

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
 Data File : VV019068.D
 Acq On : 22 Oct 2020 13:31
 Operator : SY/MD
 Sample : VSTD20065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Quant Time: Oct 22 13:52:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:09:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	323028	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	317734	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	172129	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	561365	204.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	445364	205.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	1078787	208.91	ug/L	0.00
21) 2-Butanone-d5	3.91	46	830093	440.66	ug/L	0.00
24) Chloroform-d	4.37	84	997186	203.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	679406	208.93	ug/L	0.00
32) Benzene-d6	5.07	84	1934476	204.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	628558	208.19	ug/L	0.00
41) Toluene-d8	7.34	98	1780999	210.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	341903	229.77	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	627067	541.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	824189	228.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	703862	197.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	483669	172.947	ug/L 98
3) Chloromethane	1.25	50	603481	189.634	ug/L 100
5) Vinyl chloride	1.32	62	601508	194.816	ug/L 100
6) Bromomethane	1.53	94	352185	189.309	ug/L 100
8) Chloroethane	1.60	64	373588	200.207	ug/L 99
9) Trichlorofluoromethane	1.76	101	802330	195.736	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	416087	194.752	ug/L 99
12) 1,1-Dichloroethene	2.13	96	428842	199.203	ug/L 86
13) Acetone	2.20	43	513831	377.564	ug/L 99
14) Carbon disulfide	2.31	76	1415922	194.176	ug/L 100
15) Methyl Acetate	2.45	43	572126	203.600	ug/L 100
16) Methylene chloride	2.52	84	488794	190.439	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	463049	196.267	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	1560610	208.154	ug/L 100
19) 1,1-Dichloroethane	3.21	63	905324	195.739	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	505052	202.250	ug/L 100
22) 2-Butanone	4.00	43	798022	433.165	ug/L 98
23) Bromochloromethane	4.27	128	252057	194.932	ug/L 99
25) Chloroform	4.40	83	900498	194.743	ug/L 99
27) 1,2-Dichloroethane	5.15	62	768110	202.228	ug/L 100
29) Cyclohexane	4.70	56	818528	212.396	ug/L 99
30) 1,1,1-Trichloroethane	4.63	97	802039	201.146	ug/L 99
31) Carbon tetrachloride	4.86	117	692818	203.558	ug/L 100
33) Benzene	5.13	78	1972693	200.950	ug/L 100
34) Trichloroethene	5.94	95	495728	178.783	ug/L 99
35) Methylcyclohexane	6.15	83	719497	207.100	ug/L 98
37) 1,2-Dichloropropane	6.20	63	537576	204.947	ug/L 100
38) Bromodichloromethane	6.53	83	696225	206.633	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	878076	221.510	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	1598257	441.542	ug/L 99

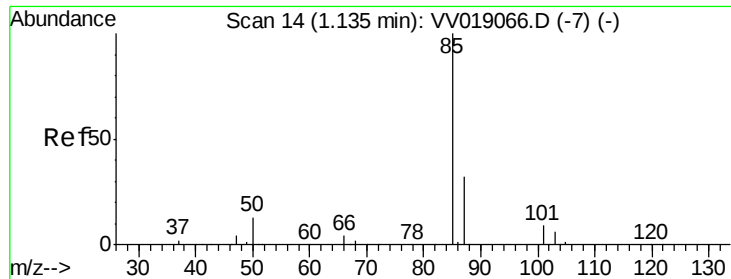
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102220\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 13:09:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2087613	206.928	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	868749	226.659	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	472120	194.420	ug/L	99
46) Tetrachloroethene	8.00	164	377770	190.044	ug/L	99
48) 2-Hexanone	8.16	43	1242796	434.550	ug/L	99
49) Dibromochloromethane	8.27	129	546905	211.296	ug/L	98
50) 1,2-Dibromoethane	8.37	107	501875	198.530	ug/L	100
51) Chlorobenzene	8.90	112	1295123	196.963	ug/L	99
52) Ethylbenzene	9.03	91	2317155	212.018	ug/L	100
53) m,p-Xylene	9.16	106	850050	208.532	ug/L	98
54) o-xylene	9.56	106	832201	213.715	ug/L	100
55) Styrene	9.58	104	1497325	218.242	ug/L	99
56) Isopropylbenzene	9.95	105	2180303	212.989	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	777600	227.619	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	631821	199.289	ug/L	99
61) Bromoform	9.75	173	412137	216.664	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1040374	194.095	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1074469	191.137	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1040960	193.215	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	196943	236.606	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	727364	202.527	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	714034	215.036	ug/L	99
69) Naphthalene	13.52	128	2397363	249.381	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	693782	209.021	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 172.947 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

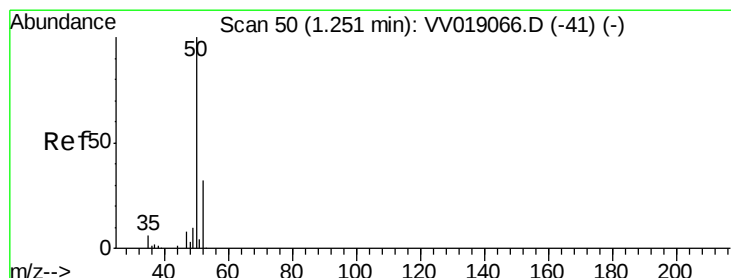
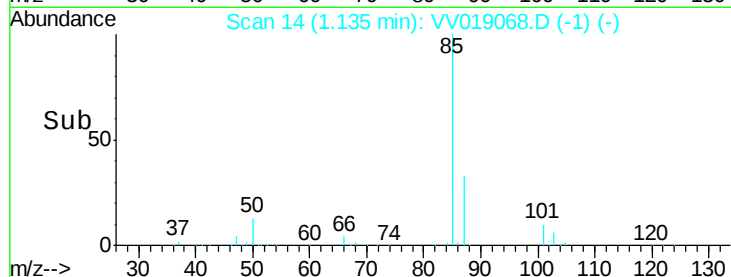
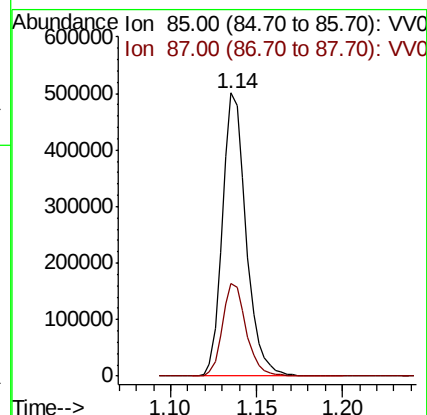
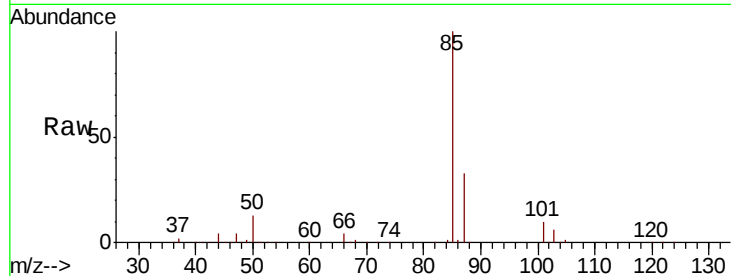
VSTD20065

Tot Ion: 85 Resp: 483669

Ion Ratio Lower Upper

85 100

87 32.8 25.5 38.3



#3

Chloromethane

Concen: 189.634 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019068.D

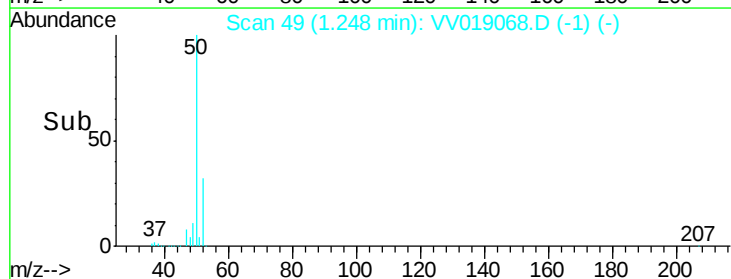
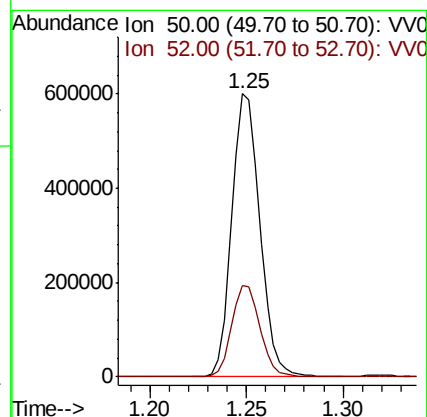
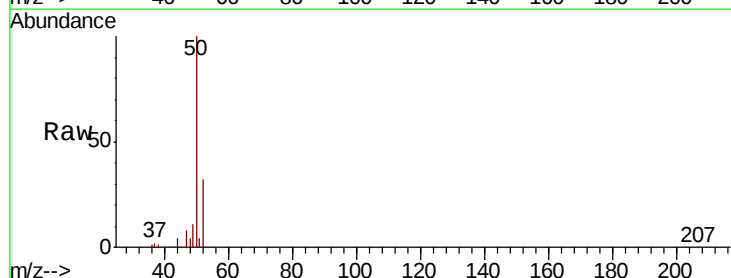
Acq: 22 Oct 2020 13:31

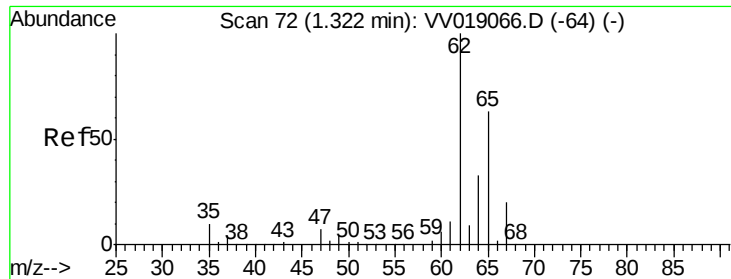
Tgt Ion: 50 Resp: 603481

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1





#5

Vinyl chloride

Concen: 194.816 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

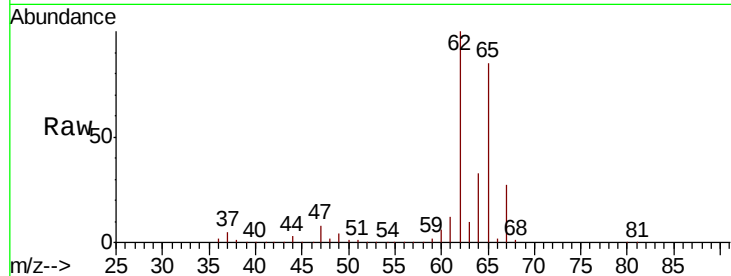
VSTD20065

Tot Ion: 62 Resp: 601508

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

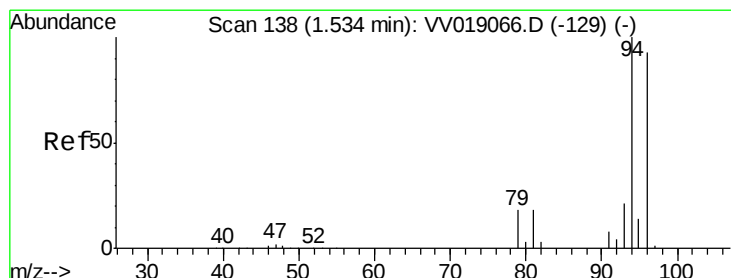
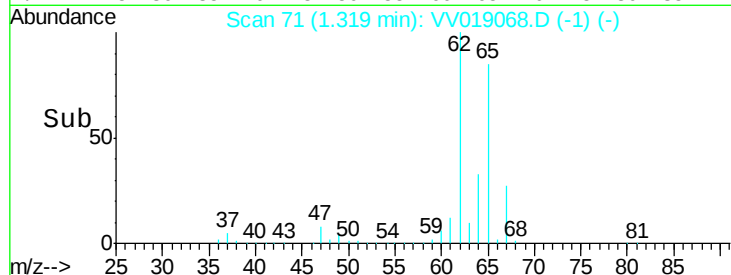
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 189.309 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019068.D

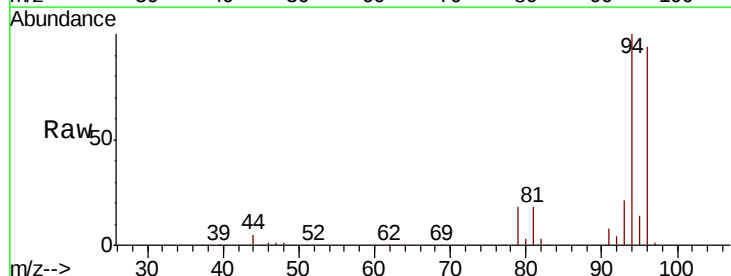
Acq: 22 Oct 2020 13:31

Tgt Ion: 94 Resp: 352185

Ion Ratio Lower Upper

94 100

96 93.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

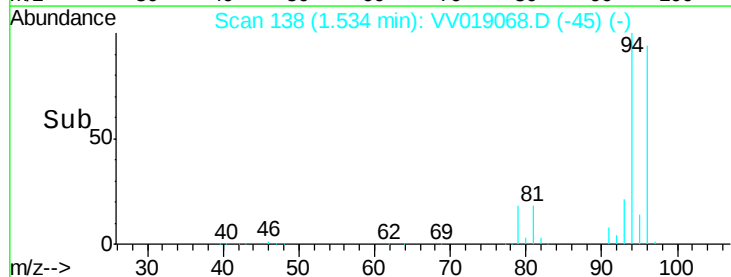
300000

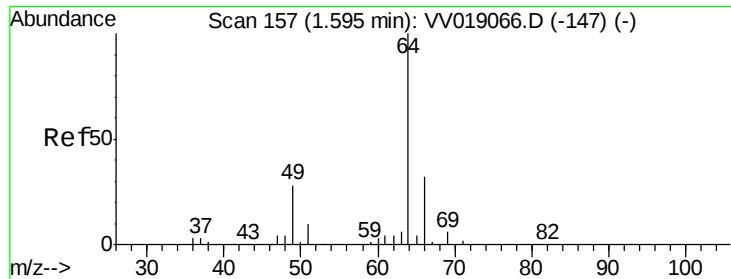
200000

100000

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Time-->

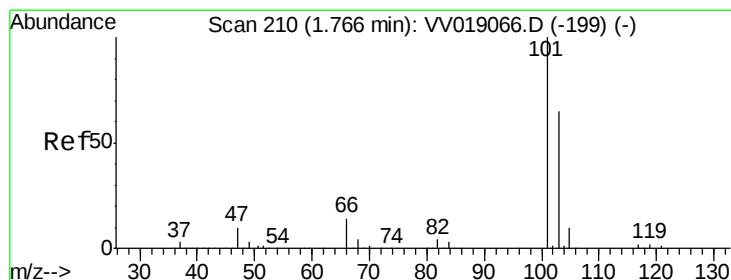
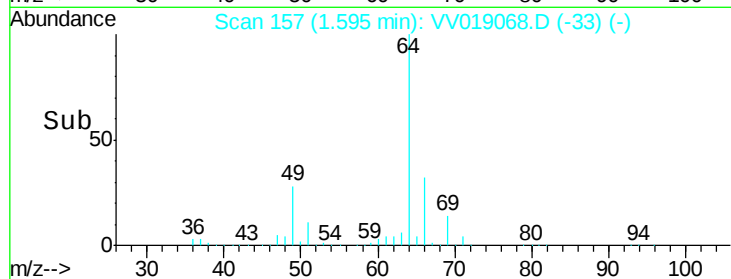
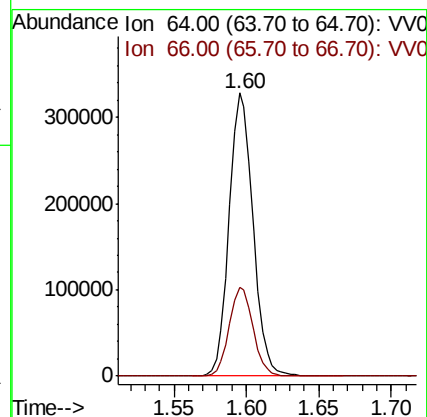
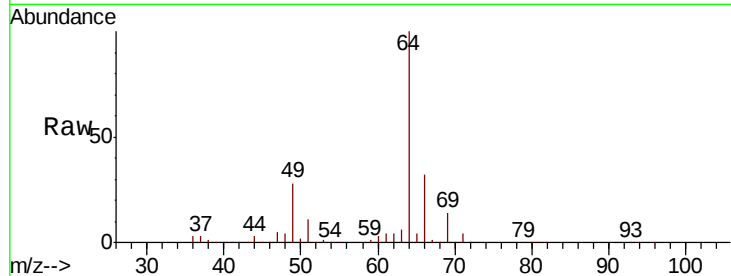




#8
Chloroethane
Concen: 200.207 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

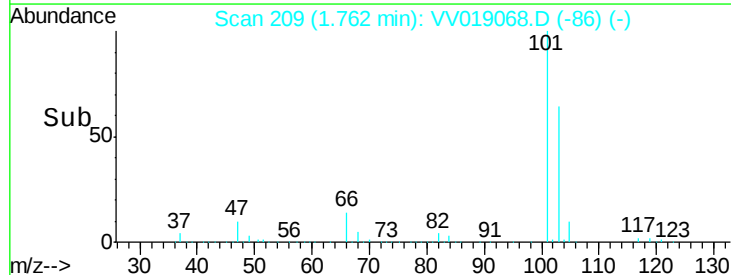
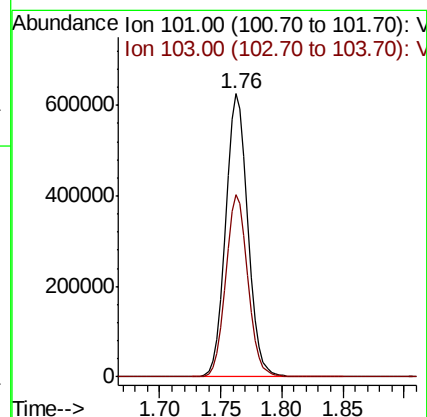
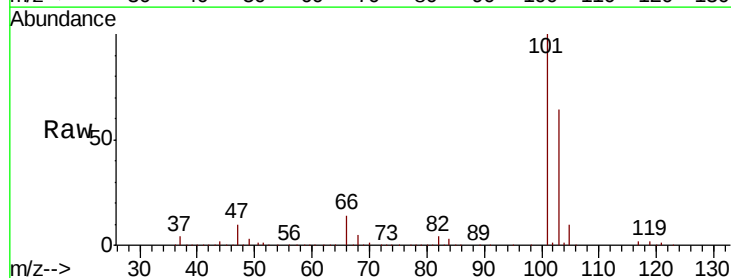
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

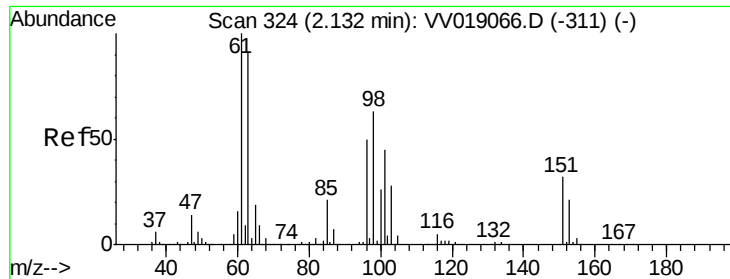
Tot Ion: 64 Resp: 373588
Ion Ratio Lower Upper
64 100
66 31.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 195.736 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

Tgt Ion:101 Resp: 802330
Ion Ratio Lower Upper
101 100
103 64.3 51.7 77.5





#10

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

Concen: 194.752 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

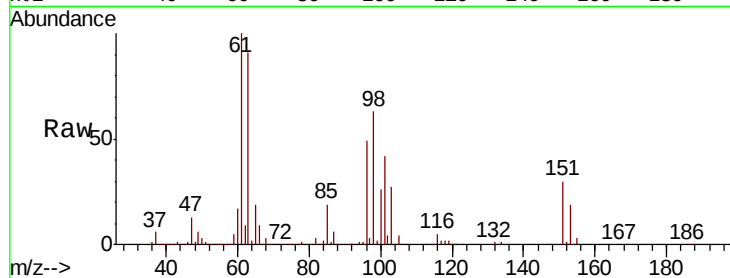
Tot Ion:101 Resp: 416087

Ion Ratio Lower Upper

101 100

85 45.2 36.9 55.3

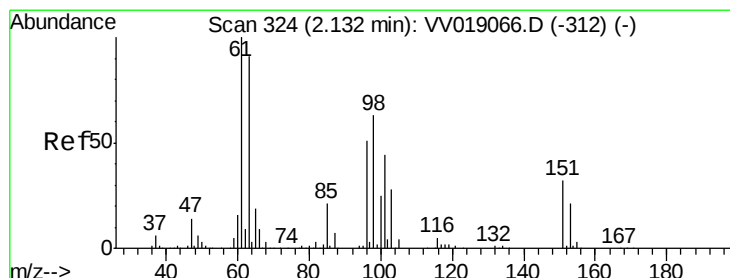
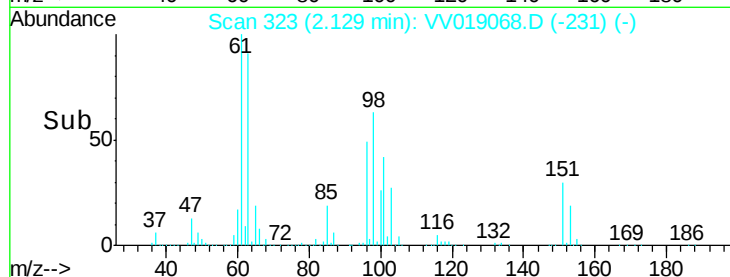
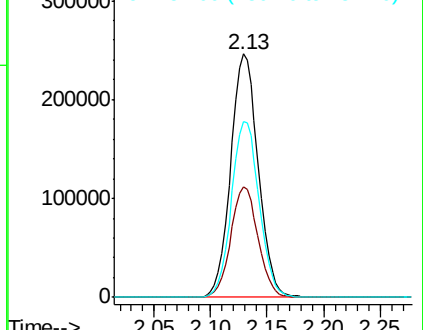
151 72.9 58.2 87.2



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: 199.203 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

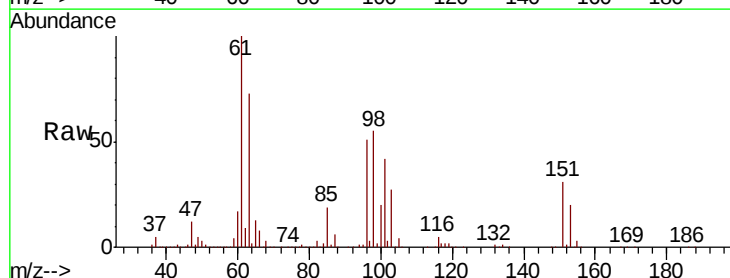
Tgt Ion: 96 Resp: 428842

Ion Ratio Lower Upper

96 100

61 195.1 138.7 257.7

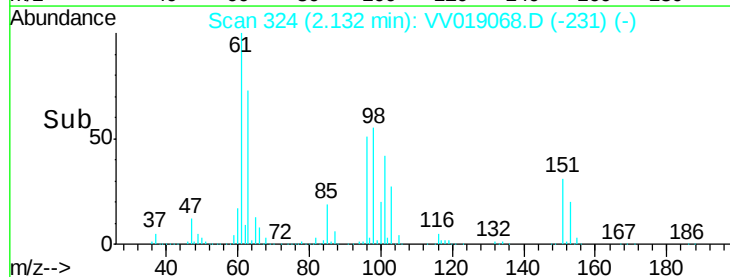
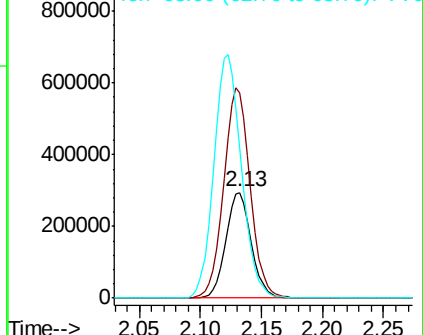
63 142.0 126.3 234.6

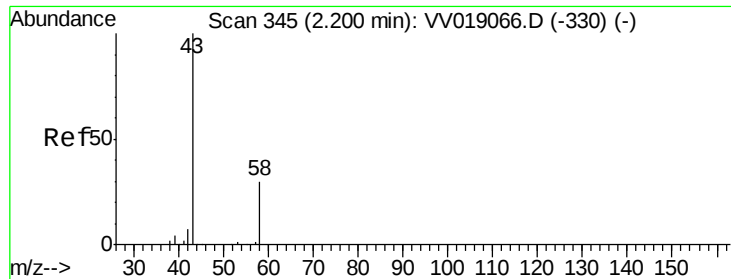


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 377.564 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

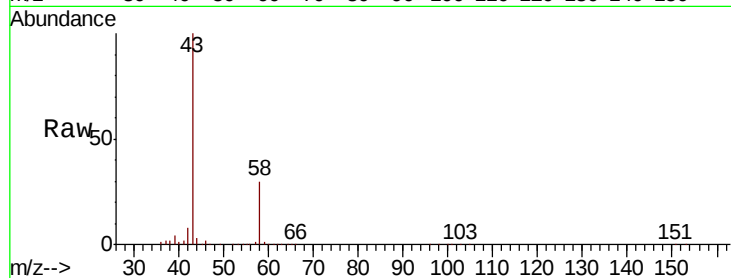
VSTD20065

Tot Ion: 43 Resp: 513831

Ion Ratio Lower Upper

43 100

58 29.7 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019066.D (-330) (-)

2.20

200000

150000

100000

50000

0

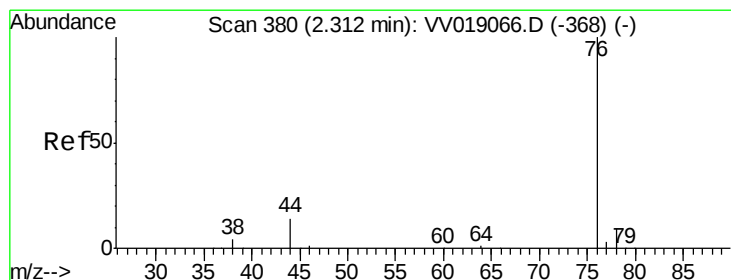
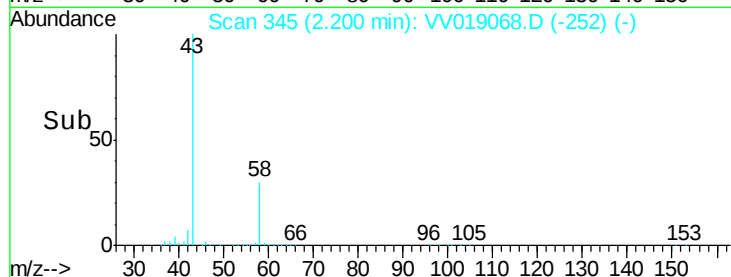
Time-->

2.10

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 194.176 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019068.D

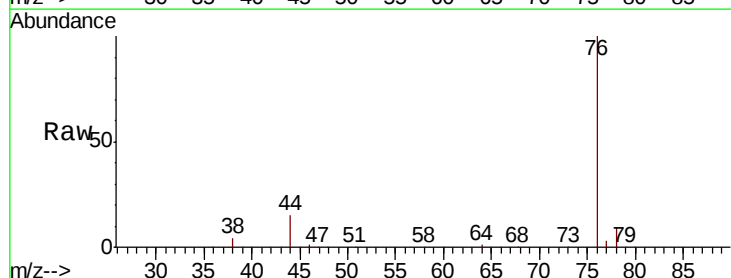
Acq: 22 Oct 2020 13:31

Tgt Ion: 76 Resp: 1415922

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019066.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019066.D (-368) (-)

2.31

1000000

800000

600000

400000

200000

0

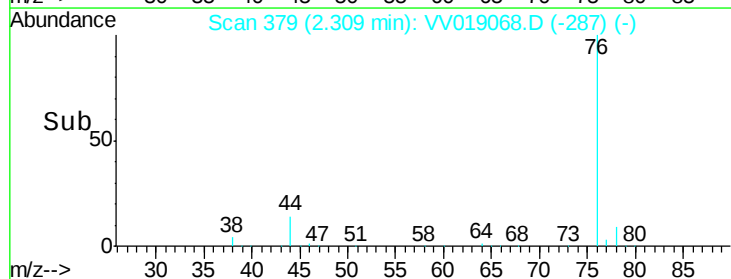
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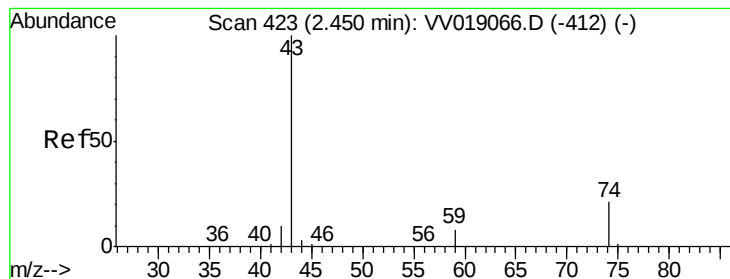
2.25

2.30

2.35

2.40





#15

Methvl Acetate

Concen: 203.600 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

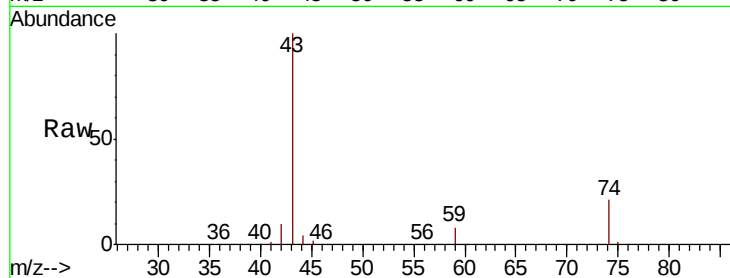
VSTD20065

Tot Ion: 43 Resp: 572126

Ion Ratio Lower Upper

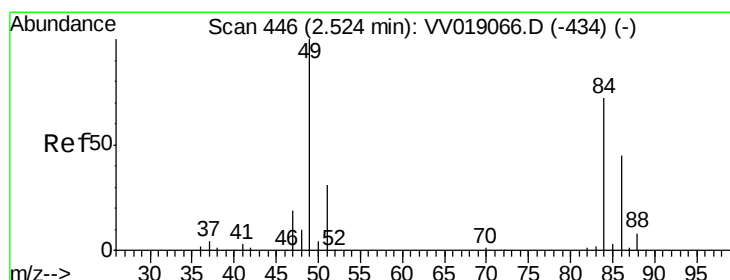
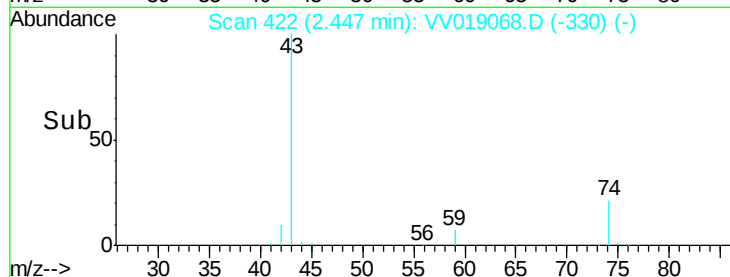
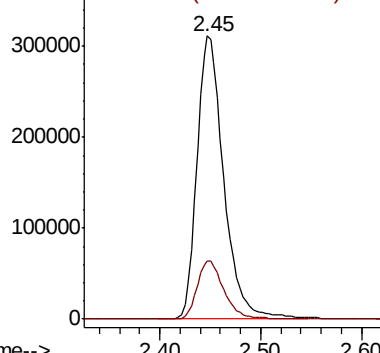
43 100

74 20.7 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 190.439 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

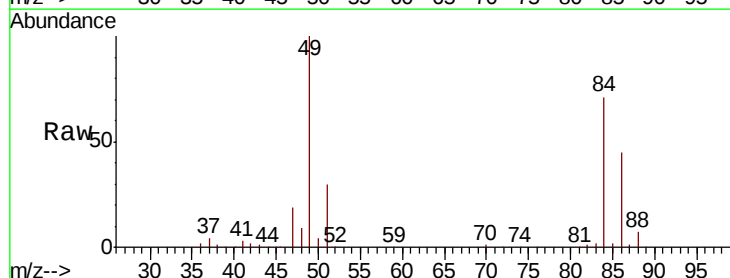
Tgt Ion: 84 Resp: 488794

Ion Ratio Lower Upper

84 100

86 63.6 44.2 82.2

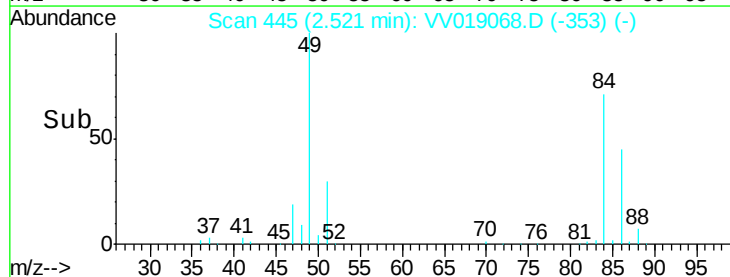
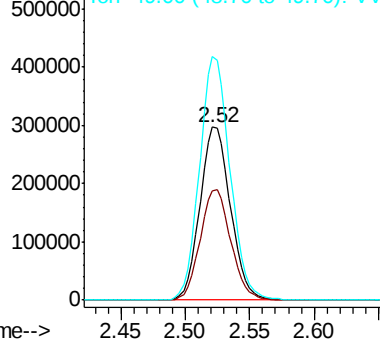
49 141.1 98.0 182.0

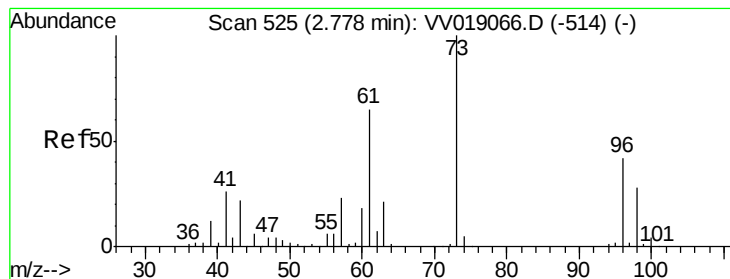


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 196.267 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampled :

VSTD20065

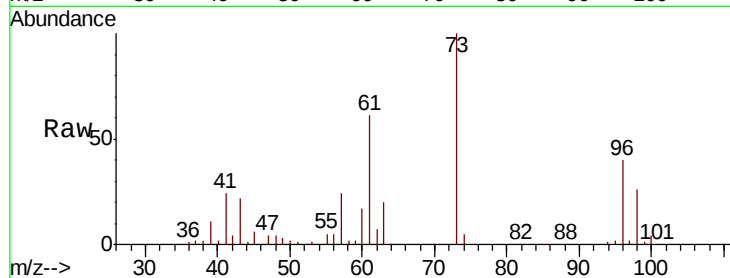
Tot Ion: 96 Resp: 463049

Ion Ratio Lower Upper

96 100

61 152.9 108.6 201.8

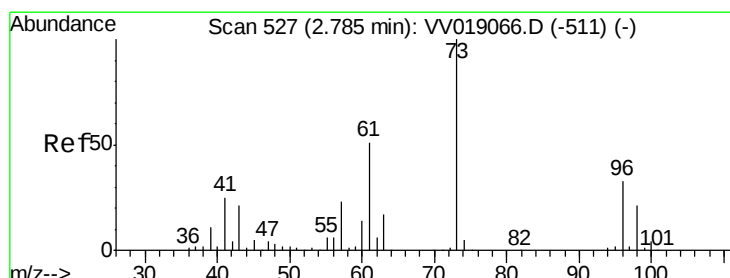
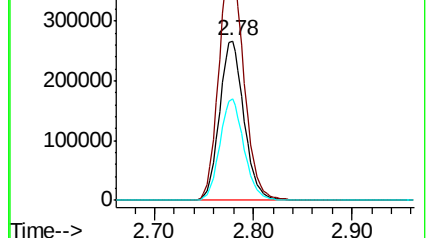
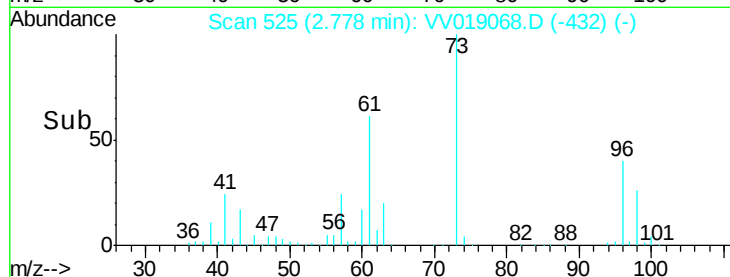
98 63.7 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV019066.D (-514) (-)

Ion 61.00 (60.70 to 61.70): VV019066.D (-514) (-)

Ion 98.00 (97.70 to 98.70): VV019066.D (-514) (-)



#18

Methyl tert-butyl Ether

Concen: 208.154 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

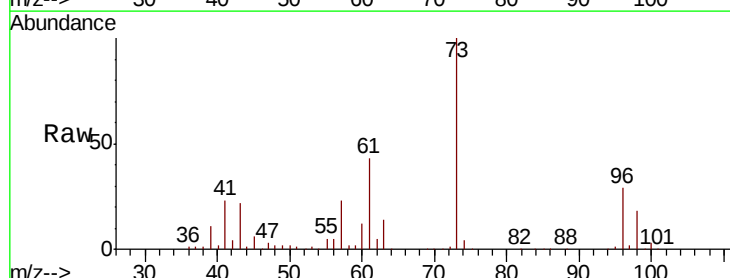
Tgt Ion: 73 Resp: 1560610

Ion Ratio Lower Upper

73 100

43 21.8 17.2 25.8

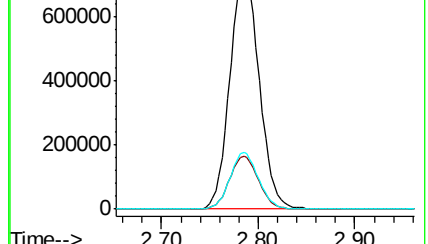
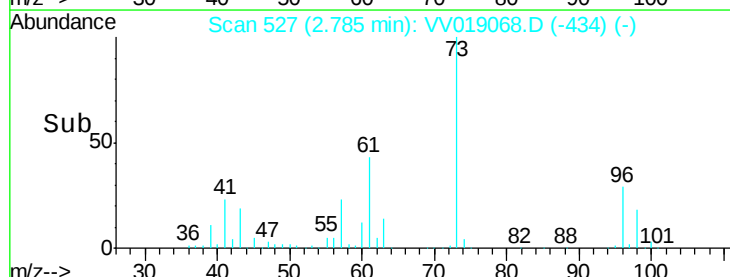
57 23.2 18.5 27.7

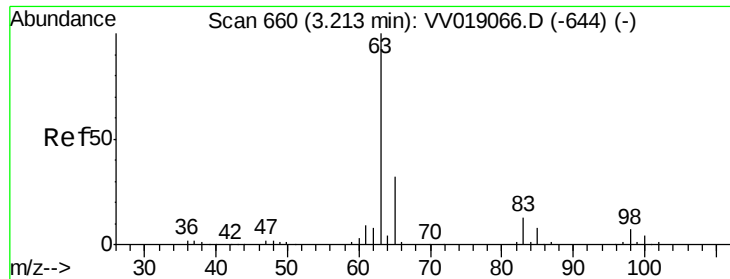


Abundance Ion 73.00 (72.70 to 73.70): VV019066.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV019066.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV019066.D (-511) (-)

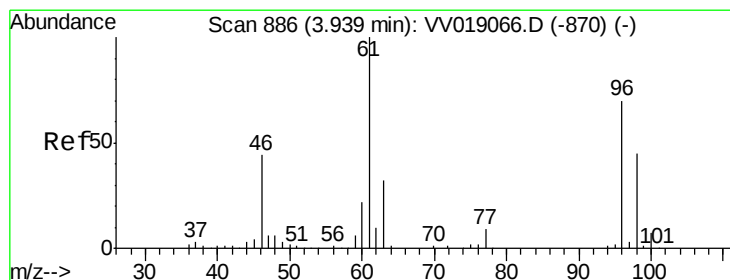
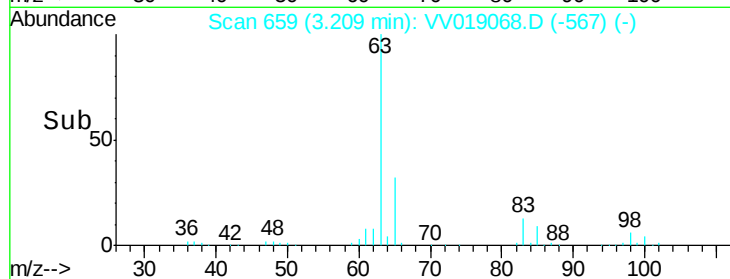
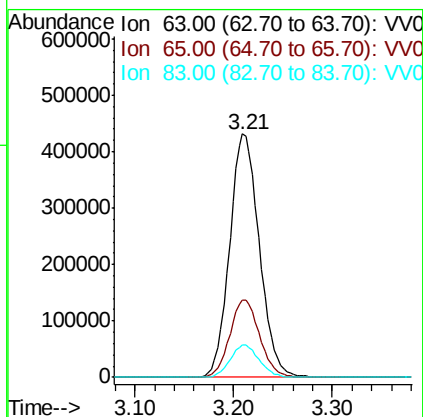
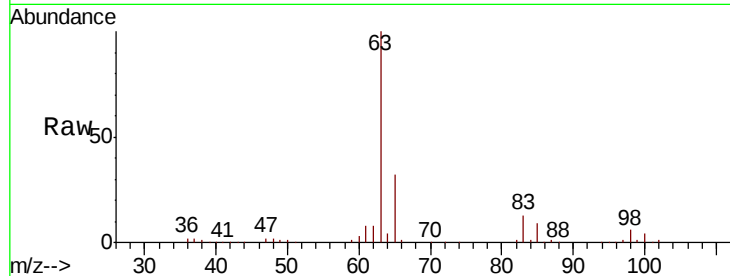




#19
 1,1-Dichloroethane
 Concen: 195.739 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

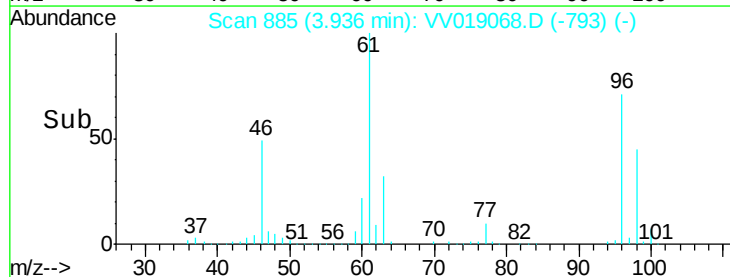
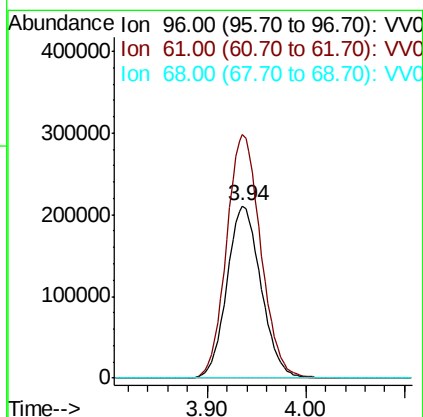
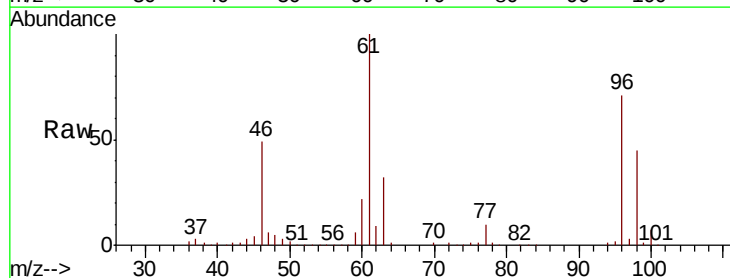
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20065

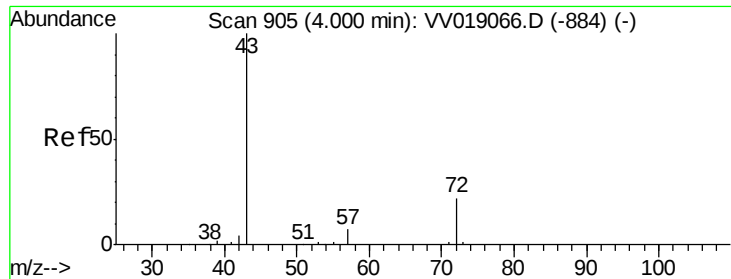
Tot Ion: 63 Resp: 905324
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.7 42.1
 83 13.2 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 202.250 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Tgt Ion: 96 Resp: 505052
 Ion Ratio Lower Upper
 96 100
 61 141.6 99.4 184.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 433.165 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampled :

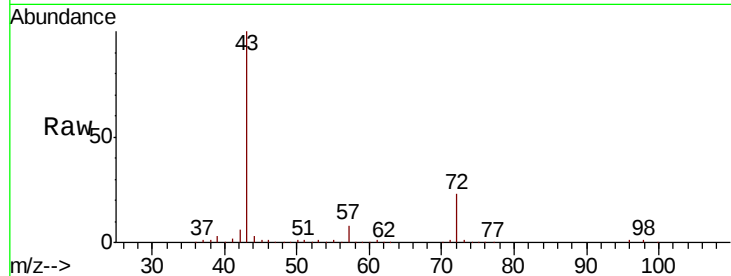
VSTD20065

Tot Ion: 43 Resp: 798022

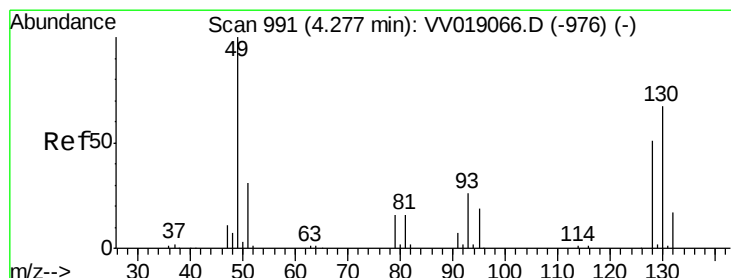
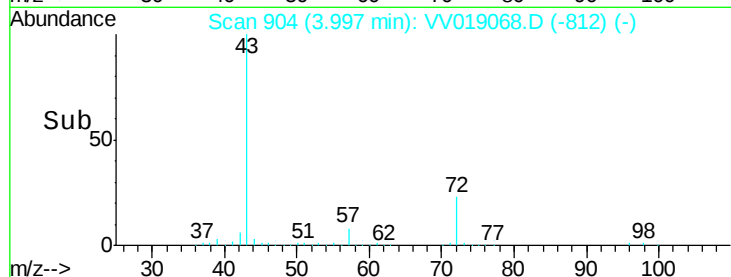
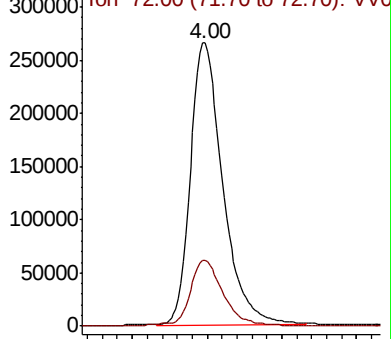
Ion Ratio Lower Upper

43 100

72 22.7 10.8 32.4



Abundance Ion 43.00 (42.70 to 43.70): VV019066.D (-884) (-)



#23

Bromochloromethane

Concen: 194.932 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Tgt Ion:128 Resp: 252057

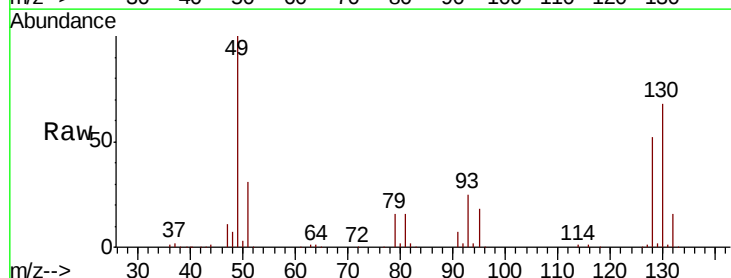
Ion Ratio Lower Upper

128 100

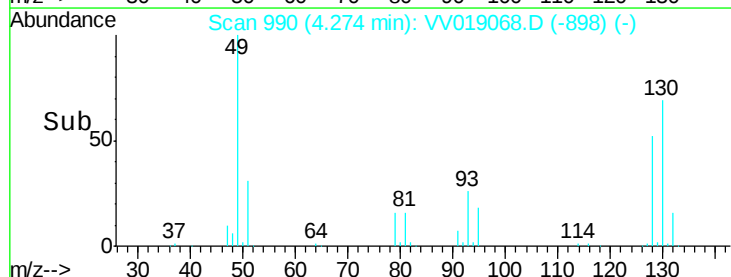
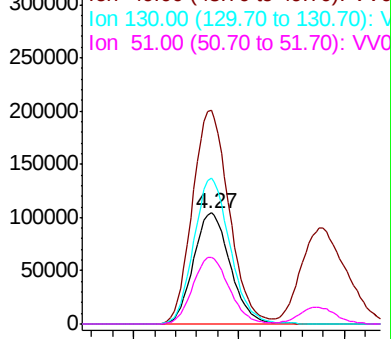
49 192.4 137.1 254.5

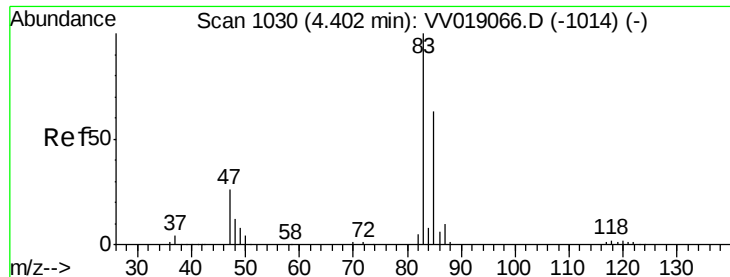
130 131.3 92.0 170.9

51 60.4 49.0 73.4



Abundance Ion 128.00 (127.70 to 128.70): VV019066.D (-976) (-)

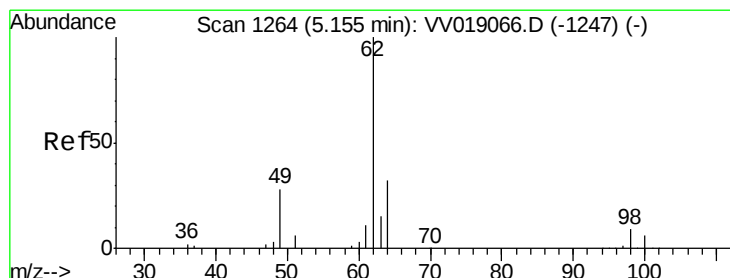
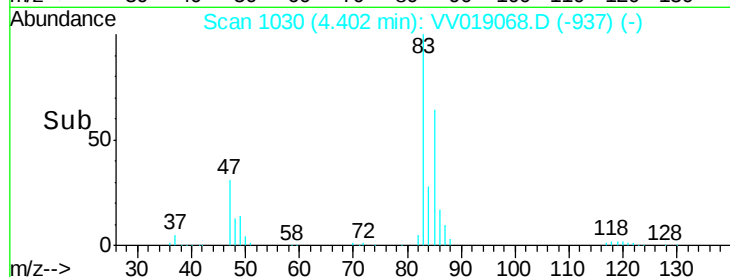
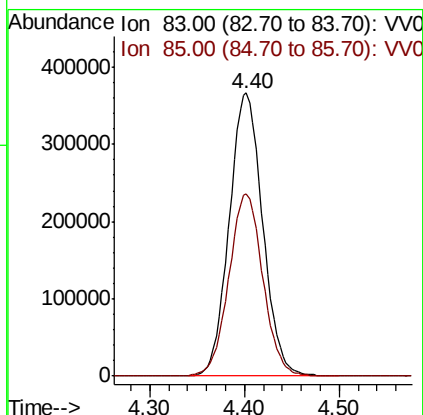
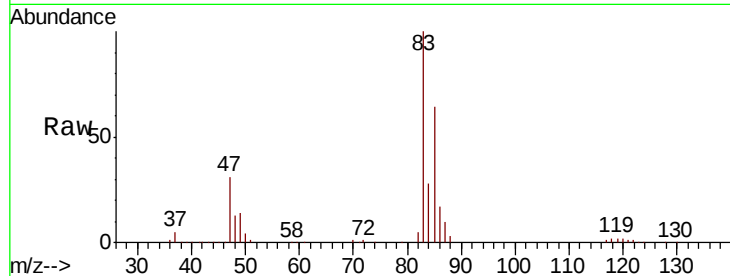




#25
Chloroform
Concen: 194.743 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

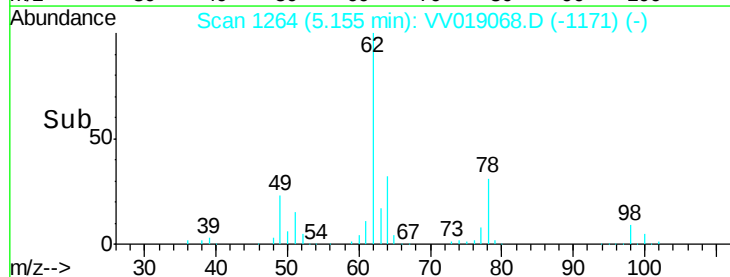
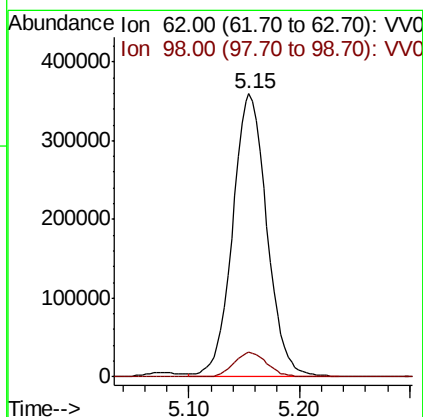
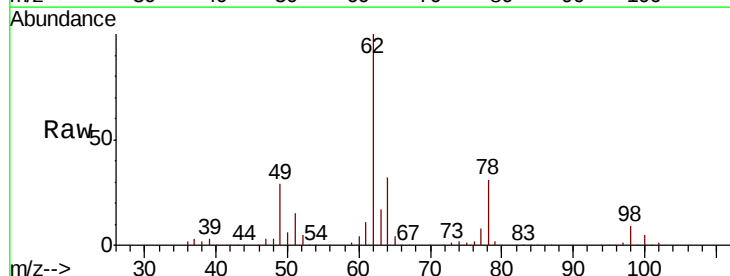
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

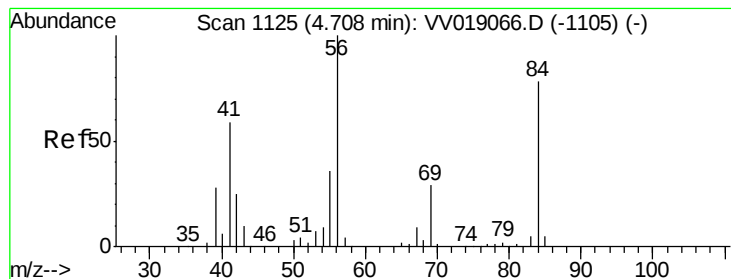
Tot Ion: 83 Resp: 900498
Ion Ratio Lower Upper
83 100
85 64.2 44.5 82.7



#27
1,2-Dichloroethane
Concen: 202.228 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

Tgt Ion: 62 Resp: 768110
Ion Ratio Lower Upper
62 100
98 8.7 6.9 10.3





#29

Cyclohexane

Concen: 212.396 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

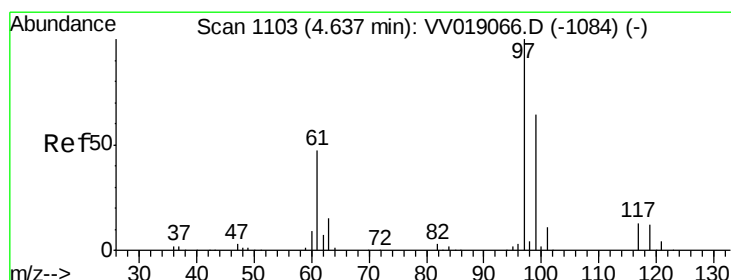
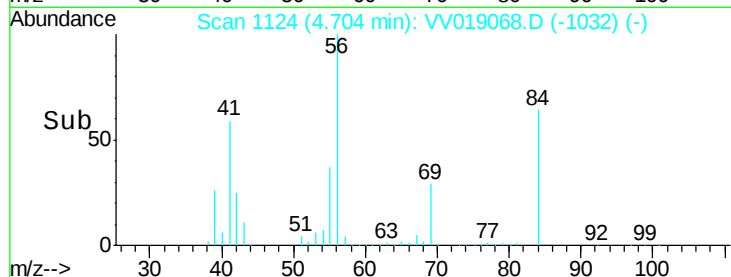
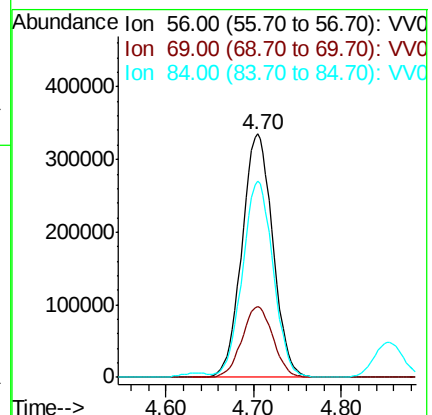
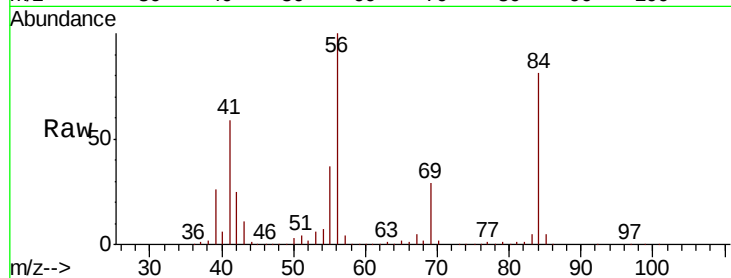
Tot Ion: 56 Resp: 818528

Ion Ratio Lower Upper

56 100

69 29.3 22.7 34.1

84 80.2 63.5 95.3



#30

1,1,1-Trichloroethane

Concen: 201.146 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

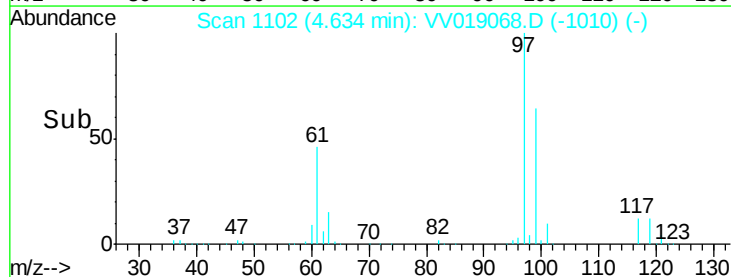
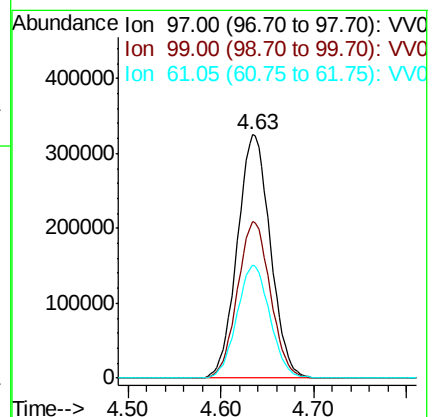
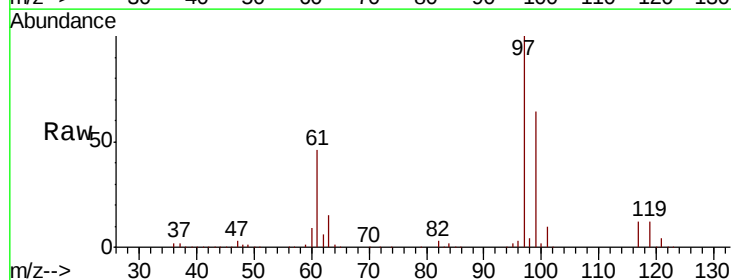
Tgt Ion: 97 Resp: 802039

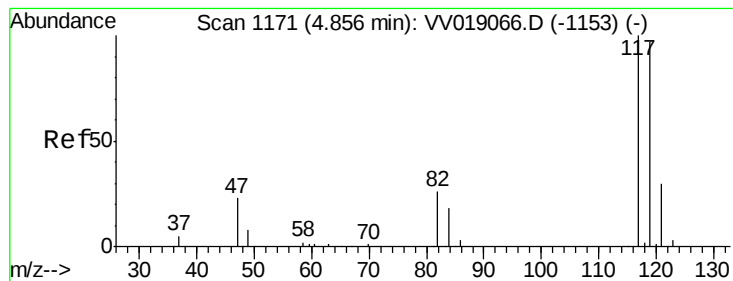
Ion Ratio Lower Upper

97 100

99 64.2 50.5 75.7

61 46.6 38.1 57.1





#31

Carbon tetrachloride

Concen: 203.558 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

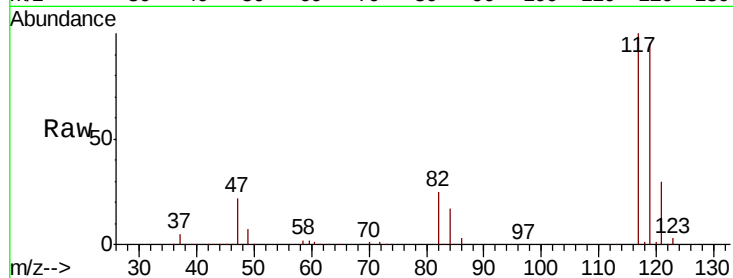
VSTD20065

Tot Ion:117 Resp: 692818

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

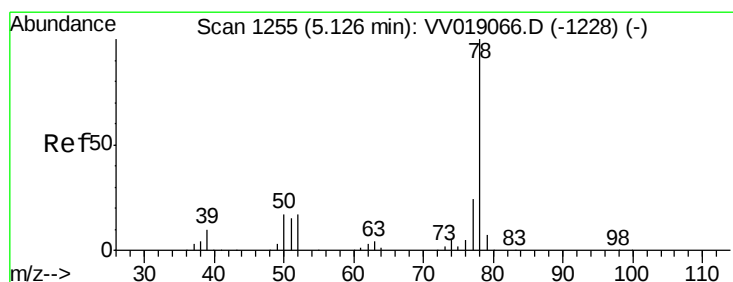
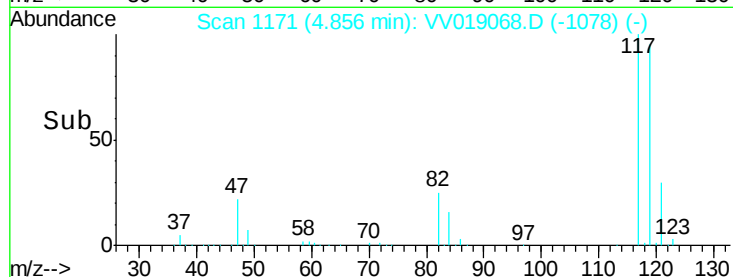
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 200.950 ug/L

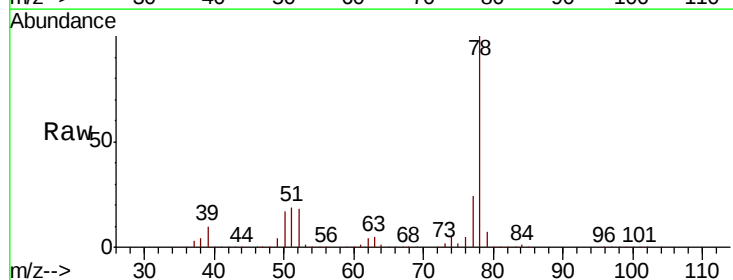
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Tgt Ion: 78 Resp: 1972693



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.13

1000000

800000

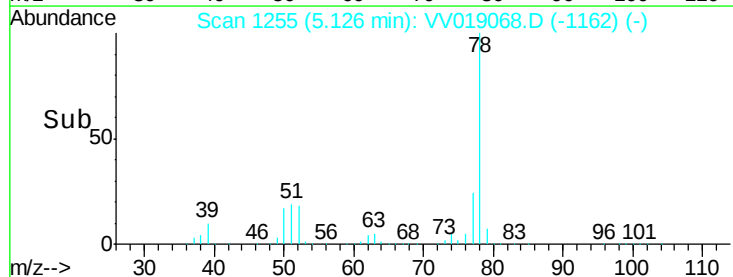
600000

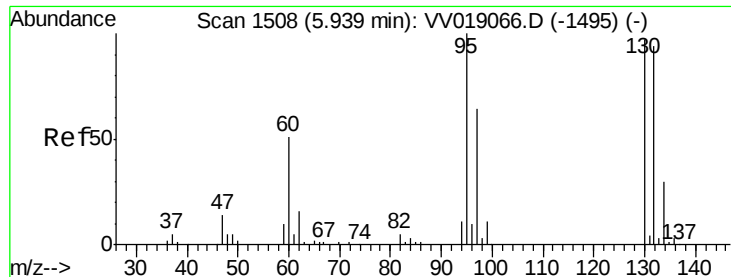
400000

200000

0

Time-->

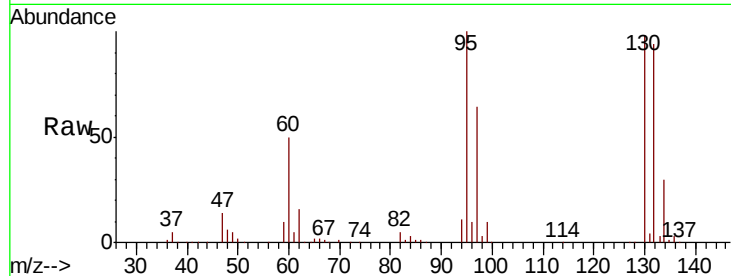




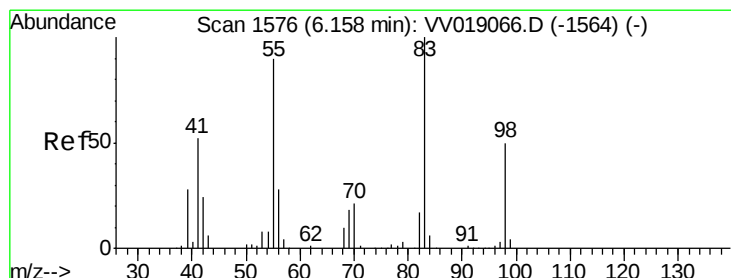
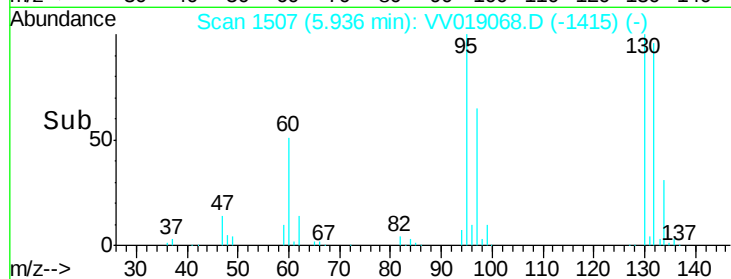
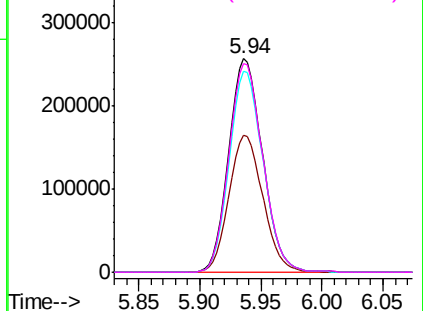
#34
 Trichloroethene
 Concen: 178.783 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Tot Ion: 95 Resp: 495728
 Ion Ratio Lower Upper
 95 100
 97 64.2 44.6 82.8
 132 94.2 66.0 122.6
 130 98.0 67.6 125.6

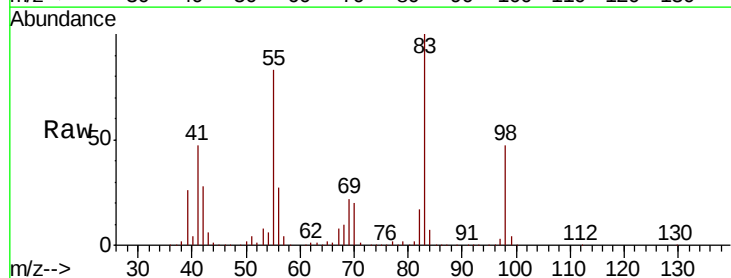


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

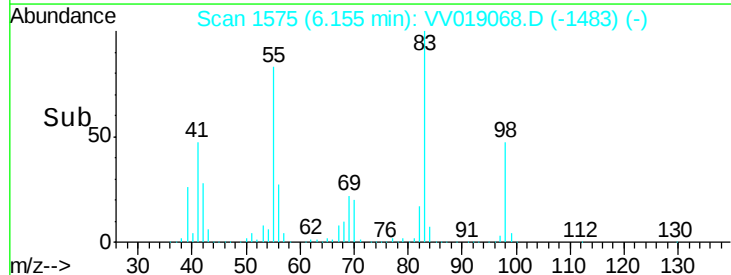
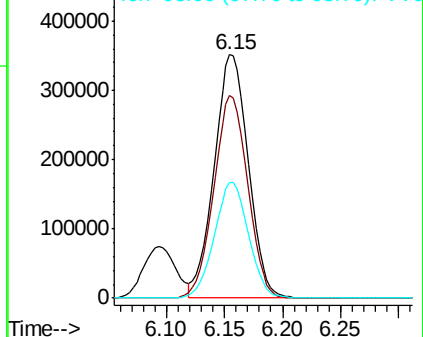


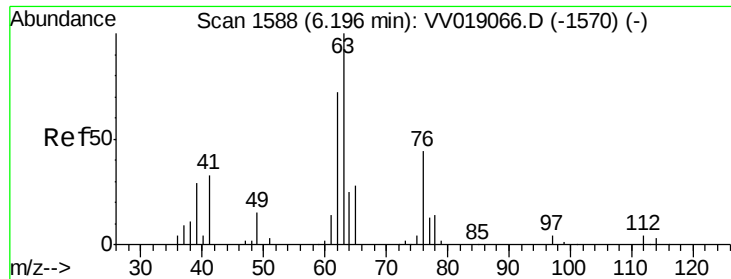
#35
 Methylcyclohexane
 Concen: 207.100 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Tgt Ion: 83 Resp: 719497
 Ion Ratio Lower Upper
 83 100
 55 82.7 68.1 102.1
 98 47.4 37.9 56.9



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

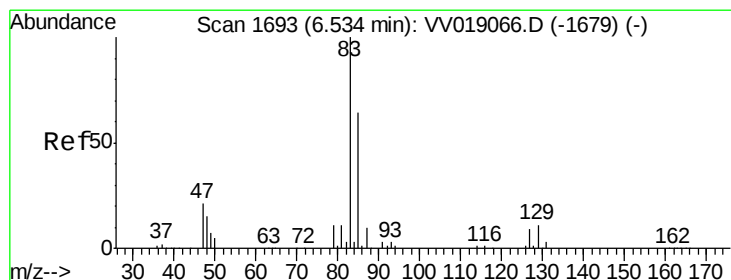
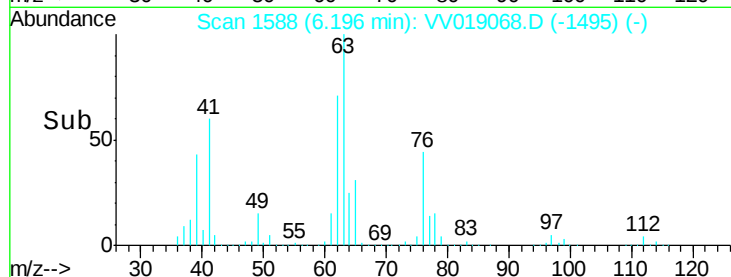
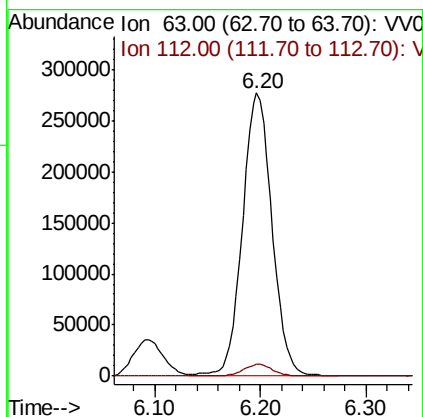
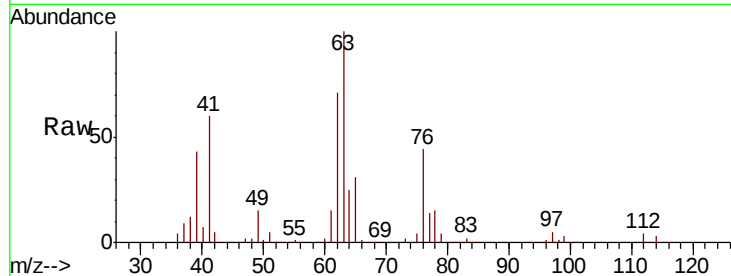




#37
 1,2-Dichloropropane
 Concen: 204.947 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

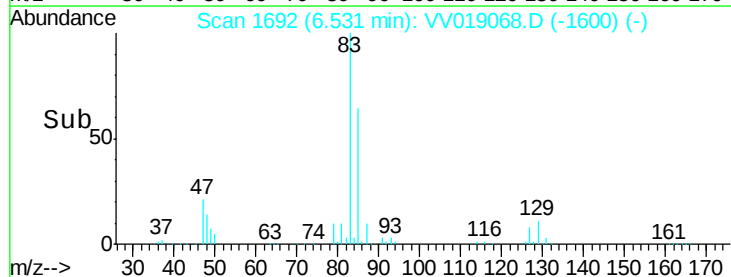
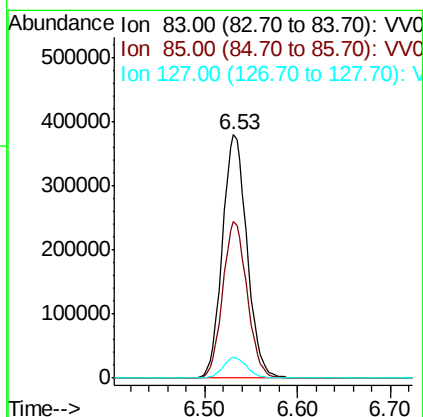
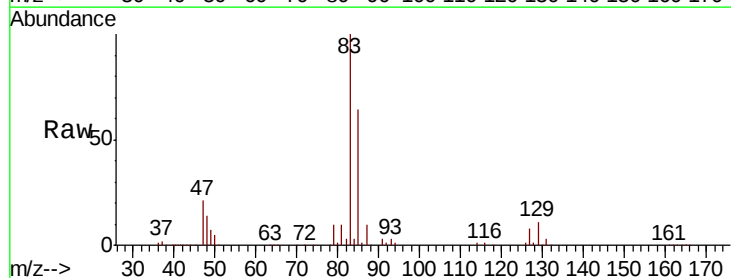
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

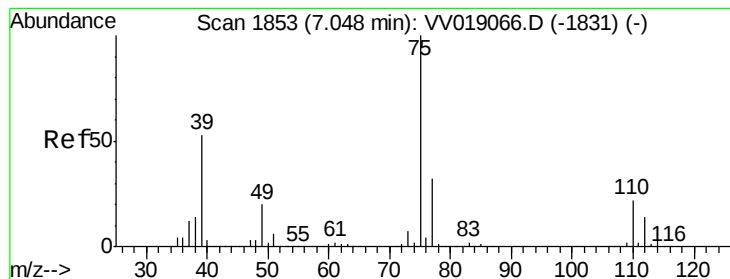
Tot Ion: 63 Resp: 537576
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 206.633 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Tgt Ion: 83 Resp: 696225
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.9 83.3
 127 8.4 7.0 10.4



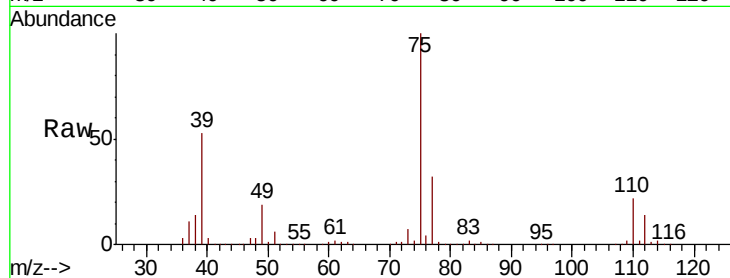


#39

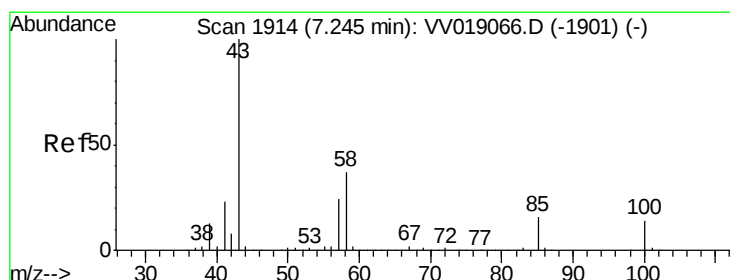
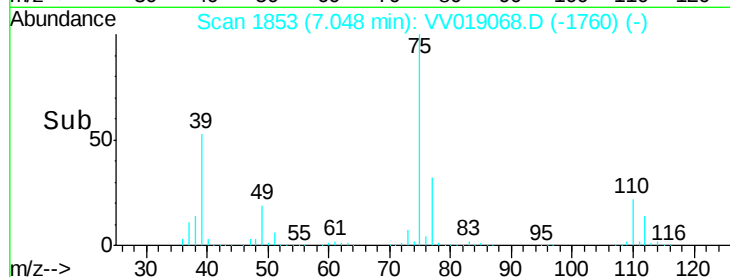
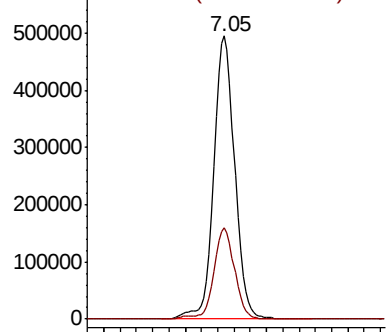
cis-1,3-Dichloropropene
Concen: 221.510 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

Instrument :
MSVOA_V
ClientSampled :
VSTD20065

Tot Ion: 75 Resp: 878076
Ion Ratio Lower Upper
75 100
77 32.1 22.1 41.1



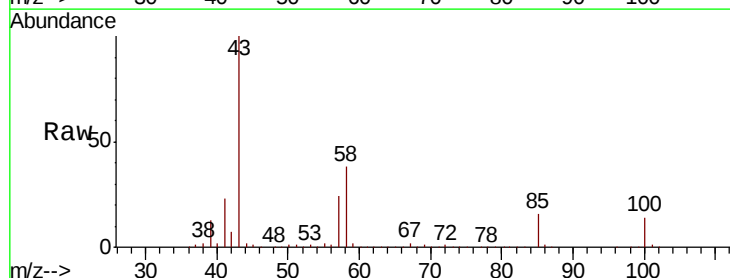
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



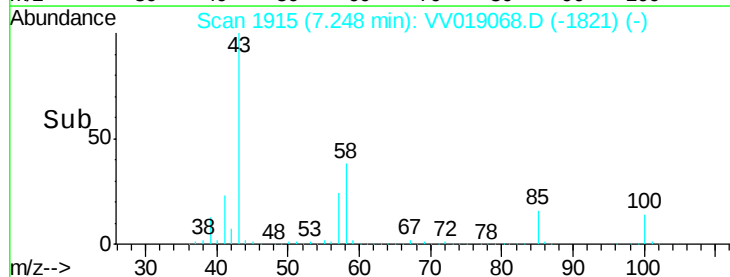
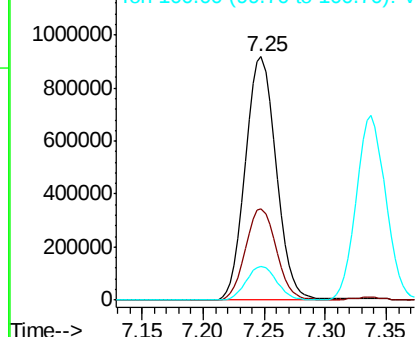
#40

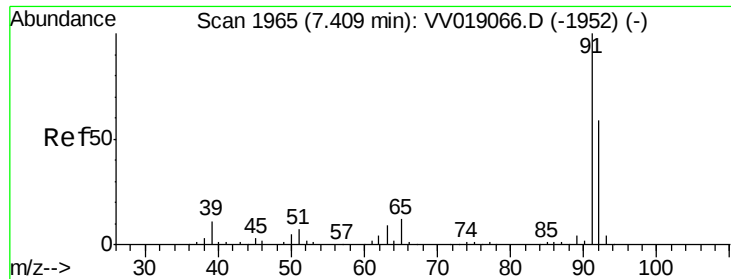
4-Methyl-2-pentanone
Concen: 441.542 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

Tgt Ion: 43 Resp: 1598257
Ion Ratio Lower Upper
43 100
58 37.5 29.6 44.4
100 13.8 10.9 16.3



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





#42

Toluene

Concen: 206.928 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

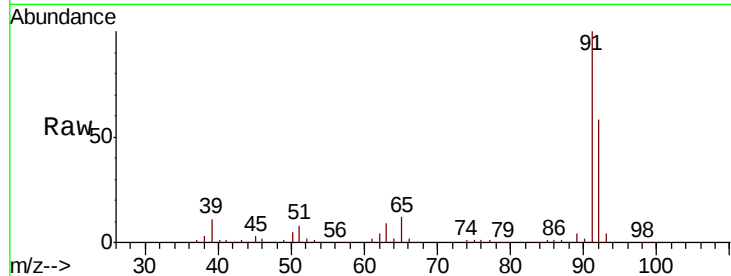
VSTD20065

Tot Ion: 91 Resp: 2087613

Ion Ratio Lower Upper

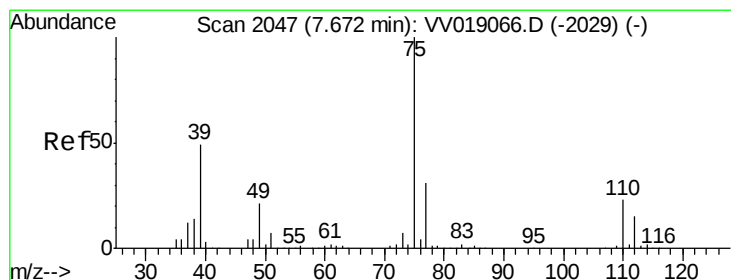
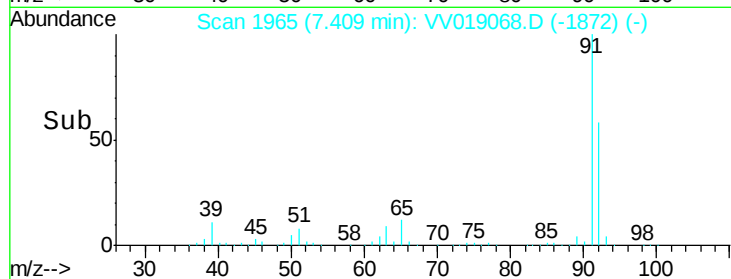
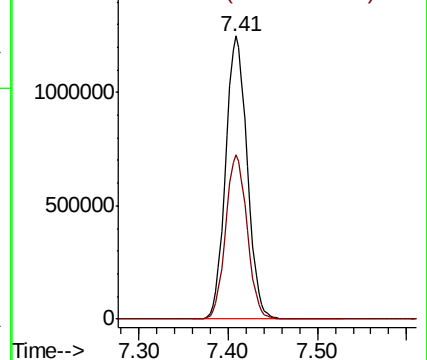
91 100

92 58.2 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV019066.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV019066.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 226.659 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019068.D

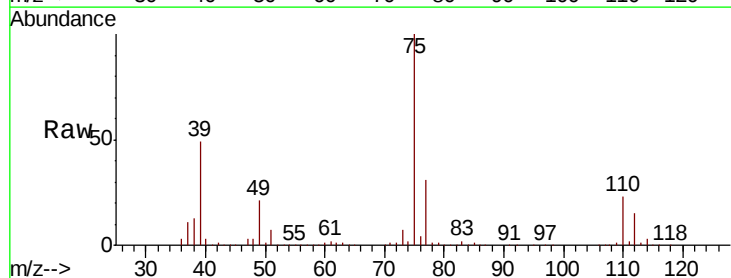
Acq: 22 Oct 2020 13:31

Tgt Ion: 75 Resp: 868749

Ion Ratio Lower Upper

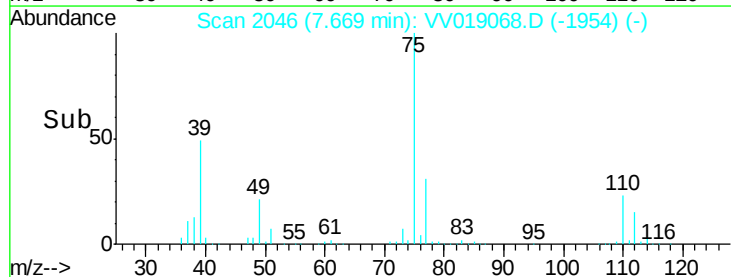
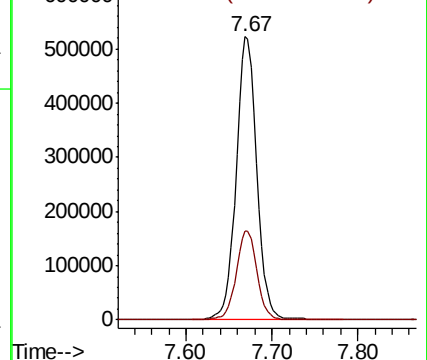
75 100

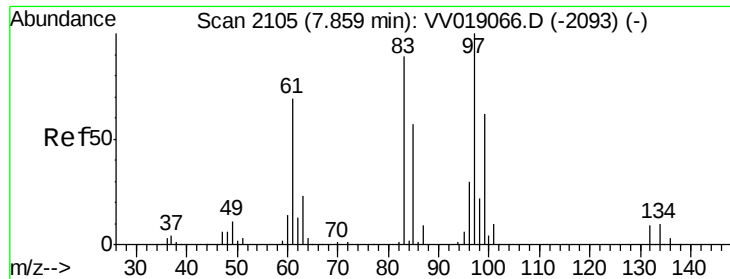
77 31.3 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV019066.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2029) (-)

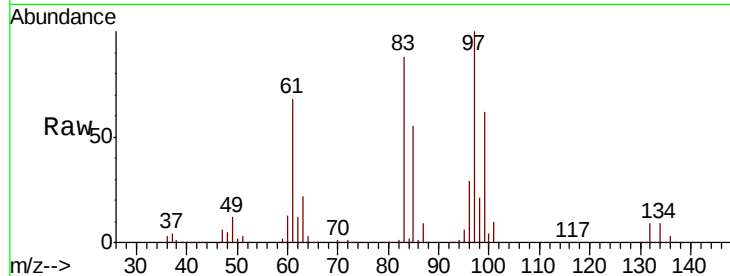




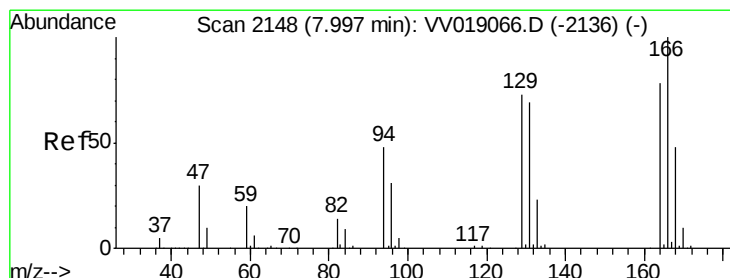
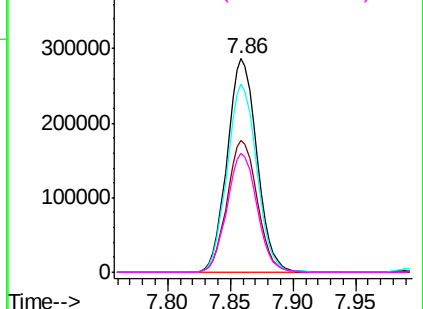
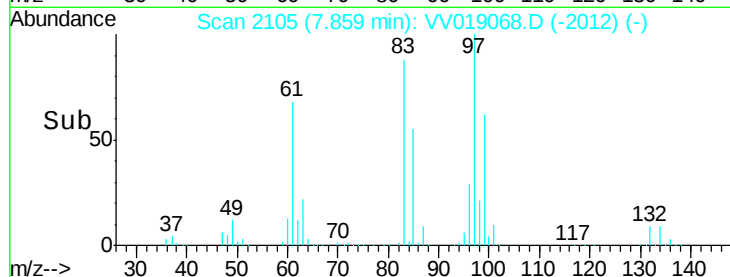
#45
 1,1,2-Trichloroethane
 Concen: 194.420 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Tot Ion:	97	Resp:	472120
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.5	80.9
83	88.0	62.2	115.4
85	55.5	39.9	74.1

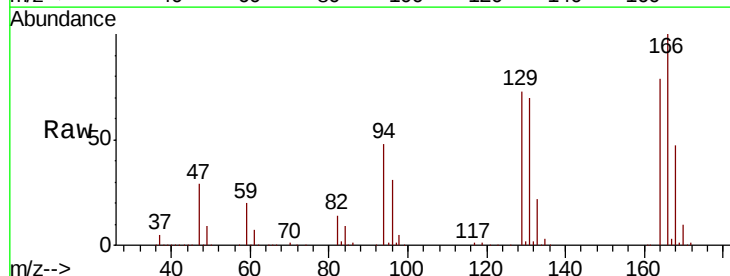


Abundance Ion 97.00 (96.70 to 97.70): VV019068.D (-2012) (-)

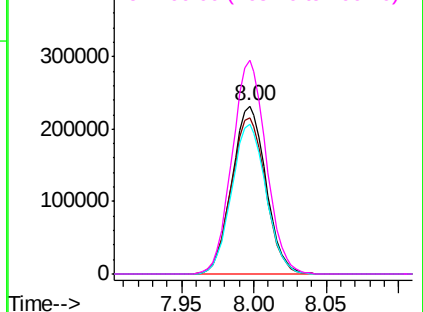
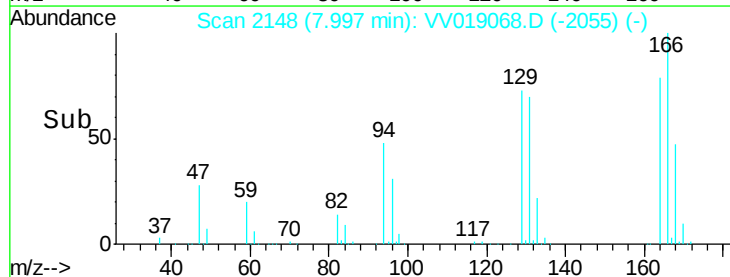


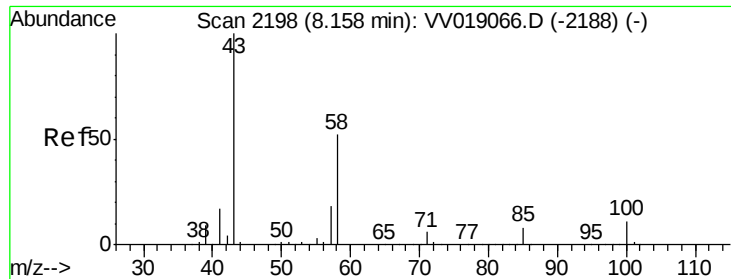
#46
 Tetrachloroethene
 Concen: 190.044 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Tgt Ion:	164	Resp:	377770
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.5	121.6
131	89.2	62.4	115.8
166	127.2	90.0	167.2



Abundance Ion 164.00 (163.70 to 164.70): VV019068.D (-2055) (-)



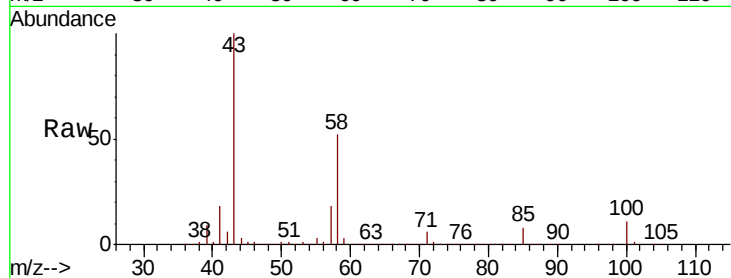


#48
2-Hexanone
Concen: 434.550 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Tot Ion: 43 Resp: 1242796

Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.1	61.7
57	18.2	14.7	22.1
100	11.0	8.6	12.8

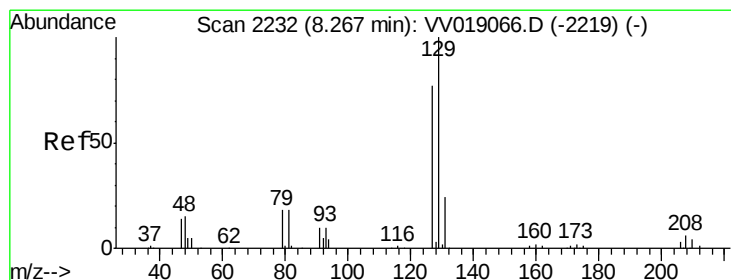
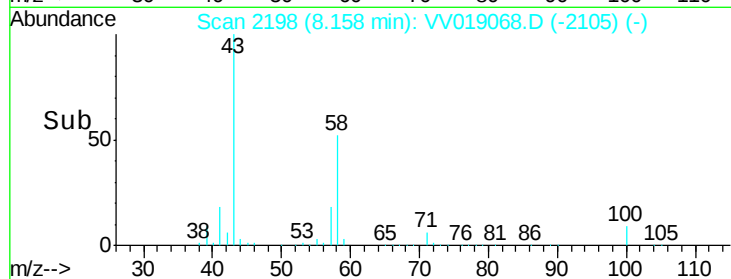
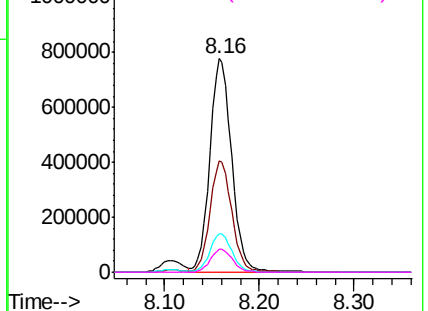


Abundance Ion 43.00 (42.70 to 43.70): VV019068.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VV019068.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VV019068.D (-2198) (-)

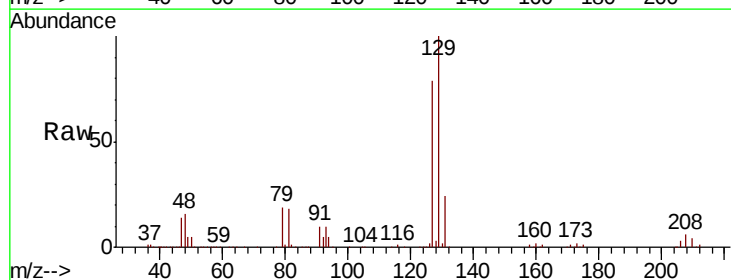
Ion 100.00 (99.70 to 100.70): VV019068.D (-2198) (-)



#49
Dibromochloromethane
Concen: 211.296 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019068.D
Acq: 22 Oct 2020 13:31

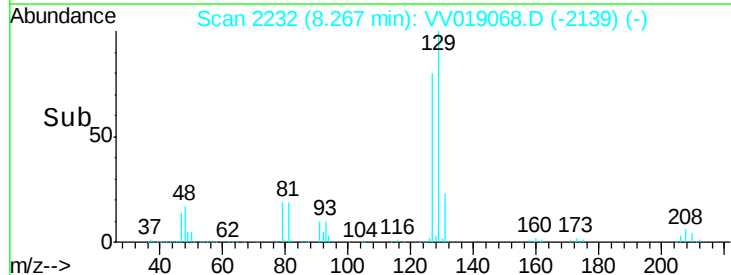
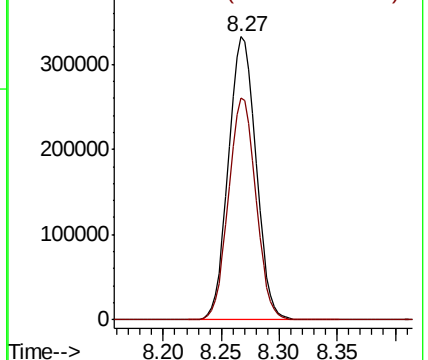
Tgt Ion: 129 Resp: 546905

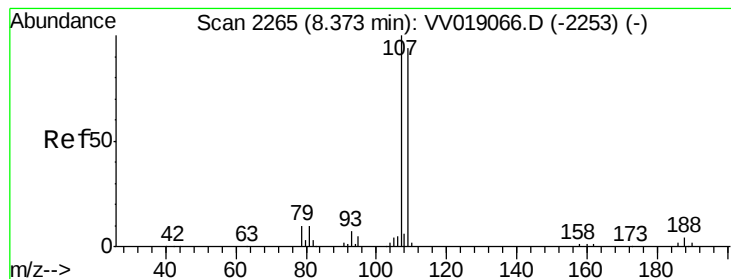
Ion	Ratio	Lower	Upper
129	100		
127	78.5	53.7	99.7



Abundance Ion 129.00 (128.70 to 129.70): VV019068.D (-2232) (-)

Ion 127.00 (126.70 to 127.70): VV019068.D (-2232) (-)





#50

1,2-Dibromoethane

Concen: 198.530 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

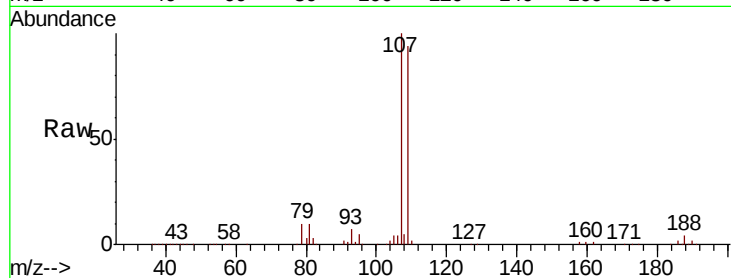
Tot Ion:107 Resp: 501875

Ion Ratio Lower Upper

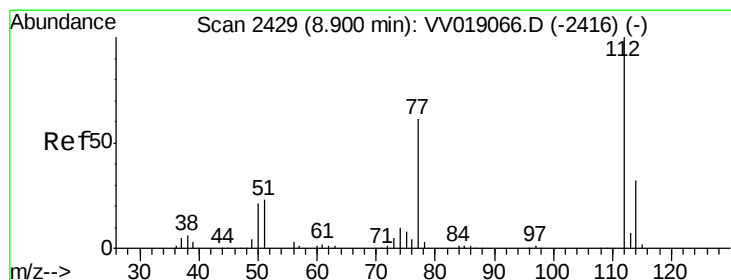
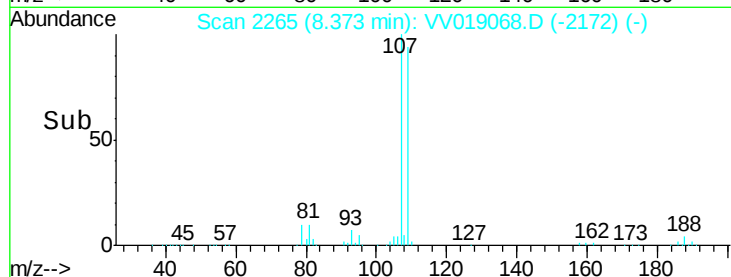
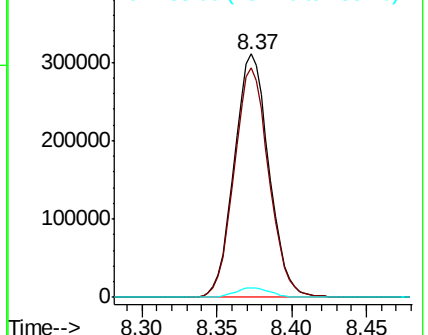
107 100

109 94.1 66.1 122.7

188 4.0 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 196.963 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

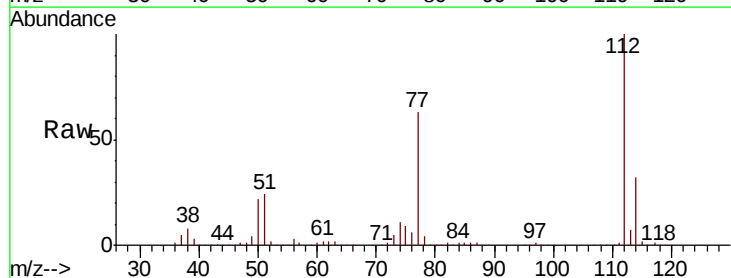
Tgt Ion:112 Resp: 1295123

Ion Ratio Lower Upper

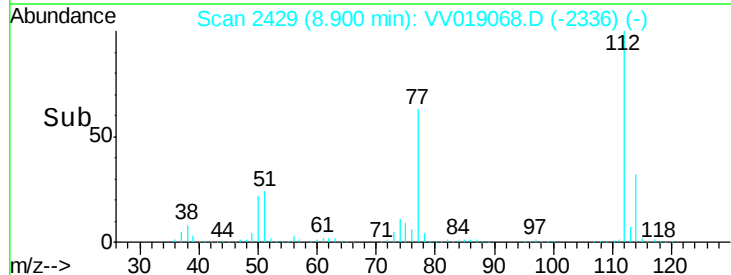
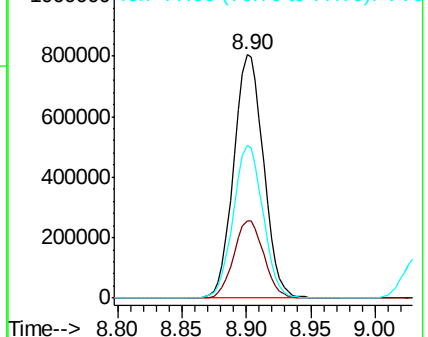
112 100

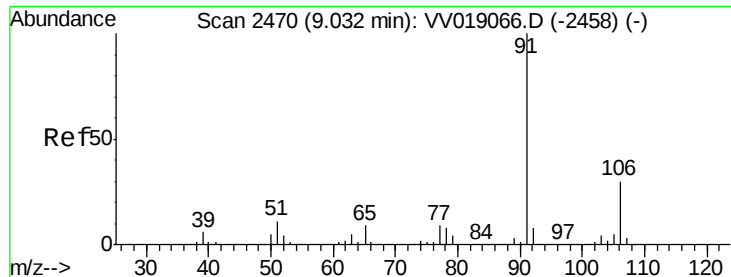
114 32.0 22.2 41.2

77 62.9 49.1 73.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 212.018 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

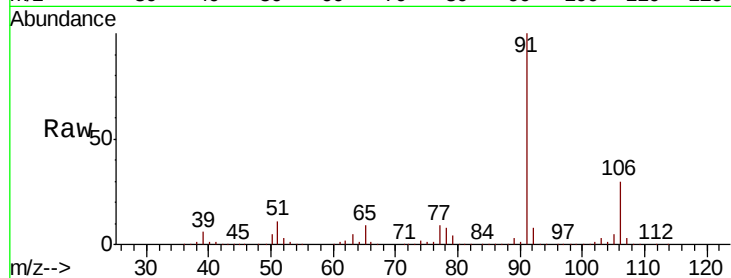
VSTD20065

Tot Ion: 91 Resp: 2317155

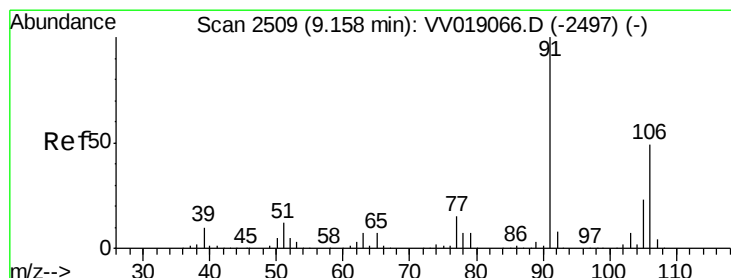
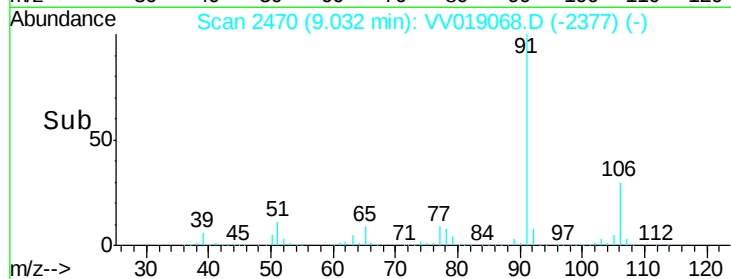
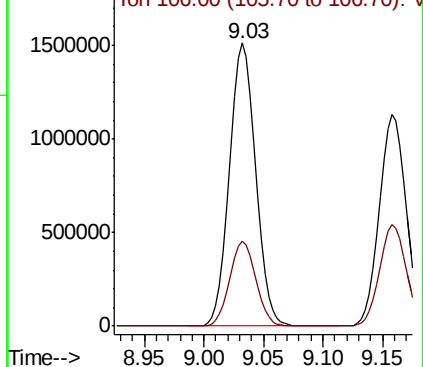
Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019066.D (-2458) (-)



#53

m,p-Xylene

Concen: 208.532 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019068.D

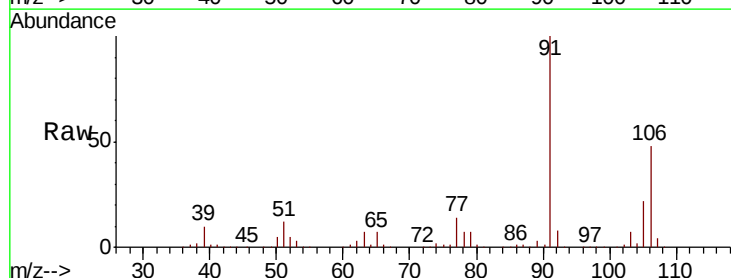
Acq: 22 Oct 2020 13:31

Tgt Ion: 106 Resp: 850050

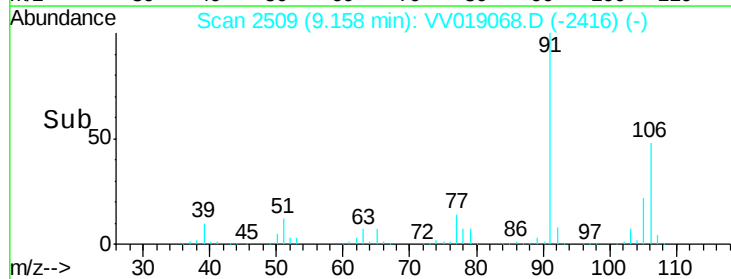
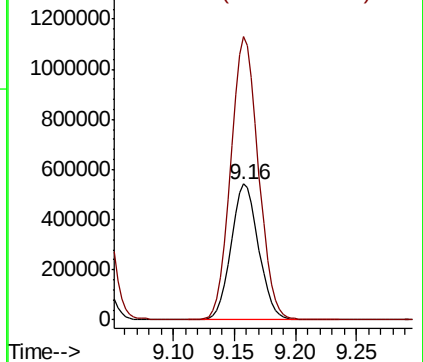
Ion Ratio Lower Upper

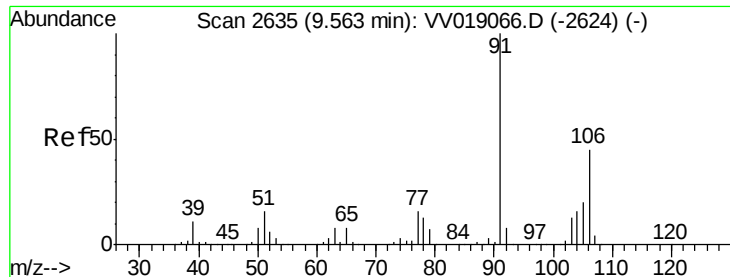
106 100

91 208.5 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019066.D (-2497) (-)





#54

o-xylene

Concen: 213.715 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

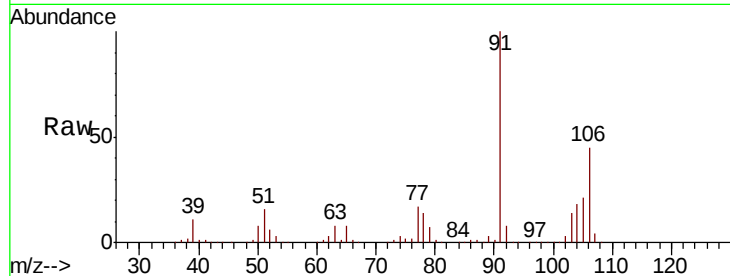
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Tot Ion:106 Resp: 832201

Ion Ratio Lower Upper

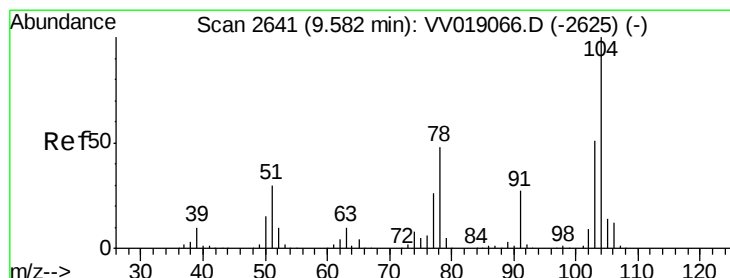
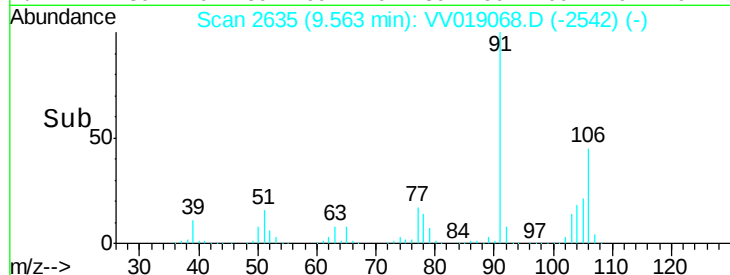
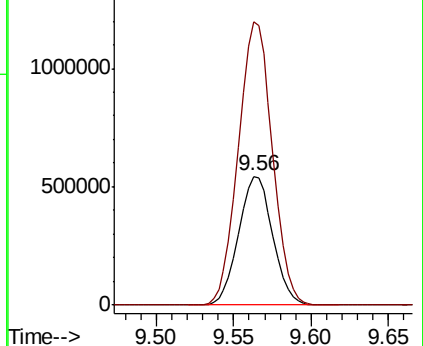
106 100

91 219.8 154.3 286.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 218.242 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019068.D

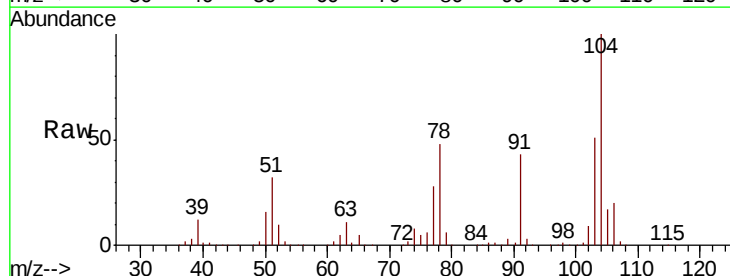
Acq: 22 Oct 2020 13:31

Tgt Ion:104 Resp: 1497325

Ion Ratio Lower Upper

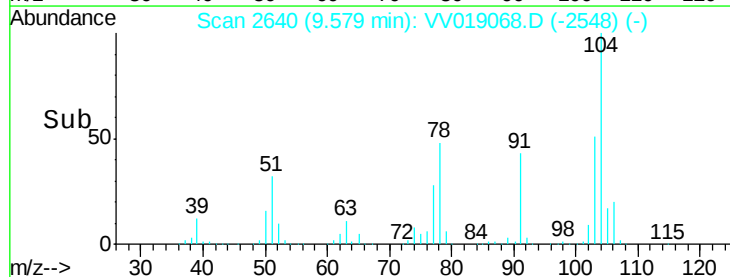
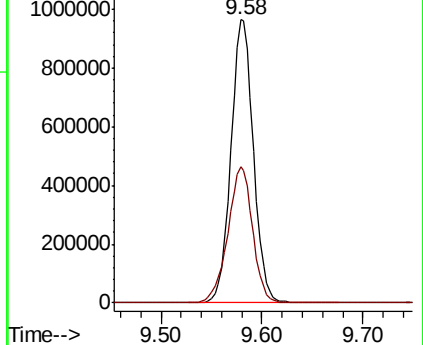
104 100

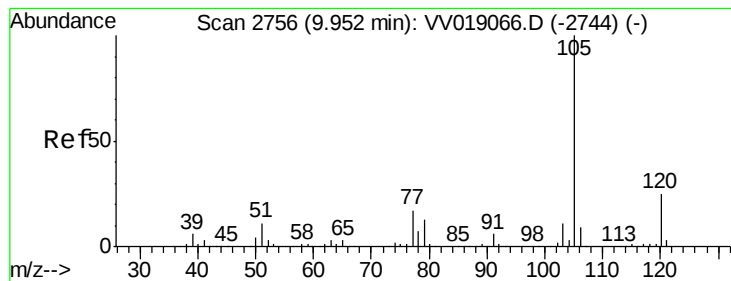
78 48.2 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 212.989 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

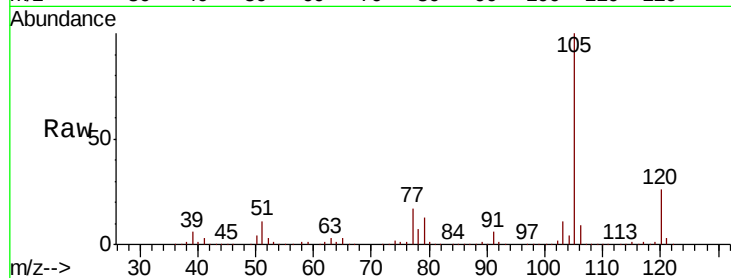
Tot Ion:105 Resp: 2180303

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

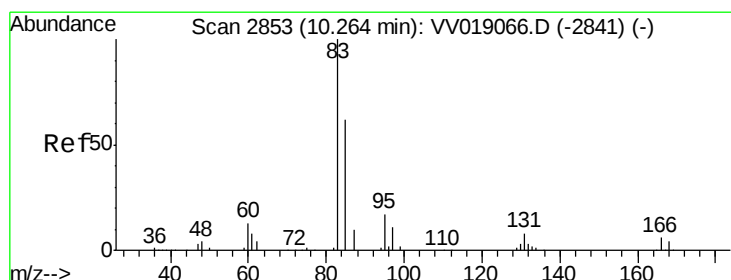
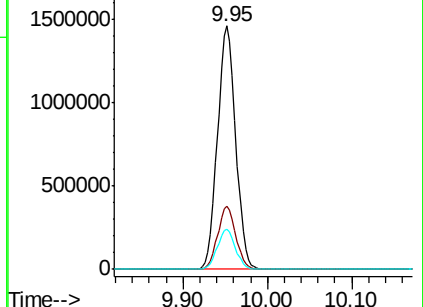
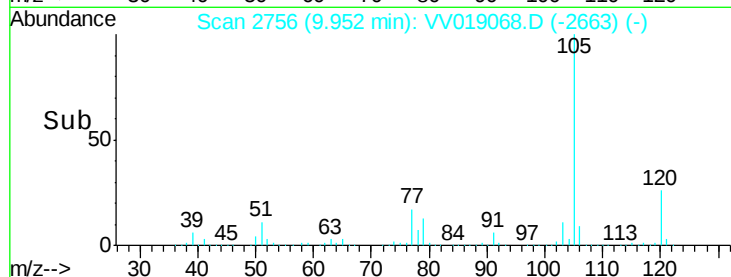
77 16.6 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): VV019066.D (-2744) (-)

Ion 120.00 (119.70 to 120.70): VV019066.D (-2744) (-)

Ion 77.00 (76.70 to 77.70): VV019066.D (-2744) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 227.619 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

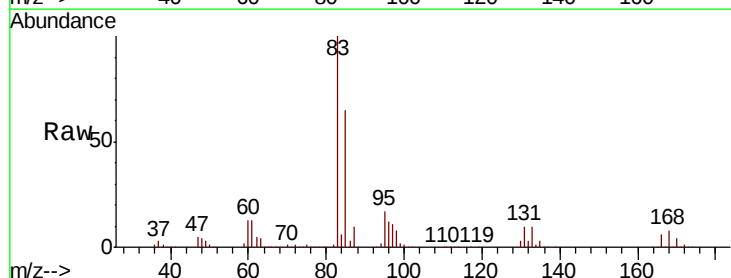
Tgt Ion: 83 Resp: 777600

Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.2

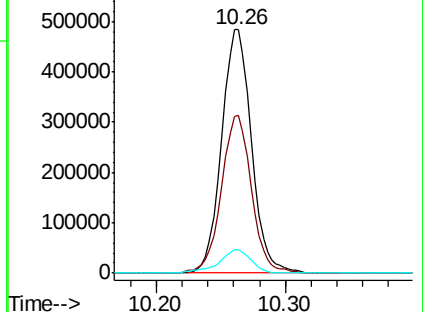
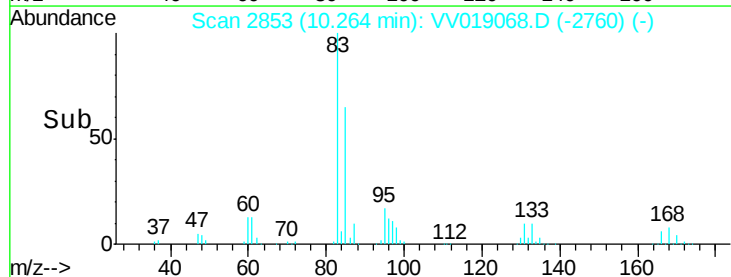
131 9.6 7.4 11.2

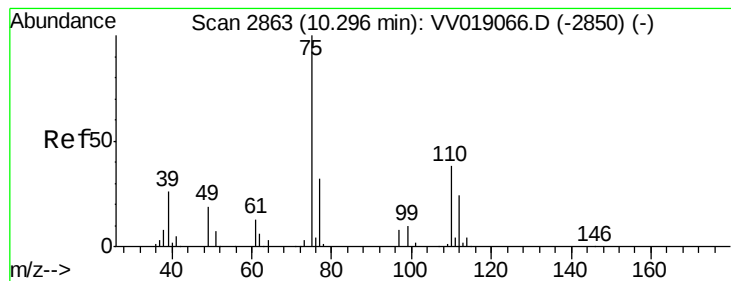


Abundance Ion 83.00 (82.70 to 83.70): VV019066.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV019066.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV019066.D (-2841) (-)





#59

1,2,3-Trichloropropane

Concen: 199.289 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

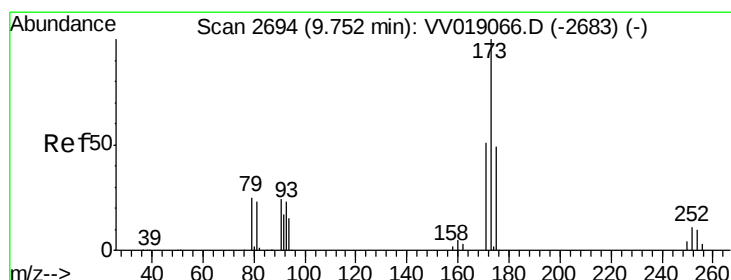
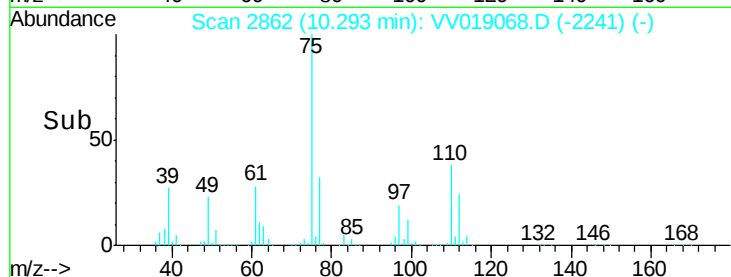
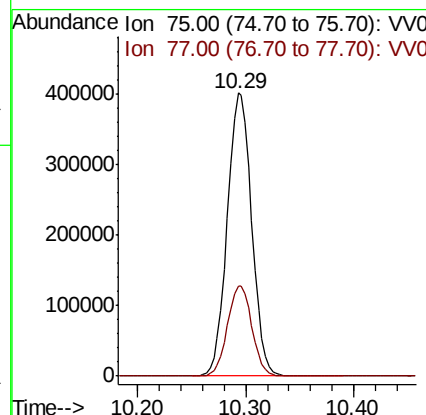
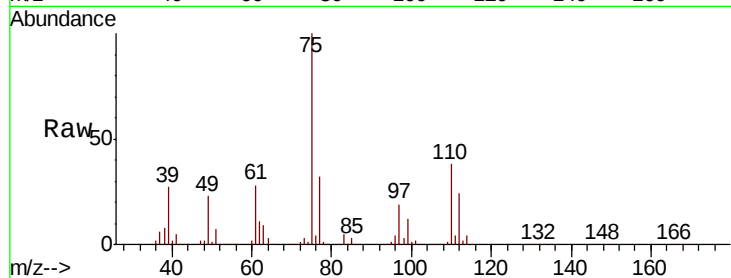
VSTD20065

Tot Ion: 75 Resp: 631821

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9



#61

Bromoform

Concen: 216.664 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

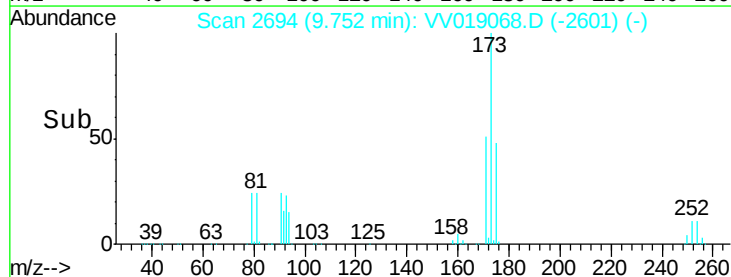
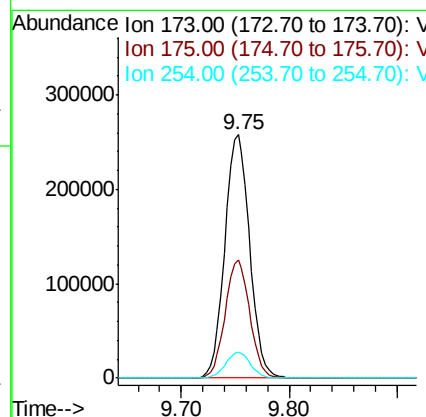
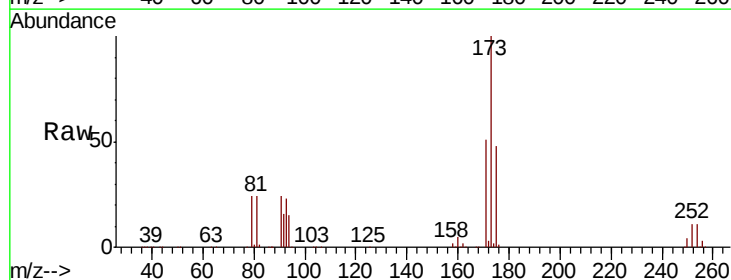
Tgt Ion: 173 Resp: 412137

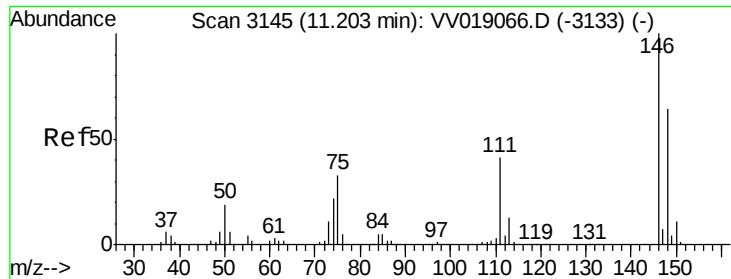
Ion Ratio Lower Upper

173 100

175 48.1 38.3 57.5

254 10.6 8.3 12.5

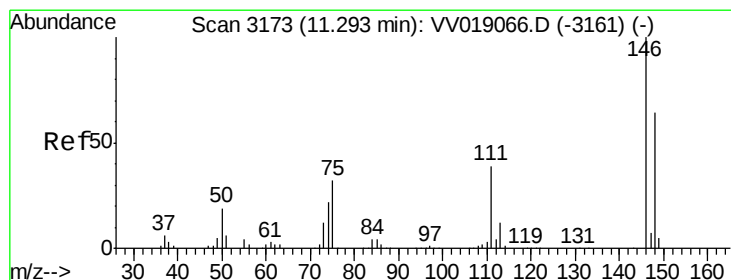
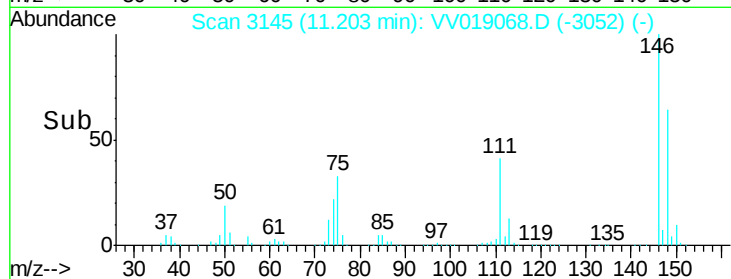
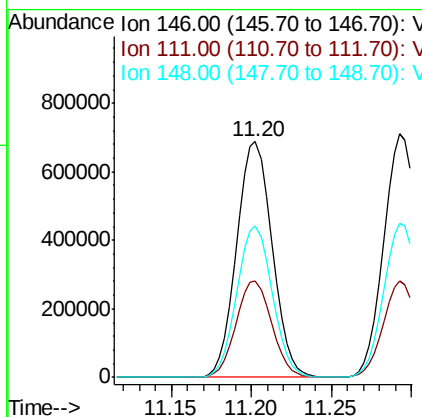
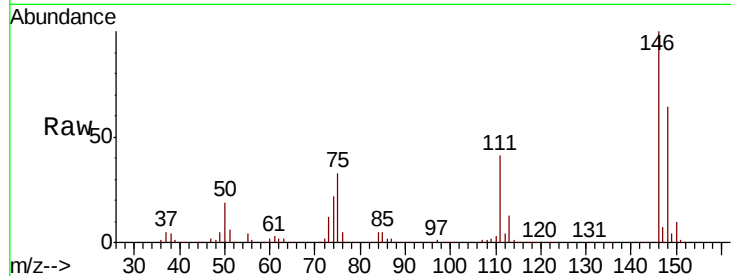




#62
 1,3-Dichlorobenzene
 Concen: 194.095 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

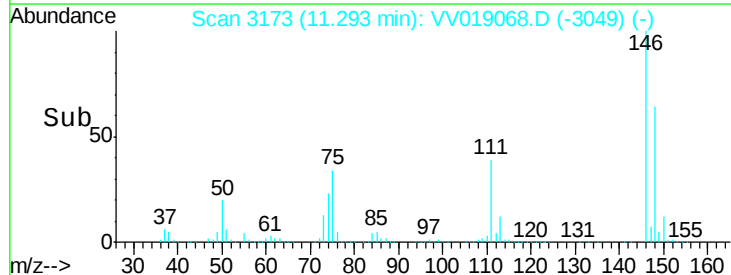
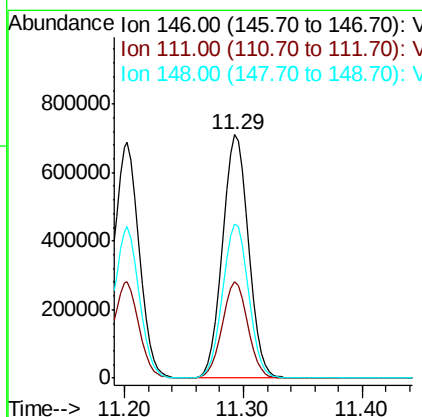
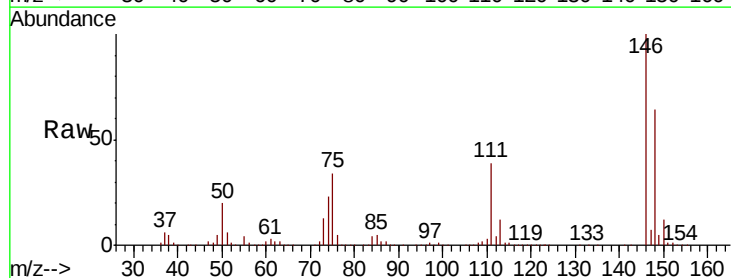
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

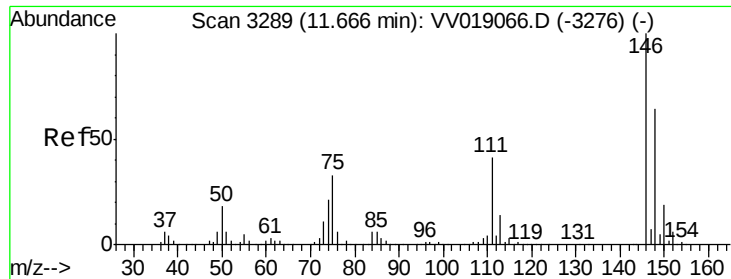
Tot Ion:146 Resp: 1040374
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.8 53.4
 148 64.1 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 191.137 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Tgt Ion:146 Resp: 1074469
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.8 51.6
 148 63.5 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 193.215 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

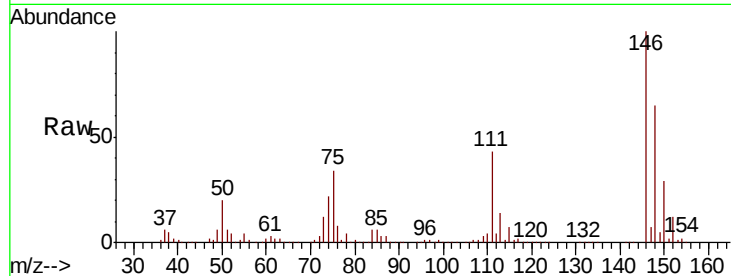
Tot Ion:146 Resp: 1040960

Ion Ratio Lower Upper

146 100

111 42.7 33.3 49.9

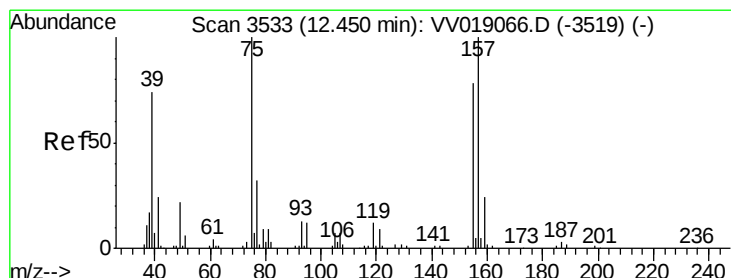
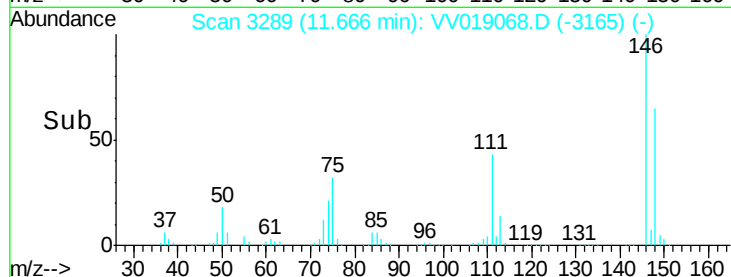
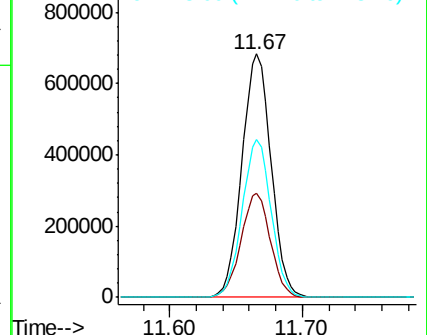
148 64.9 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 236.606 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

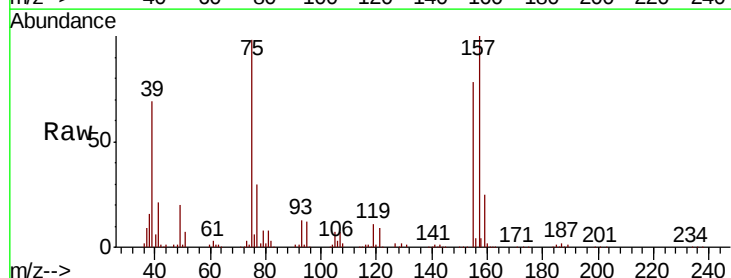
Tgt Ion: 75 Resp: 196943

Ion Ratio Lower Upper

75 100

155 79.4 62.2 93.4

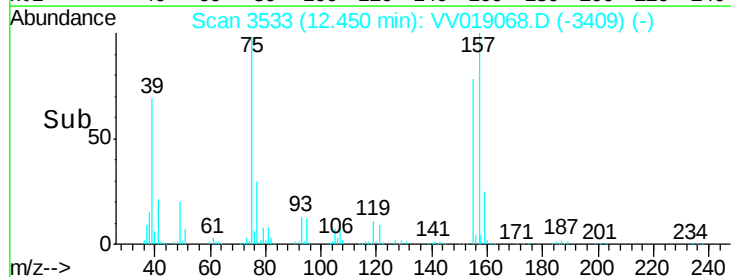
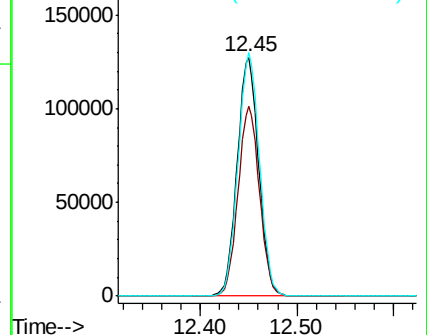
157 102.0 79.9 119.9

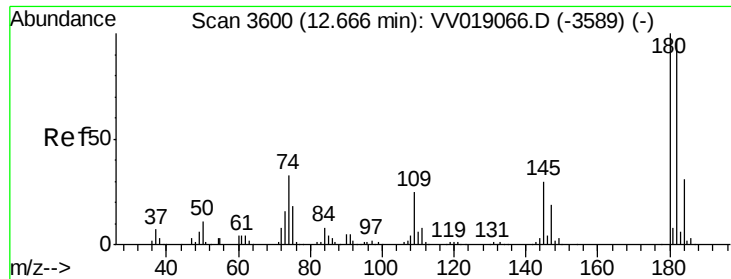


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

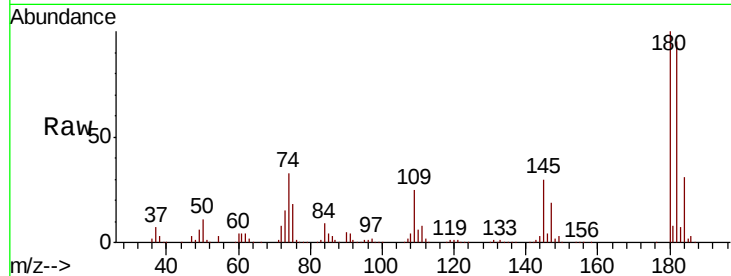




#67
 1,3,5-Trichlorobenzene
 Concen: 202.527 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.4	116.0
184	30.6	24.7	37.1
145	29.5	23.5	35.3

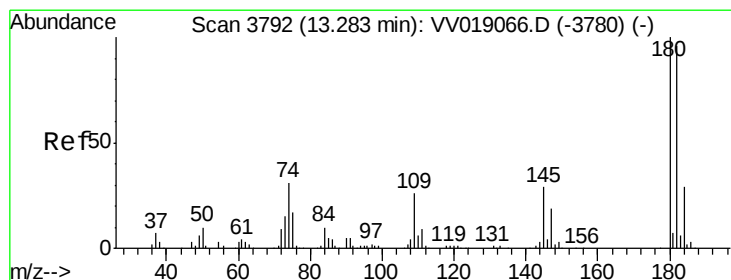
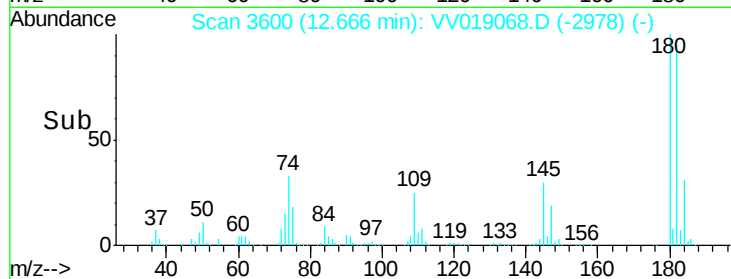
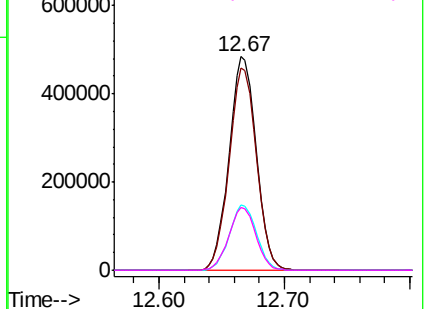


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

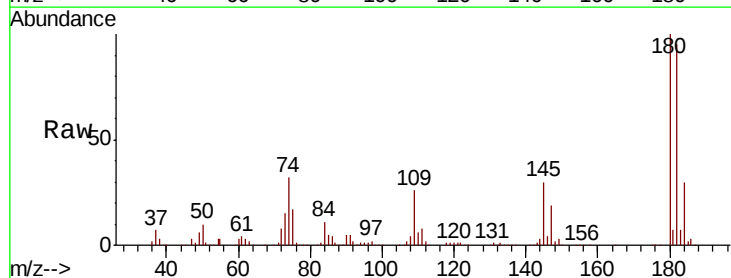
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 215.036 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019068.D
 Acq: 22 Oct 2020 13:31

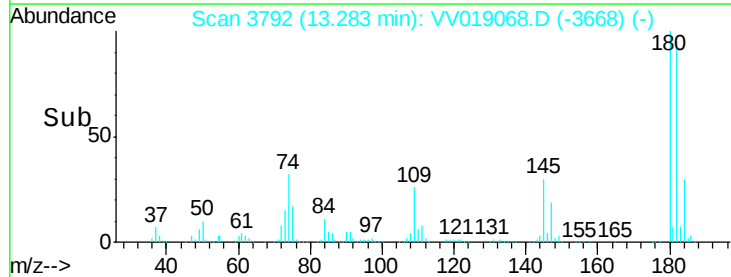
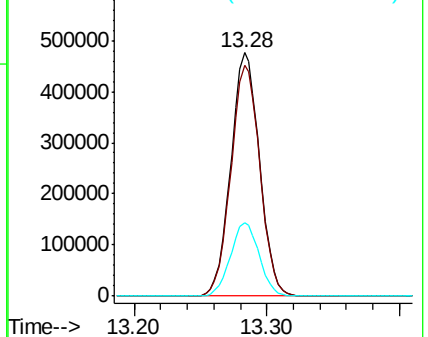
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.2
145	30.1	23.7	35.5

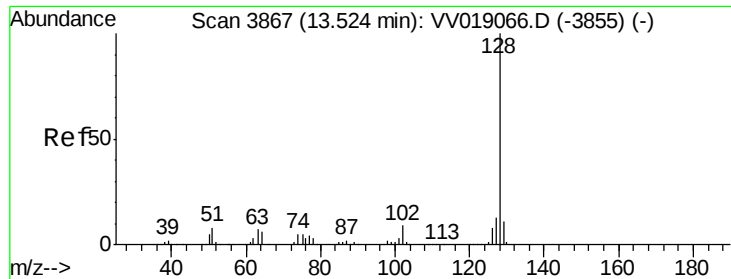


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 249.381 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Instrument :

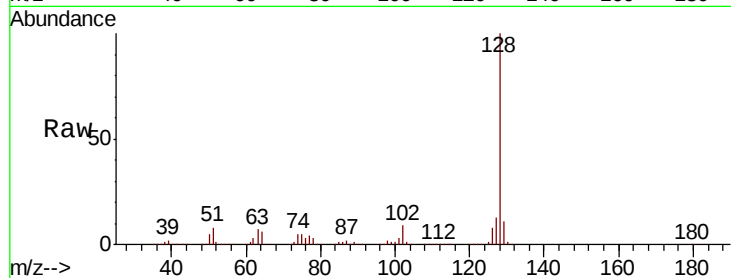
MSVOA_V

ClientSampleId :

VSTD20065

Tot Ion:128 Resp: 2397363

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.7	13.1

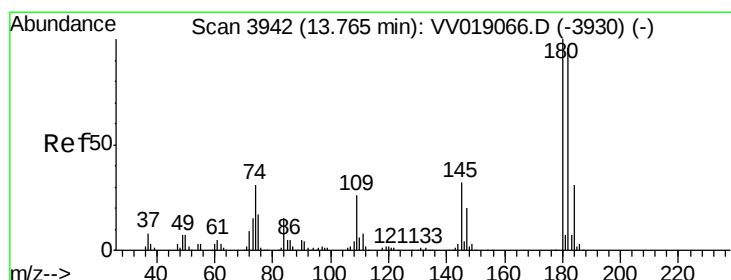
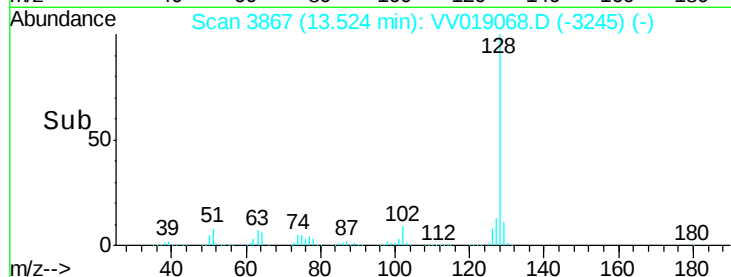
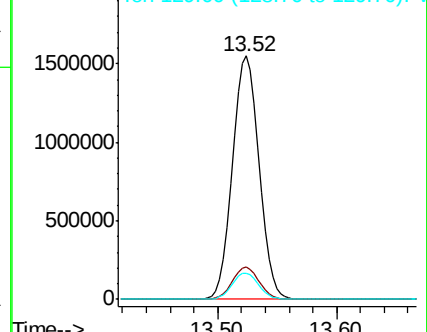


Abundance

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: 209.021 ug/L

RT: 13.77 min Scan# 3942

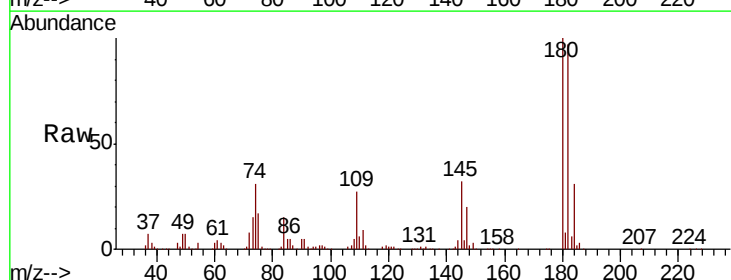
Delta R.T. -0.00 min

Lab File: VV019068.D

Acq: 22 Oct 2020 13:31

Tgt Ion:180 Resp: 693782

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.9	115.3
145	32.0	25.6	38.4



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

