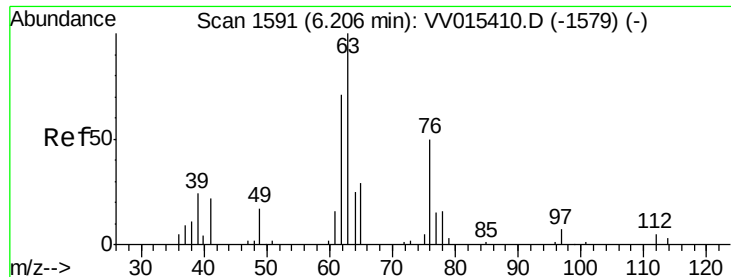
Ion Ratio Lower Upper

83 100

55 66.0 52.8 79.2

98 44.0 35.2 52.8

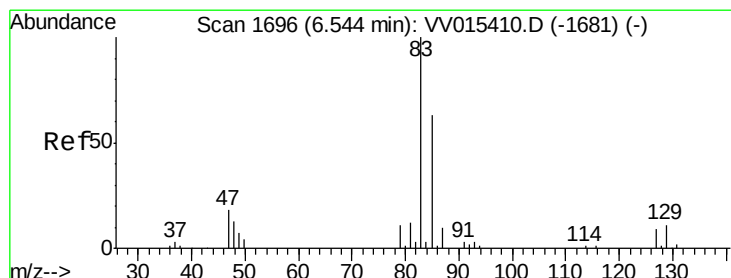
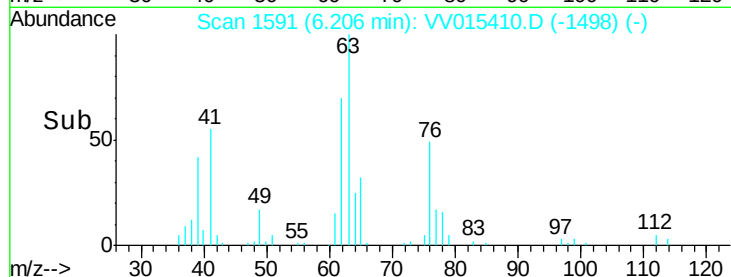
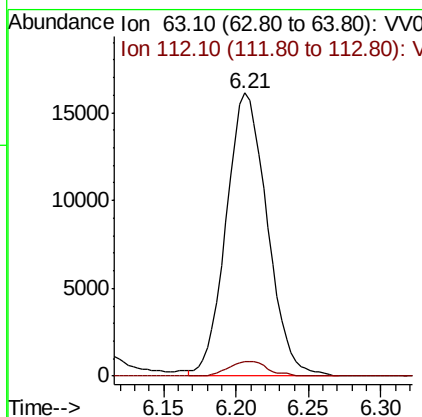
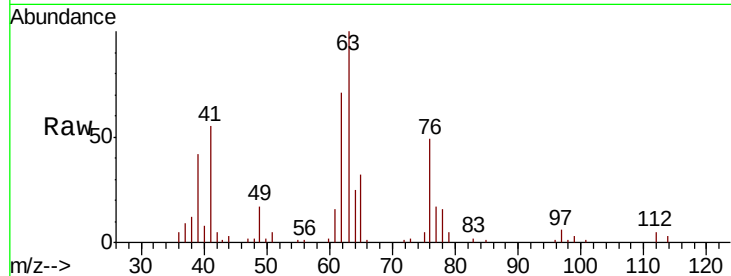




#37
 1,2-Dichloropropane
 Concen: 3.846 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

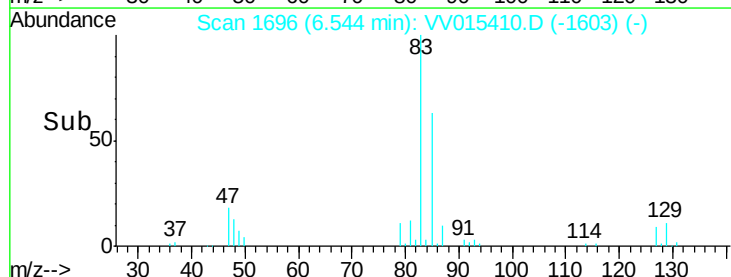
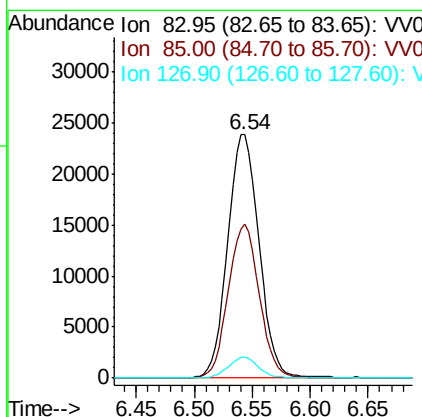
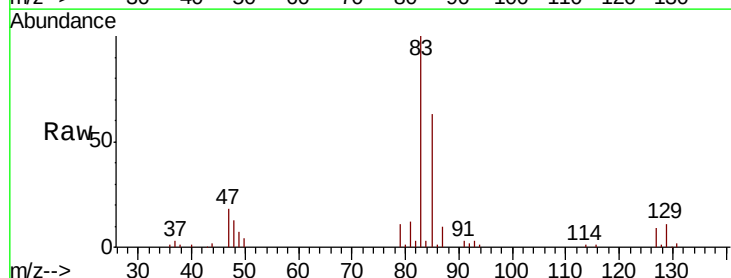
Instrument :
 MSVOA_V
 ClientSampleId :

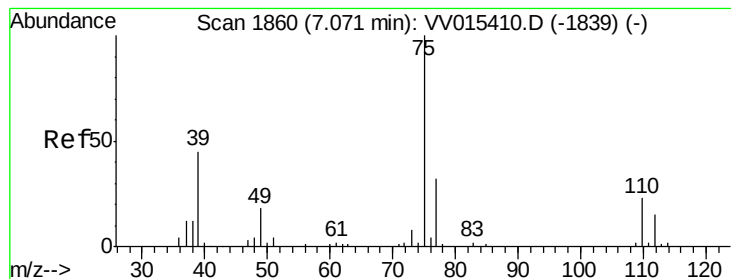
Tot Ion: 63 Resp: 31701
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.330 ug/L
 RT: 6.54 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Tgt Ion: 83 Resp: 44688
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.2 82.2
 127 8.6 6.9 10.3



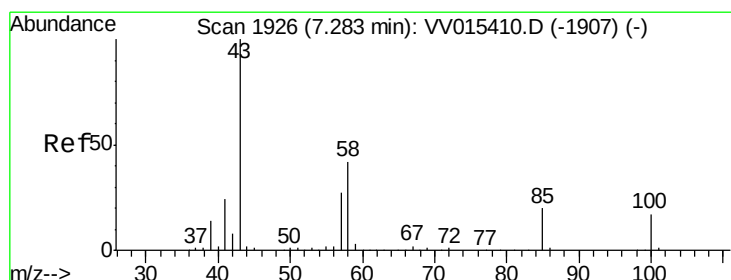
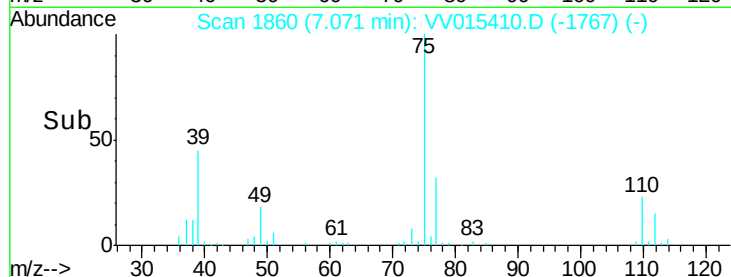
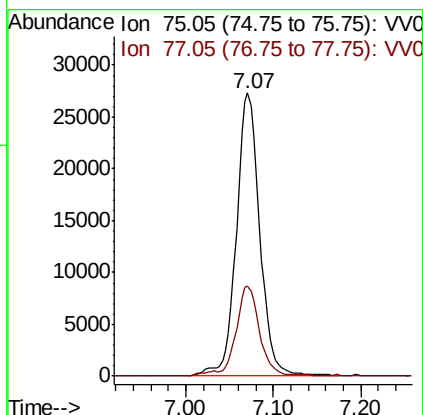
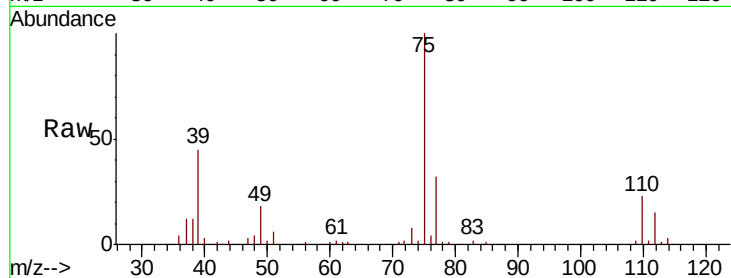


#39

cis-1,3-Dichloropropene
Concen: 4.162 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Instrument :
MSVOA_V
ClientSampleId :

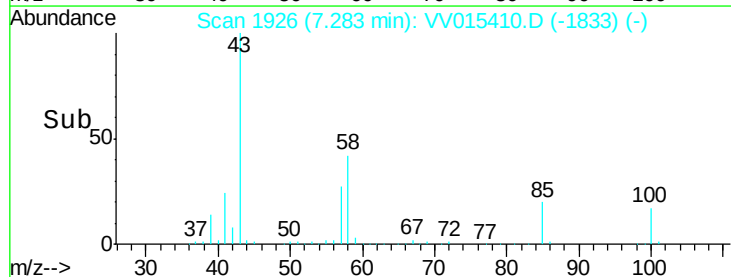
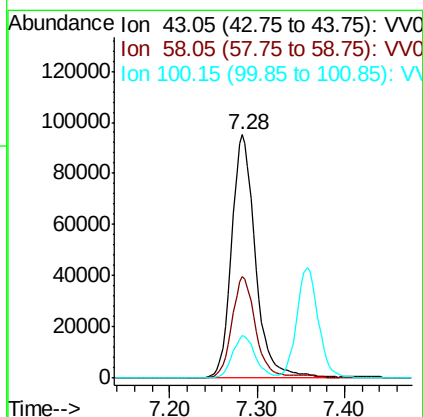
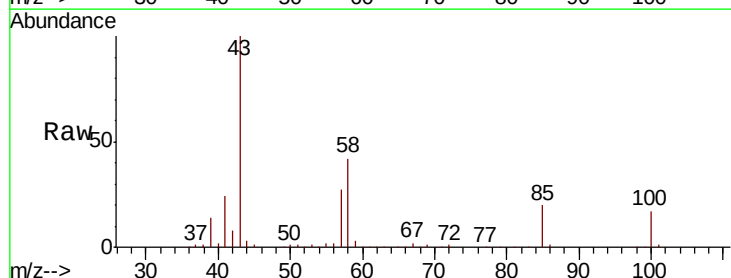
Tot Ion: 75 Resp: 50858
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1

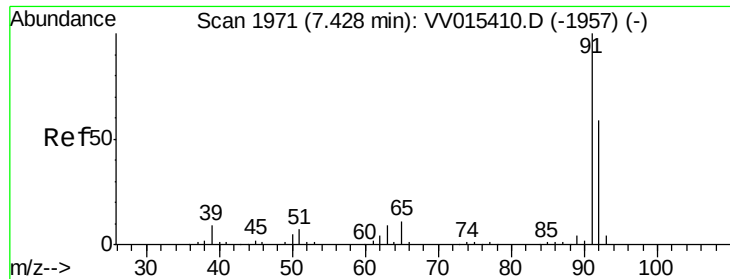


#40

4-Methyl-2-pentanone
Concen: 36.903 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Tgt Ion: 43 Resp: 179341
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.6
100 17.0 13.6 20.4





#42

Toluene

Concen: 4.513 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

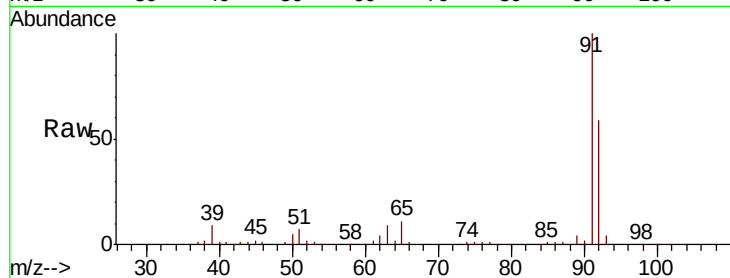
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 158887

Ion Ratio Lower Upper

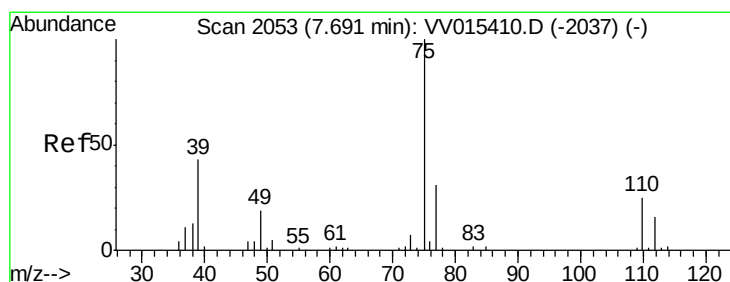
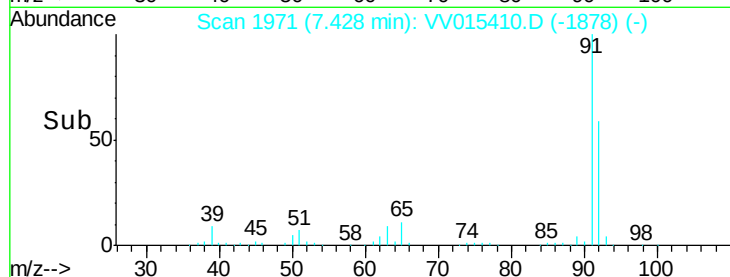
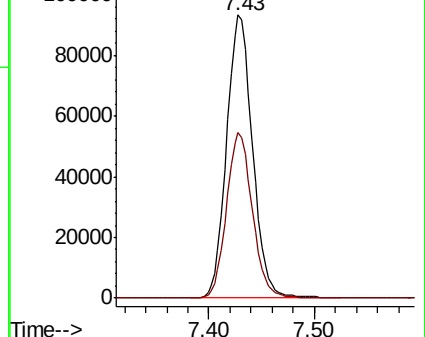
91 100

92 58.6 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: 4.460 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV015410.D

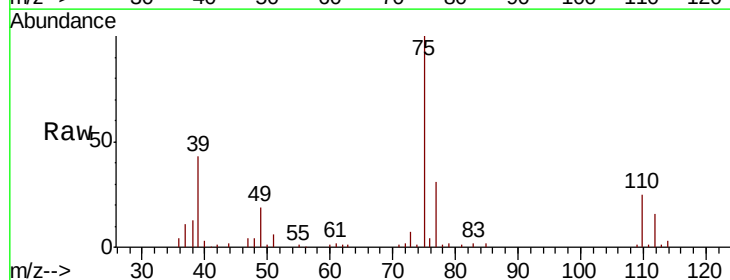
Acq: 06 Apr 2020 14:03

Tgt Ion: 75 Resp: 42491

Ion Ratio Lower Upper

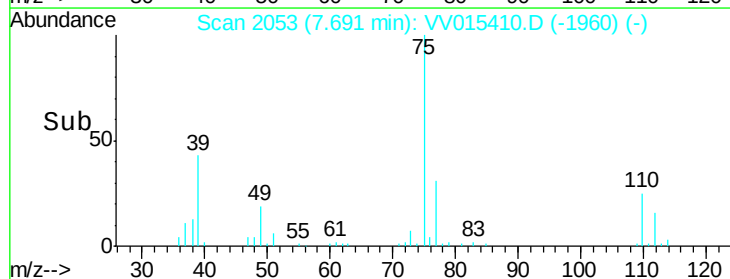
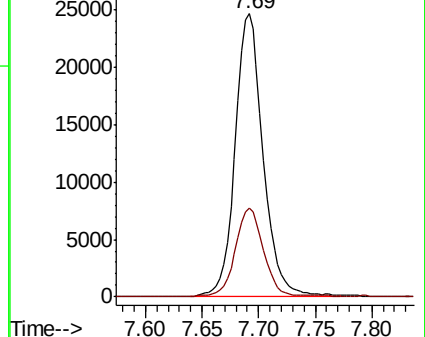
75 100

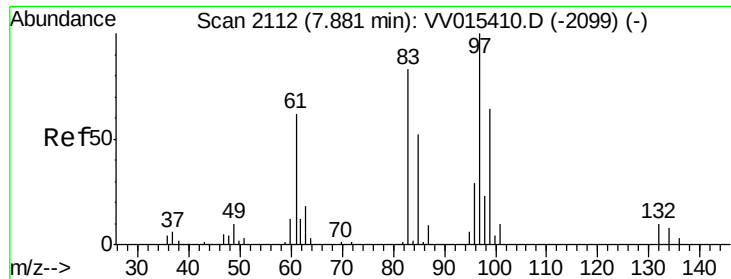
77 31.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

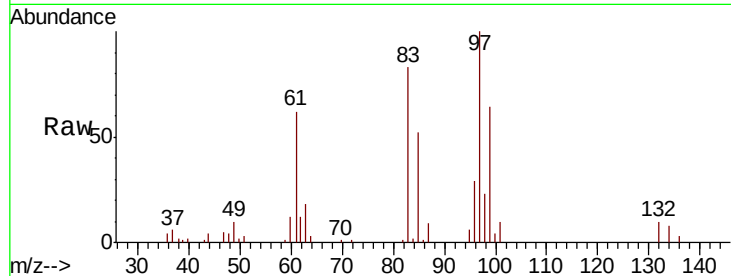




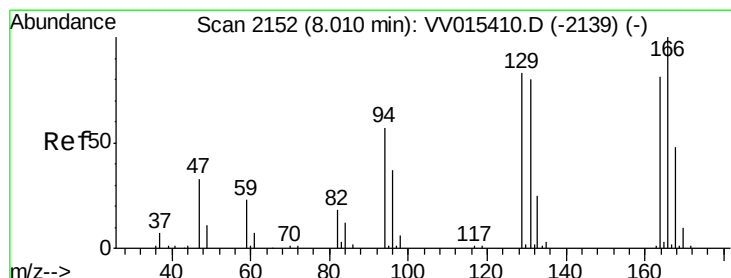
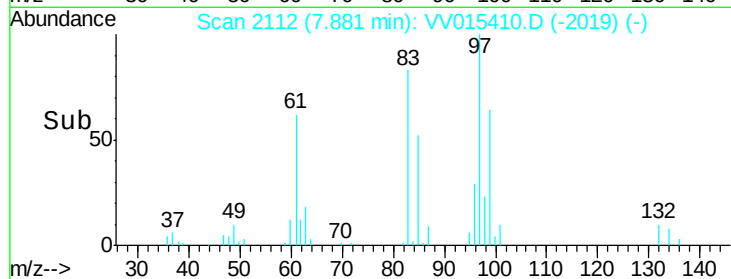
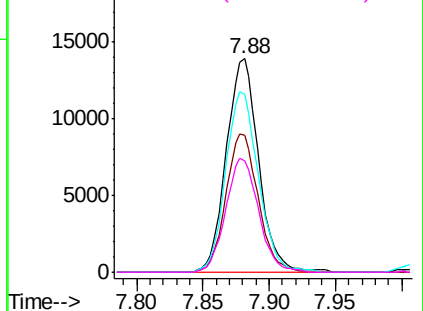
#45
 1,1,2-Trichloroethane
 Concen: 4.369 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	23684
Ion	Ratio	Lower	Upper
97	100		
99	64.1	44.9	83.3
83	83.3	58.3	108.3
85	52.3	36.6	68.0

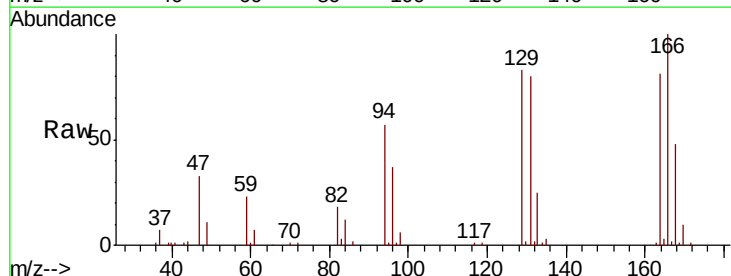


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

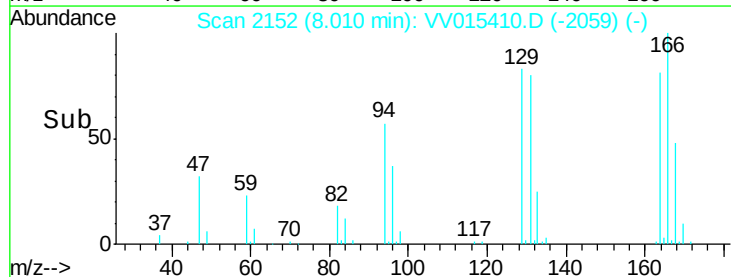
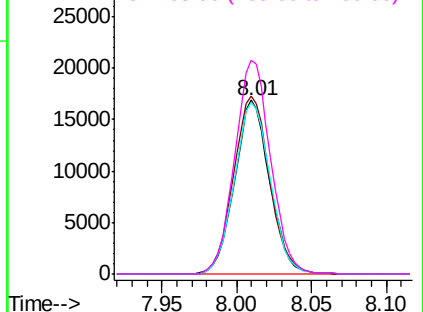


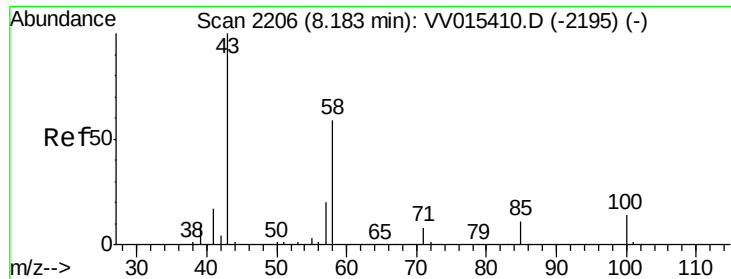
#47
 Tetrachloroethene
 Concen: 4.018 ug/L
 RT: 8.01 min Scan# 2152
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Tgt Ion:	164	Resp:	27579
Ion	Ratio	Lower	Upper
164	100		
129	102.3	71.6	133.0
131	98.7	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

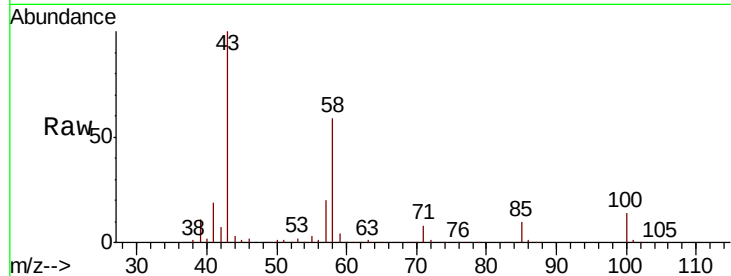




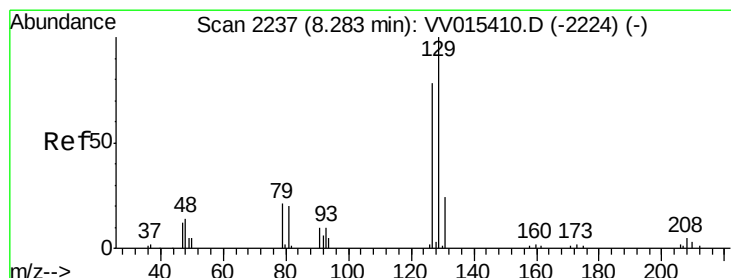
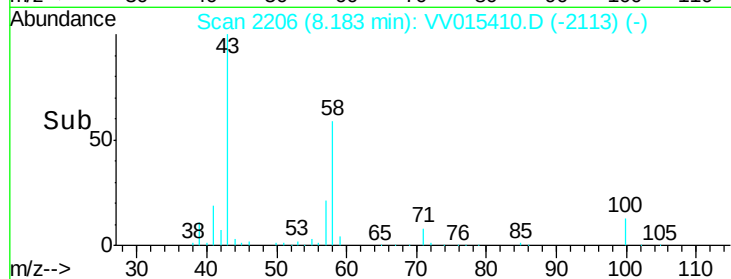
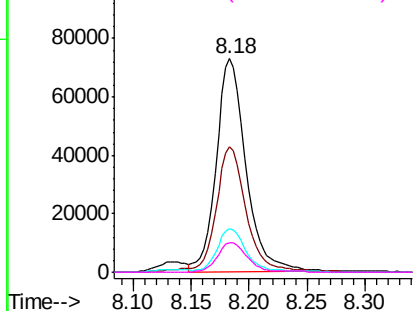
#48
2-Hexanone
Concen: 37.475 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 129683
Ion Ratio Lower Upper
43 100
58 61.2 49.0 73.4
57 20.1 16.1 24.1
100 14.4 11.5 17.3

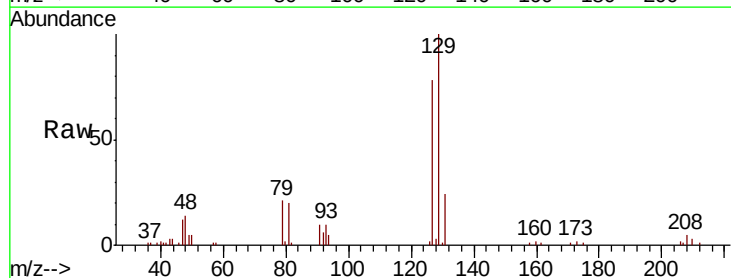


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

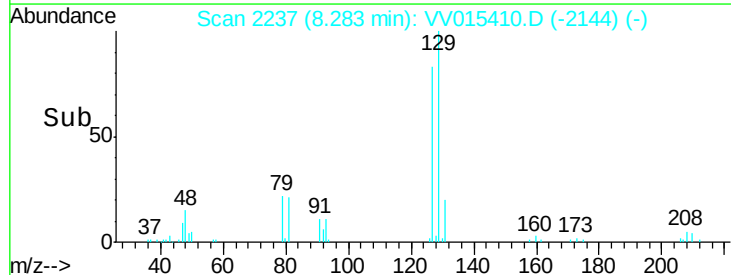
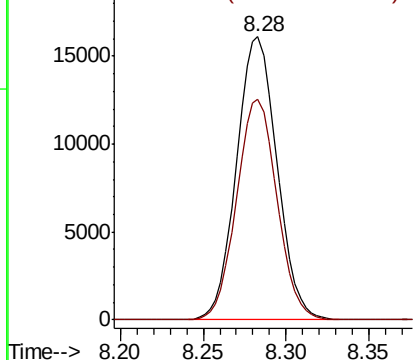


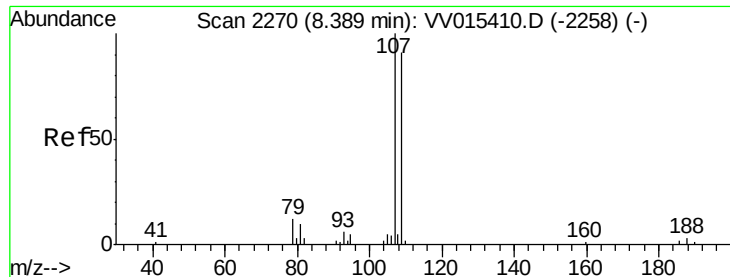
#49
Dibromochloromethane
Concen: 4.470 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Tgt Ion: 129 Resp: 27446
Ion Ratio Lower Upper
129 100
127 78.1 54.7 101.5



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

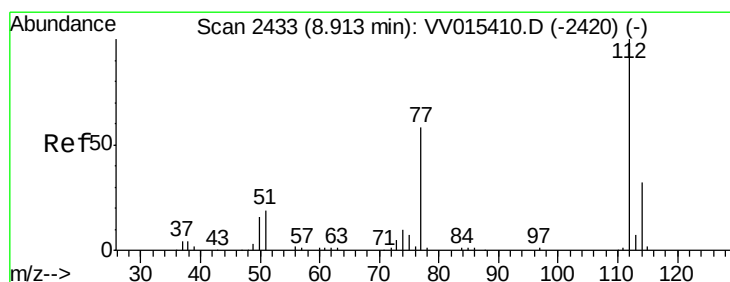
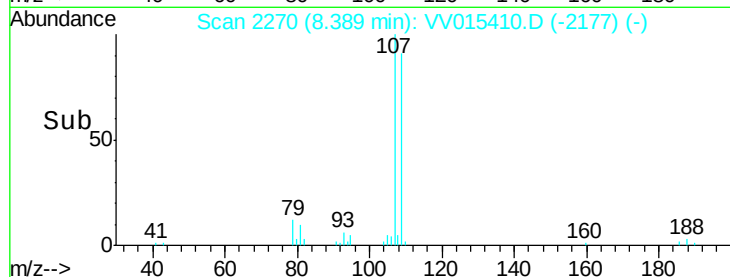
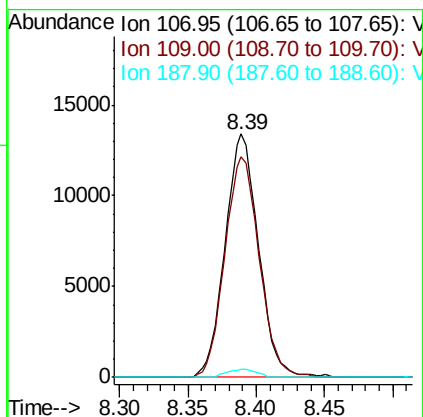
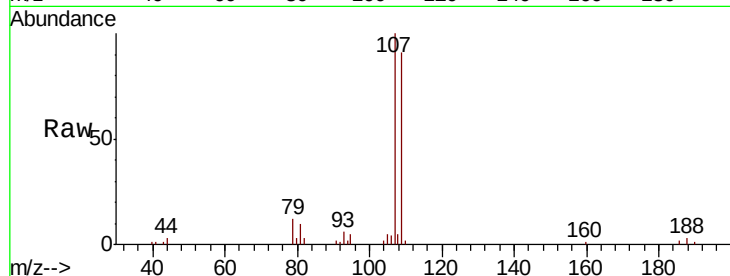




#50
1,2-Dibromoethane
Concen: 4.416 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

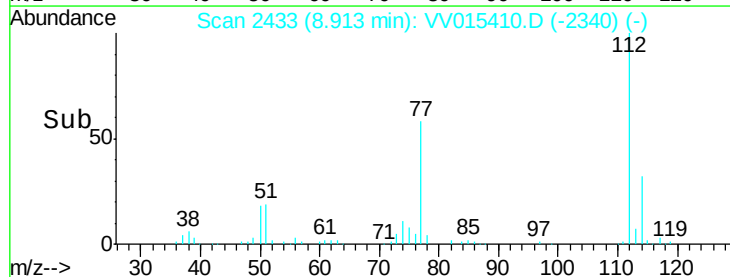
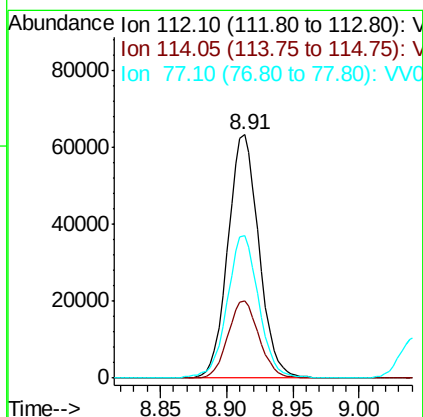
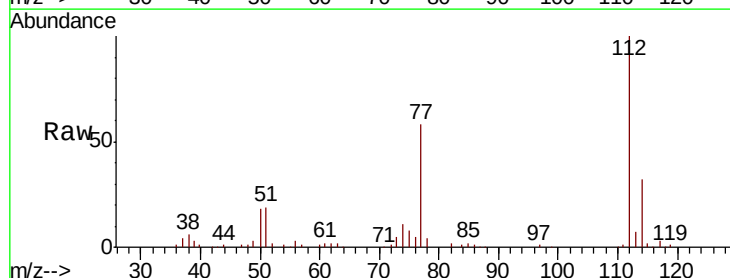
Instrument :
MSVOA_V
ClientSampleId :

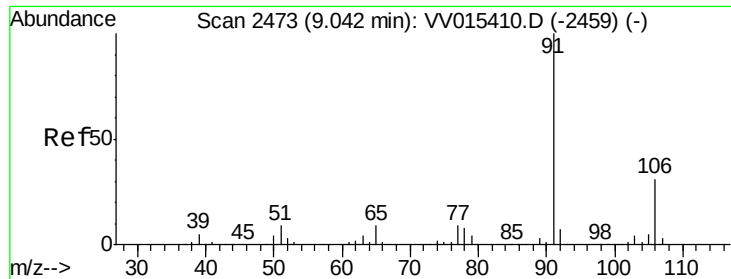
Tot Ion:107 Resp: 22870
Ion Ratio Lower Upper
107 100
109 90.7 63.5 117.9
188 3.3 2.6 4.0



#51
Chlorobenzene
Concen: 4.573 ug/L
RT: 8.91 min Scan# 2433
Delta R.T. 0.00 min
Lab File: VV015410.D
Acq: 06 Apr 2020 14:03

Tgt Ion:112 Resp: 102902
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 58.5 46.8 70.2





#52

Ethylbenzene

Concen: 4.617 ug/L

RT: 9.04 min Scan# 2473

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

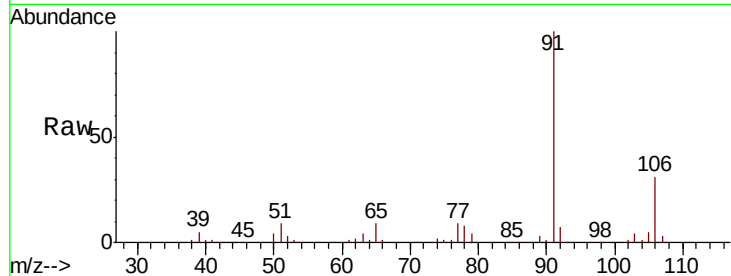
ClientSampled :

Tot Ion: 91 Resp: 185935

Ion Ratio Lower Upper

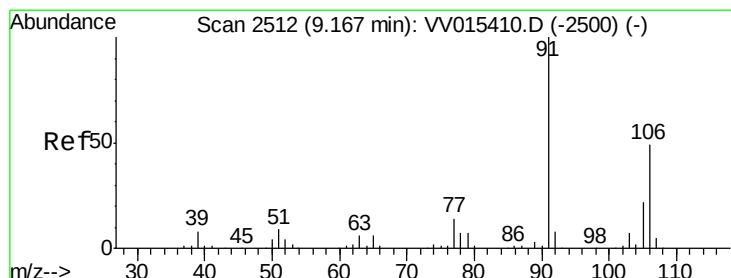
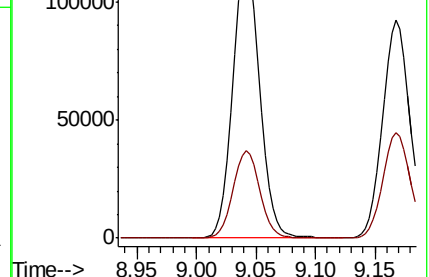
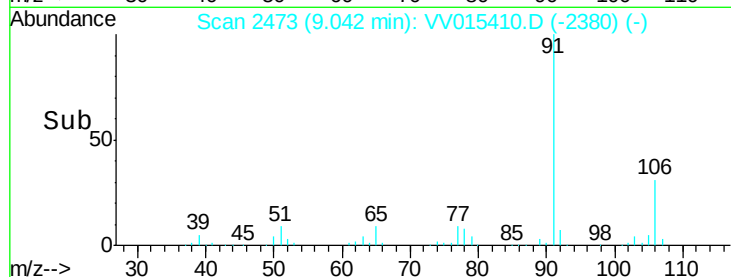
91 100

106 30.9 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV015410.D (-2459) (-)

Ion 106.15 (105.85 to 106.85): VV015410.D (-2459) (-)



#53

m,p-xylene

Concen: 4.869 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VV015410.D

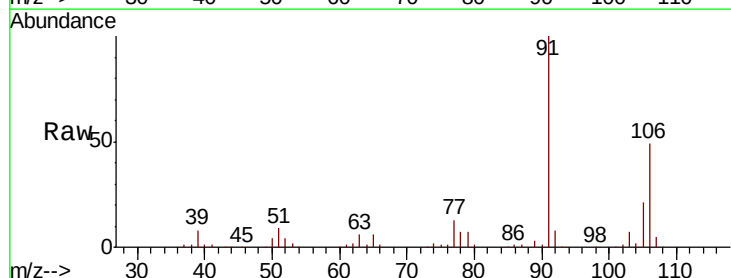
Acq: 06 Apr 2020 14:03

Tgt Ion: 106 Resp: 72501

Ion Ratio Lower Upper

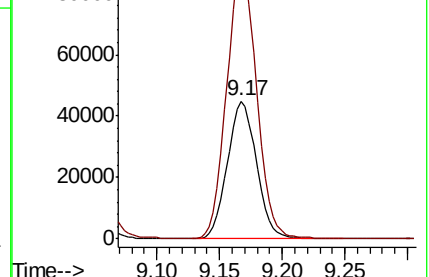
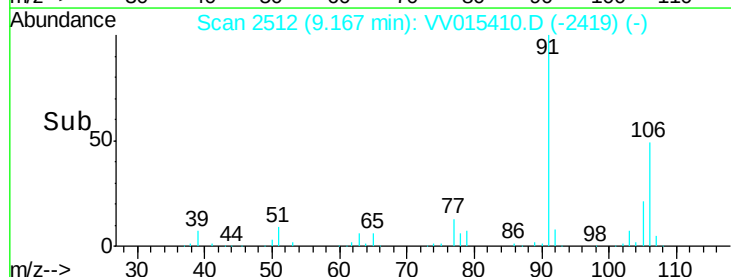
106 100

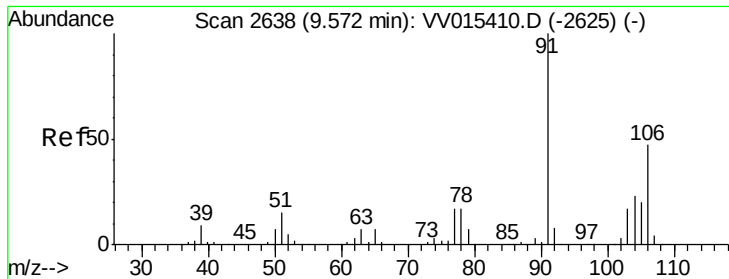
91 205.3 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VV015410.D (-2500) (-)

Ion 91.15 (90.85 to 91.85): VV015410.D (-2500) (-)





#54

o-xylene

Concen: 4.822 ug/L

RT: 9.57 min Scan# 2638

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

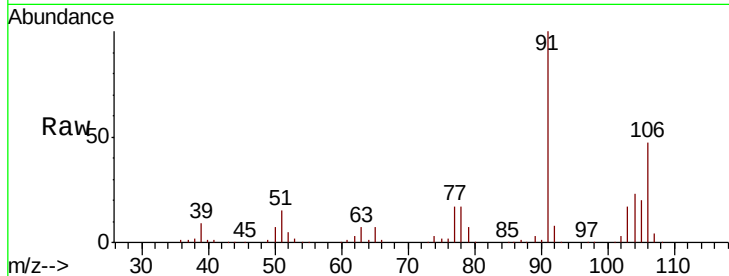
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 69730

Ion Ratio Lower Upper

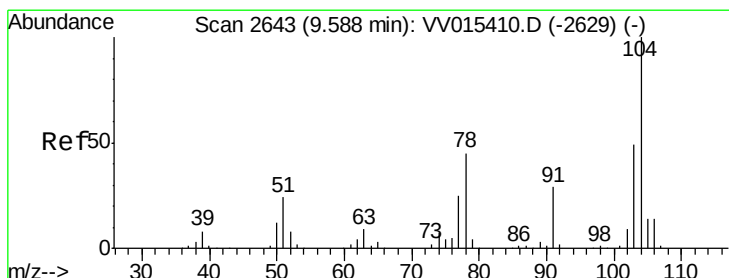
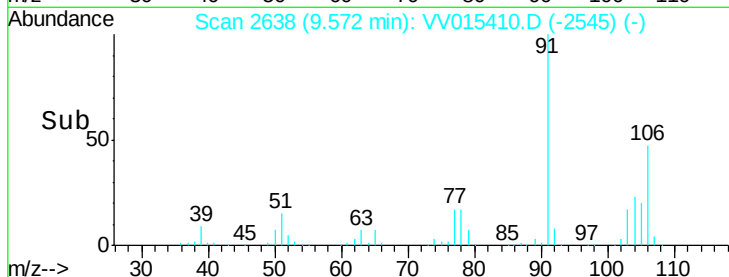
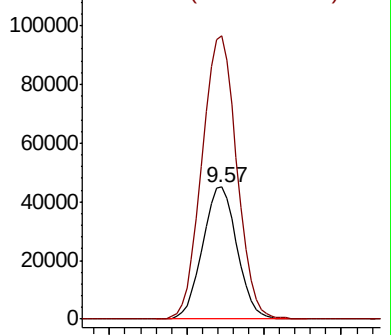
106 100

91 214.2 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.802 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV015410.D

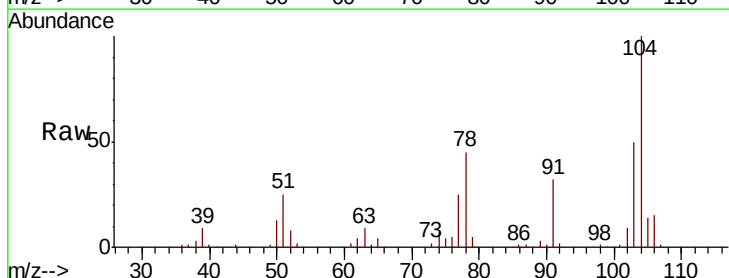
Acq: 06 Apr 2020 14:03

Tgt Ion:104 Resp: 116068

Ion Ratio Lower Upper

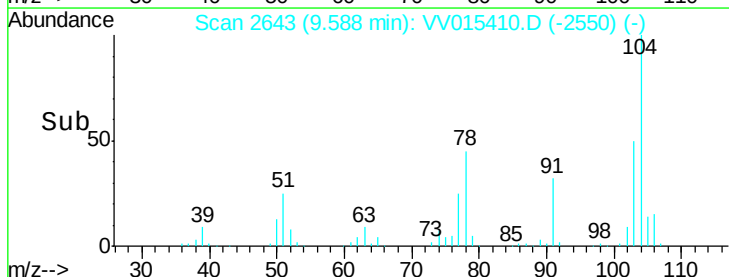
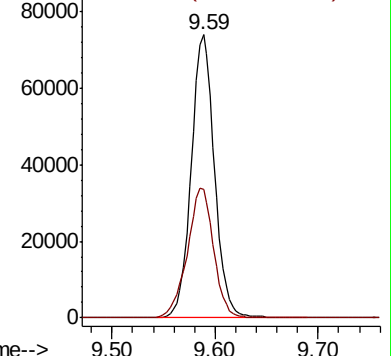
104 100

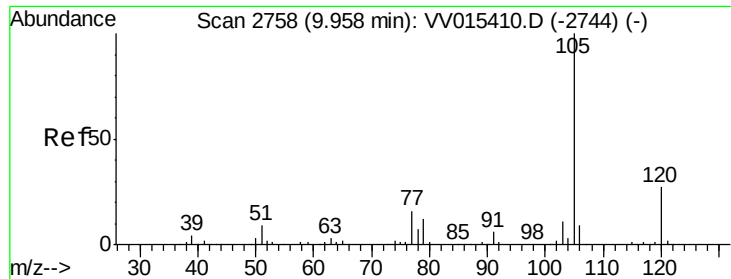
78 45.3 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.832 ug/L

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

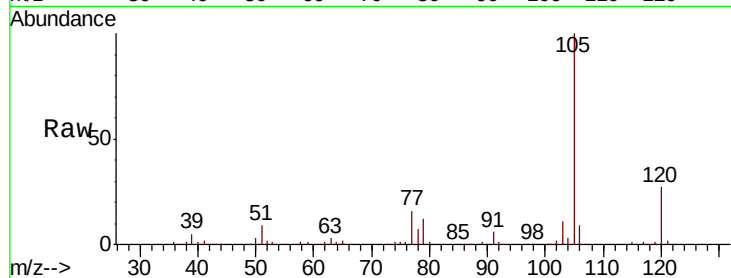
Tot Ion:105 Resp: 188698

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

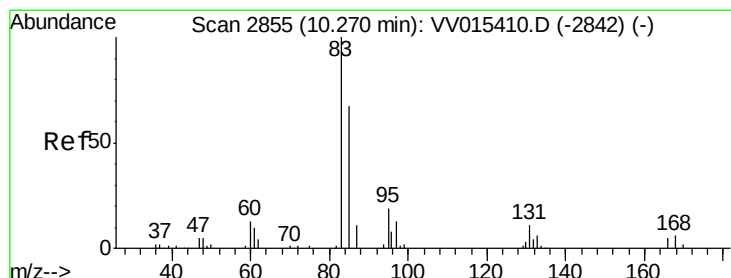
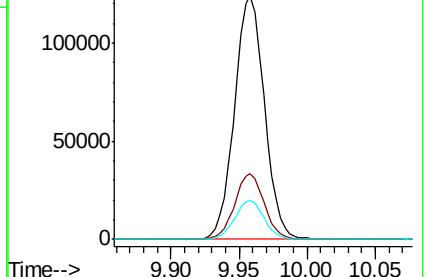
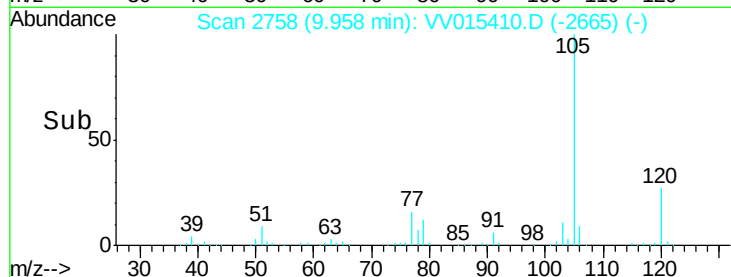
77 15.8 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV015410.D (-2744) (-)

Ion 120.10 (119.80 to 120.80): VV015410.D (-2744) (-)

Ion 77.10 (76.80 to 77.80): VV015410.D (-2744) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.108 ug/L

RT: 10.27 min Scan# 2855

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

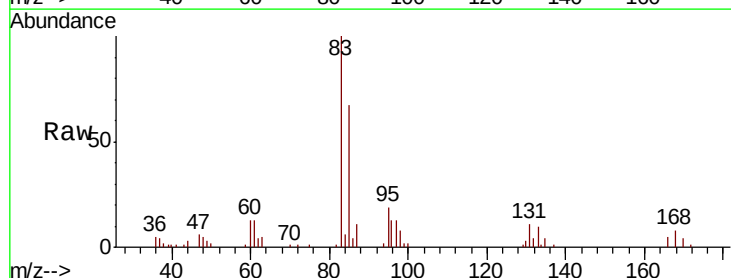
Tgt Ion: 83 Resp: 27435

Ion Ratio Lower Upper

83 100

85 66.7 46.7 86.7

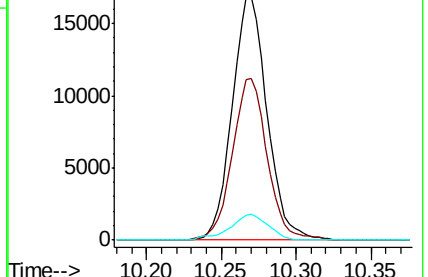
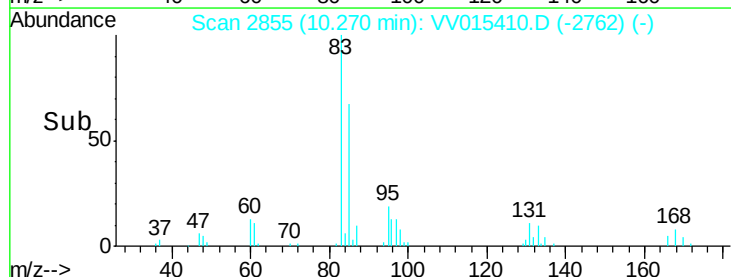
131 10.6 8.5 12.7

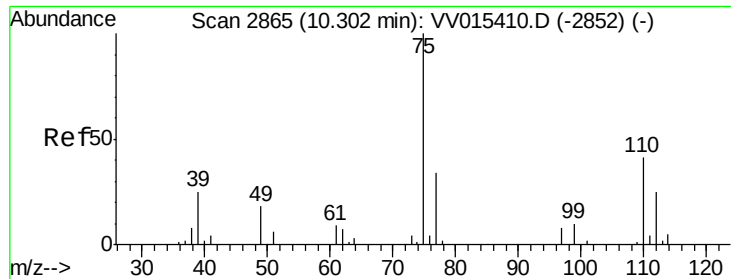


Abundance Ion 82.95 (82.65 to 83.65): VV015410.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV015410.D (-2842) (-)

Ion 130.95 (130.65 to 131.65): VV015410.D (-2842) (-)





#59

1,2,3-Trichloropropane

Concen: 4.119 ug/L

RT: 10.30 min Scan# 2865

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

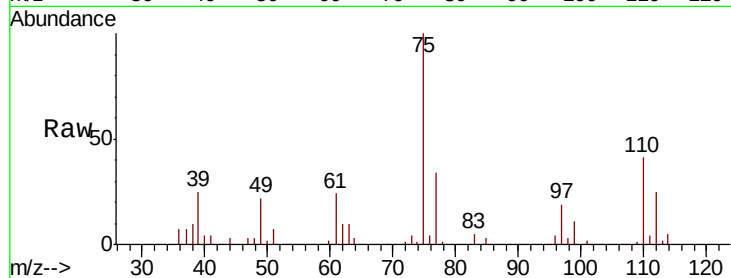
ClientSampleId :

Tot Ion: 75 Resp: 20159

Ion Ratio Lower Upper

75 100

77 34.6 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

15000

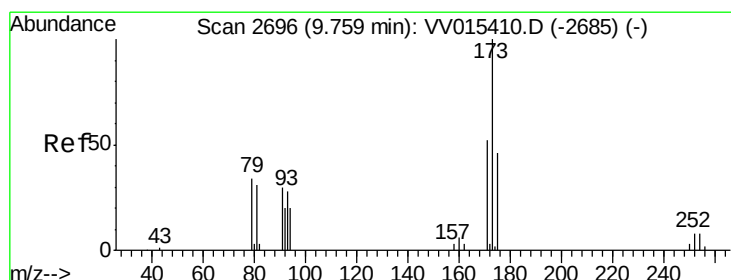
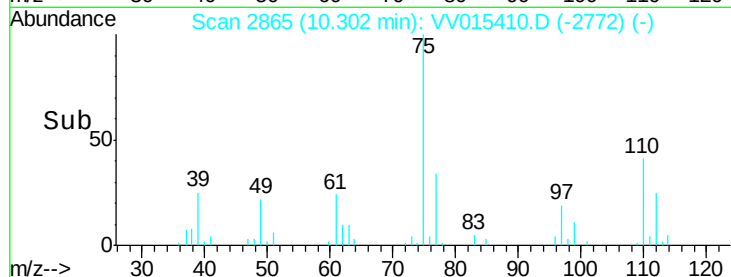
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 4.326 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

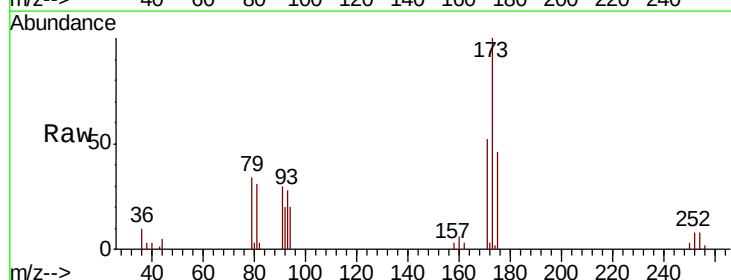
Tgt Ion: 173 Resp: 12805

Ion Ratio Lower Upper

173 100

175 47.3 37.8 56.8

254 6.8 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

10000

8000

6000

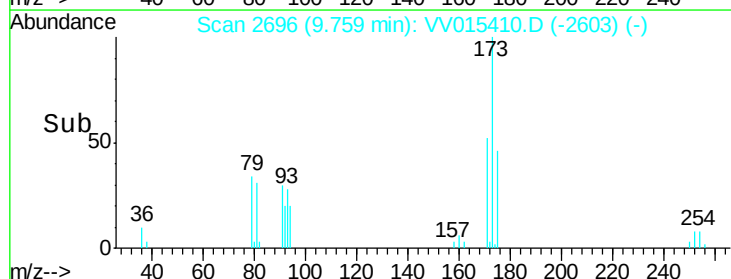
4000

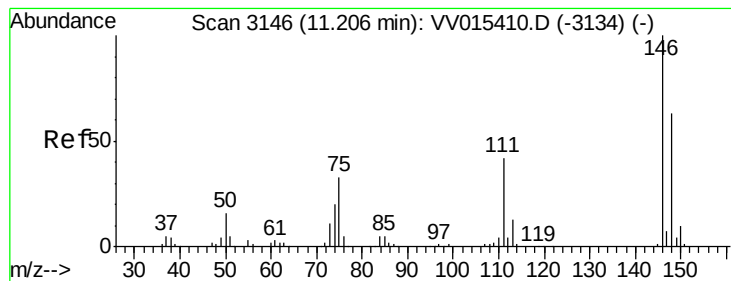
2000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 4.676 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

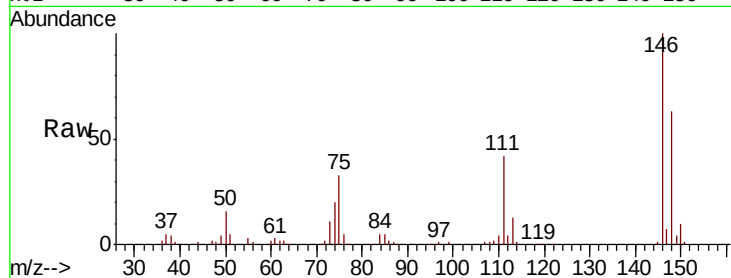
Tot Ion:146 Resp: 81776

Ion Ratio Lower Upper

146 100

111 41.6 29.1 54.1

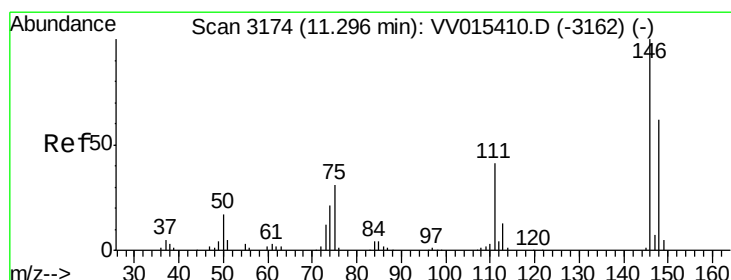
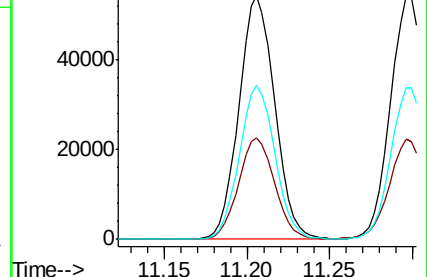
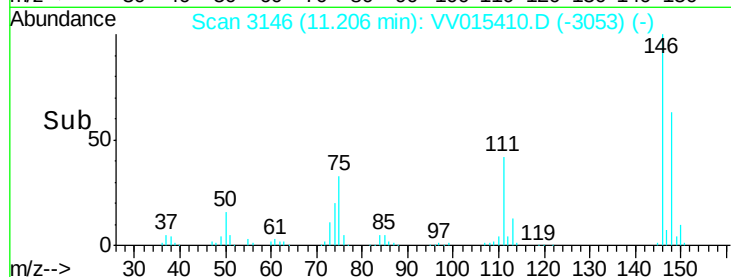
148 63.1 44.2 82.0



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: 4.591 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

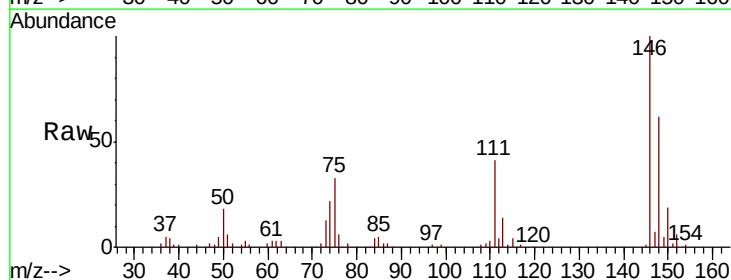
Tgt Ion:146 Resp: 82268

Ion Ratio Lower Upper

146 100

111 41.1 28.8 53.4

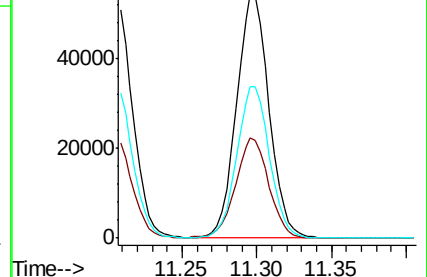
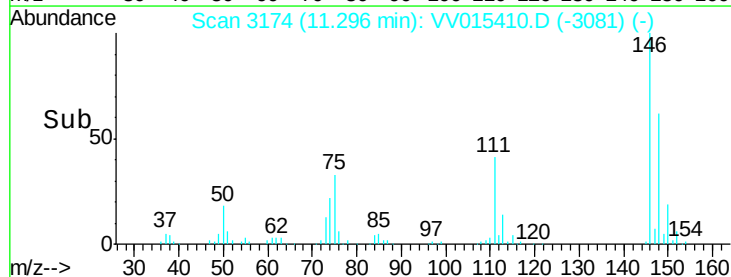
148 62.3 43.6 81.0

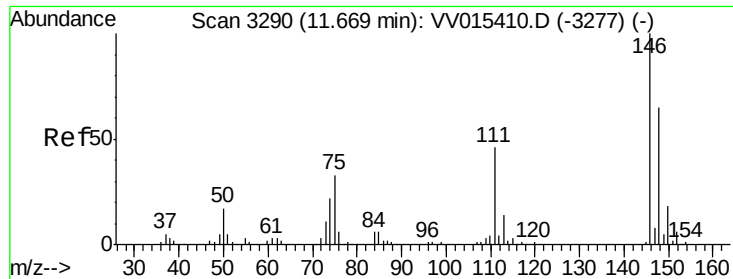


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

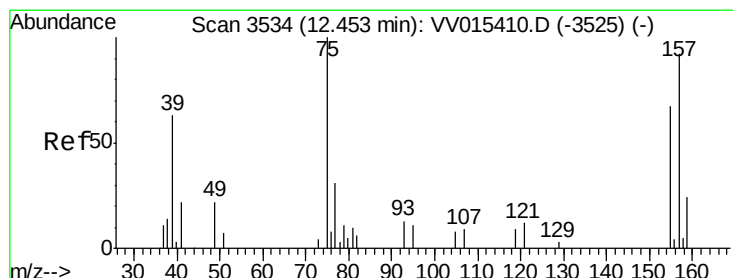
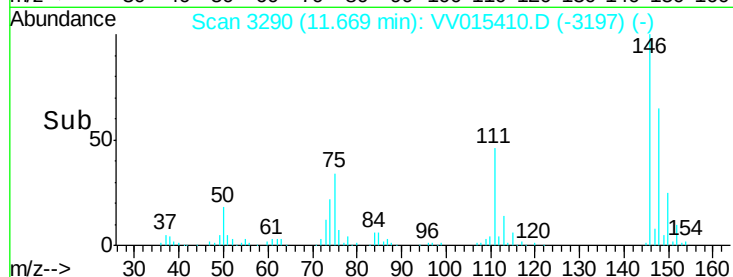
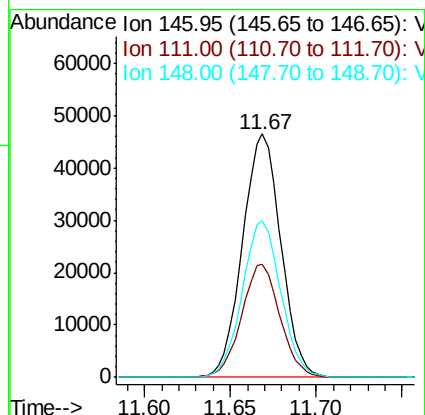
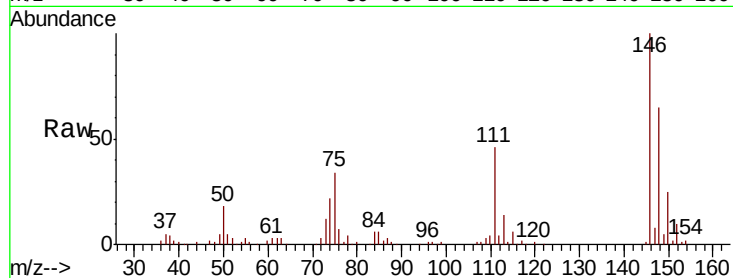




#65
 1,2-Dichlorobenzene
 Concen: 4.470 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

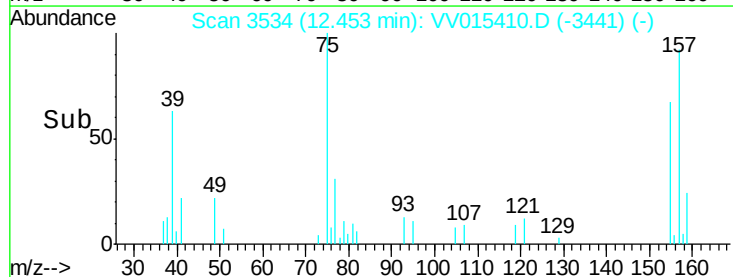
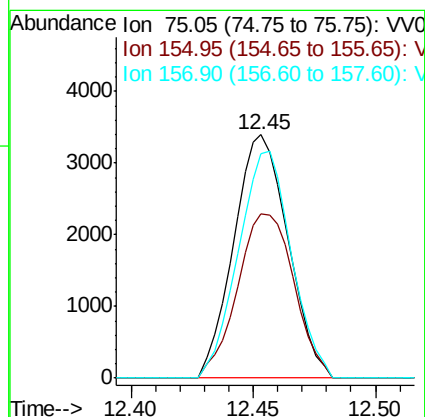
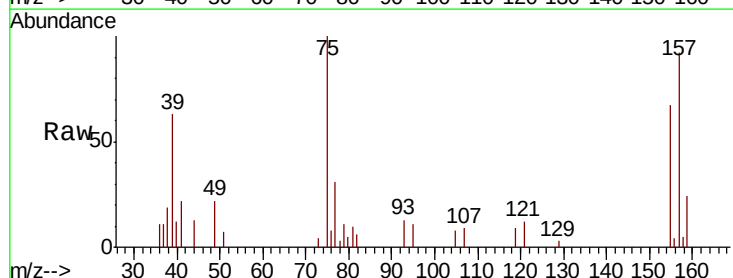
Instrument :
 MSVOA_V
 ClientSampleId :

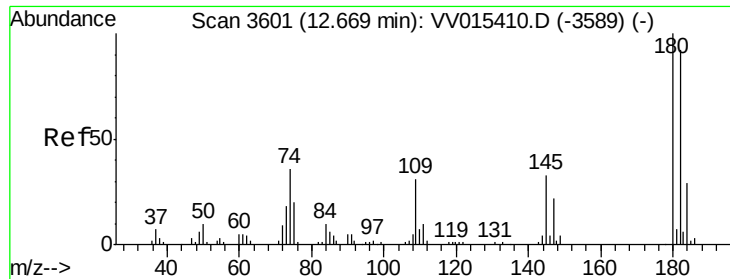
Tot Ion:146 Resp: 71890
 Ion Ratio Lower Upper
 146 100
 111 46.4 37.1 55.7
 148 64.5 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.787 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Tgt Ion: 75 Resp: 5233
 Ion Ratio Lower Upper
 75 100
 155 67.3 53.8 80.8
 157 92.4 73.9 110.9

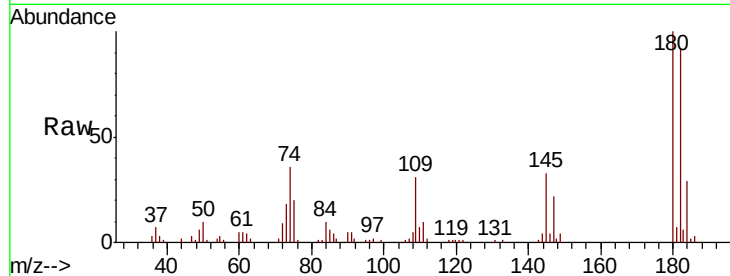




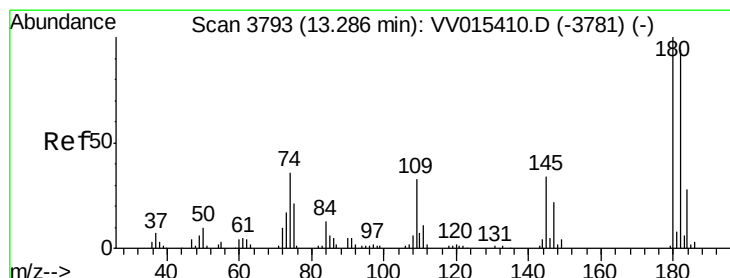
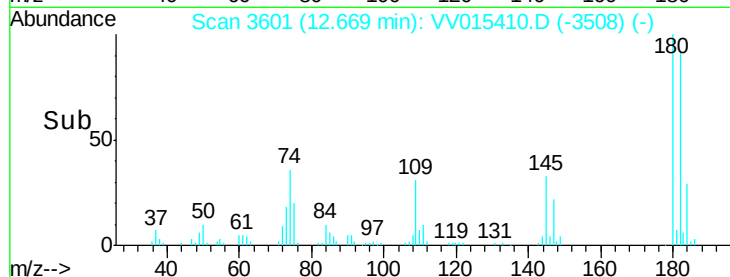
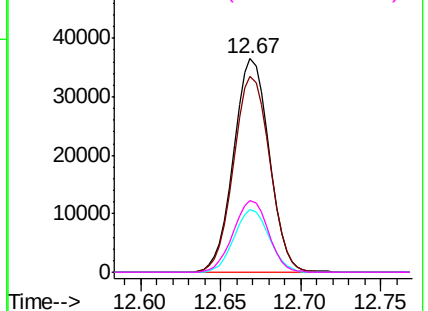
#67
 1,3,5-Trichlorobenzene
 Concen: 4.017 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 55230
 Ion Ratio Lower Upper
 180 100
 182 93.1 74.5 111.7
 184 28.7 23.0 34.4
 145 33.0 26.4 39.6

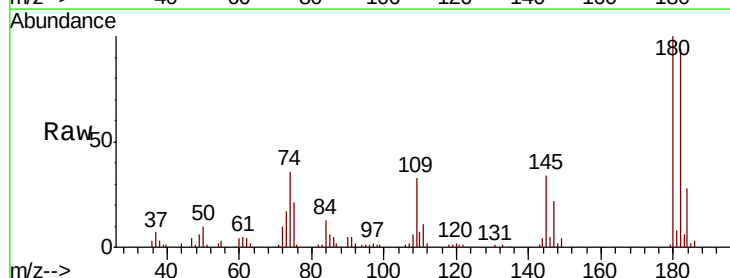


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

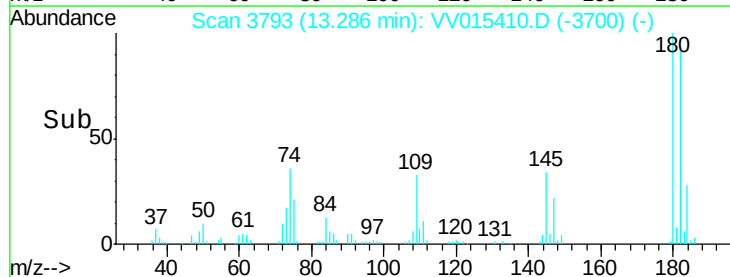
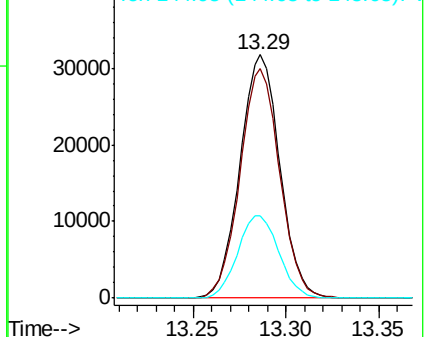


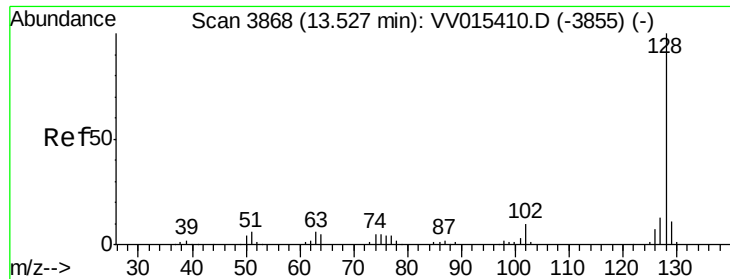
#68
 1,2,4-trichlorobenzene
 Concen: 4.001 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015410.D
 Acq: 06 Apr 2020 14:03

Tgt Ion:180 Resp: 47415
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 145 35.0 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: 4.882 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

Instrument :

MSVOA_V

ClientSampleId :

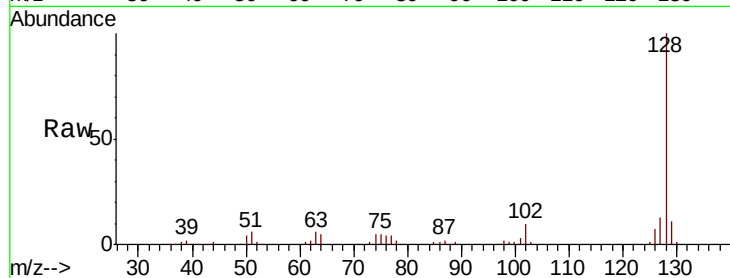
Tot Ion:128 Resp: 97642

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

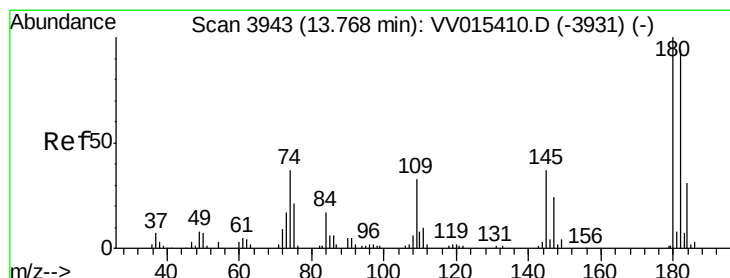
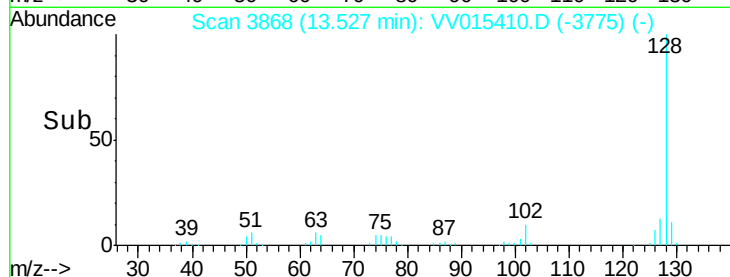
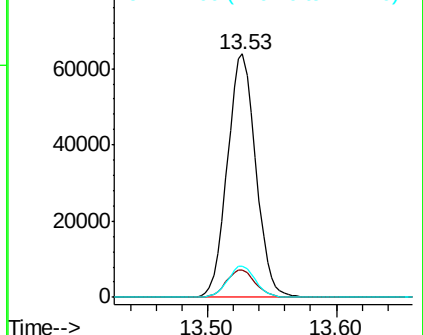
127 12.6 10.1 15.1



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: 3.969 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015410.D

Acq: 06 Apr 2020 14:03

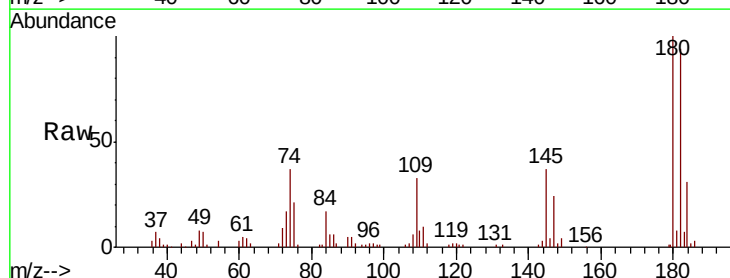
Tgt Ion:180 Resp: 41810

Ion Ratio Lower Upper

180 100

182 93.7 75.0 112.4

145 36.6 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

