

Data File : VV015043.D
Acq On : 19 Mar 2020 03:16
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Quant Time: Mar 19 04:14:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327269	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	317114	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169156	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64986	42.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	54072	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.18%
11) 1,1-Dichloroethene-d2	2.13	63	107002	40.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.88%
21) 2-Butanone-d5	3.93	46	99678	96.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.15%
24) Chloroform-d	4.38	84	183627	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	118125	47.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.86%
32) Benzene-d6	5.08	84	353906	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
36) 1,2-Dichloropropane-d6	6.10	67	106958	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.16%
41) Toluene-d8	7.34	98	342262	45.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.36%
43) trans-1,3-Dichloropropene-	7.64	79	57344	48.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.44%
47) 2-Hexanone-d5	8.12	63	103020	101.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.54%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	166755	50.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.66%
64) 1,2-Dichlorobenzene-d4	11.64	152	156178	45.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.98%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	114905	41.070 ug/L	99
3) Chloromethane	1.25	50	95461	50.193 ug/L	99
5) Vinyl chloride	1.32	62	85550	46.513 ug/L	97
6) Bromomethane	1.53	94	60405	50.612 ug/L	97
8) Chloroethane	1.60	64	50083	50.535 ug/L	96
9) Trichlorofluoromethane	1.77	101	126563	43.251 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	55531	39.456 ug/L	98
12) 1,1-Dichloroethene	2.13	96	62103	46.630 ug/L	96
13) Acetone	2.20	43	48061	55.744 ug/L	81
14) Carbon disulfide	2.31	76	207623	43.994 ug/L	99
15) Methyl Acetate	2.46	43	75712	51.330 ug/L	96
16) Methylene chloride	2.53	84	108355	51.341 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	94716	47.380 ug/L	99
18) Methyl tert-butyl Ether	2.79	73	329277	53.506 ug/L	99
19) 1,1-Dichloroethane	3.22	63	169839	49.445 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	115748	51.810 ug/L	96
22) 2-Butanone	4.02	43	107127	91.766 ug/L #	71

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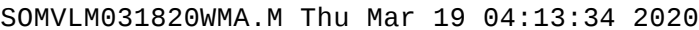
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

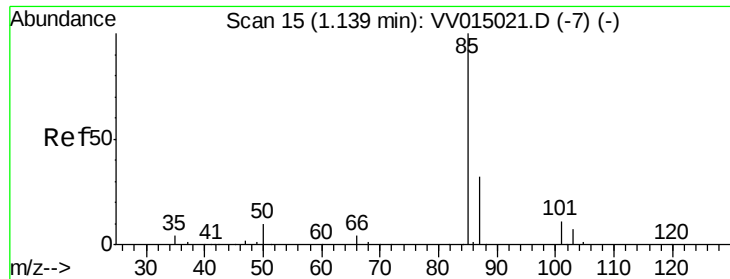
Quant Time: Mar 19 04:14:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	63024	51.869	ug/L	96
25) Chloroform	4.41	83	191331	49.805	ug/L	99
27) 1,2-Dichloroethane	5.16	62	146560	51.089	ug/L	100
29) Cyclohexane	4.70	56	118295	41.549	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	162023	47.362	ug/L	99
31) Carbon tetrachloride	4.86	117	137962	44.875	ug/L	99
33) Benzene	5.13	78	396219	51.041	ug/L	100
34) Trichloroethene	5.94	95	97263	46.250	ug/L	98
35) Methylcyclohexane	6.16	83	136767	40.985	ug/L	99
37) 1,2-Dichloropropane	6.20	63	94921	50.564	ug/L	100
38) Bromodichloromethane	6.53	83	142352	51.995	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	163614	52.050	ug/L	95
40) 4-Methyl-2-pentanone	7.26	43	285102	109.636	ug/L	98
42) Toluene	7.41	91	429177	48.906	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	146349	51.399	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	110131	53.814	ug/L	97
46) Tetrachloroethene	8.00	164	88348	44.245	ug/L	97
48) 2-Hexanone	8.17	43	214112	110.226	ug/L	97
49) Dibromochloromethane	8.27	129	125728	52.861	ug/L	100
50) 1,2-Dibromoethane	8.37	107	121314	53.114	ug/L	99
51) Chlorobenzene	8.90	112	347685	56.350	ug/L	100
52) Ethylbenzene	9.03	91	463748	46.522	ug/L	99
53) m,p-Xylene	9.16	106	181549	46.520	ug/L	98
54) o-xylene	9.56	106	188174	48.691	ug/L	98
55) Styrene	9.58	104	325319	50.121	ug/L	97
56) Isopropylbenzene	9.95	105	460100	45.710	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	178943	53.758	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	143179	54.267	ug/L	100
61) Bromoform	9.75	173	93890	56.136	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	254656	50.015	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	330895	62.434	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	323284	59.778	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40572	53.681	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	185819	46.126	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	217332	58.581	ug/L	99
69) Naphthalene	13.52	128	247561	51.109	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	195204	53.557	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 41.070 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

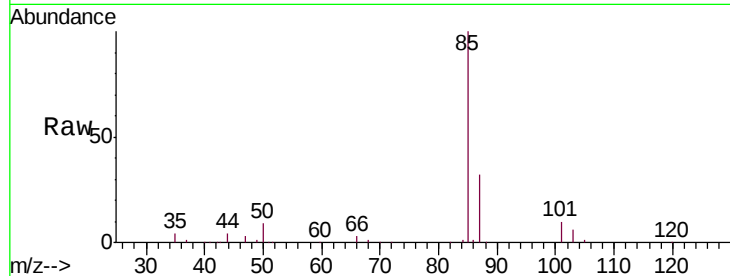
VSTD05098

Tgt Ion: 85 Resp: 114905

Ion Ratio Lower Upper

85 100

87 32.6 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV015043.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015043.D (-1) (-)

1.14

120000

100000

80000

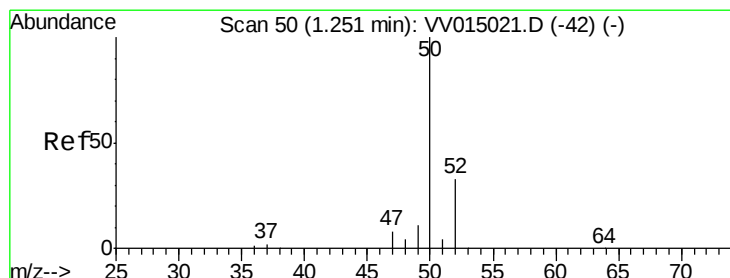
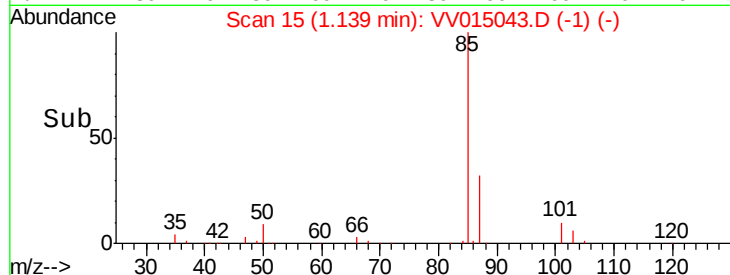
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 50.193 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015043.D

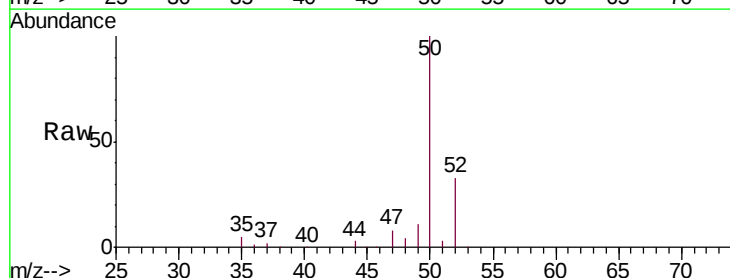
Acq: 19 Mar 2020 03:16

Tgt Ion: 50 Resp: 95461

Ion Ratio Lower Upper

50 100

52 32.7 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV015043.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015043.D (-1) (-)

1.25

100000

80000

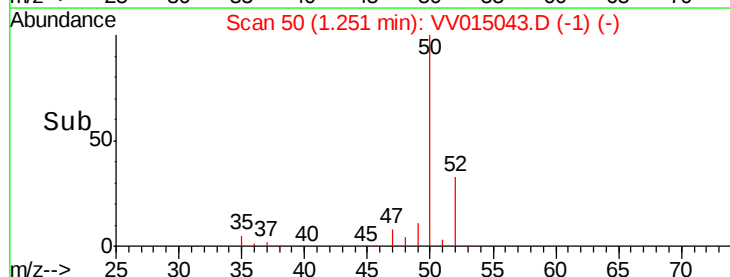
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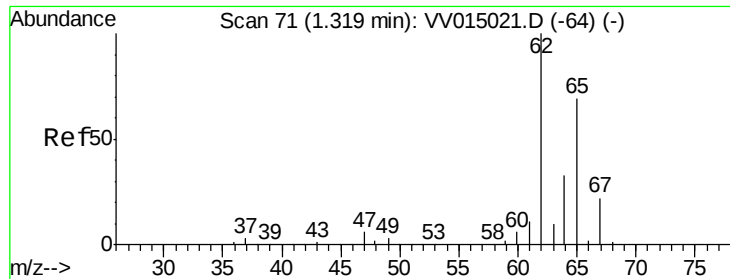
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 46.513 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

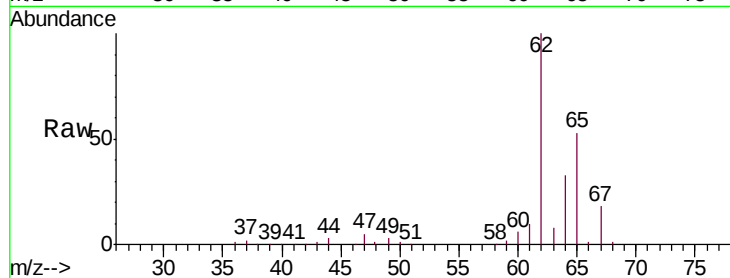
VSTD05098

Tgt Ion: 62 Resp: 85550

Ion Ratio Lower Upper

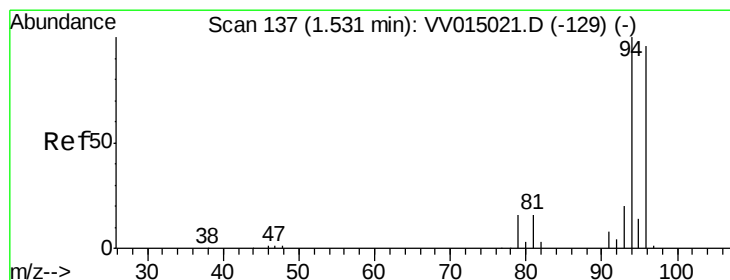
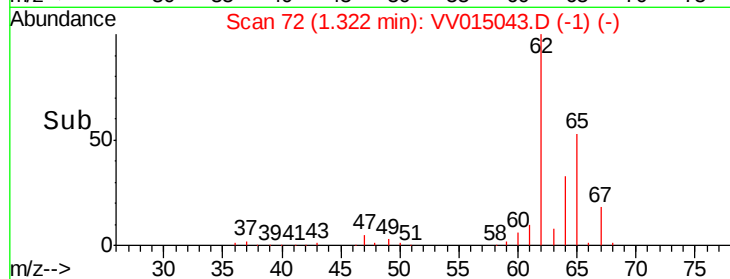
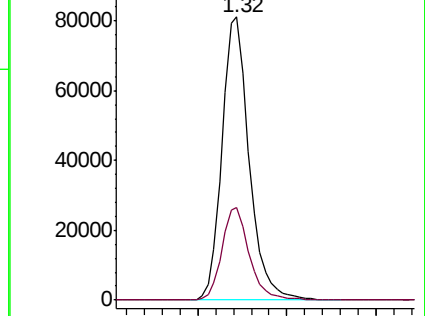
62 100

64 32.5 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.612 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015043.D

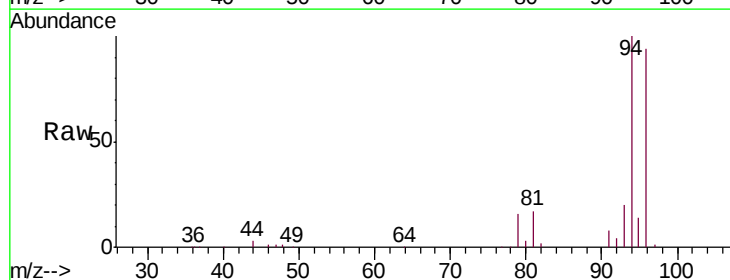
Acq: 19 Mar 2020 03:16

Tgt Ion: 94 Resp: 60405

Ion Ratio Lower Upper

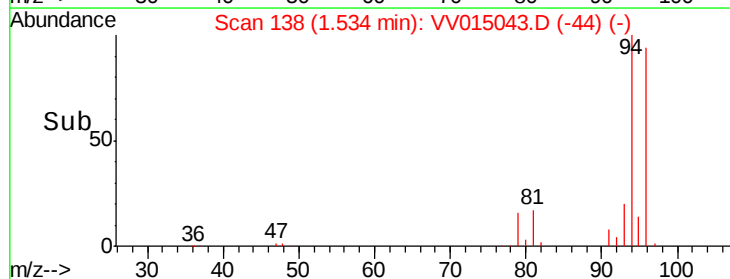
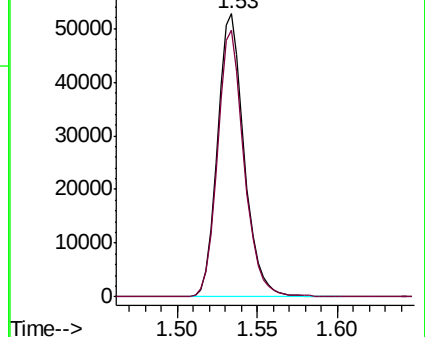
94 100

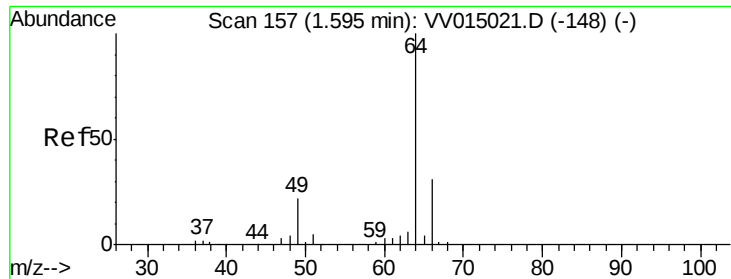
96 94.1 67.8 126.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

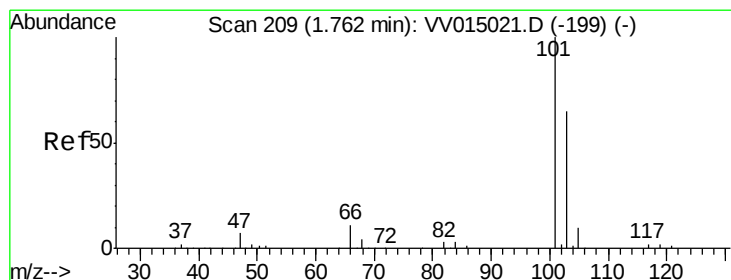
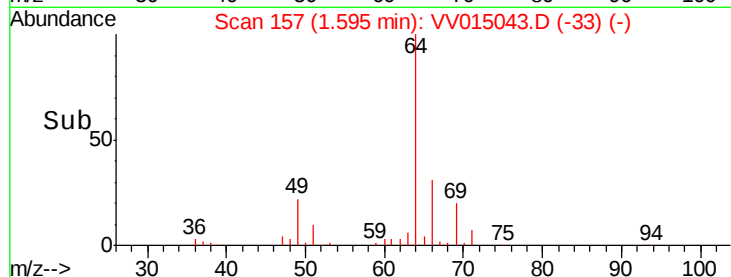
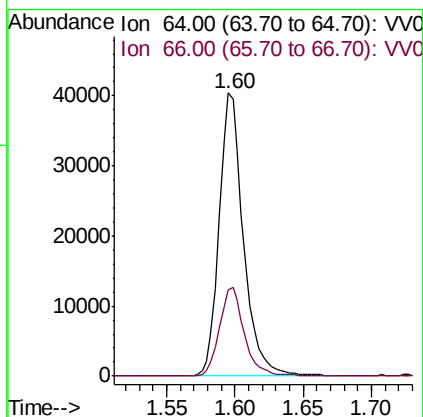
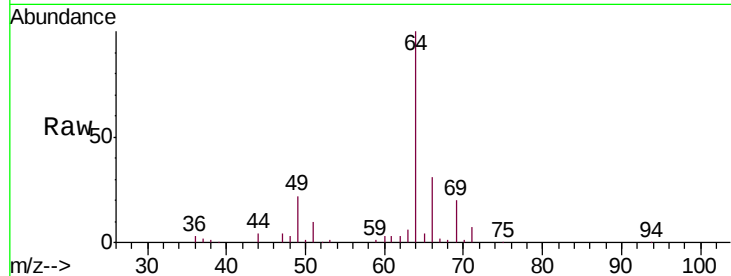




#8
Chloroethane
Concen: 50.535 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

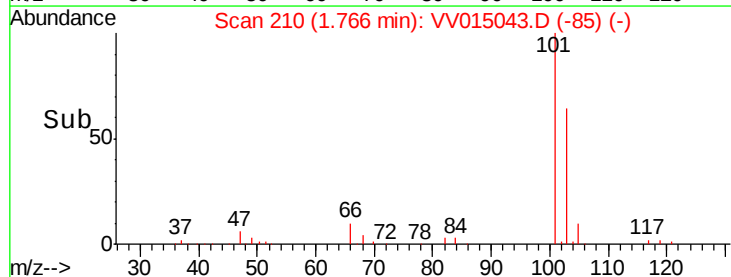
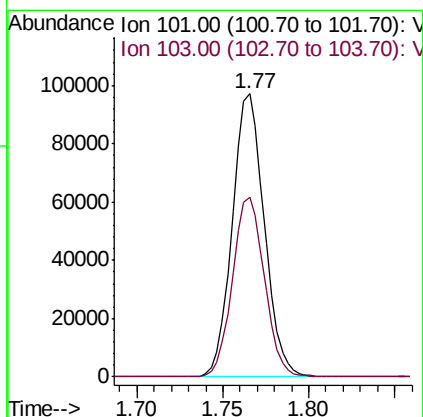
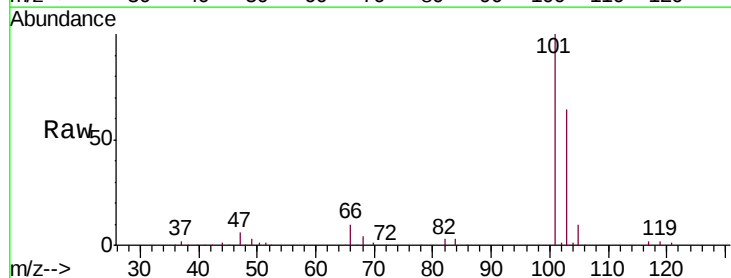
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

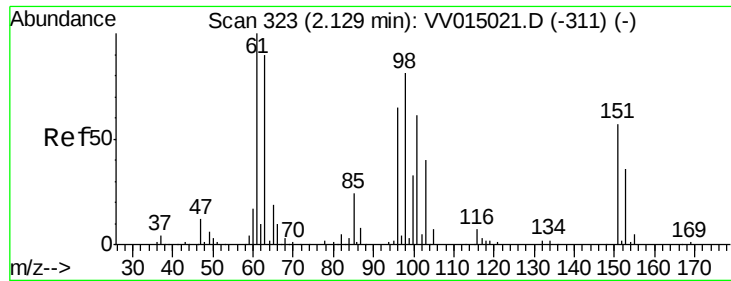
Tgt Ion: 64 Resp: 50083
Ion Ratio Lower Upper
64 100
66 30.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 43.251 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

Tgt Ion: 101 Resp: 126563
Ion Ratio Lower Upper
101 100
103 63.5 53.4 80.2





#10

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

Concen: 39.456 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

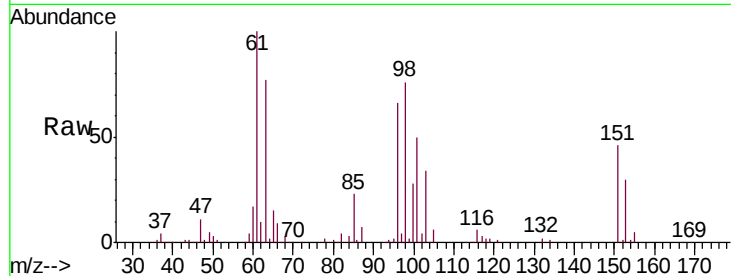
Tgt Ion:101 Resp: 55531

Ion Ratio Lower Upper

101 100

85 43.6 33.2 49.8

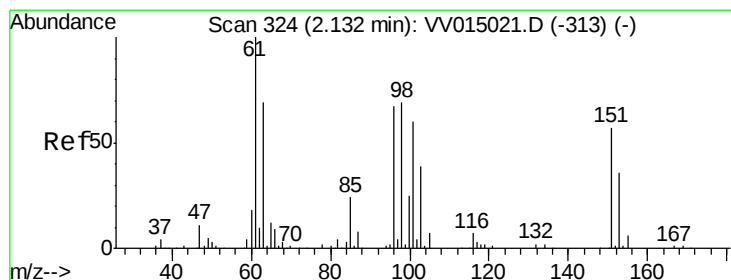
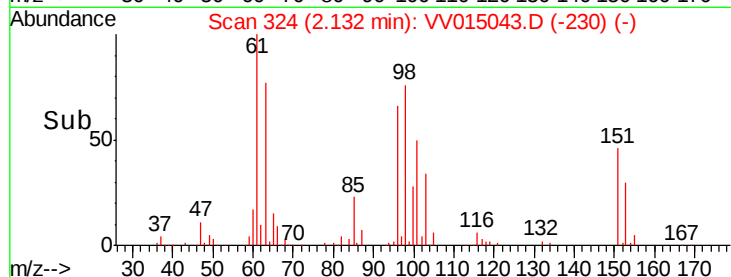
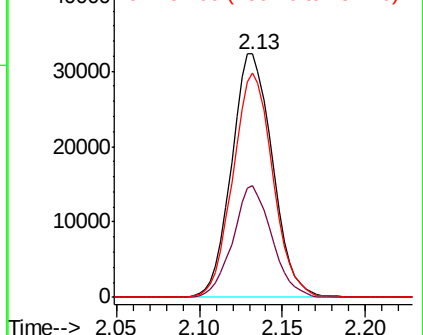
151 89.7 72.6 109.0



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: 46.630 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

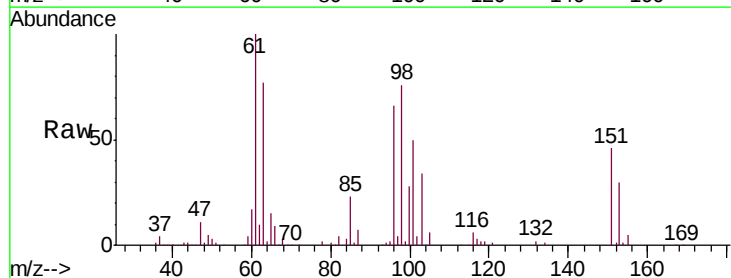
Tgt Ion: 96 Resp: 62103

Ion Ratio Lower Upper

96 100

61 151.6 105.6 196.2

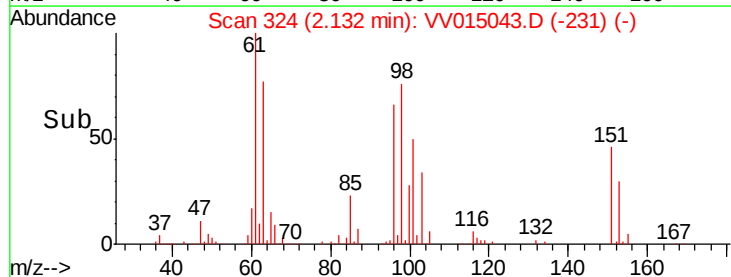
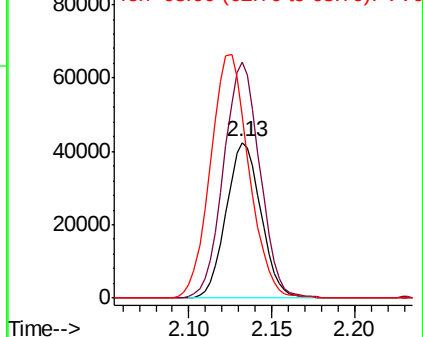
63 116.6 75.9 140.9

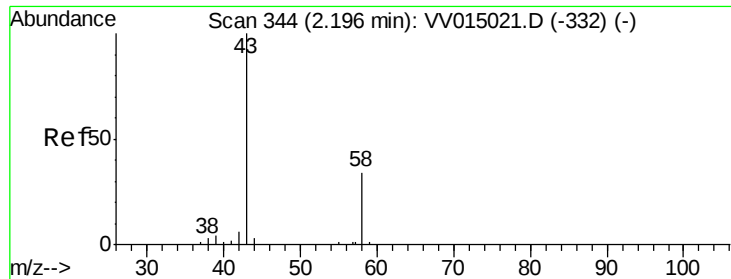


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 55.744 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

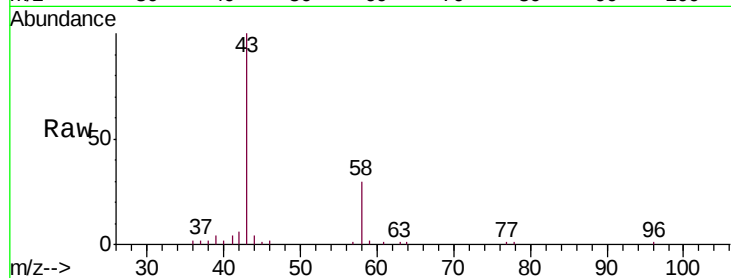
VSTD05098

Tgt Ion: 43 Resp: 48061

Ion Ratio Lower Upper

43 100

58 30.7 0.0 43.2



Abundance Ion 43.00 (42.70 to 43.70): VV015021.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV015021.D (-332) (-)

20000

15000

10000

5000

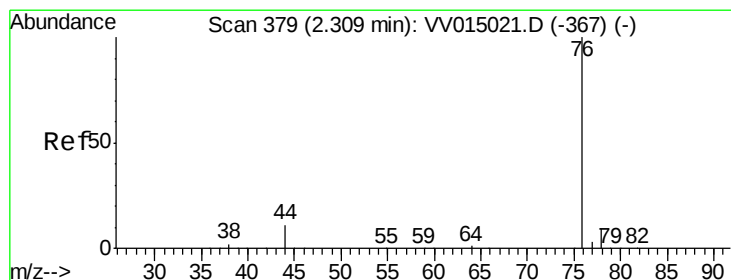
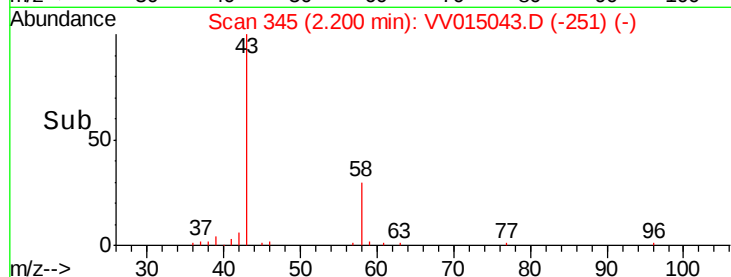
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Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 43.994 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015043.D

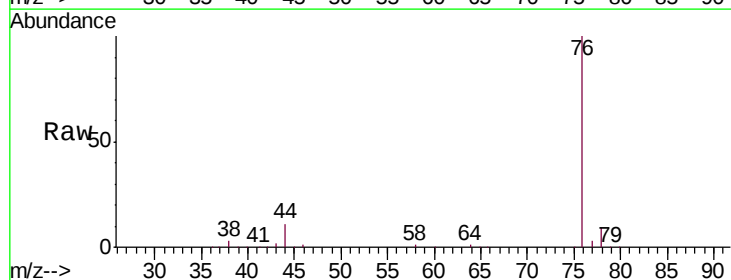
Acq: 19 Mar 2020 03:16

Tgt Ion: 76 Resp: 207623

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV015021.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV015021.D (-367) (-)

150000

100000

50000

0

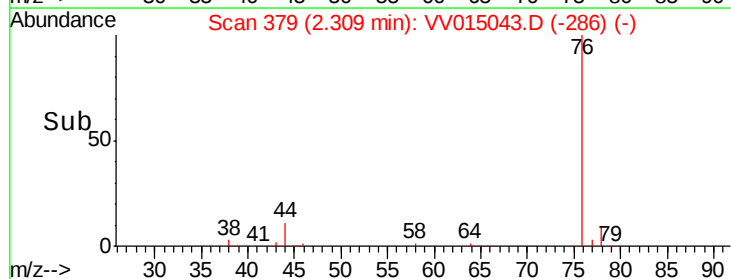
Time-->

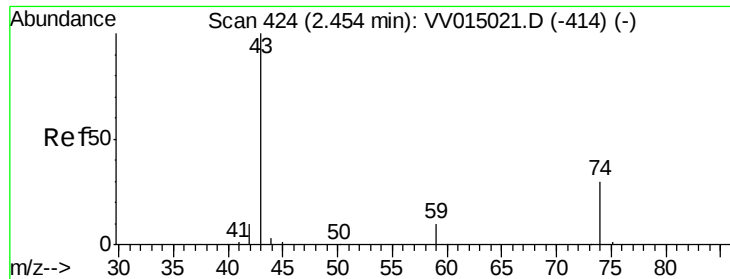
2.25

2.30

2.35

2.40

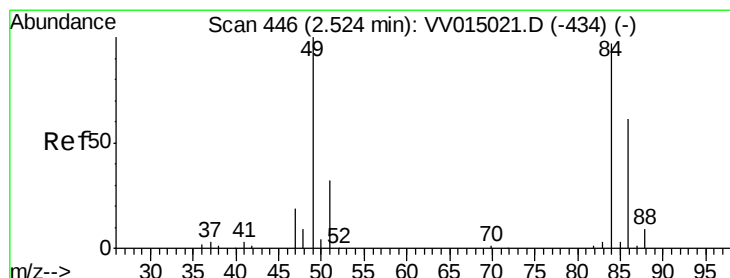
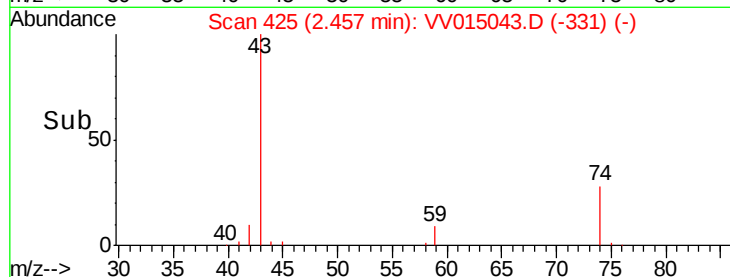
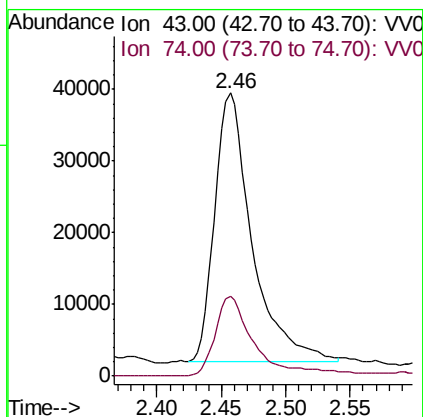
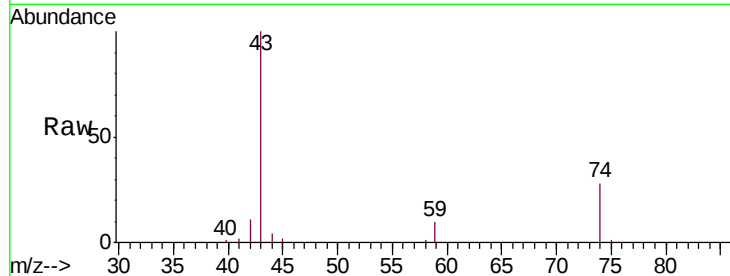




#15
Methyl Acetate
Concen: 51.330 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

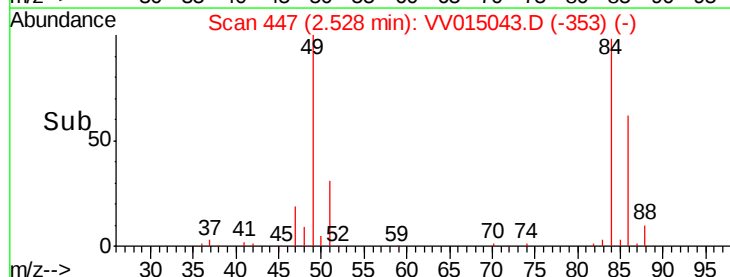
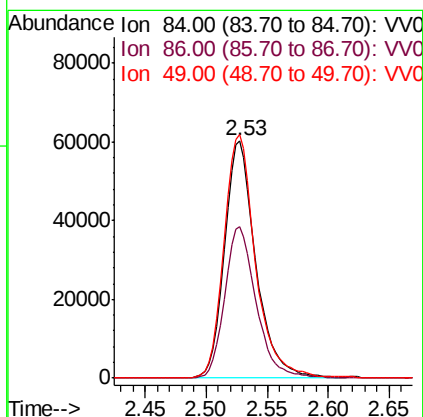
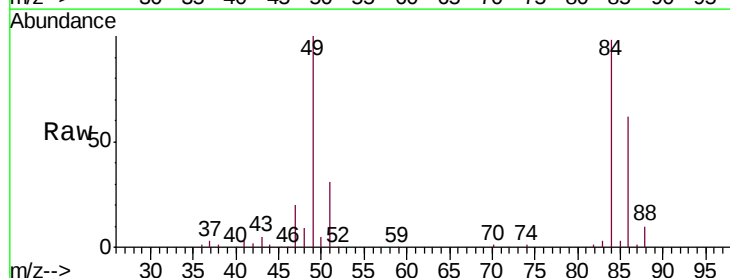
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

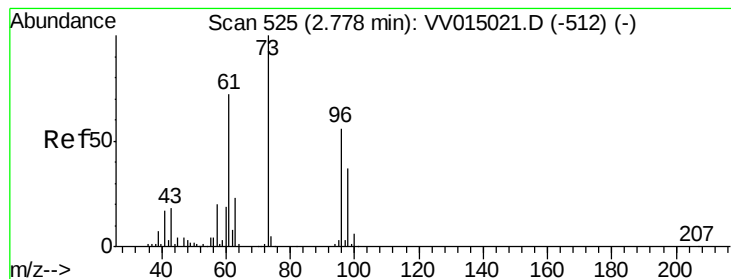
Tgt Ion: 43 Resp: 75712
Ion Ratio Lower Upper
43 100
74 29.7 22.2 33.4



#16
Methylene chloride
Concen: 51.341 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

Tgt Ion: 84 Resp: 108355
Ion Ratio Lower Upper
84 100
86 63.5 44.5 82.7
49 102.4 72.9 135.5





#17

trans-1,2-Dichloroethene

Concen: 47.380 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

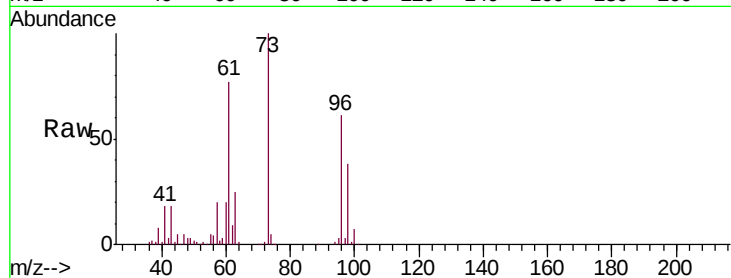
Tgt Ion: 96 Resp: 94716

Ion Ratio Lower Upper

96 100

61 125.7 89.0 165.4

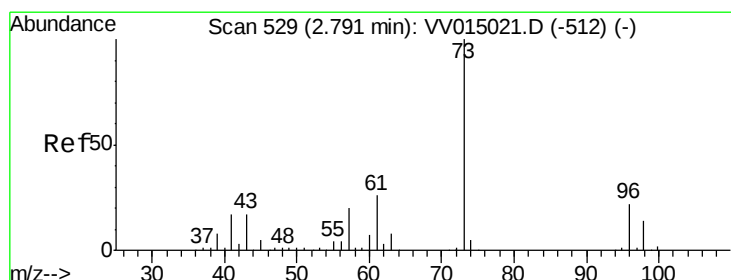
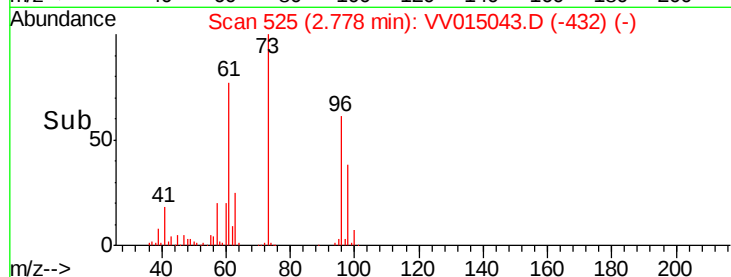
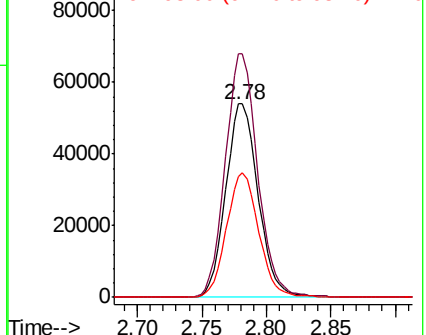
98 62.6 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.506 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

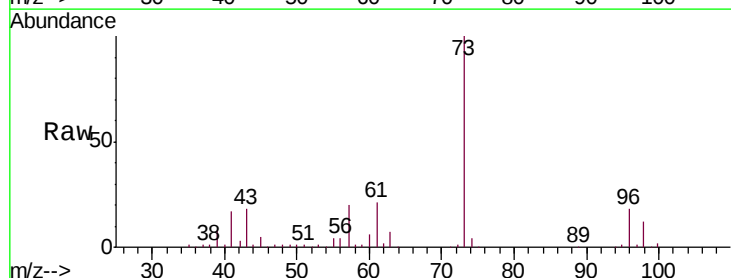
Tgt Ion: 73 Resp: 329277

Ion Ratio Lower Upper

73 100

43 17.2 14.4 21.6

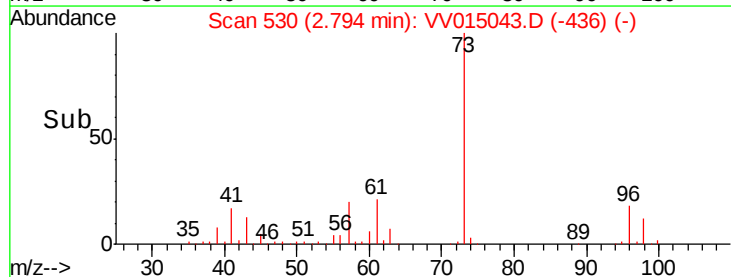
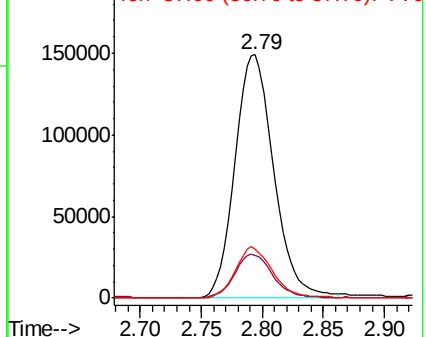
57 20.2 16.0 24.0

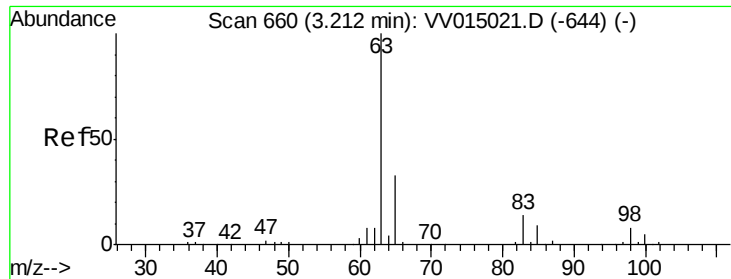


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

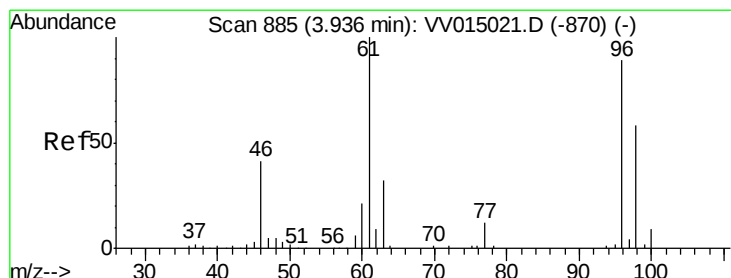
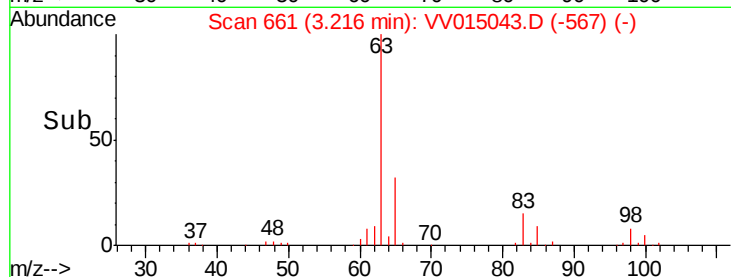
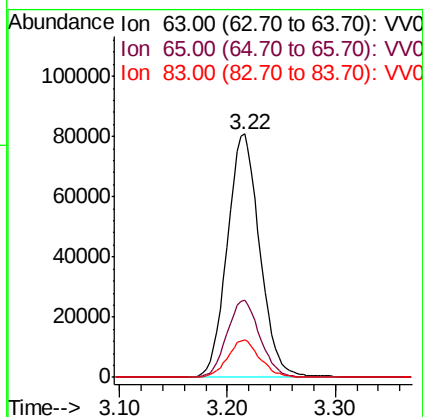
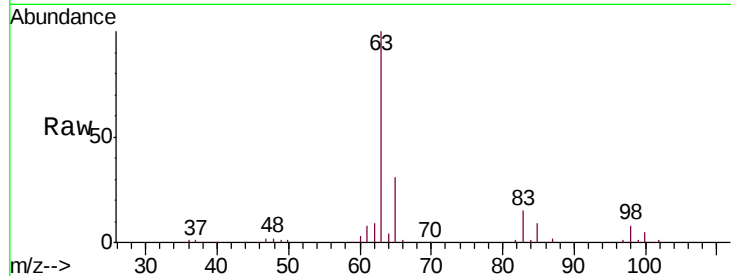




#19
 1,1-Dichloroethane
 Concen: 49.445 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

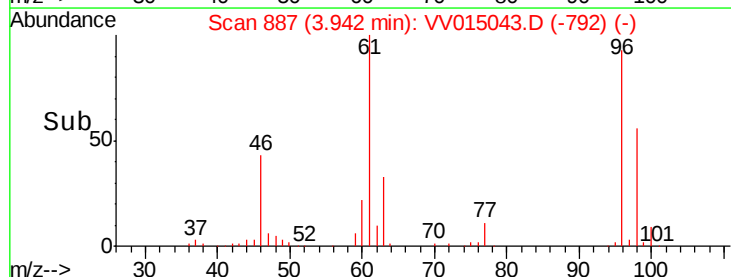
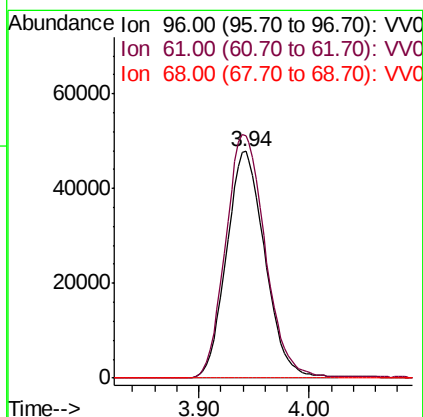
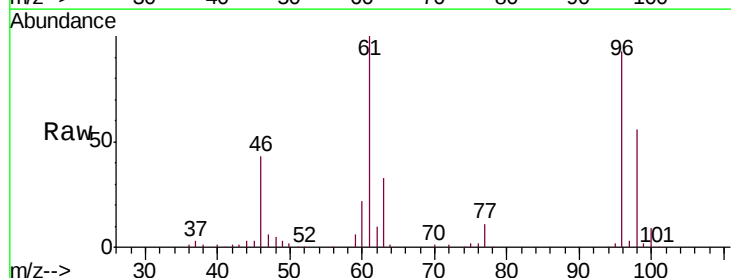
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

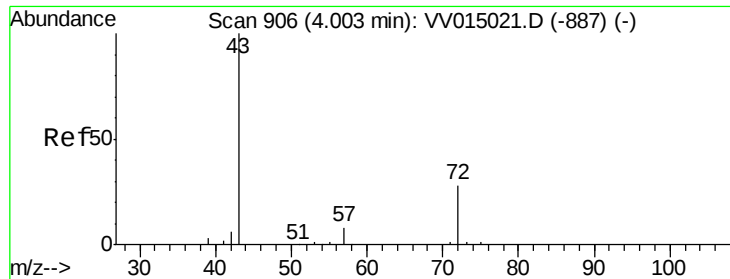
Tgt Ion: 63 Resp: 169839
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.0 39.0
 83 15.3 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 51.810 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Tgt Ion: 96 Resp: 115748
 Ion Ratio Lower Upper
 96 100
 61 107.2 78.3 145.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.766 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

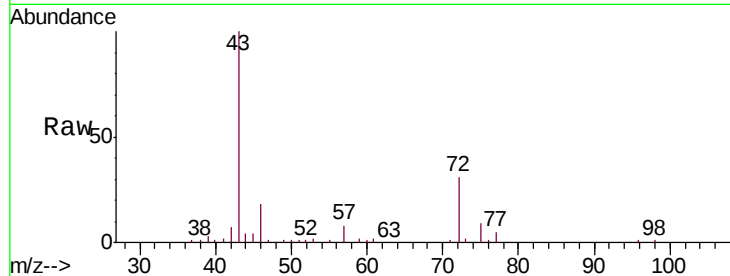
VSTD05098

Tgt Ion: 43 Resp: 107127

Ion Ratio Lower Upper

43 100

72 10.2 12.4 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VV015021.D (-887) (-)

Ion 72.00 (71.70 to 72.70): VV015021.D (-887) (-)

30000

25000

20000

15000

10000

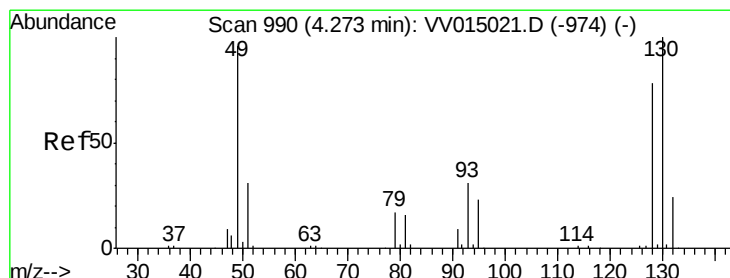
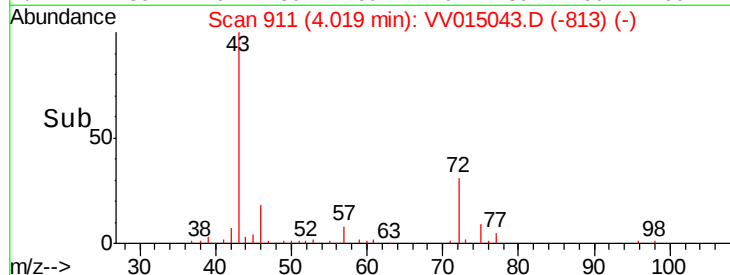
5000

0

Time-->

3.90 4.00 4.10

4.02



#23

Bromochloromethane

Concen: 51.869 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Tgt Ion: 128 Resp: 63024

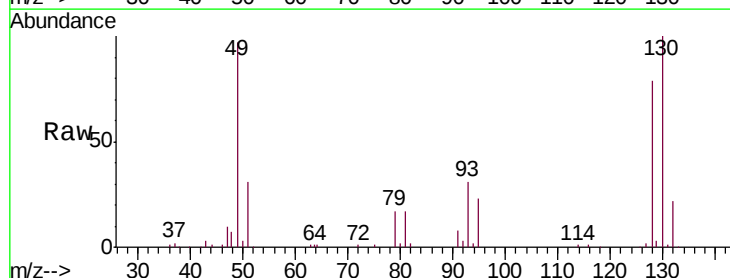
Ion Ratio Lower Upper

128 100

49 122.7 87.9 163.3

130 126.3 92.5 171.9

51 39.1 29.7 44.5



Abundance Ion 128.00 (127.70 to 128.70): VV015021.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV015021.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV015021.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV015021.D (-974) (-)

50000

40000

30000

20000

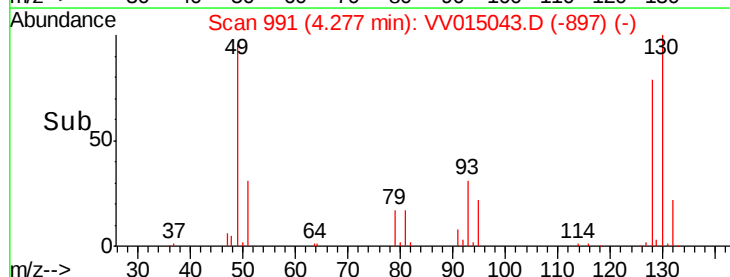
10000

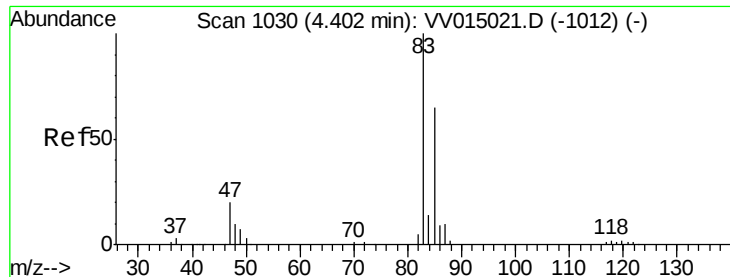
0

Time-->

4.20 4.25 4.30 4.35

4.28

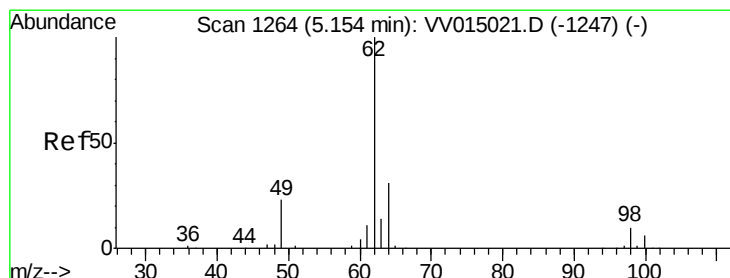
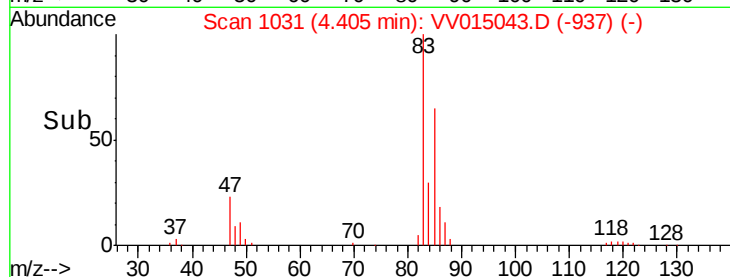
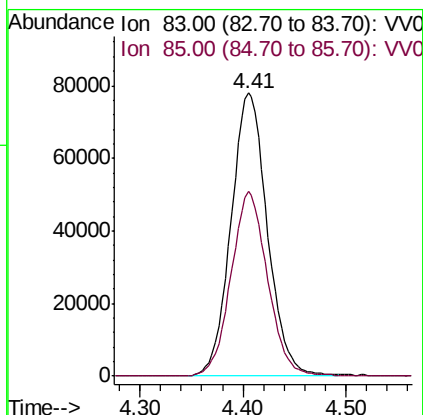
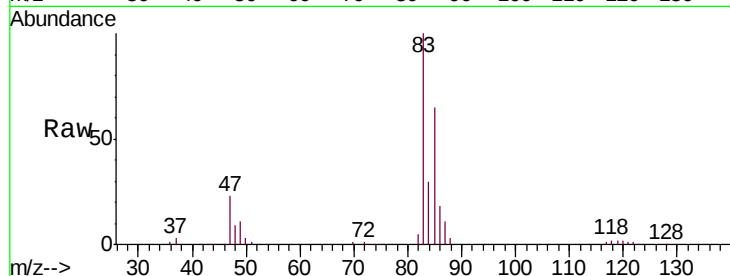




#25
Chloroform
Concen: 49.805 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

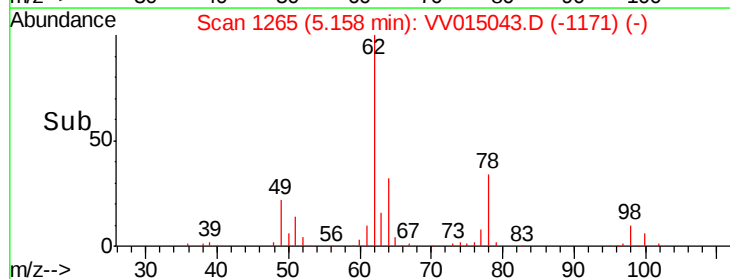
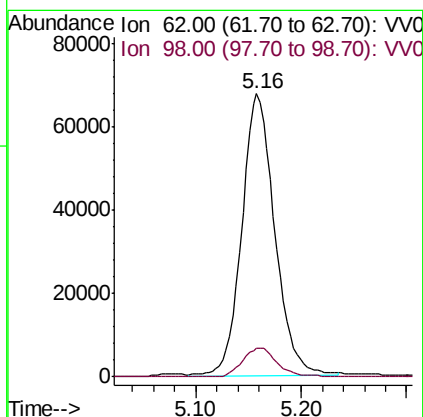
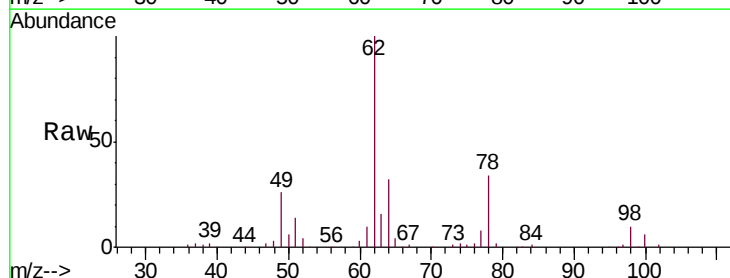
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

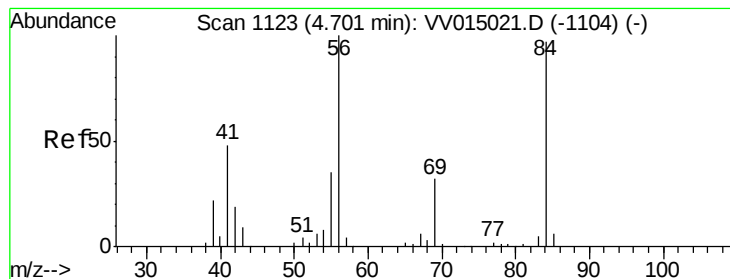
Tgt Ion: 83 Resp: 191331
Ion Ratio Lower Upper
83 100
85 65.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 51.089 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

Tgt Ion: 62 Resp: 146560
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.8





#29

Cyclohexane

Concen: 41.549 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

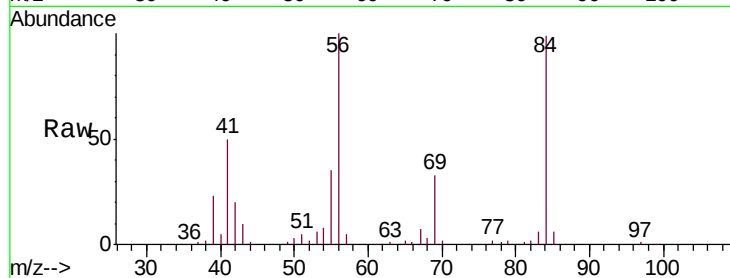
Tgt Ion: 56 Resp: 118295

Ion Ratio Lower Upper

56 100

69 33.2 25.8 38.6

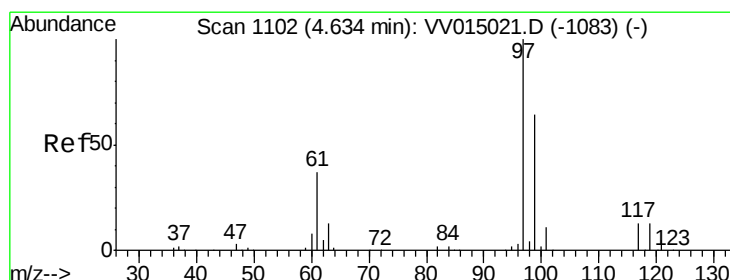
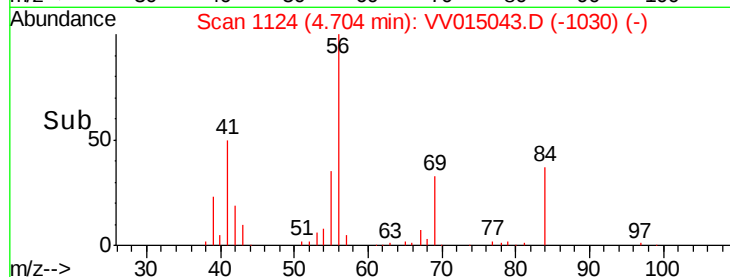
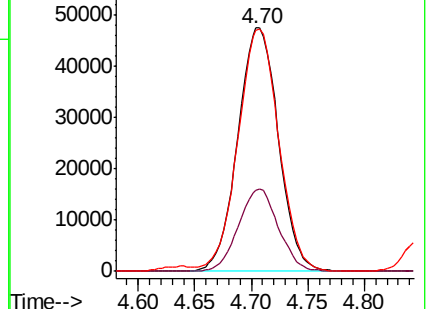
84 100.0 80.0 120.0



Abundance Ion 56.00 (55.70 to 56.70): VV015021.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV015021.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV015021.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 47.362 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

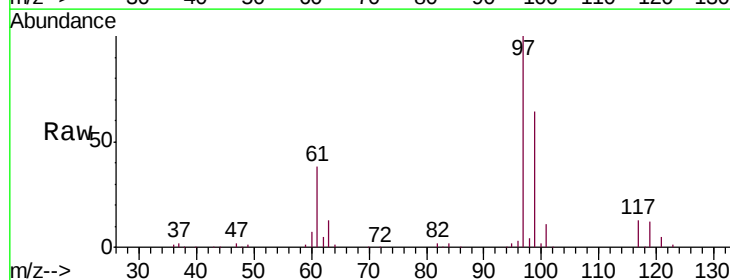
Tgt Ion: 97 Resp: 162023

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

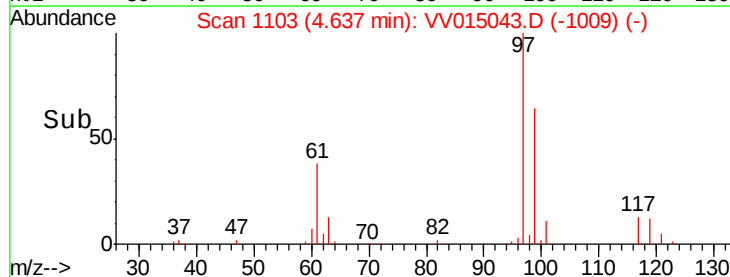
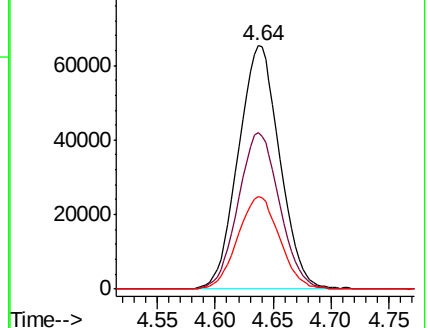
61 38.5 30.5 45.7

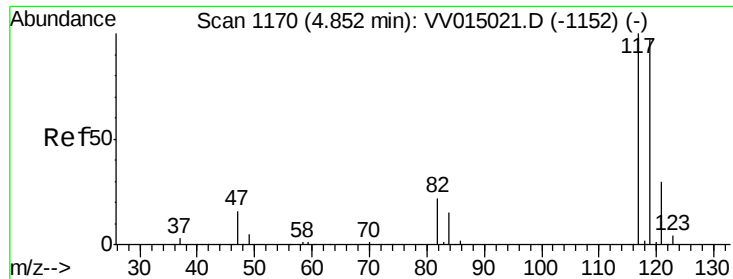


Abundance Ion 97.00 (96.70 to 97.70): VV015021.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV015021.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV015021.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 44.875 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

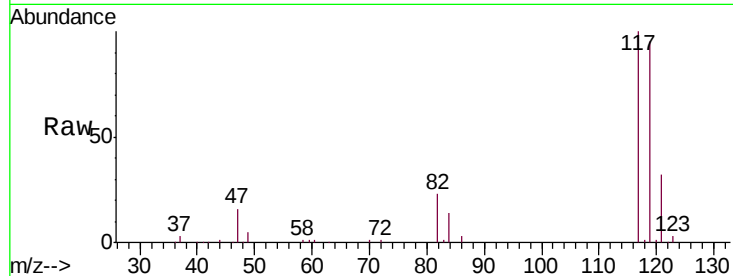
VSTD05098

Tgt Ion:117 Resp: 137962

Ion Ratio Lower Upper

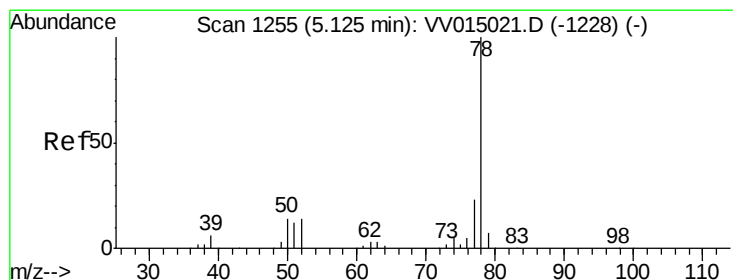
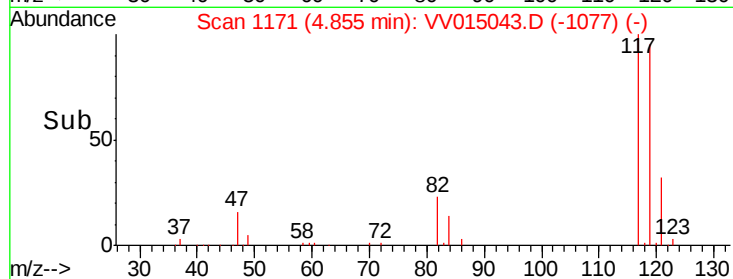
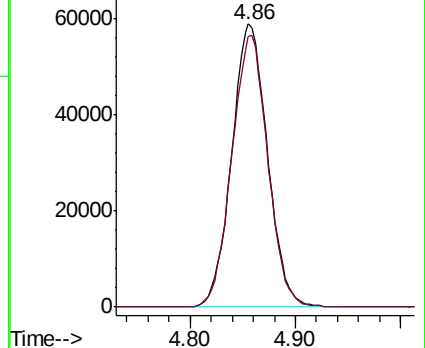
117 100

119 96.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.041 ug/L

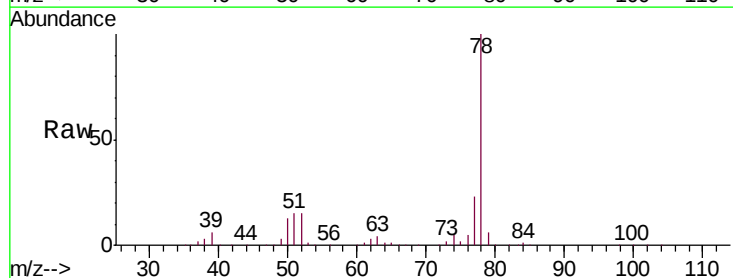
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

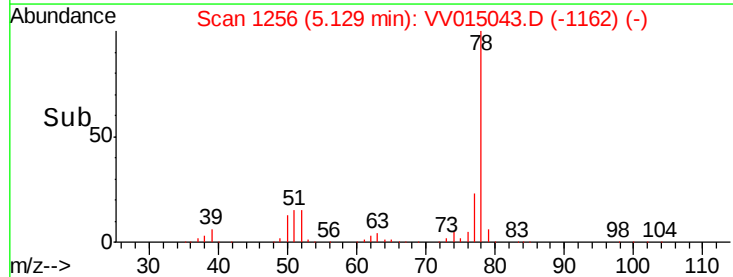
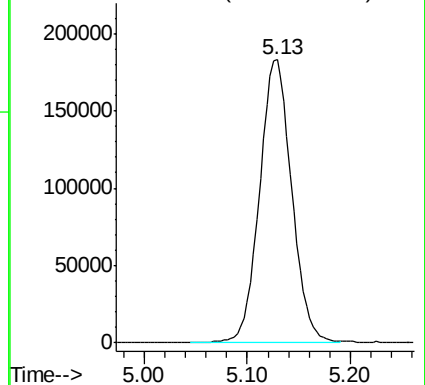
Lab File: VV015043.D

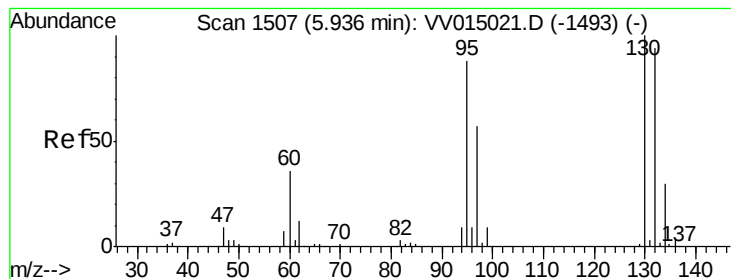
Acq: 19 Mar 2020 03:16

Tgt Ion: 78 Resp: 396219



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 46.250 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tgt Ion: 95 Resp: 97263

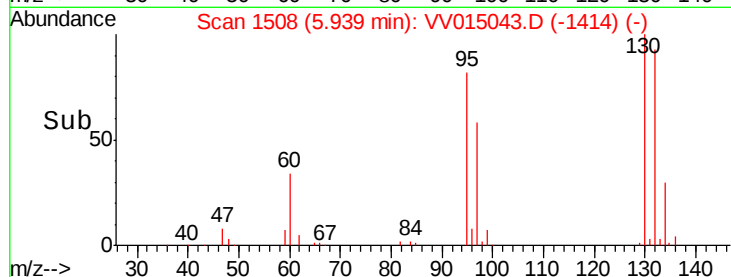
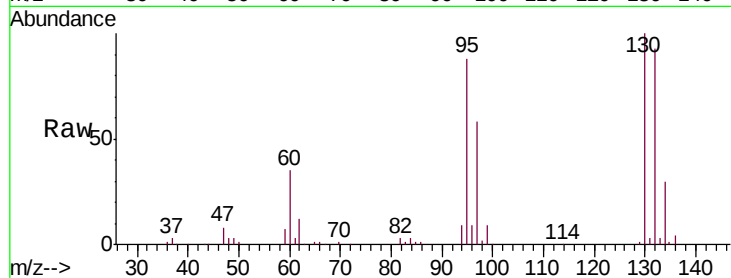
Ion Ratio Lower Upper

95 100

97 65.6 46.8 87.0

132 105.7 76.2 141.4

130 113.5 80.8 150.2

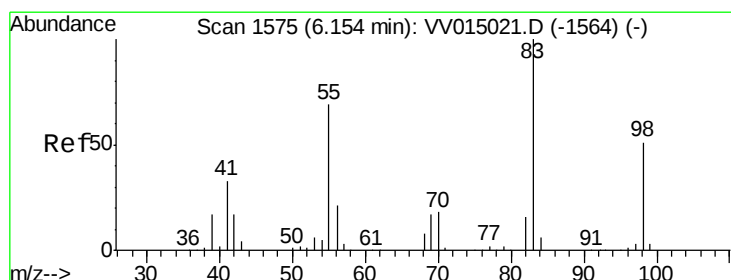
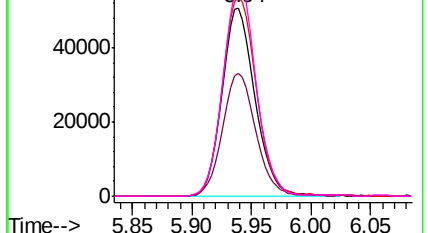


Abundance Ion 95.00 (94.70 to 95.70): VV015043.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV015043.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV015043.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV015043.D (-1414) (-)



#35

Methylcyclohexane

Concen: 40.985 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

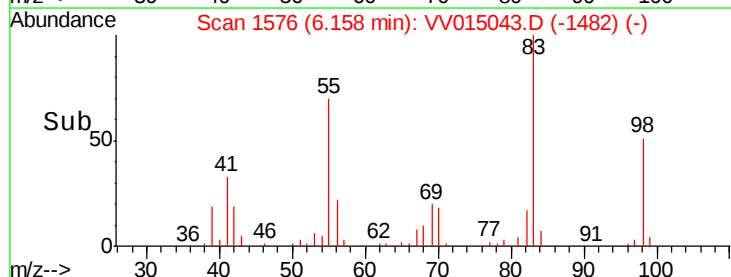
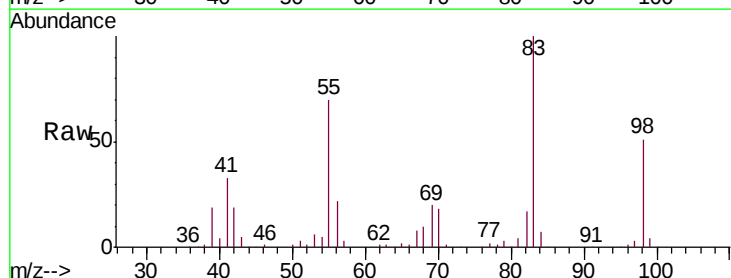
Tgt Ion: 83 Resp: 136767

Ion Ratio Lower Upper

83 100

55 68.2 55.4 83.0

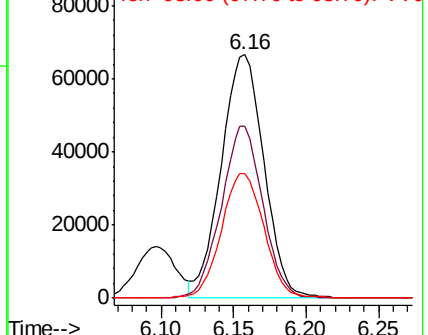
98 49.9 40.6 61.0

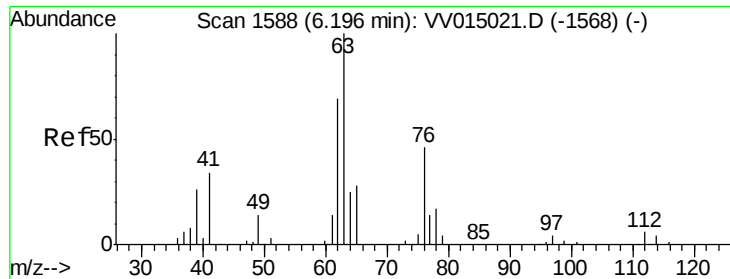


Abundance Ion 83.00 (82.70 to 83.70): VV015043.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV015043.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV015043.D (-1482) (-)

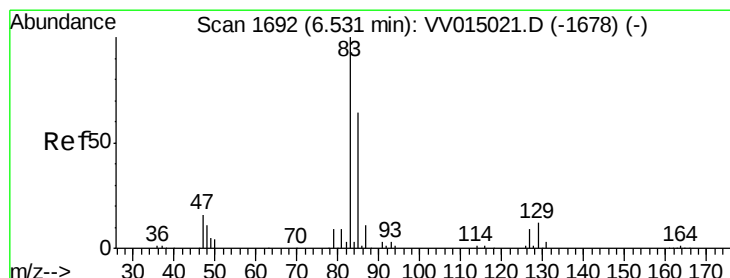
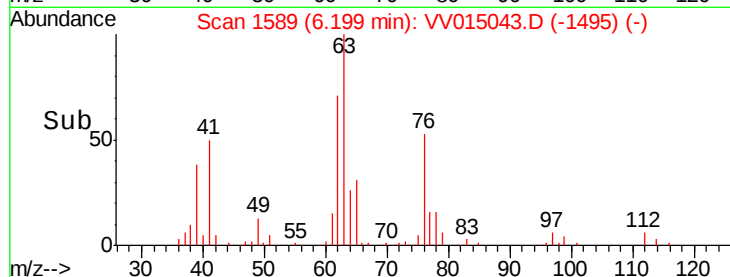
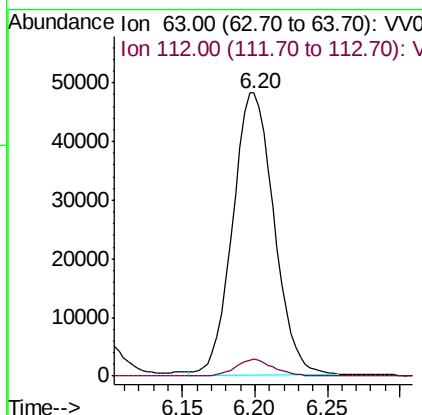
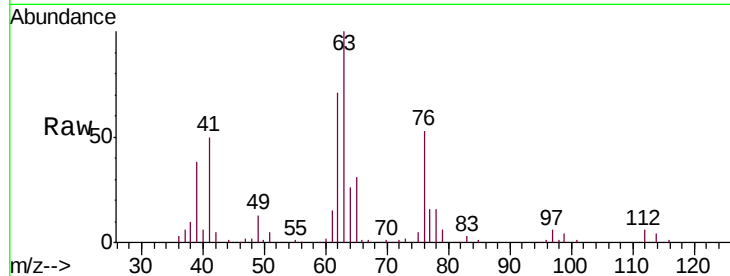




#37
 1,2-Dichloropropane
 Concen: 50.564 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

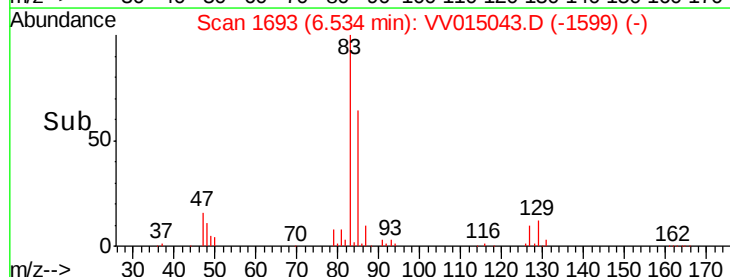
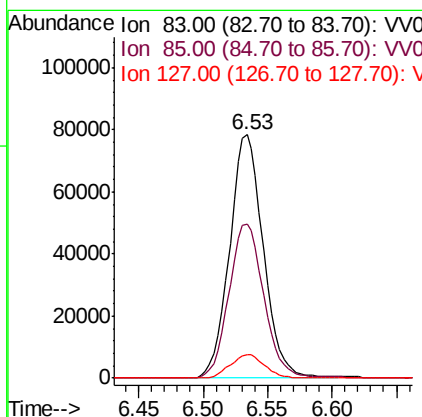
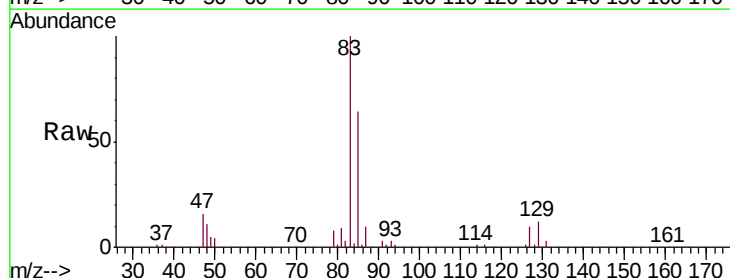
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

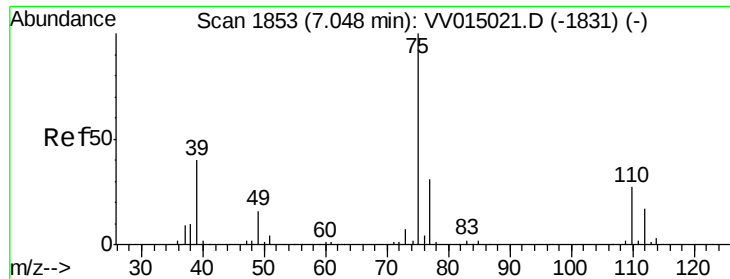
Tgt Ion: 63 Resp: 94921
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.4 6.6



#38
 Bromodichloromethane
 Concen: 51.995 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Tgt Ion: 83 Resp: 142352
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.6 82.8
 127 9.8 7.4 11.2

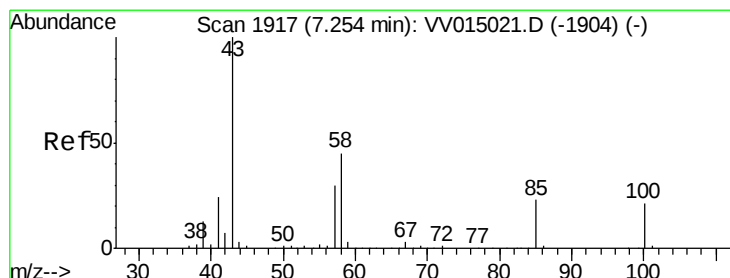
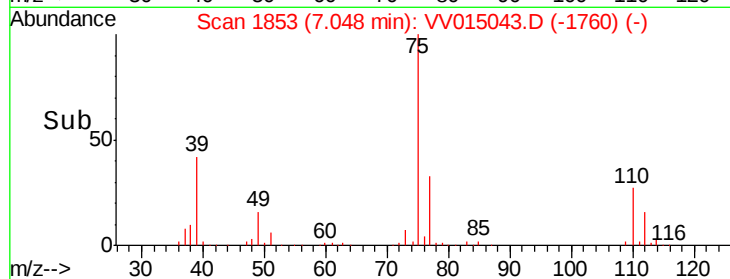
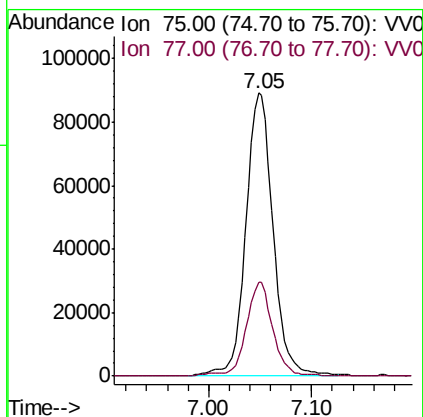
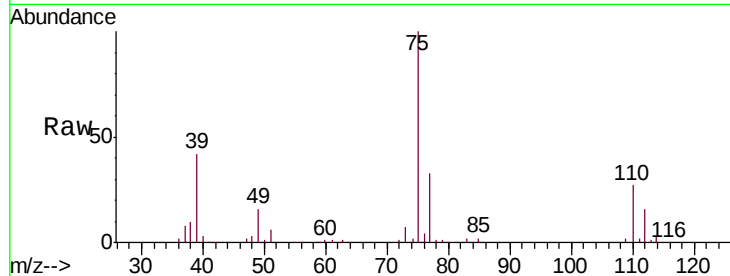




#39
 cis-1,3-Dichloropropene
 Concen: 52.050 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

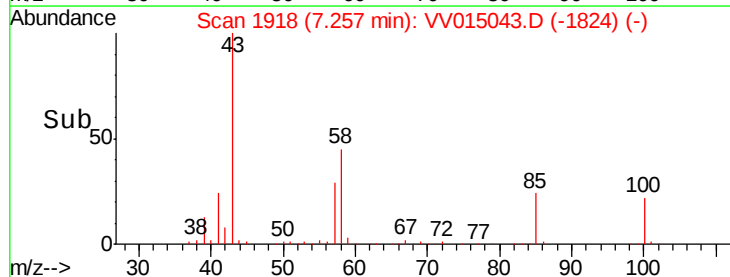
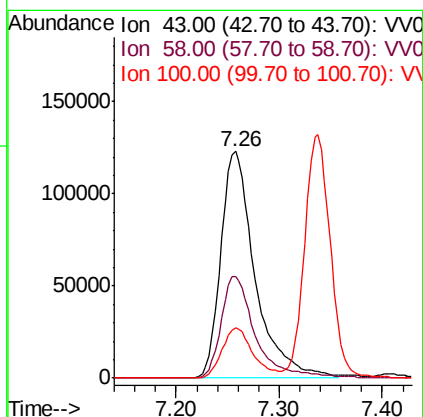
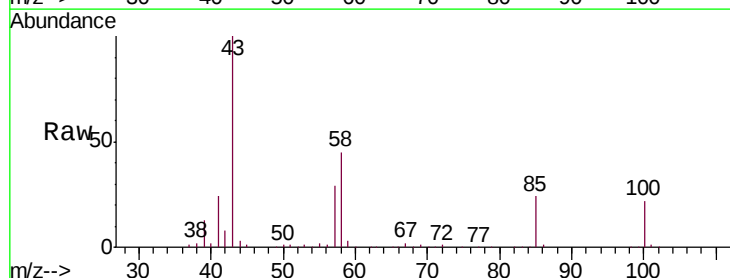
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

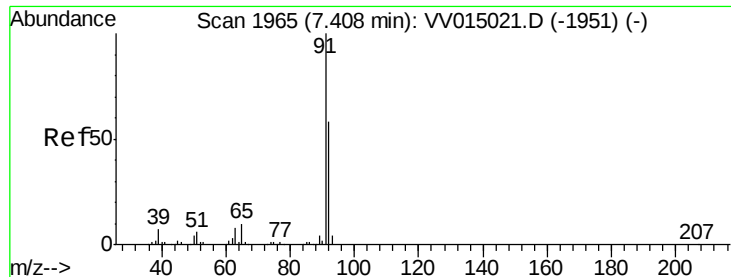
Tgt Ion: 75 Resp: 163614
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 109.636 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Tgt Ion: 43 Resp: 285102
 Ion Ratio Lower Upper
 43 100
 58 44.9 34.5 51.7
 100 20.3 15.7 23.5





#42

Toluene

Concen: 48.906 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

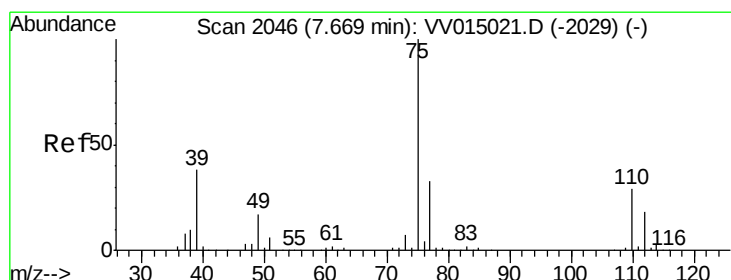
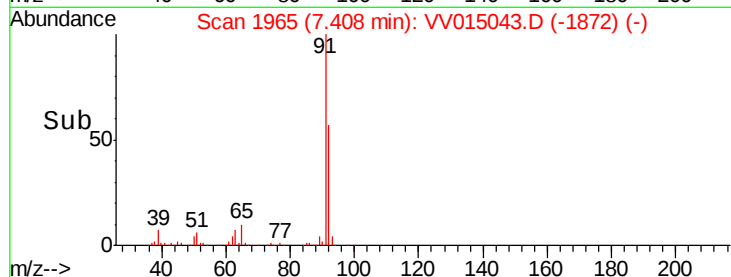
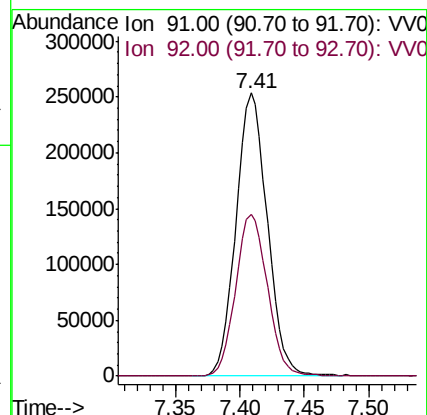
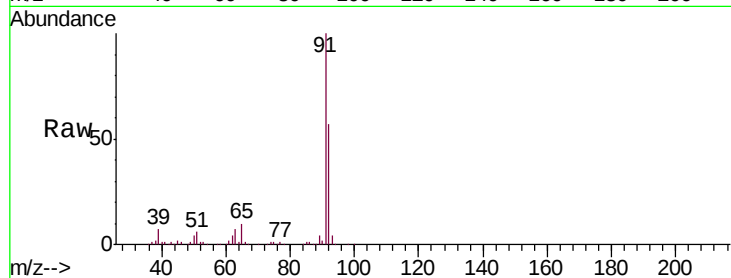
VSTD05098

Tgt Ion: 91 Resp: 429177

Ion Ratio Lower Upper

91 100

92 57.4 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 51.399 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015043.D

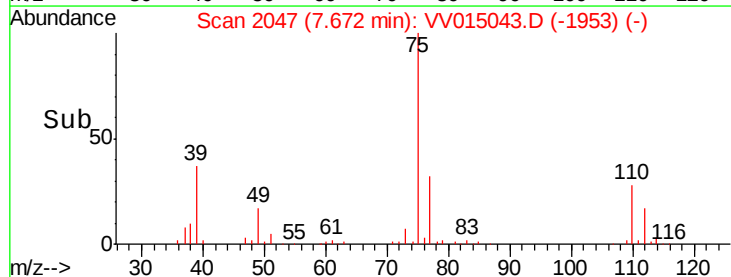
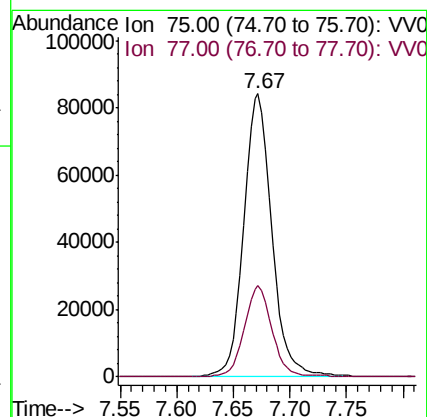
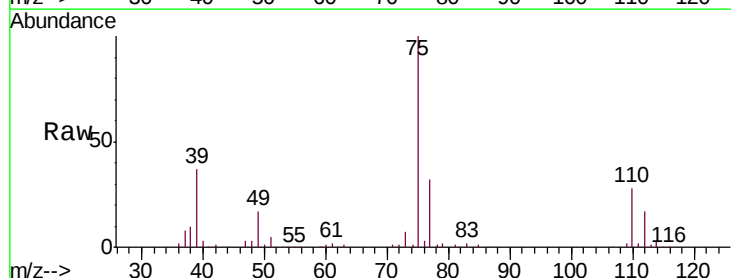
Acq: 19 Mar 2020 03:16

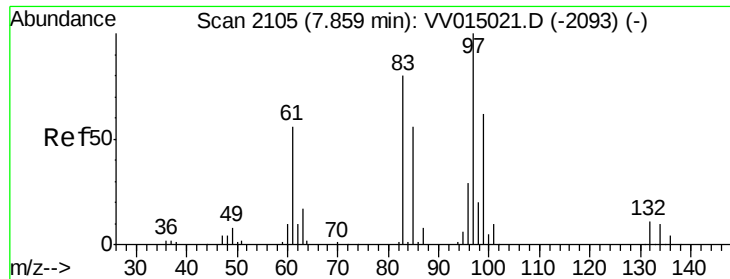
Tgt Ion: 75 Resp: 146349

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3

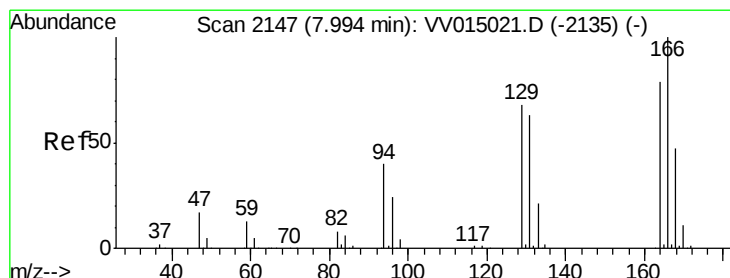
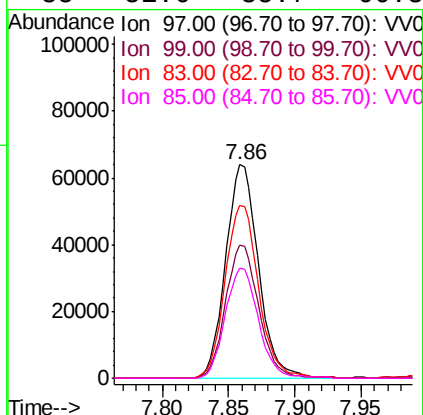
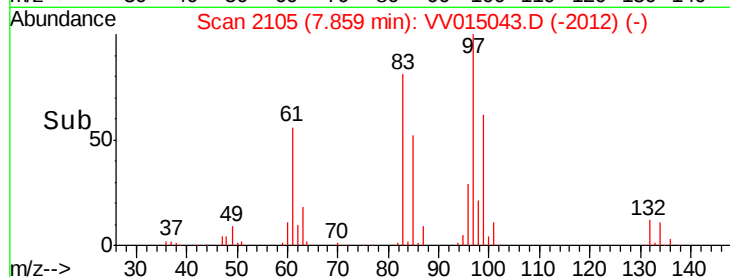
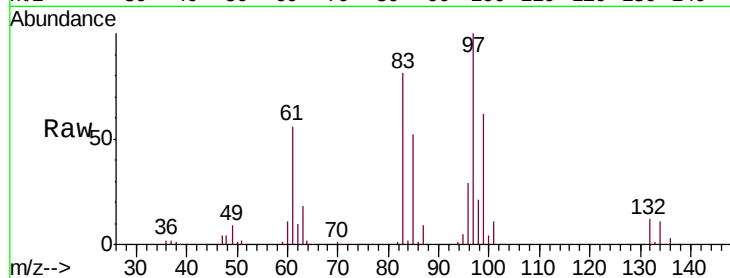




#45
 1,1,2-Trichloroethane
 Concen: 53.814 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

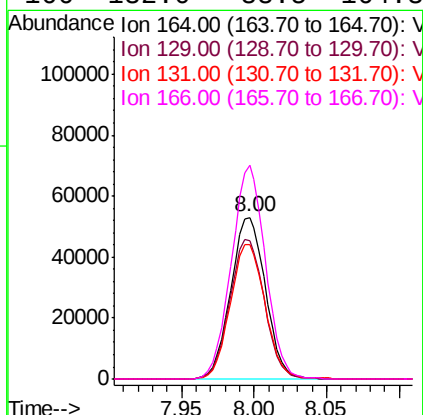
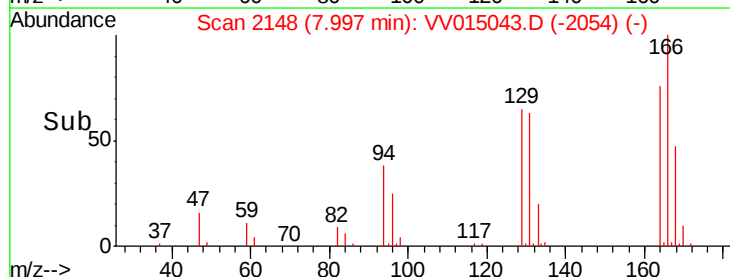
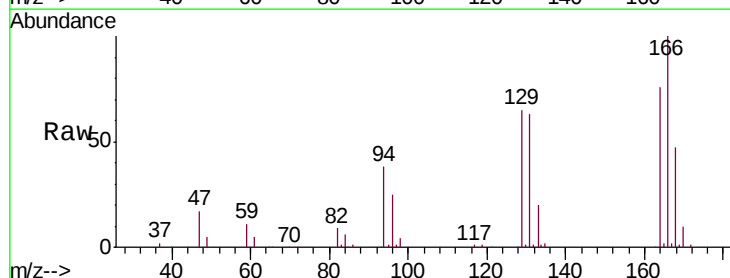
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

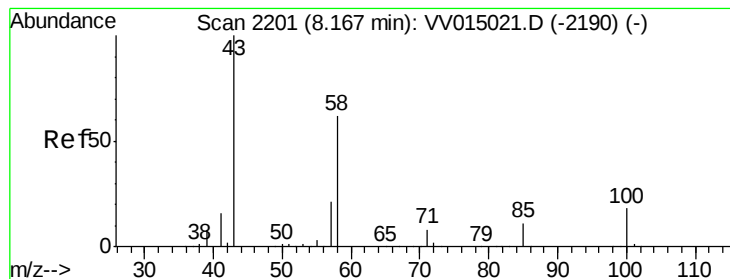
Tgt Ion:	97	Resp:	110131
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.3	82.3
83	80.7	59.5	110.5
85	51.6	35.7	66.3



#46
 Tetrachloroethene
 Concen: 44.245 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Tgt Ion:	164	Resp:	88348
Ion	Ratio	Lower	Upper
164	100		
129	85.5	60.4	112.2
131	83.1	57.0	105.8
166	132.0	88.5	164.3





#48

2-Hexanone

Concen: 110.226 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tgt Ion: 43 Resp: 214112

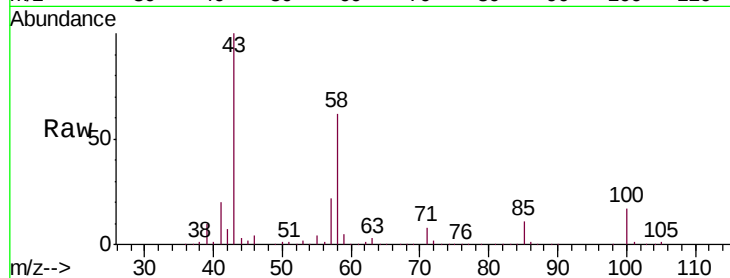
Ion Ratio Lower Upper

43 100

58 61.8 48.2 72.2

57 21.6 15.8 23.6

100 17.1 12.6 19.0

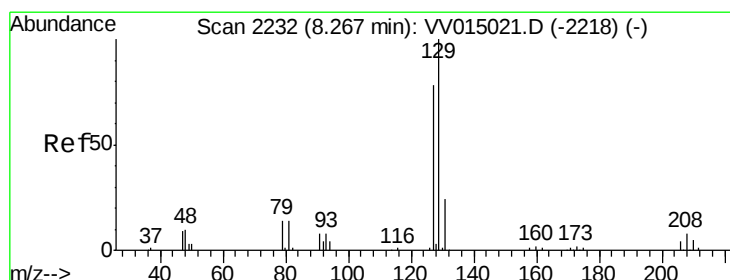
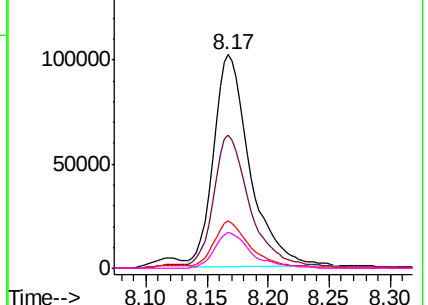
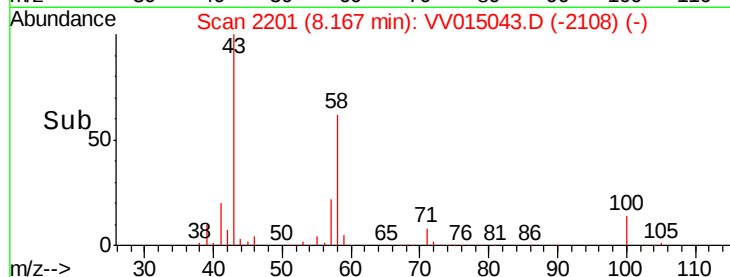


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 52.861 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV015043.D

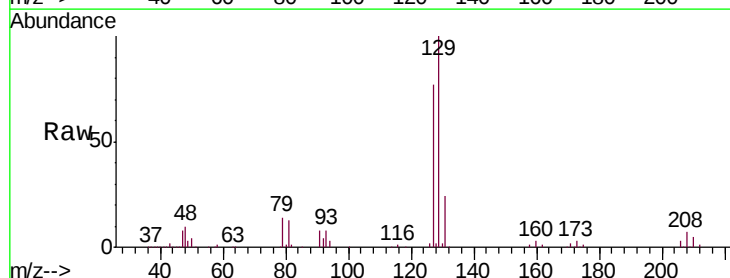
Acq: 19 Mar 2020 03:16

Tgt Ion: 129 Resp: 125728

Ion Ratio Lower Upper

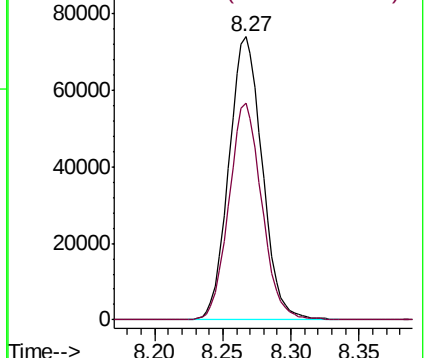
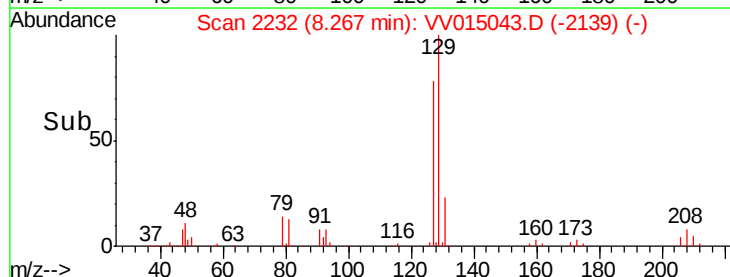
129 100

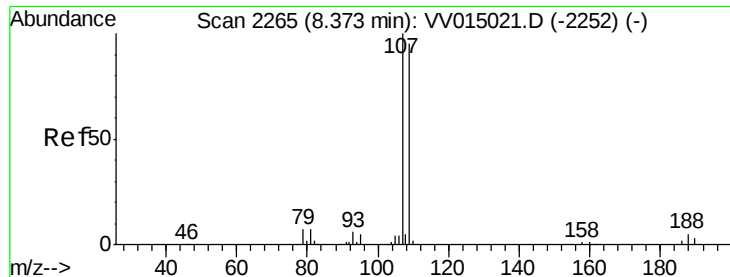
127 76.6 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): VV0

Ion 127.00 (126.70 to 127.70): VV0

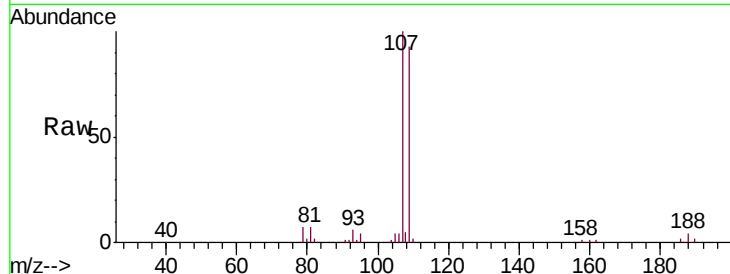




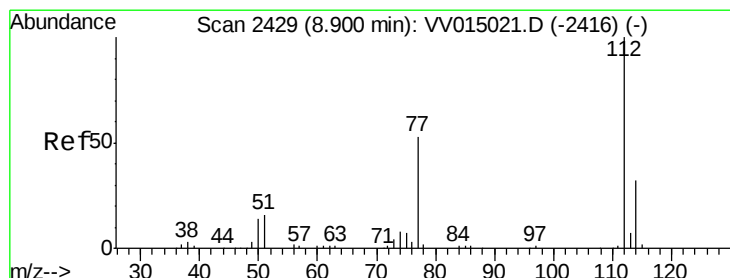
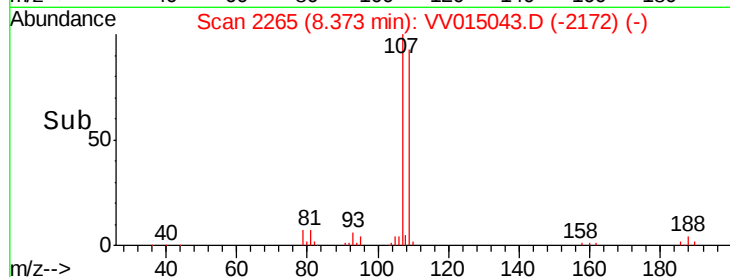
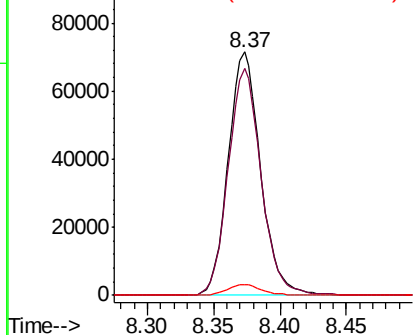
#50
1,2-Dibromoethane
Concen: 53.114 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tgt Ion:107 Resp: 121314
Ion Ratio Lower Upper
107 100
109 93.1 66.0 122.6
188 4.4 3.9 5.9

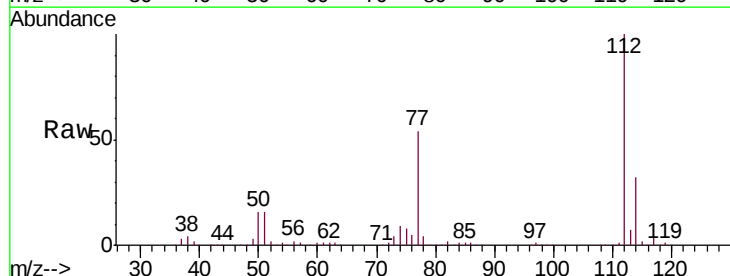


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

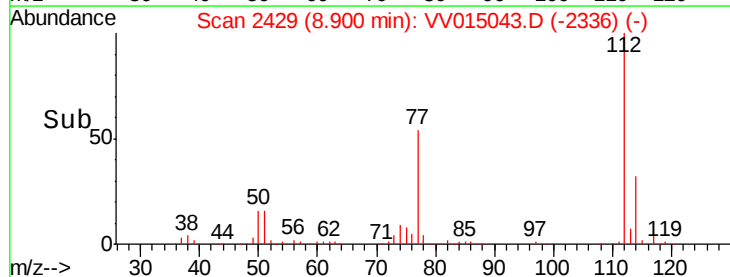
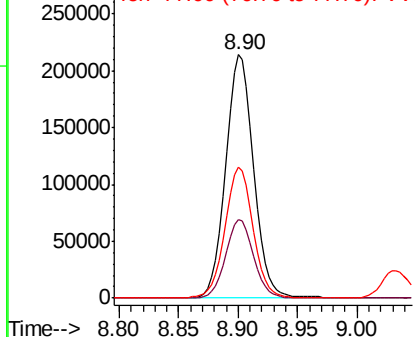


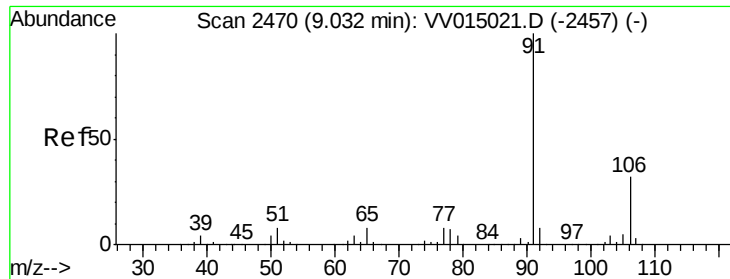
#51
Chlorobenzene
Concen: 56.350 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV015043.D
Acq: 19 Mar 2020 03:16

Tgt Ion:112 Resp: 347685
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 53.7 42.9 64.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 46.522 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

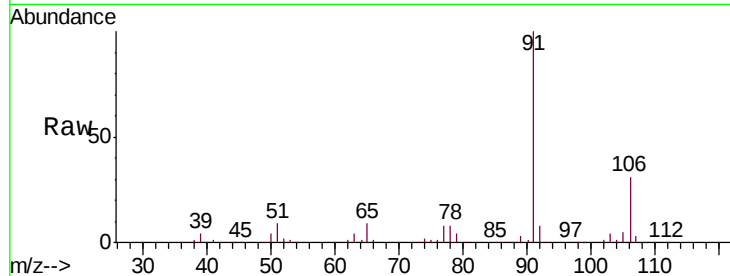
VSTD05098

Tgt Ion: 91 Resp: 463748

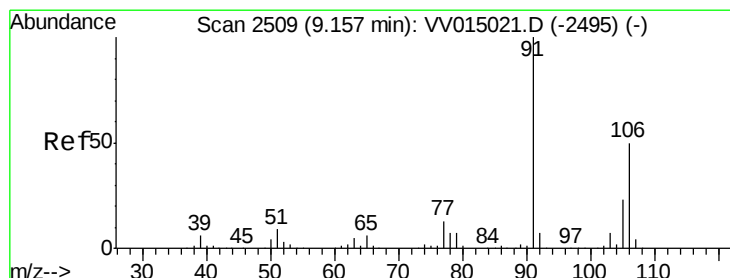
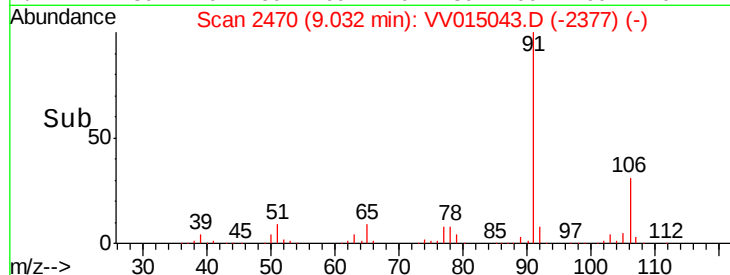
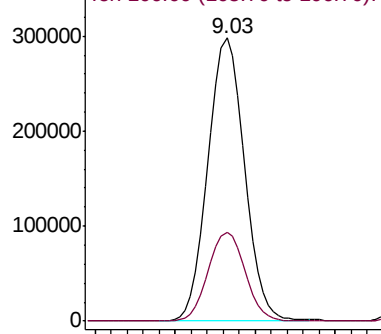
Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV015043.D (-2377) (-)



#53

m,p-Xylene

Concen: 46.520 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015043.D

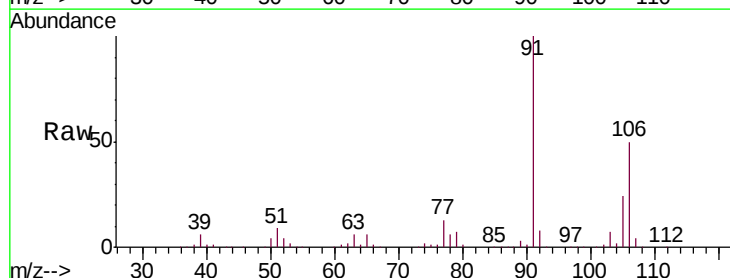
Acq: 19 Mar 2020 03:16

Tgt Ion: 106 Resp: 181549

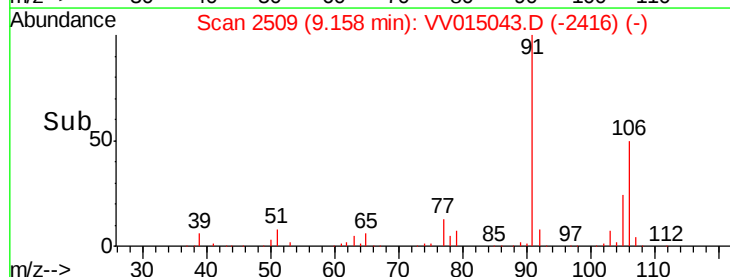
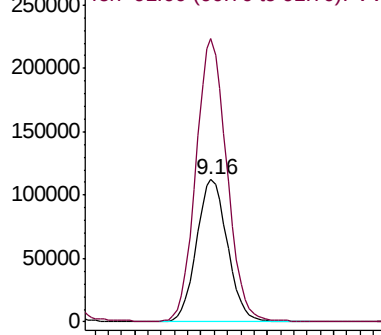
Ion Ratio Lower Upper

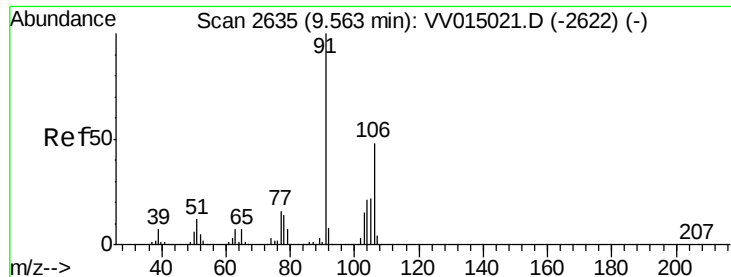
106 100

91 198.9 137.0 254.4



Abundance Ion 106.00 (105.70 to 106.70): VV015043.D (-2416) (-)





#54

o-xylene

Concen: 48.691 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

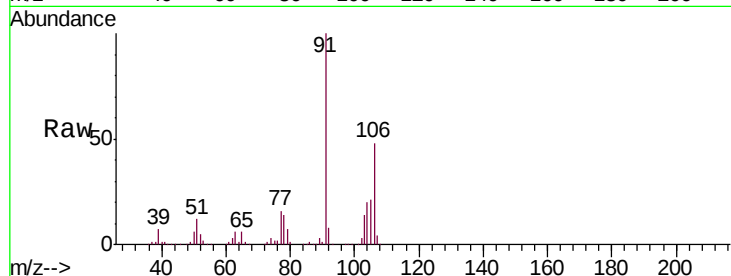
VSTD05098

Tgt Ion:106 Resp: 188174

Ion Ratio Lower Upper

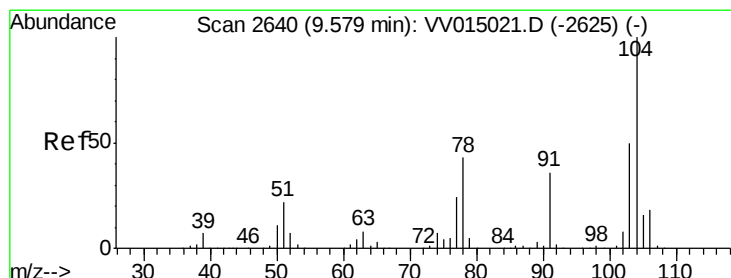
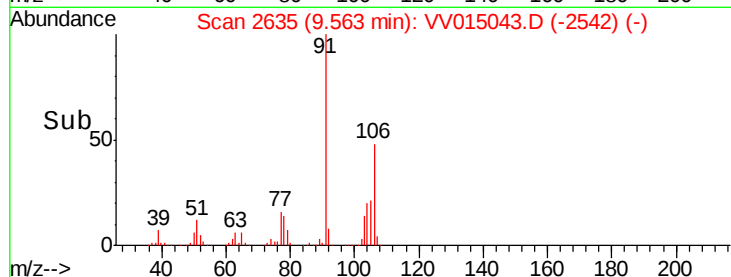
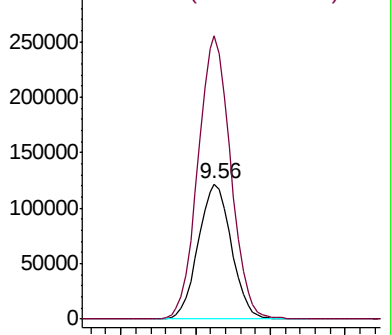
106 100

91 209.4 144.3 268.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.121 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV015043.D

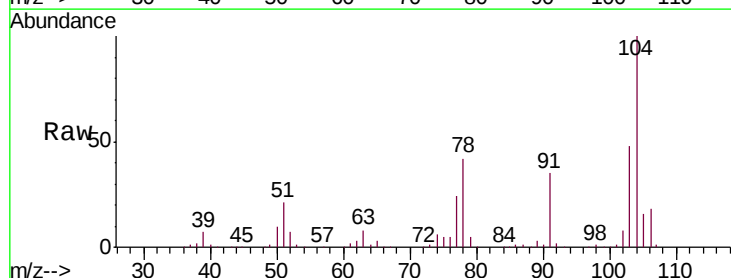
Acq: 19 Mar 2020 03:16

Tgt Ion:104 Resp: 325319

Ion Ratio Lower Upper

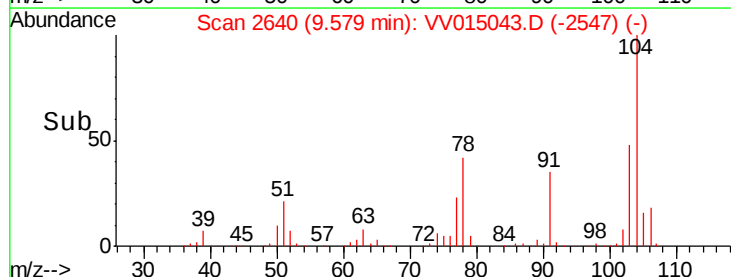
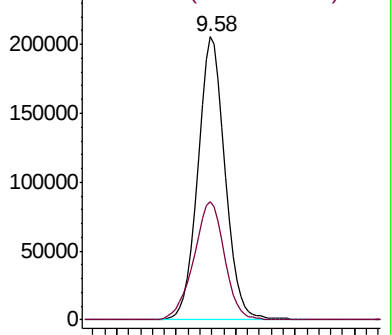
104 100

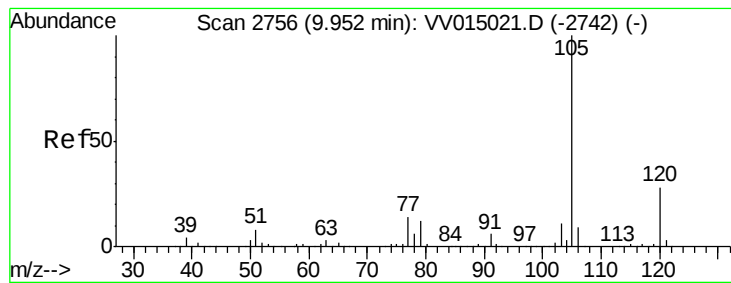
78 41.9 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.710 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

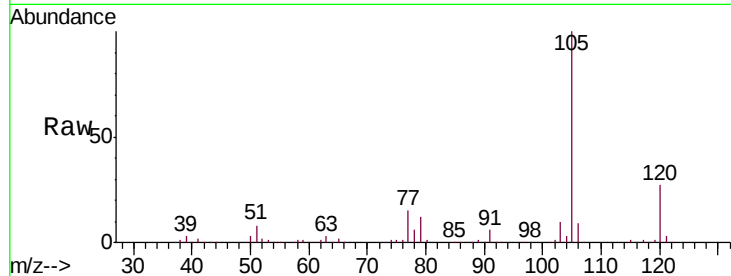
Tgt Ion: 105 Resp: 460100

Ion Ratio Lower Upper

105 100

120 27.5 21.8 32.6

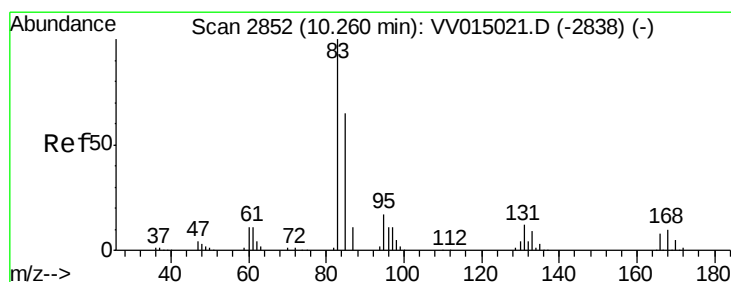
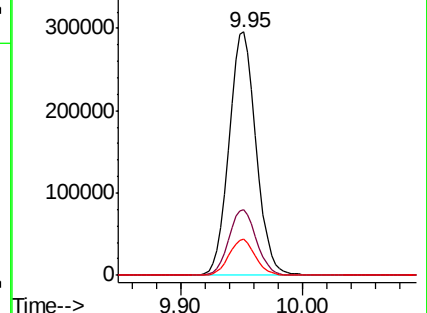
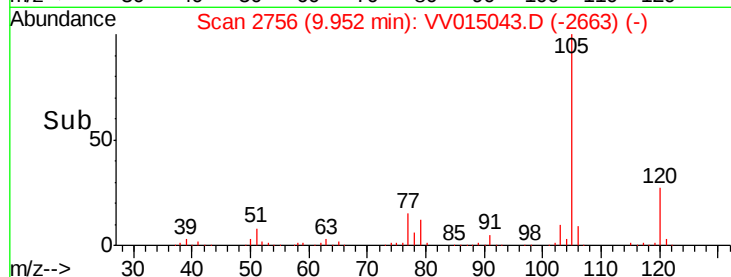
77 14.4 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.758 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

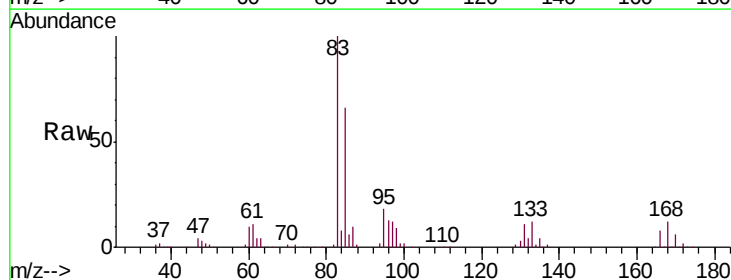
Tgt Ion: 83 Resp: 178943

Ion Ratio Lower Upper

83 100

85 65.8 44.9 83.5

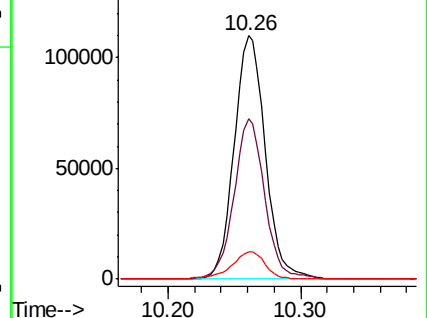
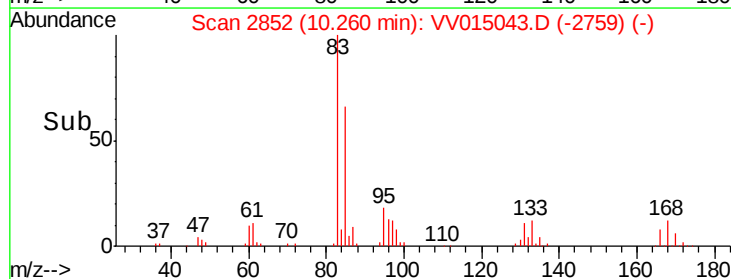
131 11.1 9.3 13.9

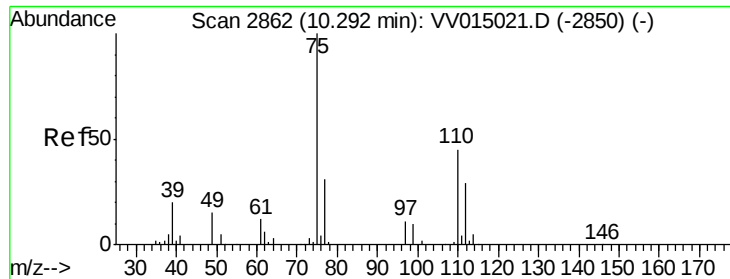


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.267 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

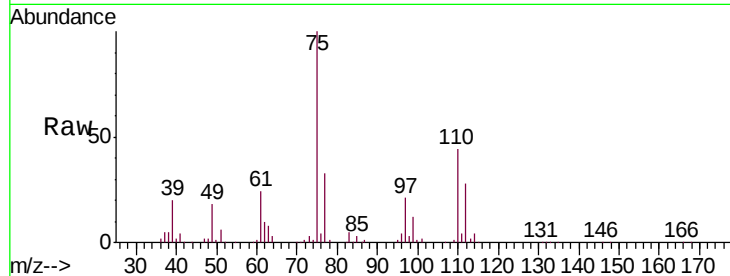
VSTD05098

Tgt Ion: 75 Resp: 143179

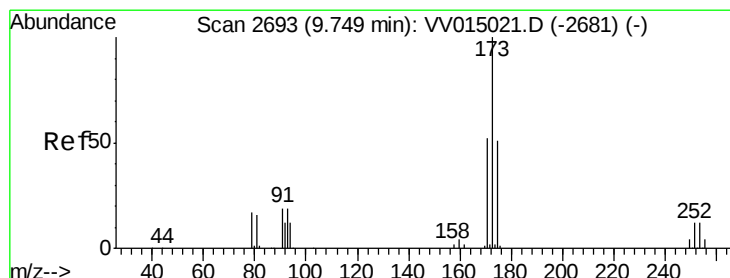
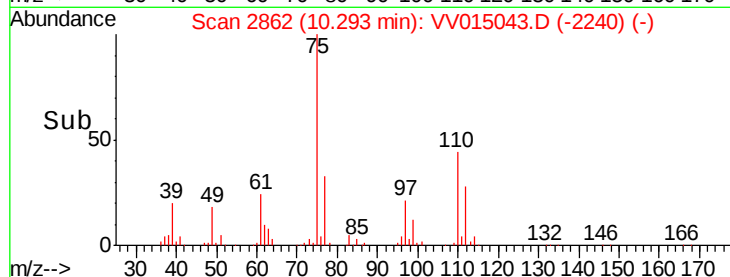
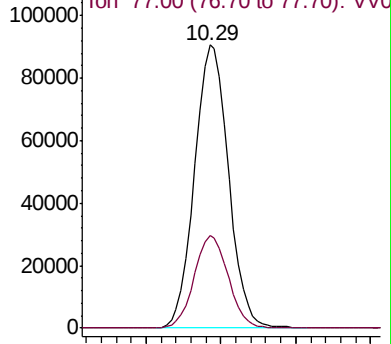
Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV015021.D (-2850) (-)



#61

Bromoform

Concen: 56.136 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

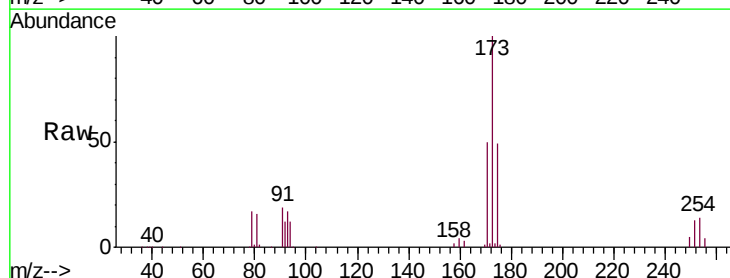
Tgt Ion: 173 Resp: 93890

Ion Ratio Lower Upper

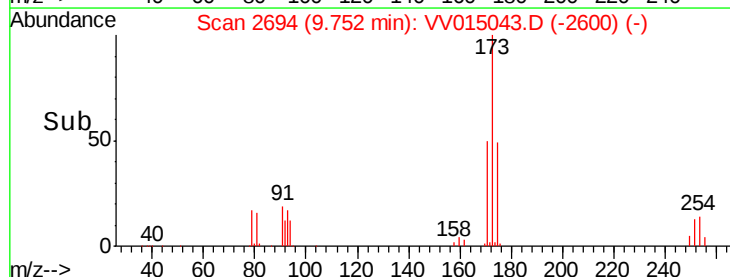
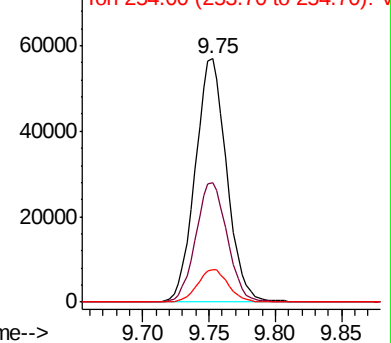
173 100

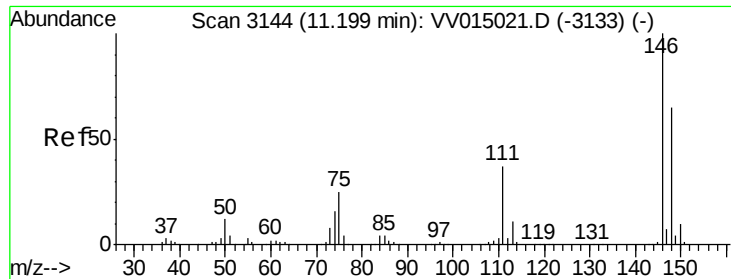
175 49.0 39.5 59.3

254 13.1 10.1 15.1



Abundance Ion 173.00 (172.70 to 173.70): VV015021.D (-2681) (-)

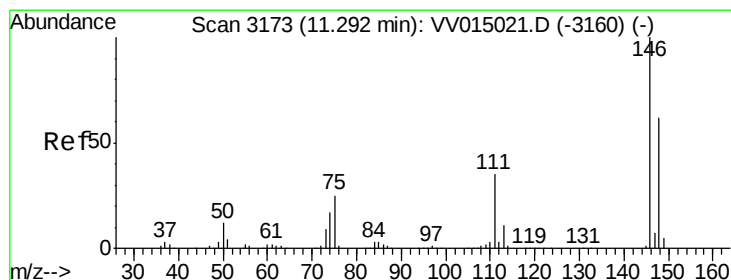
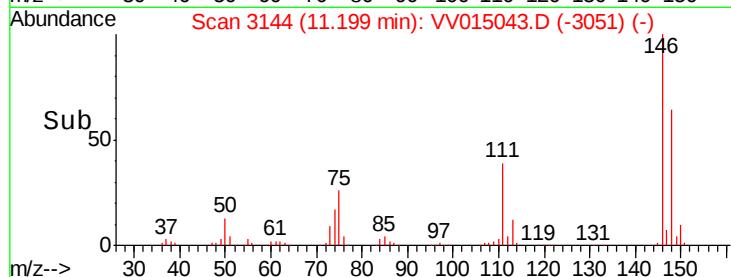
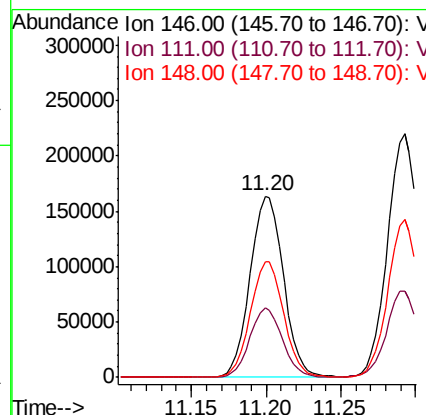
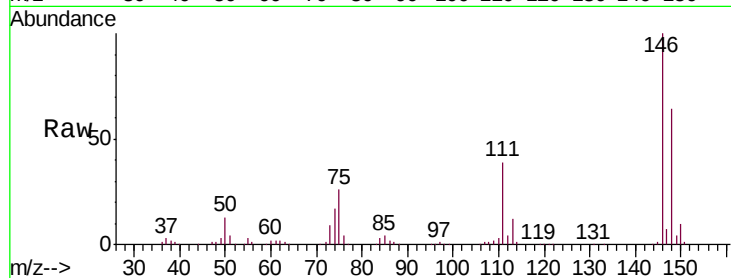




#62
 1,3-Dichlorobenzene
 Concen: 50.015 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

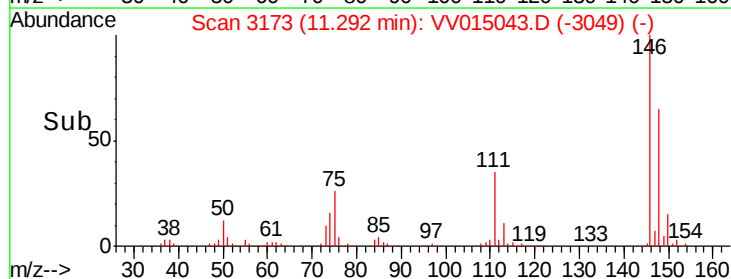
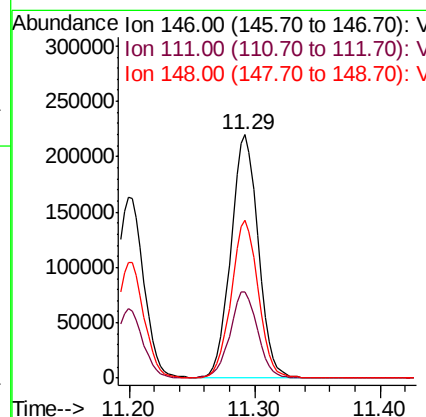
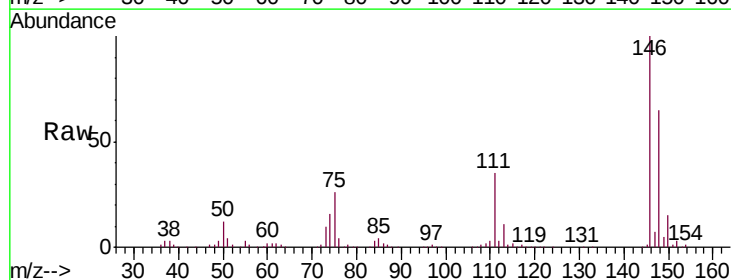
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

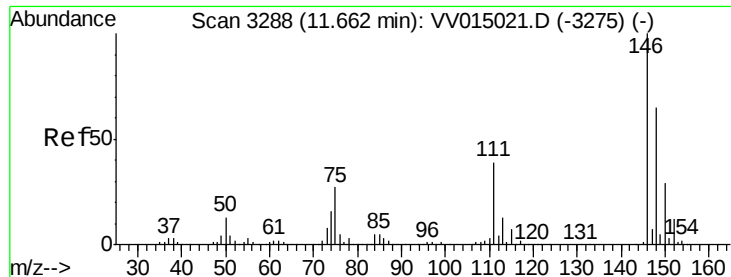
Tgt Ion:146 Resp: 254656
 Ion Ratio Lower Upper
 146 100
 111 38.6 25.7 47.7
 148 64.1 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 62.434 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Tgt Ion:146 Resp: 330895
 Ion Ratio Lower Upper
 146 100
 111 35.5 25.8 48.0
 148 64.7 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 59.778 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

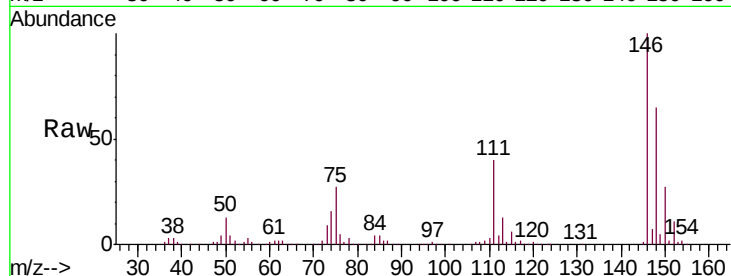
Tgt Ion:146 Resp: 323284

Ion Ratio Lower Upper

146 100

111 40.3 31.5 47.3

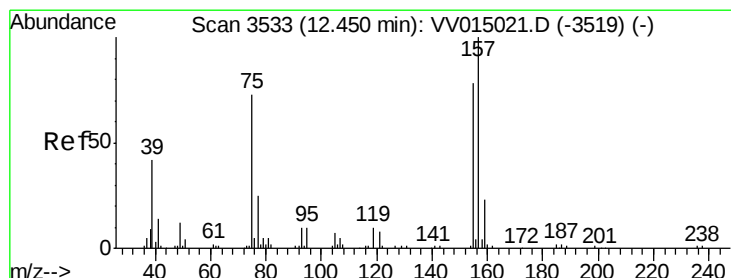
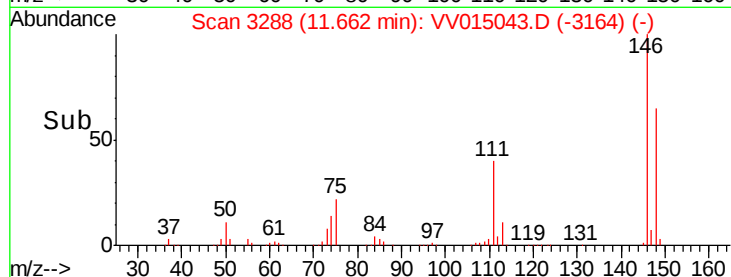
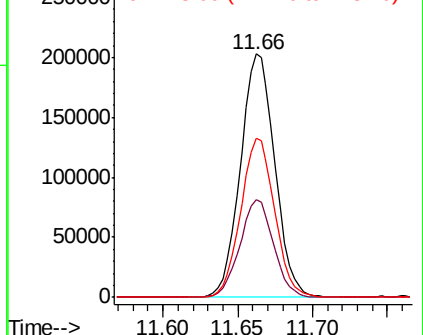
148 65.3 51.7 77.5



Abundance Ion 146.00 (145.70 to 146.70): 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: 53.681 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

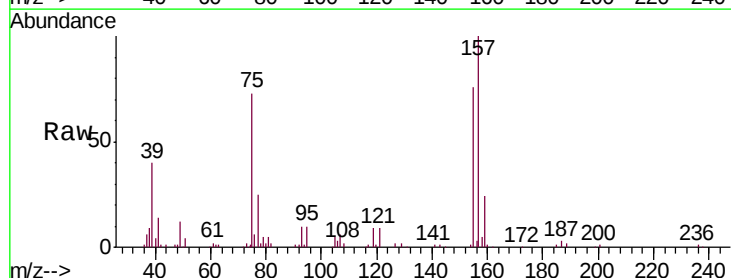
Tgt Ion: 75 Resp: 40572

Ion Ratio Lower Upper

75 100

155 105.2 80.6 121.0

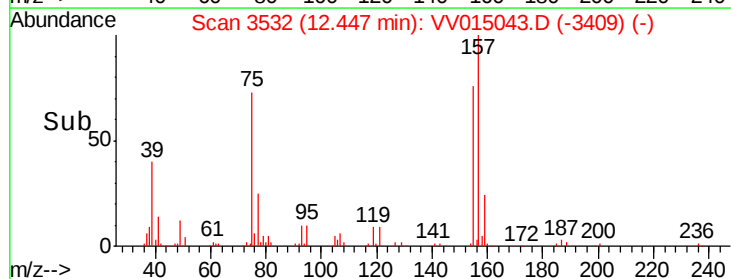
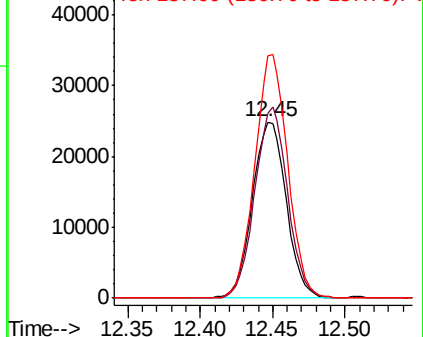
157 137.7 104.6 157.0

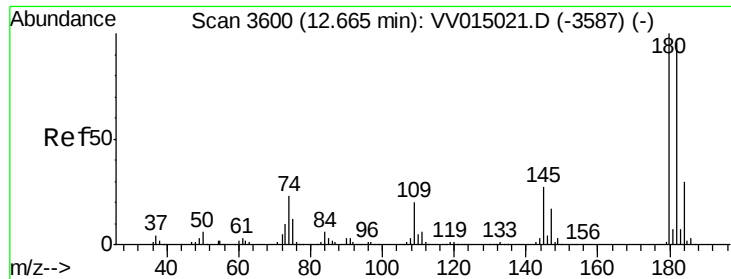


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

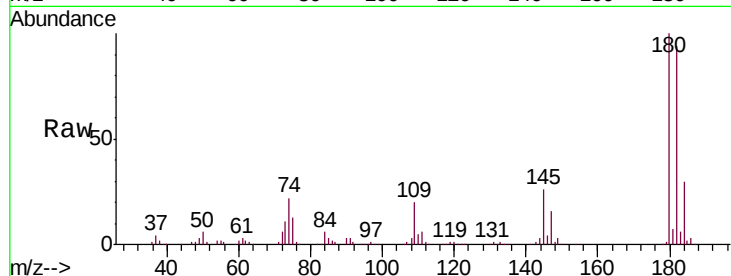




#67
 1,3,5-Trichlorobenzene
 Concen: 46.126 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tgt Ion:	180	Resp:	185819
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.2	112.8
184	30.7	23.9	35.9
145	26.8	22.0	33.0



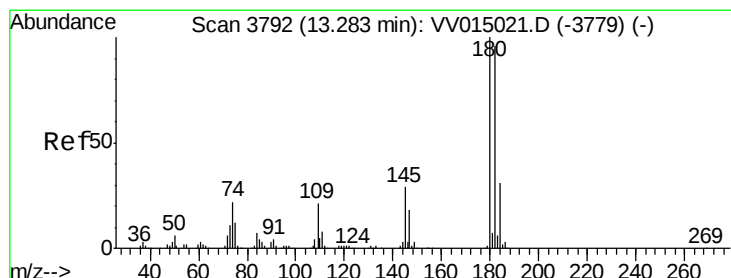
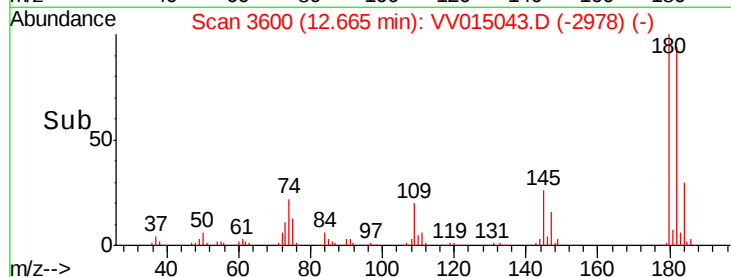
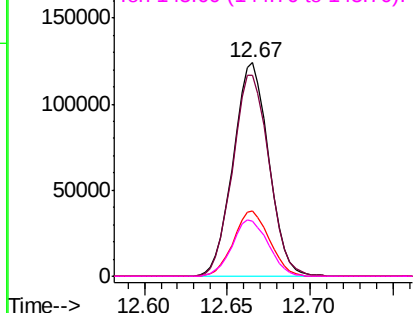
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

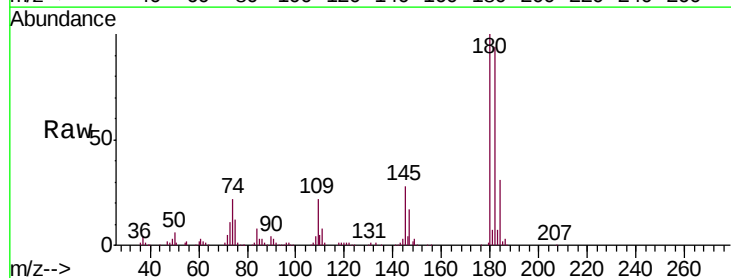
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 58.581 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. -0.00 min
 Lab File: VV015043.D
 Acq: 19 Mar 2020 03:16

Tgt Ion:	180	Resp:	217332
Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.3	114.5
145	27.2	22.2	33.4

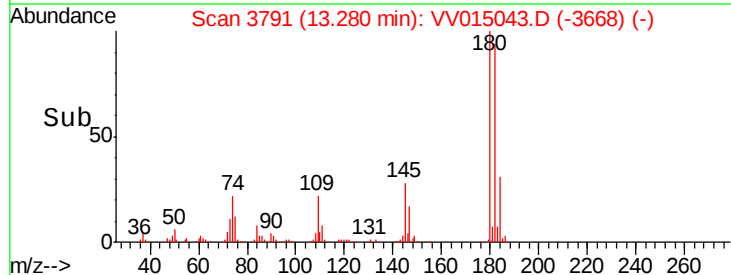
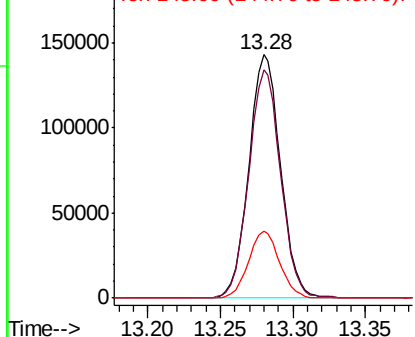


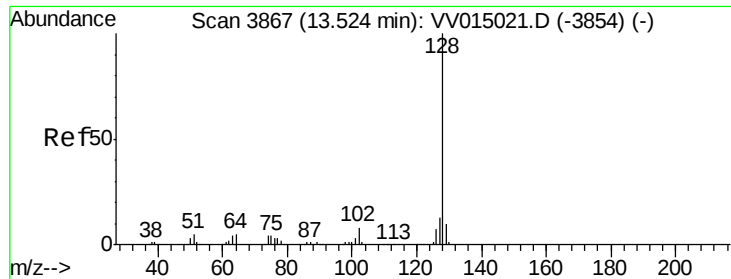
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.109 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. -0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

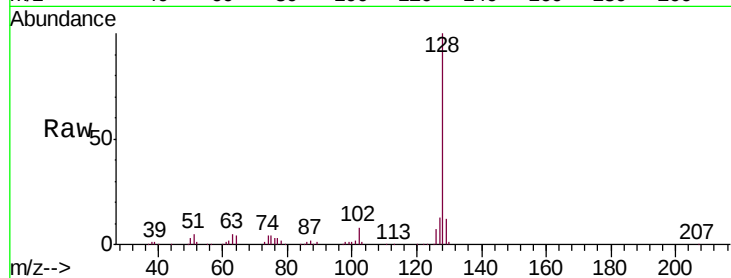
Tgt Ion:128 Resp: 247561

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

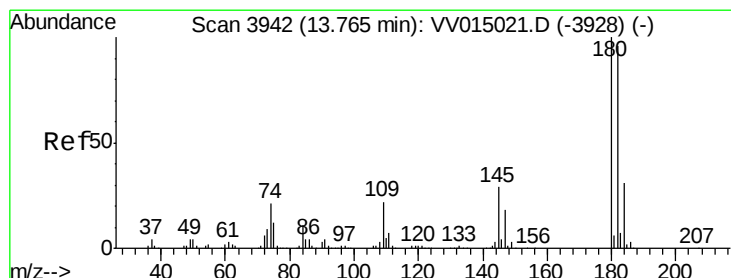
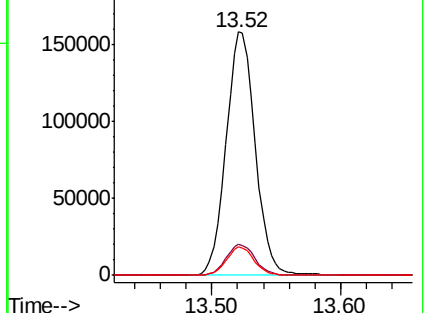
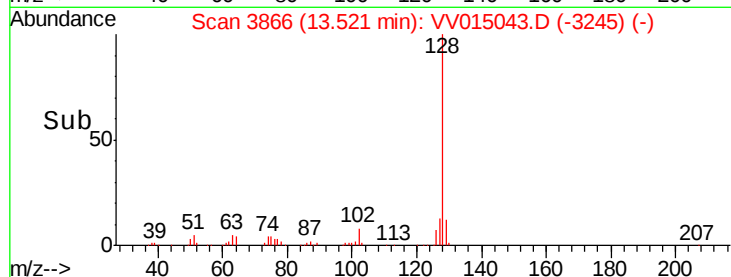
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.557 ug/L

RT: 13.76 min Scan# 3941

Delta R.T. -0.00 min

Lab File: VV015043.D

Acq: 19 Mar 2020 03:16

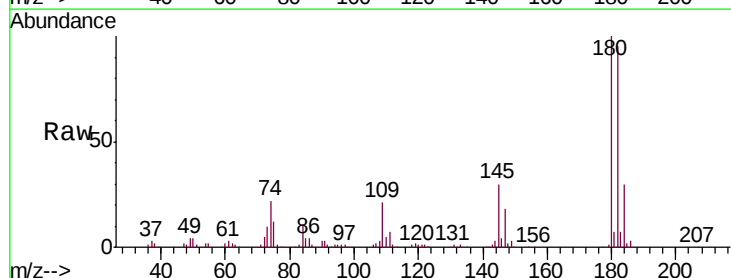
Tgt Ion:180 Resp: 195204

Ion Ratio Lower Upper

180 100

182 93.3 75.5 113.3

145 29.1 23.5 35.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

