

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041020\
 Data File : VV015455.D
 Acq On : 10 Apr 2020 16:15
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 11 04:51:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 11 04:49:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	116968	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	111827	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	58166	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39528	6.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	130.20%#
7) Chloroethane-d5	1.58	69	32375	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.12	63	72935	5.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.20%
20) 2-Butanone-d5	3.96	46	93058	54.61	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.22%
24) Chloroform-d	4.38	84	68521	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.06	65	38095	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.08	84	136988	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
36) 1,2-Dichloropropane-d6	6.10	67	41405	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.34	98	132365	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.80%
43) trans-1,3-Dichloropropene-	7.64	79	17845	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
46) 2-Hexanone-d5	8.12	63	76952	47.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30343	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	46338	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58104	5.019	ug/L 99
3) Chloromethane	1.25	50	54173	4.914	ug/L 98
5) Vinyl chloride	1.32	62	53382	5.028	ug/L 99
6) Bromomethane	1.53	94	30662	5.226	ug/L 98
8) Chloroethane	1.59	64	31302	5.084	ug/L 100
9) Trichlorofluoromethane	1.76	101	70421	5.185	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	38528	5.022	ug/L 98
12) 1,1-Dichloroethene	2.13	96	37086	5.051	ug/L 96
13) Acetone	2.25	43	66781	55.468	ug/L 94
14) Carbon disulfide	2.30	76	118971	4.648	ug/L 99
15) Methyl Acetate	2.47	43	17711	4.972	ug/L 97
16) Methylene chloride	2.52	84	43230	5.026	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	104074	5.303	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	41915	5.066	ug/L 98
19) 1,1-Dichloroethane	3.21	63	81423	5.220	ug/L 98
21) 2-Butanone	4.04	43	113769	58.476	ug/L # 71
22) cis-1,2-Dichloroethene	3.94	96	45070	5.246	ug/L 96

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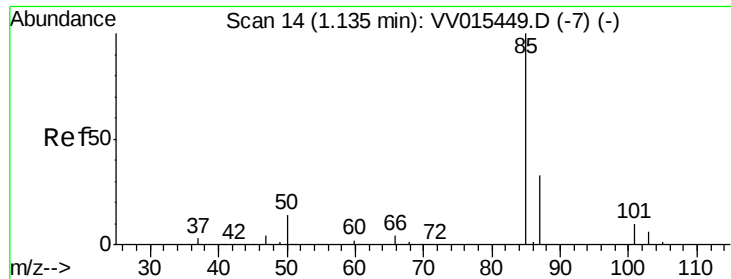
Instrument :
 MSVOA_V
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Quant Time: Apr 11 04:51:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.28	128	18174	5.085	ug/L	98
25) Chloroform	4.40	83	86319	5.408	ug/L	99
27) 1,2-Dichloroethane	5.16	62	53609	5.195	ug/L #	95
29) 1,1,1-Trichloroethane	4.63	97	76117	5.246	ug/L	98
30) Cyclohexane	4.70	56	76872	4.990	ug/L	98
31) Carbon tetrachloride	4.86	117	64135	5.079	ug/L	100
33) Benzene	5.13	78	174304	5.208	ug/L	100
34) Trichloroethene	5.94	95	46006	5.107	ug/L	97
35) Methylcyclohexane	6.15	83	75360	4.965	ug/L	99
37) 1,2-Dichloropropane	6.20	63	43069	5.188	ug/L	99
38) Bromodichloromethane	6.53	83	57615	5.205	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	65826	5.167	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	282721	51.867	ug/L	98
42) Toluene	7.41	91	189996	5.229	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	55925	5.192	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	28820	5.165	ug/L	94
47) Tetrachloroethene	8.00	164	34320	5.142	ug/L	99
48) 2-Hexanone	8.16	43	198424	52.099	ug/L	99
49) Dibromochloromethane	8.27	129	34950	5.229	ug/L	97
50) 1,2-Dibromoethane	8.38	107	27905	5.218	ug/L	99
51) Chlorobenzene	8.90	112	120543	5.204	ug/L	99
52) Ethylbenzene	9.03	91	220217	5.264	ug/L	99
53) m,p-xylene	9.16	106	82082	5.196	ug/L	99
54) o-xylene	9.57	106	79915	5.226	ug/L	99
55) Styrene	9.58	104	135493	5.272	ug/L	99
56) Isopropylbenzene	9.95	105	218903	5.222	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	36224	5.334	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	26864	5.234	ug/L	98
61) Bromoform	9.75	173	16630	4.875	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	96889	5.166	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	97357	5.102	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	86965	5.087	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6434	4.918	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	69553	5.133	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	61740	5.058	ug/L	98
69) Naphthalene	13.53	128	107792	4.687	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	53521	4.964	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.019 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

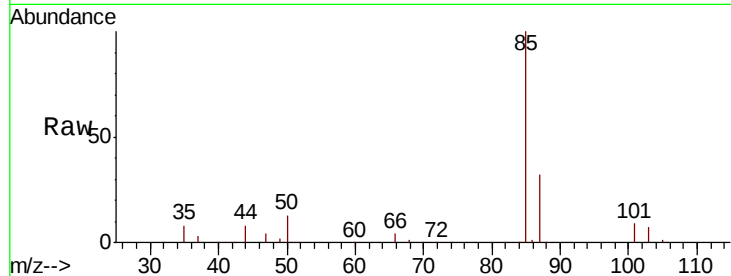
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 58104

Ion Ratio Lower Upper

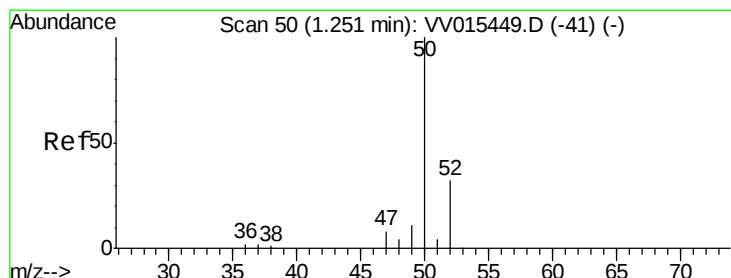
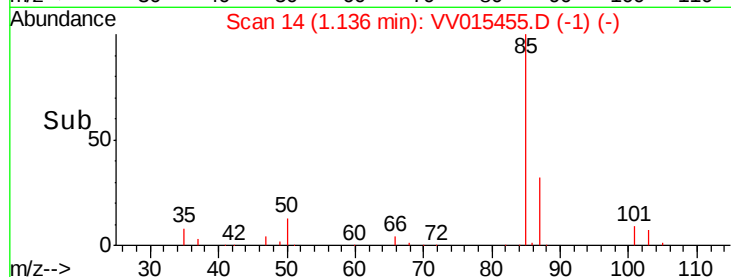
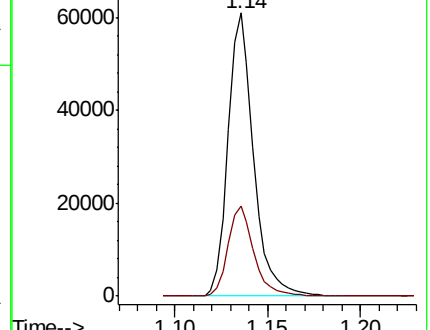
85 100

87 32.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.914 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015455.D

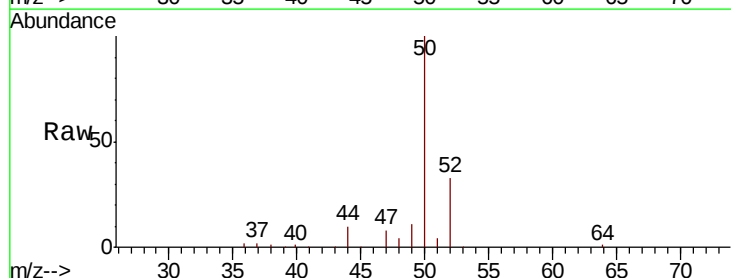
Acq: 10 Apr 2020 16:15

Tgt Ion: 50 Resp: 54173

Ion Ratio Lower Upper

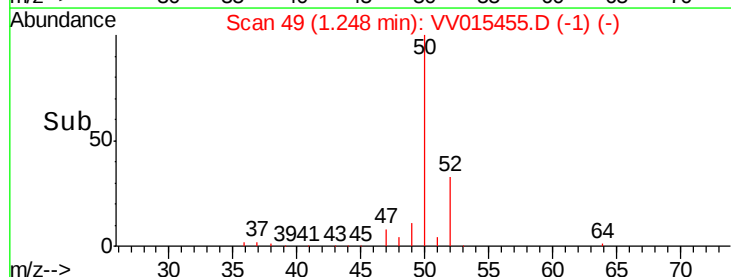
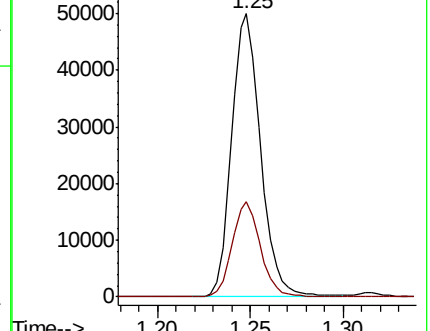
50 100

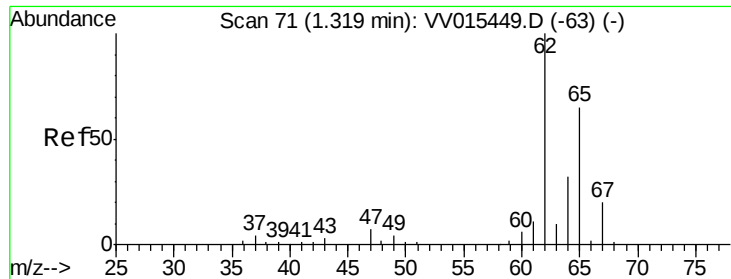
52 33.4 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.028 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

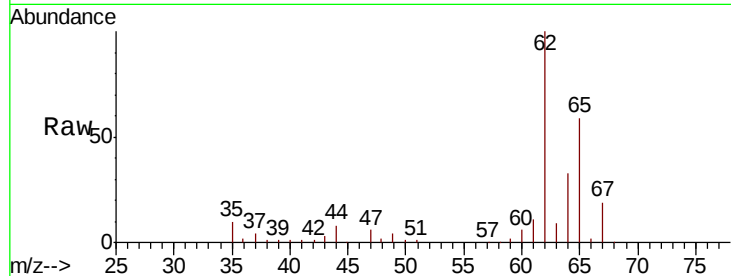
ClientSampled :

Tot Ion: 62 Resp: 53382

Ion Ratio Lower Upper

62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

50000

40000

30000

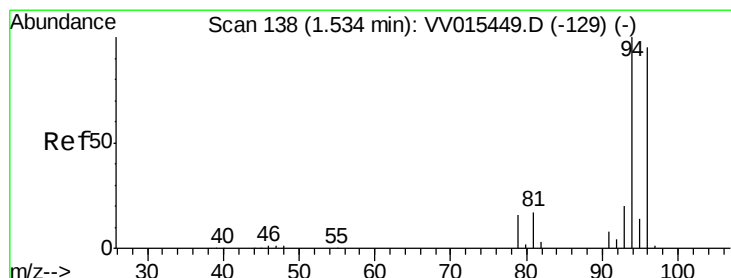
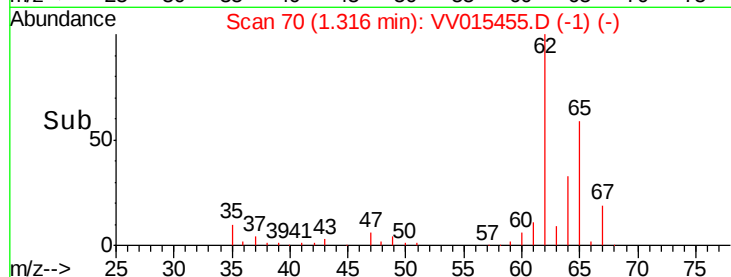
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.226 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV015455.D

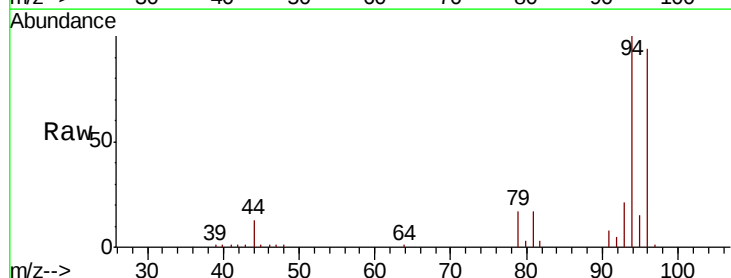
Acq: 10 Apr 2020 16:15

Tgt Ion: 94 Resp: 30662

Ion Ratio Lower Upper

94 100

96 94.1 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

25000

20000

15000

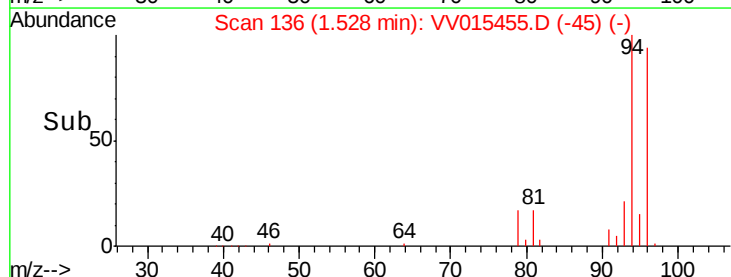
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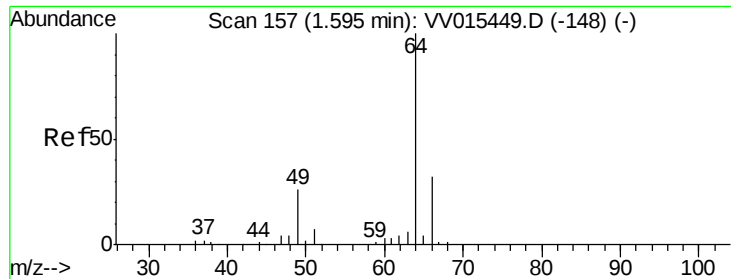
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.084 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

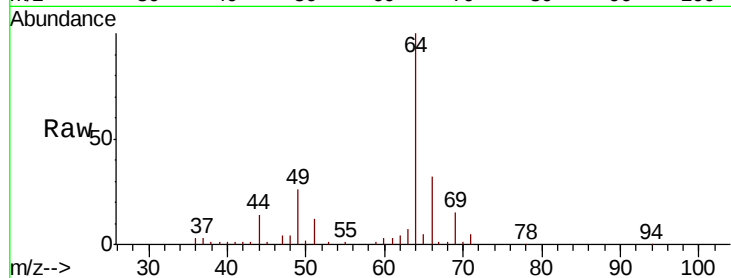
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 31302

Ion Ratio Lower Upper

64 100

66 31.6 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015449.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015449.D (-148) (-)

1.59

30000

25000

20000

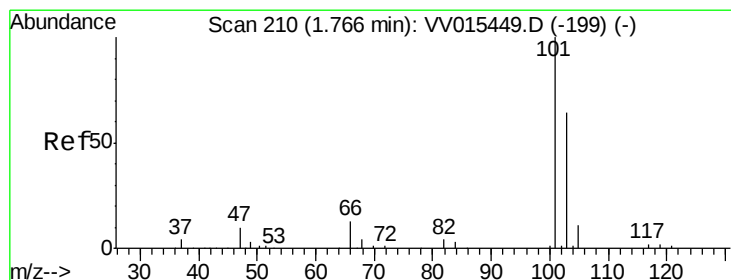
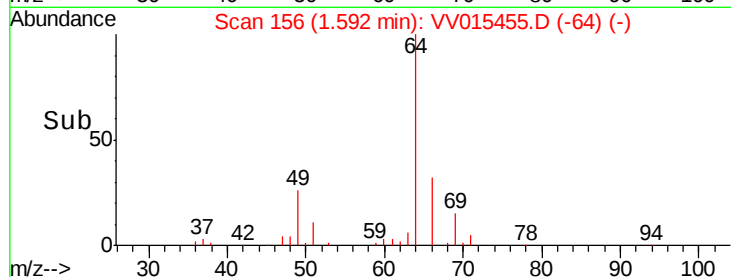
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.185 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV015455.D

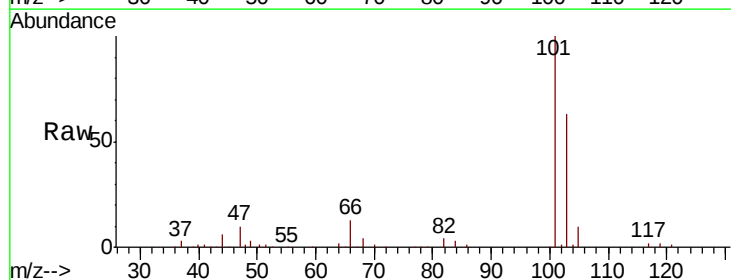
Acq: 10 Apr 2020 16:15

Tgt Ion:101 Resp: 70421

Ion Ratio Lower Upper

101 100

103 64.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015449.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015449.D (-199) (-)

1.76

60000

50000

40000

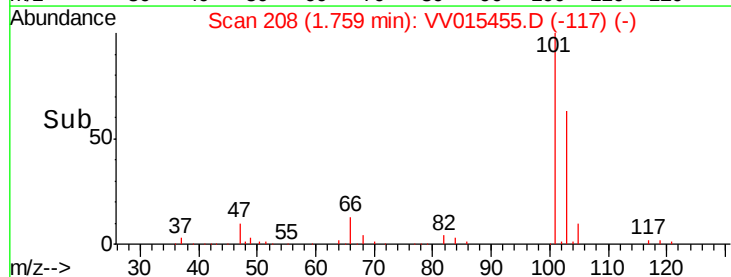
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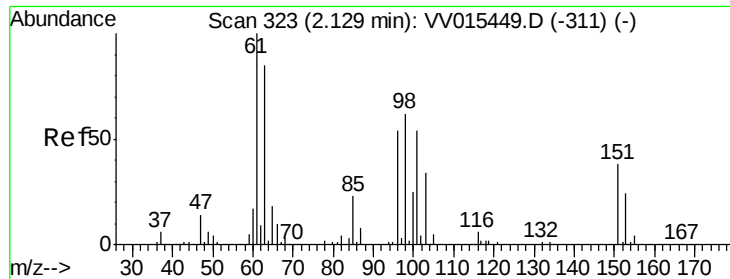
20000

10000

0

Time-->





#10

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

Concen: 5.022 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

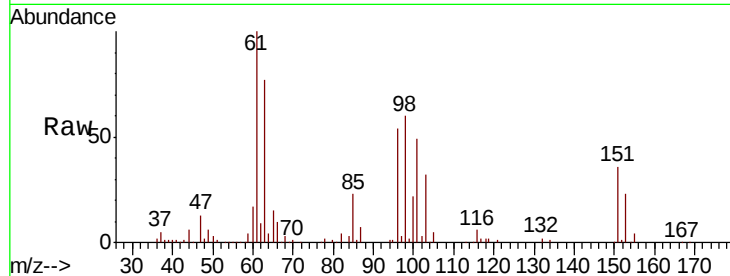
Tot Ion:101 Resp: 38528

Ion Ratio Lower Upper

101 100

85 46.4 36.3 54.5

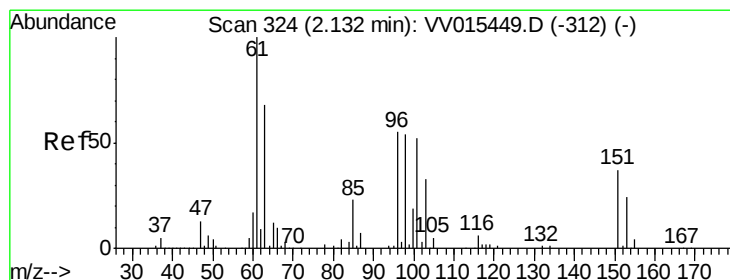
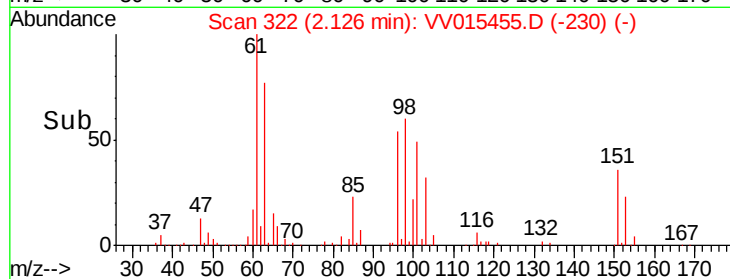
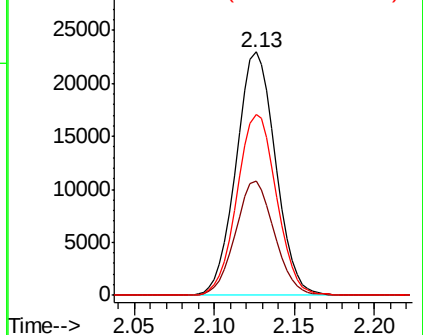
151 74.7 58.2 87.4



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: 5.051 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

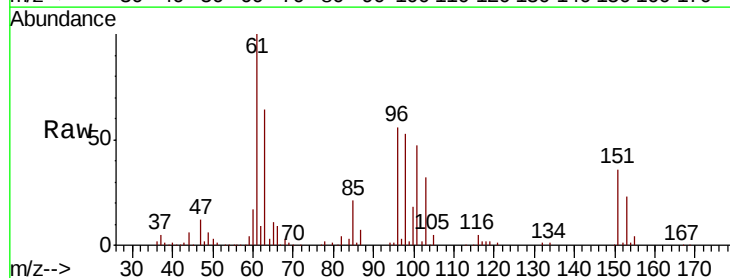
Tgt Ion: 96 Resp: 37086

Ion Ratio Lower Upper

96 100

61 179.1 127.7 237.1

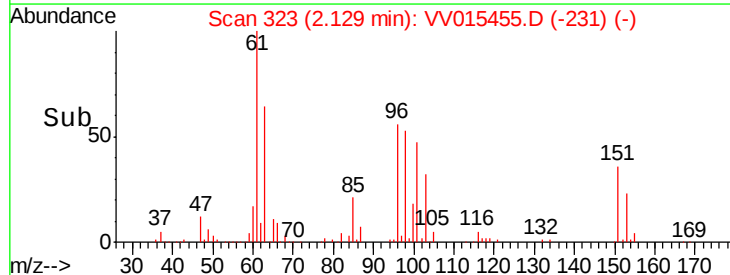
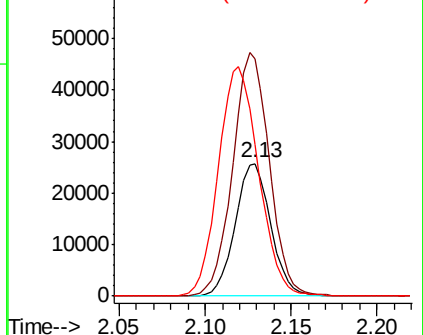
63 114.3 75.1 139.5

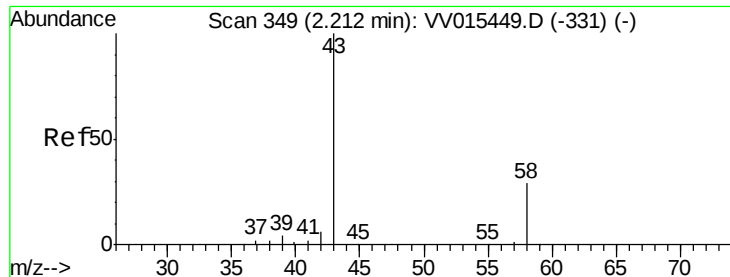


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 55.468 ug/L

RT: 2.25 min Scan# 361

Delta R.T. 0.04 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

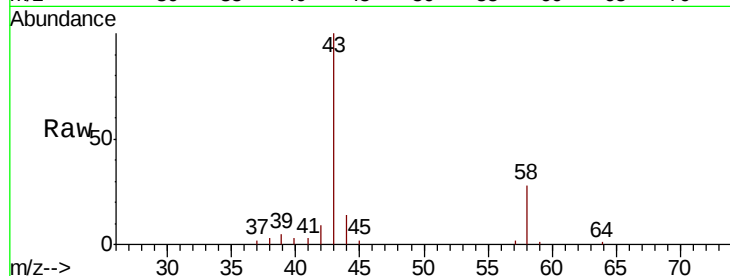
ClientSampleId :

Tot Ion: 43 Resp: 66781

Ion Ratio Lower Upper

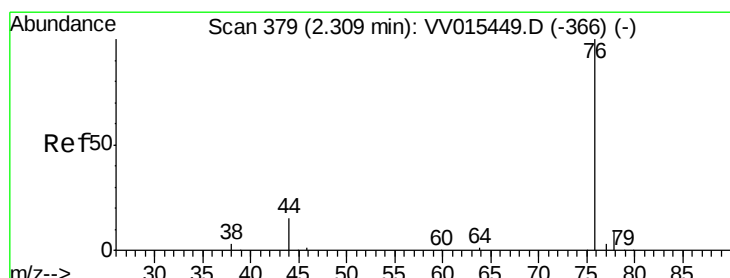
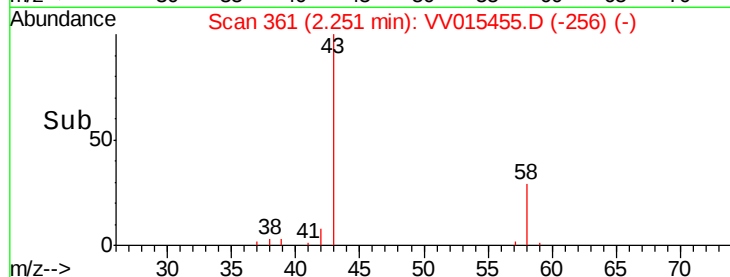
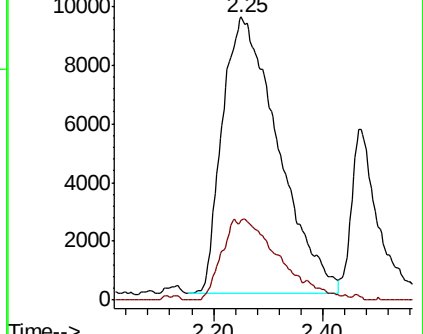
43 100

58 8.9 0.0 22.2



Abundance Ion 43.05 (42.75 to 43.75): VV015449.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV015449.D (-331) (-)



#14

Carbon disulfide

Concen: 4.648 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV015455.D

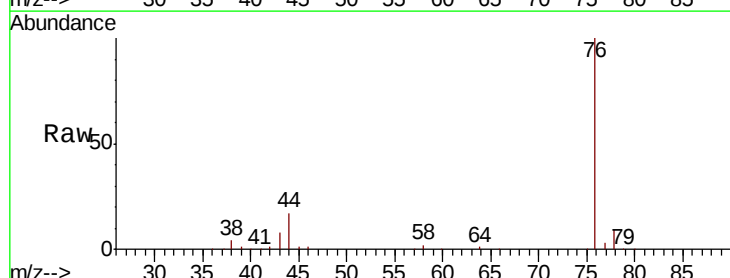
Acq: 10 Apr 2020 16:15

Tgt Ion: 76 Resp: 118971

Ion Ratio Lower Upper

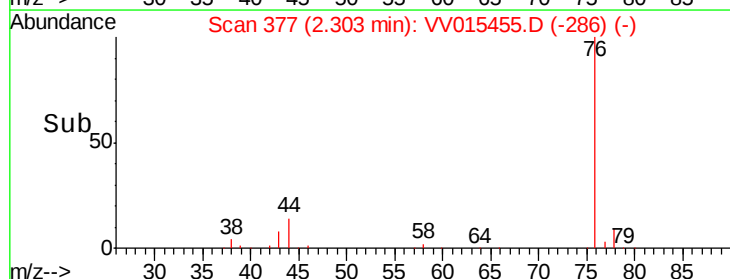
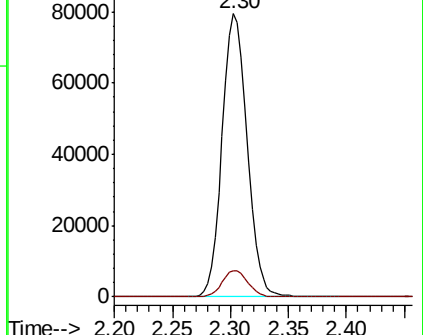
76 100

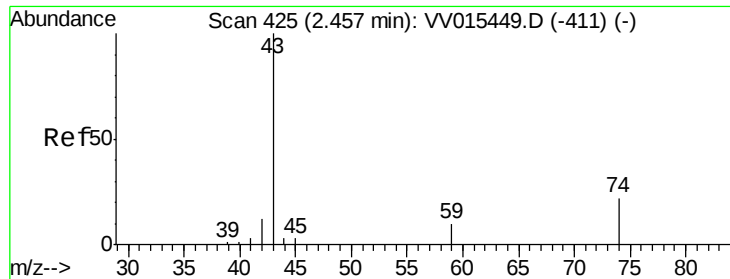
78 9.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015449.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV015449.D (-366) (-)

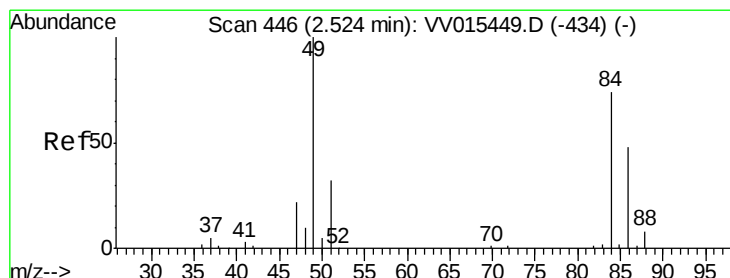
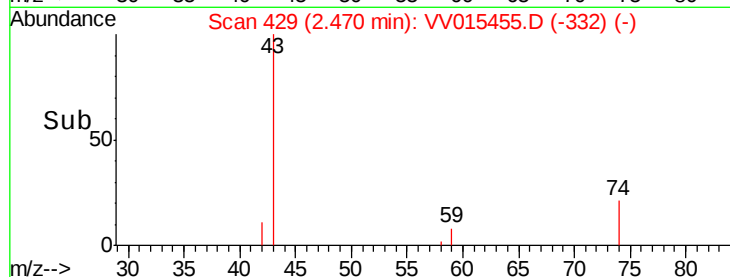
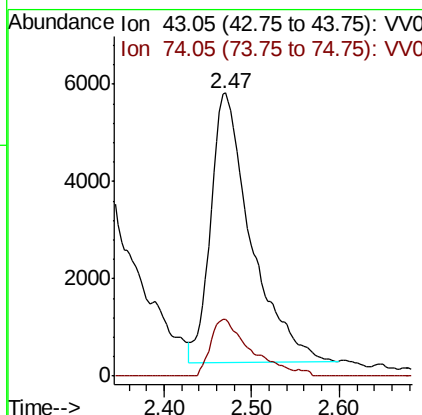
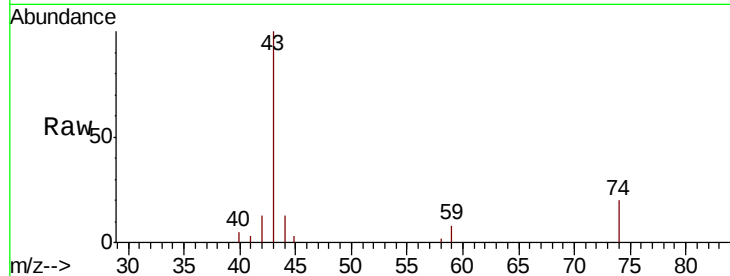




#15
Methyl Acetate
Concen: 4.972 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

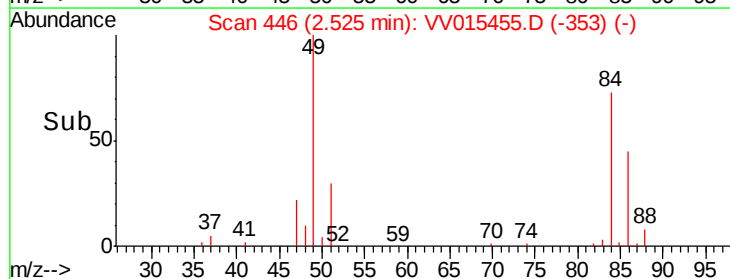
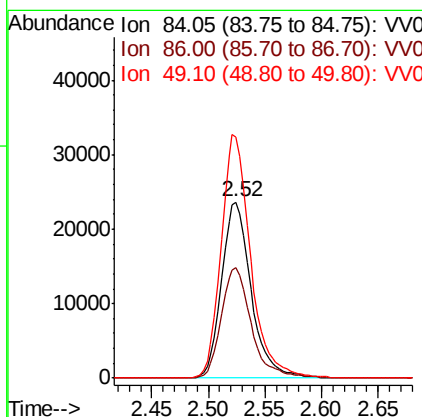
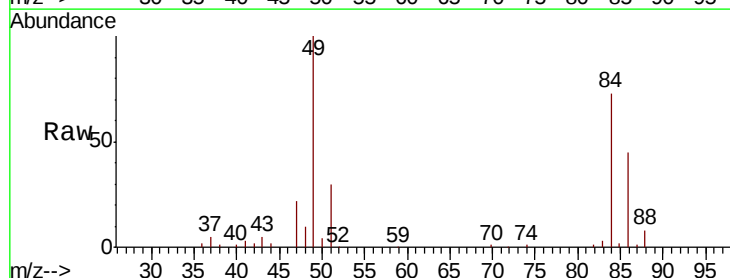
Instrument :
MSVOA_V
ClientSampleId :

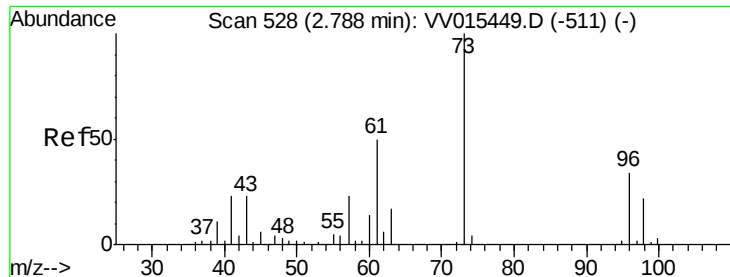
Tot Ion: 43 Resp: 17711
Ion Ratio Lower Upper
43 100
74 20.8 15.4 23.2



#16
Methylene chloride
Concen: 5.026 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Tgt Ion: 84 Resp: 43230
Ion Ratio Lower Upper
84 100
86 62.5 45.1 83.7
49 137.3 97.9 181.7



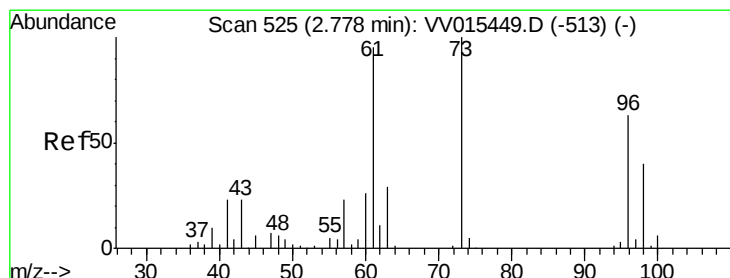
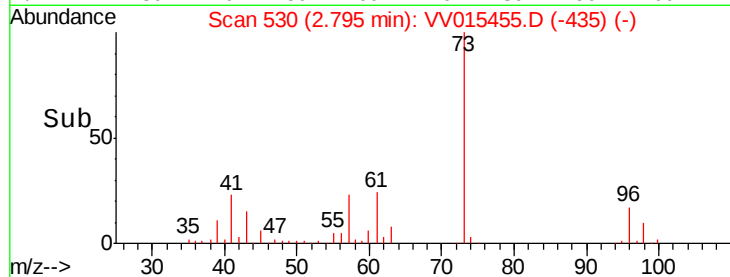
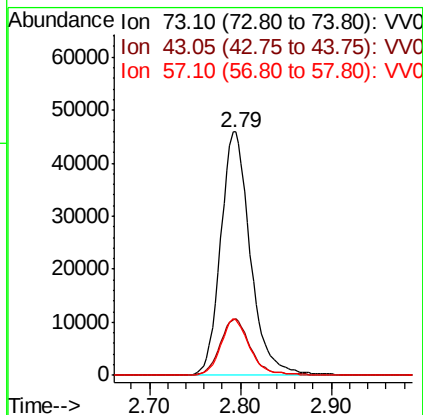
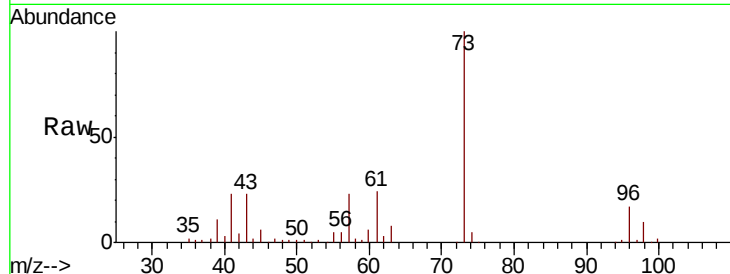


#17

Methvl tert-butvl Ether
 Concen: 5.303 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :

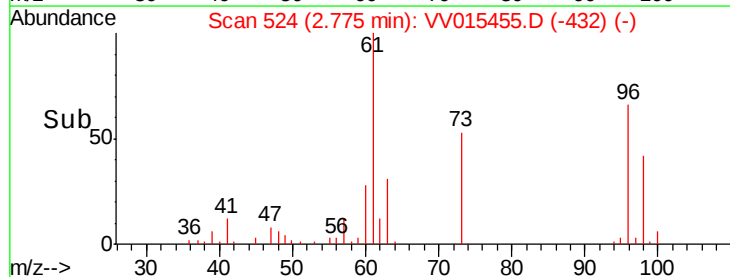
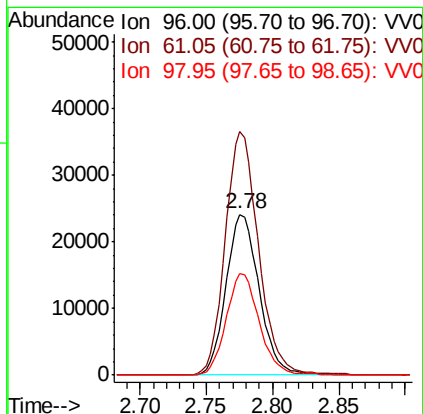
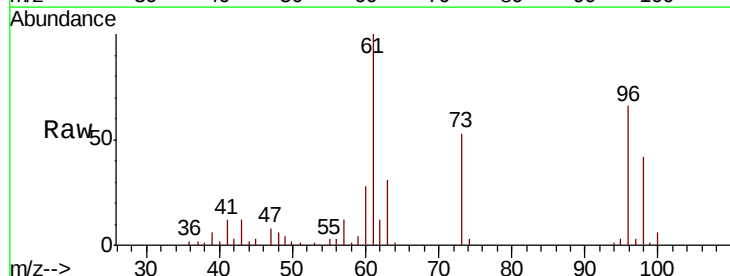
Tot Ion: 73 Resp: 104074
 Ion Ratio Lower Upper
 73 100
 43 23.8 18.3 27.5
 57 22.6 18.4 27.6

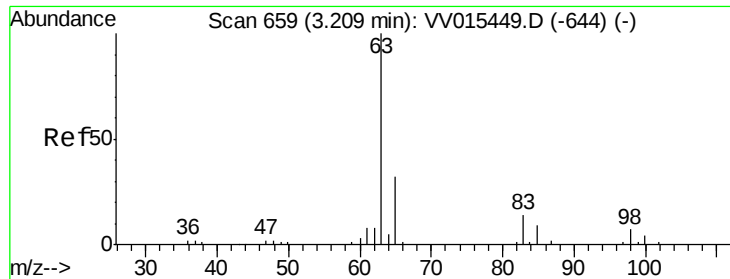


#18

trans-1,2-Dichloroethene
 Concen: 5.066 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion: 96 Resp: 41915
 Ion Ratio Lower Upper
 96 100
 61 151.3 104.4 194.0
 98 63.4 42.8 79.4

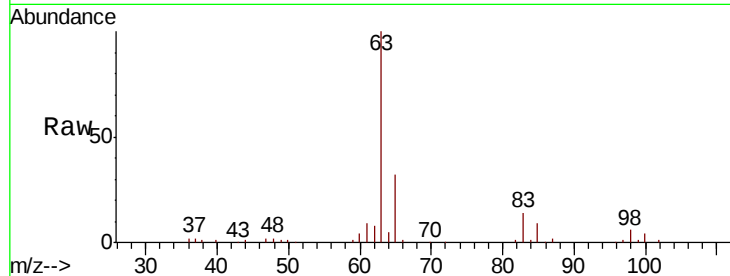




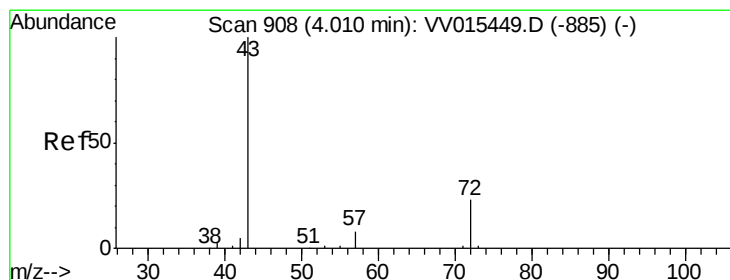
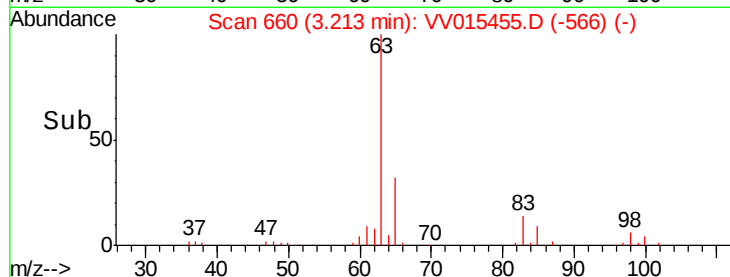
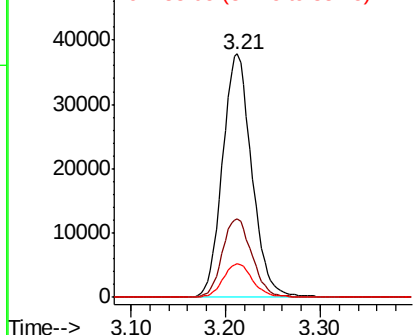
#19
 1,1-Dichloroethane
 Concen: 5.220 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 81423
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.3 39.6
 83 13.8 9.4 17.6

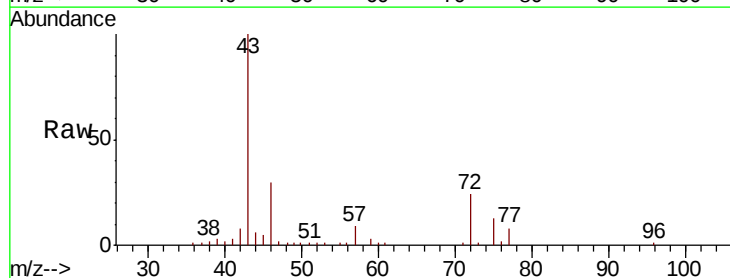


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

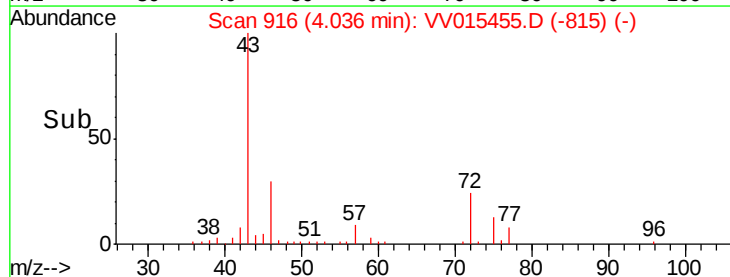
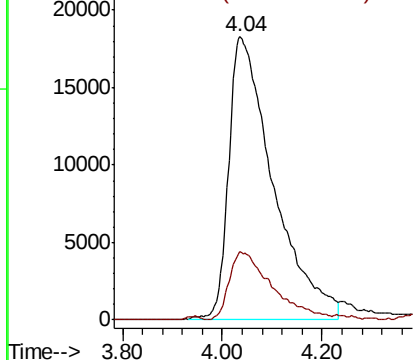


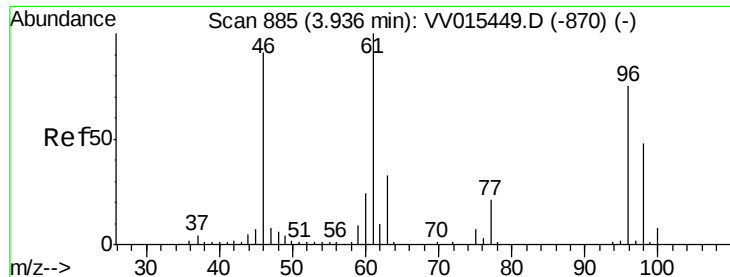
#21
 2-Butanone
 Concen: 58.476 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.03 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion: 43 Resp: 113769
 Ion Ratio Lower Upper
 43 100
 72 23.3 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



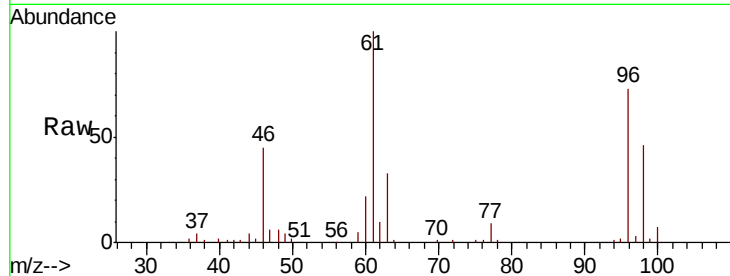


#22

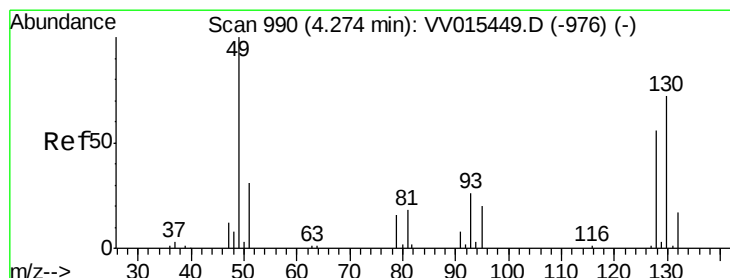
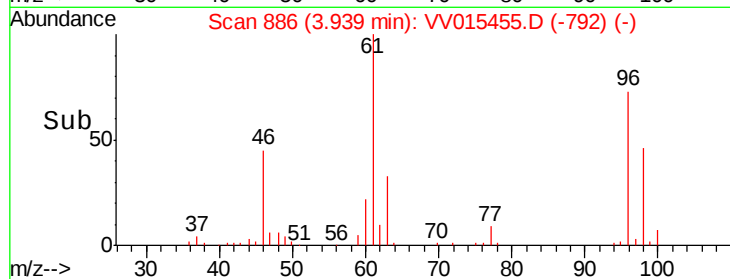
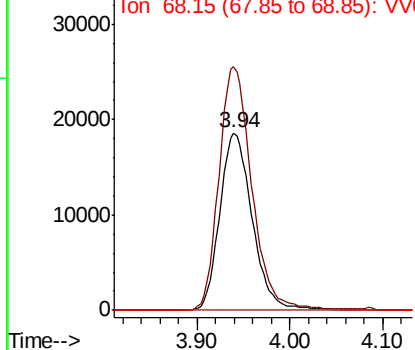
cis-1,2-Dichloroethene
Concen: 5.246 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 45070
Ion Ratio Lower Upper
96 100
61 137.4 100.0 185.8
68 0.0 0.0 0.0



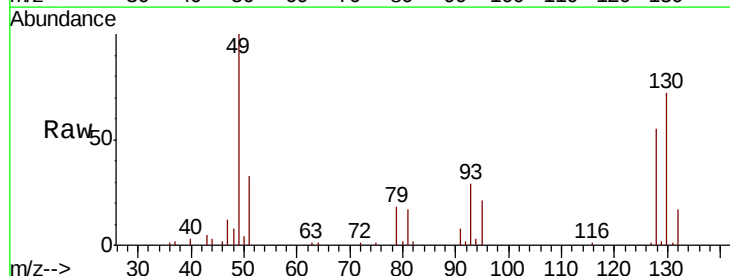
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



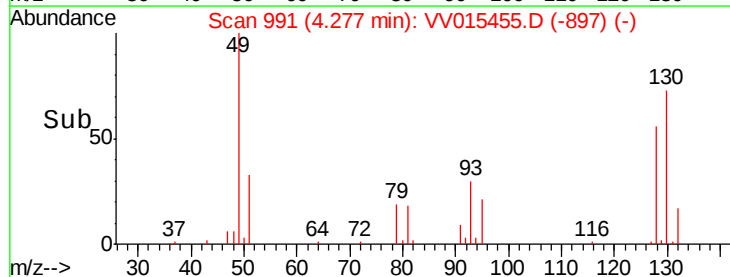
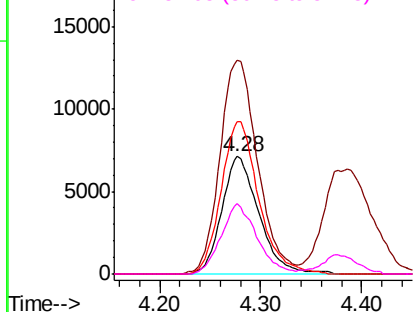
#23

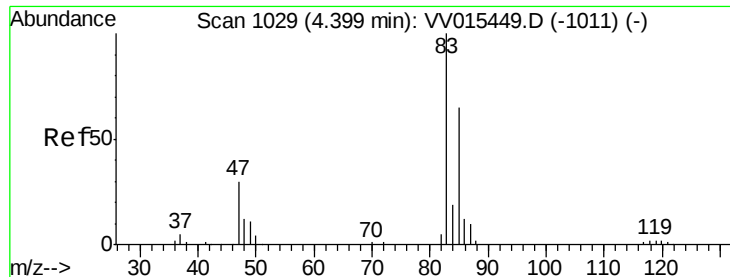
Bromochloromethane
Concen: 5.085 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Tgt Ion: 128 Resp: 18174
Ion Ratio Lower Upper
128 100
49 182.0 128.8 239.2
130 130.2 93.5 173.7
51 60.0 47.8 71.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

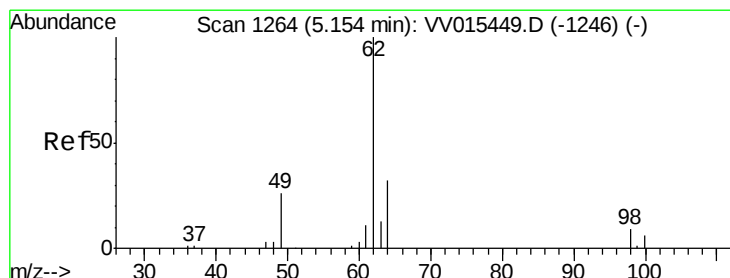
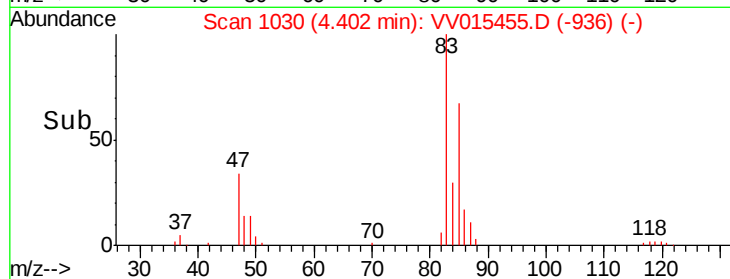
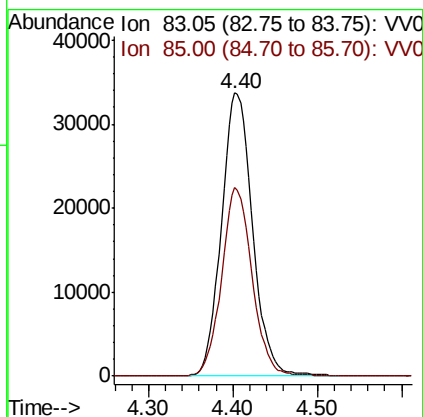
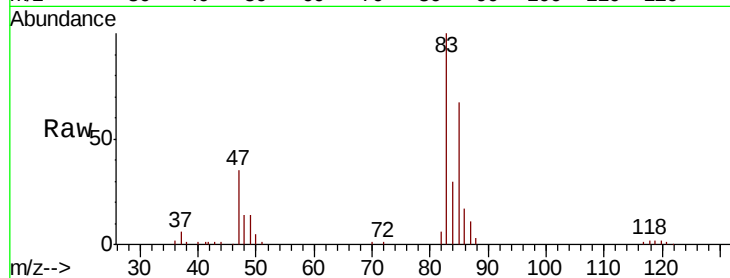




#25
Chloroform
Concen: 5.408 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

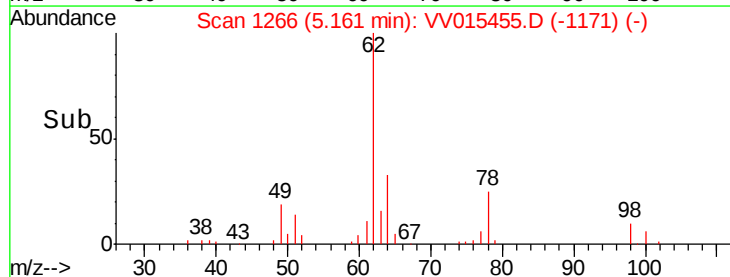
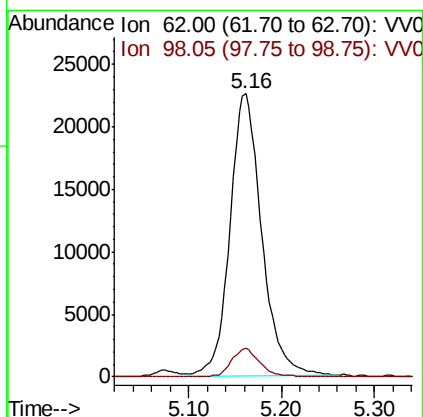
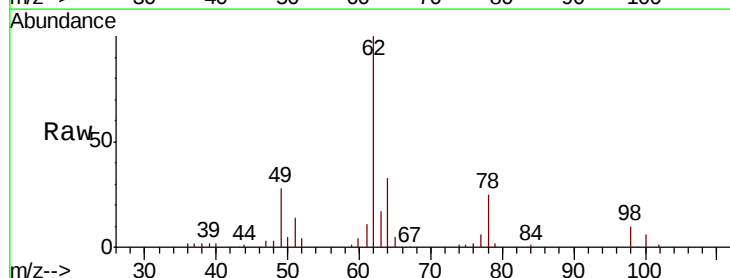
Instrument :
MSVOA_V
ClientSampleId :

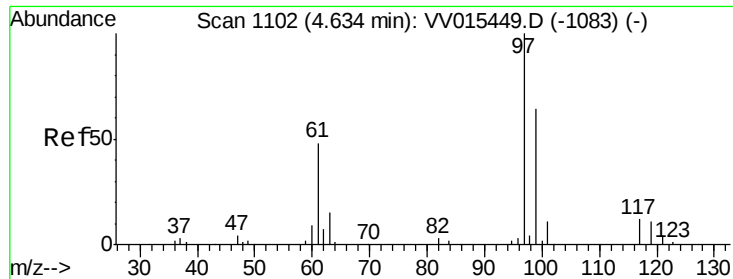
Tot Ion: 83 Resp: 86319
Ion Ratio Lower Upper
83 100
85 66.5 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.195 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Tgt Ion: 62 Resp: 53609
Ion Ratio Lower Upper
62 100
98 10.2 6.6 10.0#

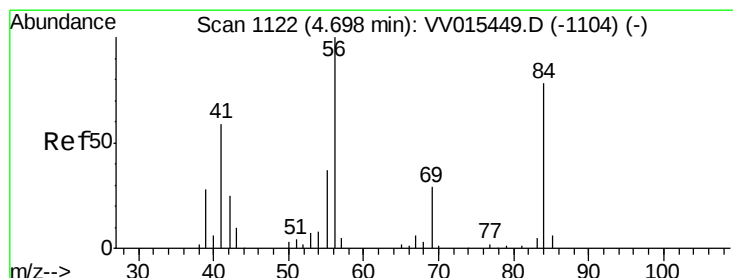
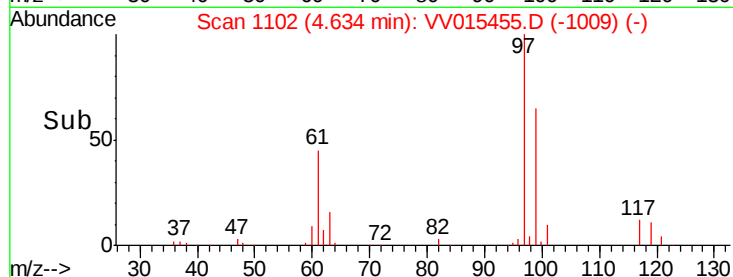
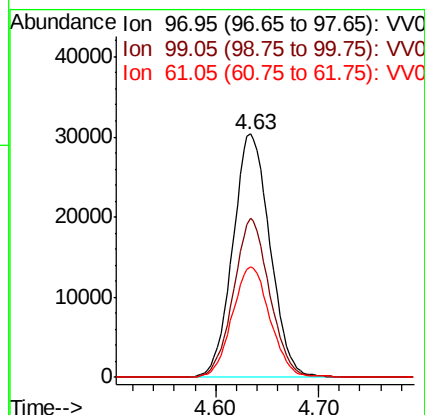
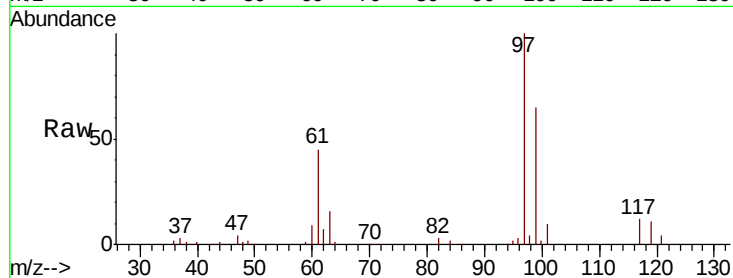




#29
 1,1,1-Trichloroethane
 Concen: 5.246 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

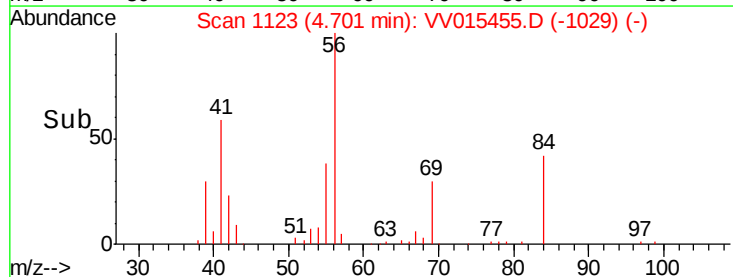
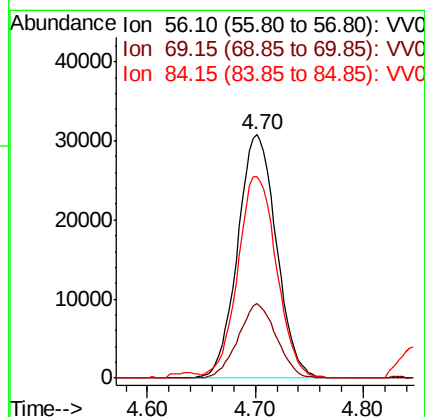
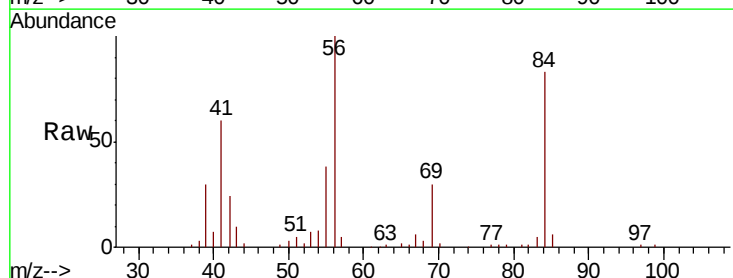
Instrument :
 MSVOA_V
 ClientSampleId :

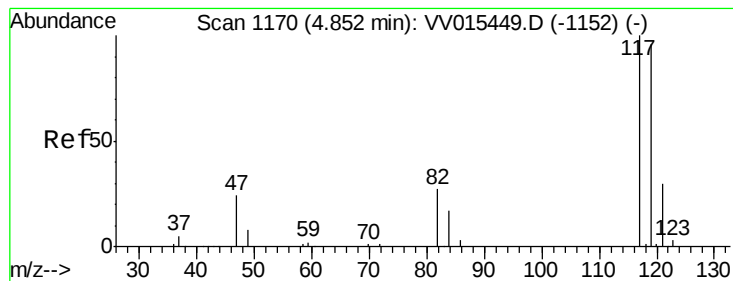
Tot Ion: 97 Resp: 76117
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 46.1 39.0 58.6



#30
 Cyclohexane
 Concen: 4.990 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion: 56 Resp: 76872
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.2 36.4
 84 83.3 68.4 102.6





#31

Carbon tetrachloride

Concen: 5.079 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

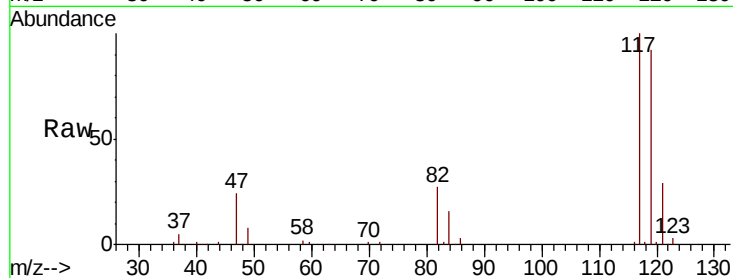
ClientSampleId :

Tot Ion:117 Resp: 64135

Ion Ratio Lower Upper

117 100

119 96.0 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.86

30000

25000

20000

15000

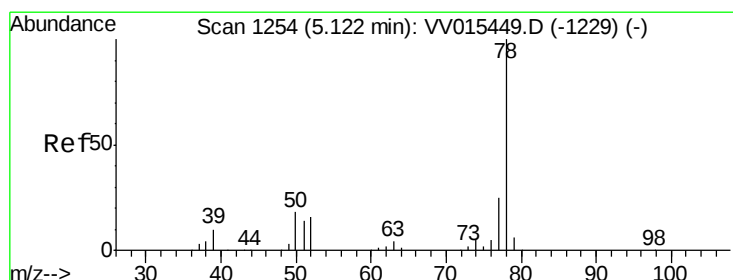
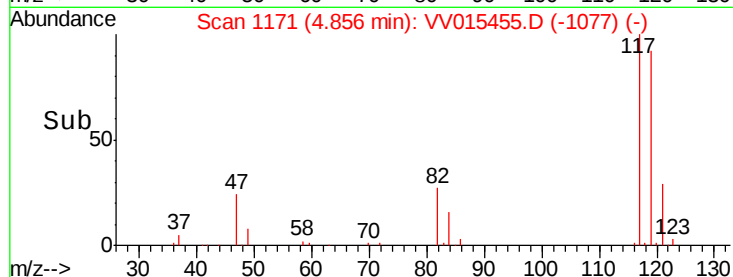
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 5.208 ug/L

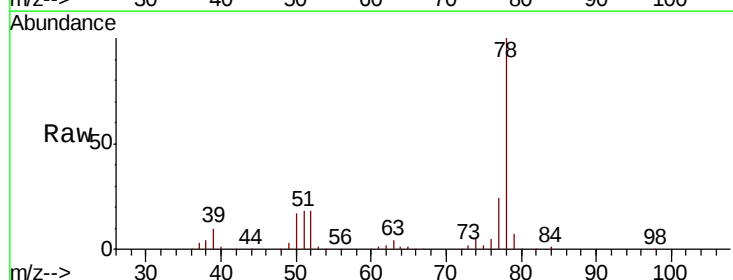
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Tgt Ion: 78 Resp: 174304



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.13

80000

60000

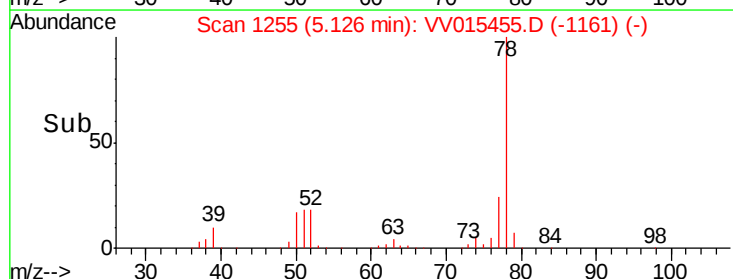
40000

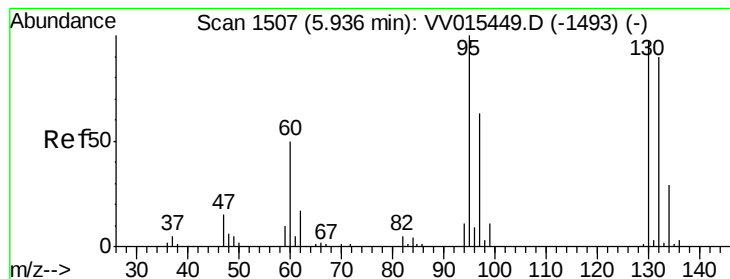
20000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.107 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 46006

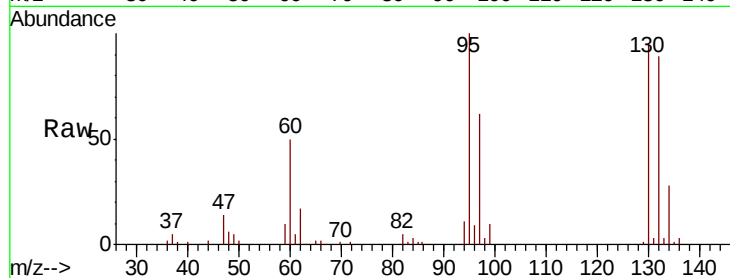
Ion Ratio Lower Upper

95 100

97 62.1 45.4 84.4

132 89.3 64.8 120.4

130 95.1 67.4 125.2

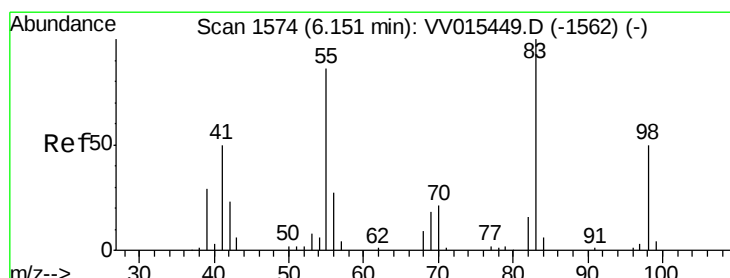
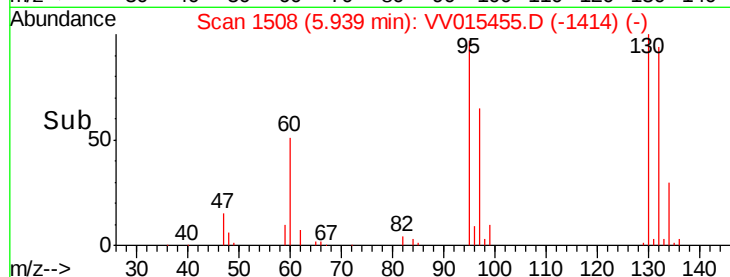
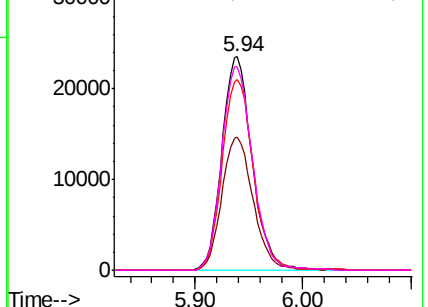


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.965 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

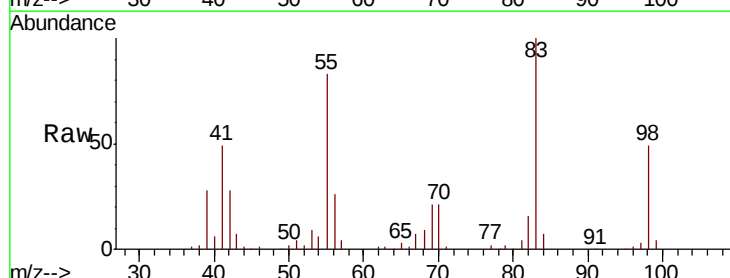
Tgt Ion: 83 Resp: 75360

Ion Ratio Lower Upper

83 100

55 82.5 66.6 99.8

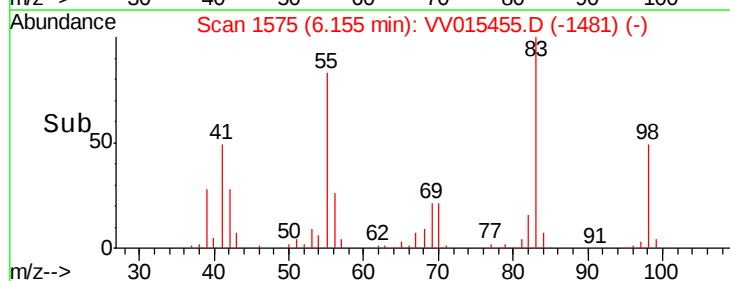
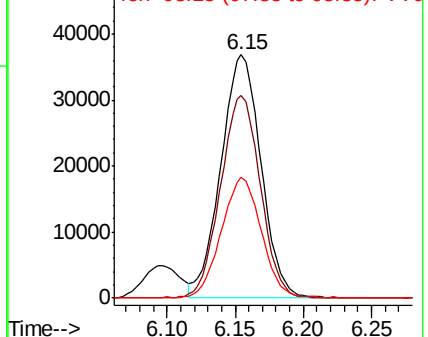
98 49.4 38.7 58.1

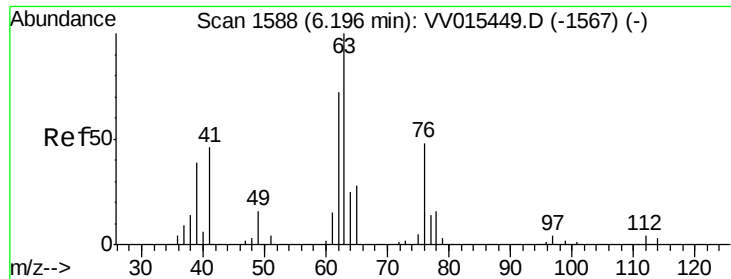


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

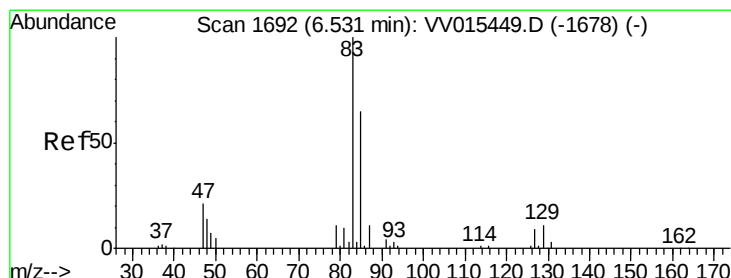
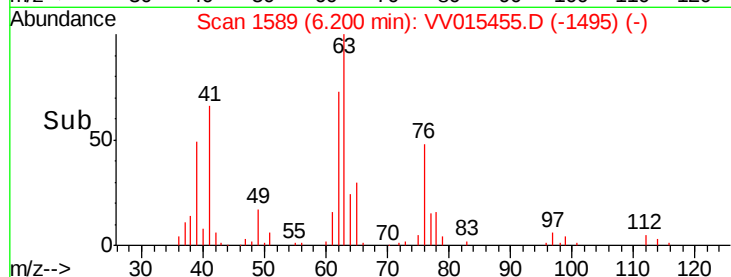
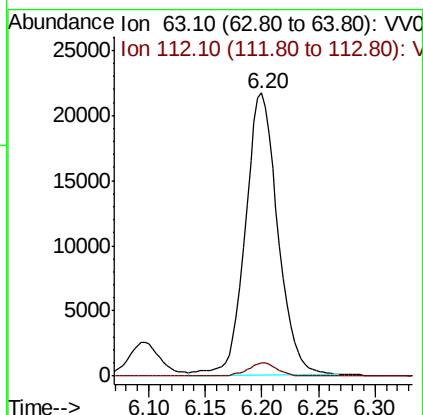
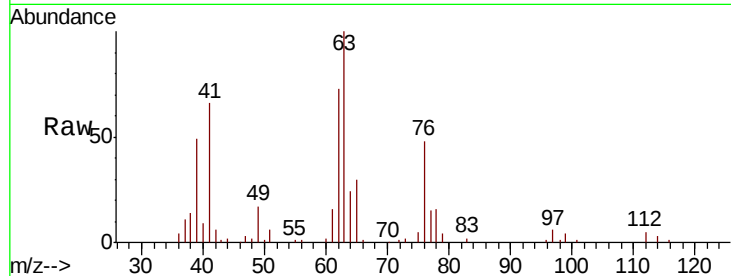




#37
 1,2-Dichloropropane
 Concen: 5.188 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

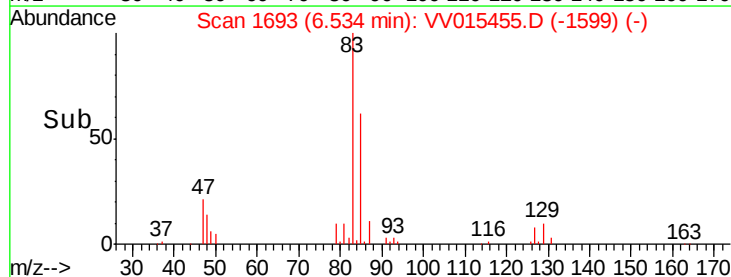
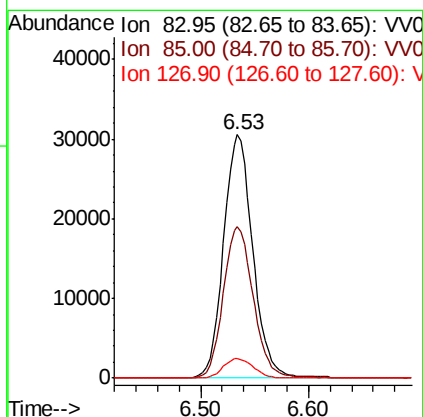
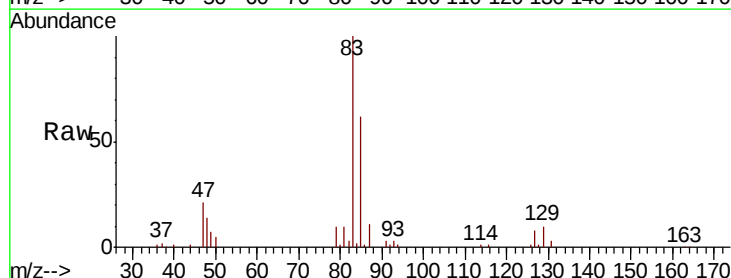
Instrument :
 MSVOA_V
 ClientSampled :

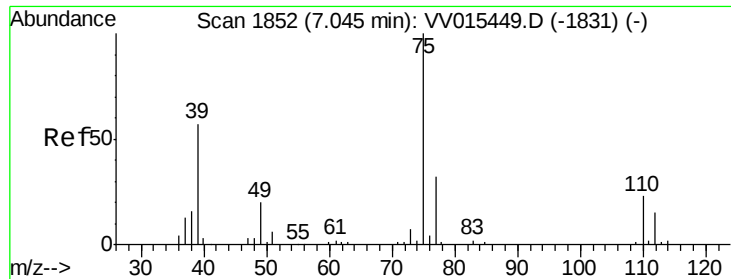
Tot Ion: 63 Resp: 43069
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.205 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion: 83 Resp: 57615
 Ion Ratio Lower Upper
 83 100
 85 62.1 42.6 79.2
 127 8.0 6.6 9.8

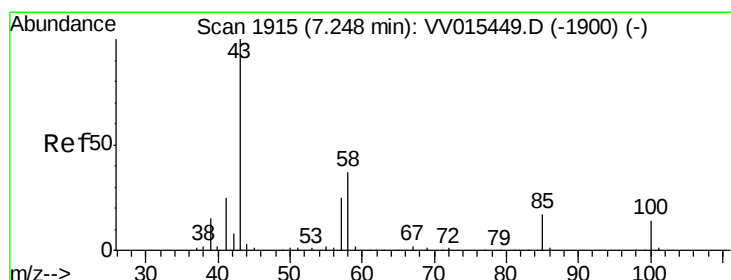
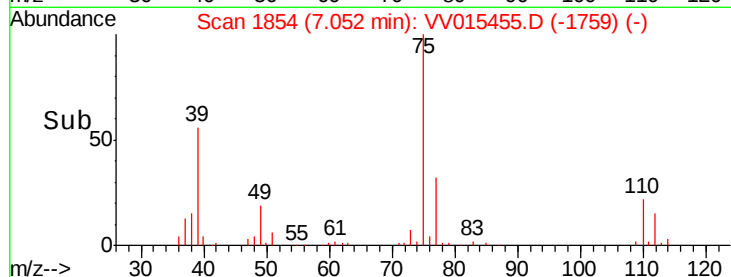
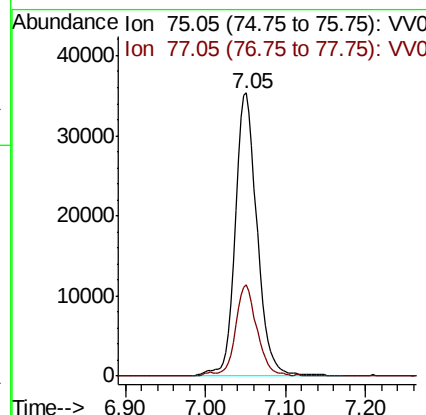
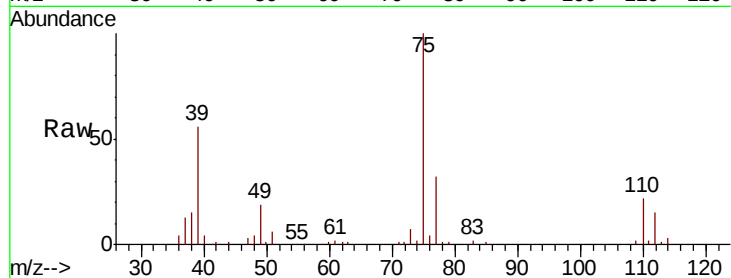




#39
 cis-1,3-Dichloropropene
 Concen: 5.167 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

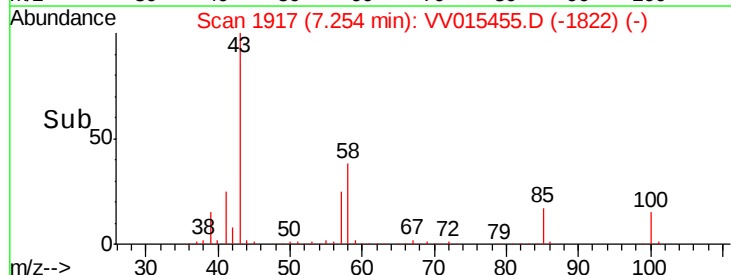
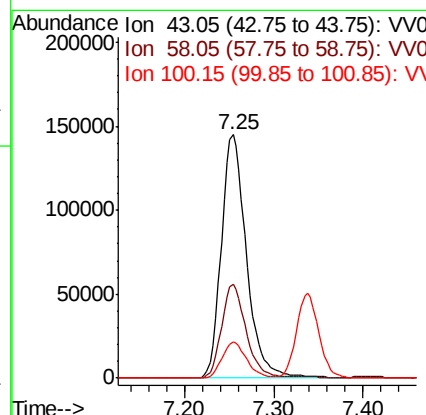
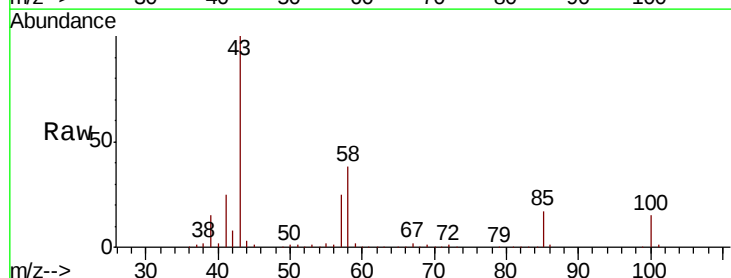
Instrument :
 MSVOA_V
 ClientSampleId :

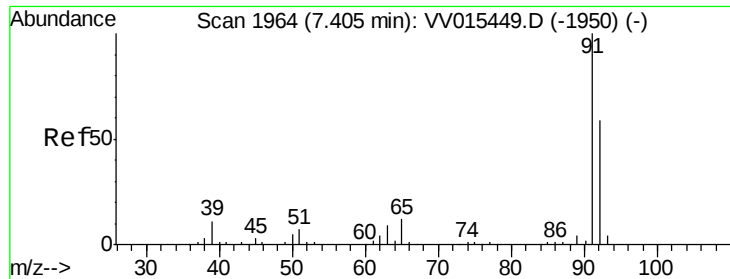
Tot Ion: 75 Resp: 65826
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 51.867 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion: 43 Resp: 282721
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.0 43.6
 100 14.4 11.0 16.6





#42

Toluene

Concen: 5.229 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

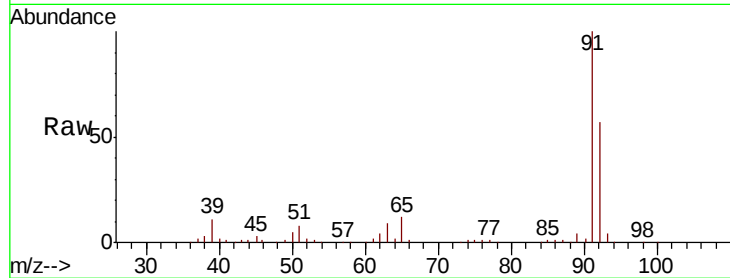
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 189996

Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015449.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV015449.D (-1950) (-)

7.41

120000

100000

80000

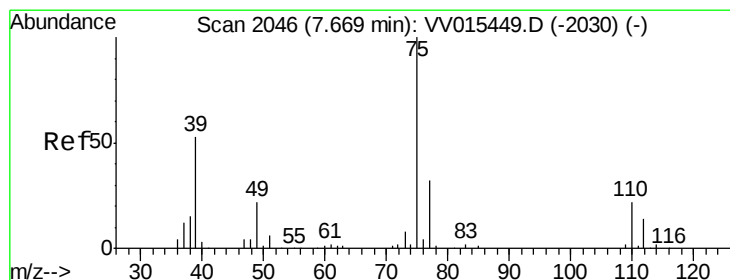
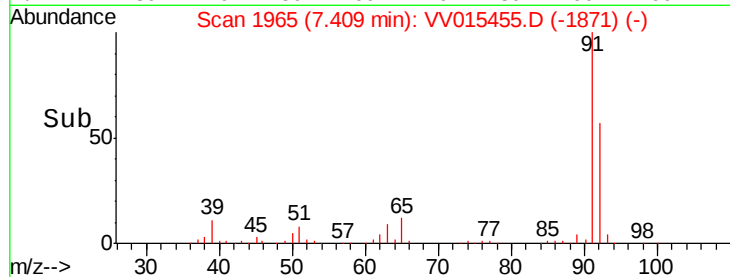
60000

40000

20000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.192 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015455.D

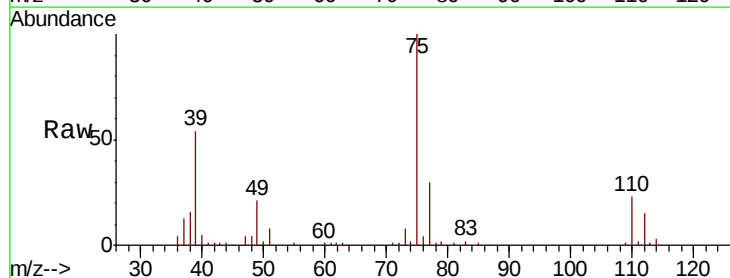
Acq: 10 Apr 2020 16:15

Tgt Ion: 75 Resp: 55925

Ion Ratio Lower Upper

75 100

77 30.4 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015449.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015449.D (-2030) (-)

7.67

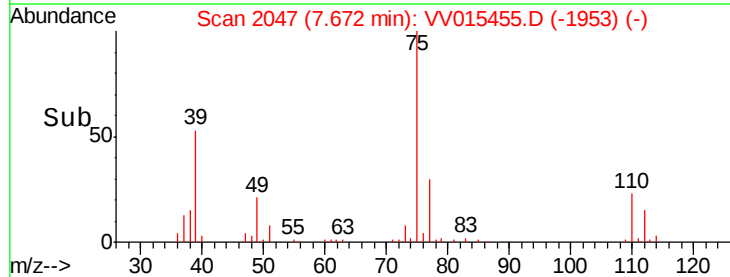
30000

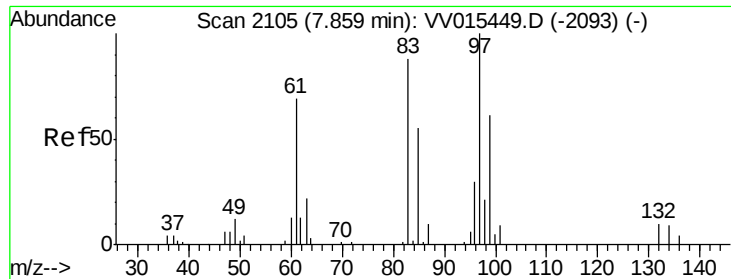
20000

10000

0

Time--> 7.60 7.70 7.80

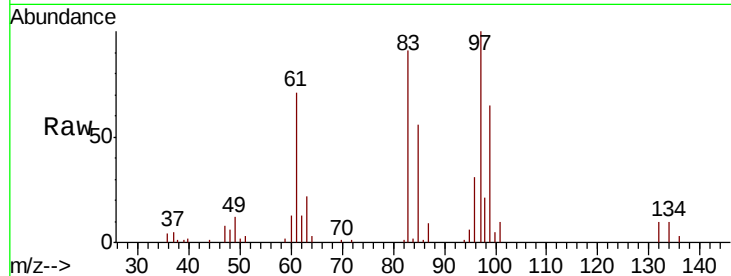




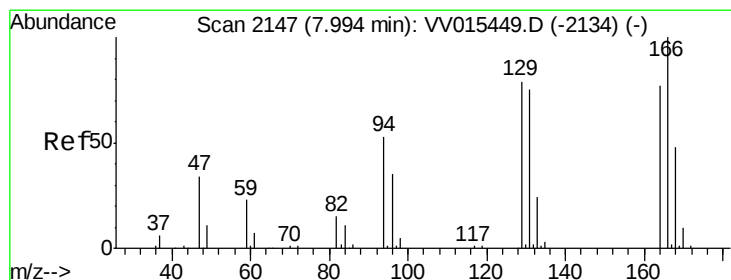
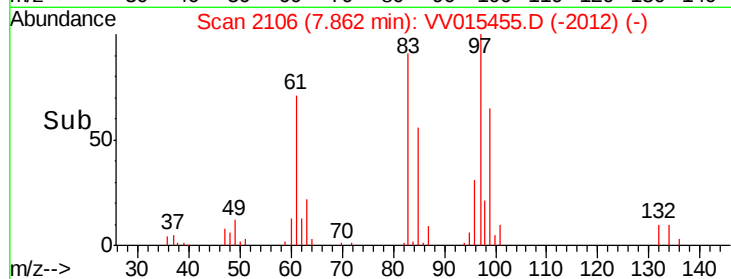
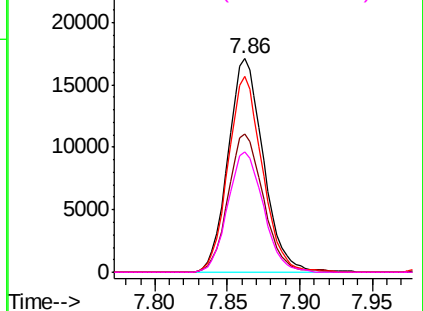
#45
 1,1,2-Trichloroethane
 Concen: 5.165 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	28820
Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.3	76.7
83	91.4	60.5	112.3
85	56.2	36.8	68.4

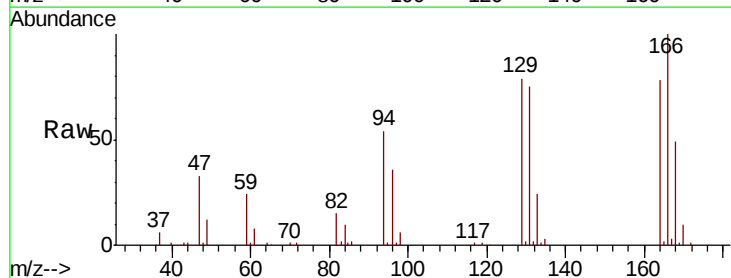


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

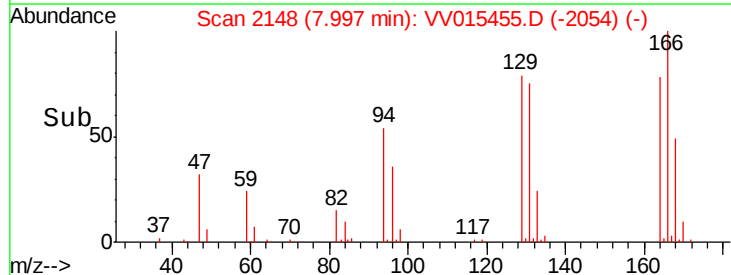
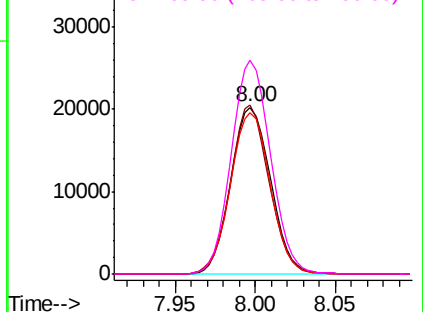


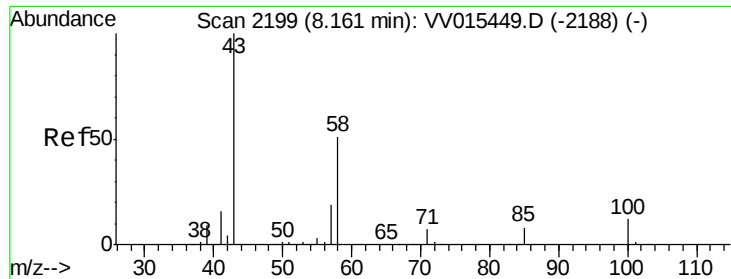
#47
 Tetrachloroethene
 Concen: 5.142 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion:	164	Resp:	34320
Ion	Ratio	Lower	Upper
164	100		
129	101.5	70.6	131.0
131	96.8	68.3	126.8
166	128.3	88.3	163.9



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

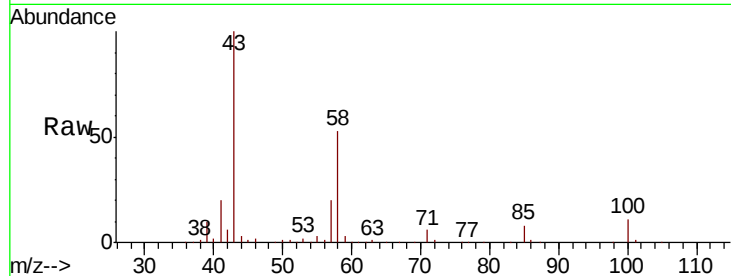




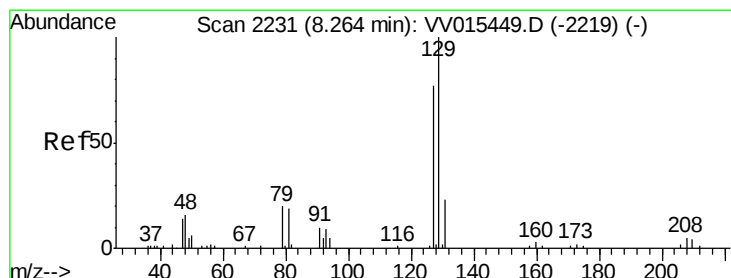
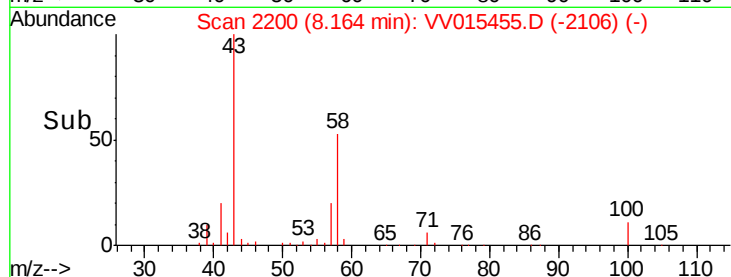
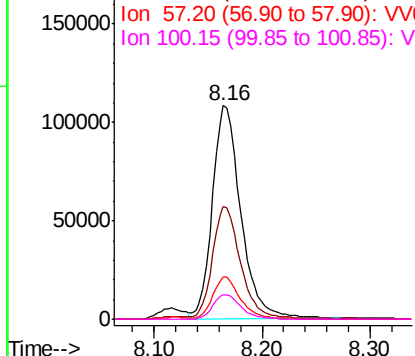
#48
2-Hexanone
Concen: 52.099 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 198424
Ion Ratio Lower Upper
43 100
58 52.2 41.4 62.0
57 19.0 15.0 22.4
100 11.5 9.4 14.2

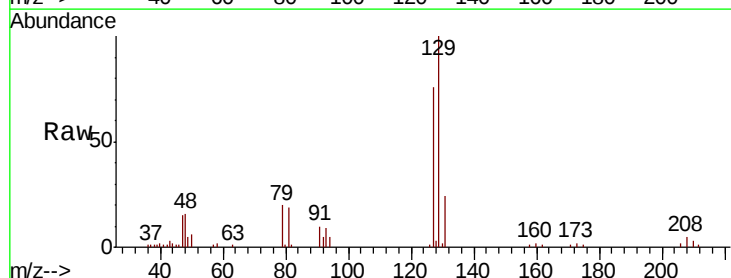


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

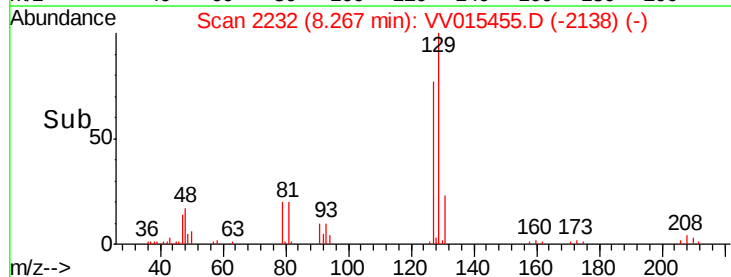
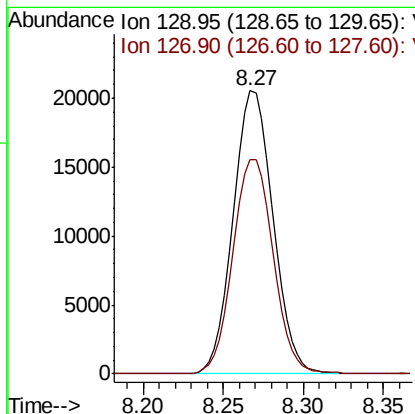


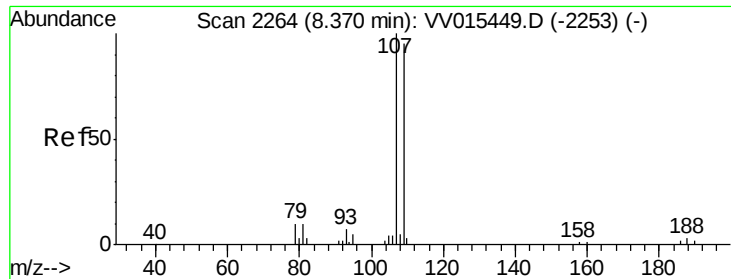
#49
Dibromochloromethane
Concen: 5.229 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Tgt Ion: 129 Resp: 34950
Ion Ratio Lower Upper
129 100
127 75.8 54.7 101.7



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

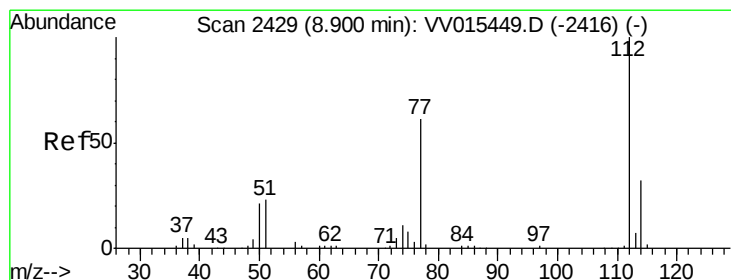
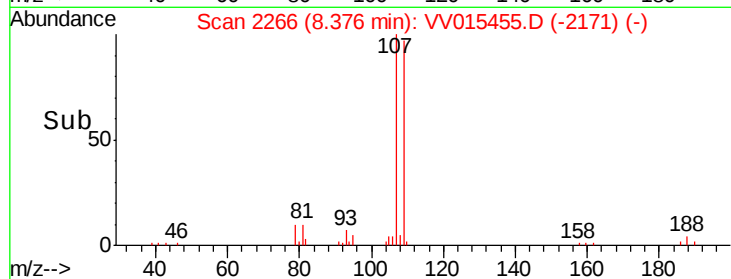
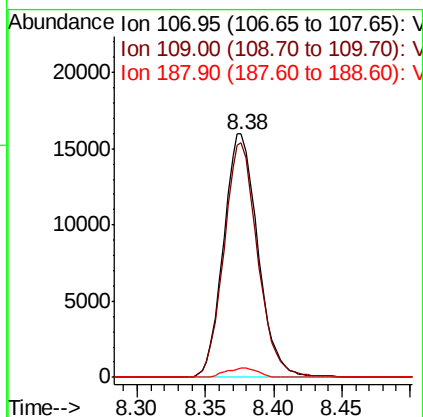
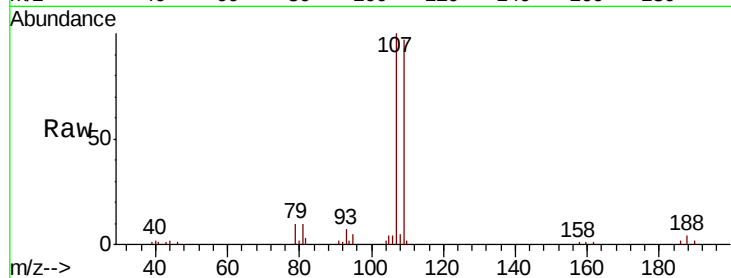




#50
1,2-Dibromoethane
Concen: 5.218 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

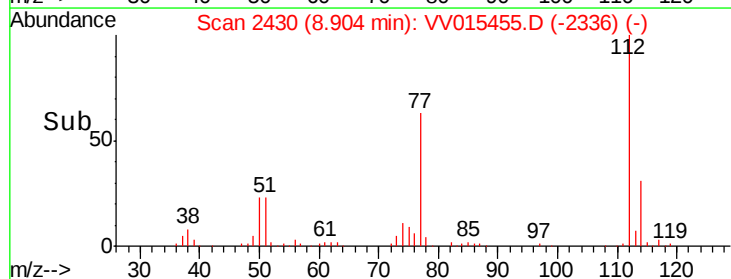
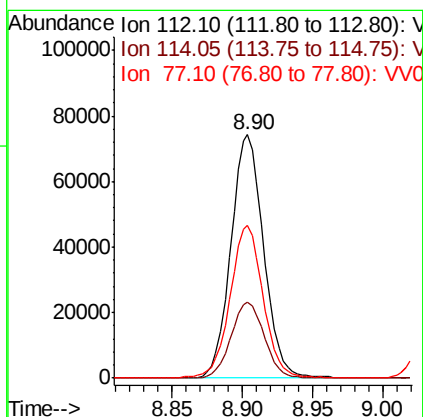
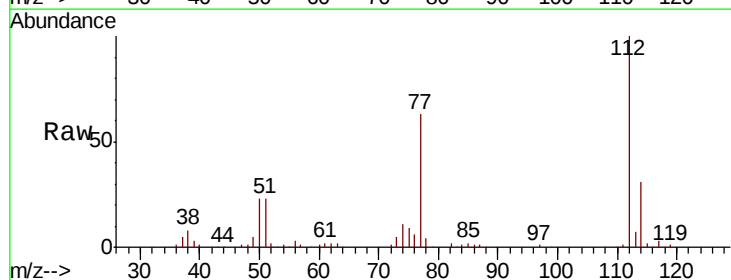
Instrument :
MSVOA_V
ClientSampleId :

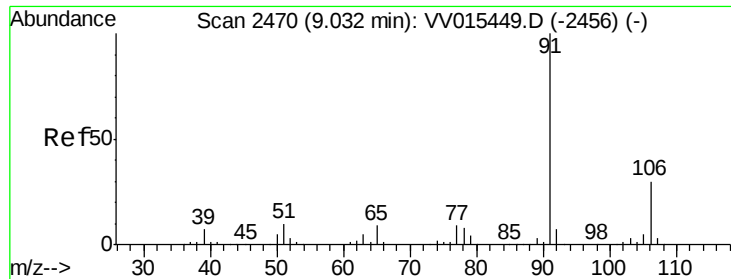
Tot Ion:107 Resp: 27905
Ion Ratio Lower Upper
107 100
109 96.6 66.7 123.9
188 3.7 2.9 4.3



#51
Chlorobenzene
Concen: 5.204 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Tgt Ion:112 Resp: 120543
Ion Ratio Lower Upper
112 100
114 31.2 22.9 42.5
77 62.6 49.8 74.8





#52

Ethylbenzene

Concen: 5.264 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

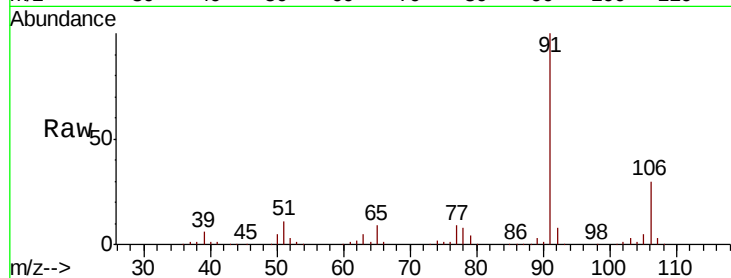
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 220217

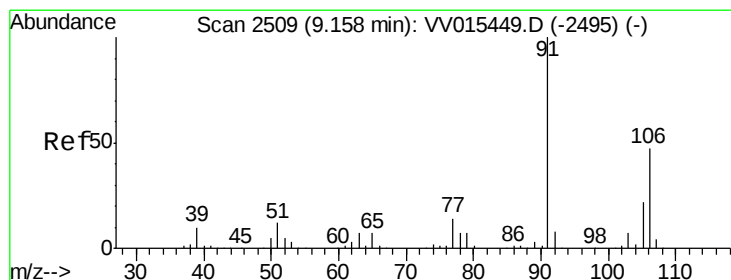
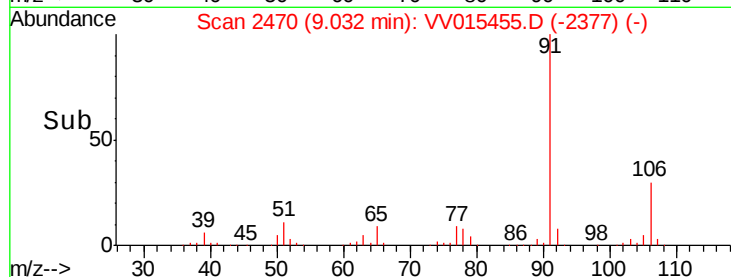
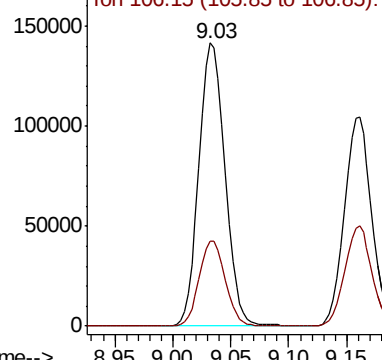
Ion Ratio Lower Upper

91 100

106 30.1 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015449.D (-2456) (-)



#53

m,p-xylene

Concen: 5.196 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015455.D

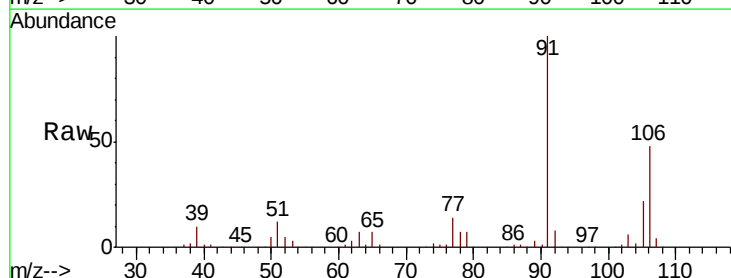
Acq: 10 Apr 2020 16:15

Tgt Ion: 106 Resp: 82082

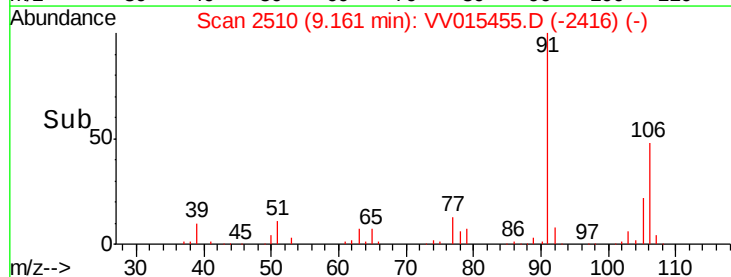
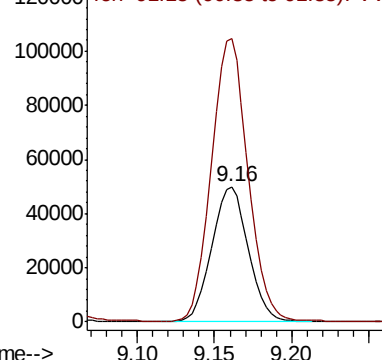
Ion Ratio Lower Upper

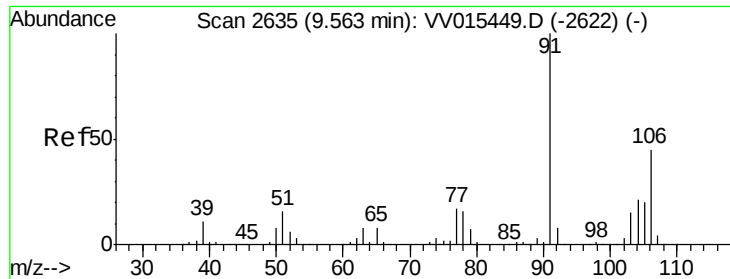
106 100

91 209.1 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015449.D (-2495) (-)

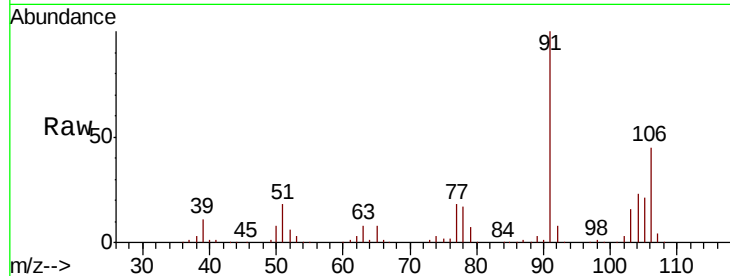




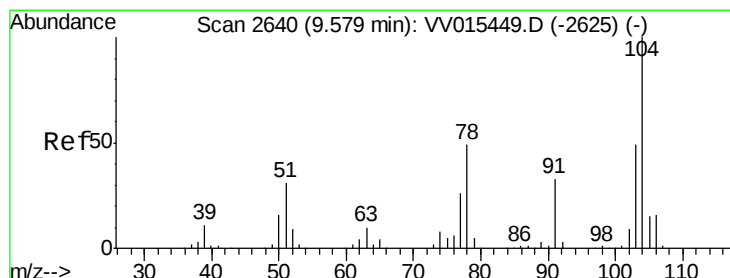
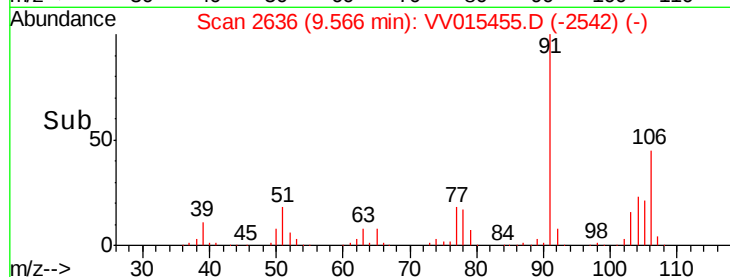
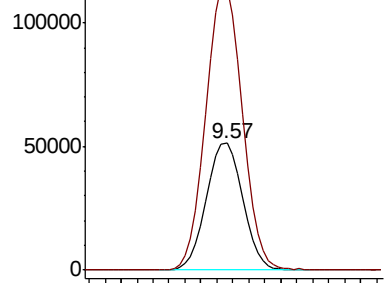
#54
o-xylene
Concen: 5.226 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 79915
Ion Ratio Lower Upper
106 100
91 222.5 154.5 286.9

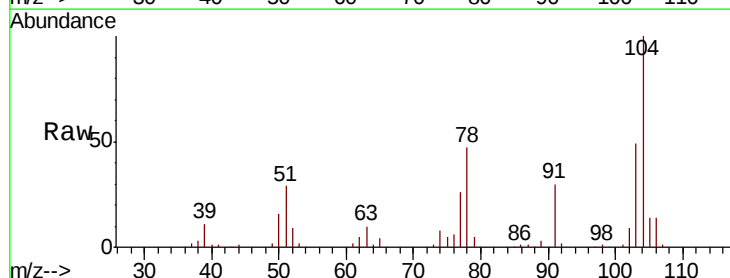


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

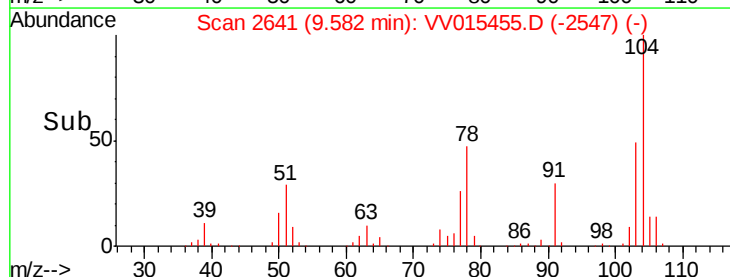
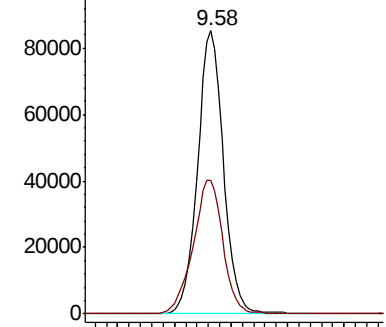


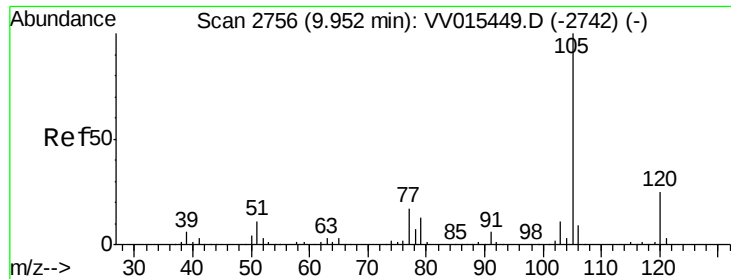
#55
Styrene
Concen: 5.272 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015455.D
Acq: 10 Apr 2020 16:15

Tgt Ion:104 Resp: 135493
Ion Ratio Lower Upper
104 100
78 47.1 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.222 ug/L

RT: 9.95 min Scan# 2756

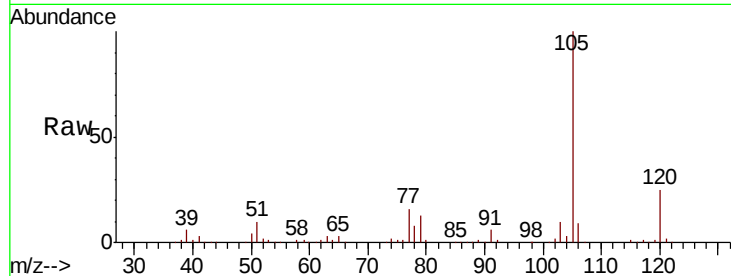
Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	218903
Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.7	31.1
77	16.5	13.5	20.3

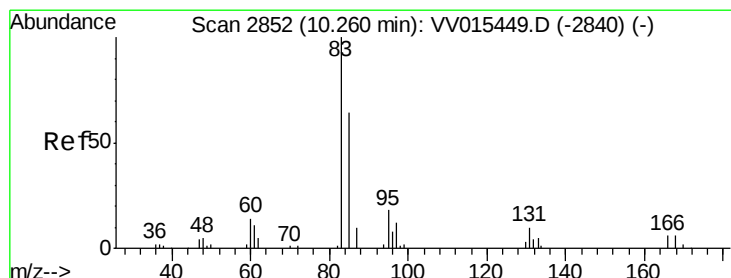
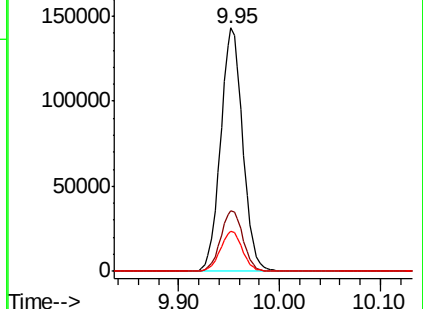
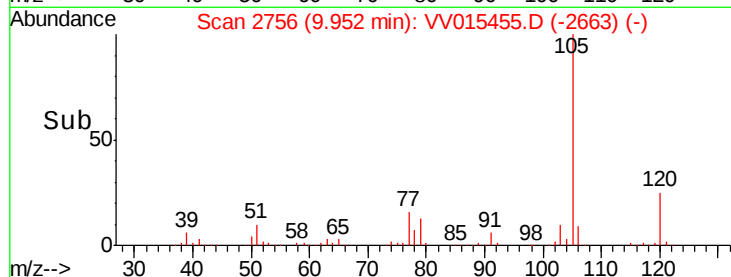


Abundance Ion 105.05 (104.75 to 105.75): VV015449.D (-2742) (-)

Ion 120.10 (119.80 to 120.80): VV015449.D (-2742) (-)

Ion 77.10 (76.80 to 77.80): VV015449.D (-2742) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.334 ug/L

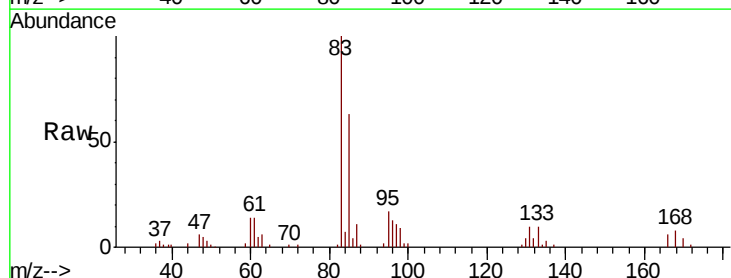
RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Tgt Ion:	83	Resp:	36224
Ion	Ratio	Lower	Upper
83	100		
85	63.4	44.5	82.7
131	10.0	7.5	11.3

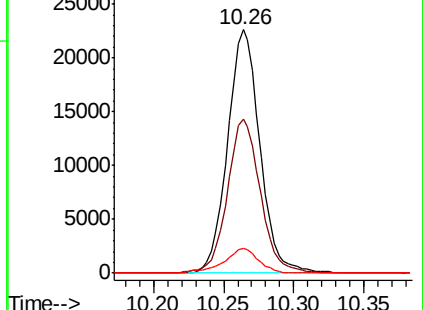
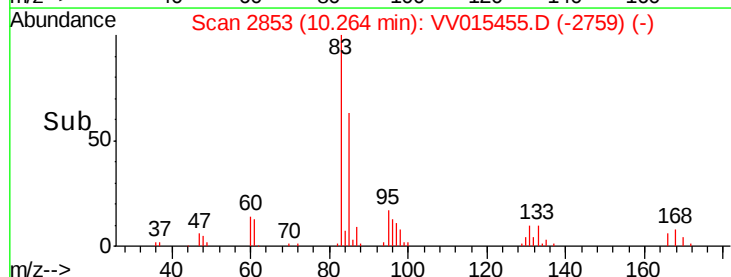


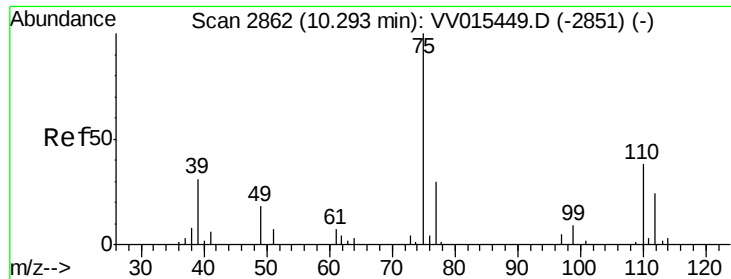
Abundance Ion 82.95 (82.65 to 83.65): VV015449.D (-2840) (-)

Ion 85.00 (84.70 to 85.70): VV015449.D (-2840) (-)

Ion 130.95 (130.65 to 131.65): VV015449.D (-2840) (-)

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.234 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

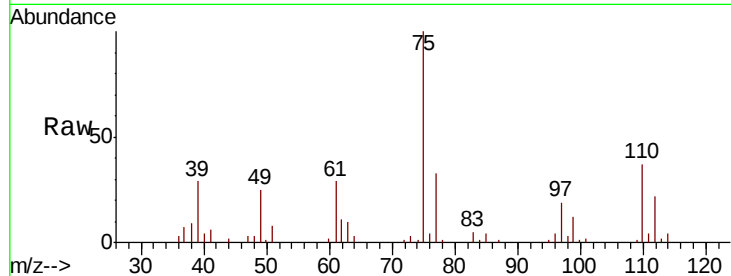
ClientSampleId :

Tot Ion: 75 Resp: 26864

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015449.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015449.D (-2851) (-)

10.30

15000

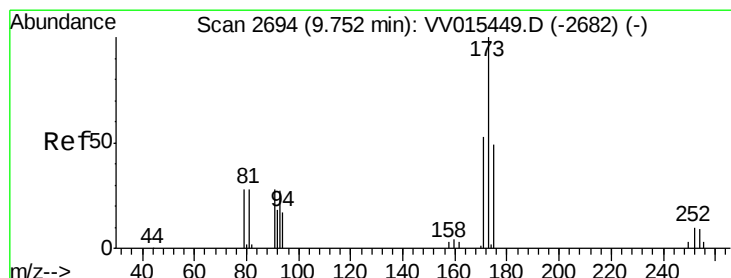
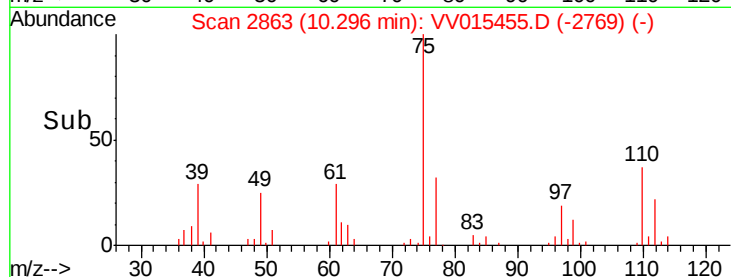
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 4.875 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

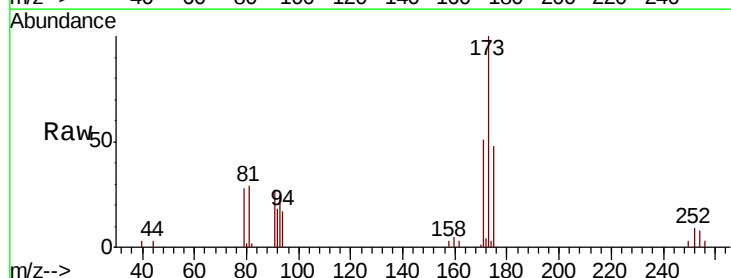
Tgt Ion: 173 Resp: 16630

Ion Ratio Lower Upper

173 100

175 47.0 38.2 57.2

254 7.9 6.6 10.0



Abundance Ion 172.90 (172.60 to 173.60): VV015449.D (-2682) (-)

Ion 174.90 (174.60 to 175.60): VV015449.D (-2682) (-)

Ion 253.75 (253.45 to 254.45): VV015449.D (-2682) (-)

9.75

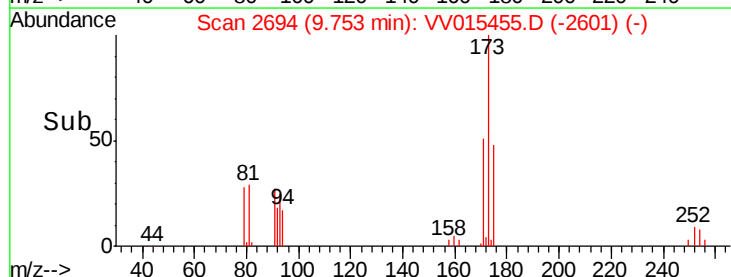
10000

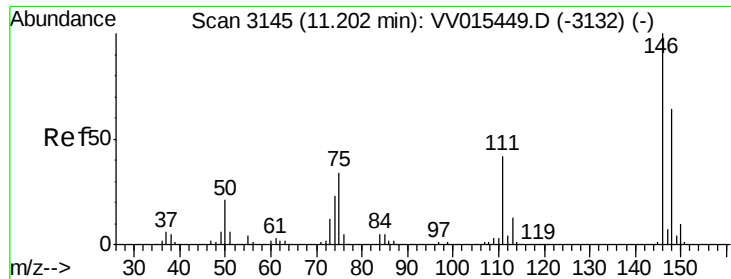
5000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 5.166 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

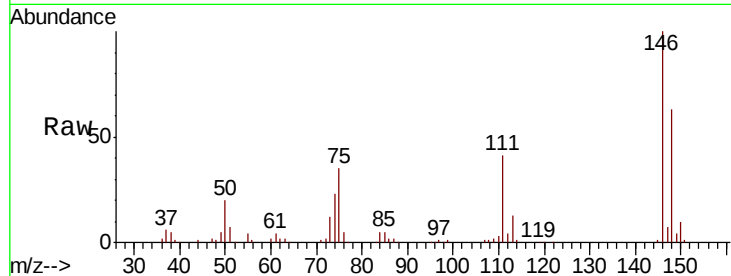
Tot Ion:146 Resp: 96889

Ion Ratio Lower Upper

146 100

111 41.5 29.3 54.5

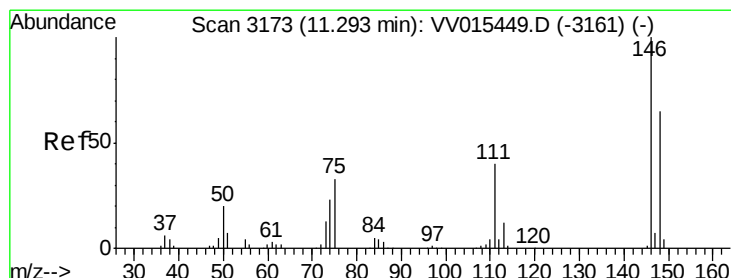
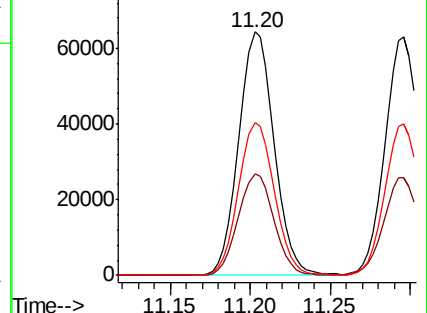
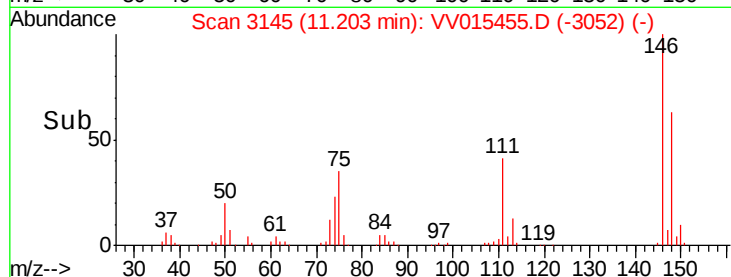
148 62.7 42.4 78.6



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: 5.102 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

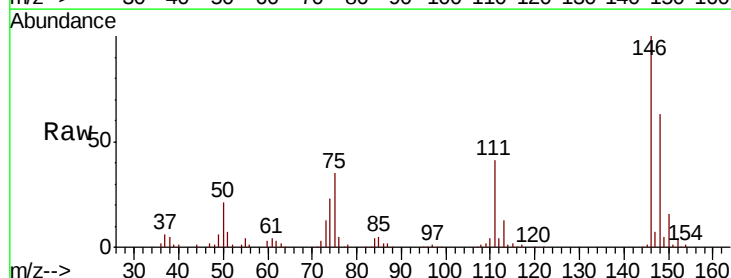
Tgt Ion:146 Resp: 97357

Ion Ratio Lower Upper

146 100

111 40.8 29.4 54.6

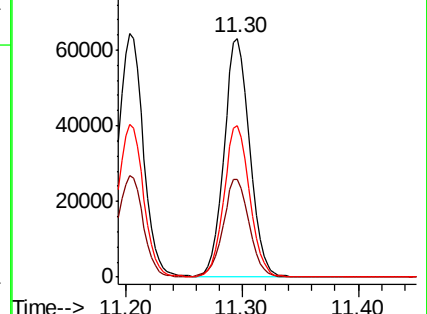
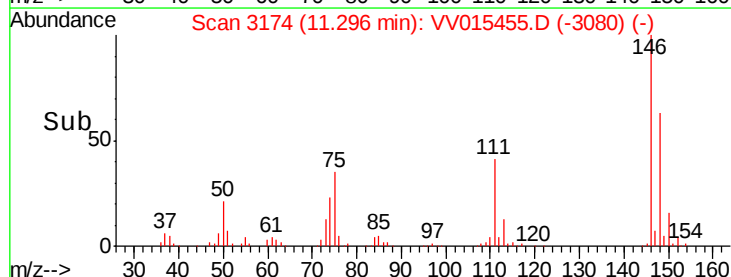
148 63.3 44.3 82.3

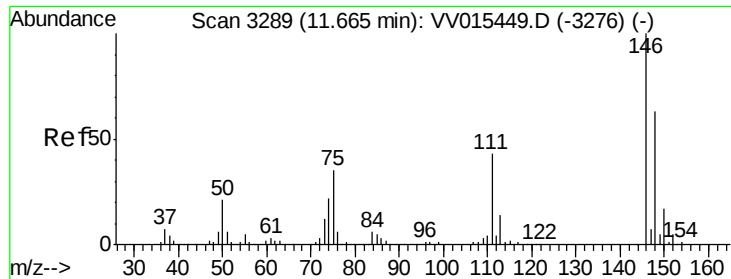


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.087 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

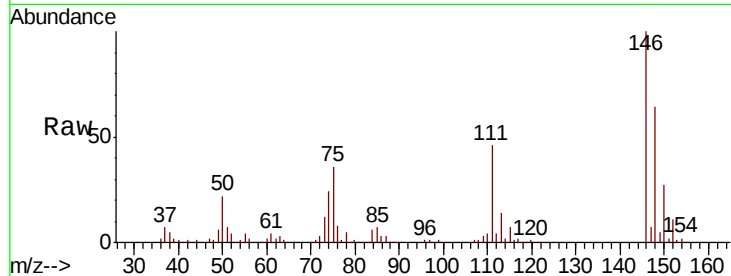
Tot Ion:146 Resp: 86965

Ion Ratio Lower Upper

146 100

111 45.7 35.8 53.6

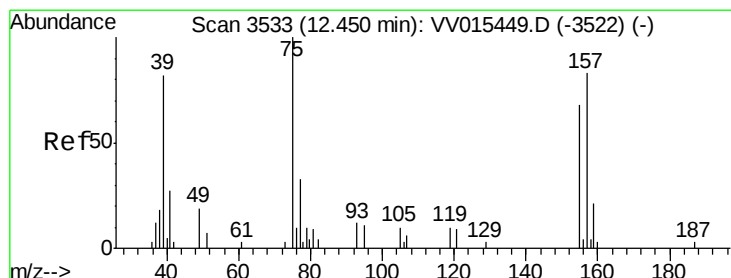
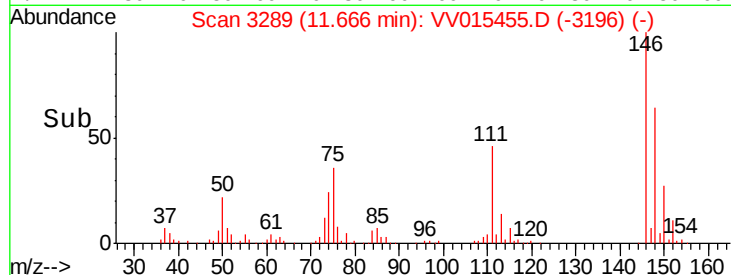
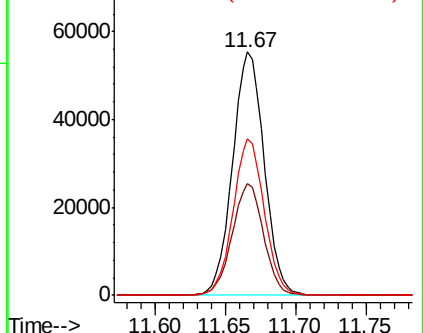
148 64.3 50.2 75.4



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: 4.918 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

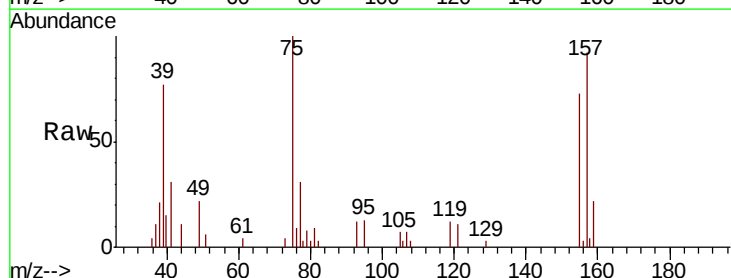
Tgt Ion: 75 Resp: 6434

Ion Ratio Lower Upper

75 100

155 73.5 60.8 91.2

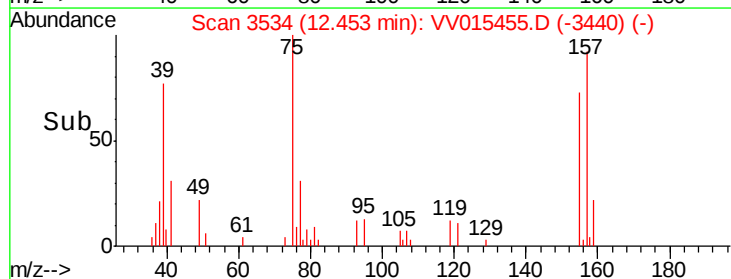
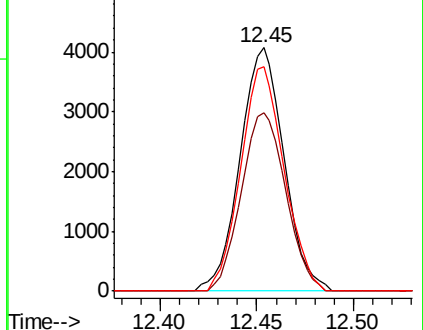
157 92.3 75.7 113.5

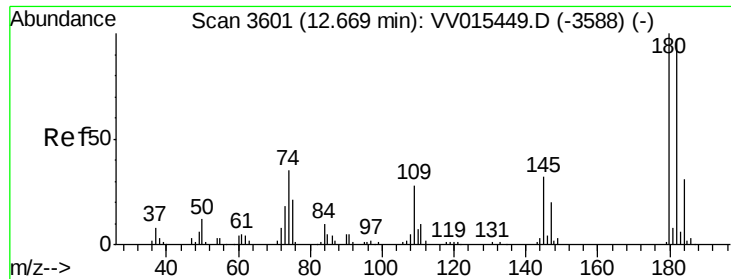


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

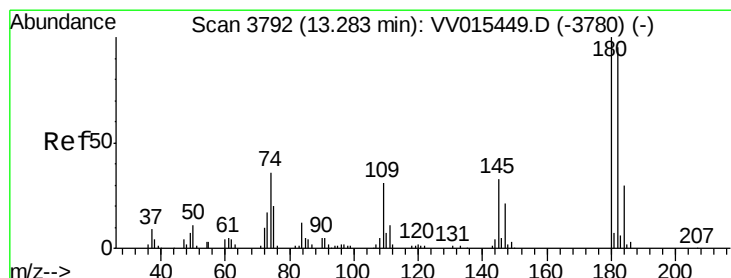
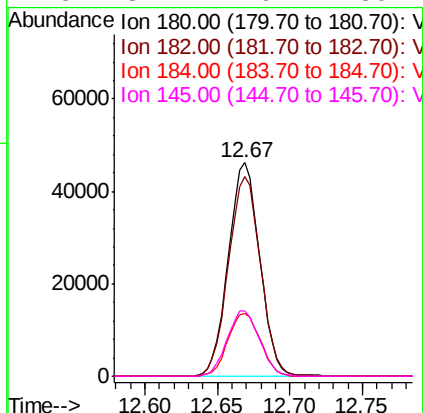
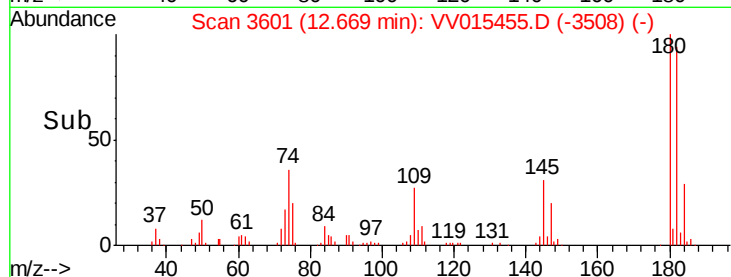
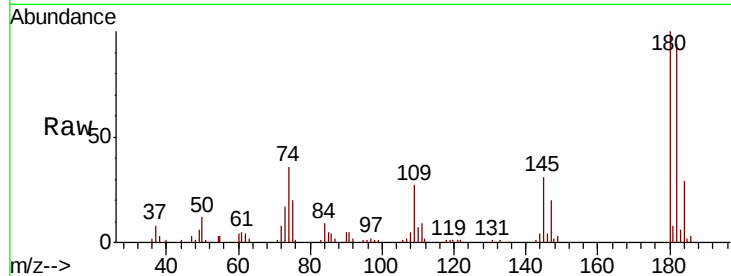




#67
 1,3,5-Trichlorobenzene
 Concen: 5.133 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

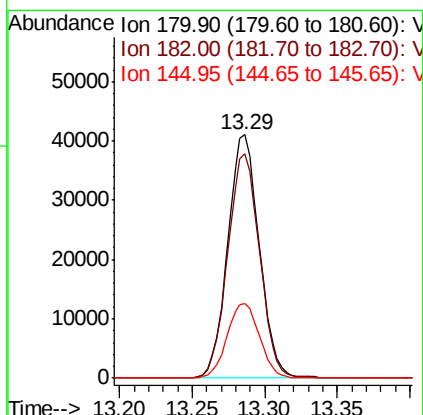
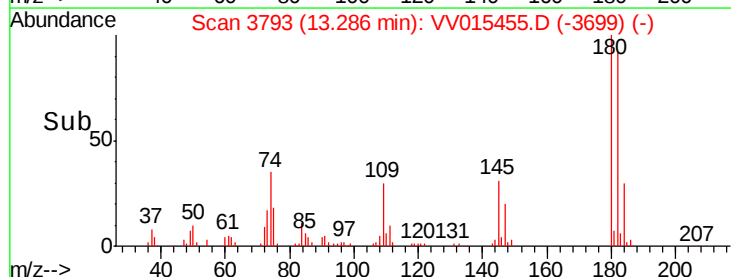
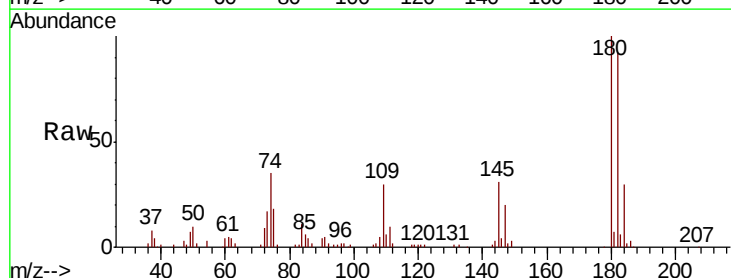
Instrument :
 MSVOA_V
 ClientSampleId :

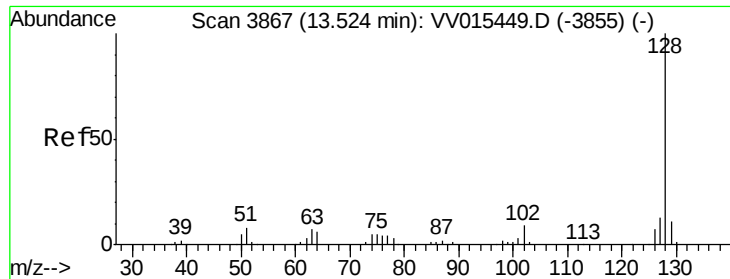
Tot Ion:180 Resp: 69553
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.9 115.3
 184 30.3 24.0 36.0
 145 31.4 26.1 39.1



#68
 1,2,4-trichlorobenzene
 Concen: 5.058 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015455.D
 Acq: 10 Apr 2020 16:15

Tgt Ion:180 Resp: 61740
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.6 115.0
 145 31.6 25.9 38.9





#69

Naphthalene

Concen: 4.687 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

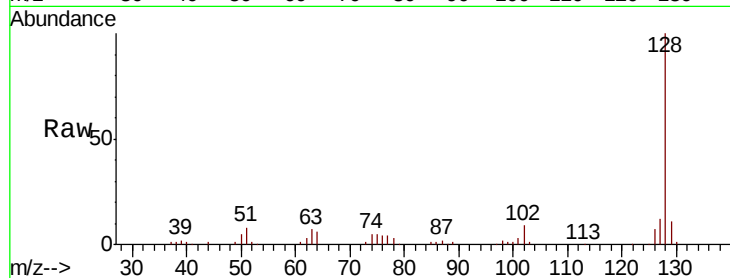
Tot Ion:128 Resp: 107792

Ion Ratio Lower Upper

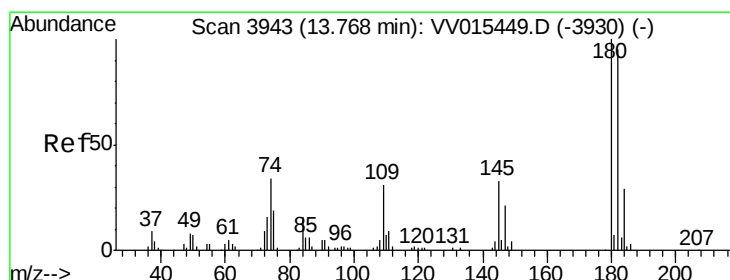
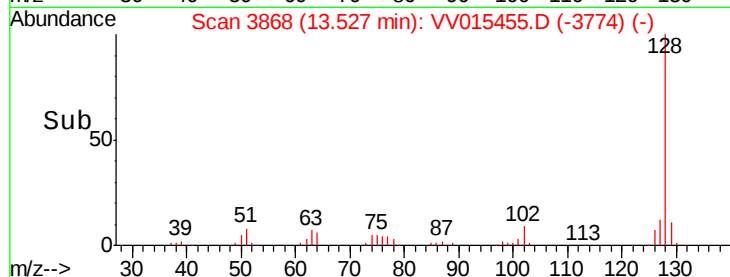
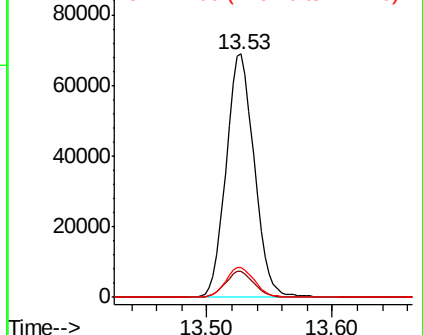
128 100

129 10.6 8.6 13.0

127 12.5 10.4 15.6



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: 4.964 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015455.D

Acq: 10 Apr 2020 16:15

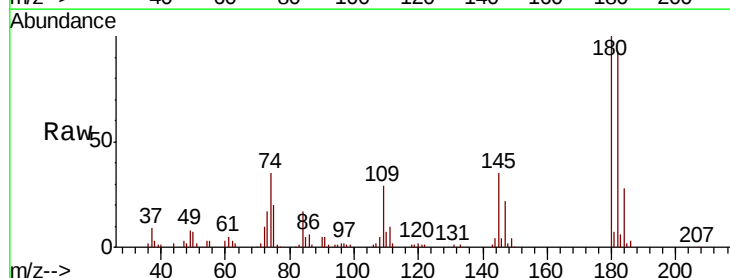
Tgt Ion:180 Resp: 53521

Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

145 34.8 28.2 42.2



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

