

Data File : VV015170.D
Acq On : 26 Mar 2020 14:20
Operator : SY/MD
Sample : VSTD20066
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Quant Time: Mar 27 21:02:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 27 20:54:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	722340	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	711113	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	346509	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	759095	195.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	391.74%#
7) Chloroethane-d5	1.58	69	748722	191.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	383.28%#
11) 1,1-Dichloroethene-d2	2.12	63	1792194	202.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	405.60%#
21) 2-Butanone-d5	3.93	46	1575259	408.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	408.22%#
24) Chloroform-d	4.38	84	1693406	199.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	398.74%#
26) 1,2-Dichloroethane-d4	5.06	65	1095370	195.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	390.72%#
32) Benzene-d6	5.07	84	2905133	198.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	397.22%#
36) 1,2-Dichloropropane-d6	6.09	67	1030783	195.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	390.74%#
41) Toluene-d8	7.34	98	2640114	199.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	398.34%#
43) trans-1,3-Dichloropropene-	7.64	79	588537	204.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	409.60%#
47) 2-Hexanone-d5	8.11	63	1246264	403.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	403.95%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	1758828	196.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	392.56%#
64) 1,2-Dichlorobenzene-d4	11.65	152	1279179	197.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	395.44%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1178865	184.959	ug/L 100
3) Chloromethane	1.25	50	1264162	182.640	ug/L 99
5) Vinyl chloride	1.32	62	1335625	188.378	ug/L 99
6) Bromomethane	1.53	94	870954	190.345	ug/L 97
8) Chloroethane	1.60	64	842750	181.785	ug/L 98
9) Trichlorofluoromethane	1.76	101	2385464	203.894	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1146872	193.824	ug/L 99
12) 1,1-Dichloroethene	2.13	96	1136666	195.109	ug/L 91
13) Acetone	2.46	43	968311	362.822	ug/L 100
14) Carbon disulfide	2.30	76	2875753	192.490	ug/L 100
15) Methyl Acetate	2.46	43	1023937	185.325	ug/L 99
16) Methylene chloride	2.52	84	1035805	190.469	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	956308	188.879	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	3201548	187.619	ug/L 99
19) 1,1-Dichloroethane	3.21	63	1753238	187.469	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	1080166	191.522	ug/L # 97
22) 2-Butanone	4.01	43	1496174	356.344	ug/L 97

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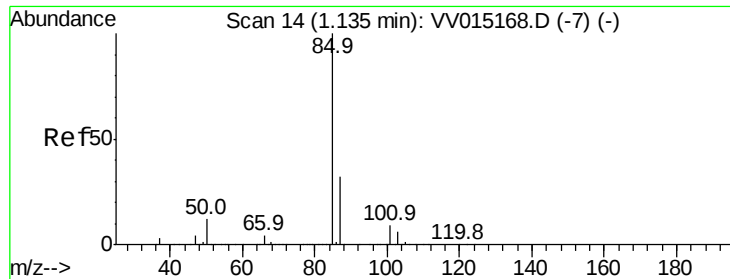
Quant Time: Mar 27 21:02:02 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	537439	196.970	ug/L	98
25) Chloroform	4.40	83	1824576	189.375	ug/L	99
27) 1,2-Dichloroethane	5.16	62	1429810	187.187	ug/L	99
29) Cyclohexane	4.70	56	1631394	187.444	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	1701154	188.907	ug/L	100
31) Carbon tetrachloride	4.85	117	1446045	191.036	ug/L	99
33) Benzene	5.13	78	4008456	189.339	ug/L	100
34) Trichloroethene	5.94	95	1065264	193.157	ug/L	99
35) Methylcyclohexane	6.15	83	1721048	187.788	ug/L	99
37) 1,2-Dichloropropane	6.20	63	1011123	186.799	ug/L	100
38) Bromodichloromethane	6.53	83	1450753	189.117	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	1769471	195.573	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	3024420	370.515	ug/L	99
42) Toluene	7.41	91	4479373	189.652	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	1738158	196.769	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	1017666	192.058	ug/L	99
46) Tetrachloroethene	8.00	164	755917	203.959	ug/L	98
48) 2-Hexanone	8.16	43	2401335	372.538	ug/L	97
49) Dibromochloromethane	8.27	129	1173207	200.956	ug/L	96
50) 1,2-Dibromoethane	8.37	107	1120090	194.202	ug/L	99
51) Chlorobenzene	8.90	112	2893862	191.820	ug/L	100
52) Ethylbenzene	9.04	91	5102995	191.766	ug/L	100
53) m,p-Xylene	9.16	106	1980643	195.098	ug/L	99
54) o-xylene	9.57	106	1945918	190.833	ug/L	97
55) Styrene	9.58	104	3358035	194.645	ug/L	100
56) Isopropylbenzene	9.95	105	5062490	193.379	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	1682619	188.391	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	1346462	187.250	ug/L	100
61) Bromoform	9.75	173	809123	202.679	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	2217247	190.845	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	2217850	188.972	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	2206637	187.333	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	466442	178.233	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	1496478	201.297	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	1428841	201.501	ug/L	99
69) Naphthalene	13.53	128	5491240	193.377	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	1444828	203.488	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 184.959 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

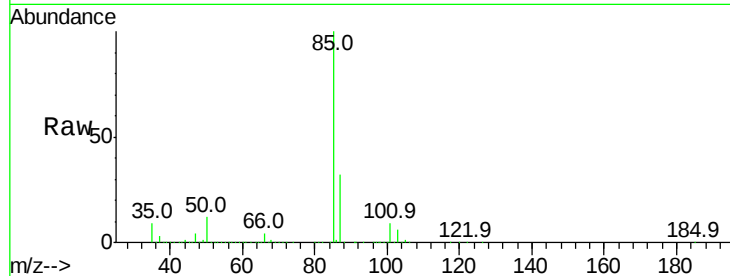
VSTD20066

Tgt Ion: 85 Resp: 1178865

Ion Ratio Lower Upper

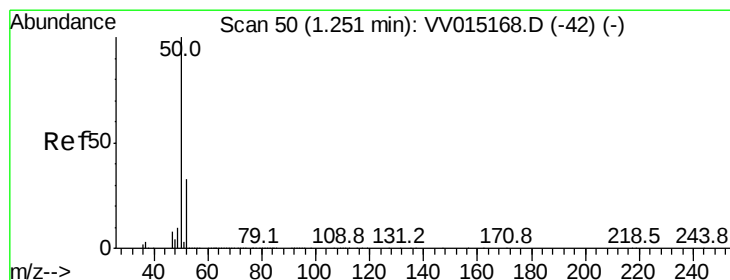
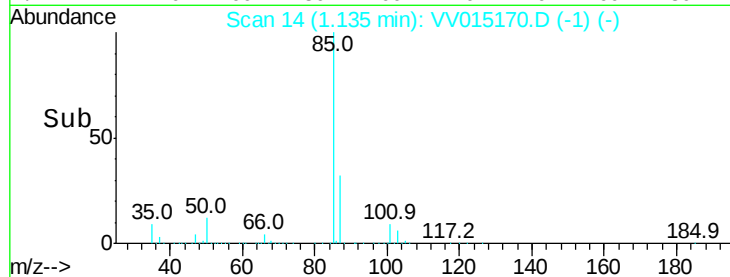
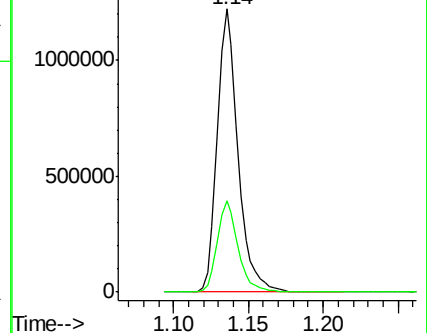
85 100

87 32.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 182.640 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015170.D

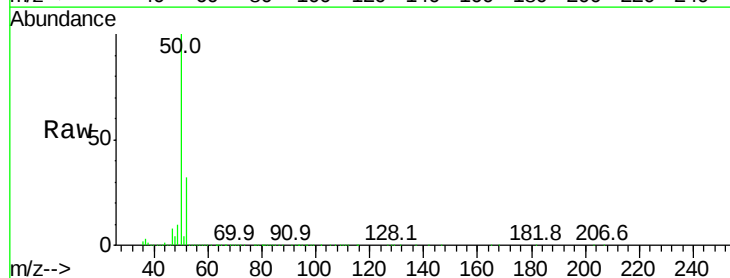
Acq: 26 Mar 2020 14:20

Tgt Ion: 50 Resp: 1264162

Ion Ratio Lower Upper

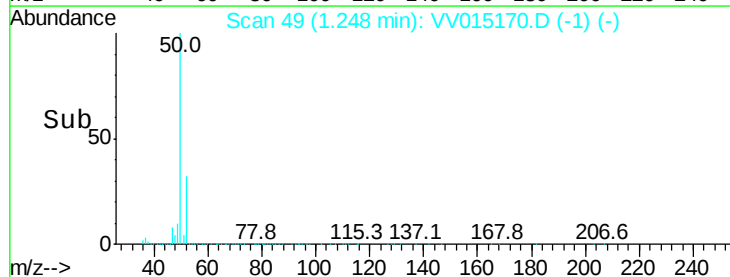
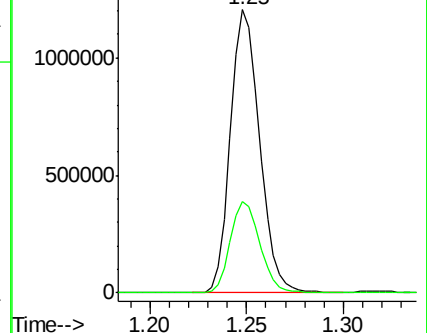
50 100

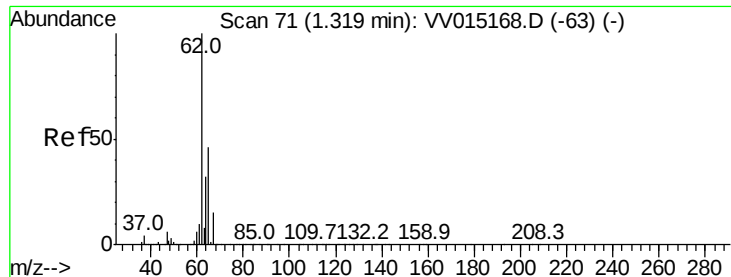
52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 188.378 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

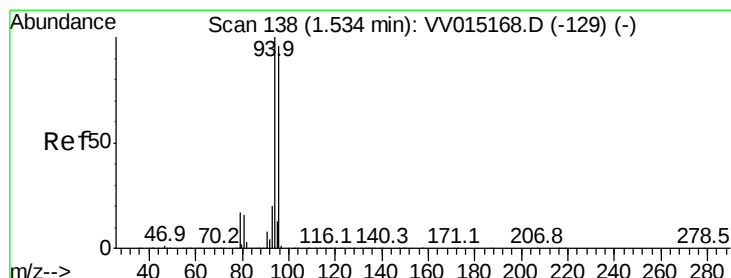
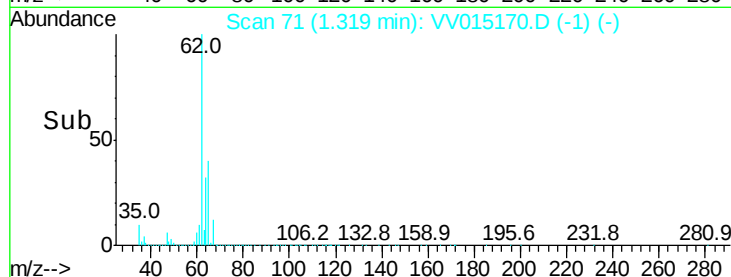
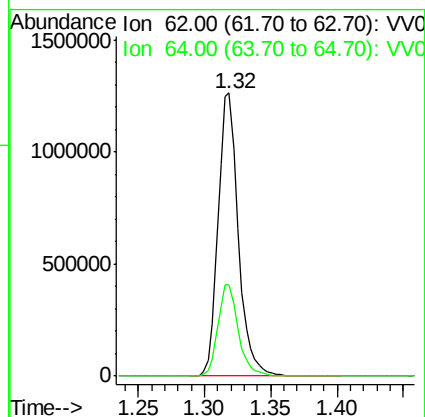
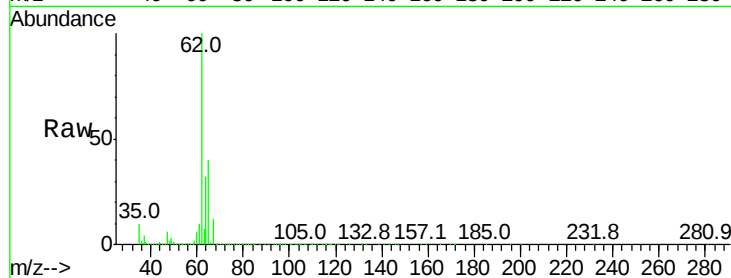
VSTD20066

Tgt Ion: 62 Resp: 1335625

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4



#6

Bromomethane

Concen: 190.345 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015170.D

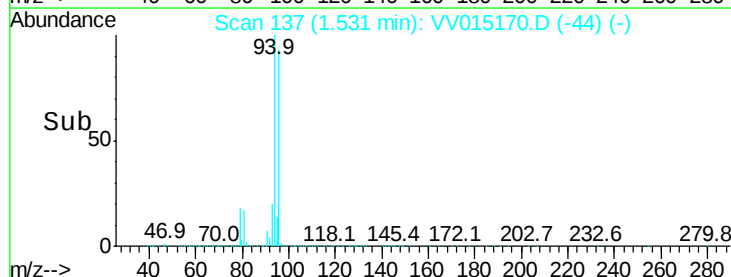
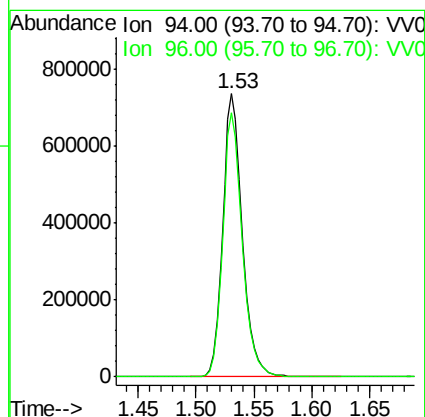
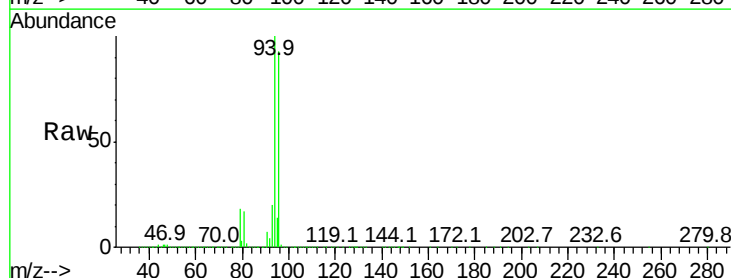
Acq: 26 Mar 2020 14:20

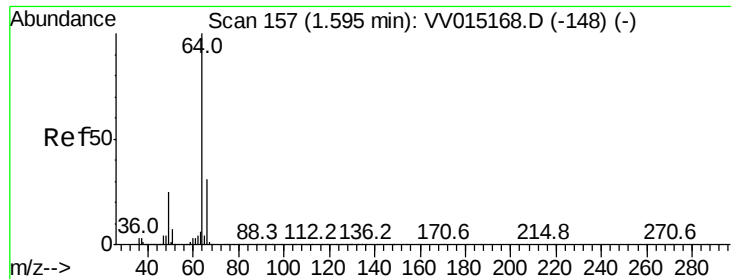
Tgt Ion: 94 Resp: 870954

Ion Ratio Lower Upper

94 100

96 93.3 67.1 124.7





#8

Chloroethane

Concen: 181.785 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

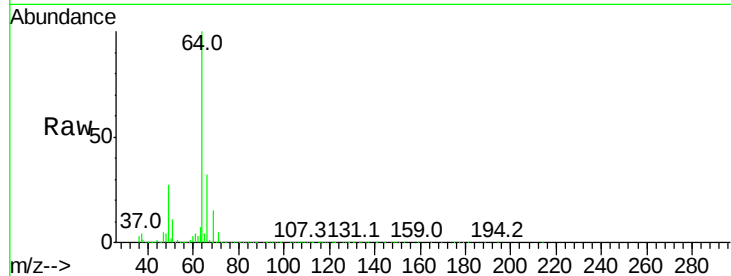
VSTD20066

Tgt Ion: 64 Resp: 842750

Ion Ratio Lower Upper

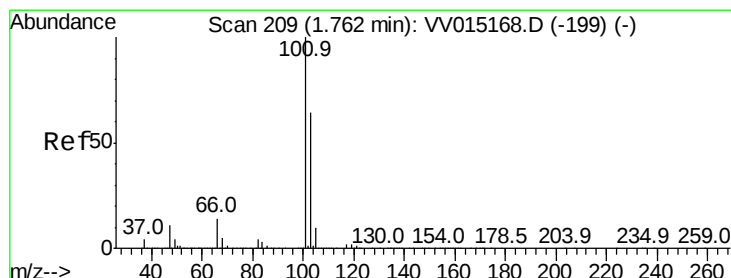
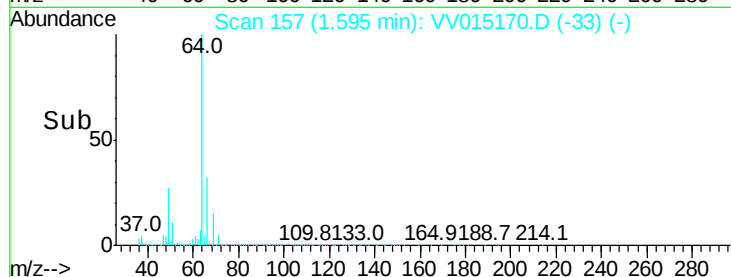
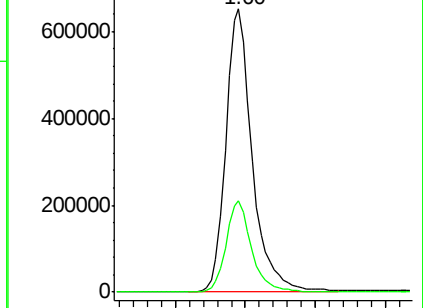
64 100

66 32.1 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VV015170.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV015170.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 203.894 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV015170.D

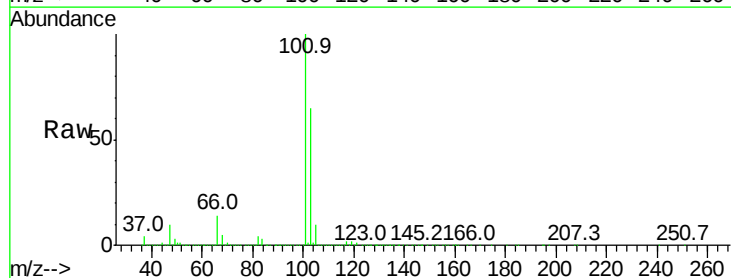
Acq: 26 Mar 2020 14:20

Tgt Ion: 101 Resp: 2385464

Ion Ratio Lower Upper

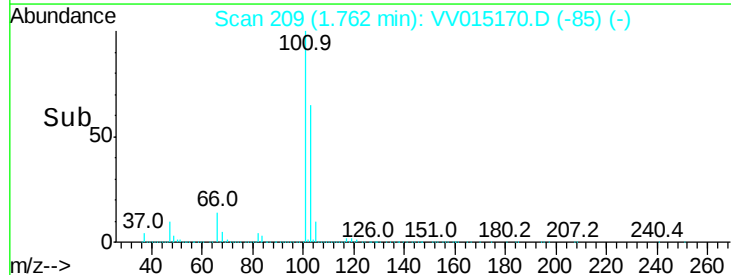
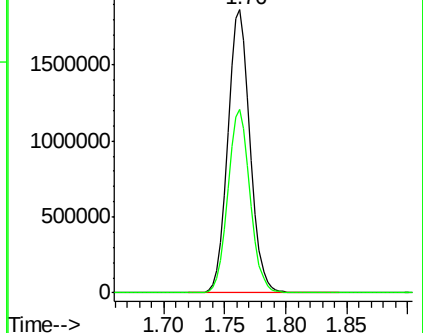
101 100

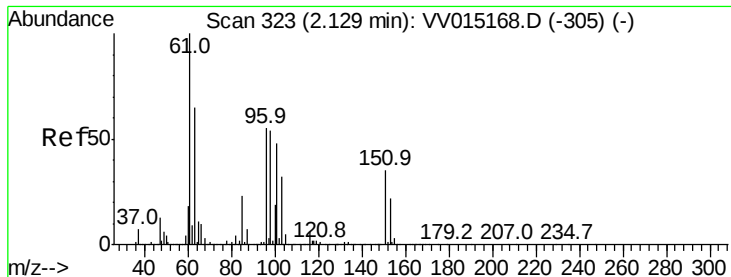
103 64.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV015170.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV015170.D (-209) (-)





#10

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

Concen: 193.824 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

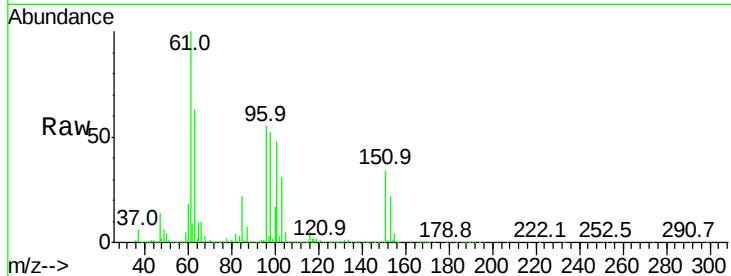
Tgt Ion:101 Resp: 1146872

Ion Ratio Lower Upper

101 100

85 45.9 37.1 55.7

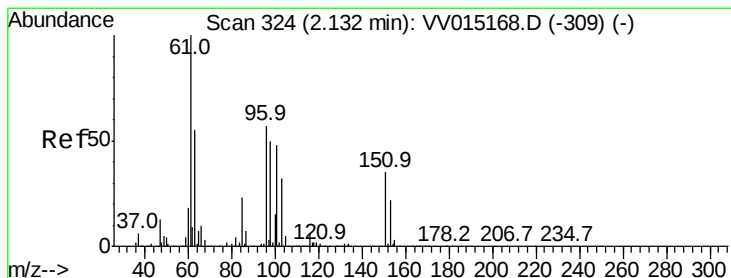
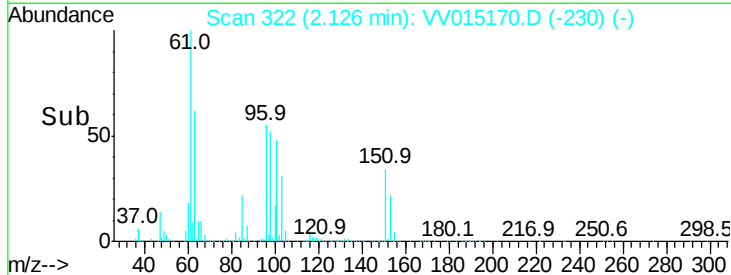
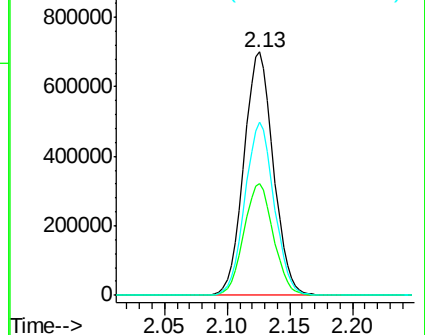
151 70.7 57.7 86.5



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: 195.109 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

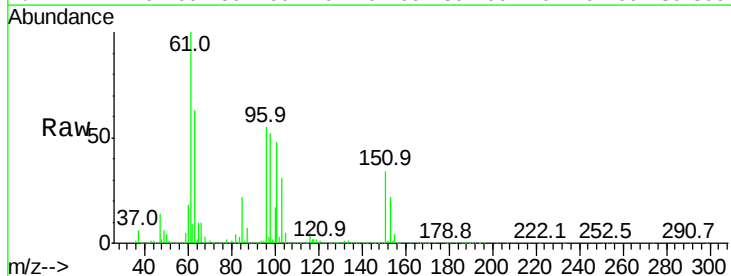
Tgt Ion: 96 Resp: 1136666

Ion Ratio Lower Upper

96 100

61 181.1 122.3 227.1

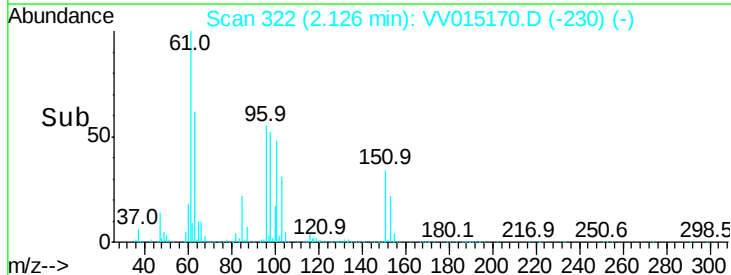
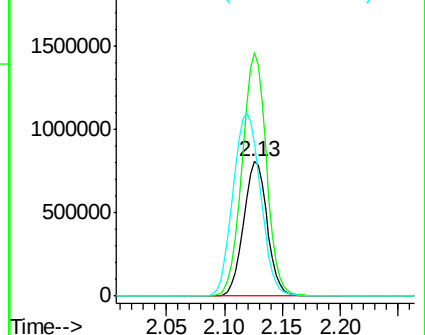
63 113.3 67.9 126.1

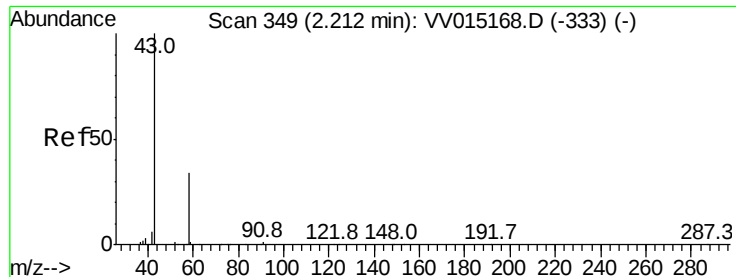


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 362.822 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.24 min

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MSVOA_V

ClientSampleId :

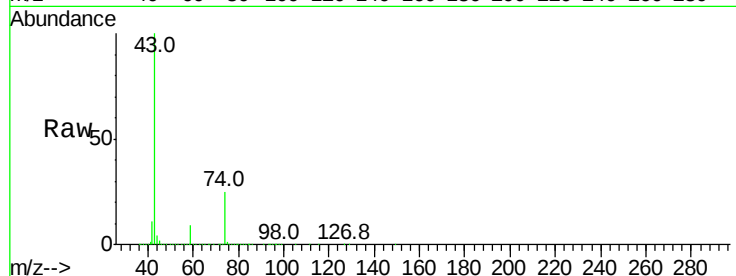
VSTD20066

Tgt Ion: 43 Resp: 968311

Ion Ratio Lower Upper

43 100

58 0.0 0.0 0.2



Abundance Ion 43.00 (42.70 to 43.70): VV015170.D (-425) (-)

Ion 58.00 (57.70 to 58.70): VV015170.D (-425) (-)

2.46

400000

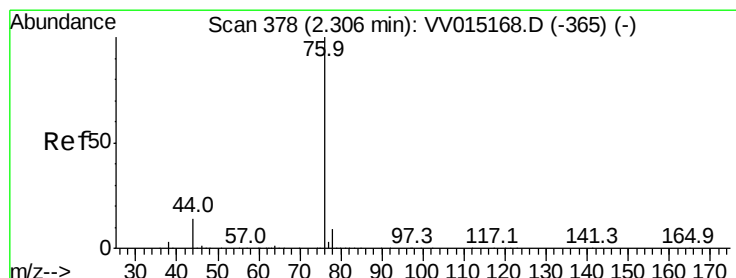
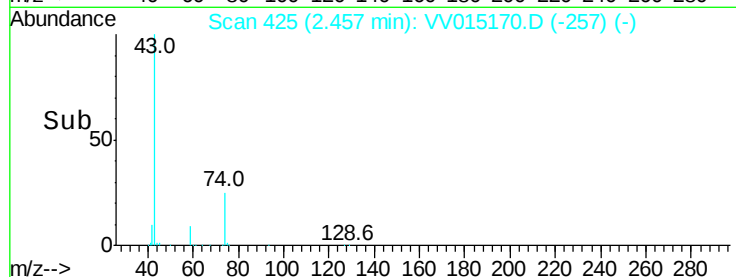
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 192.490 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015170.D

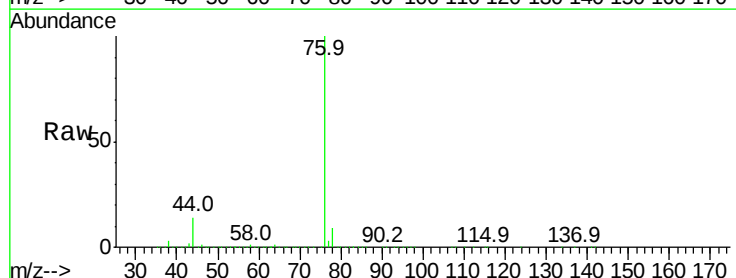
Acq: 26 Mar 2020 14:20

Tgt Ion: 76 Resp: 2875753

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015170.D (-377) (-)

Ion 78.00 (77.70 to 78.70): VV015170.D (-377) (-)

2.30

2000000

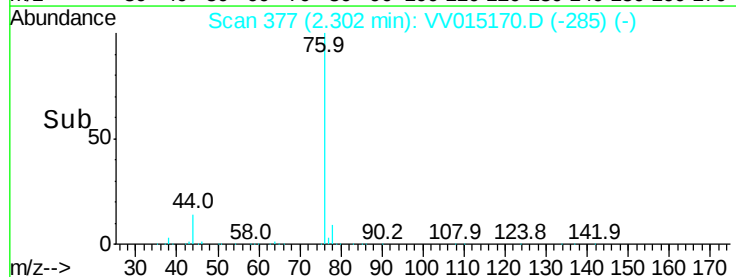
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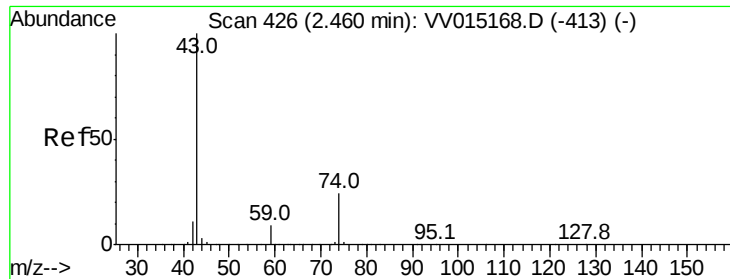
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500000

0

Time-->

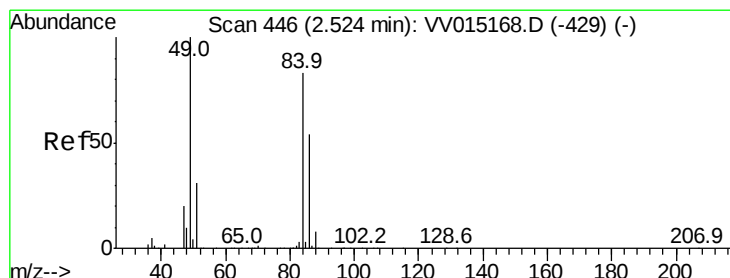
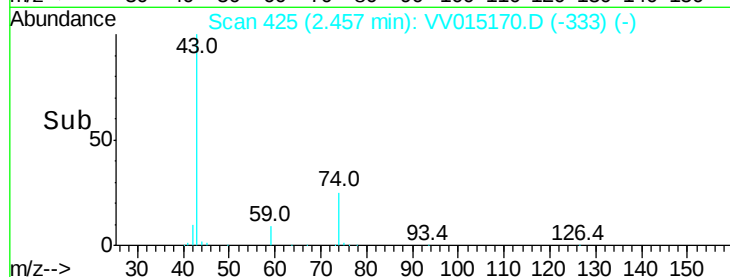
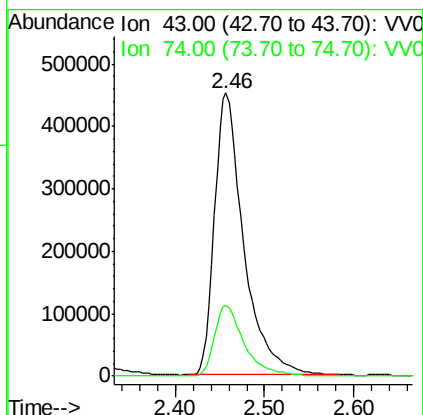
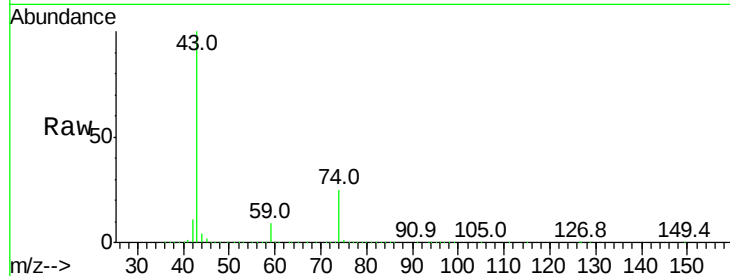




#15
Methyl Acetate
Concen: 185.325 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

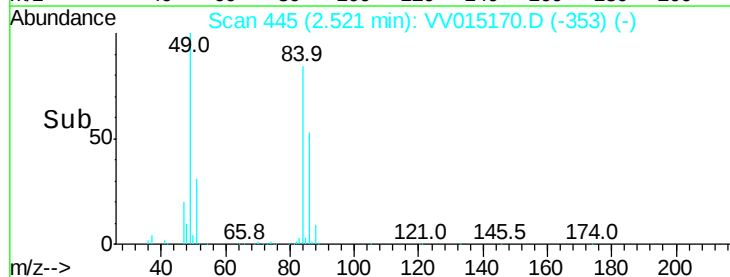
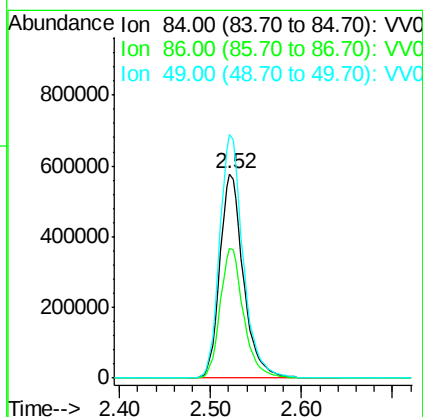
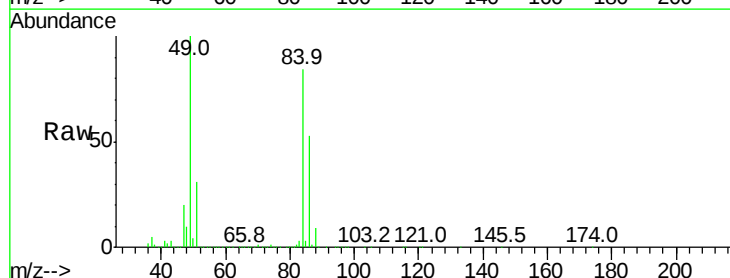
Instrument :
MSVOA_V
ClientSampled :
VSTD20066

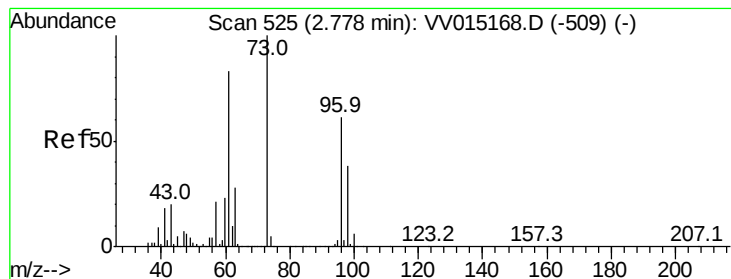
Tgt Ion: 43 Resp: 1023937
Ion Ratio Lower Upper
43 100
74 25.6 20.0 30.0



#16
Methylene chloride
Concen: 190.469 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

Tgt Ion: 84 Resp: 1035805
Ion Ratio Lower Upper
84 100
86 63.3 45.1 83.9
49 119.4 84.2 156.4





#17

trans-1,2-Dichloroethene

Concen: 188.879 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

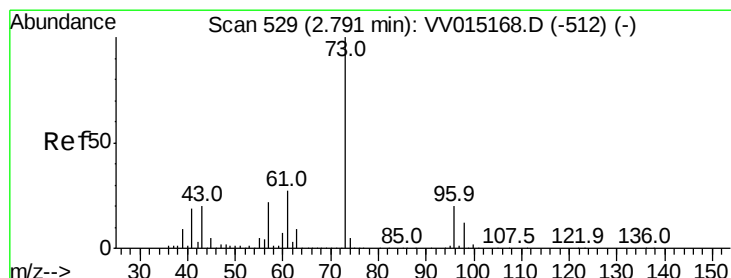
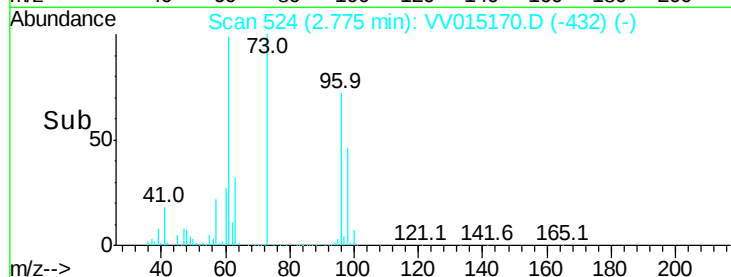
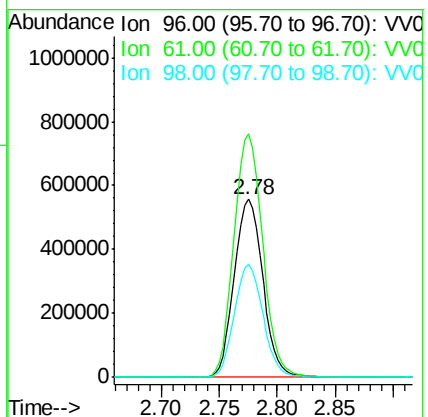
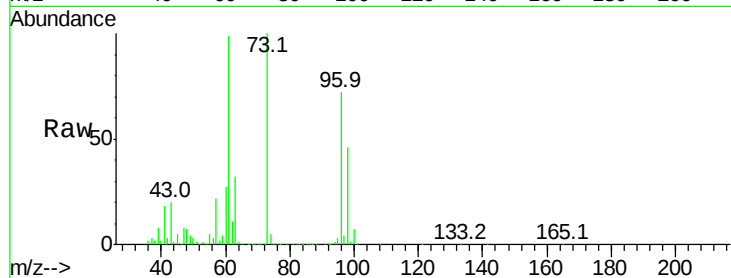
Tgt Ion: 96 Resp: 956308

Ion Ratio Lower Upper

96 100

61 137.0 96.4 179.0

98 63.7 43.8 81.4



#18

Methyl tert-butyl Ether

Concen: 187.619 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

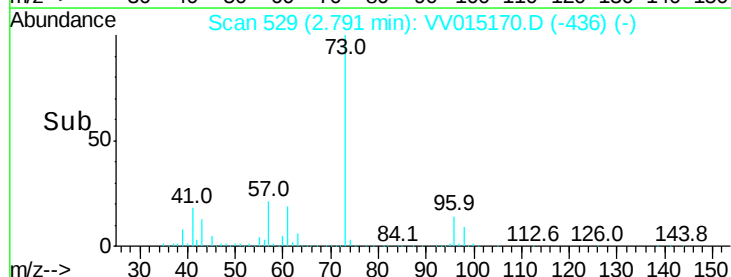
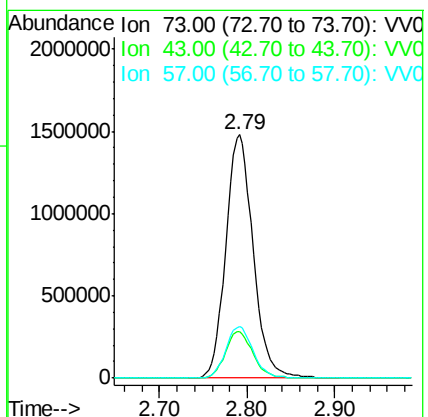
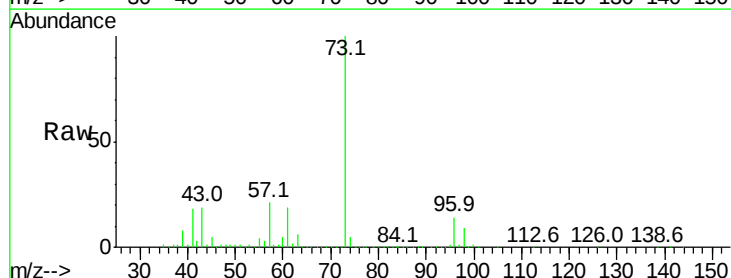
Tgt Ion: 73 Resp: 3201548

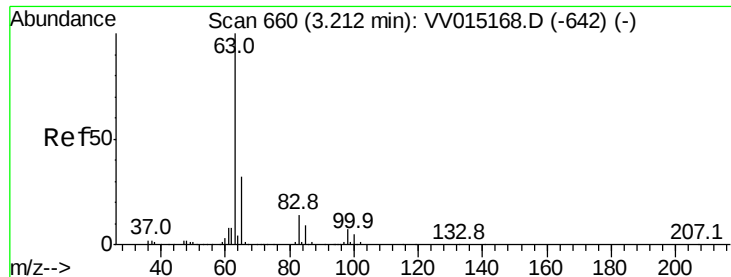
Ion Ratio Lower Upper

73 100

43 19.2 15.8 23.6

57 21.3 17.1 25.7

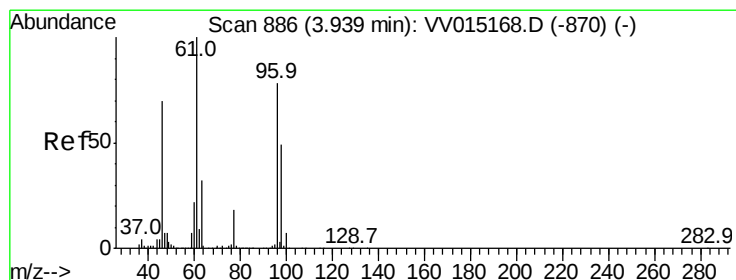
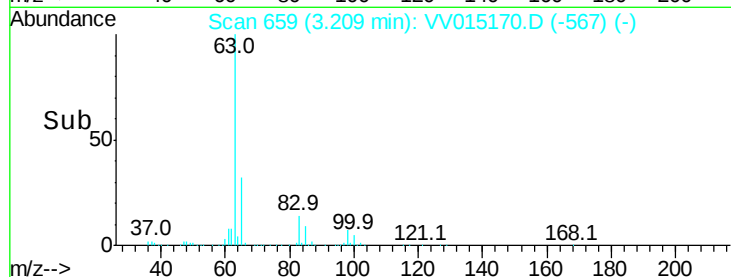
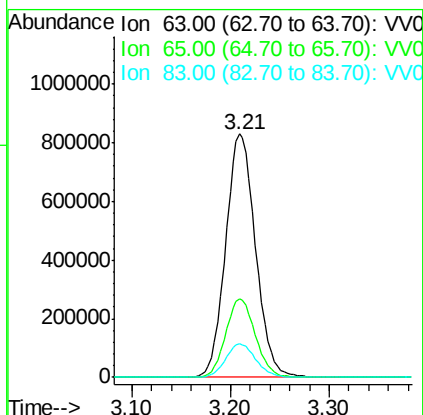
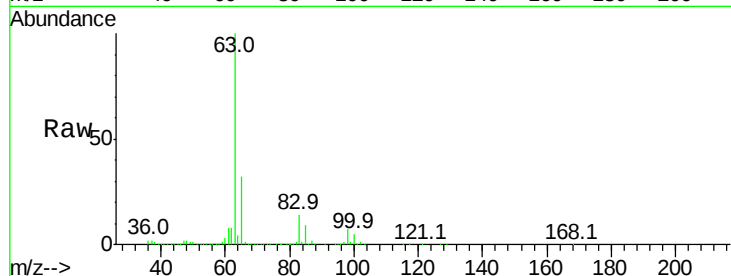




#19
 1,1-Dichloroethane
 Concen: 187.469 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015170.D
 Acq: 26 Mar 2020 14:20

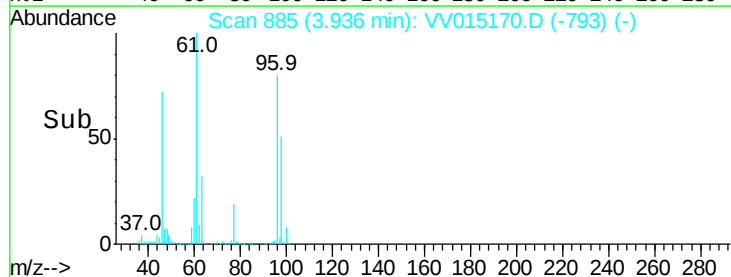
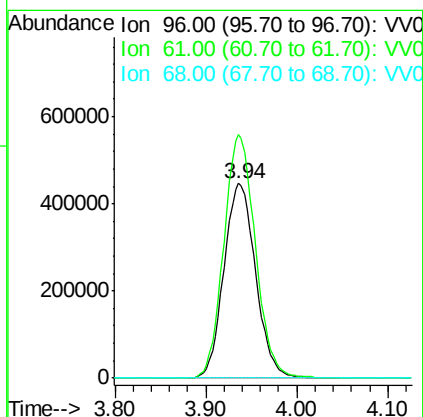
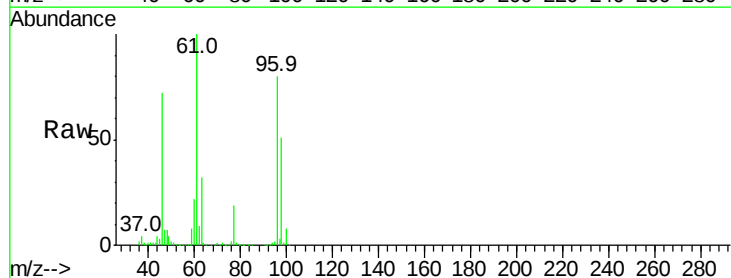
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20066

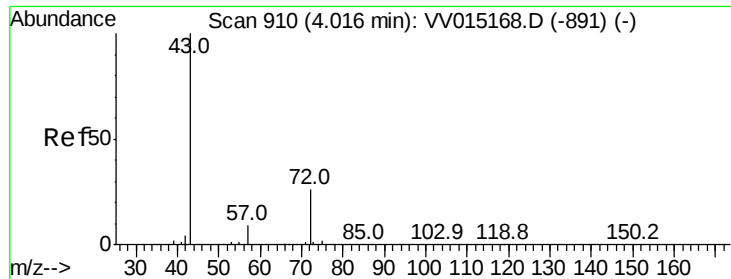
Tgt Ion: 63 Resp: 1753238
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.2 41.2
 83 13.8 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 191.522 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015170.D
 Acq: 26 Mar 2020 14:20

Tgt Ion: 96 Resp: 1080166
 Ion Ratio Lower Upper
 96 100
 61 125.2 90.2 167.4
 68 0.0 0.1 0.3#





#22

2-Butanone

Concen: 356.344 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.01 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

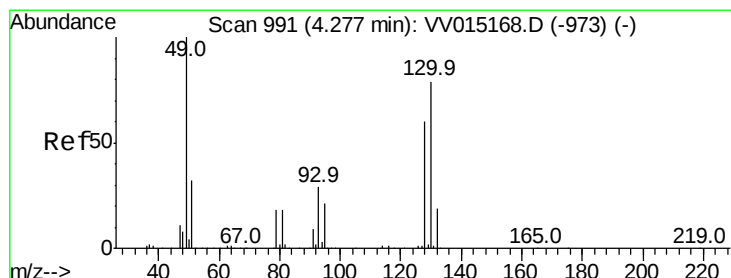
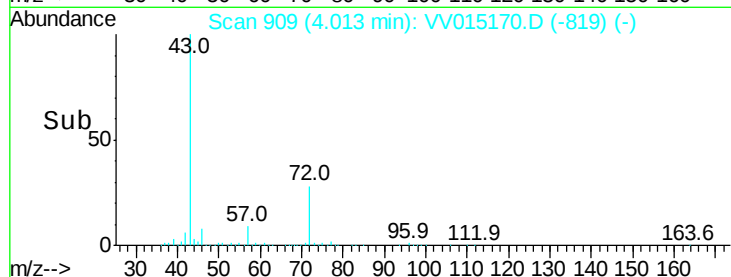
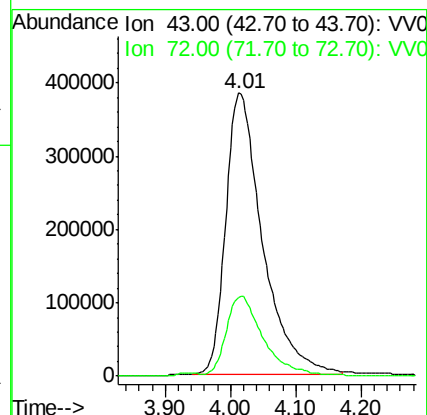
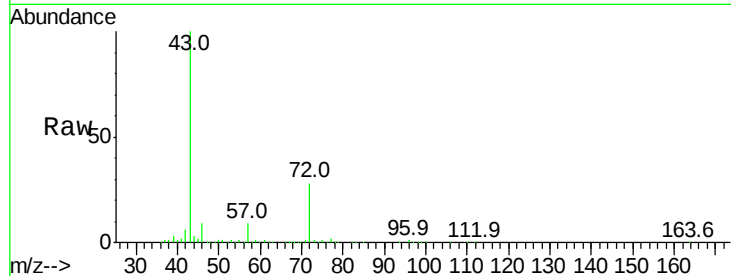
VSTD20066

Tgt Ion: 43 Resp: 1496174

Ion Ratio Lower Upper

43 100

72 27.4 13.0 38.9



#23

Bromochloromethane

Concen: 196.970 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Tgt Ion:128 Resp: 537439

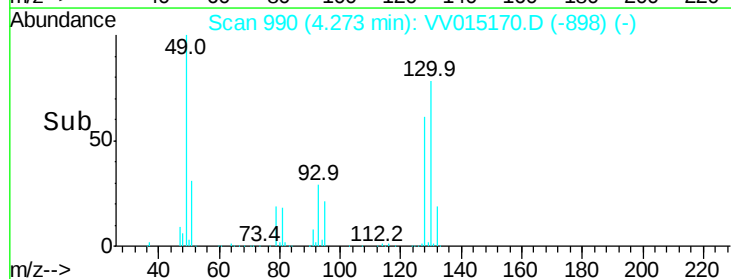
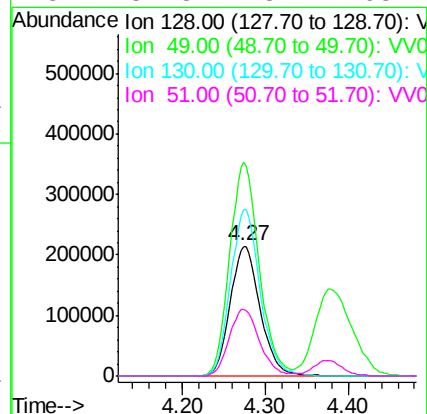
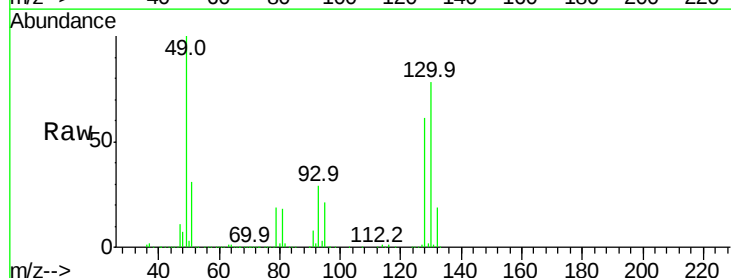
Ion Ratio Lower Upper

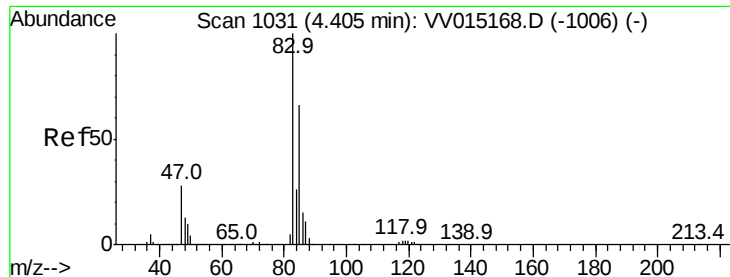
128 100

49 165.0 116.5 216.3

130 128.6 91.4 169.8

51 51.8 43.4 65.2

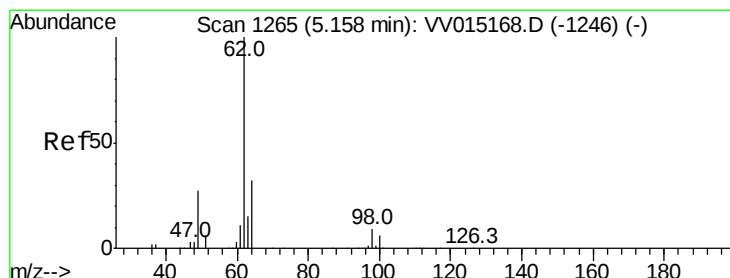
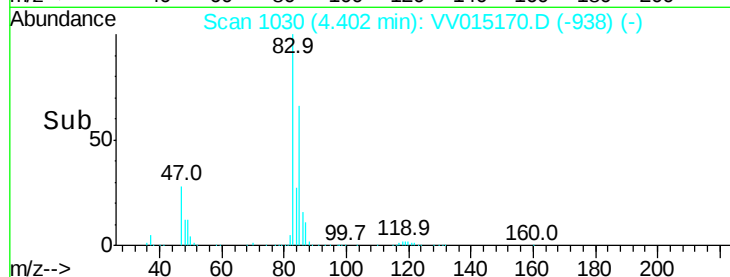
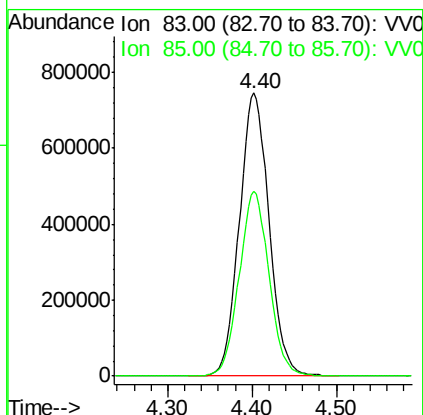
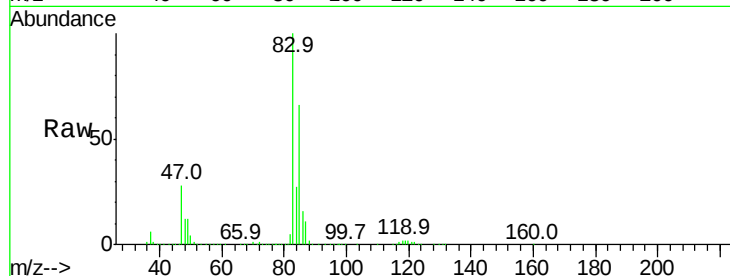




#25
Chloroform
Concen: 189.375 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

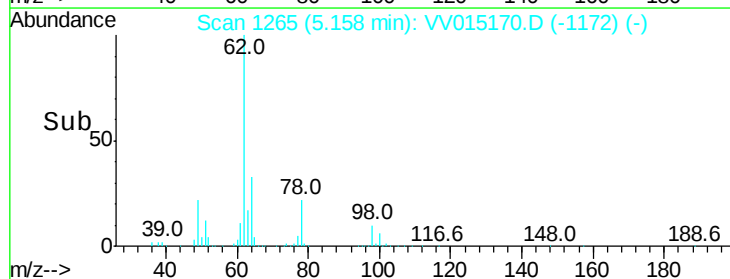
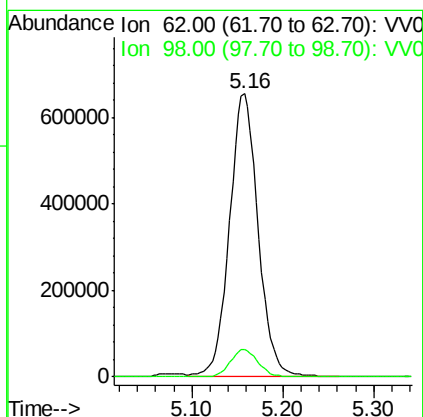
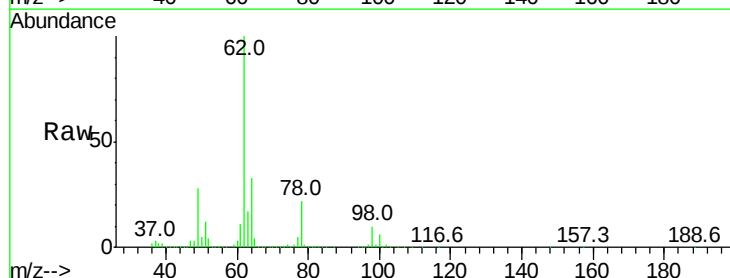
Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

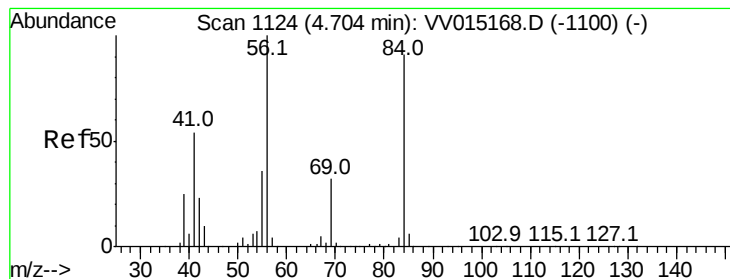
Tgt Ion: 83 Resp: 1824576
Ion Ratio Lower Upper
83 100
85 65.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 187.187 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

Tgt Ion: 62 Resp: 1429810
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.2





#29

Cyclohexane

Concen: 187.444 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

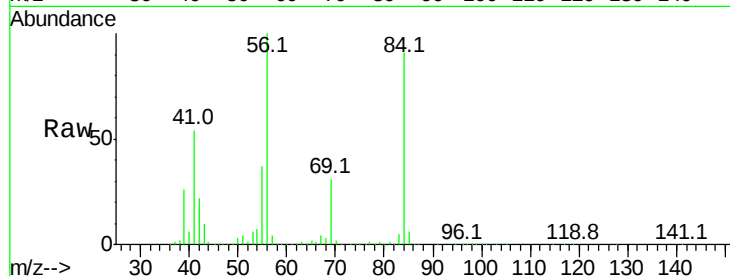
Tgt Ion: 56 Resp: 1631394

Ion Ratio Lower Upper

56 100

69 31.7 25.5 38.3

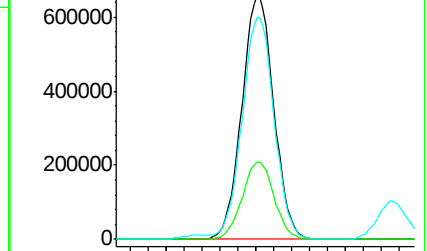
84 91.5 73.3 109.9



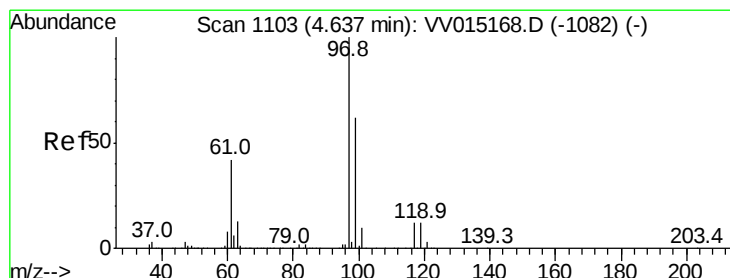
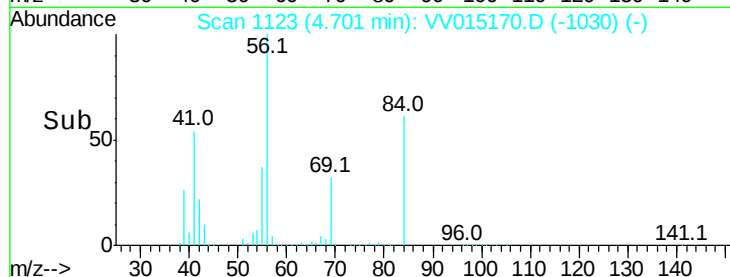
Abundance Ion 56.00 (55.70 to 56.70): VV015170.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV015170.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV015170.D (-1030) (-)



Time-->



#30

1,1,1-Trichloroethane

Concen: 188.907 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

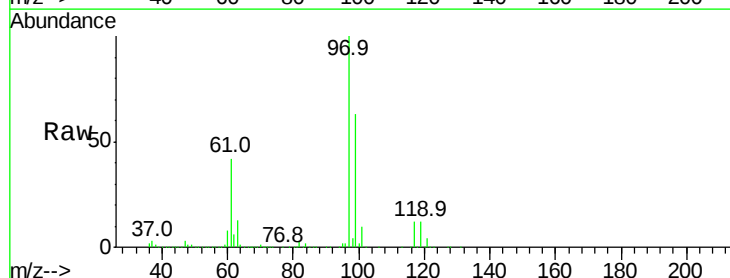
Tgt Ion: 97 Resp: 1701154

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

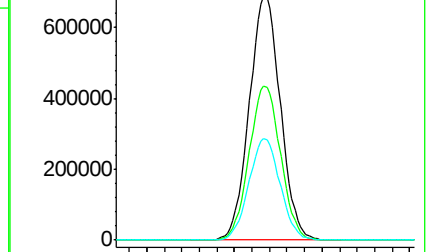
61 42.1 33.8 50.6



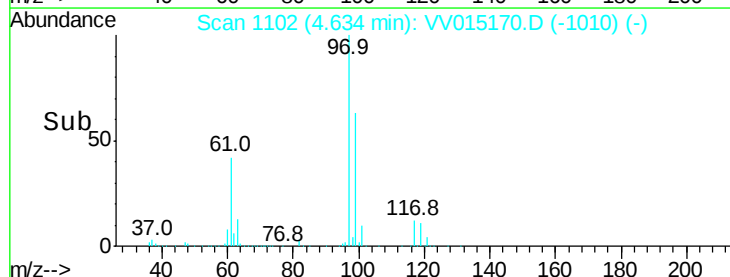
Abundance Ion 97.00 (96.70 to 97.70): VV015170.D (-1010) (-)

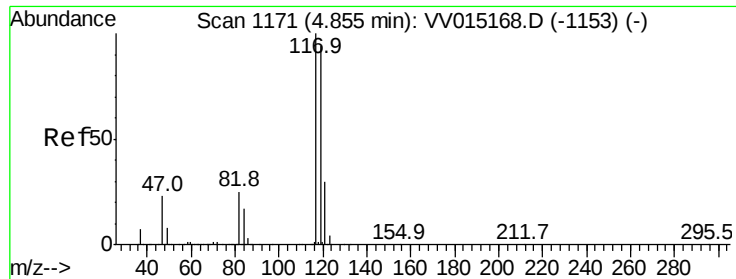
Ion 99.00 (98.70 to 99.70): VV015170.D (-1010) (-)

Ion 61.05 (60.75 to 61.75): VV015170.D (-1010) (-)



Time-->





#31

Carbon tetrachloride

Concen: 191.036 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

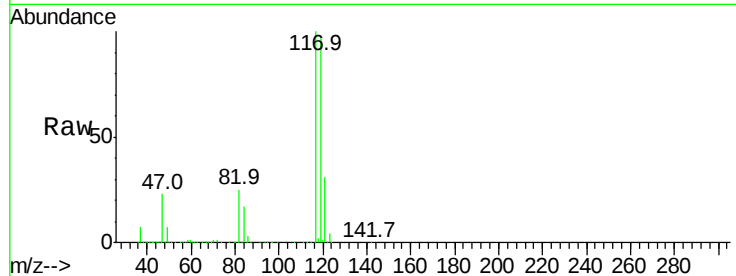
VSTD20066

Tgt Ion:117 Resp: 1446045

Ion Ratio Lower Upper

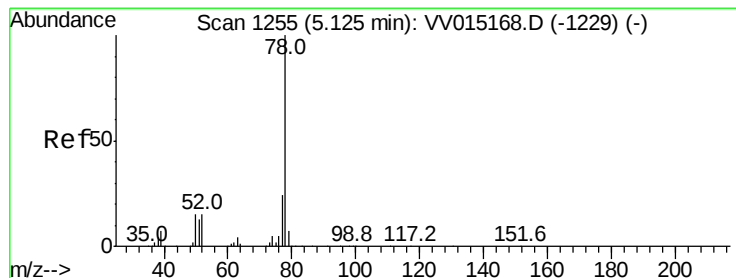
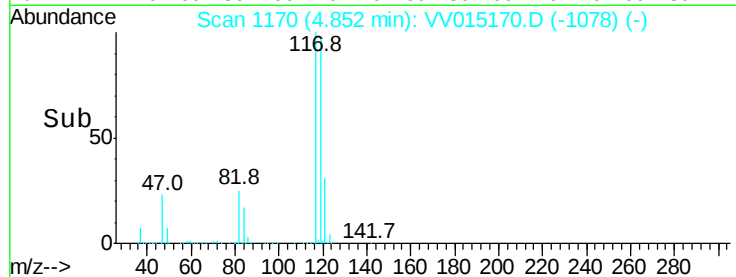
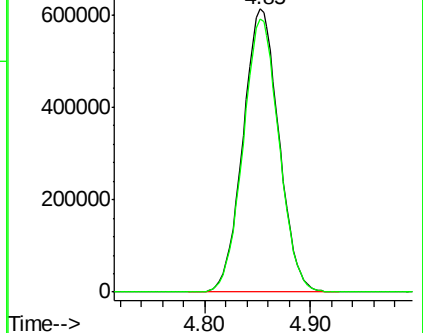
117 100

119 96.6 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 189.339 ug/L

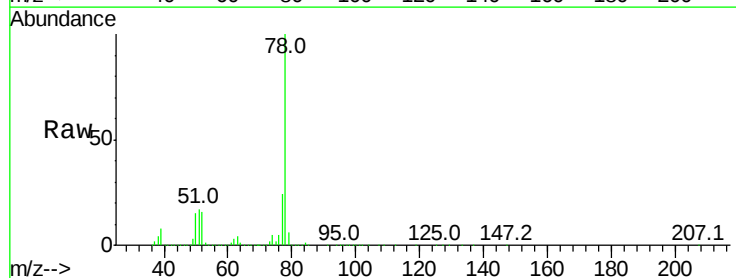
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

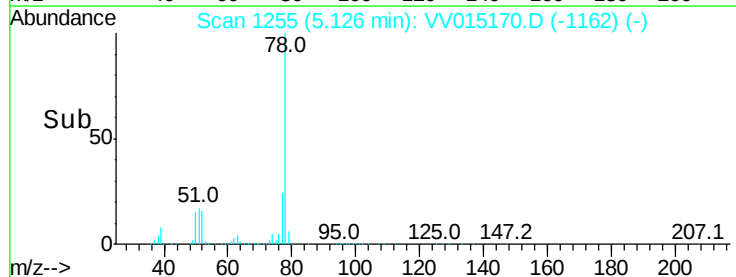
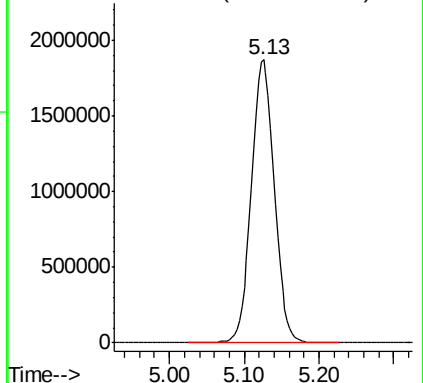
Lab File: VV015170.D

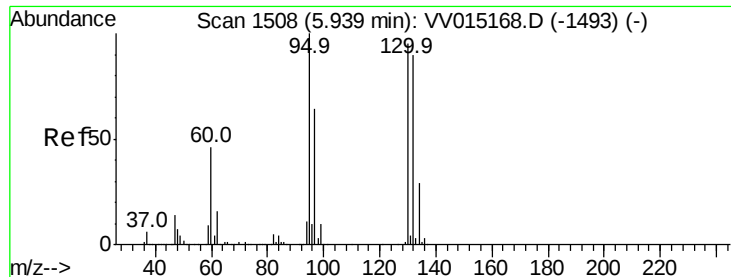
Acq: 26 Mar 2020 14:20

Tgt Ion: 78 Resp: 4008456



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 193.157 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

Tgt Ion: 95 Resp: 1065264

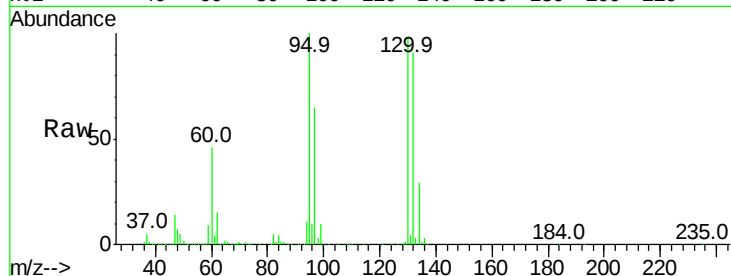
Ion Ratio Lower Upper

95 100

97 64.6 44.8 83.2

132 90.8 63.2 117.4

130 98.3 66.8 124.0

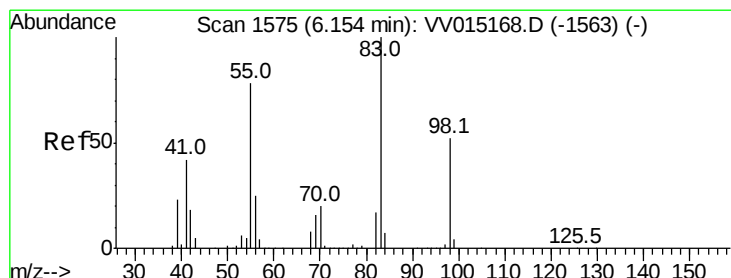
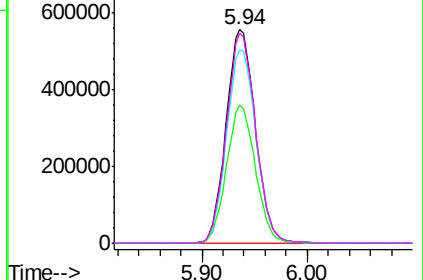
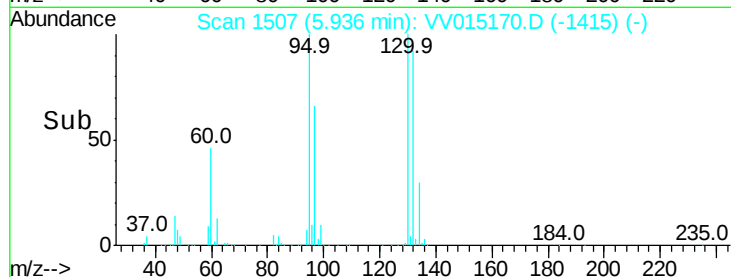


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 187.788 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

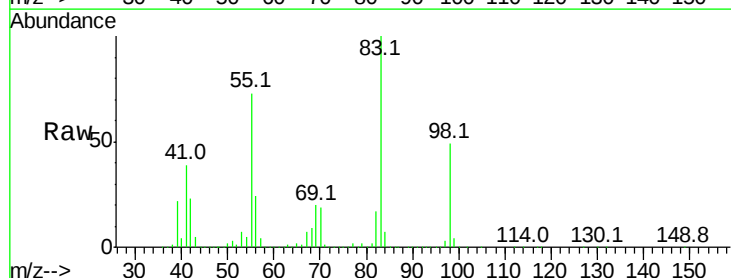
Tgt Ion: 83 Resp: 1721048

Ion Ratio Lower Upper

83 100

55 72.9 58.8 88.2

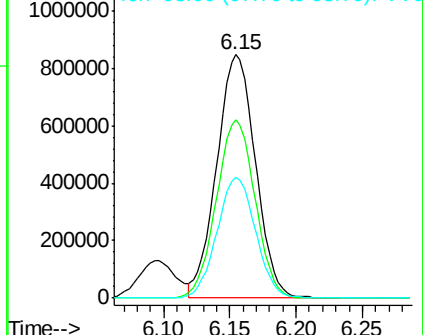
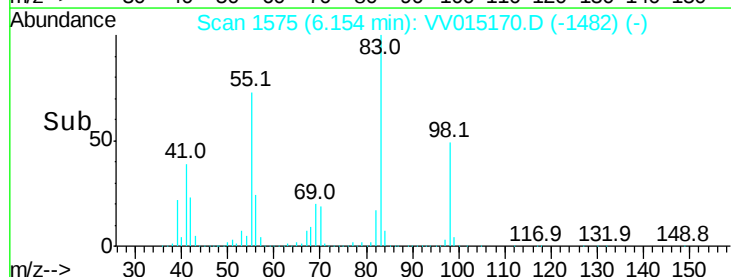
98 49.5 38.8 58.2

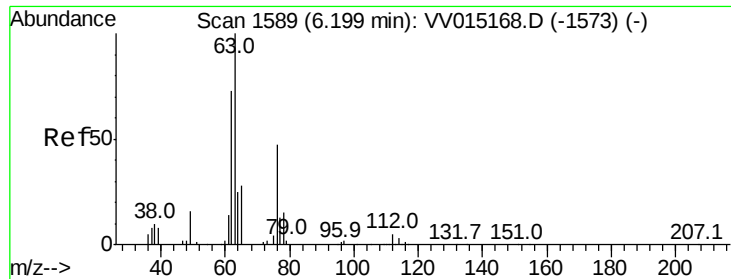


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 186.799 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

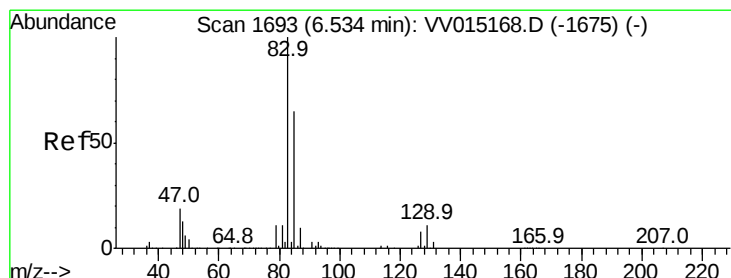
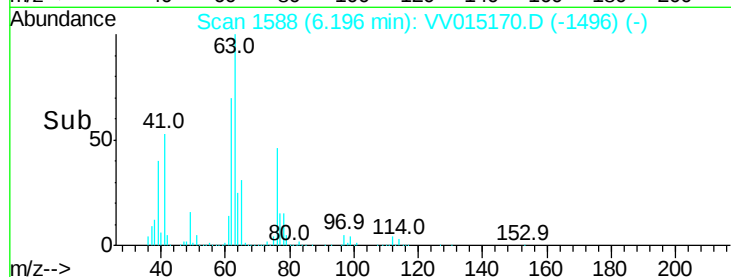
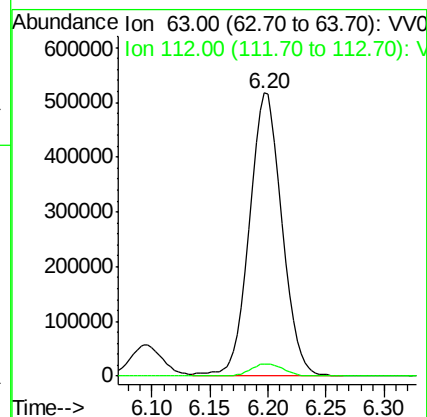
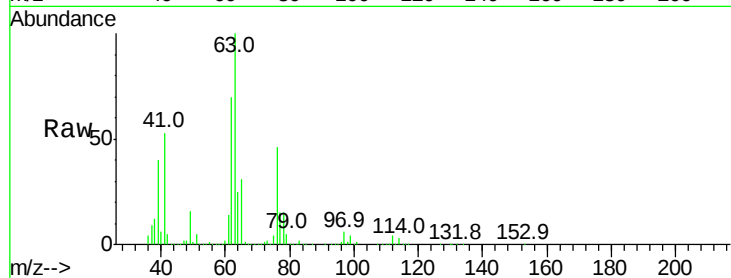
Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tgt Ion: 63 Resp: 1011123

Ion	Ratio	Lower	Upper
63	100		
112	4.4	3.5	5.3



#38

Bromodichloromethane

Concen: 189.117 ug/L

RT: 6.53 min Scan# 1693

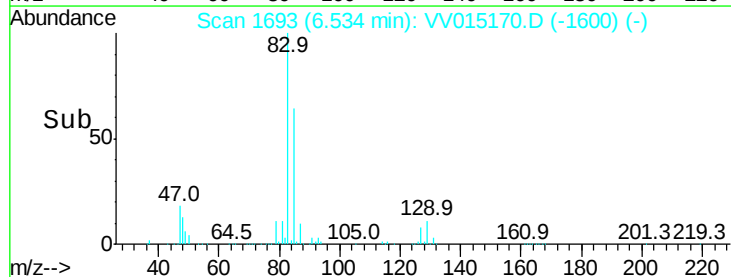
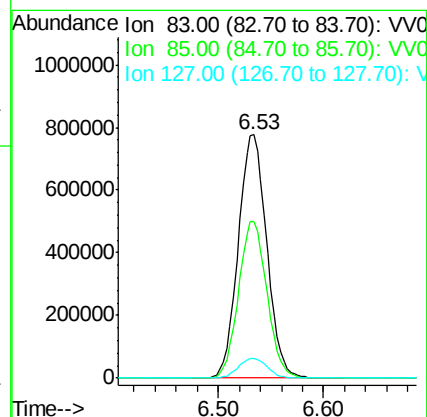
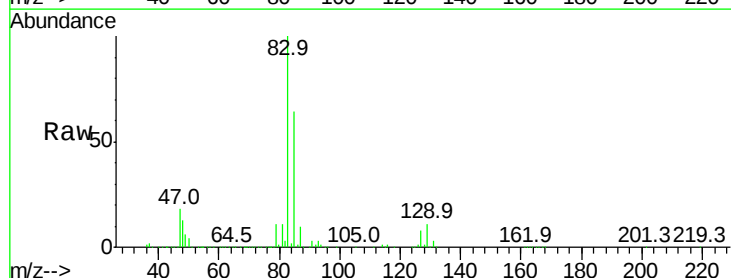
Delta R.T. -0.00 min

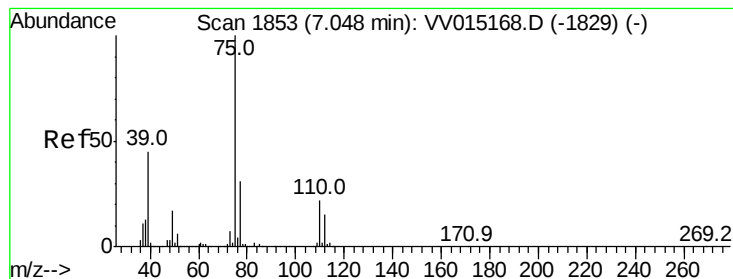
Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Tgt Ion: 83 Resp: 1450753

Ion	Ratio	Lower	Upper
83	100		
85	64.3	45.3	84.1
127	8.1	6.6	10.0



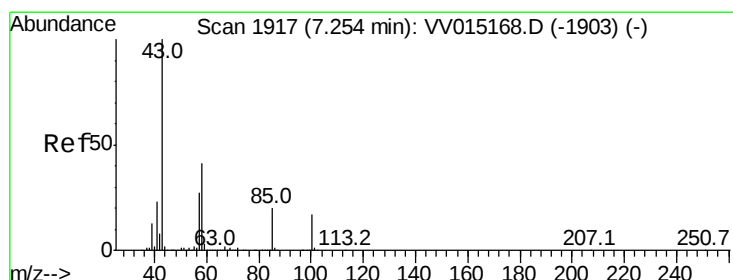
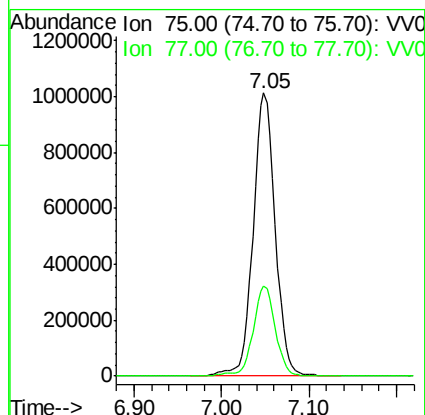
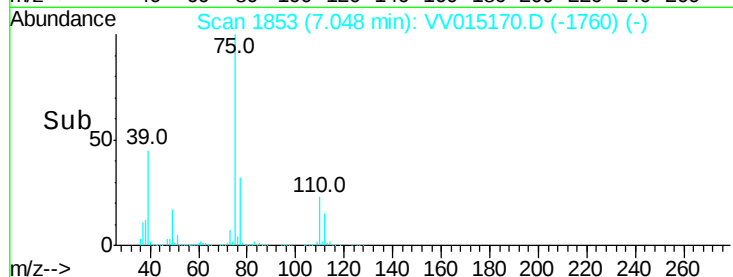
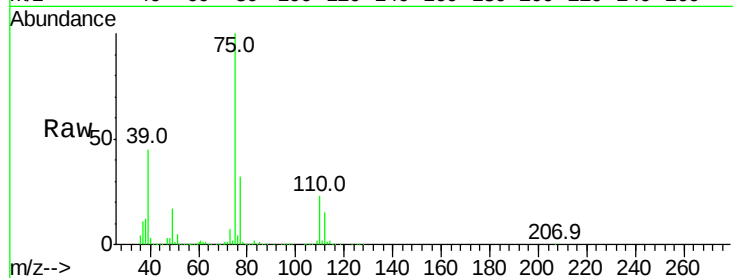


#39

cis-1,3-Dichloropropene
Concen: 195.573 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

Instrument :
MSVOA_V
ClientSampled :
VSTD20066

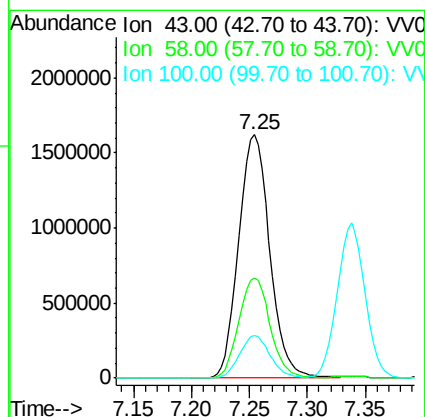
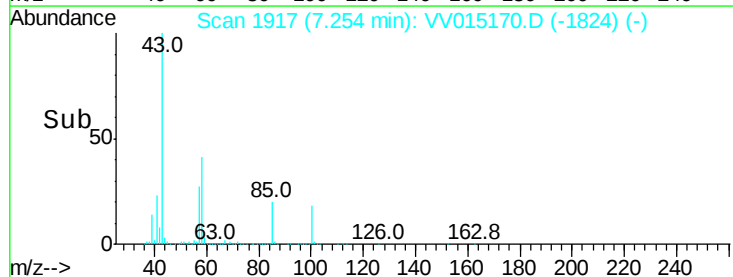
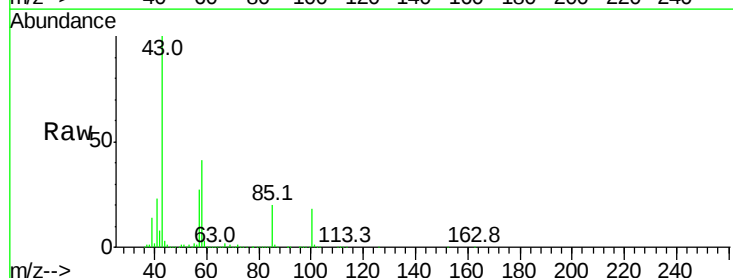
Tgt Ion: 75 Resp: 1769471
Ion Ratio Lower Upper
75 100
77 31.7 21.7 40.3

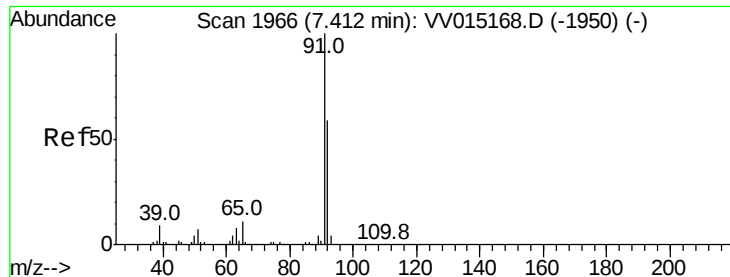


#40

4-Methyl-2-pentanone
Concen: 370.515 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

Tgt Ion: 43 Resp: 3024420
Ion Ratio Lower Upper
43 100
58 41.5 32.5 48.7
100 17.3 13.4 20.2





#42

Toluene

Concen: 189.652 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

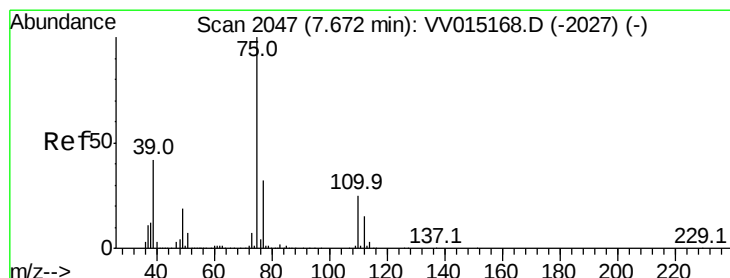
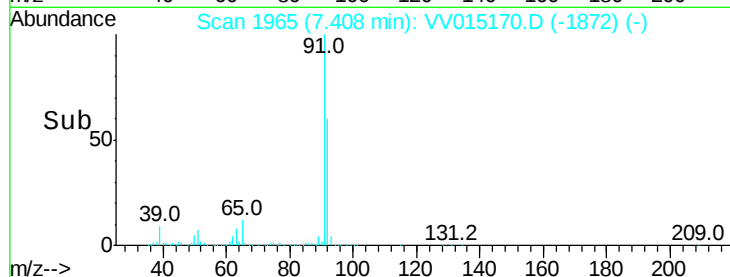
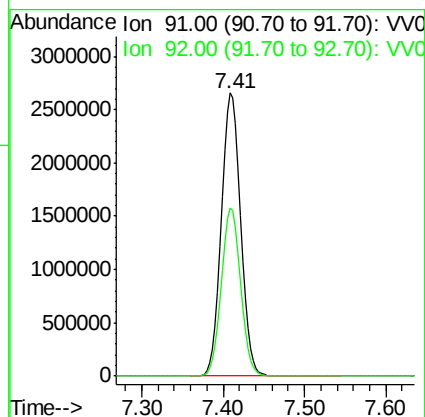
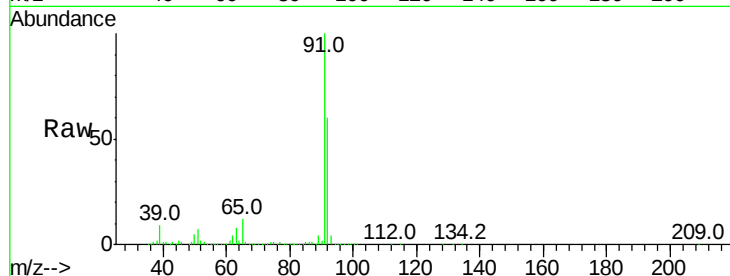
VSTD20066

Tgt Ion: 91 Resp: 4479373

Ion Ratio Lower Upper

91 100

92 59.6 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 196.769 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015170.D

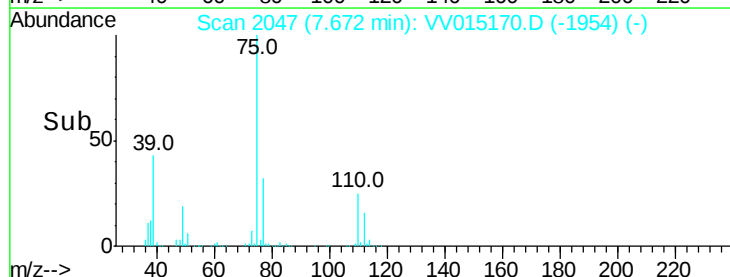
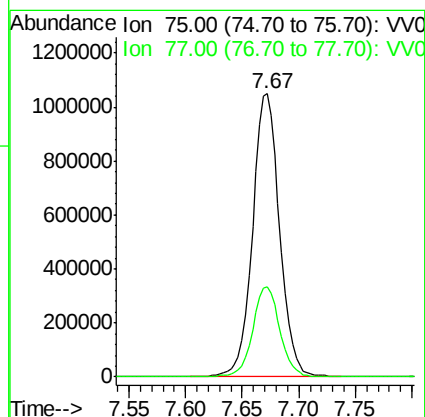
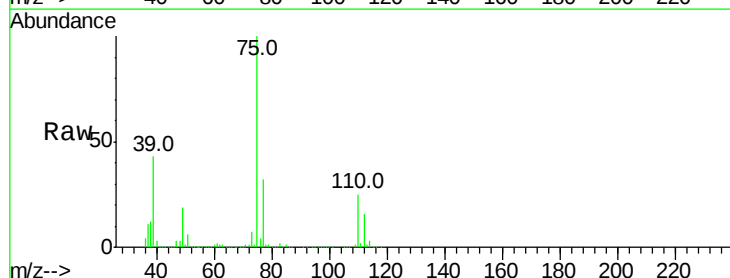
Acq: 26 Mar 2020 14:20

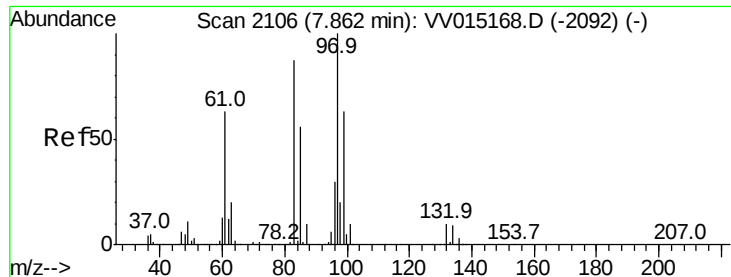
Tgt Ion: 75 Resp: 1738158

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



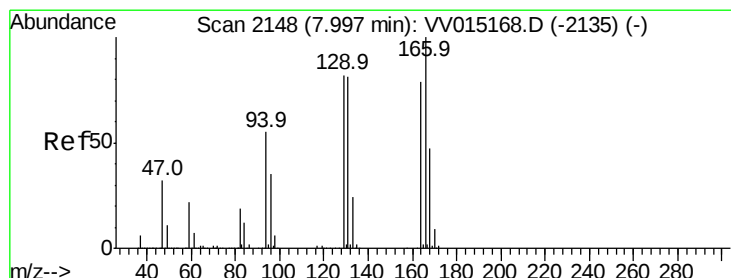
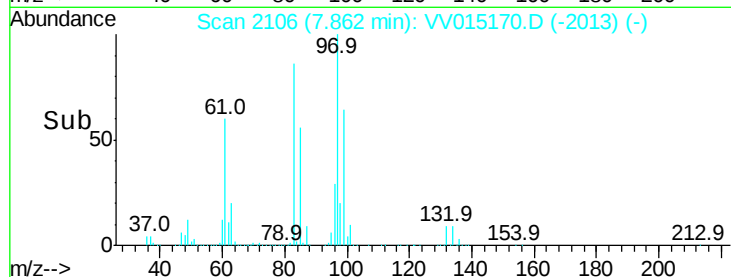
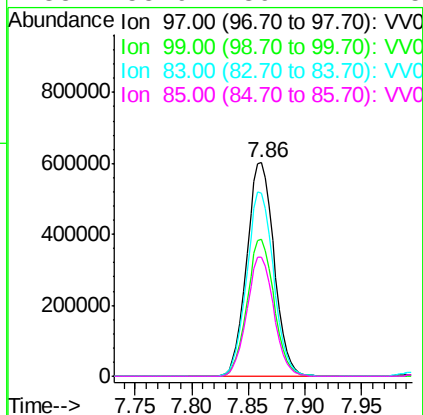
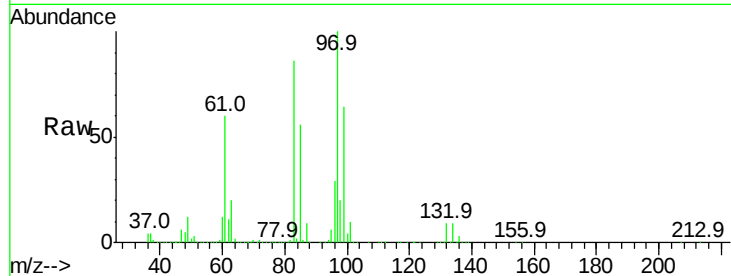


#45
 1,1,2-Trichloroethane
 Concen: 192.058 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015170.D
 Acq: 26 Mar 2020 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

Tgt Ion: 97 Resp: 1017666

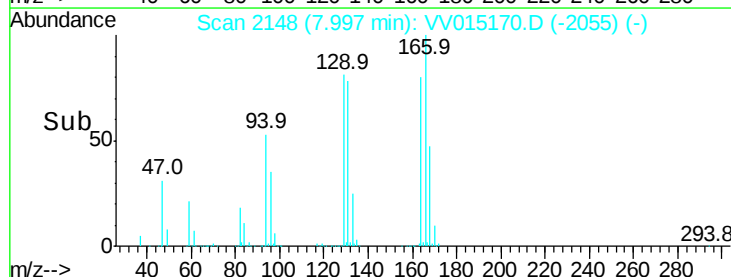
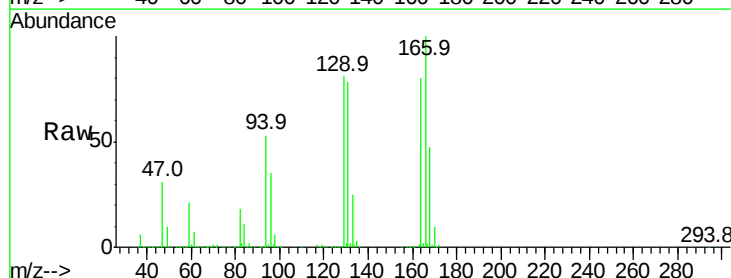
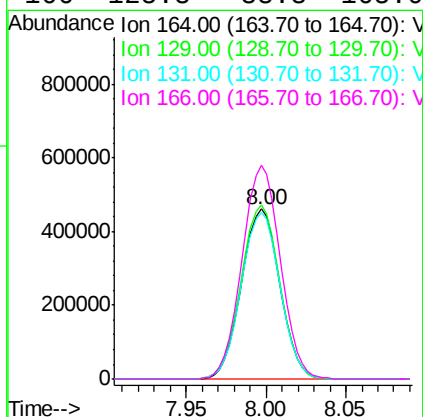
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.3	82.3
83	85.9	60.5	112.5
85	55.9	39.1	72.5

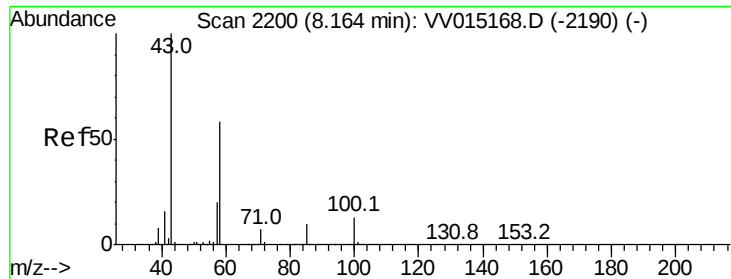


#46
 Tetrachloroethene
 Concen: 203.959 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015170.D
 Acq: 26 Mar 2020 14:20

Tgt Ion: 164 Resp: 755917

Ion	Ratio	Lower	Upper
164	100		
129	102.4	72.7	135.1
131	98.3	71.6	133.0
166	125.8	88.8	165.0

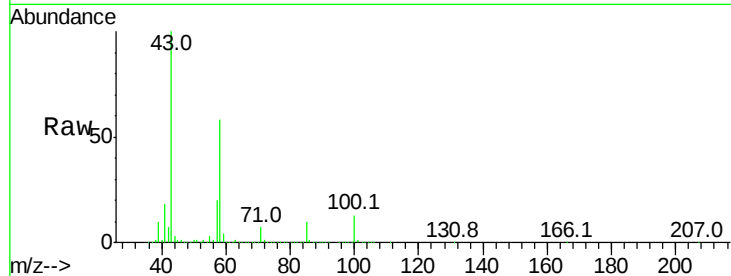




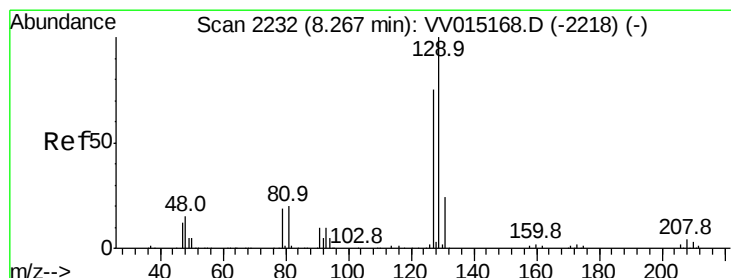
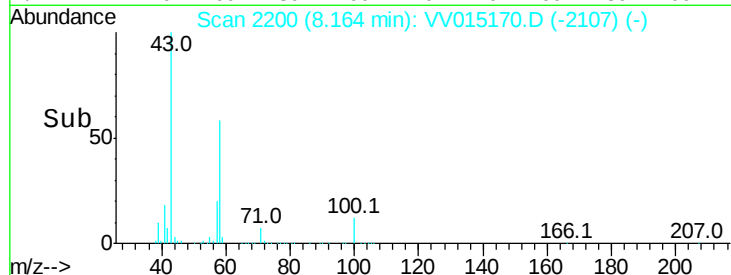
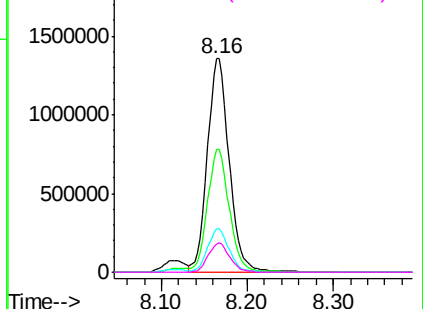
#48
2-Hexanone
Concen: 372.538 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD20066

Tgt Ion: 43 Resp: 2401335
Ion Ratio Lower Upper
43 100
58 57.7 44.3 66.5
57 19.9 15.4 23.0
100 13.6 10.4 15.6

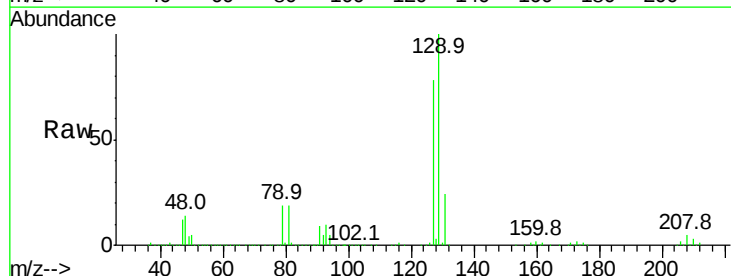


Abundance Ion 43.00 (42.70 to 43.70): VV015170.D (-2107) (-)
Ion 58.00 (57.70 to 58.70): VV015170.D (-2107) (-)
Ion 57.00 (56.70 to 57.70): VV015170.D (-2107) (-)
Ion 100.00 (99.70 to 100.70): VV015170.D (-2107) (-)

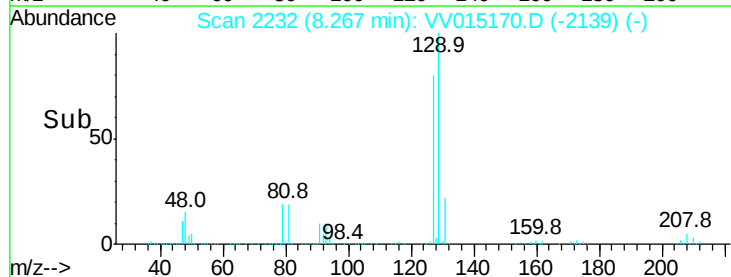
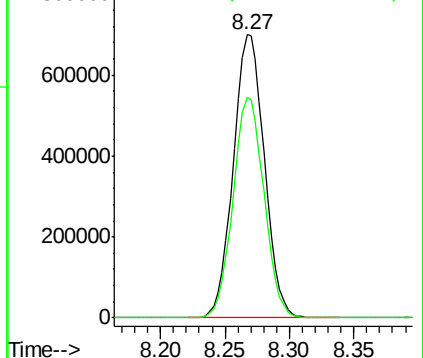


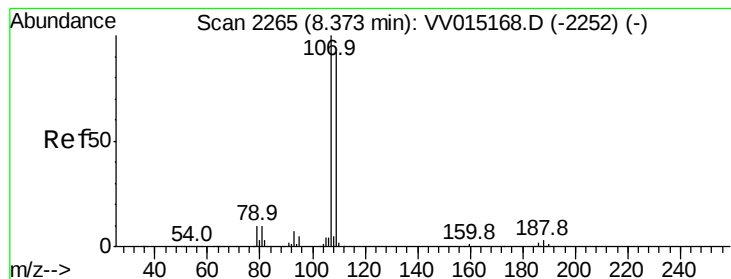
#49
Dibromochloromethane
Concen: 200.956 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015170.D
Acq: 26 Mar 2020 14:20

Tgt Ion: 129 Resp: 1173207
Ion Ratio Lower Upper
129 100
127 78.0 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): VV015170.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015170.D (-2139) (-)





#50

1,2-Dibromoethane

Concen: 194.202 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

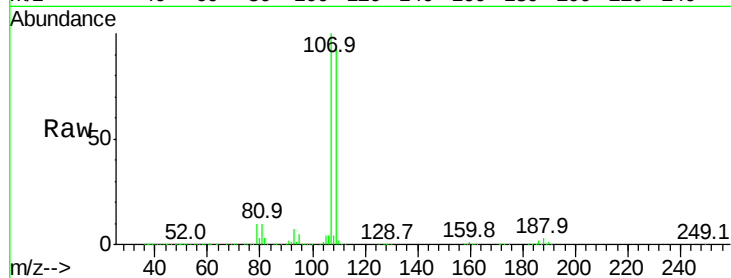
Tgt Ion:107 Resp: 1120090

Ion Ratio Lower Upper

107 100

109 92.7 64.5 119.9

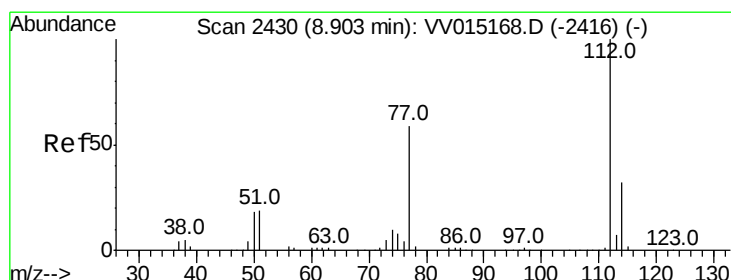
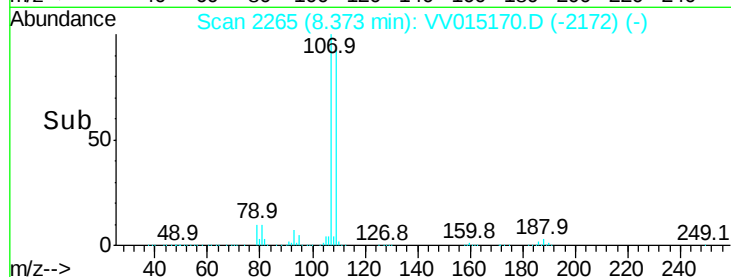
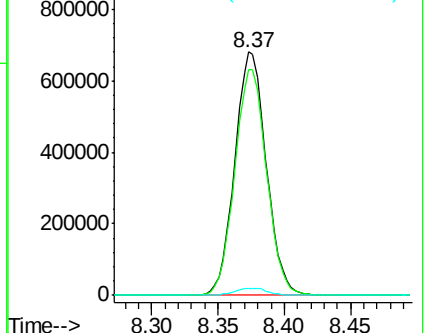
188 3.0 2.5 3.7



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: 191.820 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

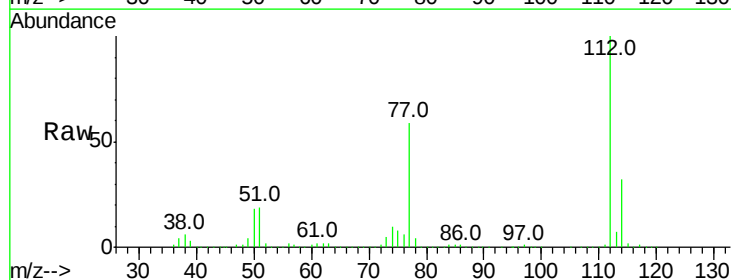
Tgt Ion:112 Resp: 2893862

Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

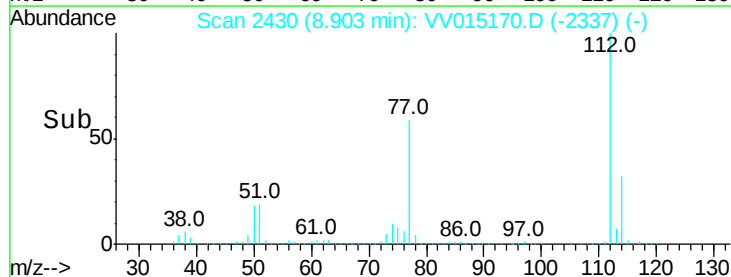
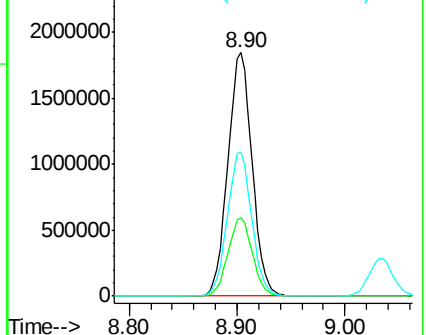
77 59.1 47.3 70.9

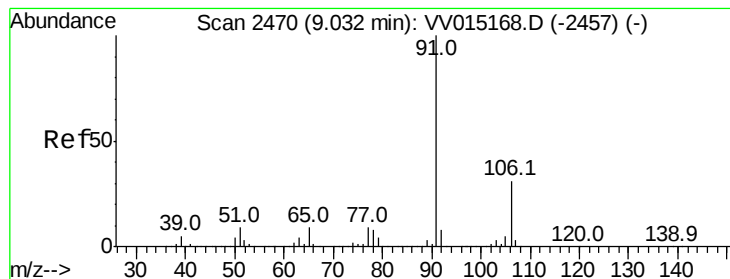


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 191.766 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

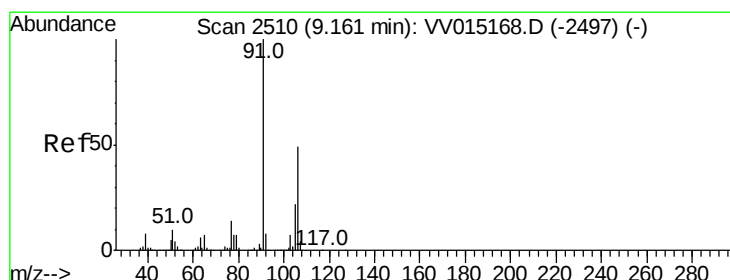
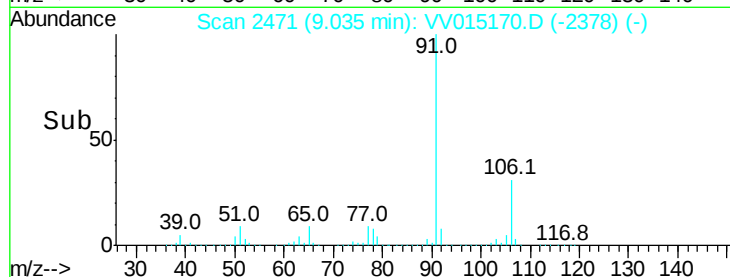
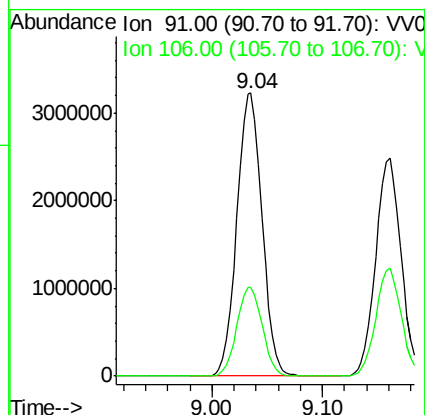
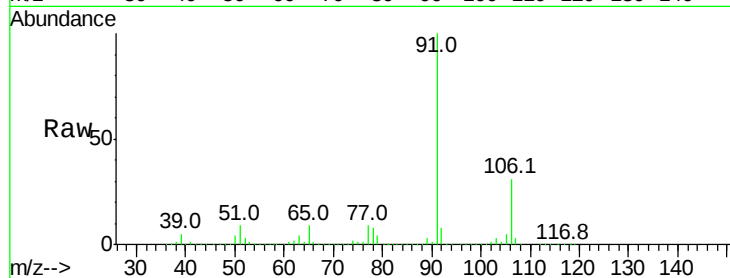
VSTD20066

Tgt Ion: 91 Resp: 5102995

Ion Ratio Lower Upper

91 100

106 31.4 21.8 40.4



#53

m,p-Xylene

Concen: 195.098 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015170.D

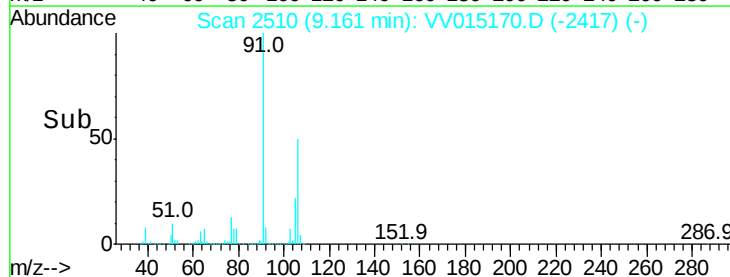
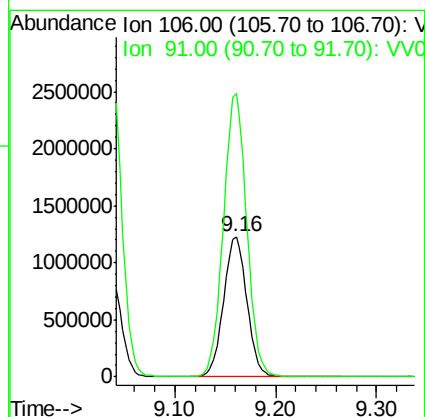
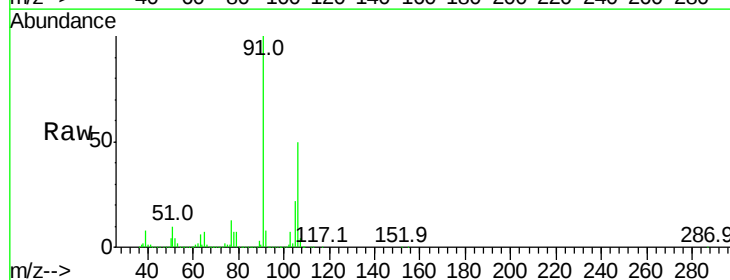
Acq: 26 Mar 2020 14:20

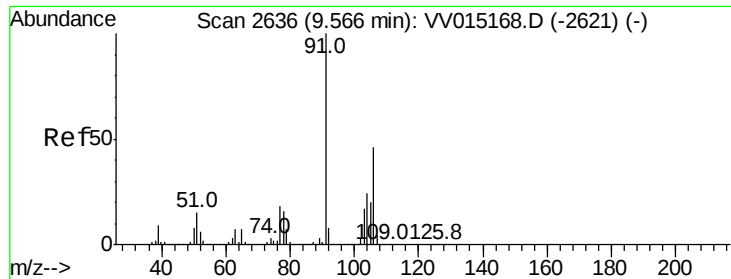
Tgt Ion: 106 Resp: 1980643

Ion Ratio Lower Upper

106 100

91 201.9 142.3 264.3





#54

o-xylene

Concen: 190.833 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

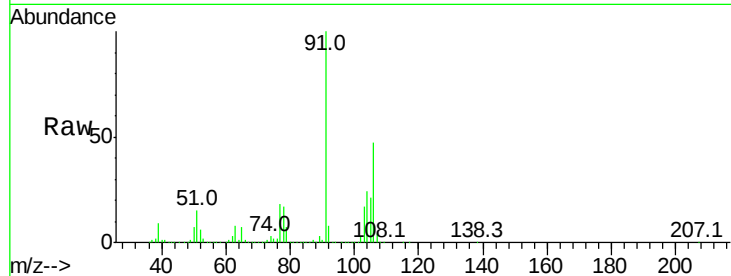
VSTD20066

Tgt Ion:106 Resp: 1945918

Ion Ratio Lower Upper

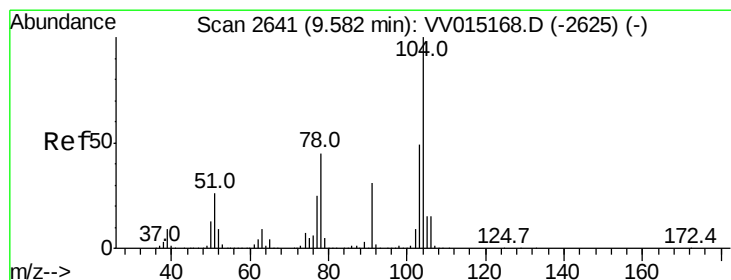
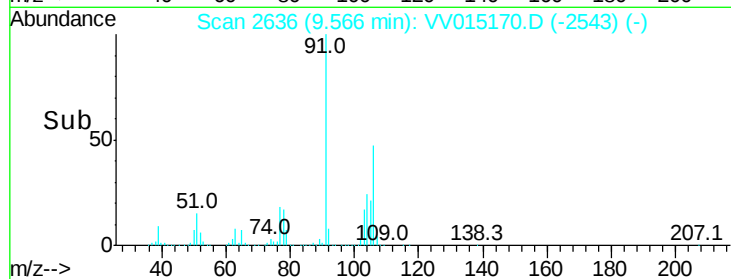
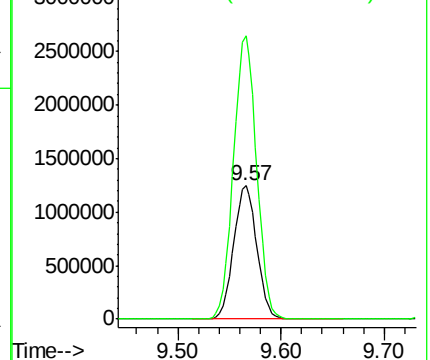
106 100

91 212.5 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 194.645 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015170.D

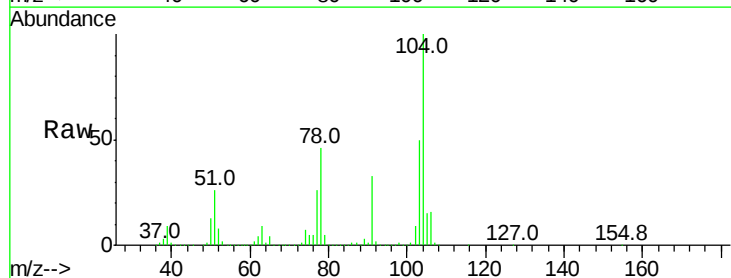
Acq: 26 Mar 2020 14:20

Tgt Ion:104 Resp: 3358035

Ion Ratio Lower Upper

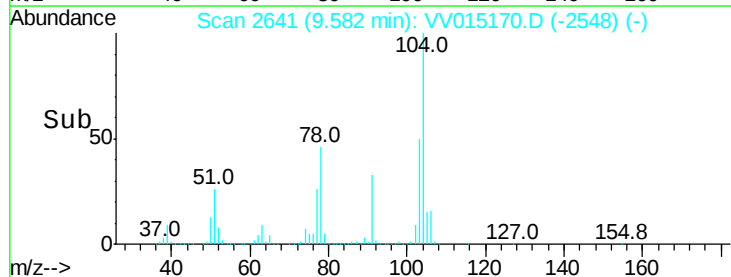
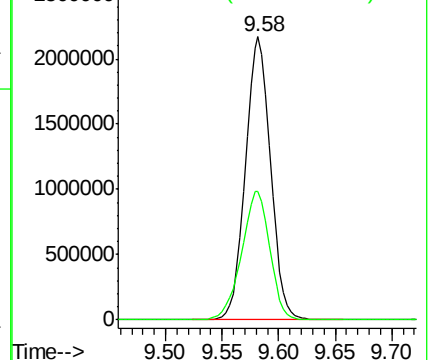
104 100

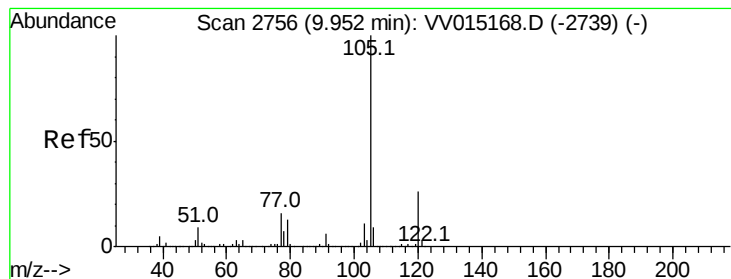
78 45.5 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 193.379 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

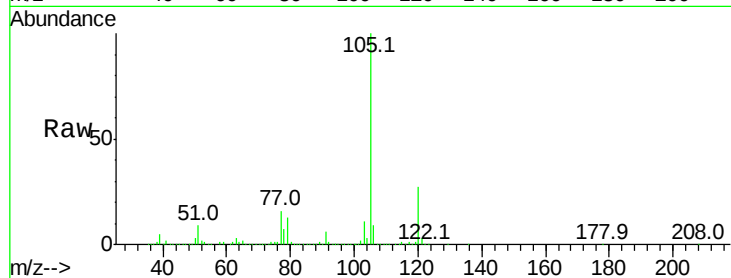
Tgt Ion:105 Resp: 5062490

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.4

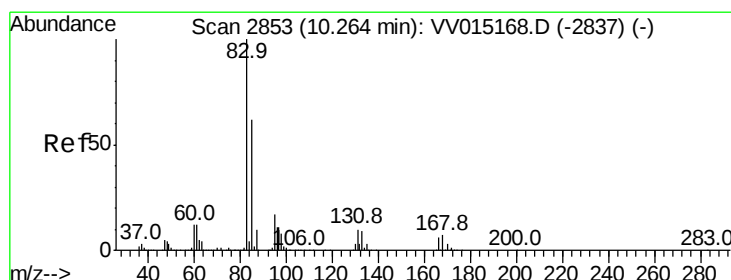
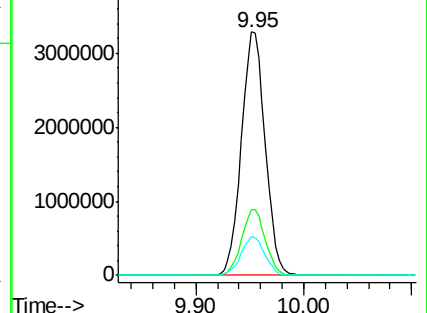
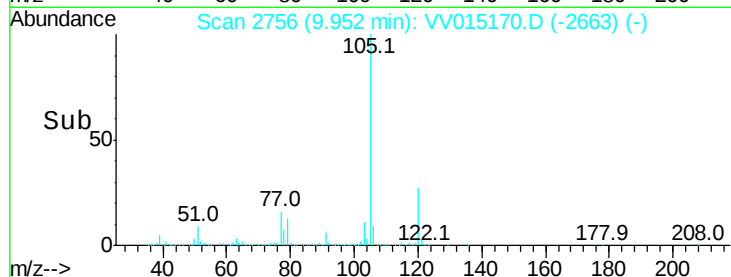
77 15.8 12.9 19.3



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: 188.391 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

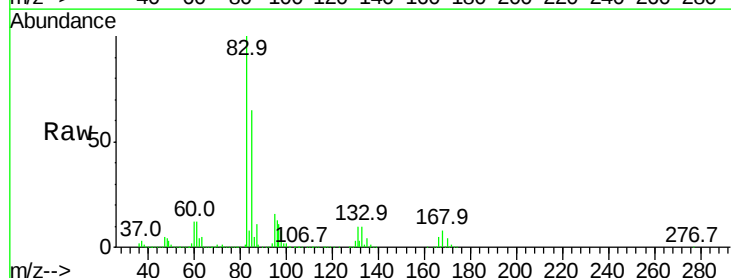
Tgt Ion: 83 Resp: 1682619

Ion Ratio Lower Upper

83 100

85 65.4 43.7 81.1

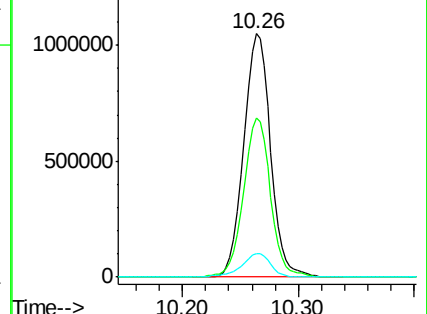
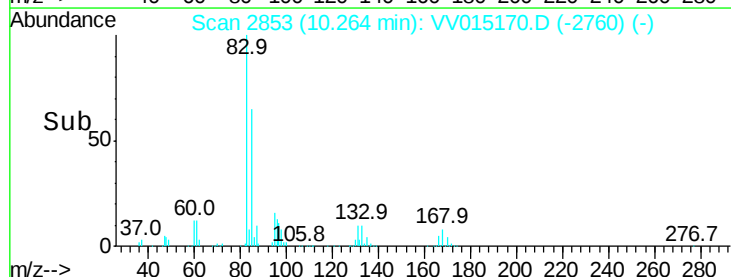
131 9.6 7.8 11.8

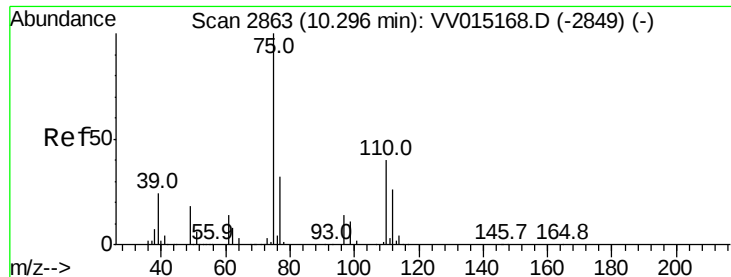


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 187.250 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

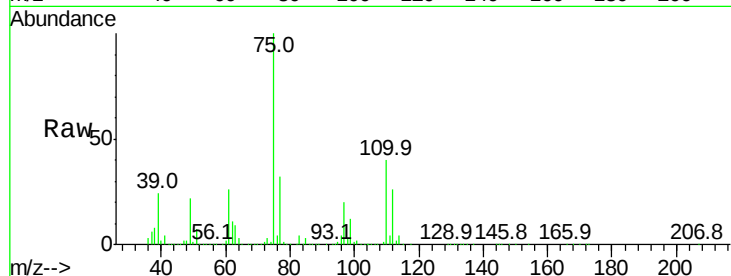
VSTD20066

Tgt Ion: 75 Resp: 1346462

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV015170.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015170.D (-2241) (-)

10.30

800000

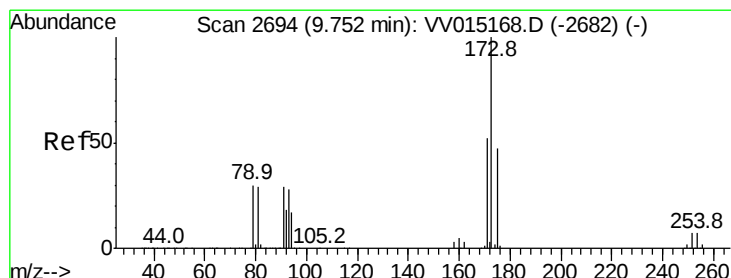
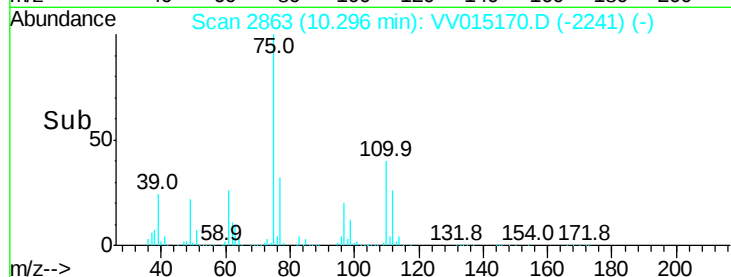
600000

400000

200000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 202.679 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

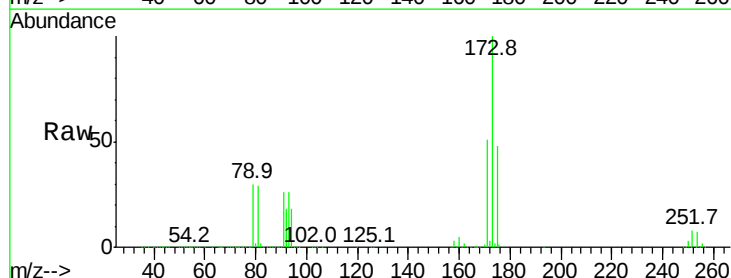
Tgt Ion: 173 Resp: 809123

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 7.5 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VV015170.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV015170.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV015170.D (-2601) (-)

9.75

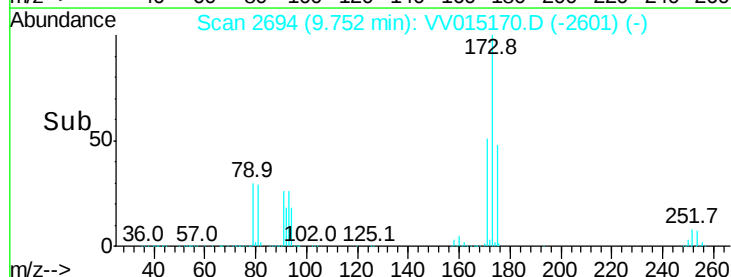
600000

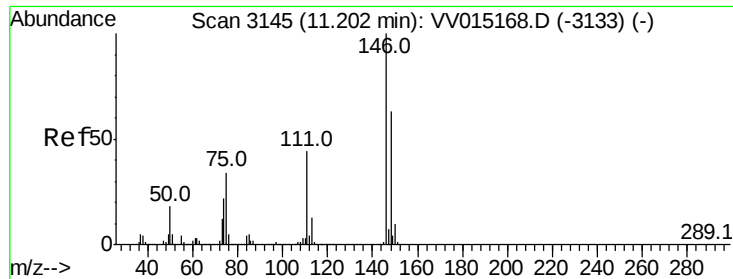
400000

200000

0

Time--> 9.65 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 190.845 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

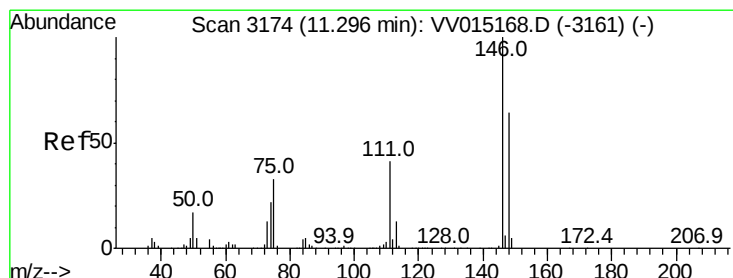
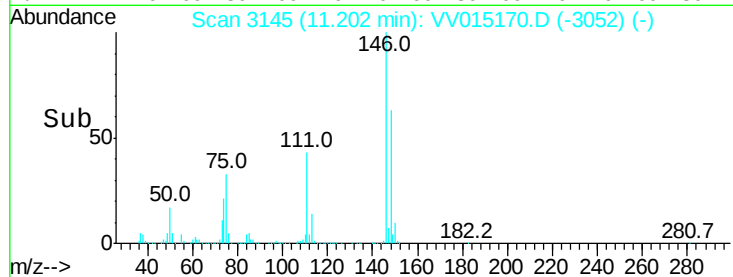
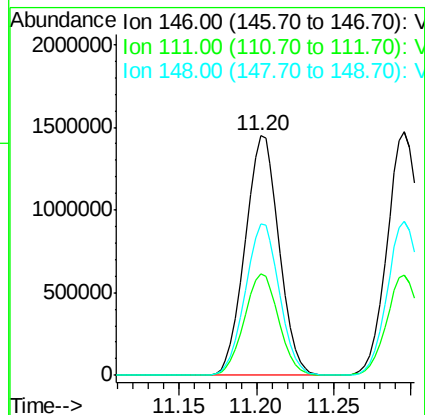
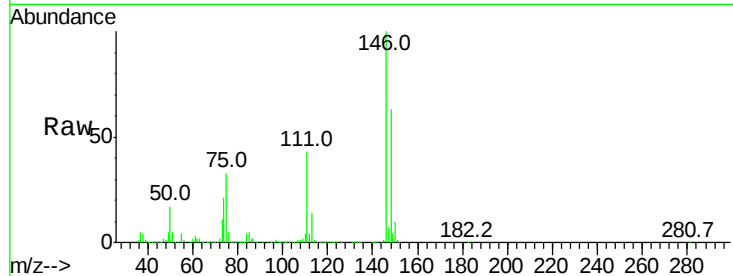
Tgt Ion:146 Resp: 2217247

Ion Ratio Lower Upper

146 100

111 42.5 30.5 56.7

148 63.2 44.0 81.6



#63

1,4-Dichlorobenzene

Concen: 188.972 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

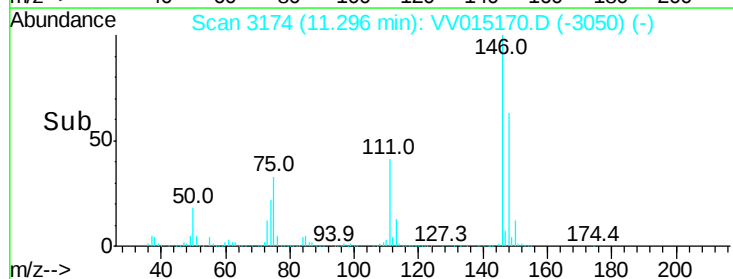
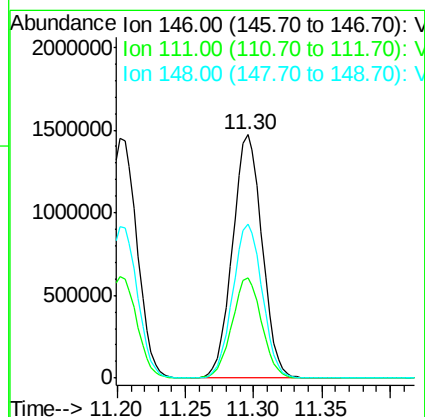
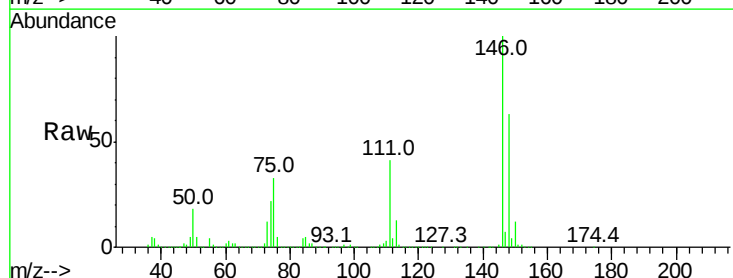
Tgt Ion:146 Resp: 2217850

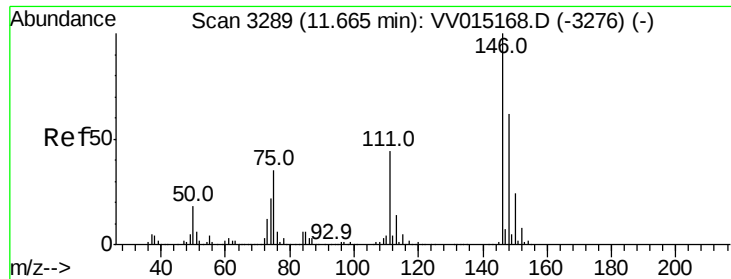
Ion Ratio Lower Upper

146 100

111 40.9 29.2 54.2

148 63.3 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 187.333 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

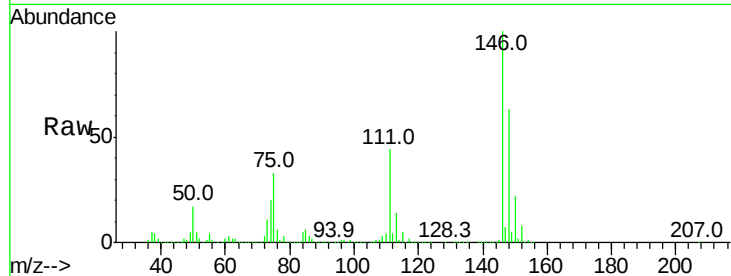
Tgt Ion:146 Resp: 2206637

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.2

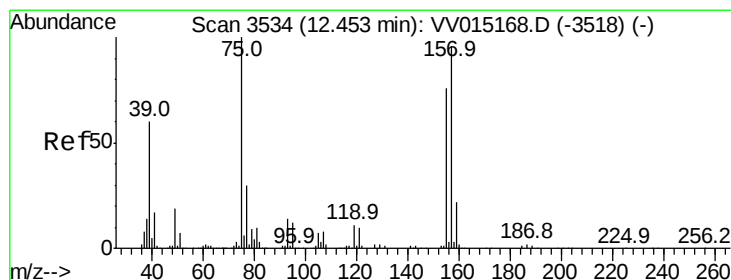
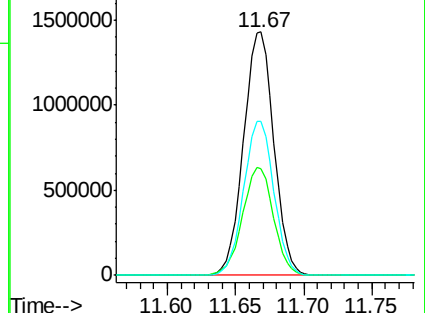
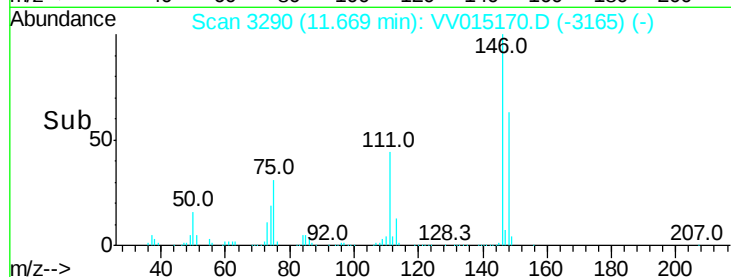
148 63.0 49.7 74.5



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: 178.233 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

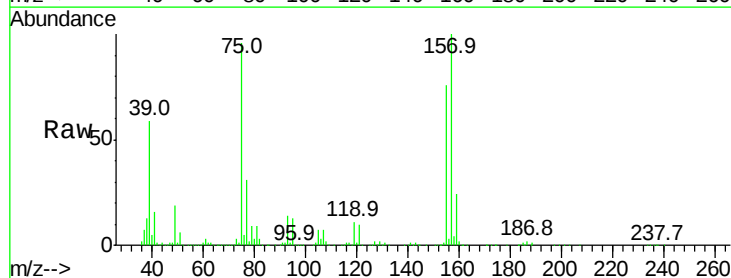
Tgt Ion: 75 Resp: 466442

Ion Ratio Lower Upper

75 100

155 79.1 60.5 90.7

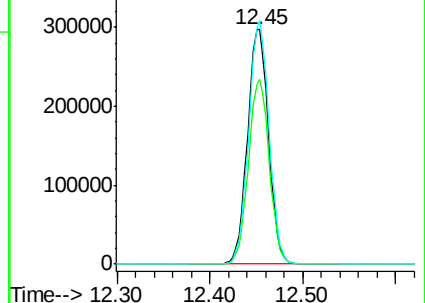
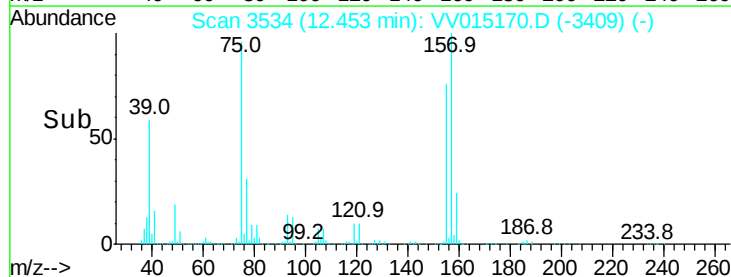
157 103.9 76.7 115.1

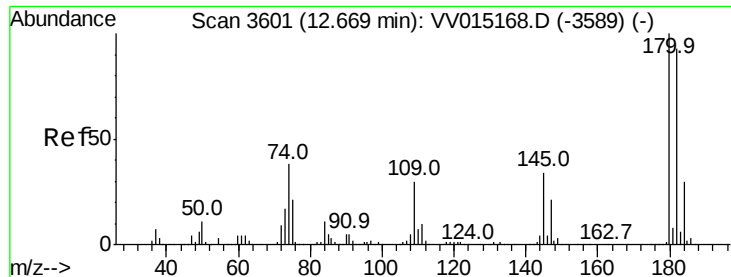


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

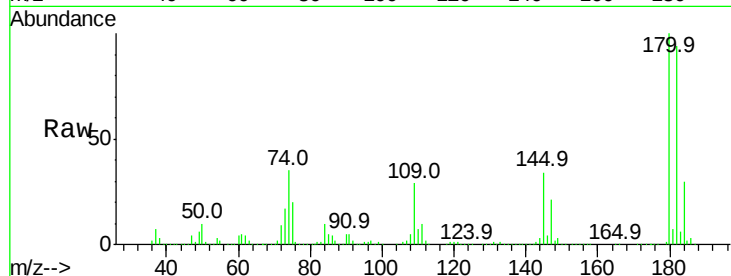




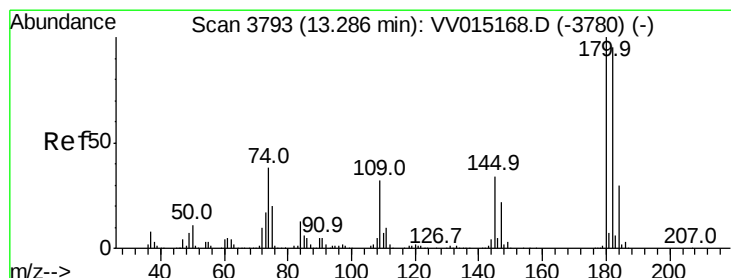
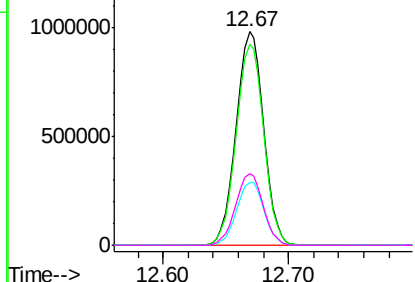
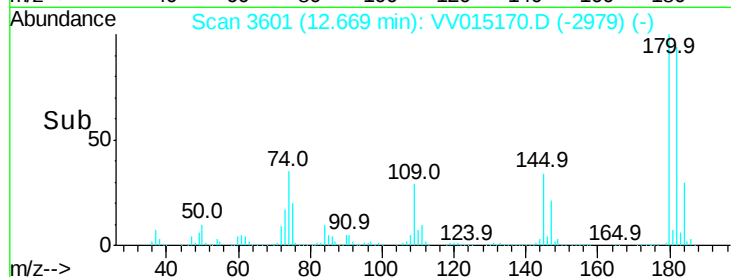
#67
 1,3,5-Trichlorobenzene
 Concen: 201.297 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015170.D
 Acq: 26 Mar 2020 14:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20066

Tgt Ion:180 Resp: 1496478
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 114.8
 184 29.6 24.2 36.4
 145 33.5 27.6 41.4

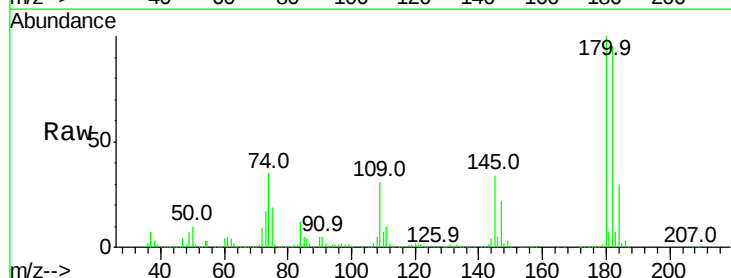


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

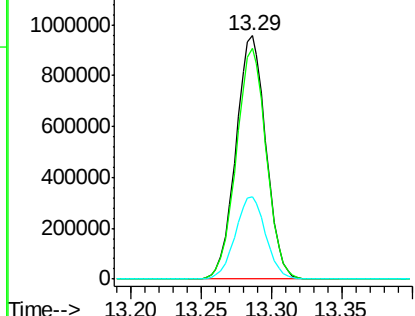
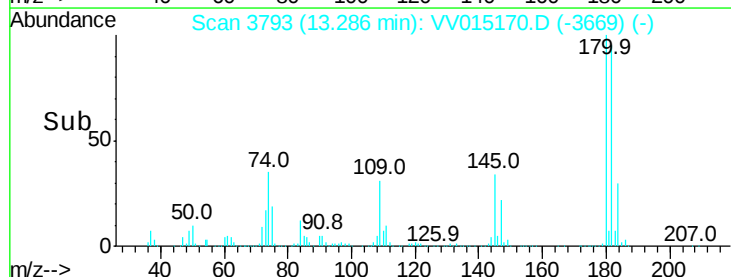


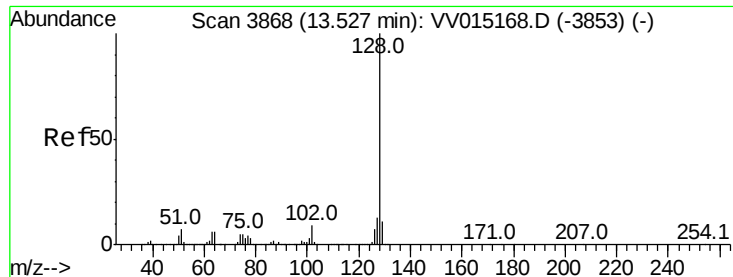
#68
 1,2,4-trichlorobenzene
 Concen: 201.501 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015170.D
 Acq: 26 Mar 2020 14:20

Tgt Ion:180 Resp: 1428841
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.2 112.8
 145 34.2 27.5 41.3



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





#69

Naphthalene

Concen: 193.377 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD20066

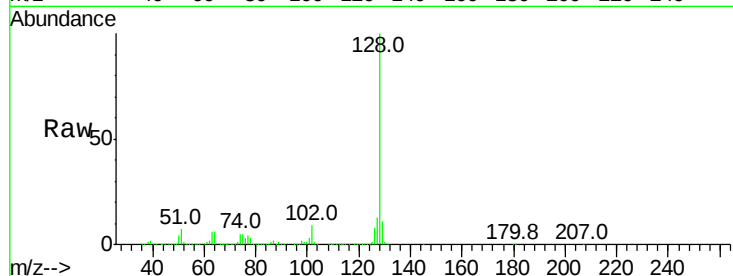
Tgt Ion:128 Resp: 5491240

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

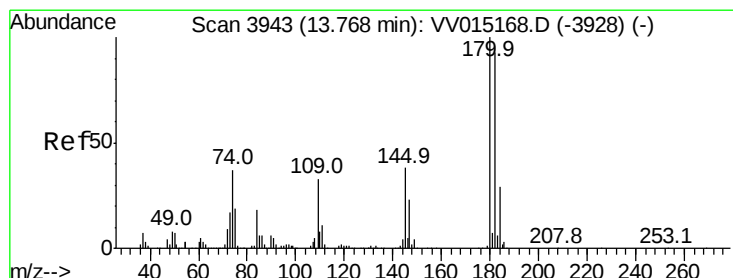
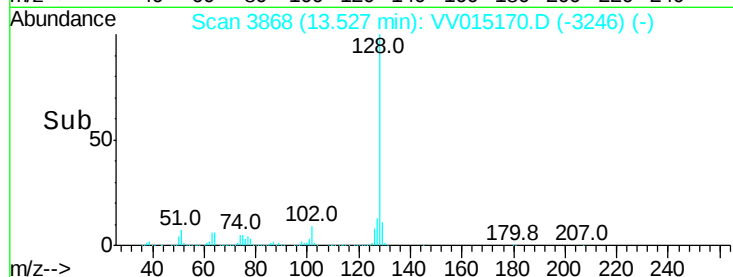
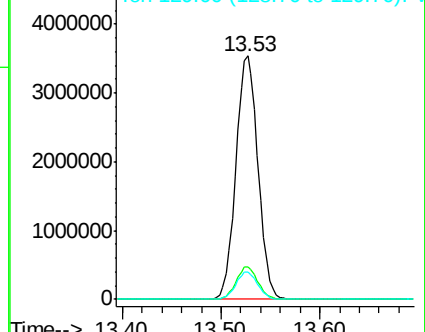
129 11.0 8.6 13.0



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: 203.488 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015170.D

Acq: 26 Mar 2020 14:20

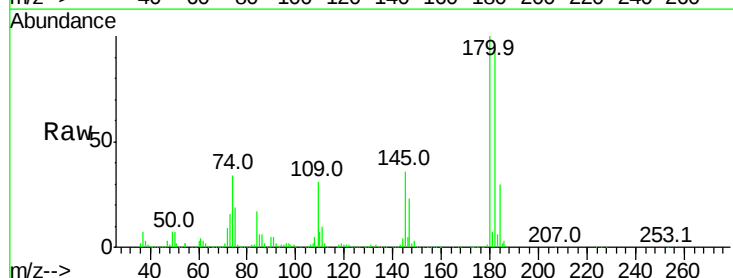
Tgt Ion:180 Resp: 1444828

Ion Ratio Lower Upper

180 100

182 94.5 74.6 112.0

145 36.4 29.9 44.9



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

