

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017961.D
 Acq On : 13 Aug 2020 10:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05067

Quant Time: Aug 14 03:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 14:37:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	261402	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	261656	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	143671	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82644	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.88%
7) Chloroethane-d5	1.58	69	73816	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.12	63	179159	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
21) 2-Butanone-d5	3.91	46	133920	102.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.52%
24) Chloroform-d	4.37	84	183538	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.05	65	122045	51.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.50%
32) Benzene-d6	5.07	84	350384	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.18%
36) 1,2-Dichloropropane-d6	6.09	67	115108	48.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.66%
41) Toluene-d8	7.34	98	329896	50.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.74%
43) trans-1,3-Dichloropropene-	7.64	79	57304	53.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.18%
47) 2-Hexanone-d5	8.11	63	78700	104.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.03%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	158009	51.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	137788	48.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97165	48.146	ug/L 99
3) Chloromethane	1.25	50	100033	42.670	ug/L 100
5) Vinyl chloride	1.32	62	111954	48.200	ug/L 96
6) Bromomethane	1.53	94	51303	36.956	ug/L 100
8) Chloroethane	1.60	64	72368	48.815	ug/L 99
9) Trichlorofluoromethane	1.76	101	161796	48.765	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93687	50.571	ug/L 97
12) 1,1-Dichloroethene	2.13	96	88220	50.312	ug/L 94
13) Acetone	2.19	43	143083	106.046	ug/L 98
14) Carbon disulfide	2.31	76	250785	51.964	ug/L 99
15) Methyl Acetate	2.45	43	113060	51.924	ug/L 99
16) Methylene chloride	2.52	84	105582	47.263	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	90535	50.229	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	315594	52.942	ug/L 100
19) 1,1-Dichloroethane	3.21	63	184421	50.884	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	104501	52.758	ug/L 95
22) 2-Butanone	3.99	43	168456	111.292	ug/L 97

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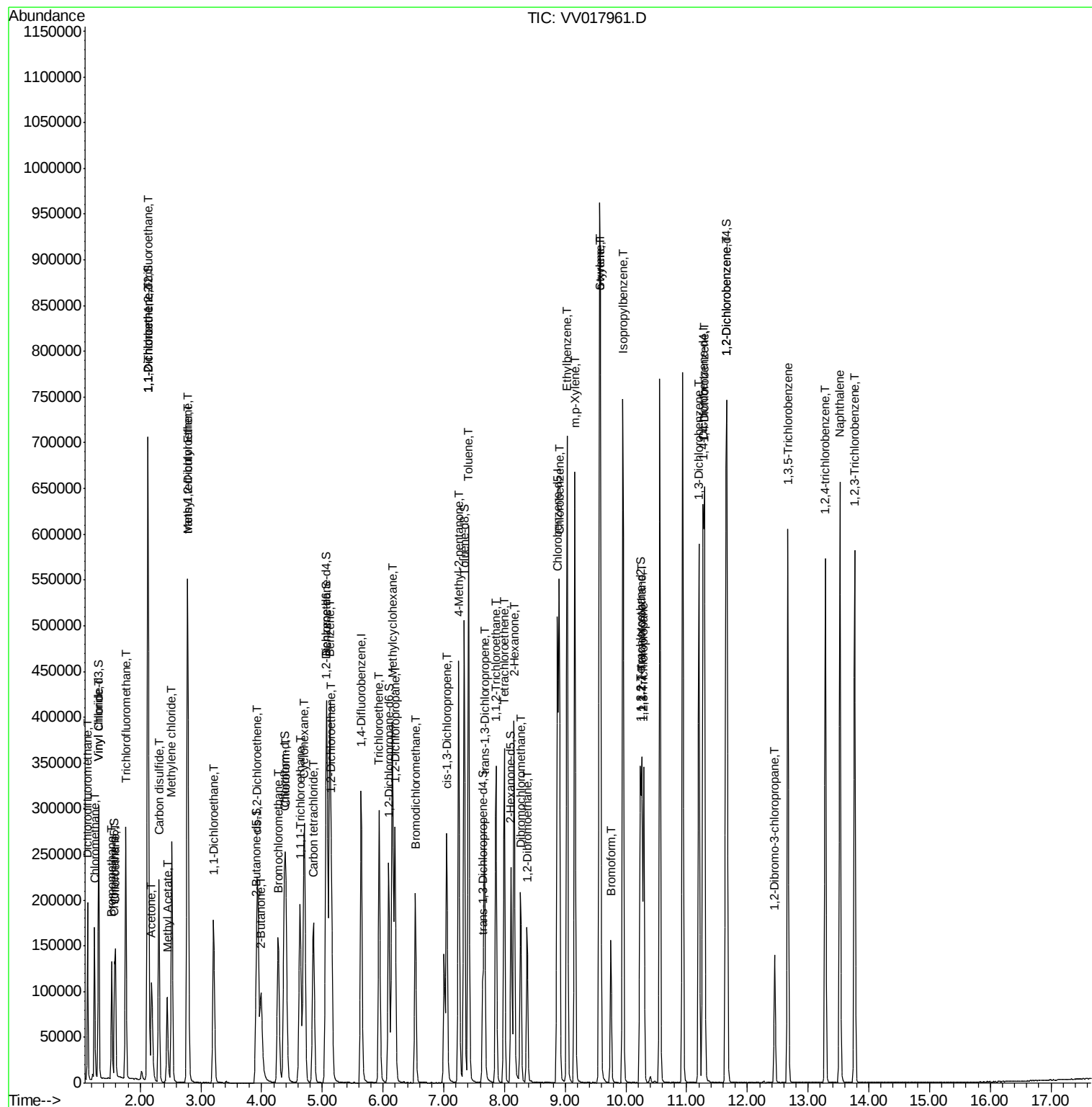
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55135	53.284	ug/L	98
25) Chloroform	4.40	83	187878	50.823	ug/L	98
27) 1,2-Dichloroethane	5.15	62	152806	51.933	ug/L	98
29) Cyclohexane	4.70	56	158492	50.188	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	158896	49.555	ug/L	99
31) Carbon tetrachloride	4.85	117	133929	50.174	ug/L	99
33) Benzene	5.12	78	398932	49.280	ug/L	100
34) Trichloroethene	5.94	95	104631	48.898	ug/L	98
35) Methylcyclohexane	6.15	83	161653	50.805	ug/L	100
37) 1,2-Dichloropropane	6.20	63	109737	49.707	ug/L	100
38) Bromodichloromethane	6.53	83	138384	50.465	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	162630	51.965	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	300508	104.127	ug/L	100
42) Toluene	7.41	91	428185	50.689	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	158130	53.253	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	104707	51.215	ug/L	98
46) Tetrachloroethene	8.00	164	81752	52.094	ug/L	98
48) 2-Hexanone	8.16	43	241000	103.557	ug/L	100
49) Dibromochloromethane	8.27	129	104474	52.353	ug/L	99
50) 1,2-Dibromoethane	8.37	107	109669	51.846	ug/L	98
51) Chlorobenzene	8.90	112	276755	50.941	ug/L	99
52) Ethylbenzene	9.03	91	473405	51.399	ug/L	100
53) m,p-Xylene	9.16	106	179599	53.017	ug/L	99
54) o-xylene	9.56	106	173905	51.948	ug/L	97
55) Styrene	9.58	104	310698	54.195	ug/L	100
56) Isopropylbenzene	9.95	105	462866	52.411	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	164527	51.679	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	137404	50.396	ug/L	100
61) Bromoform	9.75	173	67932	49.971	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	229540	50.242	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	237091	50.517	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	232868	49.521	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33764	48.733	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	185040	53.317	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	169638	55.595	ug/L	99
69) Naphthalene	13.52	128	479357	56.997	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	175812	56.658	ug/L	99

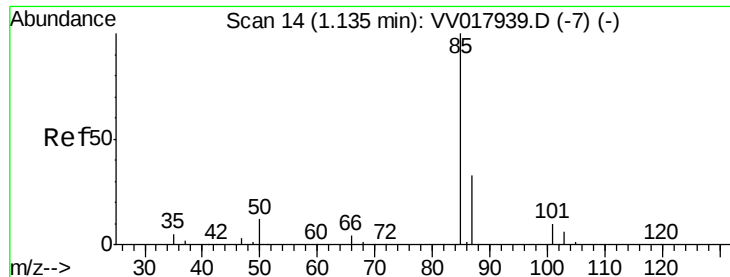
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.146 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

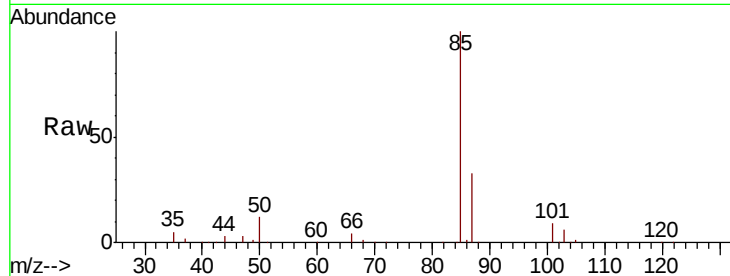
VSTD05067

Tot Ion: 85 Resp: 97165

Ion Ratio Lower Upper

85 100

87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017939.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017939.D (-7) (-)

1.14

120000

100000

80000

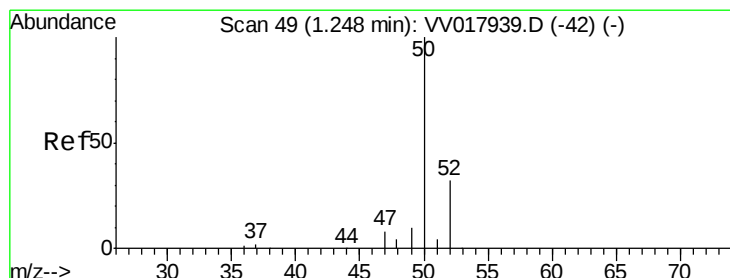
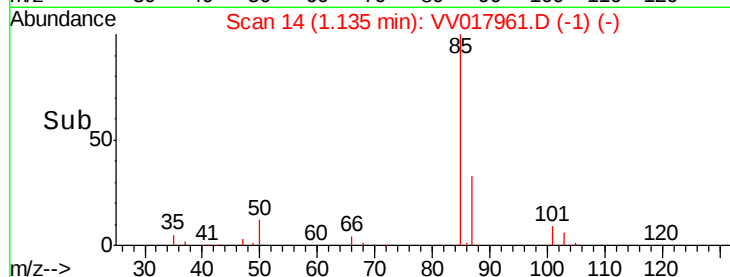
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 42.670 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017961.D

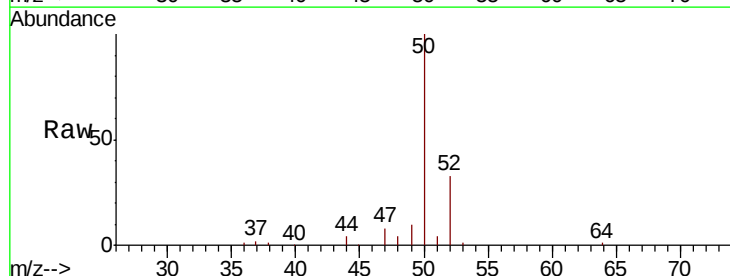
Acq: 13 Aug 2020 10:58

Tgt Ion: 50 Resp: 100033

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV017939.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017939.D (-42) (-)

1.25

120000

100000

80000

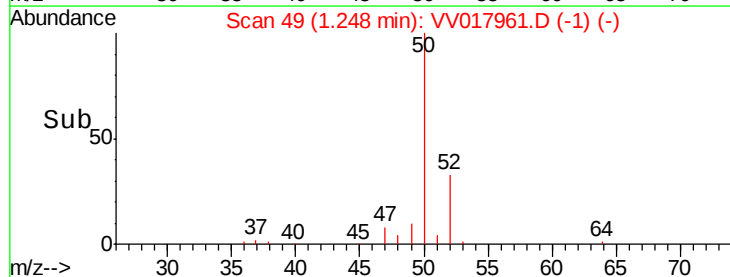
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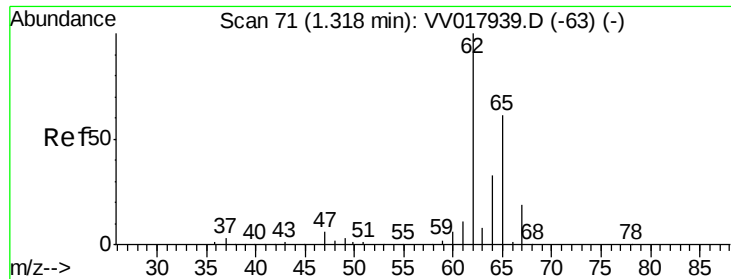
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.200 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

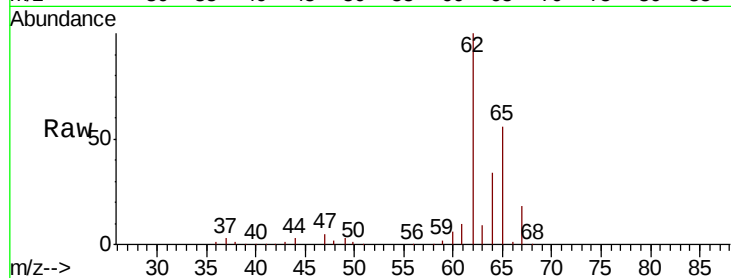
VSTD05067

Tot Ion: 62 Resp: 111954

Ion Ratio Lower Upper

62 100

64 34.3 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

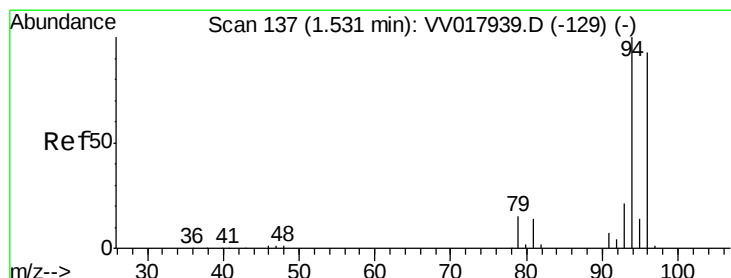
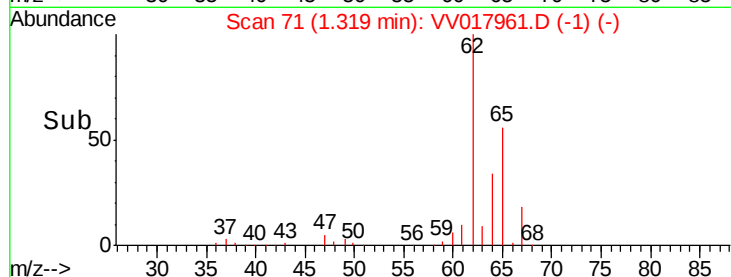
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 36.956 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017961.D

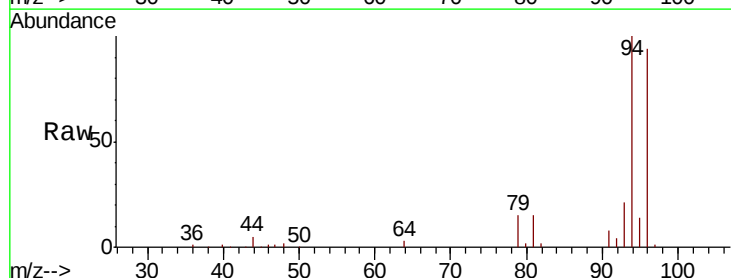
Acq: 13 Aug 2020 10:58

Tgt Ion: 94 Resp: 51303

Ion Ratio Lower Upper

94 100

96 93.5 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

50000

40000

30000

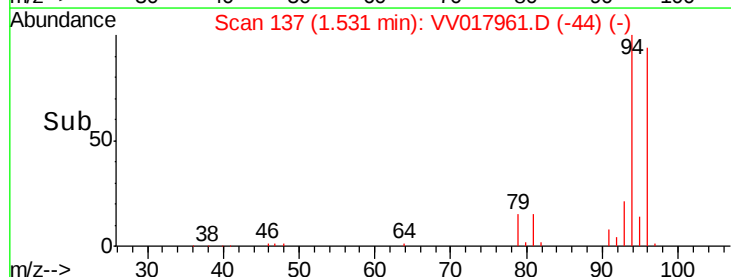
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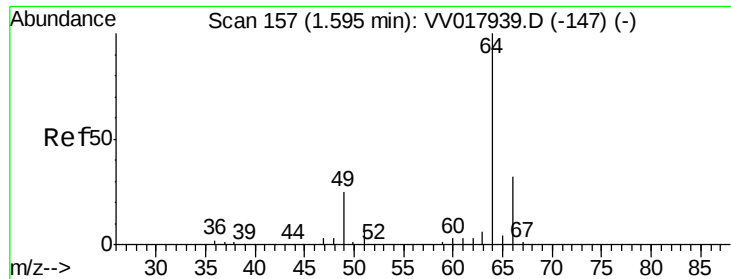
10000

0

1.50 1.55 1.60

Time-->

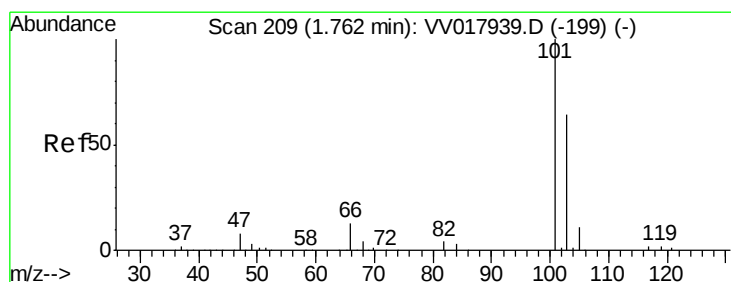
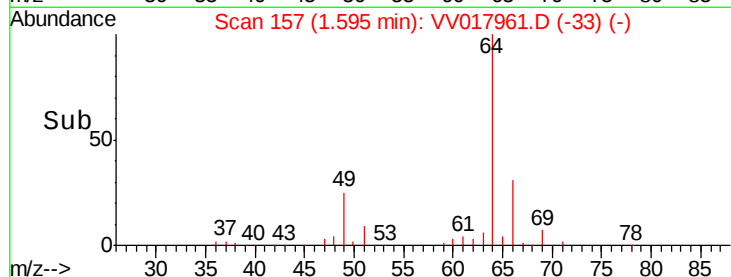
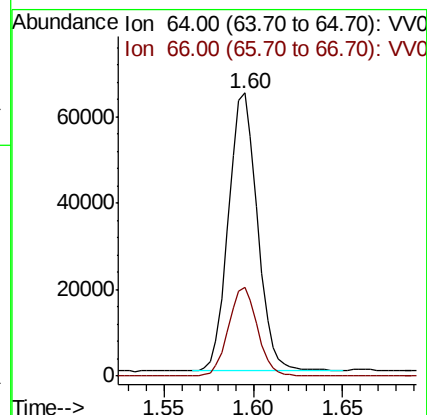
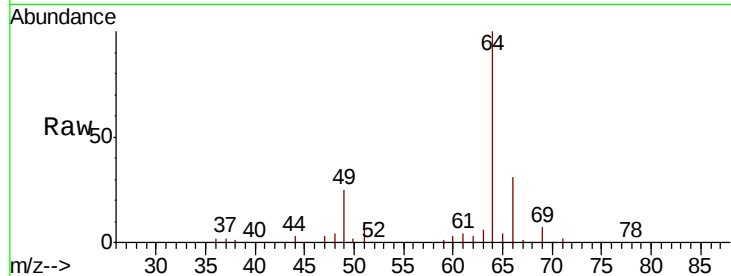




#8
Chloroethane
Concen: 48.815 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

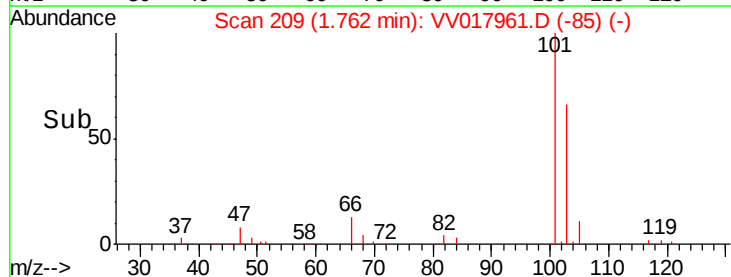
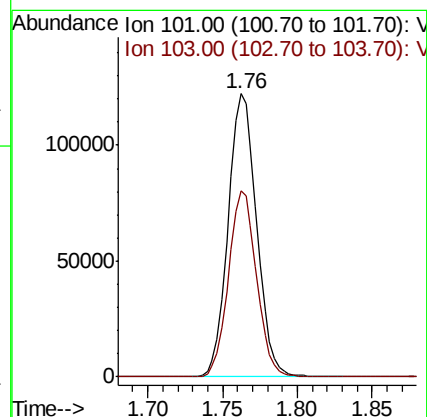
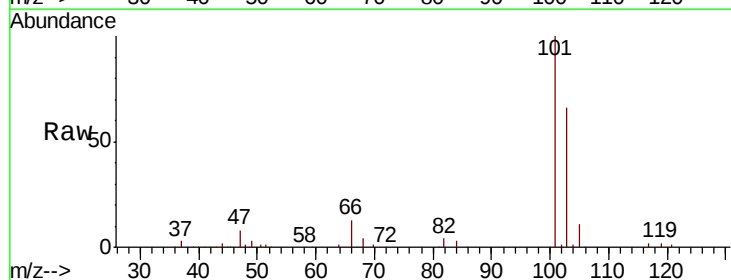
Instrument :
MSVOA_V
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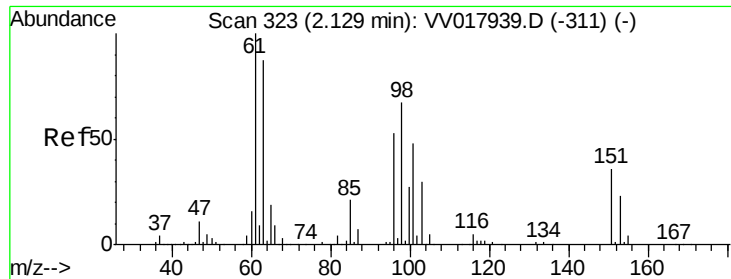
Tot Ion: 64 Resp: 72368
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 48.765 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Tgt Ion:101 Resp: 161796
Ion Ratio Lower Upper
101 100
103 64.8 51.5 77.3





#10

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

Concen: 50.571 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

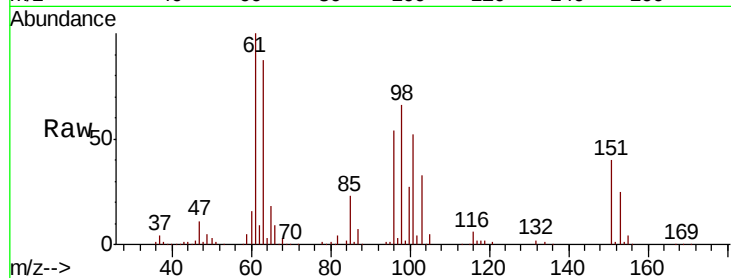
Tot Ion:101 Resp: 93687

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

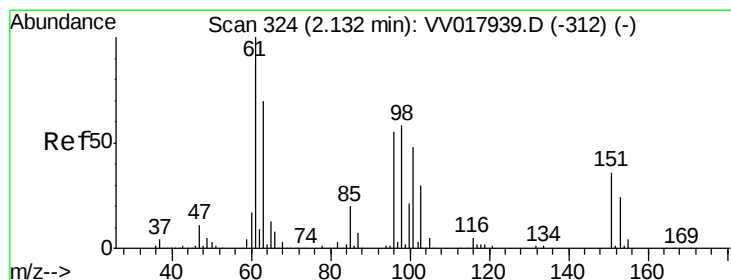
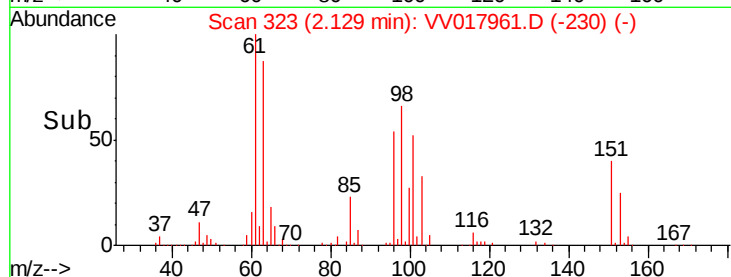
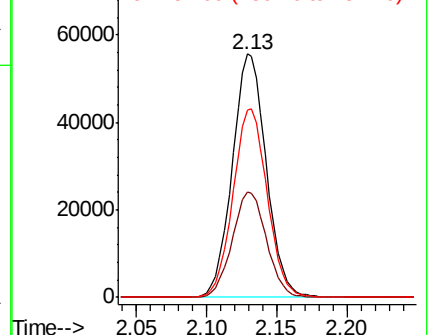
151 77.9 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.312 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

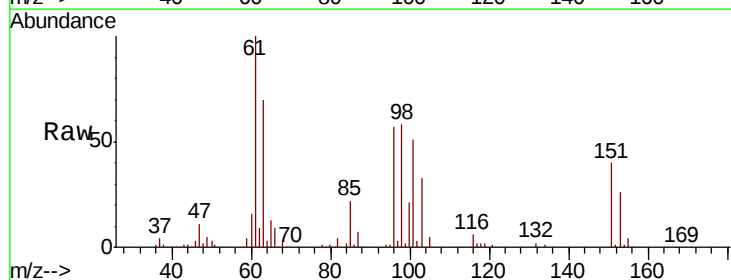
Tgt Ion: 96 Resp: 88220

Ion Ratio Lower Upper

96 100

61 176.4 127.1 236.0

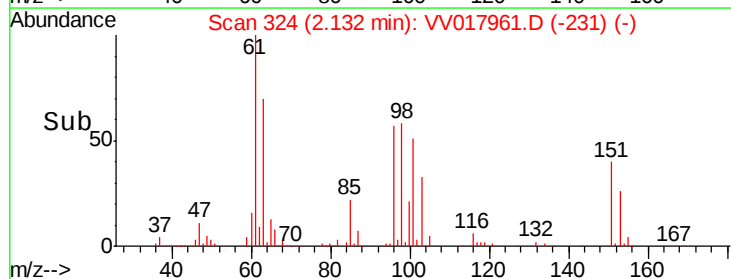
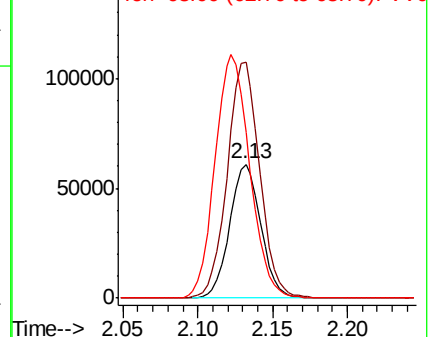
63 124.0 95.2 176.8

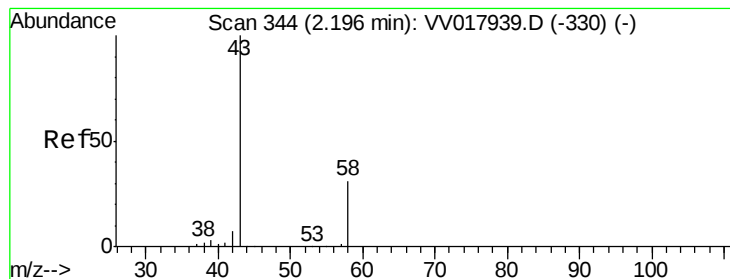


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 106.046 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

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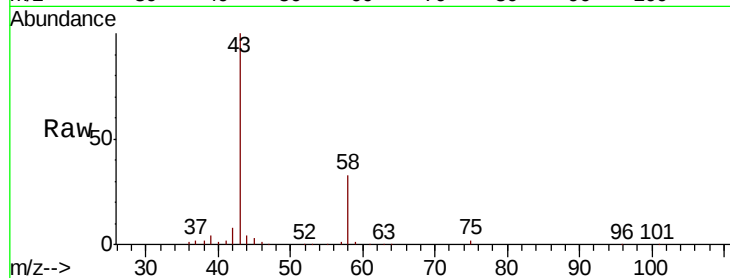
VSTD05067

Tot Ion: 43 Resp: 143083

Ion Ratio Lower Upper

43 100

58 32.9 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV017939.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV017939.D (-330) (-)

2.19

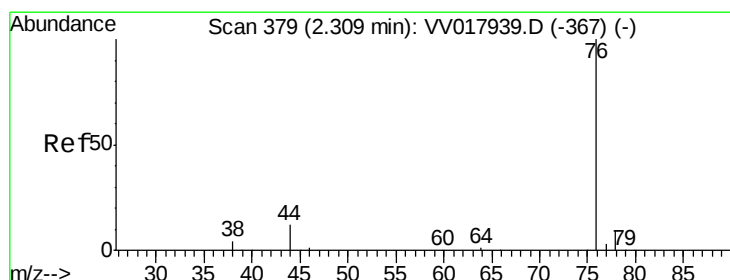
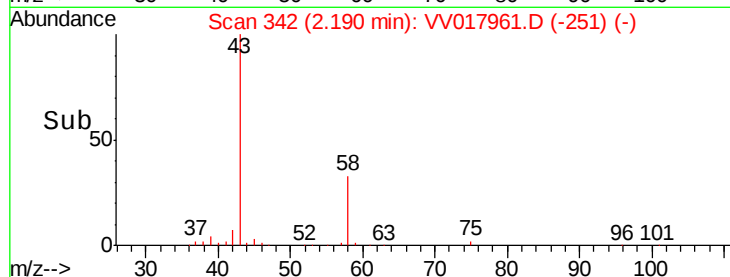
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 51.964 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017961.D

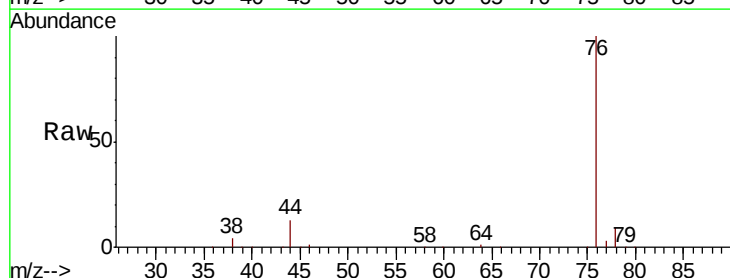
Acq: 13 Aug 2020 10:58

Tgt Ion: 76 Resp: 250785

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV017939.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017939.D (-367) (-)

200000

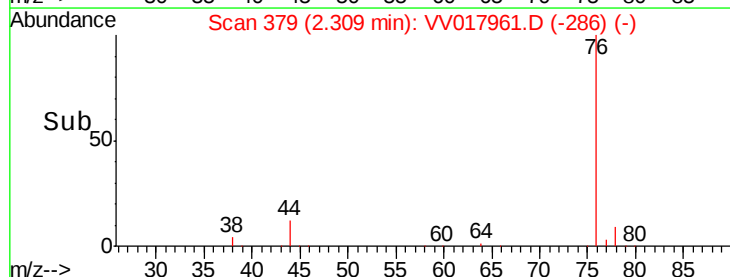
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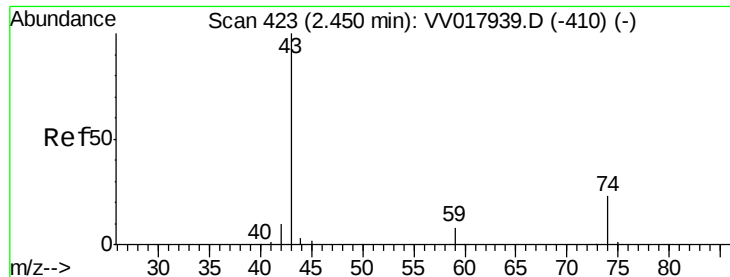
100000

50000

0

Time-->





#15

Methvl Acetate

Concen: 51.924 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

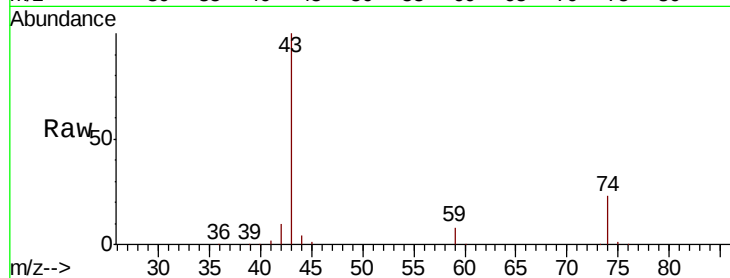
VSTD05067

Tot Ion: 43 Resp: 113060

Ion Ratio Lower Upper

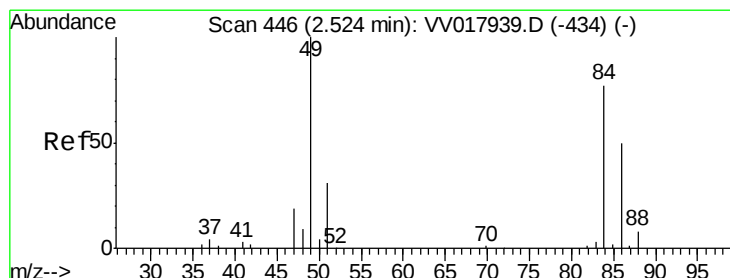
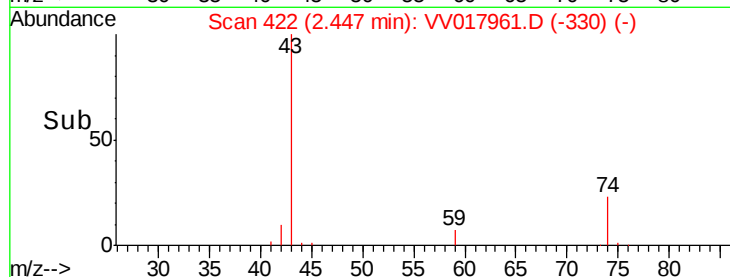
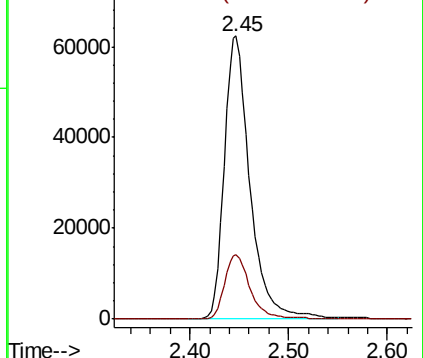
43 100

74 22.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 47.263 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

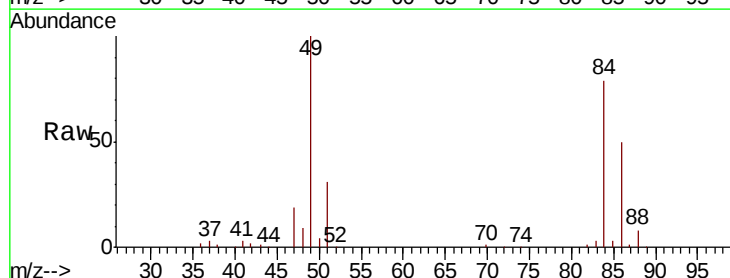
Tgt Ion: 84 Resp: 105582

Ion Ratio Lower Upper

84 100

86 63.9 46.3 85.9

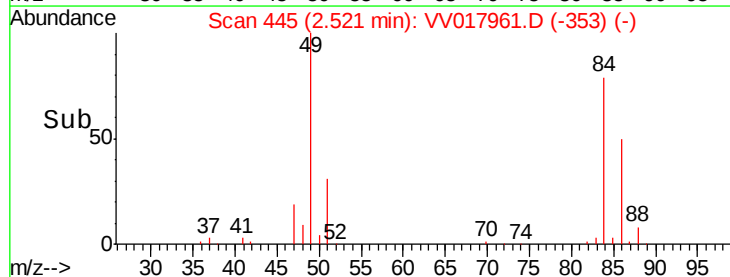
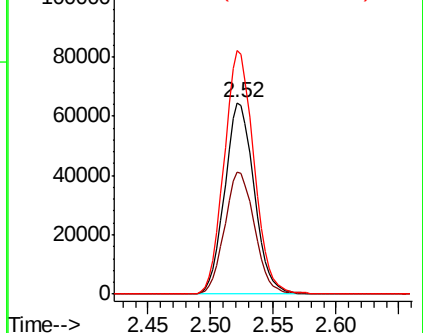
49 127.1 89.7 166.5

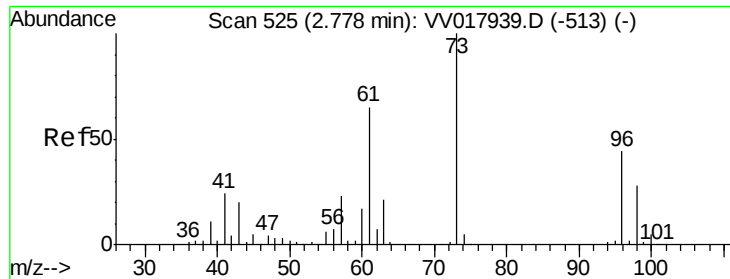


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

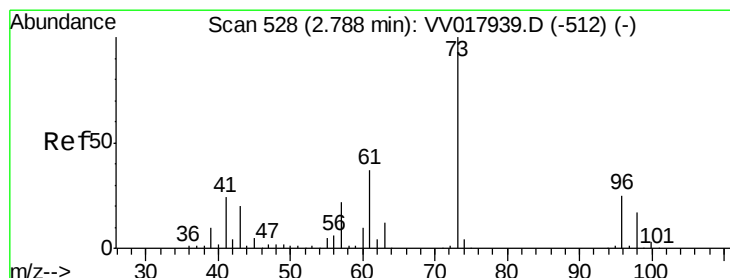
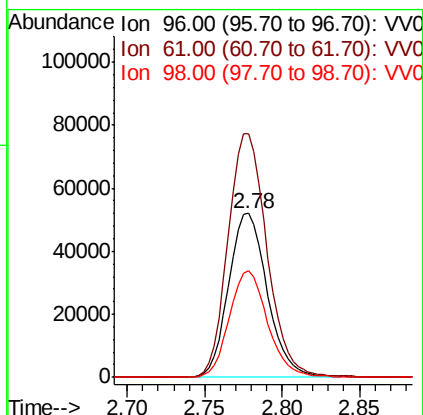
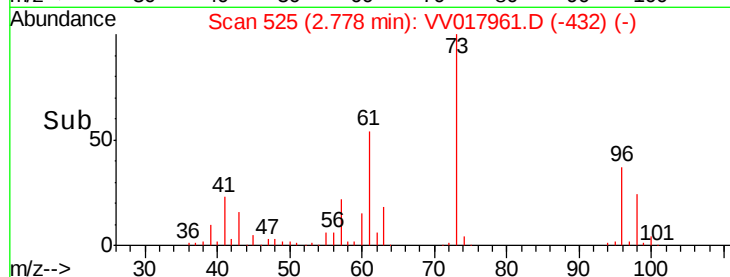
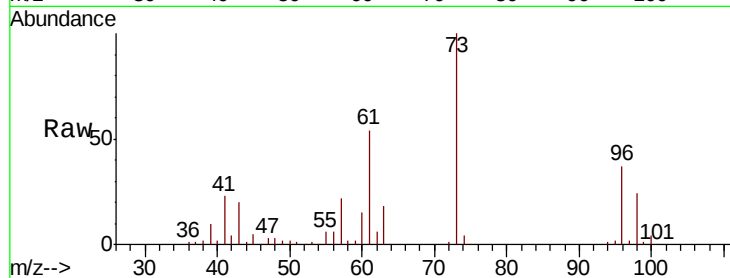




#17
trans-1,2-Dichloroethene
Concen: 50.229 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

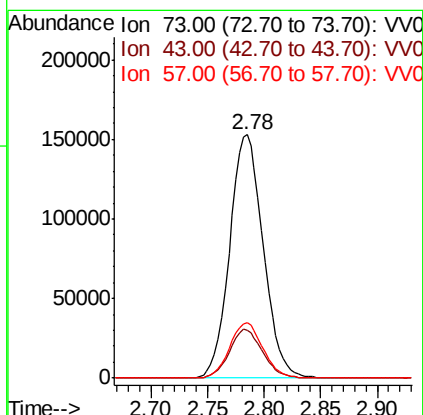
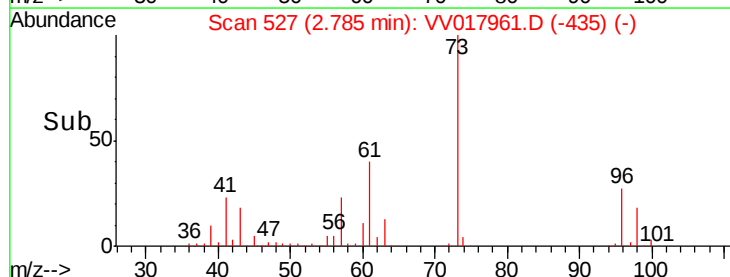
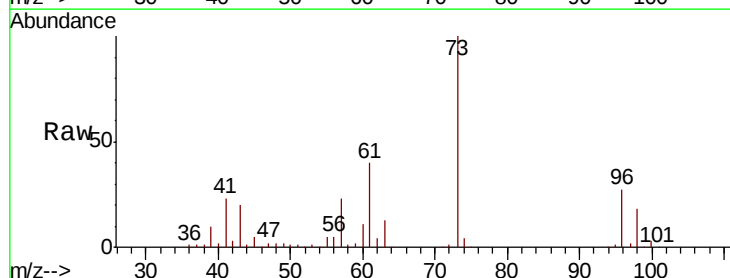
Instrument :
MSVOA_V
ClientSampleId :
VSTD05067

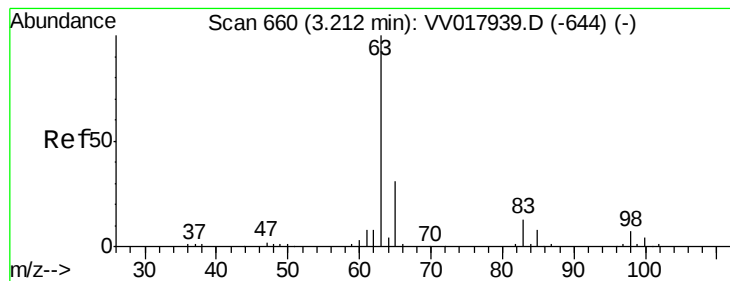
Tot Ion: 96 Resp: 90535
Ion Ratio Lower Upper
96 100
61 148.6 102.4 190.2
98 64.9 44.4 82.5



#18
Methyl tert-butyl Ether
Concen: 52.942 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Tgt Ion: 73 Resp: 315594
Ion Ratio Lower Upper
73 100
43 19.8 15.9 23.9
57 22.7 18.1 27.1





#19

1,1-Dichloroethane

Concen: 50.884 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

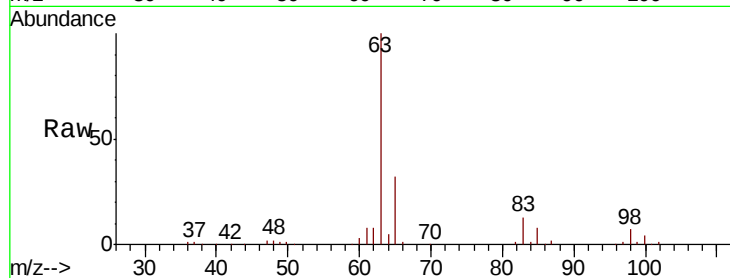
Tot Ion: 63 Resp: 184421

Ion Ratio Lower Upper

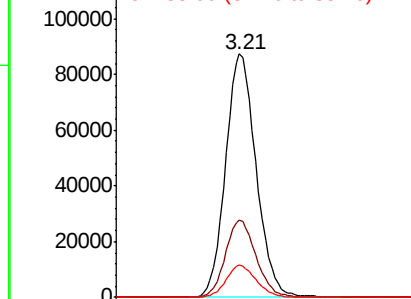
63 100

65 31.7 22.5 41.7

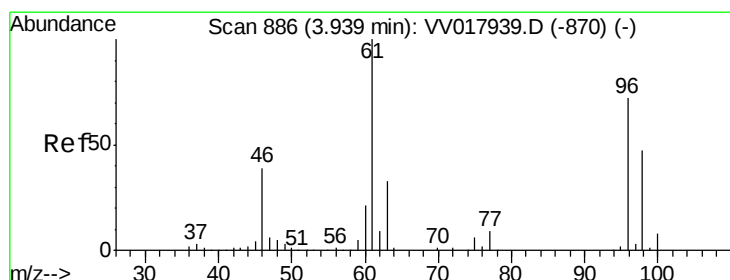
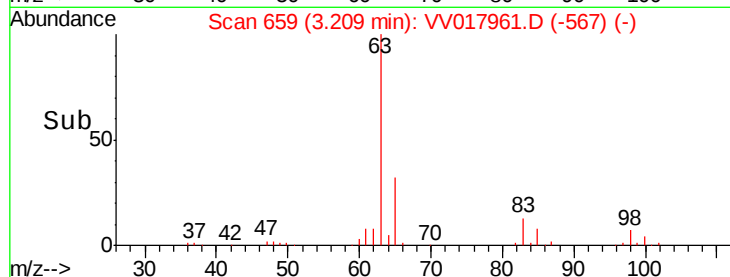
83 13.1 9.2 17.2



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



Time-->



#20

cis-1,2-Dichloroethene

Concen: 52.758 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

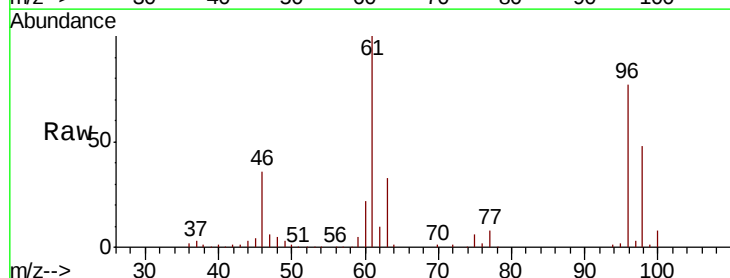
Tgt Ion: 96 Resp: 104501

Ion Ratio Lower Upper

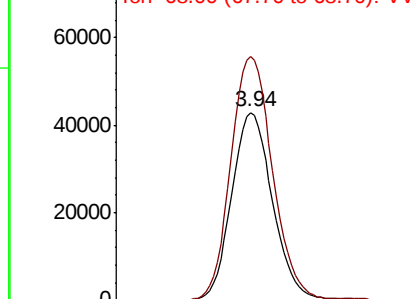
96 100

61 130.0 95.0 176.4

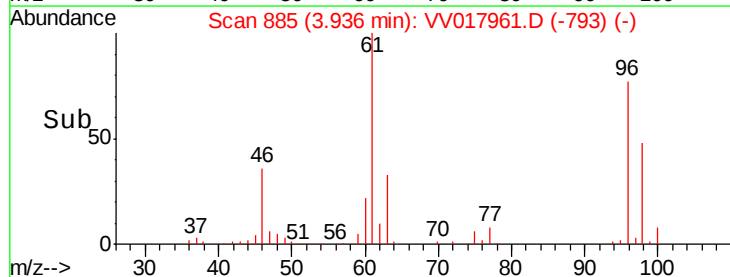
68 0.0 0.0 0.0

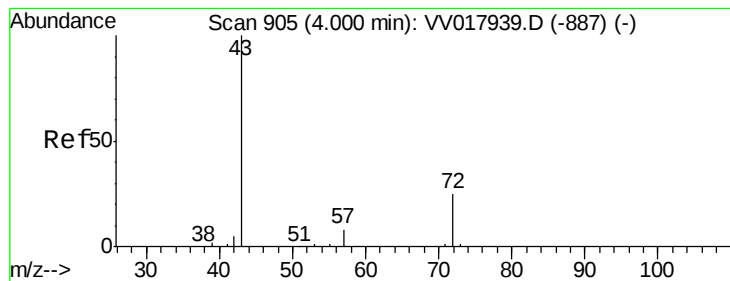


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



Time-->





#22

2-Butanone

Concen: 111.292 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

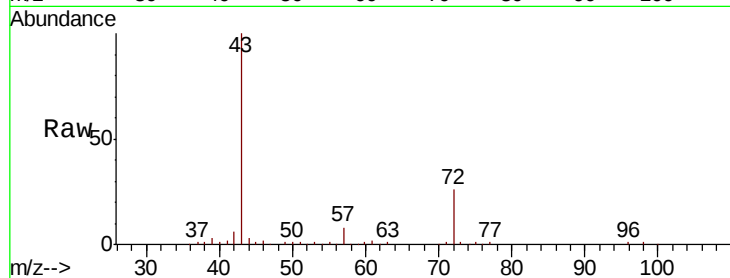
VSTD05067

Tot Ion: 43 Resp: 168456

Ion Ratio Lower Upper

43 100

72 26.6 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017961.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV017961.D (-892) (-)

3.99

60000

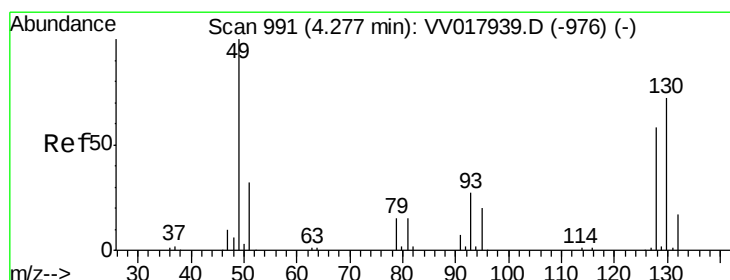
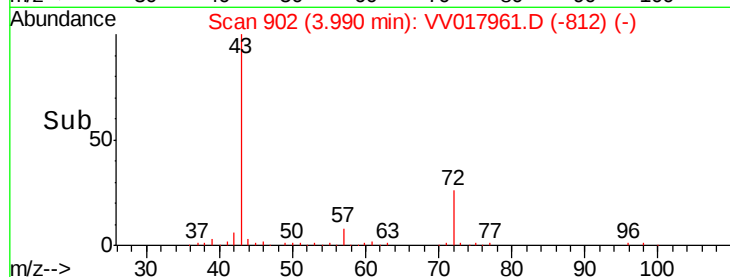
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 53.284 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Tgt Ion:128 Resp: 55135

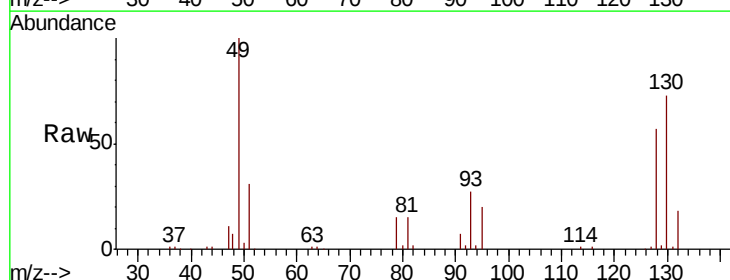
Ion Ratio Lower Upper

128 100

49 176.3 125.6 233.3

130 129.3 89.9 167.0

51 55.5 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV017961.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV017961.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV017961.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV017961.D (-898) (-)

60000

50000

40000

30000

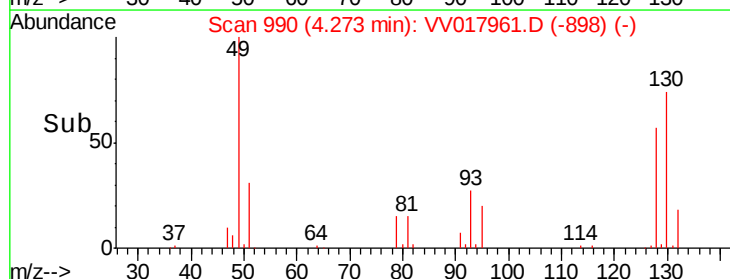
20000

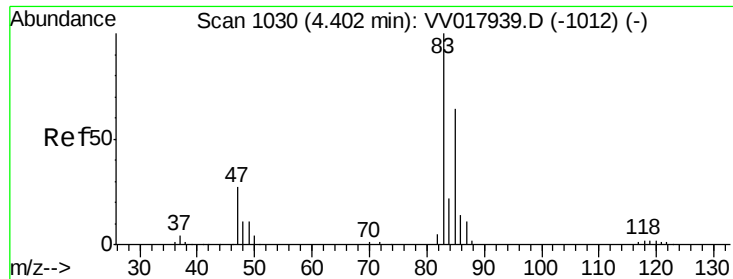
10000

0

Time-->

4.20 4.25 4.30 4.35 4.40

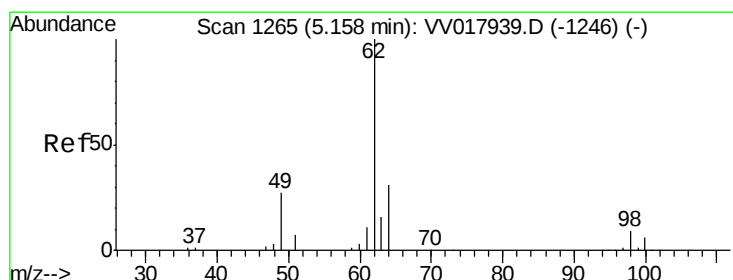
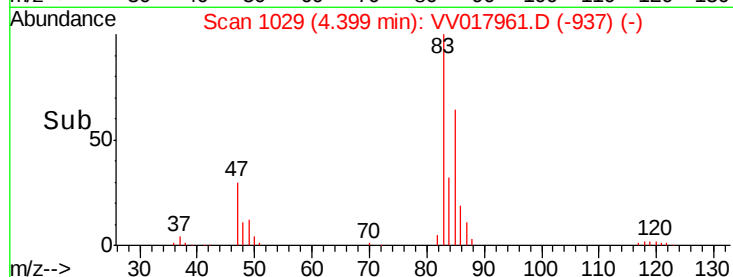
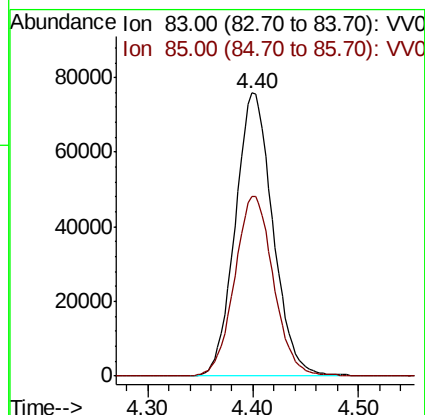
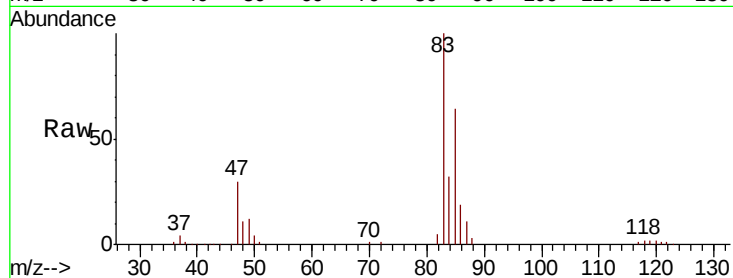




#25
Chloroform
Concen: 50.823 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

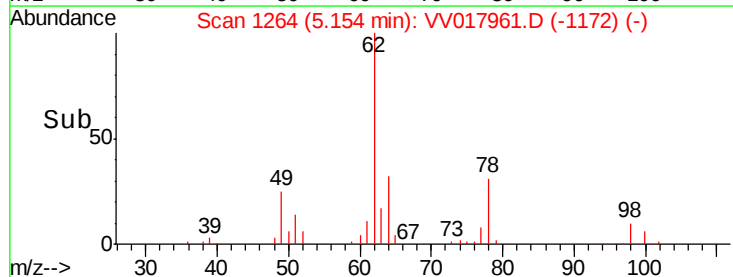
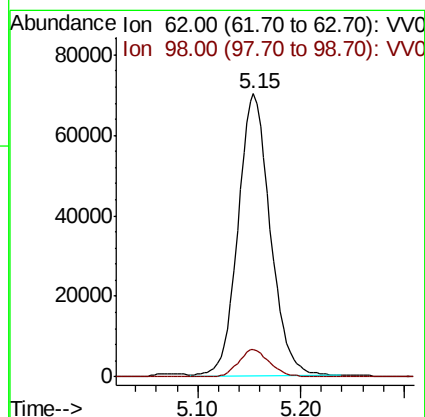
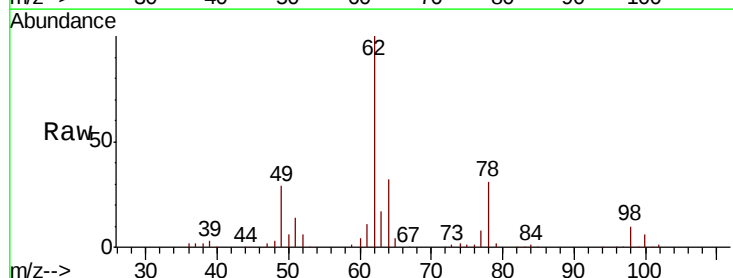
Instrument :
MSVOA_V
ClientSampleId :
VSTD05067

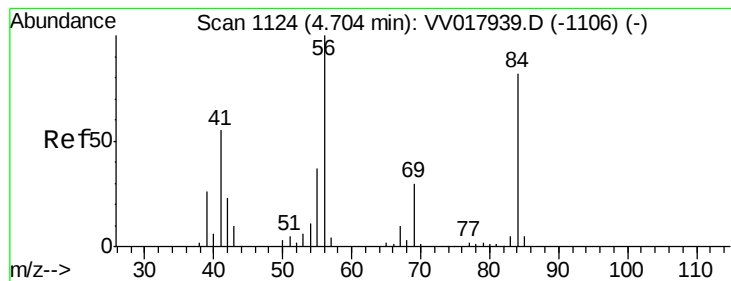
Tot Ion: 83 Resp: 187878
Ion Ratio Lower Upper
83 100
85 63.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 51.933 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Tgt Ion: 62 Resp: 152806
Ion Ratio Lower Upper
62 100
98 9.7 7.1 10.7





#29

Cyclohexane

Concen: 50.188 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

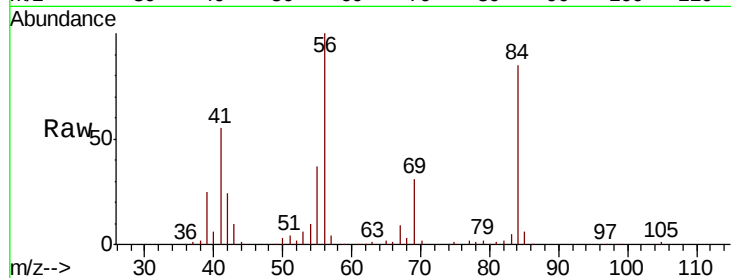
Tot Ion: 56 Resp: 158492

Ion Ratio Lower Upper

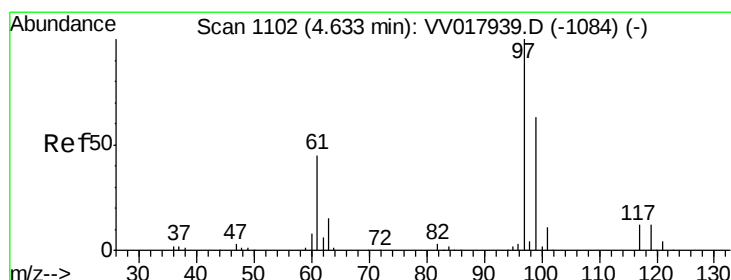
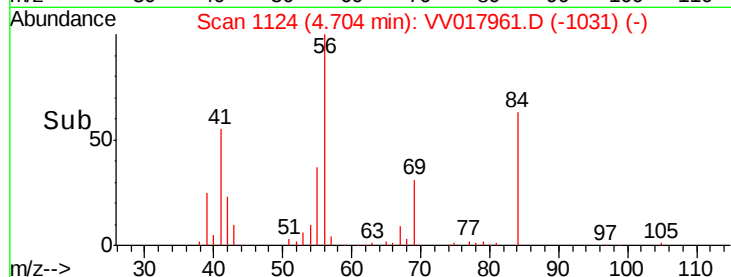
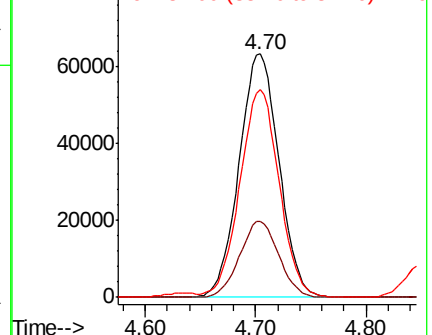
56 100

69 30.5 23.8 35.8

84 84.4 66.8 100.2



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: 49.555 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

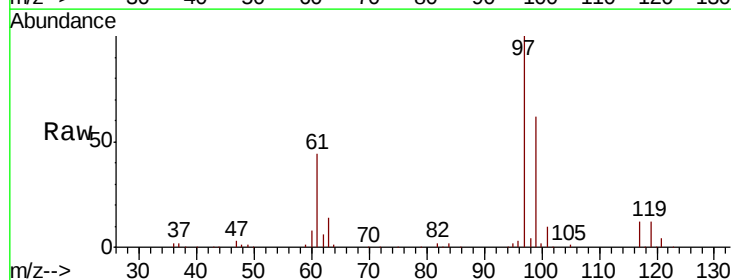
Tgt Ion: 97 Resp: 158896

Ion Ratio Lower Upper

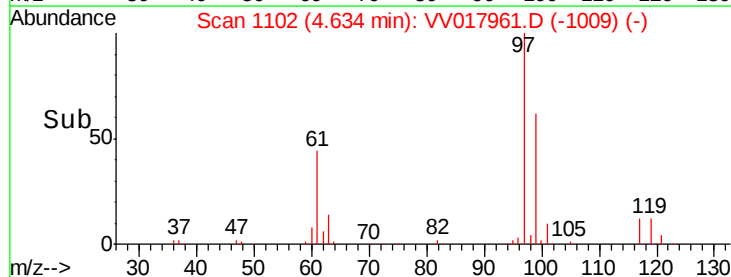
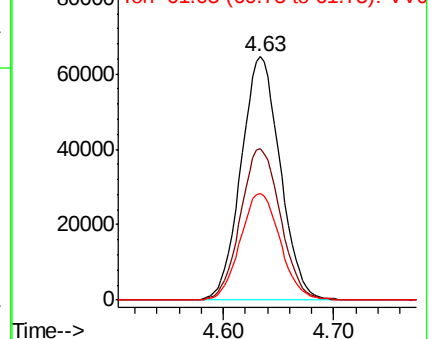
97 100

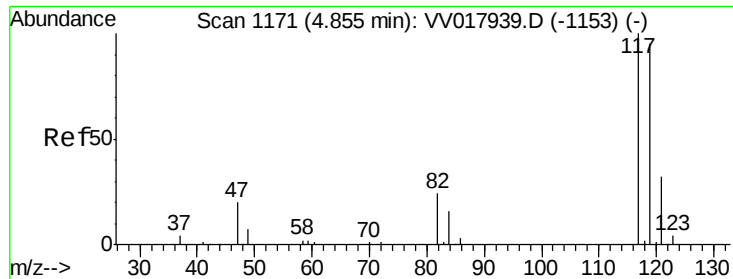
99 63.5 50.6 76.0

61 45.0 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.174 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

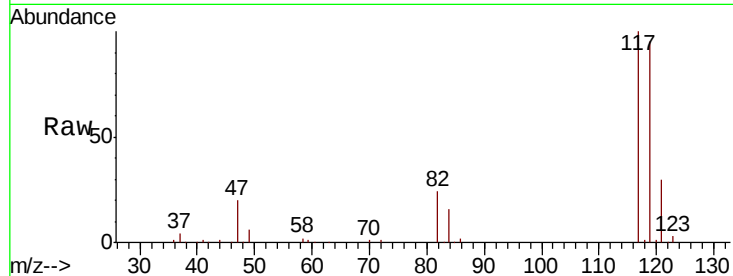
VSTD05067

Tot Ion:117 Resp: 133929

Ion Ratio Lower Upper

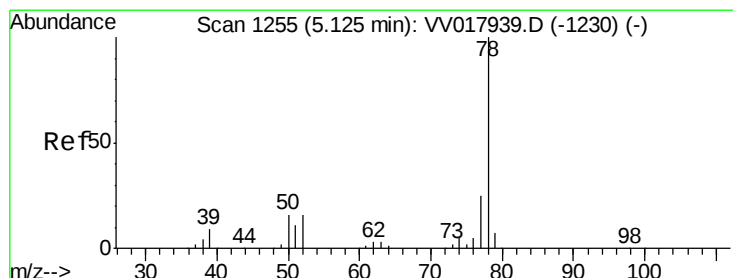
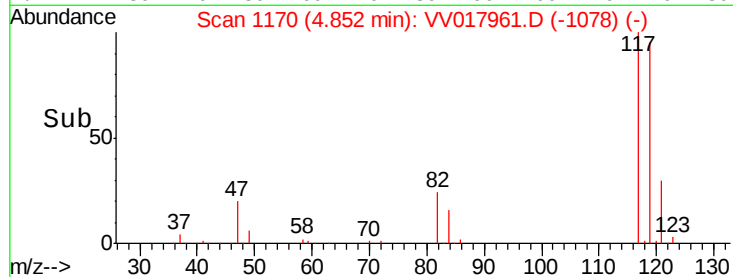
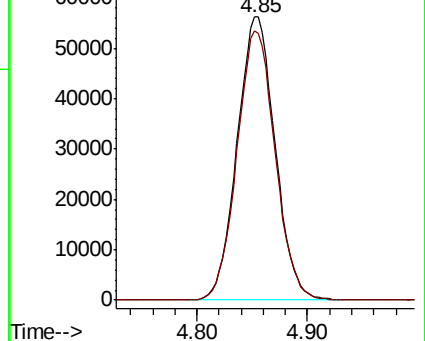
117 100

119 95.4 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.280 ug/L

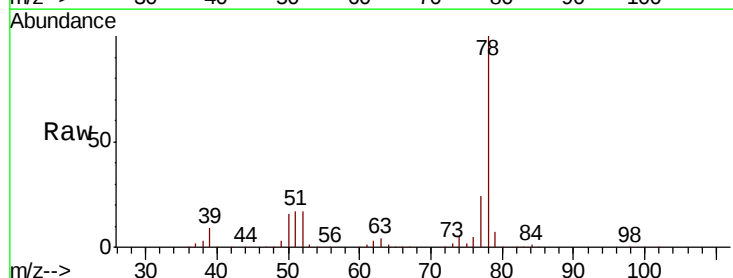
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

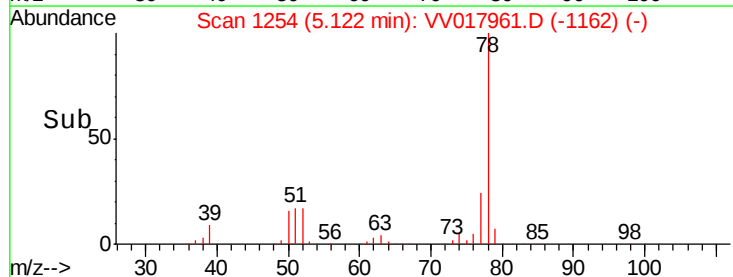
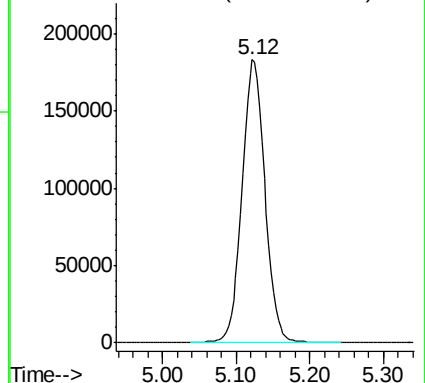
Lab File: VV017961.D

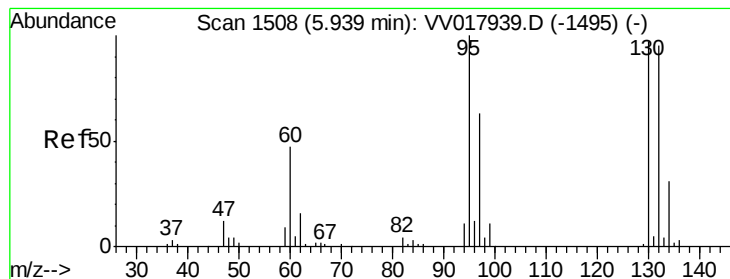
Acq: 13 Aug 2020 10:58

Tgt Ion: 78 Resp: 398932



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.898 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

Tot Ion: 95 Resp: 104631

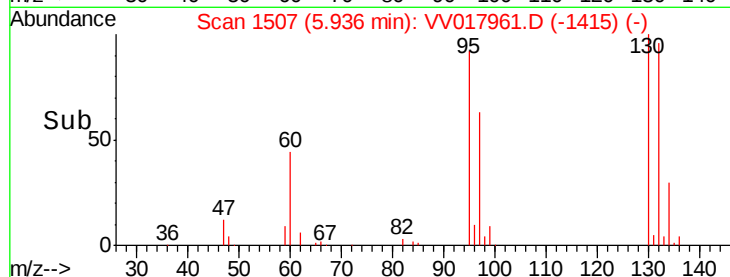
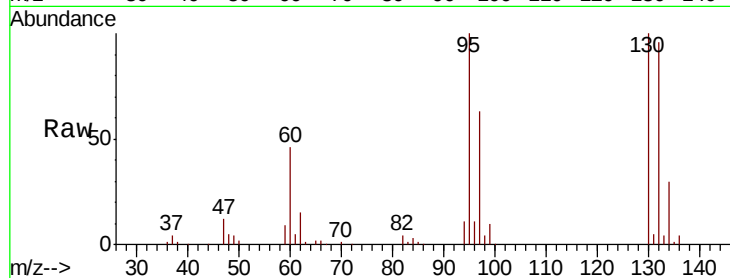
Ion Ratio Lower Upper

95 100

97 63.3 46.0 85.4

132 96.3 65.8 122.2

130 99.9 69.2 128.6

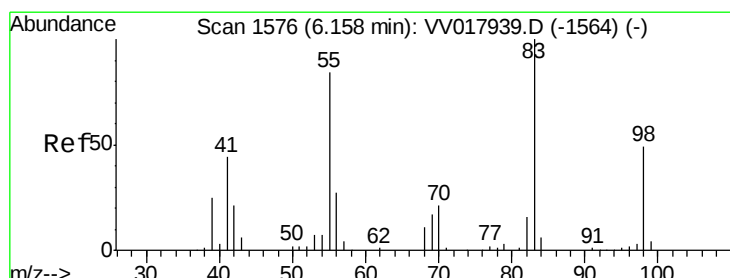
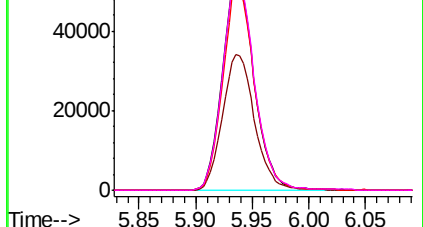


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.805 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

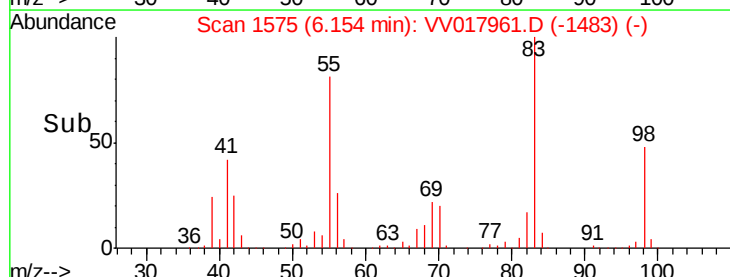
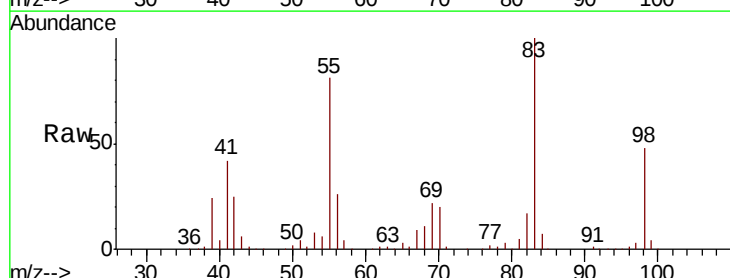
Tgt Ion: 83 Resp: 161653

Ion Ratio Lower Upper

83 100

55 80.4 64.9 97.3

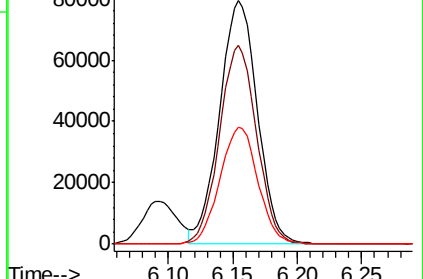
98 48.4 38.7 58.1

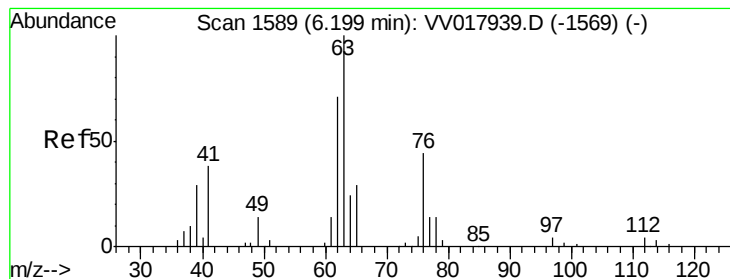


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.707 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

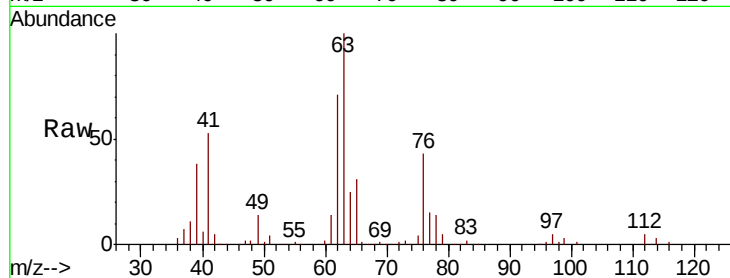
VSTD05067

Tot Ion: 63 Resp: 109737

Ion Ratio Lower Upper

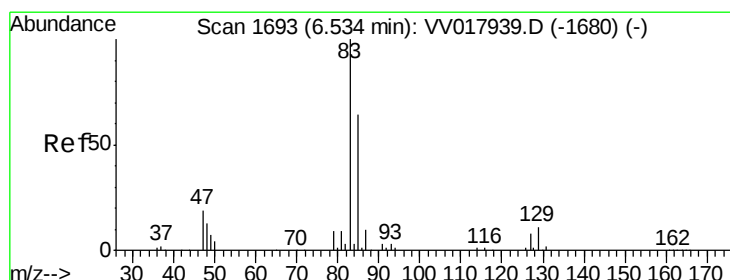
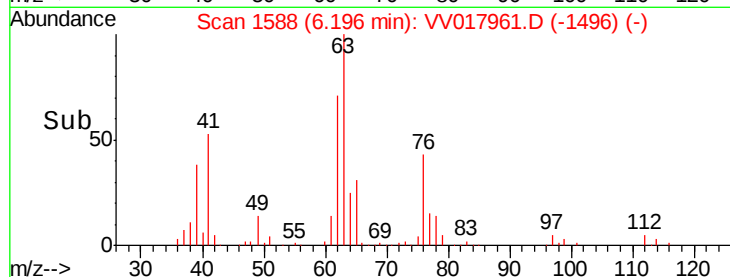
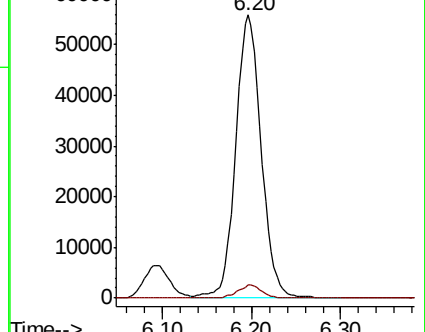
63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV017939.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017939.D (-1569) (-)



#38

Bromodichloromethane

Concen: 50.465 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

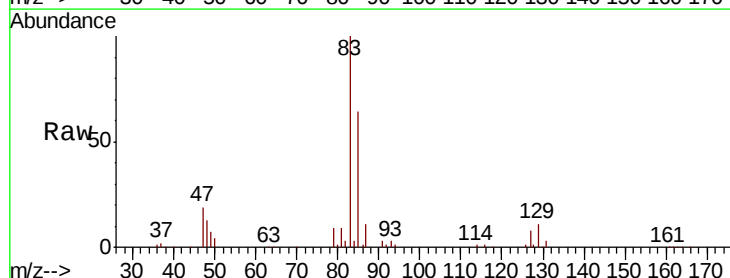
Tgt Ion: 83 Resp: 138384

Ion Ratio Lower Upper

83 100

85 63.8 44.3 82.3

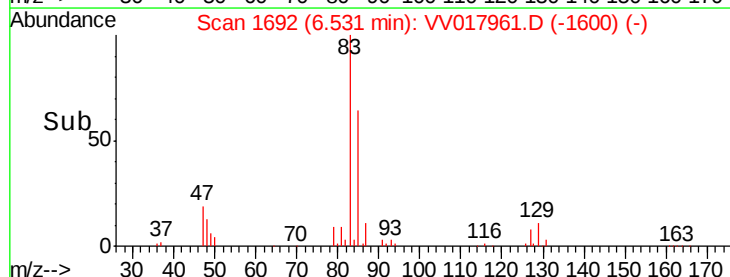
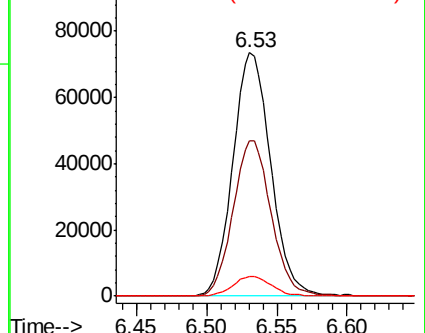
127 8.2 6.5 9.7

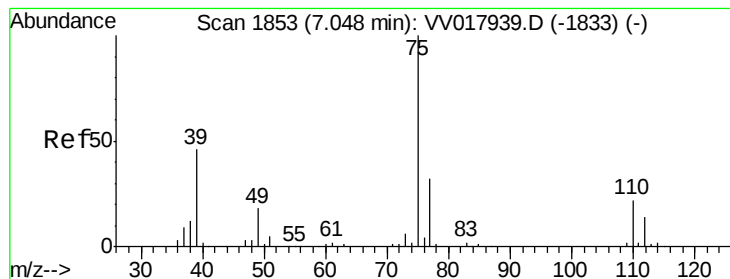


Abundance Ion 83.00 (82.70 to 83.70): VV017939.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV017939.D (-1680) (-)

Ion 127.00 (126.70 to 127.70): VV017939.D (-1680) (-)



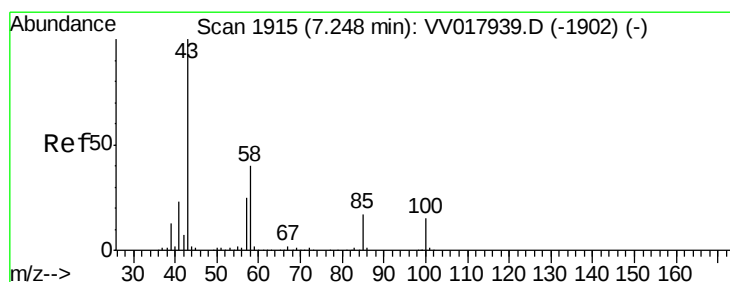
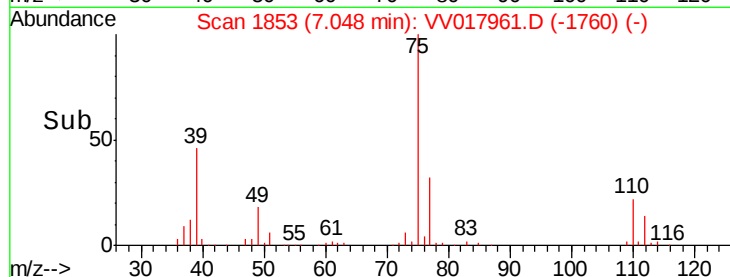
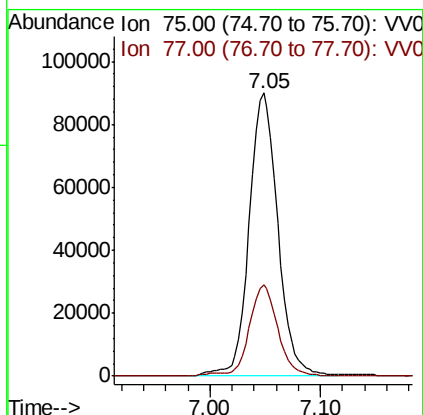
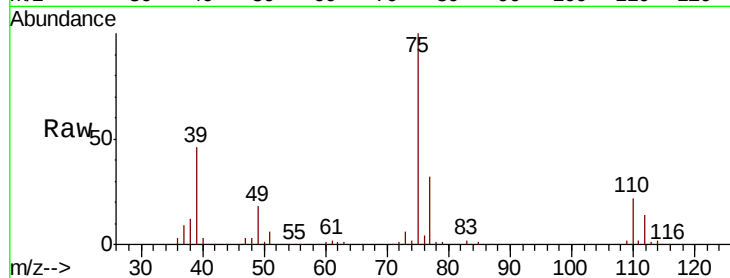


#39

cis-1,3-Dichloropropene
 Concen: 51.965 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017961.D
 Acq: 13 Aug 2020 10:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05067

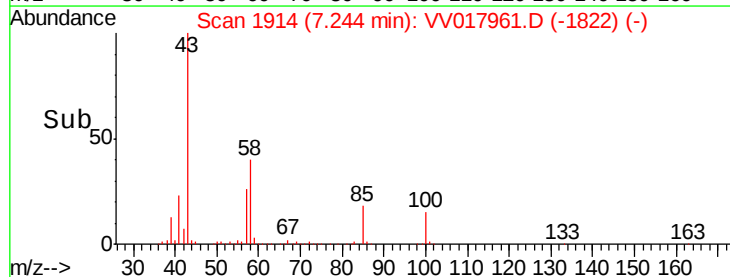
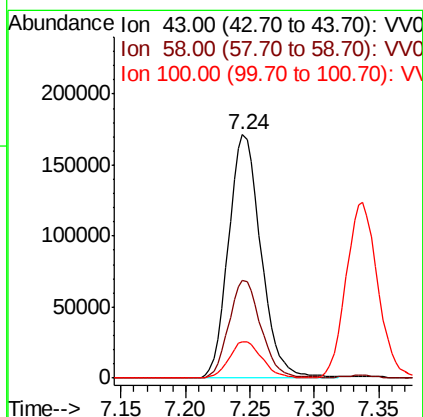
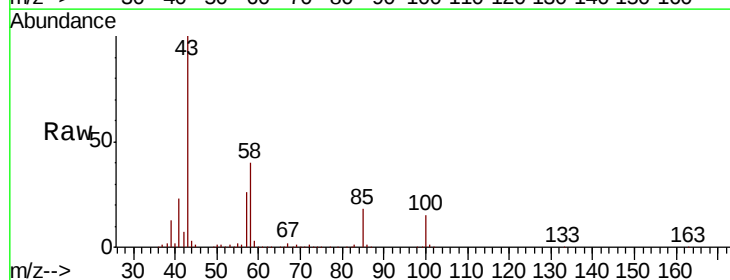
Tot Ion: 75 Resp: 162630
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.5

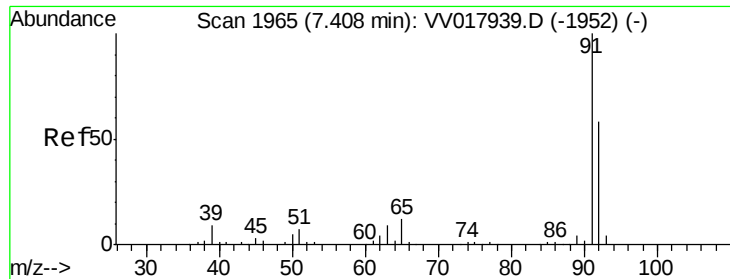


#40

4-Methyl-2-pentanone
 Concen: 104.127 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017961.D
 Acq: 13 Aug 2020 10:58

Tgt Ion: 43 Resp: 300508
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9
 100 15.2 12.2 18.2





#42

Toluene

Concen: 50.689 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

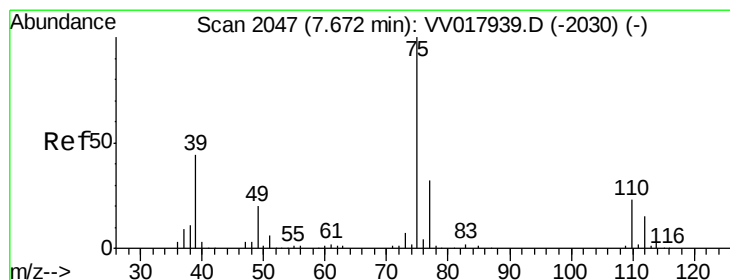
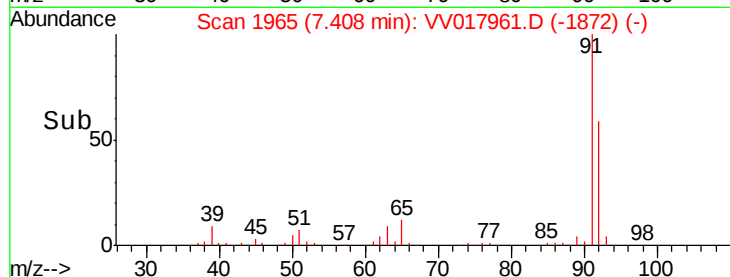
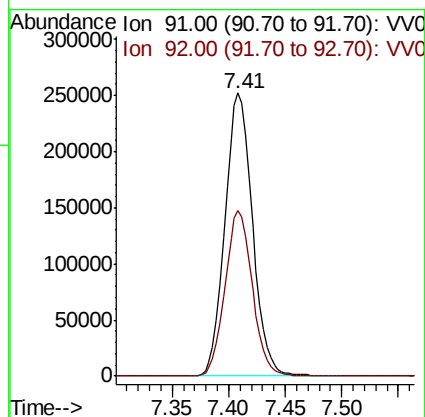
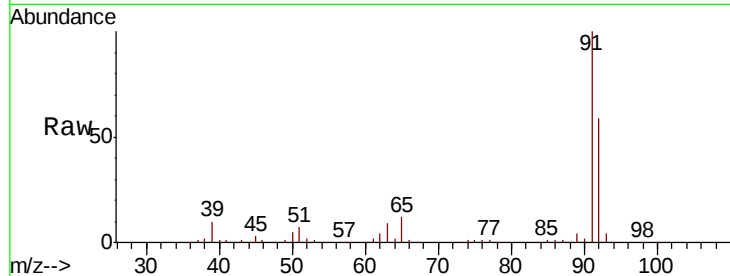
VSTD05067

Tot Ion: 91 Resp: 428185

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 53.253 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017961.D

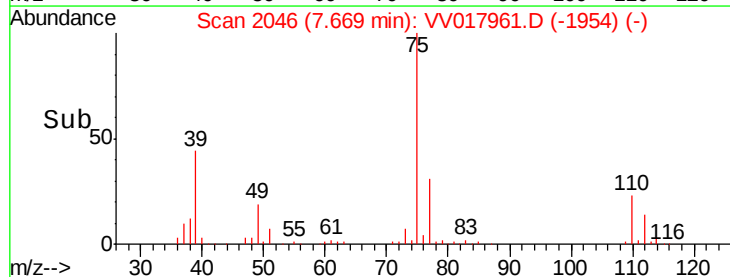
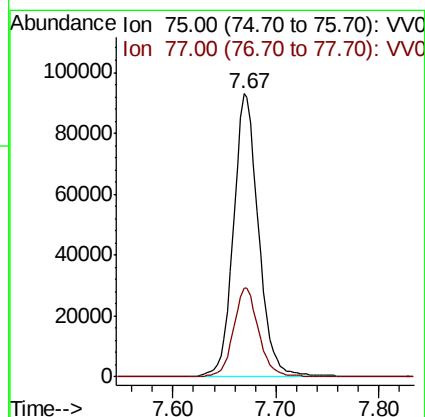
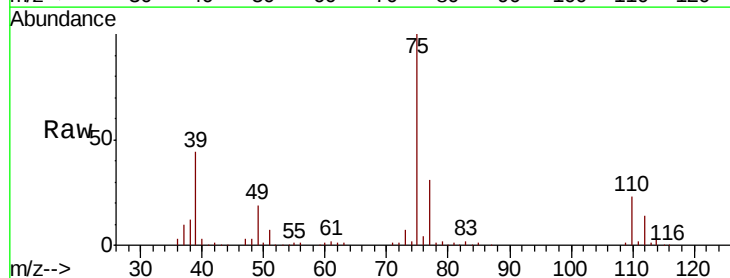
Acq: 13 Aug 2020 10:58

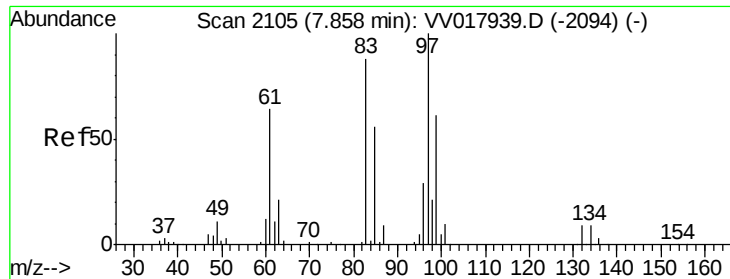
Tgt Ion: 75 Resp: 158130

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5

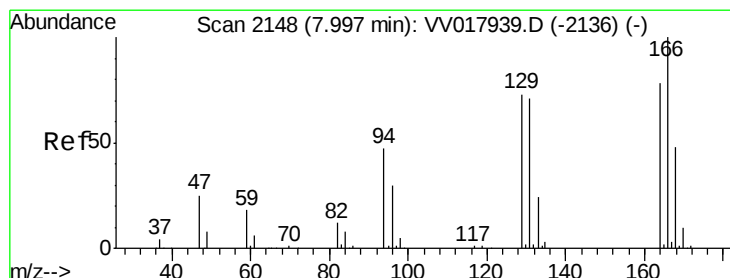
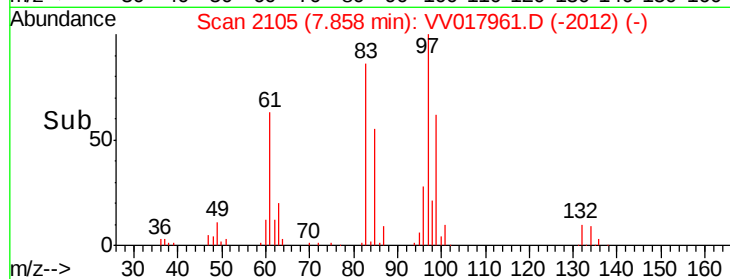
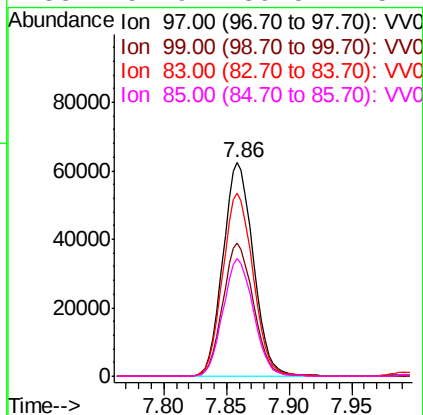
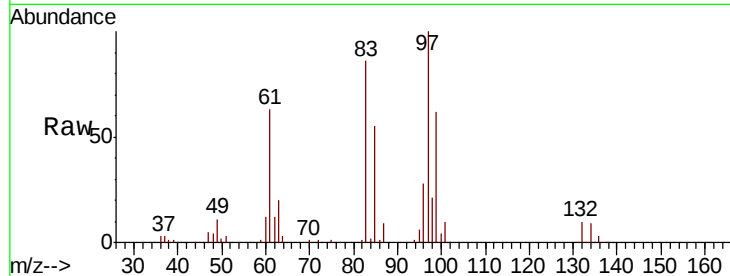




#45
1,1,2-Trichloroethane
Concen: 51.215 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

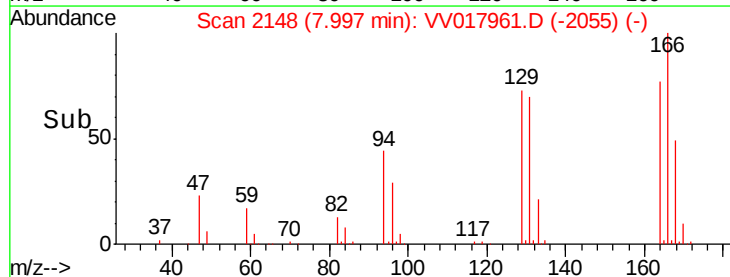
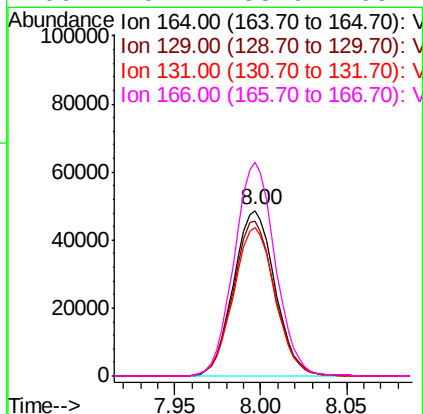
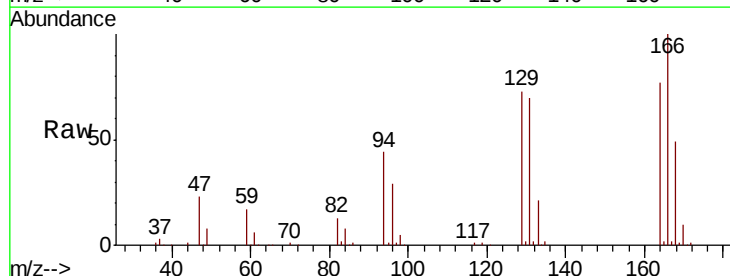
Instrument :
MSVOA_V
ClientSampleId :
VSTD05067

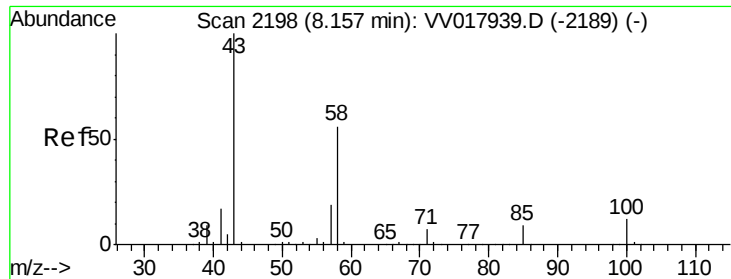
Tot Ion:	97	Resp:	104707
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.2	82.2
83	85.9	61.0	113.4
85	54.9	39.5	73.4



#46
Tetrachloroethene
Concen: 52.094 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Tgt Ion:	164	Resp:	81752
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.8	120.3
131	90.1	64.5	119.9
166	129.2	88.9	165.1

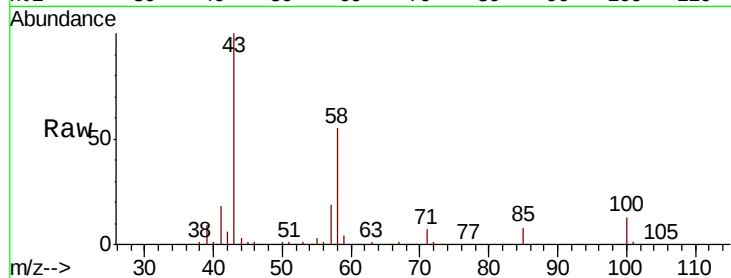




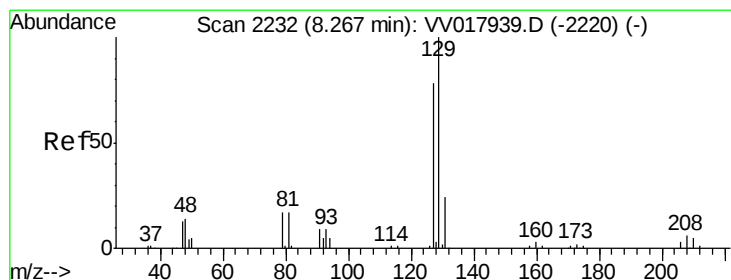
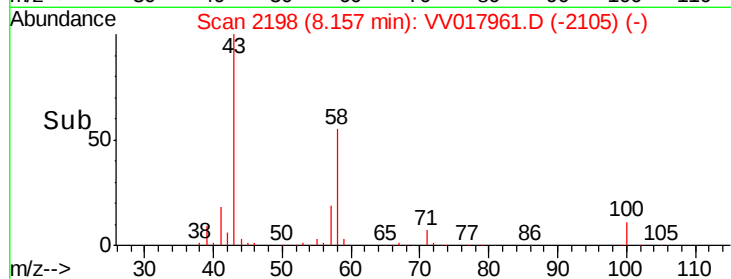
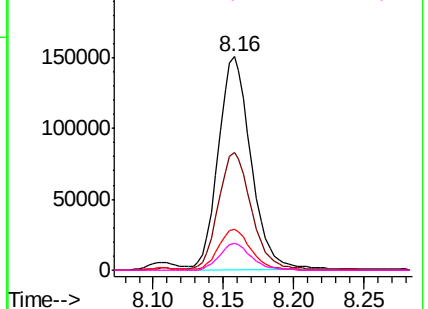
#48
2-Hexanone
Concen: 103.557 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05067

Tot Ion:	43	Resp:	241000
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.4	66.6
57	19.1	15.2	22.8
100	12.4	9.8	14.6

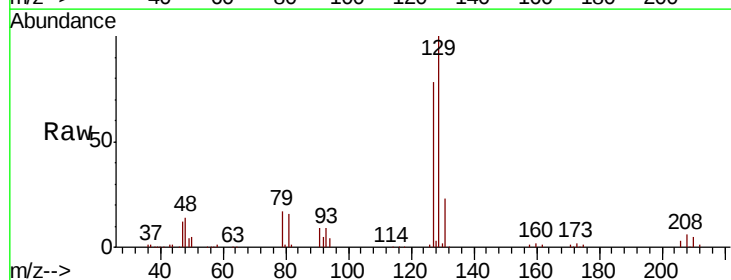


Abundance Ion 43.00 (42.70 to 43.70): VV017961.D (-2198) (-)

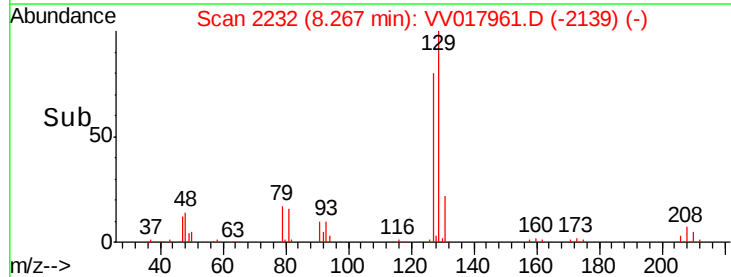
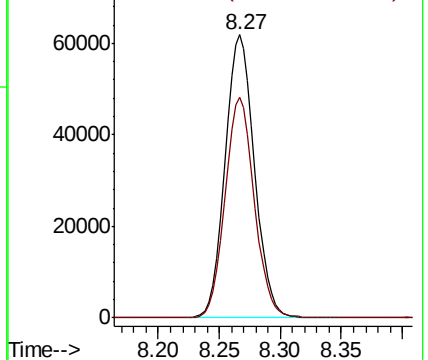


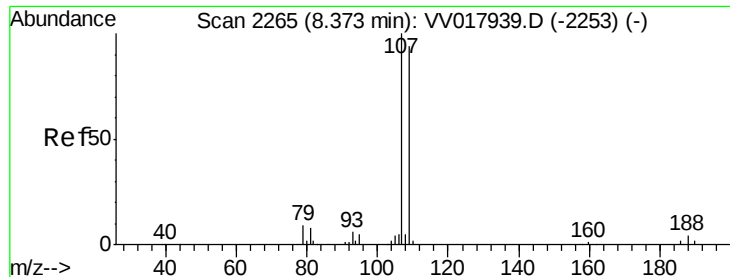
#49
Dibromochloromethane
Concen: 52.353 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Tgt Ion:	129	Resp:	104474
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VV017961.D (-2232) (-)

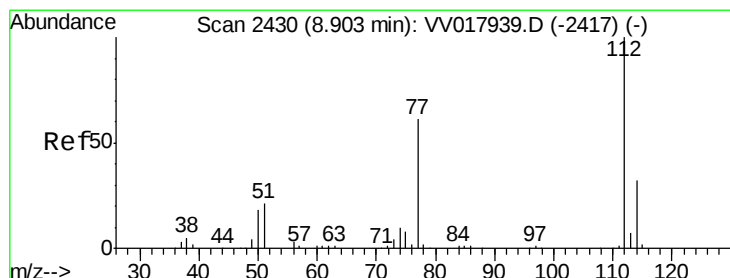
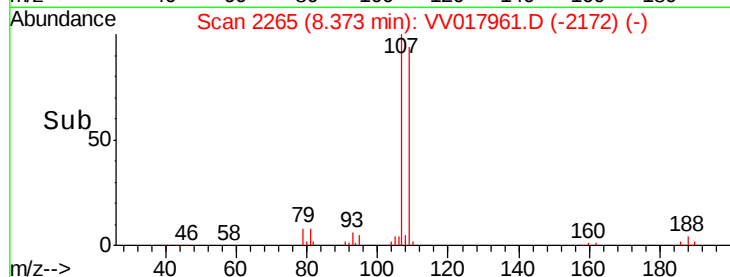
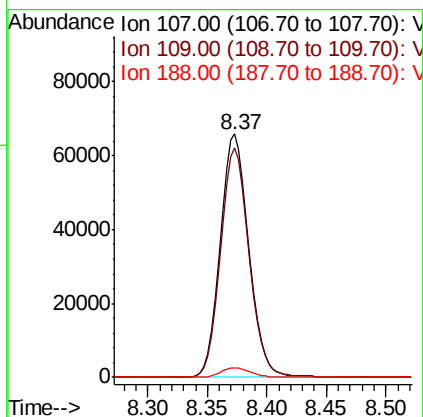
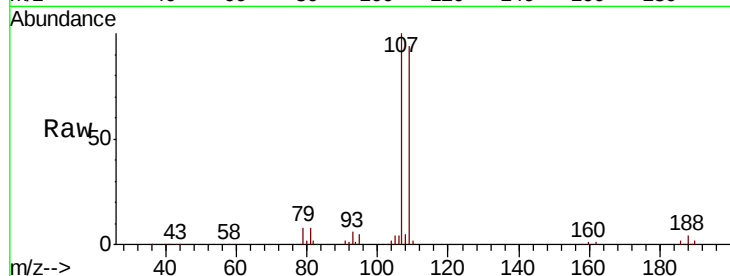




#50
1,2-Dibromoethane
Concen: 51.846 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

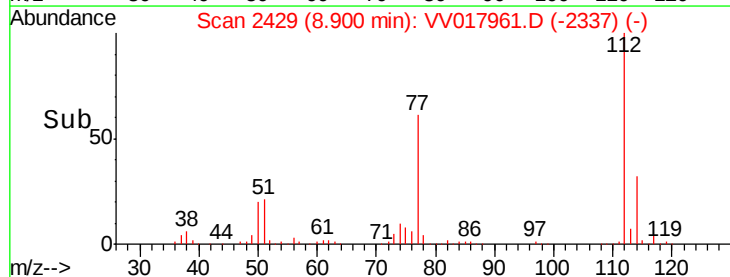
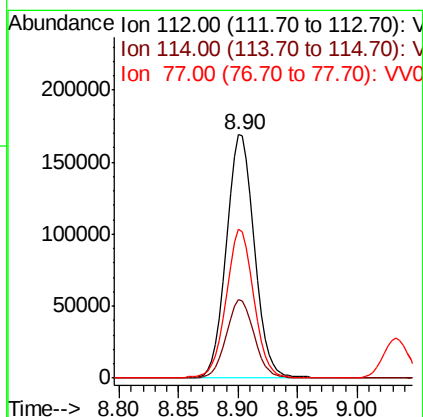
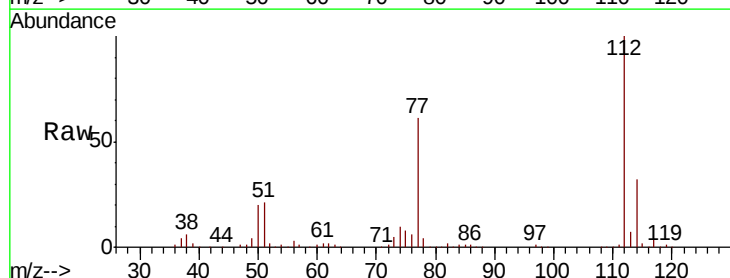
Instrument :
MSVOA_V
ClientSampleId :
VSTD05067

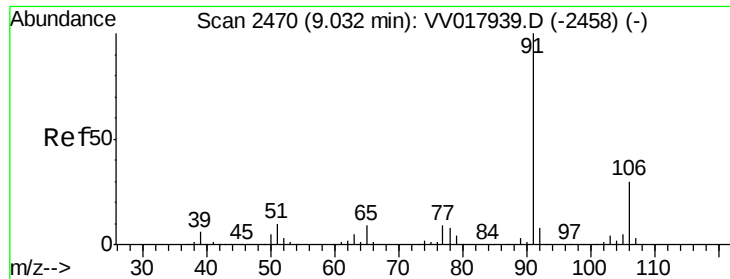
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	67.5	125.4
188	4.0	3.4	5.0



#51
Chlorobenzene
Concen: 50.941 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017961.D
Acq: 13 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.7	42.3
77	61.1	49.4	74.2





#52

Ethylbenzene

Concen: 51.399 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

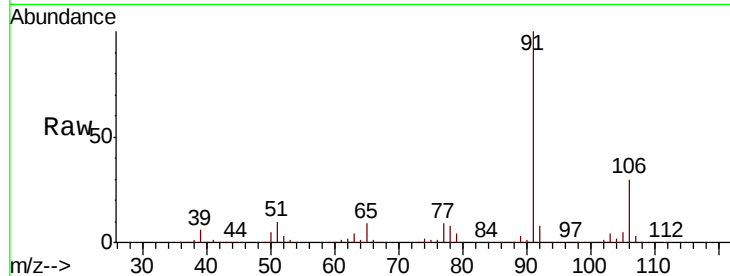
VSTD05067

Tot Ion: 91 Resp: 473405

Ion Ratio Lower Upper

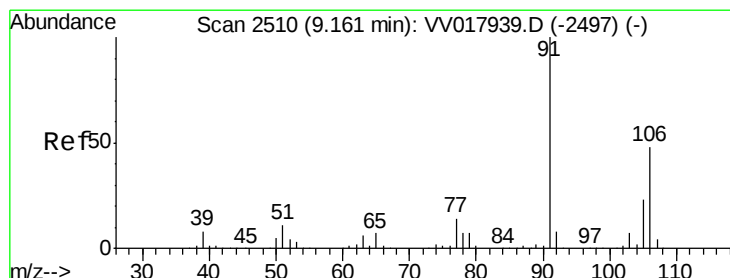
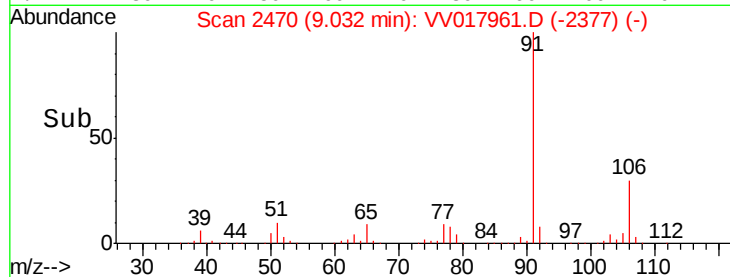
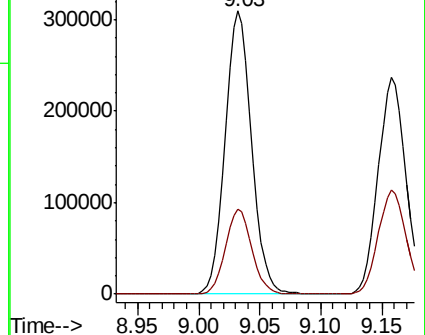
91 100

106 30.0 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV017961.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV017961.D (-2458) (-)



#53

m,p-Xylene

Concen: 53.017 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017961.D

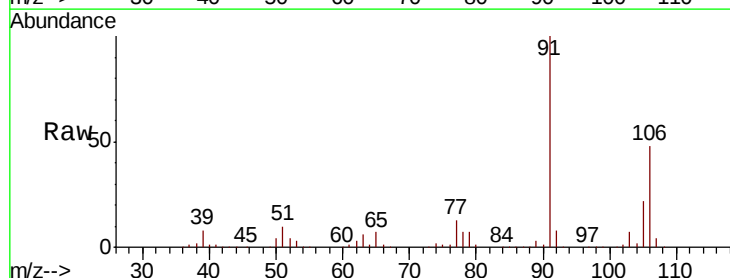
Acq: 13 Aug 2020 10:58

Tgt Ion: 106 Resp: 179599

Ion Ratio Lower Upper

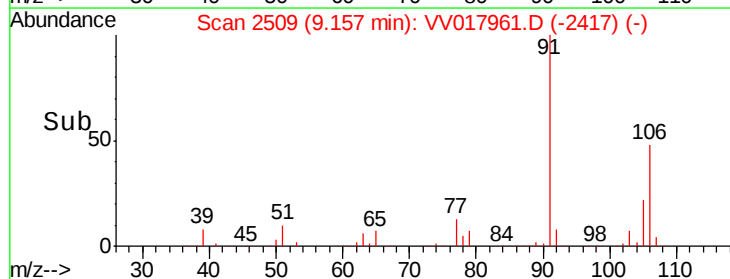
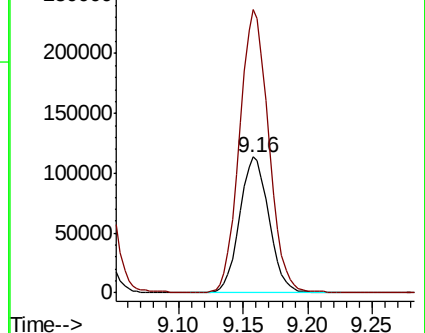
106 100

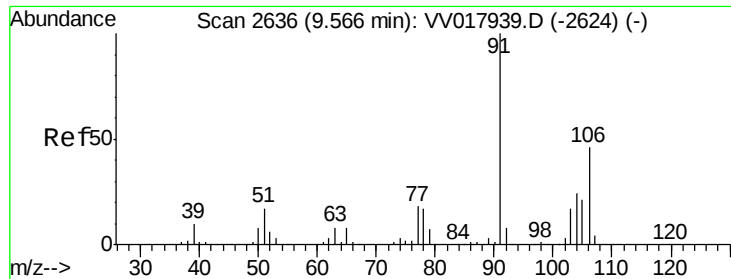
91 208.4 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV017961.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV017961.D (-2497) (-)





#54

o-xylene

Concen: 51.948 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

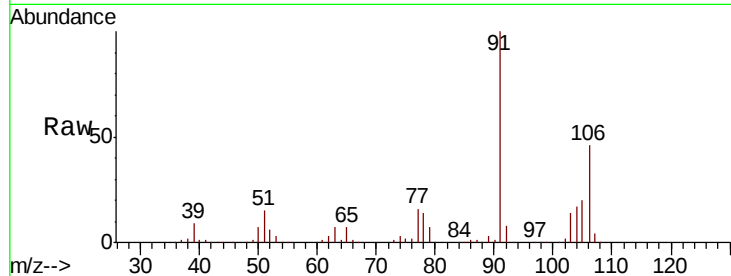
Instrument :
MSVOA_V
ClientSampleId :
VSTD05067

Tot Ion:106 Resp: 173905

Ion Ratio Lower Upper

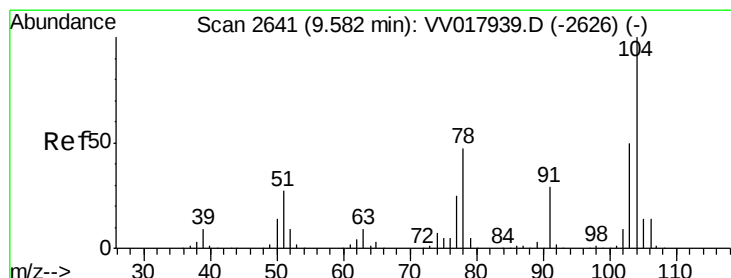
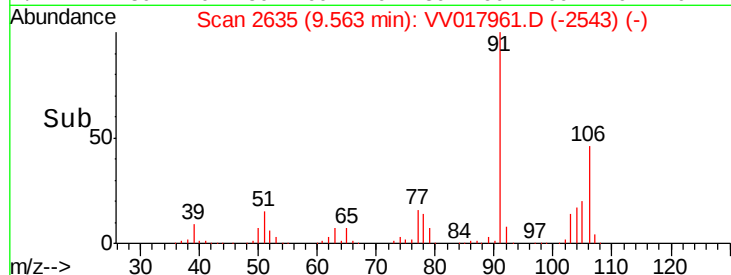
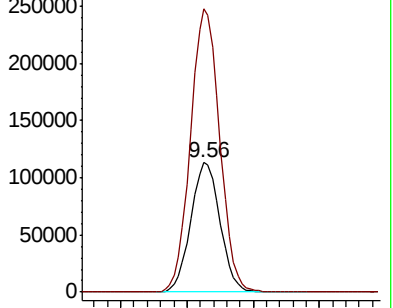
106 100

91 218.4 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.195 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017961.D

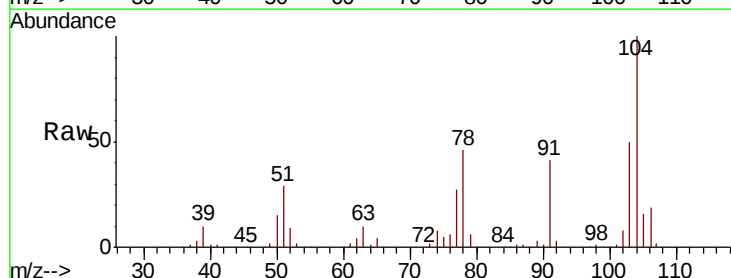
Acq: 13 Aug 2020 10:58

Tgt Ion:104 Resp: 310698

Ion Ratio Lower Upper

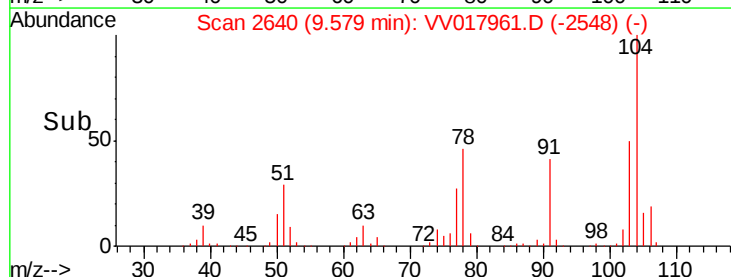
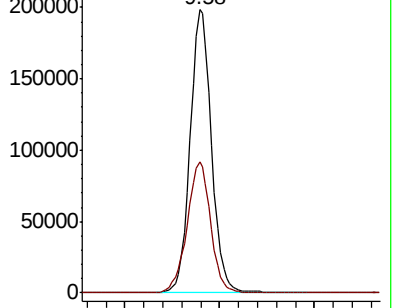
104 100

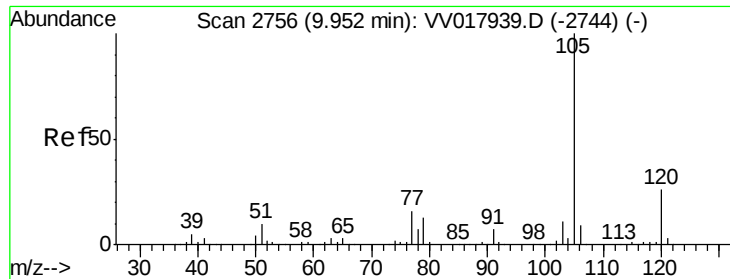
78 46.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.411 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

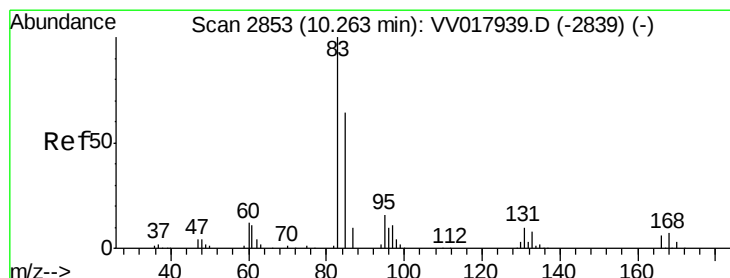
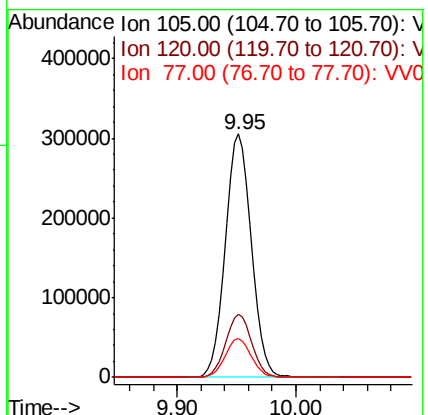
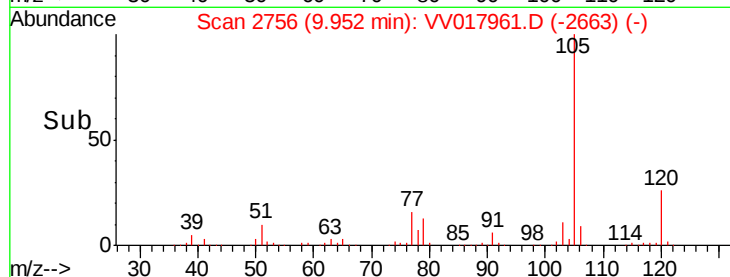
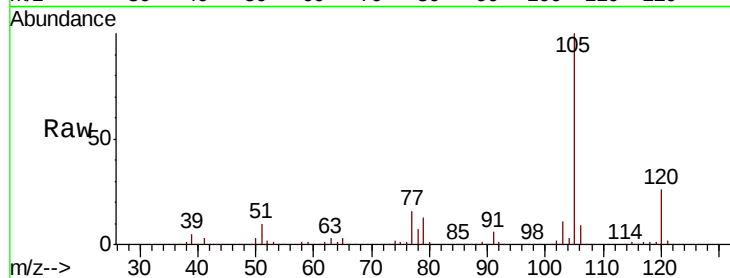
Tot Ion:105 Resp: 462866

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 16.0 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 51.679 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

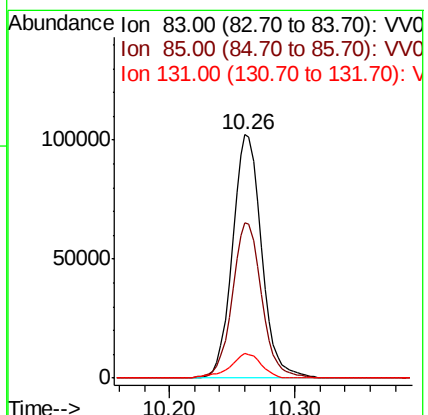
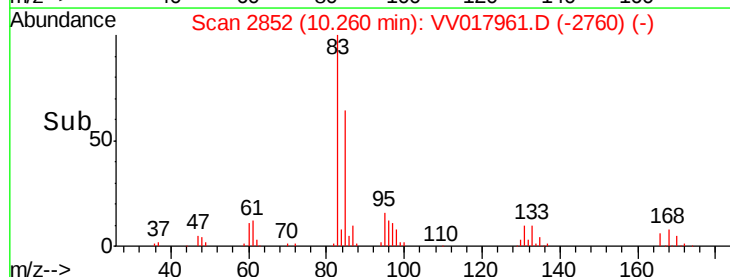
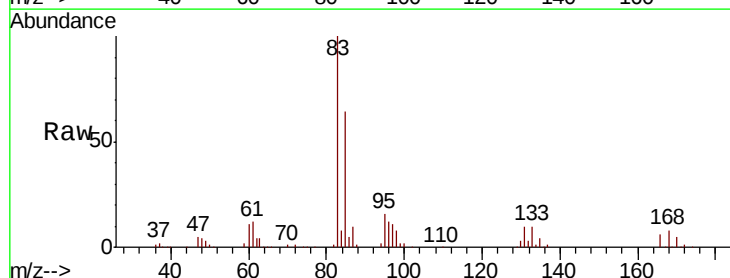
Tgt Ion: 83 Resp: 164527

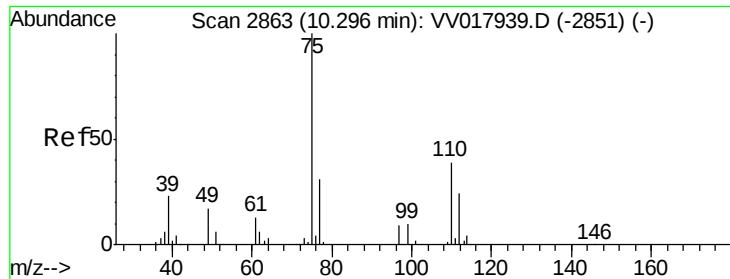
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7

131 10.0 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 50.396 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

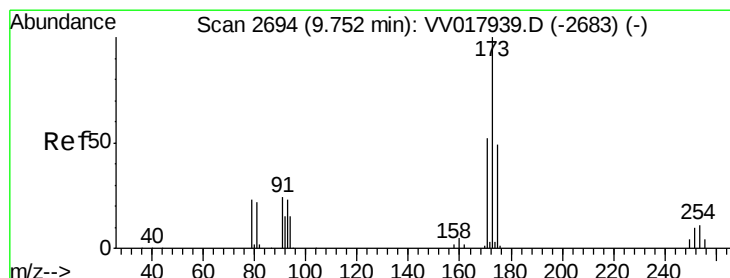
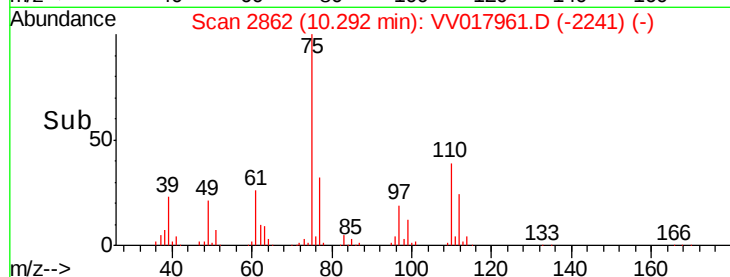
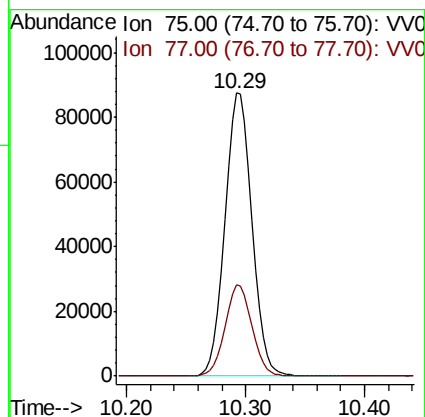
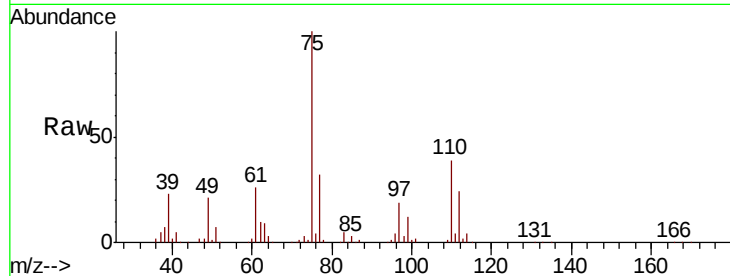
VSTD05067

Tot Ion: 75 Resp: 137404

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 49.971 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

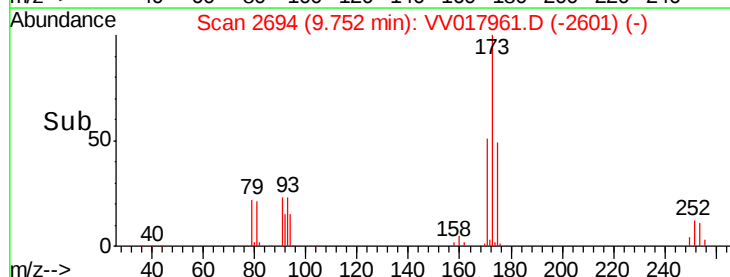
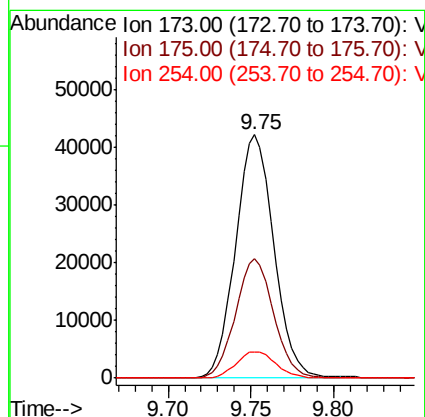
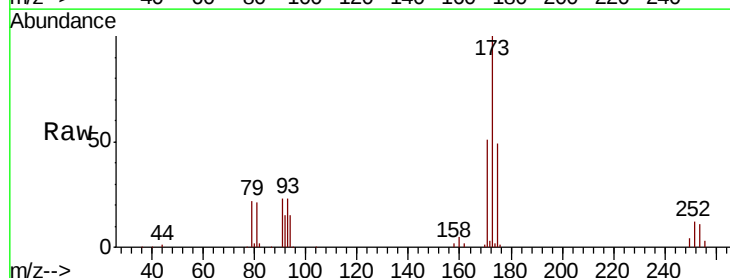
Tgt Ion: 173 Resp: 67932

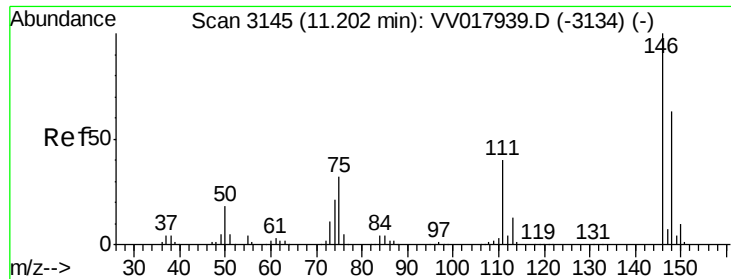
Ion Ratio Lower Upper

173 100

175 48.8 38.6 57.8

254 11.0 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 50.242 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

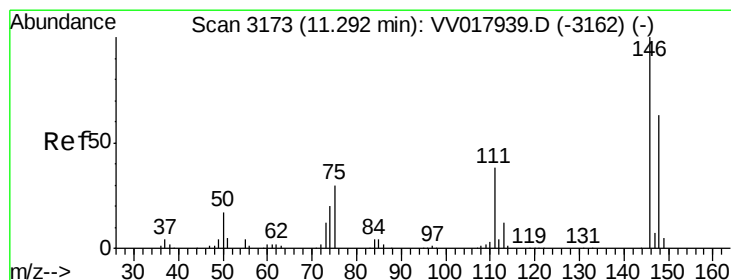
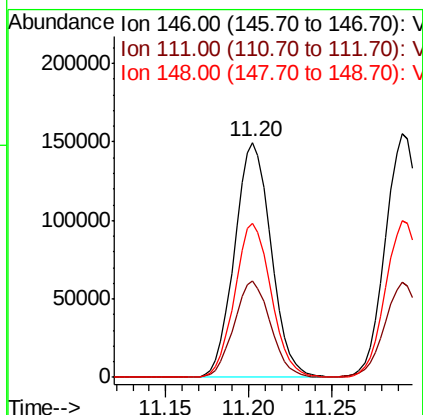
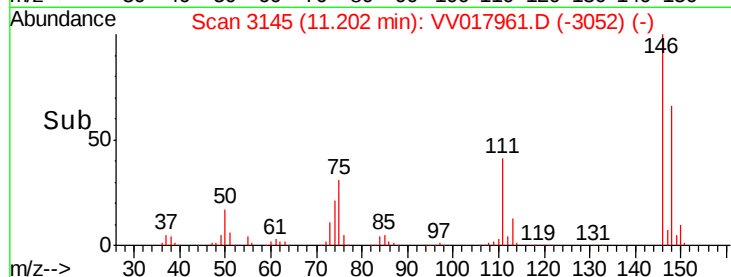
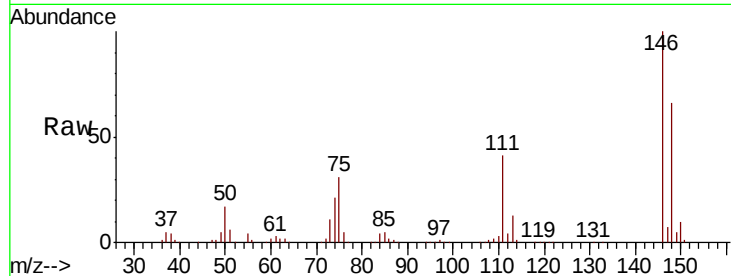
Tot Ion:146 Resp: 229540

Ion Ratio Lower Upper

146 100

111 40.9 28.8 53.4

148 65.9 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 50.517 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

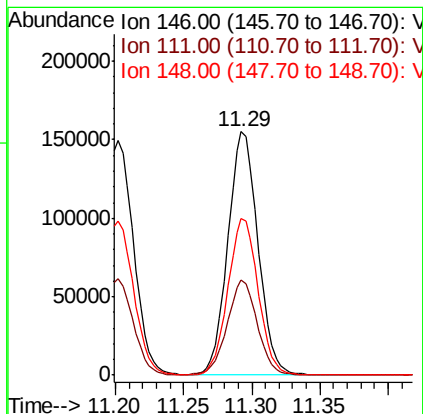
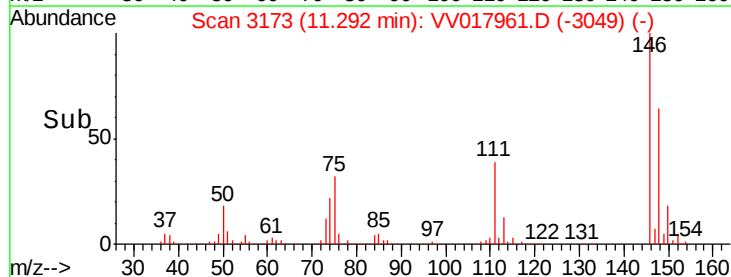
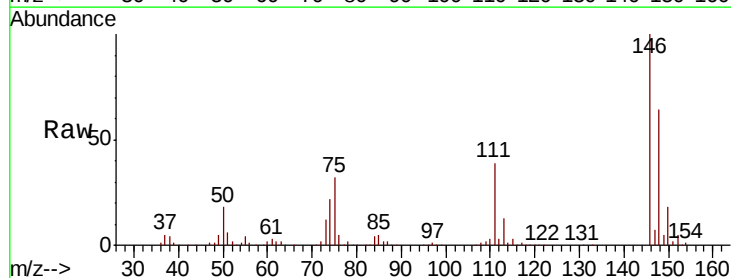
Tgt Ion:146 Resp: 237091

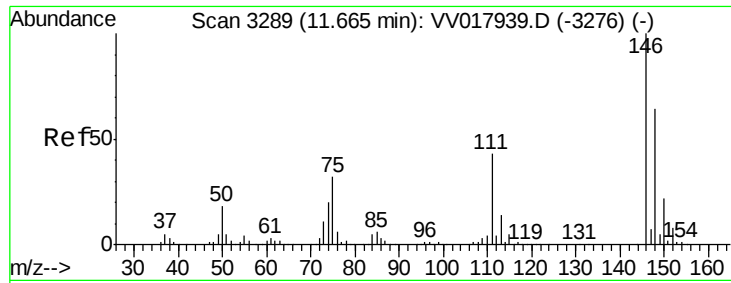
Ion Ratio Lower Upper

146 100

111 38.9 28.0 52.0

148 64.1 44.2 82.2

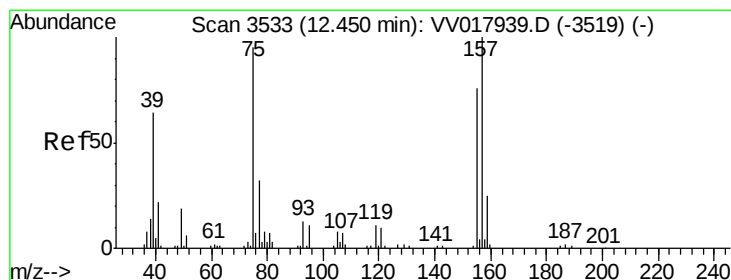
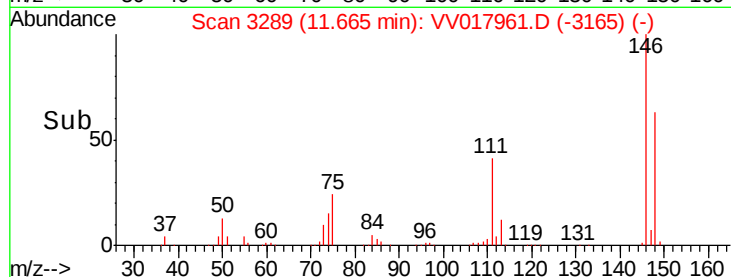
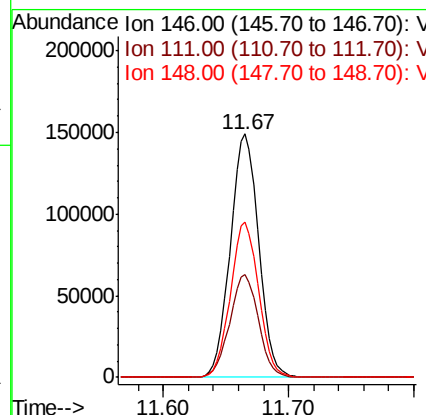
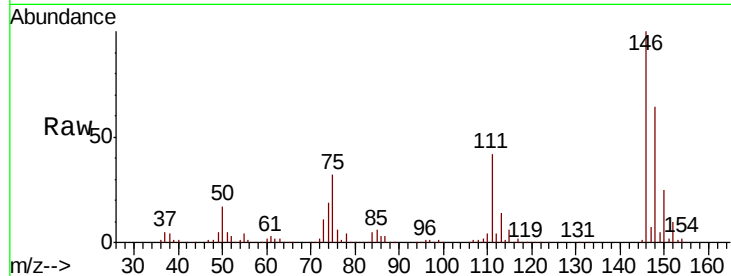




#65
 1,2-Dichlorobenzene
 Concen: 49.521 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017961.D
 Acq: 13 Aug 2020 10:58

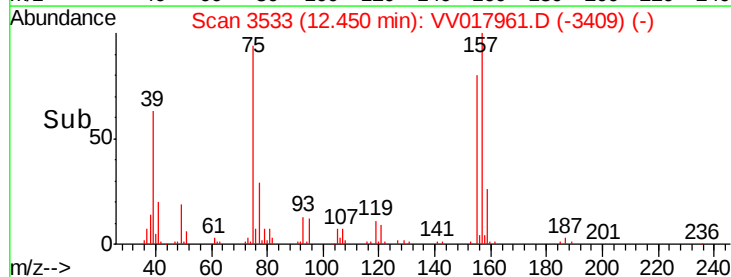
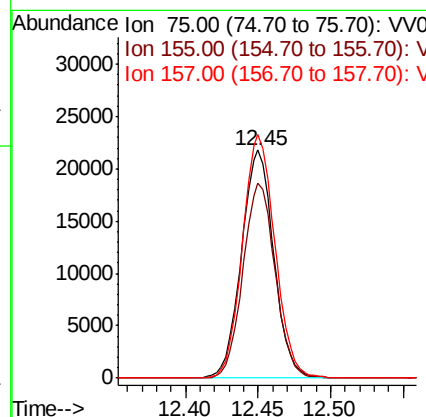
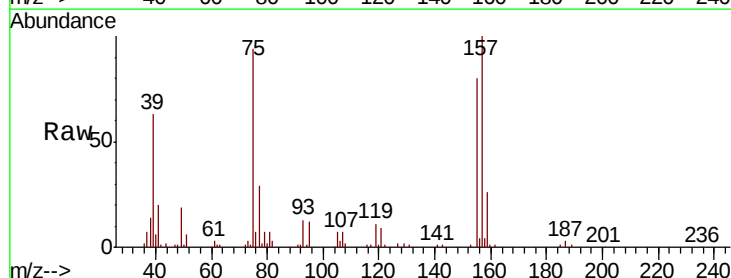
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05067

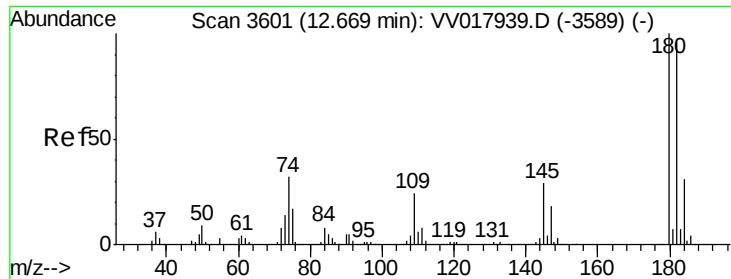
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	34.2	51.4
148	63.6	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.733 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017961.D
 Acq: 13 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	67.6	101.4
157	106.8	84.3	126.5

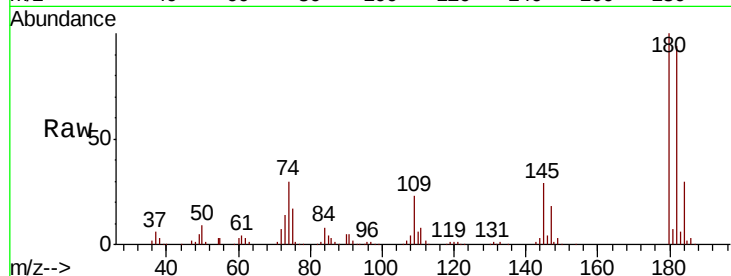




#67
 1,3,5-Trichlorobenzene
 Concen: 53.317 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017961.D
 Acq: 13 Aug 2020 10:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05067

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.2	115.8
184	30.3	24.6	36.8
145	29.1	23.5	35.3



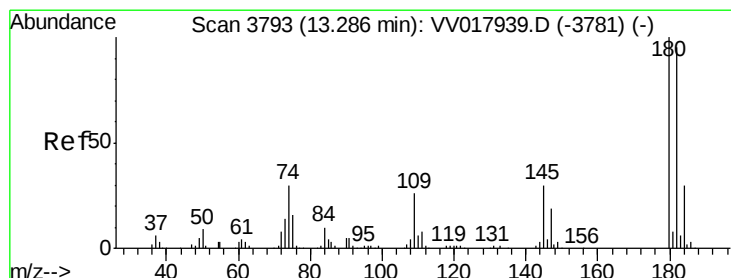
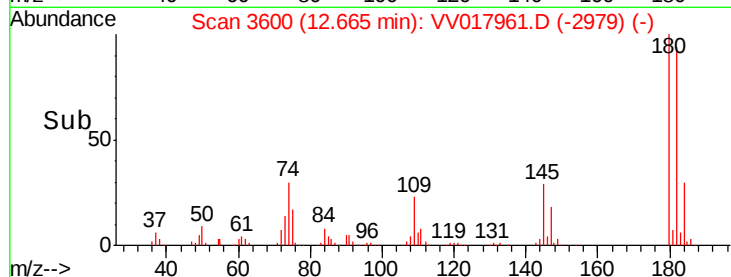
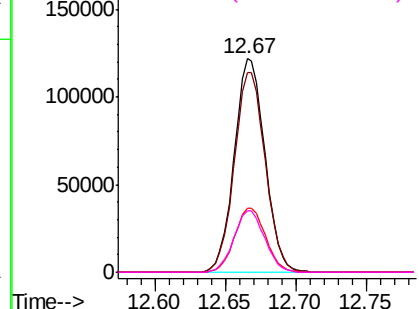
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

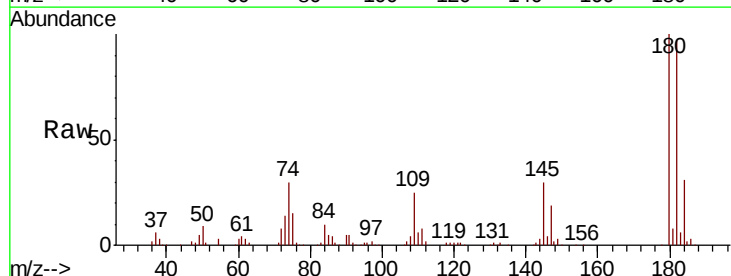
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.595 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017961.D
 Acq: 13 Aug 2020 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
145	29.7	24.0	36.0

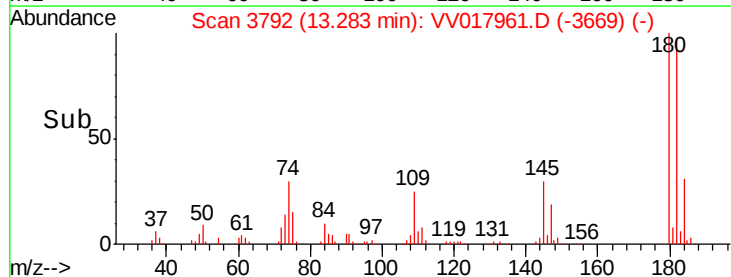
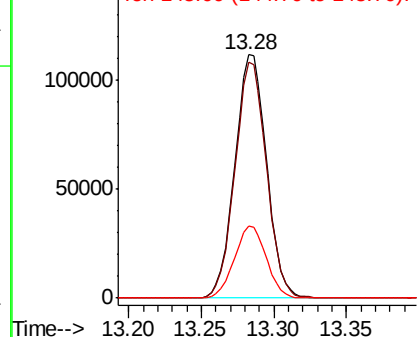


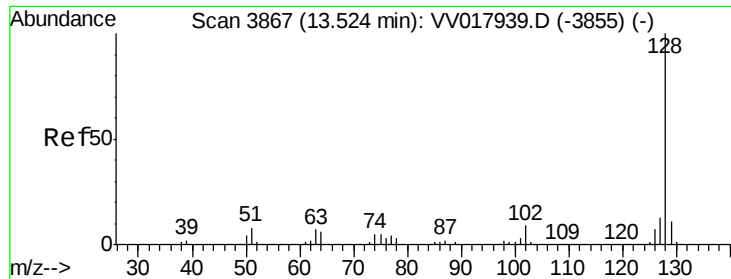
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.997 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05067

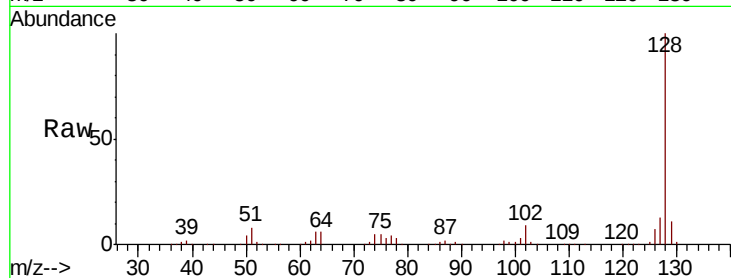
Tot Ion:128 Resp: 479357

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

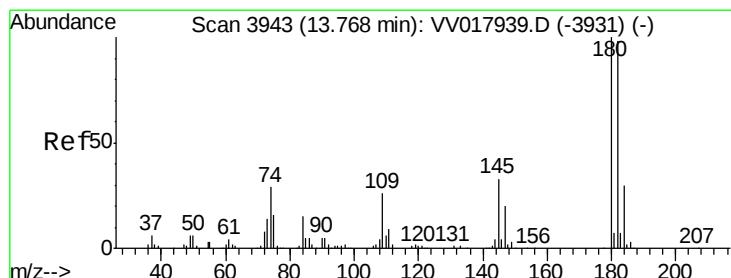
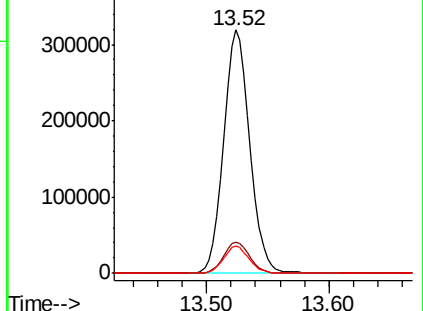
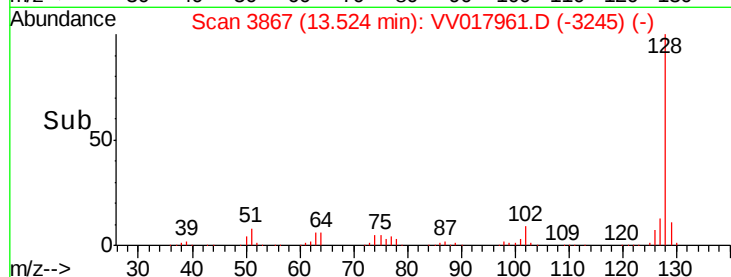
129 11.0 8.7 13.1



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: 56.658 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV017961.D

Acq: 13 Aug 2020 10:58

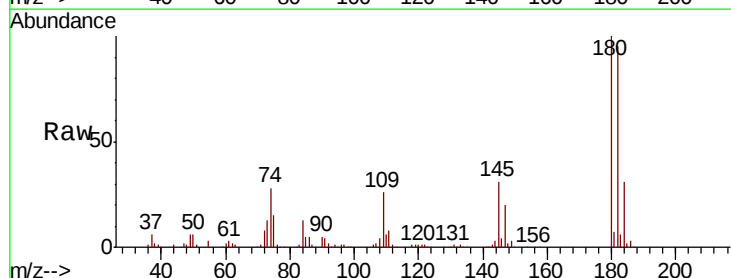
Tgt Ion:180 Resp: 175812

Ion Ratio Lower Upper

180 100

182 94.4 76.5 114.7

145 31.4 26.0 39.0



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

