

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
 Data File : VV017541.D
 Acq On : 20 Jul 2020 13:22
 Operator : SY/MD
 Sample : VSTD20063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Quant Time: Jul 20 17:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 17:41:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	291939	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	316355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182152	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	310587	201.39	ug/L	0.00
7) Chloroethane-d5	1.58	69	254059	227.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	791052	226.91	ug/L	0.00
21) 2-Butanone-d5	3.90	46	479043	456.07	ug/L	0.00
24) Chloroform-d	4.37	84	727222	206.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	512162	212.29	ug/L	0.00
32) Benzene-d6	5.07	84	1235753	182.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	357621	183.13	ug/L	0.00
41) Toluene-d8	7.34	98	1213644	186.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	241848	209.62	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	379989	456.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	537675	192.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	621308	204.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	487809	159.185	ug/L 98
3) Chloromethane	1.25	50	379552	174.017	ug/L 100
5) Vinyl chloride	1.32	62	423942	188.051	ug/L 100
6) Bromomethane	1.53	94	281698	231.269	ug/L 99
8) Chloroethane	1.60	64	230954	193.972	ug/L 99
9) Trichlorofluoromethane	1.76	101	730243	175.210	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	406930	206.175	ug/L 98
12) 1,1-Dichloroethene	2.13	96	376051	210.954	ug/L 97
13) Acetone	2.19	43	502623	359.031	ug/L 97
14) Carbon disulfide	2.31	76	915169	174.665	ug/L 100
15) Methyl Acetate	2.44	43	361478	193.786	ug/L 100
16) Methylene chloride	2.52	84	360659	177.907	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	335586	179.555	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	1278245	199.558	ug/L 100
19) 1,1-Dichloroethane	3.21	63	639284	183.766	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	387083	190.717	ug/L 98
22) 2-Butanone	3.99	43	511077	378.415	ug/L 96
23) Bromochloromethane	4.27	128	216612	191.043	ug/L 95
25) Chloroform	4.40	83	733793	187.211	ug/L 99
27) 1,2-Dichloroethane	5.15	62	654970	191.101	ug/L 100
29) Cyclohexane	4.70	56	505204	156.351	ug/L # 99
30) 1,1,1-Trichloroethane	4.63	97	722292	167.342	ug/L 98
31) Carbon tetrachloride	4.86	117	657630	166.912	ug/L 100
33) Benzene	5.13	78	1376807	166.469	ug/L 100
34) Trichloroethene	5.94	95	387313	158.991	ug/L 97
35) Methylcyclohexane	6.15	83	561242	157.623	ug/L 100
37) 1,2-Dichloropropane	6.20	63	341716	168.433	ug/L 100
38) Bromodichloromethane	6.53	83	585500	175.700	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	644004	184.427	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	1021151	360.974	ug/L 100

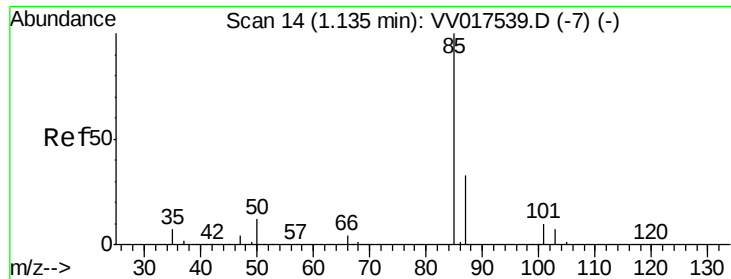
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072020\
 Data File : VV017541.D
 Acq On : 20 Jul 2020 13:22
 Operator : SY/MD
 Sample : VSTD20063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

Quant Time: Jul 20 17:48:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 17:41:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1568704	169.989	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	680702	188.444	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	374904	168.691	ug/L	98
46) Tetrachloroethene	8.00	164	335978	162.490	ug/L	100
48) 2-Hexanone	8.16	43	910828	397.892	ug/L	99
49) Dibromochloromethane	8.27	129	535436	191.914	ug/L	100
50) 1,2-Dibromoethane	8.37	107	449191	184.040	ug/L	98
51) Chlorobenzene	8.90	112	1202847	190.695	ug/L	99
52) Ethylbenzene	9.03	91	2223182	209.739	ug/L	98
53) m,p-Xylene	9.16	106	750147	189.377	ug/L	100
54) o-xylene	9.57	106	684012	178.353	ug/L	99
55) Styrene	9.58	104	1212753	181.838	ug/L	98
56) Isopropylbenzene	9.95	105	1883116	176.660	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	587293	178.365	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	497751	174.820	ug/L	99
61) Bromoform	9.75	173	407072	184.117	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	960135	169.966	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	1115749	193.663	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1061702	187.532	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	186496	198.188	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	758292	176.217	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	712961	188.177	ug/L	99
69) Naphthalene	13.52	128	2105536	199.636	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	701768	183.175	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 159.185 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

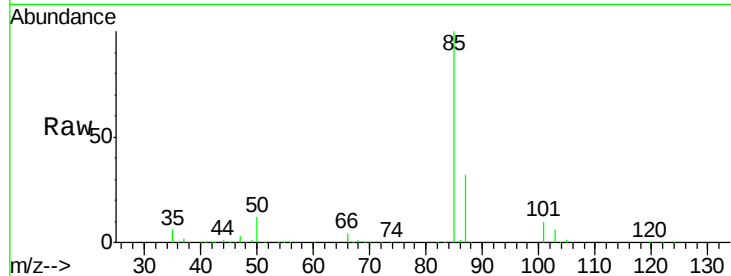
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion: 85 Resp: 487809

Ion Ratio Lower Upper

85 100

87 32.4 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

500000

400000

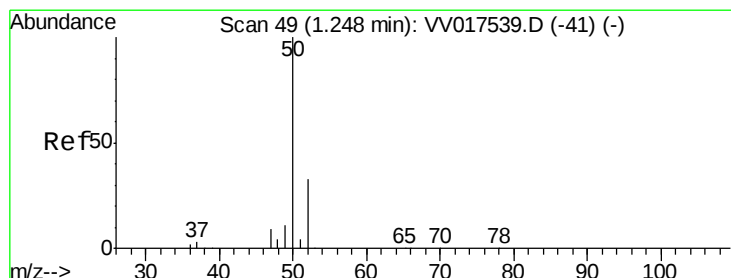
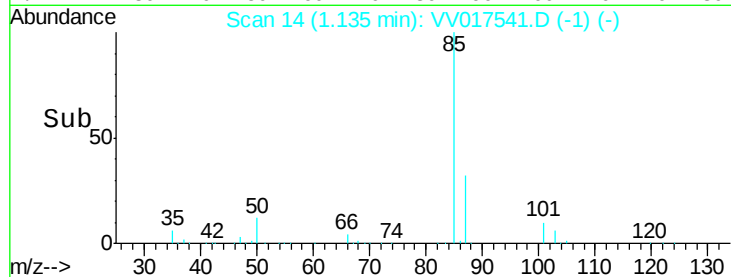
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 174.017 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017541.D

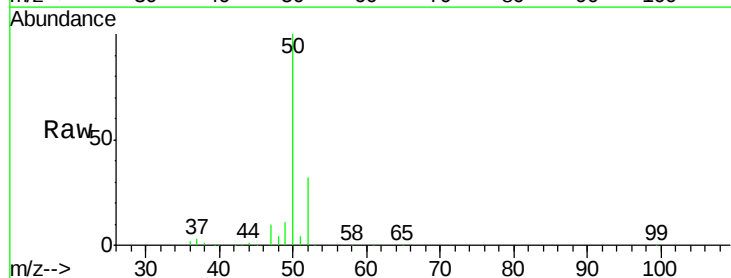
Acq: 20 Jul 2020 13:22

Tgt Ion: 50 Resp: 379552

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

400000

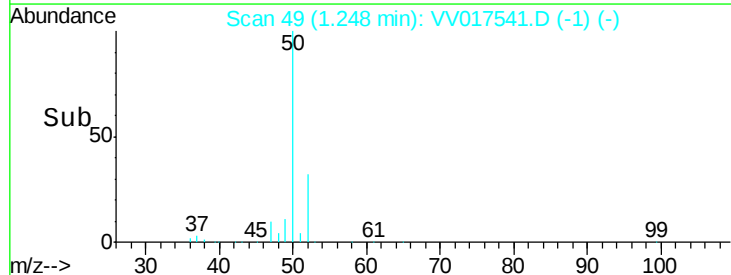
300000

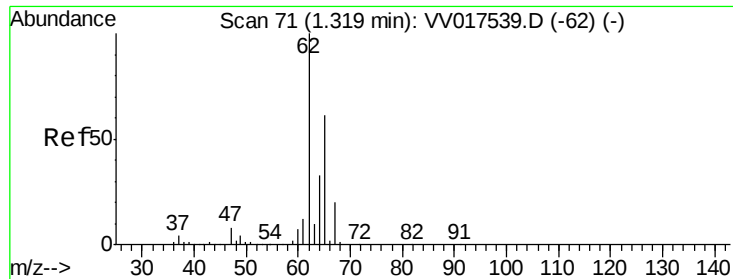
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 188.051 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

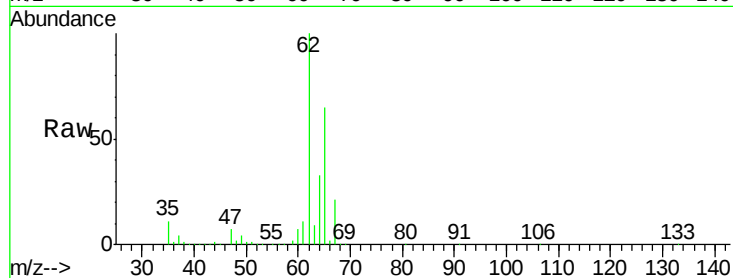
VSTD20063

Tgt Ion: 62 Resp: 423942

Ion Ratio Lower Upper

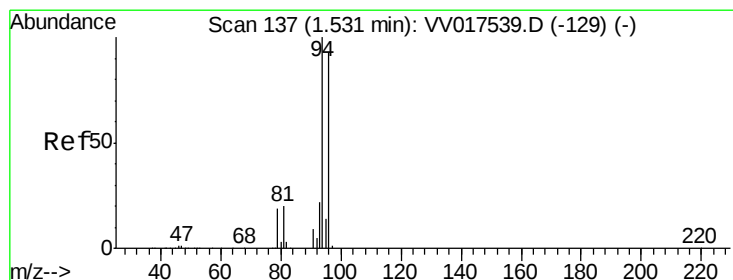
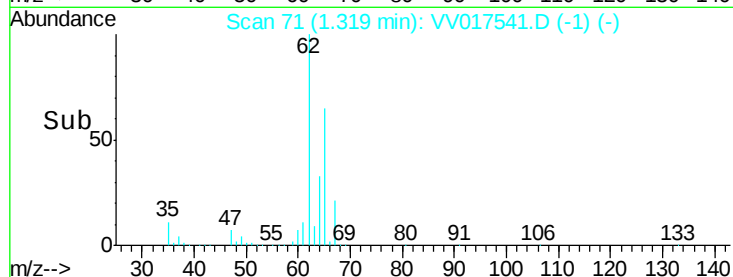
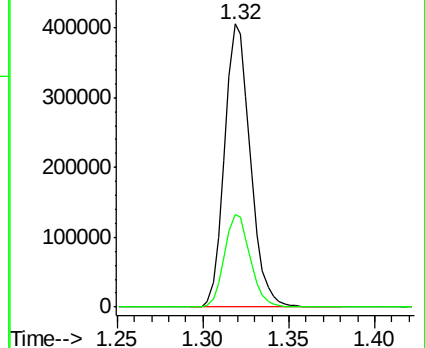
62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 231.269 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017541.D

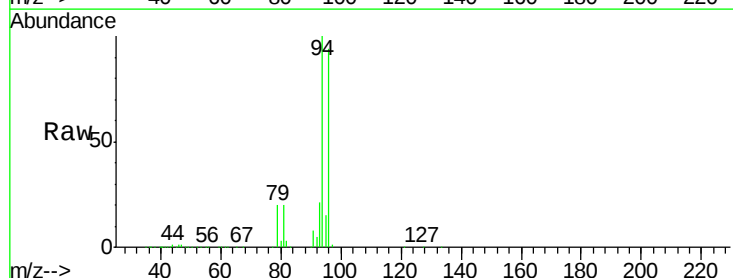
Acq: 20 Jul 2020 13:22

Tgt Ion: 94 Resp: 281698

Ion Ratio Lower Upper

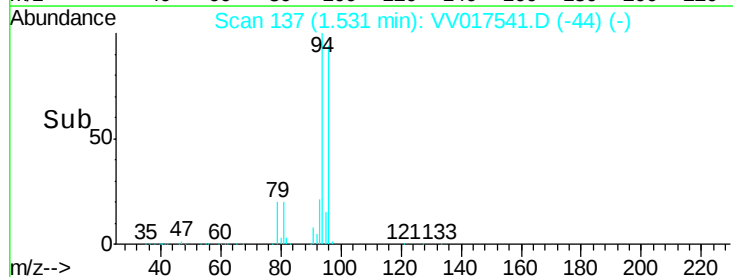
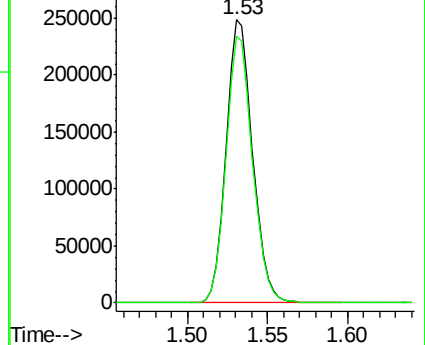
94 100

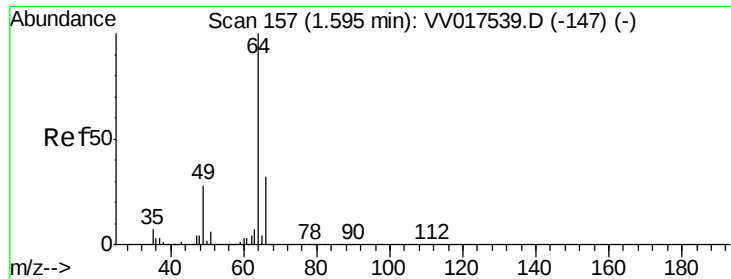
96 94.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

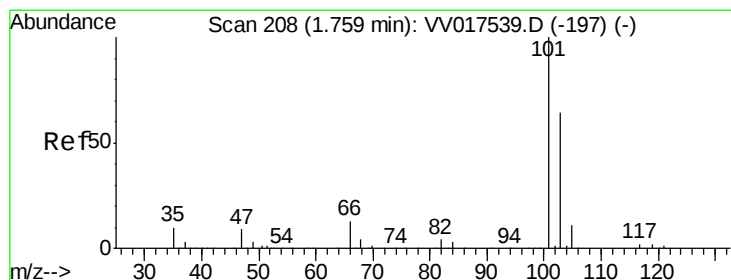
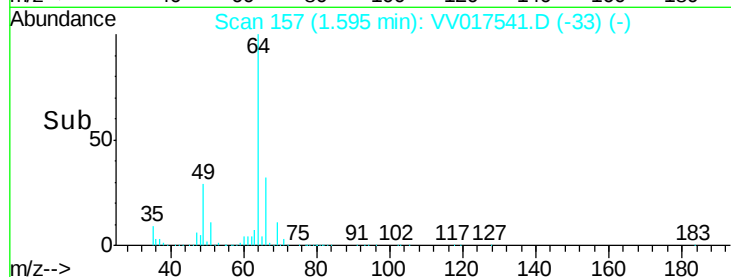
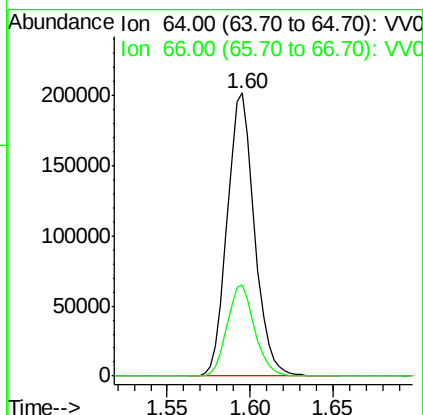
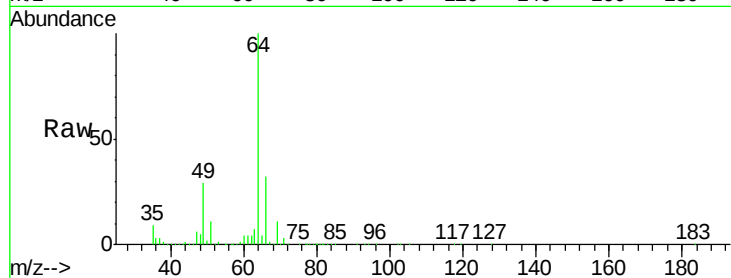




#8
Chloroethane
Concen: 193.972 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

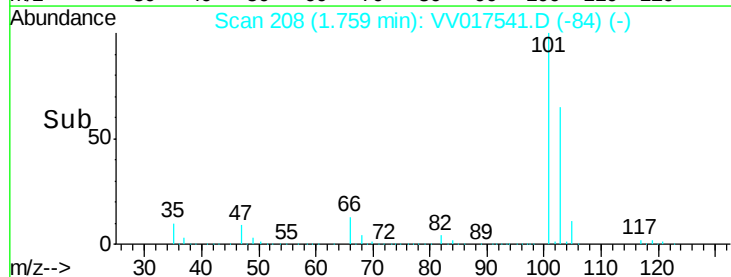
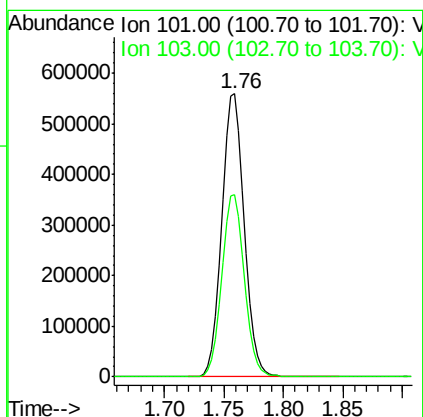
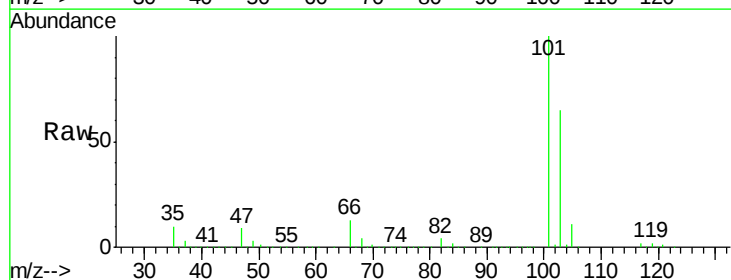
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

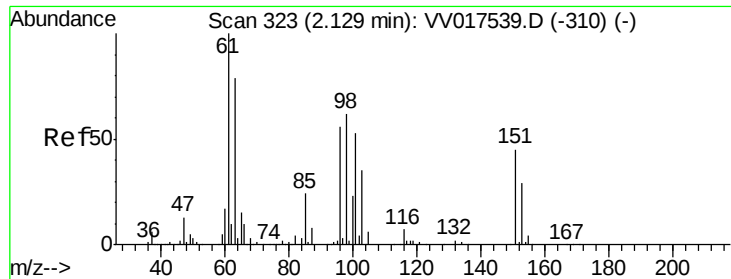
Tgt Ion: 64 Resp: 230954
Ion Ratio Lower Upper
64 100
66 32.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 175.210 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion: 101 Resp: 730243
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8





#10

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

Concen: 206.175 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

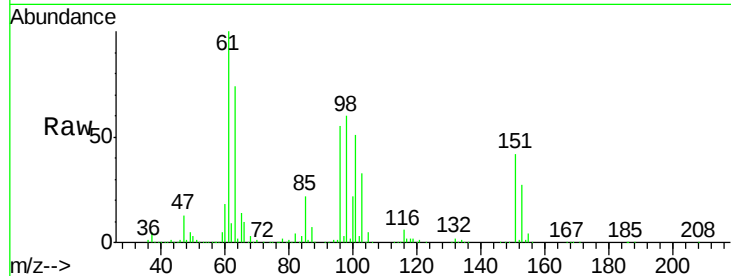
Tgt Ion:101 Resp: 406930

Ion Ratio Lower Upper

101 100

85 43.7 36.2 54.4

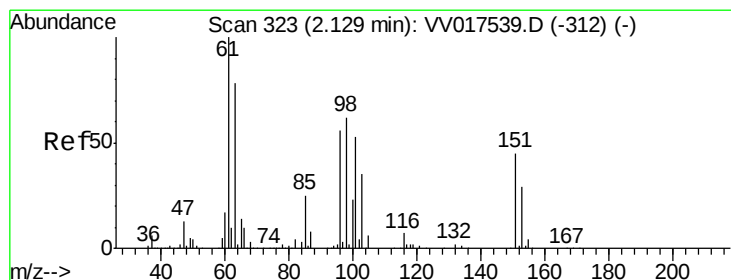
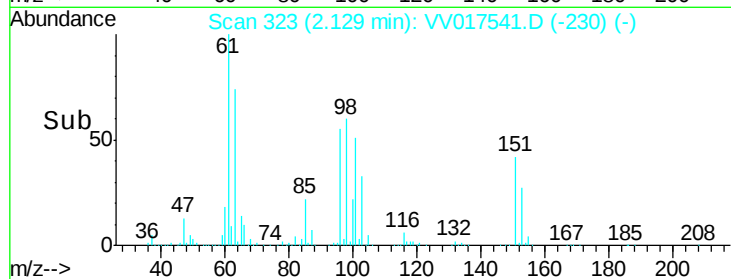
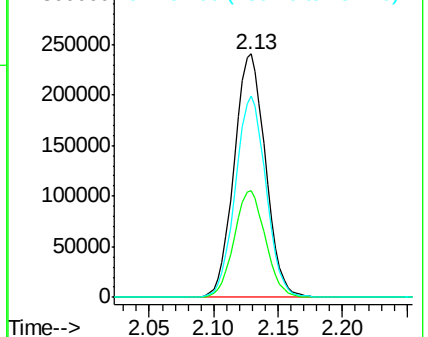
151 81.0 65.9 98.9



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: 210.954 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

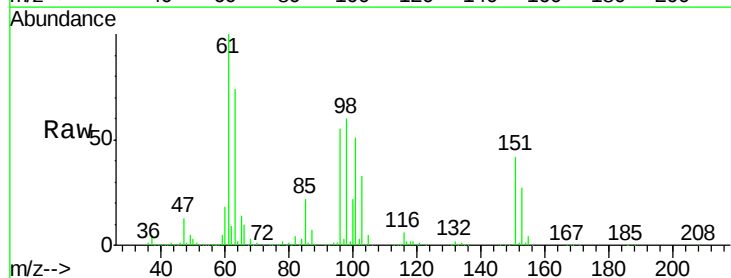
Tgt Ion: 96 Resp: 376051

Ion Ratio Lower Upper

96 100

61 182.6 126.0 234.0

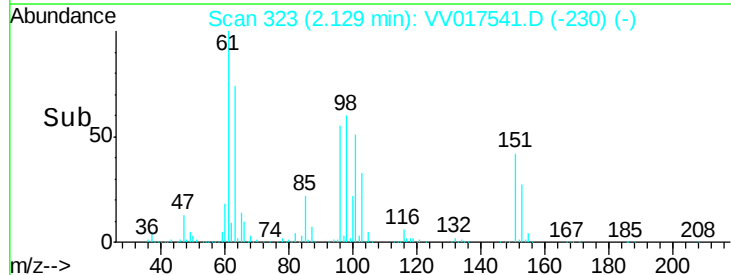
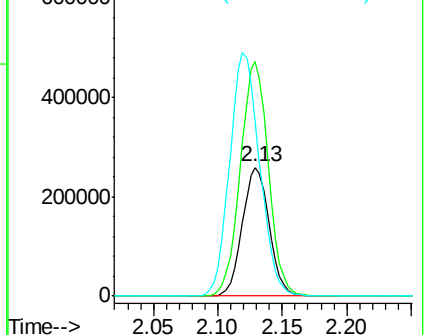
63 136.0 99.8 185.4

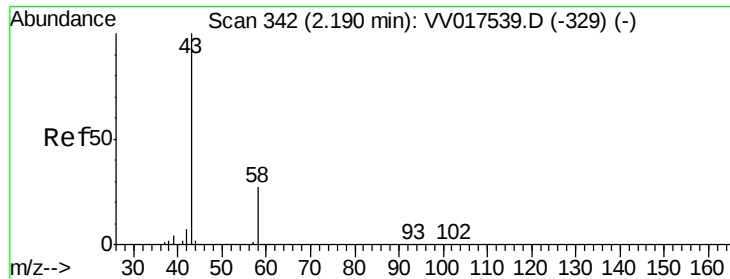


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 359.031 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampled :

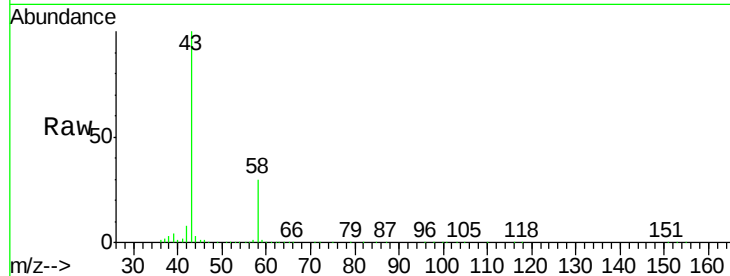
VSTD20063

Tgt Ion: 43 Resp: 502623

Ion Ratio Lower Upper

43 100

58 29.4 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017539.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017539.D (-329) (-)

2.19

250000

200000

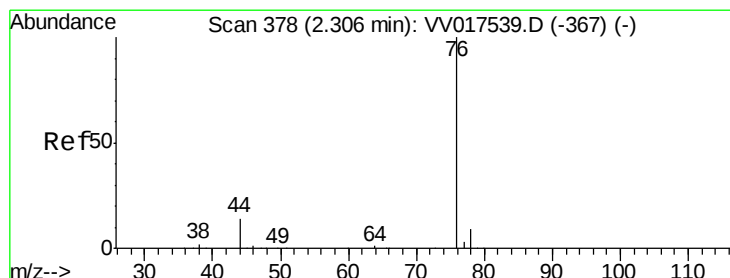
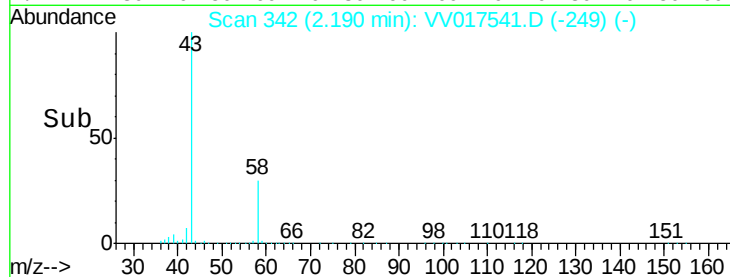
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 174.665 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017541.D

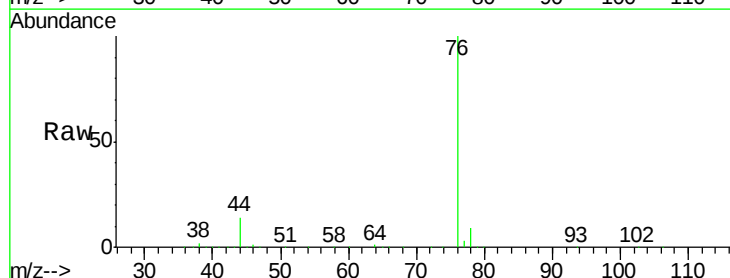
Acq: 20 Jul 2020 13:22

Tgt Ion: 76 Resp: 915169

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017539.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017539.D (-367) (-)

2.31

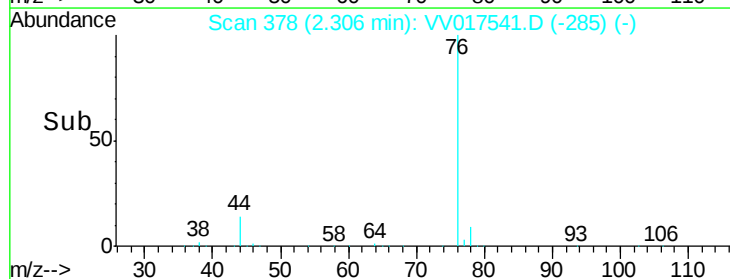
600000

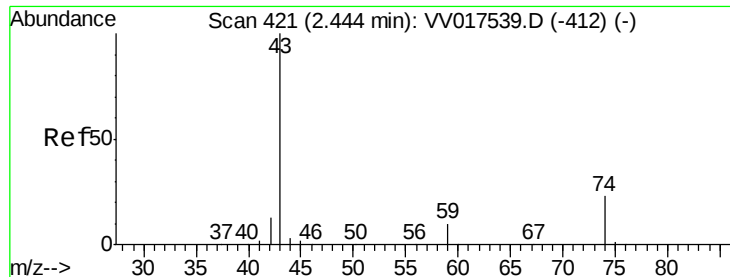
400000

200000

0

Time-->

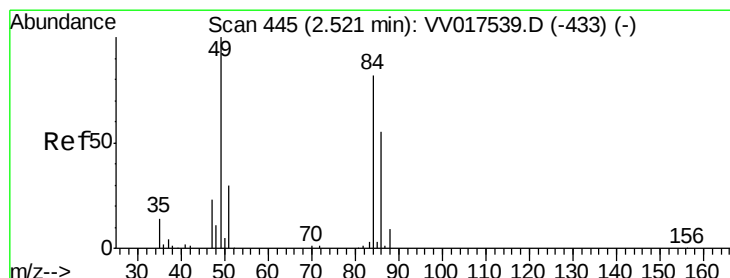
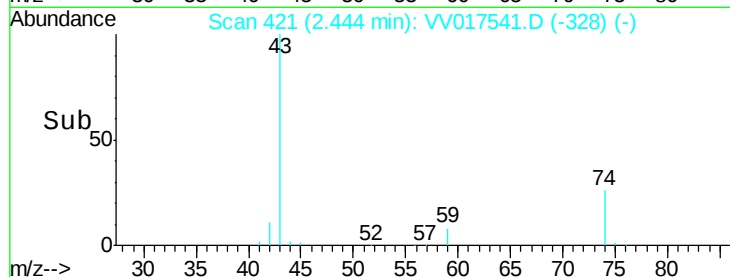
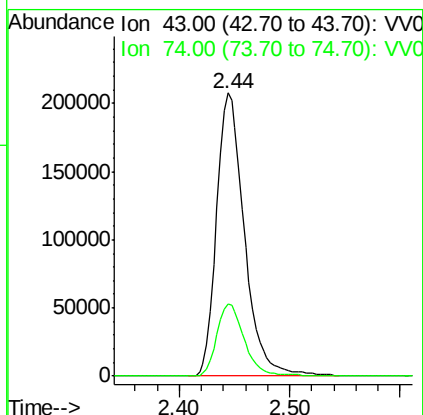
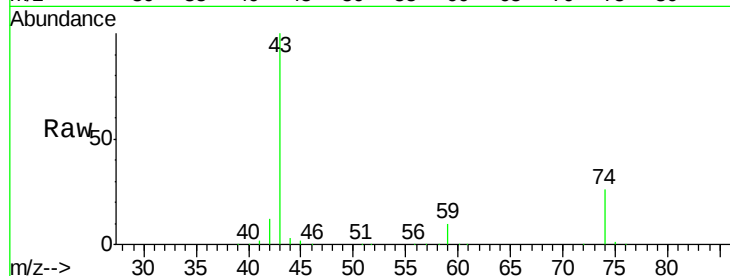




#15
Methyl Acetate
Concen: 193.786 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

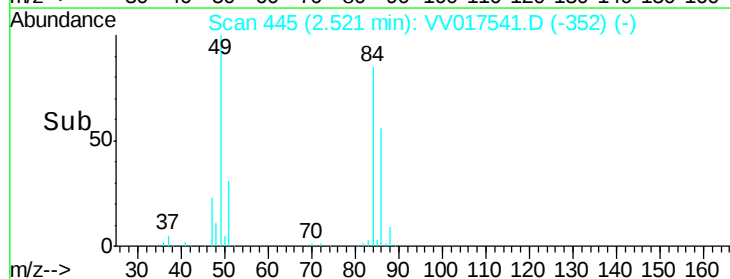
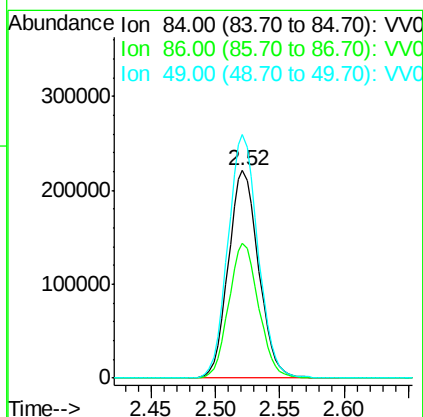
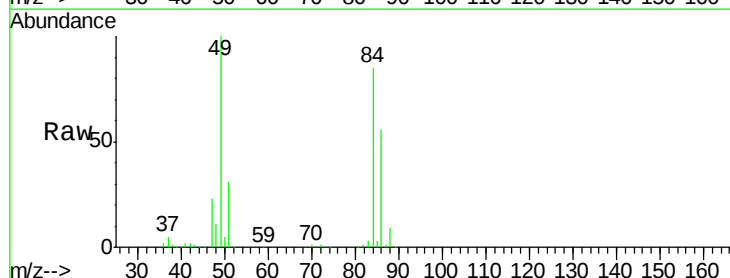
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

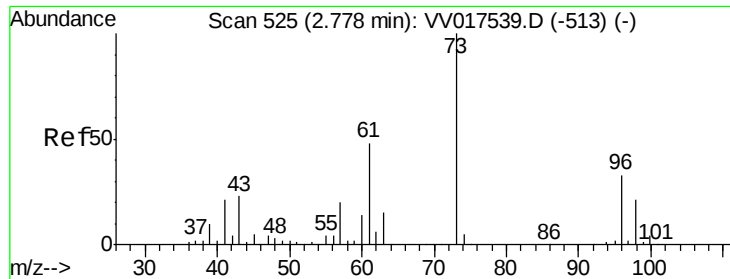
Tgt Ion: 43 Resp: 361478
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5



#16
Methylene chloride
Concen: 177.907 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion: 84 Resp: 360659
Ion Ratio Lower Upper
84 100
86 65.2 47.1 87.5
49 117.3 85.8 159.4

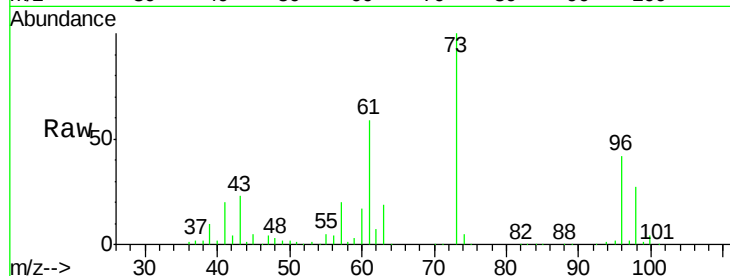




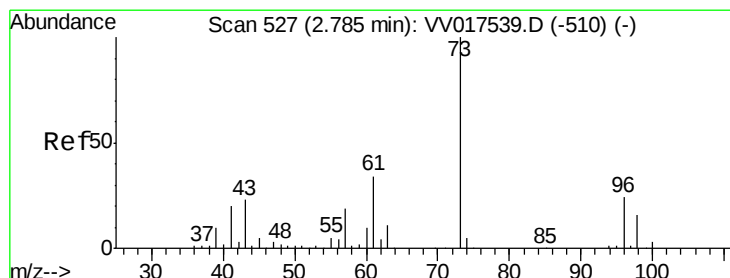
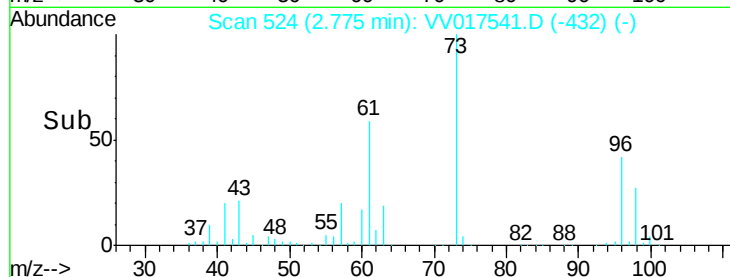
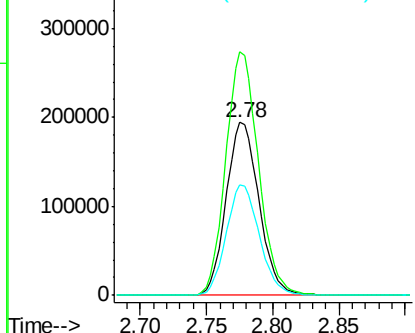
#17
trans-1,2-Dichloroethene
Concen: 179.555 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion: 96 Resp: 335586
Ion Ratio Lower Upper
96 100
61 140.8 100.4 186.6
98 63.7 44.8 83.2

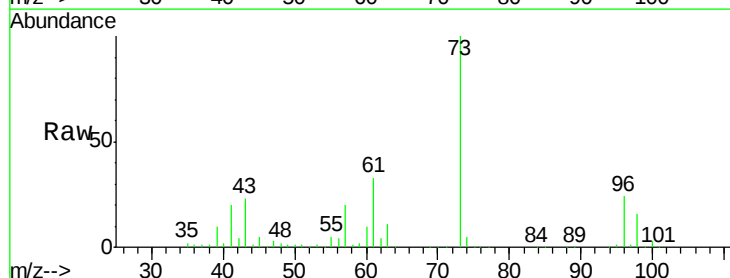


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

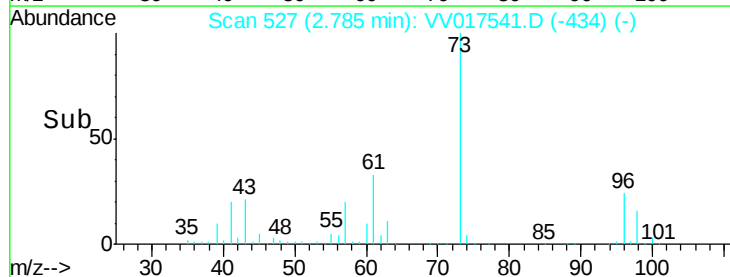
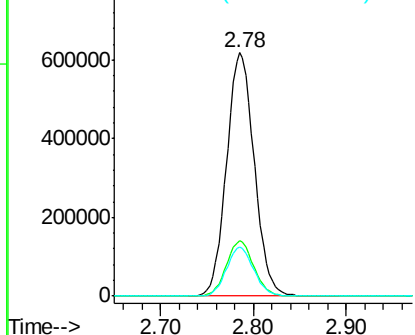


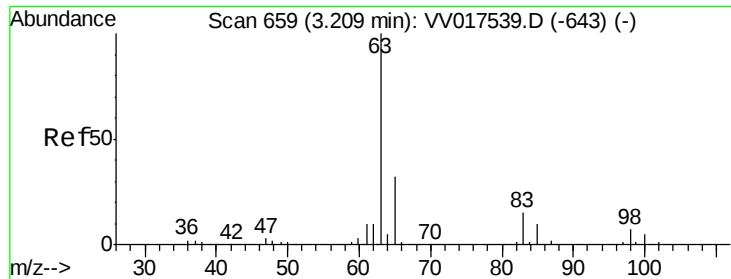
#18
Methyl tert-butyl Ether
Concen: 199.558 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion: 73 Resp: 1278245
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 19.8 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

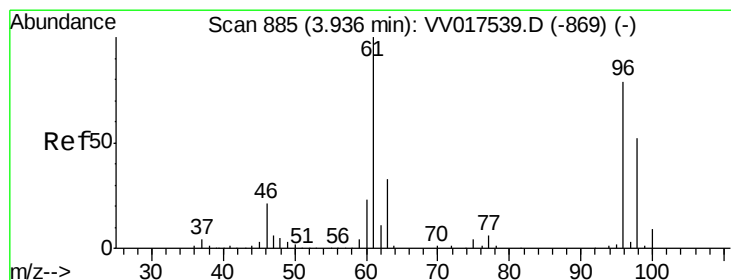
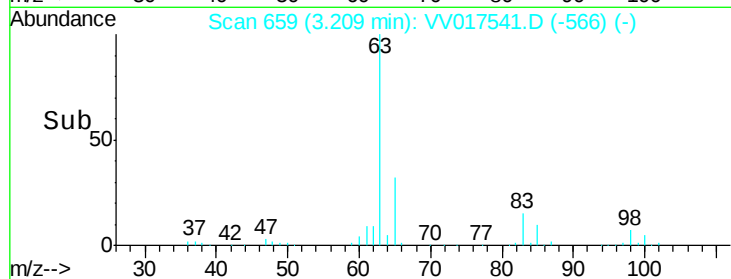
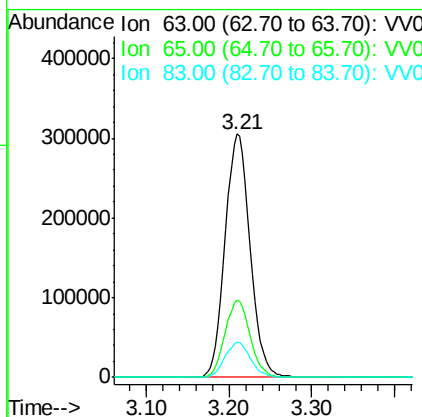
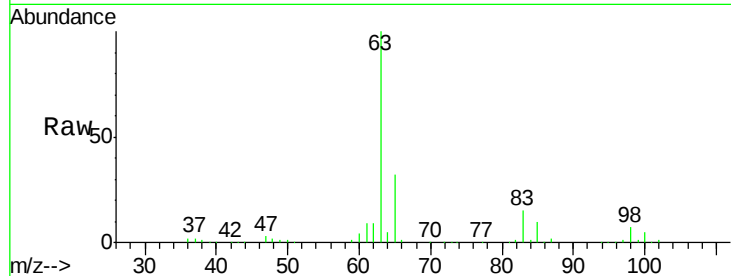




#19
 1,1-Dichloroethane
 Concen: 183.766 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

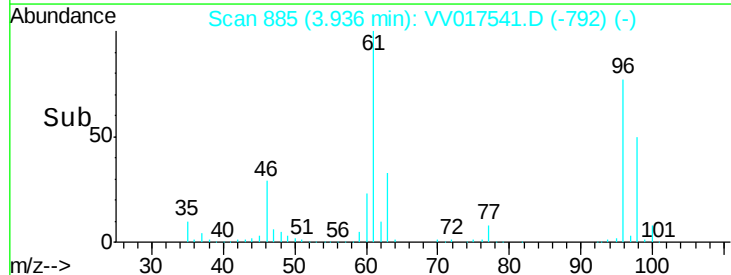
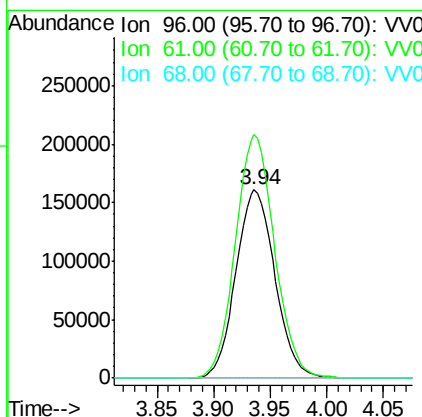
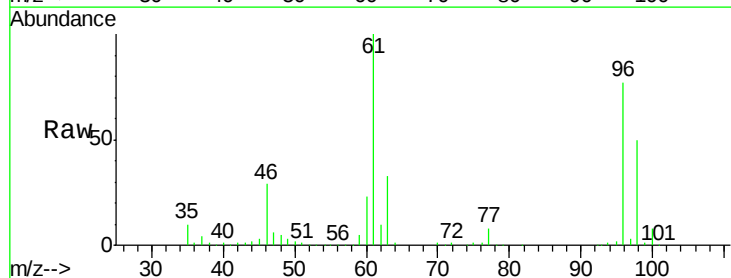
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

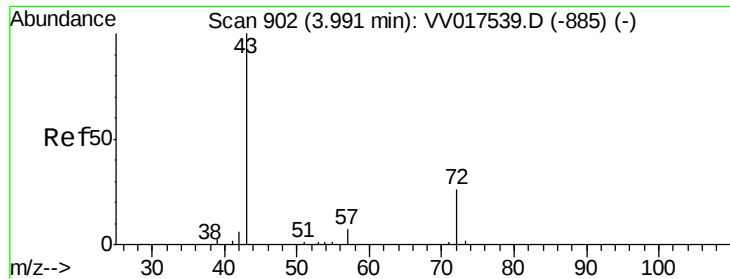
Tgt Ion: 63 Resp: 639284
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 14.5 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 190.717 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

Tgt Ion: 96 Resp: 387083
 Ion Ratio Lower Upper
 96 100
 61 129.4 88.5 164.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 378.415 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

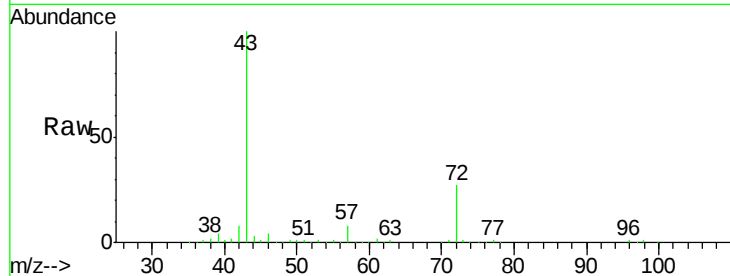
VSTD20063

Tgt Ion: 43 Resp: 511077

Ion Ratio Lower Upper

43 100

72 27.5 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV017541.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV017541.D (-897) (-)

200000

150000

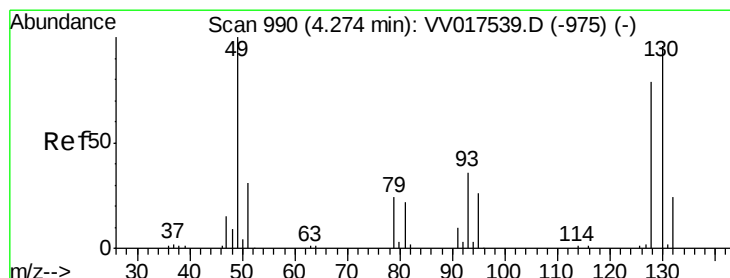
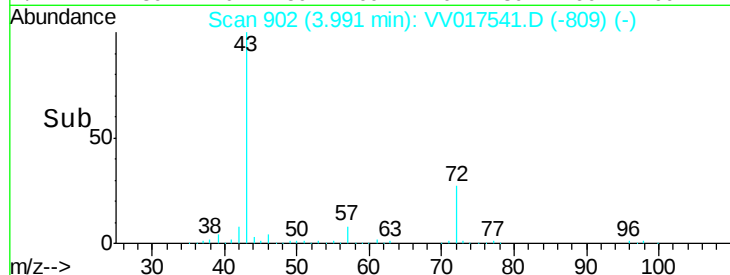
100000

50000

0

3.99

Time-->



#23

Bromochloromethane

Concen: 191.043 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Tgt Ion: 128 Resp: 216612

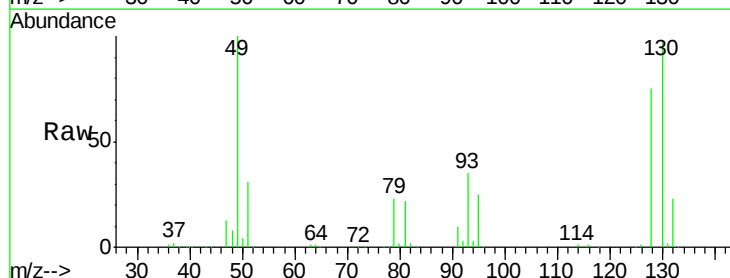
Ion Ratio Lower Upper

128 100

49 133.5 89.3 165.9

130 128.9 84.9 157.7

51 41.3 31.9 47.9



Abundance Ion 128.00 (127.70 to 128.70): VV017541.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV017541.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV017541.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV017541.D (-897) (-)

150000

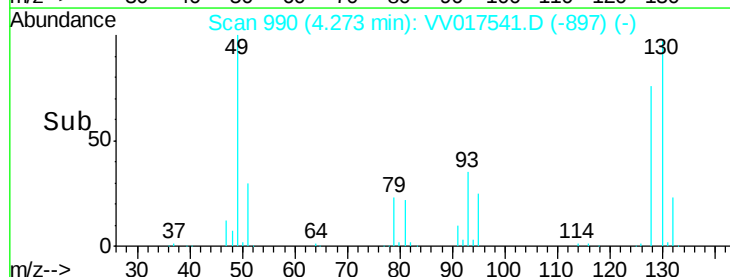
100000

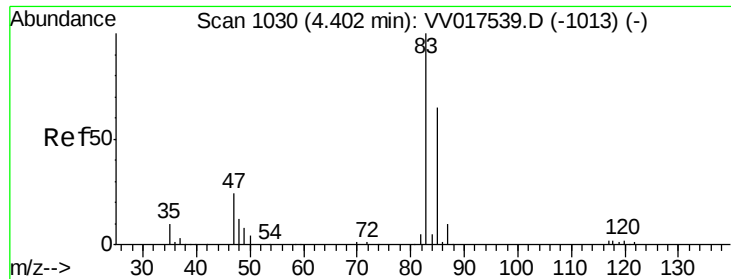
50000

0

4.27

Time-->

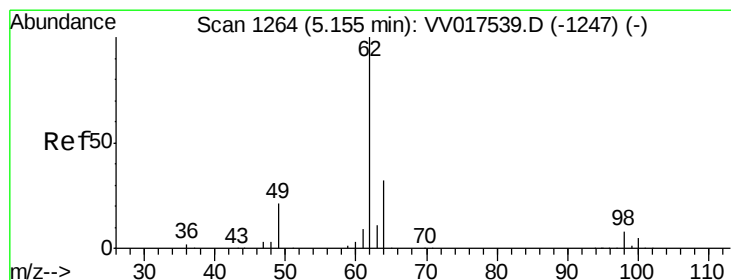
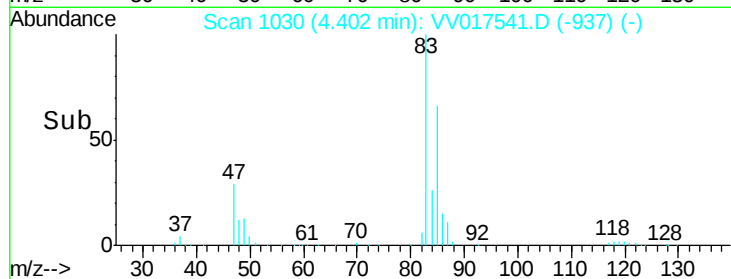
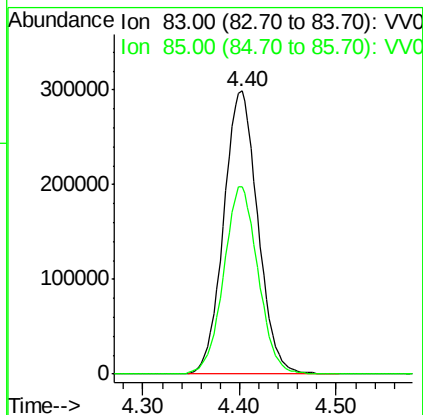
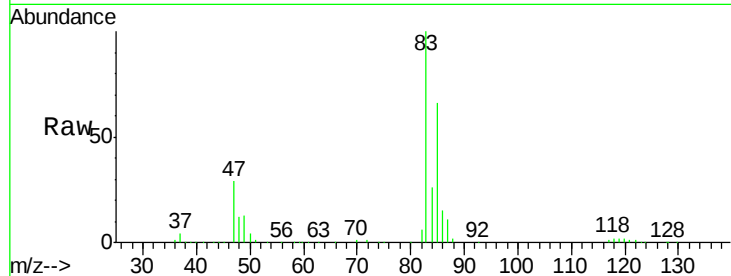




#25
Chloroform
Concen: 187.211 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

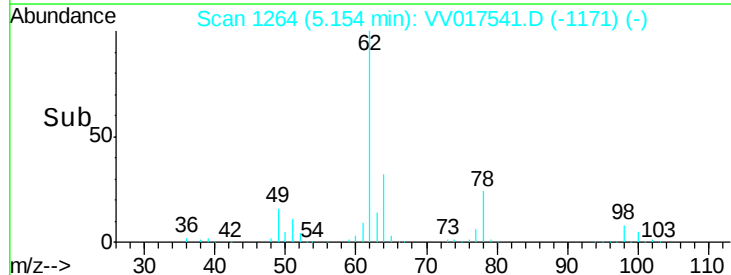
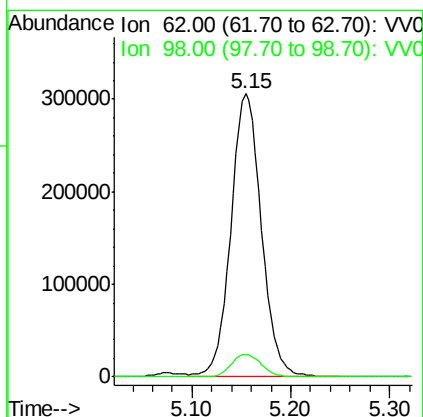
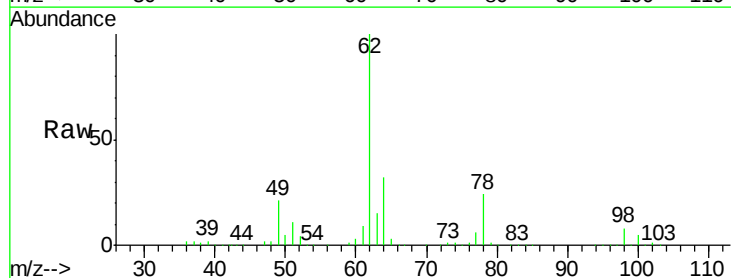
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

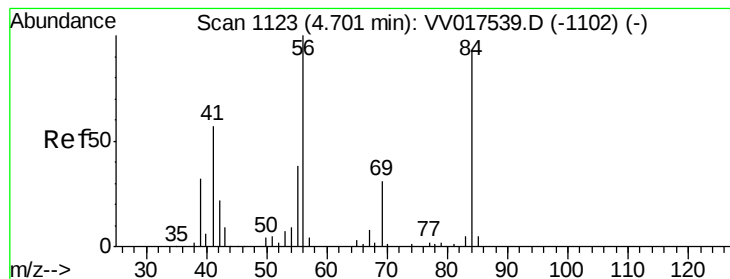
Tgt Ion: 83 Resp: 733793
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 191.101 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion: 62 Resp: 654970
Ion Ratio Lower Upper
62 100
98 7.9 6.2 9.4





#29

Cyclohexane

Concen: 156.351 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

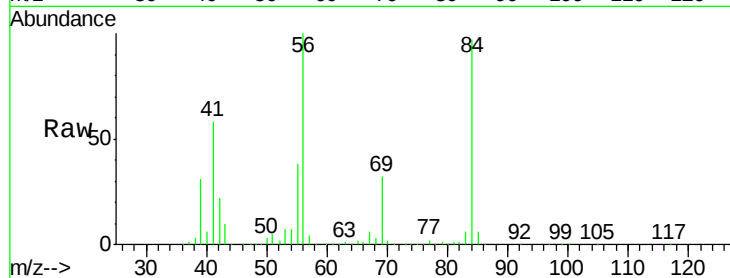
Tgt Ion: 56 Resp: 505204

Ion Ratio Lower Upper

56 100

69 32.6 0.0 0.0#

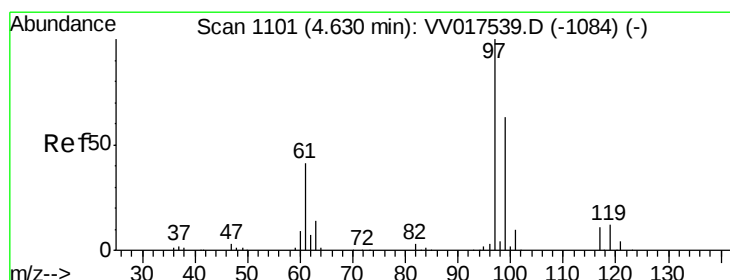
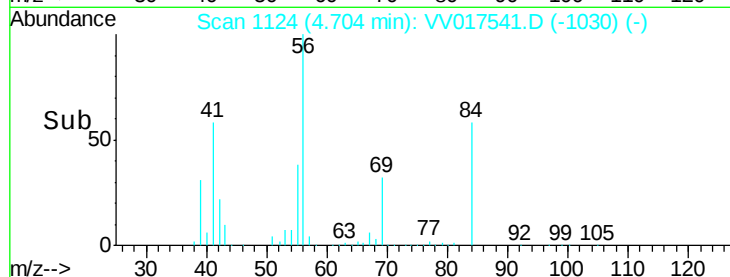
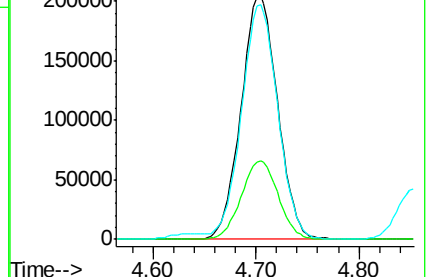
84 95.2 75.1 112.7



Abundance Ion 56.00 (55.70 to 56.70): VV017539.D (-1102) (-)

Ion 69.00 (68.70 to 69.70): VV017539.D (-1102) (-)

Ion 84.00 (83.70 to 84.70): VV017539.D (-1102) (-)



#30

1,1,1-Trichloroethane

Concen: 167.342 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

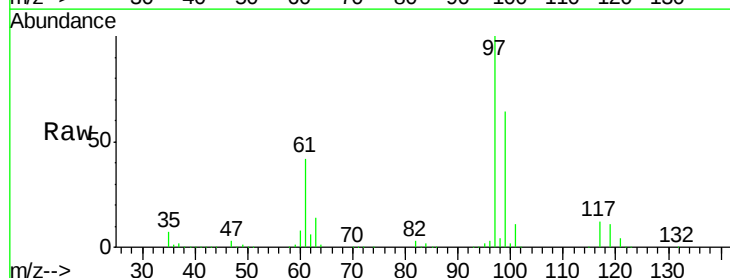
Tgt Ion: 97 Resp: 722292

Ion Ratio Lower Upper

97 100

99 64.7 50.5 75.7

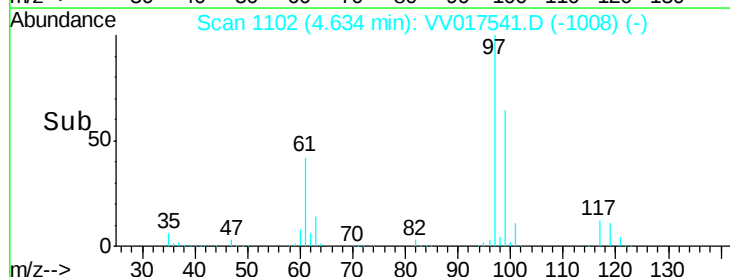
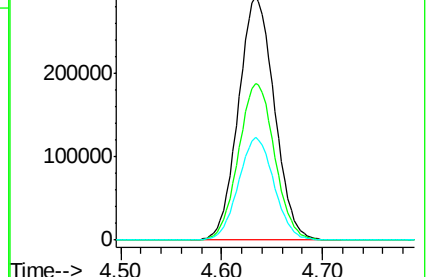
61 42.0 34.1 51.1

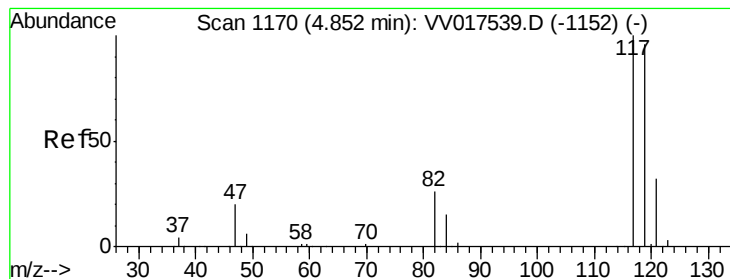


Abundance Ion 97.00 (96.70 to 97.70): VV017539.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV017539.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV017539.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 166.912 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

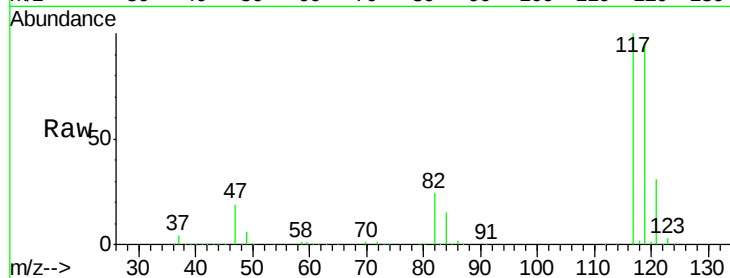
VSTD20063

Tgt Ion:117 Resp: 657630

Ion Ratio Lower Upper

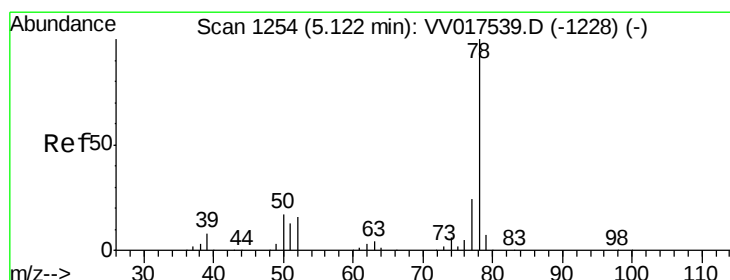
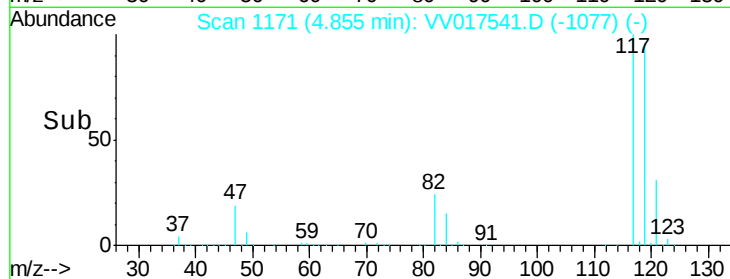
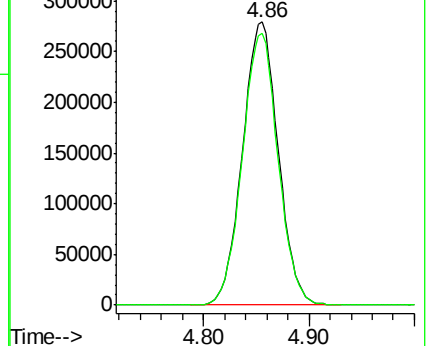
117 100

119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 166.469 ug/L

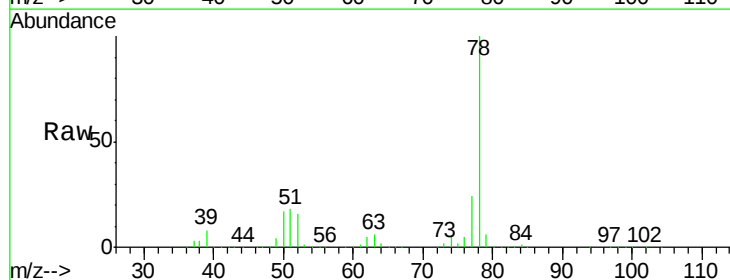
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

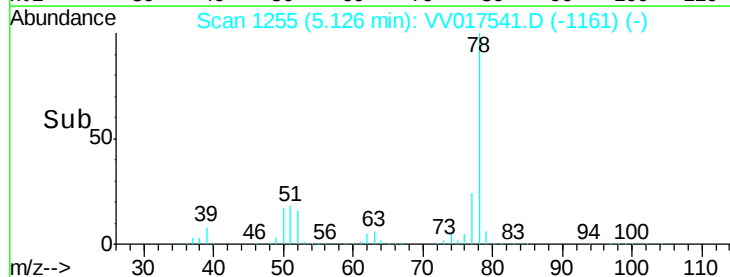
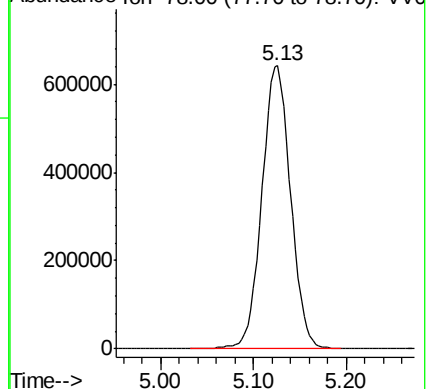
Lab File: VV017541.D

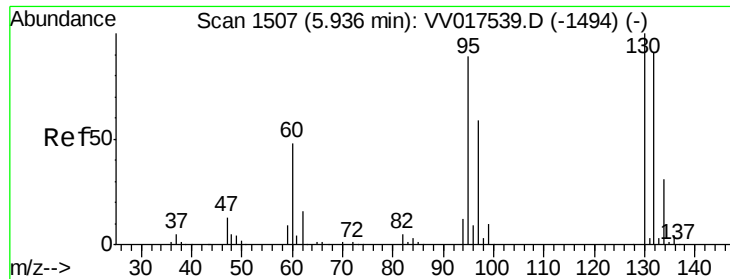
Acq: 20 Jul 2020 13:22

Tgt Ion: 78 Resp: 1376807



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 158.991 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

Tgt Ion: 95 Resp: 387313

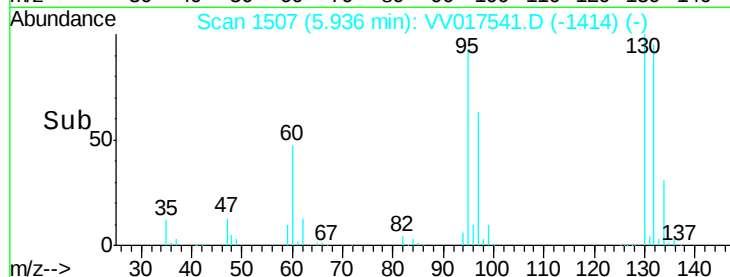
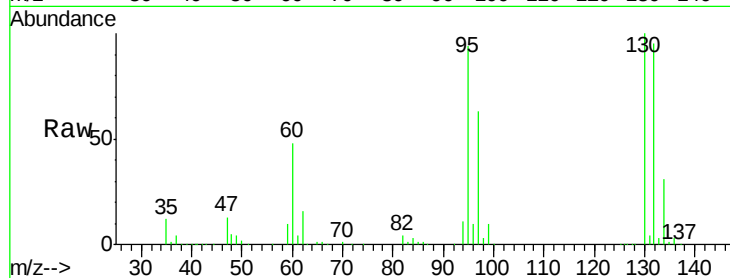
Ion Ratio Lower Upper

95 100

97 66.2 46.1 85.5

132 101.0 71.3 132.3

130 105.8 78.3 145.3

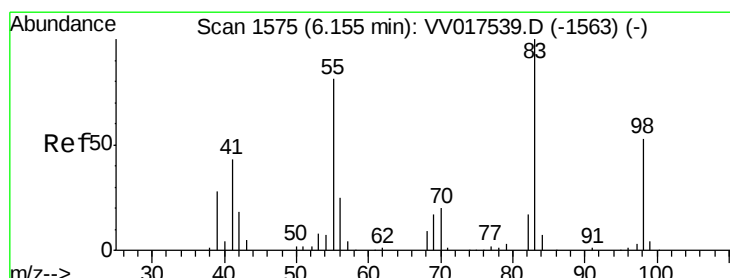
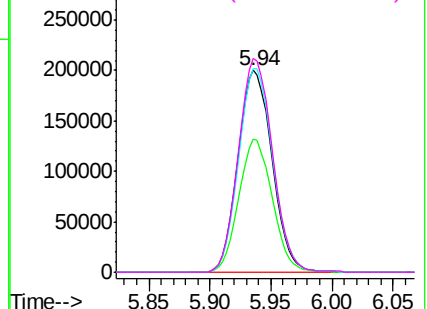


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 157.623 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

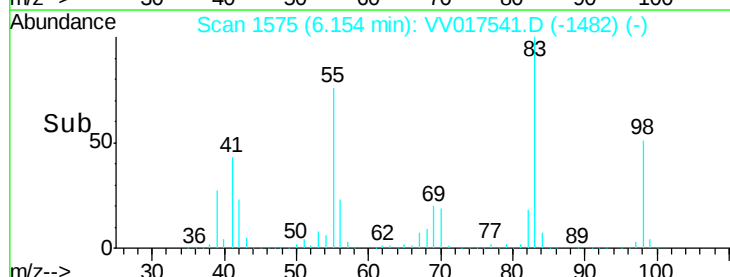
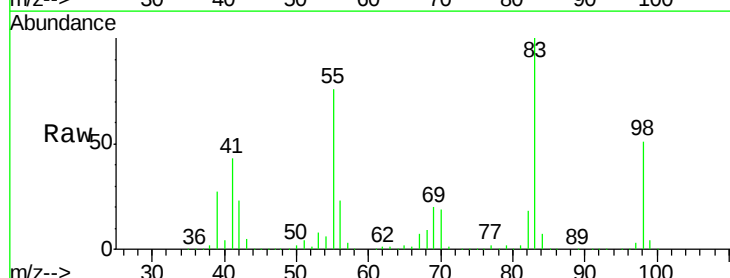
Tgt Ion: 83 Resp: 561242

Ion Ratio Lower Upper

83 100

55 75.9 60.7 91.1

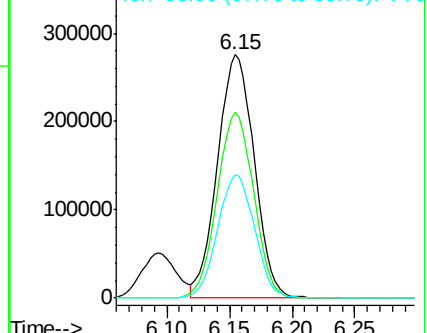
98 51.2 40.8 61.2

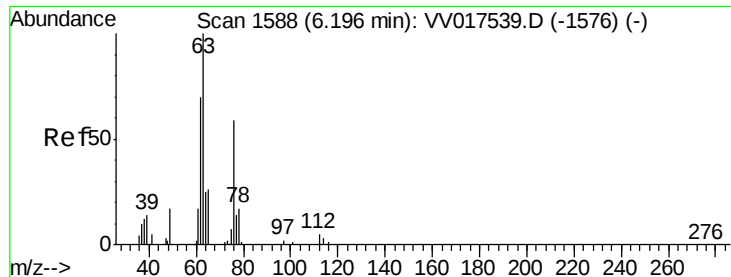


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

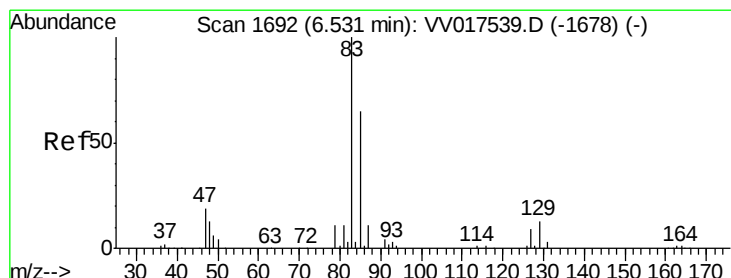
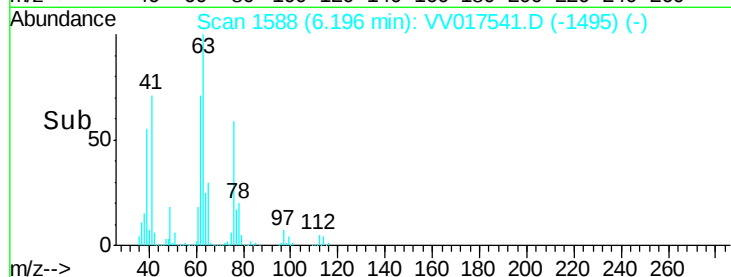
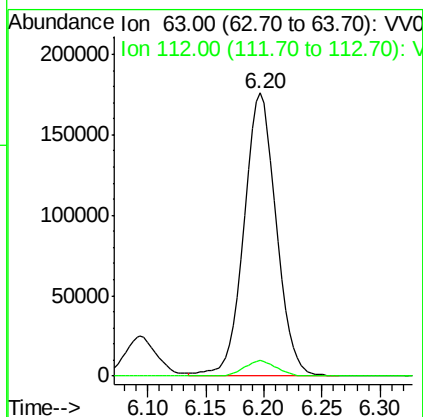
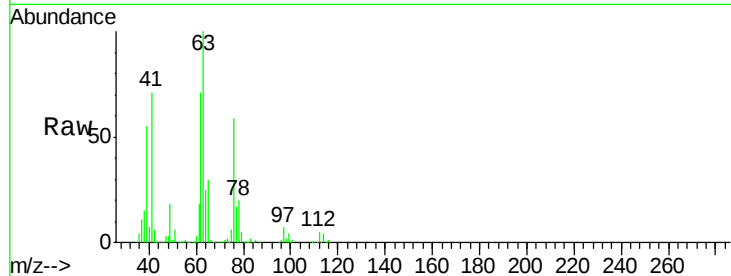




#37
 1,2-Dichloropropane
 Concen: 168.433 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

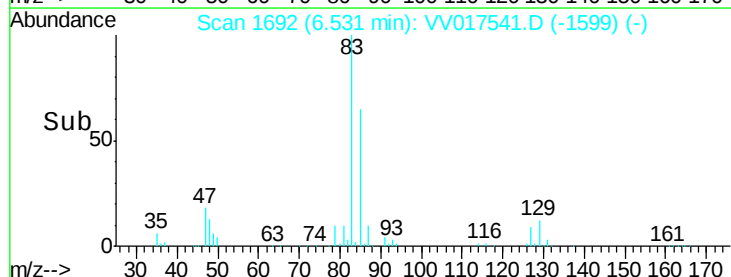
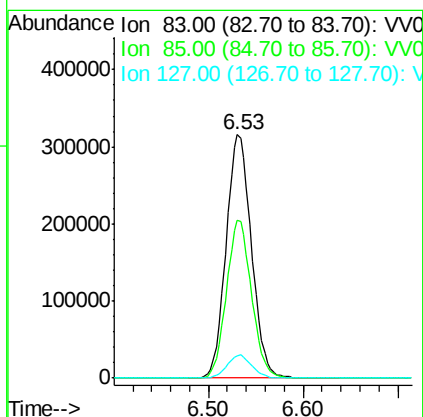
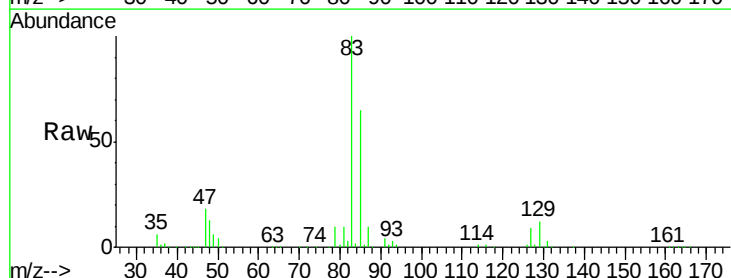
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

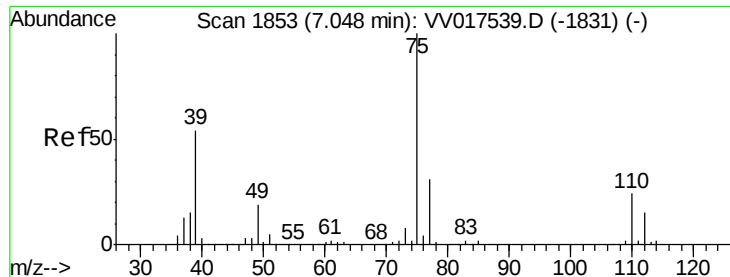
Tgt Ion: 63 Resp: 341716
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#38
 Bromodichloromethane
 Concen: 175.700 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

Tgt Ion: 83 Resp: 585500
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.4 84.4
 127 9.3 7.6 11.4

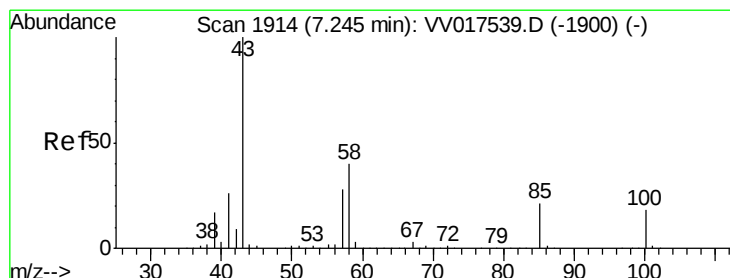
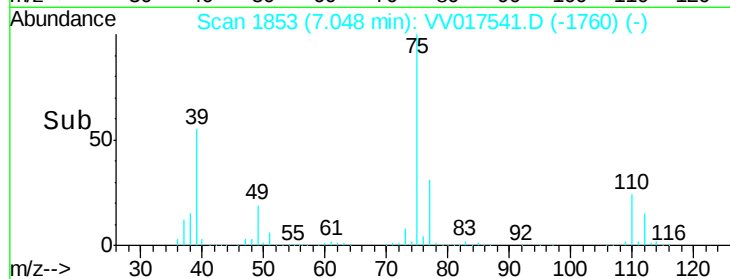
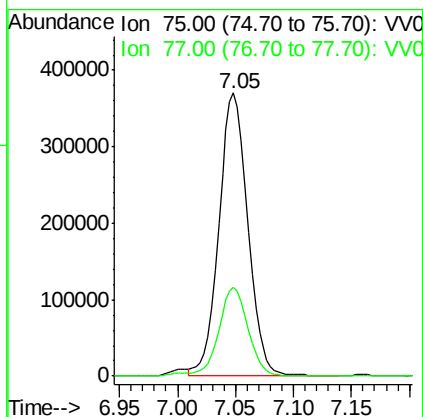
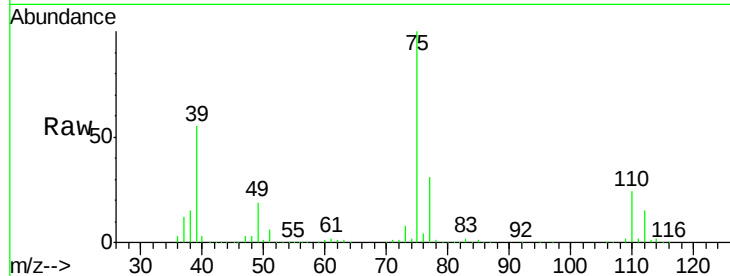




#39
 cis-1,3-Dichloropropene
 Concen: 184.427 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

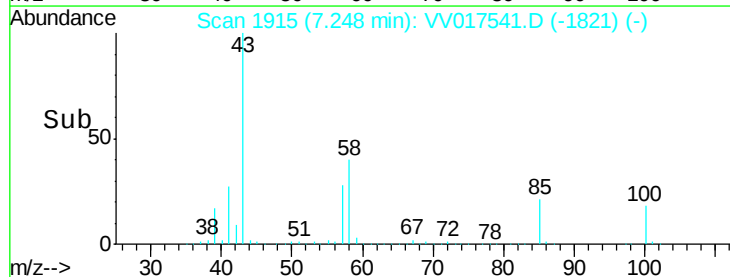
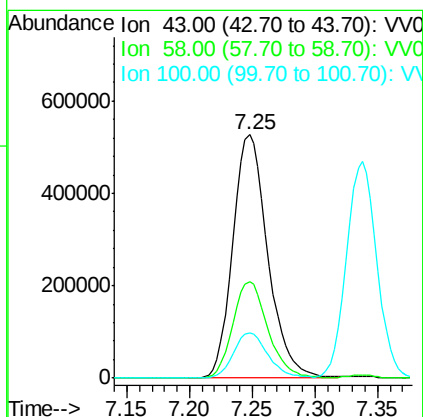
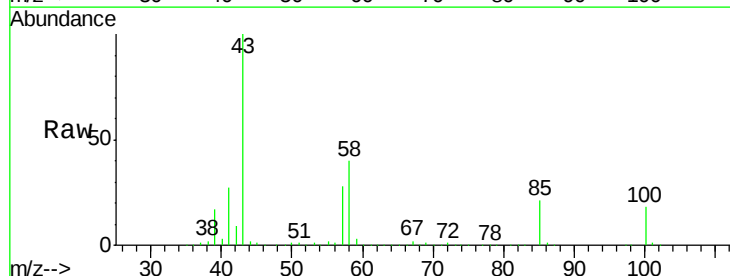
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

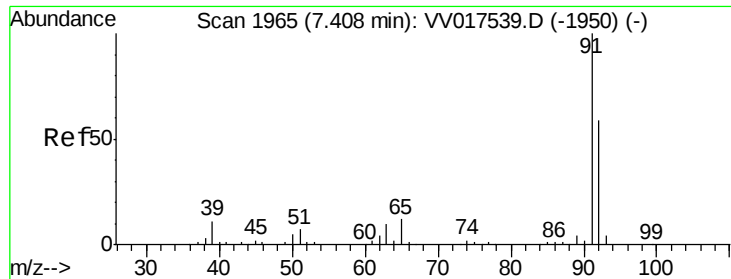
Tgt Ion: 75 Resp: 644004
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 360.974 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

Tgt Ion: 43 Resp: 1021151
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.6
 100 18.4 14.6 21.8





#42

Toluene

Concen: 169.989 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

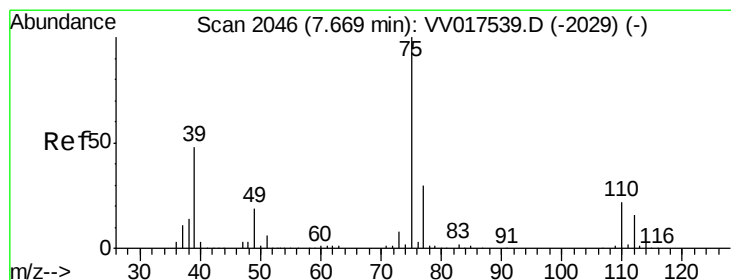
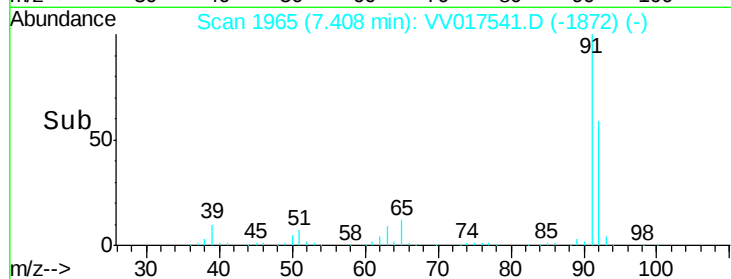
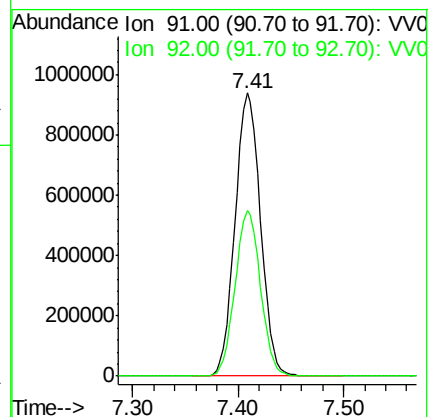
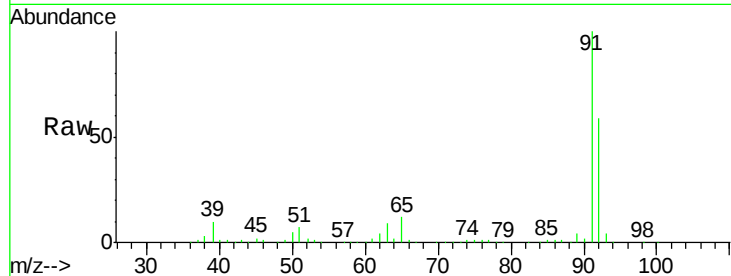
VSTD20063

Tgt Ion: 91 Resp: 1568704

Ion Ratio Lower Upper

91 100

92 58.7 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 188.444 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017541.D

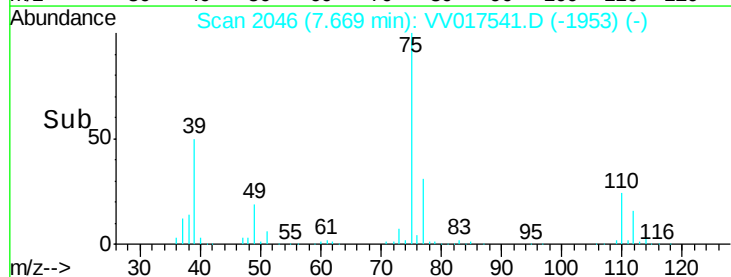
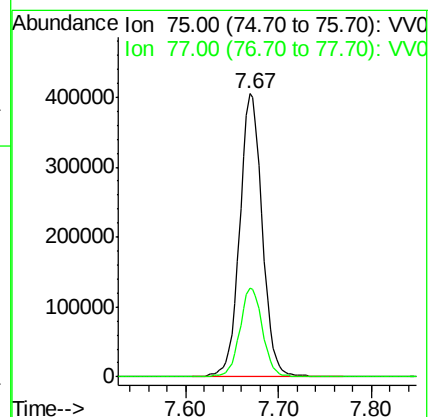
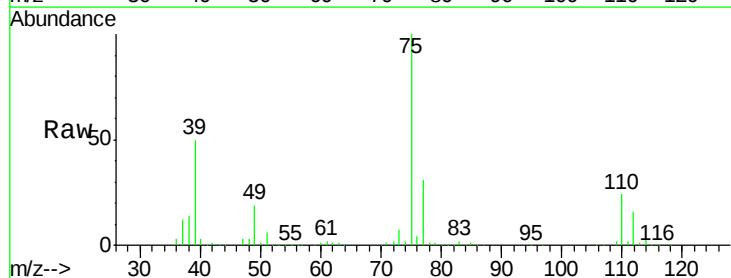
Acq: 20 Jul 2020 13:22

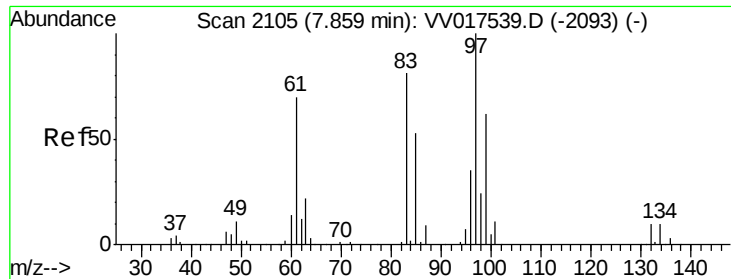
Tgt Ion: 75 Resp: 680702

Ion Ratio Lower Upper

75 100

77 31.3 21.2 39.4

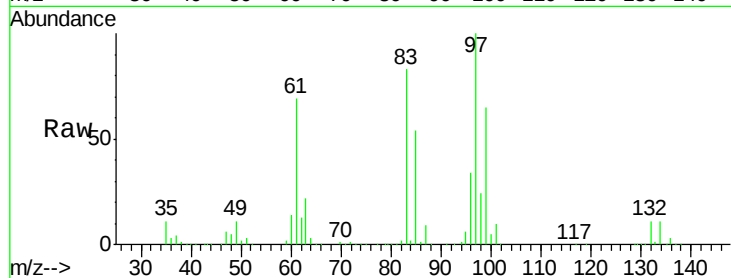




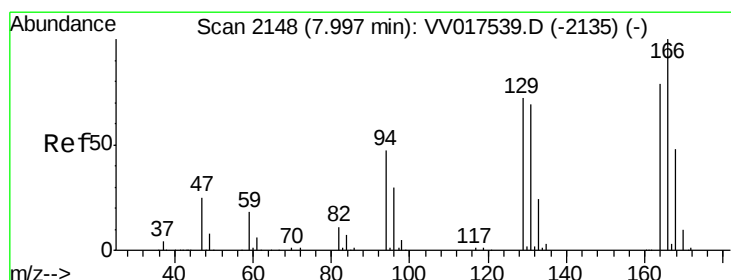
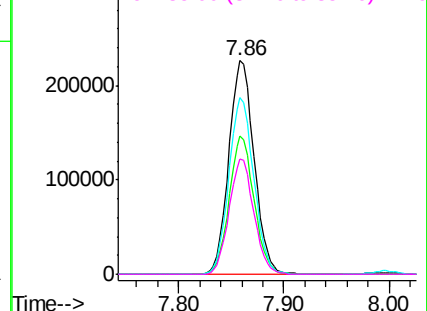
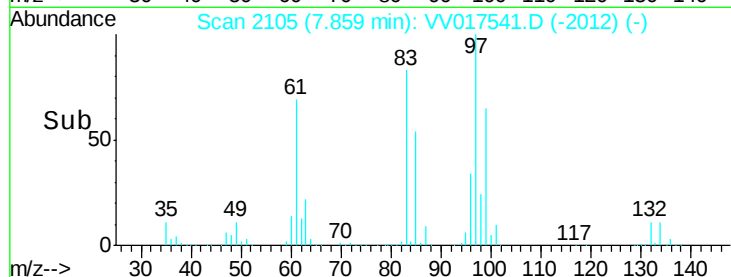
#45
1,1,2-Trichloroethane
Concen: 168.691 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion:	97	Resp:	374904
Ion	Ratio	Lower	Upper
97	100		
99	64.7	43.4	80.6
83	82.8	56.9	105.7
85	54.0	36.9	68.5

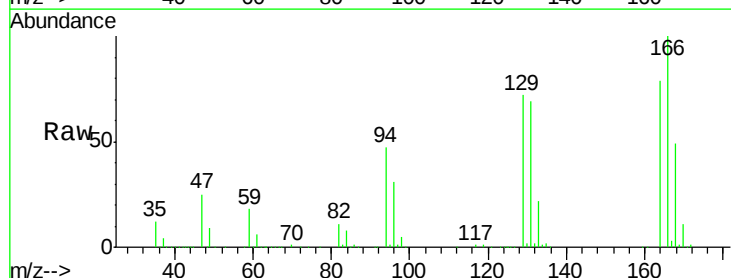


Abundance Ion 97.00 (96.70 to 97.70): VV017541.D (-2012) (-)

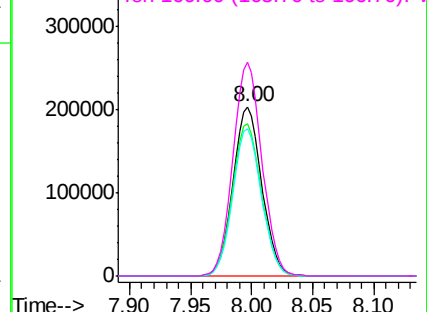
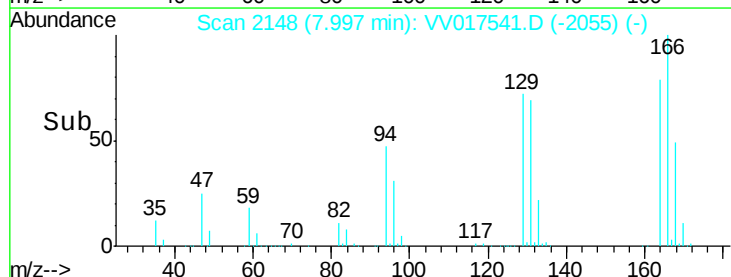


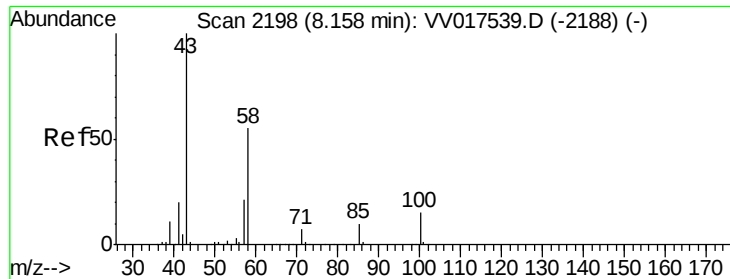
#46
Tetrachloroethene
Concen: 162.490 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion:	164	Resp:	335978
Ion	Ratio	Lower	Upper
164	100		
129	90.4	63.6	118.2
131	87.4	61.3	113.9
166	126.3	88.4	164.2



Abundance Ion 164.00 (163.70 to 164.70): VV017541.D (-2055) (-)

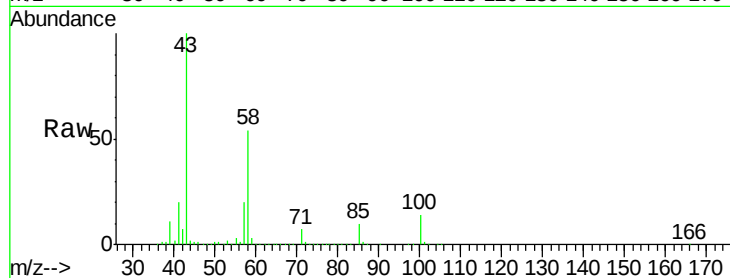




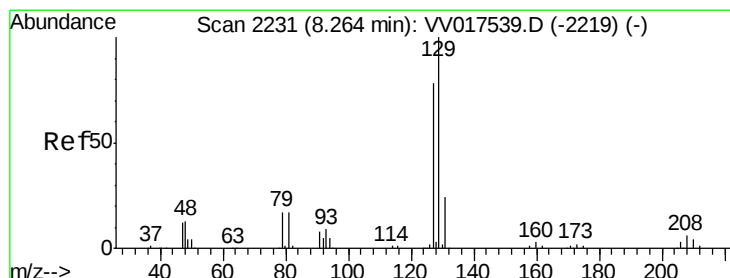
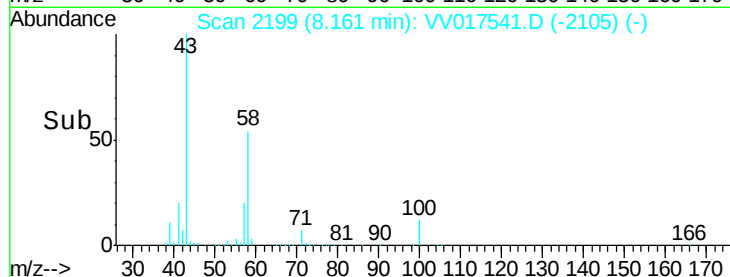
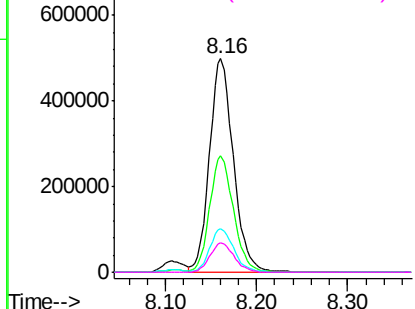
#48
2-Hexanone
Concen: 397.892 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion: 43 Resp: 910828
Ion Ratio Lower Upper
43 100
58 53.9 43.3 64.9
57 20.4 17.2 25.8
100 13.8 11.7 17.5

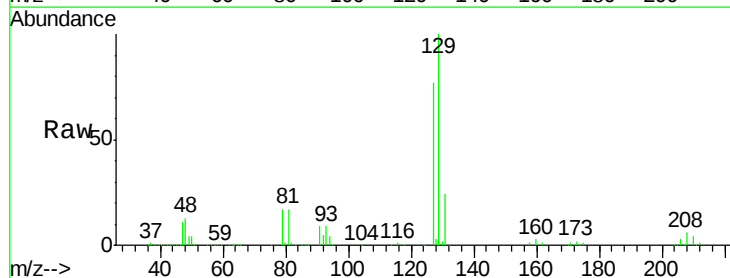


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

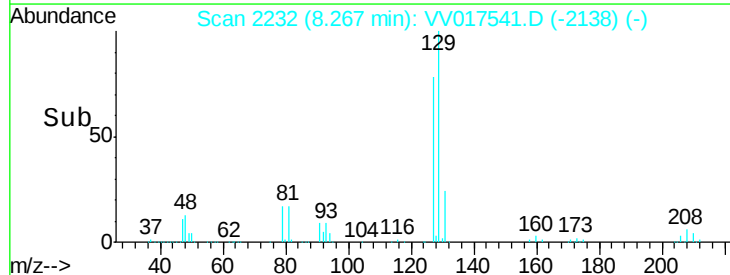
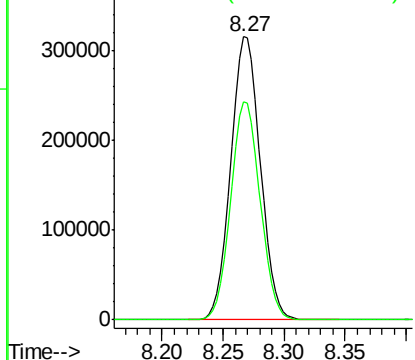


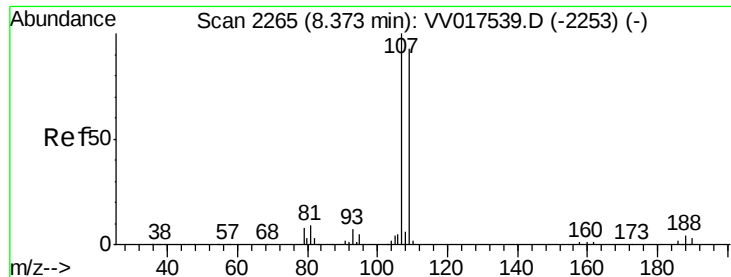
#49
Dibromochloromethane
Concen: 191.914 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion: 129 Resp: 535436
Ion Ratio Lower Upper
129 100
127 77.3 54.3 100.9



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

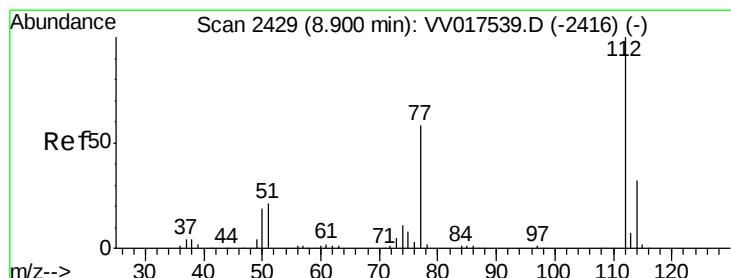
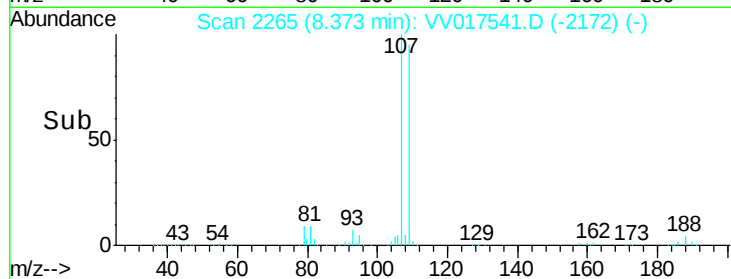
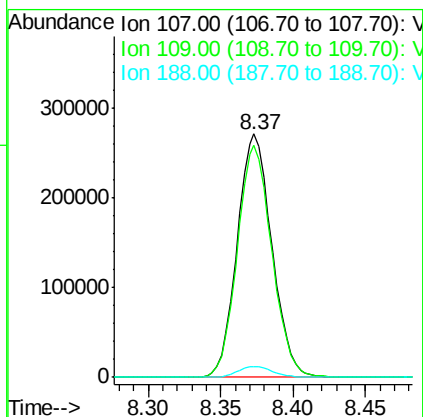
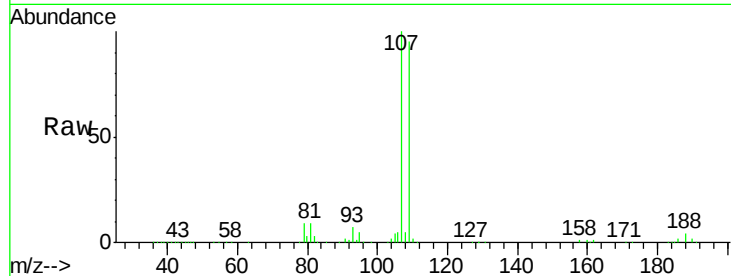




#50
1,2-Dibromoethane
Concen: 184.040 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

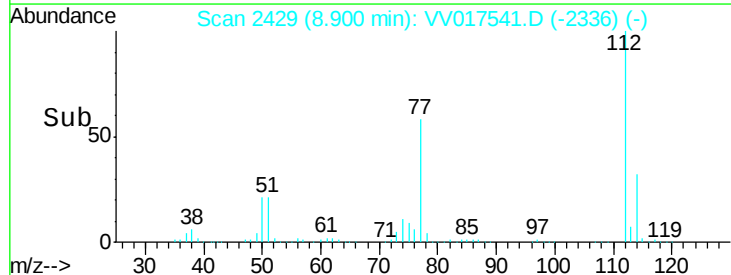
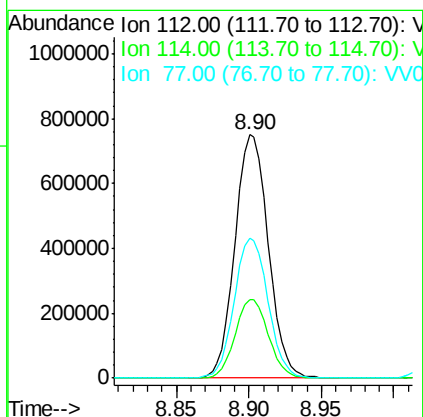
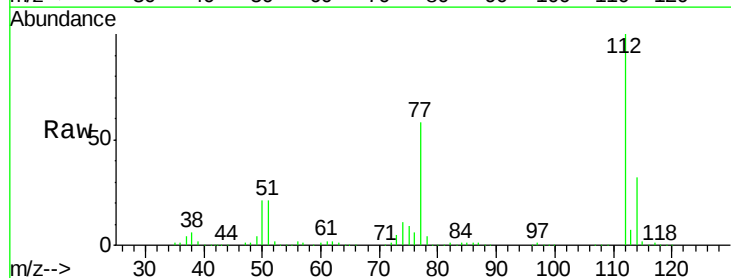
Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

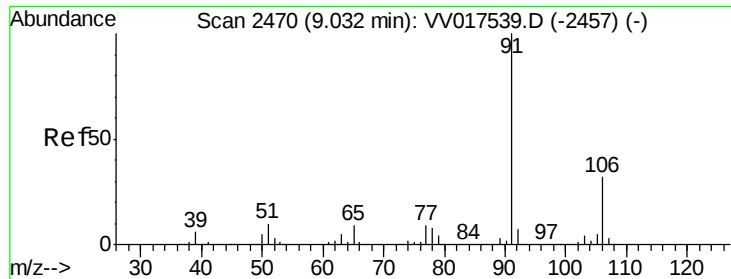
Tgt Ion:107 Resp: 449191
Ion Ratio Lower Upper
107 100
109 95.1 65.5 121.7
188 4.5 3.3 4.9



#51
Chlorobenzene
Concen: 190.695 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion:112 Resp: 1202847
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.1
77 57.7 46.9 70.3





#52

Ethylbenzene

Concen: 209.739 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

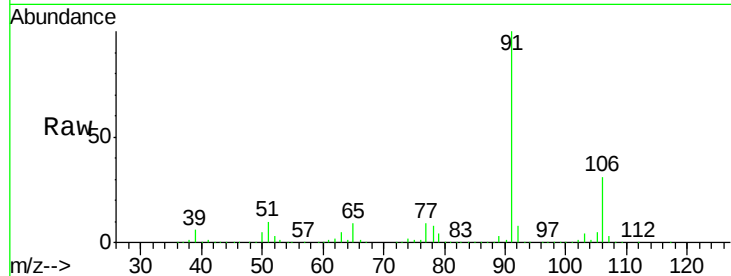
VSTD20063

Tgt Ion: 91 Resp: 2223182

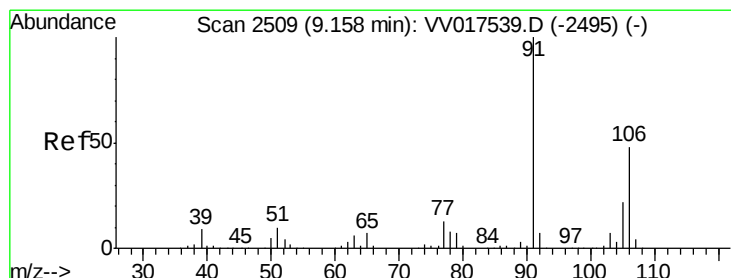
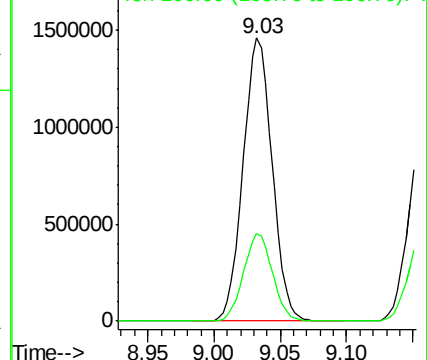
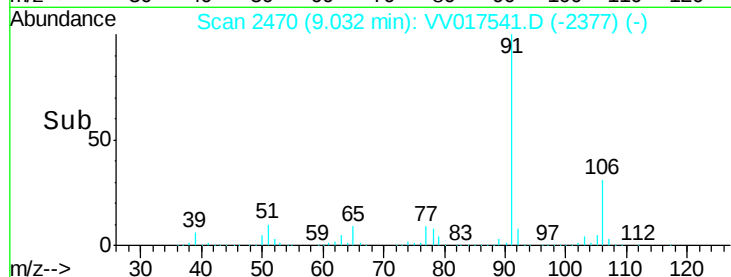
Ion Ratio Lower Upper

91 100

106 30.8 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VV017541.D (-2377) (-)



#53

m,p-Xylene

Concen: 189.377 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017541.D

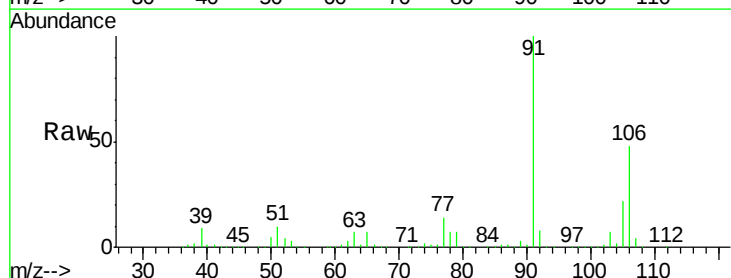
Acq: 20 Jul 2020 13:22

Tgt Ion: 106 Resp: 750147

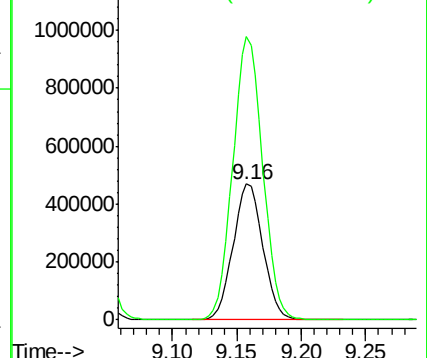
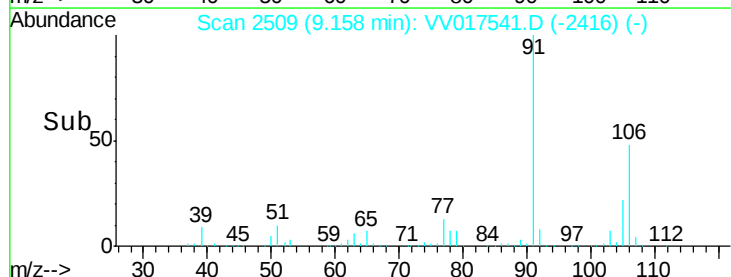
Ion Ratio Lower Upper

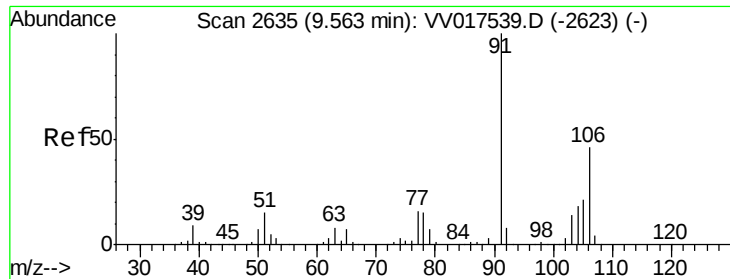
106 100

91 208.7 146.2 271.4



Abundance Ion 106.00 (105.70 to 106.70): VV017541.D (-2416) (-)

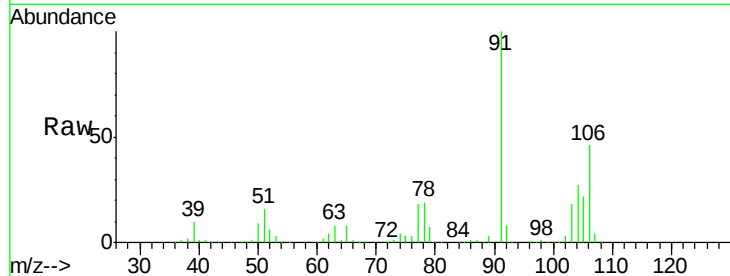




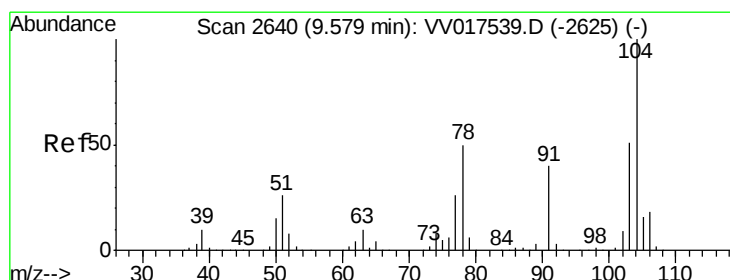
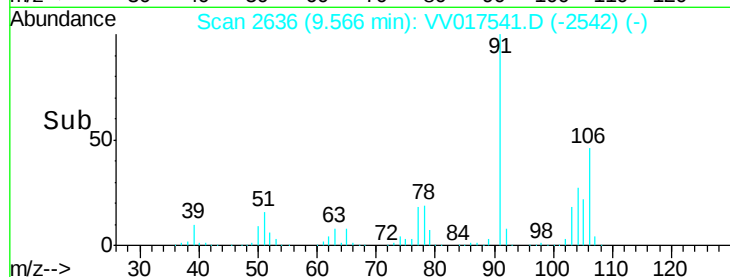
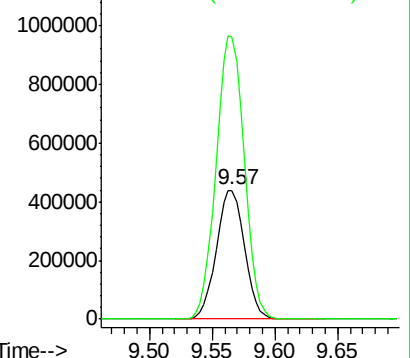
#54
o-xylene
Concen: 178.353 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion:106 Resp: 684012
Ion Ratio Lower Upper
106 100
91 218.9 151.6 281.6

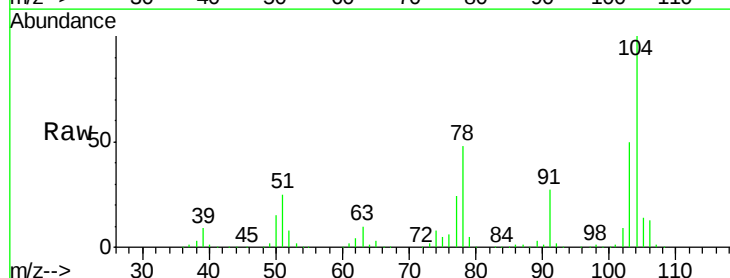


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

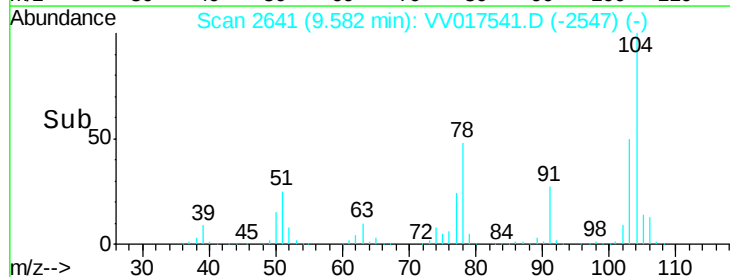
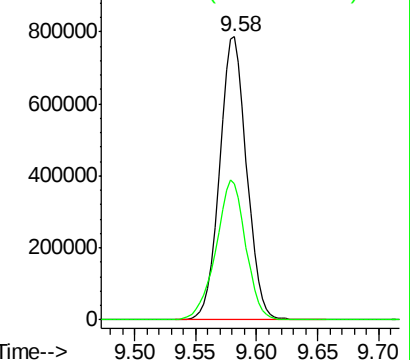


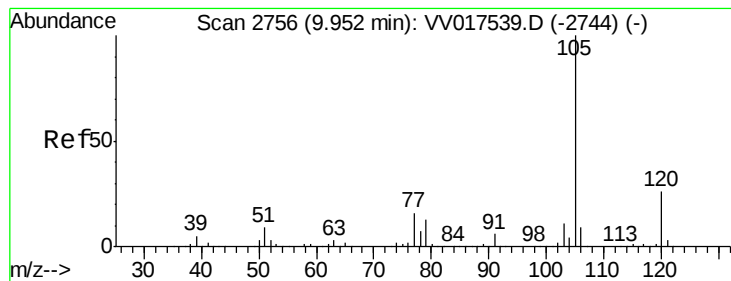
#55
Styrene
Concen: 181.838 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion:104 Resp: 1212753
Ion Ratio Lower Upper
104 100
78 48.2 34.7 64.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 176.660 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

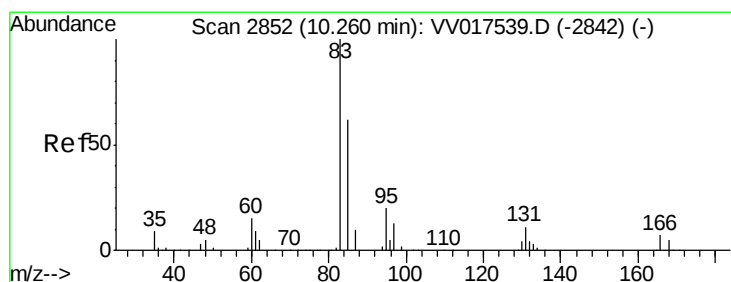
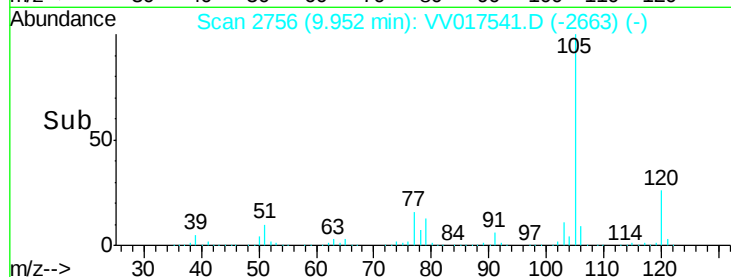
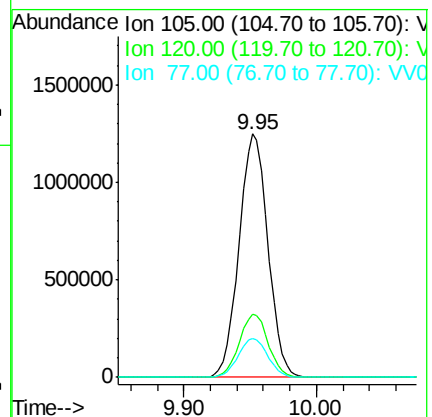
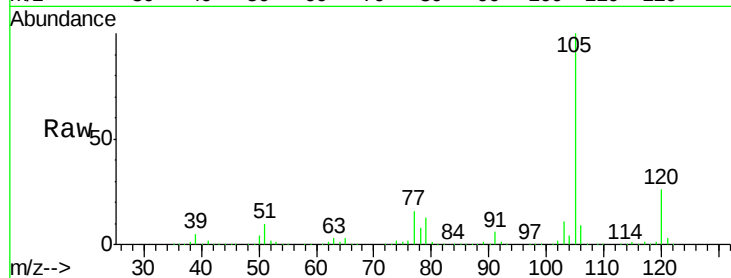
Tgt Ion:105 Resp: 1883116

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

77 16.3 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 178.365 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

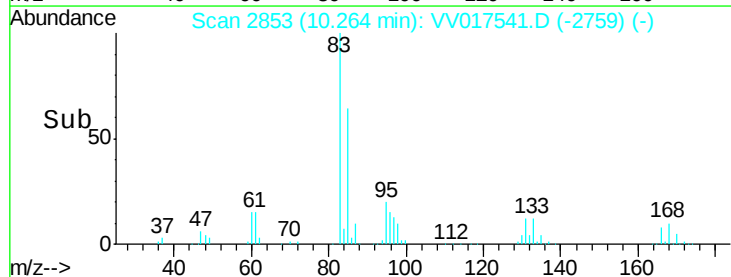
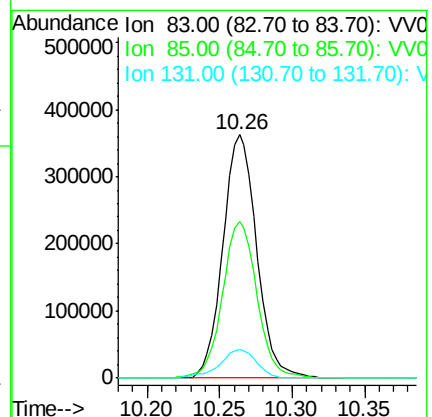
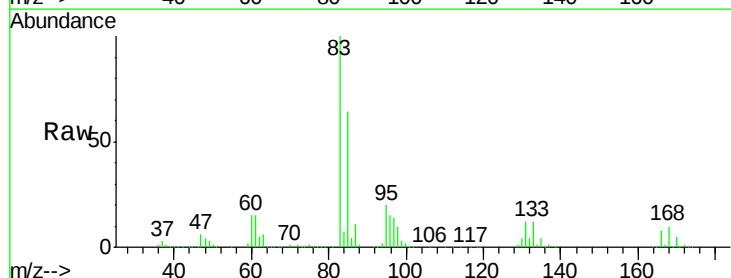
Tgt Ion: 83 Resp: 587293

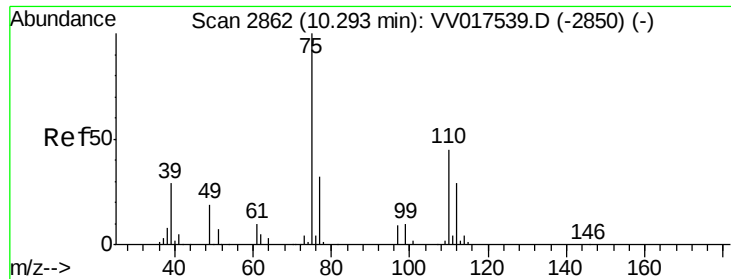
Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

131 11.7 9.4 14.0

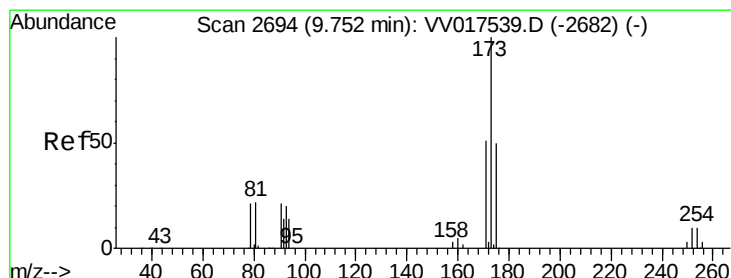
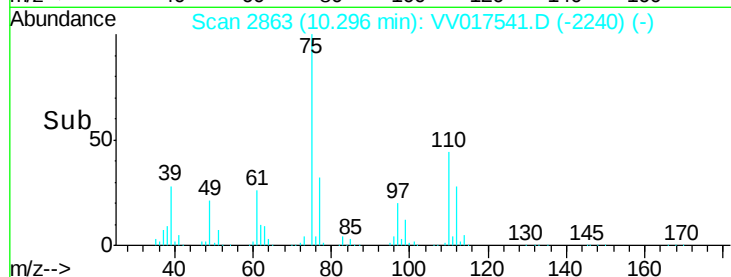
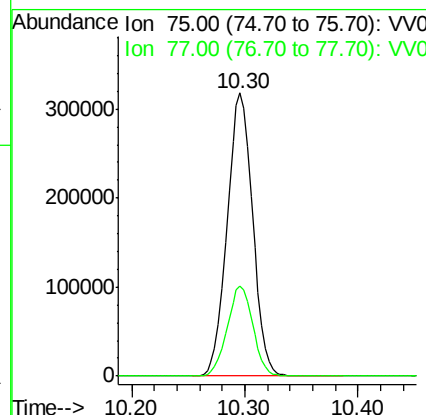
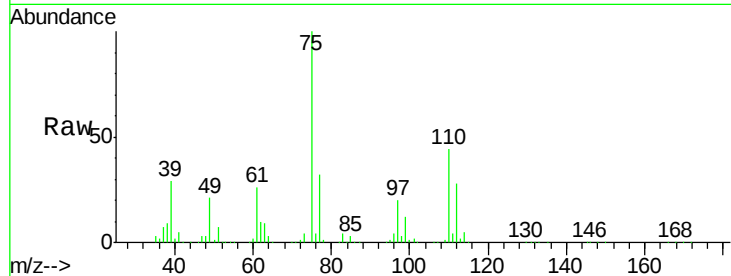




#59
 1,2,3-Trichloropropane
 Concen: 174.820 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

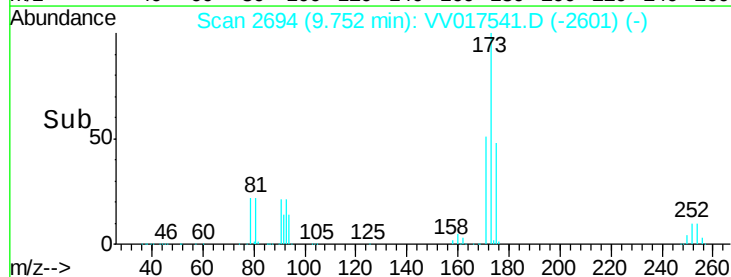
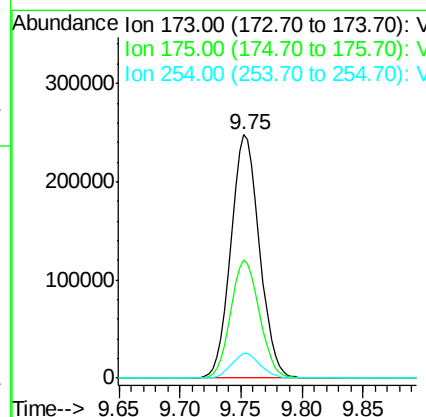
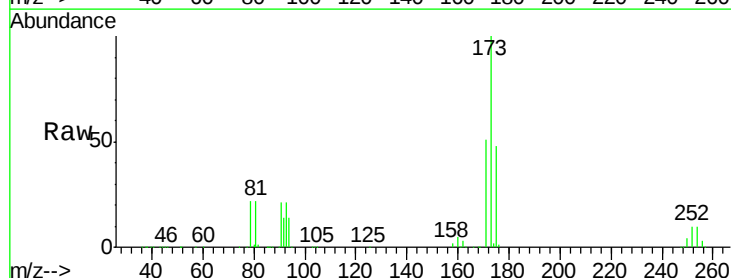
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20063

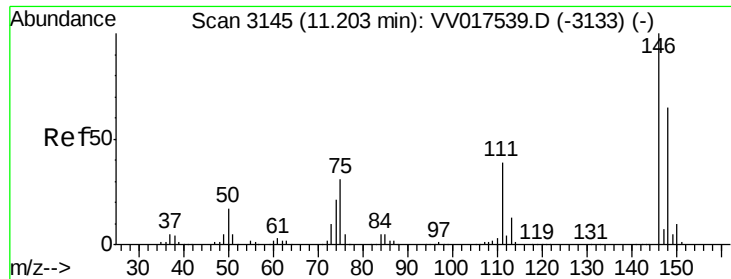
Tgt Ion: 75 Resp: 497751
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.9 38.9



#61
 Bromoform
 Concen: 184.117 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV017541.D
 Acq: 20 Jul 2020 13:22

Tgt Ion: 173 Resp: 407072
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.4 59.0
 254 10.1 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 169.966 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

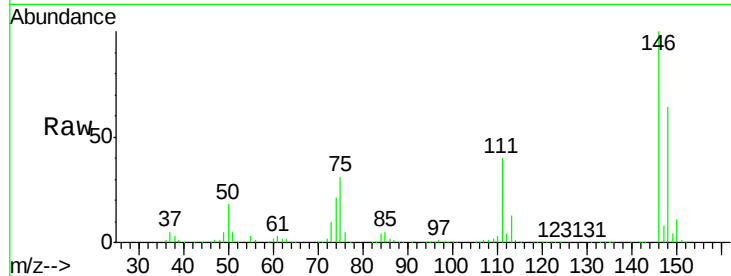
Tgt Ion:146 Resp: 960135

Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.2

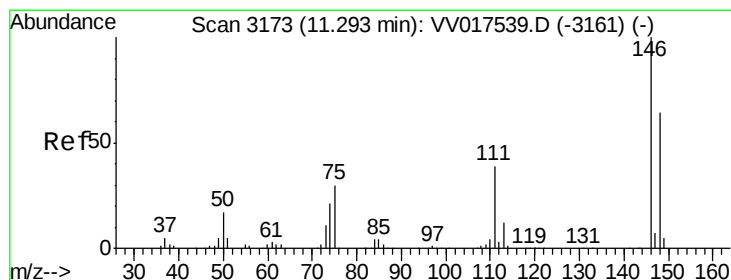
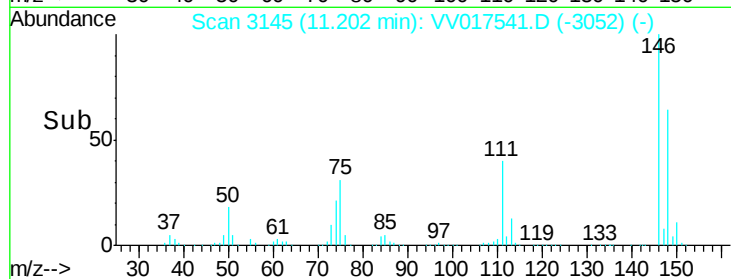
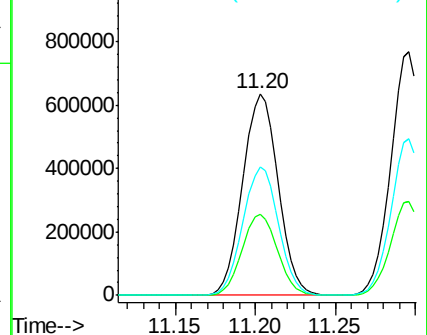
148 64.1 45.8 85.0



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



#63

1,4-Dichlorobenzene

Concen: 193.663 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

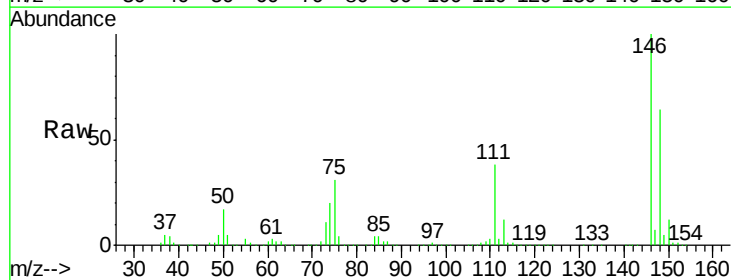
Tgt Ion:146 Resp: 1115749

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.4

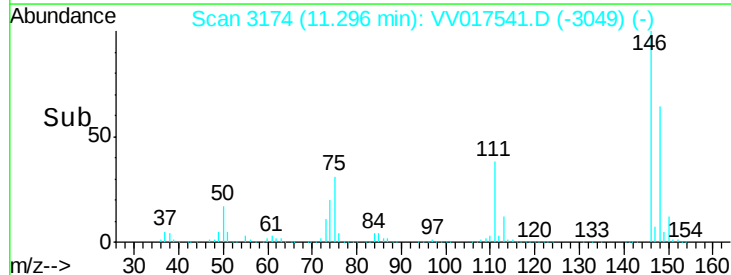
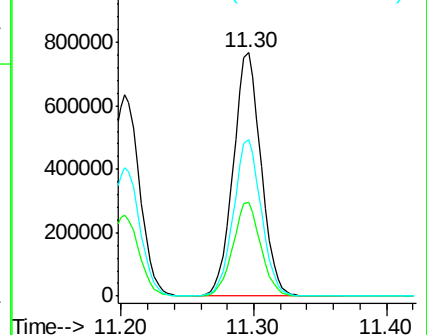
148 64.3 44.7 82.9

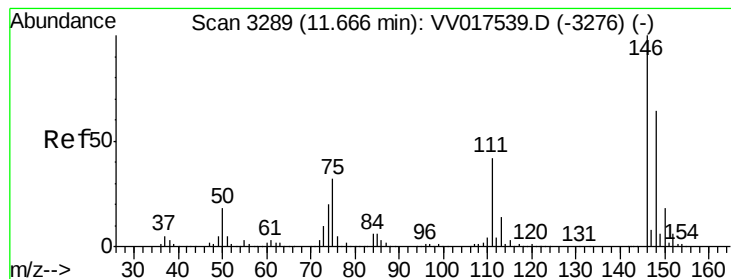


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 187.532 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

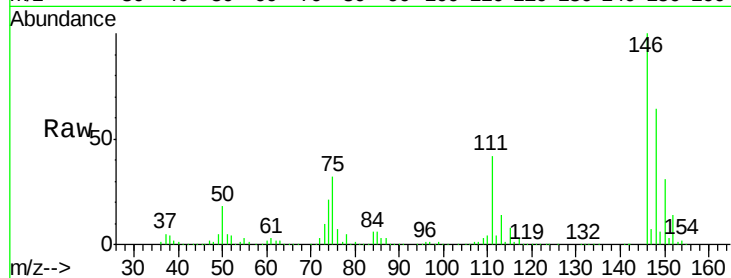
Tgt Ion:146 Resp: 1061702

Ion Ratio Lower Upper

146 100

111 42.0 33.8 50.8

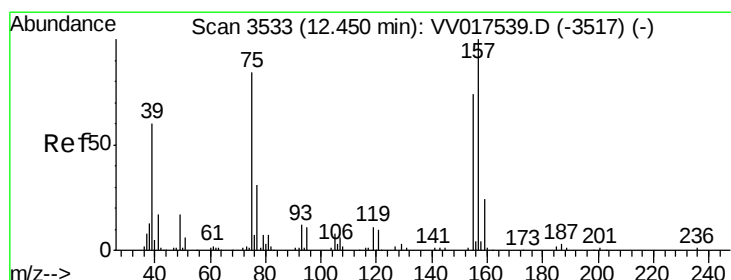
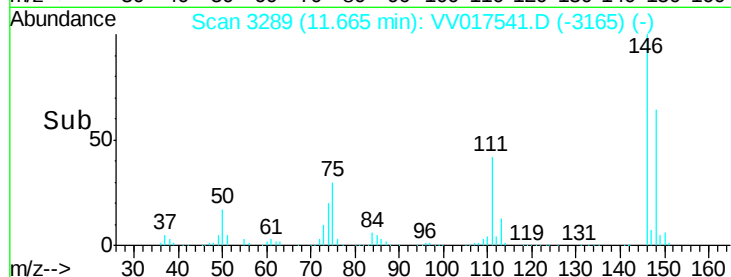
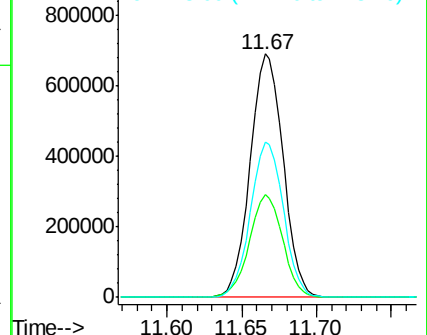
148 63.6 50.9 76.3



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: 198.188 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

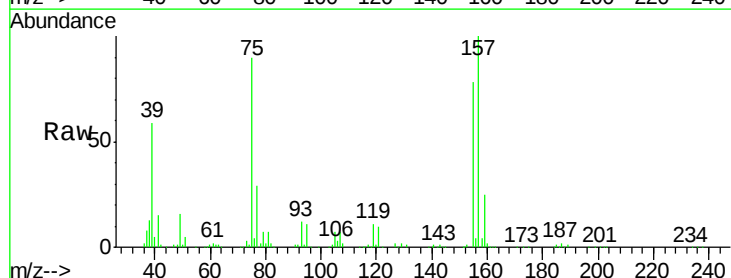
Tgt Ion: 75 Resp: 186496

Ion Ratio Lower Upper

75 100

155 86.8 70.6 105.8

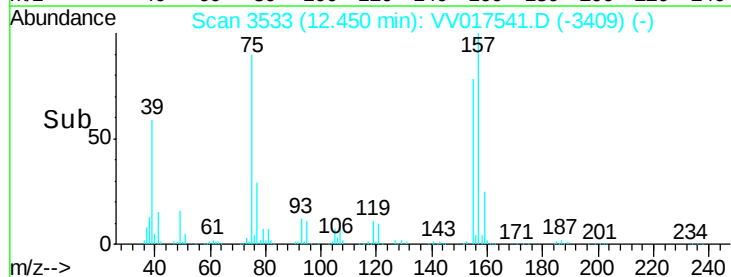
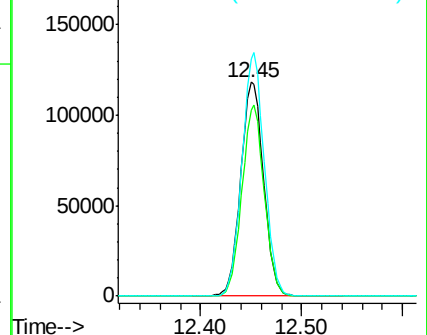
157 111.1 95.2 142.8

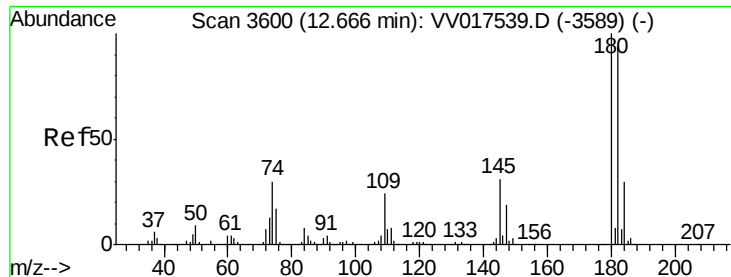


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

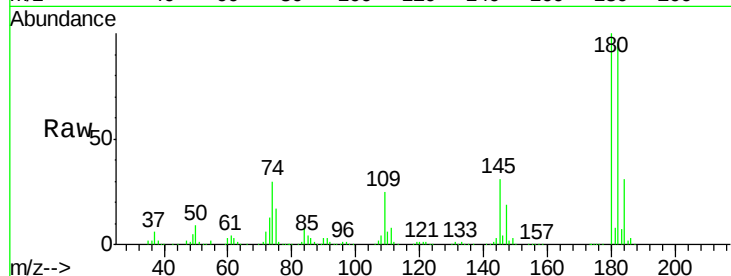




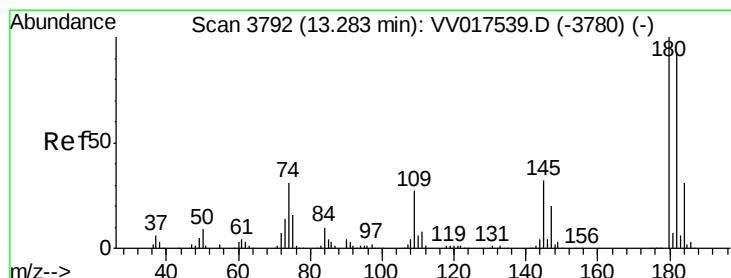
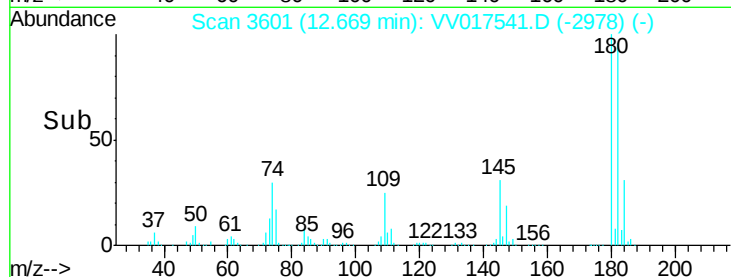
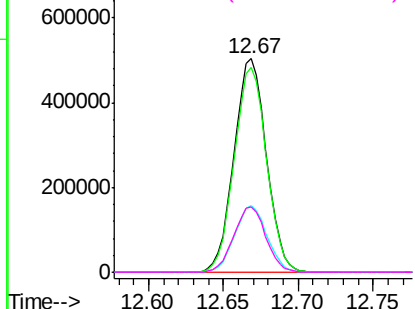
#67
1,3,5-Trichlorobenzene
Concen: 176.217 ug/L
RT: 12.67 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD20063

Tgt Ion:	180	Resp:	758292
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
184	31.0	24.4	36.6
145	30.5	24.2	36.4

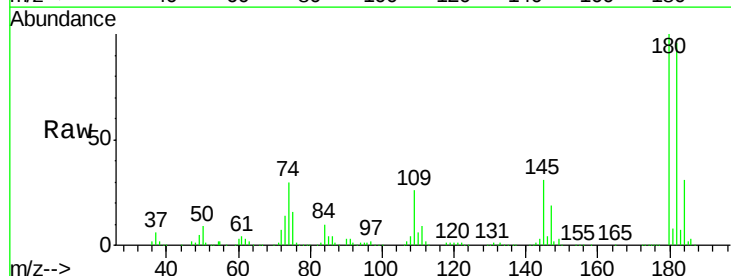


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V

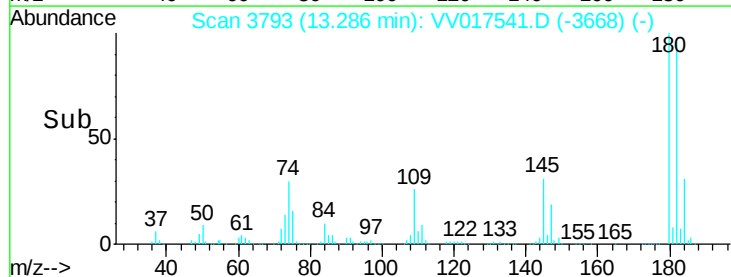
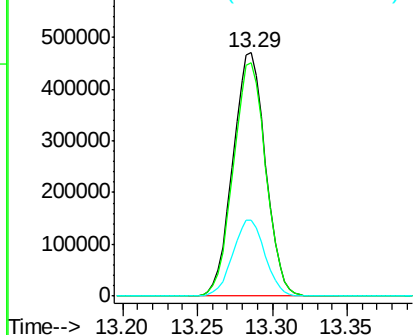


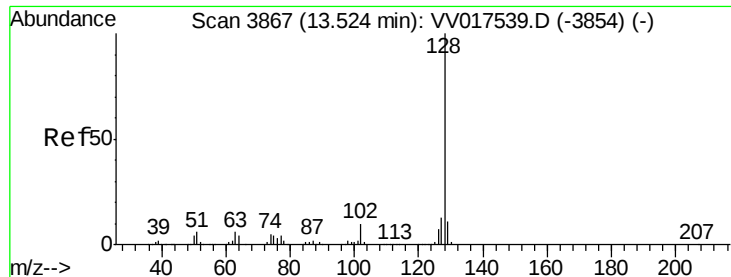
#68
1,2,4-trichlorobenzene
Concen: 188.177 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV017541.D
Acq: 20 Jul 2020 13:22

Tgt Ion:	180	Resp:	712961
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
145	31.0	24.9	37.3



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





#69

Naphthalene

Concen: 199.636 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD20063

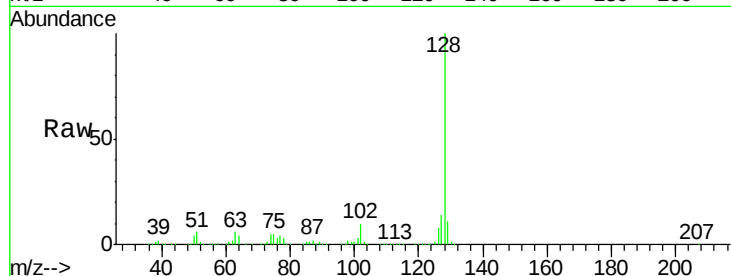
Tgt Ion:128 Resp: 2105536

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

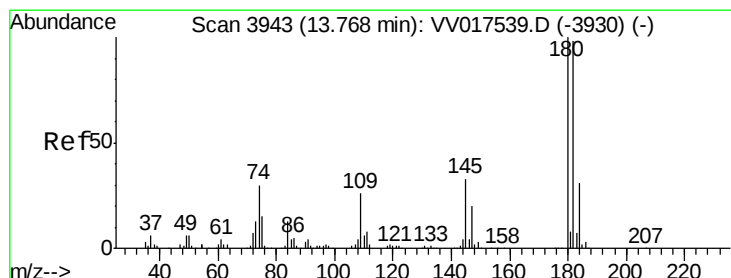
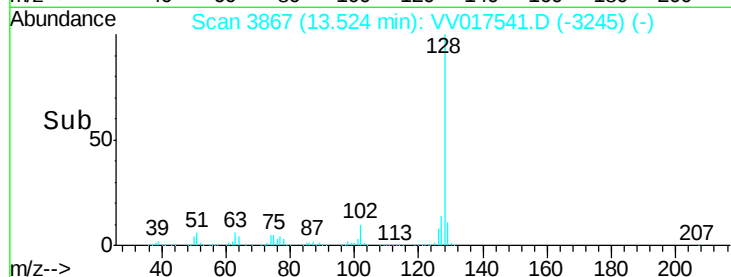
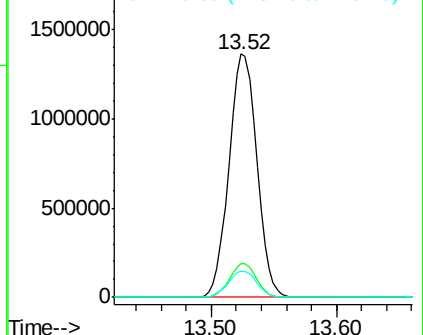
129 10.9 9.0 13.6



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: 183.175 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017541.D

Acq: 20 Jul 2020 13:22

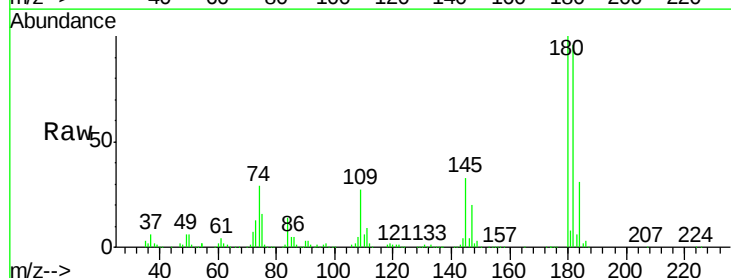
Tgt Ion:180 Resp: 701768

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 33.2 26.5 39.7



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

