

Data File : VV015020.D
Acq On : 18 Mar 2020 17:09
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Quant Time: Mar 19 03:52:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 02:58:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	345093	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	343723	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	185286	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74769	46.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.74%
7) Chloroethane-d5	1.58	69	59389	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.94%
11) 1,1-Dichloroethene-d2	2.12	63	127365	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.44%
21) 2-Butanone-d5	3.93	46	103137	94.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.35%
24) Chloroform-d	4.38	84	190324	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	120362	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.08	84	378099	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
36) 1,2-Dichloropropane-d6	6.10	67	111155	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.14%
41) Toluene-d8	7.34	98	383954	46.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.52%
43) trans-1,3-Dichloropropene-	7.64	79	62098	48.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.36%
47) 2-Hexanone-d5	8.12	63	103665	94.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.27%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	167018	46.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	171327	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	140529	47.635	ug/L	99
3) Chloromethane	1.25	50	95822	47.780	ug/L	96
5) Vinyl chloride	1.32	62	91152	46.999	ug/L	99
6) Bromomethane	1.53	94	60605	48.156	ug/L	96
8) Chloroethane	1.60	64	49508	47.375	ug/L	100
9) Trichlorofluoromethane	1.77	101	148254	48.047	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	72872	49.103	ug/L	98
12) 1,1-Dichloroethene	2.13	96	68640	48.876	ug/L	92
13) Acetone	2.20	43	64765	71.238	ug/L	83
14) Carbon disulfide	2.31	76	237526	47.730	ug/L	99
15) Methyl Acetate	2.46	43	73585	47.311	ug/L	96
16) Methylene chloride	2.53	84	105225	47.283	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	97273	46.146	ug/L	98
18) Methyl tert-butyl Ether	2.79	73	310765	47.889	ug/L	99
19) 1,1-Dichloroethane	3.21	63	169854	46.895	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	113026	47.979	ug/L	96
22) 2-Butanone	4.01	43	116847	94.922	ug/L	98

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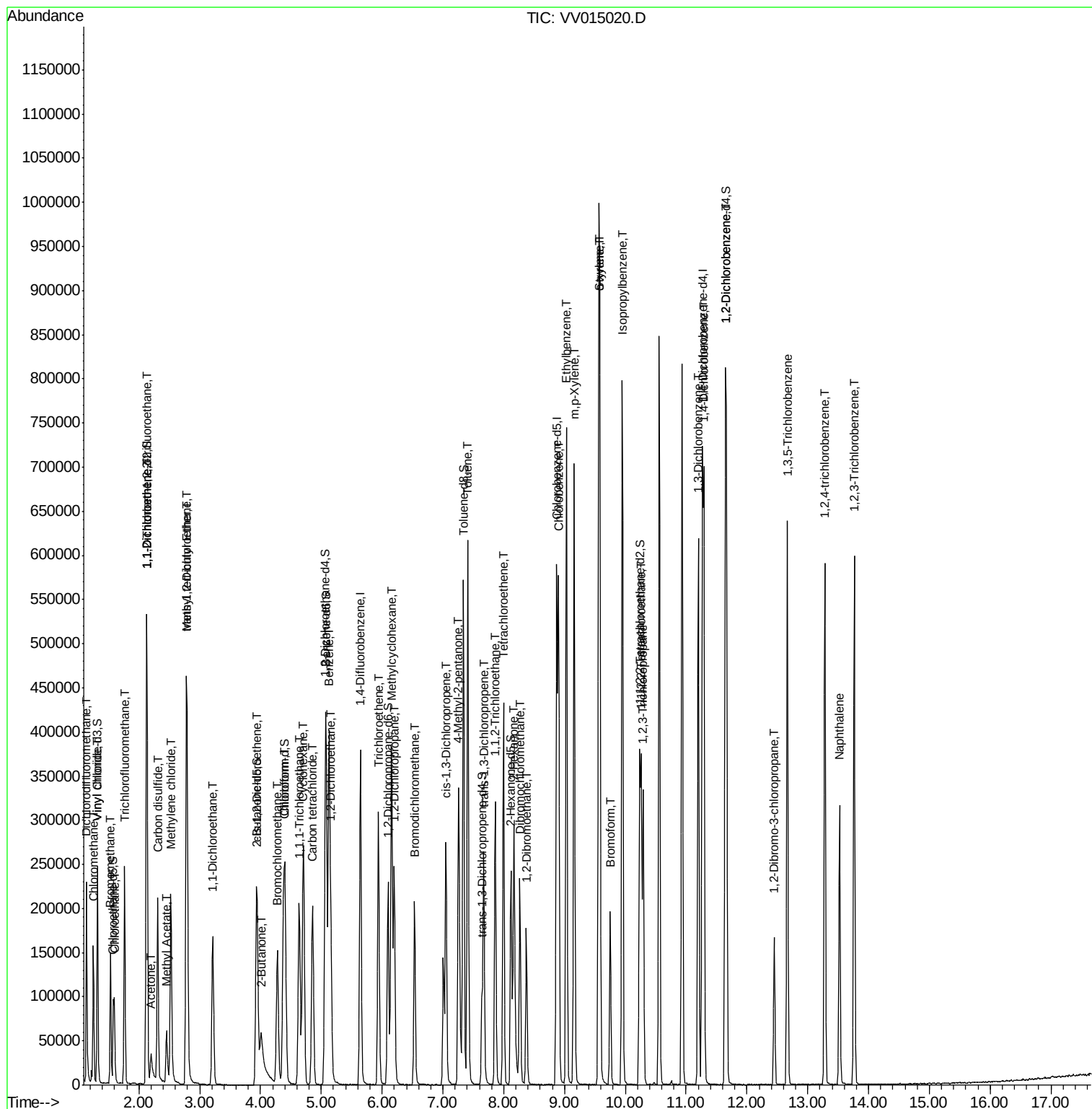
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	59841	46.706	ug/L	96
25) Chloroform	4.40	83	190297	46.978	ug/L	100
27) 1,2-Dichloroethane	5.16	62	141254	46.696	ug/L	98
29) Cyclohexane	4.71	56	150343	48.717	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	175105	47.223	ug/L	99
31) Carbon tetrachloride	4.86	117	156411	46.938	ug/L	97
33) Benzene	5.13	78	405310	48.170	ug/L	100
34) Trichloroethene	5.94	95	106885	46.891	ug/L	97
35) Methylcyclohexane	6.16	83	171462	47.404	ug/L	97
37) 1,2-Dichloropropane	6.20	63	94690	46.536	ug/L	99
38) Bromodichloromethane	6.53	83	140777	47.440	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	163403	47.958	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	262785	93.231	ug/L	99
42) Toluene	7.41	91	456642	48.007	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	151033	48.938	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	106128	47.844	ug/L	97
46) Tetrachloroethene	8.00	164	103001	47.590	ug/L	98
48) 2-Hexanone	8.17	43	207512	98.559	ug/L	99
49) Dibromochloromethane	8.27	129	123926	48.070	ug/L	99
50) 1,2-Dibromoethane	8.37	107	118043	47.681	ug/L	97
51) Chlorobenzene	8.90	112	312807	46.773	ug/L	99
52) Ethylbenzene	9.03	91	519985	48.125	ug/L	98
53) m,p-Xylene	9.16	106	205306	48.535	ug/L	95
54) o-xylene	9.56	106	203591	48.602	ug/L	97
55) Styrene	9.58	104	354842	50.437	ug/L	98
56) Isopropylbenzene	9.95	105	535936	49.122	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	169528	46.987	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	135760	47.471	ug/L	98
61) Bromoform	9.75	173	92727	50.615	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	272772	48.909	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	272521	46.943	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	273840	46.227	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	37708	45.548	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	213380	48.356	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	197880	48.695	ug/L	100
69) Naphthalene	13.52	128	261602	49.306	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	199767	50.038	ug/L	98

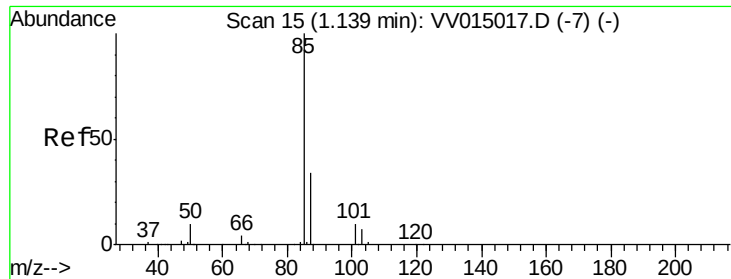
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.635 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

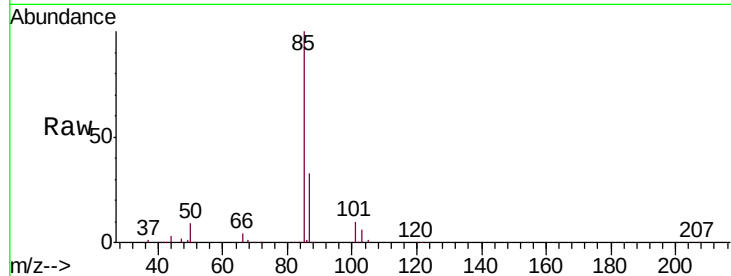
VICV63

Tgt Ion: 85 Resp: 140529

Ion Ratio Lower Upper

85 100

87 33.0 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV015017.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV015017.D (-7) (-)

1.14

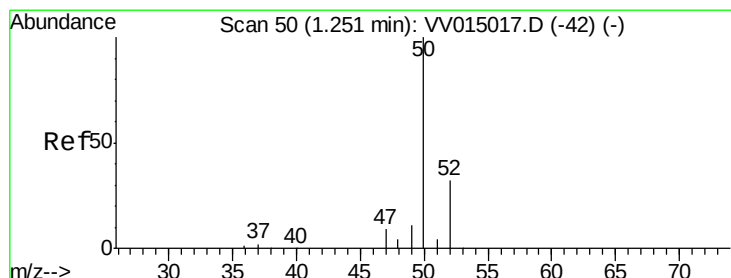
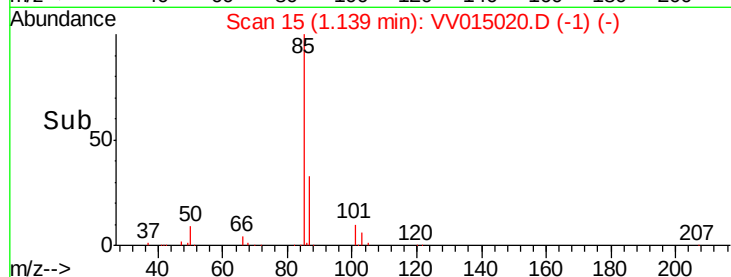
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.780 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015020.D

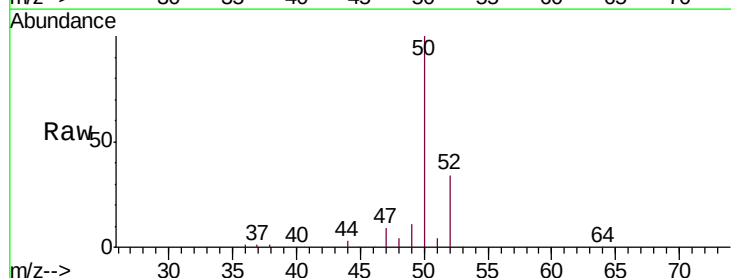
Acq: 18 Mar 2020 17:09

Tgt Ion: 50 Resp: 95822

Ion Ratio Lower Upper

50 100

52 34.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV015017.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV015017.D (-42) (-)

1.25

100000

80000

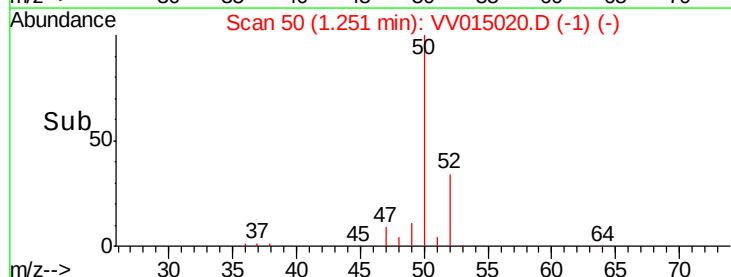
60000

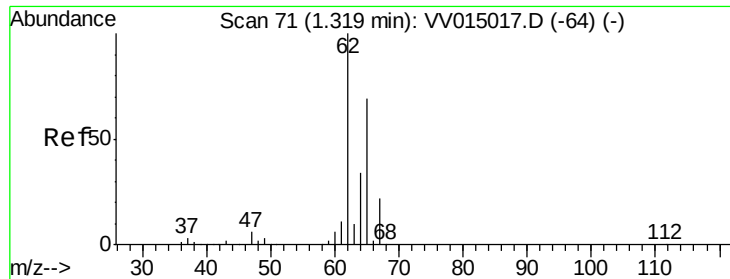
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 46.999 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

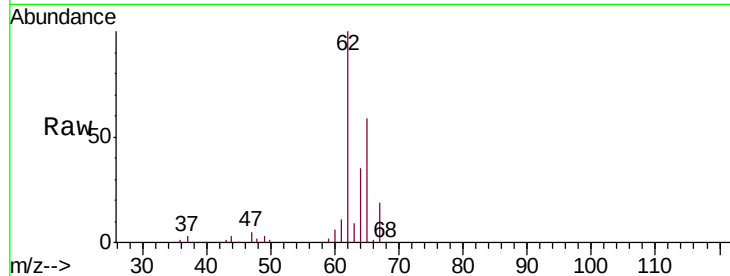
VICV63

Tgt Ion: 62 Resp: 91152

Ion Ratio Lower Upper

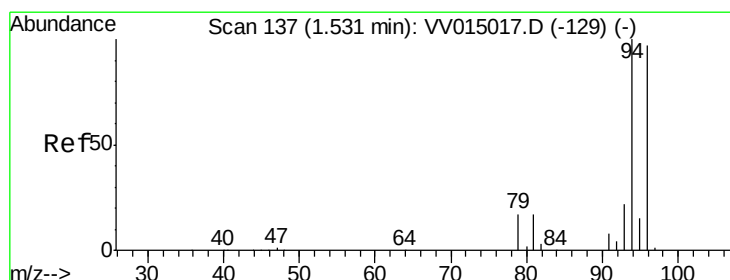
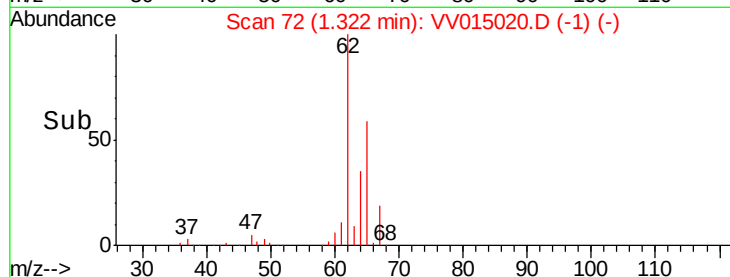
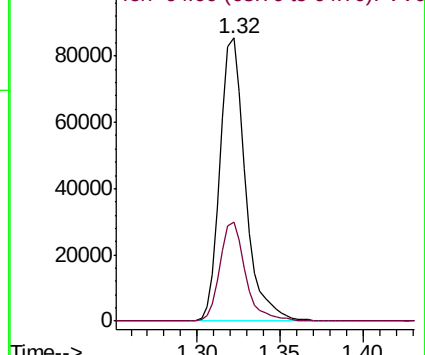
62 100

64 34.9 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: 48.156 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015020.D

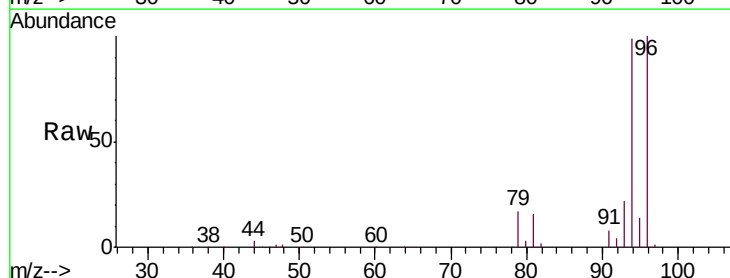
Acq: 18 Mar 2020 17:09

Tgt Ion: 94 Resp: 60605

Ion Ratio Lower Upper

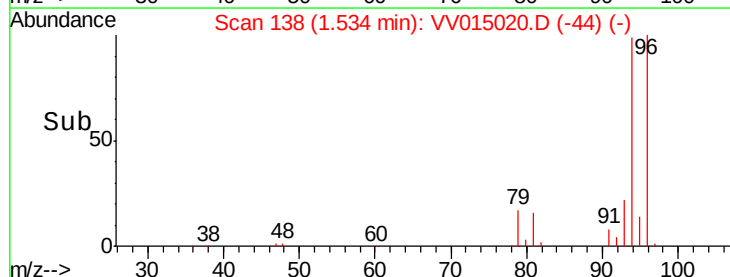
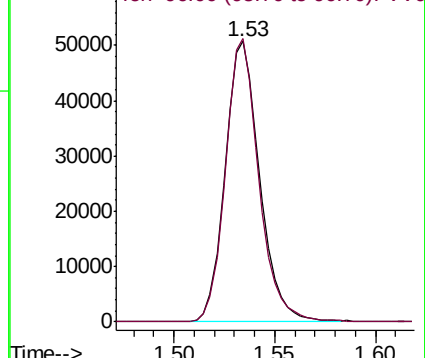
94 100

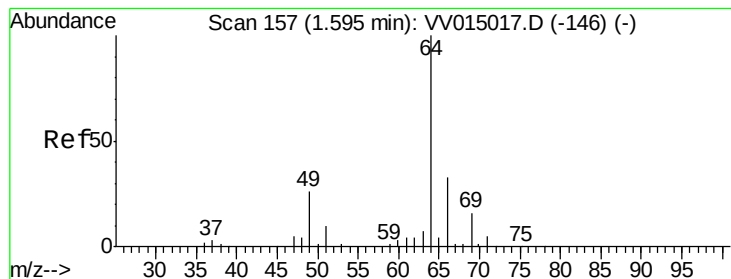
96 101.0 67.8 126.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.375 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

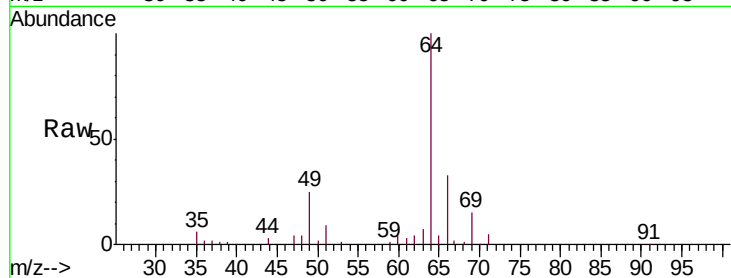
VICV63

Tgt Ion: 64 Resp: 49508

Ion Ratio Lower Upper

64 100

66 33.2 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV015017.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV015017.D (-146) (-)

1.60

40000

30000

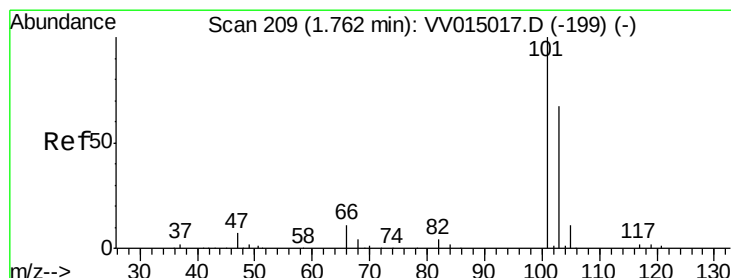
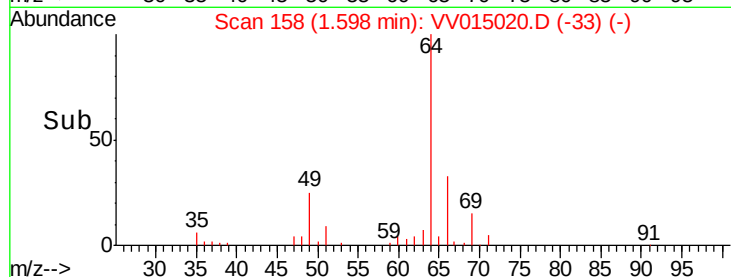
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 48.047 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015020.D

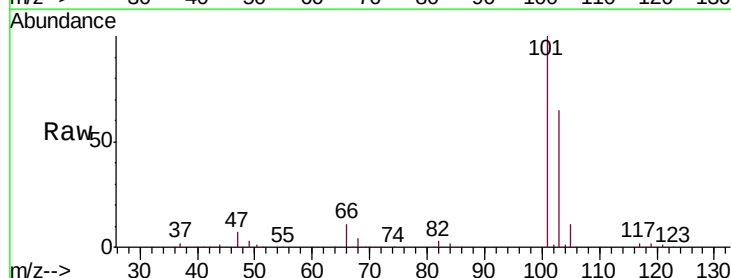
Acq: 18 Mar 2020 17:09

Tgt Ion: 101 Resp: 148254

Ion Ratio Lower Upper

101 100

103 65.0 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): VV015017.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV015017.D (-199) (-)

1.77

120000

100000

80000

60000

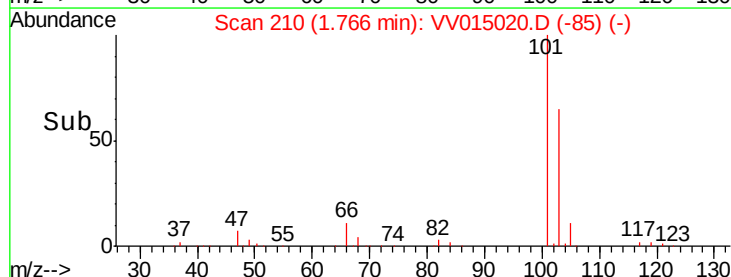
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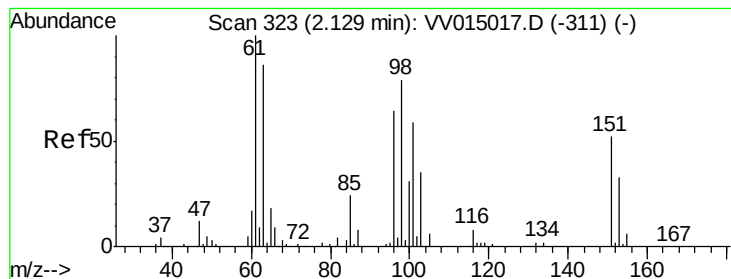
20000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 49.103 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampled :

VICV63

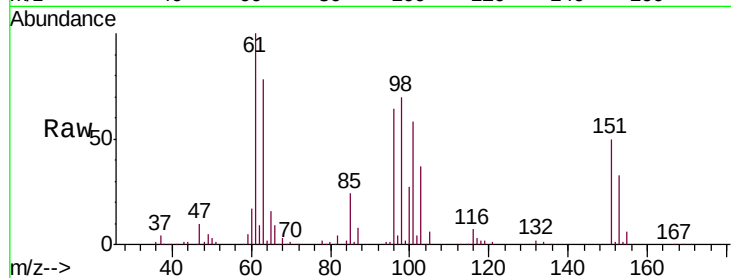
Tgt Ion: 101 Resp: 72872

Ion Ratio Lower Upper

101 100

85 41.3 33.2 49.8

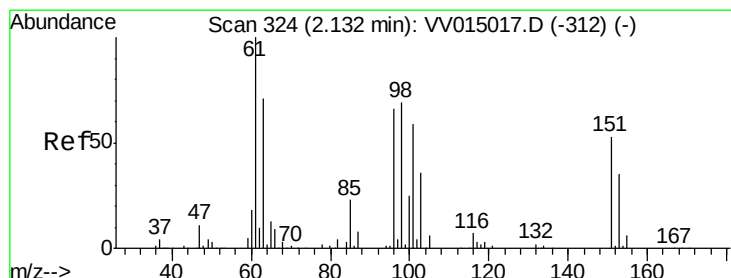
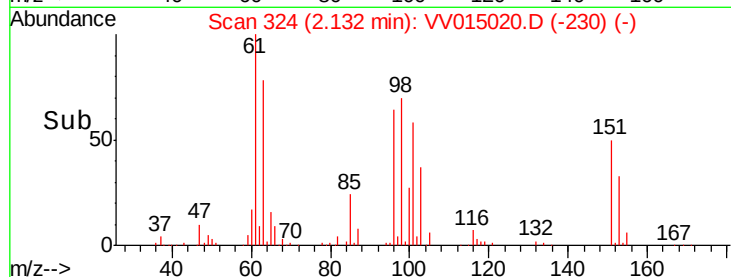
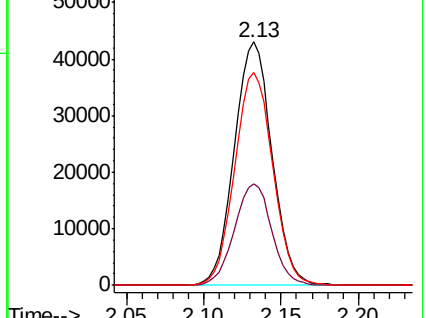
151 88.4 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): VV015017.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV015017.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV015017.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 48.876 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

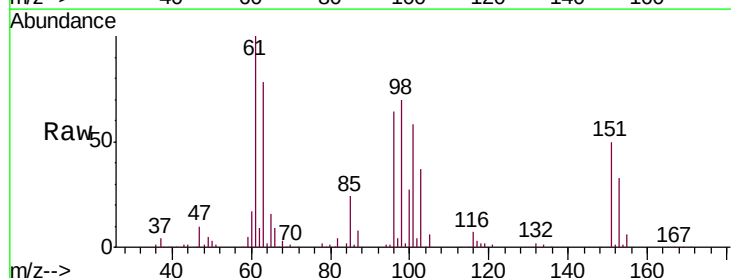
Tgt Ion: 96 Resp: 68640

Ion Ratio Lower Upper

96 100

61 156.7 105.6 196.2

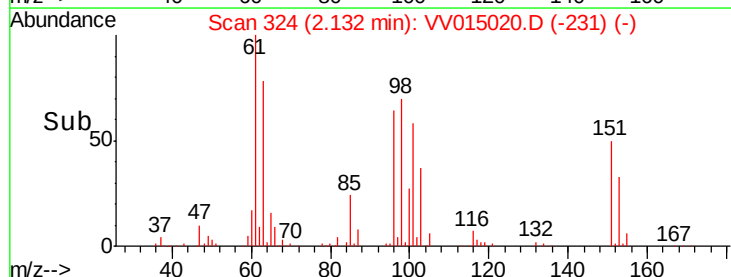
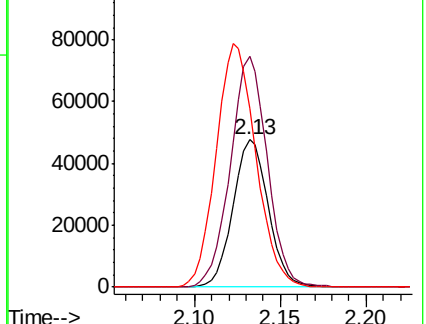
63 121.5 75.9 140.9

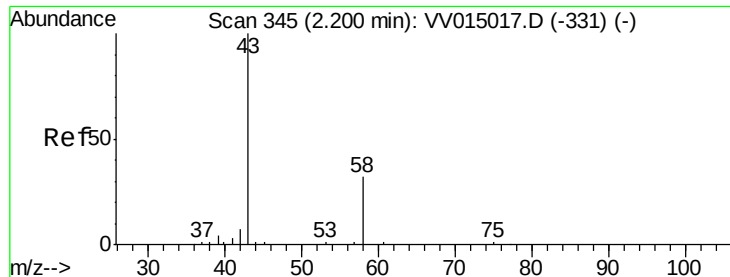


Abundance Ion 96.00 (95.70 to 96.70): VV015020.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV015020.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015020.D (-230) (-)





#13

Acetone

Concen: 71.238 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

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Acq: 18 Mar 2020 17:09

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MSVOA_V

ClientSampleId :

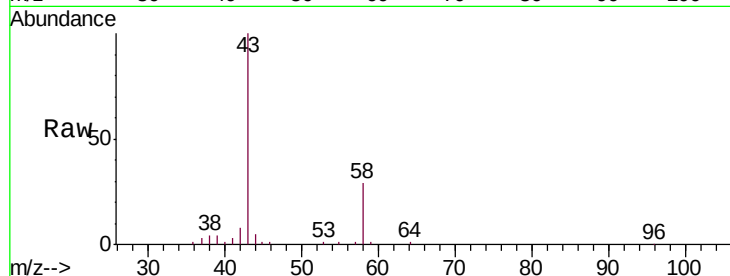
VICV63

Tgt Ion: 43 Resp: 64765

Ion Ratio Lower Upper

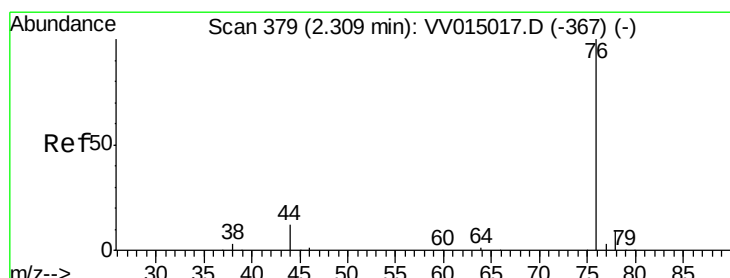
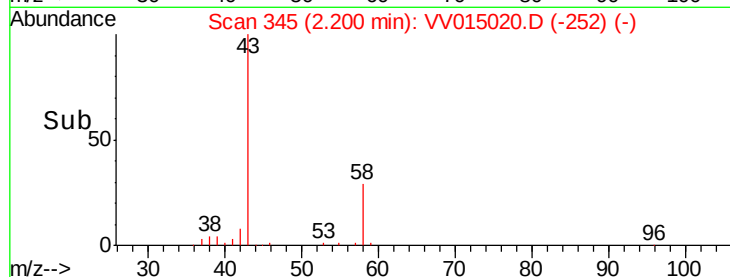
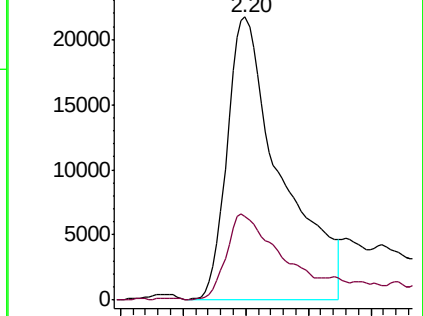
43 100

58 29.8 0.0 43.2



Abundance Ion 43.00 (42.70 to 43.70): VV015017.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV015017.D (-331) (-)



#14

Carbon disulfide

Concen: 47.730 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015020.D

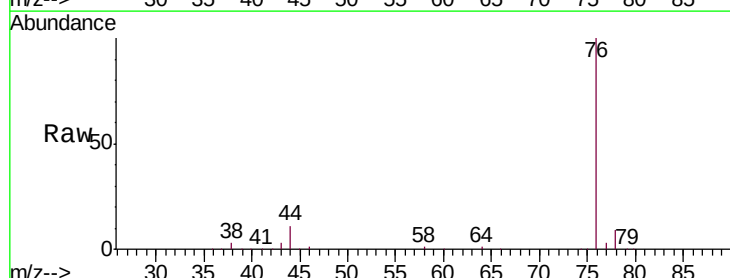
Acq: 18 Mar 2020 17:09

Tgt Ion: 76 Resp: 237526

Ion Ratio Lower Upper

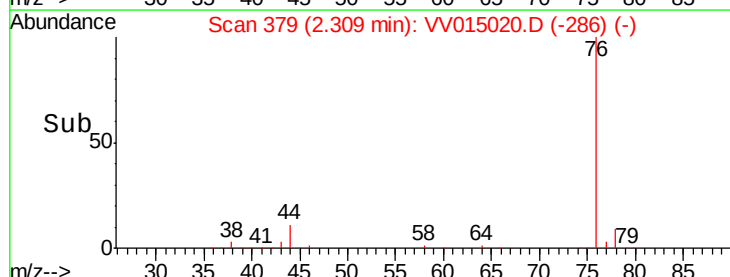
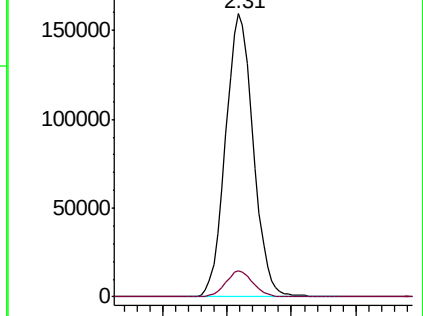
76 100

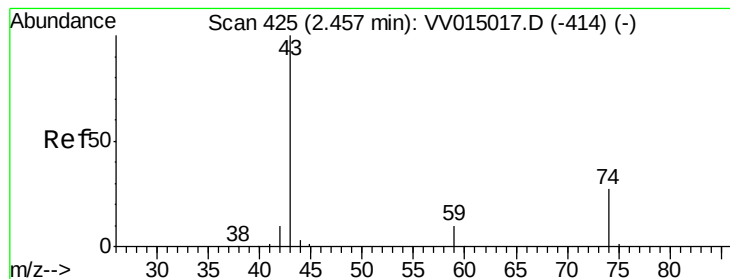
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV015017.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV015017.D (-367) (-)





#15

Methyl Acetate

Concen: 47.311 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

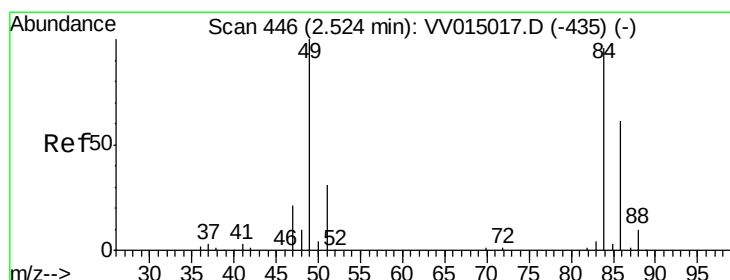
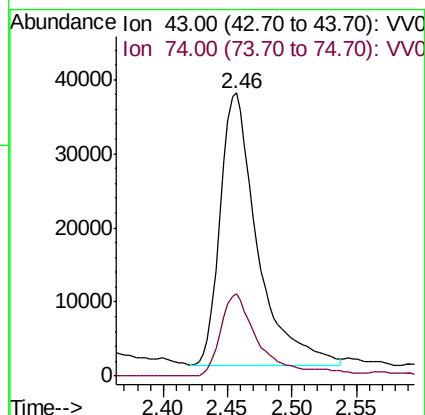
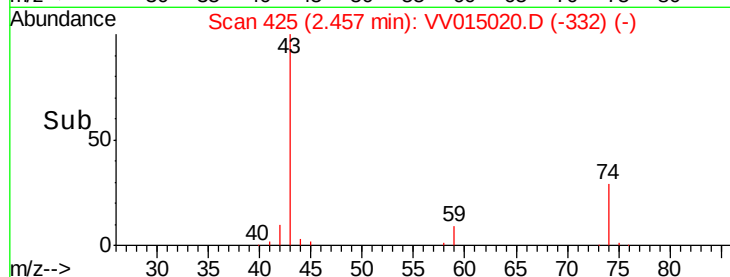
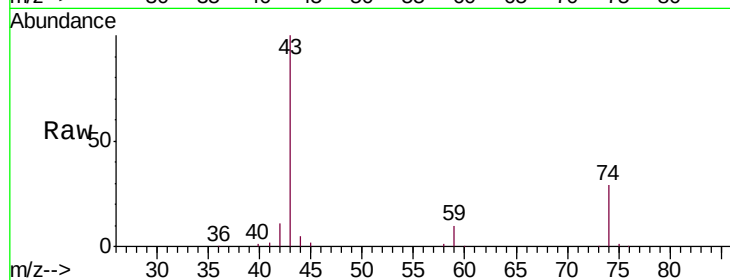
VICV63

Tgt Ion: 43 Resp: 73585

Ion Ratio Lower Upper

43 100

74 29.7 22.2 33.4



#16

Methylene chloride

Concen: 47.283 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

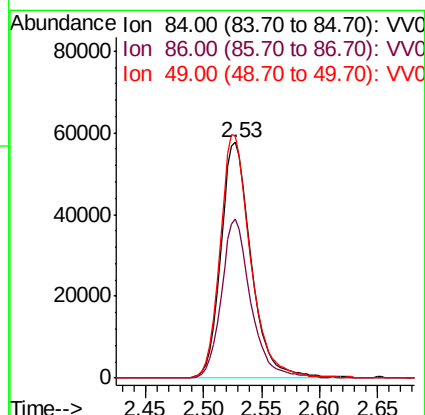
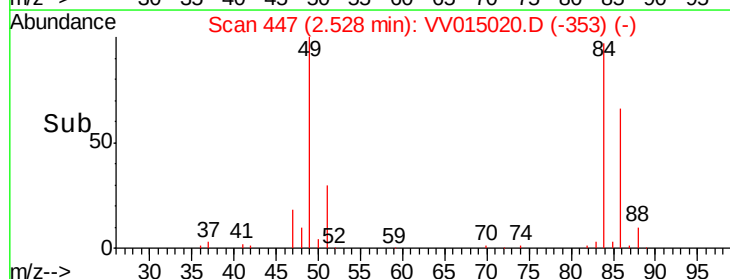
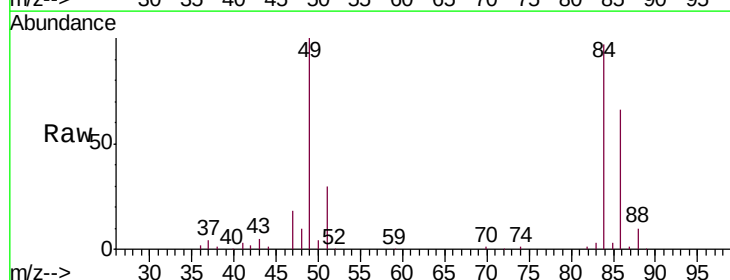
Tgt Ion: 84 Resp: 105225

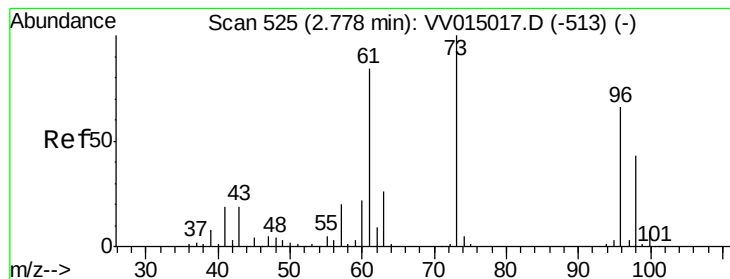
Ion Ratio Lower Upper

84 100

86 67.5 44.5 82.7

49 103.0 72.9 135.5





#17

trans-1,2-Dichloroethene

Concen: 46.146 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

VICV63

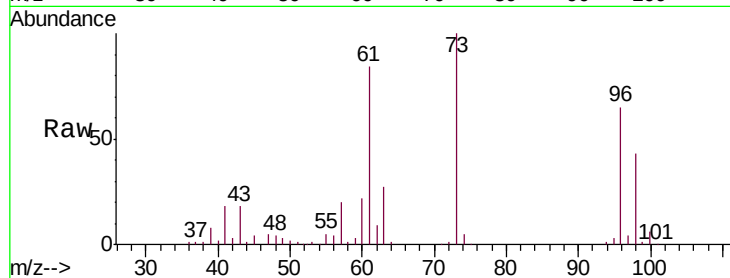
Tgt Ion: 96 Resp: 97273

Ion Ratio Lower Upper

96 100

61 128.6 89.0 165.4

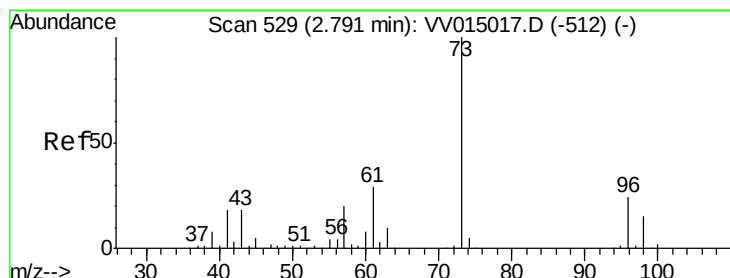
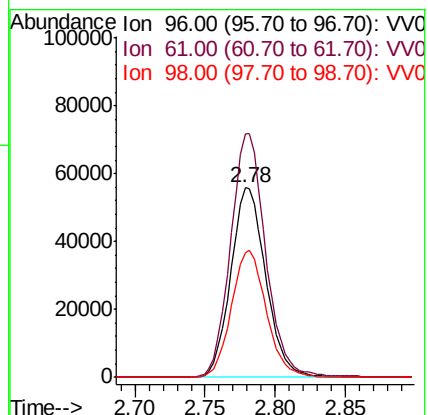
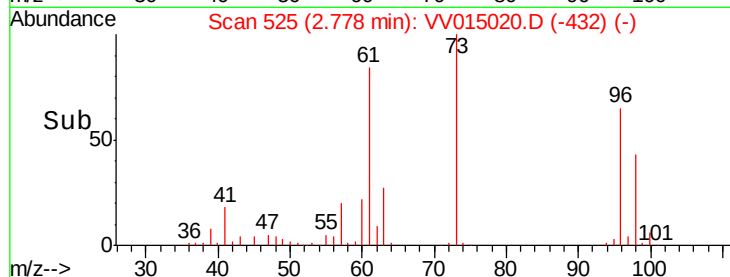
98 65.8 44.8 83.2



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: 47.889 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

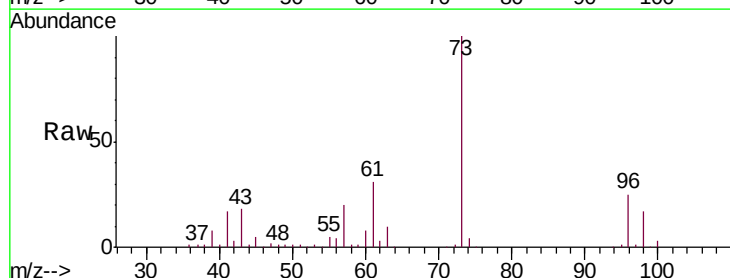
Tgt Ion: 73 Resp: 310765

Ion Ratio Lower Upper

73 100

43 17.0 14.4 21.6

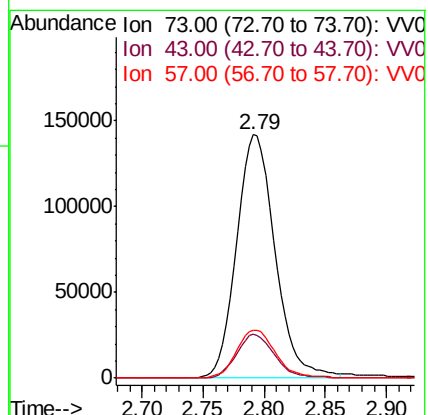
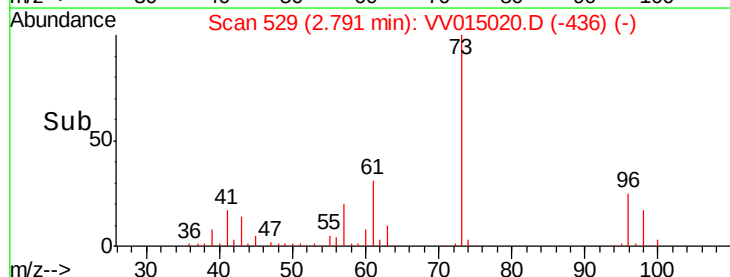
57 20.1 16.0 24.0

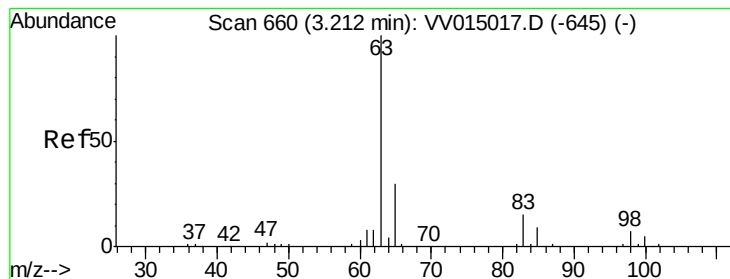


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.895 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampled :

VICV63

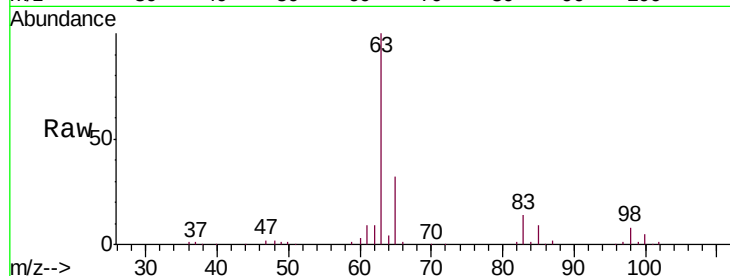
Tgt Ion: 63 Resp: 169854

Ion Ratio Lower Upper

63 100

65 31.7 21.0 39.0

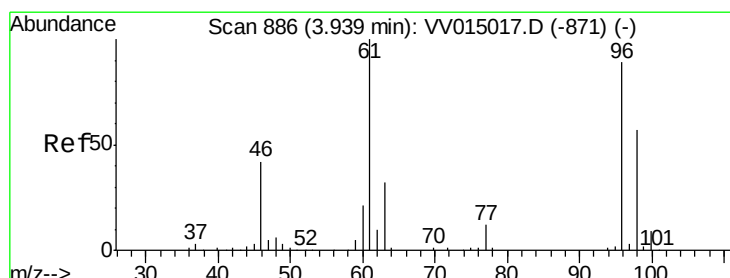
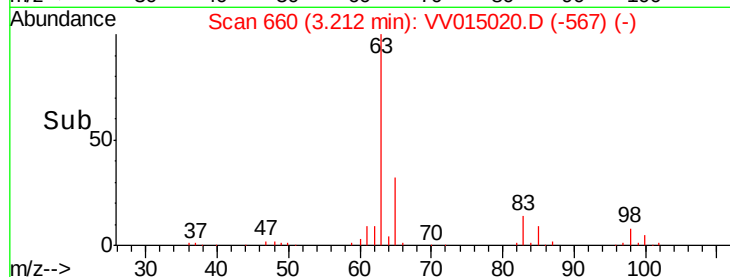
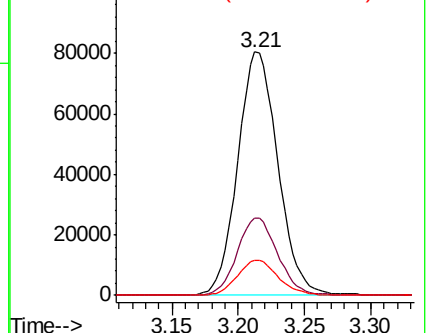
83 14.5 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.979 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

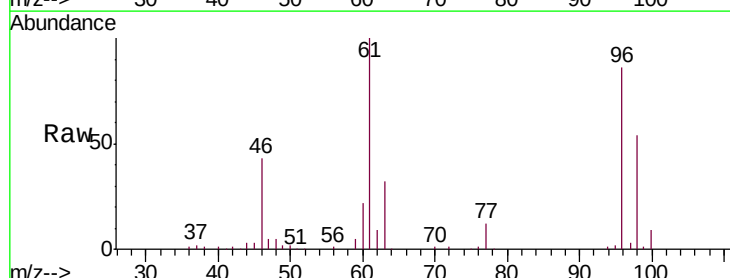
Tgt Ion: 96 Resp: 113026

Ion Ratio Lower Upper

96 100

61 116.5 78.3 145.3

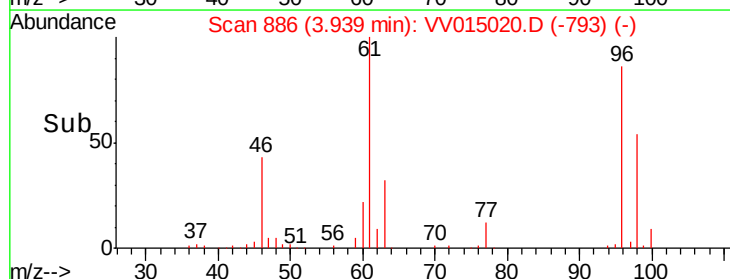
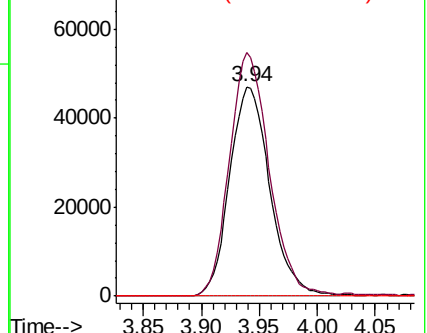
68 0.0 0.0 0.0

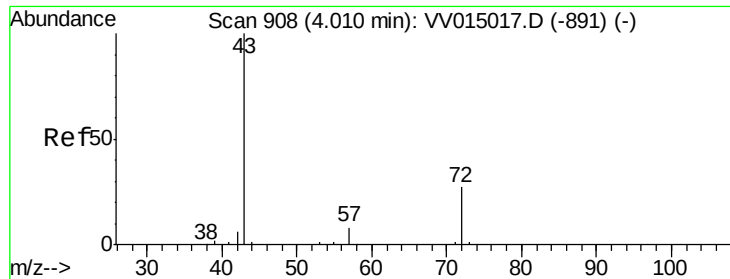


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 94.922 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

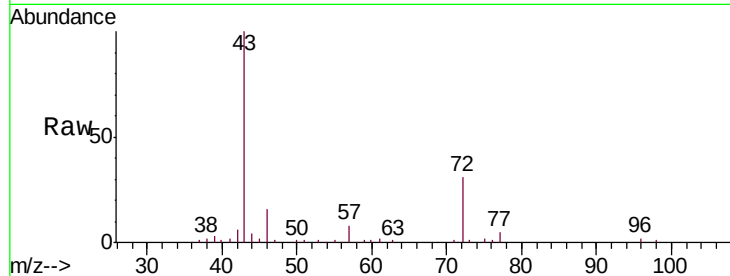
VICV63

Tgt Ion: 43 Resp: 116847

Ion Ratio Lower Upper

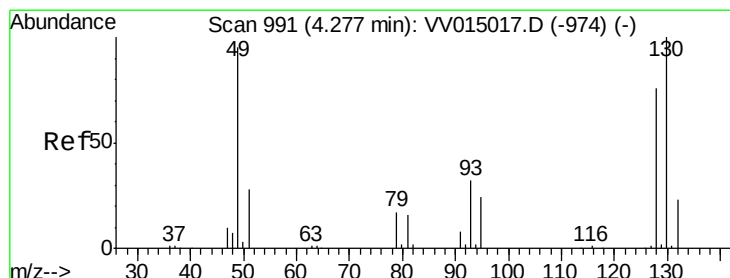
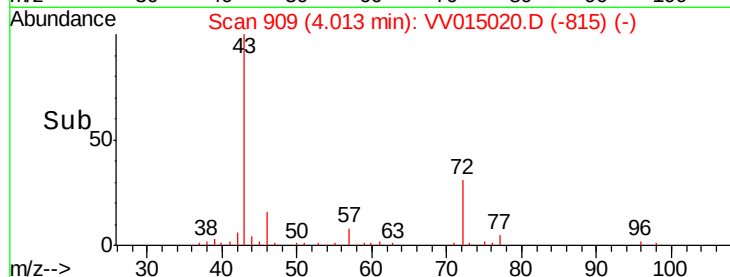
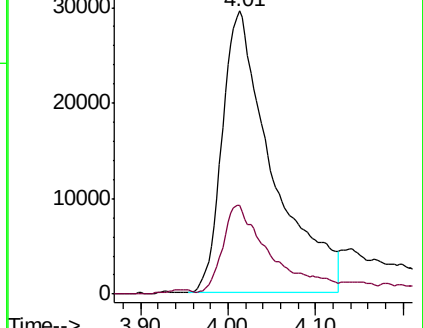
43 100

72 25.7 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV015017.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV015017.D (-891) (-)



#23

Bromochloromethane

Concen: 46.706 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Tgt Ion: 128 Resp: 59841

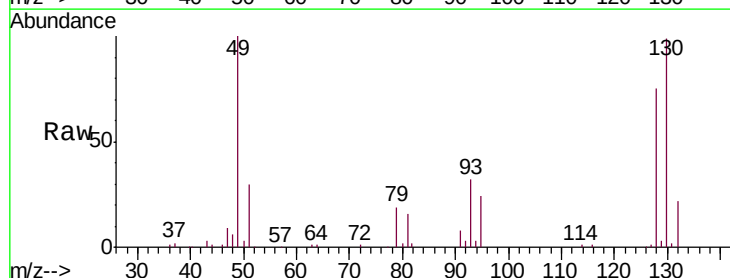
Ion Ratio Lower Upper

128 100

49 133.7 87.9 163.3

130 132.8 92.5 171.9

51 39.9 29.7 44.5

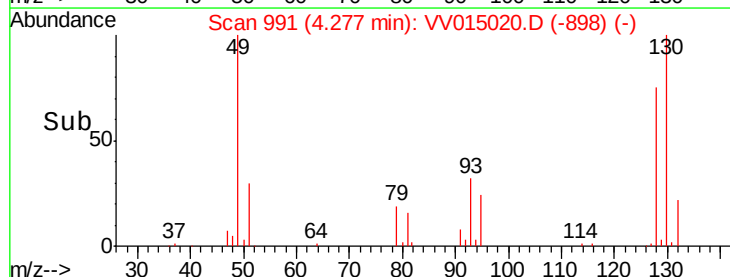
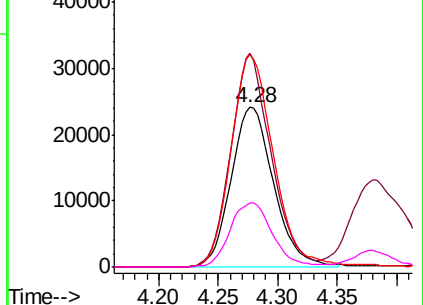


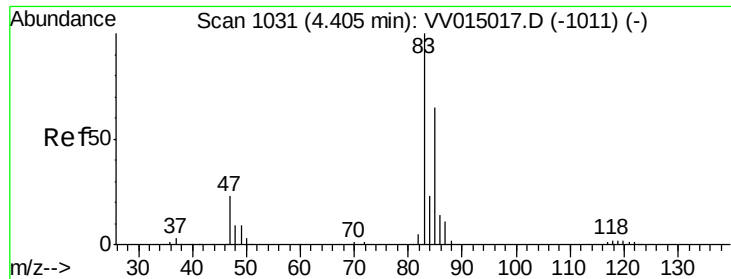
Abundance Ion 128.00 (127.70 to 128.70): VV015017.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV015017.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV015017.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV015017.D (-974) (-)

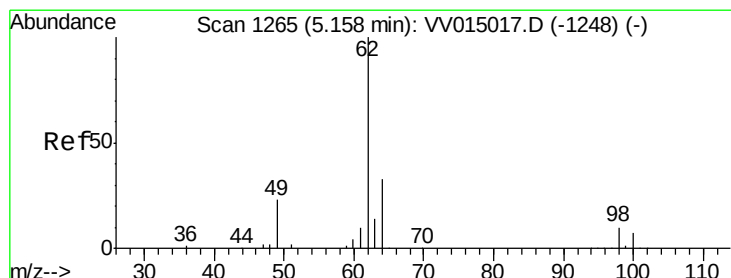
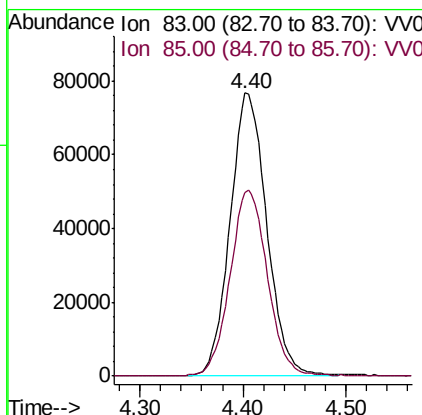
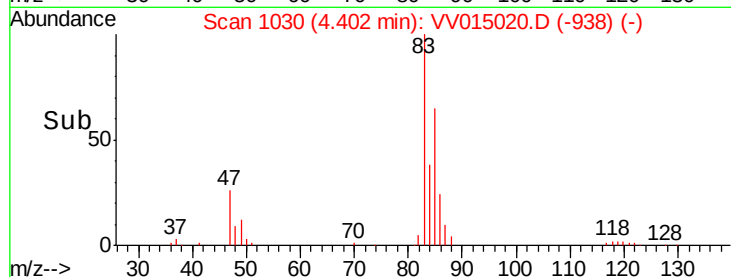
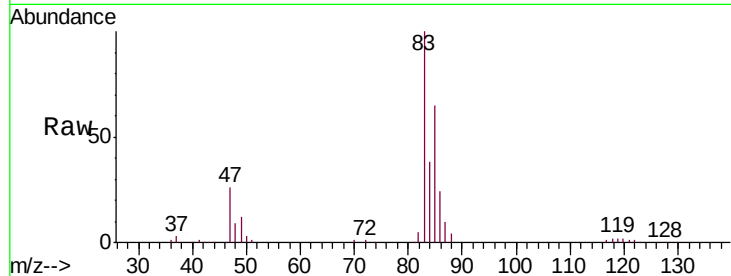




#25
Chloroform
Concen: 46.978 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

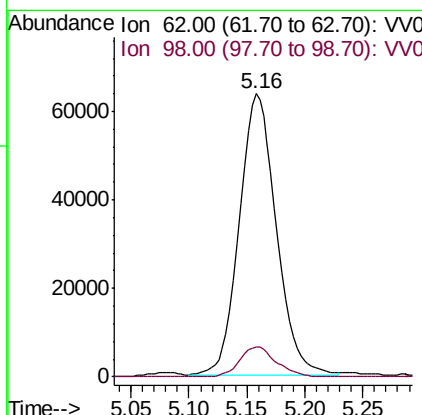
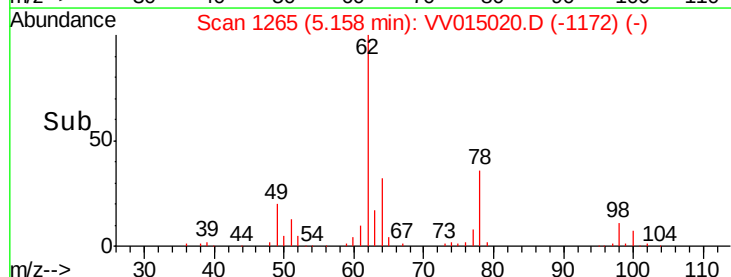
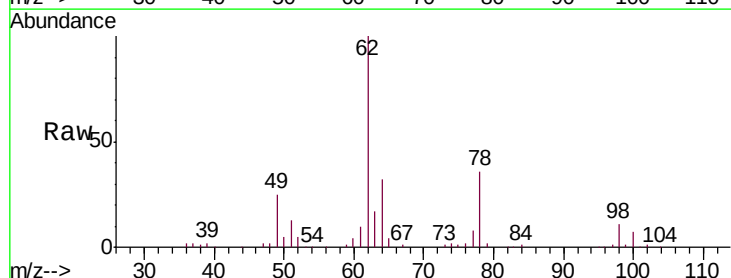
Instrument :
MSVOA_V
ClientSampled :
VICV63

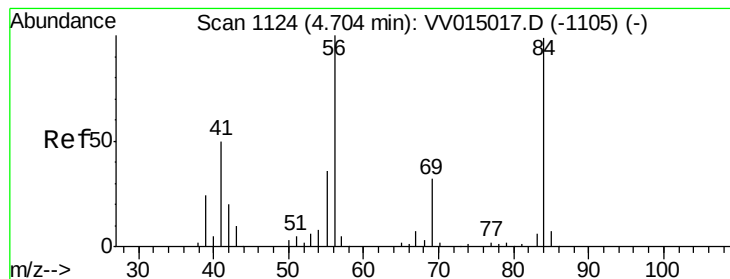
Tgt Ion: 83 Resp: 190297
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 46.696 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

Tgt Ion: 62 Resp: 141254
Ion Ratio Lower Upper
62 100
98 10.5 7.8 11.8





#29

Cyclohexane

Concen: 48.717 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

VICV63

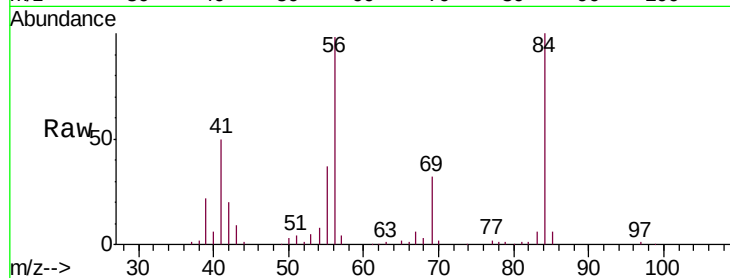
Tgt Ion: 56 Resp: 150343

Ion Ratio Lower Upper

56 100

69 32.8 25.8 38.6

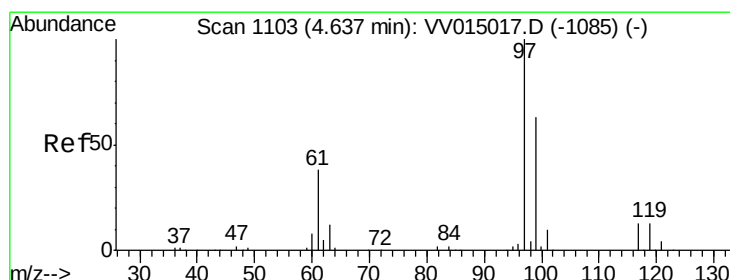
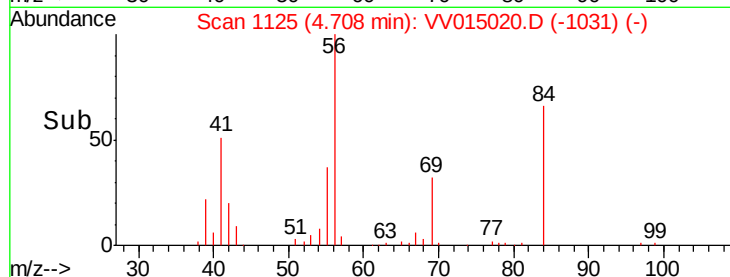
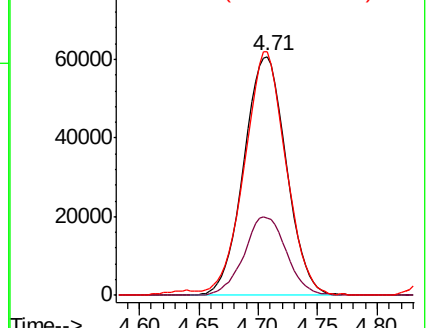
84 99.2 80.0 120.0



Abundance Ion 56.00 (55.70 to 56.70): VV015017.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV015017.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV015017.D (-1105) (-)



#30

1,1,1-Trichloroethane

Concen: 47.223 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

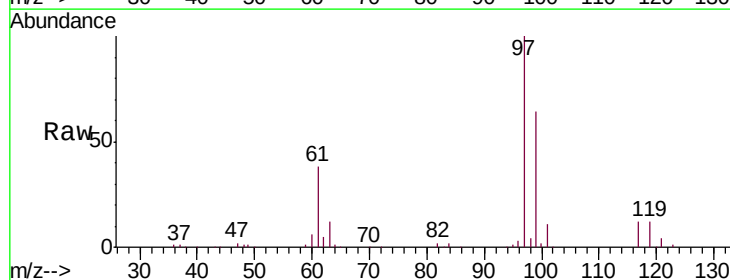
Tgt Ion: 97 Resp: 175105

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

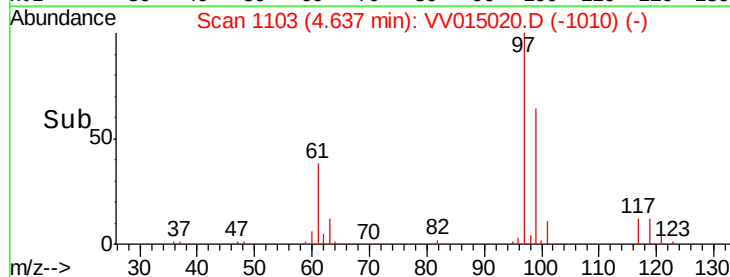
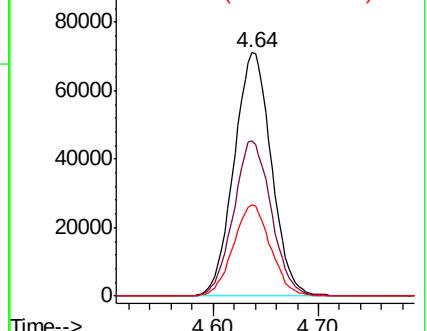
61 37.4 30.5 45.7

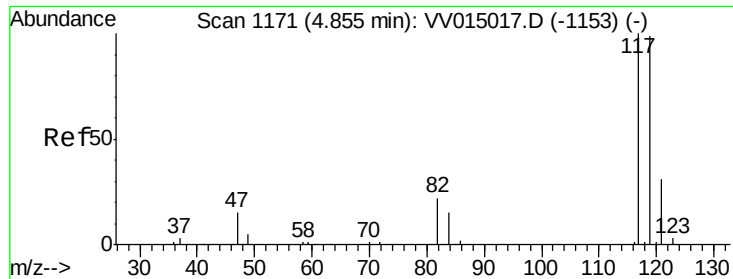


Abundance Ion 97.00 (96.70 to 97.70): VV015017.D (-1085) (-)

Ion 99.00 (98.70 to 99.70): VV015017.D (-1085) (-)

Ion 61.05 (60.75 to 61.75): VV015017.D (-1085) (-)





#31

Carbon tetrachloride

Concen: 46.938 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

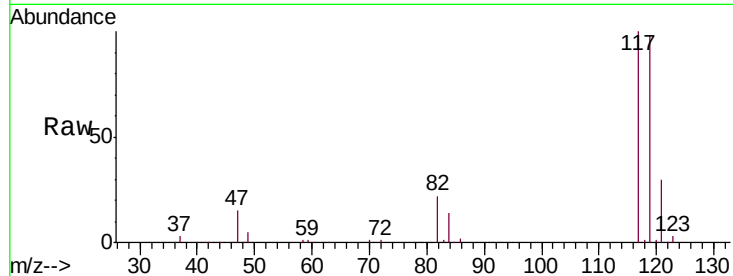
VICV63

Tgt Ion:117 Resp: 156411

Ion Ratio Lower Upper

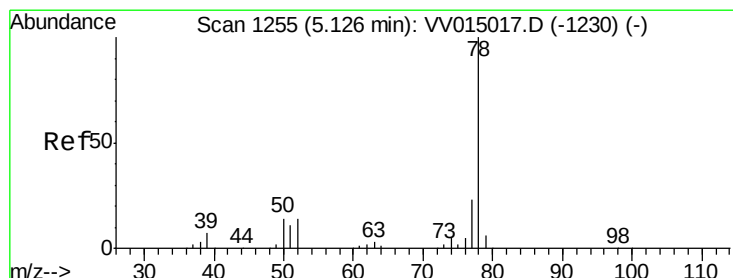
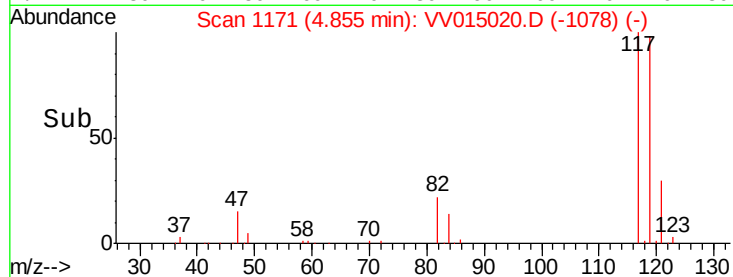
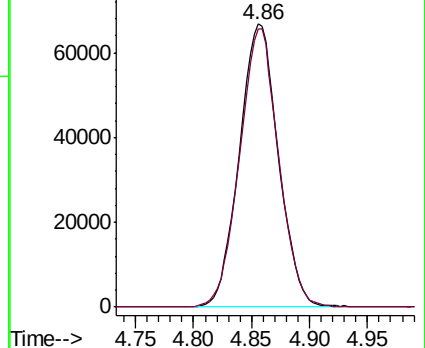
117 100

119 98.3 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: 48.170 ug/L

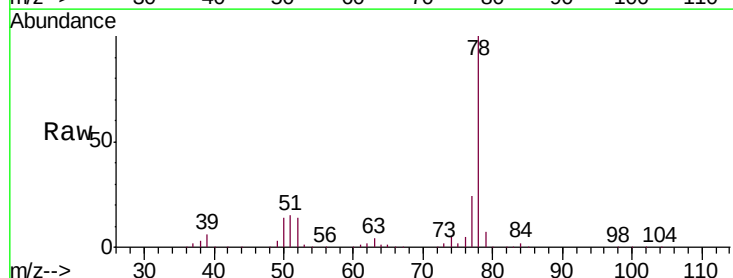
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

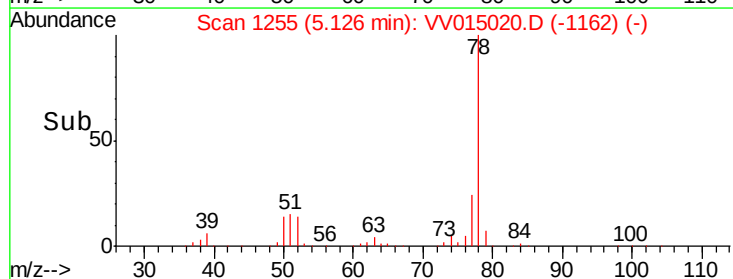
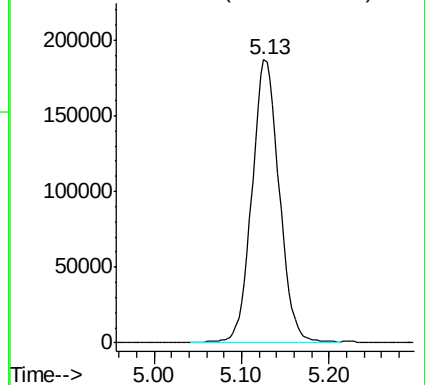
Lab File: VV015020.D

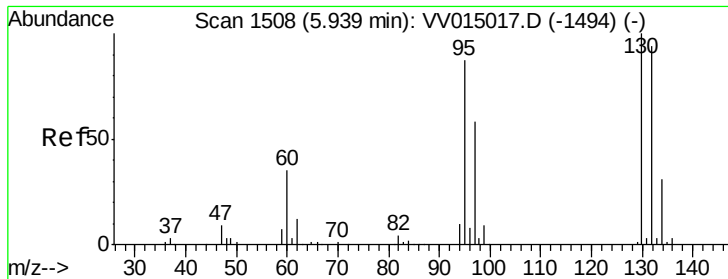
Acq: 18 Mar 2020 17:09

Tgt Ion: 78 Resp: 405310



Abundance Ion 78.00 (77.70 to 78.70): VV0

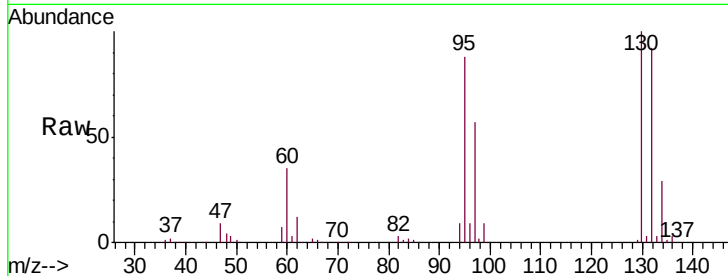




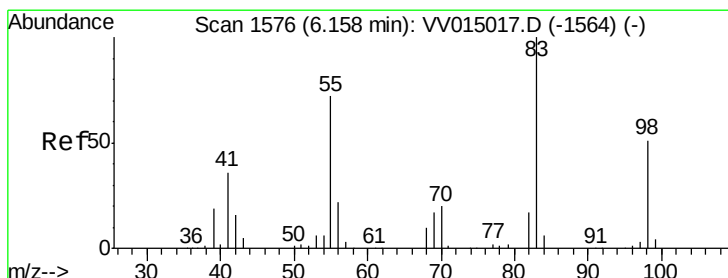
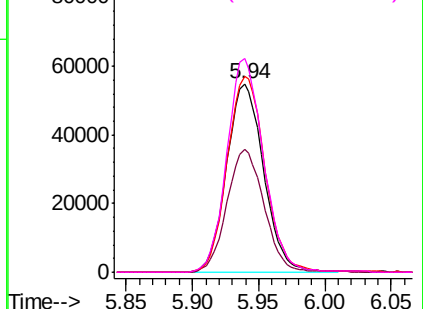
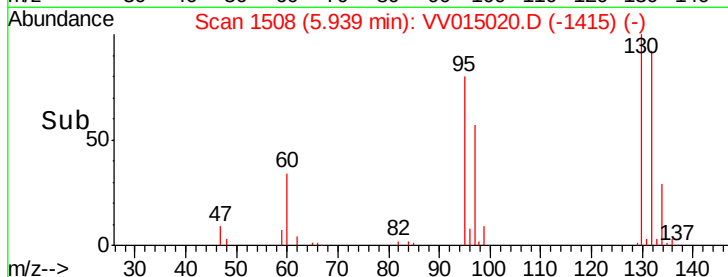
#34
 Trichloroethene
 Concen: 46.891 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Tgt Ion:	95	Resp:	106885
Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.8	87.0
132	104.3	76.2	141.4
130	113.4	80.8	150.2

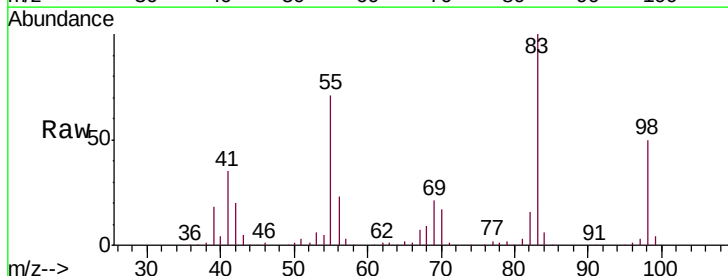


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

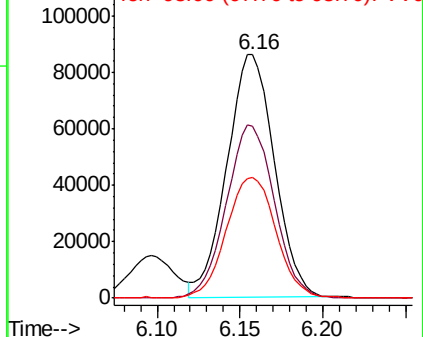
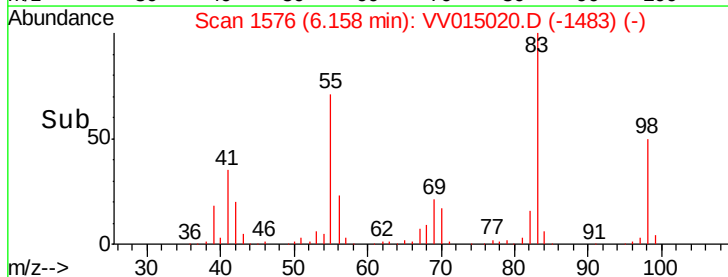


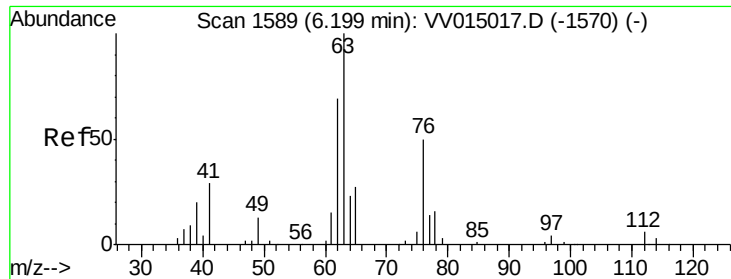
#35
 Methylcyclohexane
 Concen: 47.404 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Tgt Ion:	83	Resp:	171462
Ion	Ratio	Lower	Upper
83	100		
55	72.1	55.4	83.0
98	52.3	40.6	61.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

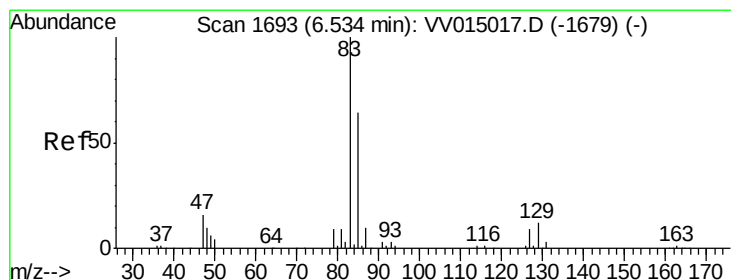
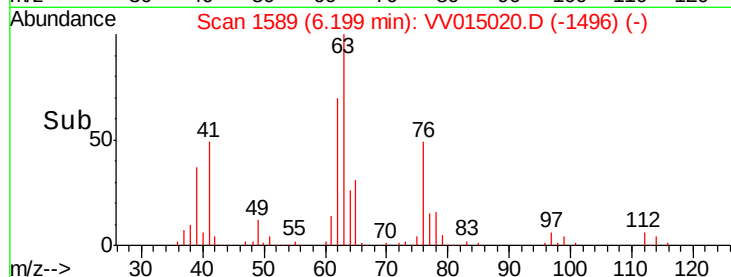
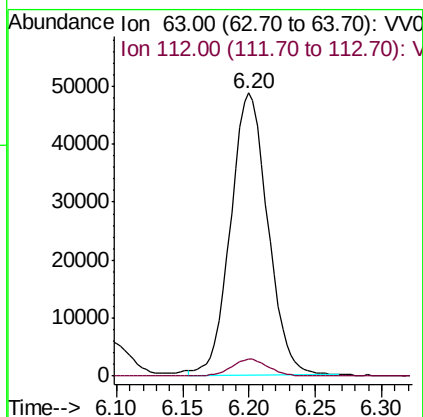
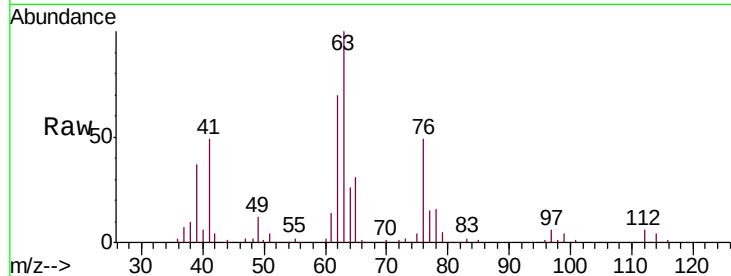




#37
 1,2-Dichloropropane
 Concen: 46.536 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

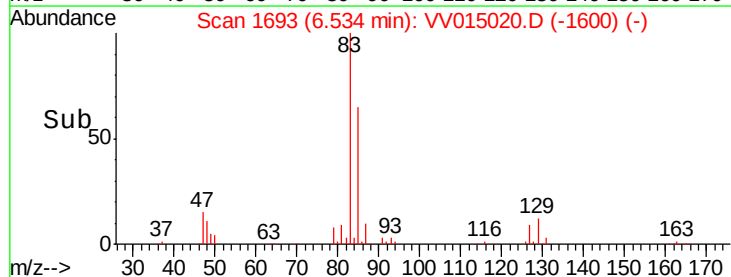
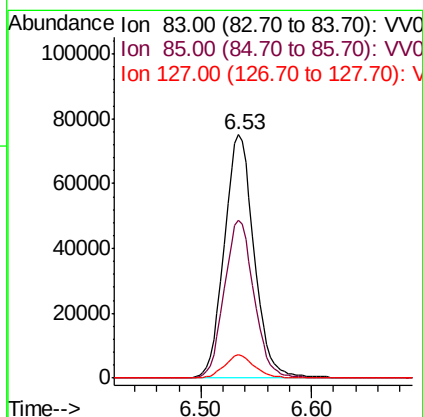
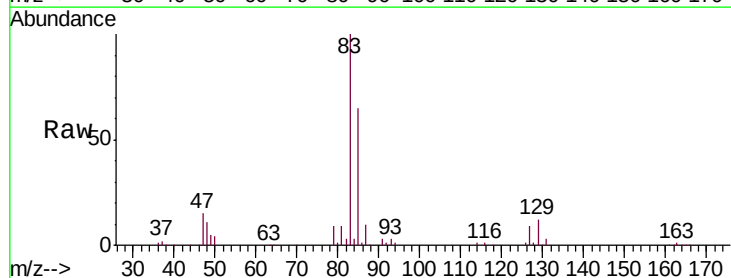
Instrument :
 MSVOA_V
 ClientSampled :
 VICV63

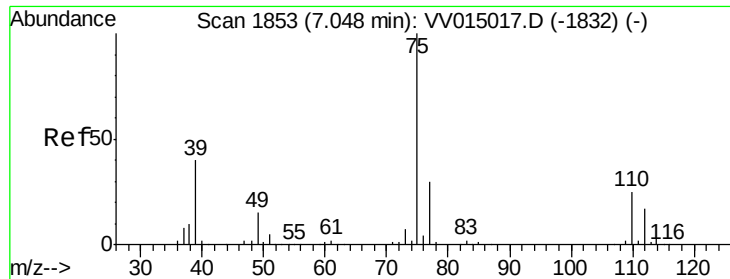
Tgt Ion: 63 Resp: 94690
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.4 6.6



#38
 Bromodichloromethane
 Concen: 47.440 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Tgt Ion: 83 Resp: 140777
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.6 82.8
 127 9.4 7.4 11.2

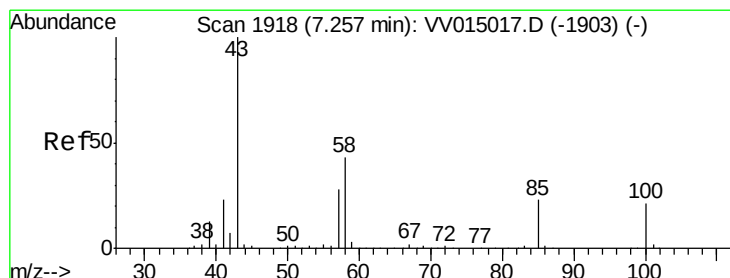
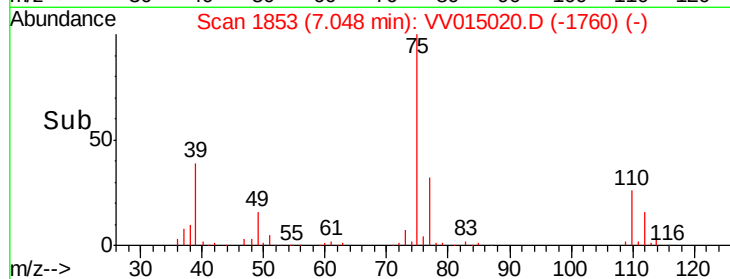
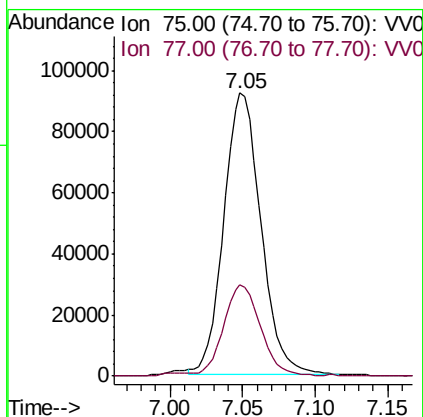
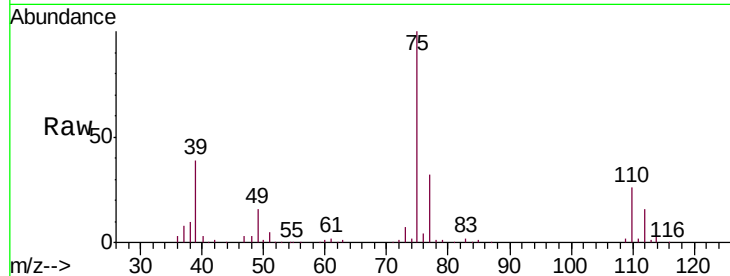




#39
 cis-1,3-Dichloropropene
 Concen: 47.958 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

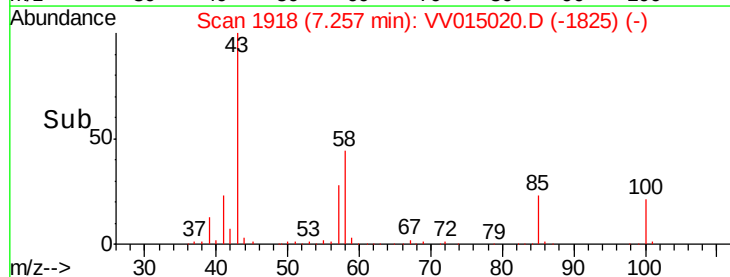
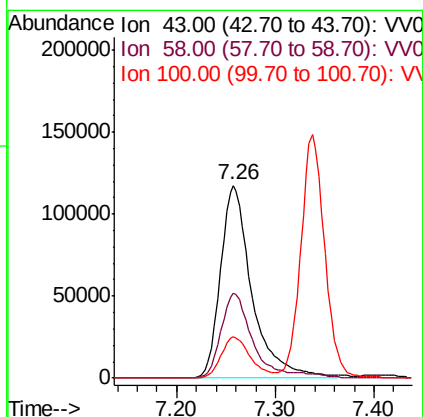
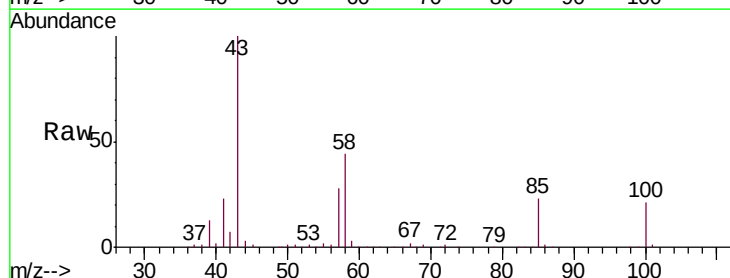
Instrument :
 MSVOA_V
 ClientSampled :
 VICV63

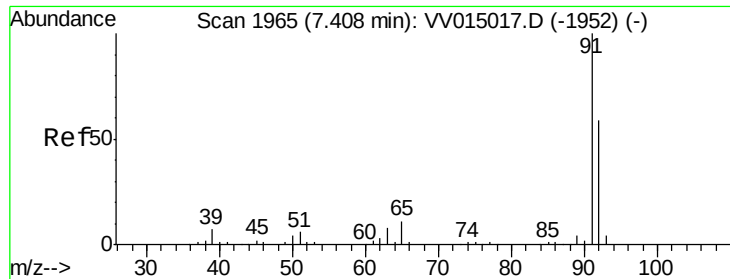
Tgt Ion: 75 Resp: 163403
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 93.231 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Tgt Ion: 43 Resp: 262785
 Ion Ratio Lower Upper
 43 100
 58 42.6 34.5 51.7
 100 20.2 15.7 23.5





#42

Toluene

Concen: 48.007 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampled :

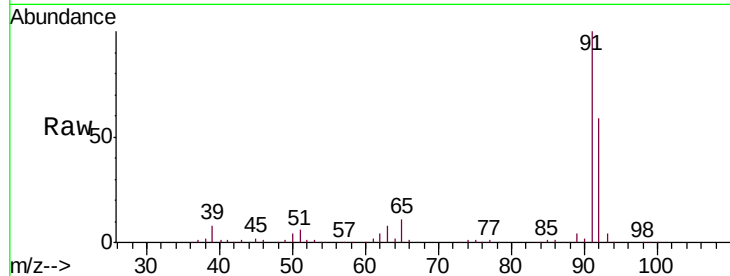
VICV63

Tgt Ion: 91 Resp: 456642

Ion Ratio Lower Upper

91 100

92 59.3 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV015017.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV015017.D (-1952) (-)

7.41

250000

200000

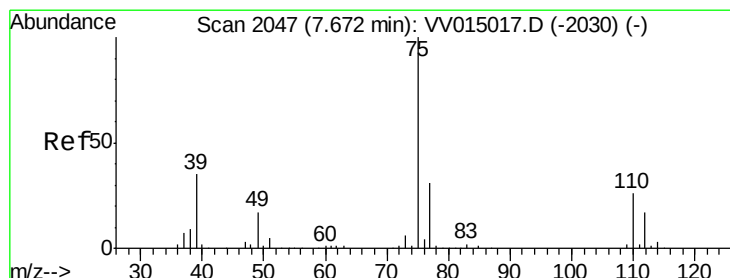
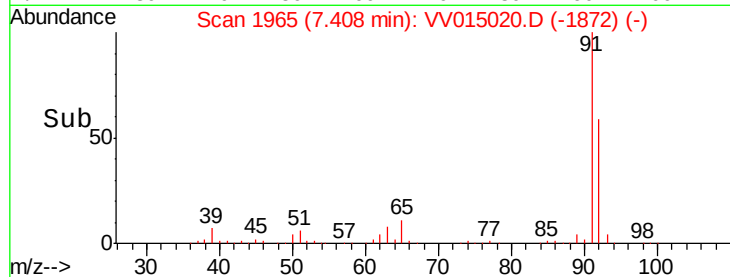
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.938 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015020.D

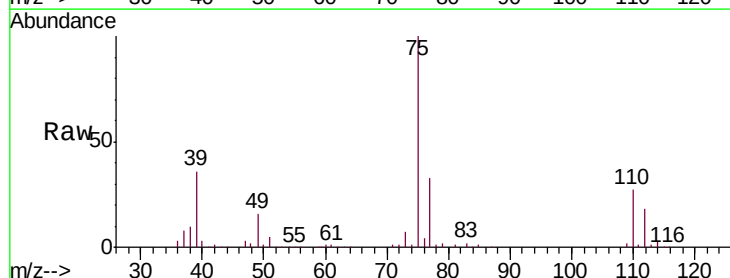
Acq: 18 Mar 2020 17:09

Tgt Ion: 75 Resp: 151033

Ion Ratio Lower Upper

75 100

77 32.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV015017.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV015017.D (-2030) (-)

7.67

100000

80000

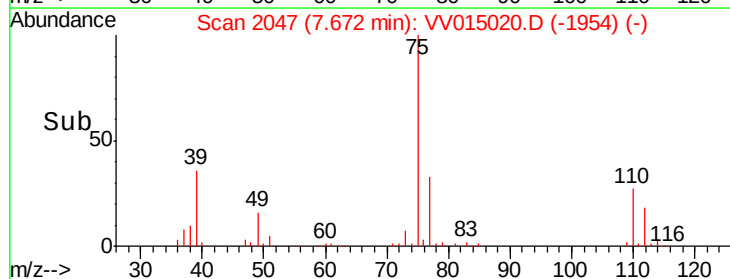
60000

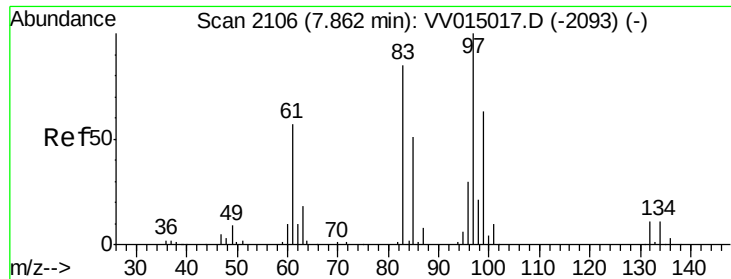
40000

20000

0

Time-->

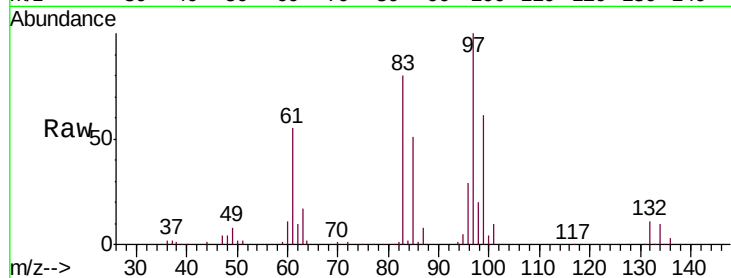




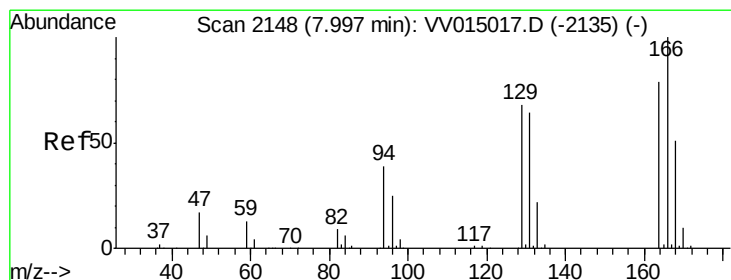
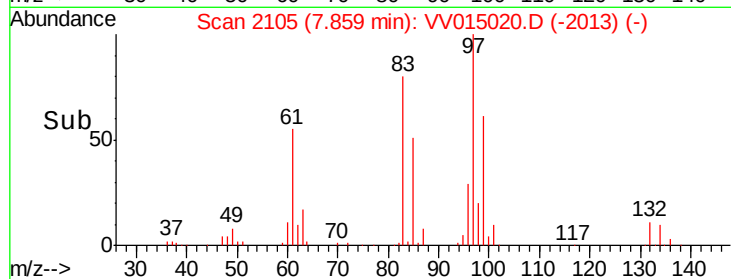
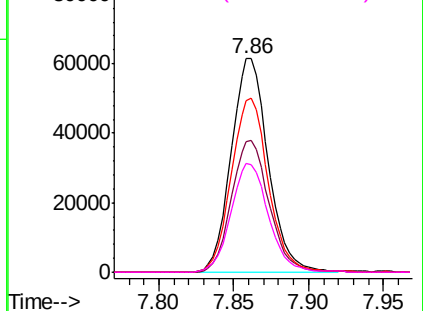
#45
 1,1,2-Trichloroethane
 Concen: 47.844 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Tgt Ion:	97	Resp:	106128
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.3	82.3
83	80.2	59.5	110.5
85	50.9	35.7	66.3

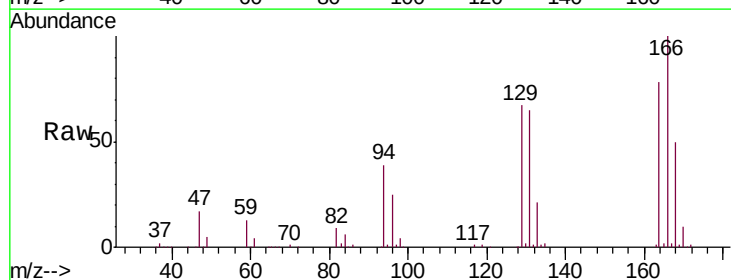


Abundance Ion 97.00 (96.70 to 97.70): VV015017.D (-2093) (-)
 Ion 99.00 (98.70 to 99.70): VV015017.D (-2093) (-)
 Ion 83.00 (82.70 to 83.70): VV015017.D (-2093) (-)
 Ion 85.00 (84.70 to 85.70): VV015017.D (-2093) (-)

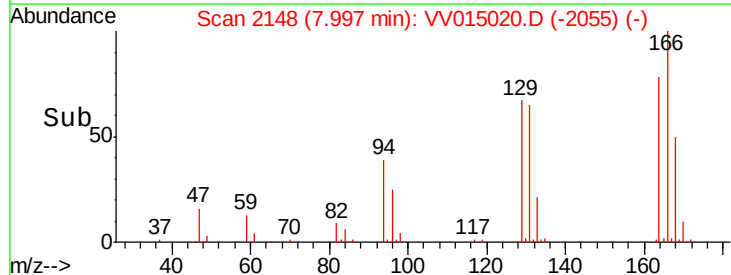
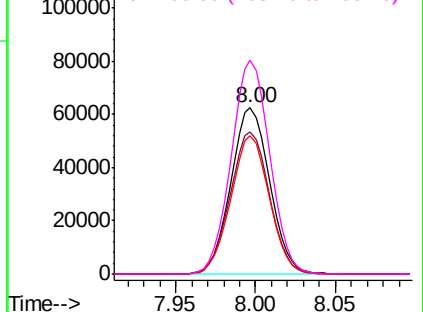


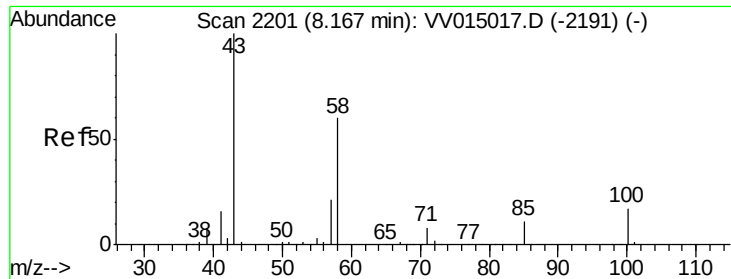
#46
 Tetrachloroethene
 Concen: 47.590 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Tgt Ion:	164	Resp:	103001
Ion	Ratio	Lower	Upper
164	100		
129	85.6	60.4	112.2
131	83.4	57.0	105.8
166	128.4	88.5	164.3



Abundance Ion 164.00 (163.70 to 164.70): VV015017.D (-2135) (-)
 Ion 129.00 (128.70 to 129.70): VV015017.D (-2135) (-)
 Ion 131.00 (130.70 to 131.70): VV015017.D (-2135) (-)
 Ion 166.00 (165.70 to 166.70): VV015017.D (-2135) (-)

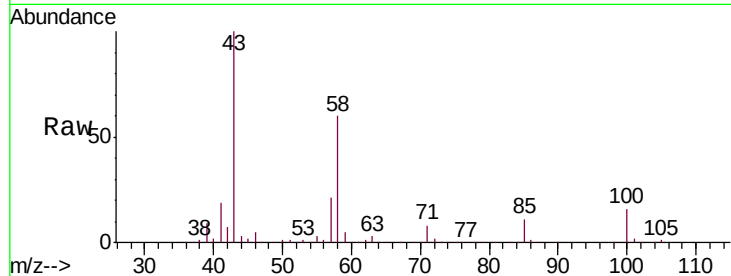




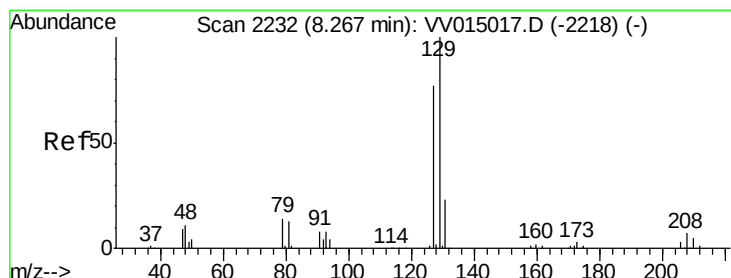
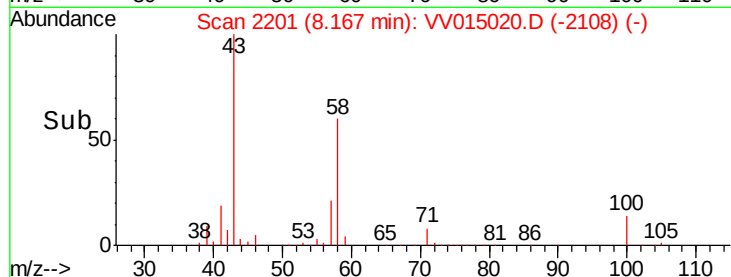
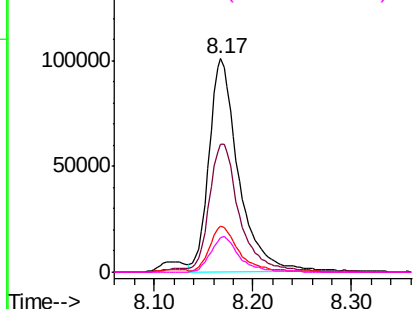
#48
2-Hexanone
Concen: 98.559 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Tgt Ion: 43 Resp: 207512
Ion Ratio Lower Upper
43 100
58 60.2 48.2 72.2
57 21.1 15.8 23.6
100 16.5 12.6 19.0

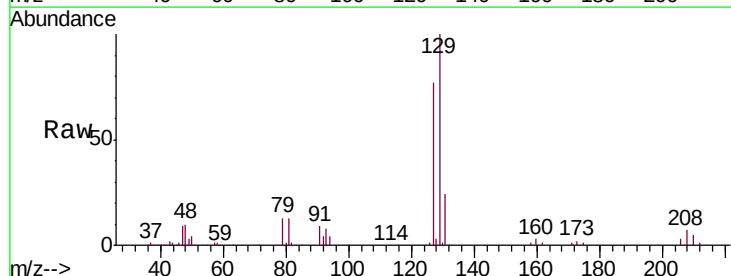


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

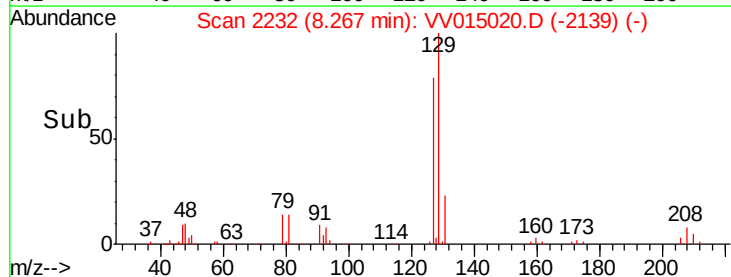
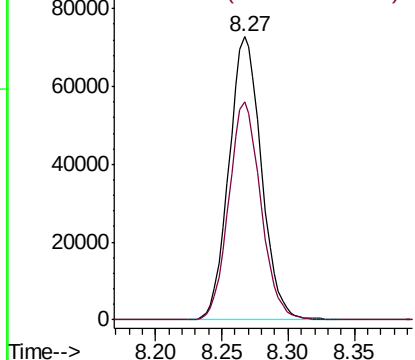


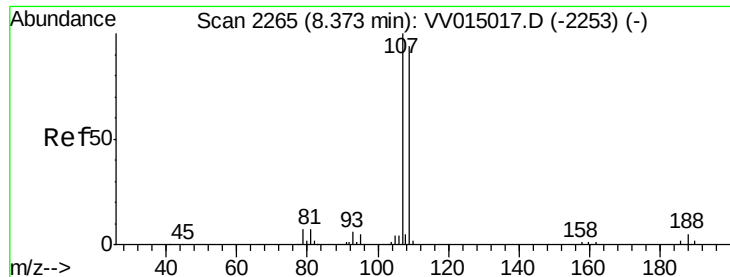
#49
Dibromochloromethane
Concen: 48.070 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

Tgt Ion: 129 Resp: 123926
Ion Ratio Lower Upper
129 100
127 77.3 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

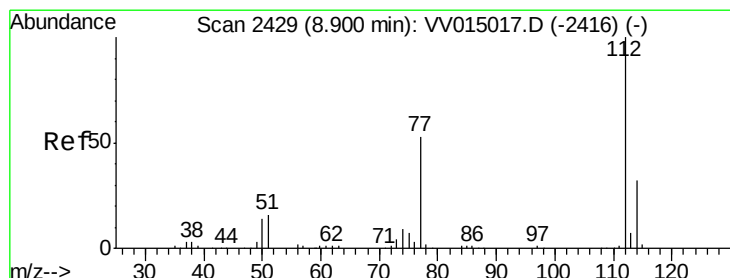
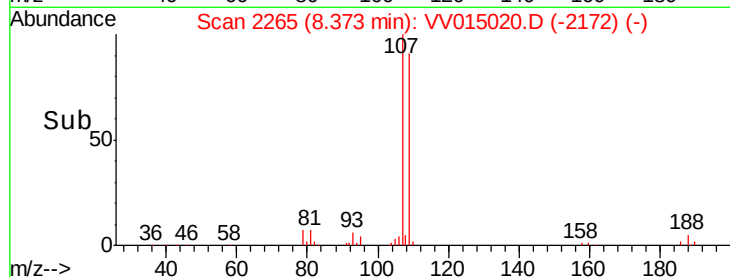
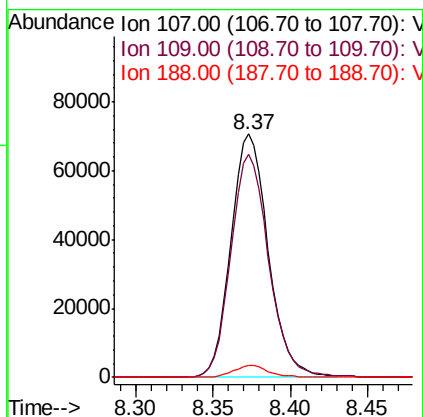
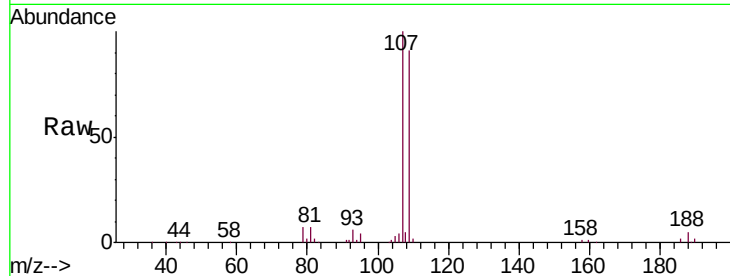




#50
1,2-Dibromoethane
Concen: 47.681 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

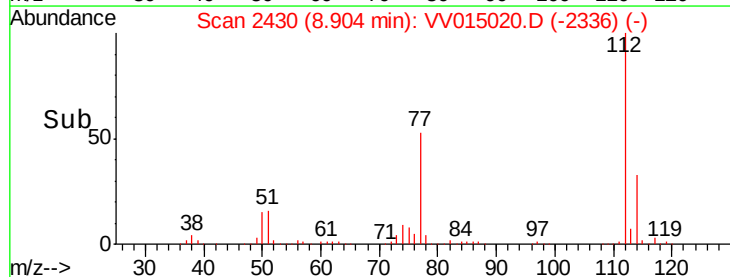
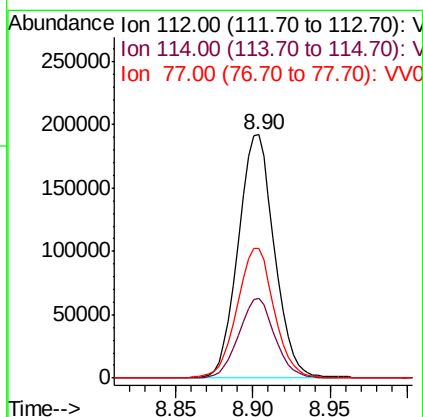
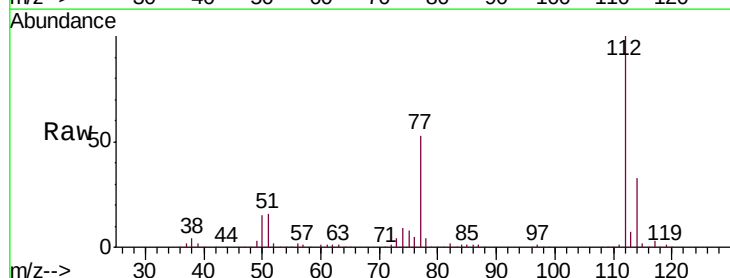
Instrument :
MSVOA_V
ClientSampleId :
VICV63

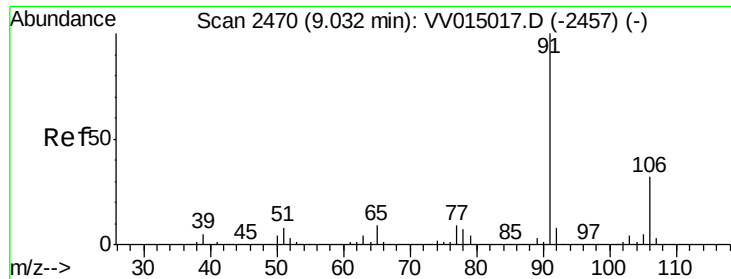
Tgt Ion:107 Resp: 118043
Ion Ratio Lower Upper
107 100
109 91.5 66.0 122.6
188 5.1 3.9 5.9



#51
Chlorobenzene
Concen: 46.773 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

Tgt Ion:112 Resp: 312807
Ion Ratio Lower Upper
112 100
114 33.0 22.4 41.6
77 53.1 42.9 64.3





#52

Ethylbenzene

Concen: 48.125 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

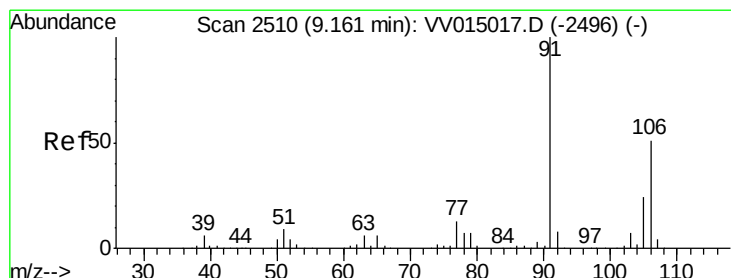
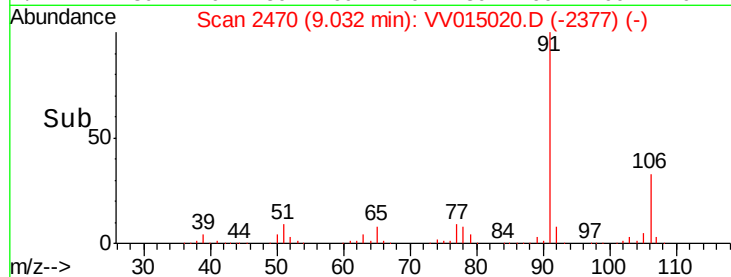
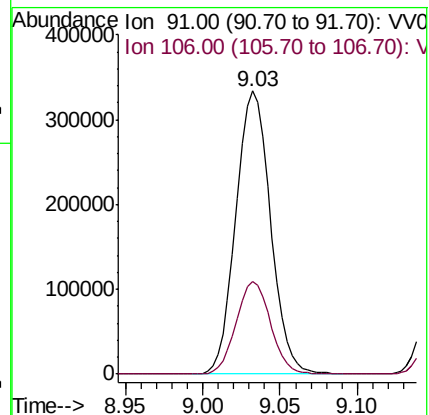
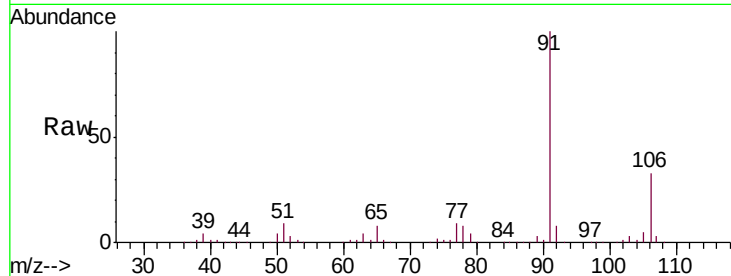
VICV63

Tgt Ion: 91 Resp: 519985

Ion Ratio Lower Upper

91 100

106 32.9 22.3 41.5



#53

m,p-Xylene

Concen: 48.535 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015020.D

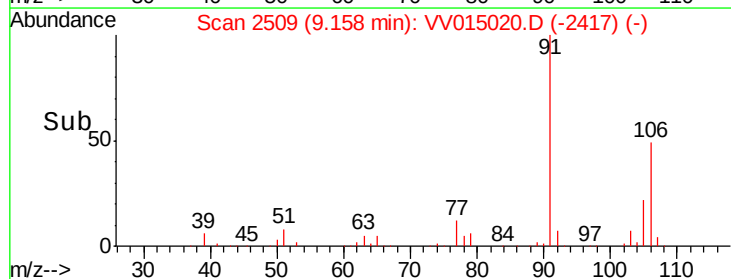
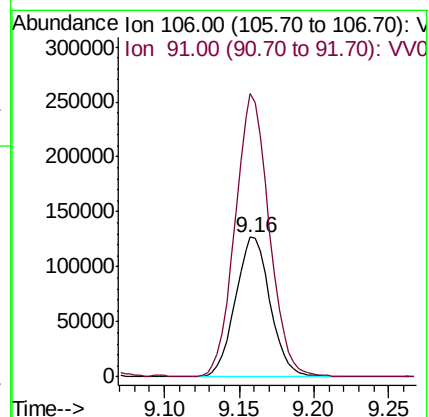
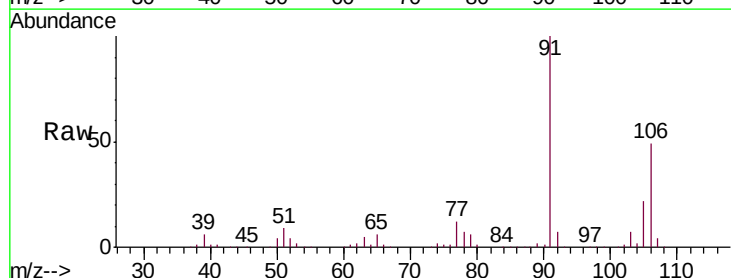
Acq: 18 Mar 2020 17:09

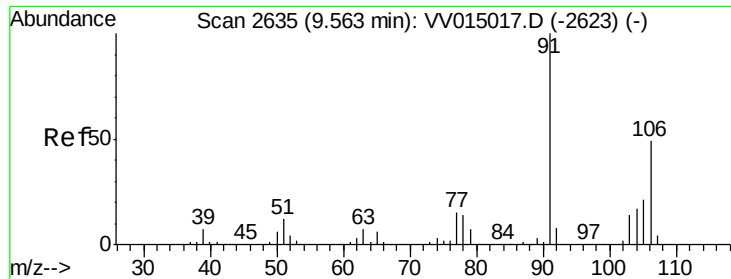
Tgt Ion: 106 Resp: 205306

Ion Ratio Lower Upper

106 100

91 202.8 137.0 254.4

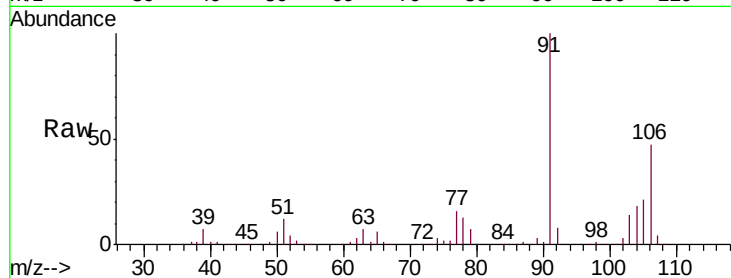




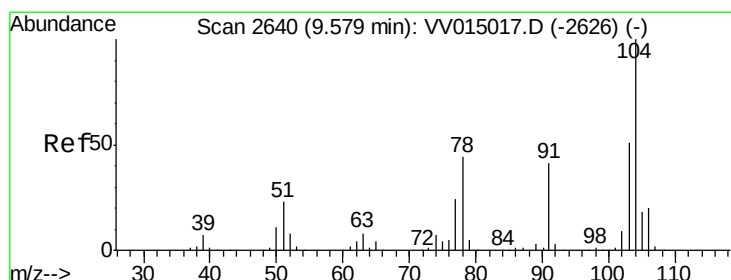
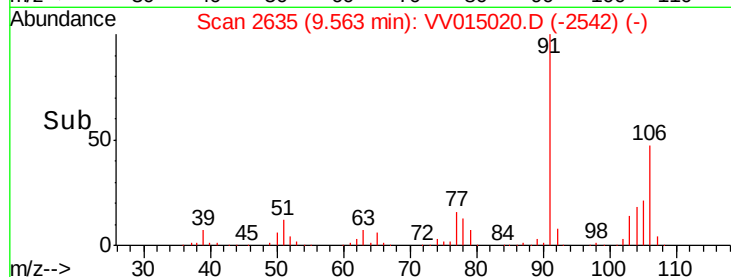
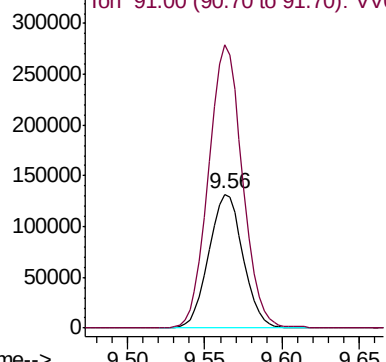
#54
o-xylene
Concen: 48.602 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

Instrument :
MSVOA_V
ClientSampleId :
VICV63

Tgt Ion:106 Resp: 203591
Ion Ratio Lower Upper
106 100
91 211.5 144.3 268.1

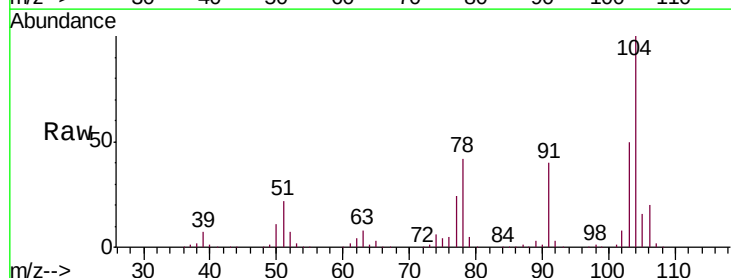


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

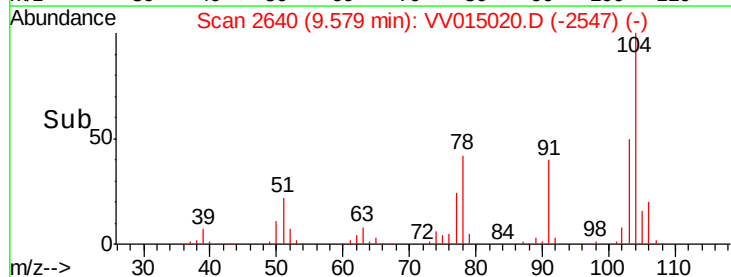
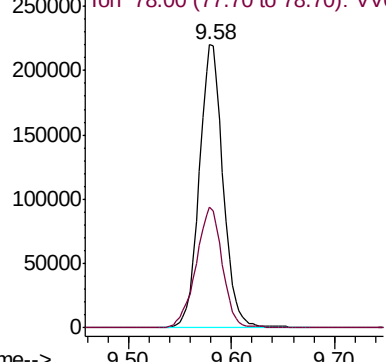


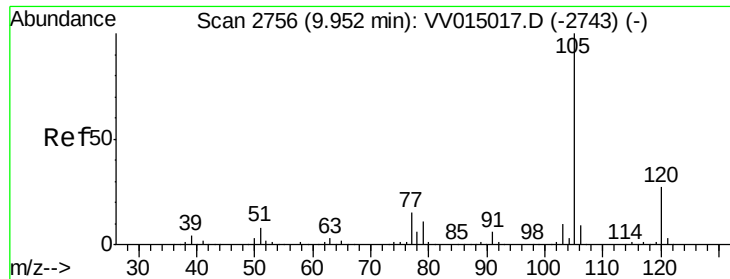
#55
Styrene
Concen: 50.437 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV015020.D
Acq: 18 Mar 2020 17:09

Tgt Ion:104 Resp: 354842
Ion Ratio Lower Upper
104 100
78 42.5 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: 49.122 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

VICV63

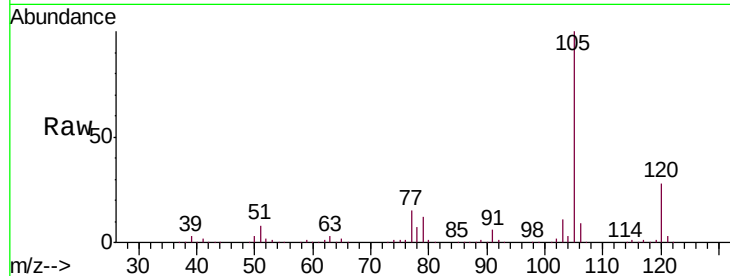
Tgt Ion: 105 Resp: 535936

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

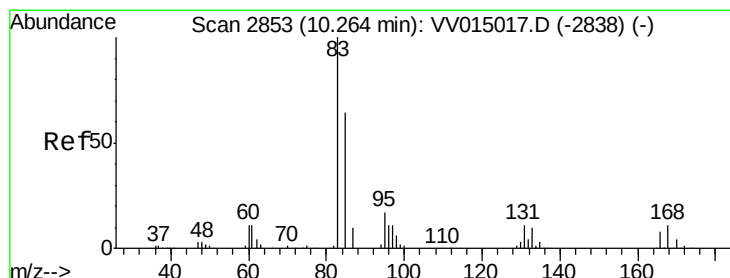
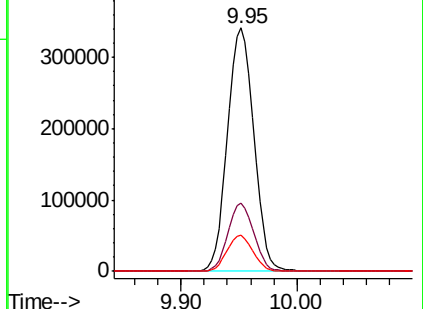
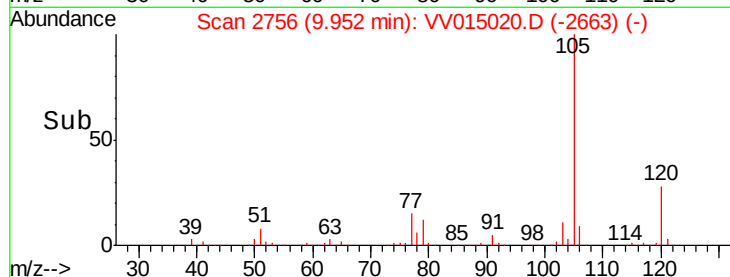
77 14.6 11.7 17.5



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: 46.987 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

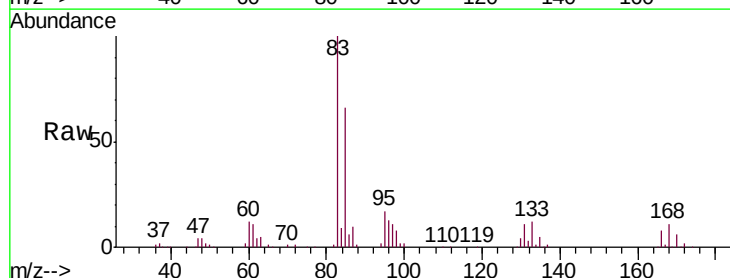
Tgt Ion: 83 Resp: 169528

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.5

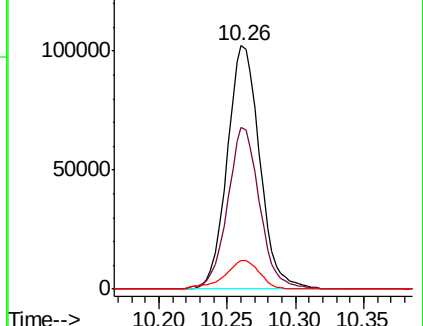
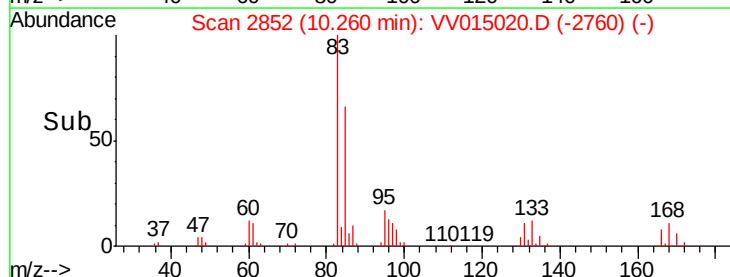
131 11.5 9.3 13.9

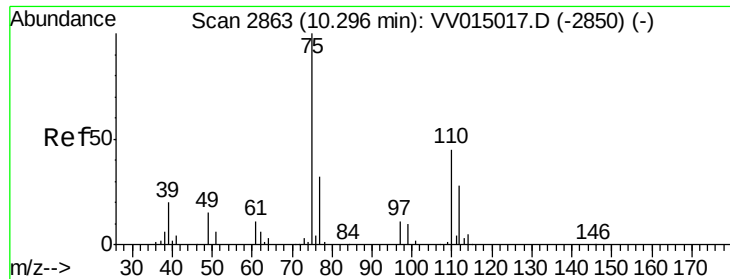


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.471 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

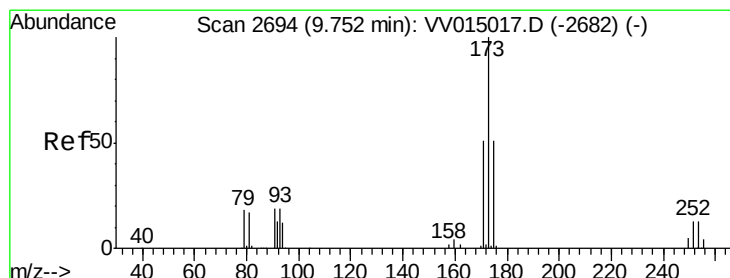
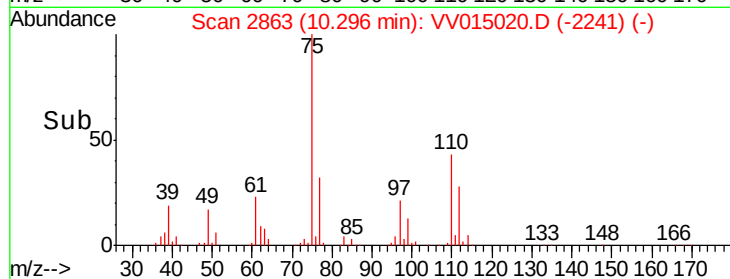
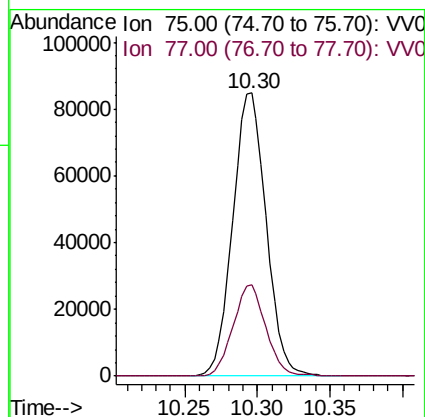
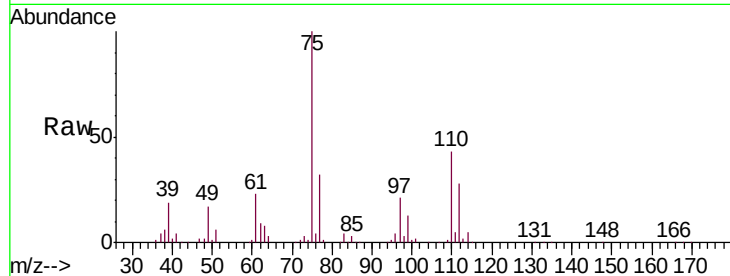
VICV63

Tgt Ion: 75 Resp: 135760

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



#61

Bromoform

Concen: 50.615 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

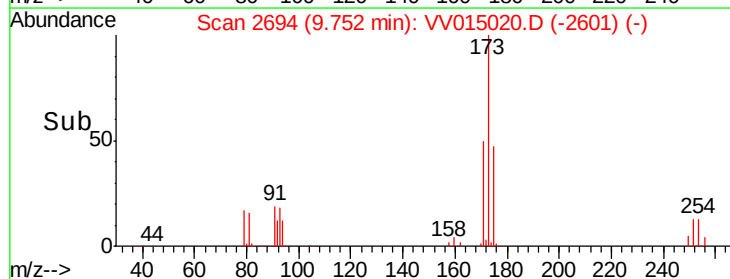
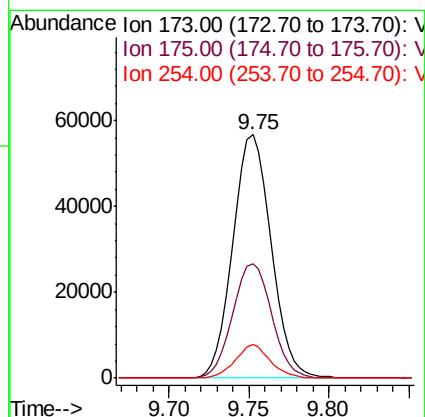
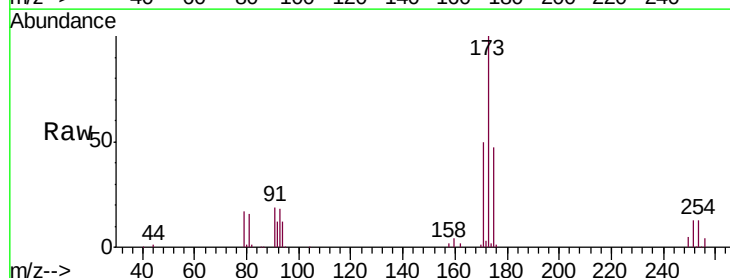
Tgt Ion: 173 Resp: 92727

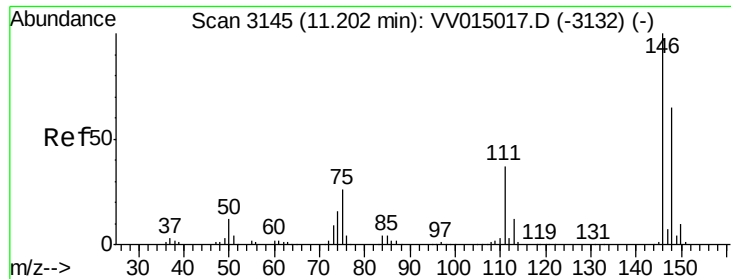
Ion Ratio Lower Upper

173 100

175 47.7 39.5 59.3

254 12.4 10.1 15.1





#62

1,3-Dichlorobenzene

Concen: 48.909 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

VICV63

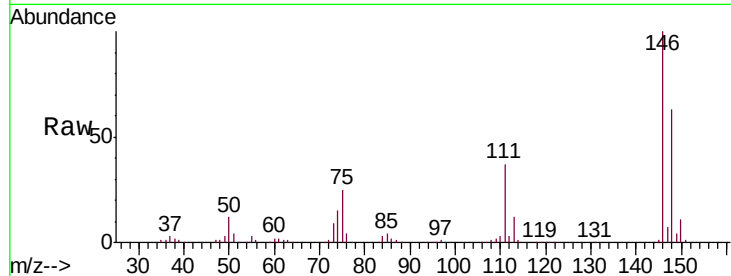
Tgt Ion:146 Resp: 272772

Ion Ratio Lower Upper

146 100

111 36.8 25.7 47.7

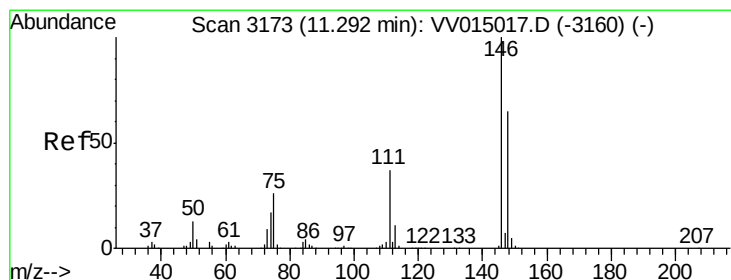
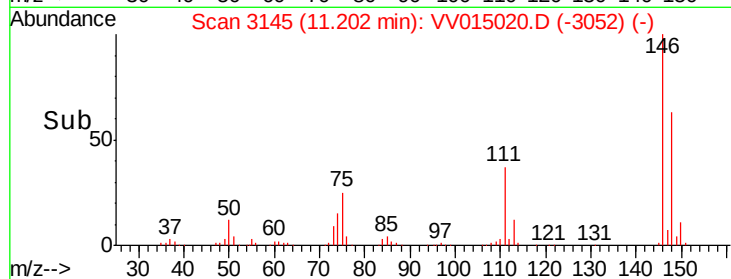
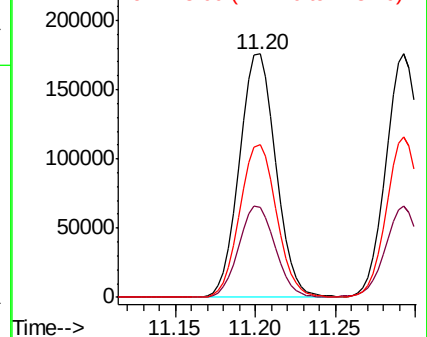
148 62.9 45.4 84.4



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



#63

1,4-Dichlorobenzene

Concen: 46.943 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

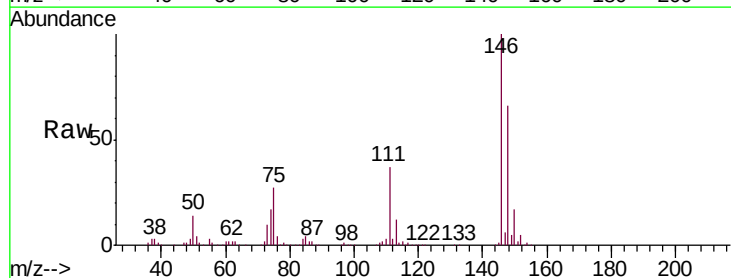
Tgt Ion:146 Resp: 272521

Ion Ratio Lower Upper

146 100

111 37.3 25.8 48.0

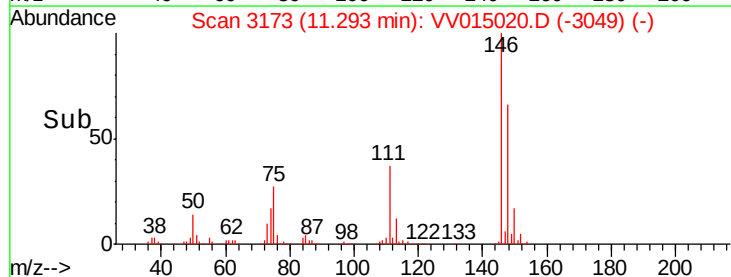
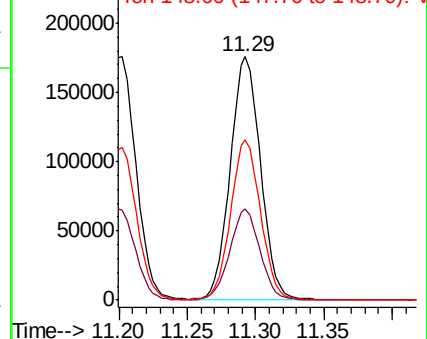
148 65.8 45.7 84.9

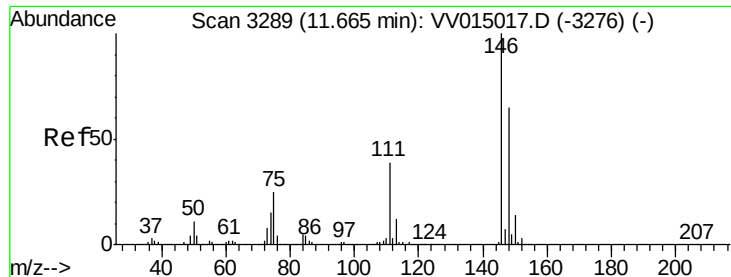


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.227 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

VICV63

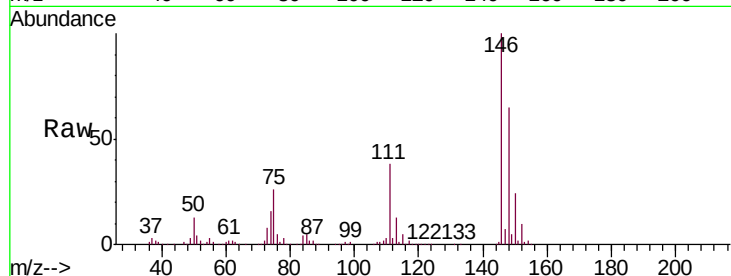
Tgt Ion:146 Resp: 273840

Ion Ratio Lower Upper

146 100

111 38.0 31.5 47.3

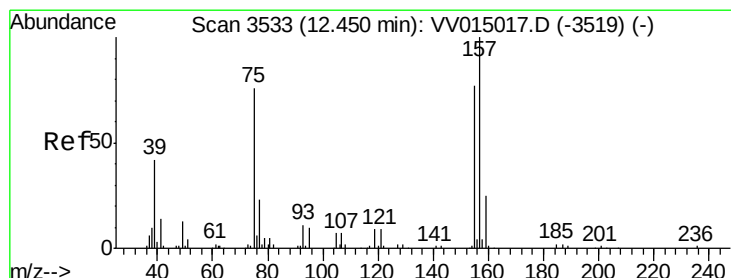
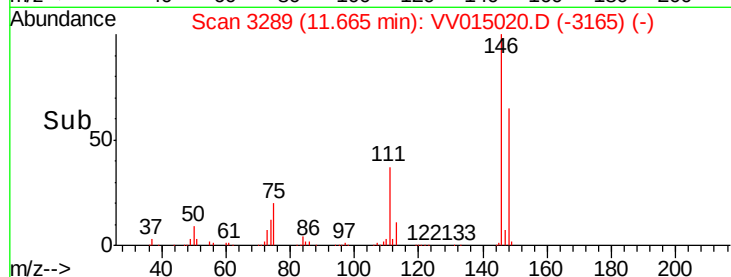
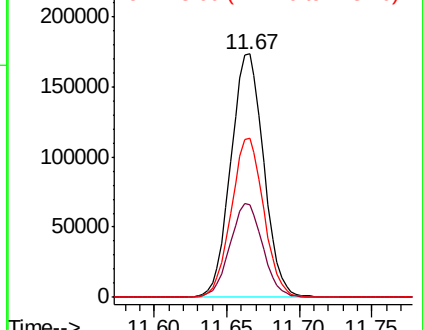
148 65.3 51.7 77.5



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: 45.548 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

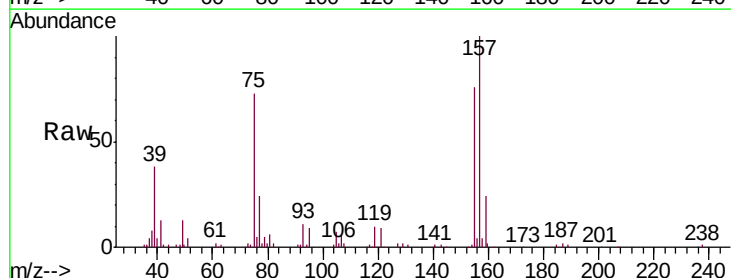
Tgt Ion: 75 Resp: 37708

Ion Ratio Lower Upper

75 100

155 104.1 80.6 121.0

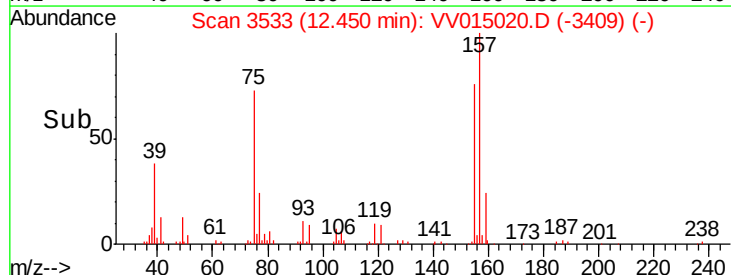
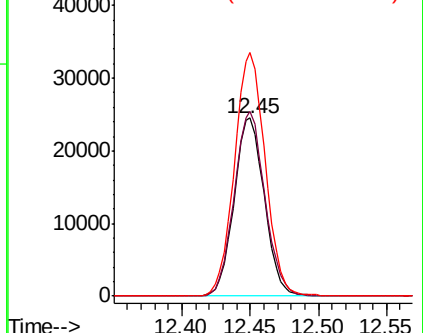
157 136.8 104.6 157.0

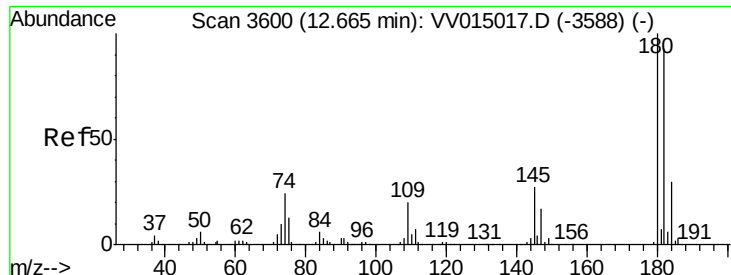


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

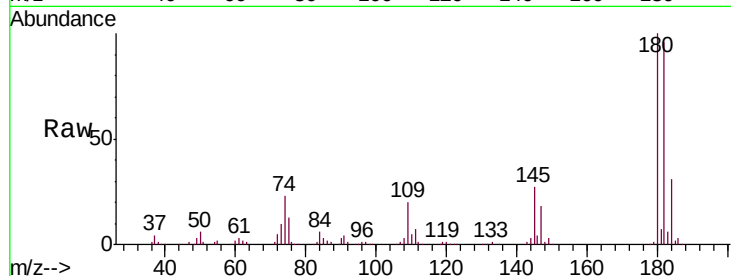




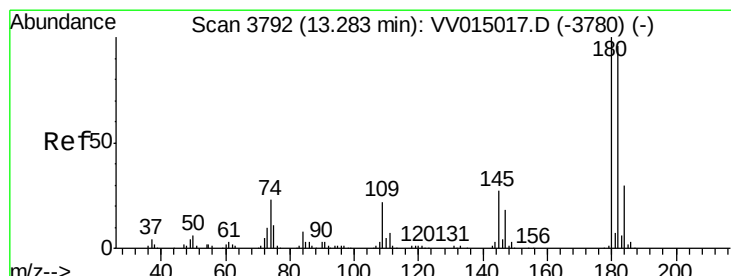
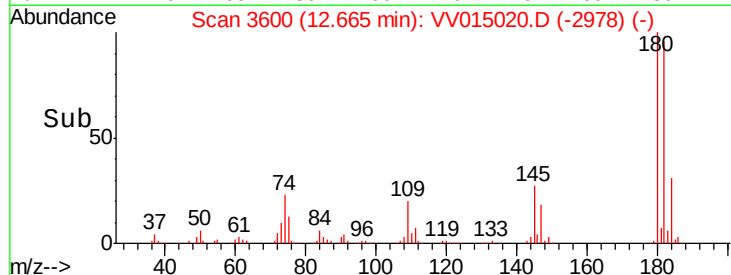
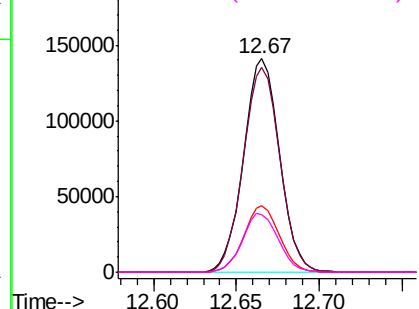
#67
 1,3,5-Trichlorobenzene
 Concen: 48.356 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV63

Tgt Ion:	180	Resp:	213380
Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.2	112.8
184	30.7	23.9	35.9
145	27.3	22.0	33.0

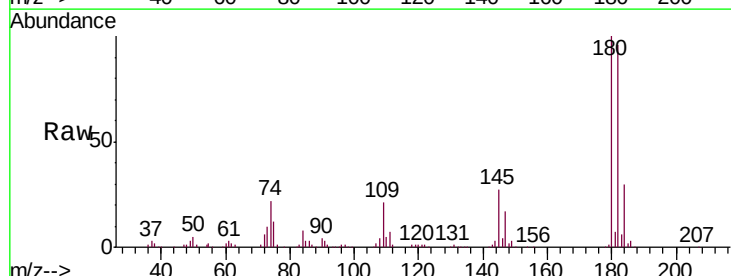


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

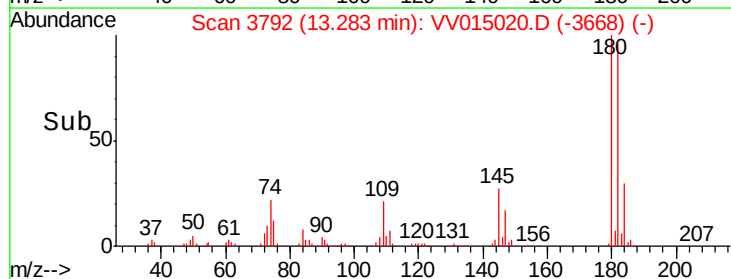
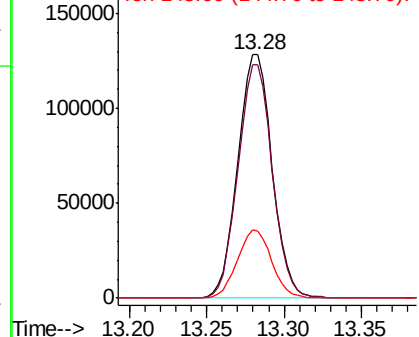


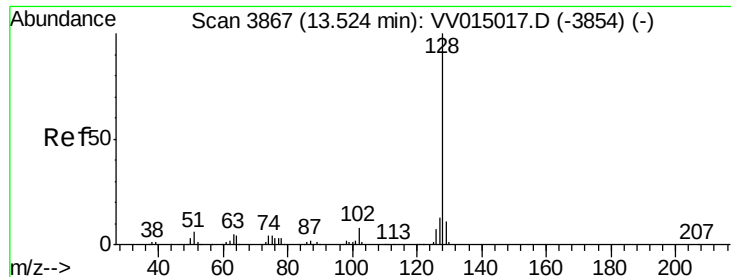
#68
 1,2,4-trichlorobenzene
 Concen: 48.695 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015020.D
 Acq: 18 Mar 2020 17:09

Tgt Ion:	180	Resp:	197880
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
145	27.8	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: 49.306 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

Instrument :

MSVOA_V

ClientSampleId :

VICV63

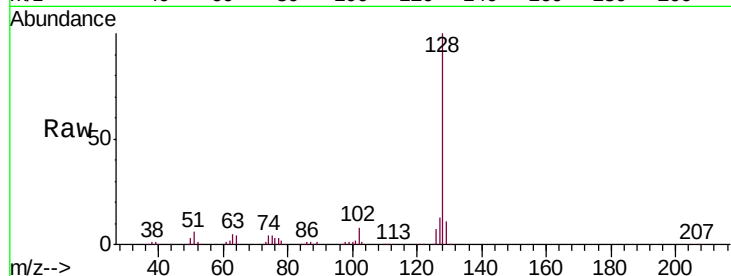
Tgt Ion:128 Resp: 261602

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

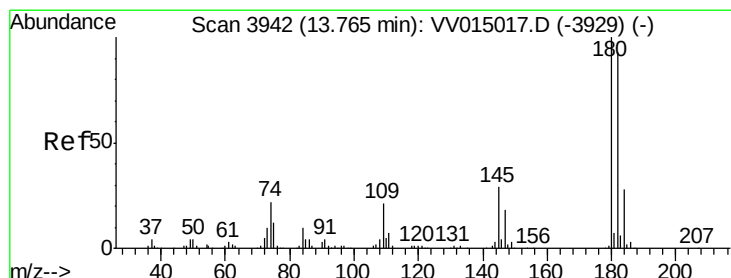
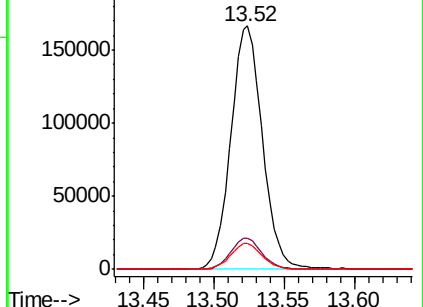
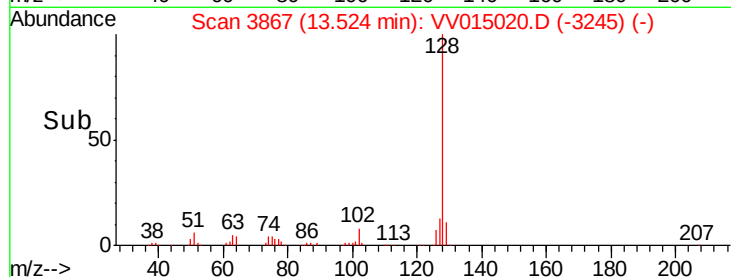
129 10.7 8.6 13.0



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: 50.038 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV015020.D

Acq: 18 Mar 2020 17:09

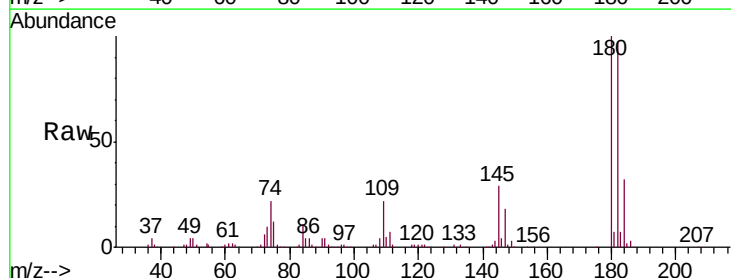
Tgt Ion:180 Resp: 199767

Ion Ratio Lower Upper

180 100

182 96.2 75.5 113.3

145 28.7 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

