

Data File : VV012159.D
Acq On : 09 Aug 2019 18:20
Operator : SY/MD
Sample : VSTD10067
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Quant Time: Aug 10 04:51:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	296015	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	281436	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	152144	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113300	43.17	ug/L	0.00
7) Chloroethane-d5	1.57	69	70240	25.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	220943	29.17	ug/L	0.00
21) 2-Butanone-d5	3.92	46	117267	98.72	ug/L	0.00
24) Chloroform-d	4.40	84	231764	60.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	132319	52.68	ug/L	0.00
32) Benzene-d6	5.10	84	454437	64.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	120512	56.82	ug/L	0.00
41) Toluene-d8	7.36	98	427063	62.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	66899	67.28	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	98700	114.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	167756	49.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	175138	54.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	276028	105.824	ug/L	100
3) Chloromethane	1.25	50	200280	76.694	ug/L	99
5) Vinyl chloride	1.32	62	183866	53.537	ug/L	99
6) Bromomethane	1.51	94	105881	37.246	ug/L	98
8) Chloroethane	1.59	64	92871	35.384	ug/L	99
9) Trichlorofluoromethane	1.76	101	310605	42.888	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	145629	36.987	ug/L	99
12) 1,1-Dichloroethene	2.14	96	136312	39.001	ug/L	96
13) Acetone	2.18	43	159357	104.834	ug/L	97
14) Carbon disulfide	2.31	76	496843	95.166	ug/L	100
15) Methyl Acetate	2.45	43	181954	90.036	ug/L	99
16) Methylene chloride	2.53	84	206729	92.972	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	197570	95.239	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	647399	102.881	ug/L	100
19) 1,1-Dichloroethane	3.23	63	345159	92.221	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	226809	97.977	ug/L	98
22) 2-Butanone	4.01	43	271145	178.113	ug/L	95
23) Bromochloromethane	4.30	128	124763	105.721	ug/L	98
25) Chloroform	4.42	83	384819	94.027	ug/L	99
27) 1,2-Dichloroethane	5.18	62	303912	91.253	ug/L	100
29) Cyclohexane	4.72	56	299696	98.194	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	363186	113.397	ug/L	99
31) Carbon tetrachloride	4.87	117	340831	121.048	ug/L	99
33) Benzene	5.14	78	791825	96.820	ug/L	100
34) Trichloroethene	5.96	95	216080	104.530	ug/L	99
35) Methylcyclohexane	6.18	83	340808	100.220	ug/L	99
37) 1,2-Dichloropropane	6.22	63	189402	90.876	ug/L	98
38) Bromodichloromethane	6.55	83	301120	111.083	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	344498	112.636	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	512086	182.807	ug/L	98

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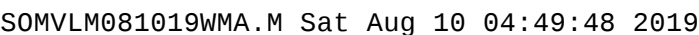
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

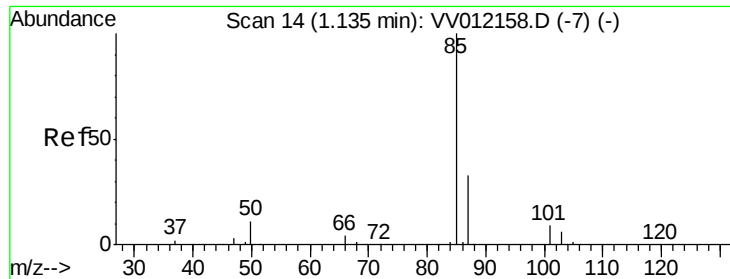
Quant Time: Aug 10 04:51:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	890345	95.795	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	315331	110.388	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	209921	101.217	ug/L	99
46) Tetrachloroethene	8.02	164	206735	118.667	ug/L	97
48) 2-Hexanone	8.18	43	388255	185.455	ug/L	99
49) Dibromochloromethane	8.29	129	273557	120.386	ug/L	99
50) 1,2-Dibromoethane	8.39	107	231054	104.395	ug/L	100
51) Chlorobenzene	8.92	112	600540	96.698	ug/L	98
52) Ethylbenzene	9.05	91	1006079	95.881	ug/L	100
53) m,p-Xylene	9.18	106	399627	97.536	ug/L	96
54) o-xylene	9.59	106	393184	94.461	ug/L	99
55) Styrene	9.60	104	669804	96.881	ug/L	98
56) Isopropylbenzene	9.97	105	1042173	97.515	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	327836	89.249	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	257069	91.586	ug/L	98
61) Bromoform	9.77	173	220391	121.614	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	512581	97.746	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	510069	93.945	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	522108	94.970	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	81325	112.159	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	411772	113.352	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	357050	121.253	ug/L	99
69) Naphthalene	13.55	128	1070506	136.403	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	377064	126.439	ug/L	98

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

Quant Time: Aug 10 04:51:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 105.824 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

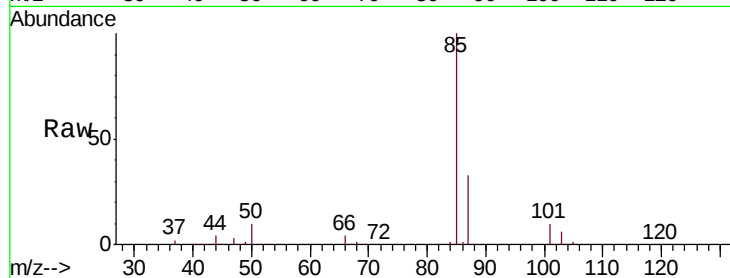
VSTD10061

Tgt Ion: 85 Resp: 276028

Ion Ratio Lower Upper

85 100

87 32.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV012159.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV012159.D (-1) (-)

1.14

250000

200000

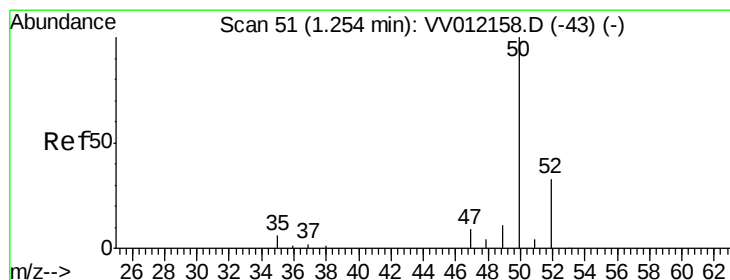
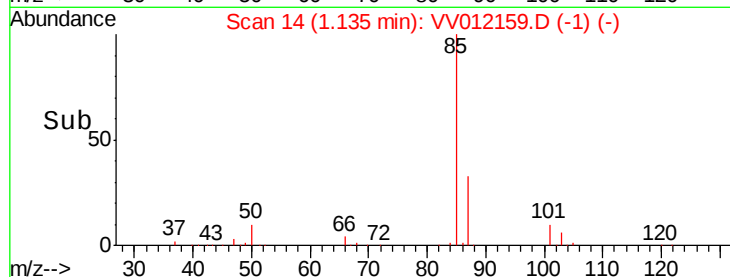
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 76.694 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012159.D

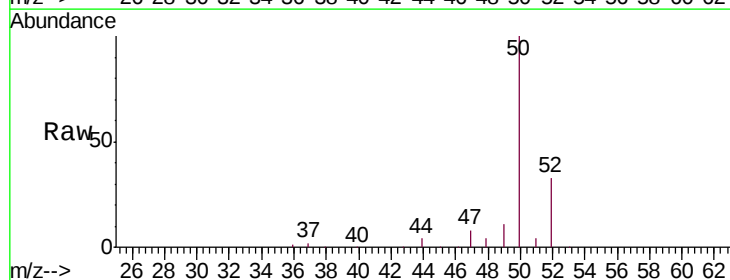
Acq: 09 Aug 2019 18:20

Tgt Ion: 50 Resp: 200280

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV012159.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV012159.D (-1) (-)

1.25

200000

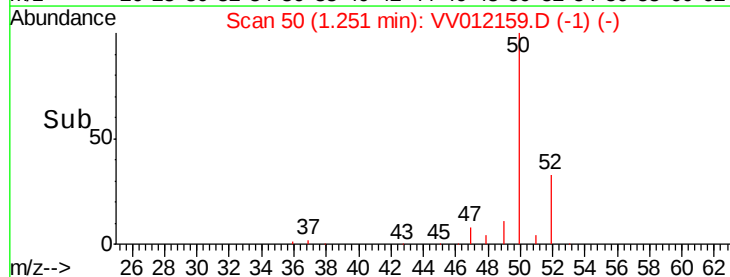
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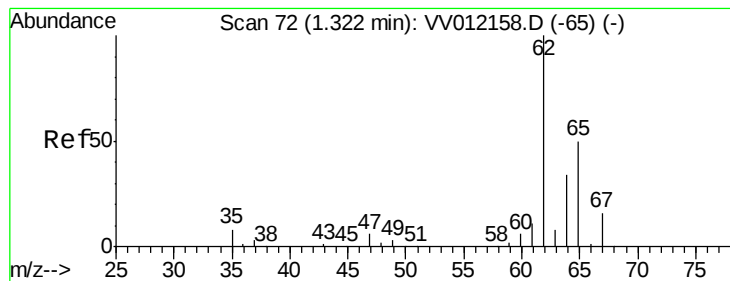
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 53.537 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

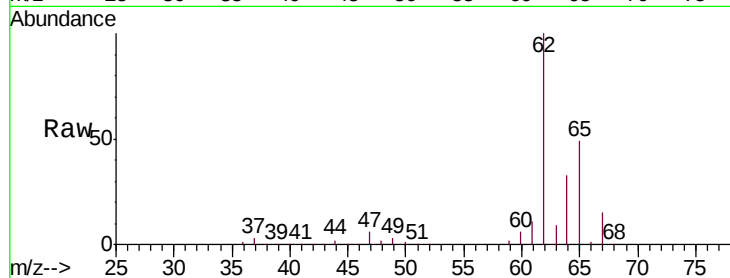
VSTD10061

Tgt Ion: 62 Resp: 183866

Ion Ratio Lower Upper

62 100

64 33.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

150000

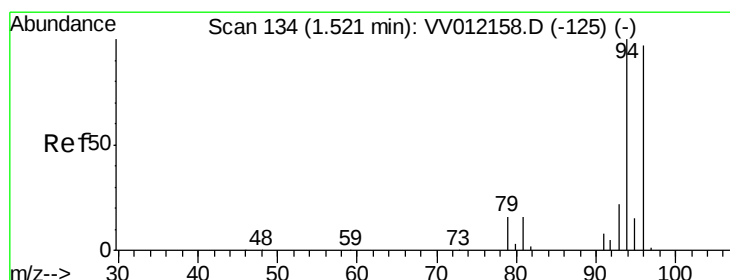
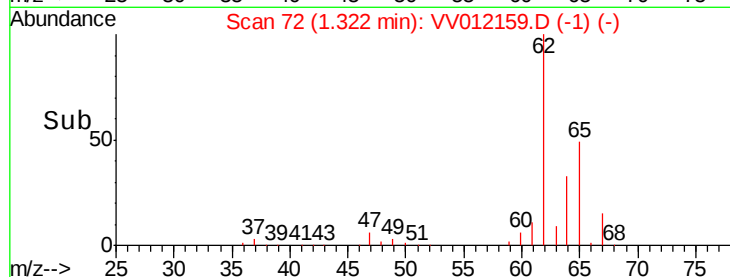
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 37.246 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV012159.D

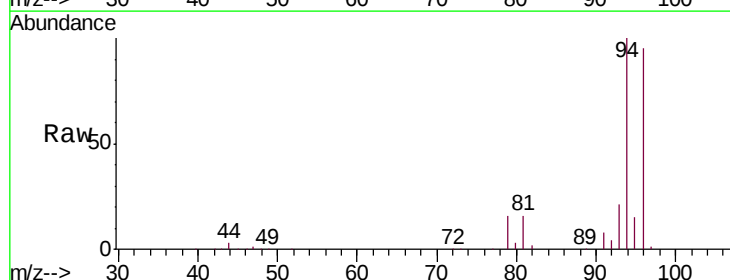
Acq: 09 Aug 2019 18:20

Tgt Ion: 94 Resp: 105881

Ion Ratio Lower Upper

94 100

96 95.4 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

100000

80000

60000

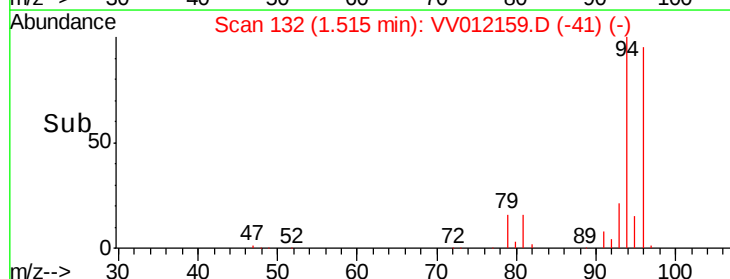
40000

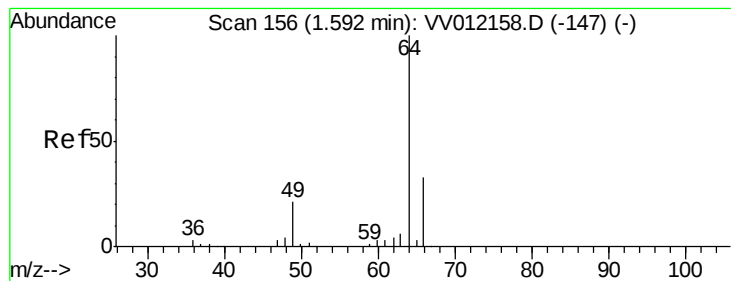
20000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 35.384 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

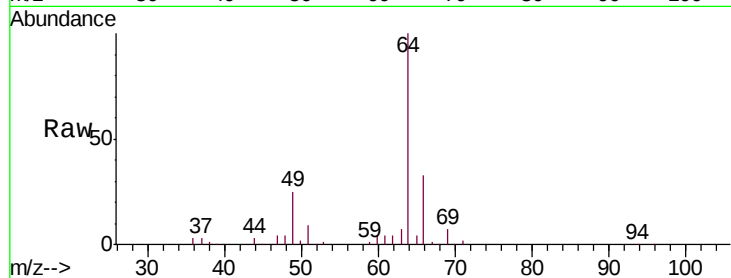
VSTD10061

Tgt Ion: 64 Resp: 92871

Ion Ratio Lower Upper

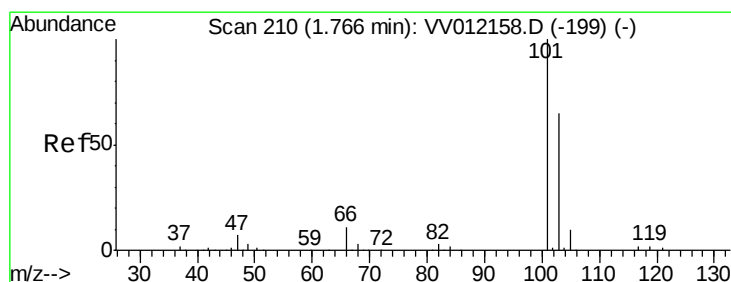
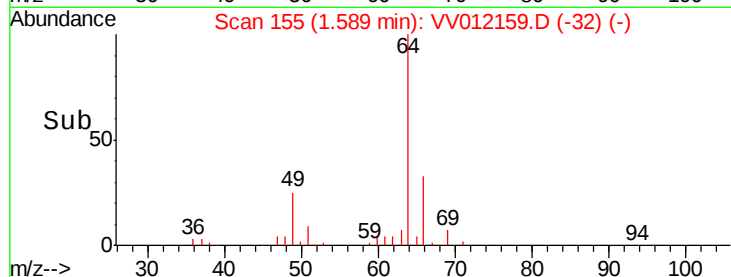
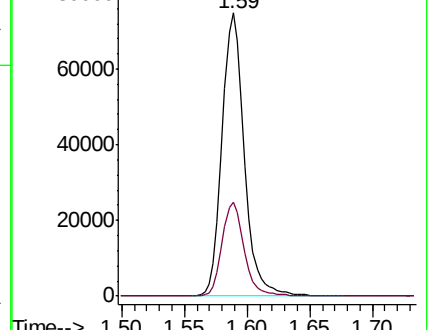
64 100

66 33.1 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV012158.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV012158.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 42.888 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV012159.D

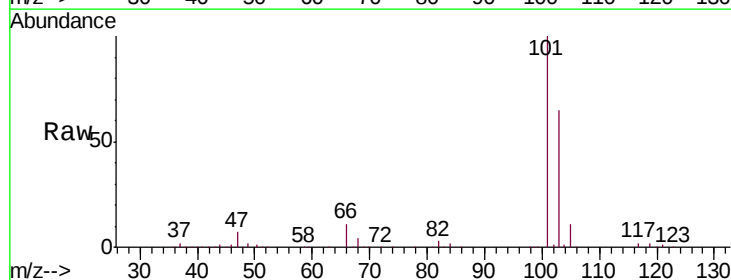
Acq: 09 Aug 2019 18:20

Tgt Ion: 101 Resp: 310605

Ion Ratio Lower Upper

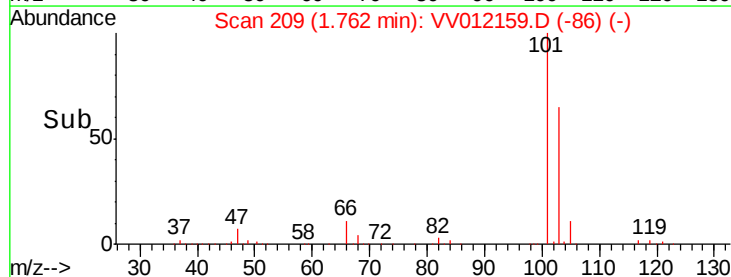
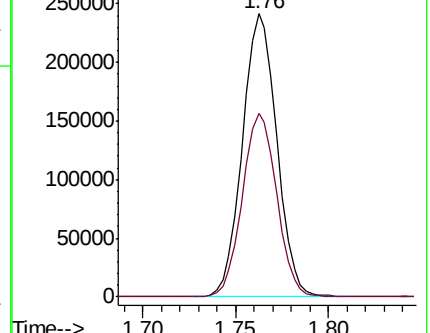
101 100

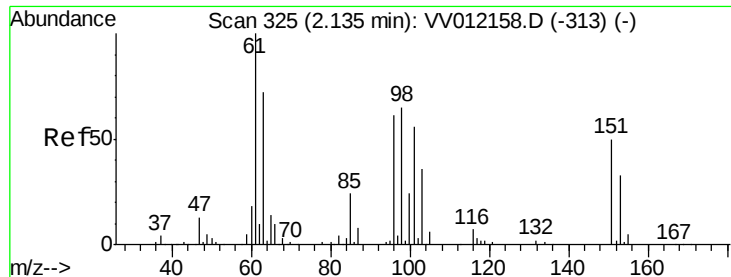
103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012158.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012158.D (-199) (-)





#10

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

Concen: 36.987 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

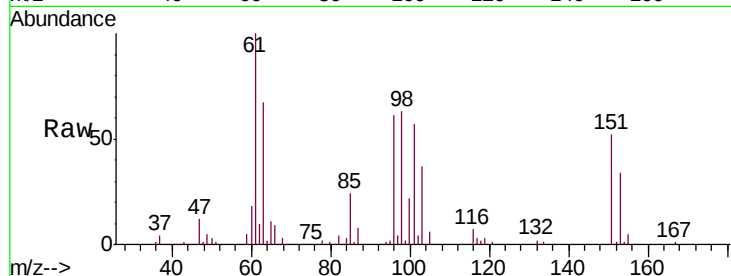
Tgt Ion: 101 Resp: 145629

Ion Ratio Lower Upper

101 100

85 42.1 33.6 50.4

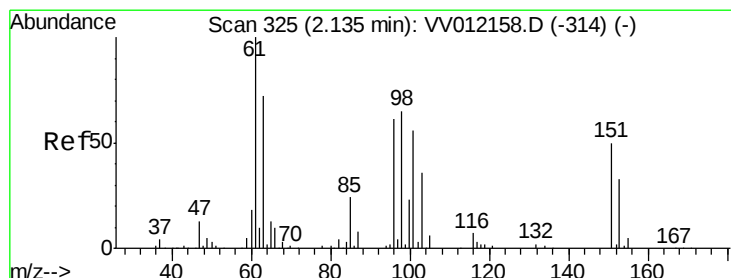
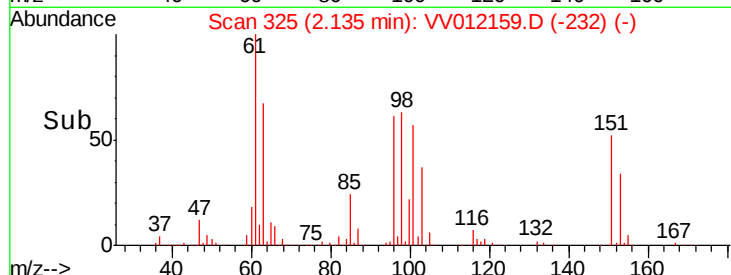
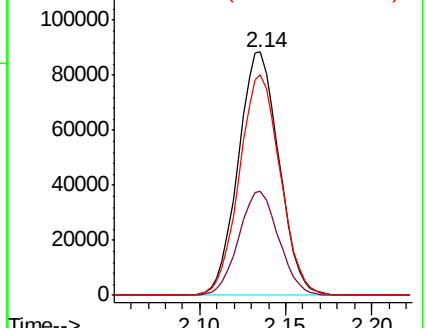
151 90.8 71.8 107.8



Abundance Ion 101.00 (100.70 to 101.70): VV012159.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV012159.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV012159.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 39.001 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

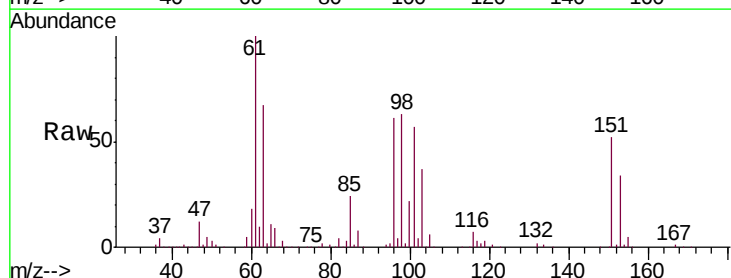
Tgt Ion: 96 Resp: 136312

Ion Ratio Lower Upper

96 100

61 163.8 115.1 213.8

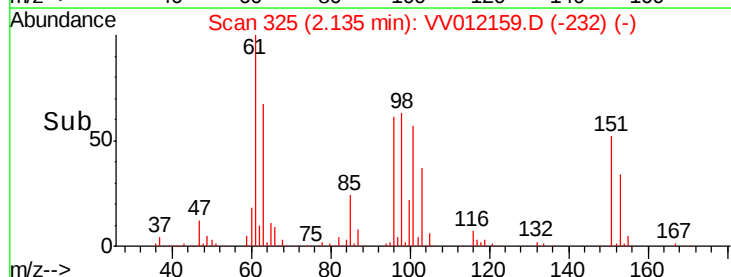
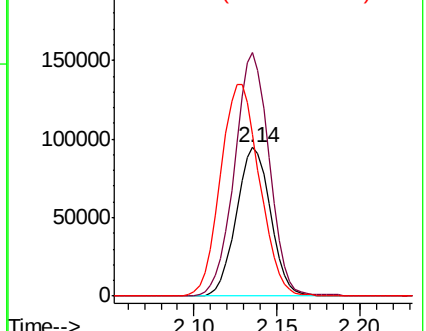
63 109.0 83.9 155.7

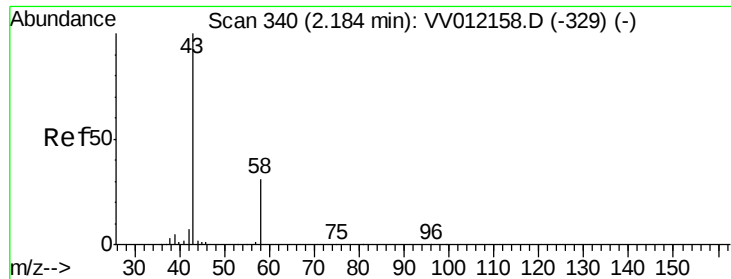


Abundance Ion 96.00 (95.70 to 96.70): VV012159.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV012159.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV012159.D (-232) (-)





#13

Acetone

Concen: 104.834 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV012159.D

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Instrument :

MSVOA_V

ClientSampleId :

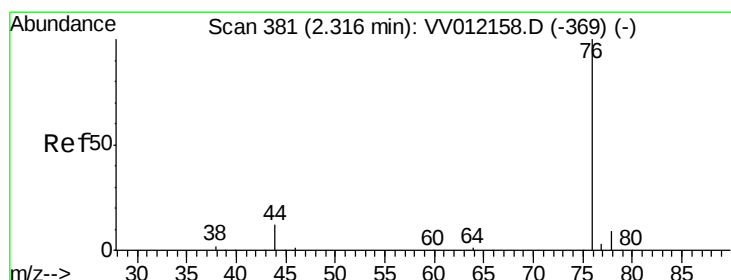
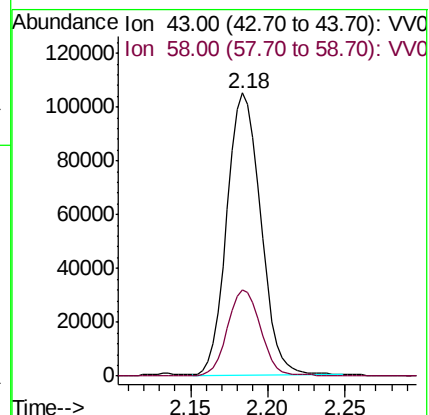
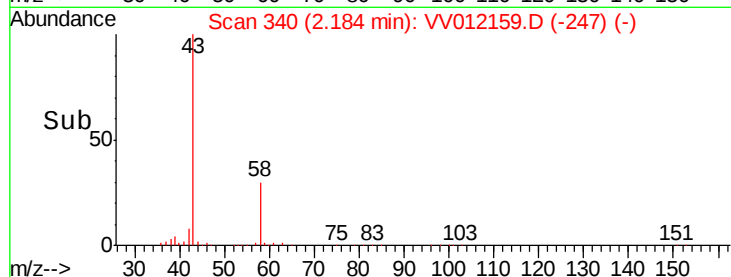
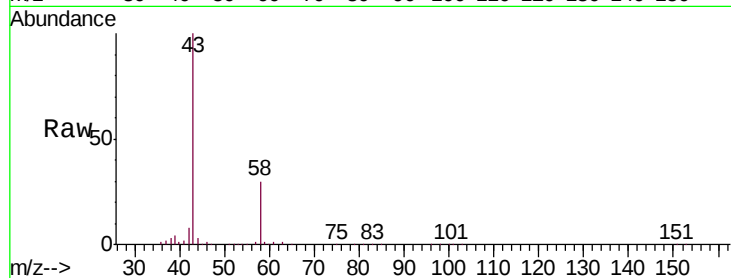
VSTD10061

Tgt Ion: 43 Resp: 159357

Ion Ratio Lower Upper

43 100

58 30.2 0.0 63.4



#14

Carbon disulfide

Concen: 95.166 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012159.D

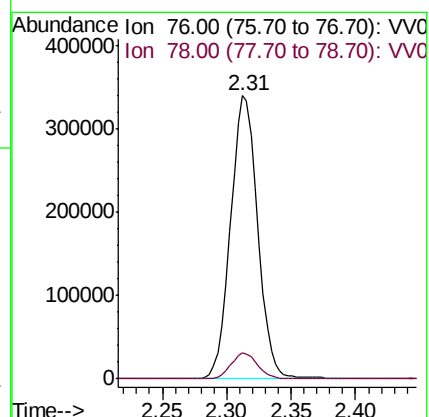
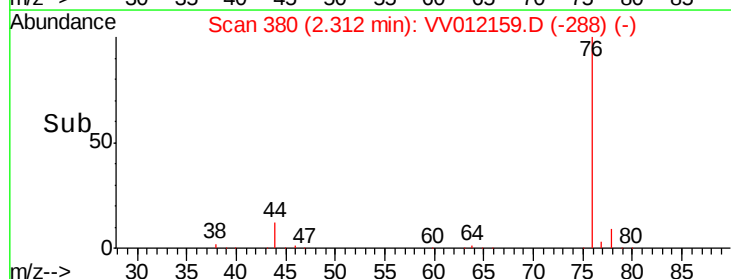
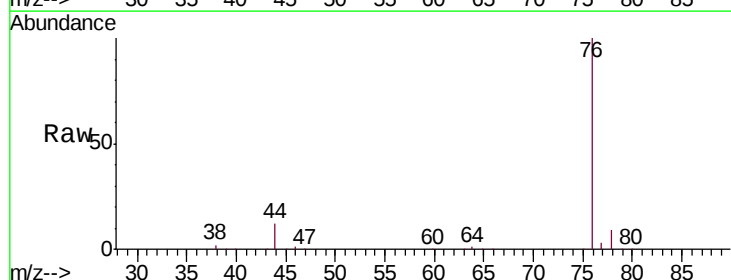
Acq: 09 Aug 2019 18:20

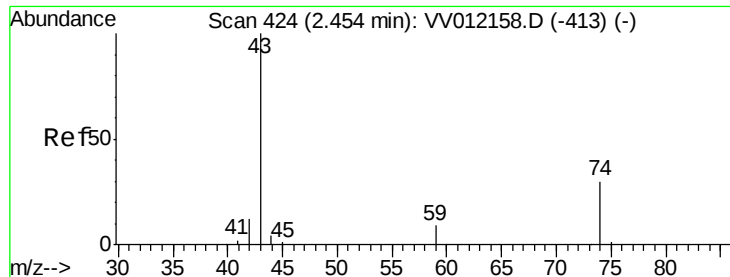
Tgt Ion: 76 Resp: 496843

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

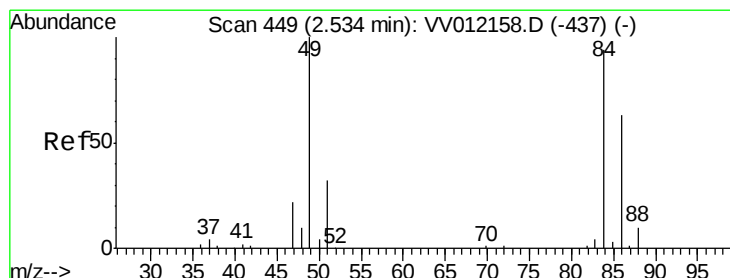
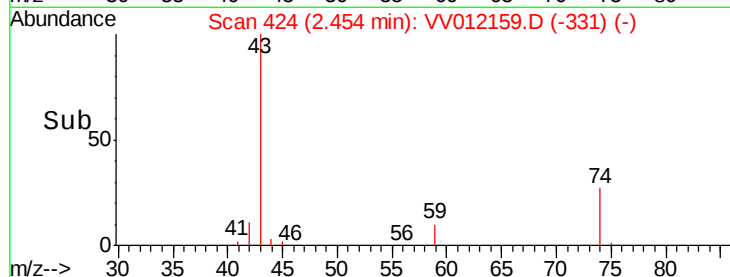
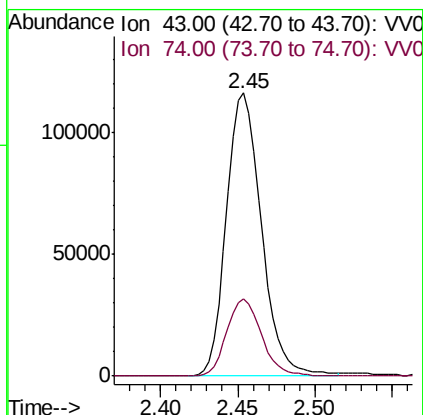
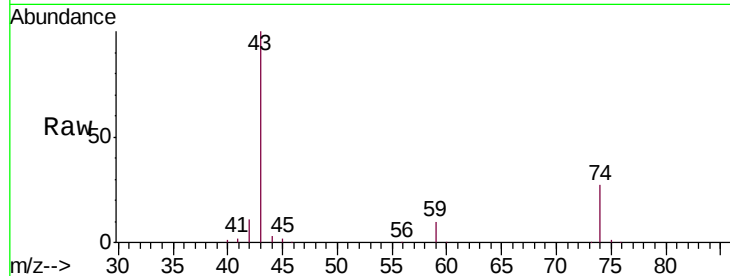




#15
Methyl Acetate
Concen: 90.036 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV012159.D
Acq: 09 Aug 2019 18:20

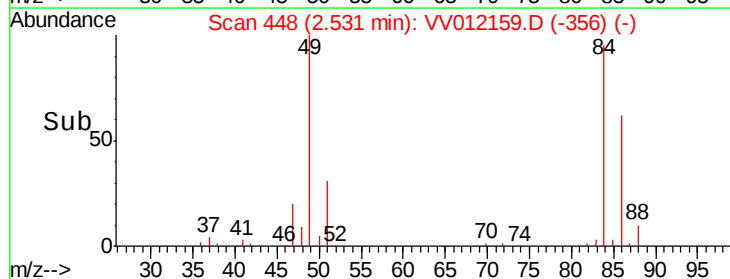
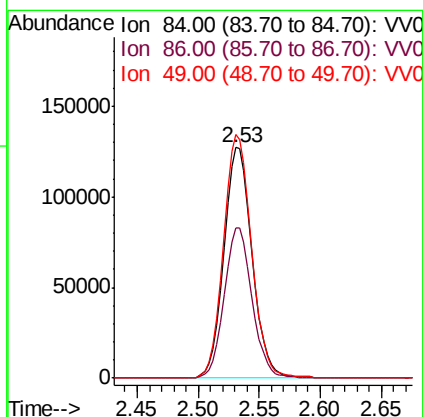
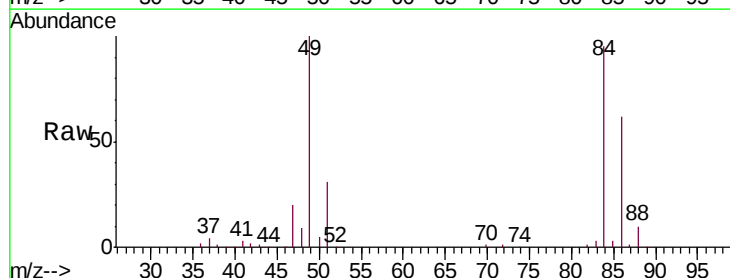
Instrument :
MSVOA_V
ClientSampled :
VSTD10061

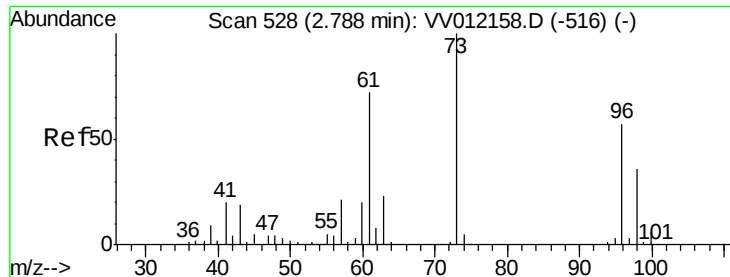
Tgt Ion: 43 Resp: 181954
Ion Ratio Lower Upper
43 100
74 27.3 22.4 33.6



#16
Methylene chloride
Concen: 92.972 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012159.D
Acq: 09 Aug 2019 18:20

Tgt Ion: 84 Resp: 206729
Ion Ratio Lower Upper
84 100
86 65.1 47.0 87.4
49 105.5 74.8 139.0

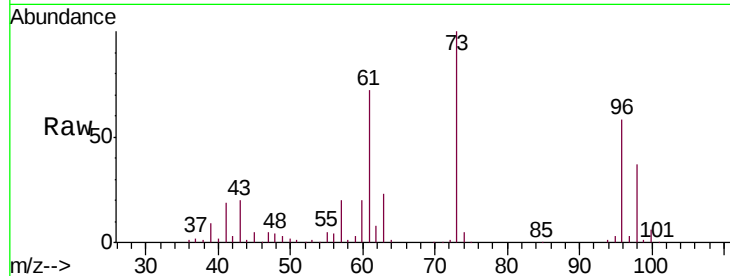




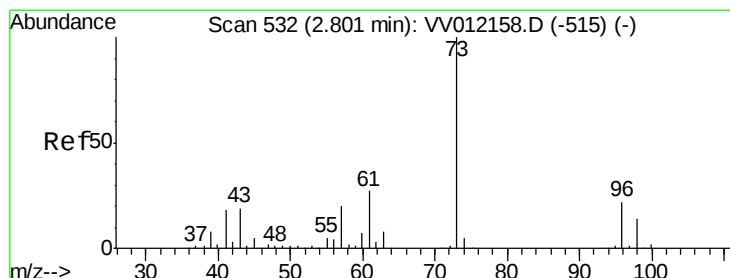
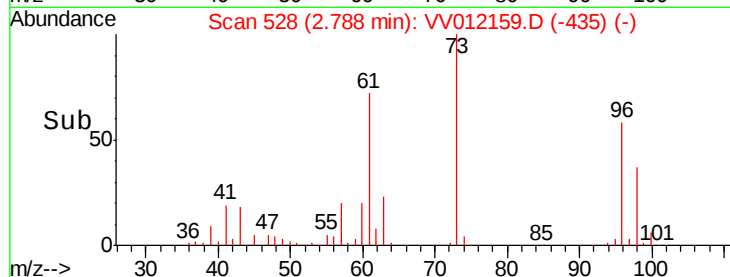
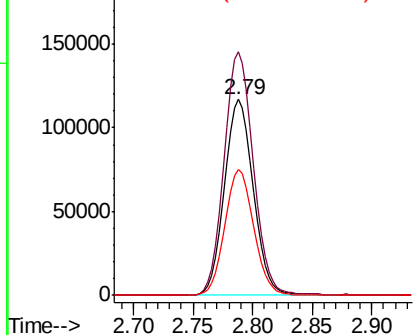
#17
trans-1,2-Dichloroethene
Concen: 95.239 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV012159.D
Acq: 09 Aug 2019 18:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tgt Ion: 96 Resp: 197570
Ion Ratio Lower Upper
96 100
61 124.2 89.3 165.9
98 64.2 44.7 83.1

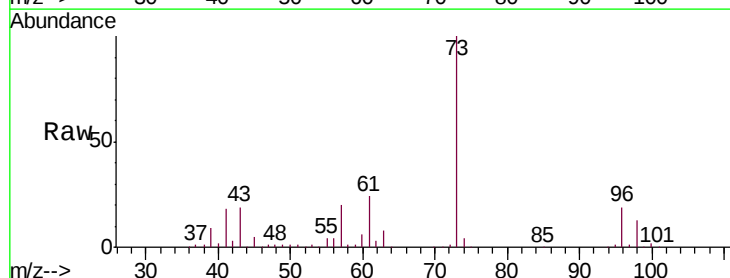


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

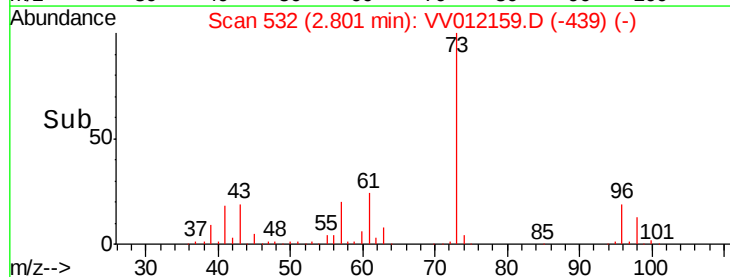
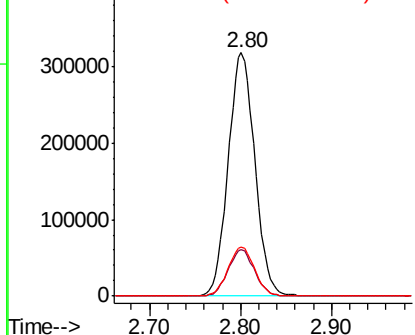


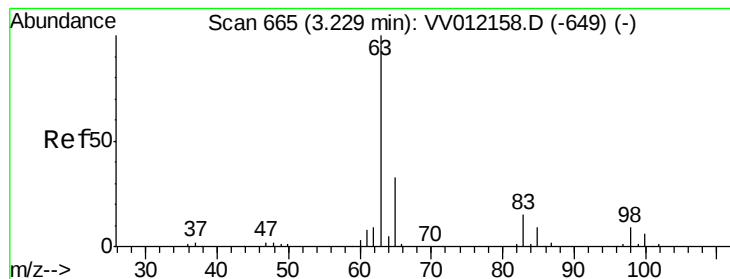
#18
Methyl tert-butyl Ether
Concen: 102.881 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV012159.D
Acq: 09 Aug 2019 18:20

Tgt Ion: 73 Resp: 647399
Ion Ratio Lower Upper
73 100
43 18.9 15.2 22.8
57 20.1 16.2 24.2



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: 92.221 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

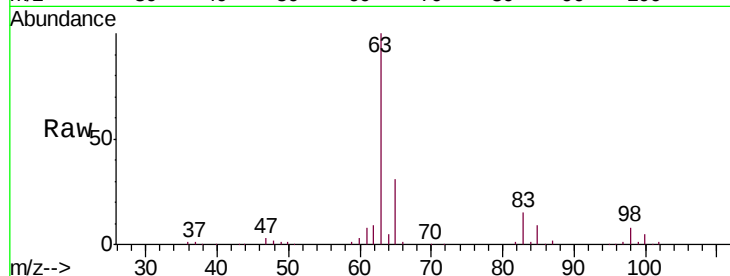
Tgt Ion: 63 Resp: 345159

Ion Ratio Lower Upper

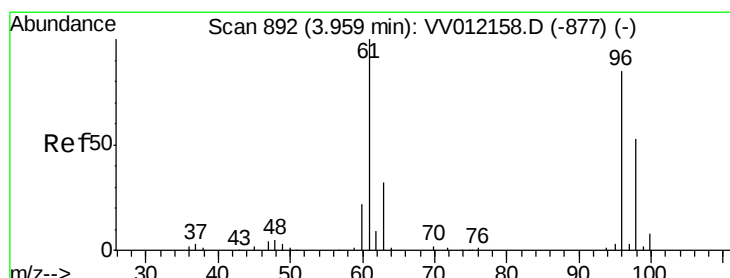
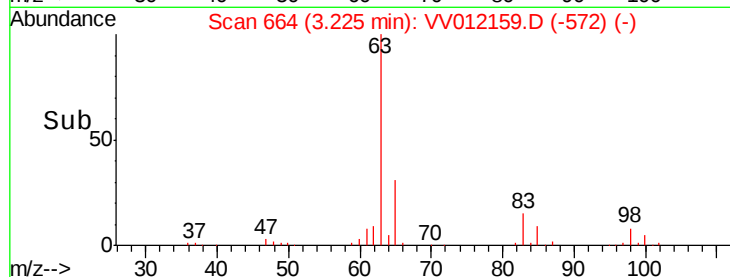
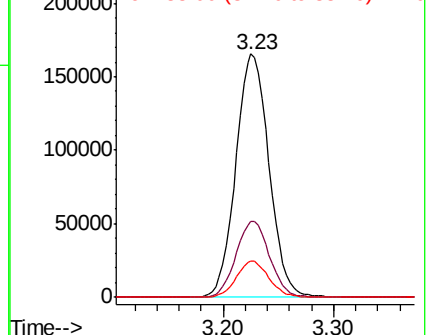
63 100

65 31.3 22.9 42.5

83 14.9 10.4 19.2



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: 97.977 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

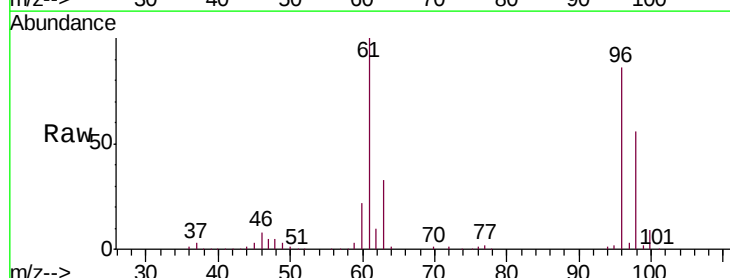
Tgt Ion: 96 Resp: 226809

Ion Ratio Lower Upper

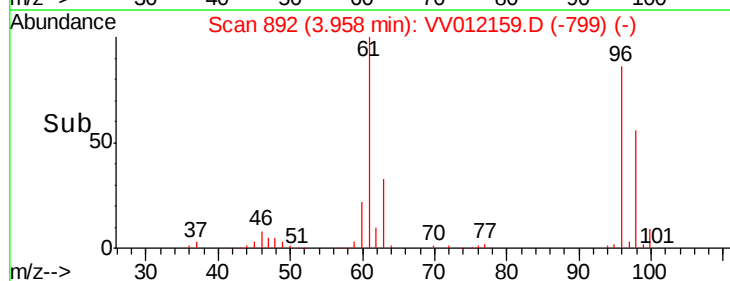
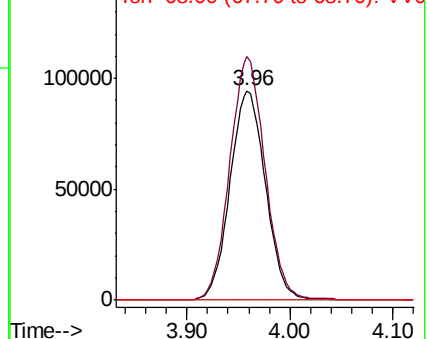
96 100

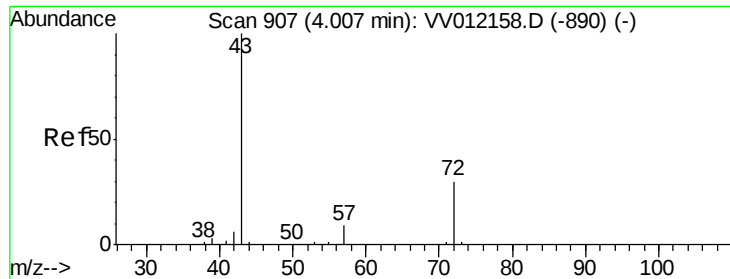
61 116.2 82.9 153.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 178.113 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

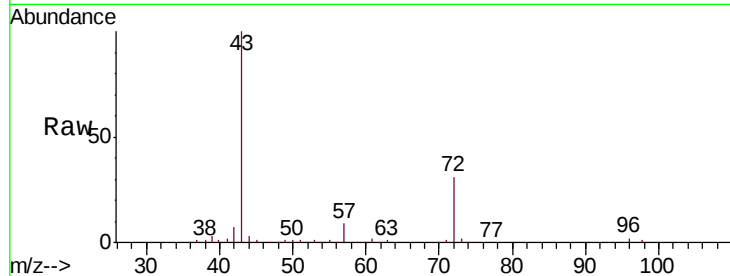
VSTD10061

Tgt Ion: 43 Resp: 271145

Ion Ratio Lower Upper

43 100

72 30.4 14.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VV012159.D (-814) (-)

Ion 72.00 (71.70 to 72.70): VV012159.D (-814) (-)

4.01

120000

100000

80000

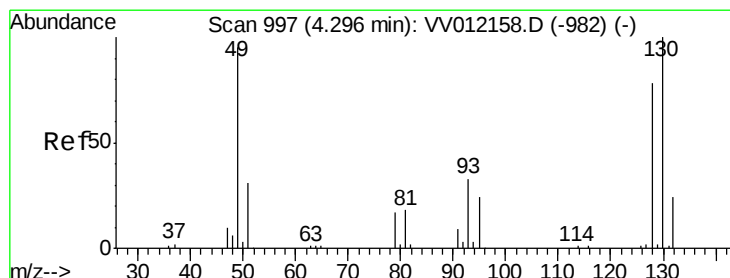
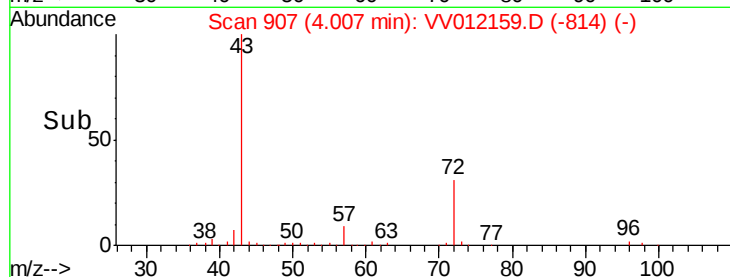
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 105.721 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Tgt Ion: 128 Resp: 124763

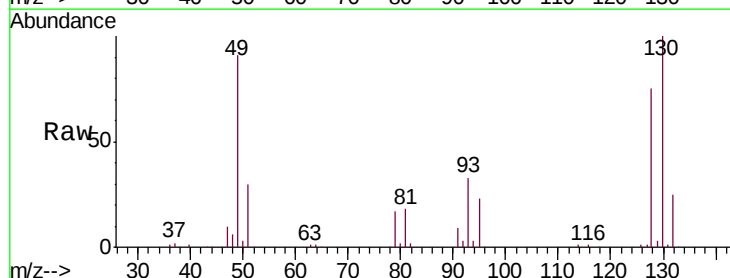
Ion Ratio Lower Upper

128 100

49 121.0 85.7 159.1

130 132.5 89.9 166.9

51 39.3 31.7 47.5



Abundance Ion 128.00 (127.70 to 128.70): VV012159.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV012159.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV012159.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV012159.D (-904) (-)

100000

80000

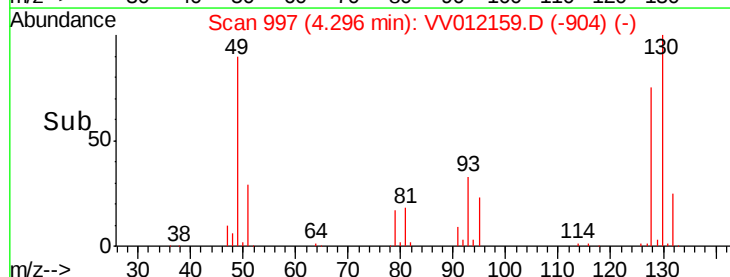
60000

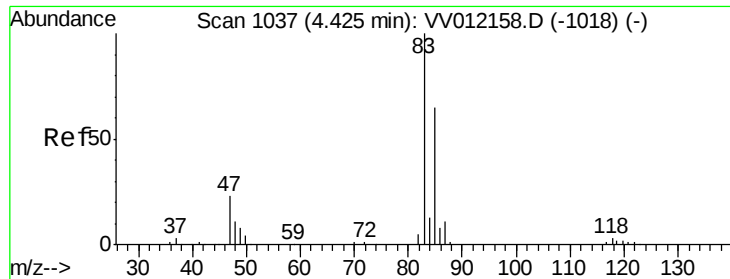
40000

20000

0

Time-->

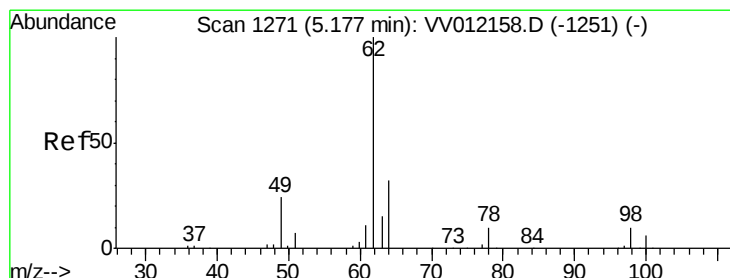
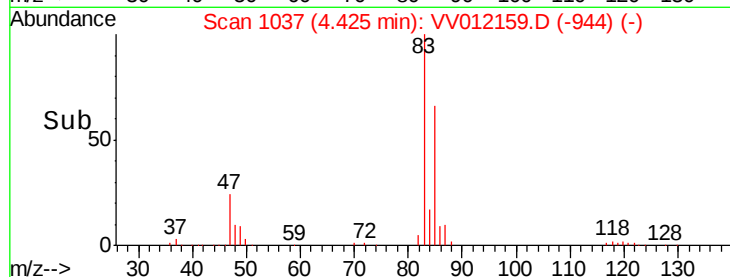
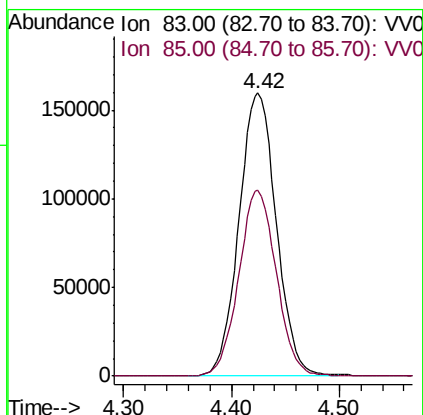
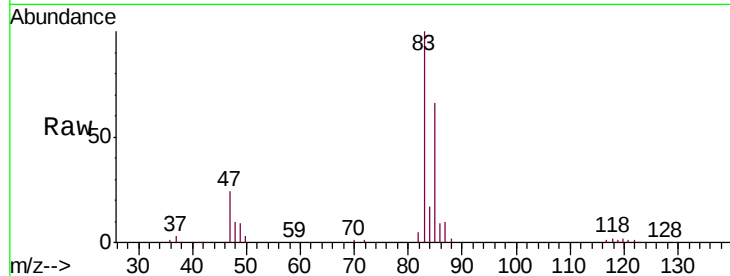




#25
Chloroform
Concen: 94.027 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012159.D
Acq: 09 Aug 2019 18:20

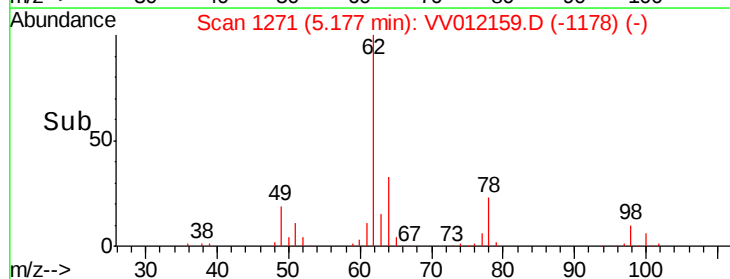
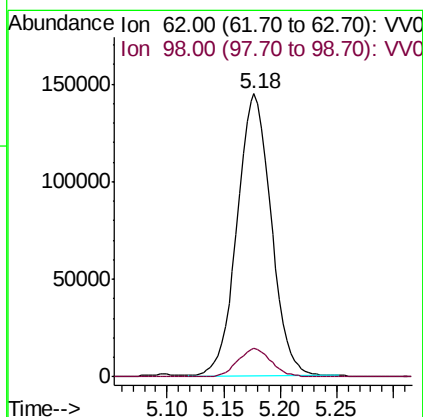
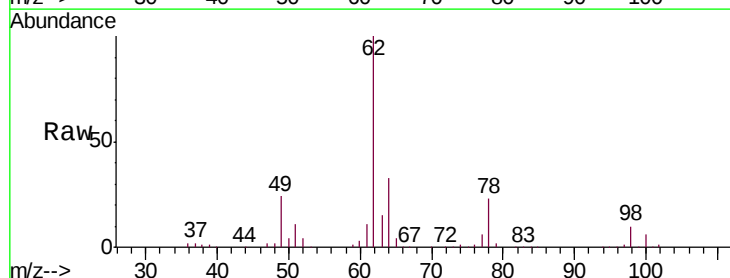
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

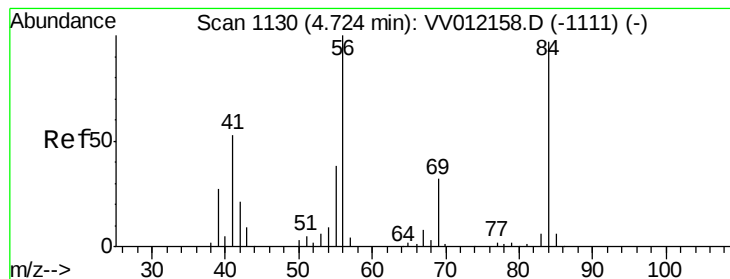
Tgt Ion: 83 Resp: 384819
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 91.253 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012159.D
Acq: 09 Aug 2019 18:20

Tgt Ion: 62 Resp: 303912
Ion Ratio Lower Upper
62 100
98 10.0 8.1 12.1





#29

Cyclohexane

Concen: 98.194 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

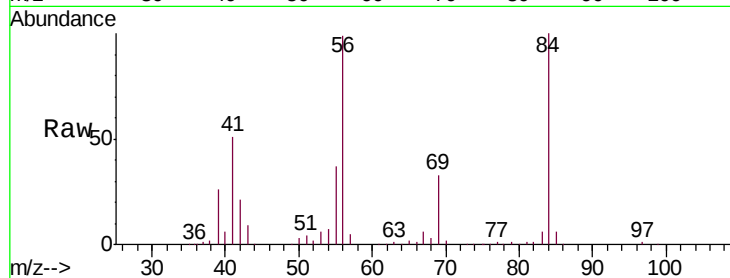
Tgt Ion: 56 Resp: 299696

Ion Ratio Lower Upper

56 100

69 32.4 26.6 40.0

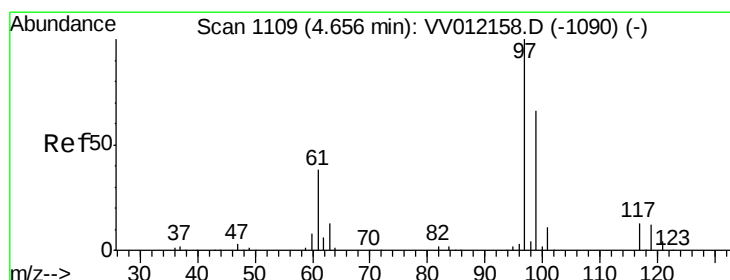
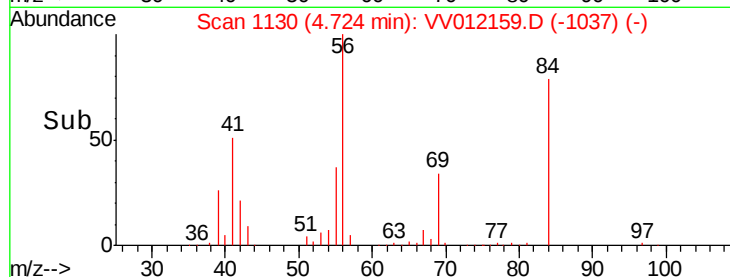
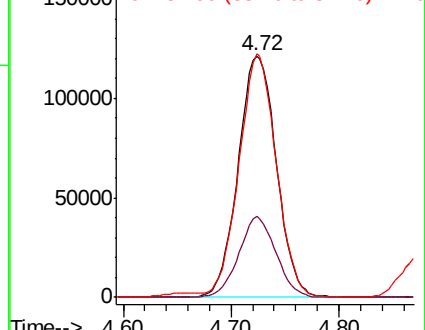
84 97.8 78.6 117.8



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: 113.397 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

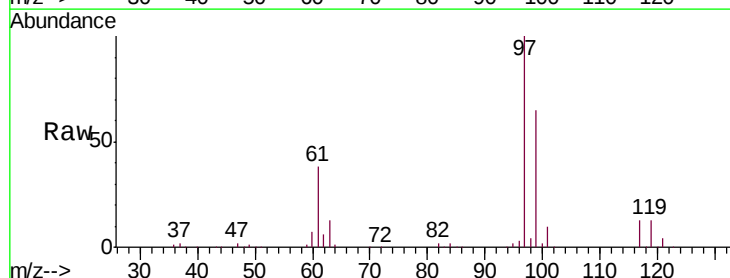
Tgt Ion: 97 Resp: 363186

Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

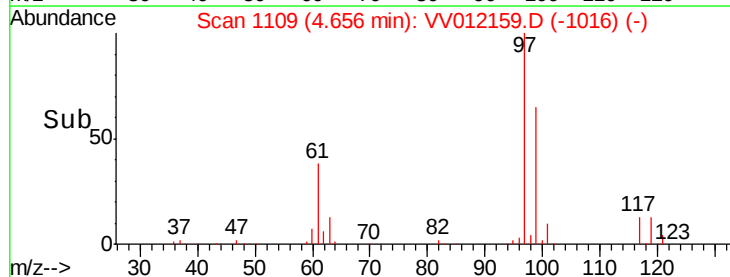
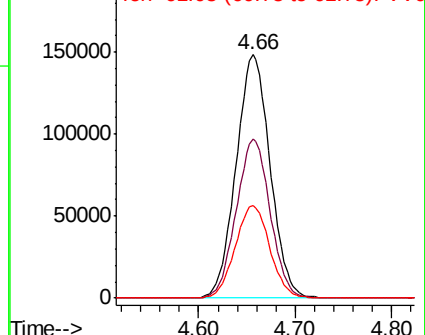
61 38.7 31.5 47.3

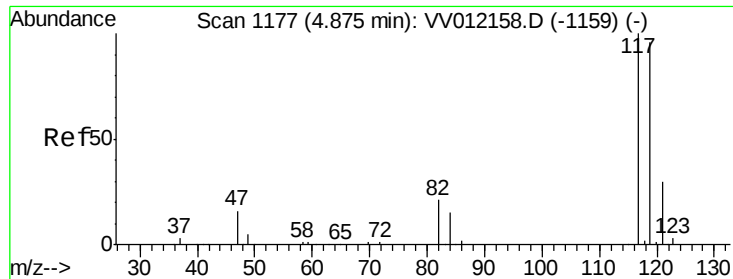


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 121.048 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

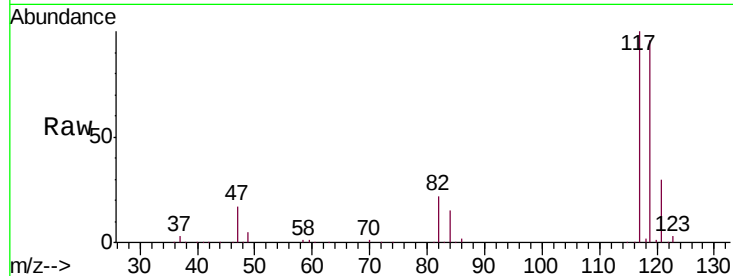
VSTD10061

Tgt Ion:117 Resp: 340831

Ion Ratio Lower Upper

117 100

119 97.1 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

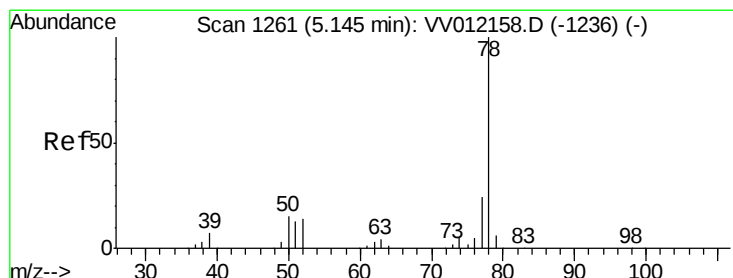
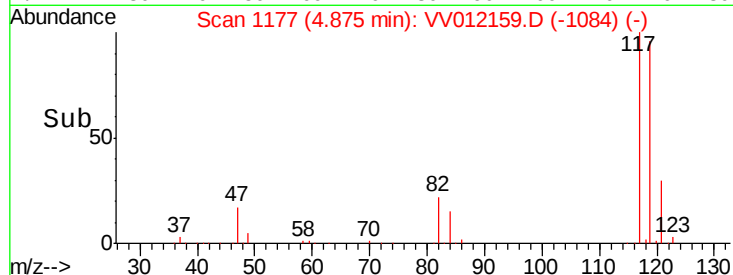
100000

50000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 96.820 ug/L

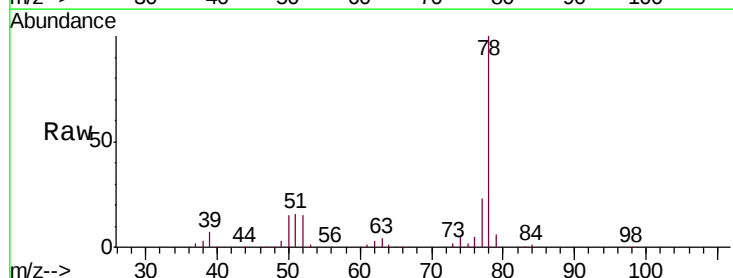
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Tgt Ion: 78 Resp: 791825



Abundance Ion 78.00 (77.70 to 78.70): VV0

400000

300000

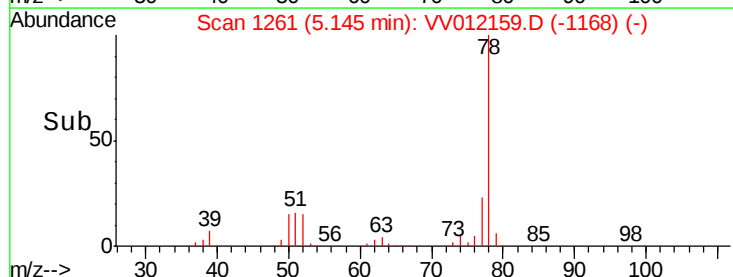
200000

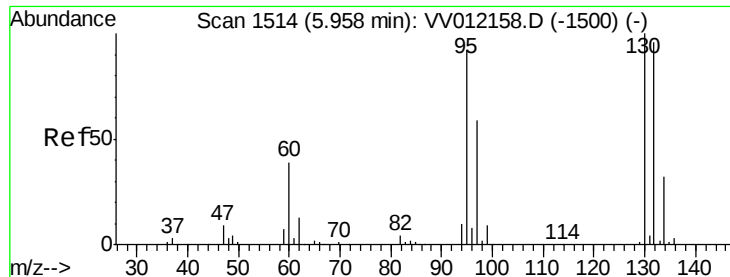
100000

0

5.00 5.10 5.20

Time-->

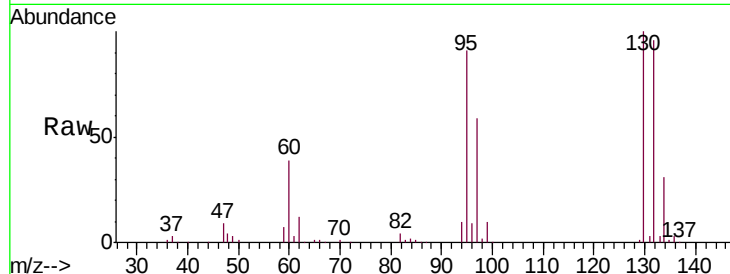




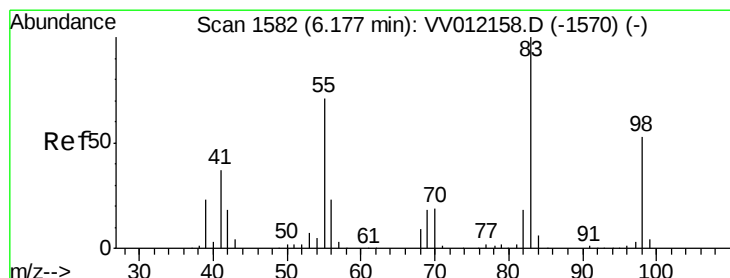
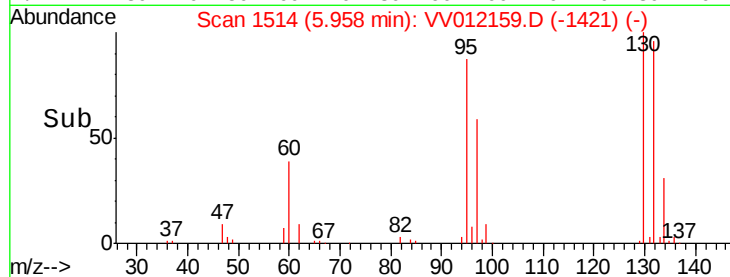
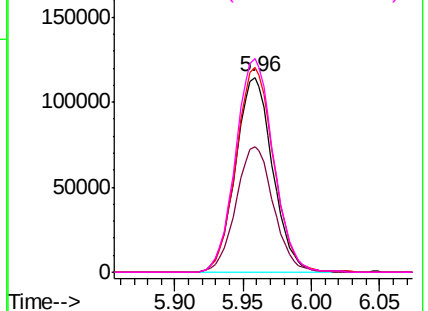
#34
 Trichloroethene
 Concen: 104.530 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Tgt Ion: 95 Resp: 216080
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 83.1
 132 105.5 72.7 134.9
 130 109.7 75.9 141.1

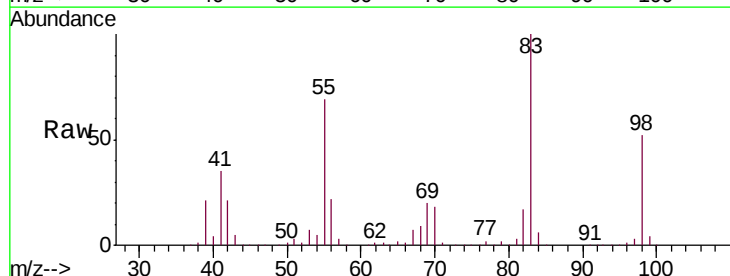


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

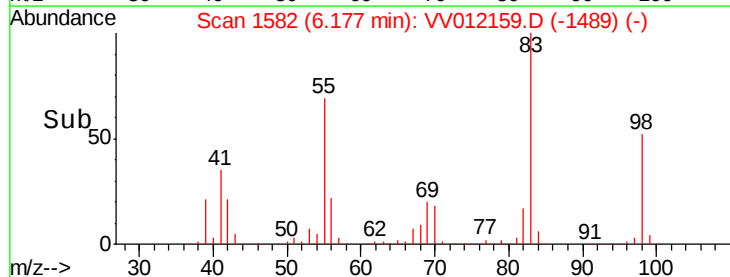
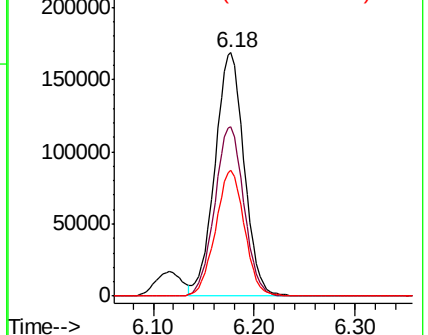


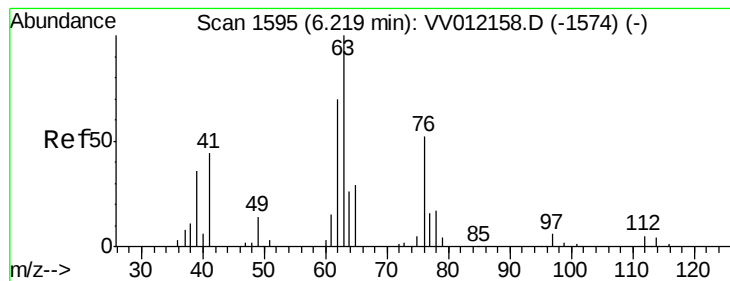
#35
 Methylcyclohexane
 Concen: 100.220 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion: 83 Resp: 340808
 Ion Ratio Lower Upper
 83 100
 55 69.3 54.9 82.3
 98 51.3 40.7 61.1



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: 90.876 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

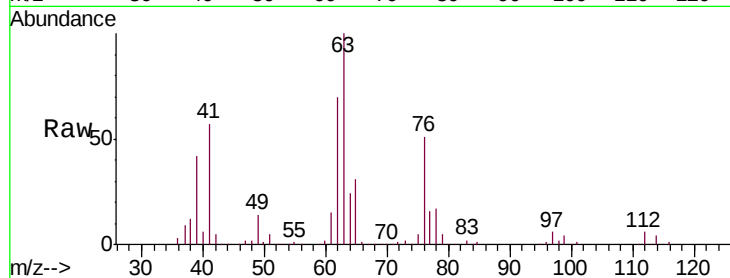
VSTD10061

Tgt Ion: 63 Resp: 189402

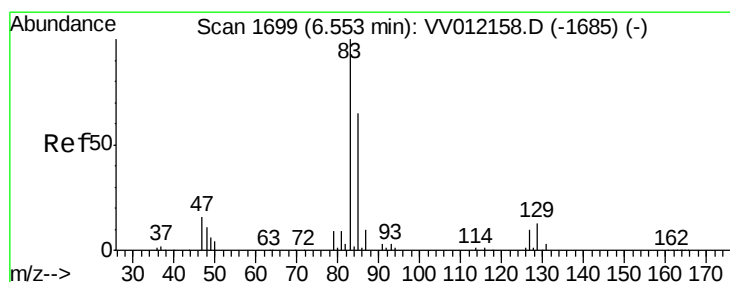
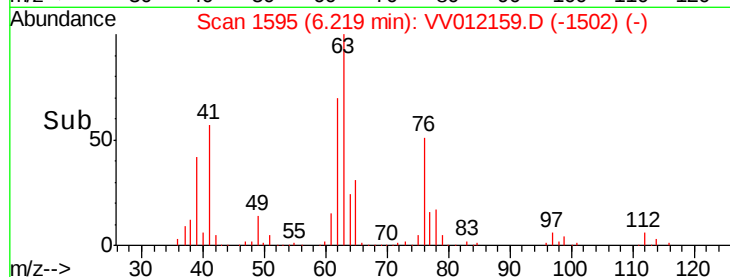
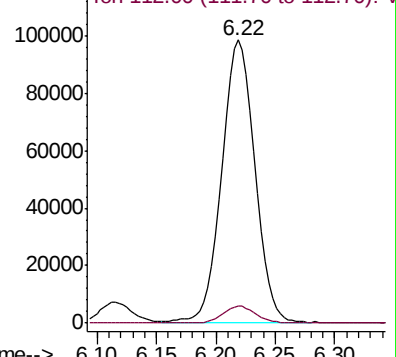
Ion Ratio Lower Upper

63 100

112 5.9 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VV012159.D (-1502) (-)



#38

Bromodichloromethane

Concen: 111.083 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

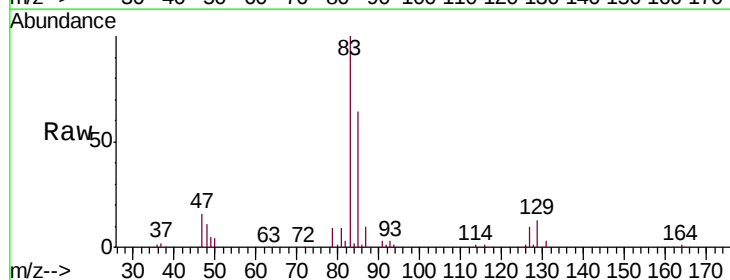
Tgt Ion: 83 Resp: 301120

Ion Ratio Lower Upper

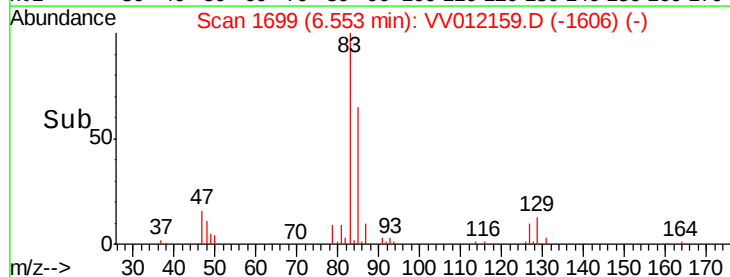
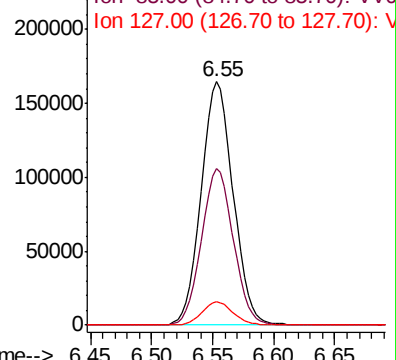
83 100

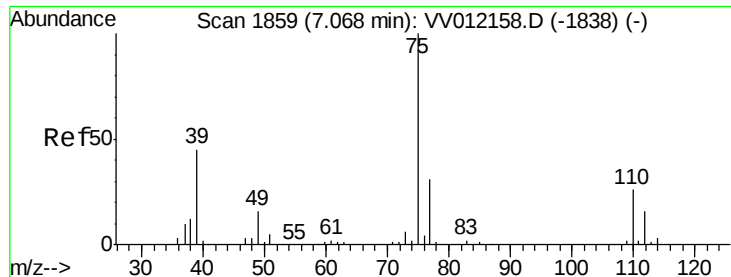
85 64.4 45.5 84.5

127 9.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV012159.D (-1606) (-)

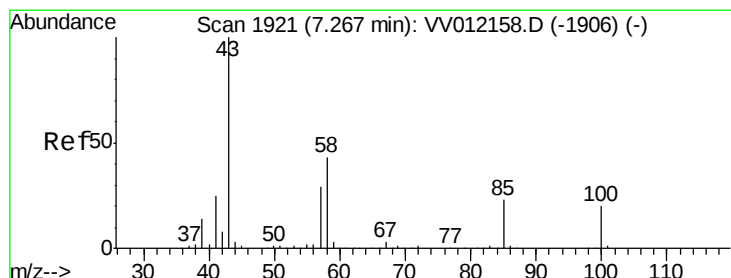
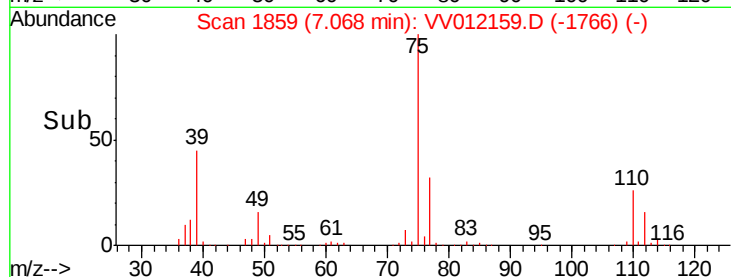
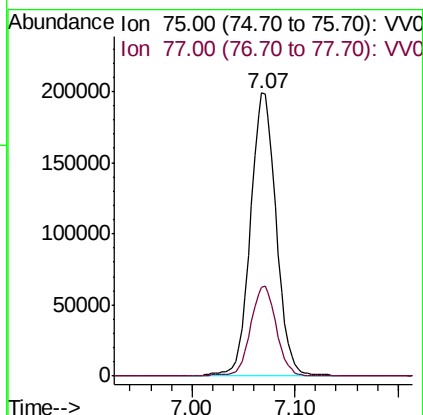
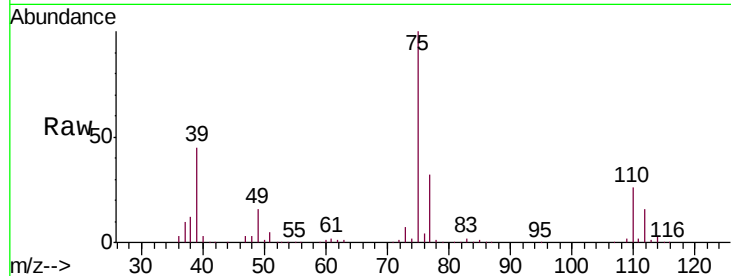




#39
 cis-1,3-Dichloropropene
 Concen: 112.636 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

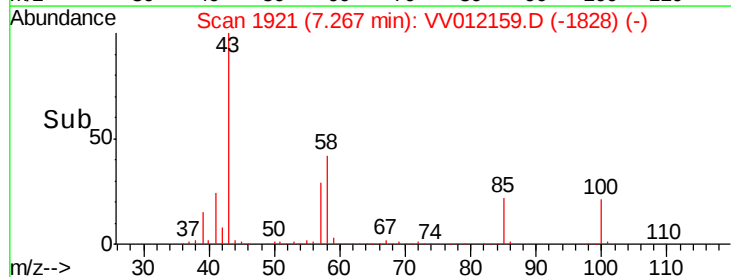
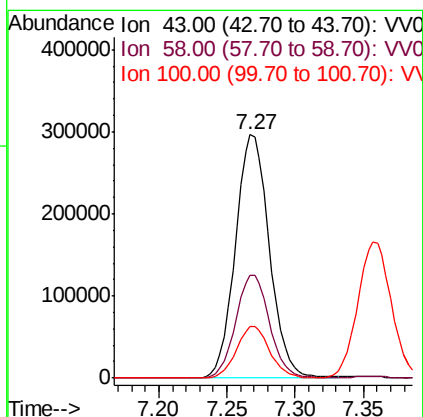
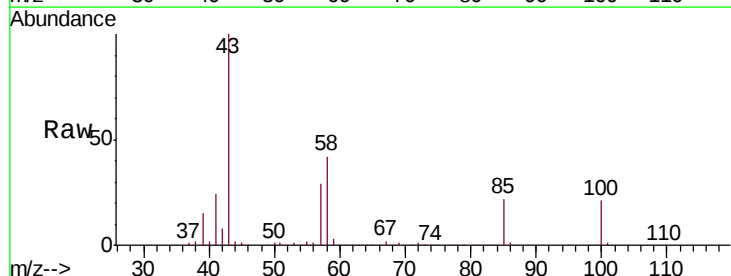
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10061

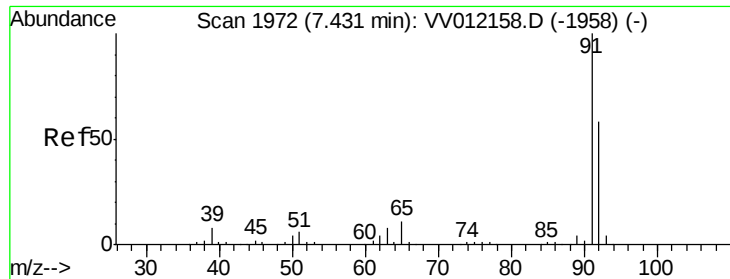
Tgt Ion: 75 Resp: 344498
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 182.807 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion: 43 Resp: 512086
 Ion Ratio Lower Upper
 43 100
 58 42.2 34.7 52.1
 100 20.7 16.2 24.2





#42

Toluene

Concen: 95.795 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

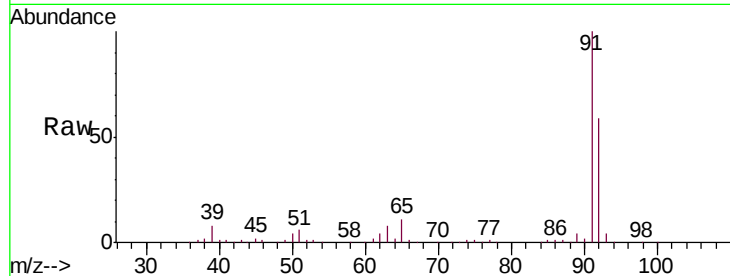
VSTD10061

Tgt Ion: 91 Resp: 890345

Ion Ratio Lower Upper

91 100

92 59.3 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV012158.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV012159.D (-1879) (-)

7.43

600000

500000

400000

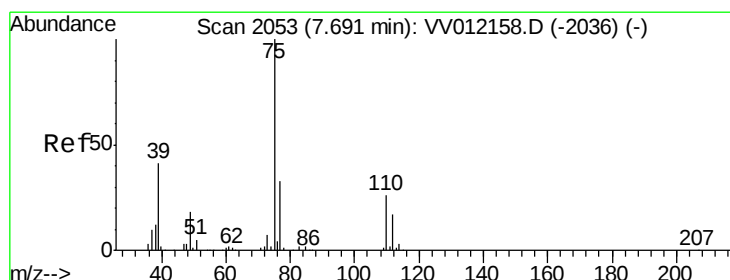
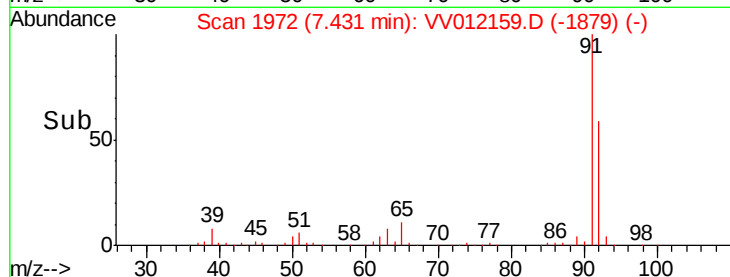
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 110.388 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012159.D

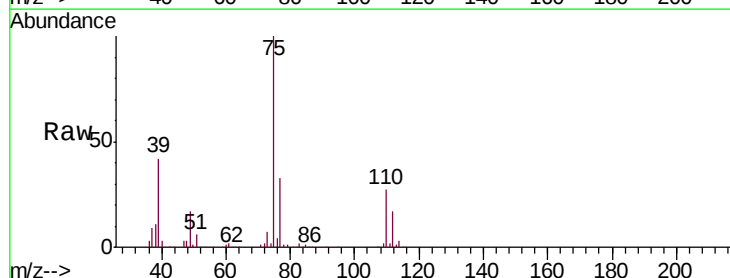
Acq: 09 Aug 2019 18:20

Tgt Ion: 75 Resp: 315331

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV012158.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV012159.D (-1960) (-)

7.69

200000

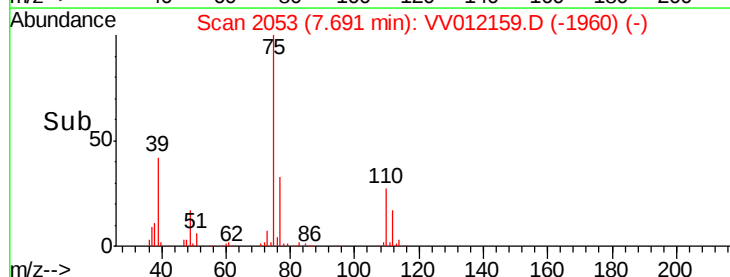
150000

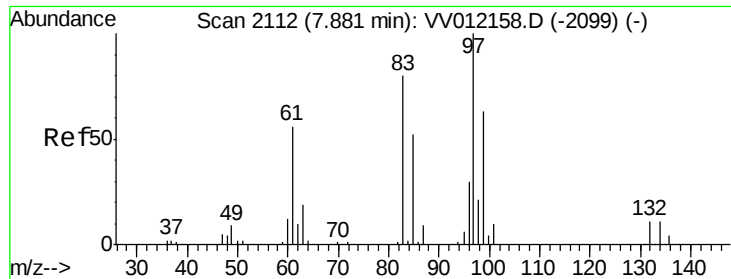
100000

50000

0

Time-->

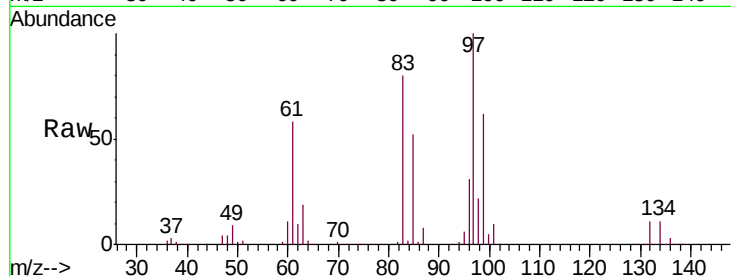




#45
 1,1,2-Trichloroethane
 Concen: 101.217 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Tgt Ion:	97	Resp:	209921
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.2	82.0
83	79.5	55.9	103.9
85	51.9	36.3	67.3



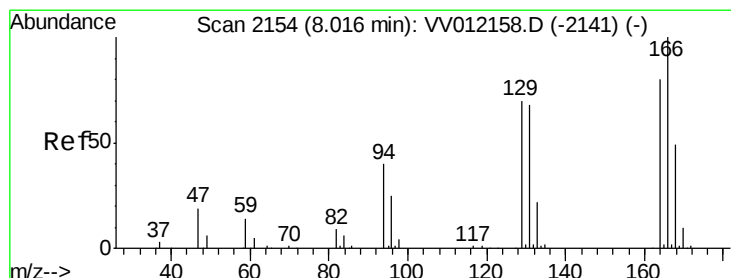
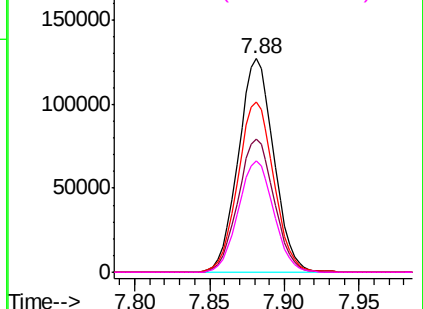
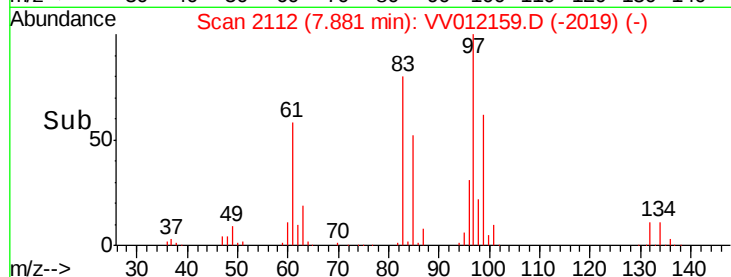
Abundance

Ion 97.00 (96.70 to 97.70): VV012159.D (-2019) (-)

Ion 99.00 (98.70 to 99.70): VV012159.D (-2019) (-)

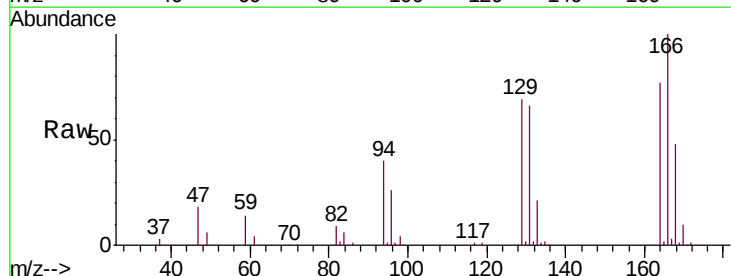
Ion 83.00 (82.70 to 83.70): VV012159.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV012159.D (-2019) (-)



#46
 Tetrachloroethene
 Concen: 118.667 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion:	164	Resp:	206735
Ion	Ratio	Lower	Upper
164	100		
129	89.1	60.6	112.6
131	85.8	59.5	110.5
166	129.1	87.2	161.9



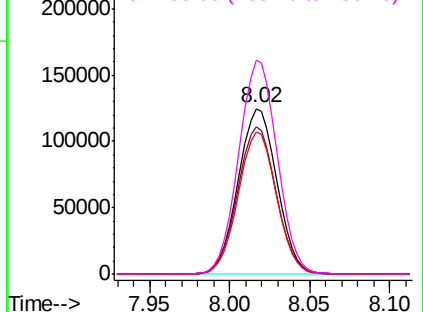
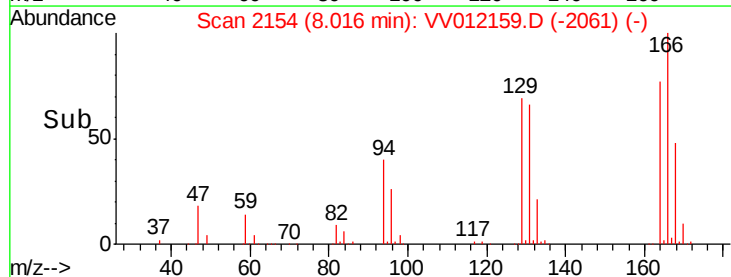
Abundance

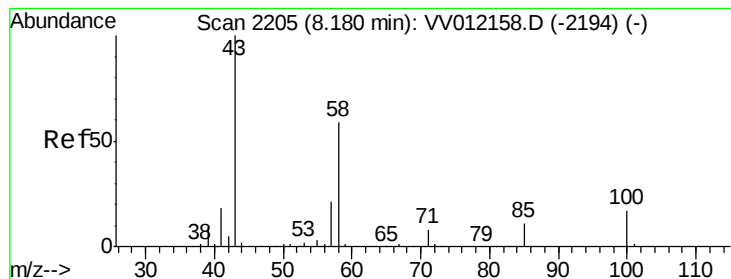
Ion 164.00 (163.70 to 164.70): VV012159.D (-2061) (-)

Ion 129.00 (128.70 to 129.70): VV012159.D (-2061) (-)

Ion 131.00 (130.70 to 131.70): VV012159.D (-2061) (-)

Ion 166.00 (165.70 to 166.70): VV012159.D (-2061) (-)





#48

2-Hexanone

Concen: 185.455 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

Tgt Ion: 43 Resp: 388255

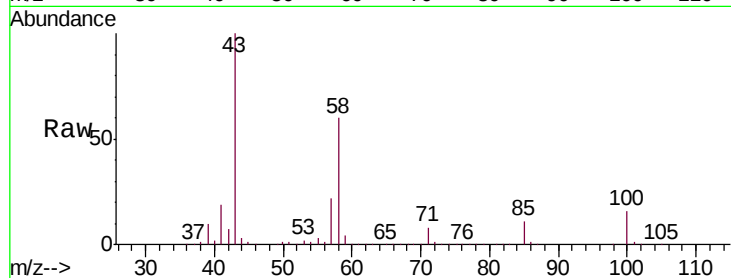
Ion Ratio Lower Upper

43 100

58 59.3 47.4 71.0

57 21.9 16.8 25.2

100 16.1 13.2 19.8

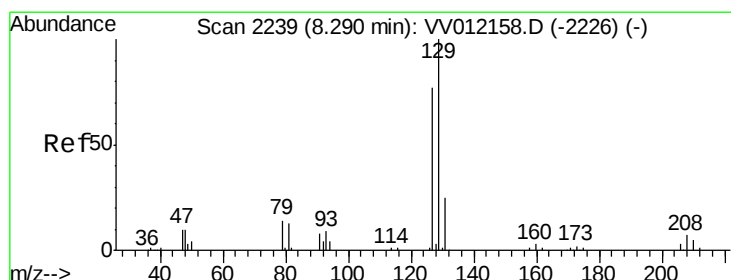
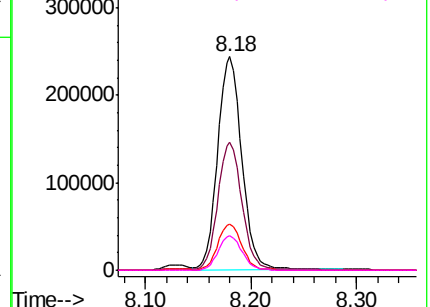
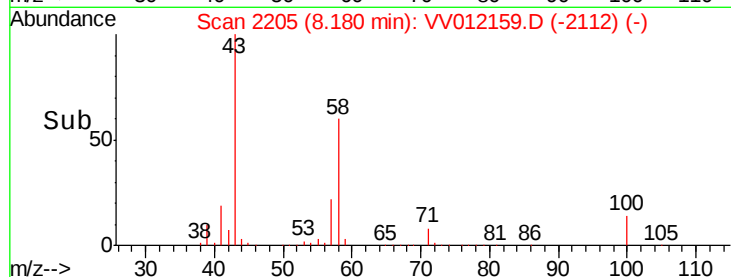


Abundance Ion 43.00 (42.70 to 43.70): VV012159.D (-2112) (-)

Ion 58.00 (57.70 to 58.70): VV012159.D (-2112) (-)

Ion 57.00 (56.70 to 57.70): VV012159.D (-2112) (-)

Ion 100.00 (99.70 to 100.70): VV012159.D (-2112) (-)



#49

Dibromochloromethane

Concen: 120.386 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VV012159.D

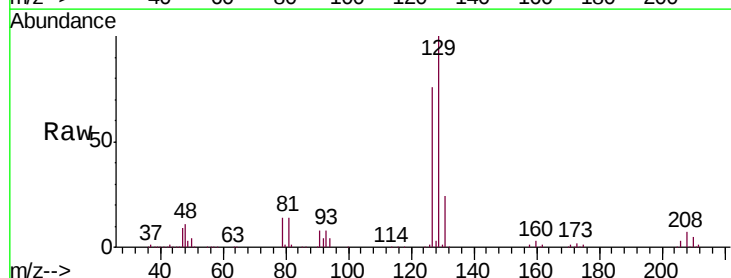
Acq: 09 Aug 2019 18:20

Tgt Ion: 129 Resp: 273557

Ion Ratio Lower Upper

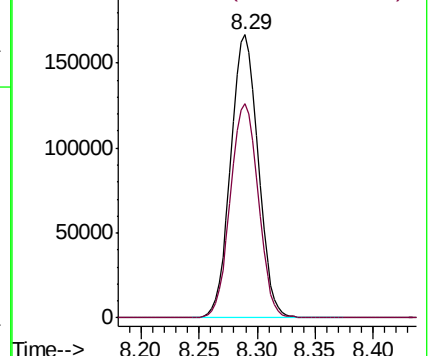
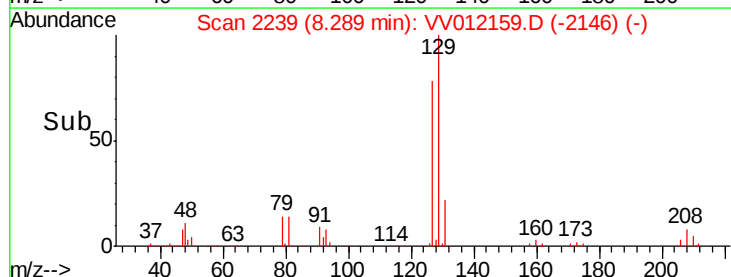
129 100

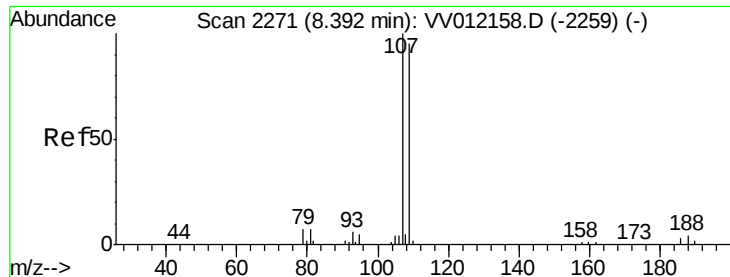
127 75.7 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): VV012159.D (-2146) (-)

Ion 127.00 (126.70 to 127.70): VV012159.D (-2146) (-)

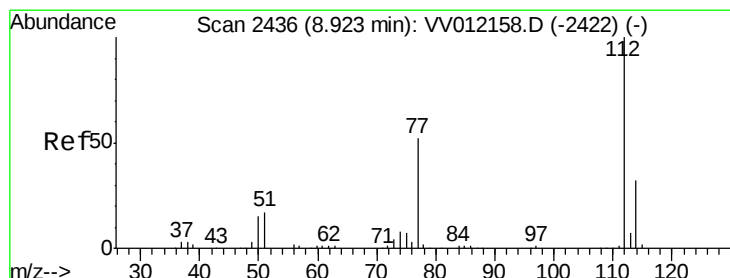
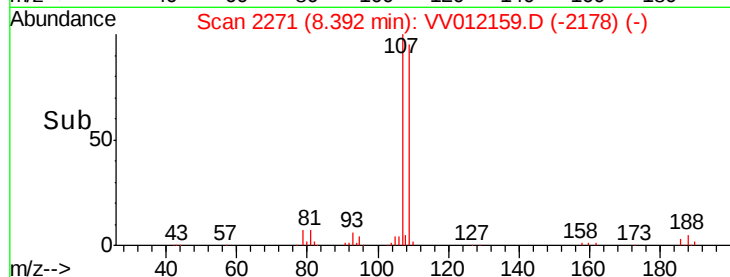
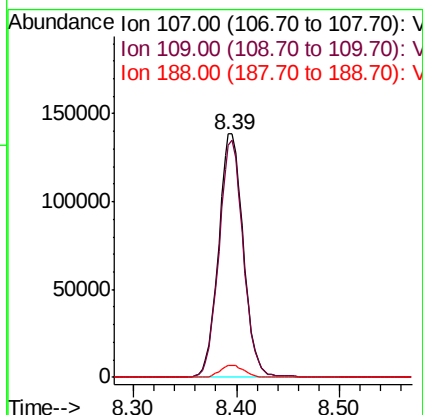
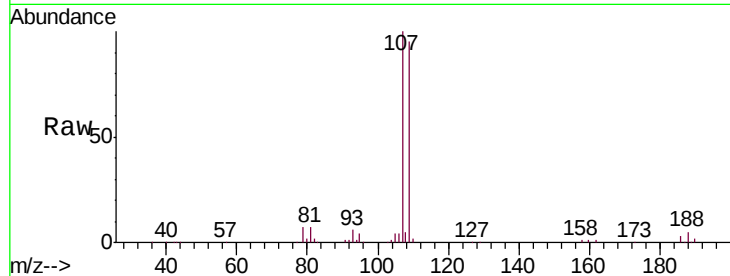




#50
 1,2-Dibromoethane
 Concen: 104.395 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

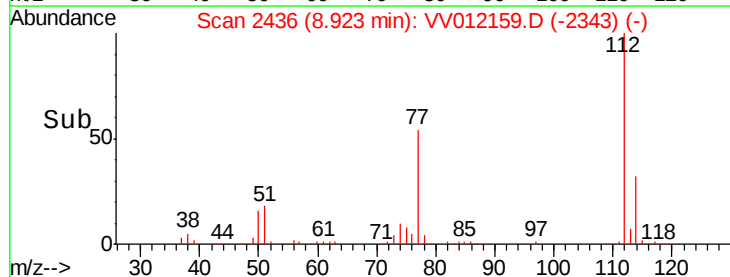
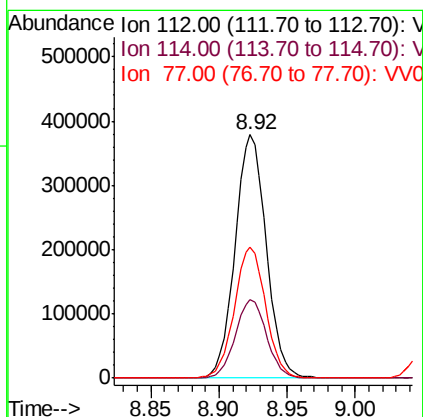
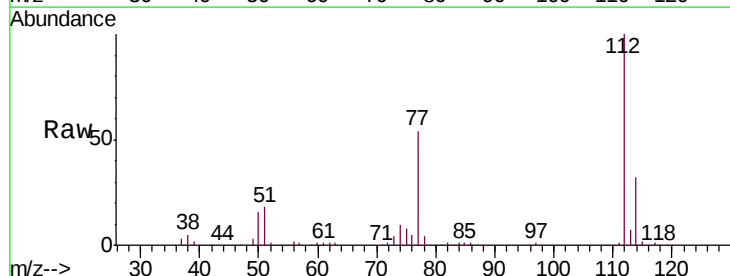
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

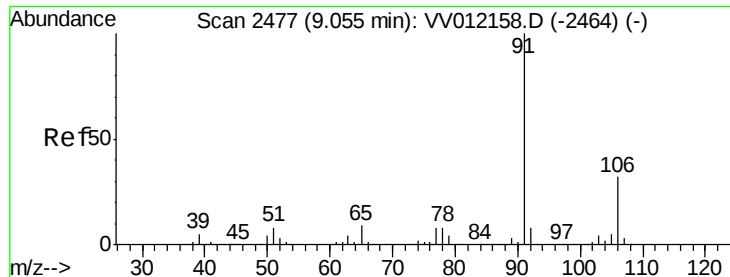
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.8	124.0
188	4.7	3.5	5.3



#51
 Chlorobenzene
 Concen: 96.698 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.5
77	54.0	41.5	62.3





#52

Ethylbenzene

Concen: 95.881 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

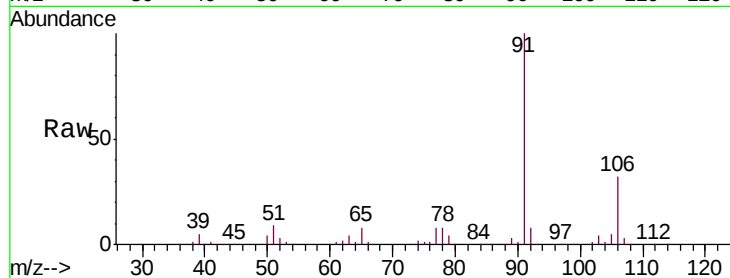
VSTD10061

Tgt Ion: 91 Resp: 1006079

Ion Ratio Lower Upper

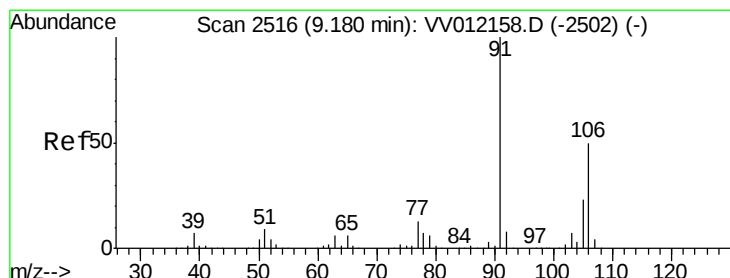
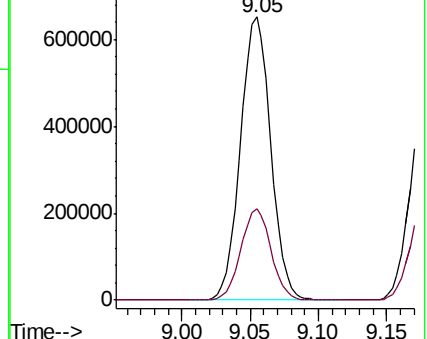
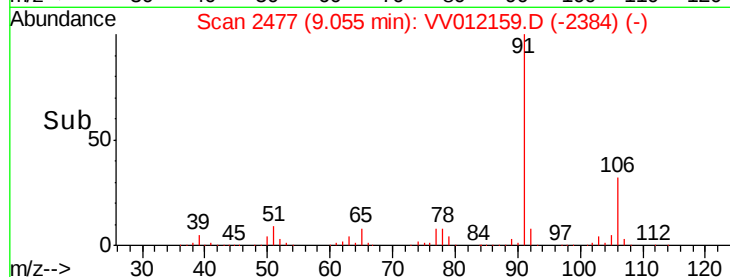
91 100

106 32.3 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VV012159.D (-2384) (-)

Ion 106.00 (105.70 to 106.70): VV012159.D (-2384) (-)



#53

m,p-Xylene

Concen: 97.536 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012159.D

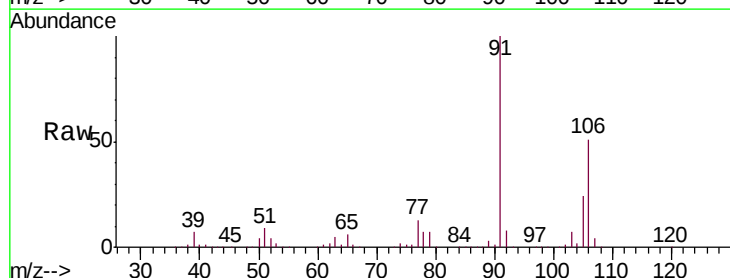
Acq: 09 Aug 2019 18:20

Tgt Ion: 106 Resp: 399627

Ion Ratio Lower Upper

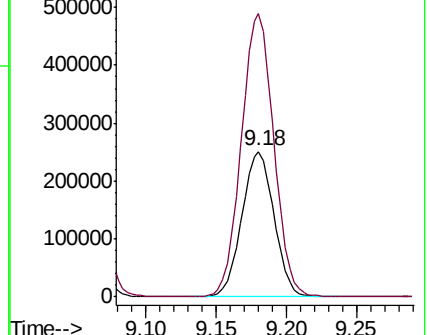
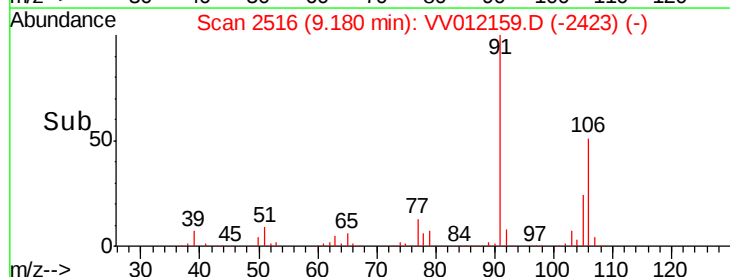
106 100

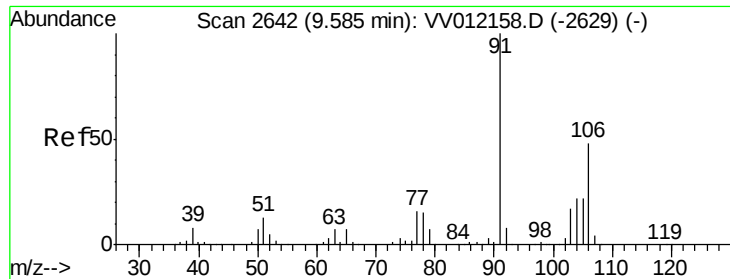
91 195.0 140.6 261.2



Abundance Ion 106.00 (105.70 to 106.70): VV012159.D (-2423) (-)

Ion 91.00 (90.70 to 91.70): VV012159.D (-2423) (-)





#54

o-xylene

Concen: 94.461 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

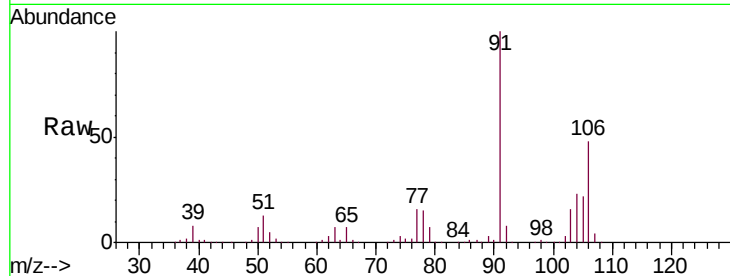
VSTD10061

Tgt Ion:106 Resp: 393184

Ion Ratio Lower Upper

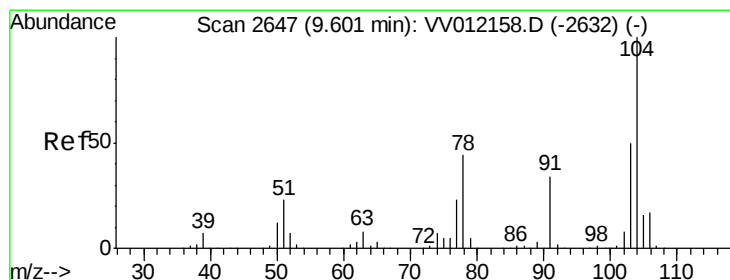
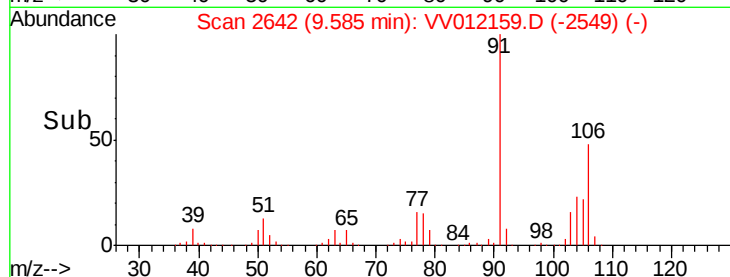
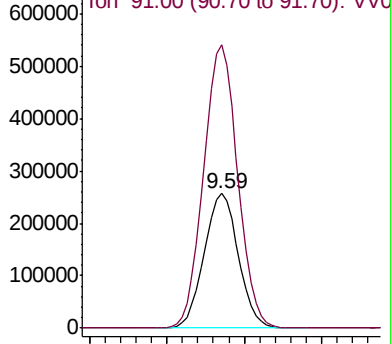
106 100

91 210.4 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 96.881 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012159.D

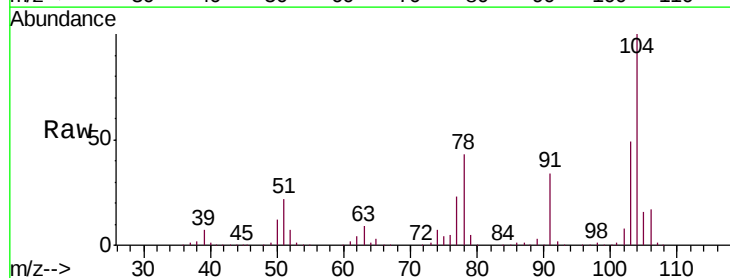
Acq: 09 Aug 2019 18:20

Tgt Ion:104 Resp: 669804

Ion Ratio Lower Upper

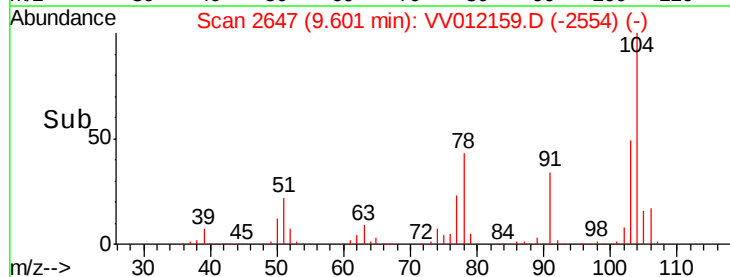
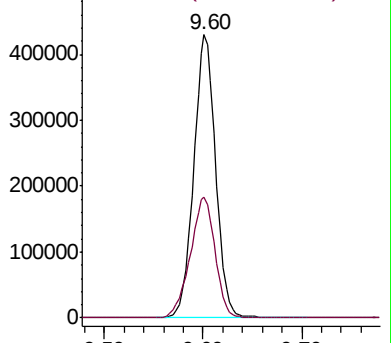
104 100

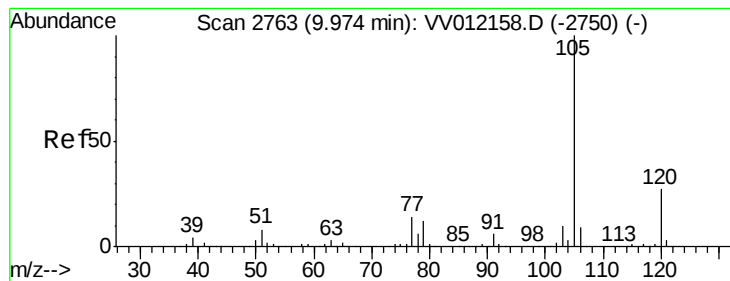
78 42.8 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 97.515 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

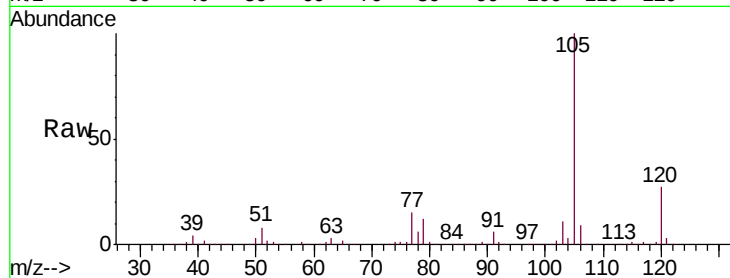
Tgt Ion:105 Resp: 1042173

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

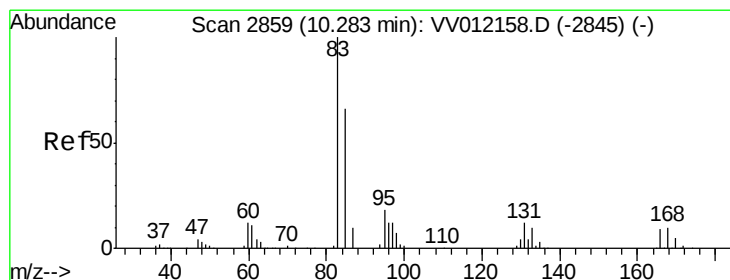
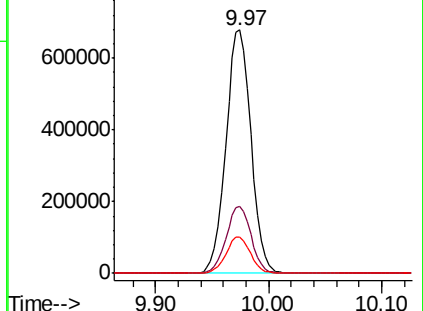
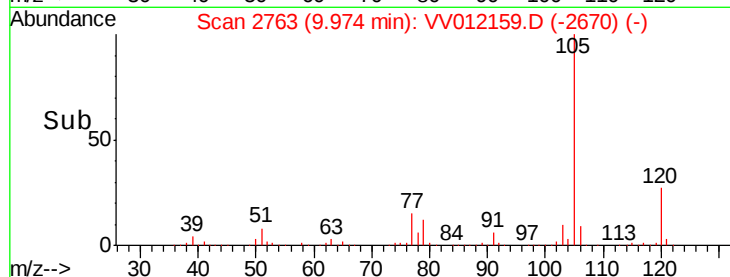
77 14.5 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 89.249 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

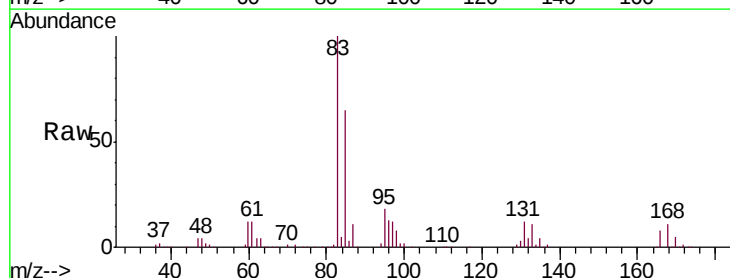
Tgt Ion: 83 Resp: 327836

Ion Ratio Lower Upper

83 100

85 64.6 46.3 85.9

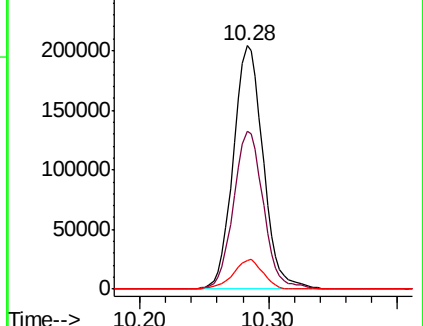
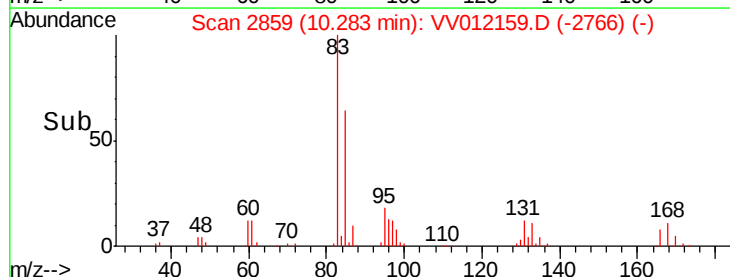
131 11.9 9.8 14.6

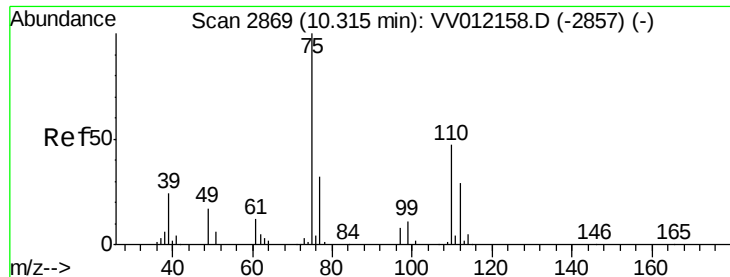


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 91.586 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

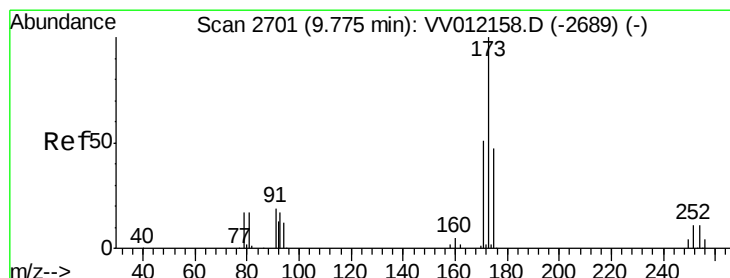
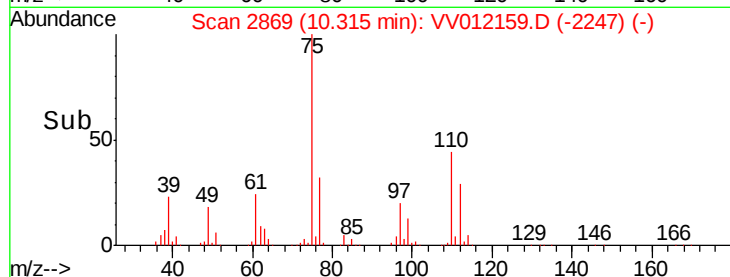
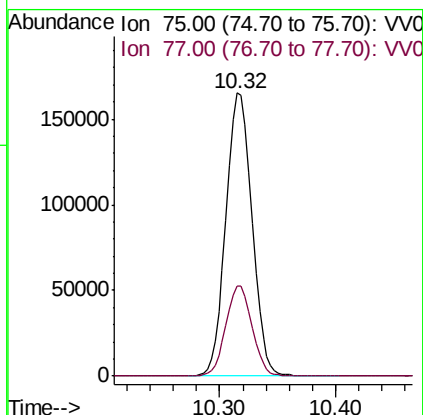
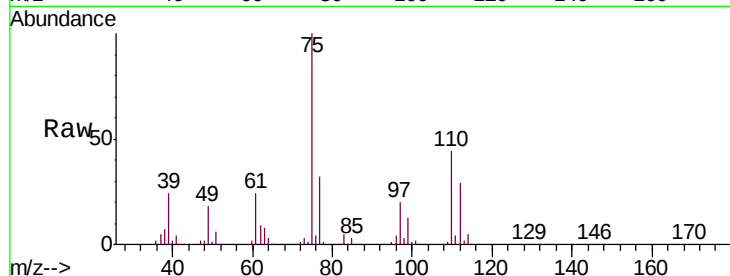
VSTD10061

Tgt Ion: 75 Resp: 257069

Ion Ratio Lower Upper

75 100

77 31.9 26.3 39.5



#61

Bromoform

Concen: 121.614 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

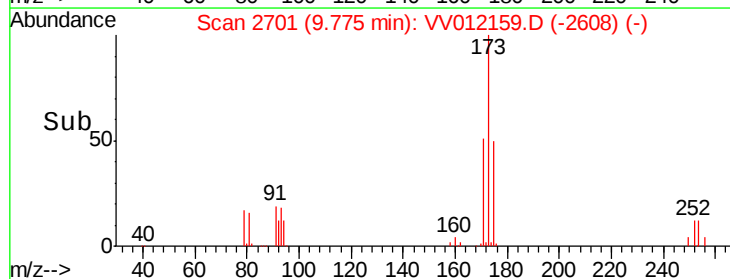
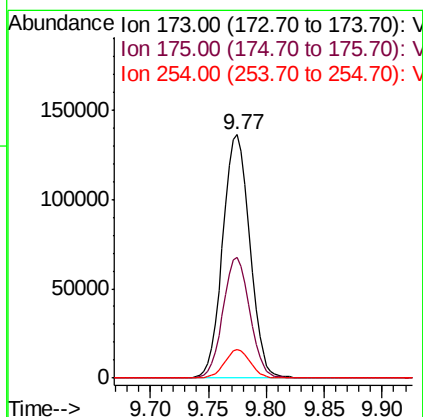
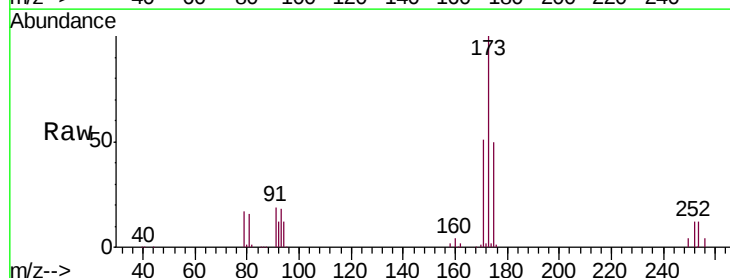
Tgt Ion: 173 Resp: 220391

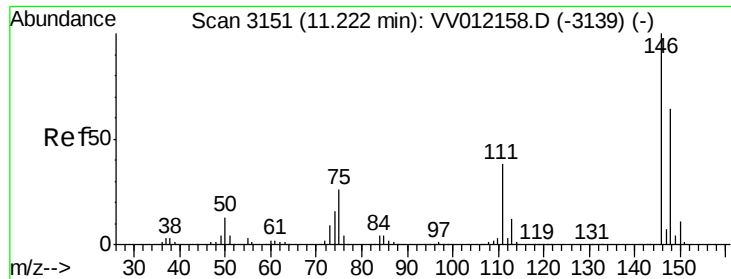
Ion Ratio Lower Upper

173 100

175 49.0 38.1 57.1

254 11.1 8.5 12.7

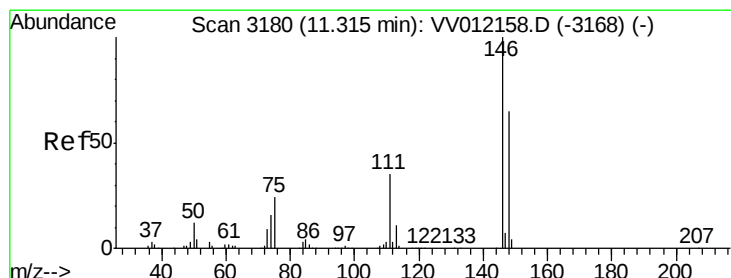
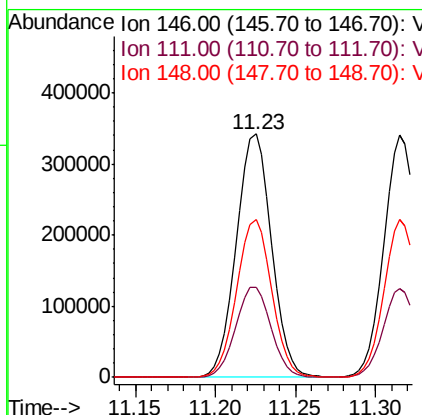
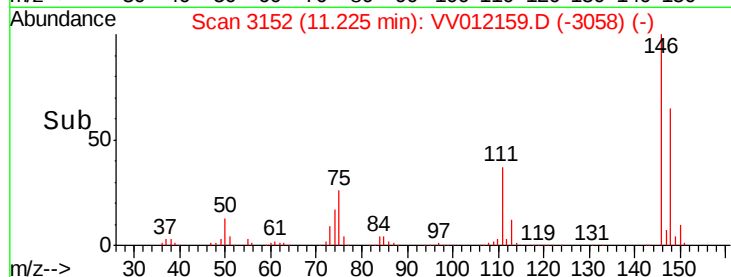
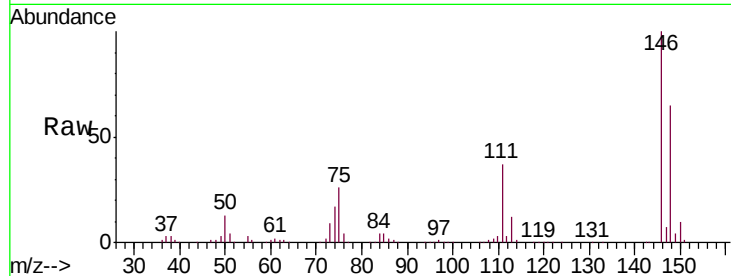




#62
 1,3-Dichlorobenzene
 Concen: 97.746 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

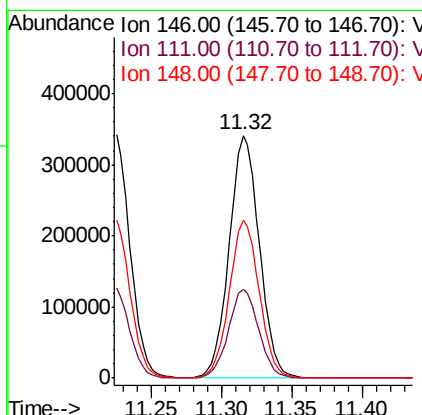
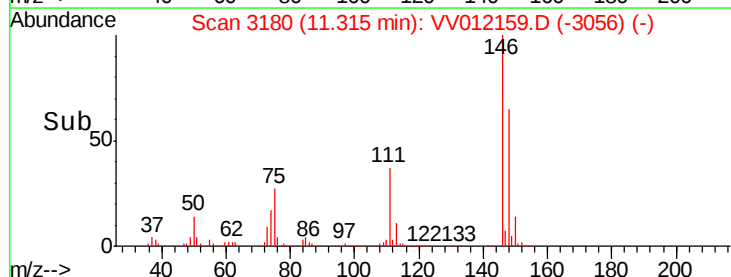
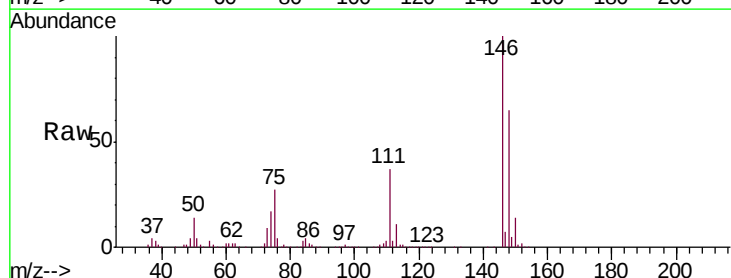
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

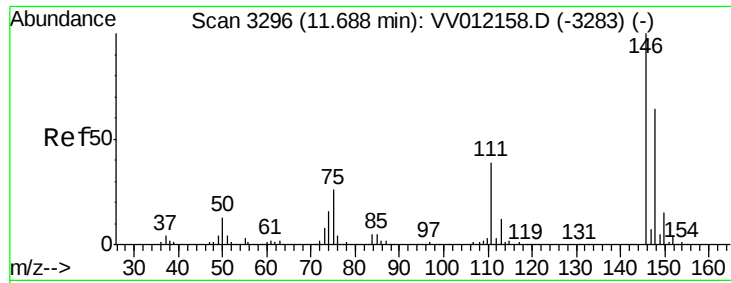
Tgt Ion:146 Resp: 512581
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.3 48.9
 148 64.7 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 93.945 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion:146 Resp: 510069
 Ion Ratio Lower Upper
 146 100
 111 36.8 24.8 46.1
 148 64.9 45.6 84.6

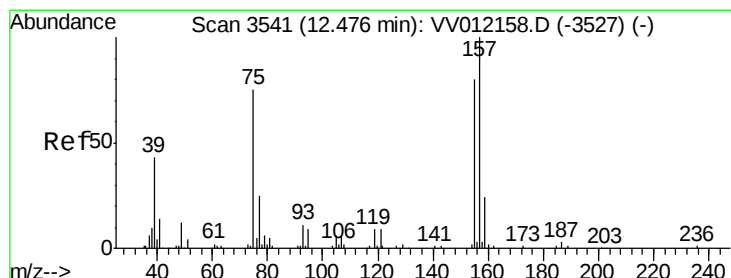
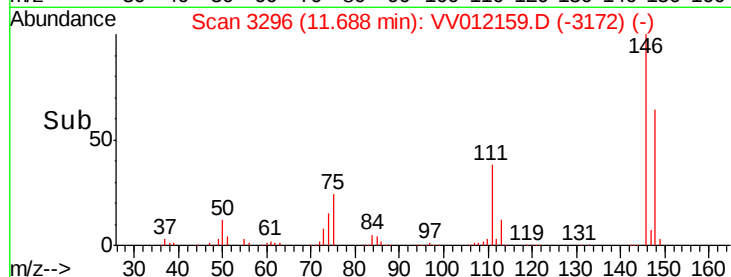
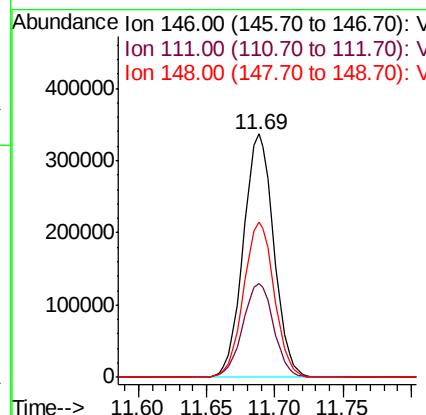
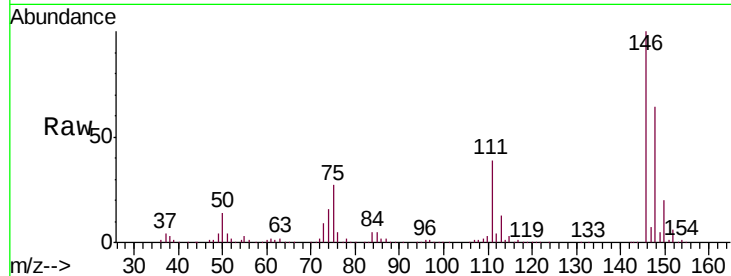




#65
 1,2-Dichlorobenzene
 Concen: 94.970 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

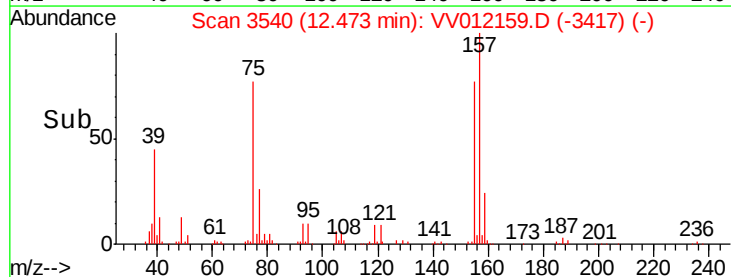
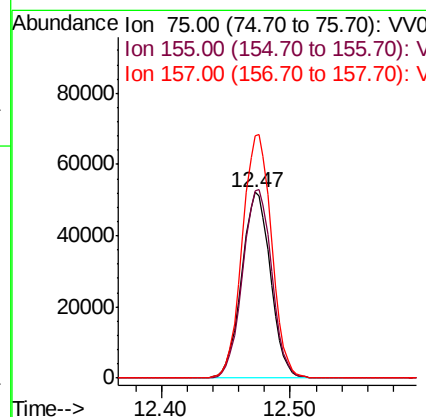
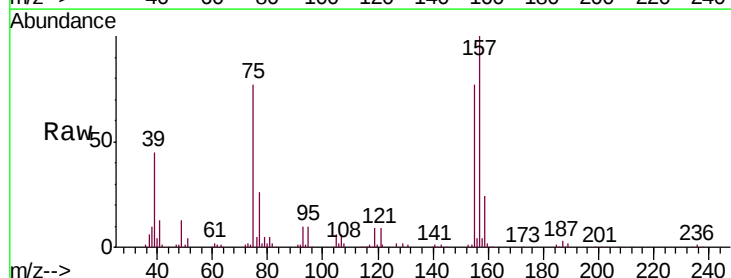
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

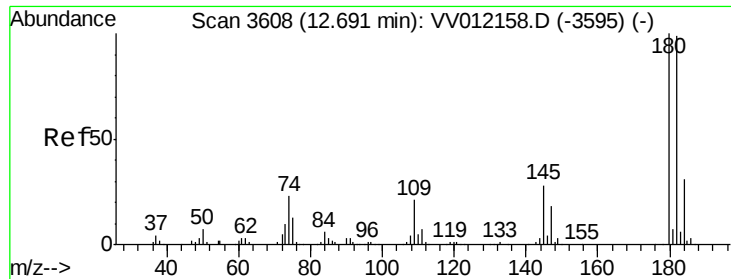
Tgt Ion: 146 Resp: 522108
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.2 46.8
 148 63.9 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 112.159 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion: 75 Resp: 81325
 Ion Ratio Lower Upper
 75 100
 155 100.7 85.7 128.5
 157 130.1 106.5 159.7

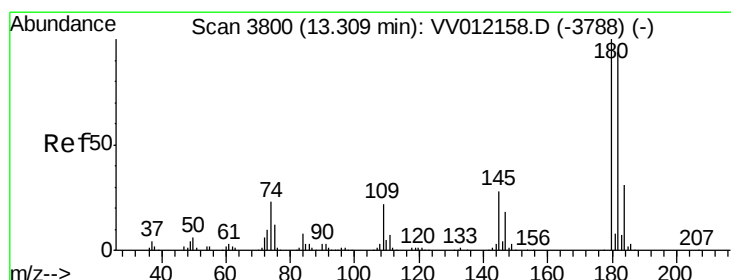
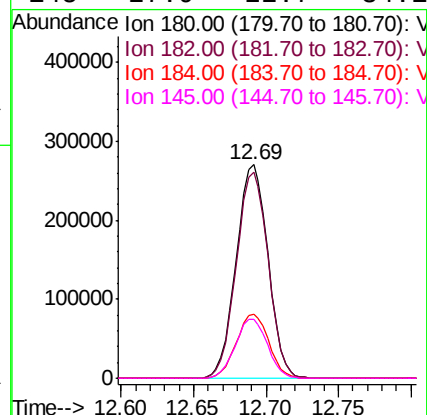
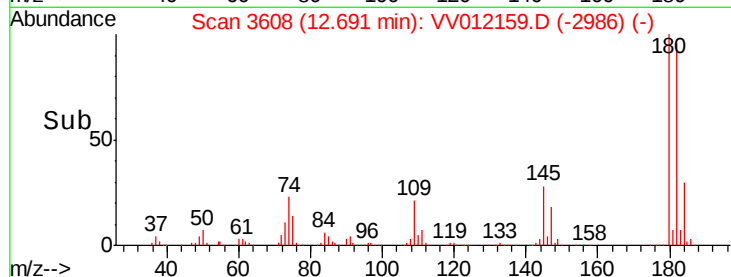
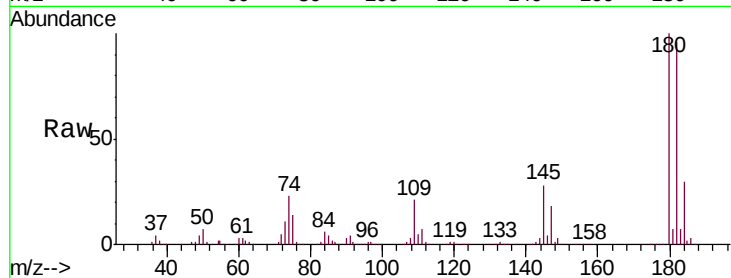




#67
 1,3,5-Trichlorobenzene
 Concen: 113.352 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

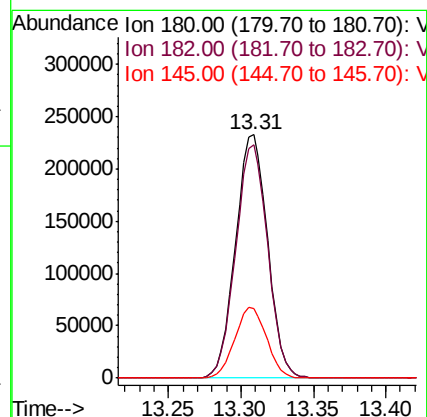
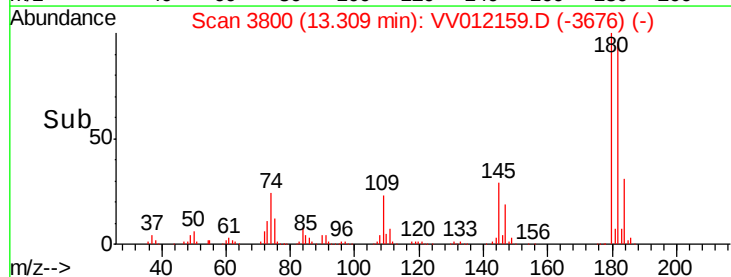
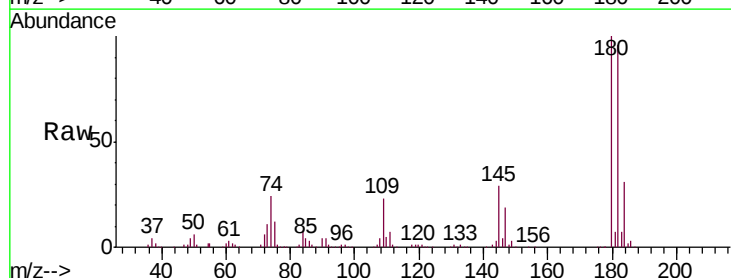
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

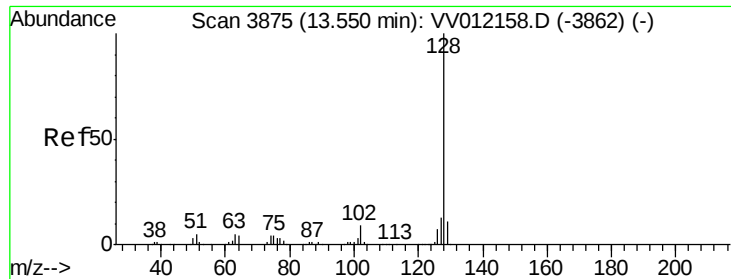
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.8	116.6
184	30.5	24.9	37.3
145	27.9	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 121.253 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012159.D
 Acq: 09 Aug 2019 18:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.3	112.9
145	28.8	23.0	34.4





#69

Naphthalene

Concen: 136.403 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

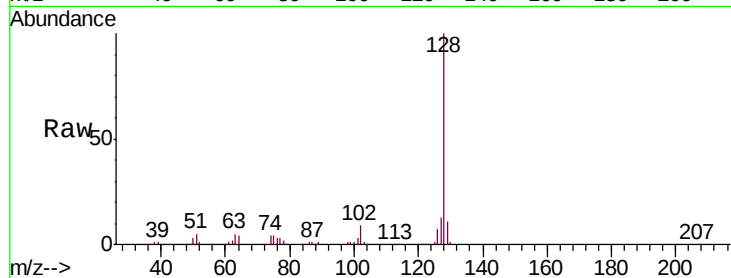
Tgt Ion:128 Resp: 1070506

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

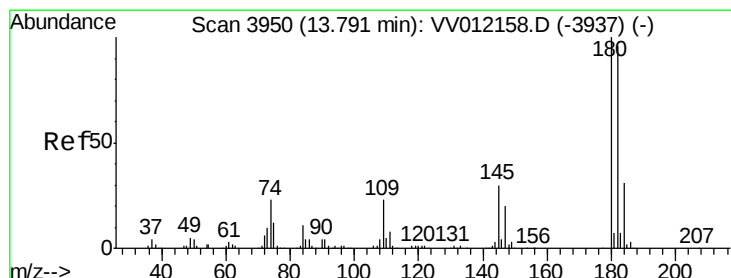
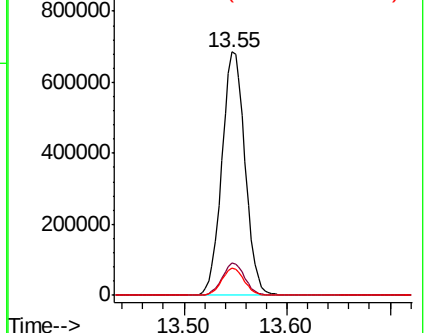
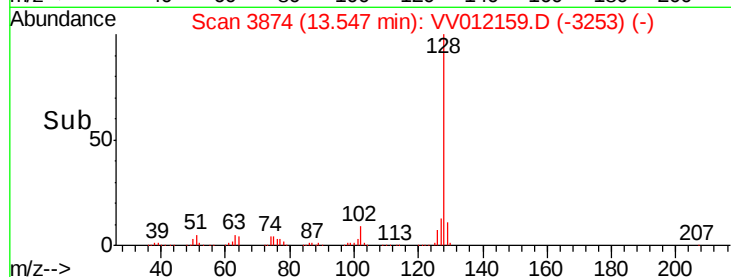
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 126.439 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012159.D

Acq: 09 Aug 2019 18:20

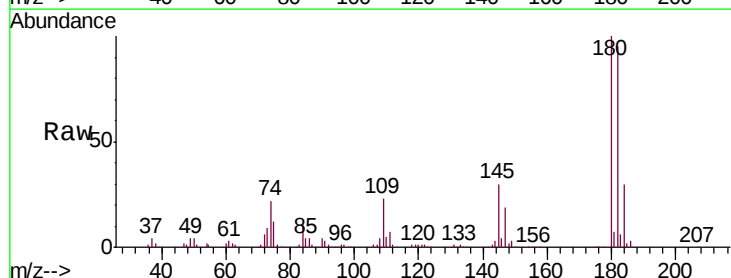
Tgt Ion:180 Resp: 377064

Ion Ratio Lower Upper

180 100

182 94.5 77.3 115.9

145 30.2 24.9 37.3



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

