

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051120\
 Data File : VV016003.D
 Acq On : 11 May 2020 20:48
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 12 01:15:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 12 01:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	139983	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	137545	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32928	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.58	69	34028	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.13	63	78292	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.93	46	126165	58.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.48%
24) Chloroform-d	4.38	84	87582	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.06	65	51285	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.08	84	170646	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.10	67	52701	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.34	98	161382	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
45) trans-1,3-Dichloropropene-	7.65	79	19752	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
48) 2-Hexanone-d5	8.11	63	95608	55.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.02%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39623	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	60486	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	56785	5.294 ug/L	98
3) Chloromethane	1.25	50	57863	5.328 ug/L	97
5) Vinyl chloride	1.32	62	57004	5.489 ug/L	100
6) Bromomethane	1.53	94	29549	5.014 ug/L	97
8) Chloroethane	1.60	64	35634	4.816 ug/L	99
9) Trichlorofluoromethane	1.77	101	78871	5.537 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	43335	5.386 ug/L	98
12) 1,1-Dichloroethene	2.14	96	41786	5.424 ug/L	86
13) Acetone	2.21	43	77770	54.423 ug/L	68
14) Carbon disulfide	2.31	76	136480	5.366 ug/L	99
15) Methyl Acetate	2.46	43	19635	5.946 ug/L	94
16) Methylene chloride	2.53	84	49076	5.324 ug/L	96
17) Methyl tert-butyl Ether	2.79	73	109113	5.451 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	48122	5.653 ug/L	98
19) 1,1-Dichloroethane	3.22	63	93161	5.681 ug/L	98
21) 2-Butanone	4.02	43	128209	58.913 ug/L	100
22) cis-1,2-Dichloroethene	3.95	96	50177	5.630 ug/L	100

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

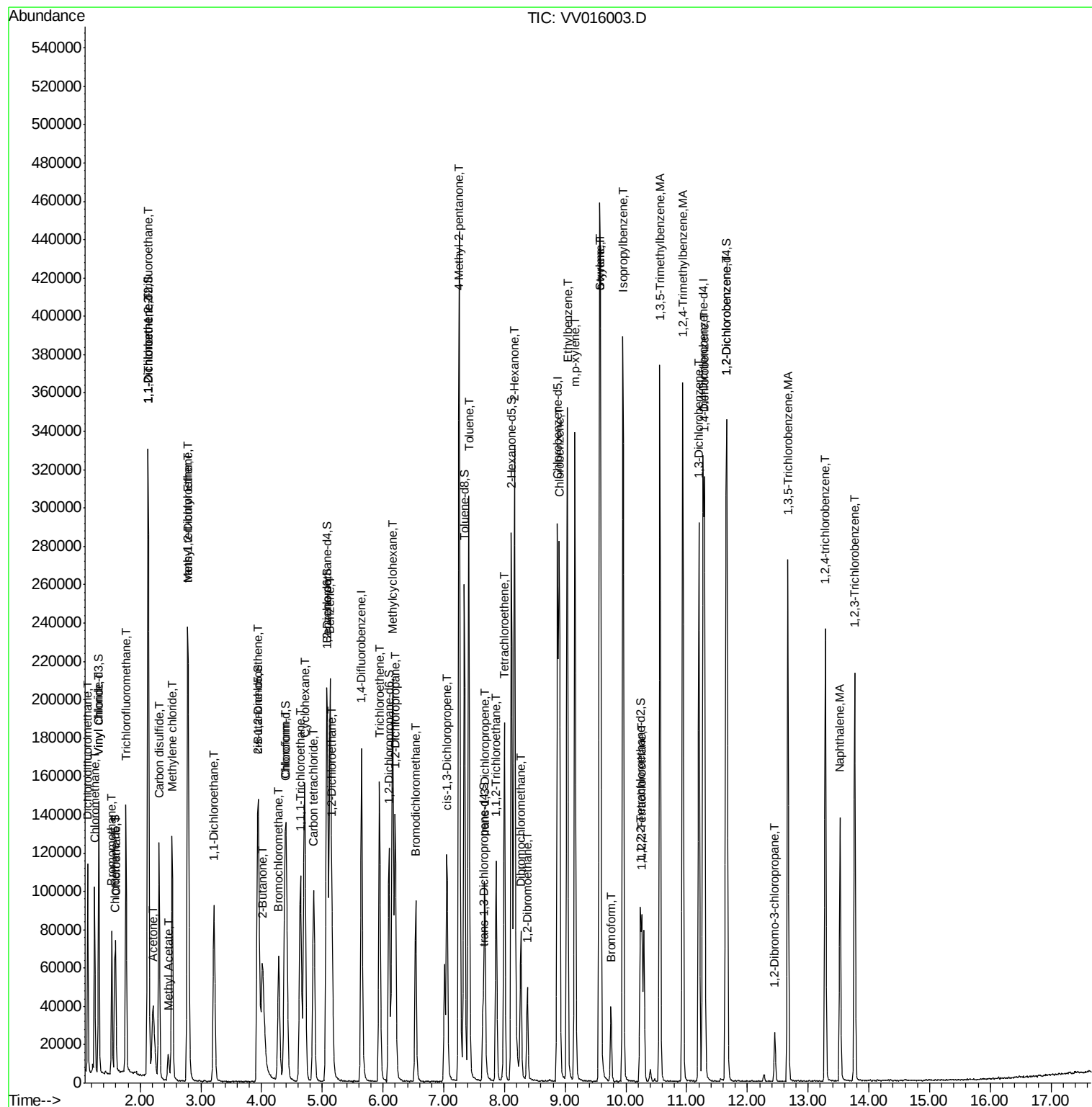
23) Bromochloromethane	4.28	128	21023	5.527	ug/L	92
25) Chloroform	4.41	83	99859	5.530	ug/L	99
27) 1,2-Dichloroethane	5.16	62	61361	5.530	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	84161	5.549	ug/L	99
30) Cyclohexane	4.71	56	82538	5.430	ug/L	99
31) Carbon tetrachloride	4.86	117	71641	5.473	ug/L	99
33) Benzene	5.13	78	197068	5.695	ug/L	100
34) Trichloroethene	5.94	95	52890	5.355	ug/L	93
35) Methylcyclohexane	6.16	83	80243	5.371	ug/L	99
37) 1,2-Dichloropropane	6.20	63	49413	5.620	ug/L	98
38) Bromodichloromethane	6.54	83	61761	5.532	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	65678	5.285	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	310410	56.646	ug/L	100
42) Toluene	7.41	91	208242	5.677	ug/L	97
43) 1,3,5-Trimethylbenzene	10.56	105	192129	5.706	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	189647	5.636	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	55216	5.260	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	32658	5.562	ug/L	99
49) Tetrachloroethene	8.00	164	38584	5.598	ug/L	96
50) 2-Hexanone	8.16	43	226907	58.553	ug/L	99
51) Dibromochloromethane	8.27	129	35967	5.452	ug/L	99
52) 1,2-Dibromoethane	8.38	107	30755	5.648	ug/L	98
53) Chlorobenzene	8.90	112	132772	5.628	ug/L	98
54) Ethylbenzene	9.04	91	234840	5.630	ug/L	100
55) m,p-xylene	9.16	106	87392	5.659	ug/L	98
56) o-xylene	9.57	106	83572	5.660	ug/L	99
57) Styrene	9.58	104	143384	5.806	ug/L	99
58) Isopropylbenzene	9.95	105	228897	5.643	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	36821	5.869	ug/L	99
62) Bromoform	9.75	173	16095	5.010	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	105210	5.584	ug/L	98
64) 1,4-Dichlorobenzene	11.30	146	104644	5.528	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	96909	5.683	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	6297	5.658	ug/L	90
68) 1,3,5-Trichlorobenzene	12.67	180	74492	5.407	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	62518	5.282	ug/L	99
70) Naphthalene	13.53	128	100841	5.356	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	55780	5.342	ug/L	99

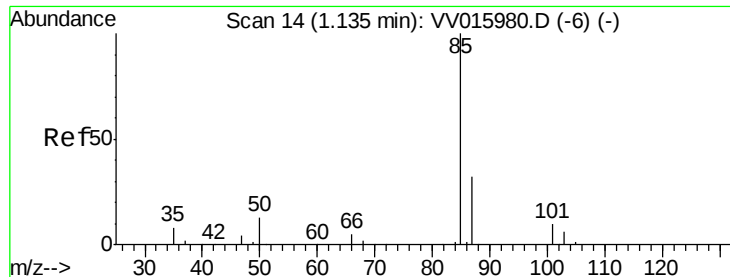
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.294 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

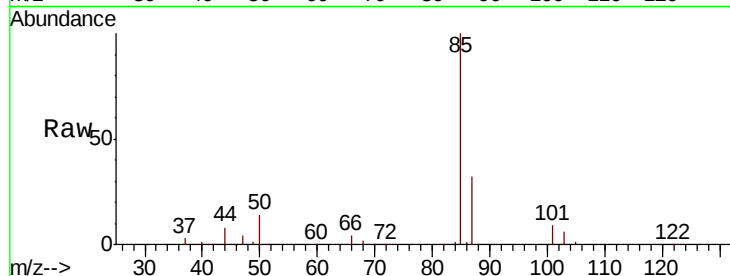
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 56785

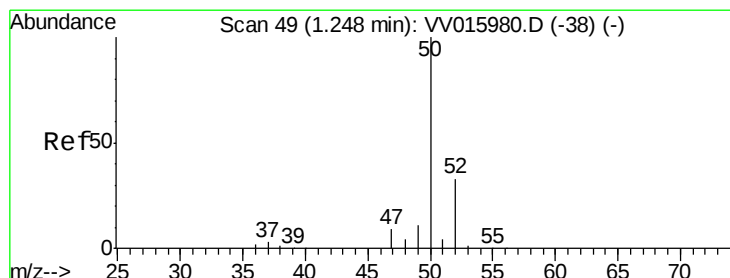
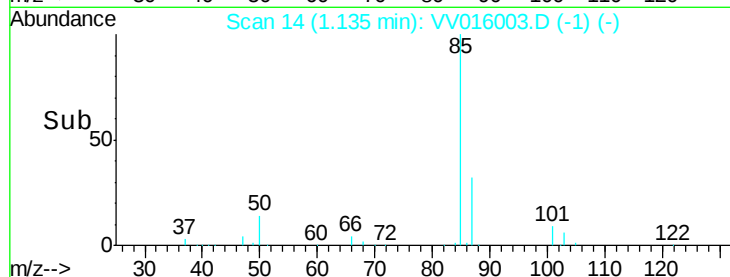
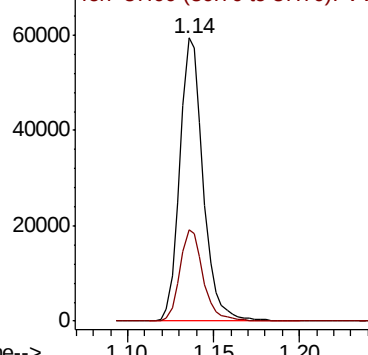
Ion Ratio Lower Upper

85 100

87 32.1 26.4 39.6



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



#3

Chloromethane

Concen: 5.328 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016003.D

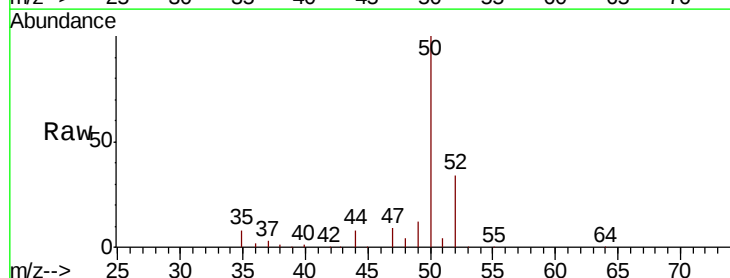
Acq: 11 May 2020 20:48

Tgt Ion: 50 Resp: 57863

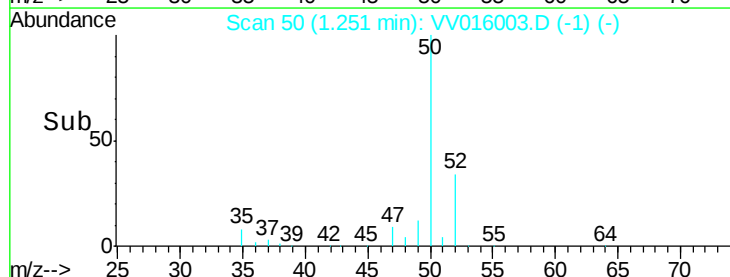
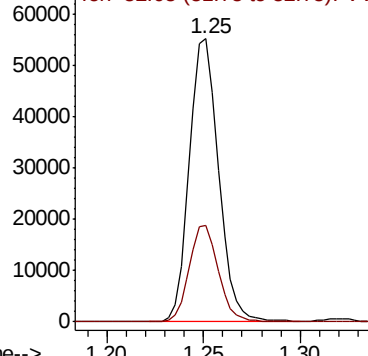
Ion Ratio Lower Upper

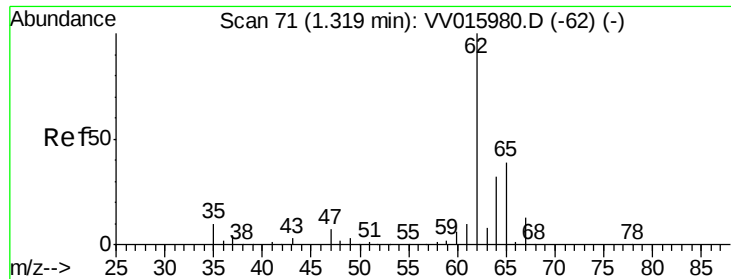
50 100

52 34.0 22.8 42.4



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





#5

Vinyl chloride

Concen: 5.489 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

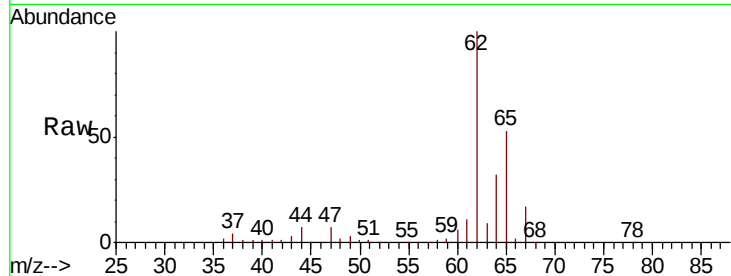
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 57004

Ion Ratio Lower Upper

62 100

64 32.0 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

50000

40000

30000

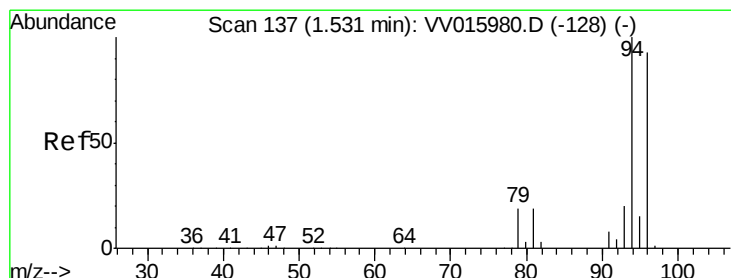
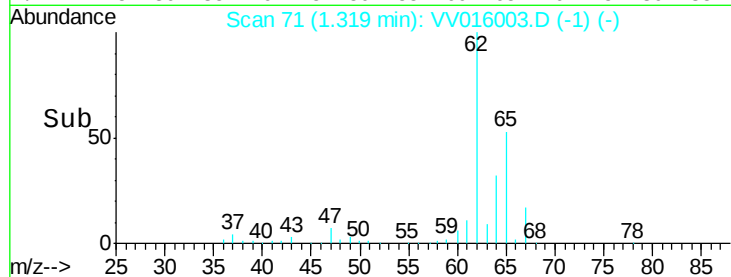
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.014 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016003.D

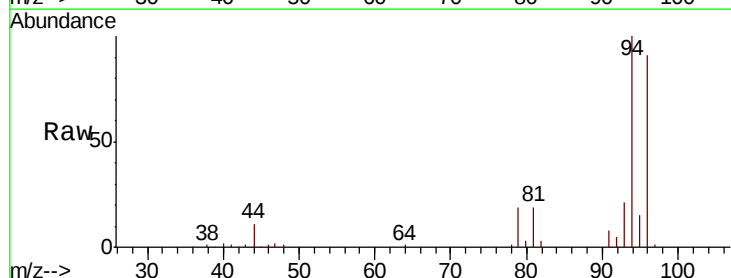
Acq: 11 May 2020 20:48

Tgt Ion: 94 Resp: 29549

Ion Ratio Lower Upper

94 100

96 90.8 65.4 121.4



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

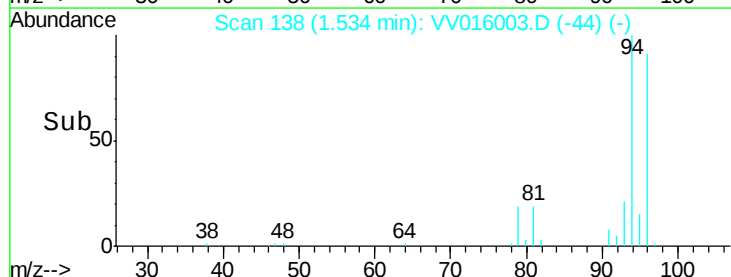
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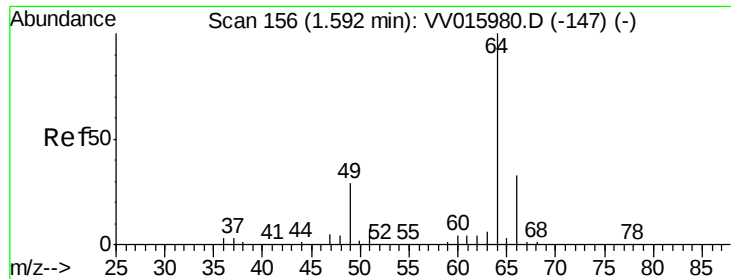
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0

Time-->

1.50 1.55 1.60

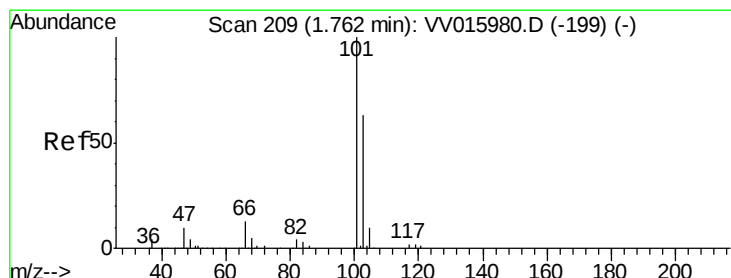
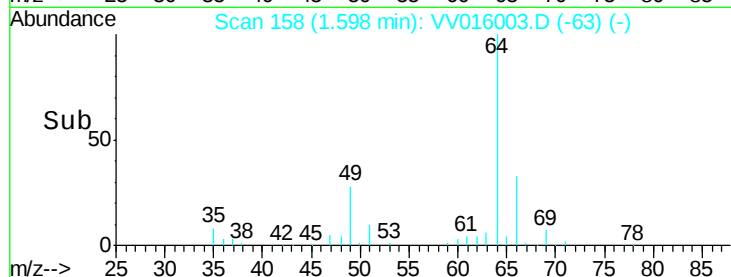
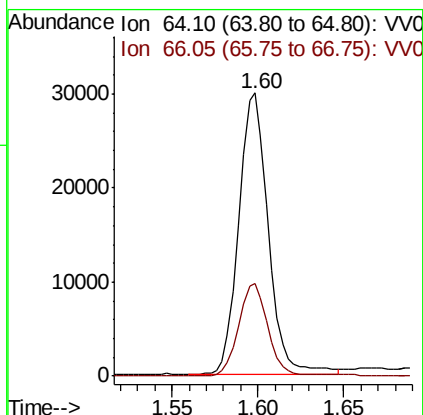
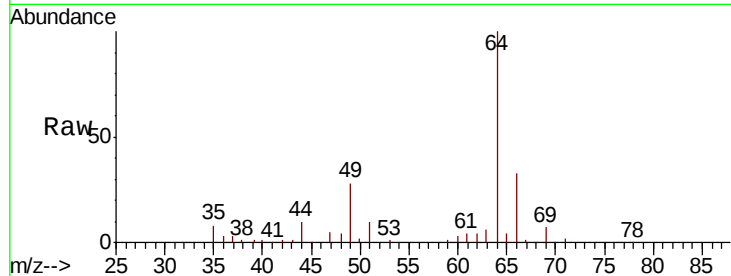




#8
Chloroethane
Concen: 4.816 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.01 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

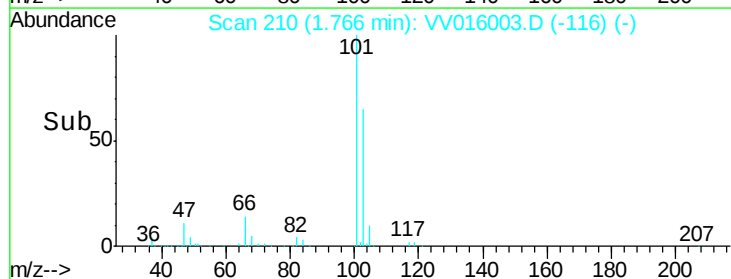
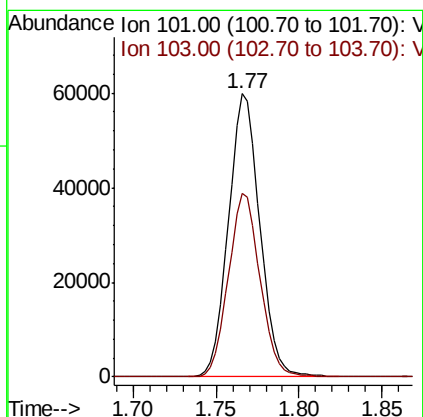
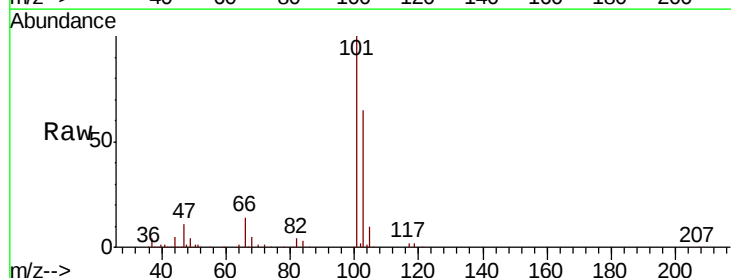
Instrument :
MSVOA_V
ClientSampleId :

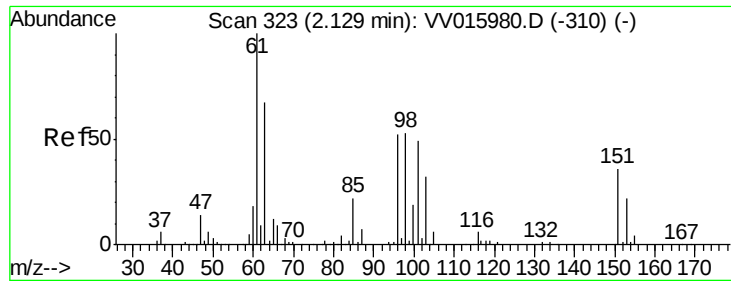
Tot Ion: 64 Resp: 35634
Ion Ratio Lower Upper
64 100
66 32.9 23.6 43.8



#9
Trichlorofluoromethane
Concen: 5.537 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion:101 Resp: 78871
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.2





#10

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

Concen: 5.386 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

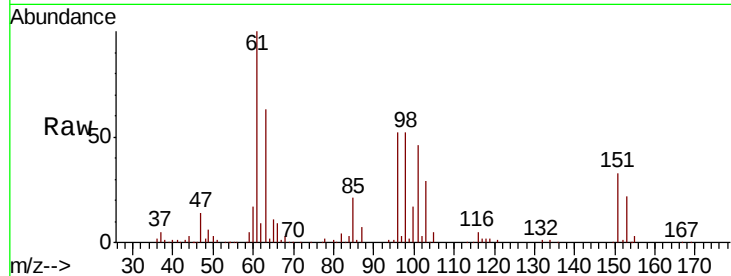
Tot Ion:101 Resp: 43335

Ion Ratio Lower Upper

101 100

85 47.2 35.7 53.5

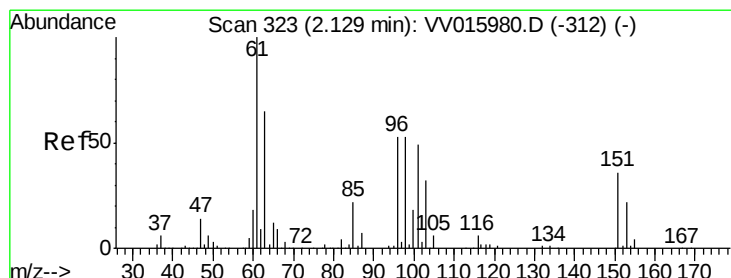
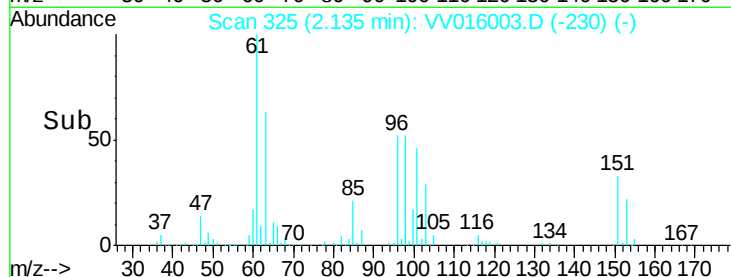
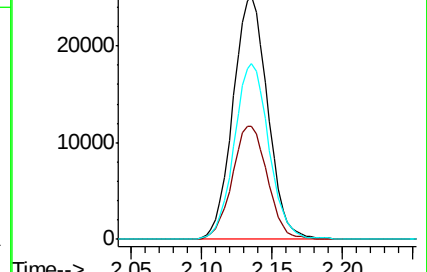
151 71.9 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV015980.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV015980.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV015980.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.424 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

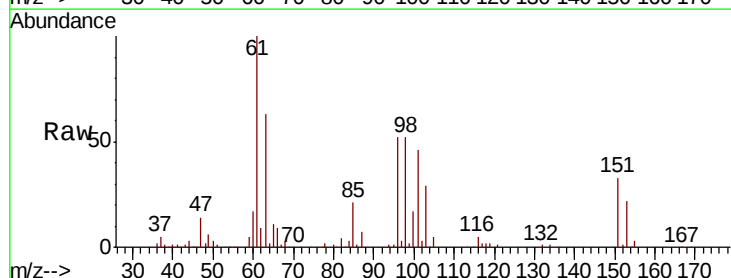
Tgt Ion: 96 Resp: 41786

Ion Ratio Lower Upper

96 100

61 191.3 139.9 259.7

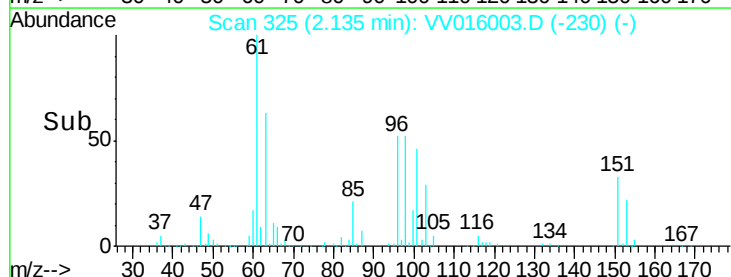
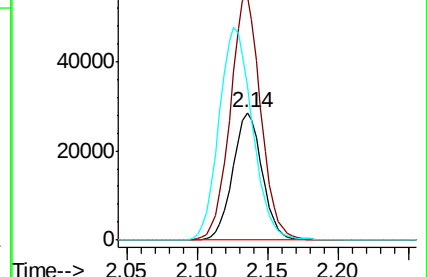
63 121.2 106.4 197.6

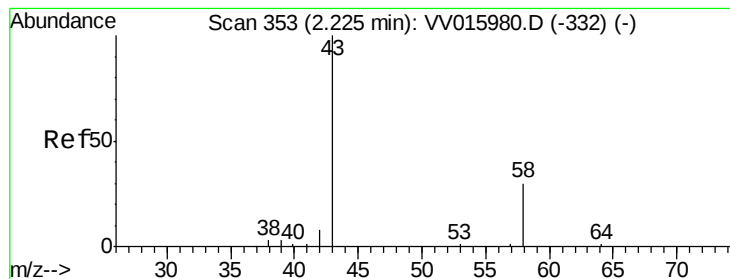


Abundance Ion 96.00 (95.70 to 96.70): VV015980.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV015980.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV015980.D (-312) (-)





#13

Acetone

Concen: 54.423 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

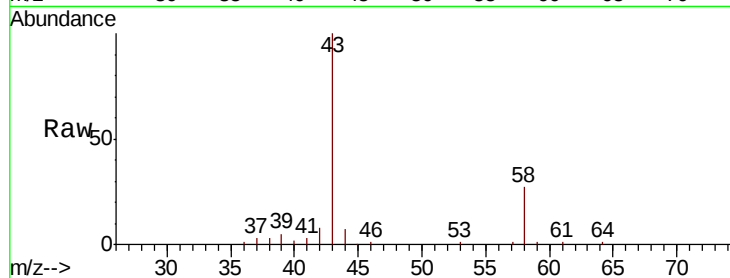
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 77770

Ion Ratio Lower Upper

43 100

58 28.7 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015980.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV015980.D (-332) (-)

2.21

25000

20000

15000

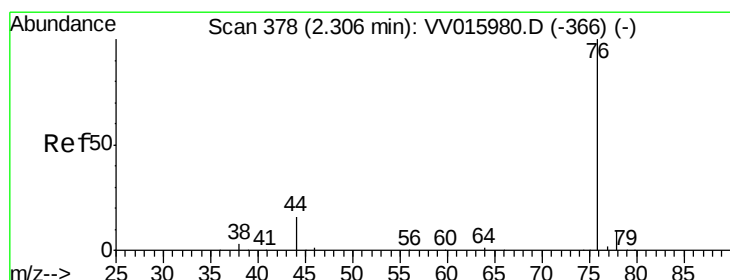
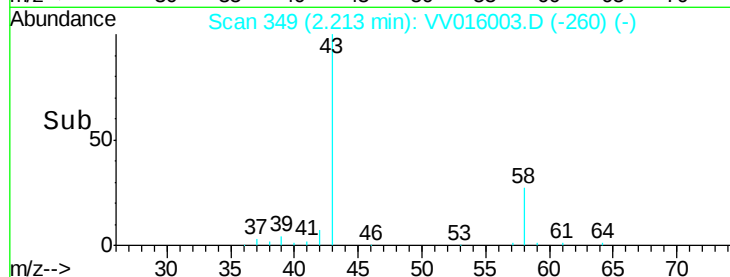
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5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.366 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV016003.D

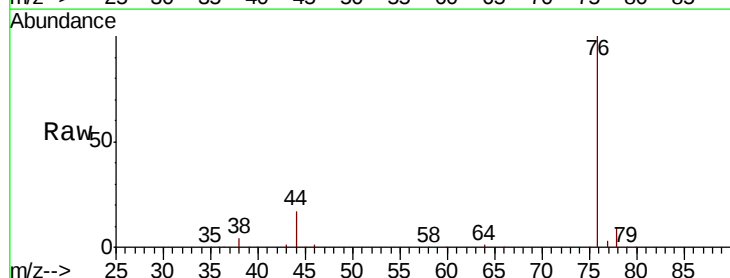
Acq: 11 May 2020 20:48

Tgt Ion: 76 Resp: 136480

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015980.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV015980.D (-366) (-)

2.31

100000

80000

60000

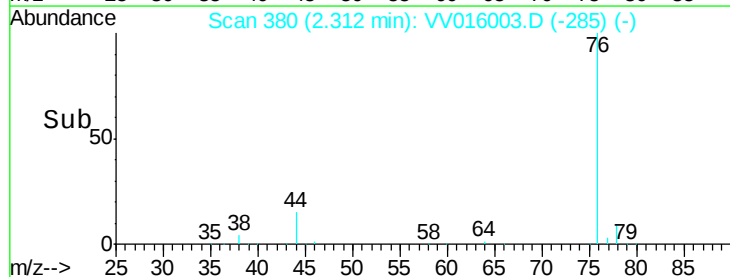
40000

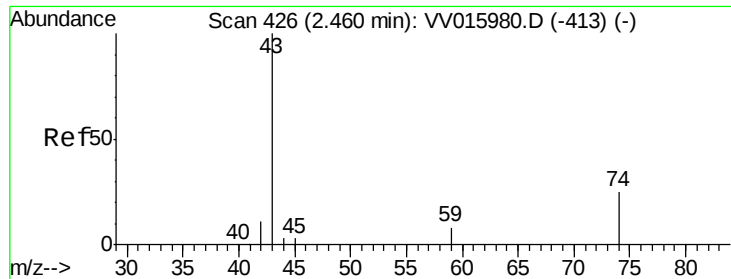
20000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methvl Acetate

Concen: 5.946 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

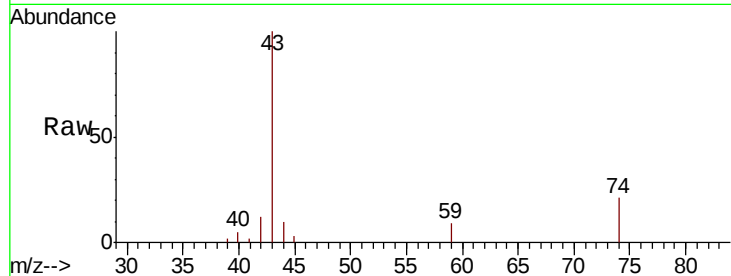
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 19635

Ion Ratio Lower Upper

43 100

74 20.9 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VV016003.D (-333) (-)

Ion 74.05 (73.75 to 74.75): VV016003.D (-333) (-)

2.46

10000

8000

6000

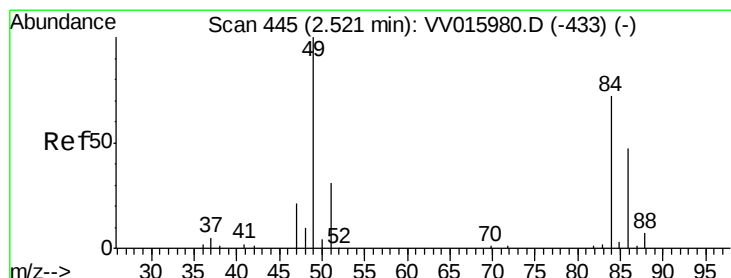
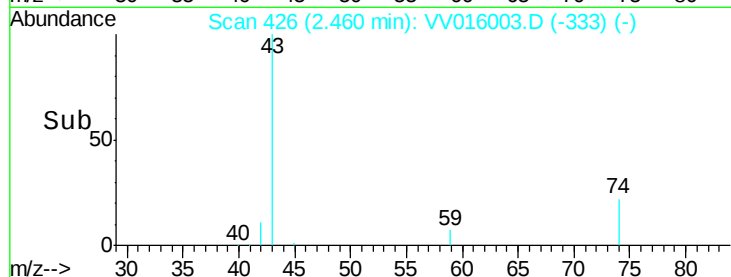
4000

2000

0

Time-->

2.40 2.50 2.60



#16

Methylene chloride

Concen: 5.324 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

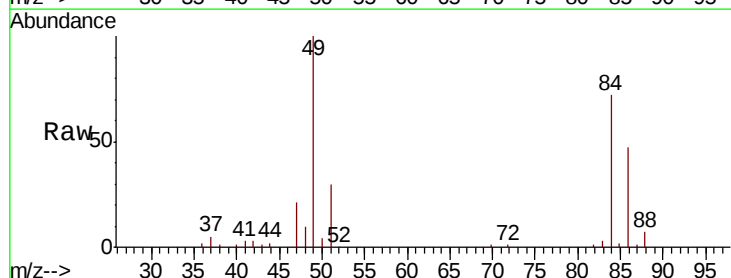
Tgt Ion: 84 Resp: 49076

Ion Ratio Lower Upper

84 100

86 66.0 45.6 84.8

49 139.7 93.6 173.8



Abundance Ion 84.05 (83.75 to 84.75): VV016003.D (-352) (-)

Ion 86.00 (85.70 to 86.70): VV016003.D (-352) (-)

Ion 49.10 (48.80 to 49.80): VV016003.D (-352) (-)

2.53

50000

40000

30000

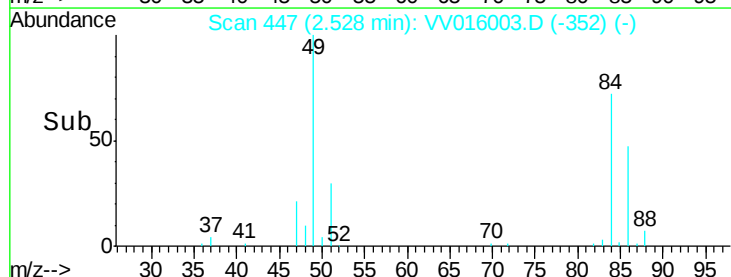
20000

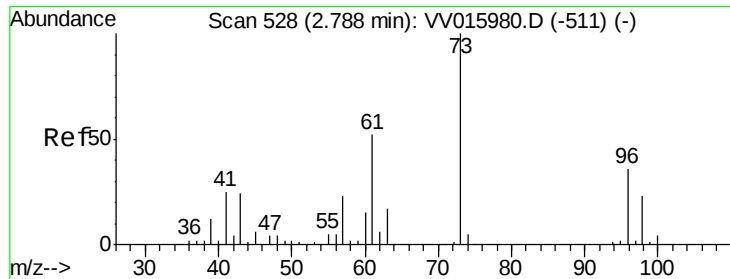
10000

0

Time-->

2.45 2.50 2.55 2.60

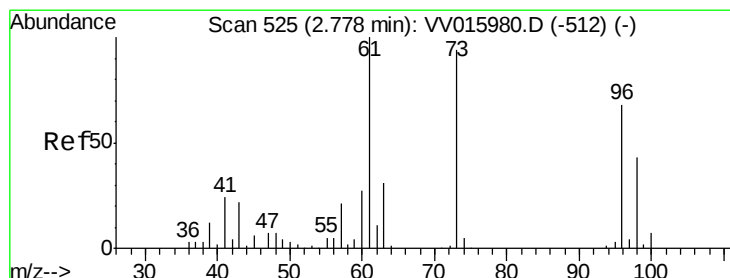
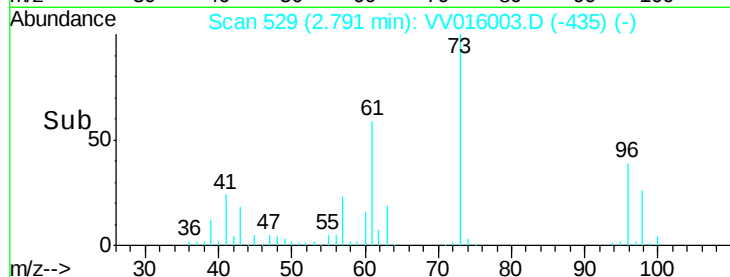
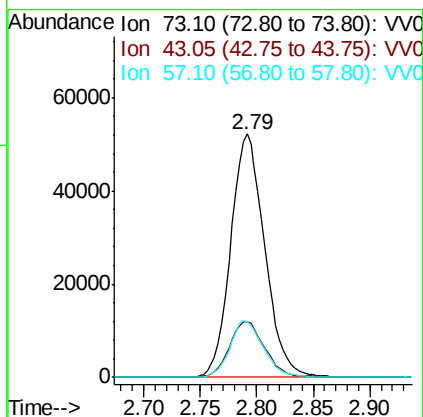
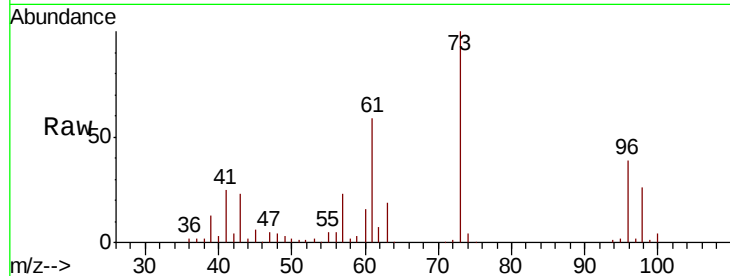




#17
Methvl tert-butvl Ether
Concen: 5.451 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

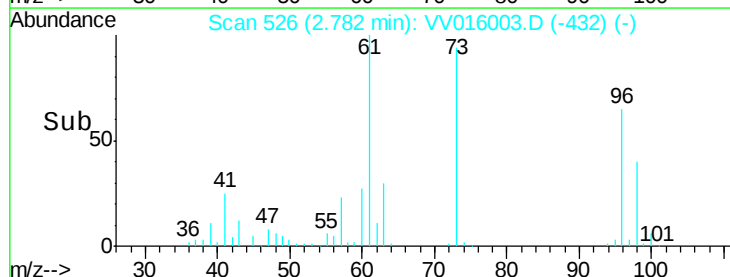
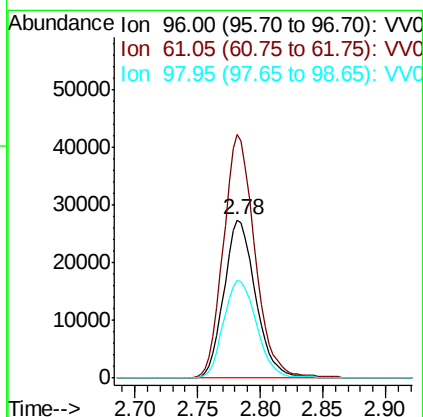
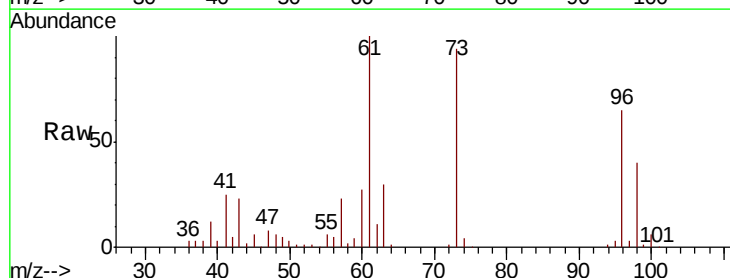
Instrument :
MSVOA_V
ClientSampleId :

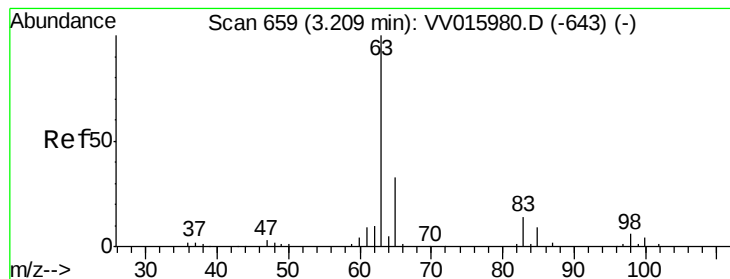
Tot Ion: 73 Resp: 109113
Ion Ratio Lower Upper
73 100
43 24.2 18.8 28.2
57 23.1 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.653 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion: 96 Resp: 48122
Ion Ratio Lower Upper
96 100
61 153.9 105.3 195.5
98 61.6 44.0 81.6





#19

1,1-Dichloroethane

Concen: 5.681 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

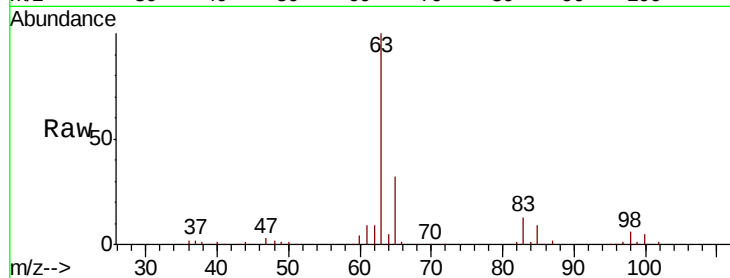
Tot Ion: 63 Resp: 93161

Ion Ratio Lower Upper

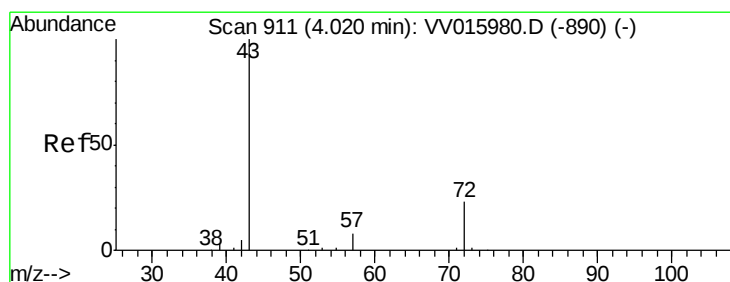
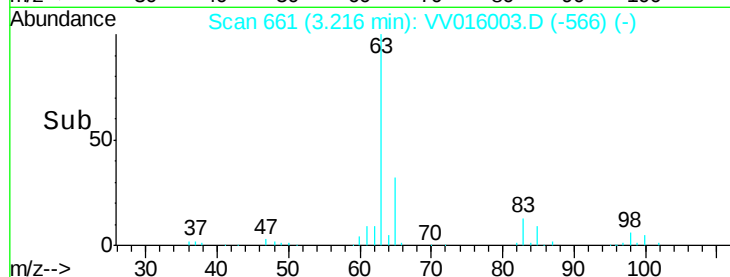
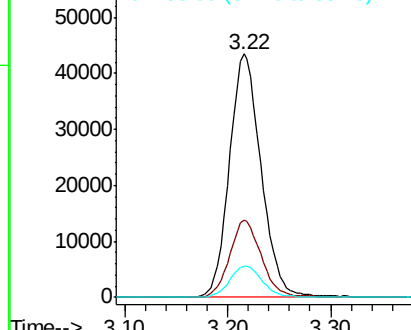
63 100

65 31.9 22.0 41.0

83 12.6 9.8 18.2



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: 58.913 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV016003.D

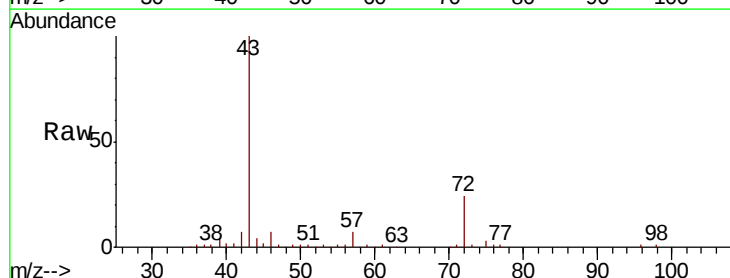
Acq: 11 May 2020 20:48

Tgt Ion: 43 Resp: 128209

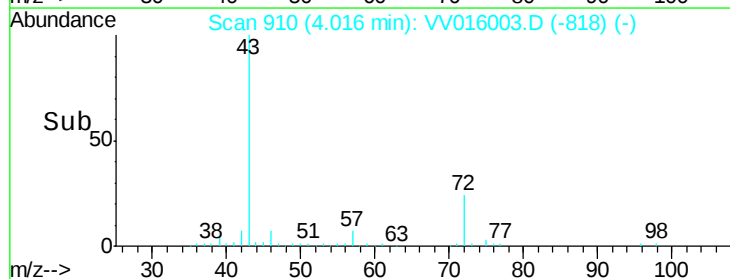
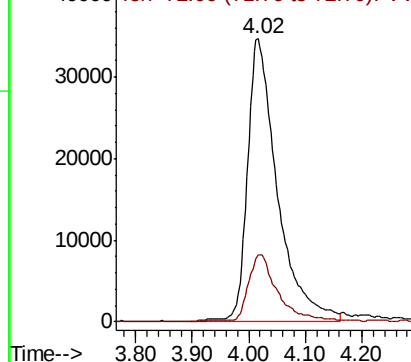
Ion Ratio Lower Upper

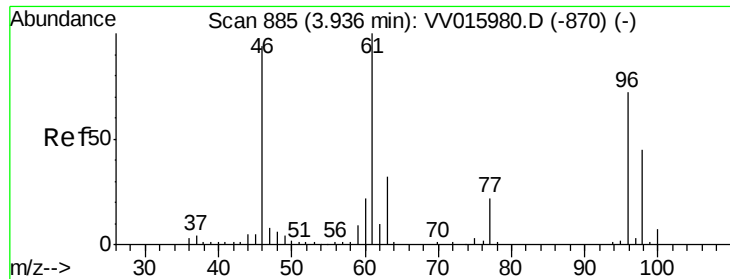
43 100

72 21.2 10.5 31.5



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



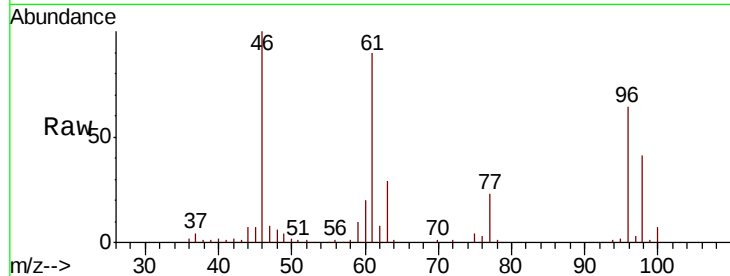


#22

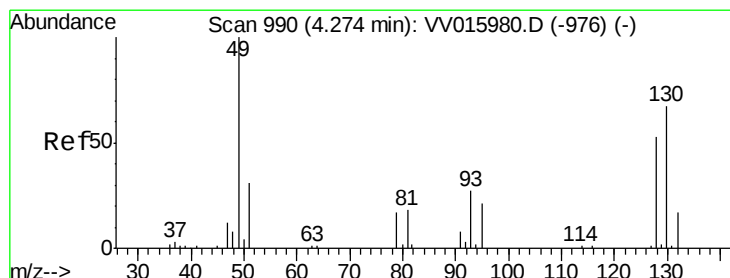
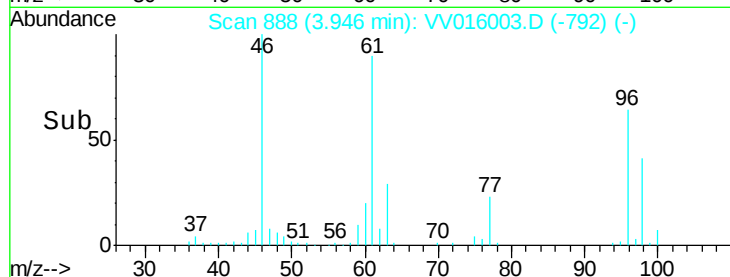
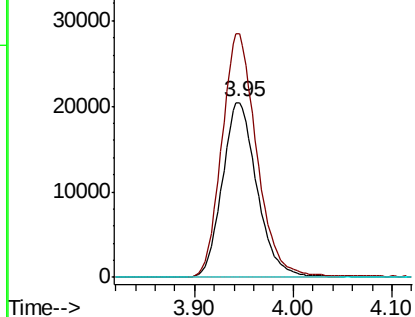
cis-1,2-Dichloroethene
Concen: 5.630 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 50177
Ion Ratio Lower Upper
96 100
61 139.0 97.2 180.6
68 0.0 0.0 0.0



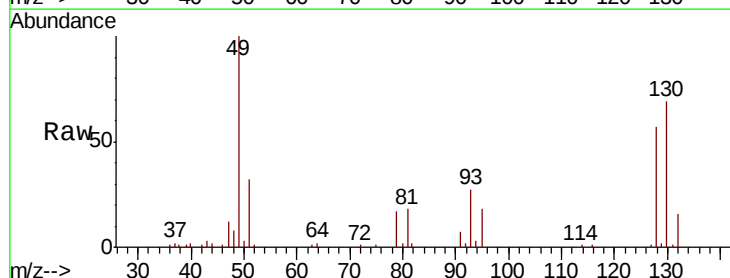
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



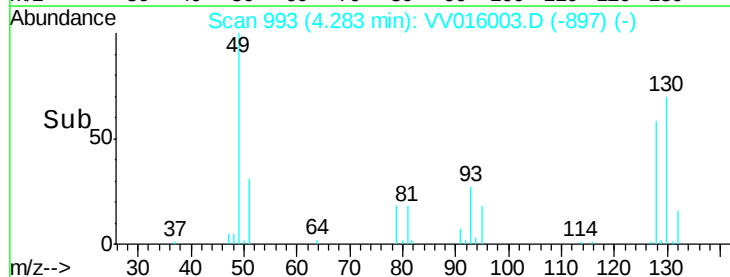
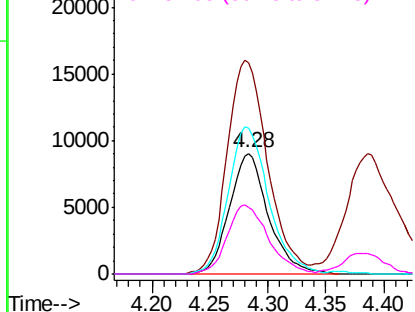
#23

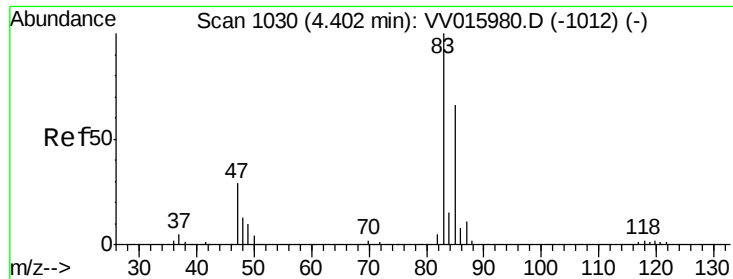
Bromochloromethane
Concen: 5.527 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion: 128 Resp: 21023
Ion Ratio Lower Upper
128 100
49 175.5 131.3 243.8
130 120.9 91.8 170.4
51 55.7 48.8 73.2



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

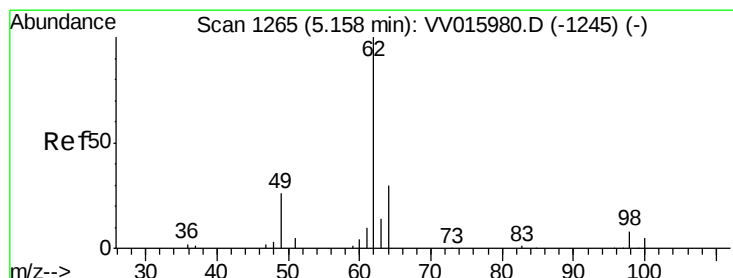
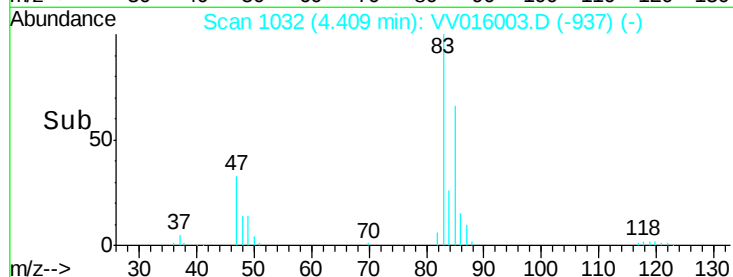
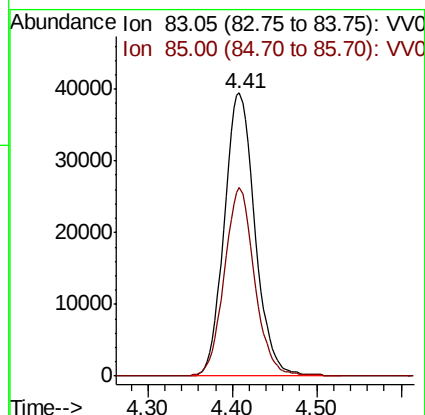
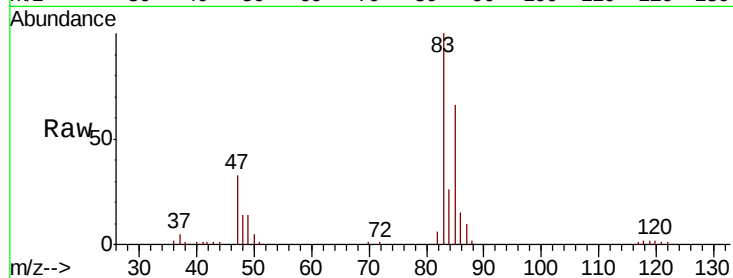




#25
Chloroform
Concen: 5.530 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

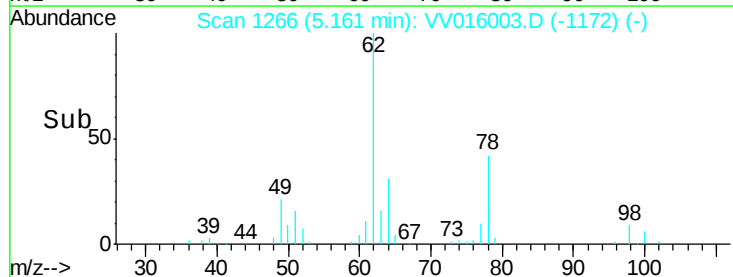
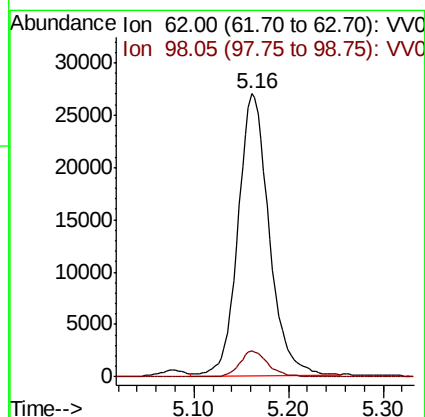
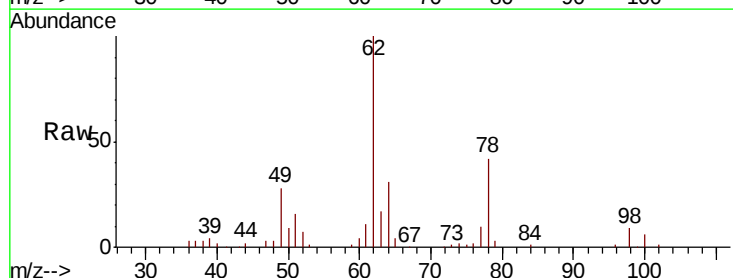
Instrument :
MSVOA_V
ClientSampleId :

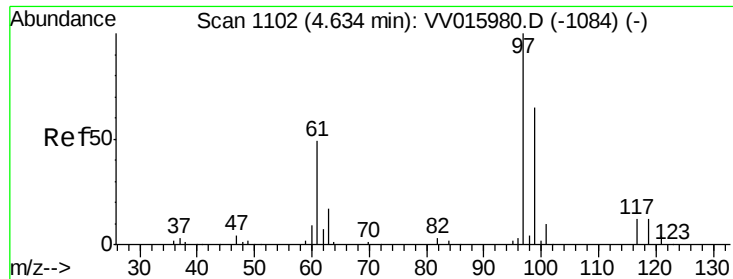
Tot Ion: 83 Resp: 99859
Ion Ratio Lower Upper
83 100
85 66.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.530 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion: 62 Resp: 61361
Ion Ratio Lower Upper
62 100
98 9.2 6.7 10.1

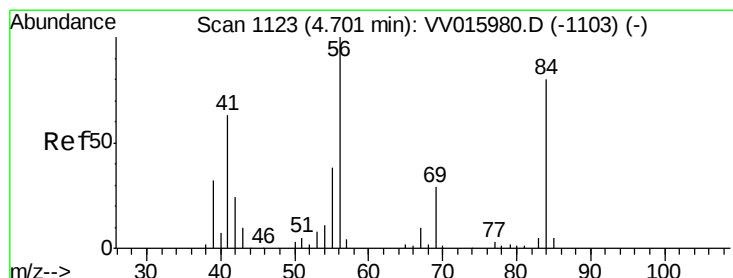
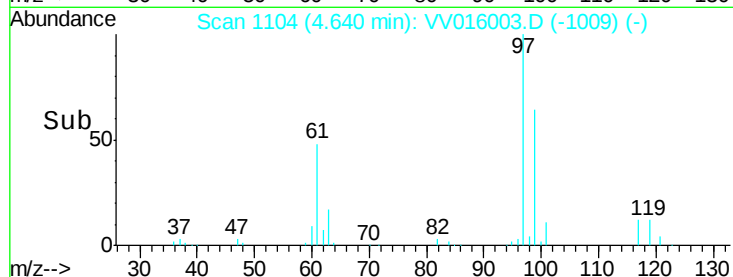
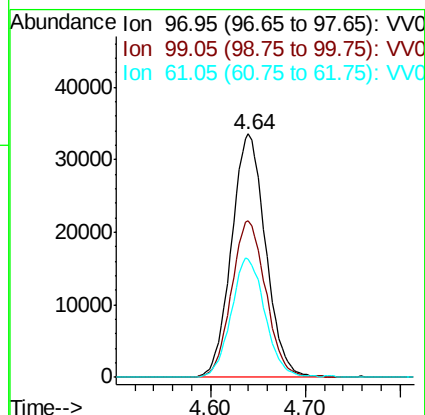
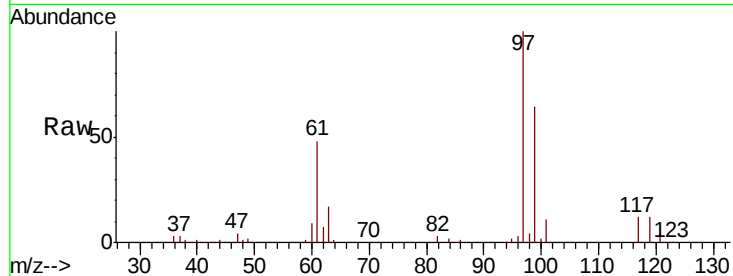




#29
 1,1,1-Trichloroethane
 Concen: 5.549 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

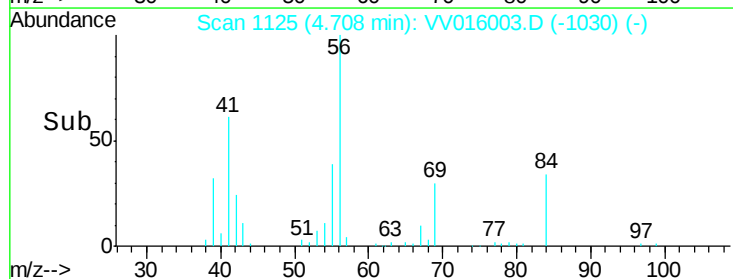
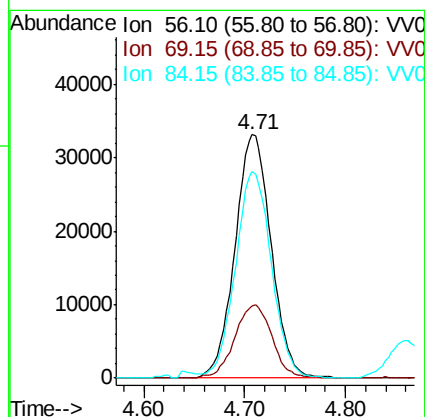
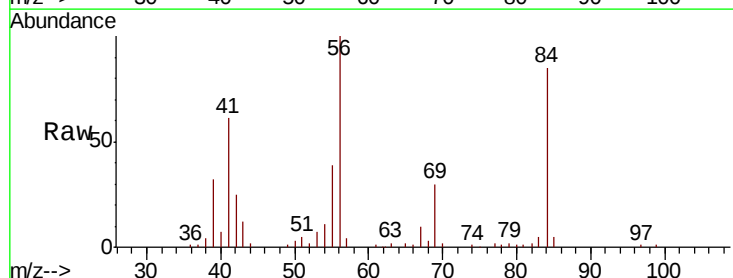
Instrument :
 MSVOA_V
 ClientSampleId :

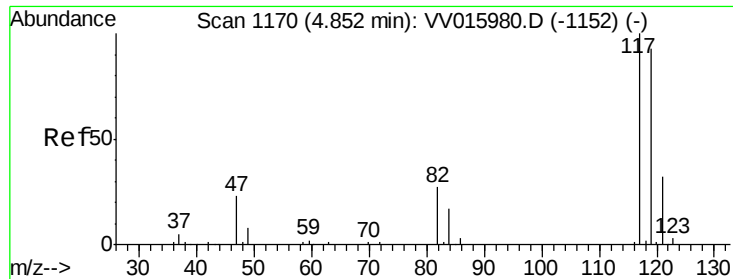
Tot Ion: 97 Resp: 84161
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.7 76.1
 61 48.4 38.8 58.2



#30
 Cyclohexane
 Concen: 5.430 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion: 56 Resp: 82538
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.2 36.2
 84 84.1 68.3 102.5





#31

Carbon tetrachloride

Concen: 5.473 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

Instrument :

MSVOA_V

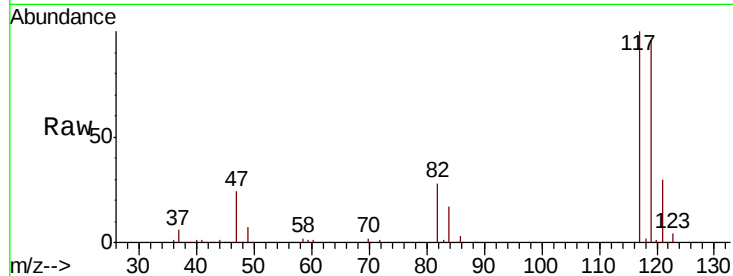
ClientSampleId :

Tot Ion:117 Resp: 71641

Ion Ratio Lower Upper

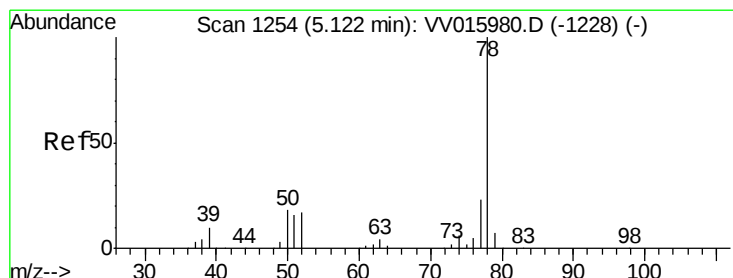
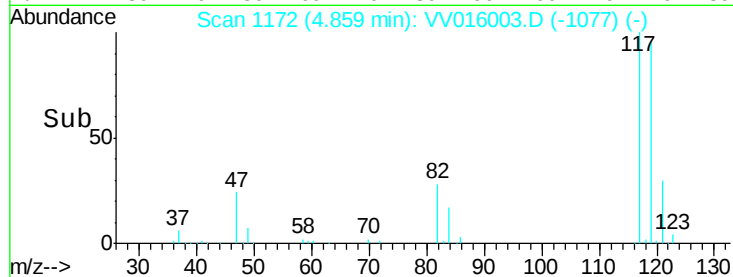
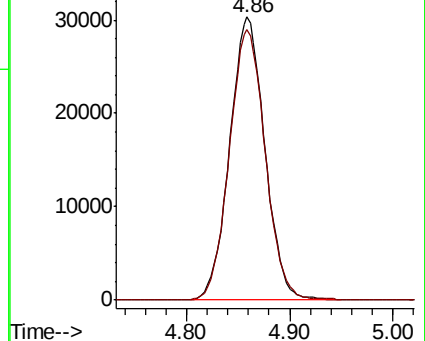
117 100

119 97.6 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.695 ug/L

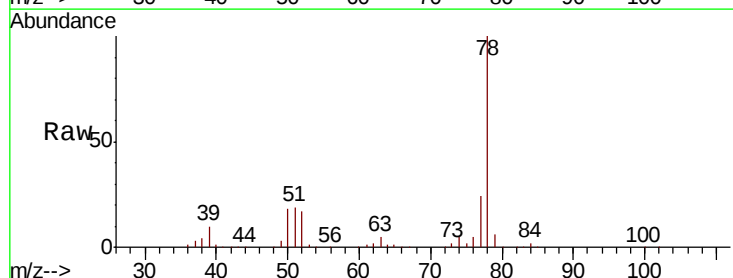
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

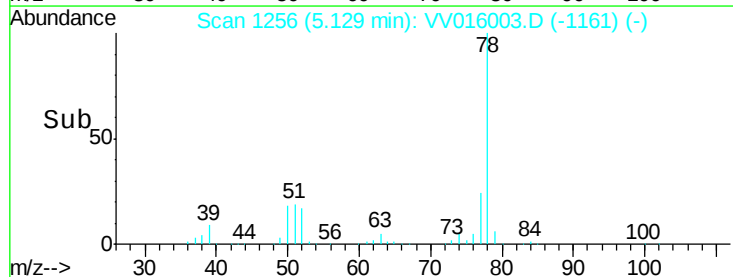
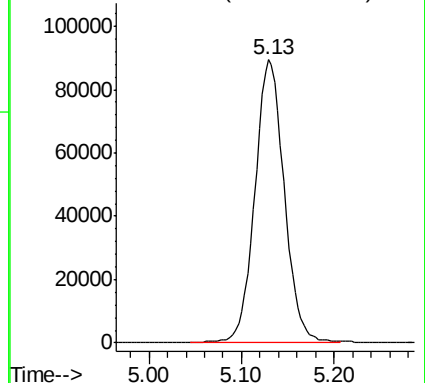
Lab File: VV016003.D

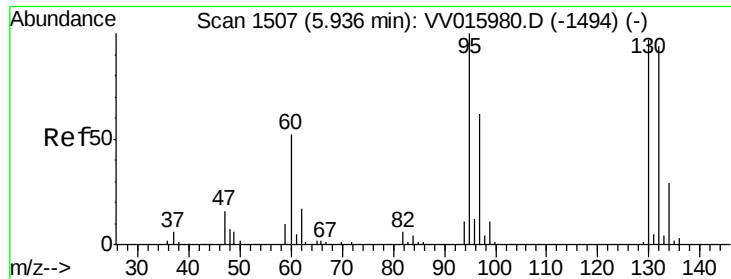
Acq: 11 May 2020 20:48

Tgt Ion: 78 Resp: 197068



Abundance Ion 78.10 (77.80 to 78.80): VV0

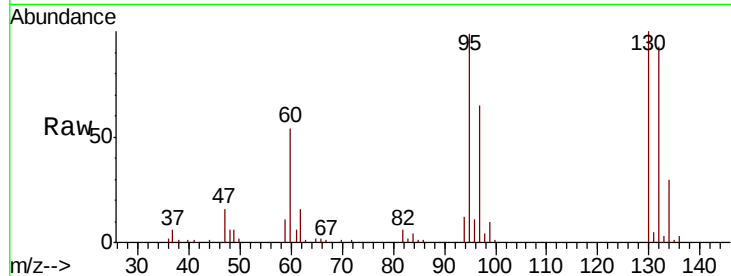




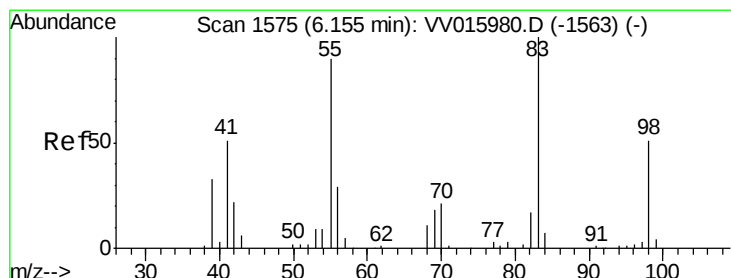
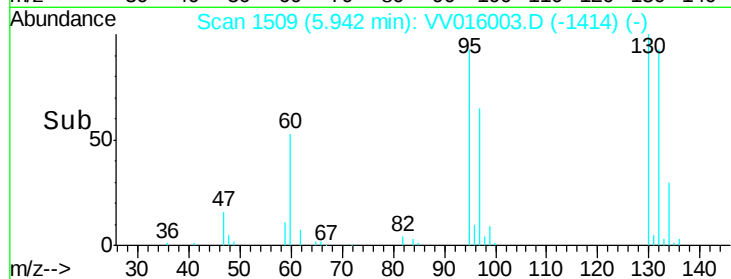
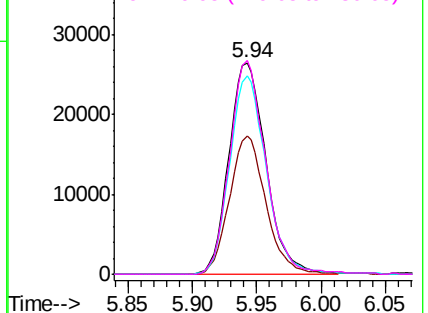
#34
 Trichloroethene
 Concen: 5.355 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 52890
 Ion Ratio Lower Upper
 95 100
 97 65.2 43.3 80.5
 132 93.7 60.3 112.1
 130 100.9 66.0 122.6

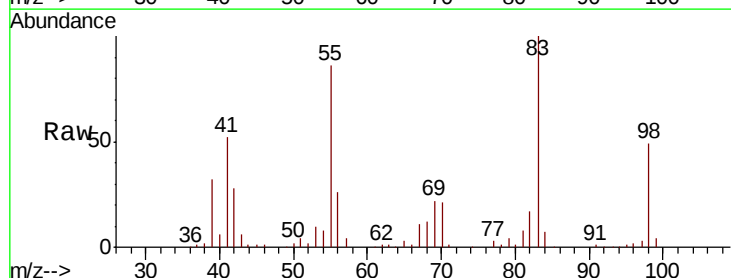


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

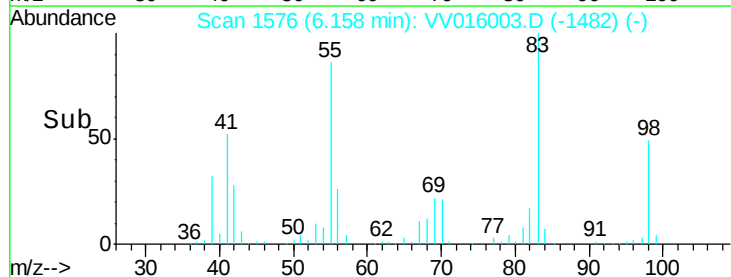
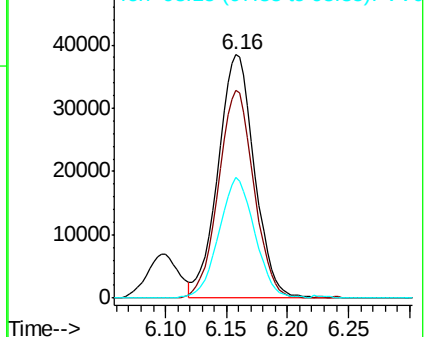


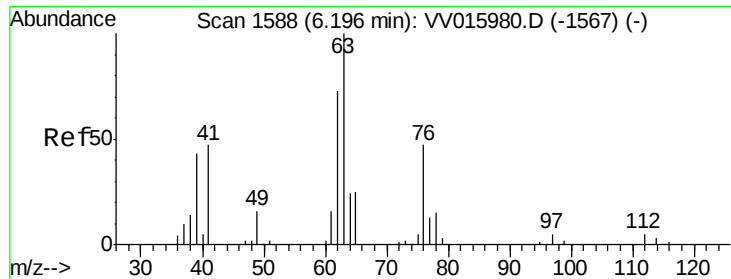
#35
 Methylcyclohexane
 Concen: 5.371 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion: 83 Resp: 80243
 Ion Ratio Lower Upper
 83 100
 55 83.3 66.2 99.2
 98 48.8 37.9 56.9



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: 5.620 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

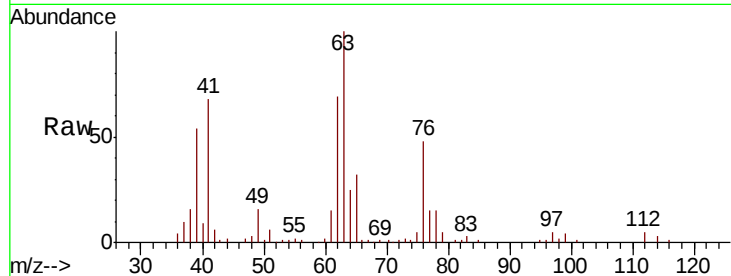
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 49413

Ion Ratio Lower Upper

63 100

112 4.9 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV015980.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV015980.D (-1567) (-)

25000

20000

15000

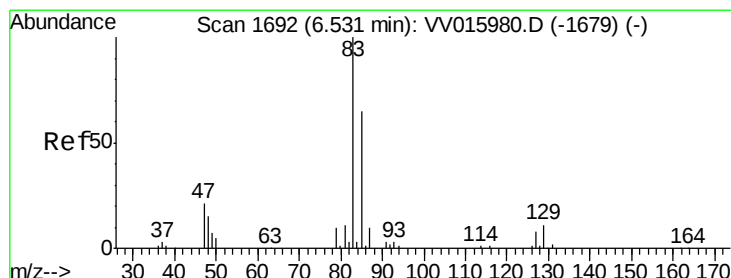
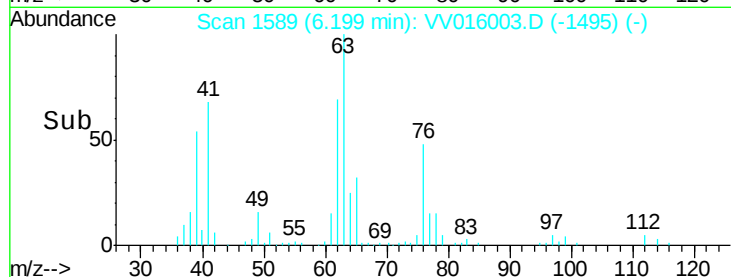
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.532 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

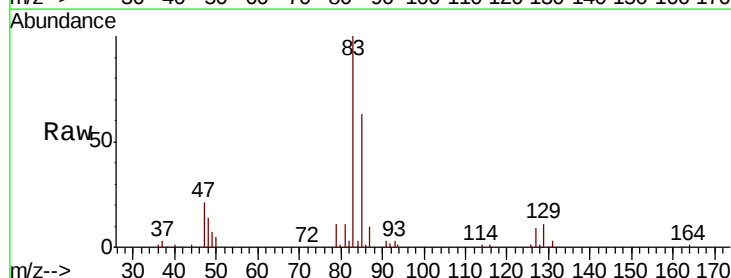
Tgt Ion: 83 Resp: 61761

Ion Ratio Lower Upper

83 100

85 63.4 45.5 84.5

127 8.9 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VV015980.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015980.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015980.D (-1679) (-)

40000

30000

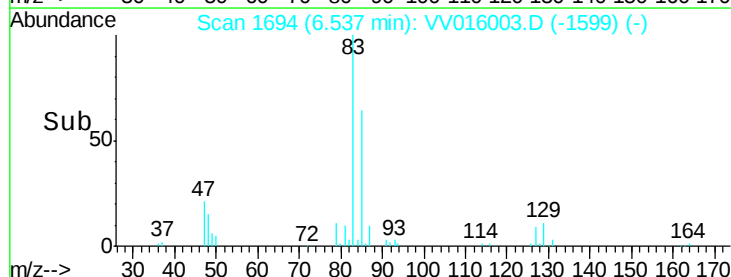
20000

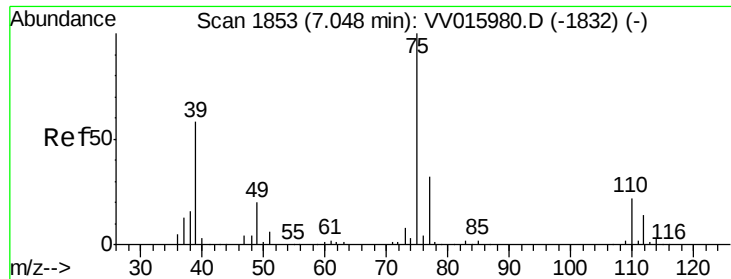
10000

0

6.50 6.54 6.60

Time-->

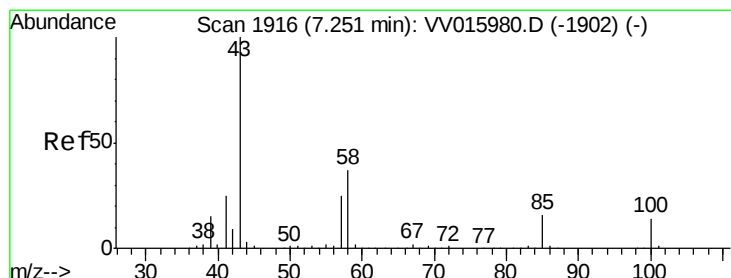
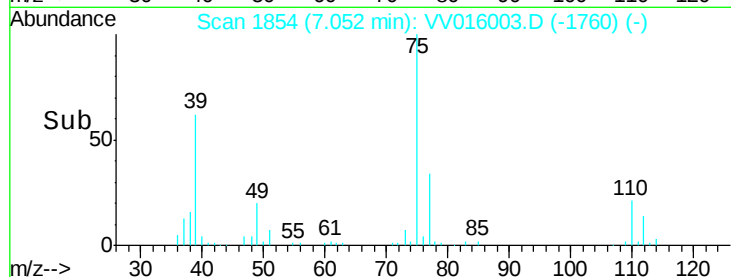
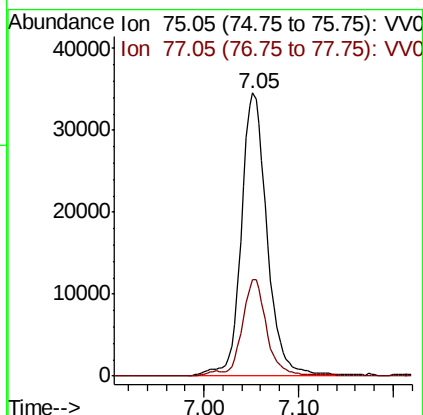
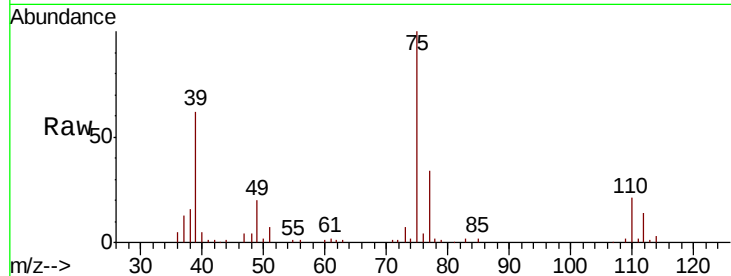




#39
 cis-1,3-Dichloropropene
 Concen: 5.285 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

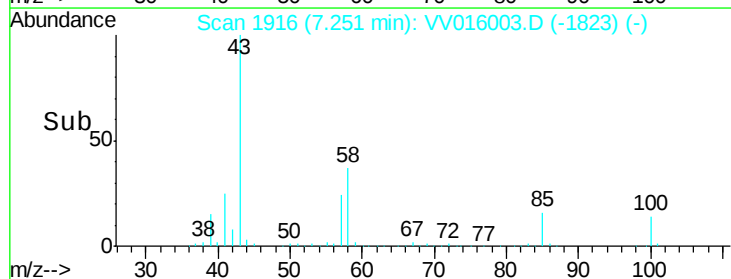
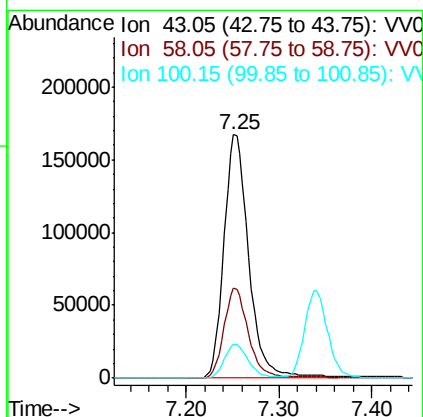
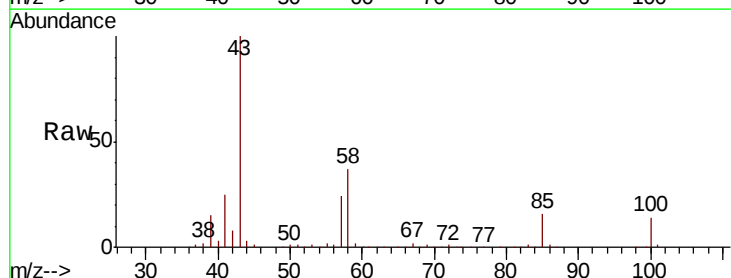
Instrument :
 MSVOA_V
 ClientSampleId :

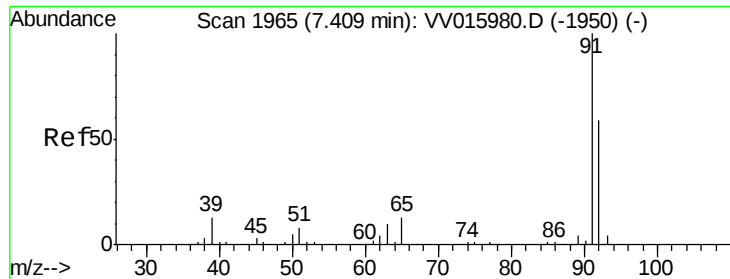
Tot Ion: 75 Resp: 65678
 Ion Ratio Lower Upper
 75 100
 77 34.2 21.3 39.5



#40
 4-Methyl-2-pentanone
 Concen: 56.646 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion: 43 Resp: 310410
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.0 43.4
 100 13.6 10.9 16.3





#42

Toluene

Concen: 5.677 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

Instrument :

MSVOA_V

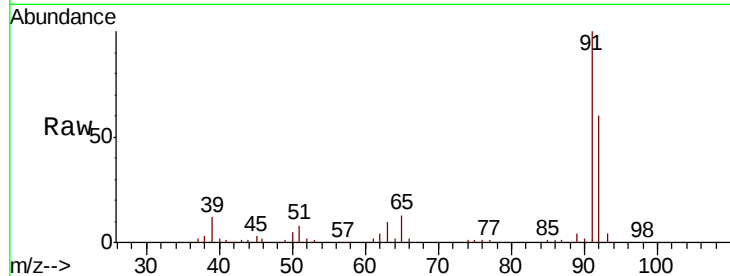
ClientSampleId :

Tot Ion: 91 Resp: 208242

Ion Ratio Lower Upper

91 100

92 59.7 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV015980.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV015980.D (-1950) (-)

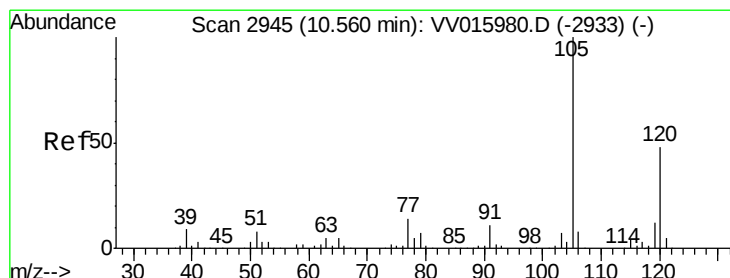
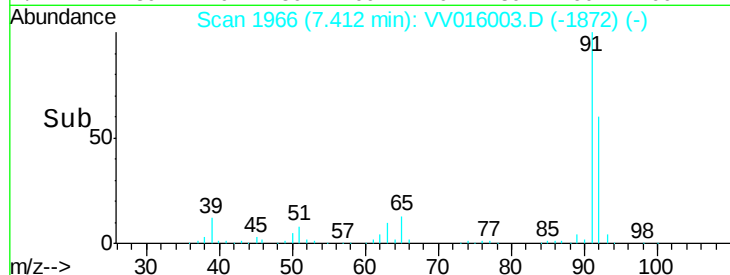
7.41

100000

50000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 5.706 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016003.D

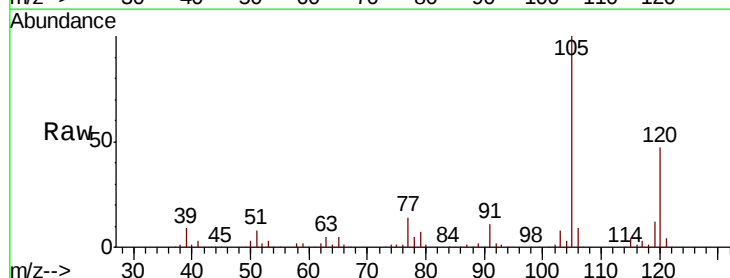
Acq: 11 May 2020 20:48

Tgt Ion:105 Resp: 192129

Ion Ratio Lower Upper

105 100

120 46.7 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): VV015980.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV015980.D (-2933) (-)

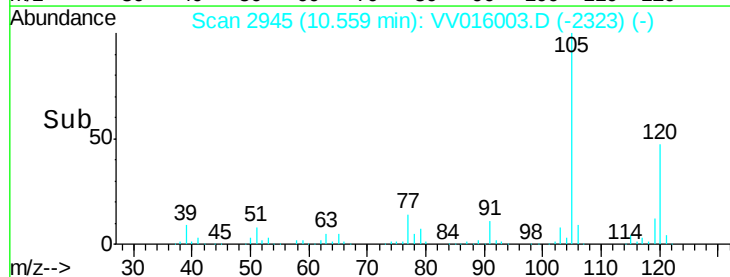
150000

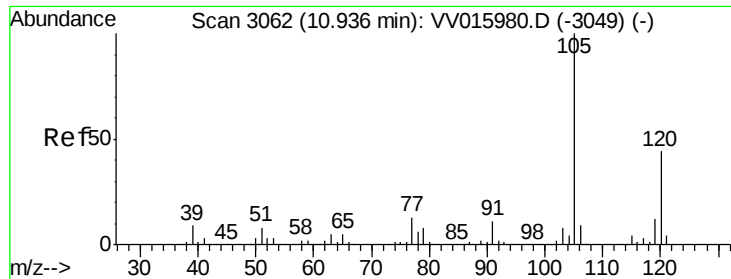
100000

50000

0

Time-->

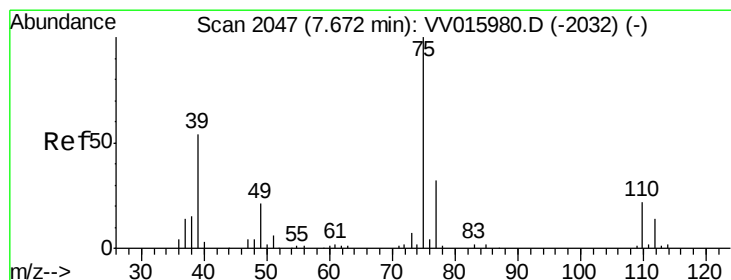
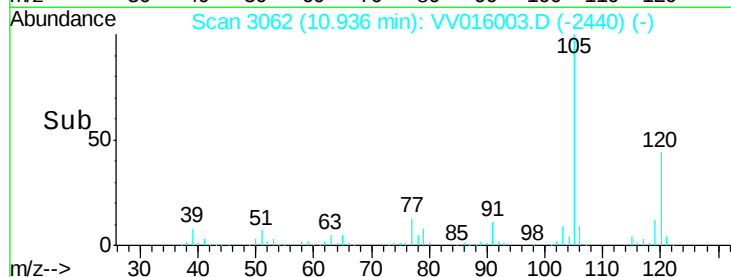
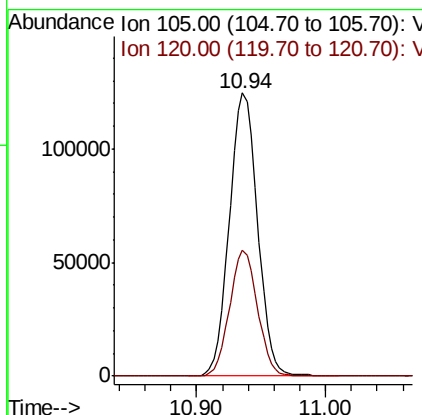
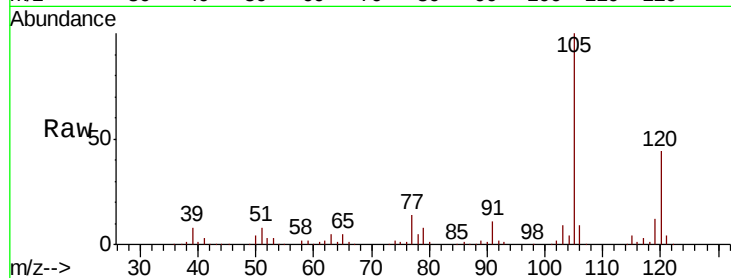




#44
 1,2,4-Trimethylbenzene
 Concen: 5.636 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

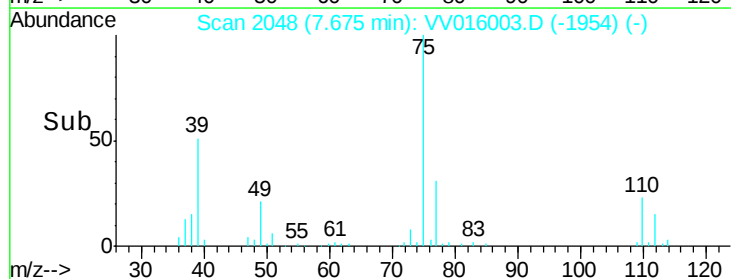
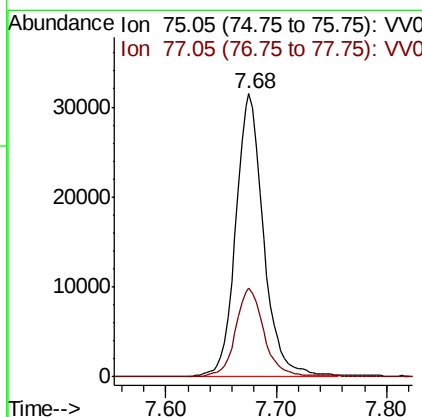
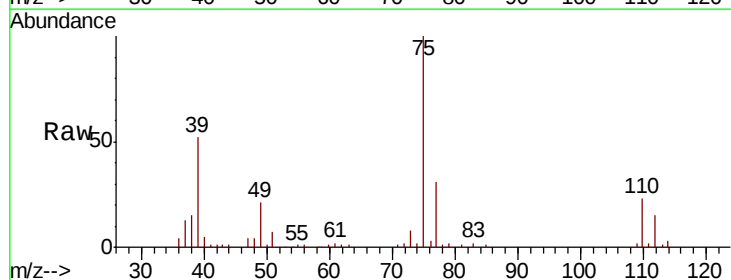
Instrument :
 MSVOA_V
 ClientSampled :

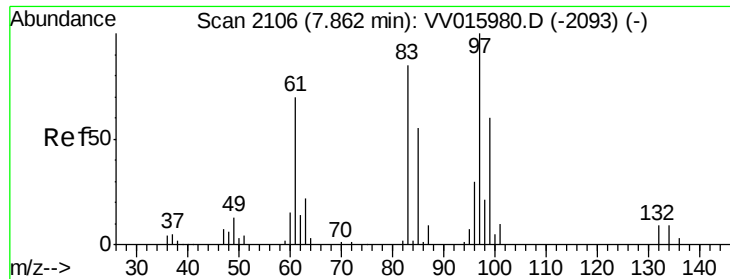
Tot Ion:105 Resp: 189647
 Ion Ratio Lower Upper
 105 100
 120 44.0 0.0 0.0#



#46
 trans-1,3-Dichloropropene
 Concen: 5.260 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion: 75 Resp: 55216
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.3 39.6

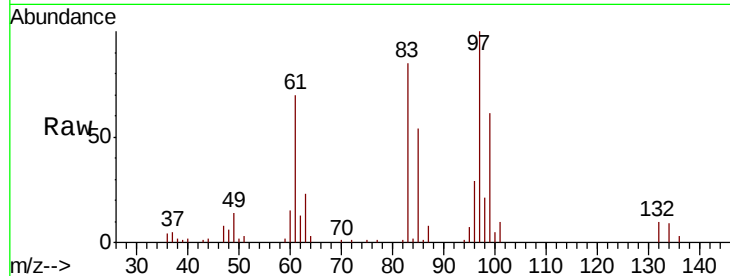




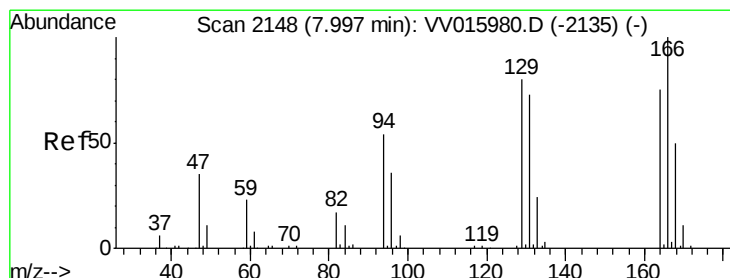
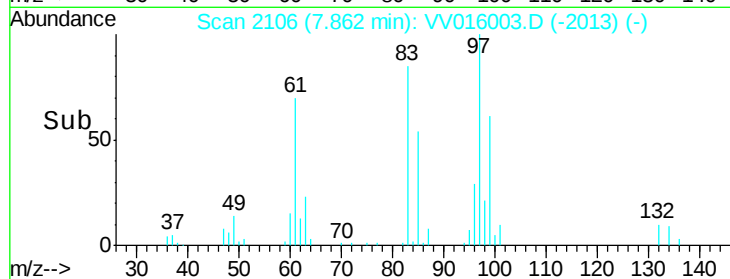
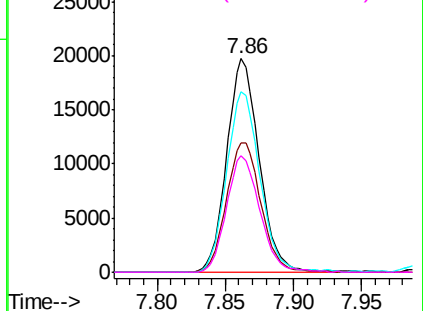
#47
 1,1,2-Trichloroethane
 Concen: 5.562 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	32658
Ion	Ratio	Lower	Upper
97	100		
99	60.7	42.1	78.1
83	84.7	59.2	110.0
85	54.4	38.6	71.8

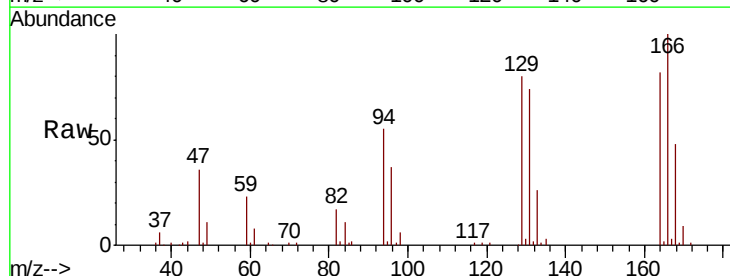


Abundance Ion 96.95 (96.65 to 97.65): VV016003.D (-2013) (-)
 Ion 99.05 (98.75 to 99.75): VV016003.D (-2013) (-)
 Ion 82.95 (82.65 to 83.65): VV016003.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV016003.D (-2013) (-)

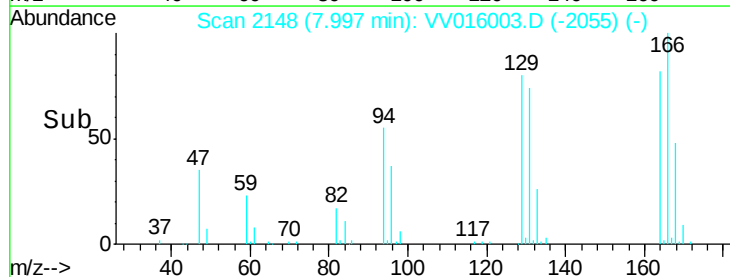
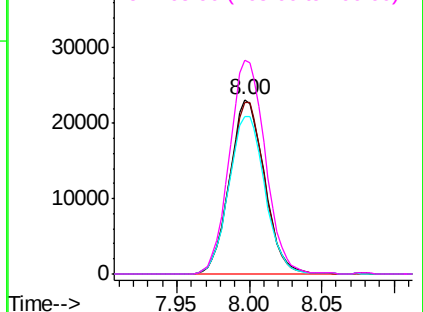


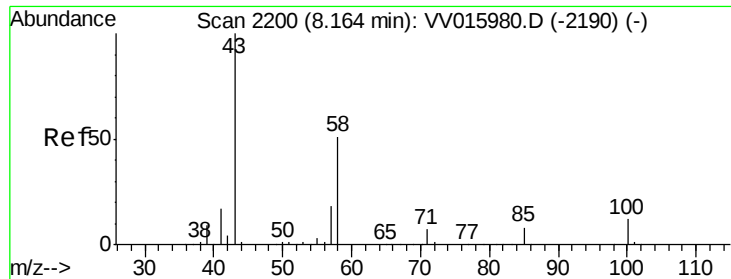
#49
 Tetrachloroethene
 Concen: 5.598 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion:	164	Resp:	38584
Ion	Ratio	Lower	Upper
164	100		
129	98.1	69.7	129.4
131	90.4	66.8	124.2
166	122.3	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016003.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016003.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016003.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016003.D (-2055) (-)

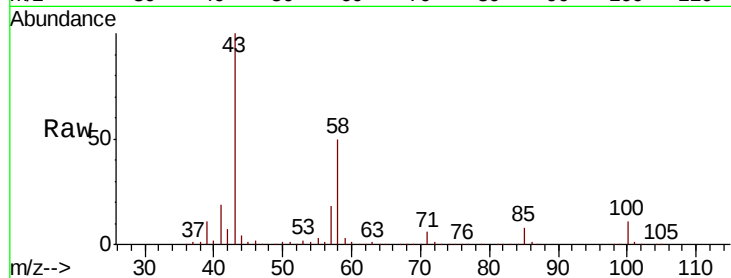




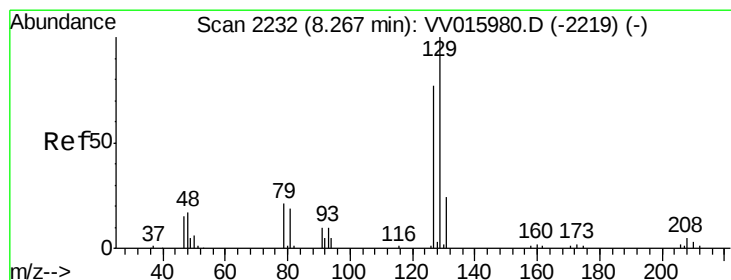
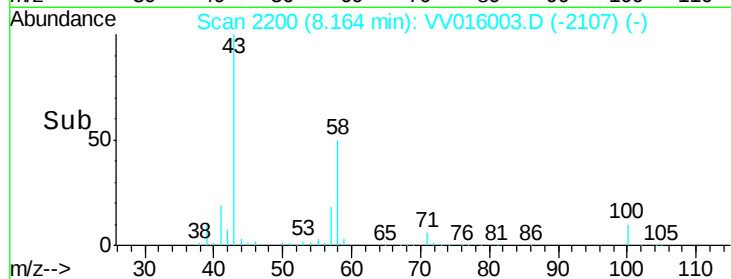
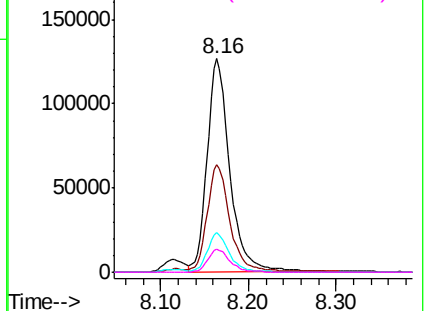
#50
2-Hexanone
Concen: 58.553 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 226907
Ion Ratio Lower Upper
43 100
58 50.4 40.8 61.2
57 17.8 14.7 22.1
100 10.8 9.0 13.6

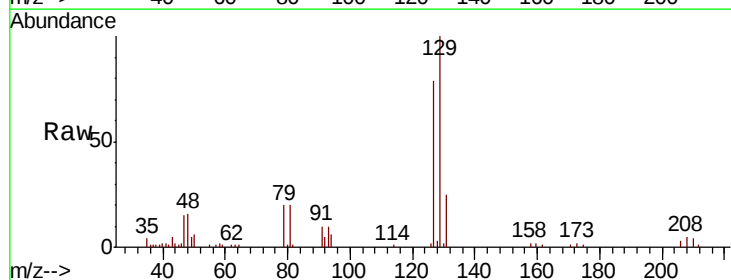


Abundance Ion 43.05 (42.75 to 43.75): VV015980.D (-2190) (-)
Ion 58.05 (57.75 to 58.75): VV015980.D (-2190) (-)
Ion 57.20 (56.90 to 57.90): VV015980.D (-2190) (-)
Ion 100.15 (99.85 to 100.85): VV015980.D (-2190) (-)

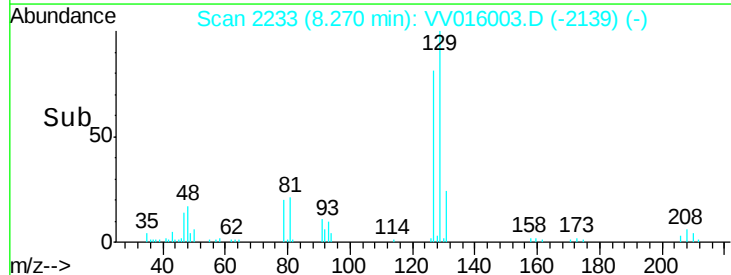
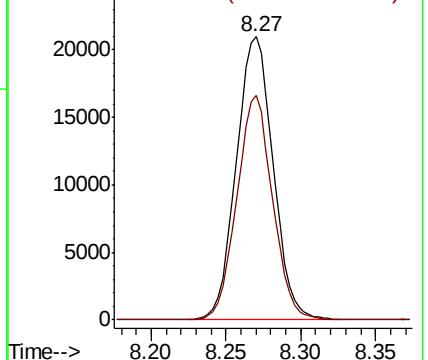


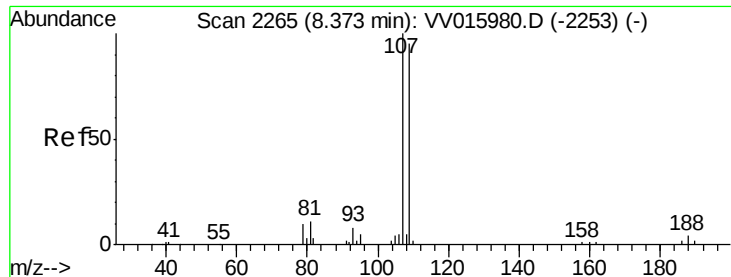
#51
Dibromochloromethane
Concen: 5.452 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion: 129 Resp: 35967
Ion Ratio Lower Upper
129 100
127 79.2 56.0 104.0



Abundance Ion 128.95 (128.65 to 129.65): VV015980.D (-2219) (-)
Ion 126.90 (126.60 to 127.60): VV015980.D (-2219) (-)

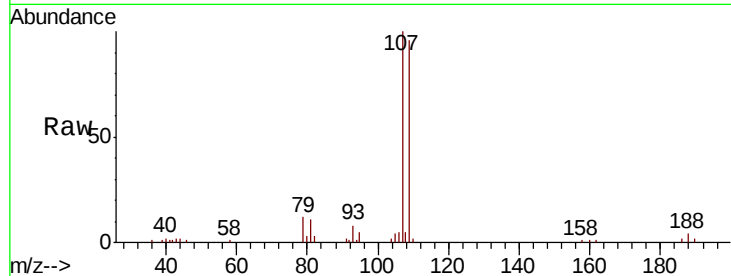




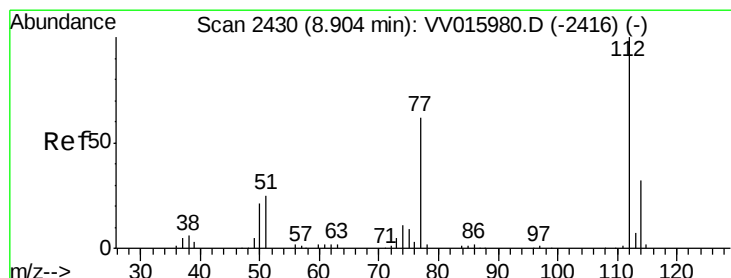
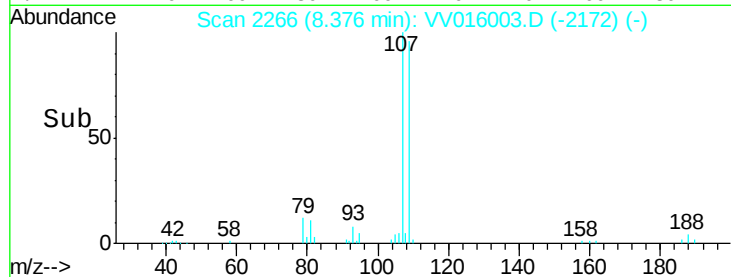
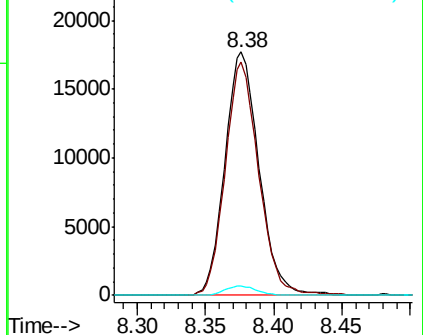
#52
 1,2-Dibromoethane
 Concen: 5.648 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 30755
 Ion Ratio Lower Upper
 107 100
 109 95.9 68.9 127.9
 188 3.8 2.7 4.1

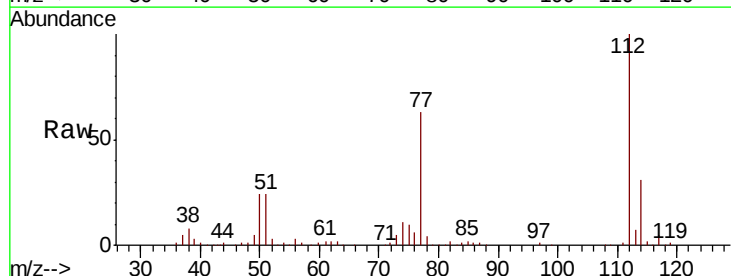


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

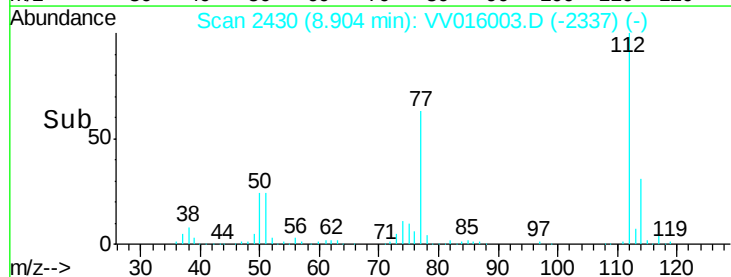
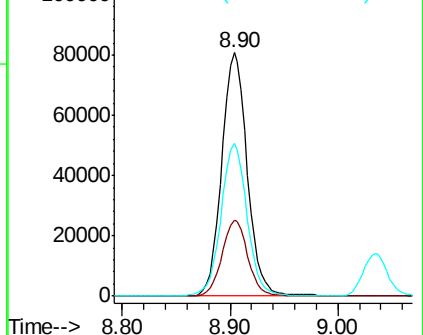


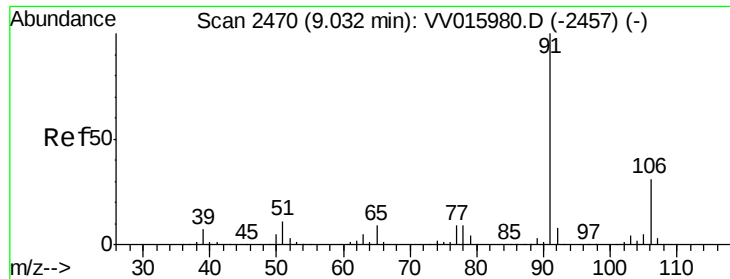
#53
 Chlorobenzene
 Concen: 5.628 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion:112 Resp: 132772
 Ion Ratio Lower Upper
 112 100
 114 31.3 21.6 40.0
 77 63.0 48.6 73.0



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

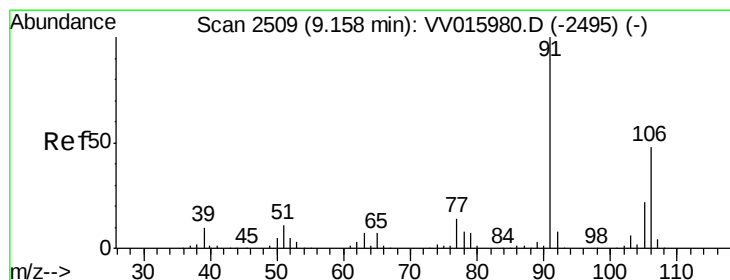
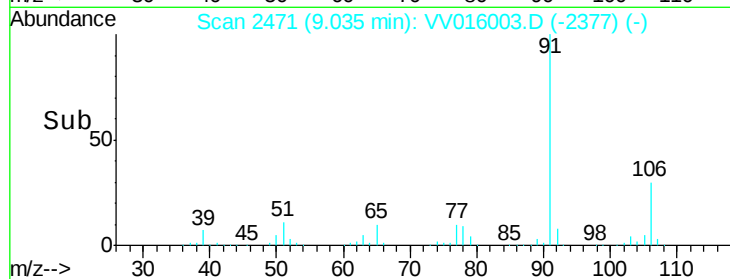
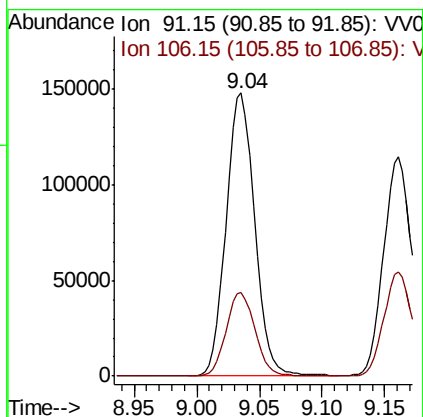
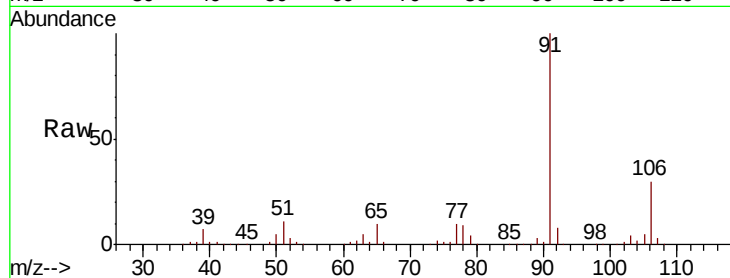




#54
Ethylbenzene
Concen: 5.630 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

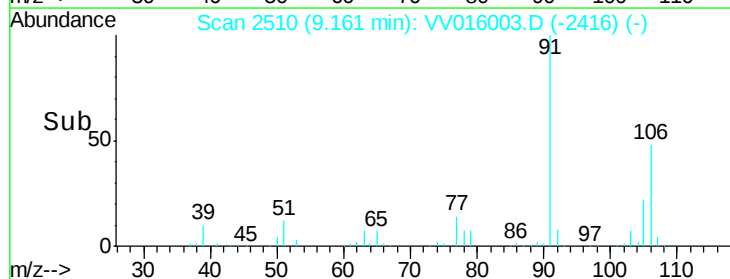
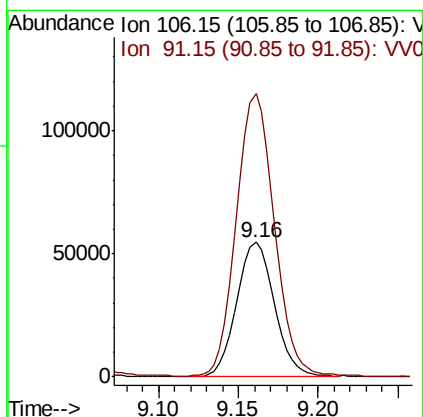
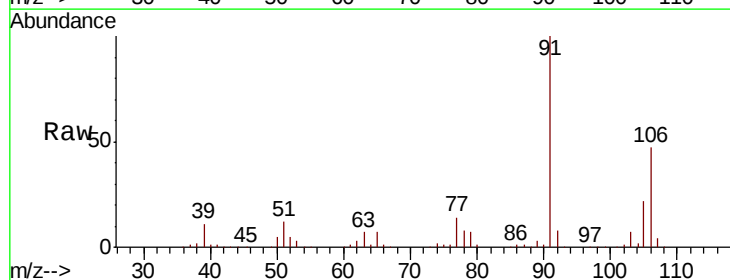
Instrument :
MSVOA_V
ClientSampleId :

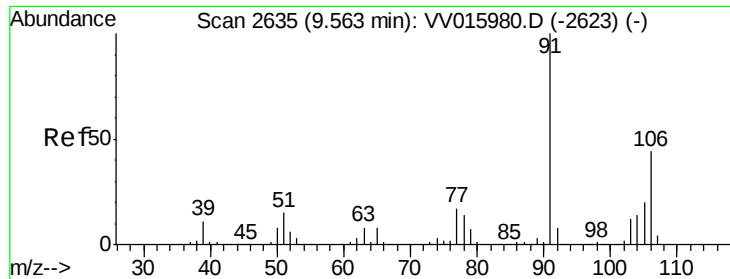
Tot Ion: 91 Resp: 234840
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.4



#55
m,p-xylene
Concen: 5.659 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion: 106 Resp: 87392
Ion Ratio Lower Upper
106 100
91 210.6 149.9 278.3

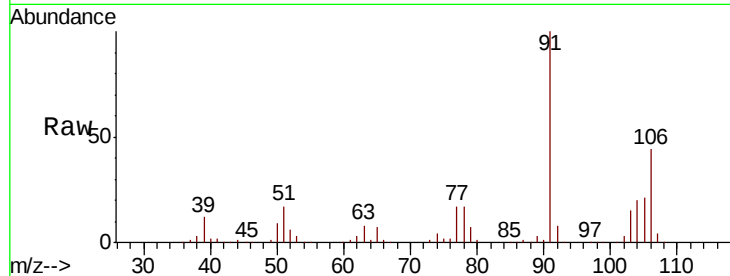




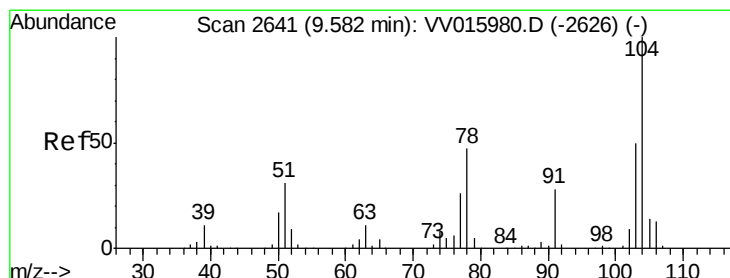
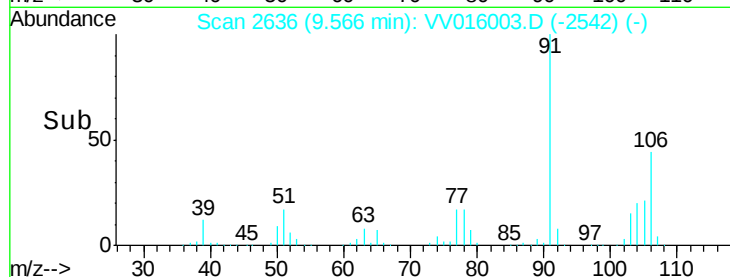
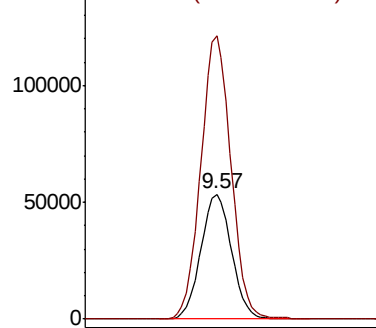
#56
o-xylene
Concen: 5.660 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 83572
Ion Ratio Lower Upper
106 100
91 227.0 159.7 296.5

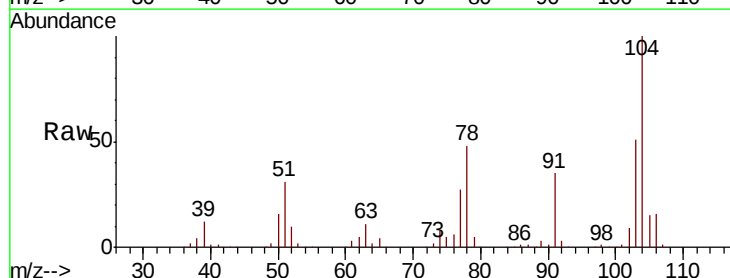


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

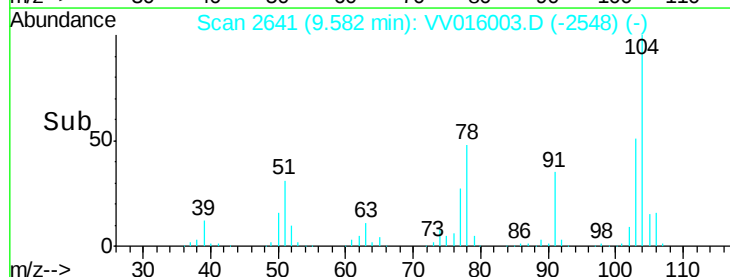
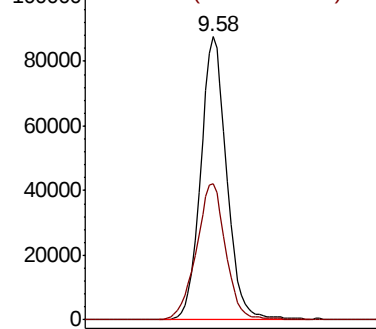


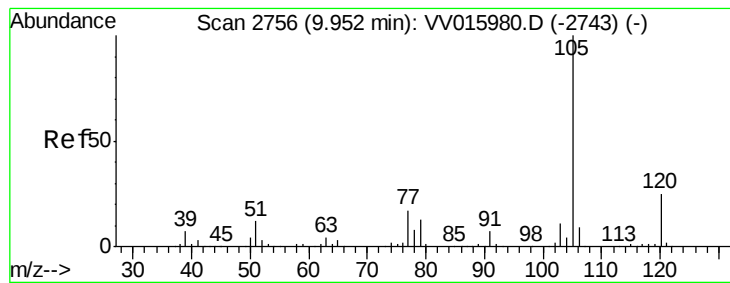
#57
Styrene
Concen: 5.806 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016003.D
Acq: 11 May 2020 20:48

Tgt Ion:104 Resp: 143384
Ion Ratio Lower Upper
104 100
78 48.1 33.9 63.0



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





#58

Isopropylbenzene

Concen: 5.643 ug/L

RT: 9.95 min Scan# 2756

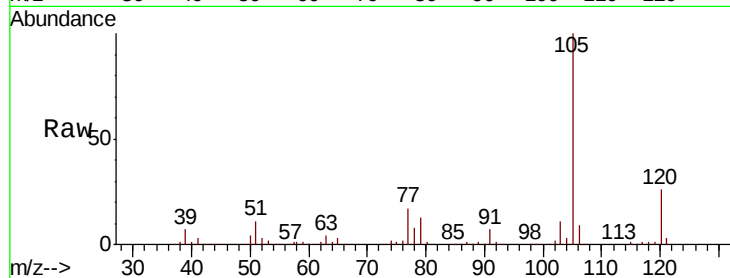
Delta R.T. -0.00 min

Lab File: VV016003.D

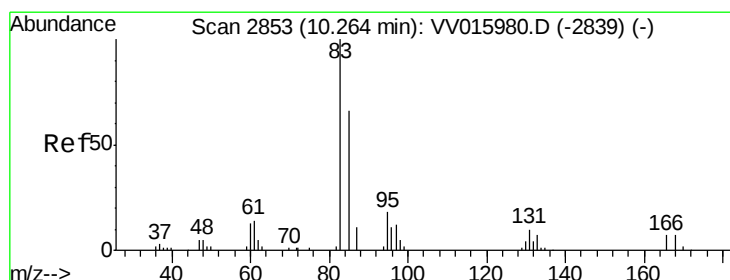
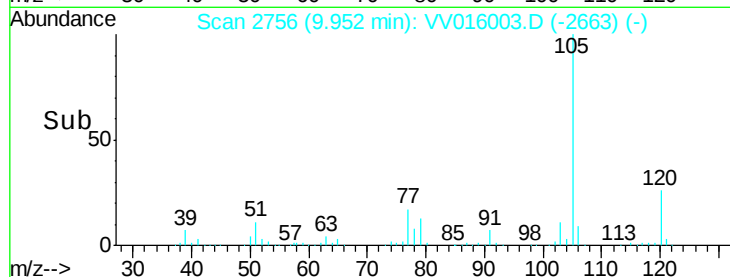
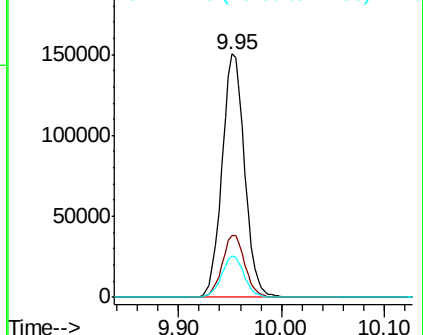
Acq: 11 May 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	228897
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.8	31.2
77	17.0	14.1	21.1



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



#60

1,1,2,2-Tetrachloroethane

Concen: 5.869 ug/L

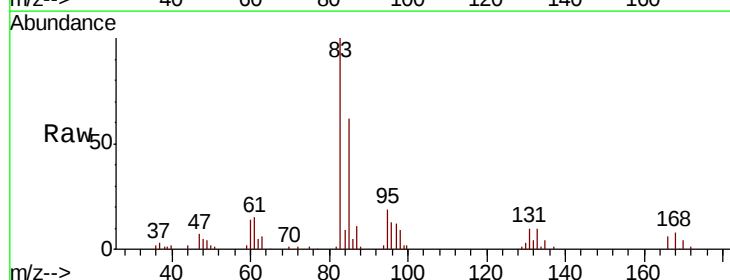
RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

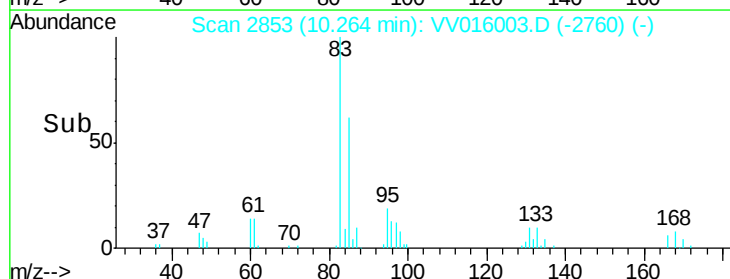
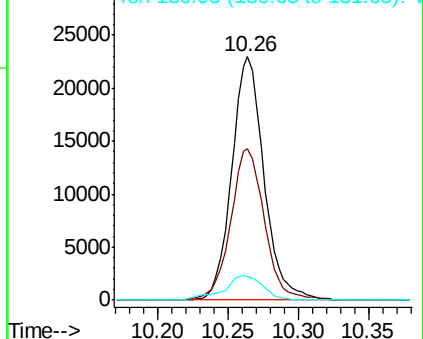
Lab File: VV016003.D

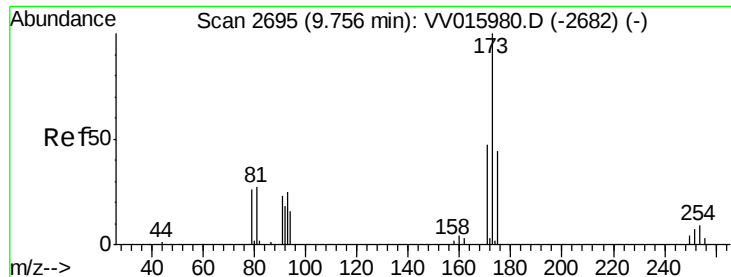
Acq: 11 May 2020 20:48

Tgt Ion:	83	Resp:	36821
Ion	Ratio	Lower	Upper
83	100		
85	62.3	44.0	81.6
131	9.6	7.7	11.5



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





#62

Bromoform

Concen: 5.010 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

Instrument :
MSVOA_V
ClientSampleId :

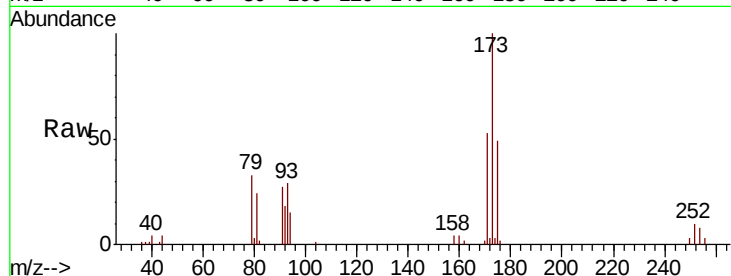
Tot Ion:173 Resp: 16095

Ion Ratio Lower Upper

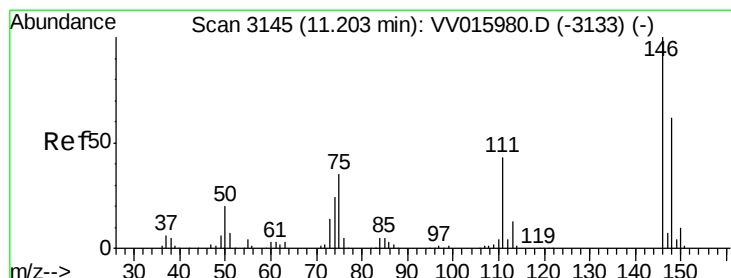
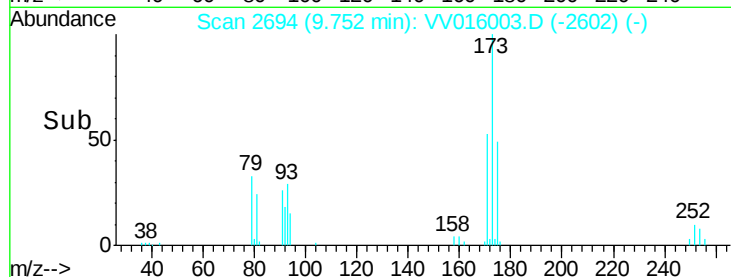
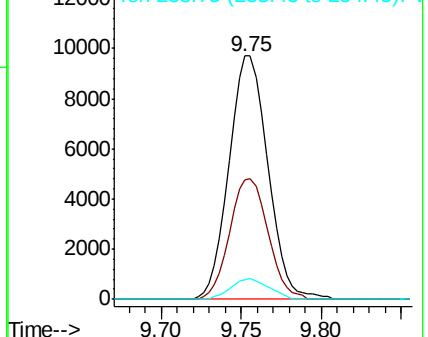
173 100

175 48.8 39.8 59.8

254 8.3 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 5.584 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

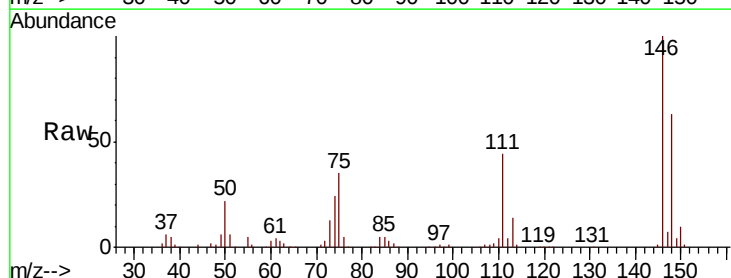
Tgt Ion:146 Resp: 105210

Ion Ratio Lower Upper

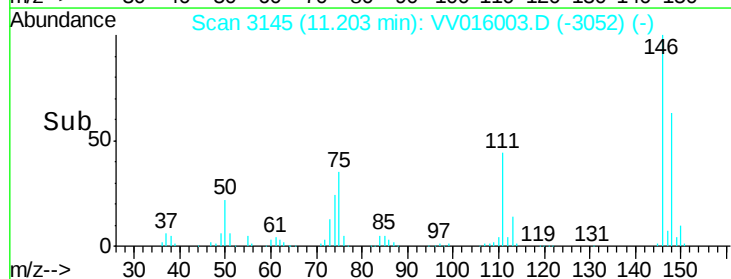
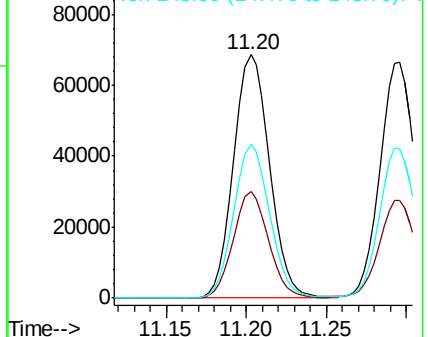
146 100

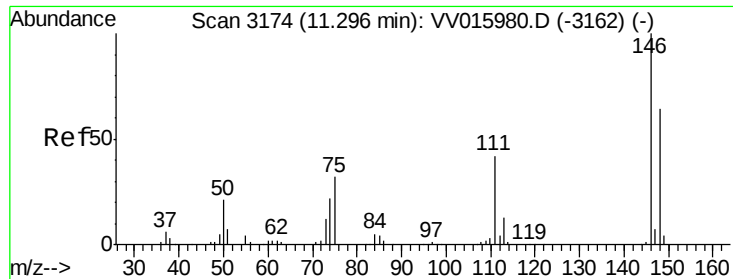
111 43.7 28.7 53.3

148 63.2 44.0 81.8



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





#64

1,4-Dichlorobenzene

Concen: 5.528 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016003.D

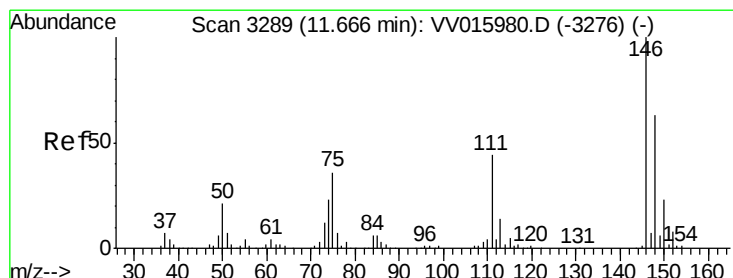
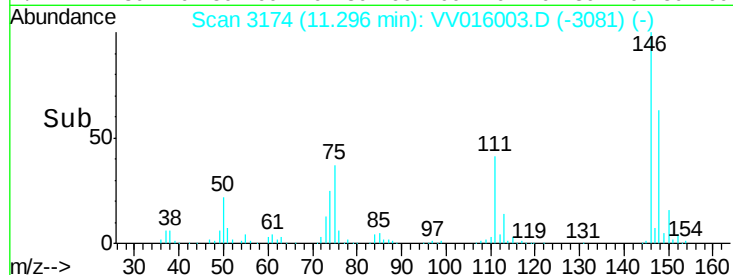
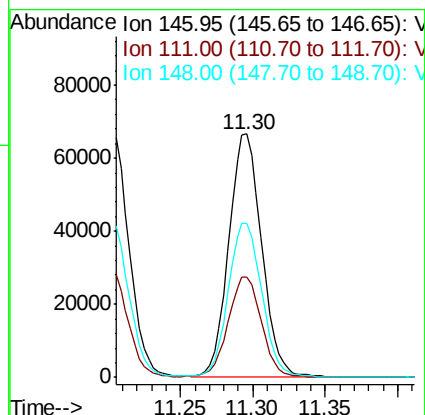
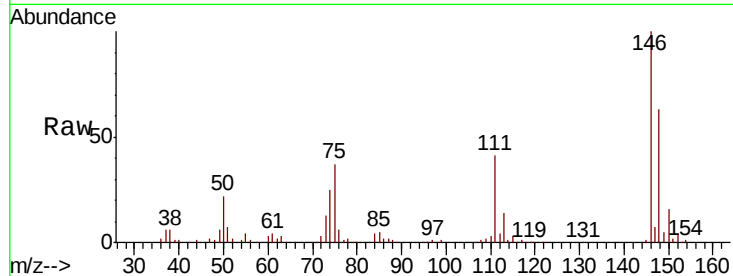
Acq: 11 May 2020 20:48

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	104644
Ion Ratio	Lower	Upper
146	100	
111	41.3	28.9 53.7
148	63.1	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 5.683 ug/L

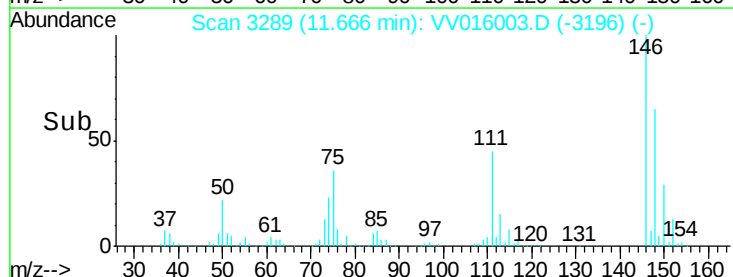
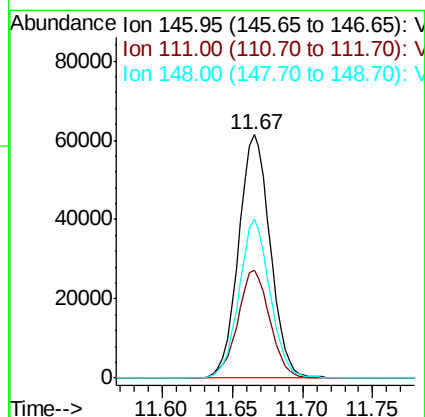
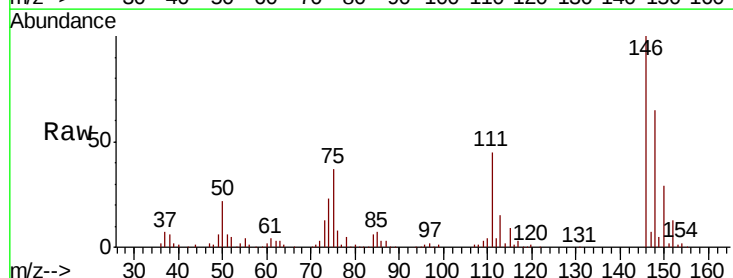
RT: 11.67 min Scan# 3289

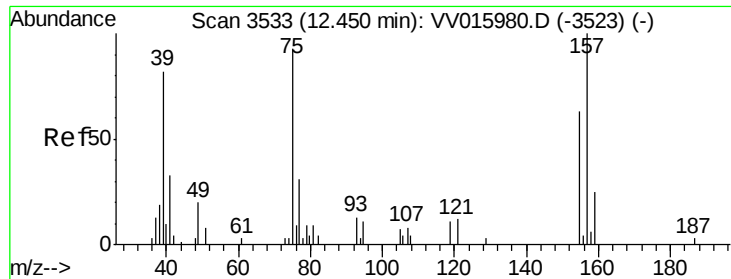
Delta R.T. -0.00 min

Lab File: VV016003.D

Acq: 11 May 2020 20:48

Tgt Ion:146	Resp:	96909
Ion Ratio	Lower	Upper
146	100	
111	44.5	37.0 55.4
148	65.2	49.8 74.6

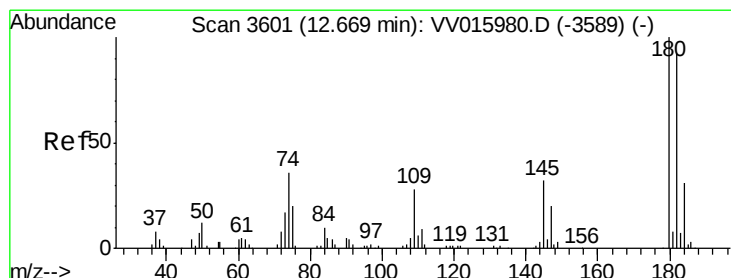
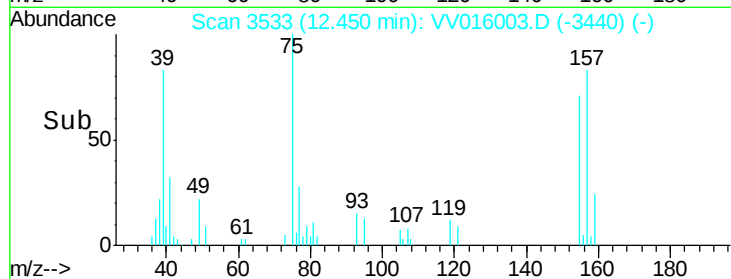
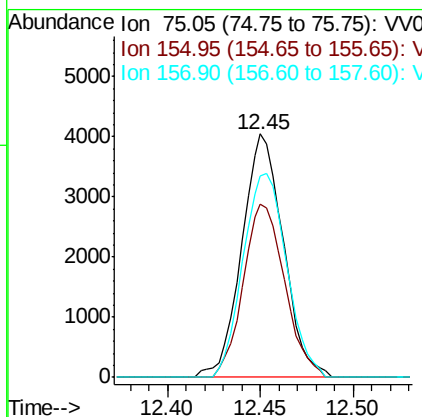
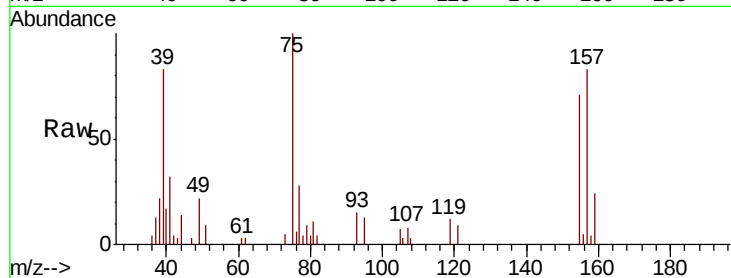




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.658 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

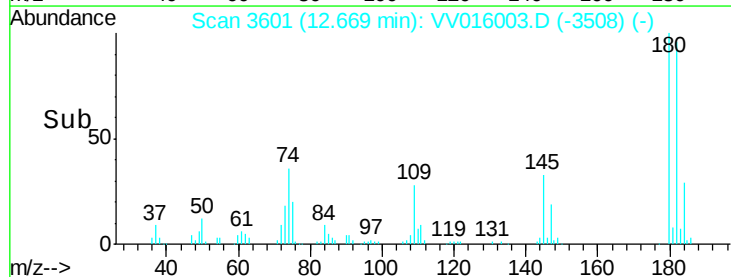
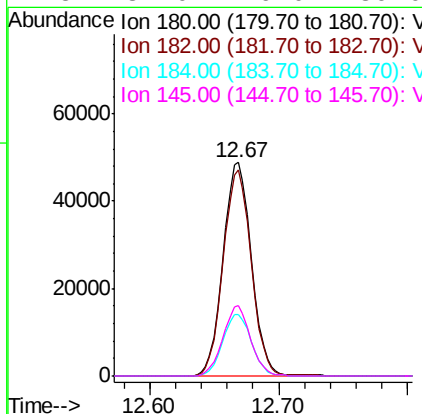
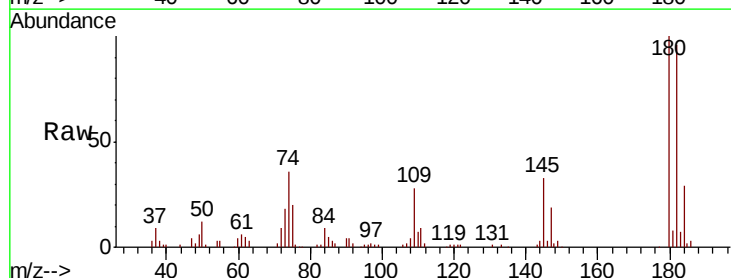
Instrument :
 MSVOA_V
 ClientSampled :

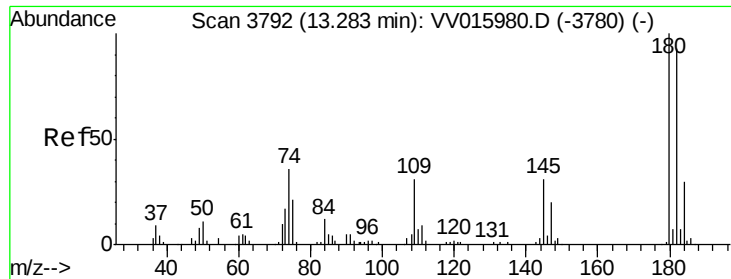
Tot Ion: 75 Resp: 6297
 Ion Ratio Lower Upper
 75 100
 155 71.2 58.2 87.4
 157 82.9 79.4 119.2



#68
 1,3,5-Trichlorobenzene
 Concen: 5.407 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion: 180 Resp: 74492
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.8 113.6
 184 29.0 24.6 36.8
 145 32.0 26.0 39.0

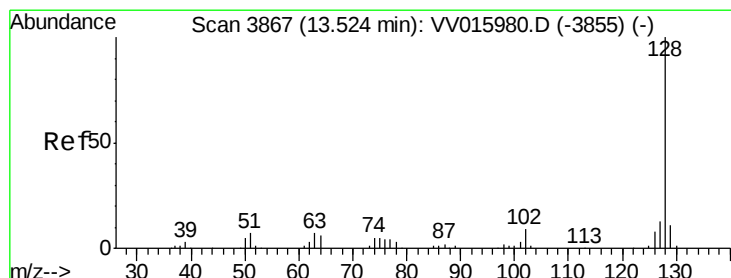
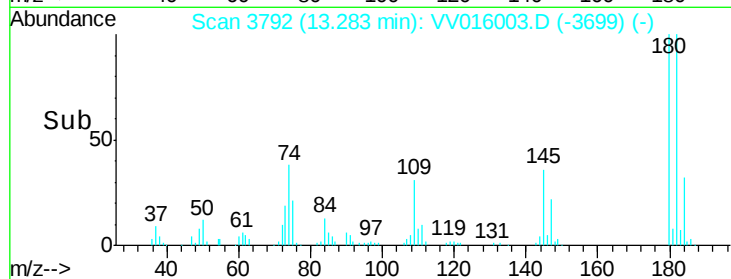
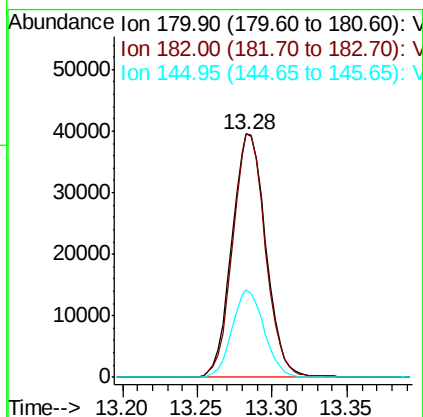
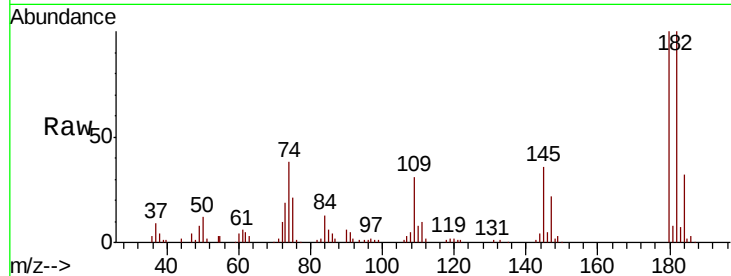




#69
 1,2,4-trichlorobenzene
 Concen: 5.282 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

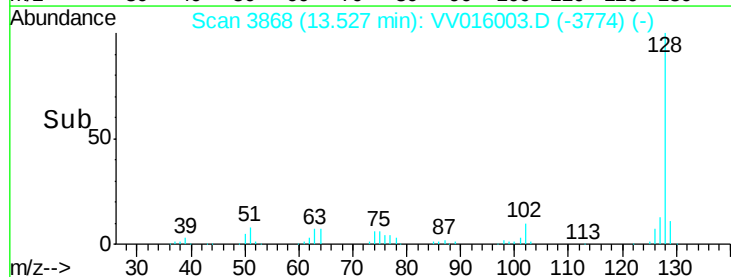
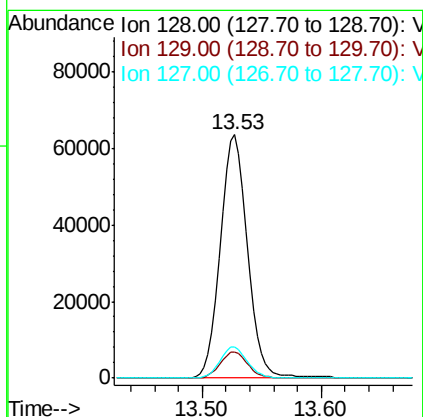
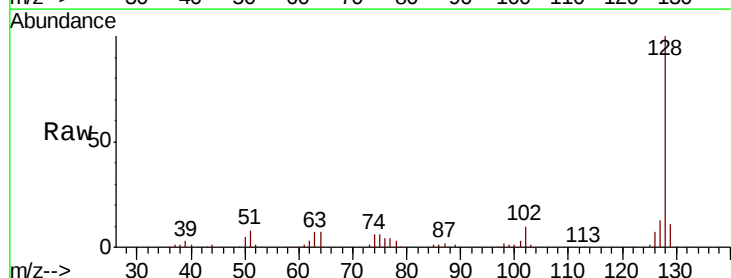
Instrument :
 MSVOA_V
 ClientSampled :

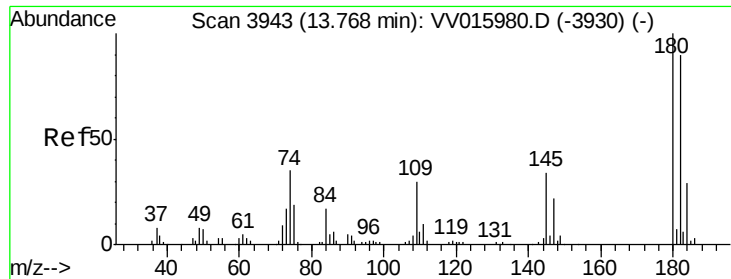
Tot Ion:180 Resp: 62518
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.7 115.1
 145 33.9 26.4 39.6



#70
 Naphthalene
 Concen: 5.356 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Tgt Ion:128 Resp: 100841
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.5 12.7
 127 12.8 10.2 15.2

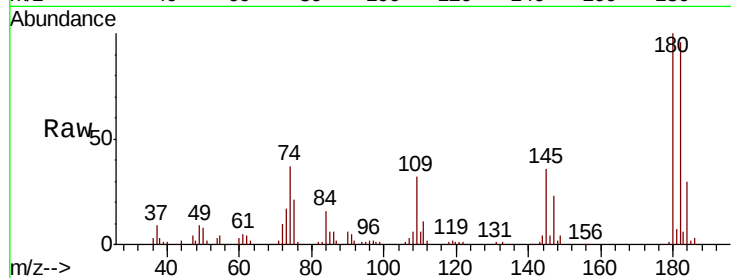




#71
 1,2,3-Trichlorobenzene
 Concen: 5.342 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016003.D
 Acq: 11 May 2020 20:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 55780
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.0 115.6
 145 35.6 28.3 42.5



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

