

Data File : VV015167.D
Acq On : 26 Mar 2020 13:07
Operator : SY/MD
Sample : VSTD01063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

Quant Time: Mar 27 20:59:35 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	632990	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	596469	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	265907	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34818	10.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	20.50%#
7) Chloroethane-d5	1.58	69	35877	10.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	20.96%#
11) 1,1-Dichloroethene-d2	2.12	63	79480	10.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	20.52%#
21) 2-Butanone-d5	3.95	46	64350	19.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	19.03%#
24) Chloroform-d	4.38	84	76502	10.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	20.56%#
26) 1,2-Dichloroethane-d4	5.06	65	52492	10.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	21.36%#
32) Benzene-d6	5.08	84	131139	10.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	21.38%#
36) 1,2-Dichloropropane-d6	6.10	67	47701	10.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	21.56%#
41) Toluene-d8	7.34	98	113631	10.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	20.44%#
43) trans-1,3-Dichloropropene-	7.65	79	24322	10.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	20.18%#
47) 2-Hexanone-d5	8.12	63	54229	20.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	20.96%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	78469	10.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	20.88%#
64) 1,2-Dichlorobenzene-d4	11.65	152	51942	10.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	20.92%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	56645	10.142	ug/L	100
3) Chloromethane	1.25	50	64517	10.637	ug/L	99
5) Vinyl chloride	1.32	62	64070	10.312	ug/L	98
6) Bromomethane	1.53	94	41418	10.330	ug/L	97
8) Chloroethane	1.60	64	43510	10.710	ug/L	99
9) Trichlorofluoromethane	1.76	101	96759	9.438	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52922	10.206	ug/L	99
12) 1,1-Dichloroethene	2.13	96	52358	10.256	ug/L	99
13) Acetone	2.46	43	42566	18.201	ug/L	100
14) Carbon disulfide	2.31	76	131157	10.018	ug/L	99
15) Methyl Acetate	2.46	43	47930	9.899	ug/L	93
16) Methylene chloride	2.52	84	48673	10.214	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	45125	10.171	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	153443	10.261	ug/L	99
19) 1,1-Dichloroethane	3.22	63	82877	10.113	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	49171	9.949	ug/L #	98
22) 2-Butanone	4.03	43	30622	8.323	ug/L	87

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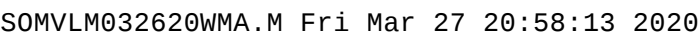
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

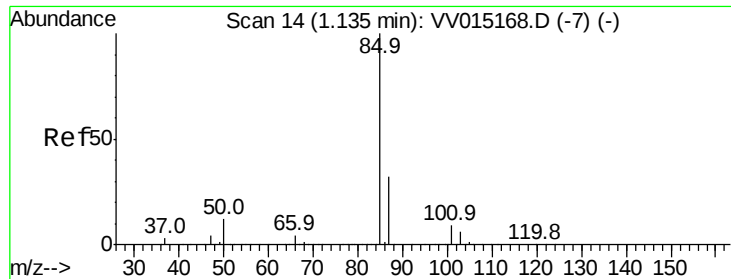
Quant Time: Mar 27 20:59:35 2020
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Quant Title : VOC Analysis
QLast Update : Fri Mar 27 20:54:59 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	24182	10.114	ug/L	92
25) Chloroform	4.41	83	88456	10.477	ug/L	98
27) 1,2-Dichloroethane	5.16	62	68633	10.254	ug/L	96
29) Cyclohexane	4.70	56	77696	10.643	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	80284	10.629	ug/L	99
31) Carbon tetrachloride	4.86	117	66332	10.447	ug/L	99
33) Benzene	5.13	78	184729	10.403	ug/L	100
34) Trichloroethene	5.94	95	48437	10.471	ug/L	98
35) Methylcyclohexane	6.15	83	79783	10.379	ug/L	98
37) 1,2-Dichloropropane	6.20	63	48605	10.705	ug/L #	92
38) Bromodichloromethane	6.53	83	67867	10.547	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	75619	9.964	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	146010	21.325	ug/L	99
42) Toluene	7.41	91	203494	10.272	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	76016	10.259	ug/L	94
45) 1,1,2-Trichloroethane	7.86	97	48099	10.822	ug/L	95
46) Tetrachloroethene	8.00	164	31286	10.064	ug/L	96
48) 2-Hexanone	8.17	43	114143	21.111	ug/L	98
49) Dibromochloromethane	8.27	129	48500	9.904	ug/L	93
50) 1,2-Dibromoethane	8.38	107	49623	10.257	ug/L	98
51) Chlorobenzene	8.90	112	130471	10.311	ug/L	98
52) Ethylbenzene	9.04	91	229278	10.272	ug/L	100
53) m,p-Xylene	9.16	106	85293	10.016	ug/L	96
54) o-xylene	9.57	106	88788	10.381	ug/L	100
55) Styrene	9.58	104	143502	9.917	ug/L	95
56) Isopropylbenzene	9.95	105	224497	10.224	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	80001	10.679	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	63348	10.503	ug/L	99
61) Bromoform	9.75	173	30227	9.867	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	90826	10.187	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	91686	10.180	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	93958	10.394	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.45	75	21628	10.769	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	55394	9.710	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	53382	9.810	ug/L	99
69) Naphthalene	13.53	128	220086	10.100	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	54509	10.004	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 10.142 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

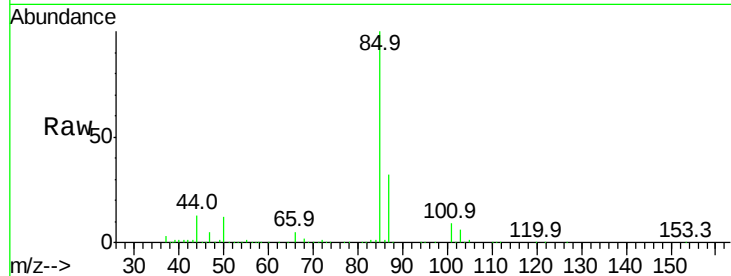
VSTD01063

Tgt Ion: 85 Resp: 56645

Ion Ratio Lower Upper

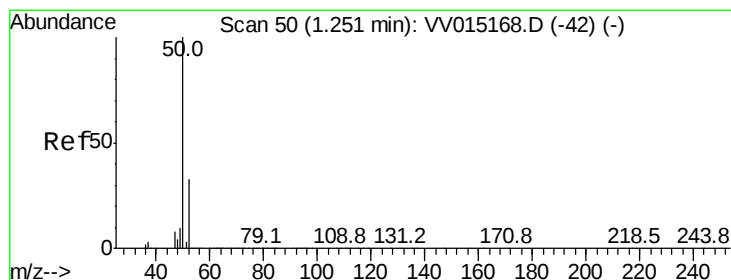
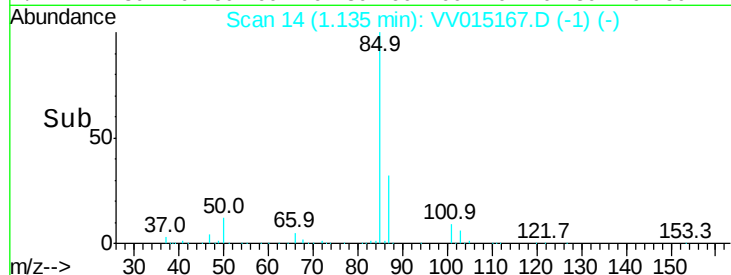
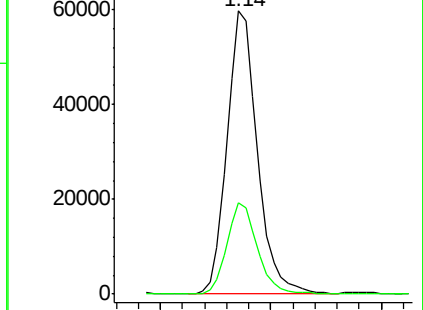
85 100

87 32.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV015167.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV015167.D (-1) (-)



#3

Chloromethane

Concen: 10.637 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015167.D

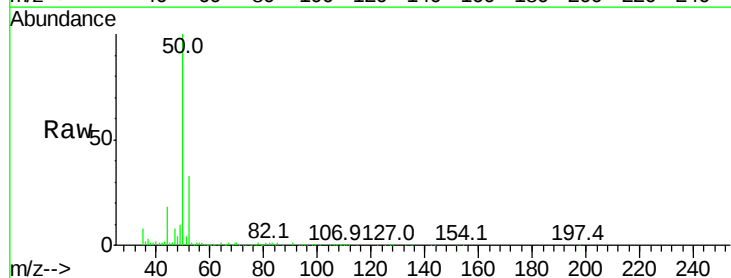
Acq: 26 Mar 2020 13:07

Tgt Ion: 50 Resp: 64517

Ion Ratio Lower Upper

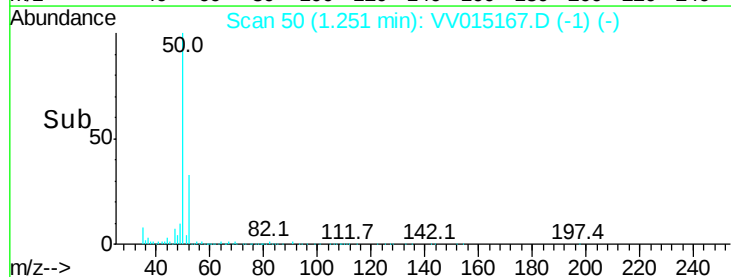
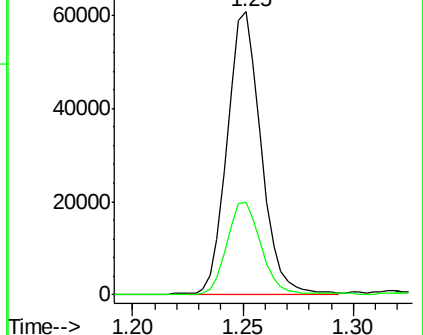
50 100

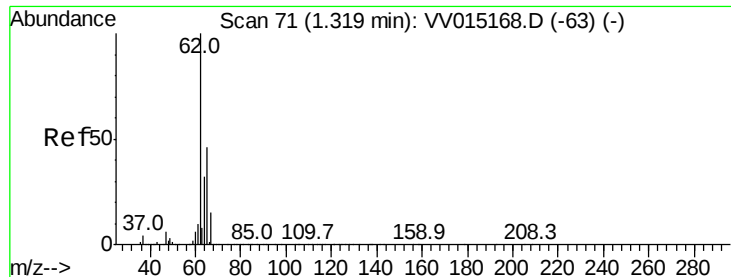
52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV015167.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV015167.D (-1) (-)





#5

Vinyl chloride

Concen: 10.312 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

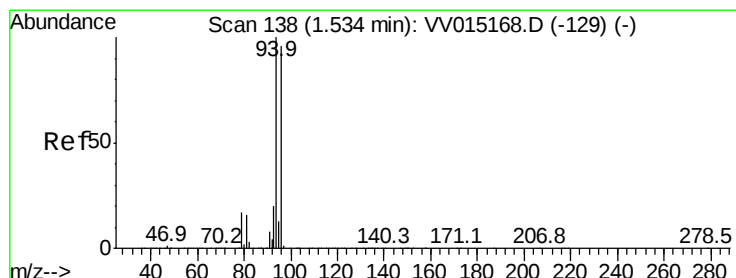
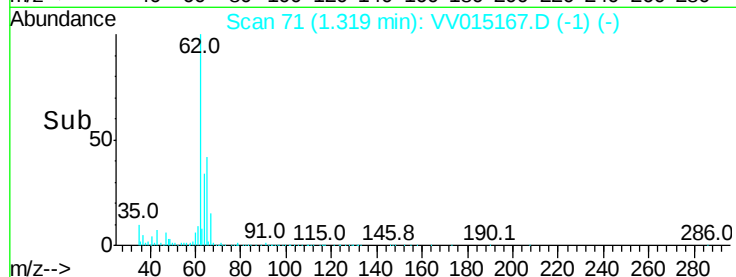
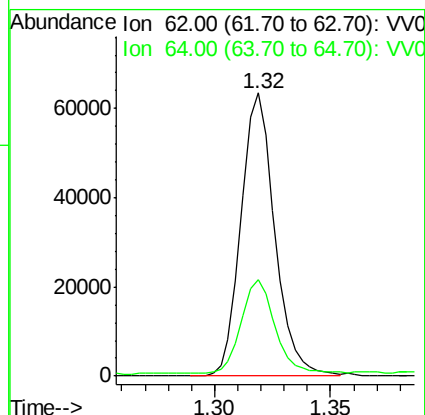
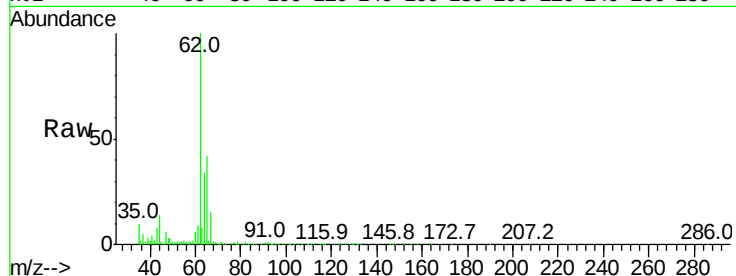
VSTD01063

Tgt Ion: 62 Resp: 64070

Ion Ratio Lower Upper

62 100

64 33.9 22.8 42.4



#6

Bromomethane

Concen: 10.330 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015167.D

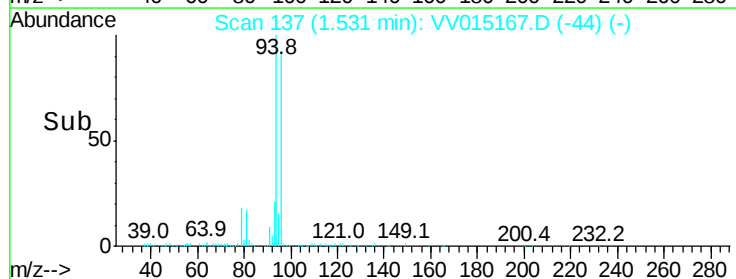
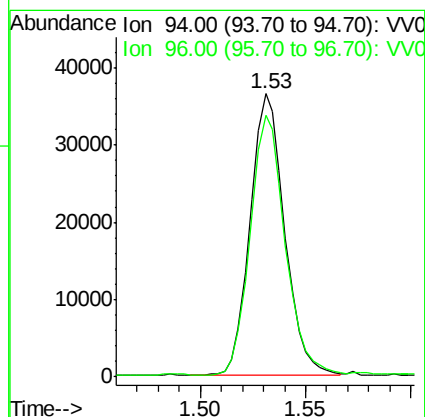
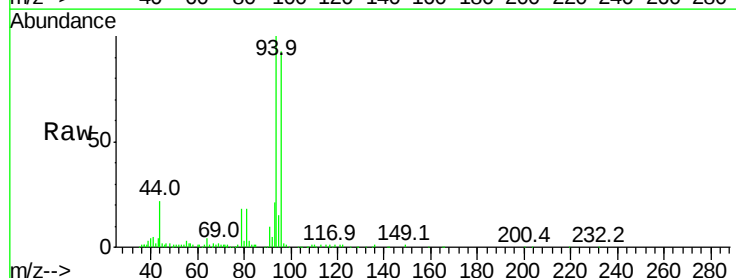
Acq: 26 Mar 2020 13:07

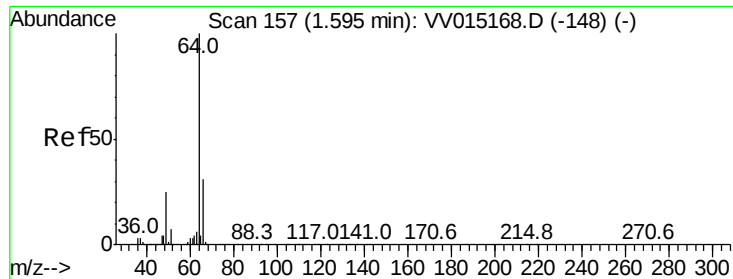
Tgt Ion: 94 Resp: 41418

Ion Ratio Lower Upper

94 100

96 92.6 67.1 124.7

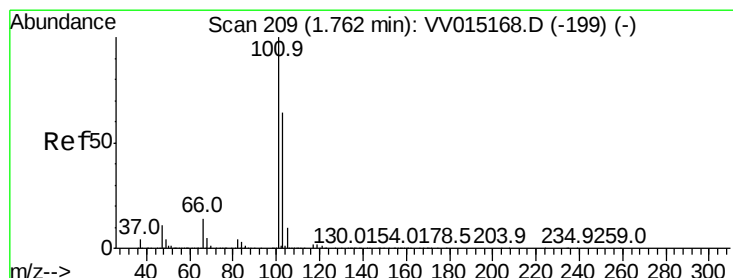
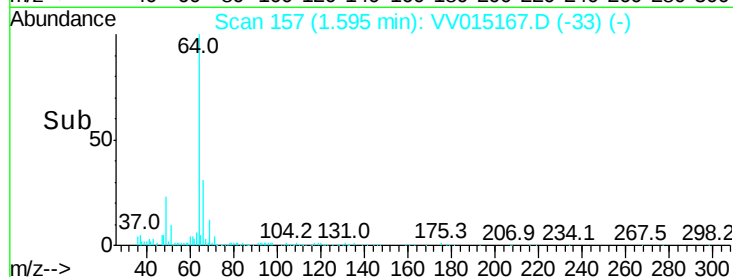
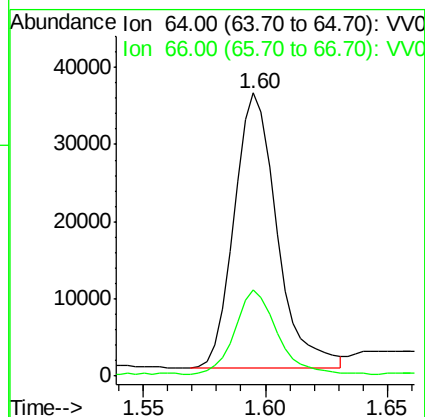
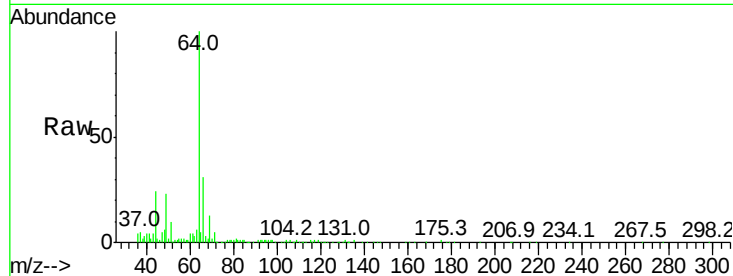




#8
Chloroethane
Concen: 10.710 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015167.D
Acq: 26 Mar 2020 13:07

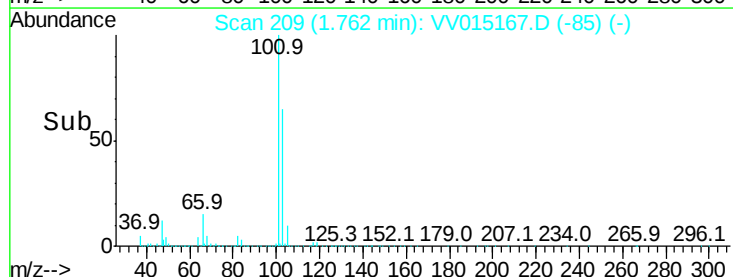
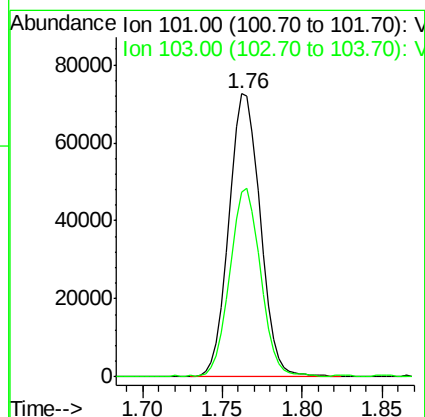
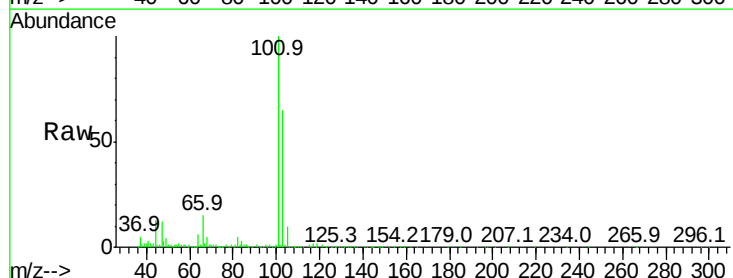
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

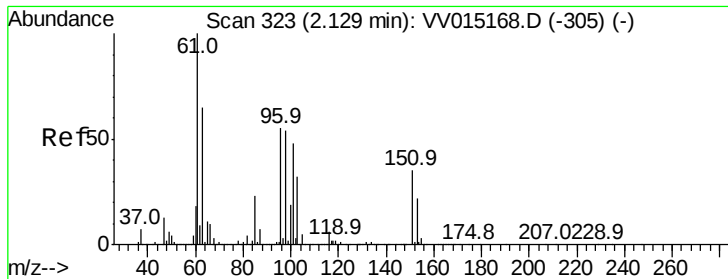
Tgt Ion: 64 Resp: 43510
Ion Ratio Lower Upper
64 100
66 30.5 21.6 40.2



#9
Trichlorofluoromethane
Concen: 9.438 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV015167.D
Acq: 26 Mar 2020 13:07

Tgt Ion: 101 Resp: 96759
Ion Ratio Lower Upper
101 100
103 65.2 50.8 76.2





#10

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

Concen: 10.206 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

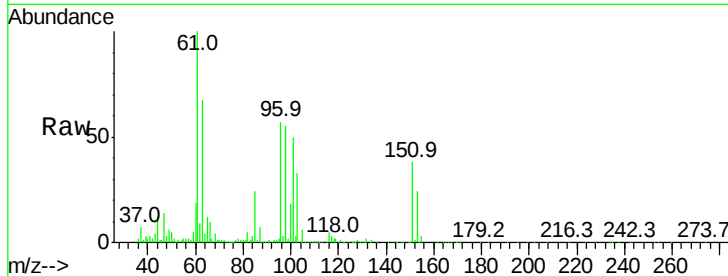
Tgt Ion:101 Resp: 52922

Ion Ratio Lower Upper

101 100

85 47.1 37.1 55.7

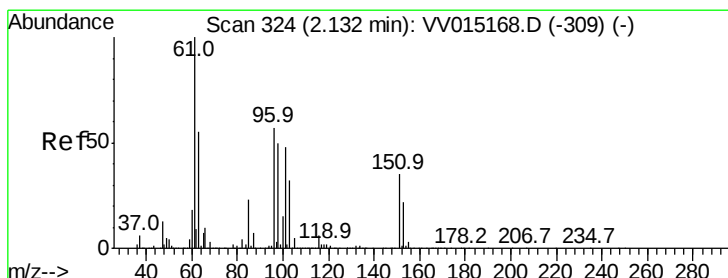
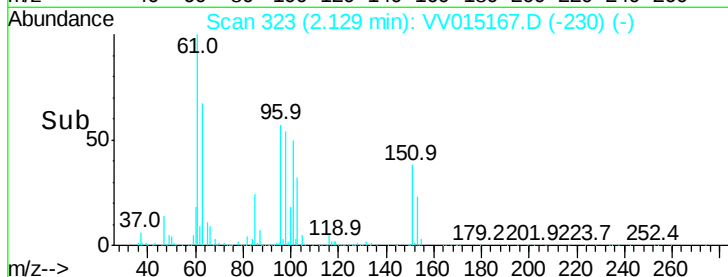
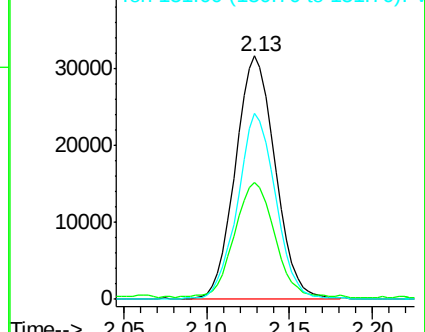
151 72.9 57.7 86.5



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: 10.256 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

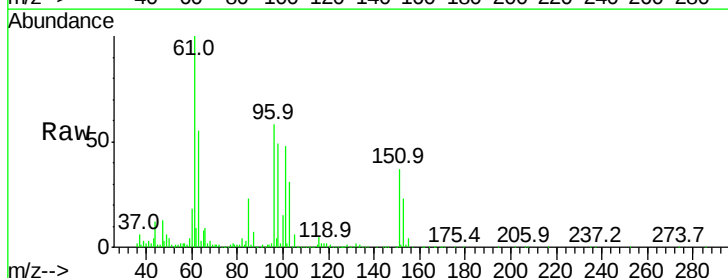
Tgt Ion: 96 Resp: 52358

Ion Ratio Lower Upper

96 100

61 173.8 122.3 227.1

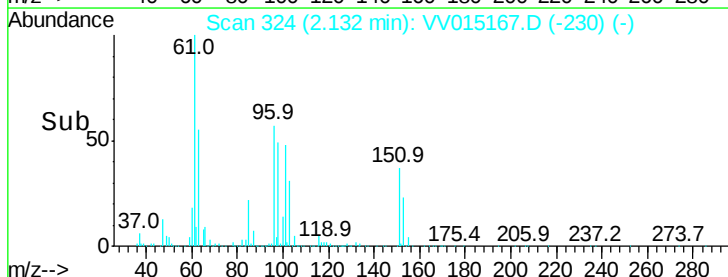
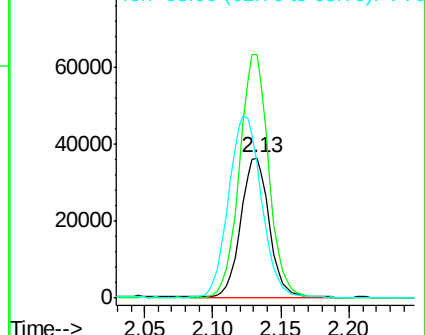
63 96.4 67.9 126.1

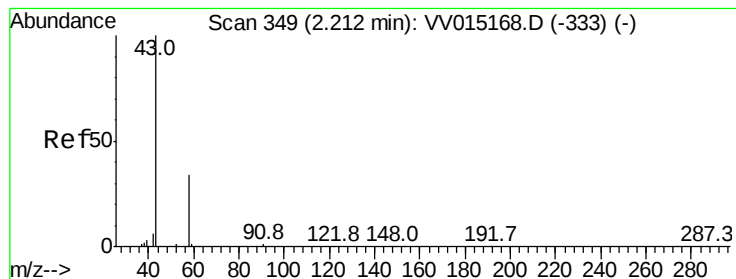


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.201 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.25 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

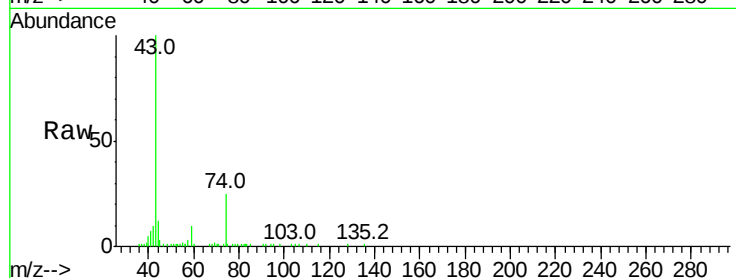
VSTD01063

Tgt Ion: 43 Resp: 42566

Ion Ratio Lower Upper

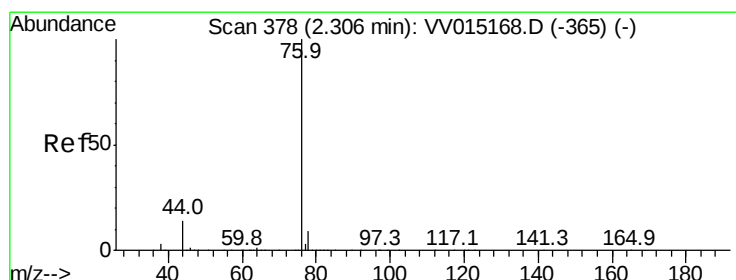
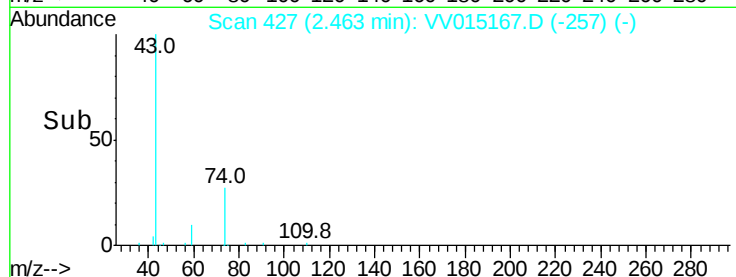
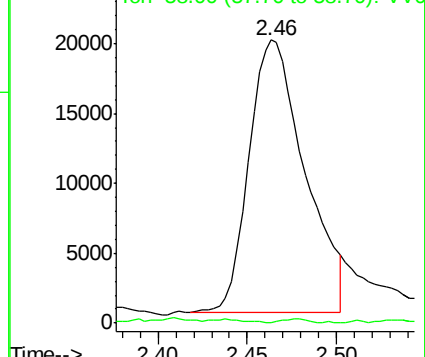
43 100

58 0.1 0.0 0.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 10.018 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015167.D

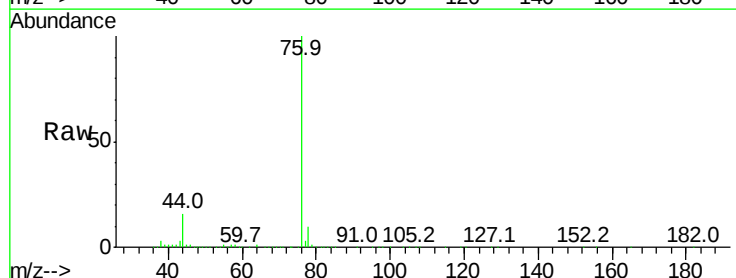
Acq: 26 Mar 2020 13:07

Tgt Ion: 76 Resp: 131157

Ion Ratio Lower Upper

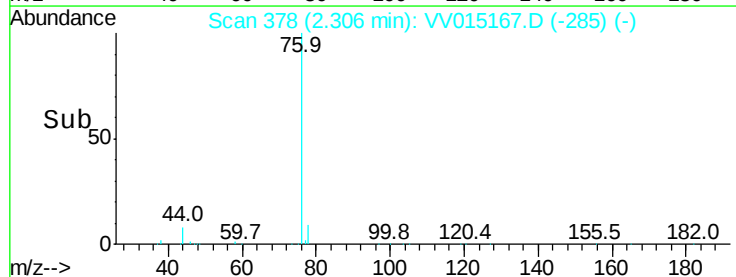
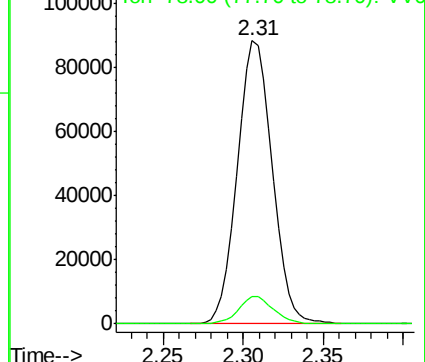
76 100

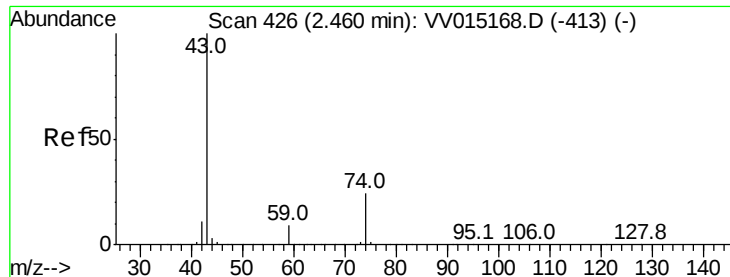
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 9.899 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

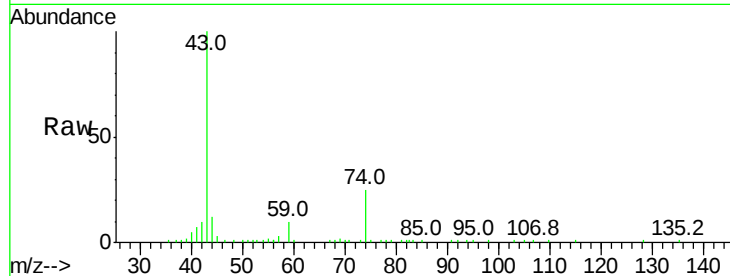
VSTD01063

Tgt Ion: 43 Resp: 47930

Ion Ratio Lower Upper

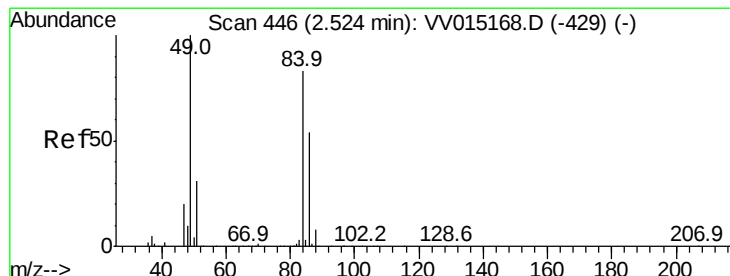
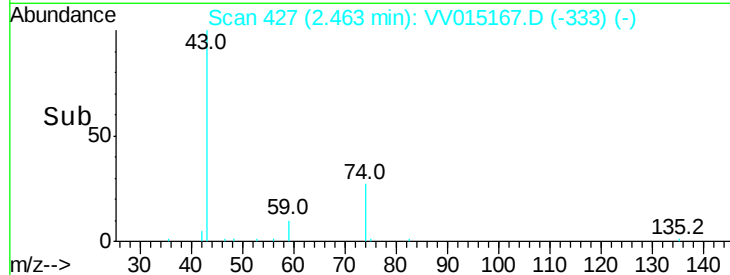
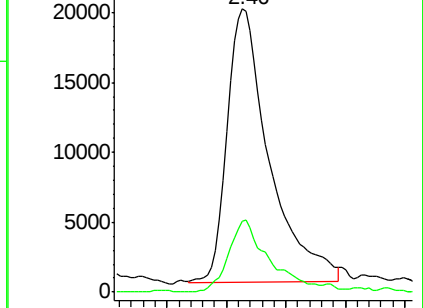
43 100

74 21.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 10.214 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

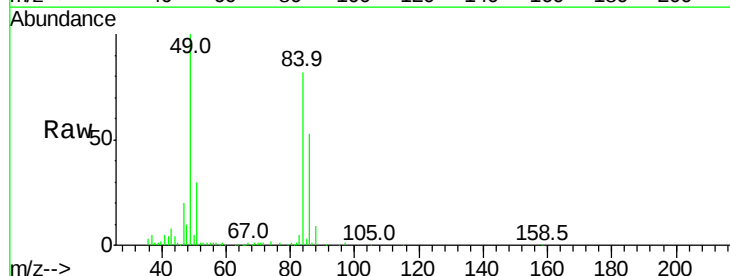
Tgt Ion: 84 Resp: 48673

Ion Ratio Lower Upper

84 100

86 64.4 45.1 83.9

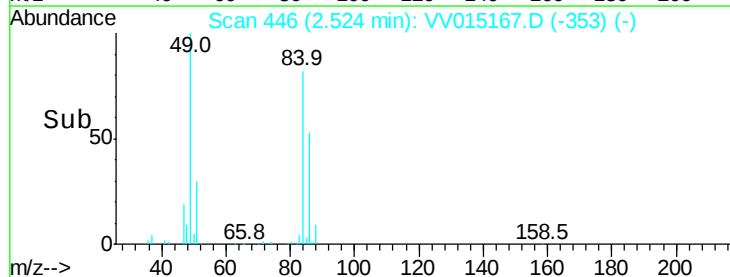
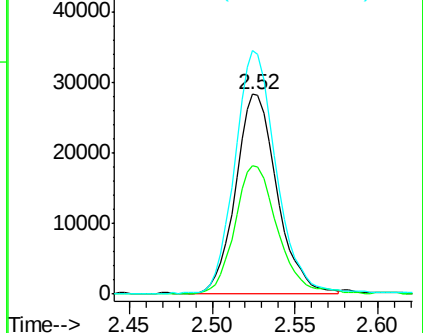
49 121.8 84.2 156.4

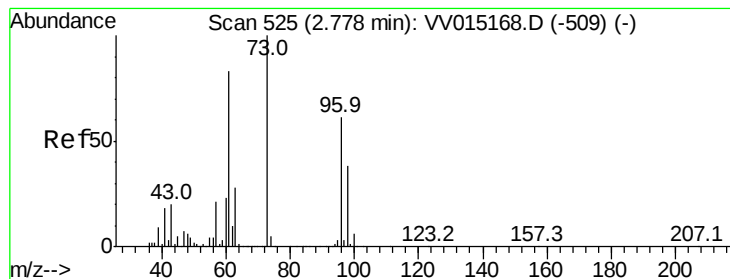


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 10.171 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

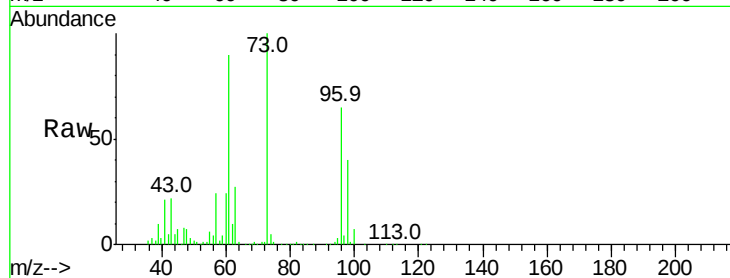
Tgt Ion: 96 Resp: 45125

Ion Ratio Lower Upper

96 100

61 137.6 96.4 179.0

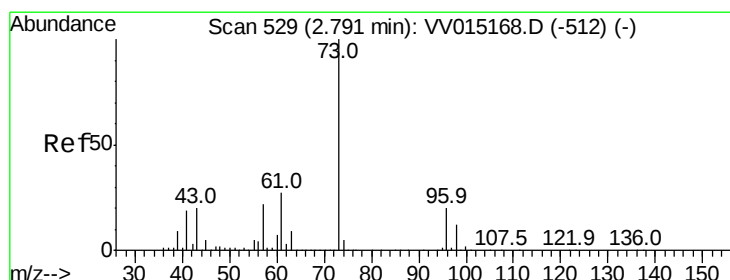
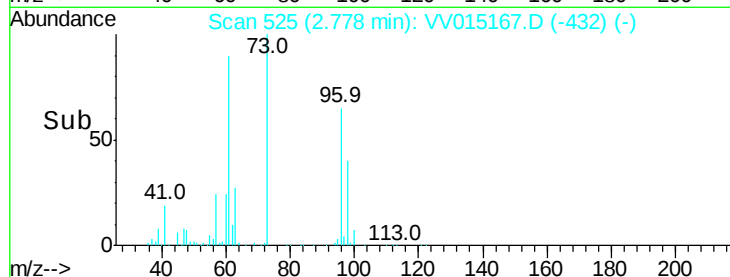
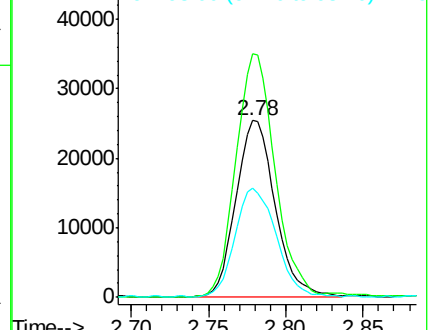
98 61.5 43.8 81.4



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: 10.261 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

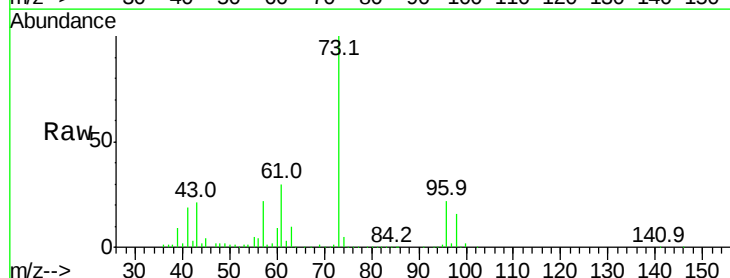
Tgt Ion: 73 Resp: 153443

Ion Ratio Lower Upper

73 100

43 18.9 15.8 23.6

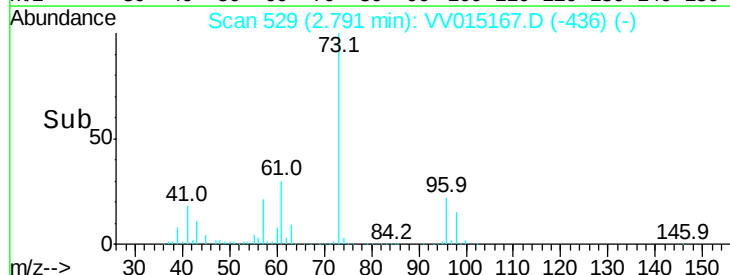
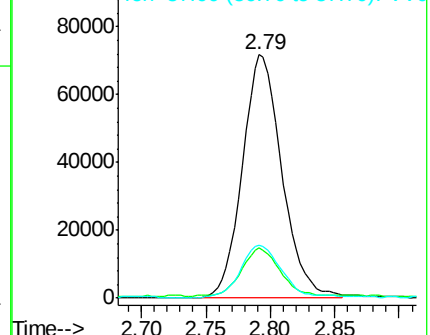
57 21.4 17.1 25.7

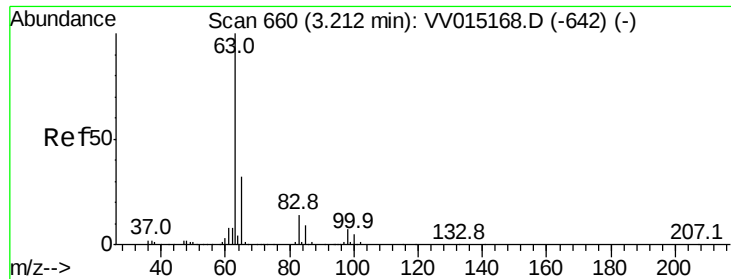


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

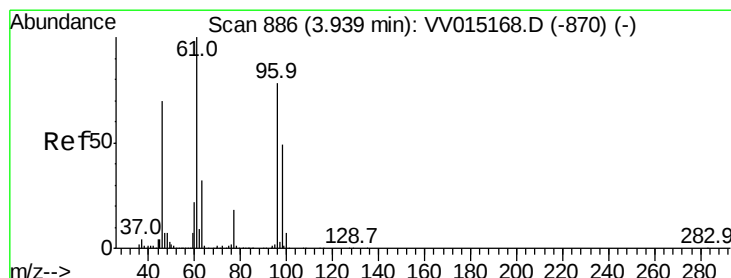
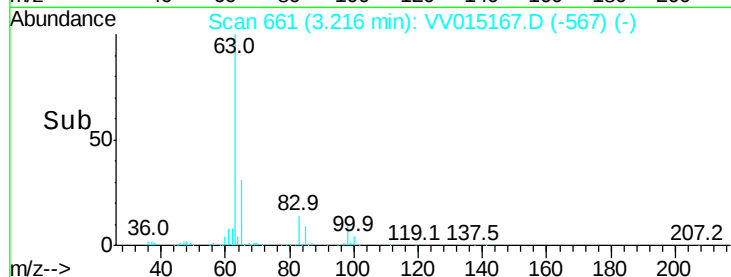
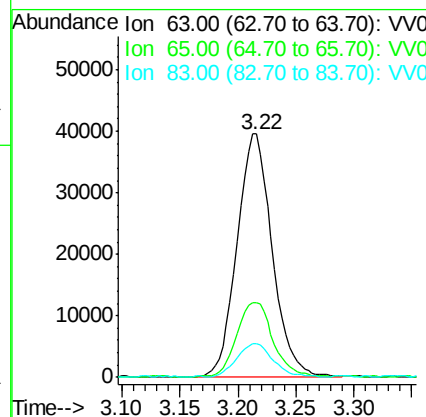
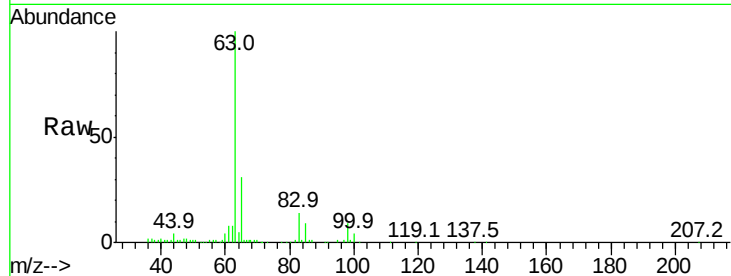




#19
 1,1-Dichloroethane
 Concen: 10.113 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

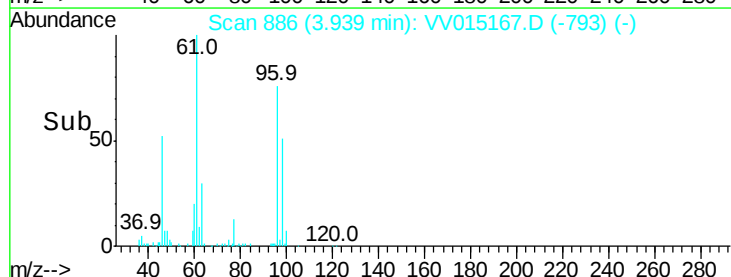
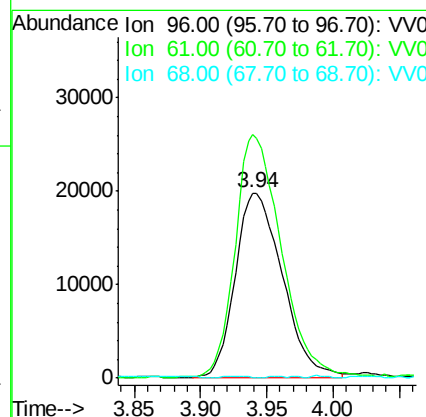
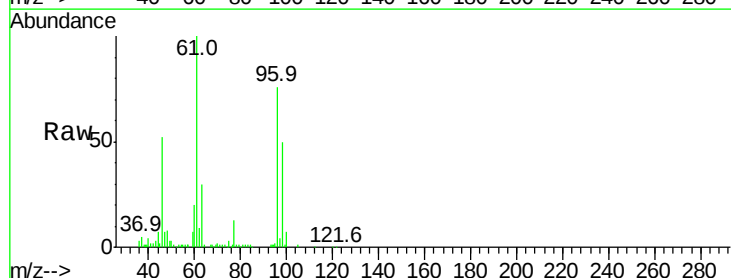
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

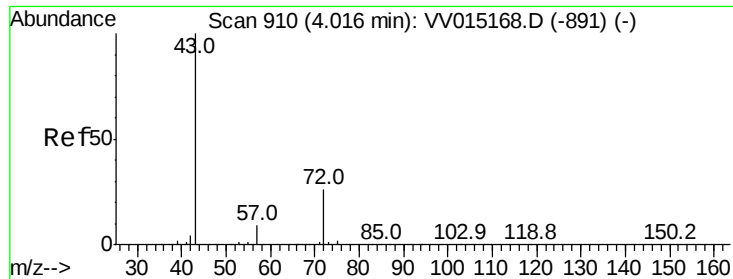
Tgt Ion: 63 Resp: 82877
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.2 41.2
 83 13.8 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 9.949 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Tgt Ion: 96 Resp: 49171
 Ion Ratio Lower Upper
 96 100
 61 131.4 90.2 167.4
 68 0.5 0.1 0.3#





#22

2-Butanone

Concen: 8.323 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

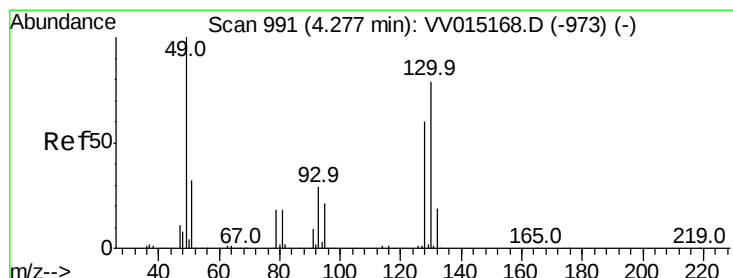
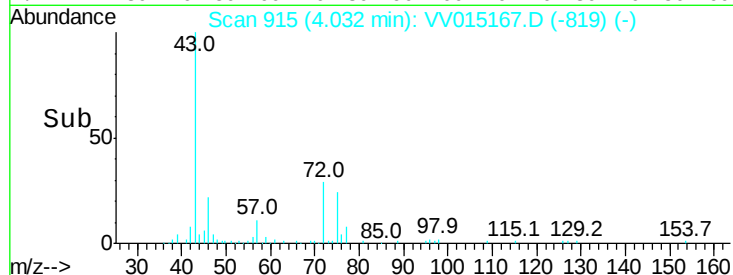
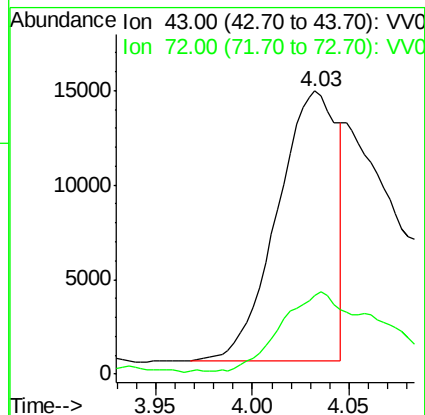
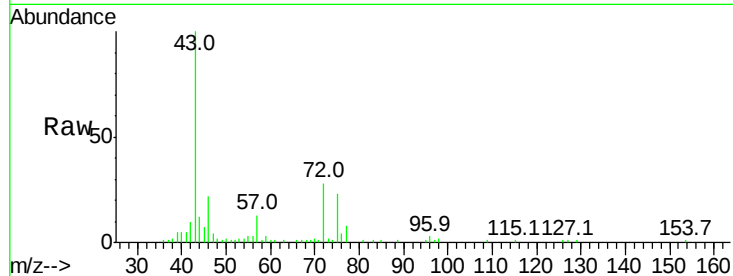
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

Tgt Ion: 43 Resp: 30622

Ion Ratio Lower Upper

43 100

72 32.7 13.0 38.9



#23

Bromochloromethane

Concen: 10.114 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Tgt Ion: 128 Resp: 24182

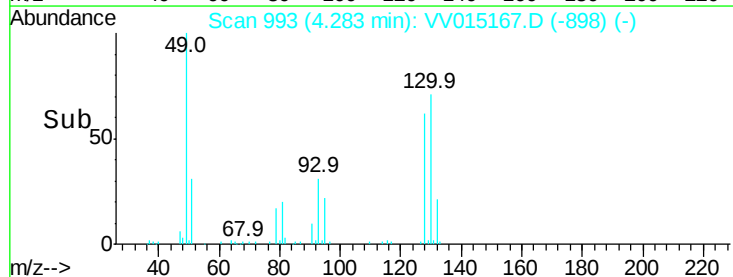
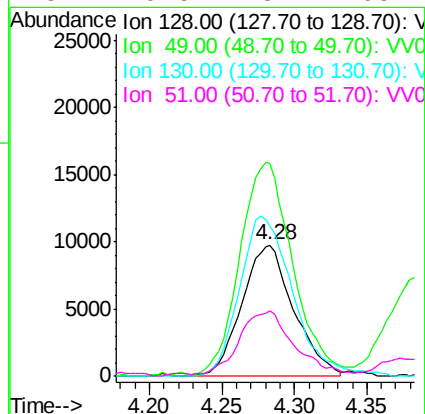
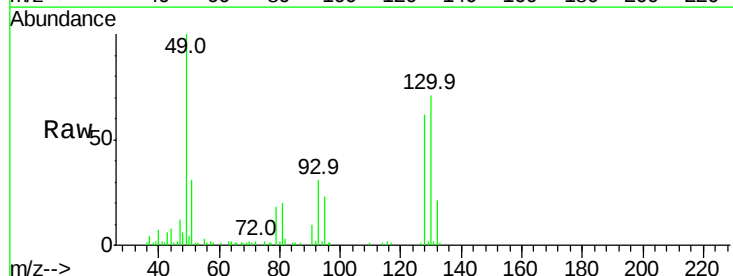
Ion Ratio Lower Upper

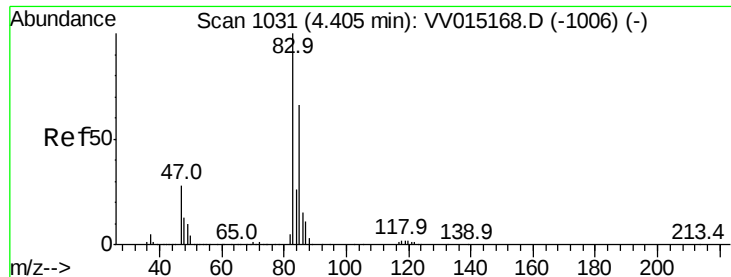
128 100

49 161.5 116.5 216.3

130 114.2 91.4 169.8

51 49.5 43.4 65.2

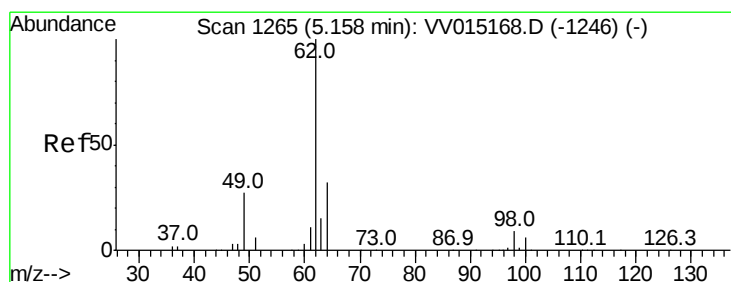
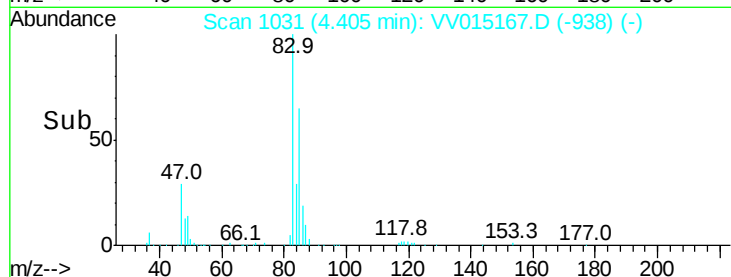
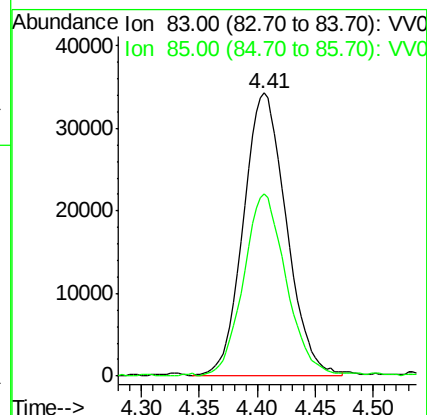
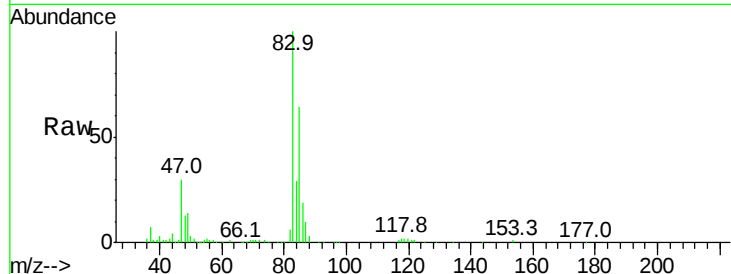




#25
Chloroform
Concen: 10.477 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV015167.D
Acq: 26 Mar 2020 13:07

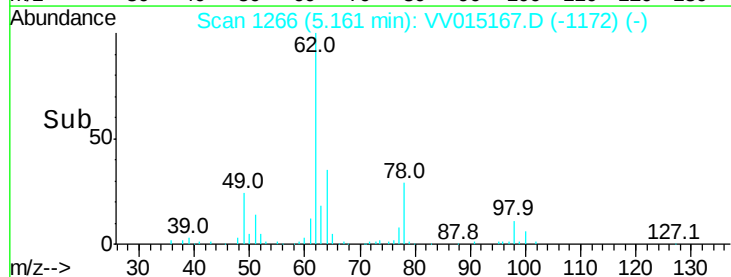
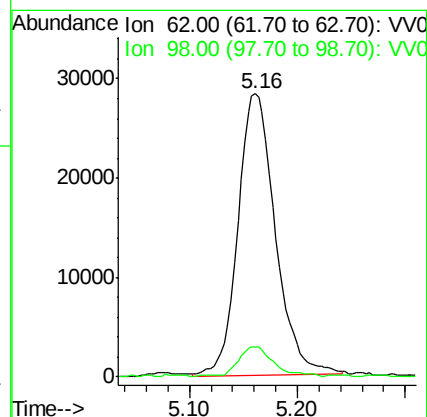
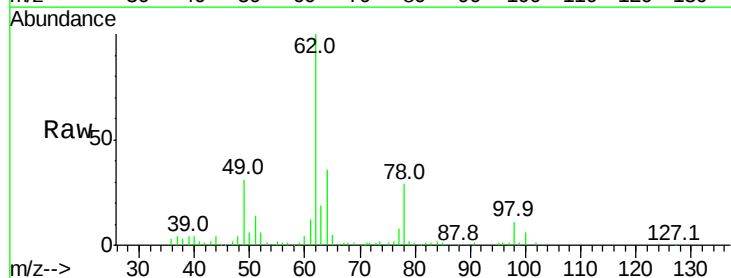
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

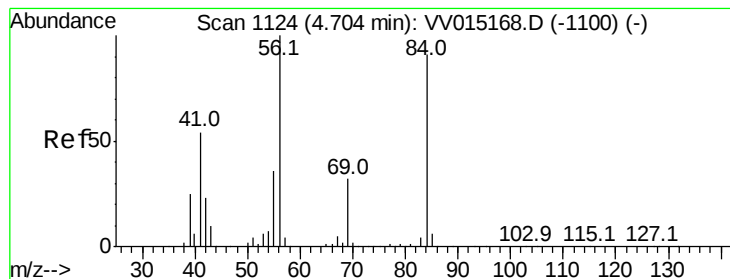
Tgt Ion: 83 Resp: 88456
Ion Ratio Lower Upper
83 100
85 64.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 10.254 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015167.D
Acq: 26 Mar 2020 13:07

Tgt Ion: 62 Resp: 68633
Ion Ratio Lower Upper
62 100
98 10.7 7.4 11.2





#29

Cyclohexane

Concen: 10.643 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

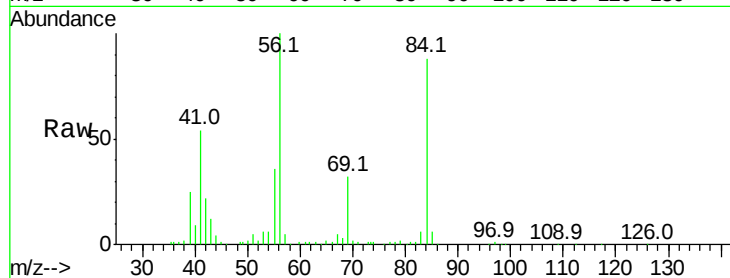
Tgt Ion: 56 Resp: 77696

Ion Ratio Lower Upper

56 100

69 33.0 25.5 38.3

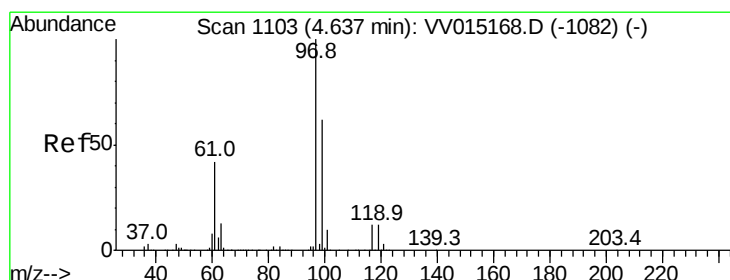
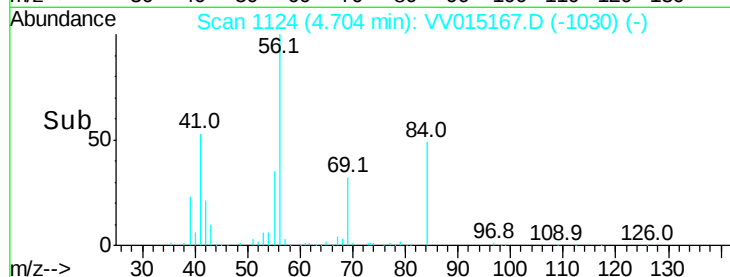
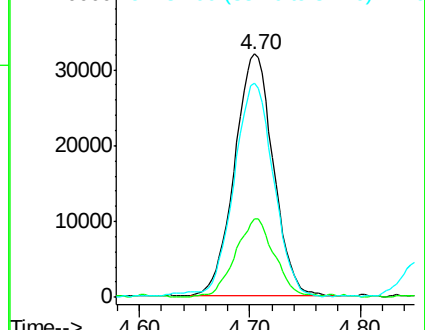
84 89.7 73.3 109.9



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 10.629 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

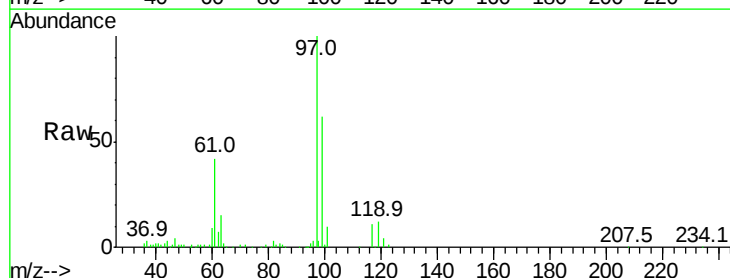
Tgt Ion: 97 Resp: 80284

Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.6

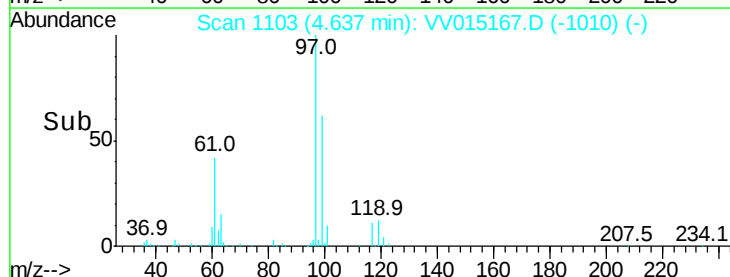
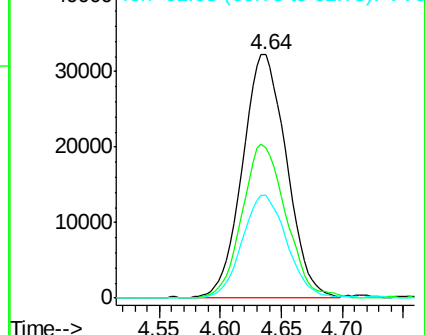
61 42.9 33.8 50.6

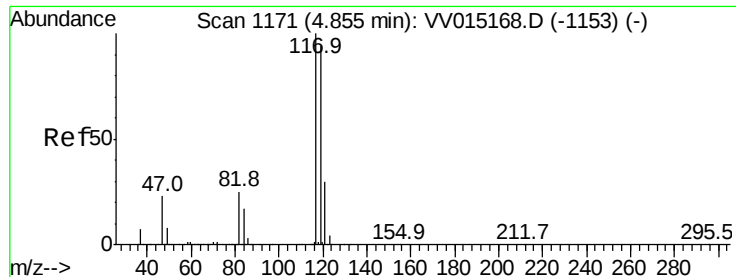


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 10.447 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

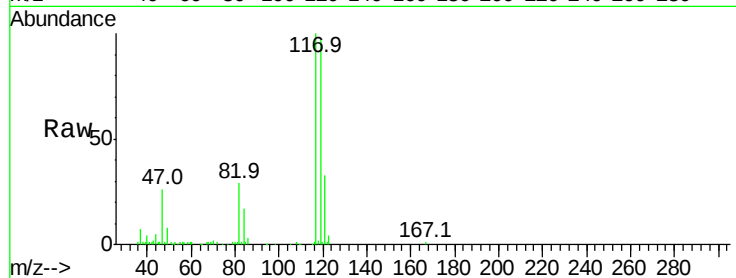
VSTD01063

Tgt Ion:117 Resp: 66332

Ion Ratio Lower Upper

117 100

119 95.1 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

30000

25000

20000

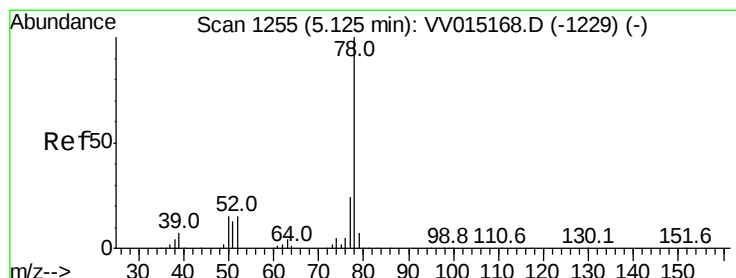
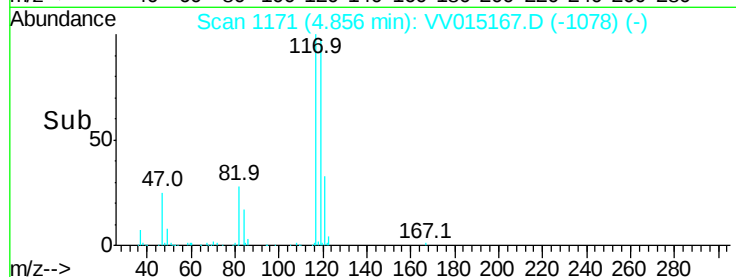
15000

10000

5000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 10.403 ug/L

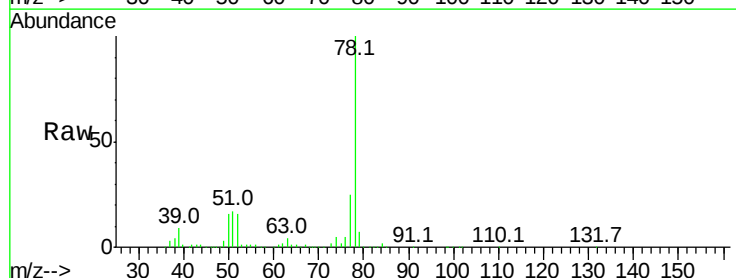
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Tgt Ion: 78 Resp: 184729



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

80000

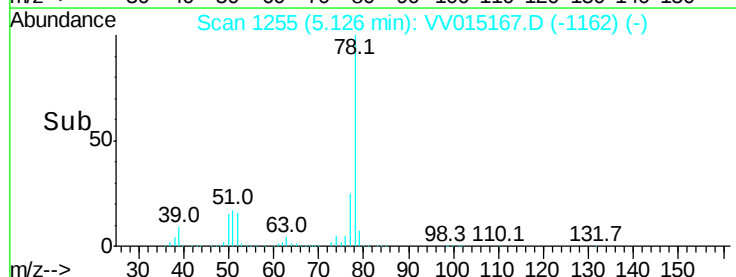
60000

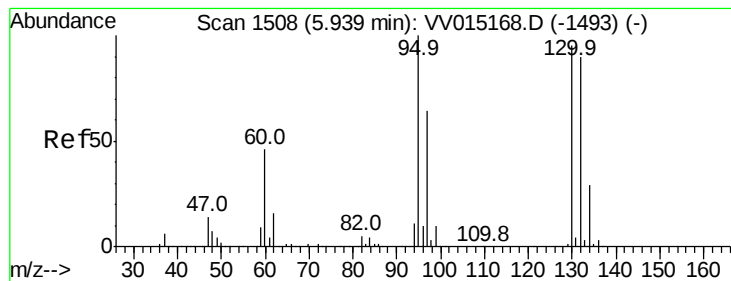
40000

20000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 10.471 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

Tgt Ion: 95 Resp: 48437

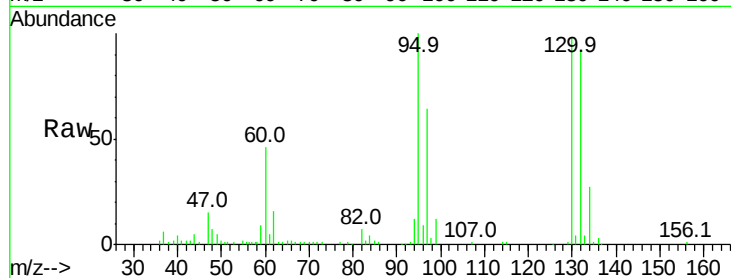
Ion Ratio Lower Upper

95 100

97 63.7 44.8 83.2

132 91.6 63.2 117.4

130 98.2 66.8 124.0

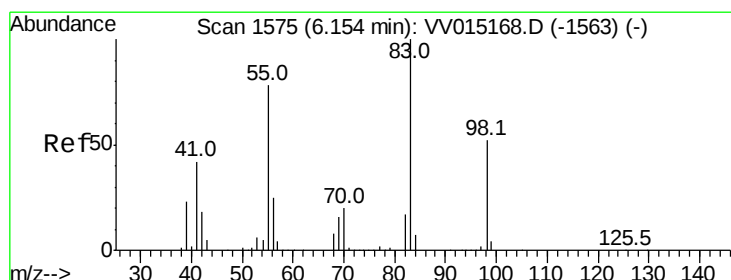
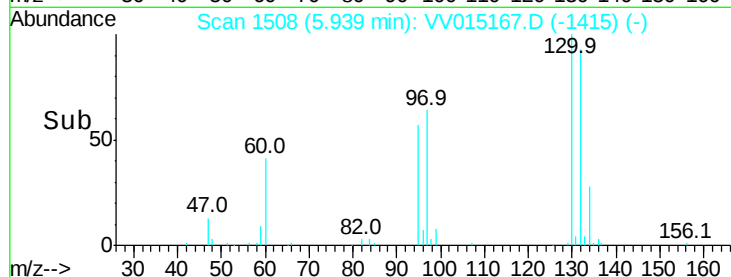
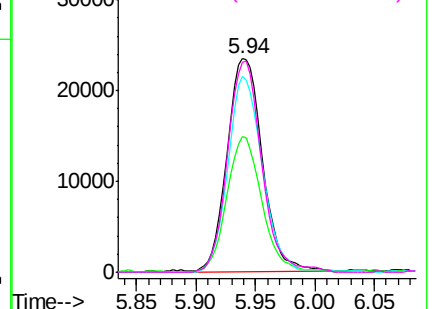


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 10.379 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

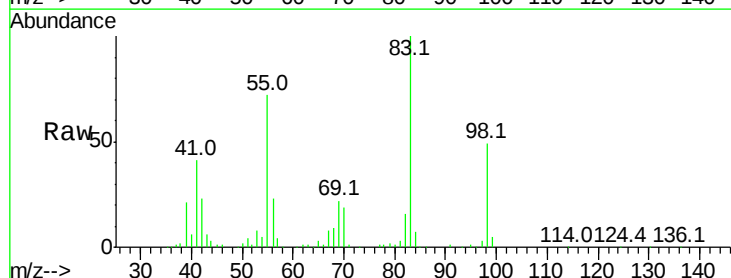
Tgt Ion: 83 Resp: 79783

Ion Ratio Lower Upper

83 100

55 74.9 58.8 88.2

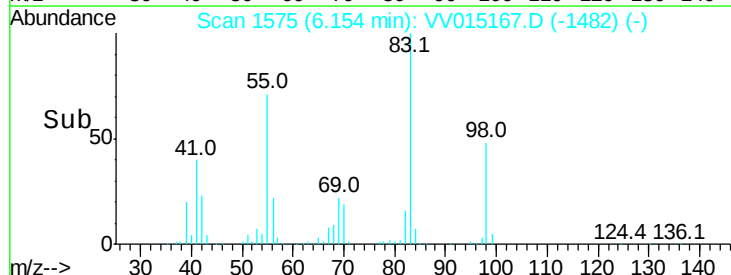
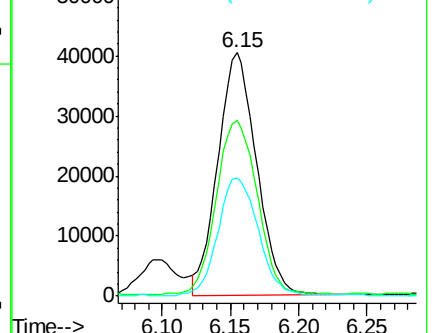
98 49.8 38.8 58.2

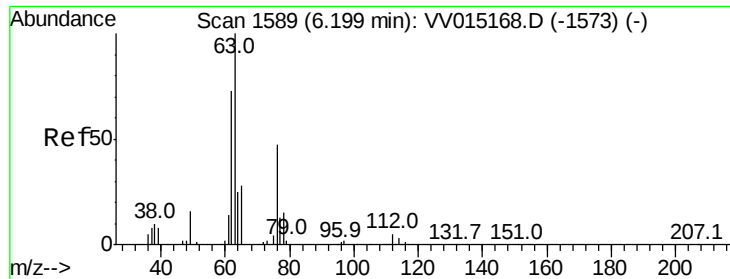


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

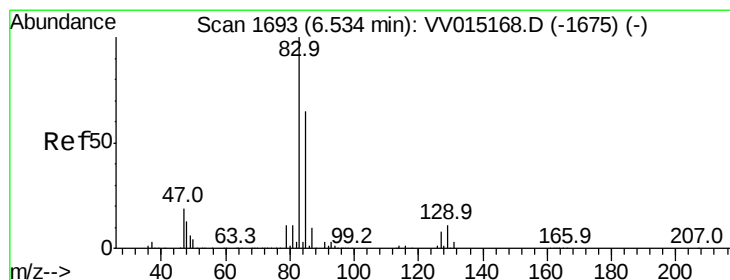
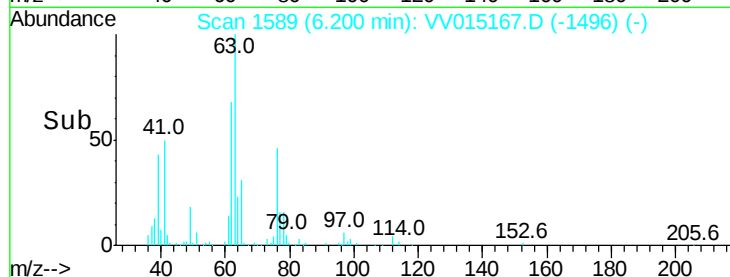
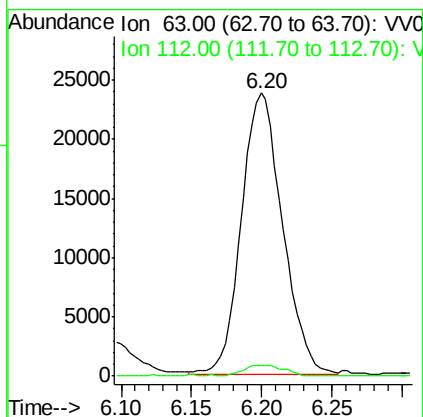
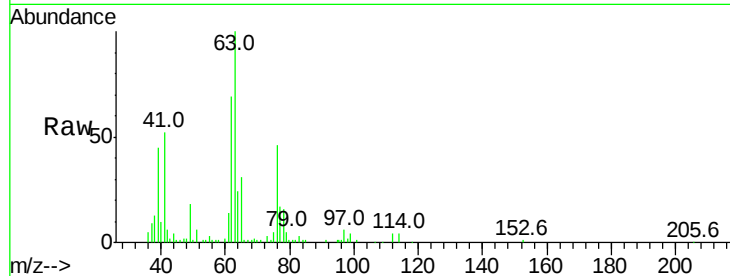




#37
 1,2-Dichloropropane
 Concen: 10.705 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

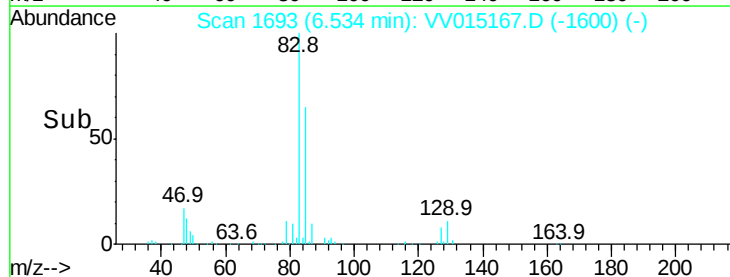
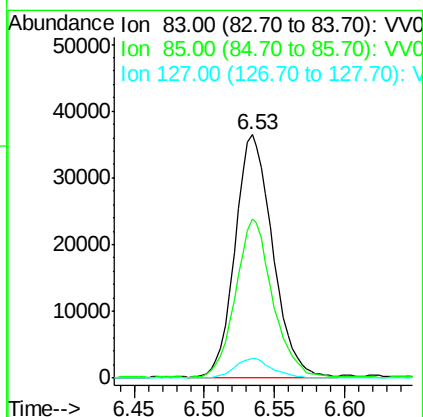
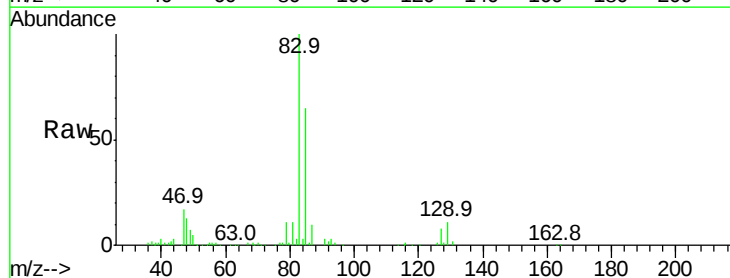
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01063

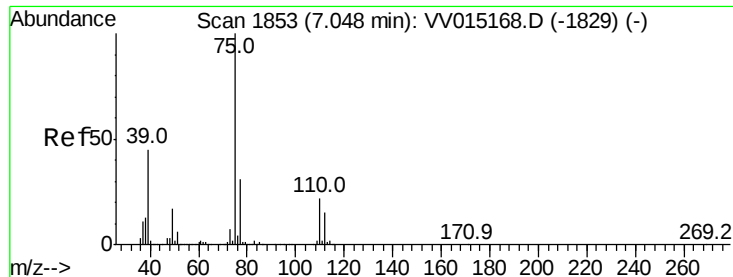
Tgt Ion: 63 Resp: 48605
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 10.547 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Tgt Ion: 83 Resp: 67867
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.3 84.1
 127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 9.964 ug/L

RT: 7.05 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

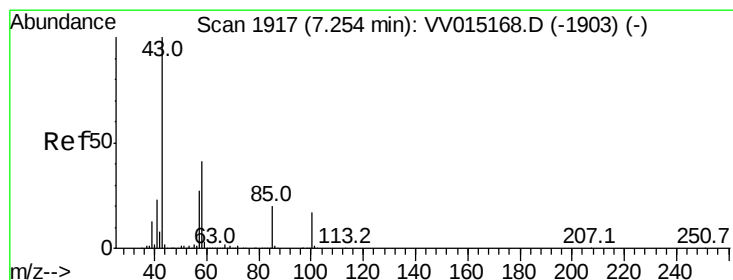
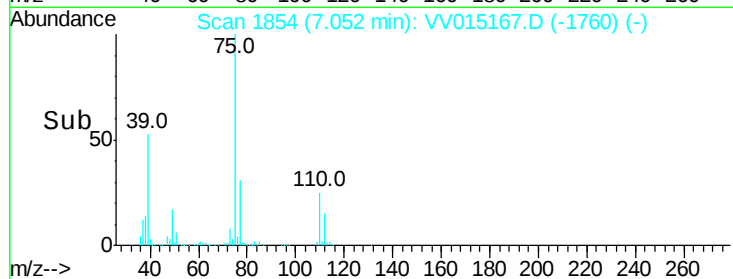
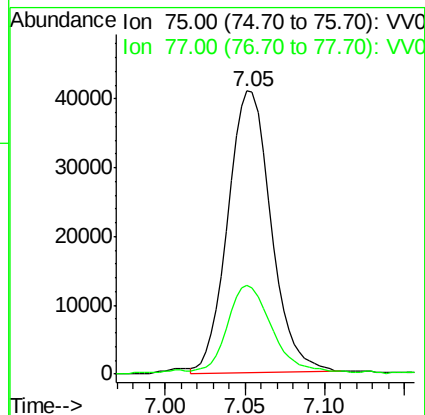
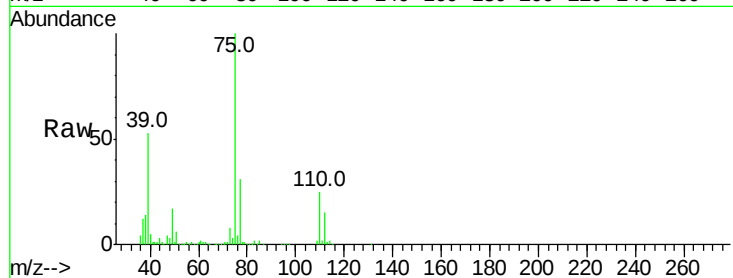
VSTD01063

Tgt Ion: 75 Resp: 75619

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 21.325 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

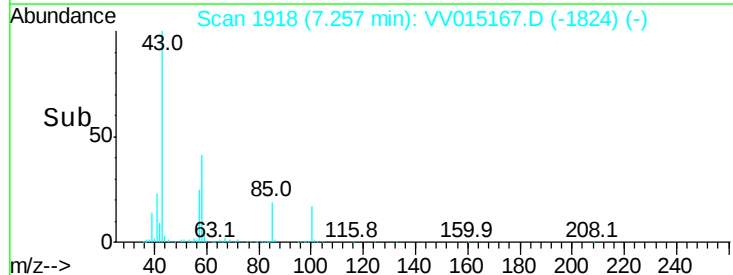
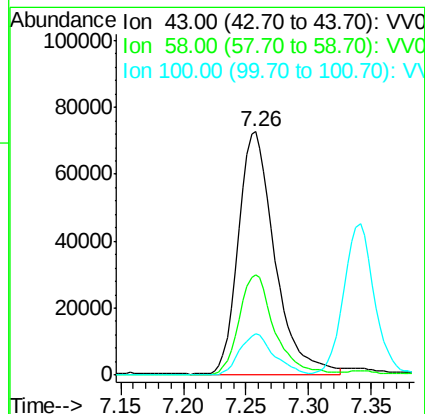
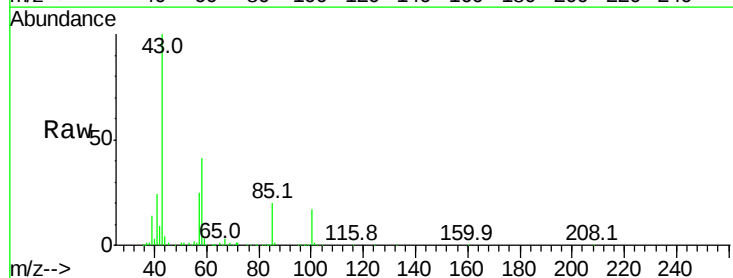
Tgt Ion: 43 Resp: 146010

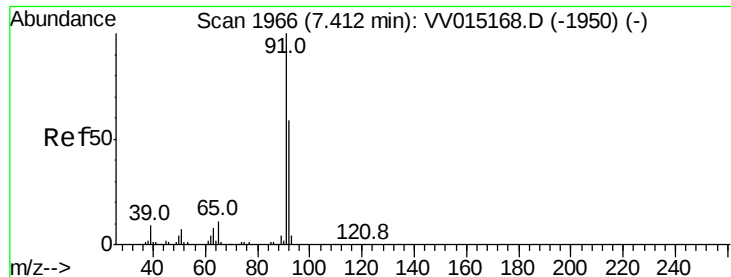
Ion Ratio Lower Upper

43 100

58 39.9 32.5 48.7

100 16.4 13.4 20.2





#42

Toluene

Concen: 10.272 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampled :

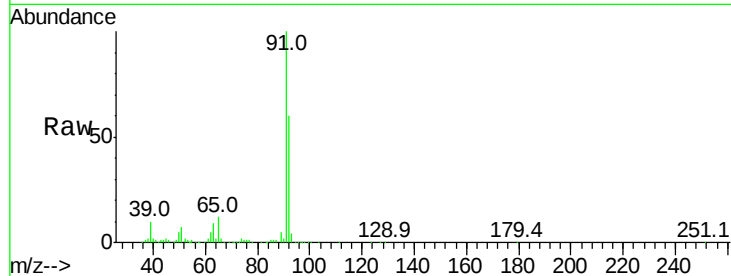
VSTD01063

Tgt Ion: 91 Resp: 203494

Ion Ratio Lower Upper

91 100

92 60.0 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

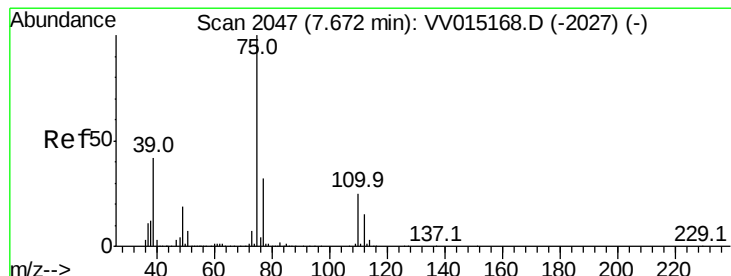
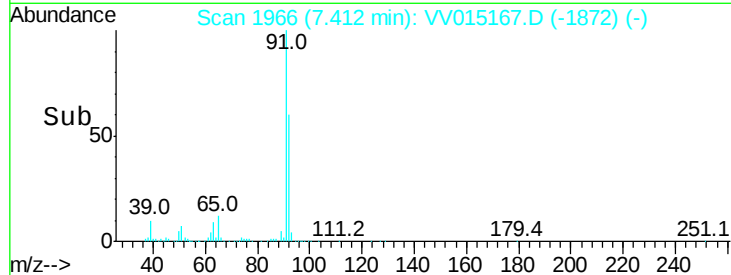
100000

50000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 10.259 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015167.D

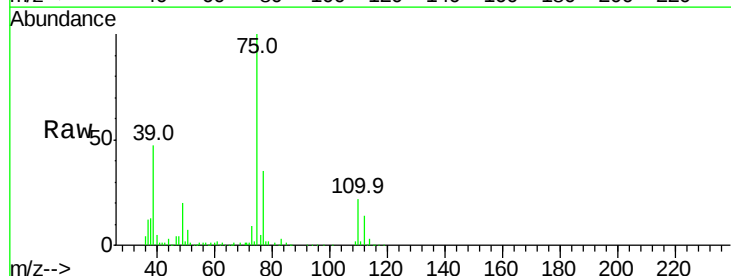
Acq: 26 Mar 2020 13:07

Tgt Ion: 75 Resp: 76016

Ion Ratio Lower Upper

75 100

77 35.0 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.68

50000

40000

30000

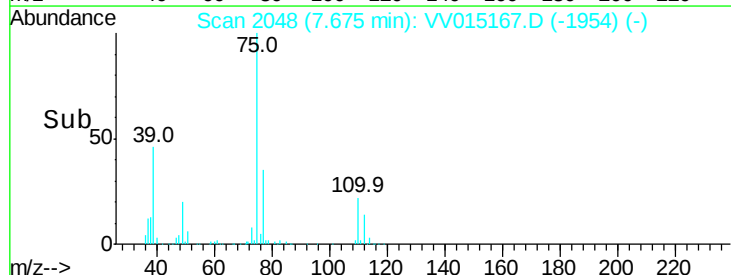
20000

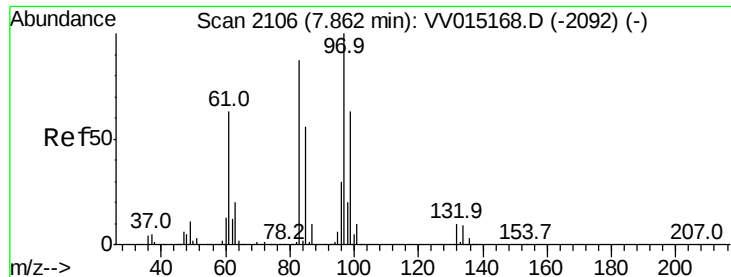
10000

0

Time-->

7.60 7.65 7.70 7.75

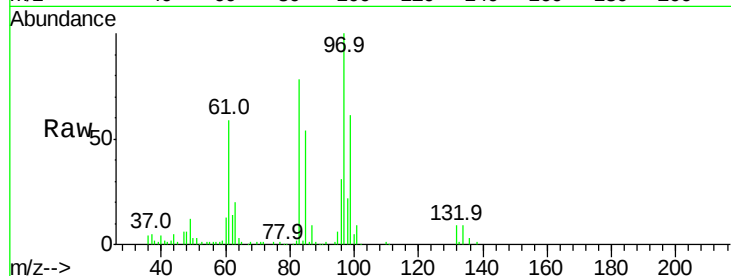




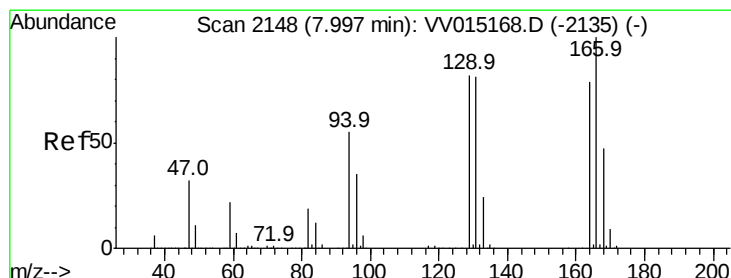
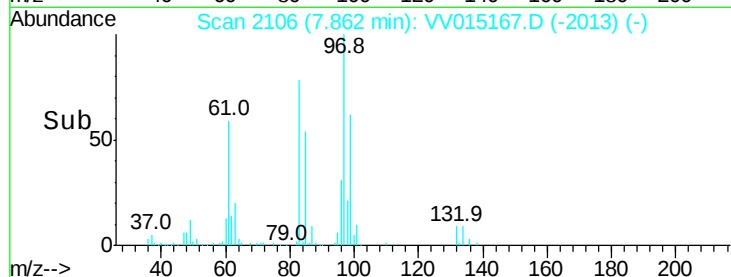
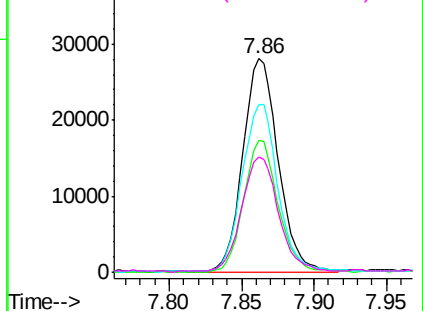
#45
 1,1,2-Trichloroethane
 Concen: 10.822 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Tgt Ion: 97 Resp: 48099
 Ion Ratio Lower Upper
 97 100
 99 61.5 44.3 82.3
 83 78.4 60.5 112.5
 85 53.8 39.1 72.5



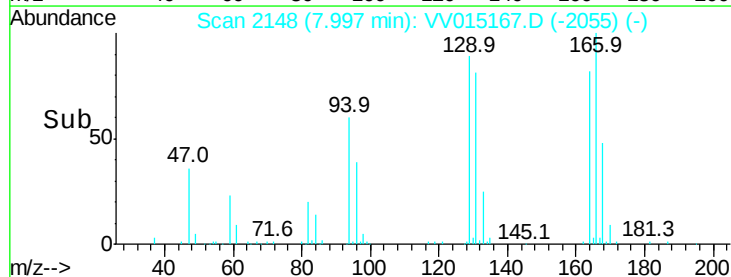
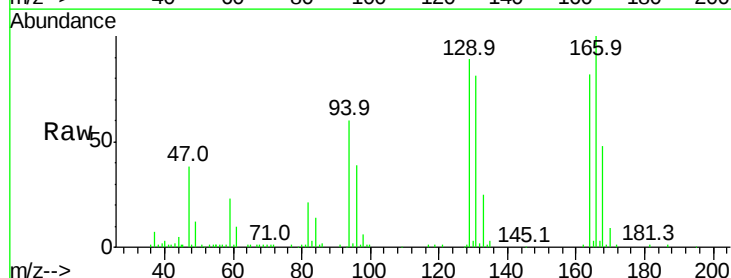
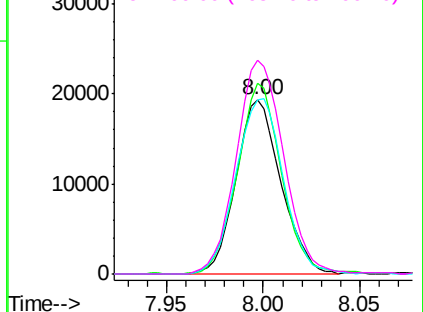
Abundance Ion 97.00 (96.70 to 97.70): VV015167.D (-2013) (-)
 Ion 99.00 (98.70 to 99.70): VV015167.D (-2013) (-)
 Ion 83.00 (82.70 to 83.70): VV015167.D (-2013) (-)
 Ion 85.00 (84.70 to 85.70): VV015167.D (-2013) (-)

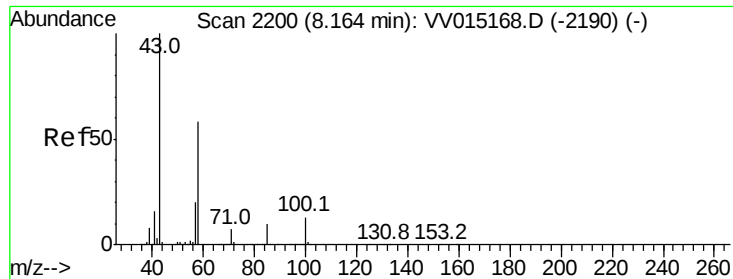


#46
 Tetrachloroethene
 Concen: 10.064 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Tgt Ion: 164 Resp: 31286
 Ion Ratio Lower Upper
 164 100
 129 109.2 72.7 135.1
 131 99.5 71.6 133.0
 166 122.5 88.8 165.0

Abundance Ion 164.00 (163.70 to 164.70): VV015167.D (-2055) (-)
 Ion 129.00 (128.70 to 129.70): VV015167.D (-2055) (-)
 Ion 131.00 (130.70 to 131.70): VV015167.D (-2055) (-)
 Ion 166.00 (165.70 to 166.70): VV015167.D (-2055) (-)

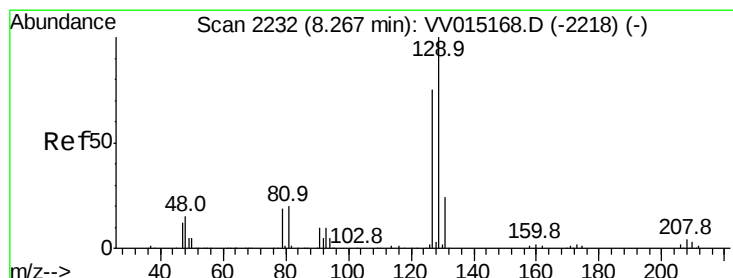
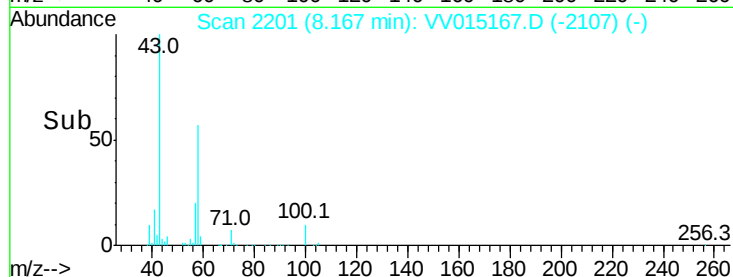
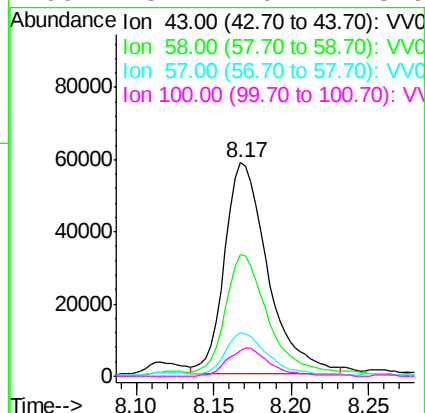
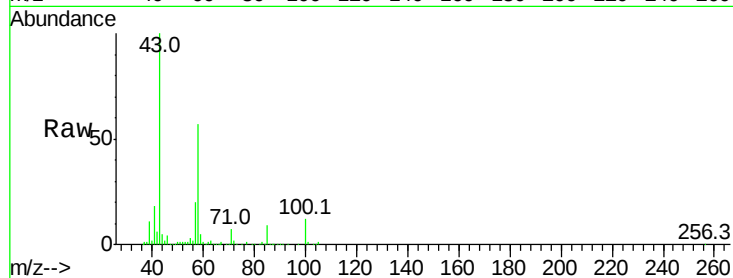




#48
2-Hexanone
Concen: 21.111 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015167.D
Acq: 26 Mar 2020 13:07

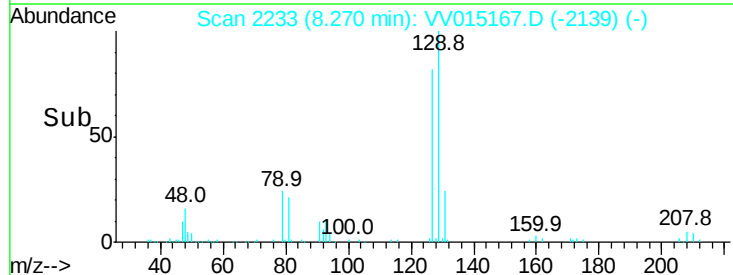
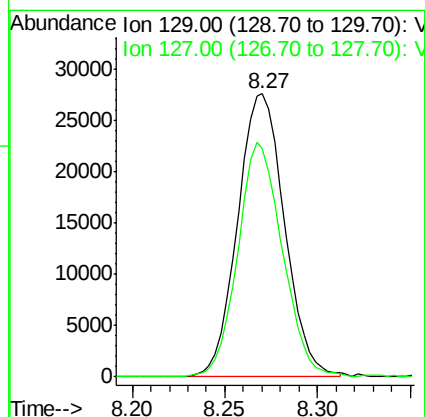
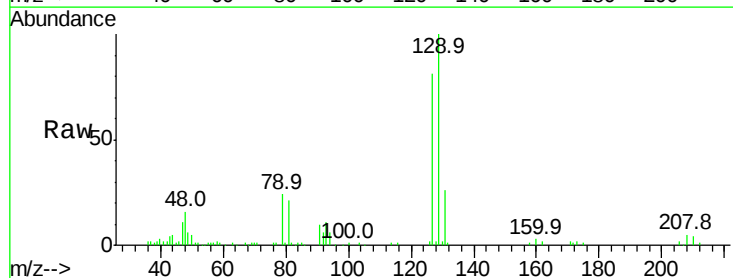
Instrument :
MSVOA_V
ClientSampleId :
VSTD01063

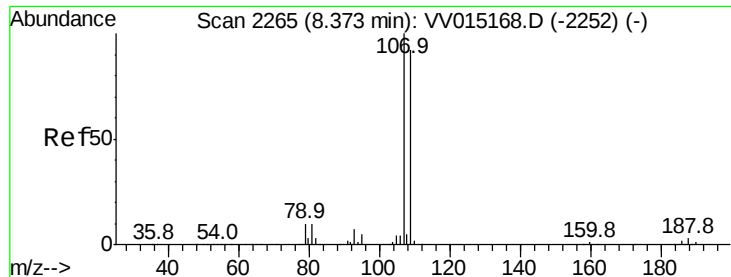
Tgt Ion: 43 Resp: 114143
Ion Ratio Lower Upper
43 100
58 57.2 44.3 66.5
57 18.6 15.4 23.0
100 13.1 10.4 15.6



#49
Dibromochloromethane
Concen: 9.904 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015167.D
Acq: 26 Mar 2020 13:07

Tgt Ion: 129 Resp: 48500
Ion Ratio Lower Upper
129 100
127 80.6 52.4 97.4

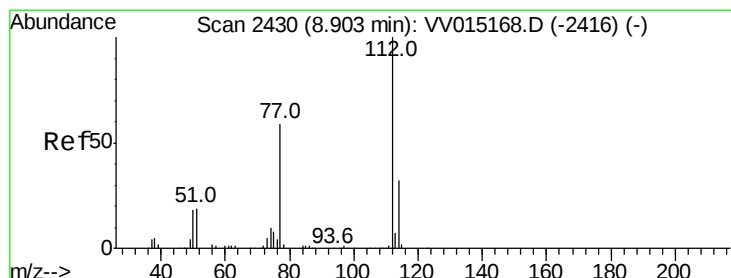
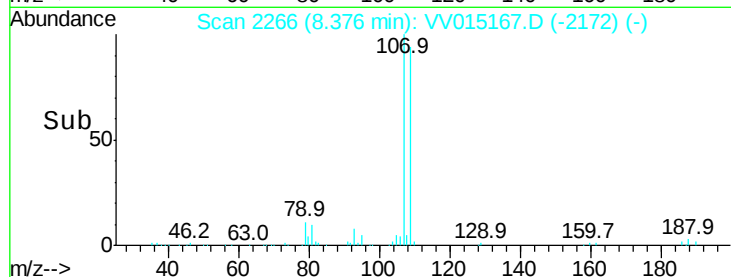
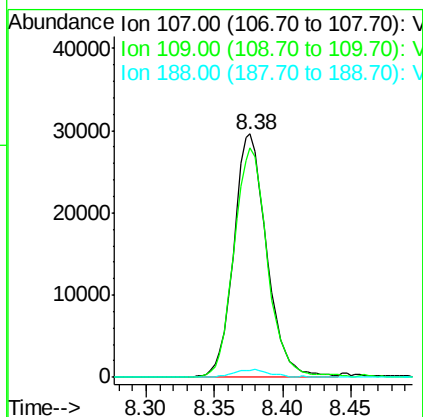
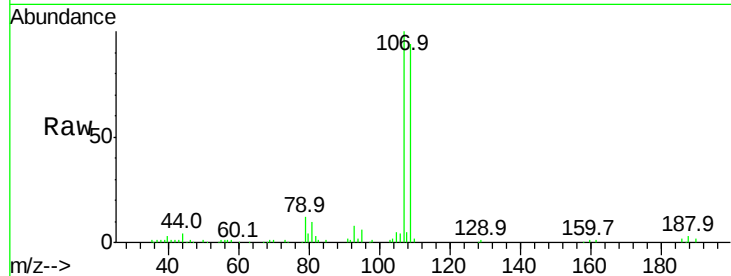




#50
 1,2-Dibromoethane
 Concen: 10.257 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

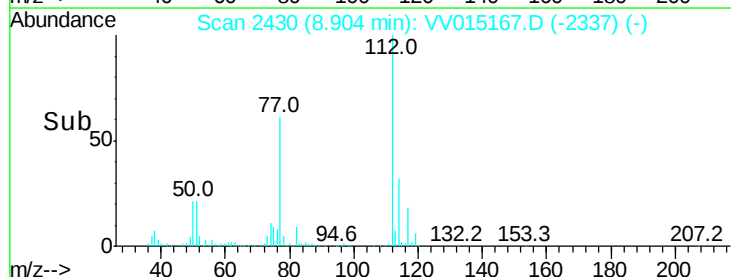
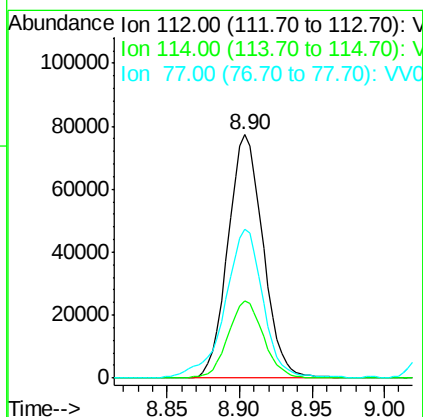
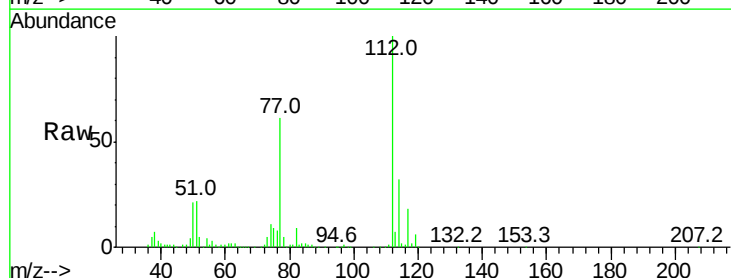
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

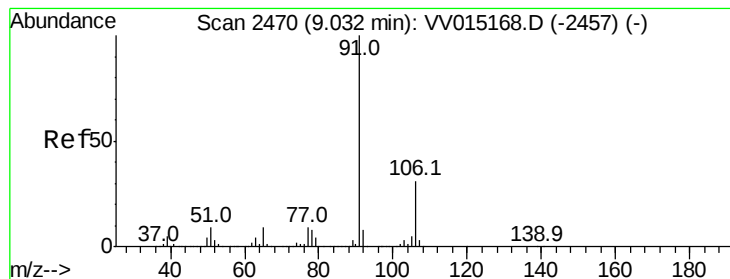
Tgt Ion:107 Resp: 49623
 Ion Ratio Lower Upper
 107 100
 109 94.1 64.5 119.9
 188 3.0 2.5 3.7



#51
 Chlorobenzene
 Concen: 10.311 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Tgt Ion:112 Resp: 130471
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.1 41.1
 77 61.4 47.3 70.9





#52

Ethylbenzene

Concen: 10.272 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

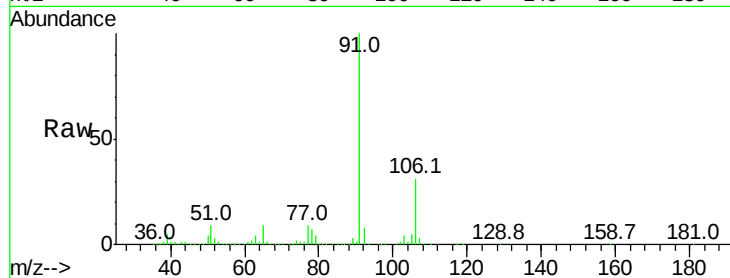
VSTD01063

Tgt Ion: 91 Resp: 229278

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV015168.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV015168.D (-2457) (-)

9.04

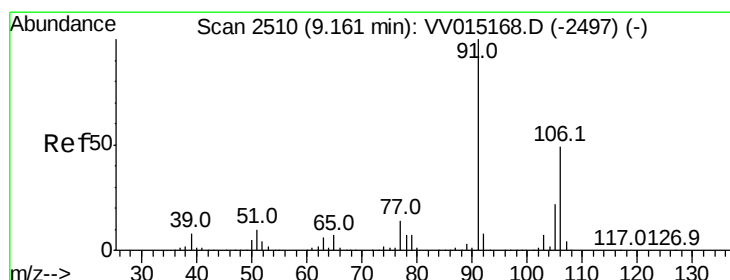
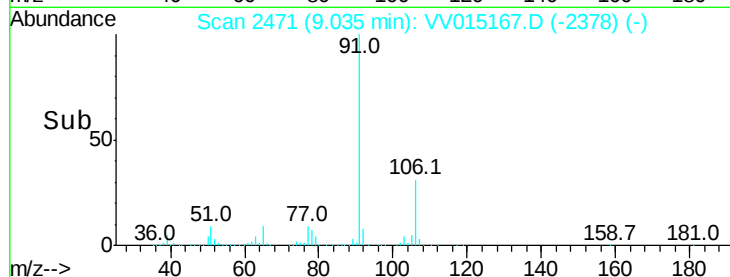
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10



#53

m,p-Xylene

Concen: 10.016 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015167.D

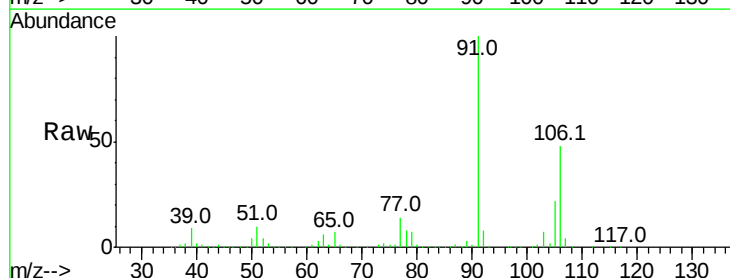
Acq: 26 Mar 2020 13:07

Tgt Ion: 106 Resp: 85293

Ion Ratio Lower Upper

106 100

91 210.2 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV015168.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV015168.D (-2497) (-)

9.16

120000

100000

80000

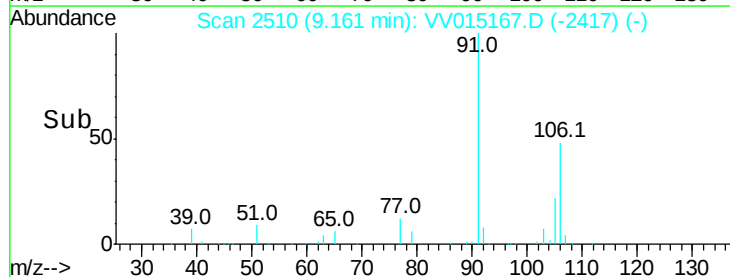
60000

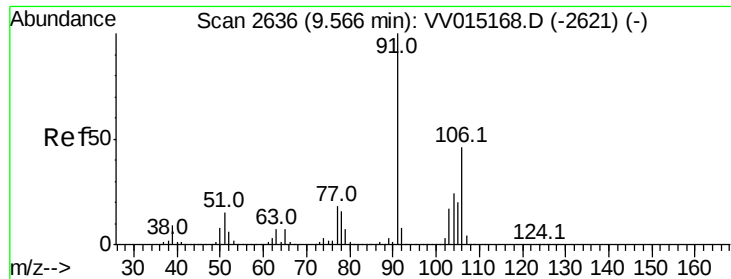
40000

20000

0

Time--> 9.10 9.15 9.20





#54

o-xylene

Concen: 10.381 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

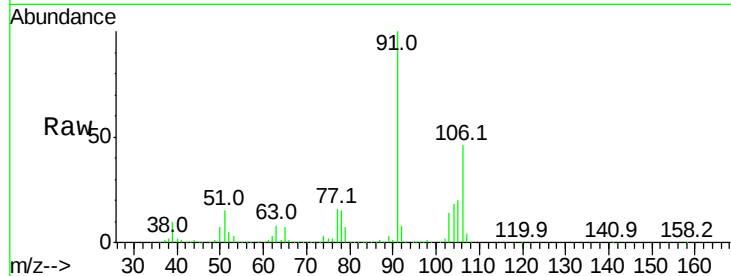
VSTD01063

Tgt Ion:106 Resp: 88788

Ion Ratio Lower Upper

106 100

91 216.9 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

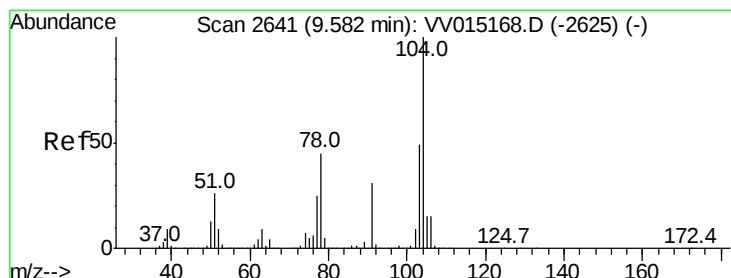
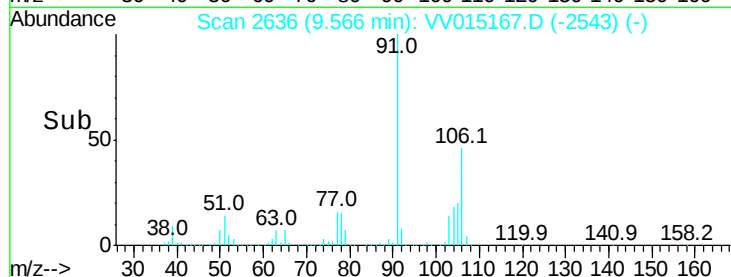
Ion 91.00 (90.70 to 91.70): VV0

100000

50000

9.57

Time-->



#55

Styrene

Concen: 9.917 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015167.D

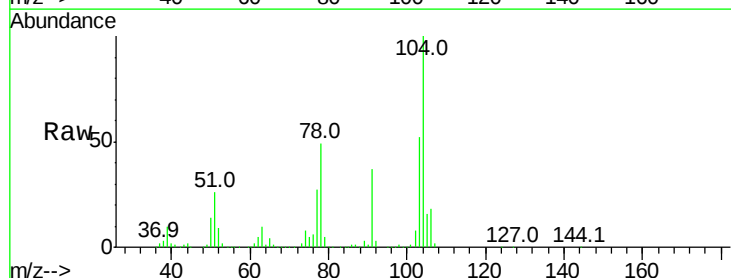
Acq: 26 Mar 2020 13:07

Tgt Ion:104 Resp: 143502

Ion Ratio Lower Upper

104 100

78 48.5 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

100000

80000

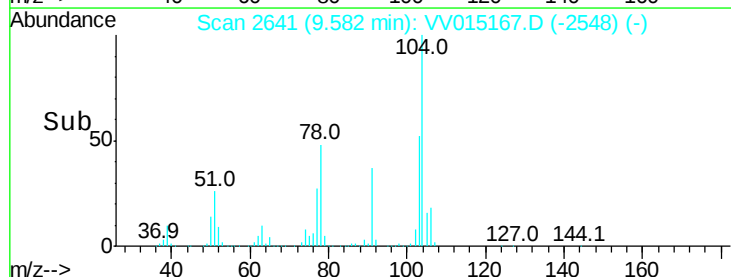
60000

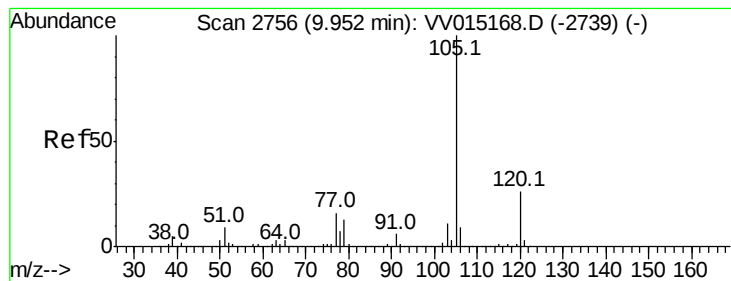
40000

20000

9.58

Time-->





#56

Isopropylbenzene

Concen: 10.224 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

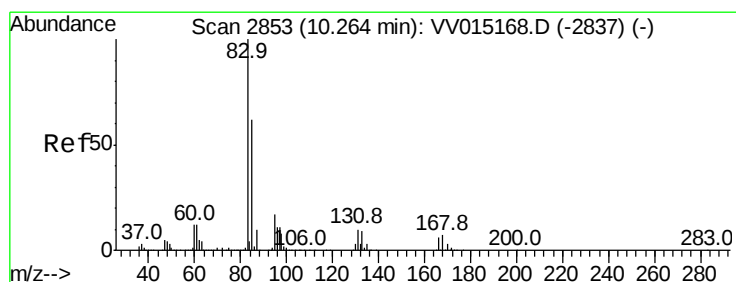
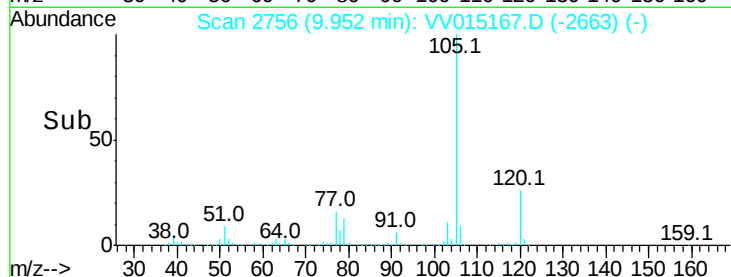
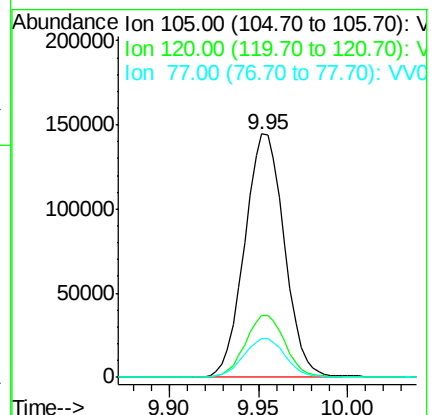
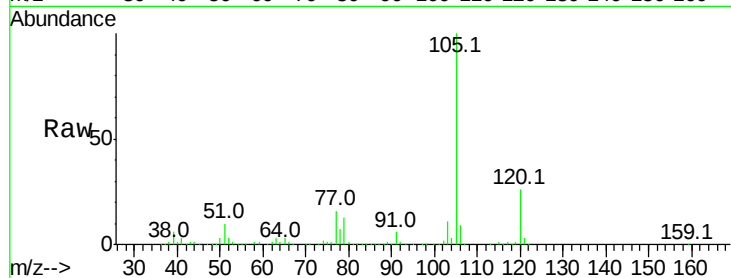
Tgt Ion: 105 Resp: 224497

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

77 16.5 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 10.679 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

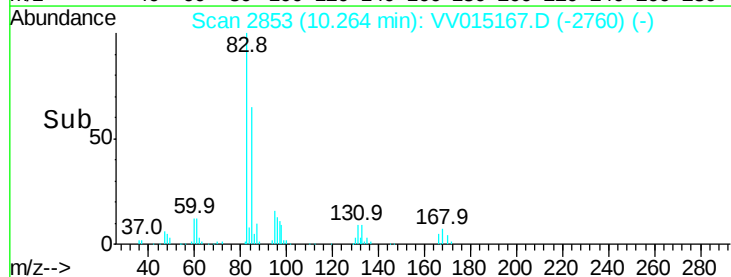
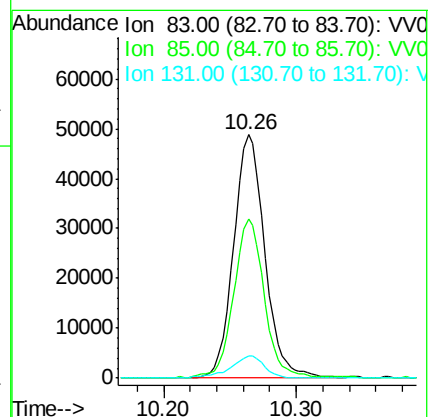
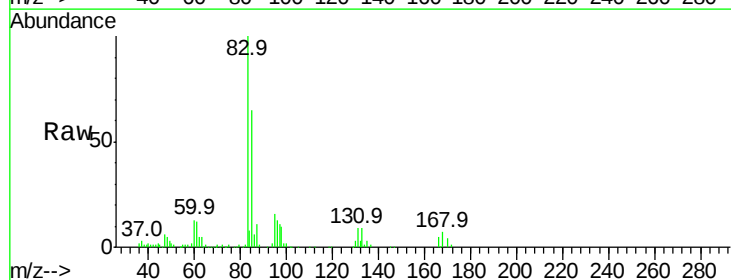
Tgt Ion: 83 Resp: 80001

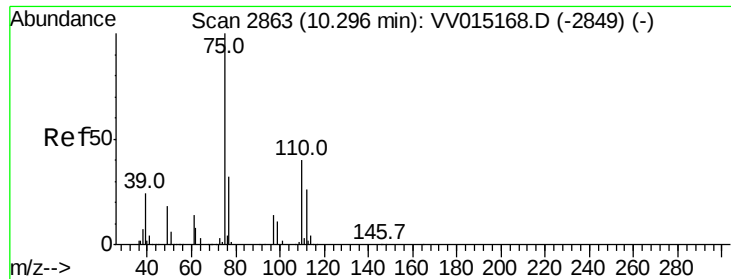
Ion Ratio Lower Upper

83 100

85 65.3 43.7 81.1

131 8.9 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 10.503 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

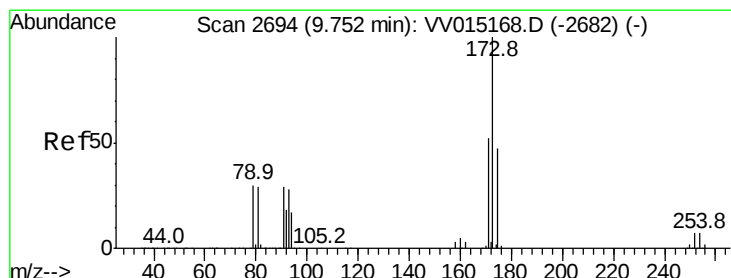
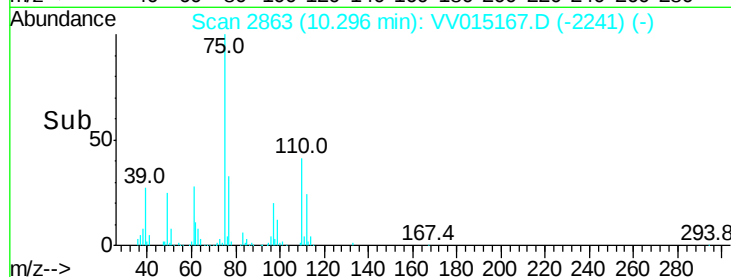
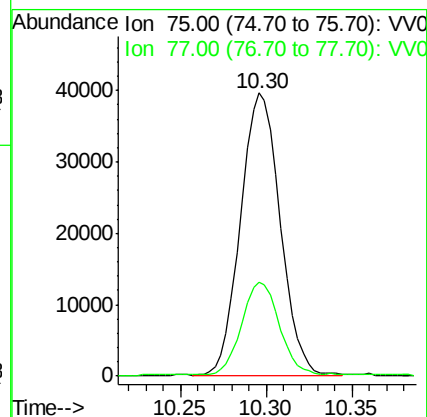
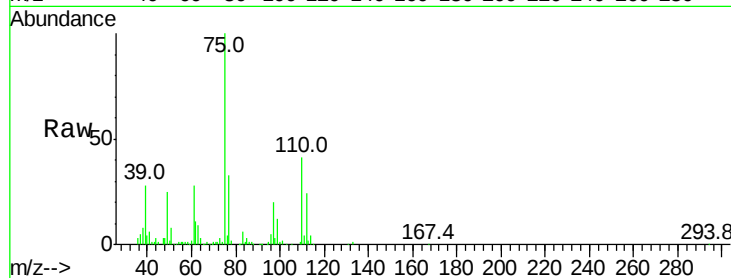
VSTD01063

Tgt Ion: 75 Resp: 63348

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3



#61

Bromoform

Concen: 9.867 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

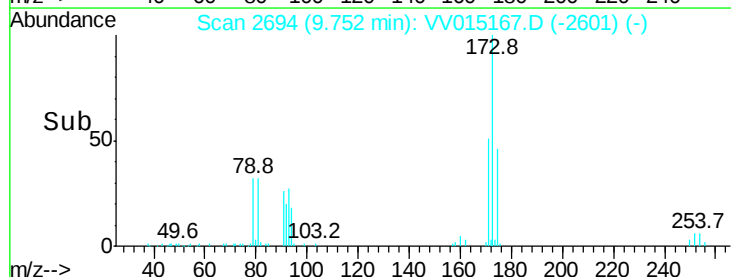
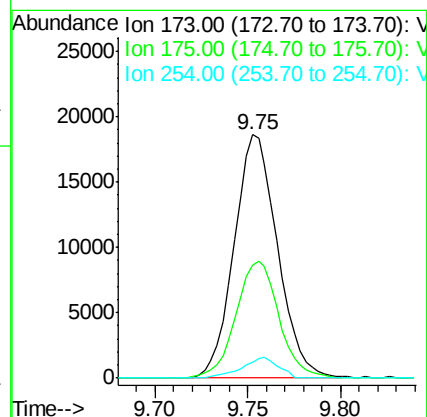
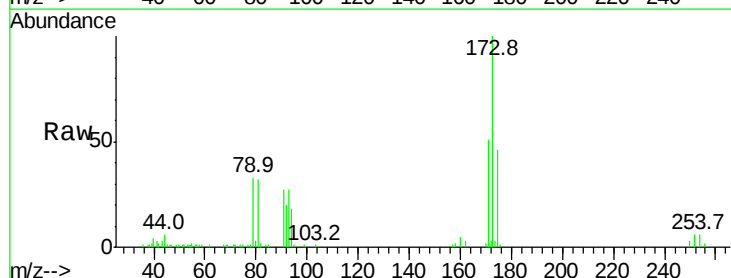
Tgt Ion: 173 Resp: 30227

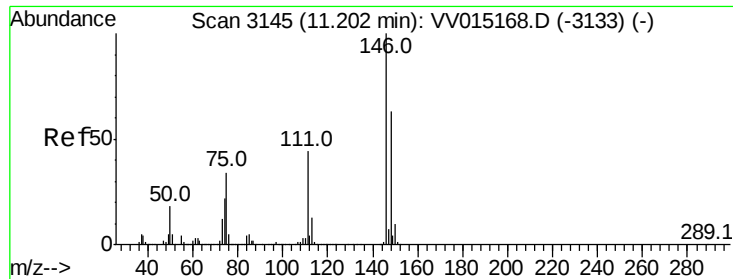
Ion Ratio Lower Upper

173 100

175 47.7 38.4 57.6

254 7.0 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 10.187 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

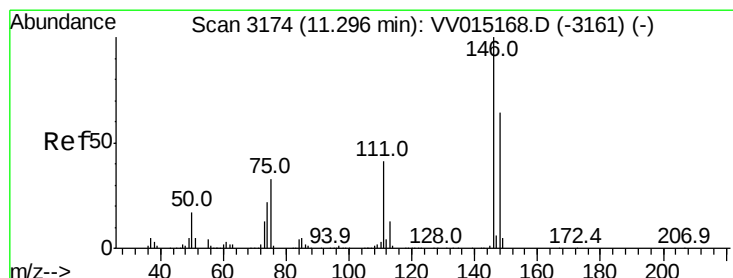
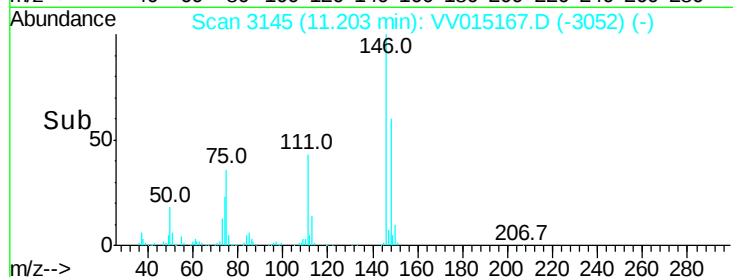
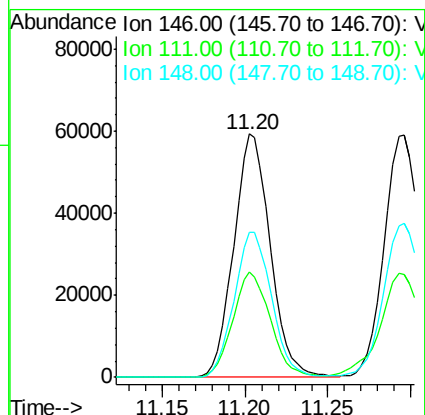
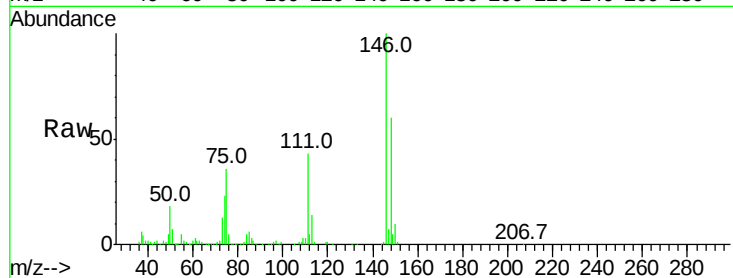
Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

Tgt Ion:	146	Resp:	90826
Ion	Ratio	Lower	Upper
146	100		
111	43.2	30.5	56.7
148	59.6	44.0	81.6



#63

1,4-Dichlorobenzene

Concen: 10.180 ug/L

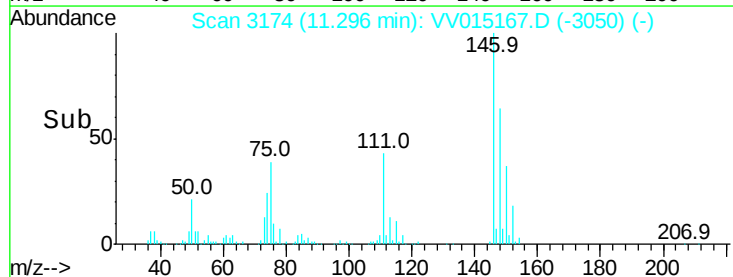
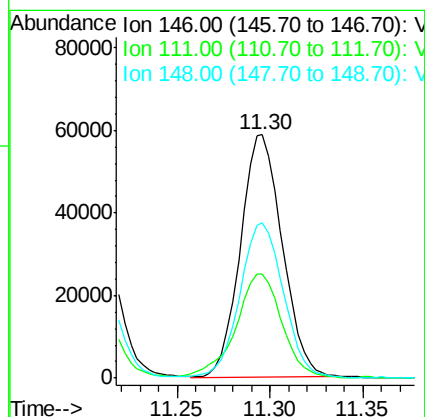
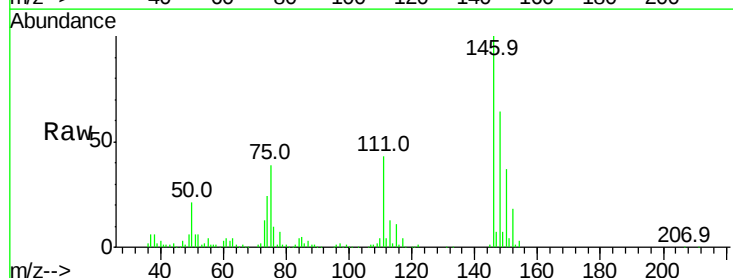
RT: 11.30 min Scan# 3174

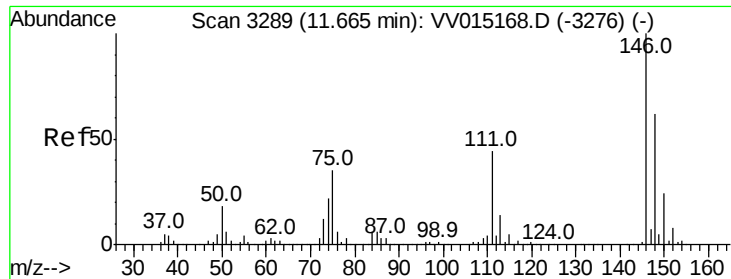
Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Tgt Ion:	146	Resp:	91686
Ion	Ratio	Lower	Upper
146	100		
111	42.7	29.2	54.2
148	63.9	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 10.394 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

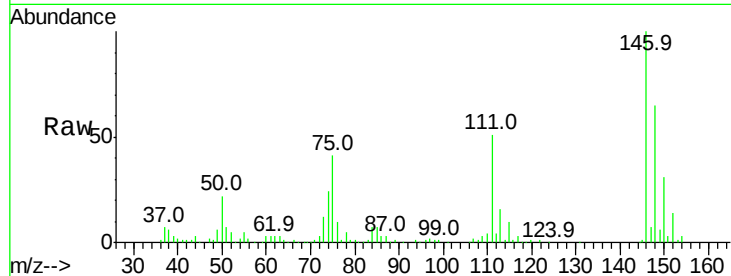
Tgt Ion:146 Resp: 93958

Ion Ratio Lower Upper

146 100

111 50.5 35.4 53.2

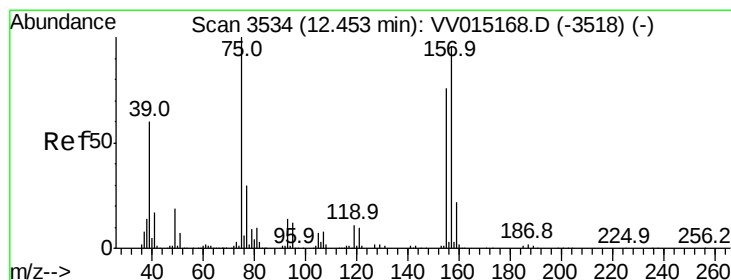
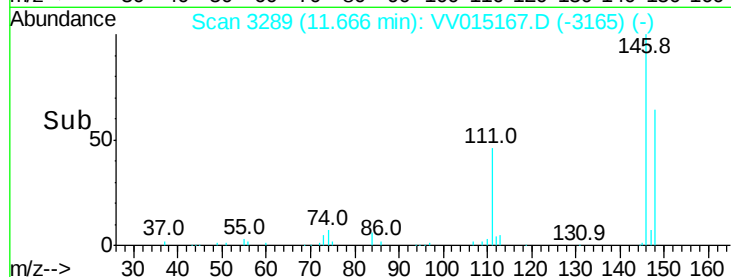
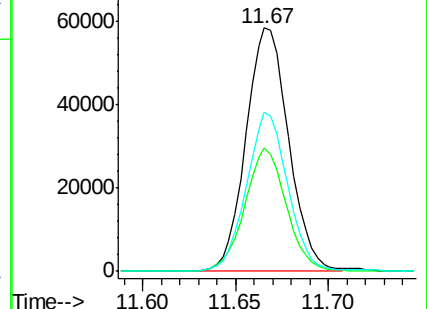
148 65.1 49.7 74.5



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: 10.769 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

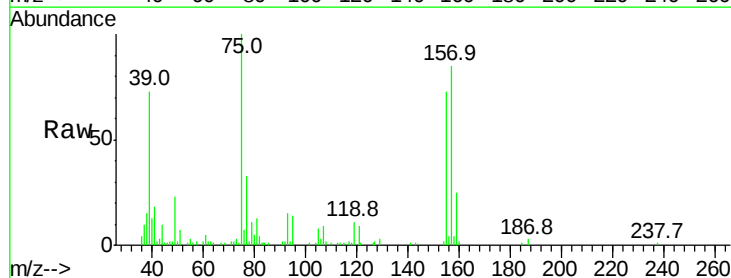
Tgt Ion: 75 Resp: 21628

Ion Ratio Lower Upper

75 100

155 73.1 60.5 90.7

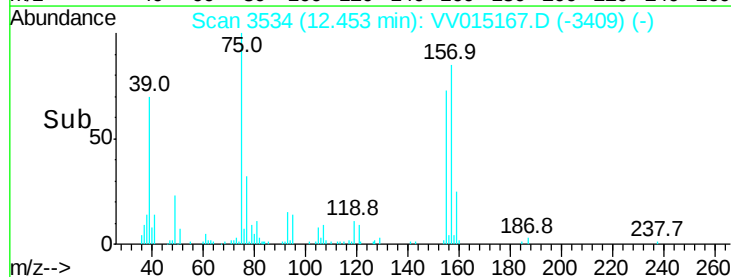
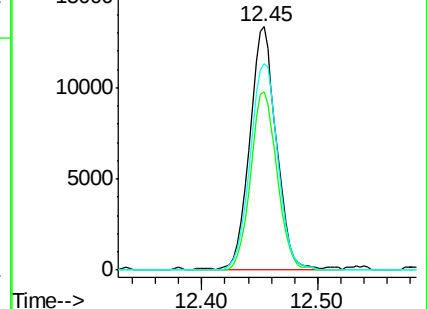
157 85.0 76.7 115.1

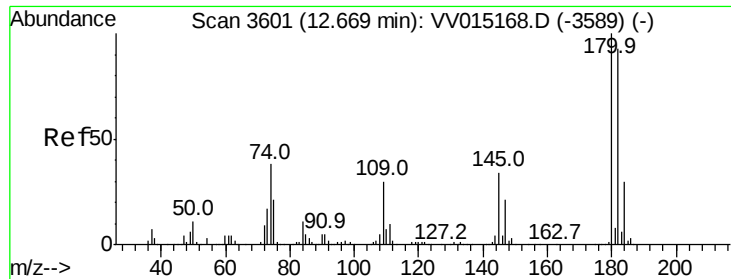


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

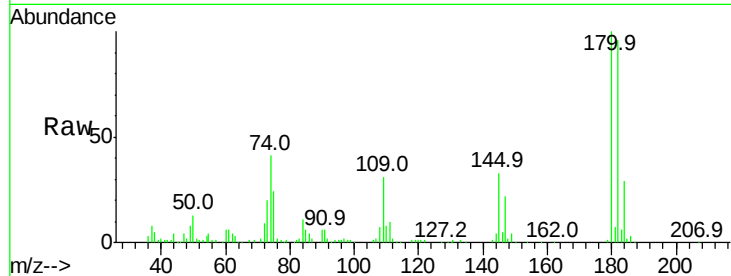




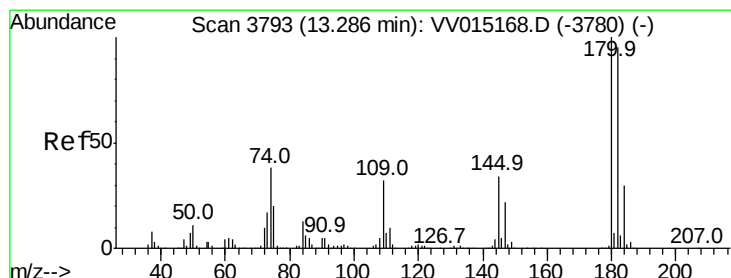
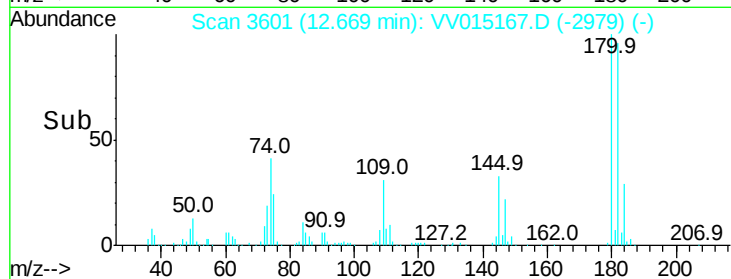
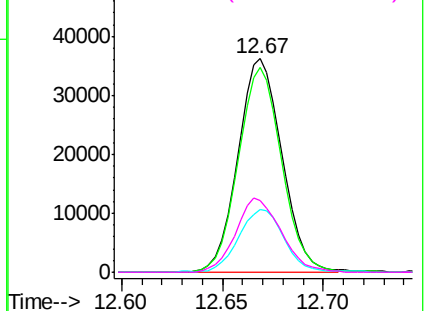
#67
 1,3,5-Trichlorobenzene
 Concen: 9.710 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01063

Tgt Ion:180 Resp: 55394
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 184 30.0 24.2 36.4
 145 35.8 27.6 41.4

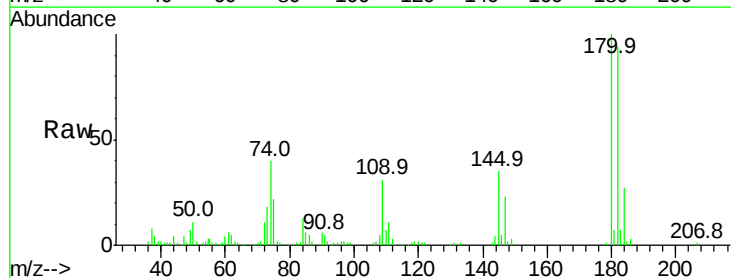


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

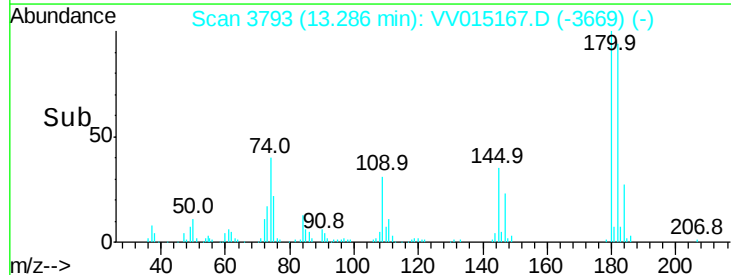
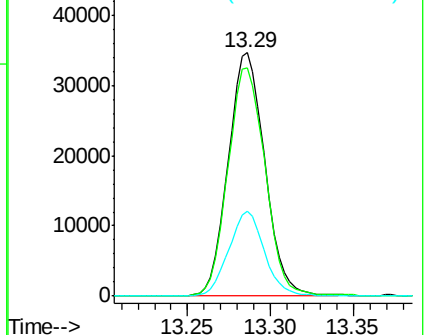


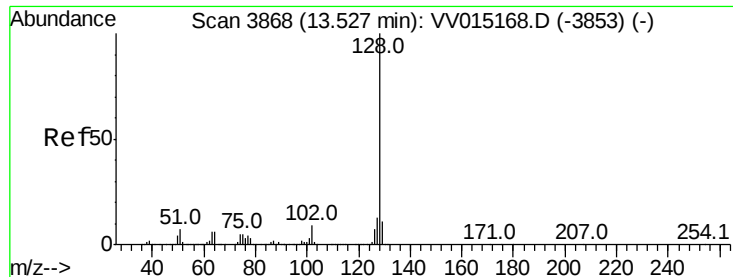
#68
 1,2,4-trichlorobenzene
 Concen: 9.810 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015167.D
 Acq: 26 Mar 2020 13:07

Tgt Ion:180 Resp: 53382
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.2 112.8
 145 33.9 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: 10.100 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01063

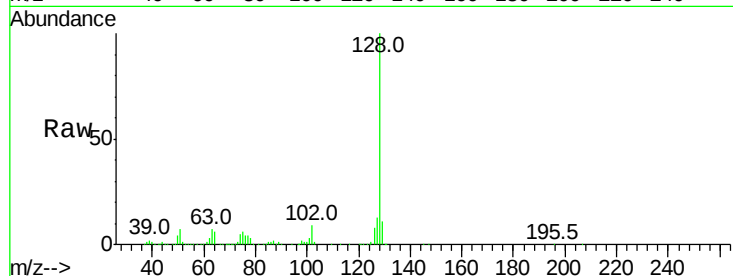
Tgt Ion:128 Resp: 220086

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

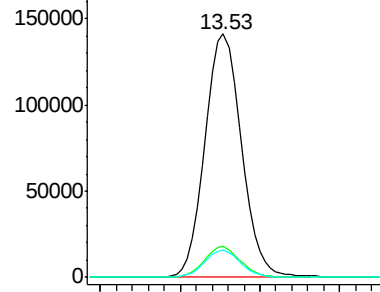
129 11.0 8.6 13.0



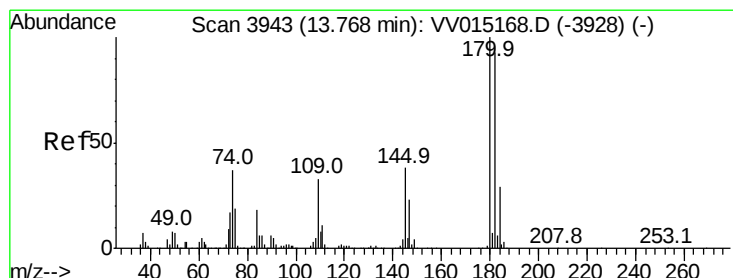
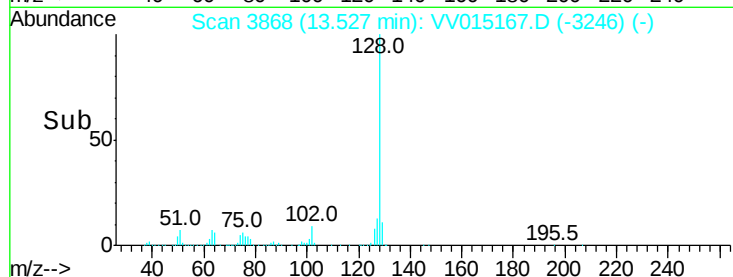
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 10.004 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015167.D

Acq: 26 Mar 2020 13:07

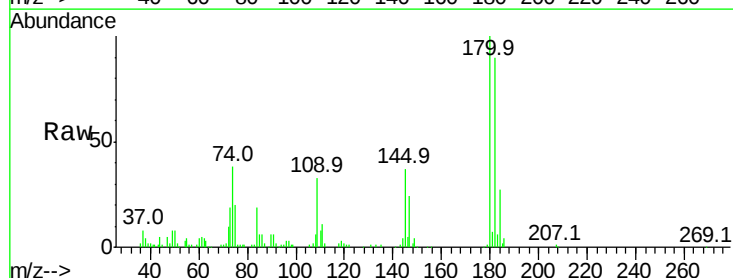
Tgt Ion:180 Resp: 54509

Ion Ratio Lower Upper

180 100

182 94.0 74.6 112.0

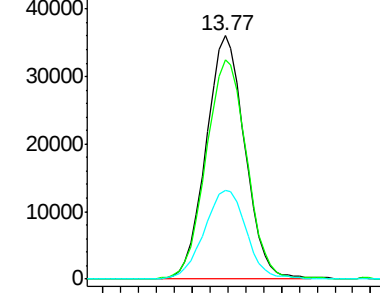
145 39.4 29.9 44.9



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



Time-->

