

Data File : VV015169.D
Acq On : 26 Mar 2020 13:56
Operator : SY/MD
Sample : VSTD10065
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Mar 27 21:01:12 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	686831	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	688460	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	330443	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	362755	98.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	196.88%#
7) Chloroethane-d5	1.58	69	362181	97.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	194.98%#
11) 1,1-Dichloroethene-d2	2.12	63	807445	96.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	192.18%#
21) 2-Butanone-d5	3.93	46	770013	209.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	209.86%#
24) Chloroform-d	4.38	84	809166	100.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	200.38%#
26) 1,2-Dichloroethane-d4	5.06	65	528081	99.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	198.10%#
32) Benzene-d6	5.08	84	1378302	97.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	194.66%#
36) 1,2-Dichloropropane-d6	6.09	67	490936	96.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	192.22%#
41) Toluene-d8	7.34	98	1260184	98.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	196.40%#
43) trans-1,3-Dichloropropene-	7.64	79	274438	98.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	197.28%#
47) 2-Hexanone-d5	8.11	63	604393	202.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	202.35%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	835399	96.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	192.60%#
64) 1,2-Dichlorobenzene-d4	11.65	152	599154	97.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	194.22%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	554241	91.454	ug/L	99
3) Chloromethane	1.25	50	613576	93.229	ug/L	99
5) Vinyl chloride	1.32	62	626153	92.879	ug/L	99
6) Bromomethane	1.53	94	403925	92.841	ug/L	100
8) Chloroethane	1.60	64	396030	89.842	ug/L	97
9) Trichlorofluoromethane	1.76	101	1059993	95.285	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	514481	91.443	ug/L	99
12) 1,1-Dichloroethene	2.13	96	510046	92.076	ug/L	94
13) Acetone	2.46	43	471877	185.952	ug/L	100
14) Carbon disulfide	2.31	76	1323221	93.150	ug/L	100
15) Methyl Acetate	2.46	43	495316	94.283	ug/L	100
16) Methylene chloride	2.52	84	482766	93.363	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	449356	93.340	ug/L	99
18) Methyl tert-butyl Ether	2.79	73	1515736	93.418	ug/L	99
19) 1,1-Dichloroethane	3.21	63	820013	92.215	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	498088	92.881	ug/L #	96
22) 2-Butanone	4.02	43	713304	178.671	ug/L	98

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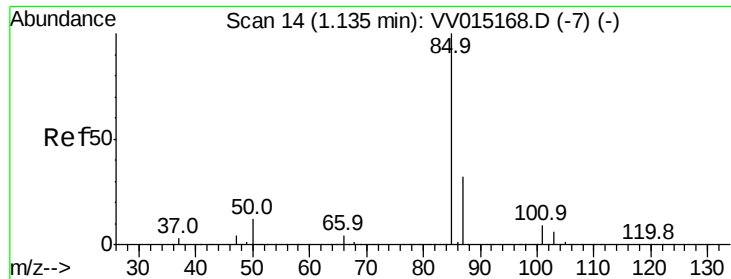
Quant Time: Mar 27 21:01:12 2020
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	244933	94.408	ug/L	98
25) Chloroform	4.41	83	853488	93.164	ug/L	100
27) 1,2-Dichloroethane	5.16	62	675528	93.011	ug/L	99
29) Cyclohexane	4.70	56	759660	90.155	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	790932	90.720	ug/L	100
31) Carbon tetrachloride	4.86	117	673522	91.906	ug/L	100
33) Benzene	5.13	78	1875515	91.505	ug/L	100
34) Trichloroethene	5.94	95	496119	92.918	ug/L	99
35) Methylcyclohexane	6.15	83	803629	90.571	ug/L	99
37) 1,2-Dichloropropane	6.20	63	475712	90.777	ug/L	99
38) Bromodichloromethane	6.53	83	682927	91.954	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	825282	94.217	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	1452438	183.789	ug/L	99
42) Toluene	7.41	91	2119343	92.683	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	805451	94.182	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	476630	92.911	ug/L	99
46) Tetrachloroethene	8.00	164	339994	94.755	ug/L	98
48) 2-Hexanone	8.16	43	1161398	186.106	ug/L	98
49) Dibromochloromethane	8.27	129	542289	95.944	ug/L	97
50) 1,2-Dibromoethane	8.37	107	526026	94.204	ug/L	97
51) Chlorobenzene	8.90	112	1351739	92.548	ug/L	99
52) Ethylbenzene	9.03	91	2404841	93.345	ug/L	100
53) m,p-Xylene	9.16	106	925034	94.116	ug/L	98
54) o-xylene	9.57	106	921573	93.351	ug/L	97
55) Styrene	9.58	104	1590378	95.218	ug/L	99
56) Isopropylbenzene	9.95	105	2400819	94.725	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	791731	91.561	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	643746	92.470	ug/L	99
61) Bromoform	9.75	173	363881	95.581	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1036103	93.516	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	1043353	93.221	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1033774	92.029	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	220944	88.530	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	677130	95.512	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	647885	95.809	ug/L	100
69) Naphthalene	13.53	128	2577877	95.195	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	651326	96.192	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 91.454 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

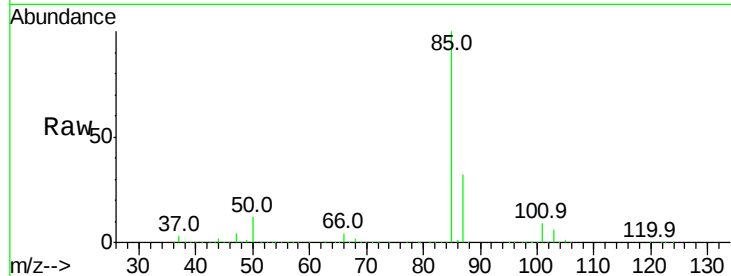
VSTD10065

Tgt Ion: 85 Resp: 554241

Ion Ratio Lower Upper

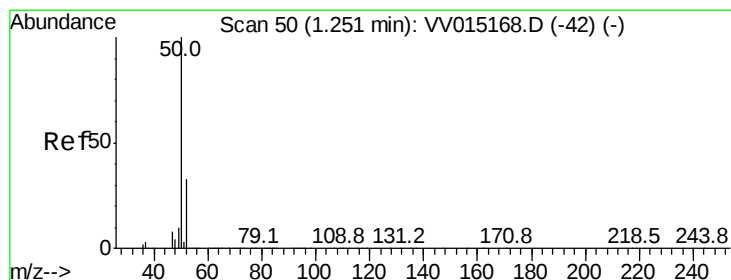
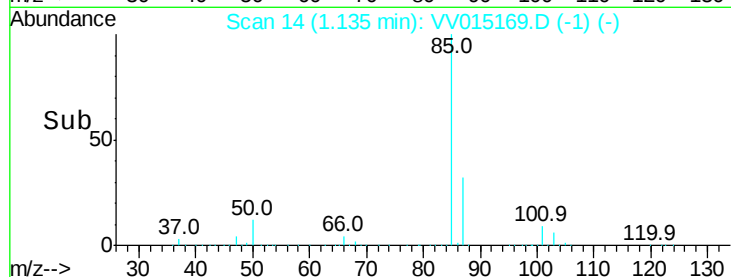
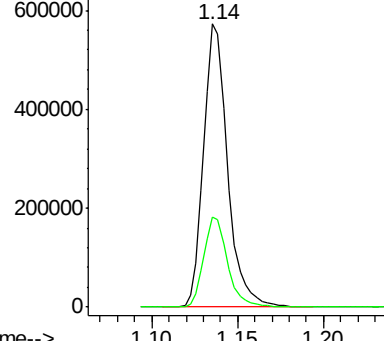
85 100

87 32.0 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: 93.229 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015169.D

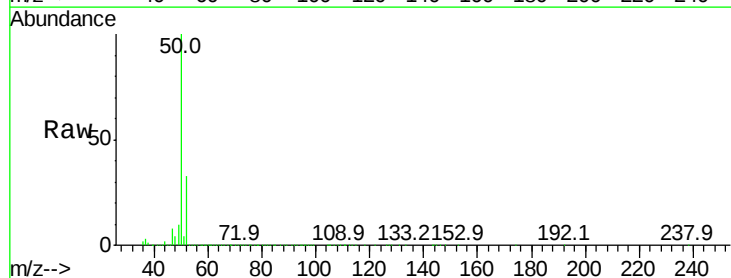
Acq: 26 Mar 2020 13:56

Tgt Ion: 50 Resp: 613576

Ion Ratio Lower Upper

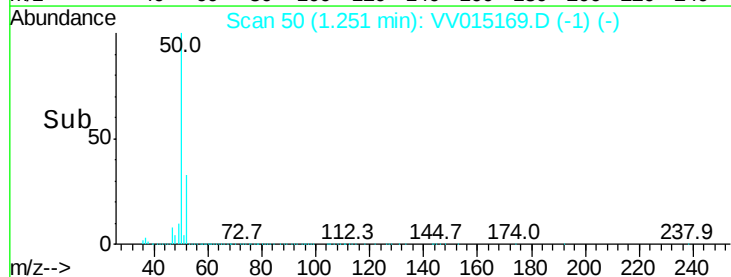
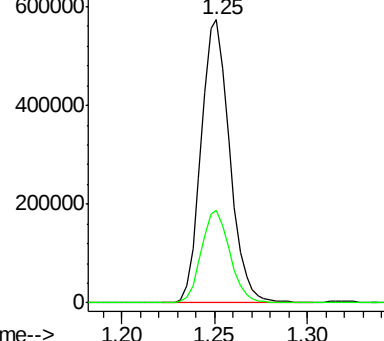
50 100

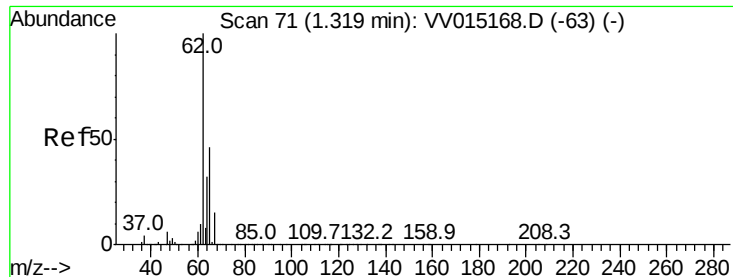
52 32.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 92.879 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

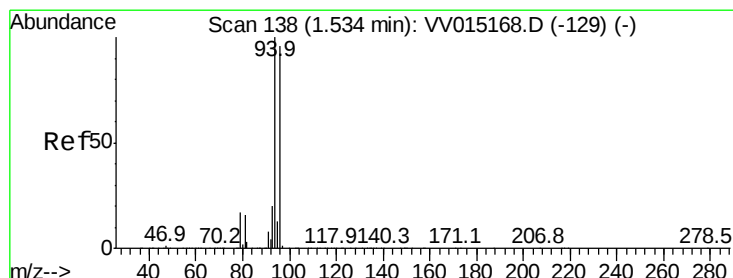
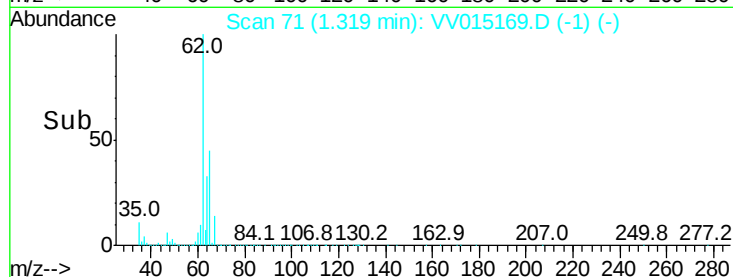
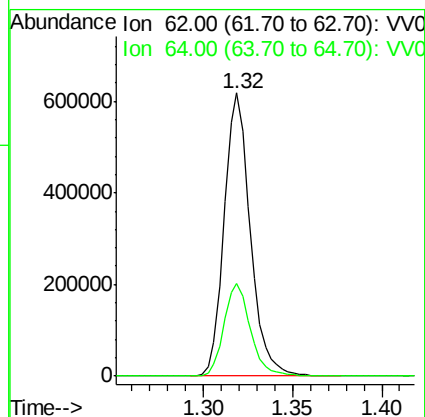
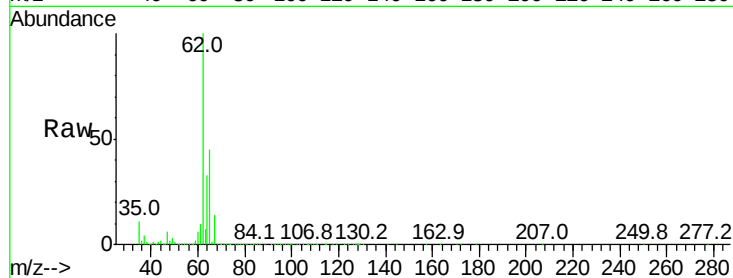
VSTD10065

Tgt Ion: 62 Resp: 626153

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#6

Bromomethane

Concen: 92.841 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV015169.D

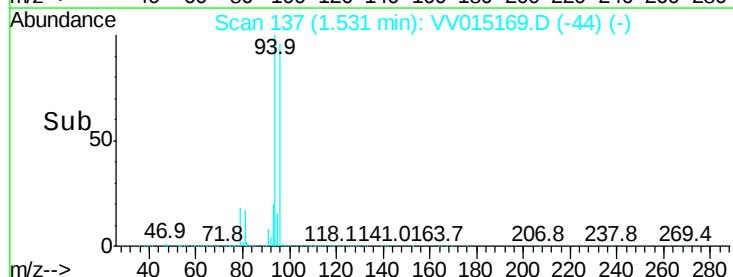
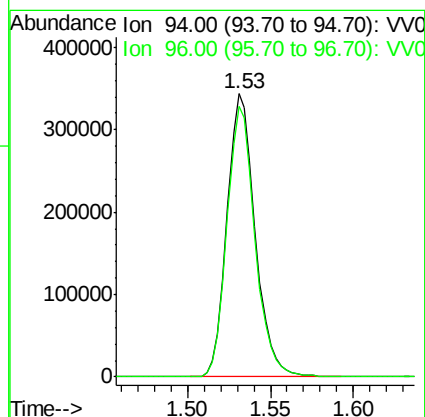
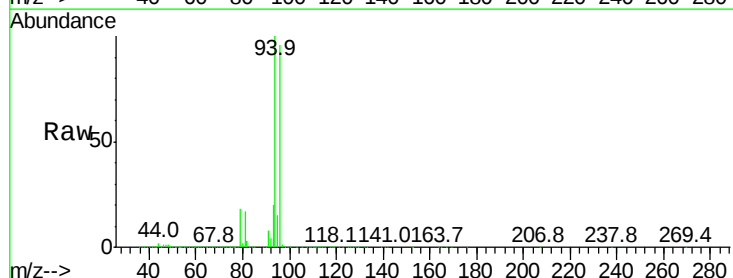
Acq: 26 Mar 2020 13:56

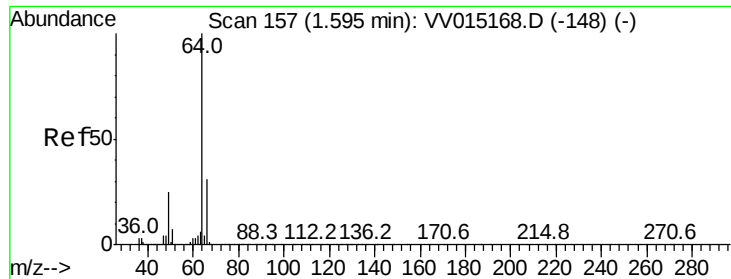
Tgt Ion: 94 Resp: 403925

Ion Ratio Lower Upper

94 100

96 95.8 67.1 124.7

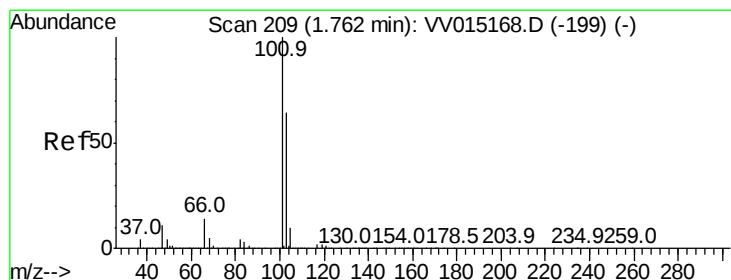
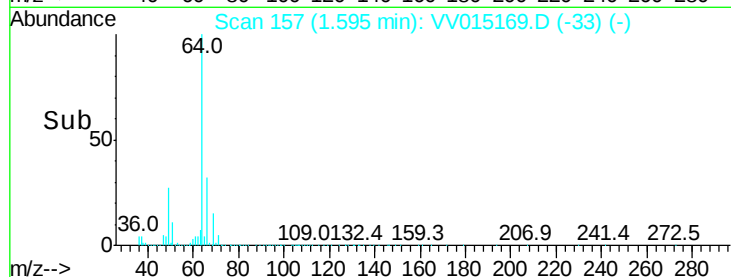
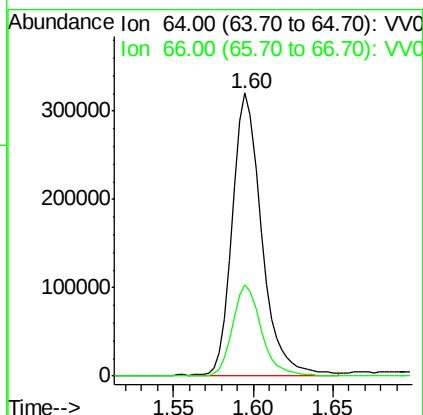
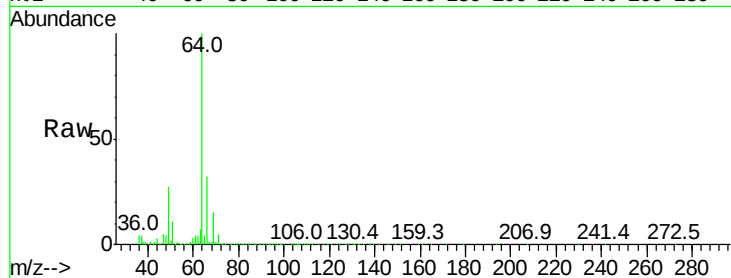




#8
Chloroethane
Concen: 89.842 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV015169.D
Acq: 26 Mar 2020 13:56

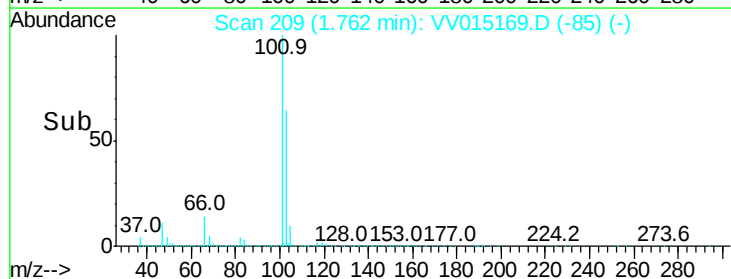
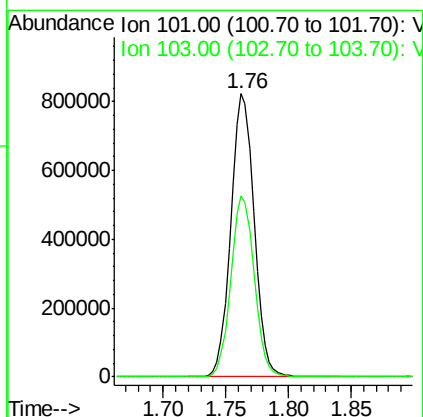
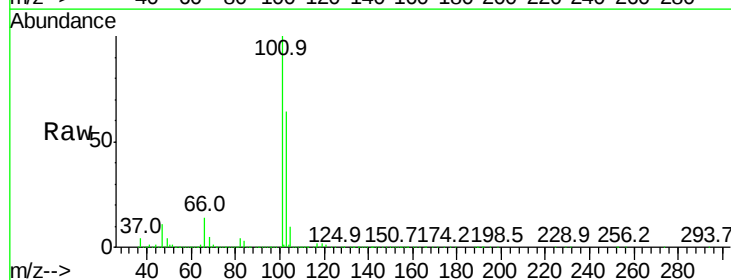
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

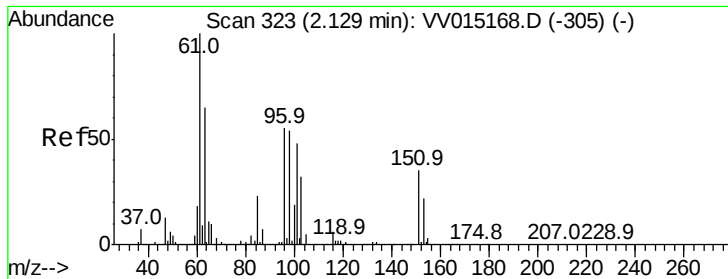
Tgt Ion: 64 Resp: 396030
Ion Ratio Lower Upper
64 100
66 32.3 21.6 40.2



#9
Trichlorofluoromethane
Concen: 95.285 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV015169.D
Acq: 26 Mar 2020 13:56

Tgt Ion: 101 Resp: 1059993
Ion Ratio Lower Upper
101 100
103 64.1 50.8 76.2





#10

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

Concen: 91.443 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

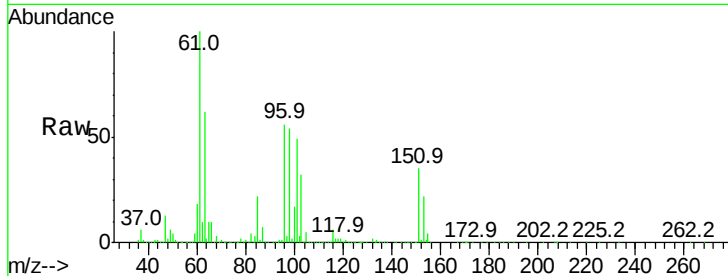
Tgt Ion: 101 Resp: 514481

Ion Ratio Lower Upper

101 100

85 45.6 37.1 55.7

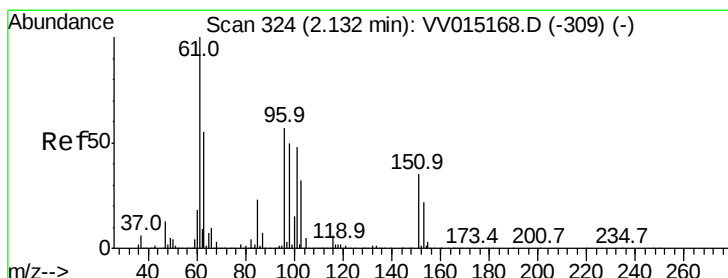
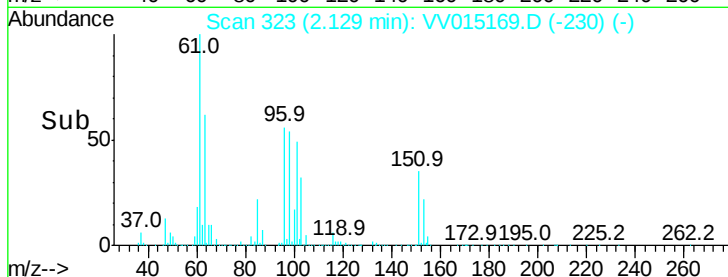
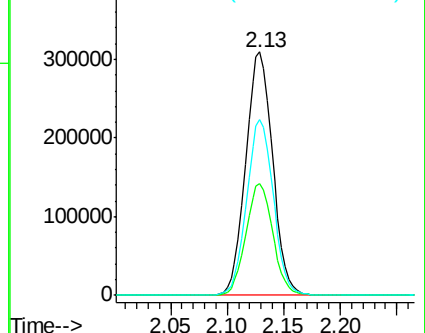
151 71.4 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): VV015169.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015169.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015169.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 92.076 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

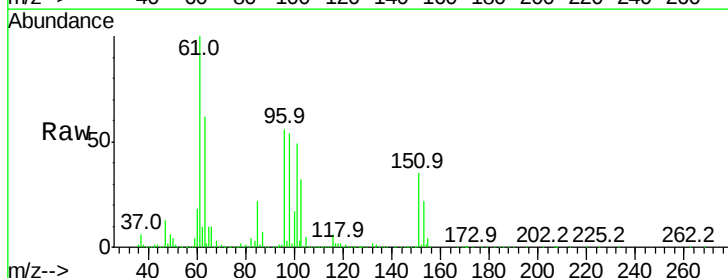
Tgt Ion: 96 Resp: 510046

Ion Ratio Lower Upper

96 100

61 177.8 122.3 227.1

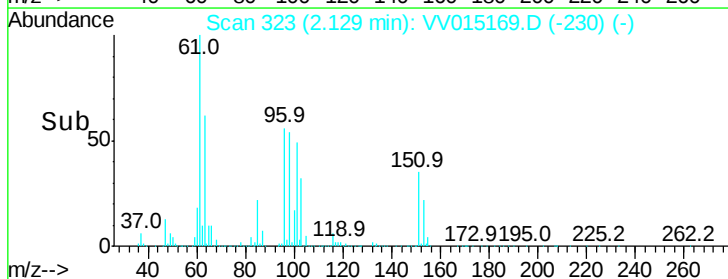
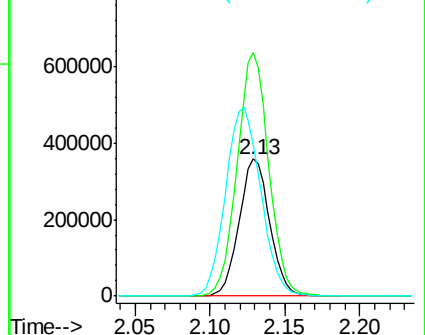
63 110.6 67.9 126.1

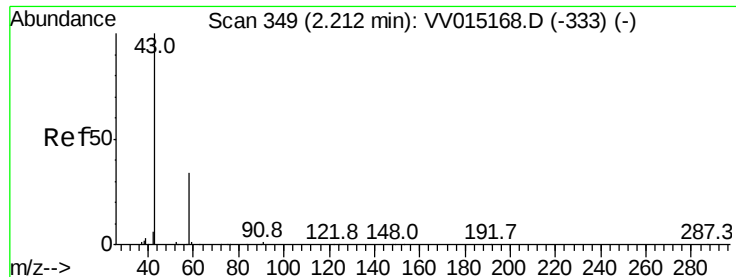


Abundance Ion 96.00 (95.70 to 96.70): VV015169.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV015169.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015169.D (-230) (-)





#13

Acetone

Concen: 185.952 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.24 min

Lab File: VV015169.D

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MSVOA_V

ClientSampleId :

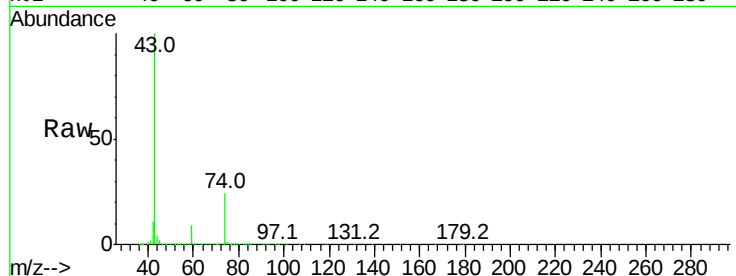
VSTD10065

Tgt Ion: 43 Resp: 471877

Ion Ratio Lower Upper

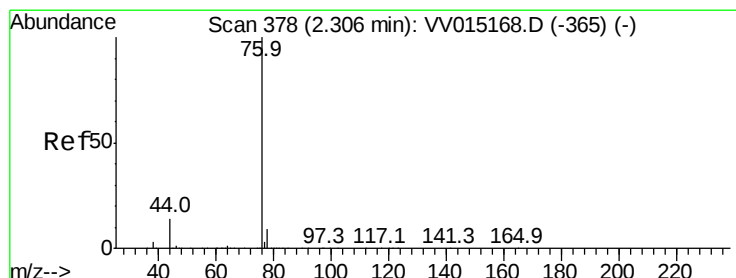
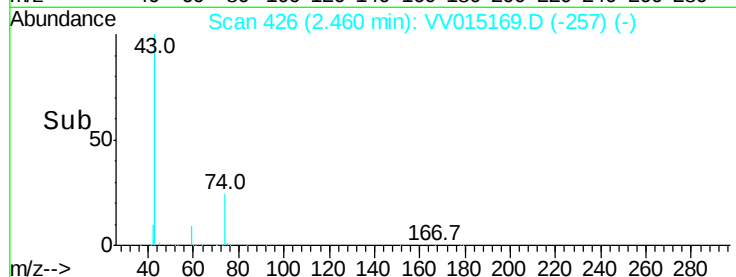
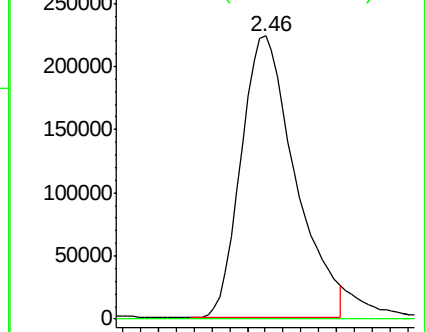
43 100

58 0.0 0.0 0.2



Abundance Ion 43.00 (42.70 to 43.70): VV015169.D (-426) (-)

Ion 58.00 (57.70 to 58.70): VV015169.D (-426) (-)



#14

Carbon disulfide

Concen: 93.150 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015169.D

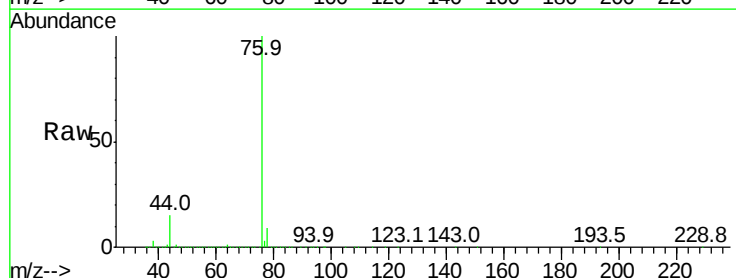
Acq: 26 Mar 2020 13:56

Tgt Ion: 76 Resp: 1323221

Ion Ratio Lower Upper

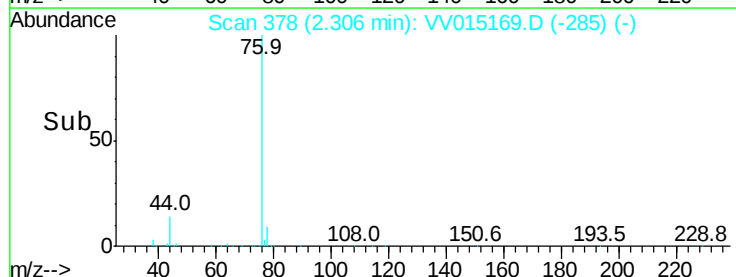
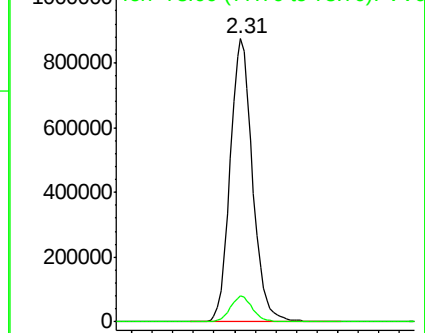
76 100

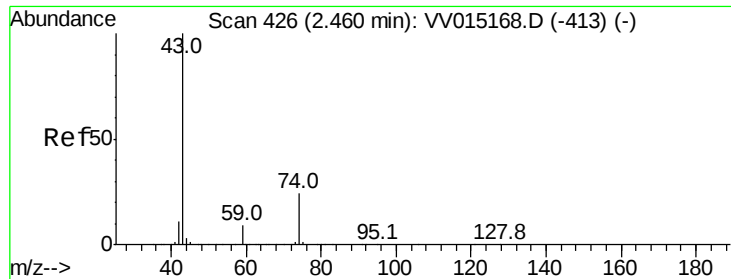
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV015169.D (-378) (-)

Ion 78.00 (77.70 to 78.70): VV015169.D (-378) (-)

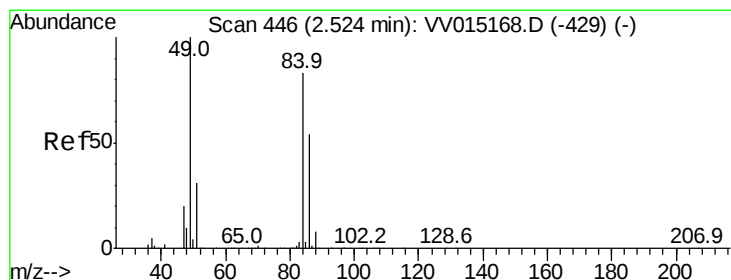
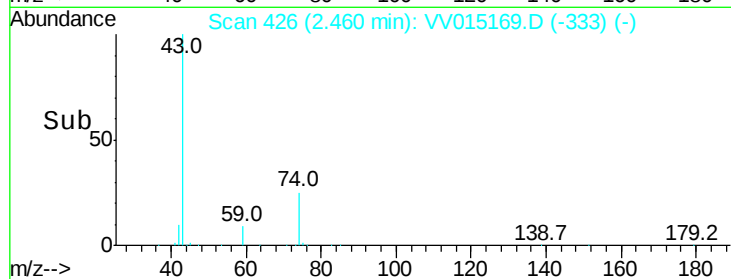
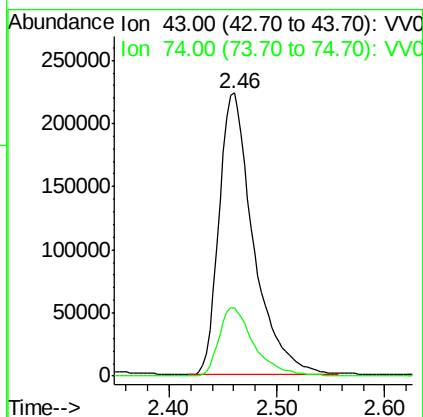
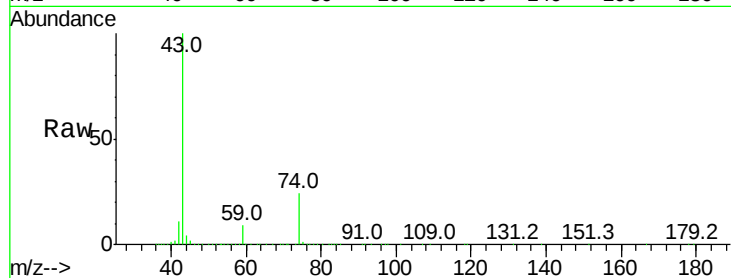




#15
Methyl Acetate
Concen: 94.283 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015169.D
Acq: 26 Mar 2020 13:56

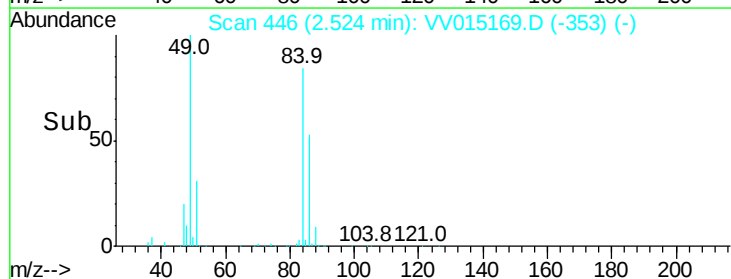
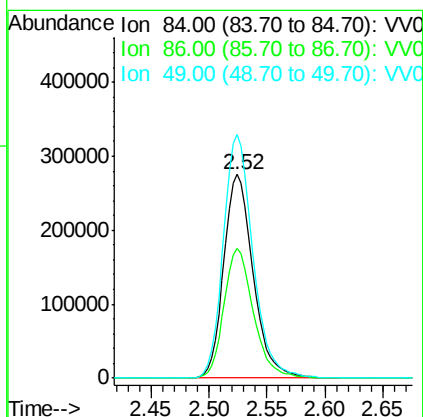
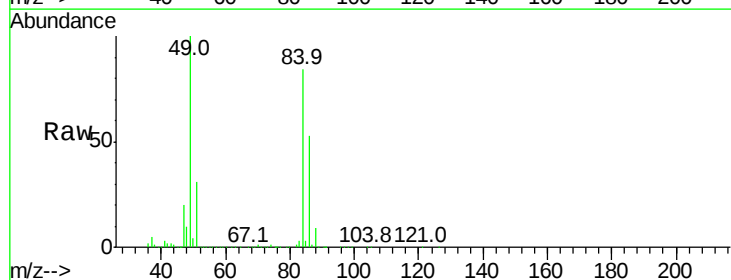
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

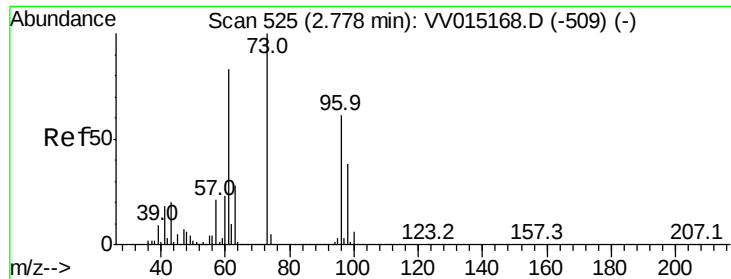
Tgt Ion: 43 Resp: 495316
Ion Ratio Lower Upper
43 100
74 24.9 20.0 30.0



#16
Methylene chloride
Concen: 93.363 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV015169.D
Acq: 26 Mar 2020 13:56

Tgt Ion: 84 Resp: 482766
Ion Ratio Lower Upper
84 100
86 63.6 45.1 83.9
49 119.7 84.2 156.4

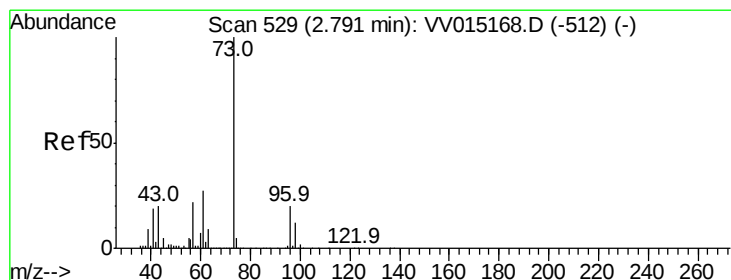
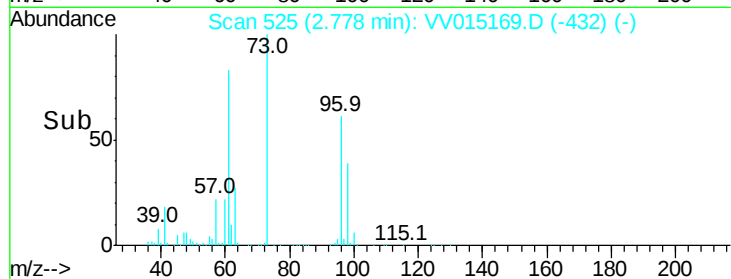
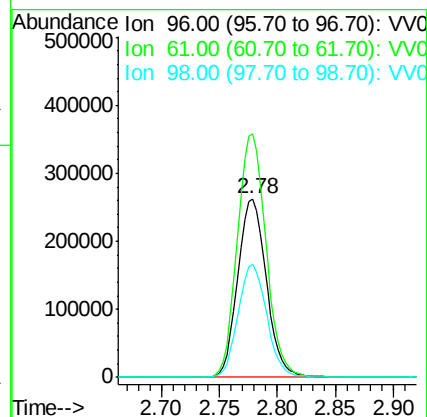
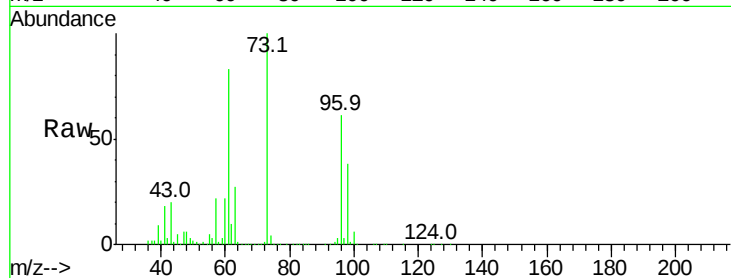




#17
 trans-1,2-Dichloroethene
 Concen: 93.340 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

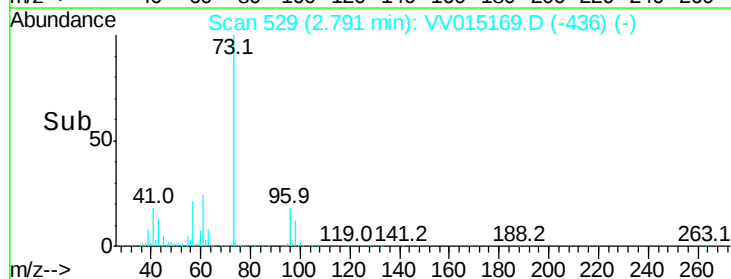
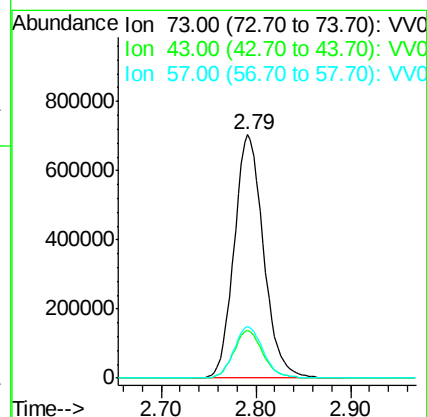
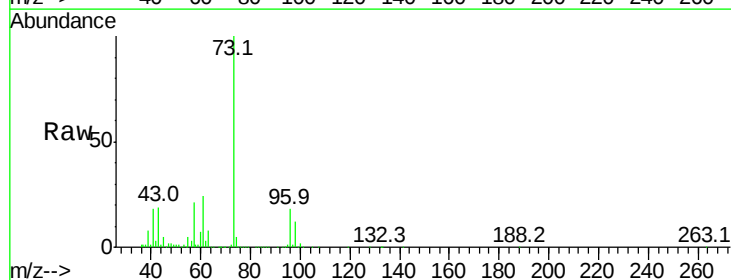
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

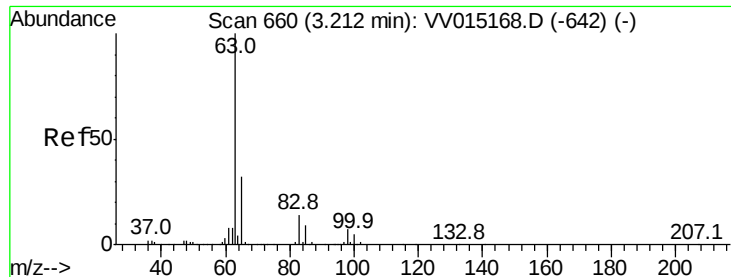
Tgt Ion: 96 Resp: 449356
 Ion Ratio Lower Upper
 96 100
 61 136.2 96.4 179.0
 98 62.9 43.8 81.4



#18
 Methyl tert-butyl Ether
 Concen: 93.418 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion: 73 Resp: 1515736
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.8 23.6
 57 21.1 17.1 25.7





#19

1,1-Dichloroethane

Concen: 92.215 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

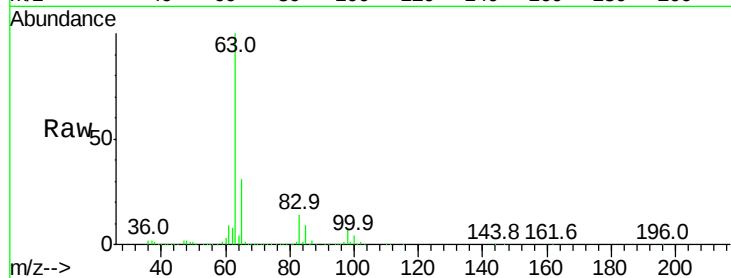
Tgt Ion: 63 Resp: 820013

Ion Ratio Lower Upper

63 100

65 30.9 22.2 41.2

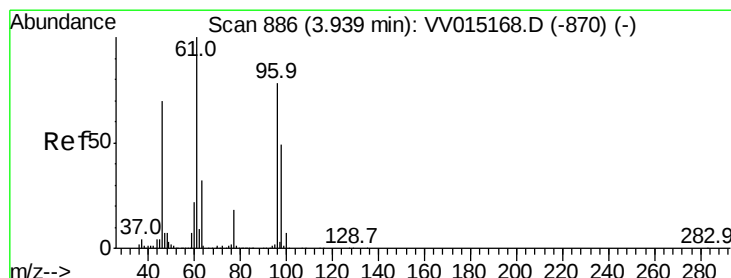
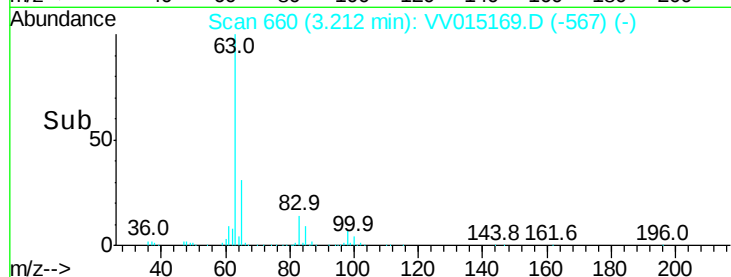
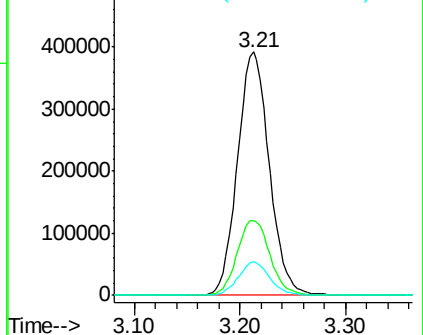
83 13.6 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 92.881 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

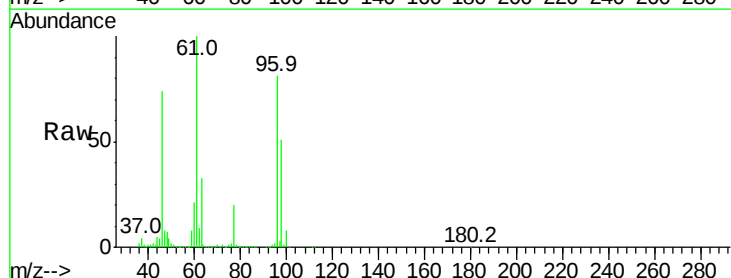
Tgt Ion: 96 Resp: 498088

Ion Ratio Lower Upper

96 100

61 123.8 90.2 167.4

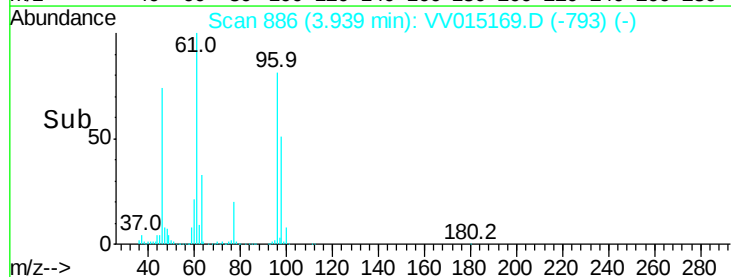
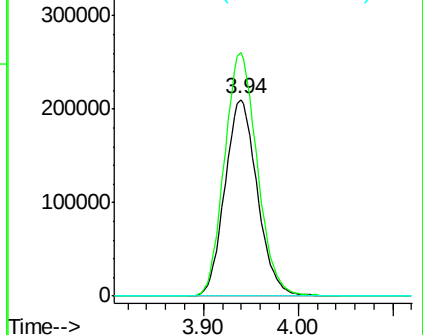
68 0.1 0.1 0.3#

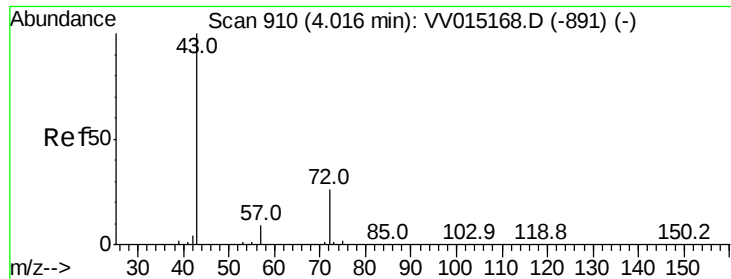


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 178.671 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.01 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

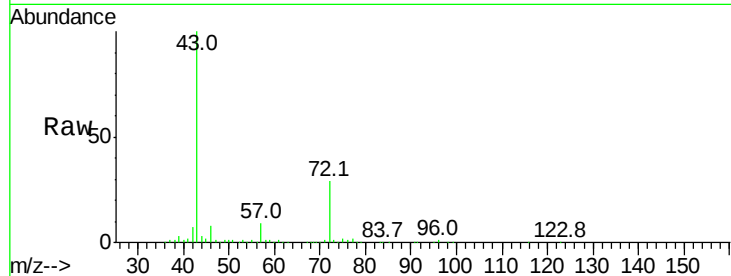
VSTD10065

Tgt Ion: 43 Resp: 713304

Ion Ratio Lower Upper

43 100

72 26.9 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV015168.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV015168.D (-891) (-)

4.02

200000

150000

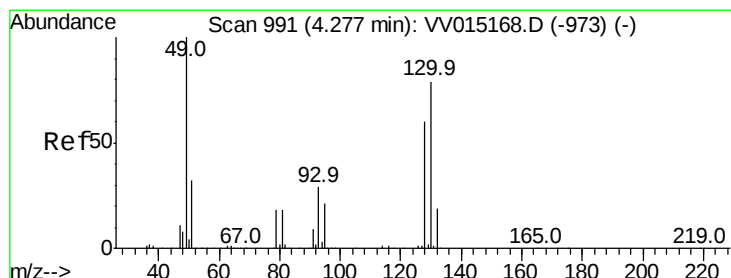
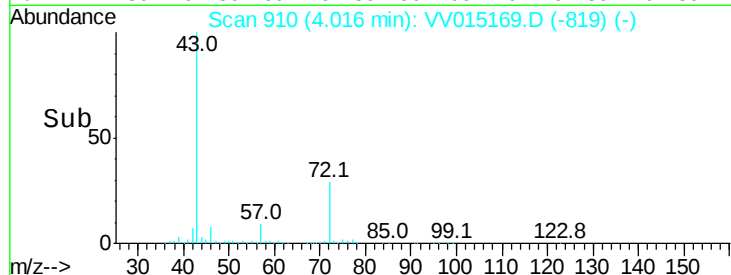
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 94.408 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Tgt Ion: 128 Resp: 244933

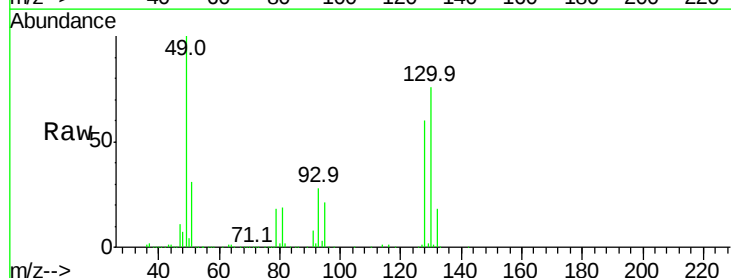
Ion Ratio Lower Upper

128 100

49 167.5 116.5 216.3

130 126.9 91.4 169.8

51 52.7 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): VV015168.D (-973) (-)

Ion 49.00 (48.70 to 49.70): VV015168.D (-973) (-)

Ion 130.00 (129.70 to 130.70): VV015168.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VV015168.D (-973) (-)

250000

200000

150000

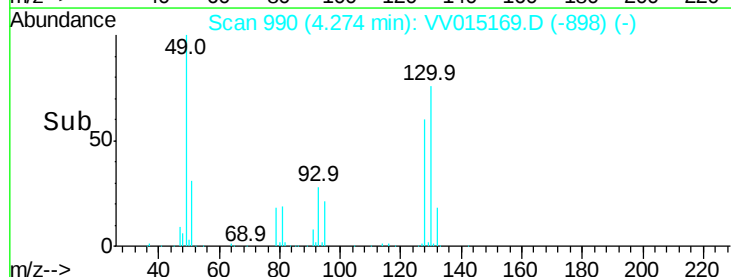
100000

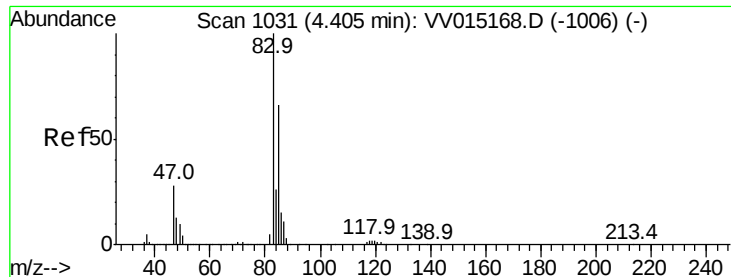
50000

0

4.20 4.30 4.40

Time-->





#25

Chloroform

Concen: 93.164 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

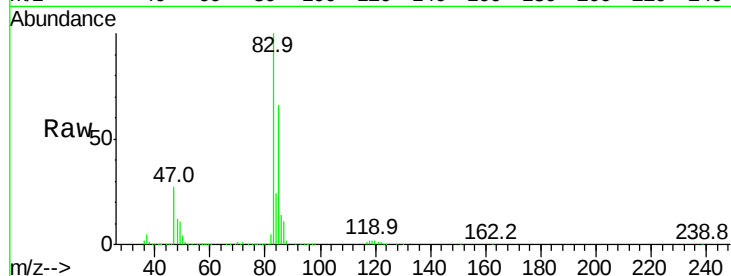
VSTD10065

Tgt Ion: 83 Resp: 853488

Ion Ratio Lower Upper

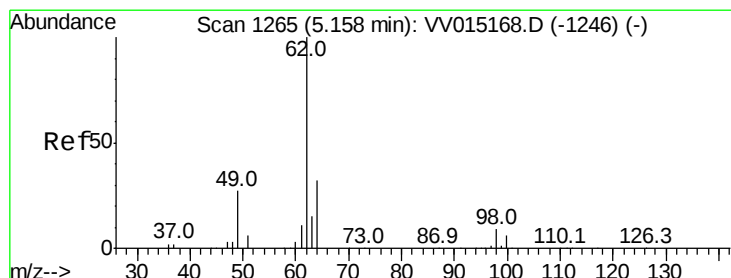
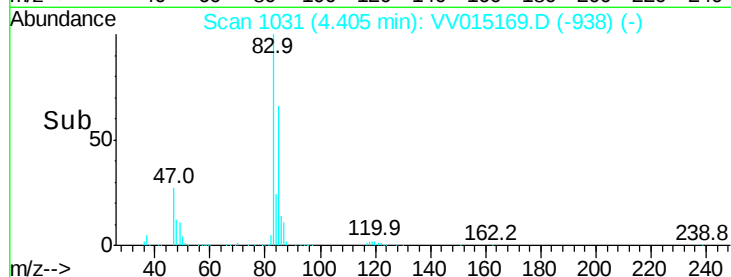
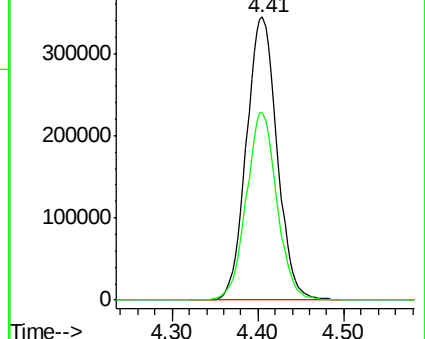
83 100

85 66.2 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 93.011 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VV015169.D

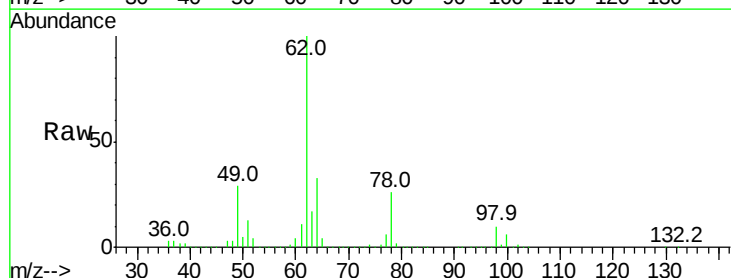
Acq: 26 Mar 2020 13:56

Tgt Ion: 62 Resp: 675528

Ion Ratio Lower Upper

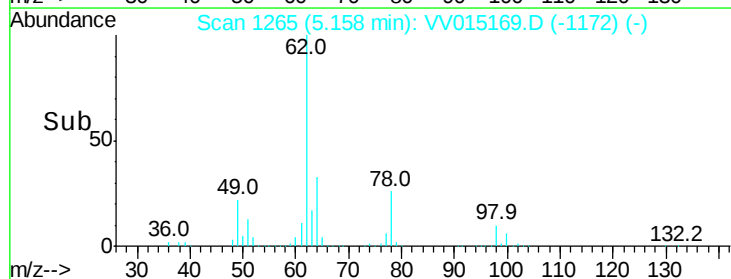
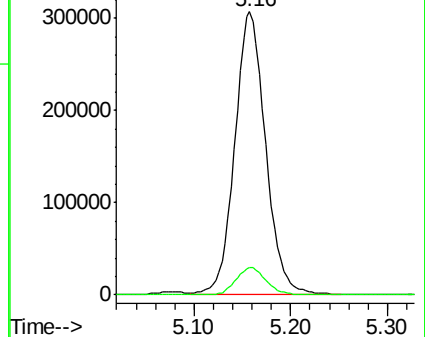
62 100

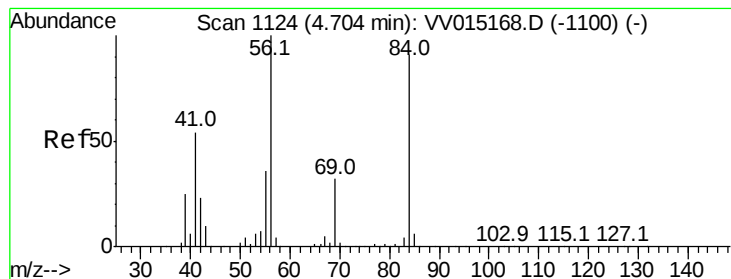
98 9.8 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#29

Cyclohexane

Concen: 90.155 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

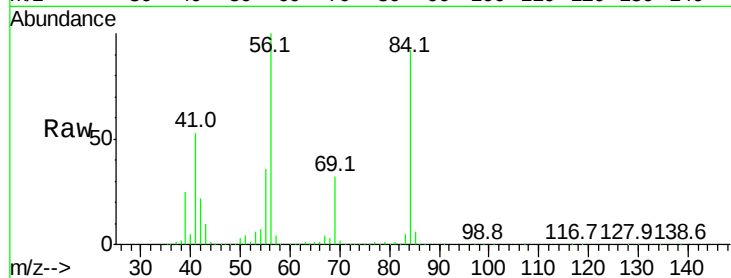
Tgt Ion: 56 Resp: 759660

Ion Ratio Lower Upper

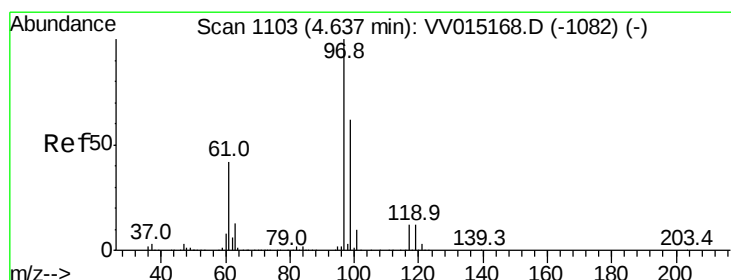
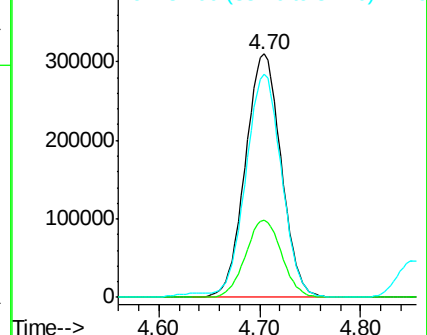
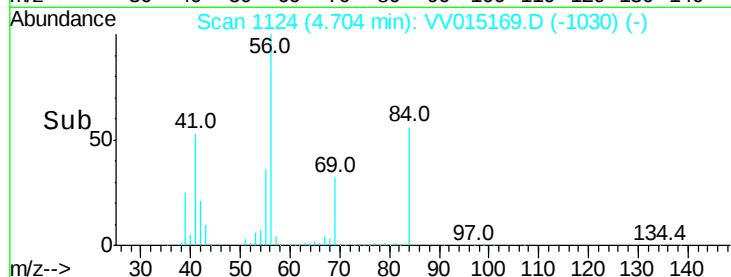
56 100

69 32.0 25.5 38.3

84 91.9 73.3 109.9



Abundance Ion 56.00 (55.70 to 56.70): VV015169.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 90.720 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

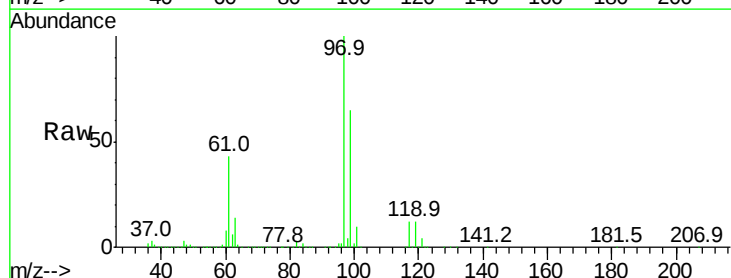
Tgt Ion: 97 Resp: 790932

Ion Ratio Lower Upper

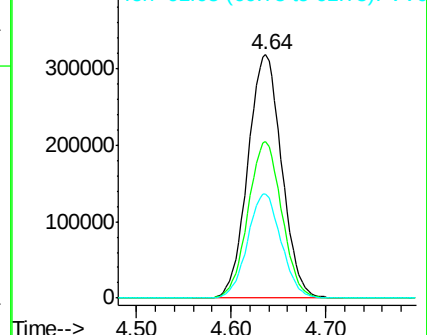
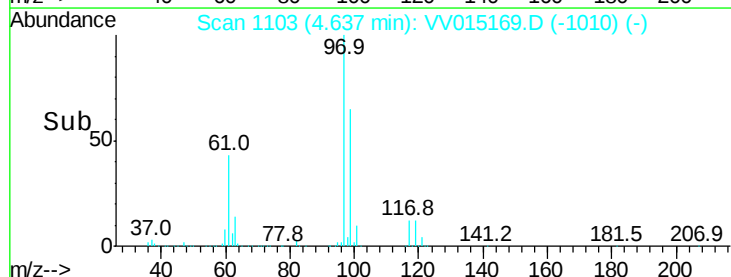
97 100

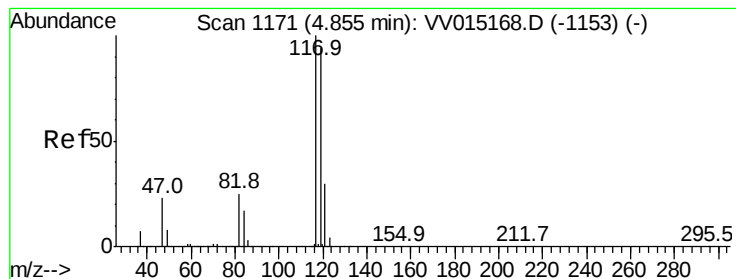
99 64.2 51.0 76.6

61 42.4 33.8 50.6



Abundance Ion 97.00 (96.70 to 97.70): VV015169.D (-1010) (-)





#31

Carbon tetrachloride

Concen: 91.906 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

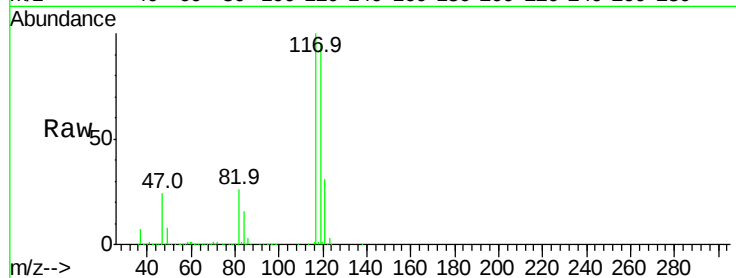
VSTD10065

Tgt Ion:117 Resp: 673522

Ion Ratio Lower Upper

117 100

119 96.2 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

300000

250000

200000

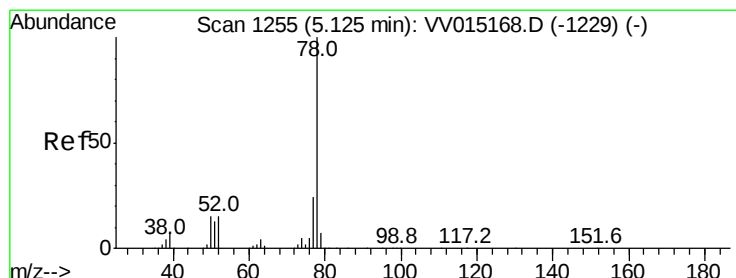
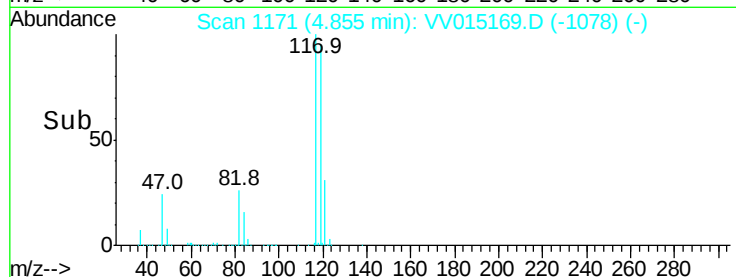
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 91.505 ug/L

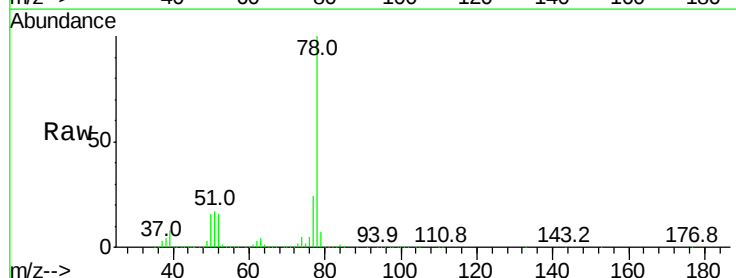
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Tgt Ion: 78 Resp: 1875515



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

1000000

800000

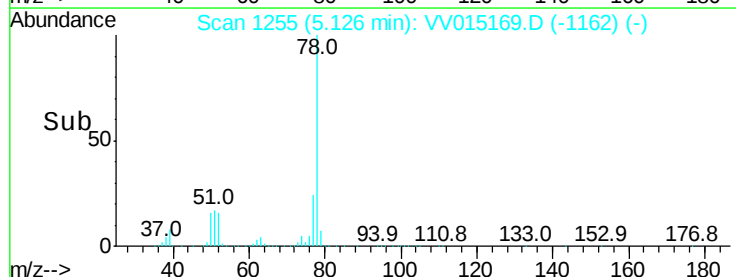
600000

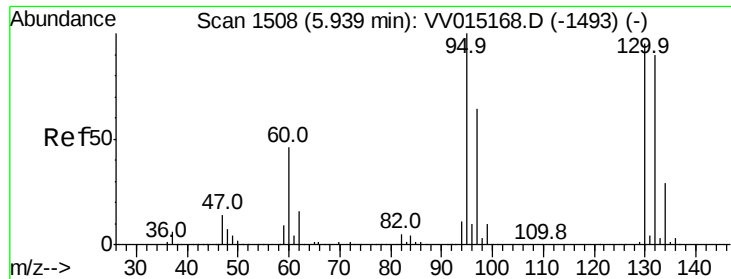
400000

200000

0

Time-->

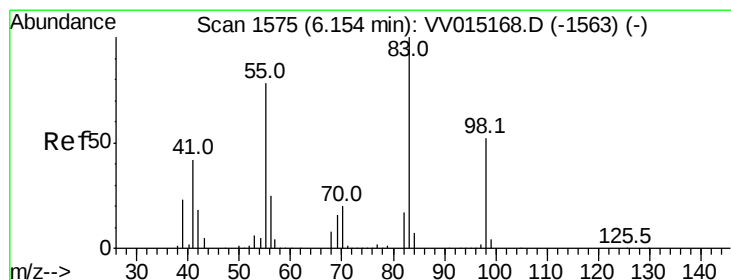
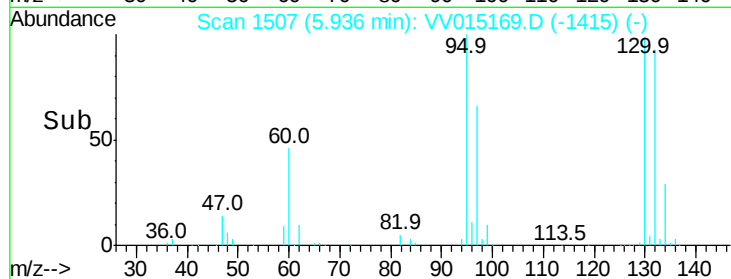
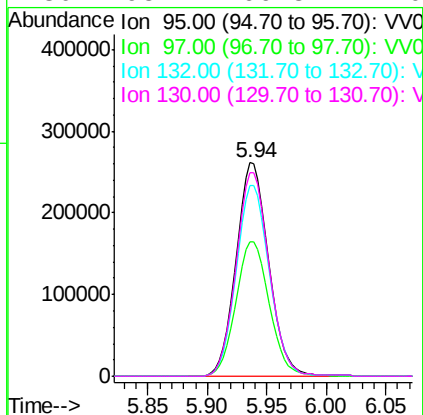
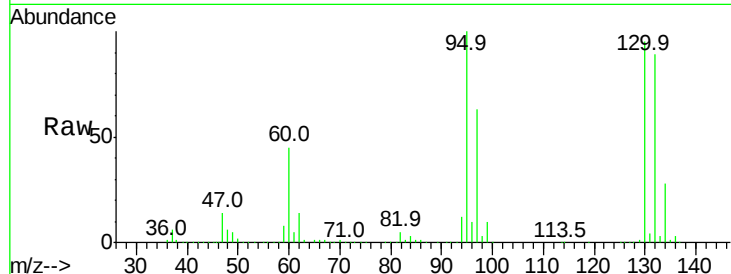




#34
 Trichloroethene
 Concen: 92.918 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

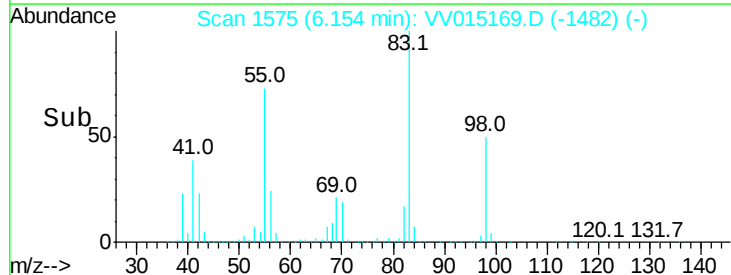
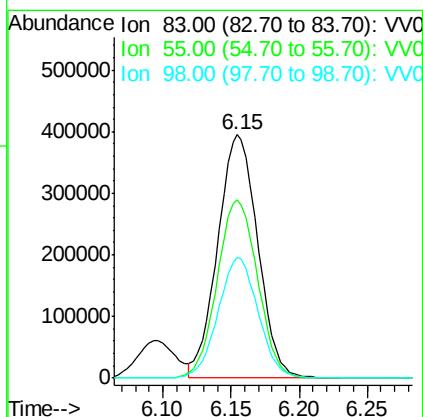
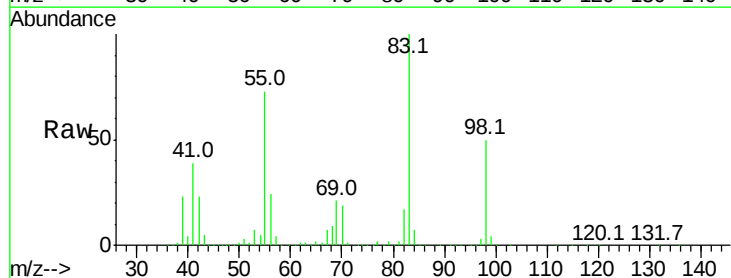
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

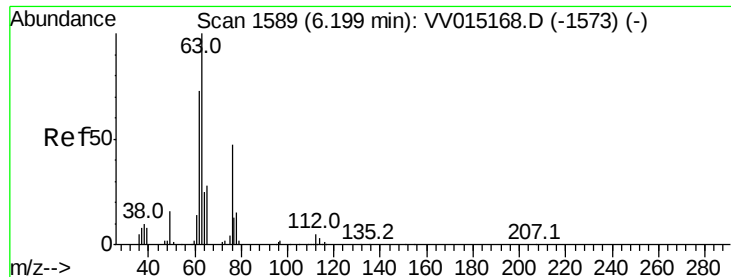
Tgt Ion:	95	Resp:	496119
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.8	83.2
132	89.0	63.2	117.4
130	95.1	66.8	124.0



#35
 Methylcyclohexane
 Concen: 90.571 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion:	83	Resp:	803629
Ion	Ratio	Lower	Upper
83	100		
55	73.5	58.8	88.2
98	49.6	38.8	58.2

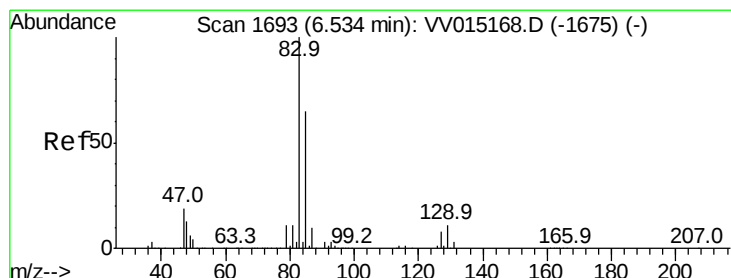
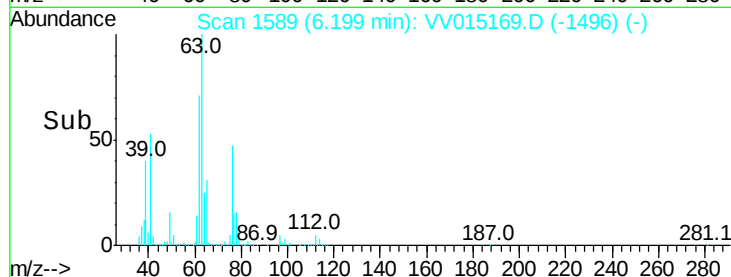
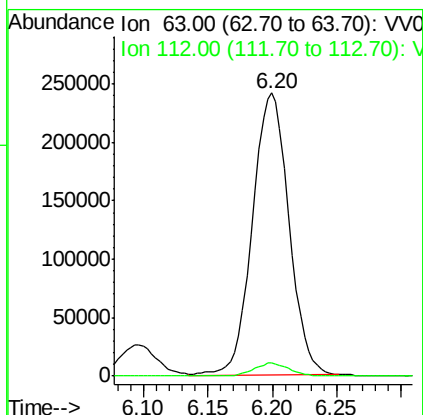
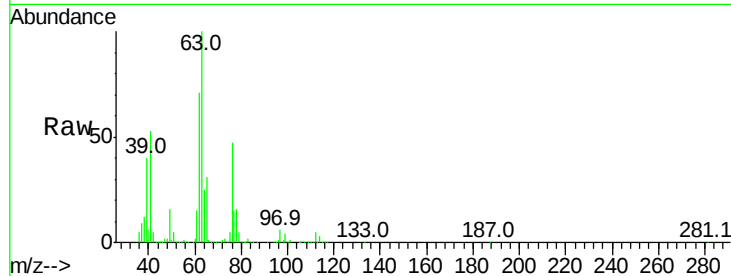




#37
 1,2-Dichloropropane
 Concen: 90.777 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

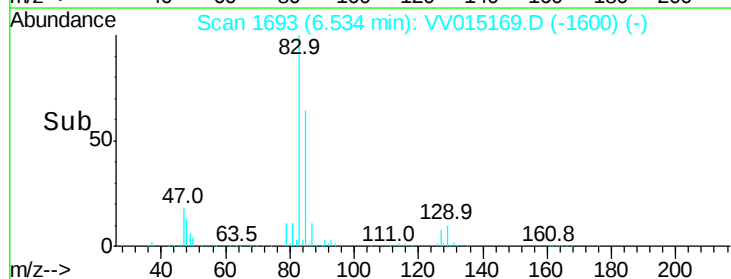
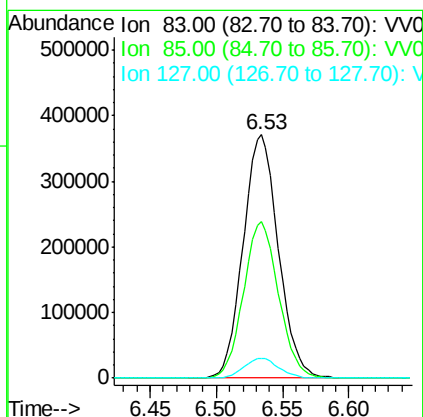
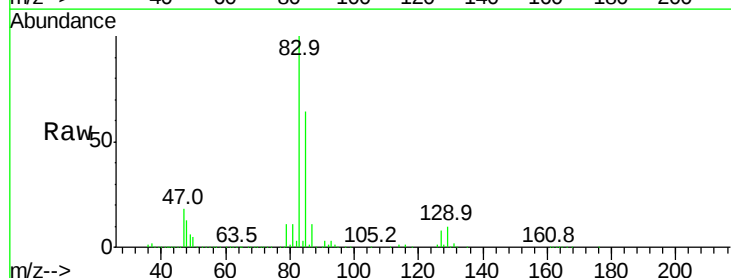
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10065

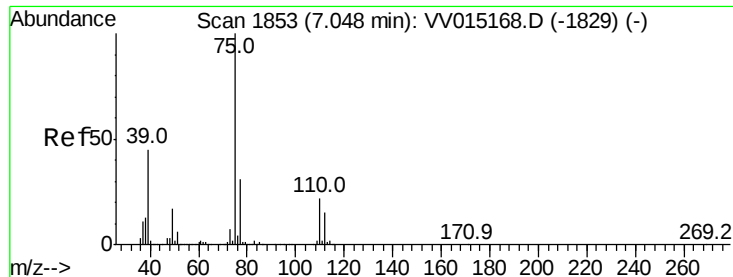
Tgt Ion: 63 Resp: 475712
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 91.954 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion: 83 Resp: 682927
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.3 84.1
 127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 94.217 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

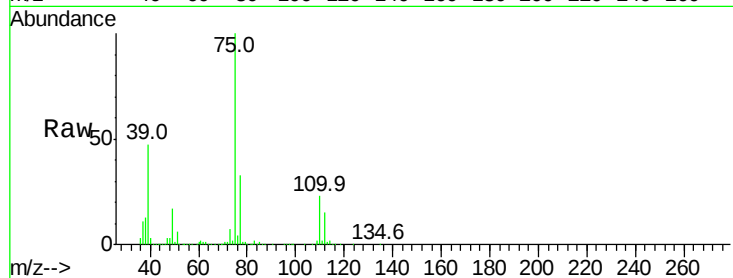
VSTD10065

Tgt Ion: 75 Resp: 825282

Ion Ratio Lower Upper

75 100

77 32.7 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.05

400000

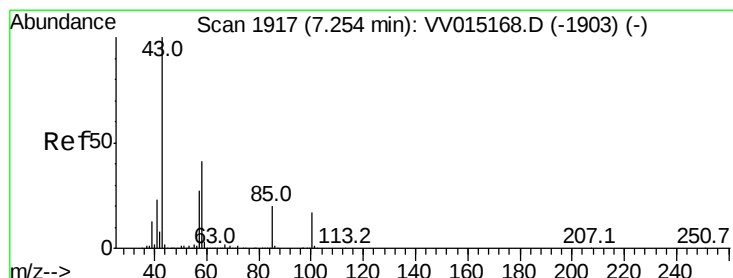
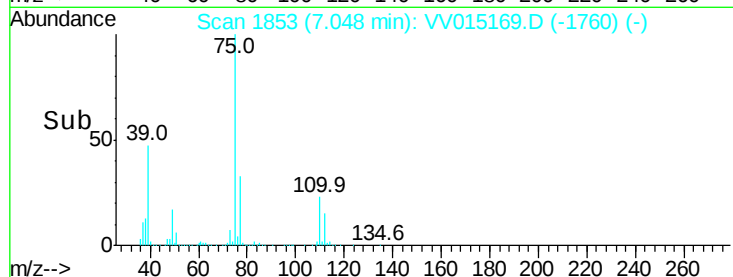
300000

200000

100000

0

Time--> 6.90 7.00 7.10



#40

4-Methyl-2-pentanone

Concen: 183.789 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

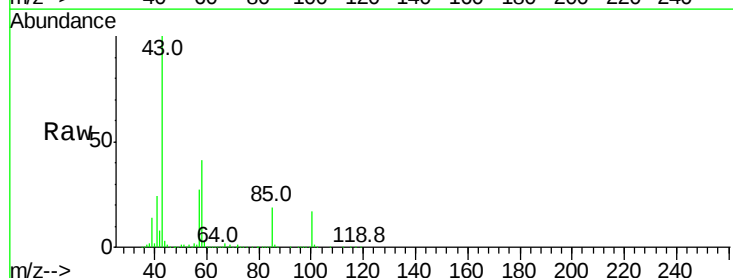
Tgt Ion: 43 Resp: 1452438

Ion Ratio Lower Upper

43 100

58 40.9 32.5 48.7

100 17.4 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

7.25

1000000

800000

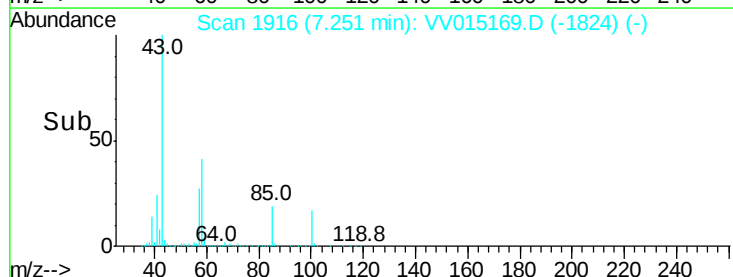
600000

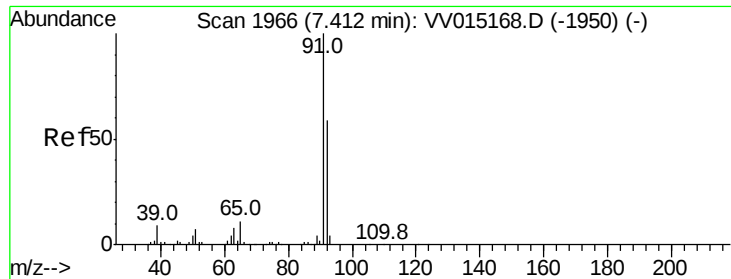
400000

200000

0

Time--> 7.15 7.20 7.25 7.30 7.35





#42

Toluene

Concen: 92.683 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

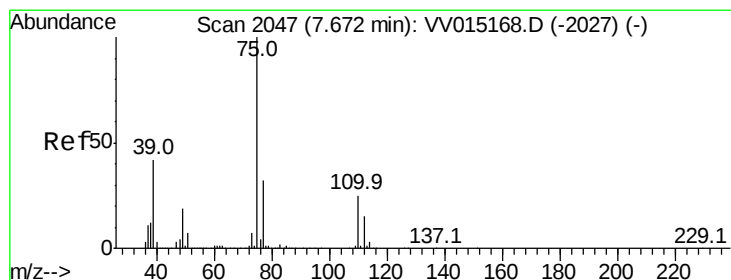
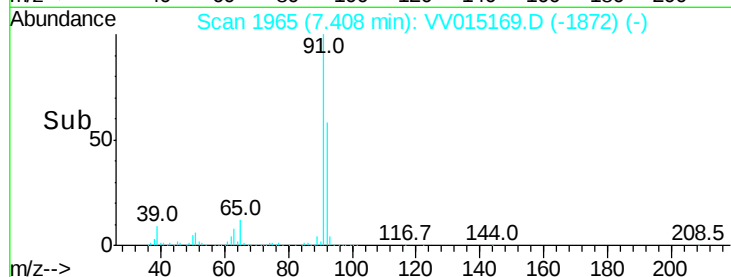
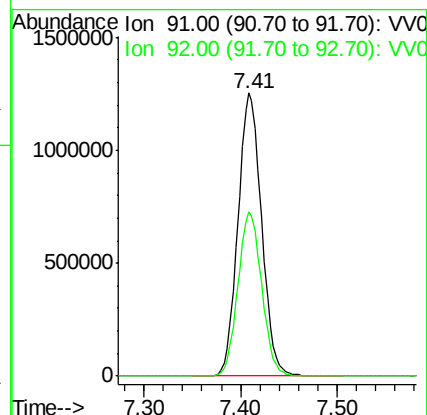
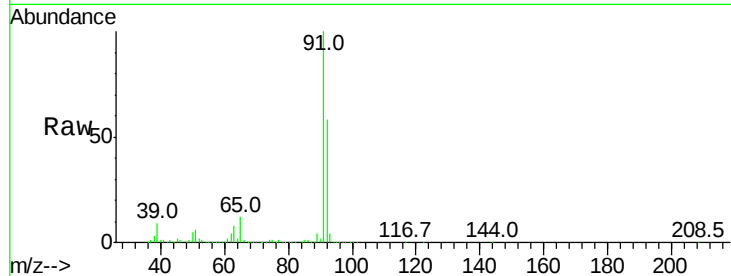
VSTD10065

Tgt Ion: 91 Resp: 2119343

Ion Ratio Lower Upper

91 100

92 58.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 94.182 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV015169.D

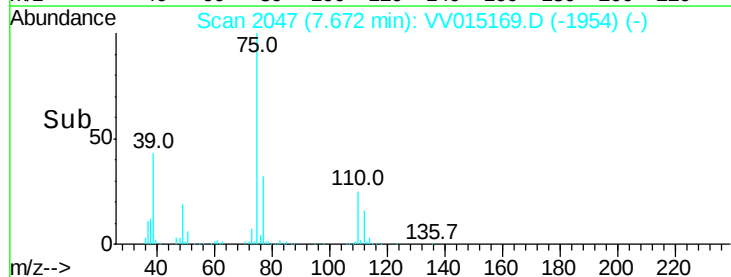
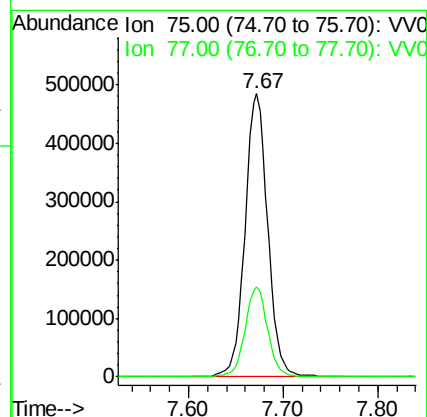
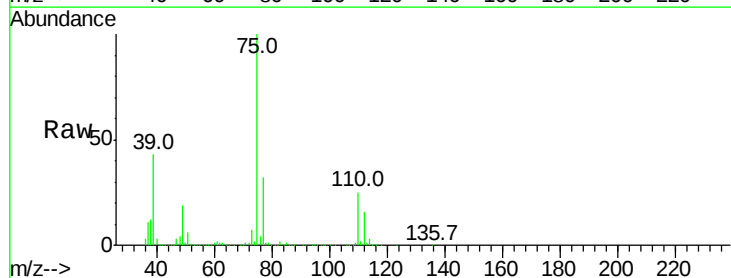
Acq: 26 Mar 2020 13:56

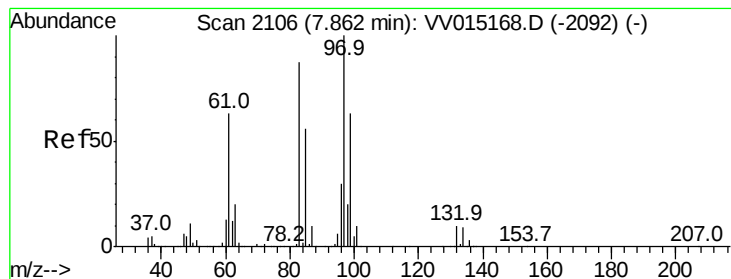
Tgt Ion: 75 Resp: 805451

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 92.911 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion: 97 Resp: 476630

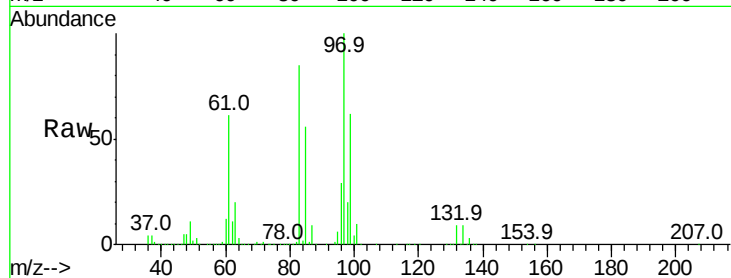
Ion Ratio Lower Upper

97 100

99 61.9 44.3 82.3

83 84.8 60.5 112.5

85 55.8 39.1 72.5

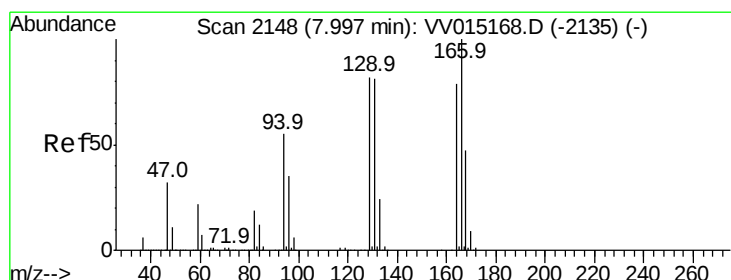
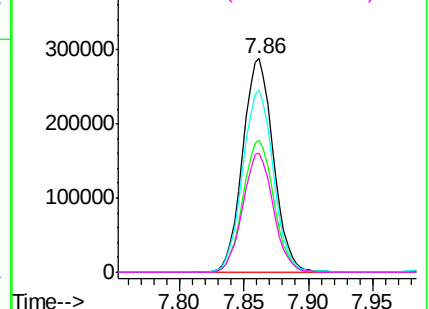
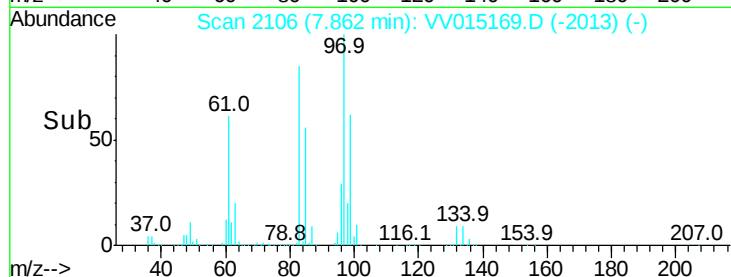


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 94.755 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Tgt Ion: 164 Resp: 339994

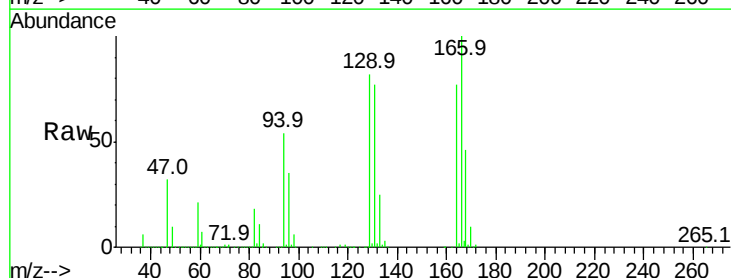
Ion Ratio Lower Upper

164 100

129 106.7 72.7 135.1

131 99.9 71.6 133.0

166 129.5 88.8 165.0

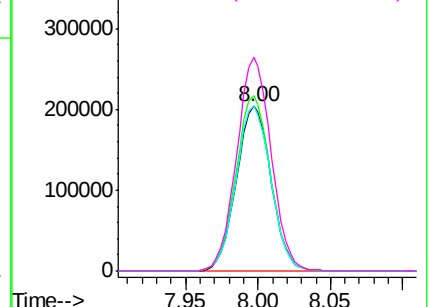
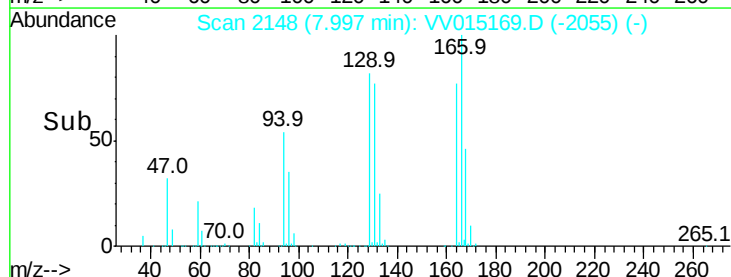


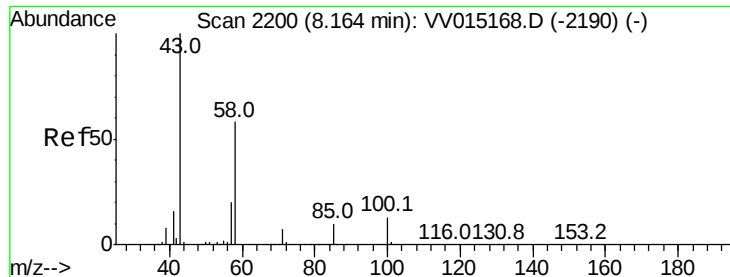
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

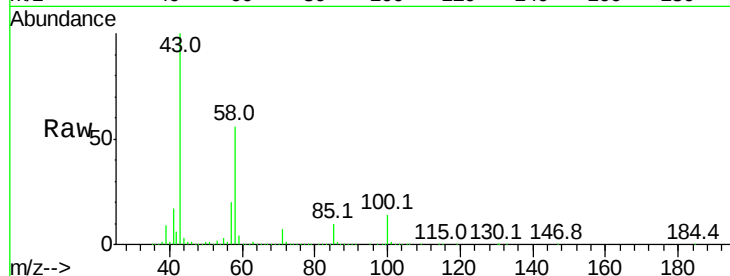




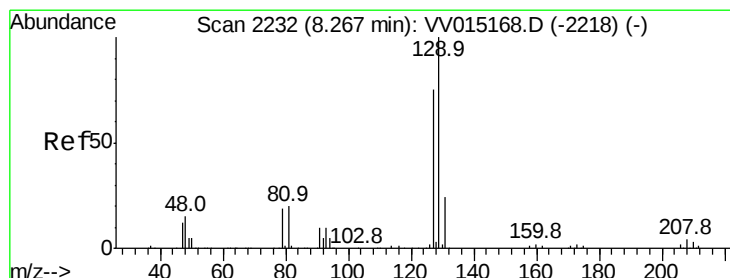
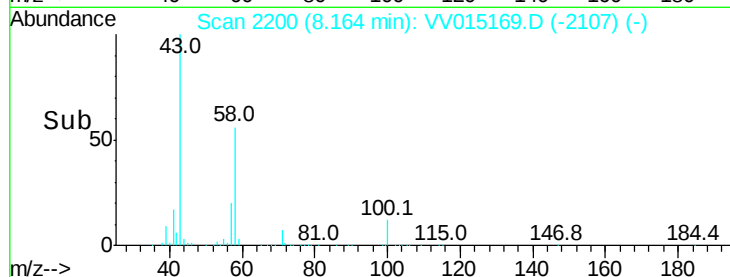
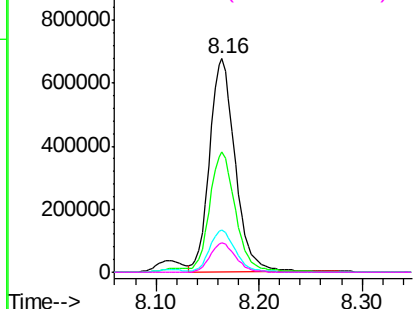
#48
2-Hexanone
Concen: 186.106 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV015169.D
Acq: 26 Mar 2020 13:56

Instrument :
MSVOA_V
ClientSampled :
VSTD10065

Tgt Ion: 43 Resp: 1161398
Ion Ratio Lower Upper
43 100
58 57.1 44.3 66.5
57 20.0 15.4 23.0
100 13.8 10.4 15.6

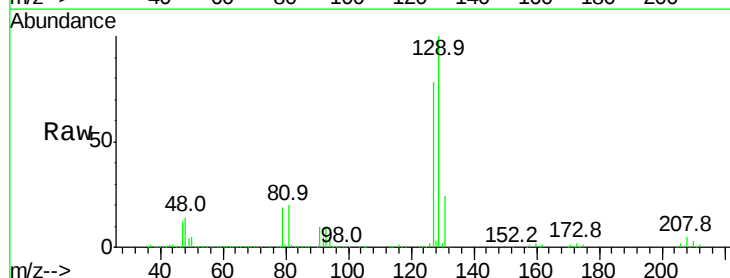


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

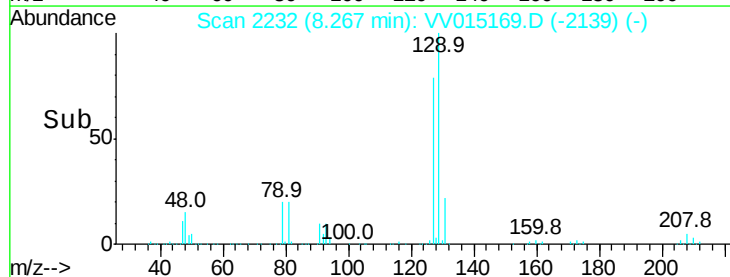
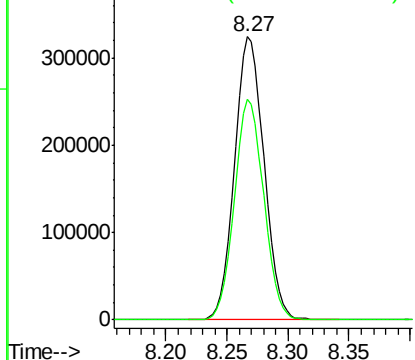


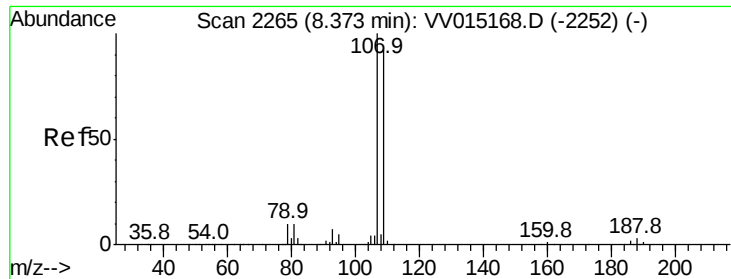
#49
Dibromochloromethane
Concen: 95.944 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV015169.D
Acq: 26 Mar 2020 13:56

Tgt Ion: 129 Resp: 542289
Ion Ratio Lower Upper
129 100
127 77.7 52.4 97.4



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

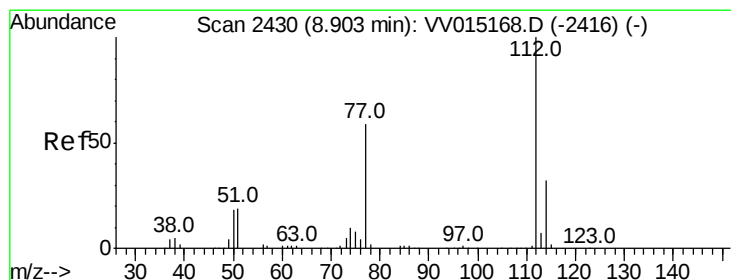
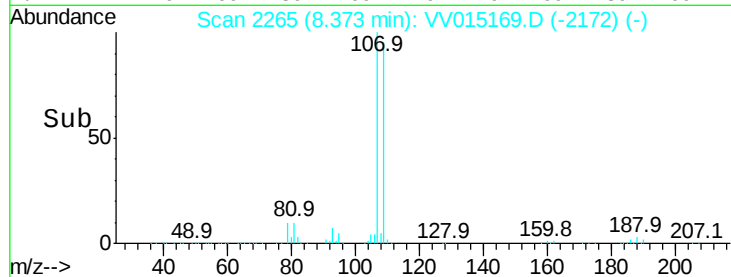
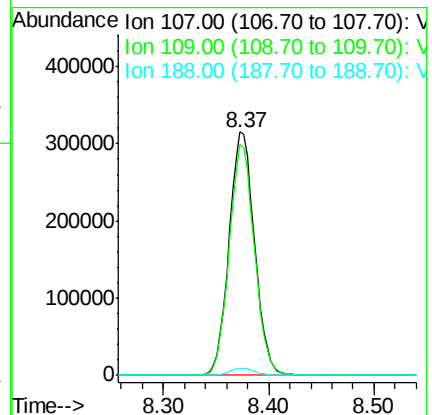
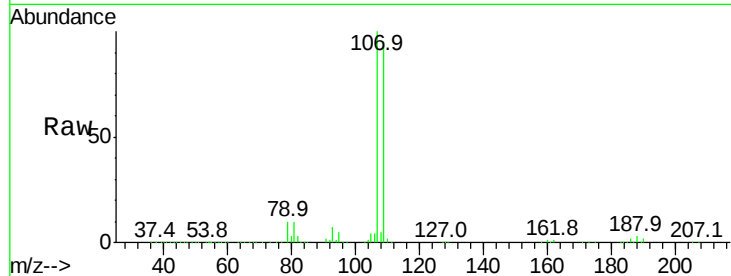




#50
 1,2-Dibromoethane
 Concen: 94.204 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

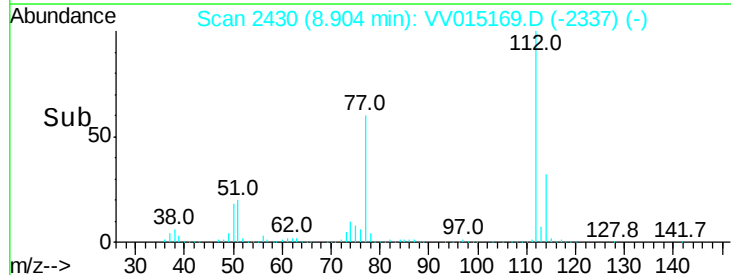
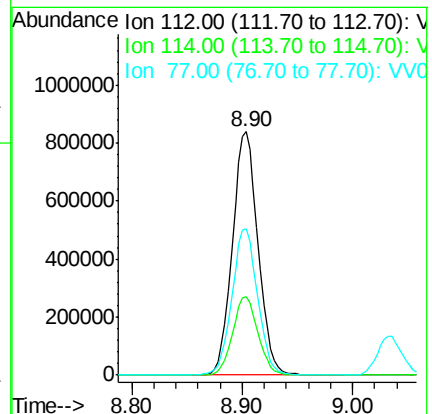
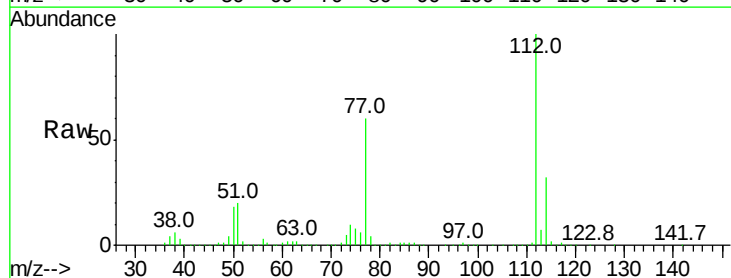
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

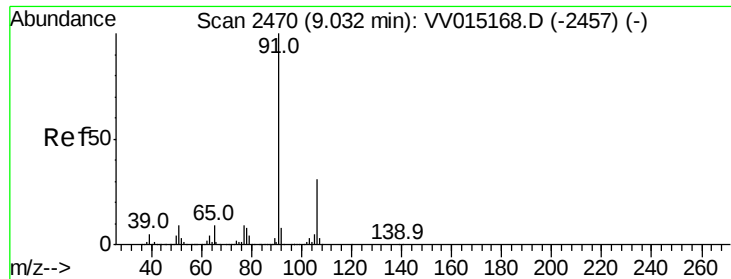
Tgt Ion:107 Resp: 526026
 Ion Ratio Lower Upper
 107 100
 109 94.8 64.5 119.9
 188 3.0 2.5 3.7



#51
 Chlorobenzene
 Concen: 92.548 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion:112 Resp: 1351739
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.1 41.1
 77 60.0 47.3 70.9





#52

Ethylbenzene

Concen: 93.345 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

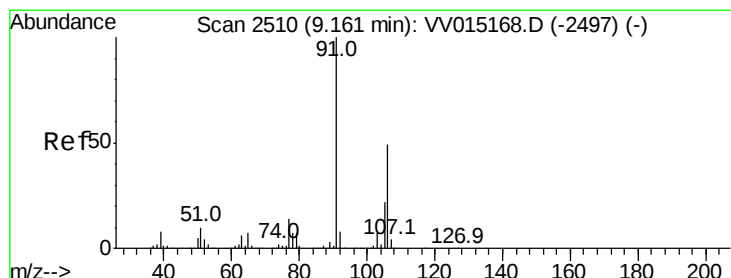
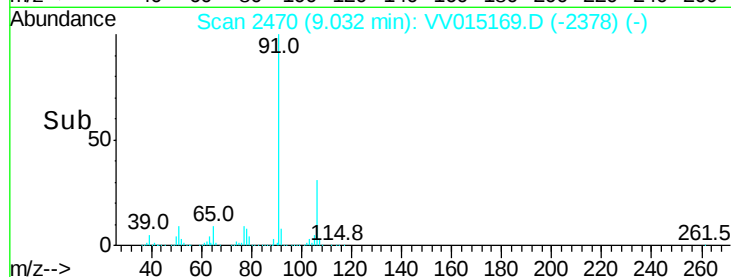
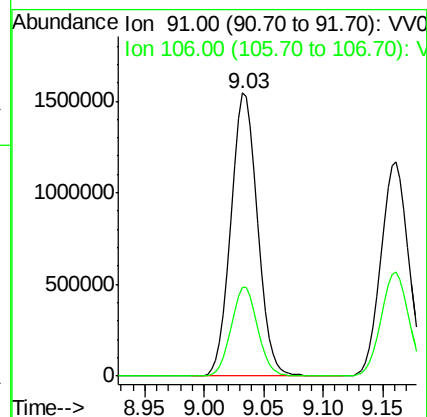
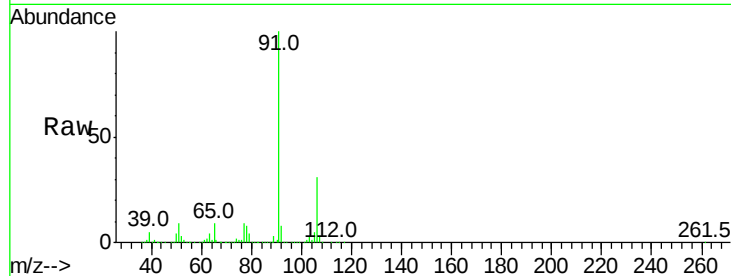
VSTD10065

Tgt Ion: 91 Resp: 2404841

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



#53

m,p-Xylene

Concen: 94.116 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV015169.D

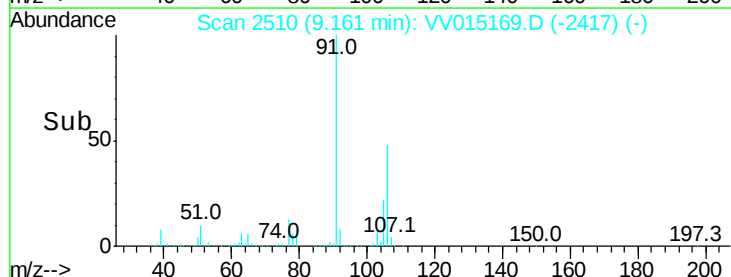
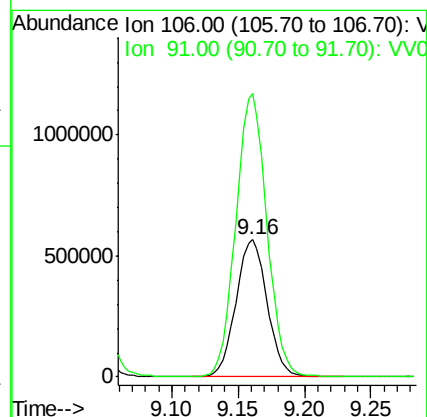
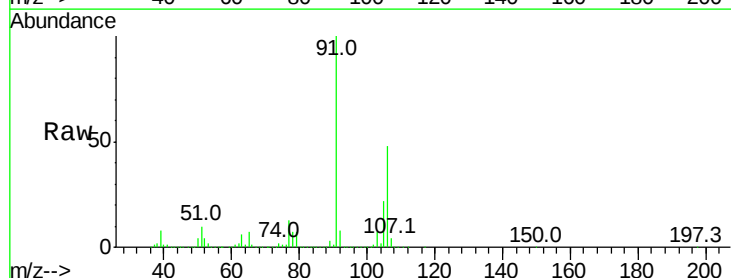
Acq: 26 Mar 2020 13:56

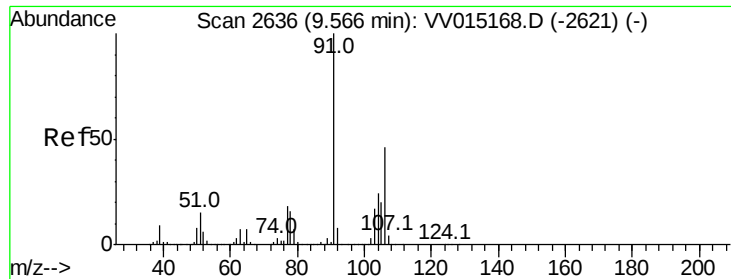
Tgt Ion: 106 Resp: 925034

Ion Ratio Lower Upper

106 100

91 206.6 142.3 264.3





#54

o-xylene

Concen: 93.351 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

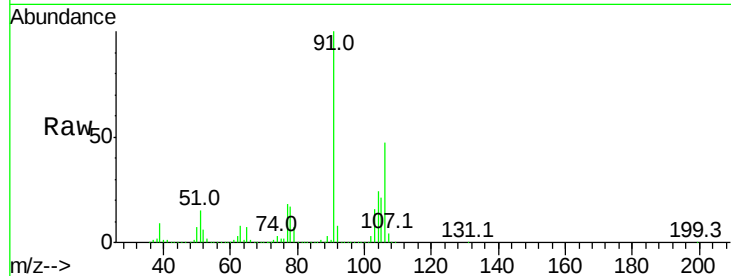
VSTD10065

Tgt Ion:106 Resp: 921573

Ion Ratio Lower Upper

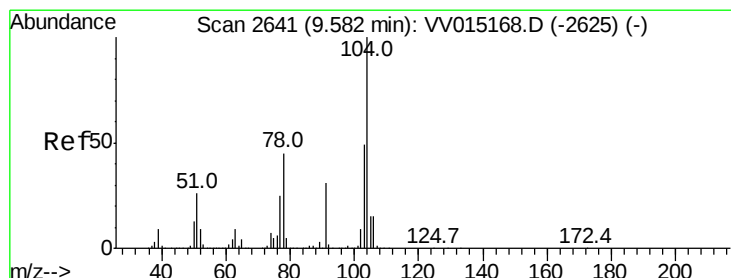
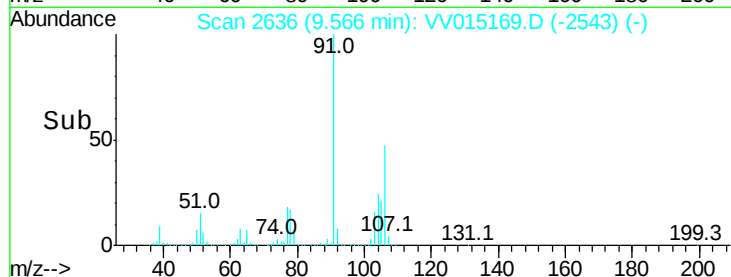
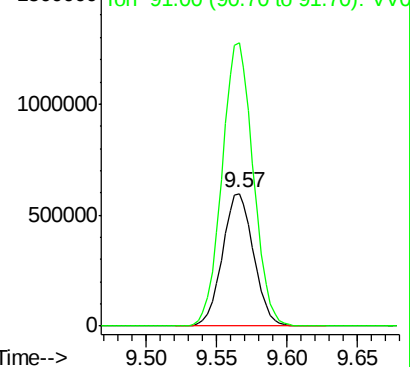
106 100

91 213.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 95.218 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015169.D

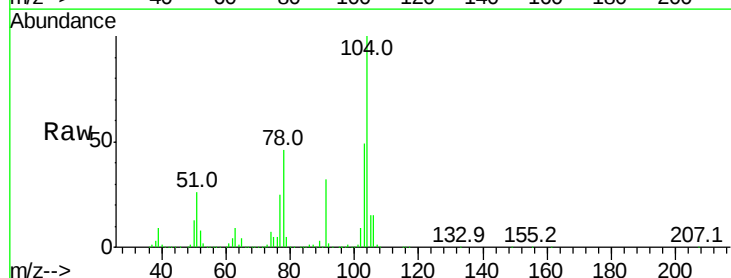
Acq: 26 Mar 2020 13:56

Tgt Ion:104 Resp: 1590378

Ion Ratio Lower Upper

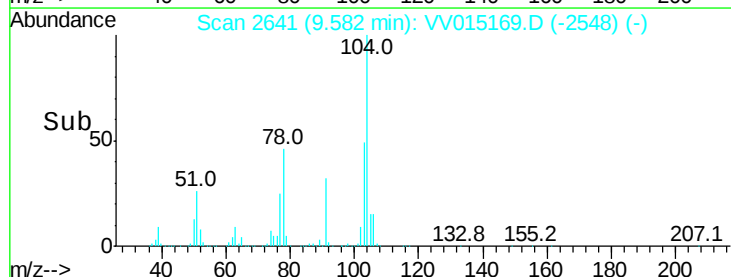
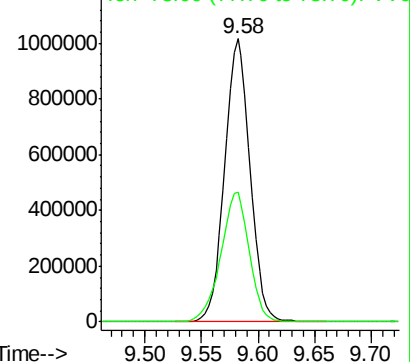
104 100

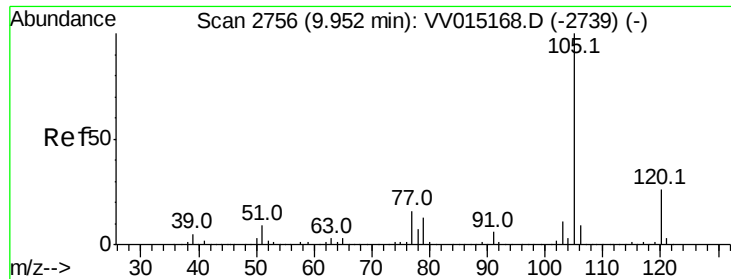
78 45.7 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 94.725 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

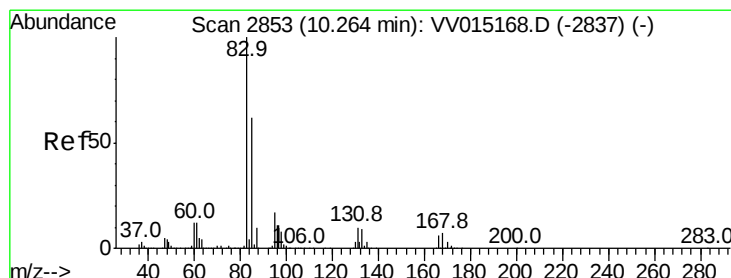
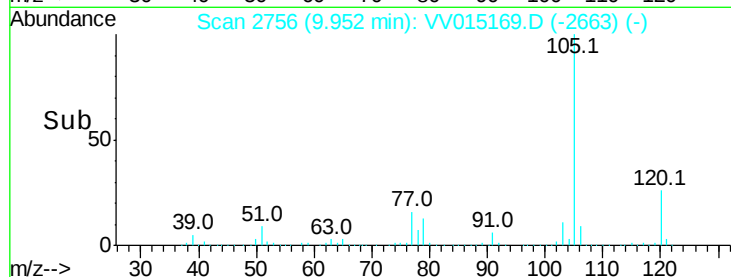
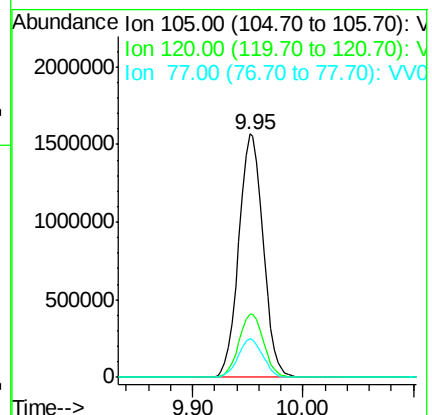
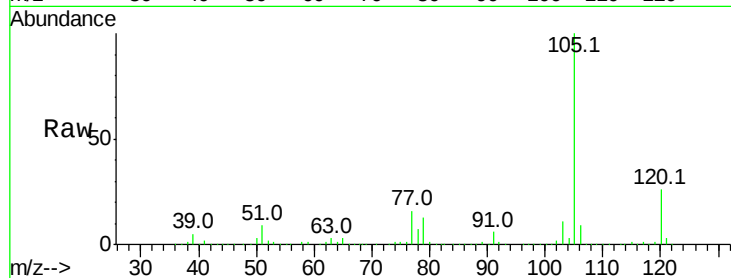
Tgt Ion:105 Resp: 2400819

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

77 15.8 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 91.561 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

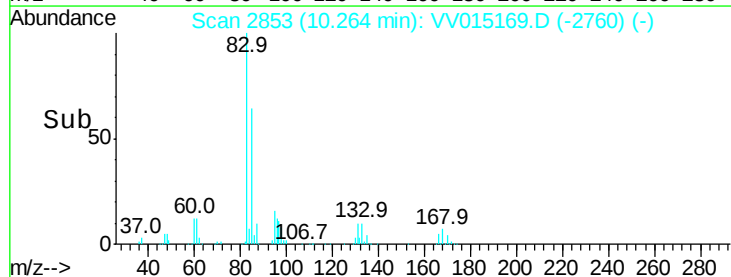
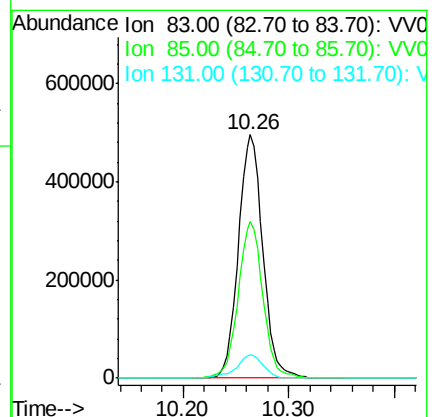
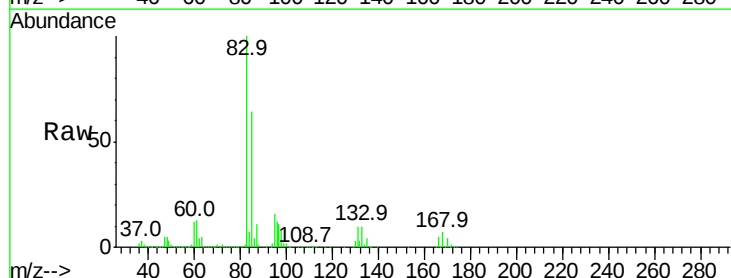
Tgt Ion: 83 Resp: 791731

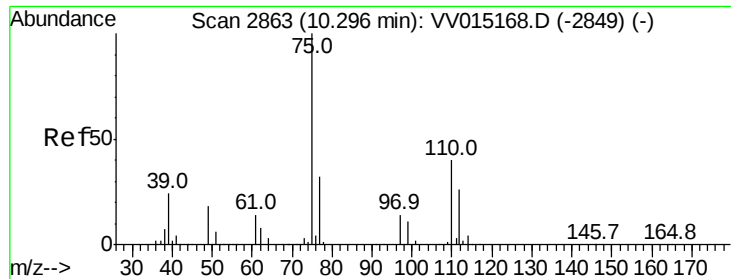
Ion Ratio Lower Upper

83 100

85 64.3 43.7 81.1

131 9.8 7.8 11.8

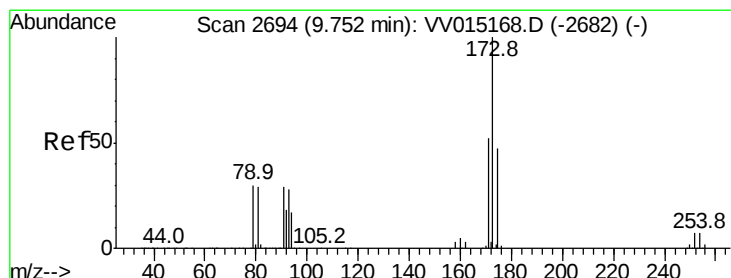
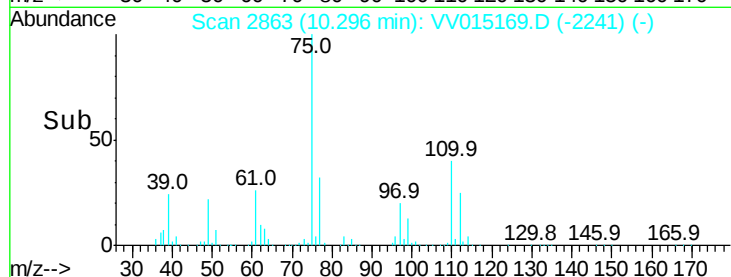
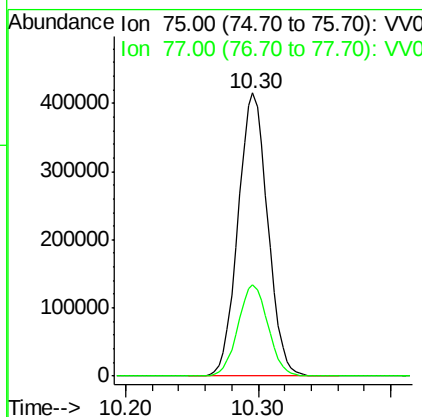
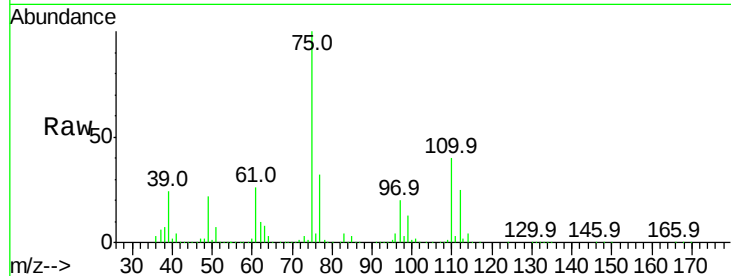




#59
 1,2,3-Trichloropropane
 Concen: 92.470 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

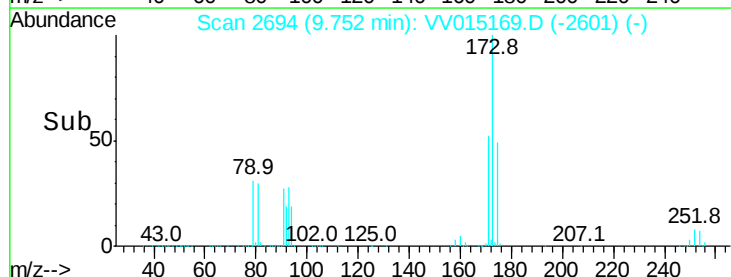
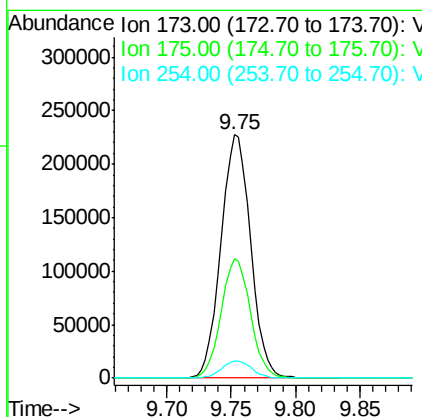
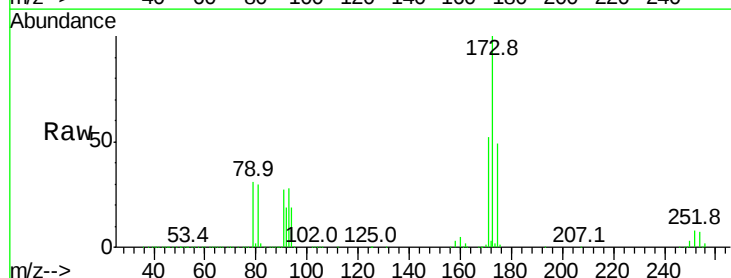
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

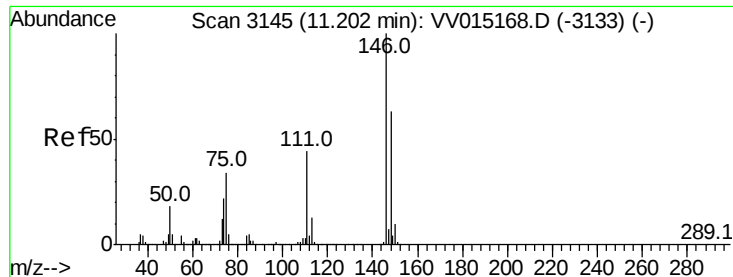
Tgt Ion: 75 Resp: 643746
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3



#61
 Bromoform
 Concen: 95.581 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion: 173 Resp: 363881
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.4 57.6
 254 7.1 5.8 8.8

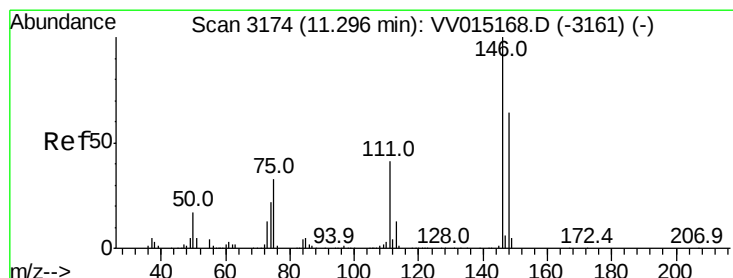
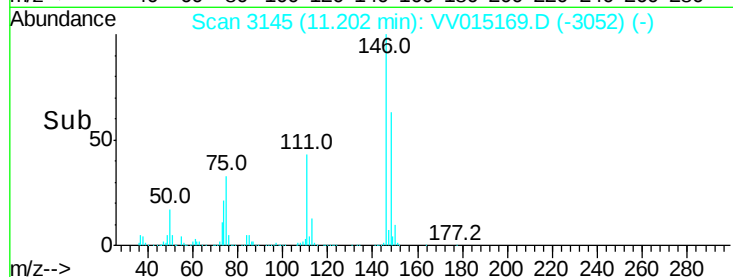
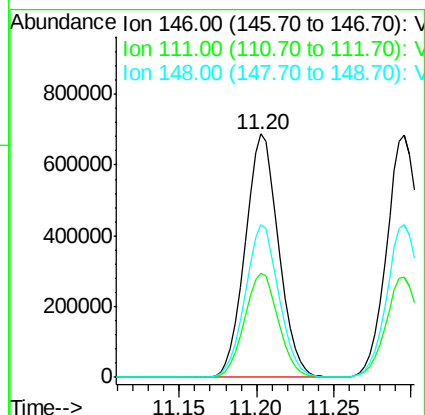
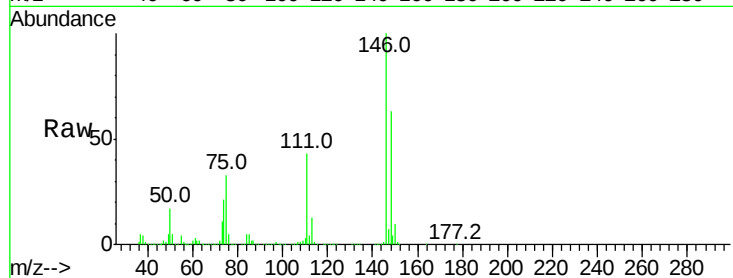




#62
 1,3-Dichlorobenzene
 Concen: 93.516 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

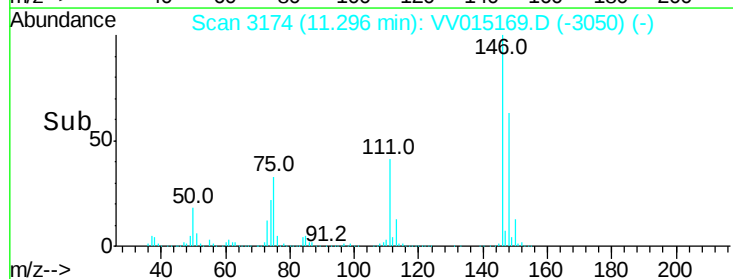
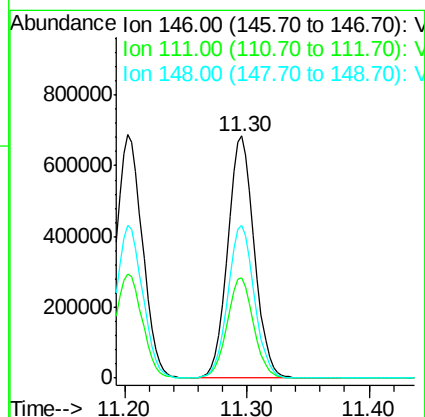
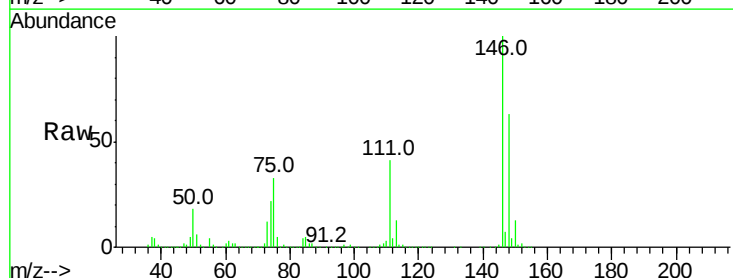
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

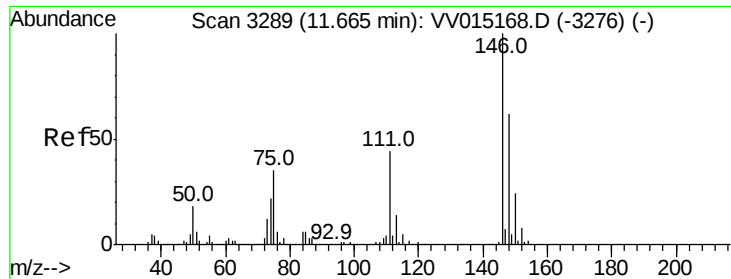
Tgt Ion:146 Resp: 1036103
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.5 56.7
 148 62.9 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 93.221 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion:146 Resp: 1043353
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.2 54.2
 148 63.4 44.8 83.2

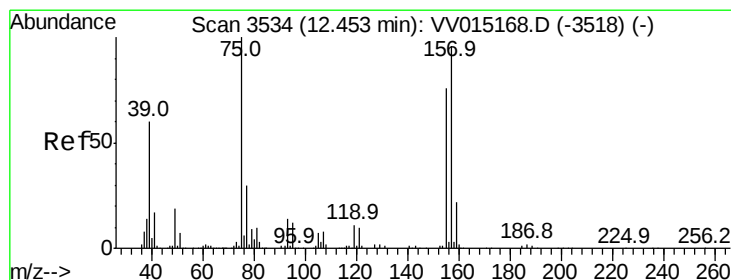
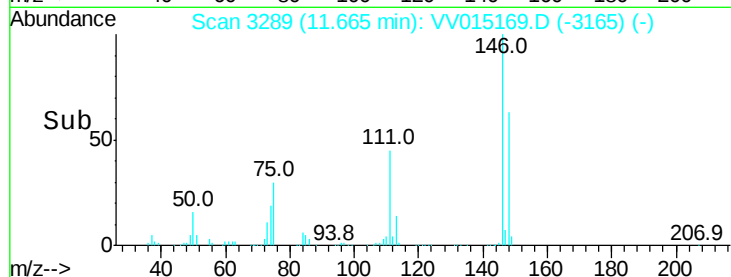
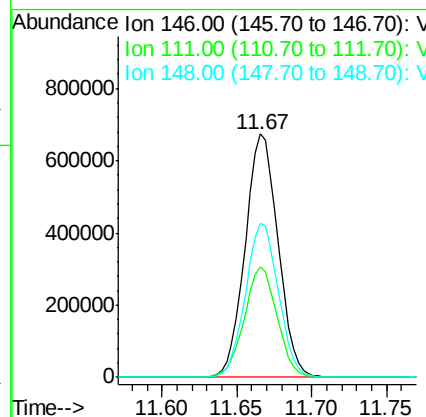
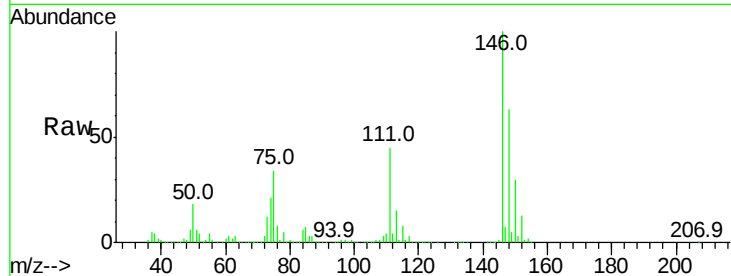




#65
 1,2-Dichlorobenzene
 Concen: 92.029 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

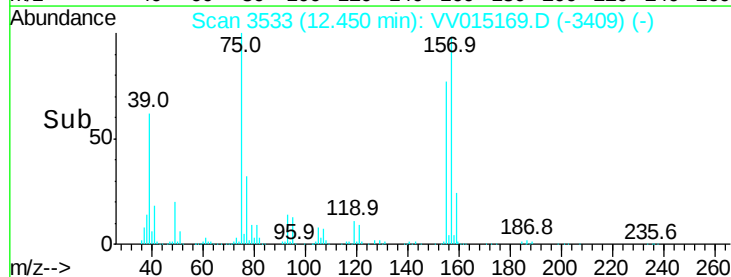
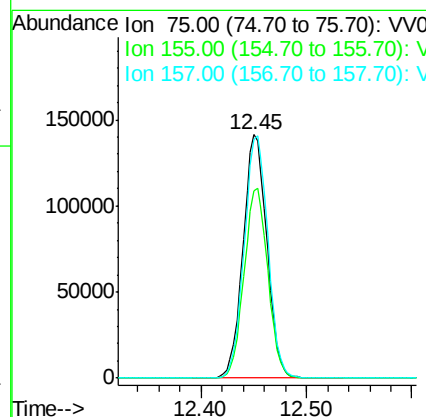
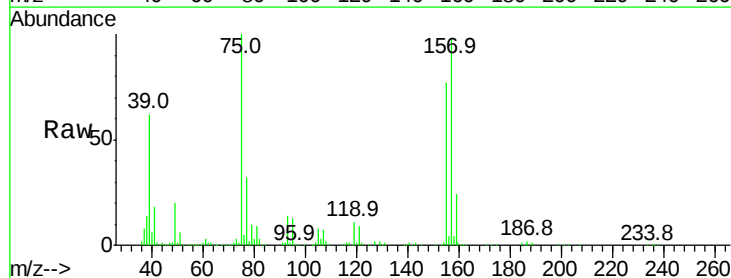
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

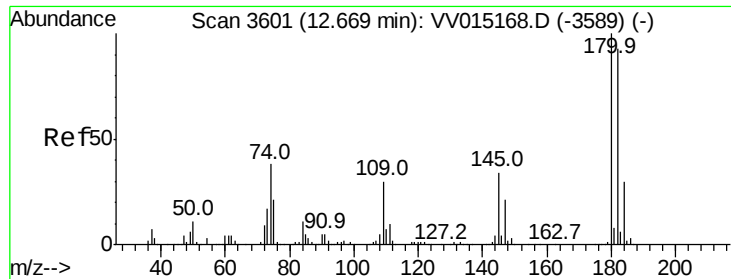
Tgt Ion:146 Resp: 1033774
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.4 53.2
 148 63.2 49.7 74.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 88.530 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion: 75 Resp: 220944
 Ion Ratio Lower Upper
 75 100
 155 76.7 60.5 90.7
 157 97.9 76.7 115.1

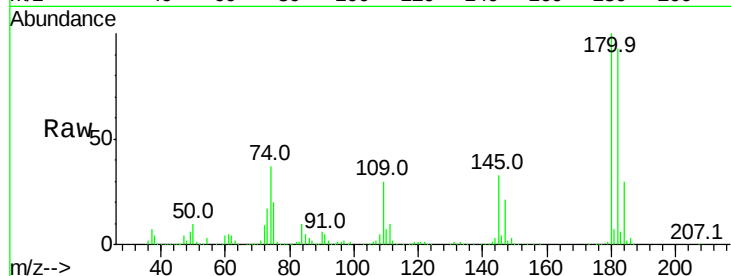




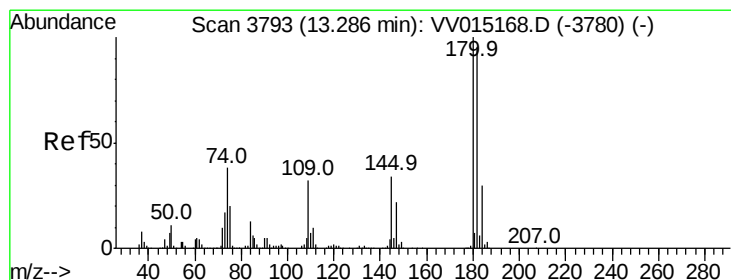
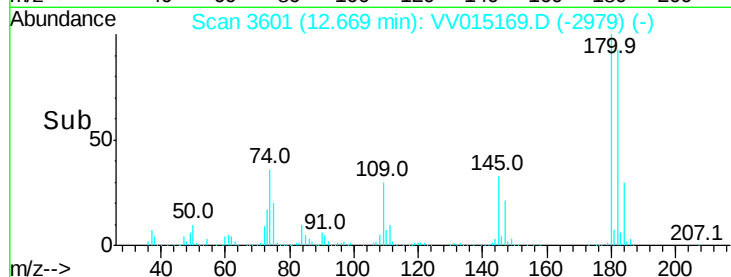
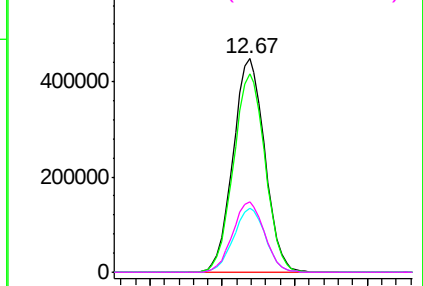
#67
 1,3,5-Trichlorobenzene
 Concen: 95.512 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion:180 Resp: 677130
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.6 114.8
 184 30.1 24.2 36.4
 145 33.2 27.6 41.4

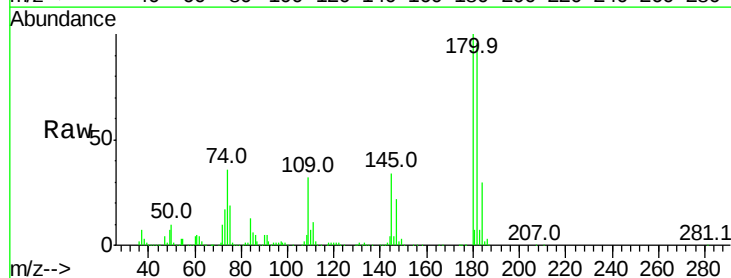


Abundance Ion 180.00 (179.70 to 180.70): V

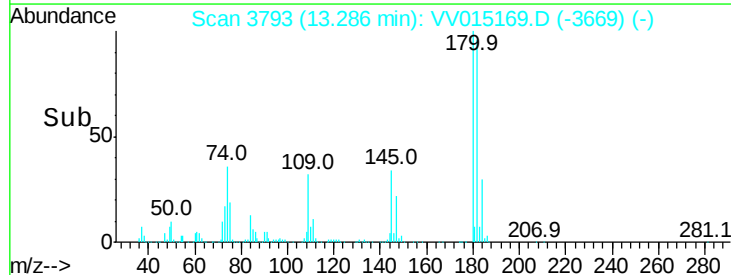
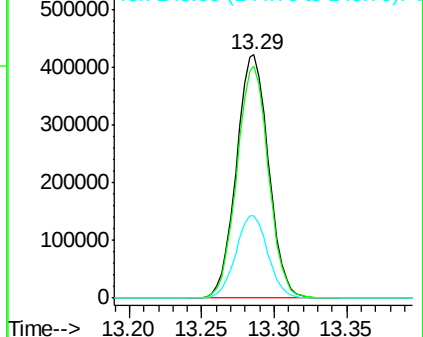


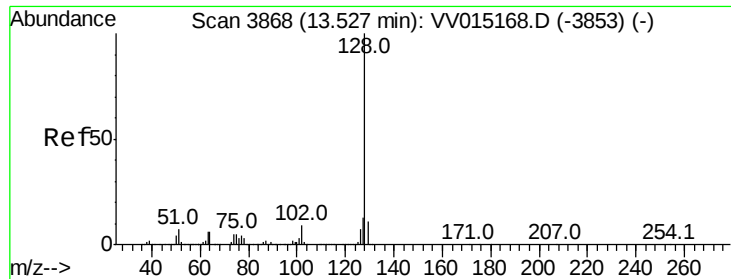
#68
 1,2,4-trichlorobenzene
 Concen: 95.809 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015169.D
 Acq: 26 Mar 2020 13:56

Tgt Ion:180 Resp: 647885
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.2 112.8
 145 33.8 27.5 41.3



Abundance Ion 180.00 (179.70 to 180.70): V





#69

Naphthalene

Concen: 95.195 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Instrument :

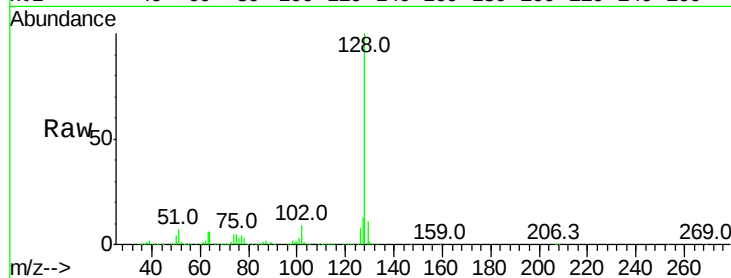
MSVOA_V

ClientSampleId :

VSTD10065

Tgt Ion:128 Resp: 2577877

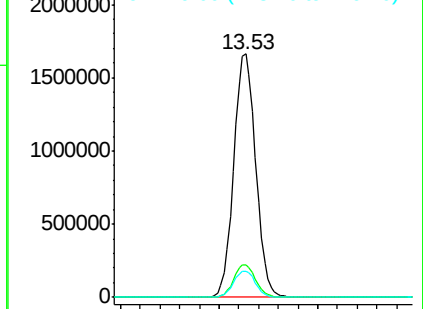
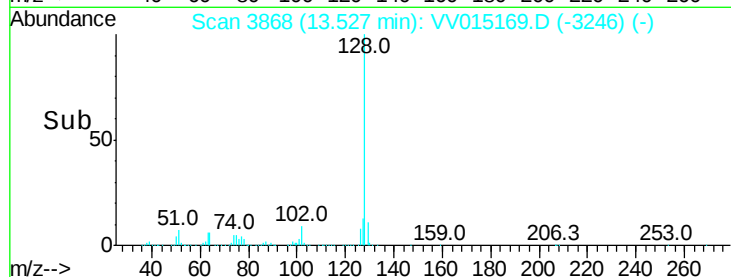
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0



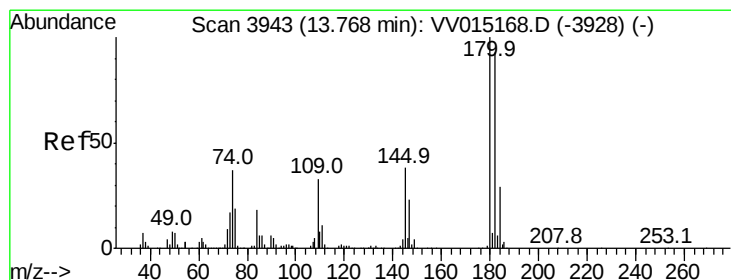
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 13.40 13.50 13.60



#70

1,2,3-Trichlorobenzene

Concen: 96.192 ug/L

RT: 13.77 min Scan# 3943

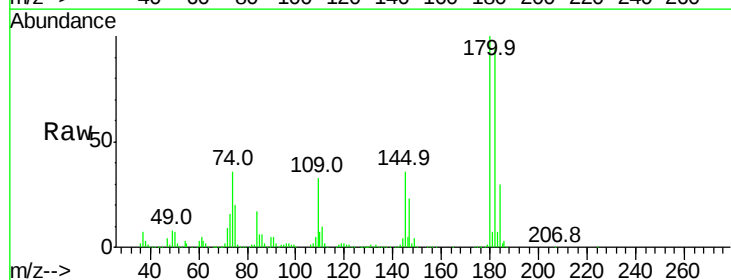
Delta R.T. -0.00 min

Lab File: VV015169.D

Acq: 26 Mar 2020 13:56

Tgt Ion:180 Resp: 651326

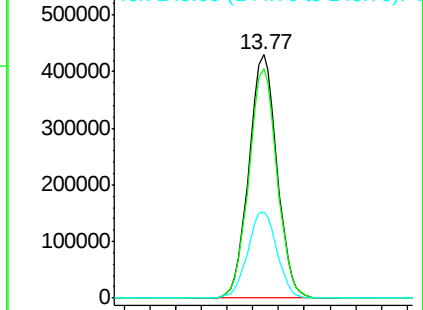
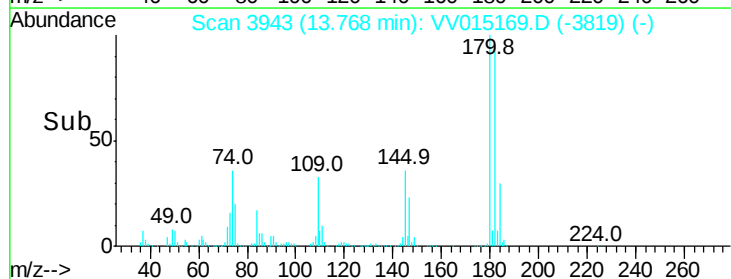
Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.6	112.0
145	37.0	29.9	44.9



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--> 13.70 13.80