

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017565.D
 Acq On : 21 Jul 2020 15:02
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Quant Time: Jul 22 02:38:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 02:35:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	345932	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	337304	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	190124	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	405006	207.19	ug/L	0.00
7) Chloroethane-d5	1.58	69	267047	172.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	833095	179.43	ug/L	0.00
21) 2-Butanone-d5	3.90	46	695902	477.16	ug/L	0.00
24) Chloroform-d	4.37	84	977064	215.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	662296	215.34	ug/L	0.00
32) Benzene-d6	5.07	84	1773994	228.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	532020	229.28	ug/L	0.00
41) Toluene-d8	7.34	98	1690940	229.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	327912	234.69	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	535865	497.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	761779	230.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	754201	210.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	665365	201.120	ug/L 99
3) Chloromethane	1.25	50	509112	192.711	ug/L 99
5) Vinyl chloride	1.32	62	493395	179.585	ug/L 99
6) Bromomethane	1.53	94	288574	163.741	ug/L 96
8) Chloroethane	1.59	64	239503	156.800	ug/L 99
9) Trichlorofluoromethane	1.76	101	802175	169.757	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	397245	158.768	ug/L 98
12) 1,1-Dichloroethene	2.13	96	377429	166.774	ug/L 96
13) Acetone	2.19	43	517872	306.273	ug/L 99
14) Carbon disulfide	2.31	76	1370477	210.096	ug/L 99
15) Methyl Acetate	2.44	43	516030	204.154	ug/L 98
16) Methylene chloride	2.52	84	492453	185.797	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	471628	204.276	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	1626159	200.215	ug/L 100
19) 1,1-Dichloroethane	3.21	63	861293	201.692	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	522097	208.262	ug/L 95
22) 2-Butanone	3.99	43	732227	450.969	ug/L 99
23) Bromochloromethane	4.27	128	281972	202.770	ug/L 99
25) Chloroform	4.40	83	940292	199.267	ug/L 98
27) 1,2-Dichloroethane	5.15	62	810294	200.885	ug/L 99
29) Cyclohexane	4.70	56	767526	224.597	ug/L 98
30) 1,1,1-Trichloroethane	4.63	97	888185	194.972	ug/L 99
31) Carbon tetrachloride	4.85	117	803313	192.734	ug/L 98
33) Benzene	5.12	78	1899423	210.868	ug/L 100
34) Trichloroethene	5.94	95	518324	209.301	ug/L 99
35) Methylcyclohexane	6.15	83	807204	217.859	ug/L 99
37) 1,2-Dichloropropane	6.20	63	482002	210.291	ug/L 100
38) Bromodichloromethane	6.53	83	727680	200.893	ug/L 99
39) cis-1,3-Dichloropropene	7.05	75	868756	226.898	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	1402095	441.611	ug/L 100

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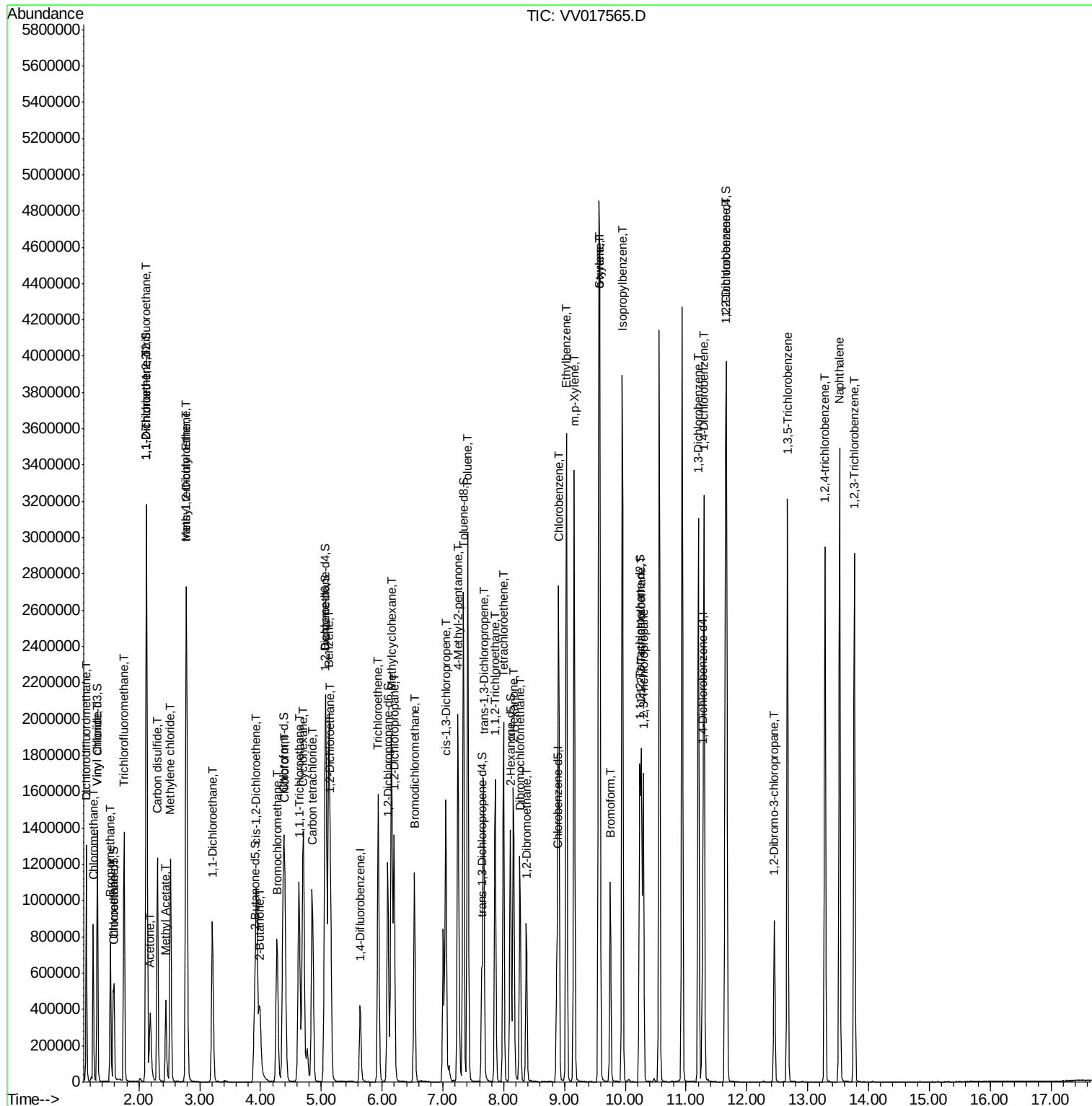
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2089698	210.354	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	870621	217.697	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	487723	198.691	ug/L	99
46) Tetrachloroethene	8.00	164	440330	204.608	ug/L	99
48) 2-Hexanone	8.16	43	1109873	438.301	ug/L	99
49) Dibromochloromethane	8.27	129	622214	203.790	ug/L	99
50) 1,2-Dibromoethane	8.37	107	541949	202.940	ug/L	98
51) Chlorobenzene	8.90	112	1376203	198.860	ug/L	98
52) Ethylbenzene	9.03	91	2388099	205.646	ug/L	100
53) m,p-Xylene	9.16	106	917378	211.615	ug/L	98
54) o-xylene	9.56	106	886494	210.460	ug/L	99
55) Styrene	9.58	104	1564414	217.907	ug/L	99
56) Isopropylbenzene	9.95	105	2415752	212.643	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	773693	210.106	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	640942	204.546	ug/L	100
61) Bromoform	9.75	173	492819	202.055	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	1211214	199.311	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1217980	192.722	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1204162	191.466	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	212806	186.465	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	959357	198.147	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	876649	202.352	ug/L	99
69) Naphthalene	13.52	128	2600989	212.748	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	862377	199.947	ug/L	100

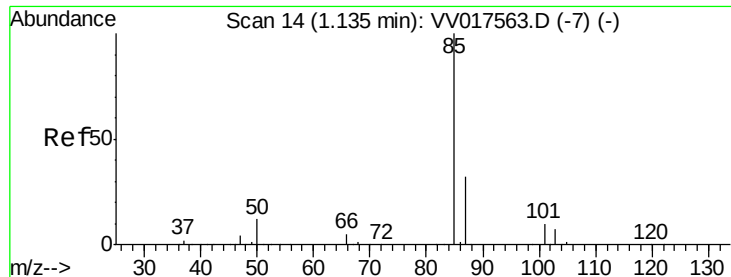
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 201.120 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

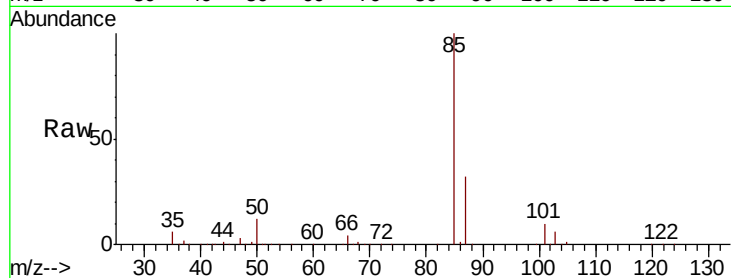
VSTD20064

Tot Ion: 85 Resp: 665365

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV017563.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017563.D (-7) (-)

1.14

800000

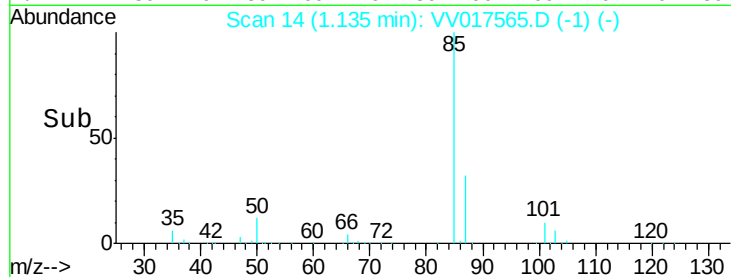
600000

400000

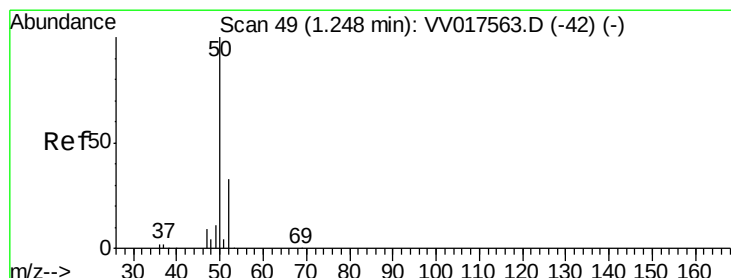
200000

0

Time-->



Time-->



#3

Chloromethane

Concen: 192.711 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017565.D

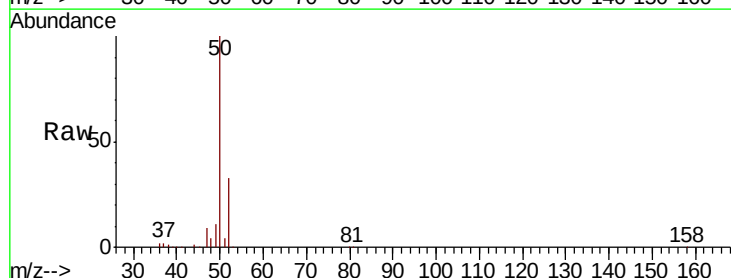
Acq: 21 Jul 2020 15:02

Tgt Ion: 50 Resp: 509112

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017563.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017563.D (-42) (-)

1.25

600000

500000

400000

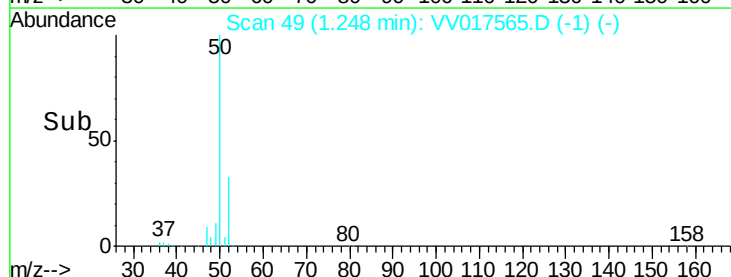
300000

200000

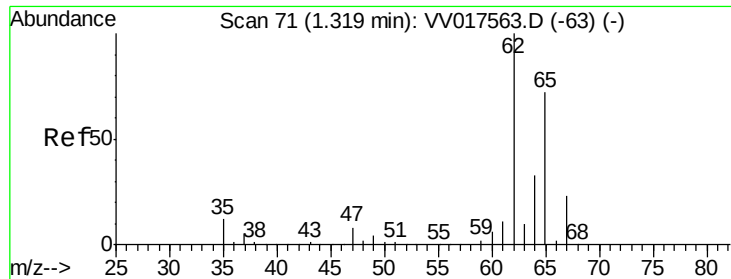
100000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 179.585 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampled :

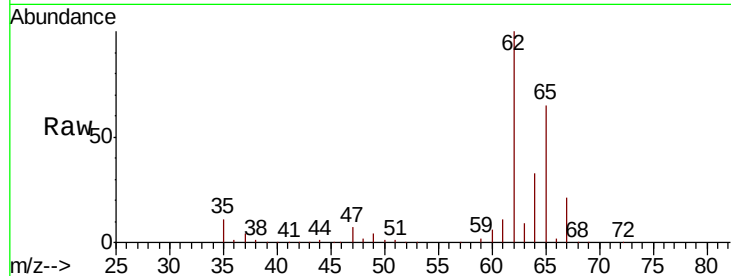
VSTD20064

Tot Ion: 62 Resp: 493395

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

500000

400000

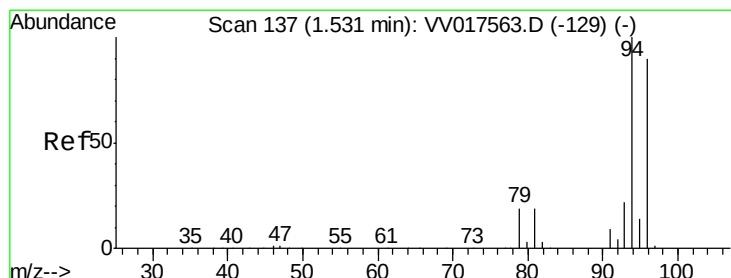
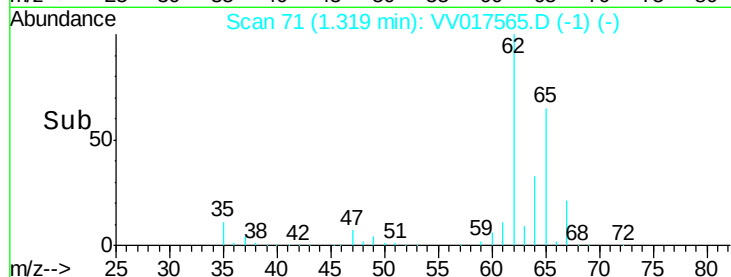
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 163.741 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017565.D

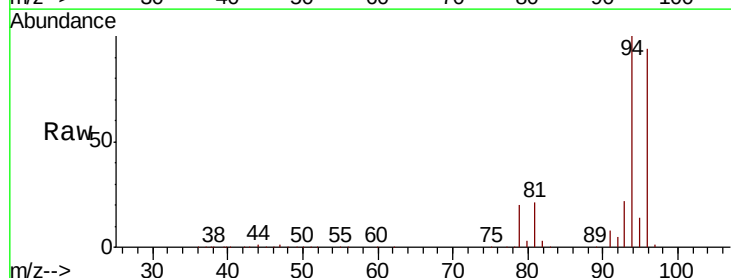
Acq: 21 Jul 2020 15:02

Tgt Ion: 94 Resp: 288574

Ion Ratio Lower Upper

94 100

96 94.2 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

300000

250000

200000

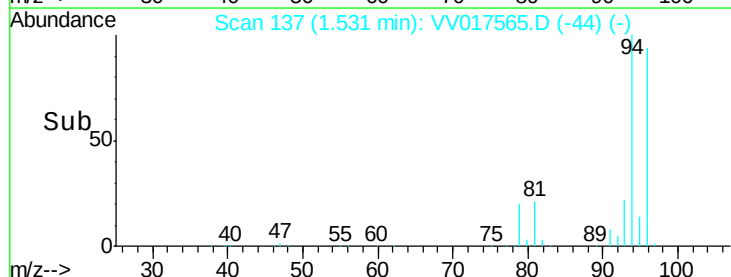
150000

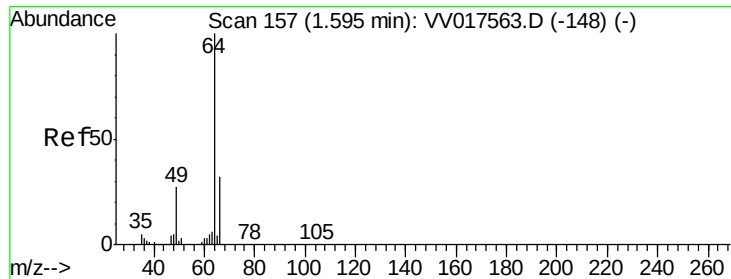
100000

50000

0

Time-->

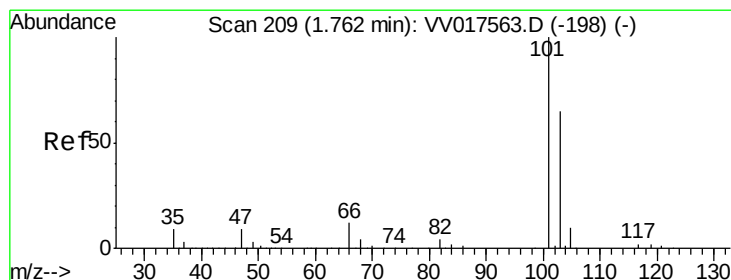
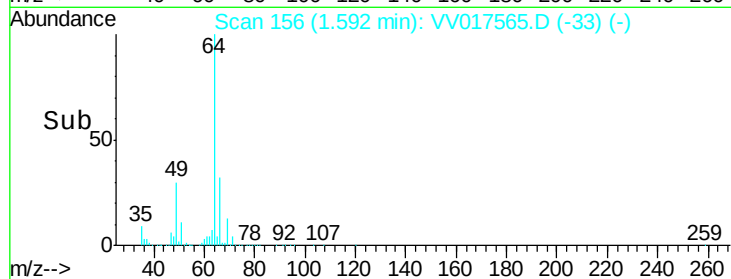
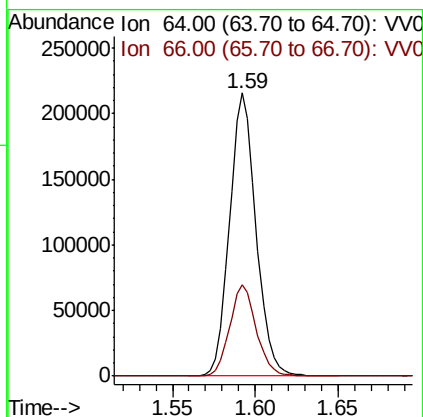
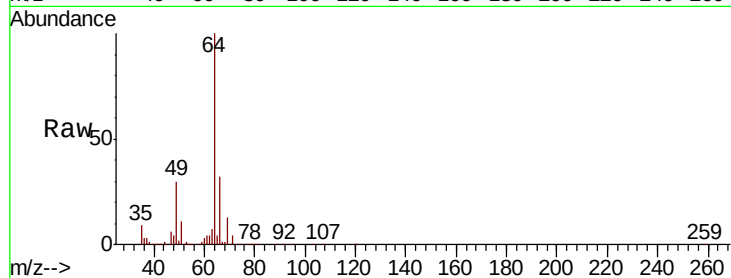




#8
Chloroethane
Concen: 156.800 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

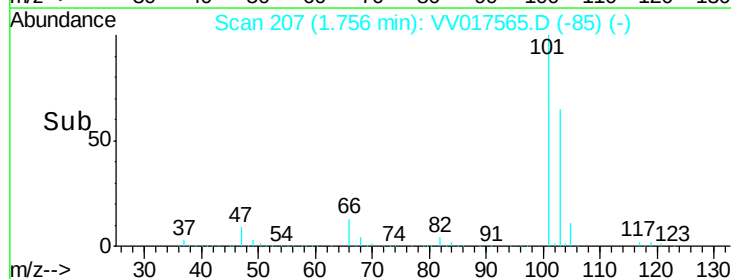
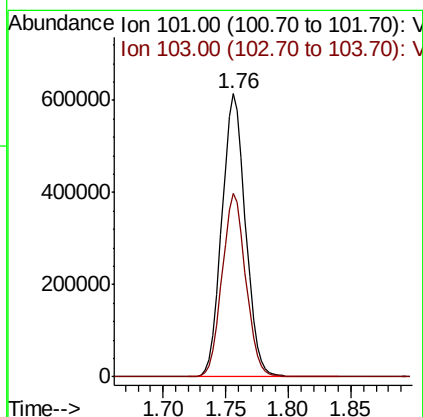
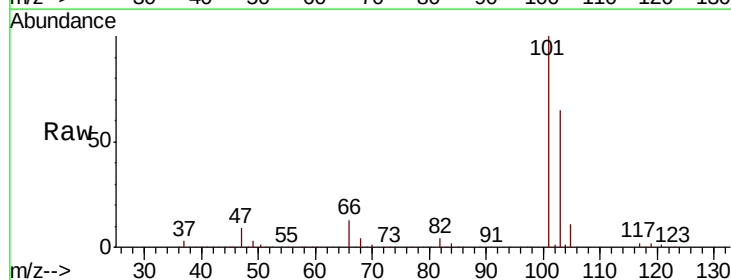
Instrument :
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VSTD20064

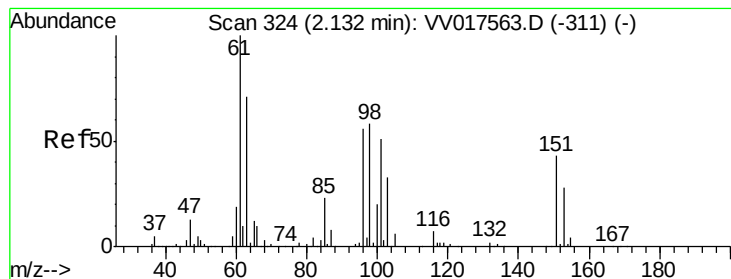
Tot Ion: 64 Resp: 239503
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 169.757 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.01 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Tgt Ion: 101 Resp: 802175
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 158.768 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

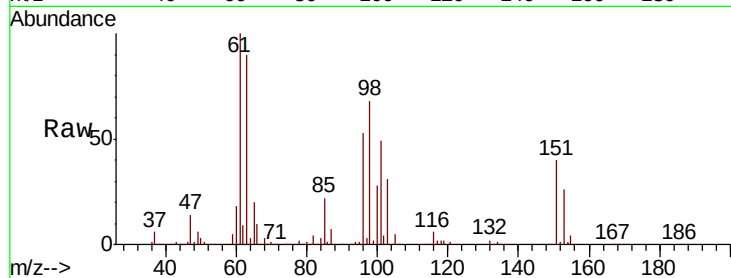
Tot Ion:101 Resp: 397245

Ion Ratio Lower Upper

101 100

85 44.3 35.1 52.7

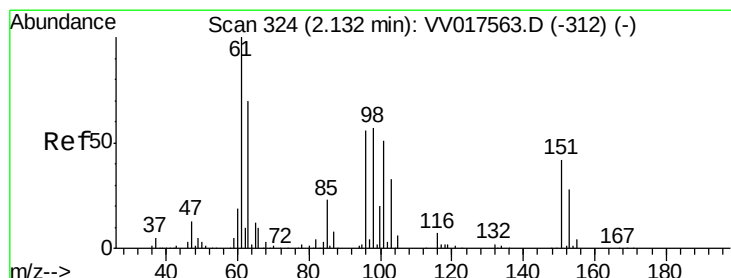
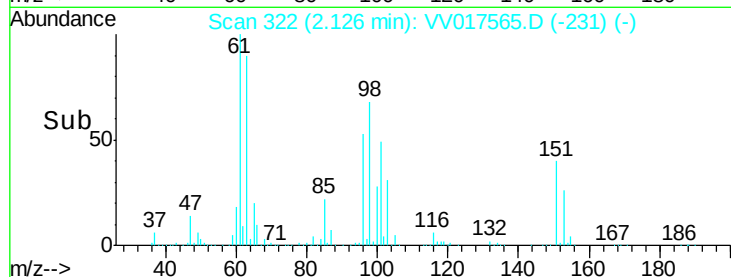
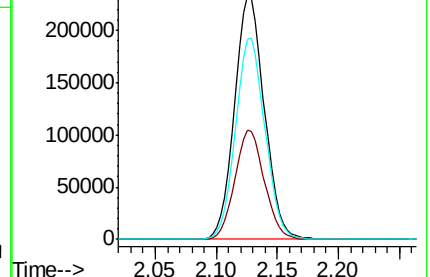
151 81.7 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): VV017563.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017563.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017563.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 166.774 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

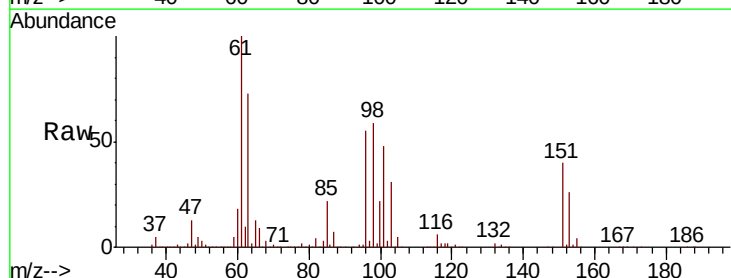
Tgt Ion: 96 Resp: 377429

Ion Ratio Lower Upper

96 100

61 183.0 124.5 231.3

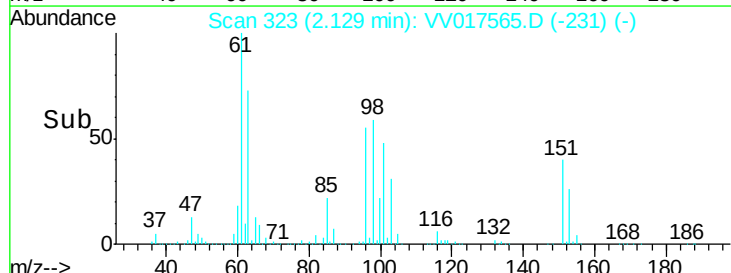
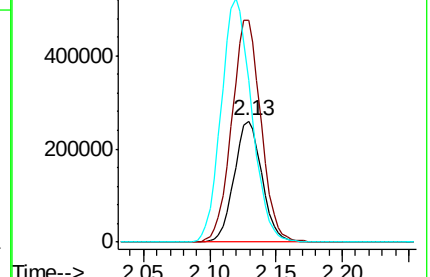
63 133.1 89.0 165.4

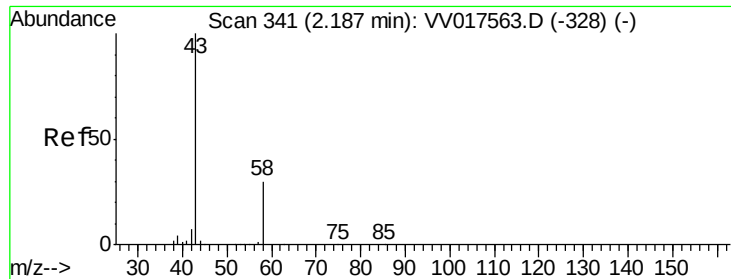


Abundance Ion 96.00 (95.70 to 96.70): VV017565.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV017565.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017565.D (-231) (-)





#13

Acetone

Concen: 306.273 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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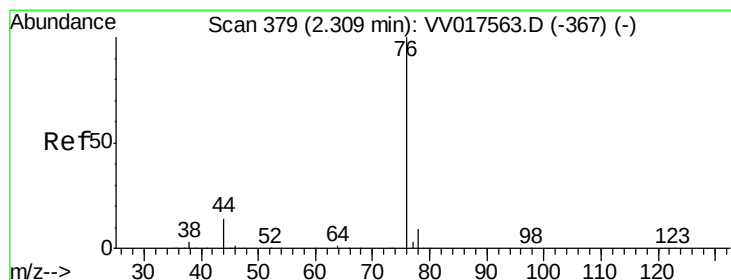
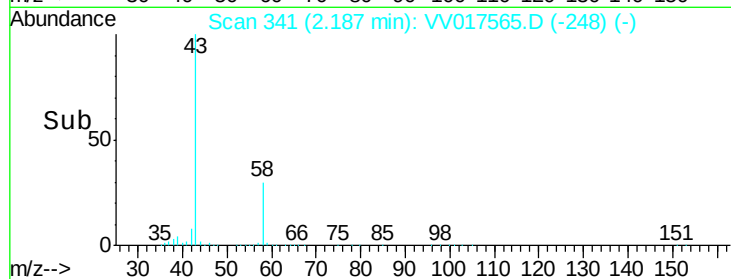
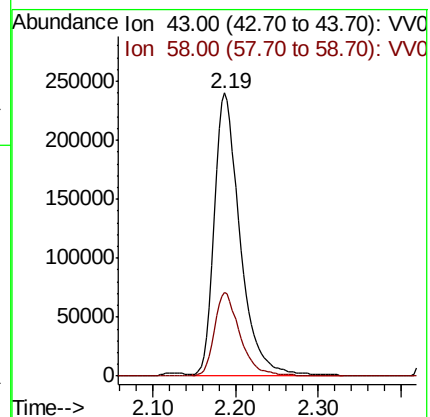
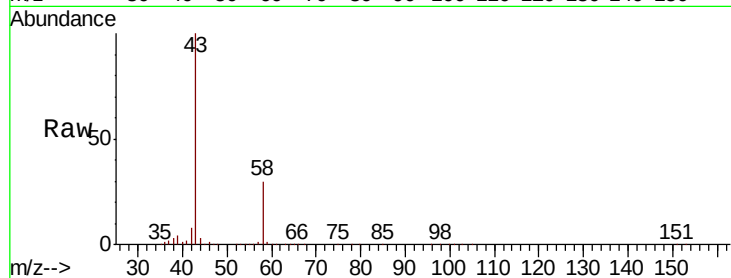
VSTD20064

Tot Ion: 43 Resp: 517872

Ion Ratio Lower Upper

43 100

58 29.4 0.0 58.0



#14

Carbon disulfide

Concen: 210.096 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017565.D

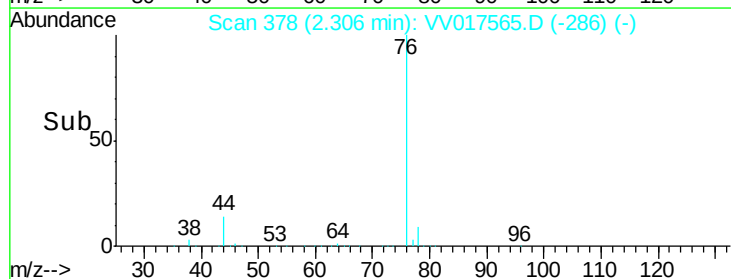
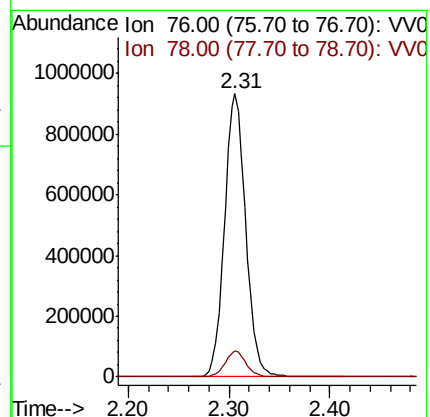
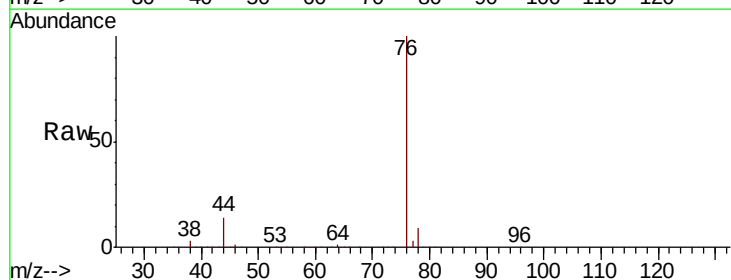
Acq: 21 Jul 2020 15:02

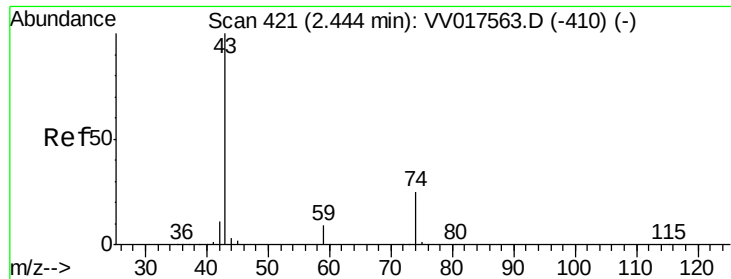
Tgt Ion: 76 Resp: 1370477

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methvl Acetate

Concen: 204.154 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

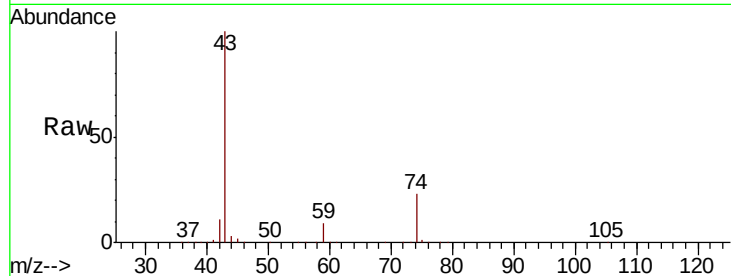
VSTD20064

Tot Ion: 43 Resp: 516030

Ion Ratio Lower Upper

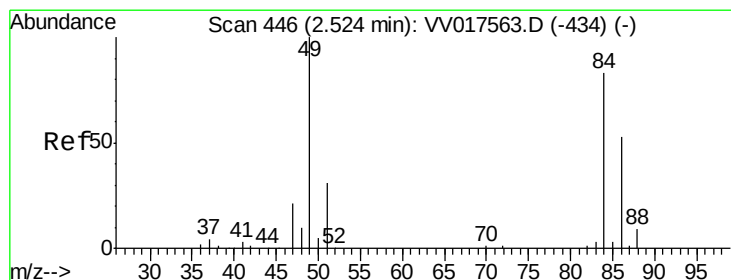
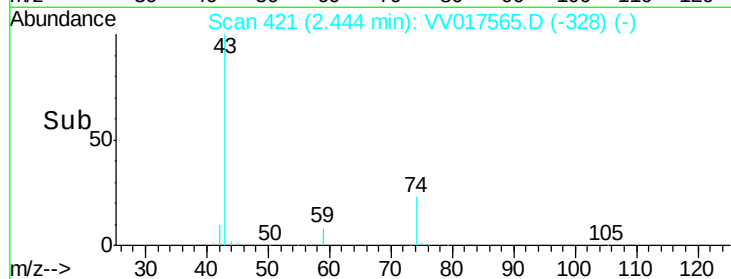
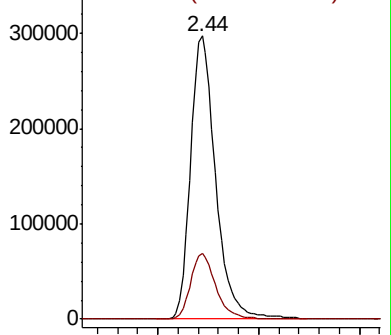
43 100

74 23.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 185.797 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

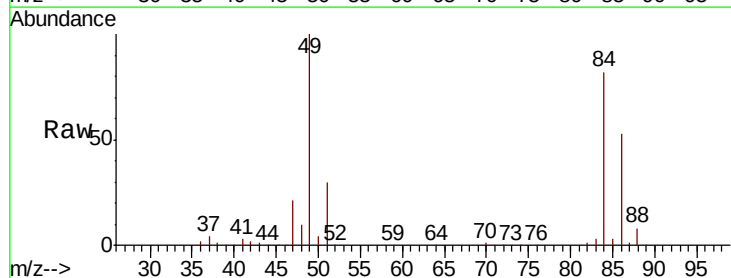
Tgt Ion: 84 Resp: 492453

Ion Ratio Lower Upper

84 100

86 64.2 44.5 82.7

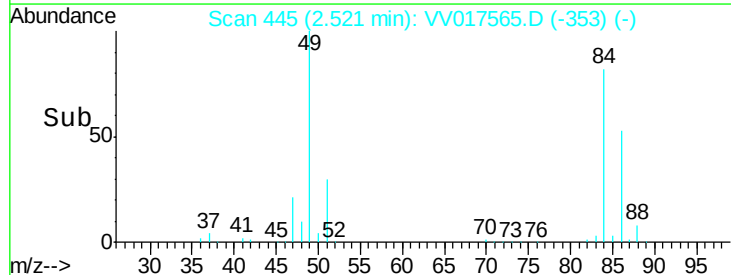
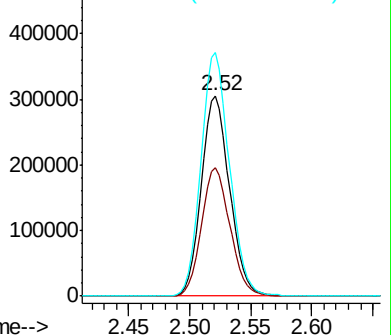
49 121.4 84.4 156.8

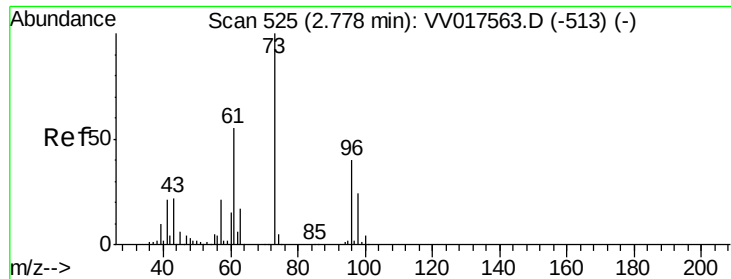


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 204.276 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

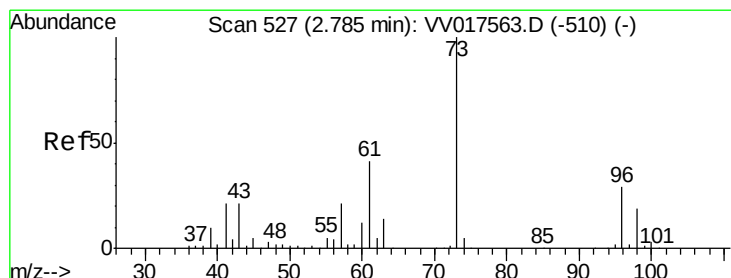
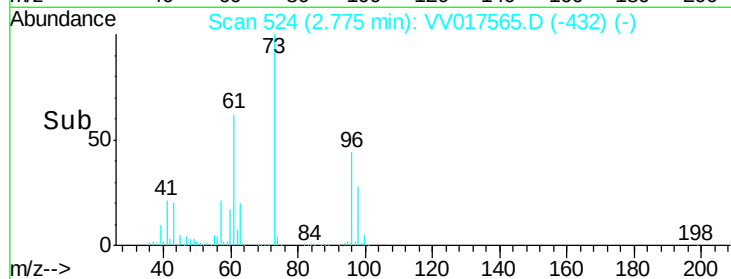
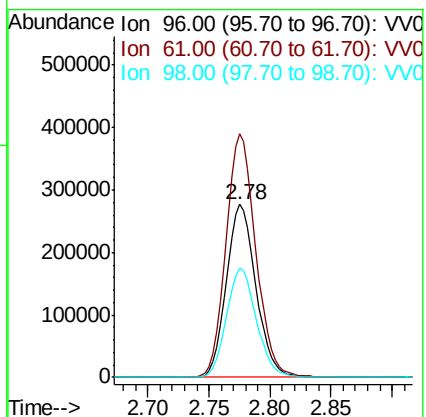
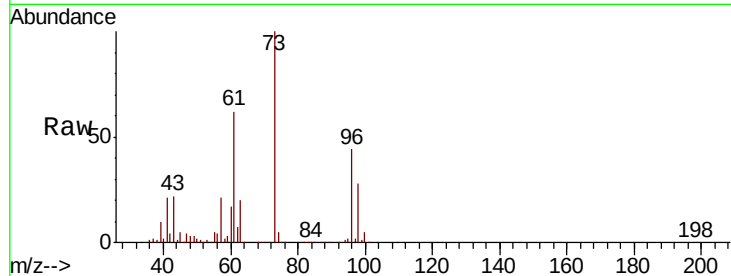
Tot Ion: 96 Resp: 471628

Ion Ratio Lower Upper

96 100

61 140.9 97.0 180.2

98 63.0 42.6 79.0



#18

Methyl tert-butyl Ether

Concen: 200.215 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

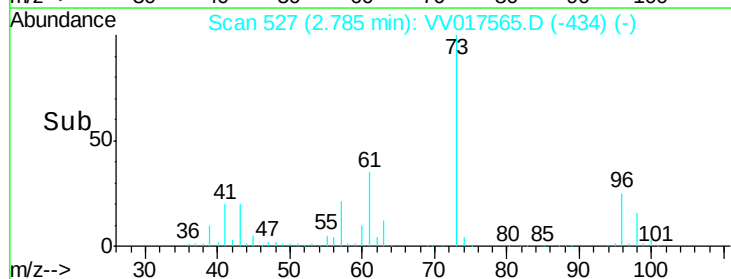
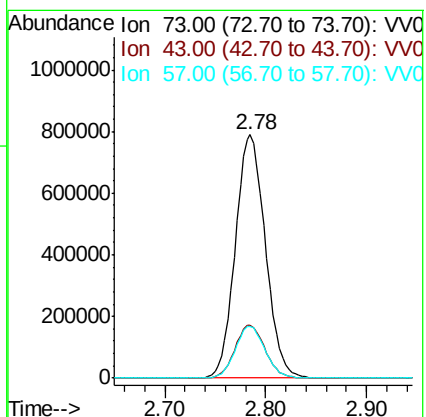
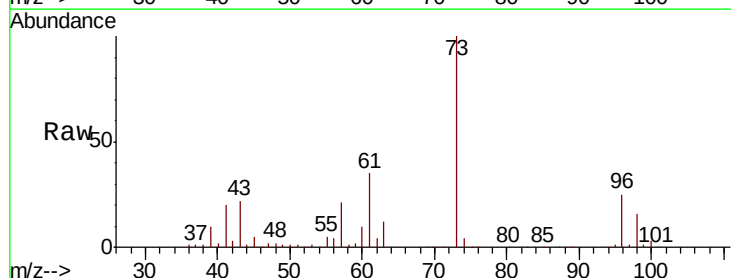
Tgt Ion: 73 Resp: 1626159

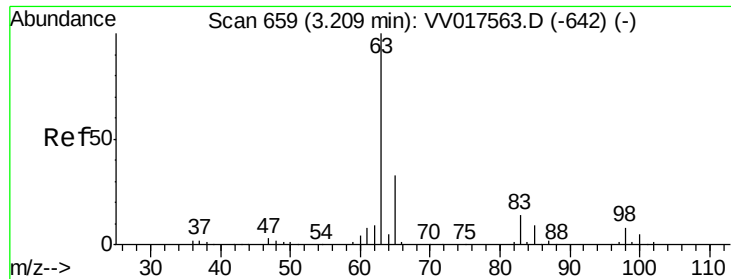
Ion Ratio Lower Upper

73 100

43 21.7 17.3 25.9

57 21.1 16.8 25.2

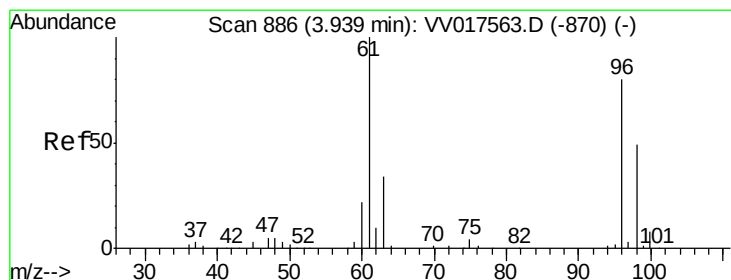
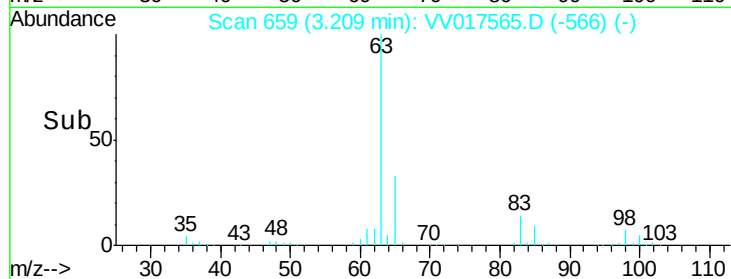
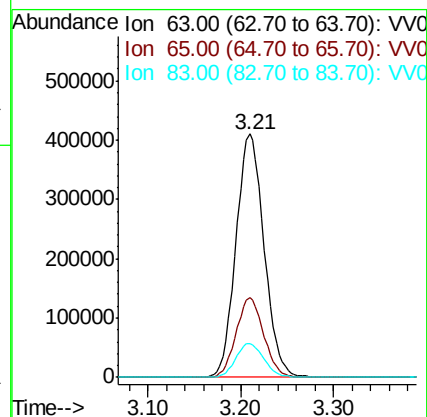
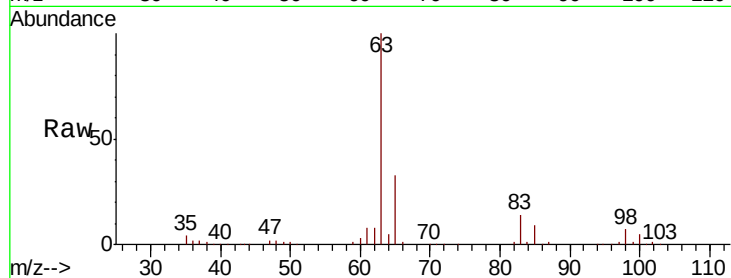




#19
 1,1-Dichloroethane
 Concen: 201.692 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

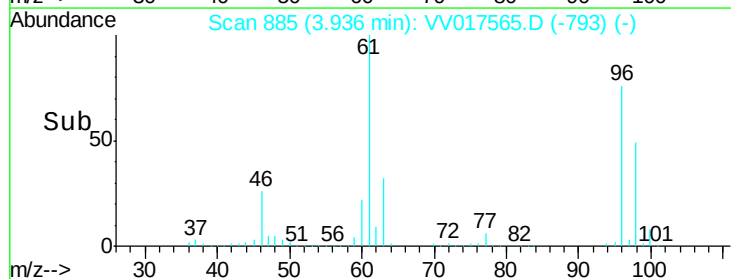
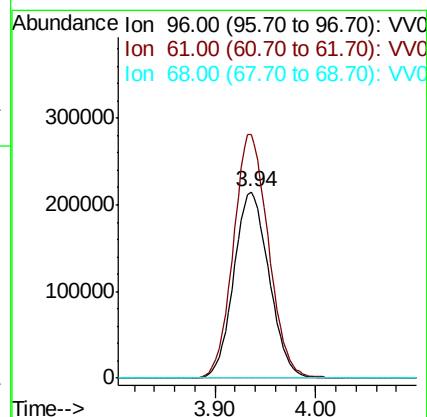
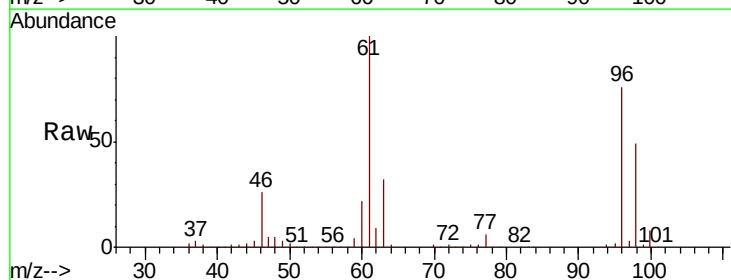
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

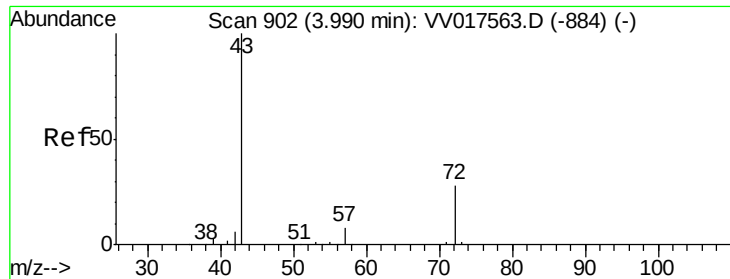
Tot Ion: 63 Resp: 861293
 Ion Ratio Lower Upper
 63 100
 65 32.6 23.0 42.8
 83 14.1 9.9 18.5



#20
 cis-1,2-Dichloroethene
 Concen: 208.262 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

Tgt Ion: 96 Resp: 522097
 Ion Ratio Lower Upper
 96 100
 61 130.8 87.8 163.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 450.969 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

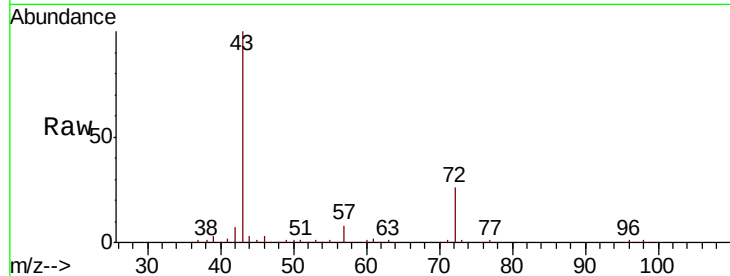
VSTD20064

Tot Ion: 43 Resp: 732227

Ion Ratio Lower Upper

43 100

72 26.7 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017563.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017563.D (-884) (-)

3.99

250000

200000

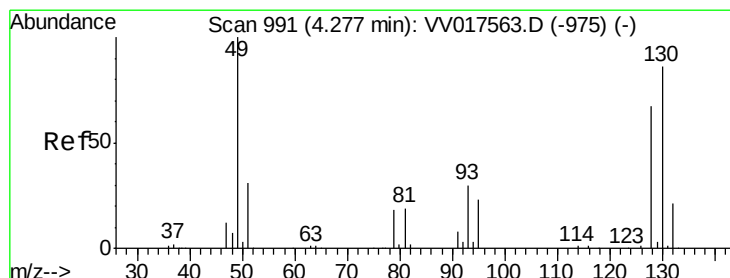
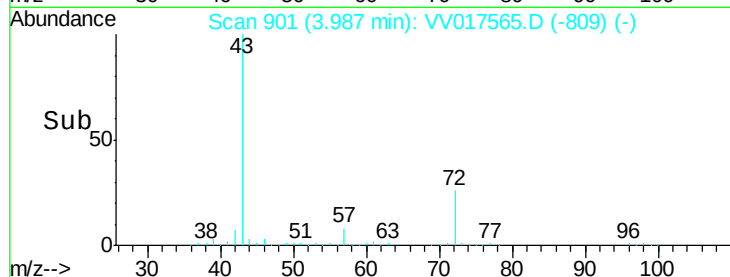
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 202.770 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Tgt Ion:128 Resp: 281972

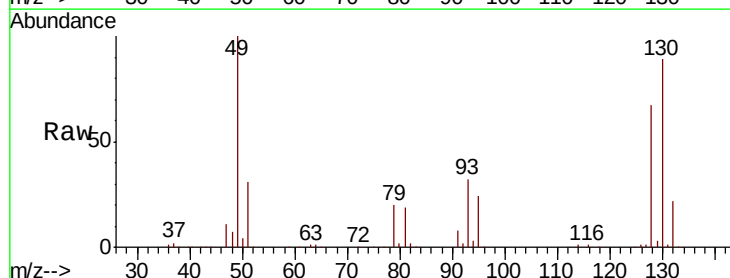
Ion Ratio Lower Upper

128 100

49 148.2 103.7 192.7

130 131.8 89.4 166.0

51 45.8 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV017563.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017563.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017563.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017563.D (-975) (-)

4.27

250000

200000

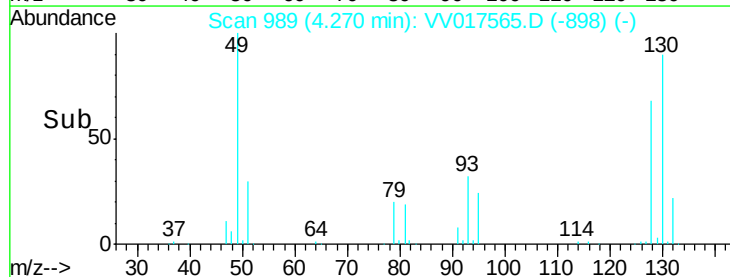
150000

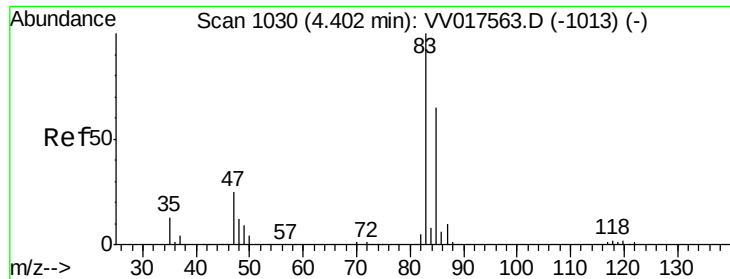
100000

50000

0

Time-->

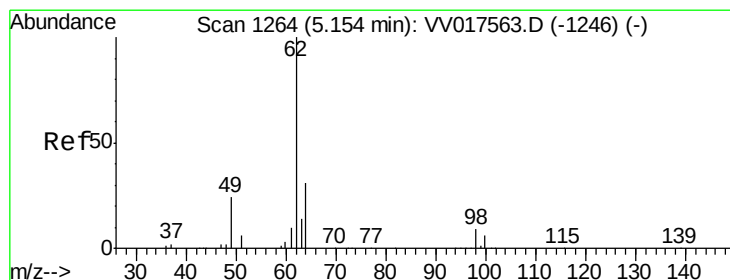
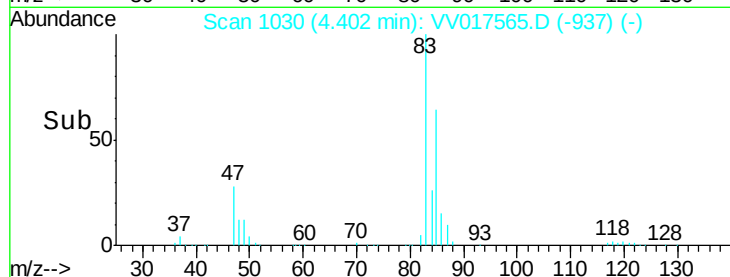
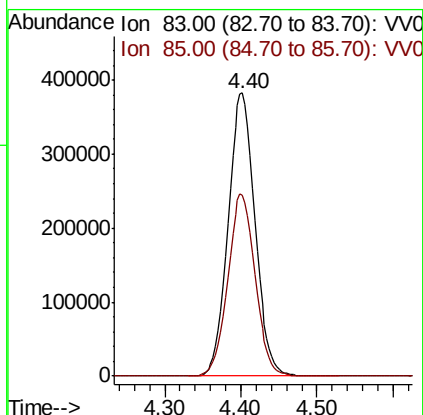
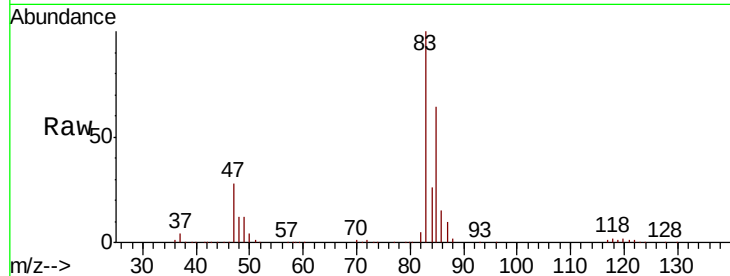




#25
Chloroform
Concen: 199.267 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

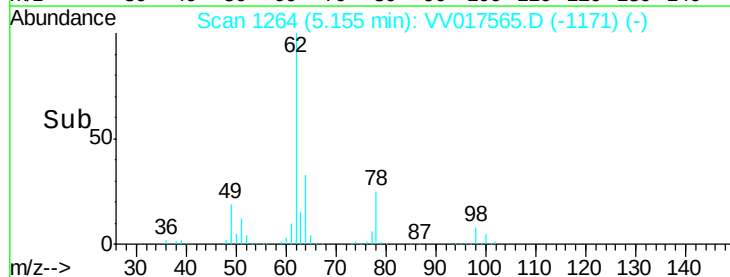
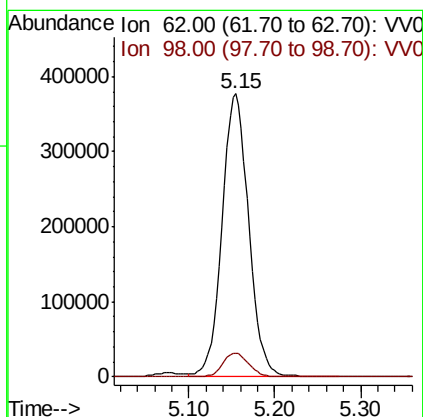
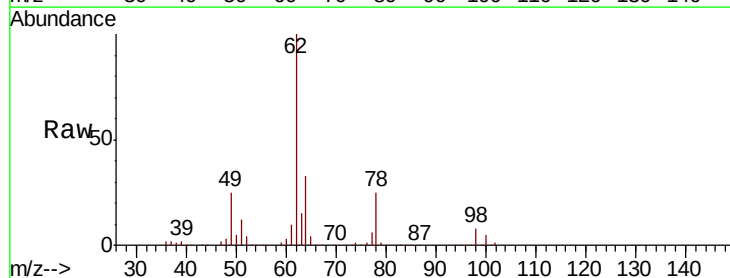
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

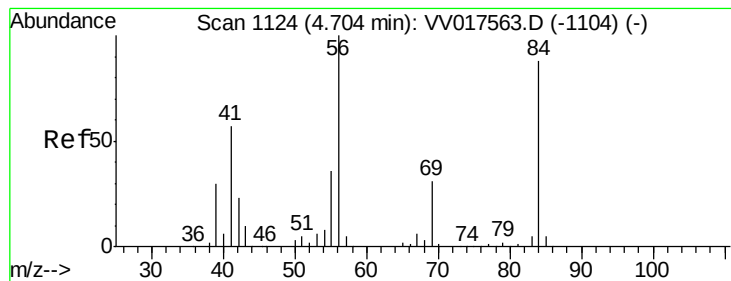
Tot Ion: 83 Resp: 940292
Ion Ratio Lower Upper
83 100
85 63.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 200.885 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Tgt Ion: 62 Resp: 810294
Ion Ratio Lower Upper
62 100
98 8.5 7.1 10.7





#29

Cyclohexane

Concen: 224.597 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

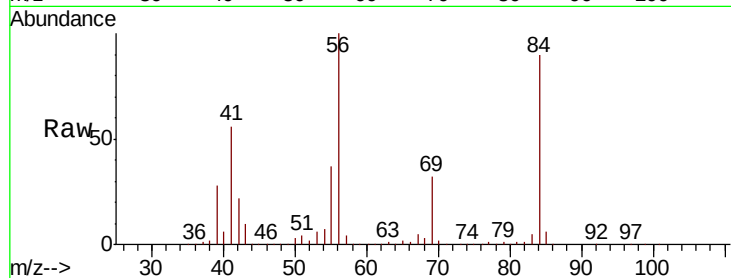
Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tot Ion: 56 Resp: 767526

Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.4	38.2
84	90.4	70.6	105.8

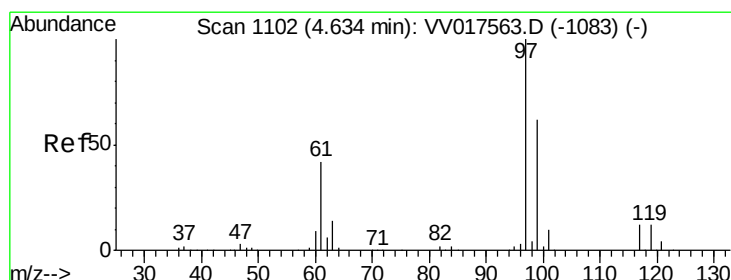
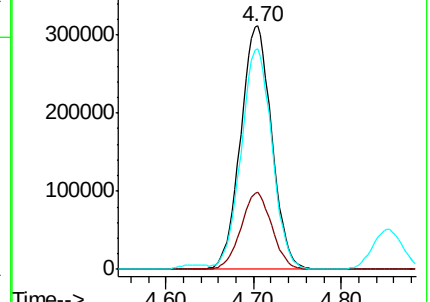
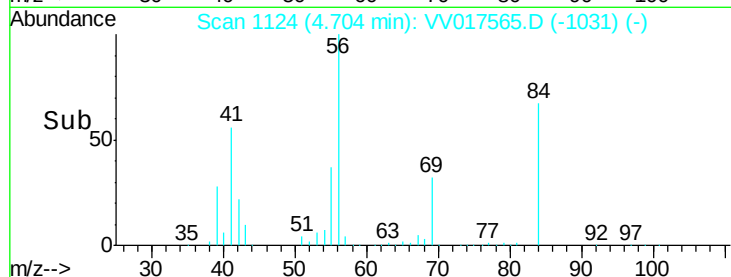


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 194.972 ug/L

RT: 4.63 min Scan# 1102

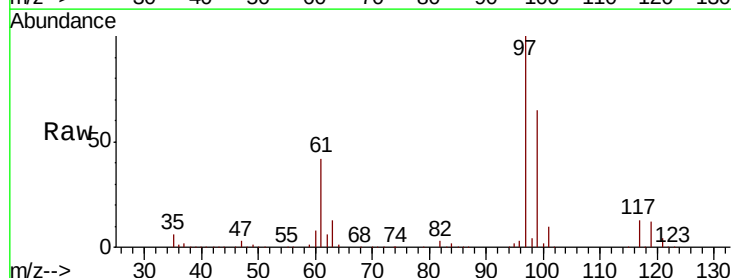
Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Tgt Ion: 97 Resp: 888185

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	42.7	34.1	51.1

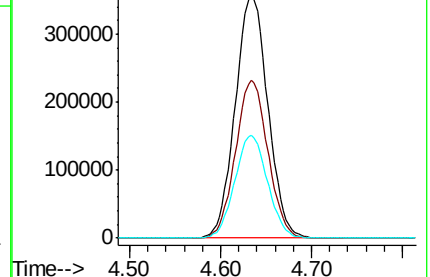
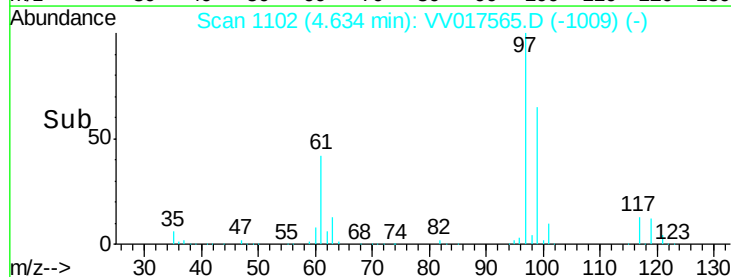


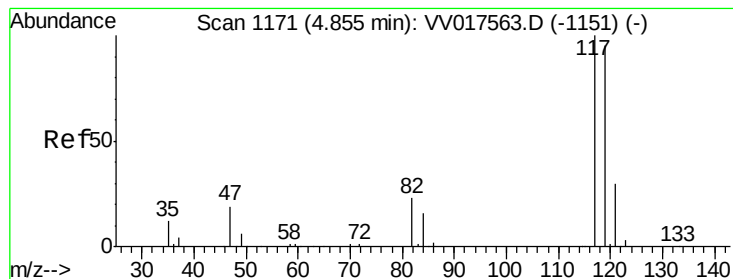
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 192.734 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

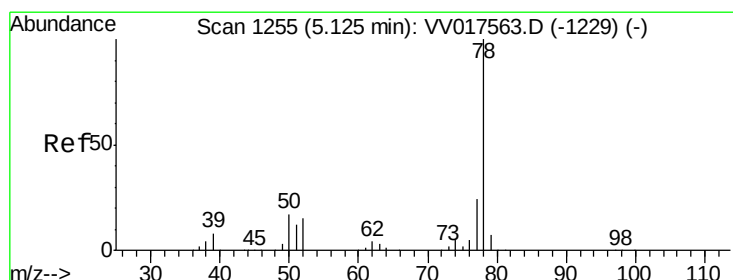
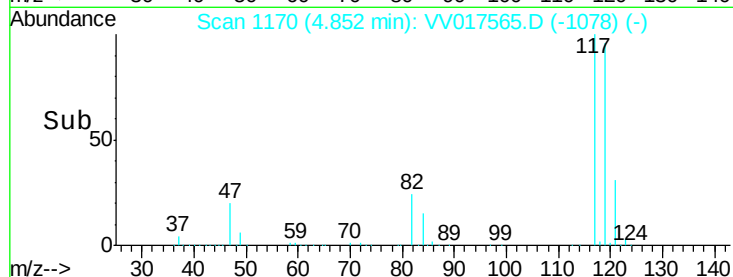
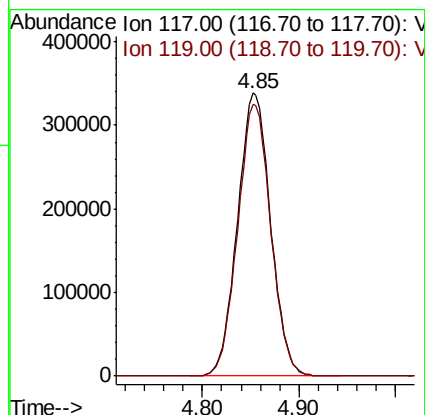
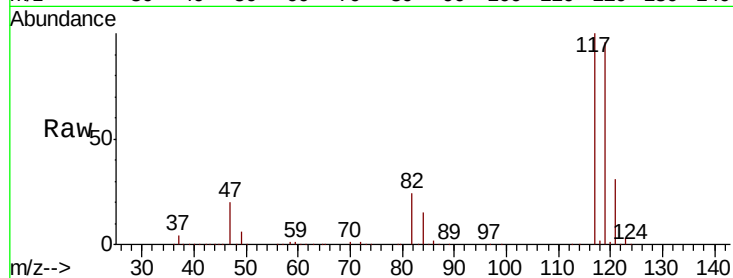
VSTD20064

Tot Ion:117 Resp: 803313

Ion Ratio Lower Upper

117 100

119 96.0 78.2 117.2



#33

Benzene

Concen: 210.868 ug/L

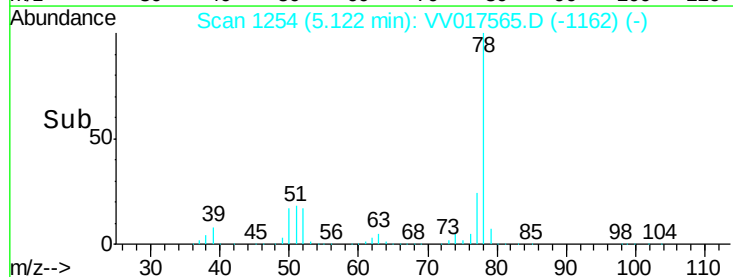
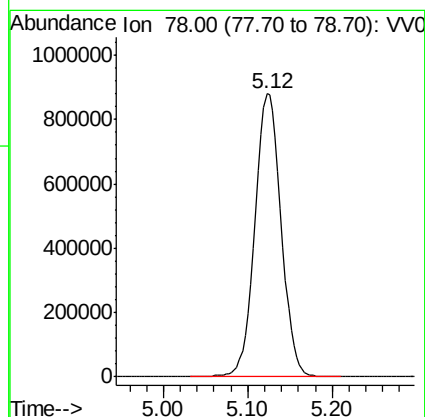
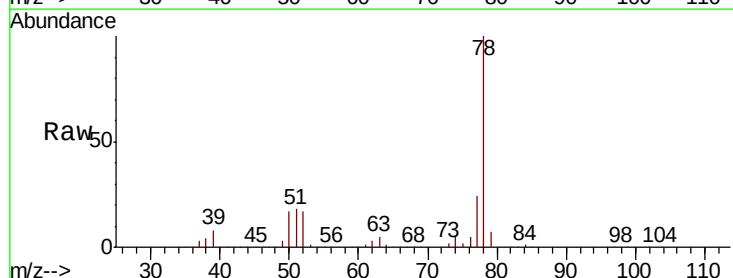
RT: 5.12 min Scan# 1254

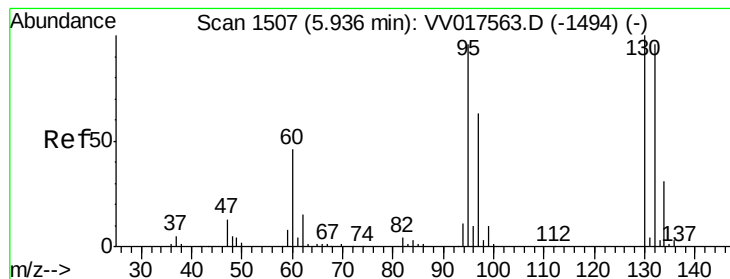
Delta R.T. -0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Tgt Ion: 78 Resp: 1899423





#34

Trichloroethene

Concen: 209.301 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

Tot Ion: 95 Resp: 518324

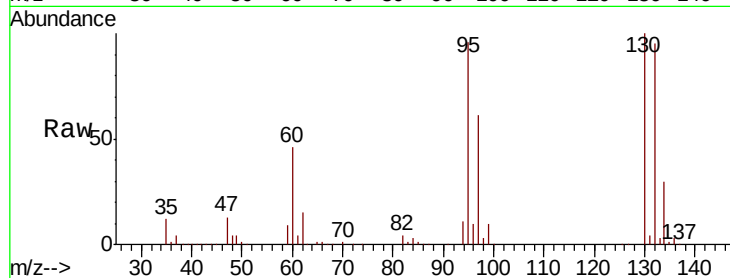
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.2

132 99.0 70.3 130.5

130 103.7 72.9 135.3

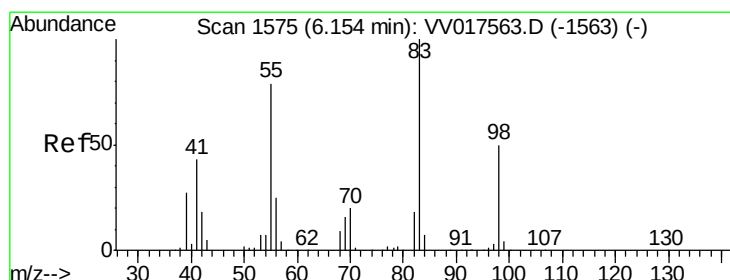
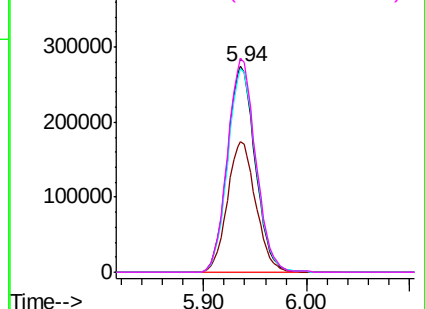
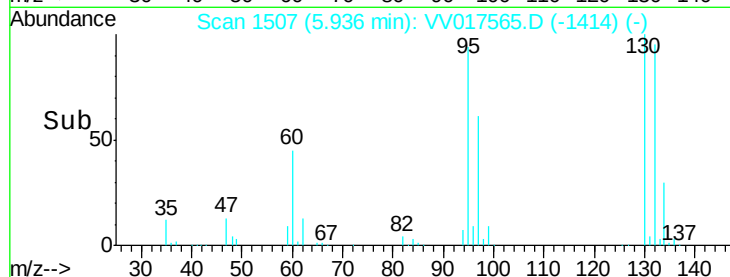


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 217.859 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

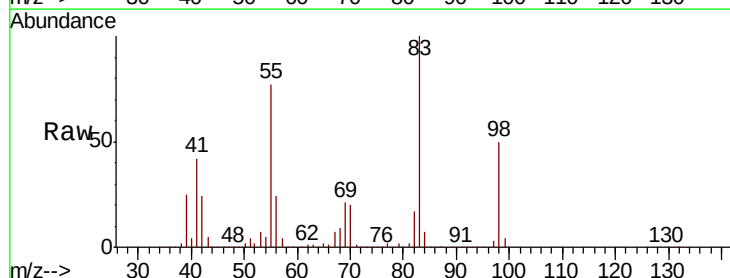
Tgt Ion: 83 Resp: 807204

Ion Ratio Lower Upper

83 100

55 76.5 61.7 92.5

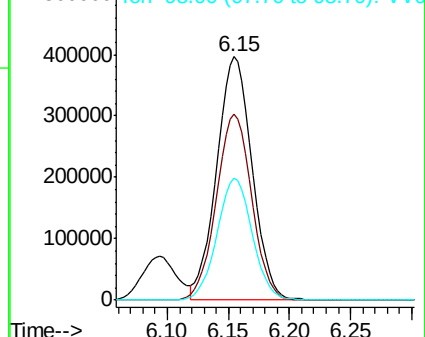
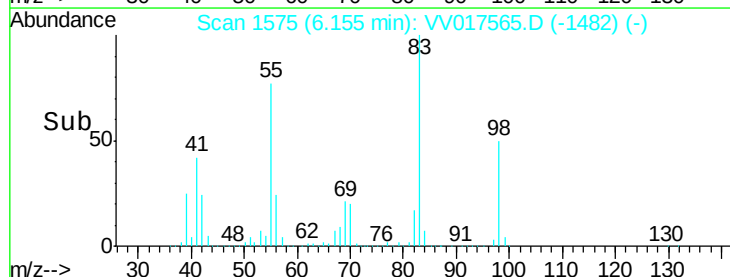
98 50.0 39.3 58.9

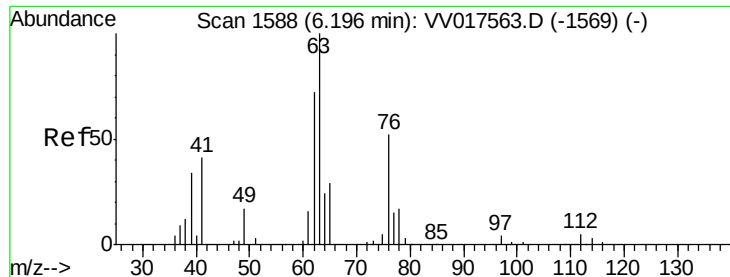


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

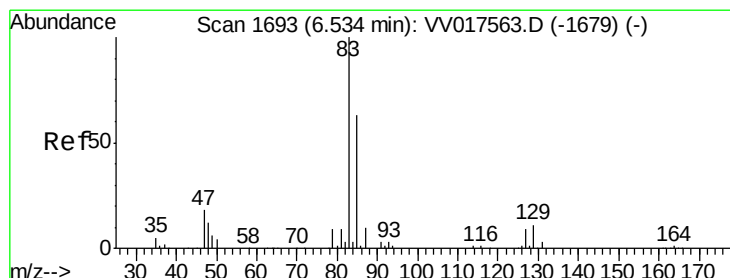
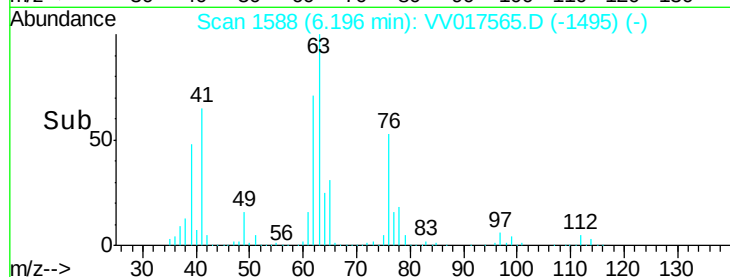
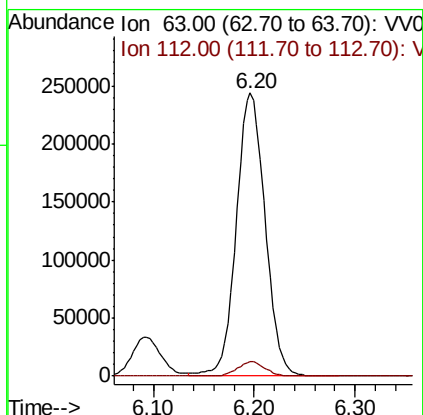
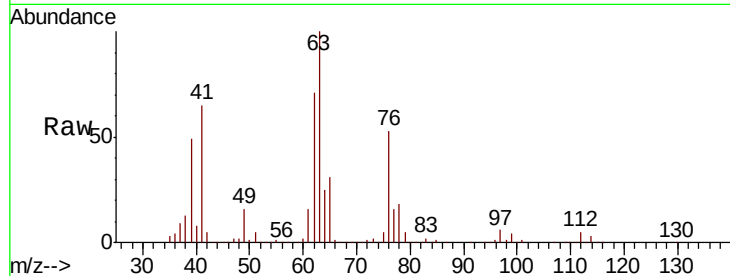




#37
 1,2-Dichloropropane
 Concen: 210.291 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

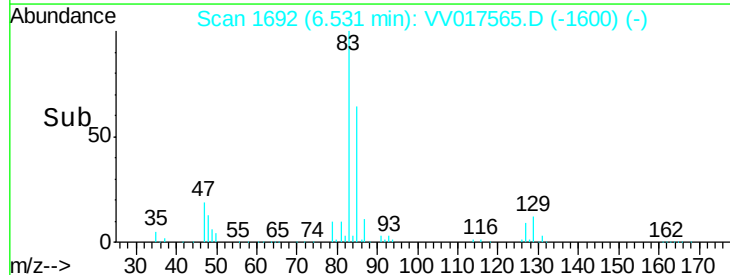
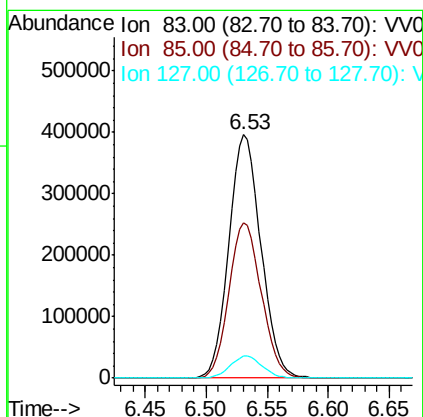
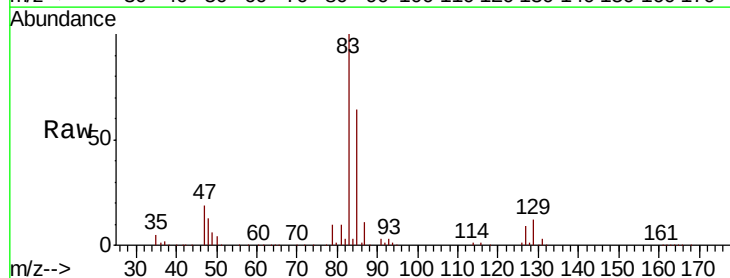
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

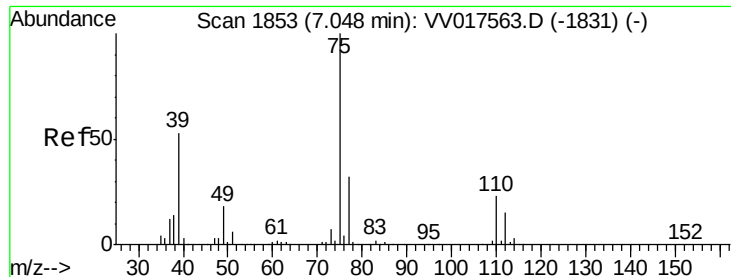
Tot Ion: 63 Resp: 482002
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#38
 Bromodichloromethane
 Concen: 200.893 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

Tgt Ion: 83 Resp: 727680
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.4 82.4
 127 8.9 7.4 11.2



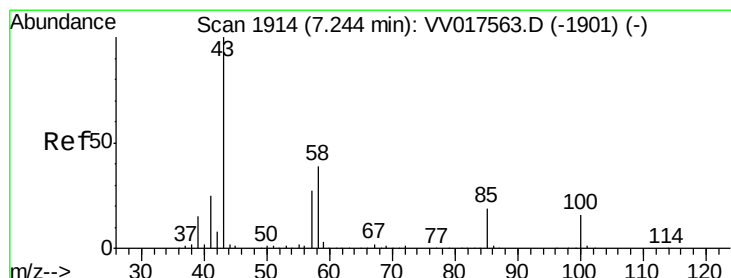
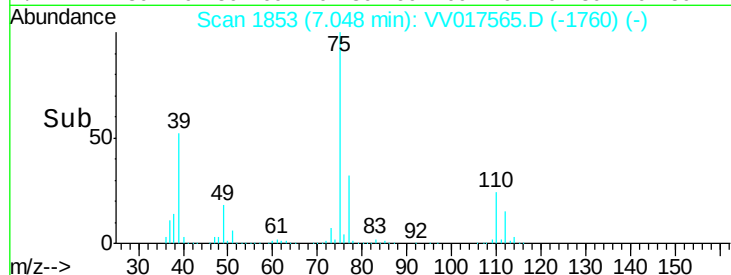
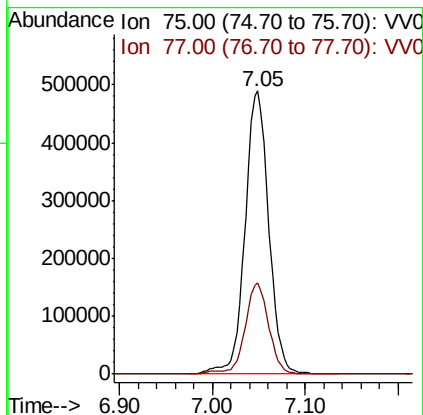
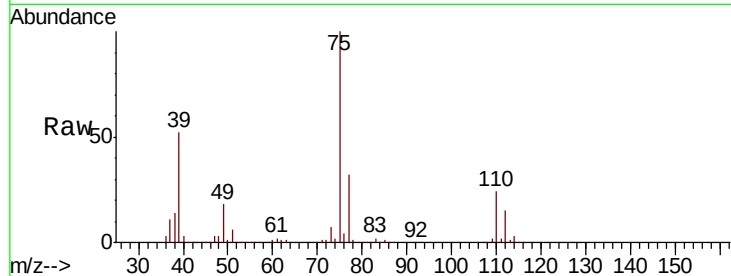


#39

cis-1,3-Dichloropropene
Concen: 226.898 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

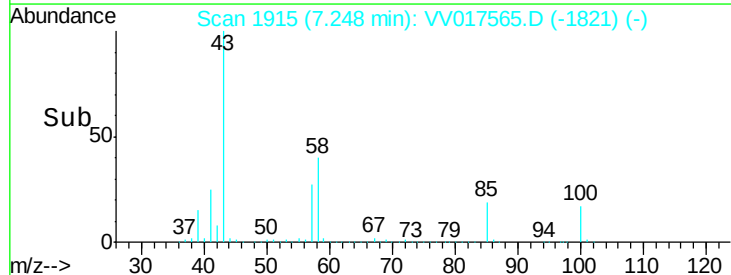
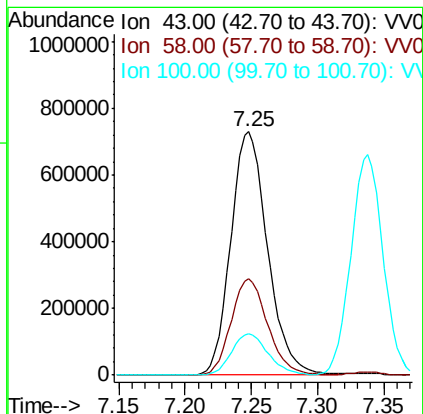
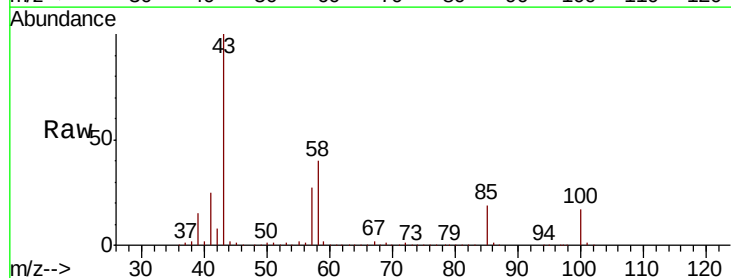
Tot Ion: 75 Resp: 868756
Ion Ratio Lower Upper
75 100
77 32.1 22.2 41.2

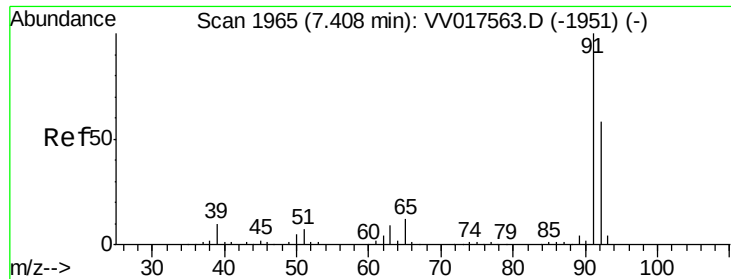


#40

4-Methyl-2-pentanone
Concen: 441.611 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Tgt Ion: 43 Resp: 1402095
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3
100 17.0 13.3 19.9





#42

Toluene

Concen: 210.354 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

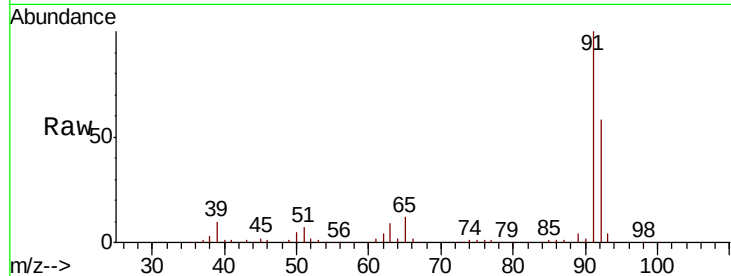
VSTD20064

Tot Ion: 91 Resp: 2089698

Ion Ratio Lower Upper

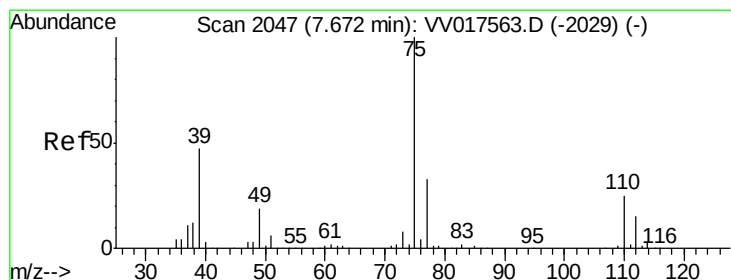
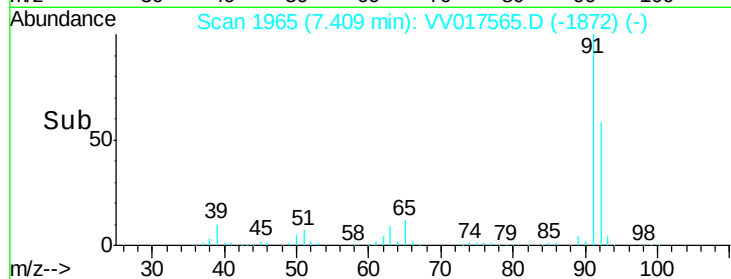
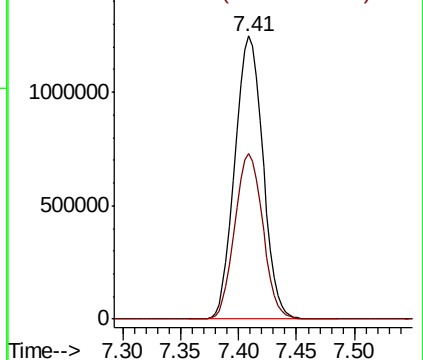
91 100

92 58.5 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 217.697 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017565.D

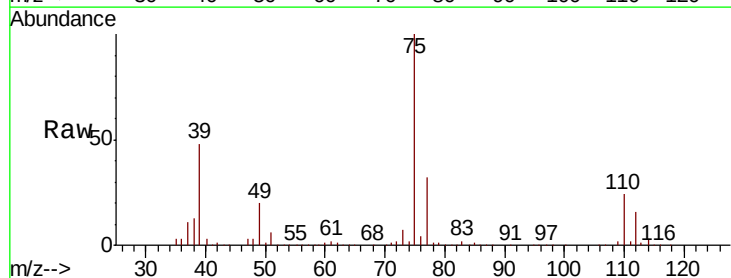
Acq: 21 Jul 2020 15:02

Tgt Ion: 75 Resp: 870621

Ion Ratio Lower Upper

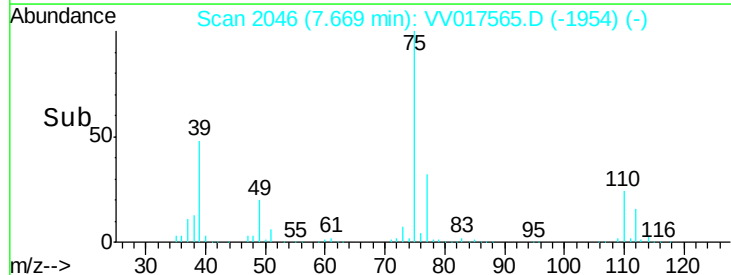
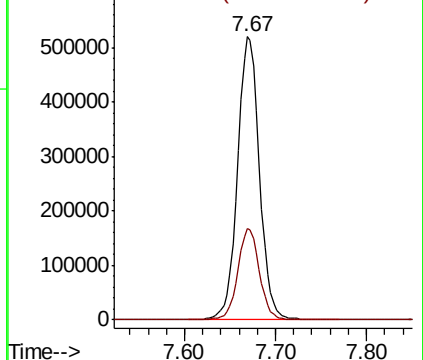
75 100

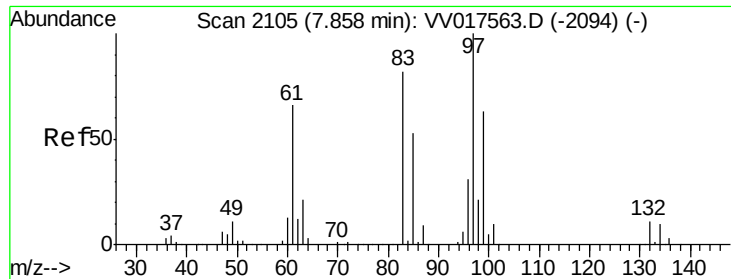
77 32.2 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

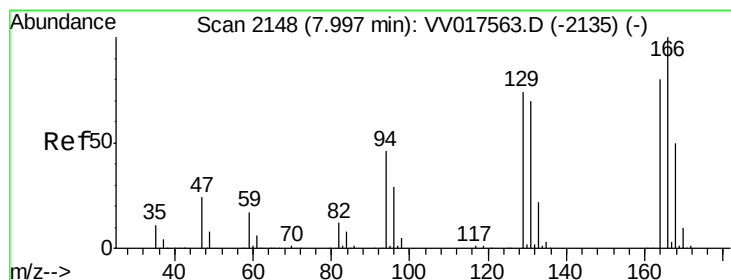
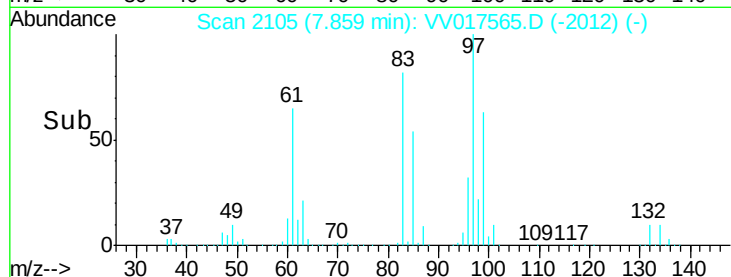
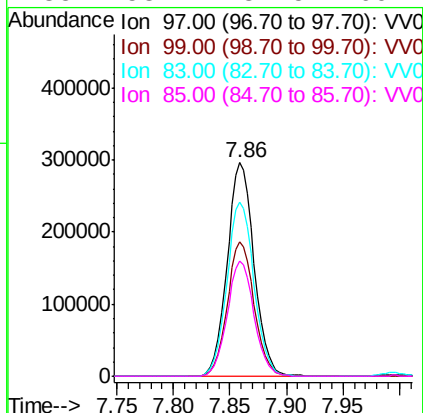
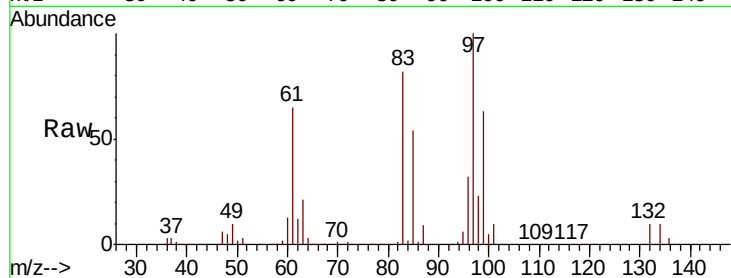




#45
1,1,2-Trichloroethane
Concen: 198.691 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

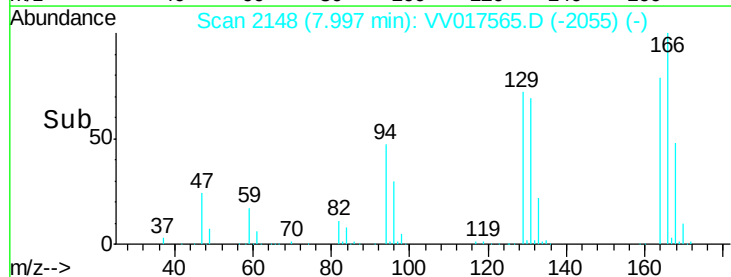
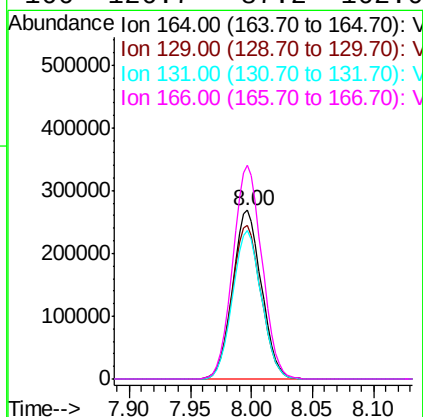
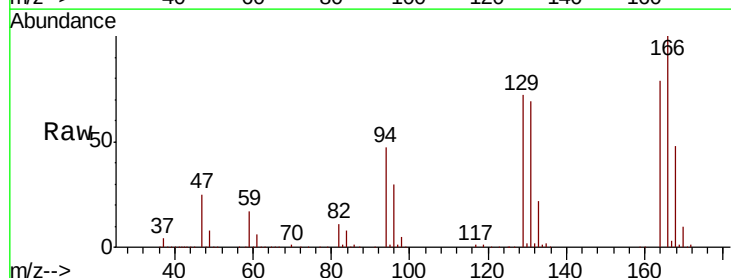
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

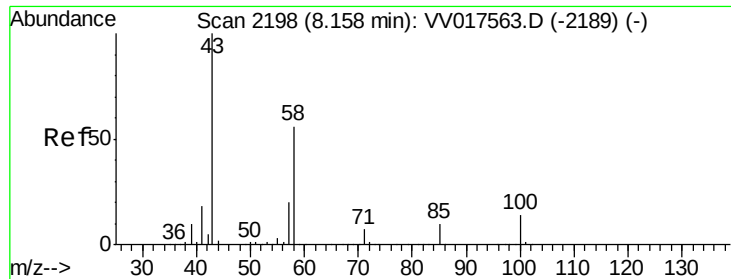
Tot Ion:	97	Resp:	487723
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.2	82.0
83	81.6	57.9	107.5
85	53.7	37.5	69.7



#46
Tetrachloroethene
Concen: 204.608 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Tgt Ion:	164	Resp:	440330
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.3	119.5
131	87.9	61.5	114.1
166	126.7	87.2	162.0

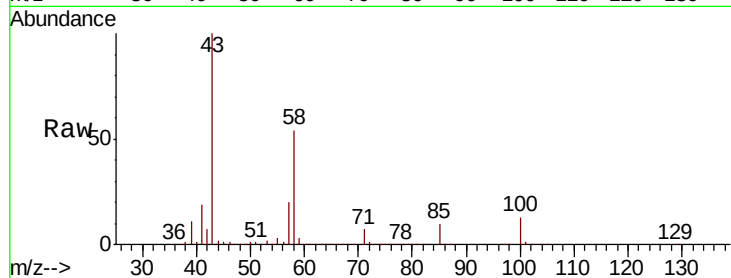




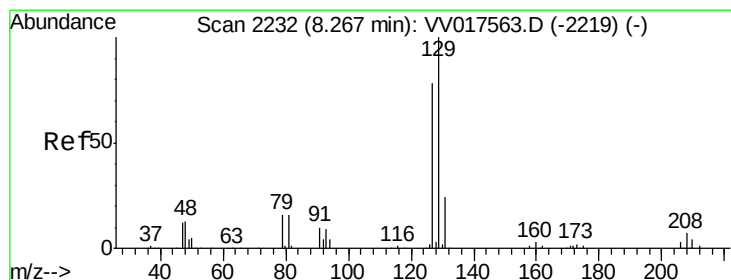
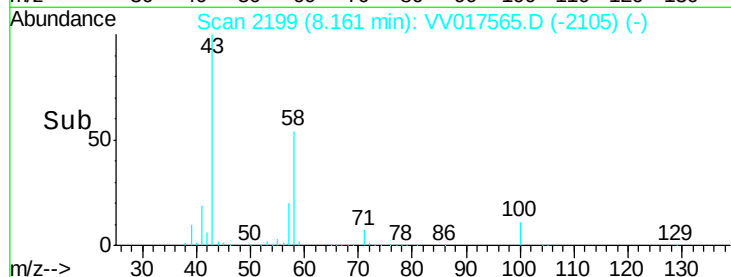
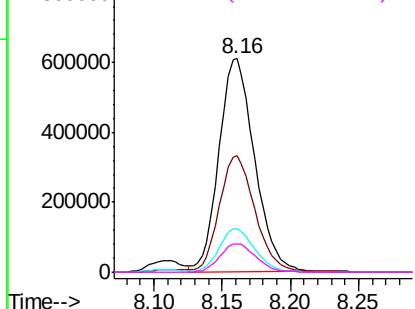
#48
2-Hexanone
Concen: 438.301 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

Tot Ion: 43 Resp: 1109873
Ion Ratio Lower Upper
43 100
58 54.7 44.3 66.5
57 20.6 16.9 25.3
100 13.6 11.0 16.4

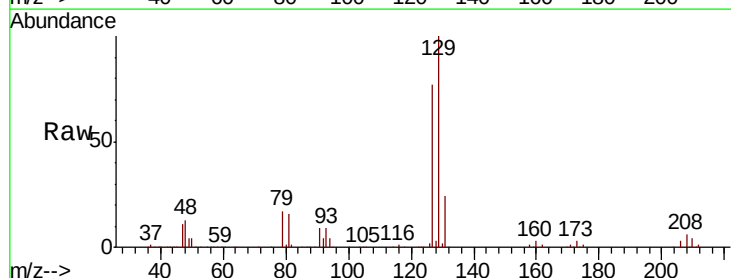


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

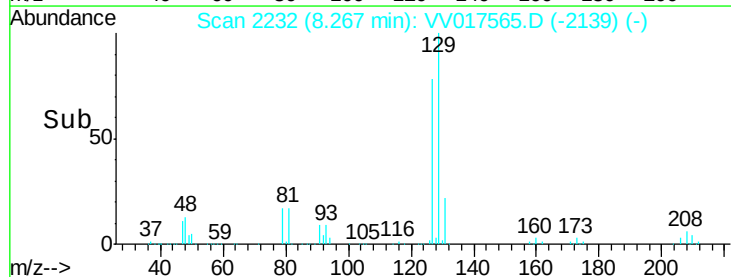
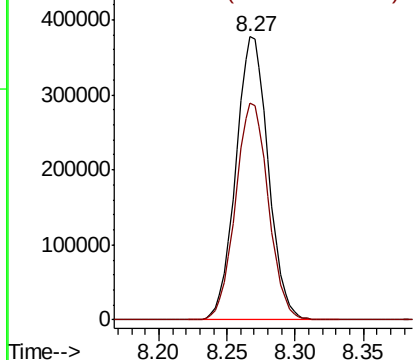


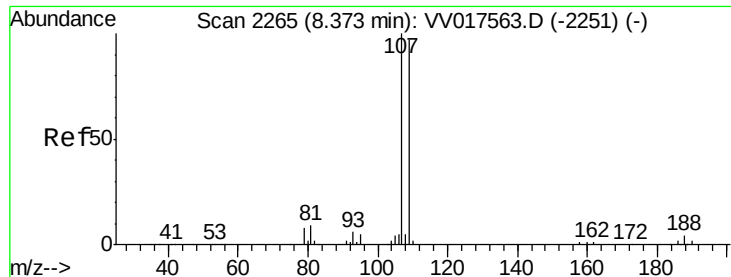
#49
Dibromochloromethane
Concen: 203.790 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Tgt Ion: 129 Resp: 622214
Ion Ratio Lower Upper
129 100
127 76.6 54.3 100.9



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

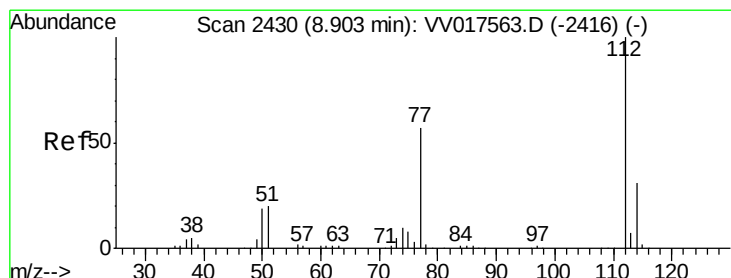
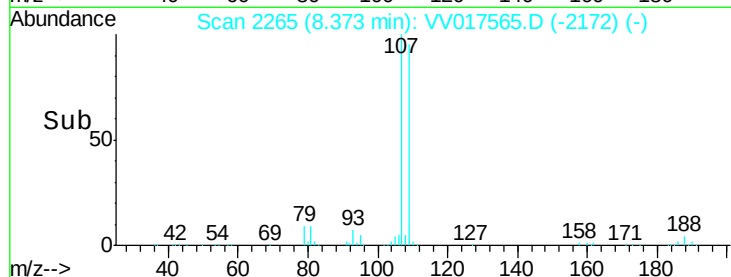
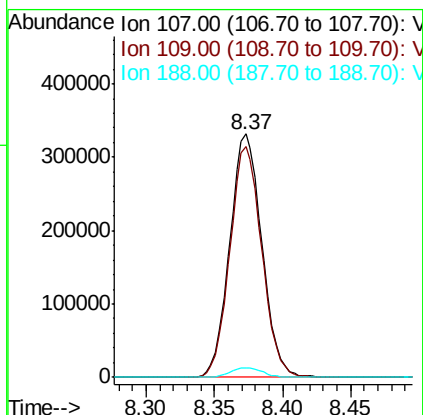
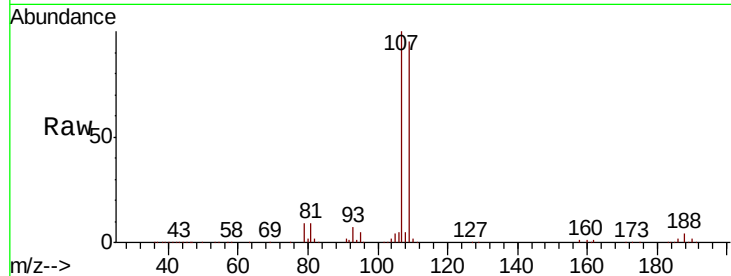




#50
1,2-Dibromoethane
Concen: 202.940 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

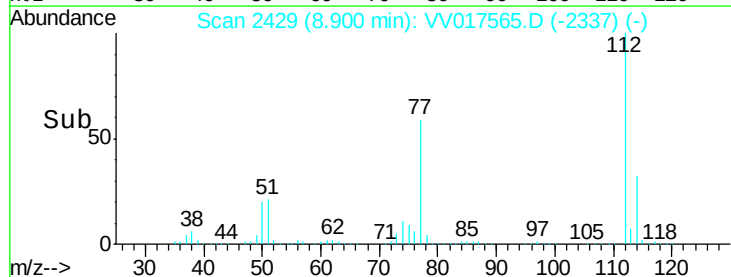
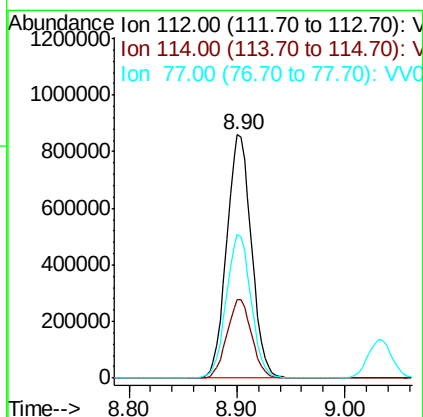
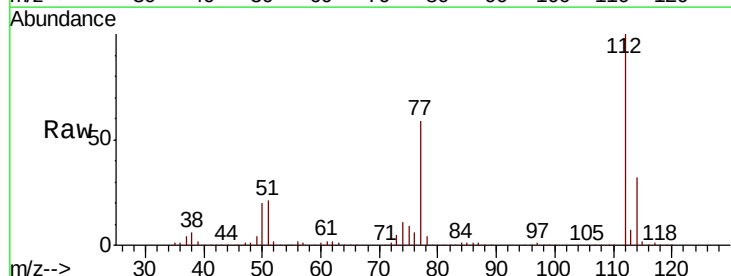
Instrument :
MSVOA_V
ClientSampleId :
VSTD20064

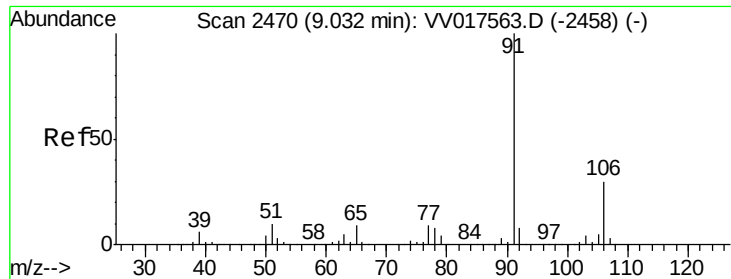
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	67.7	125.7
188	4.1	3.5	5.3



#51
Chlorobenzene
Concen: 198.860 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017565.D
Acq: 21 Jul 2020 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.9	40.7
77	58.9	46.1	69.1





#52

Ethylbenzene

Concen: 205.646 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

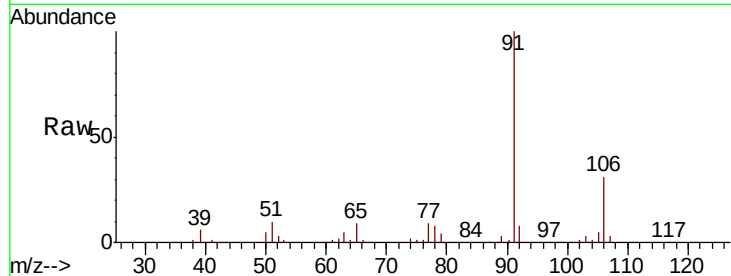
VSTD20064

Tot Ion: 91 Resp: 2388099

Ion Ratio Lower Upper

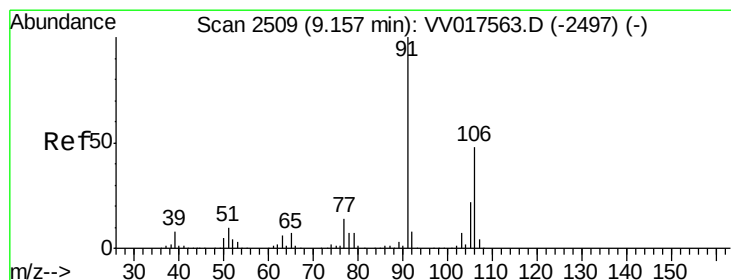
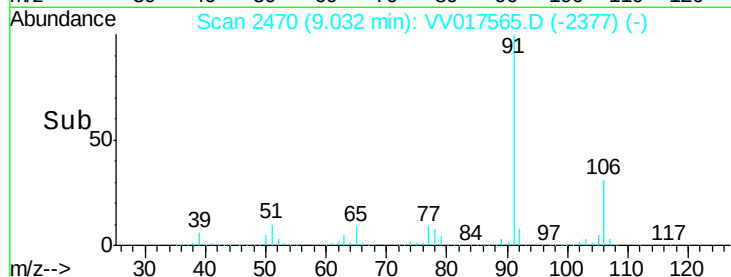
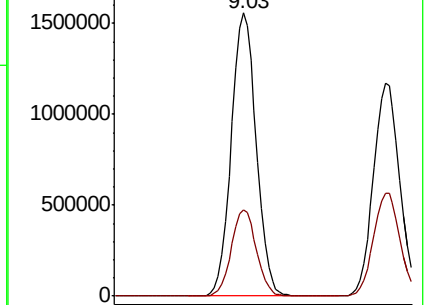
91 100

106 30.7 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV017565.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017565.D (-2377) (-)



#53

m,p-Xylene

Concen: 211.615 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017565.D

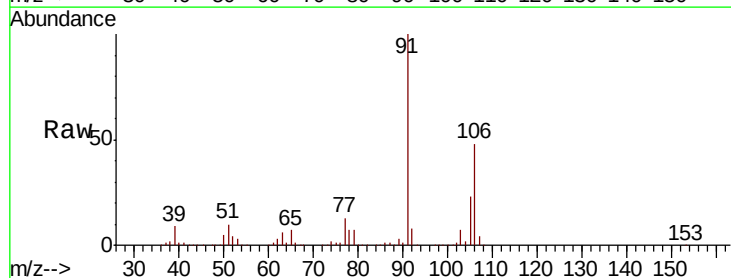
Acq: 21 Jul 2020 15:02

Tgt Ion: 106 Resp: 917378

Ion Ratio Lower Upper

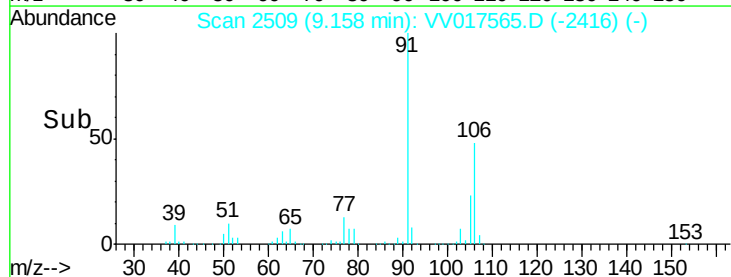
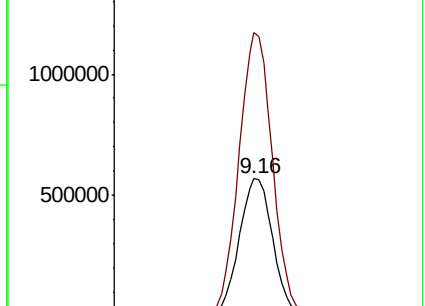
106 100

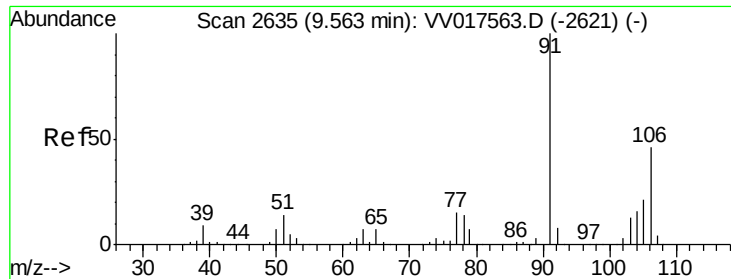
91 206.4 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): VV017565.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017565.D (-2416) (-)





#54

o-xylene

Concen: 210.460 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

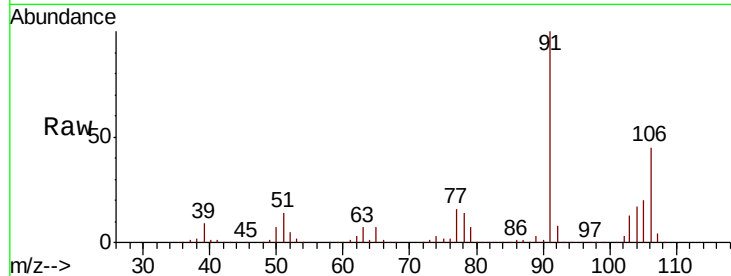
Instrument :
MSVOA_V
ClientSampled :
VSTD20064

Tot Ion:106 Resp: 886494

Ion Ratio Lower Upper

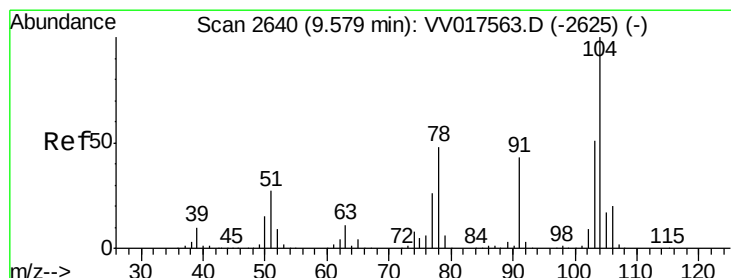
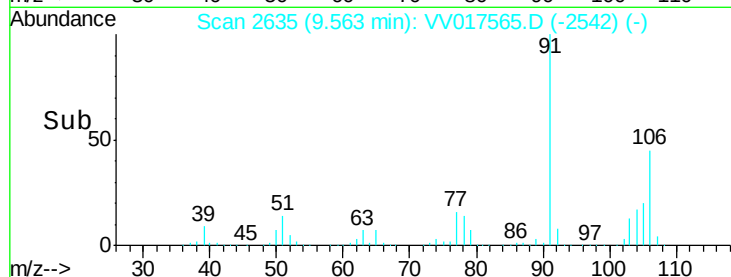
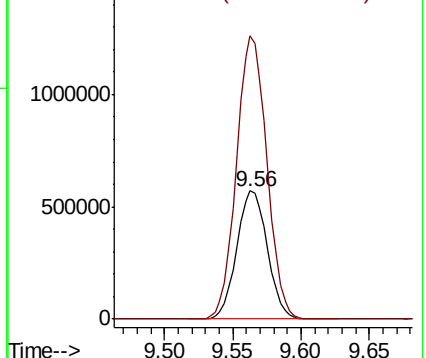
106 100

91 220.6 153.6 285.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 217.907 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017565.D

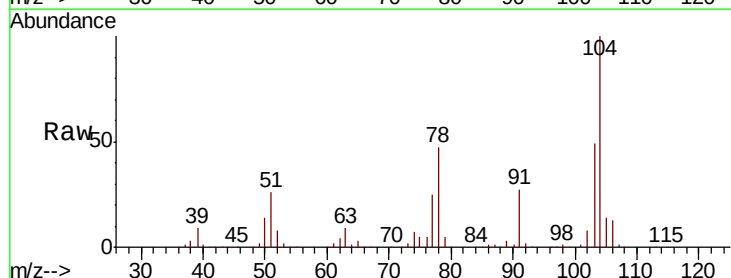
Acq: 21 Jul 2020 15:02

Tgt Ion:104 Resp: 1564414

Ion Ratio Lower Upper

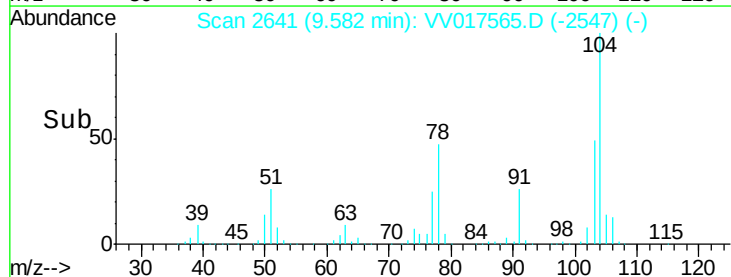
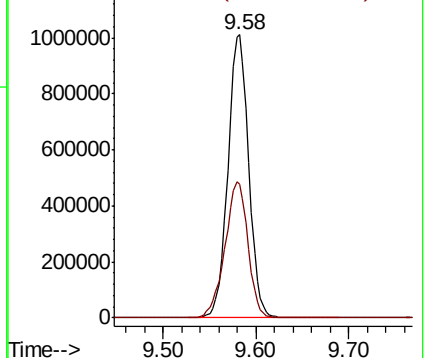
104 100

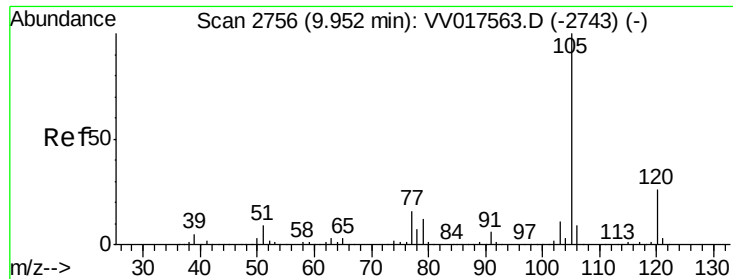
78 47.3 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 212.643 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

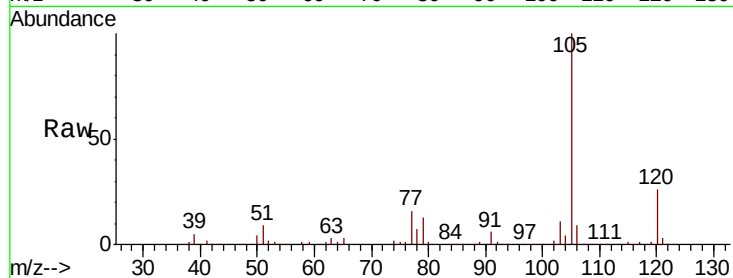
Tot Ion:105 Resp: 2415752

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

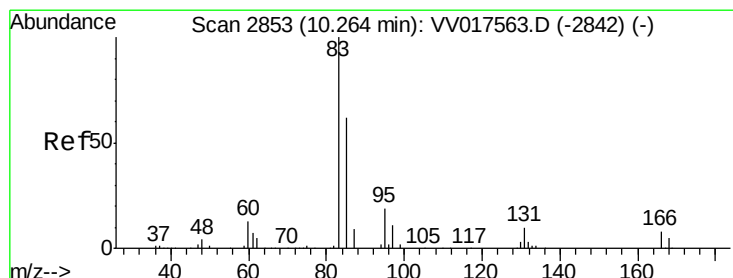
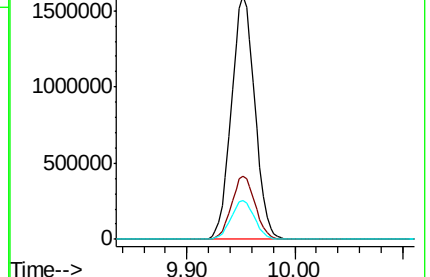
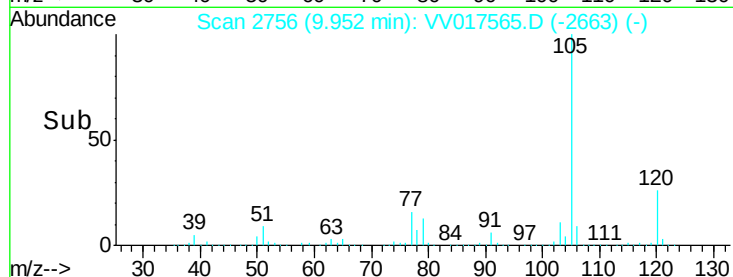
77 16.0 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 210.106 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

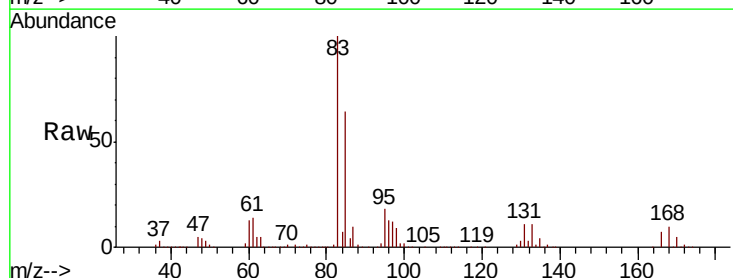
Tgt Ion: 83 Resp: 773693

Ion Ratio Lower Upper

83 100

85 64.2 44.5 82.7

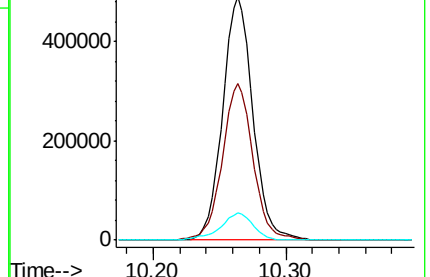
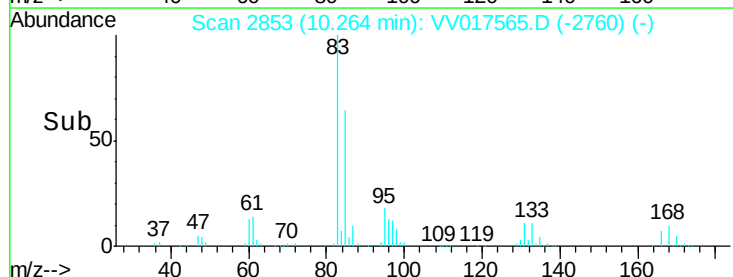
131 11.1 8.9 13.3

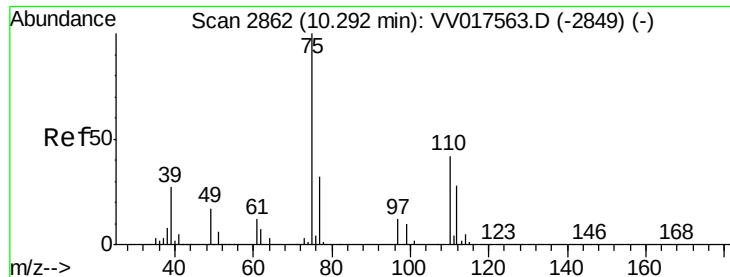


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 204.546 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

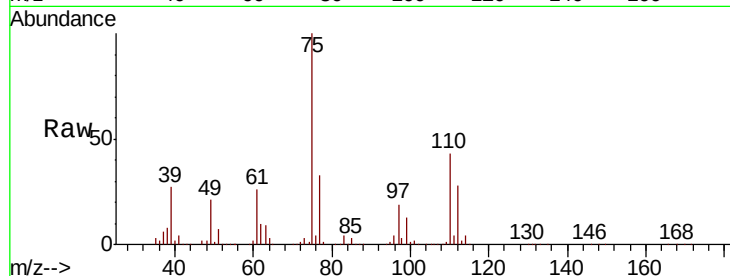
VSTD20064

Tot Ion: 75 Resp: 640942

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV017563.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017563.D (-2849) (-)

10.30

400000

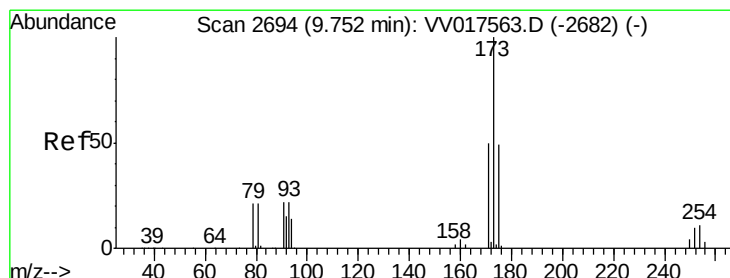
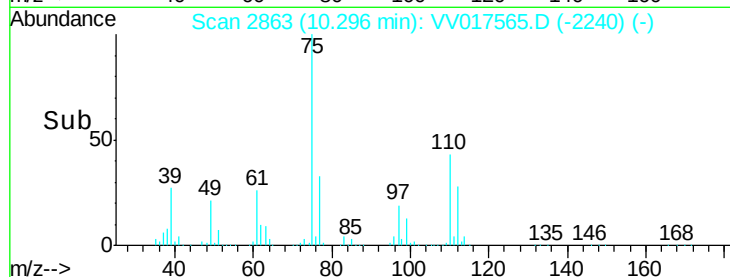
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 202.055 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

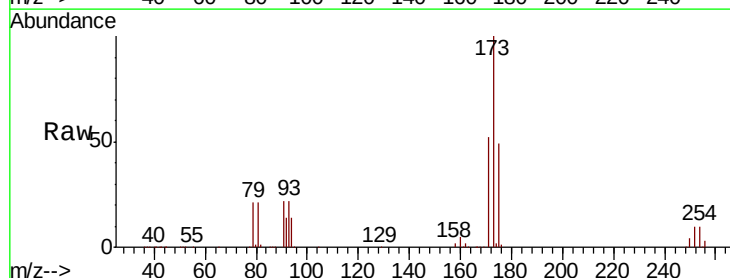
Tgt Ion: 173 Resp: 492819

Ion Ratio Lower Upper

173 100

175 48.2 38.5 57.7

254 9.8 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): VV017563.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017563.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017563.D (-2682) (-)

9.75

400000

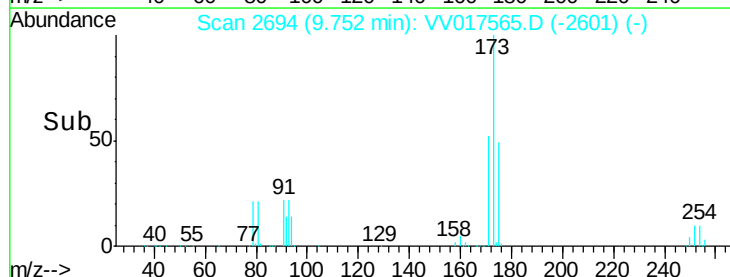
300000

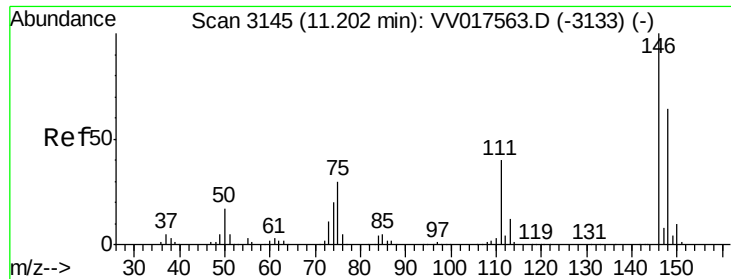
200000

100000

0

Time--> 9.70 9.75 9.80 9.85

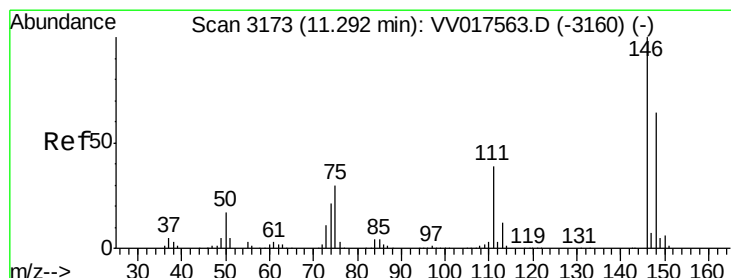
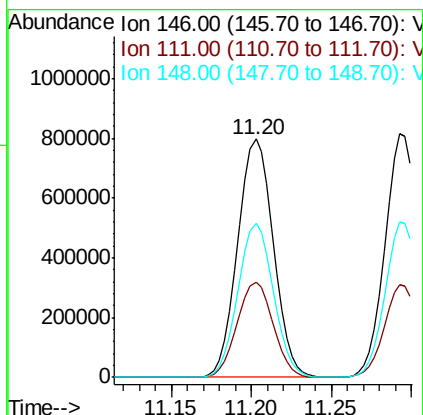
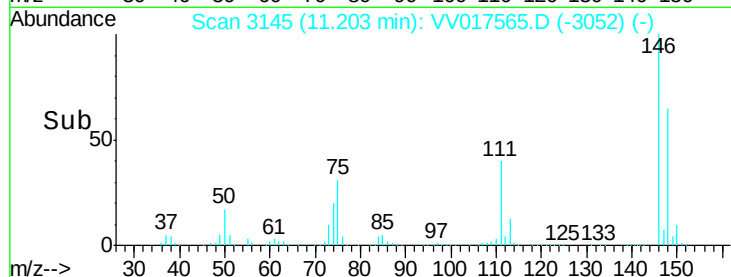
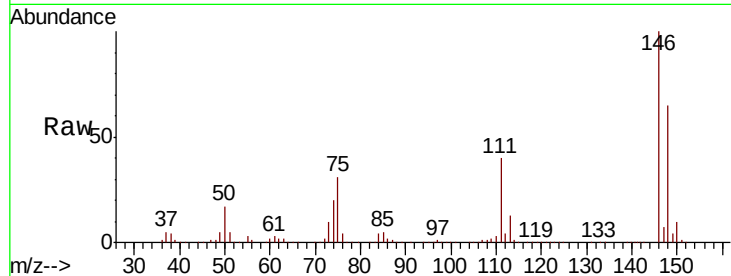




#62
 1,3-Dichlorobenzene
 Concen: 199.311 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

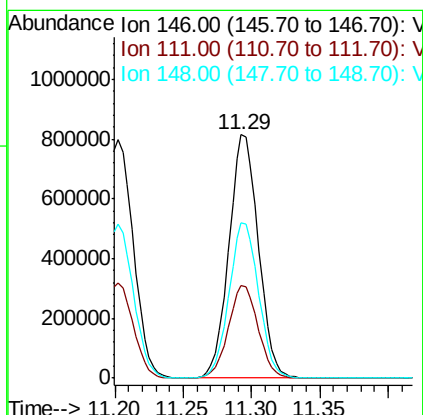
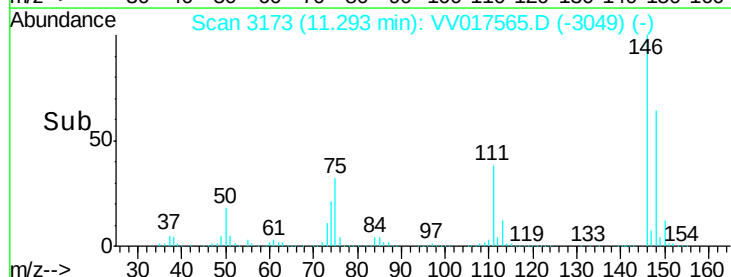
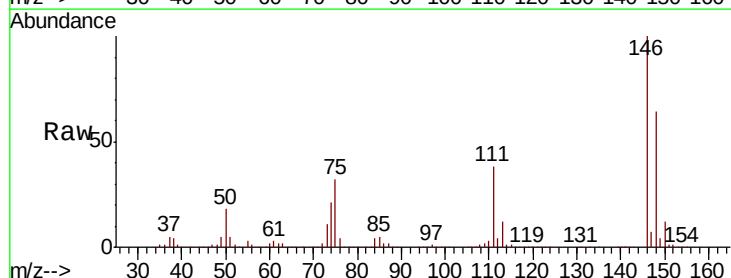
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

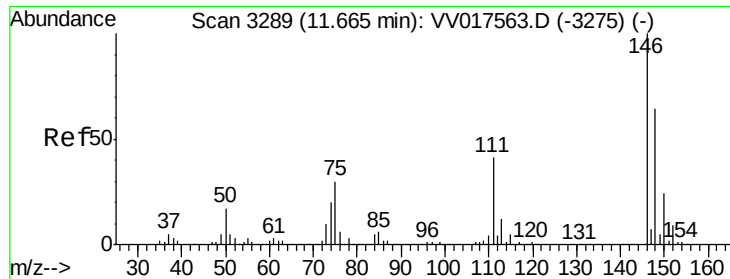
Tot Ion:146 Resp: 1211214
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.2 52.4
 148 64.7 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 192.722 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

Tgt Ion:146 Resp: 1217980
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.3 50.7
 148 63.8 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 191.466 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD20064

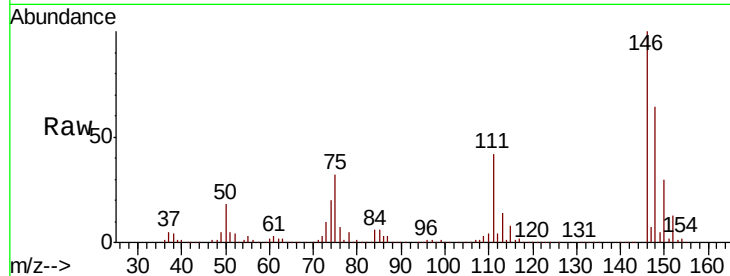
Tot Ion:146 Resp: 1204162

Ion Ratio Lower Upper

146 100

111 42.0 32.9 49.3

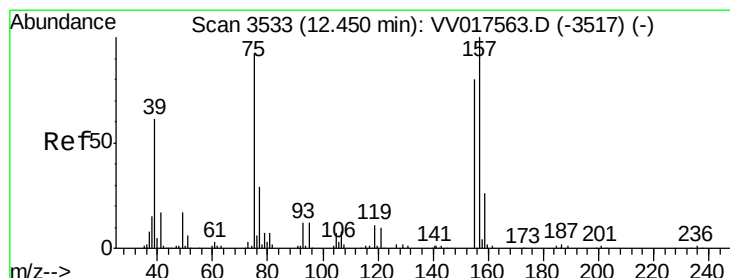
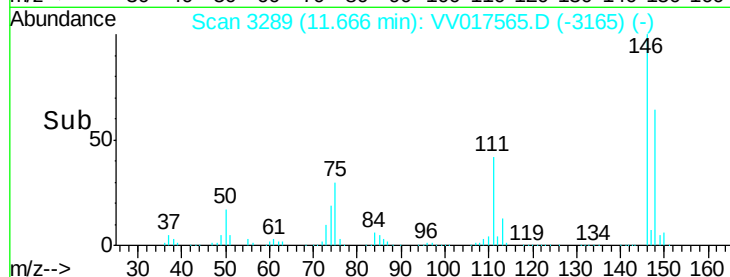
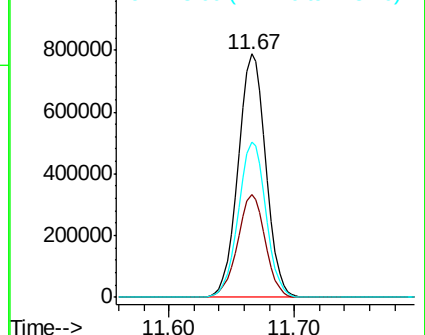
148 63.9 51.0 76.4



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: 186.465 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

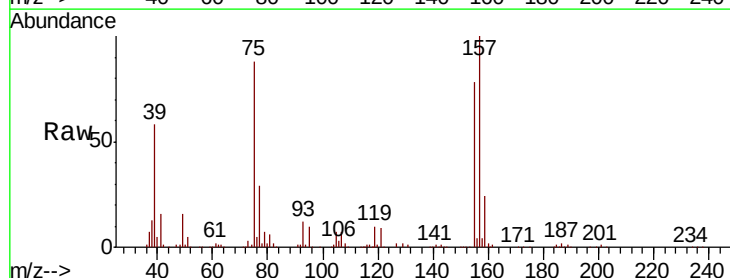
Tgt Ion: 75 Resp: 212806

Ion Ratio Lower Upper

75 100

155 88.4 69.2 103.8

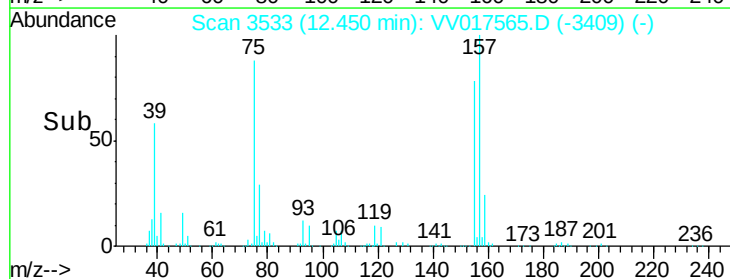
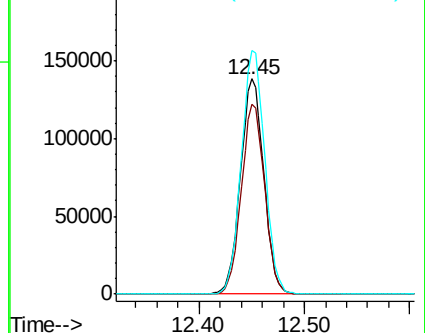
157 113.2 86.9 130.3

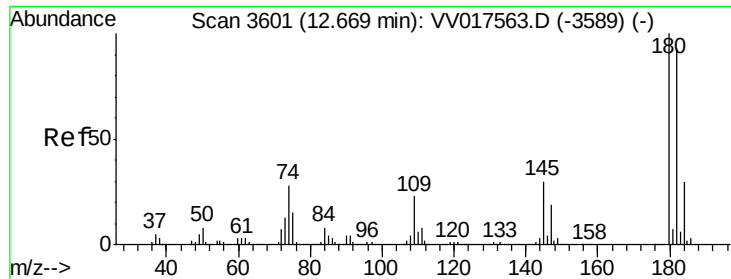


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

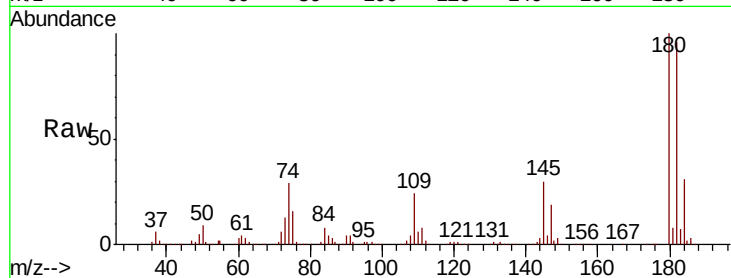




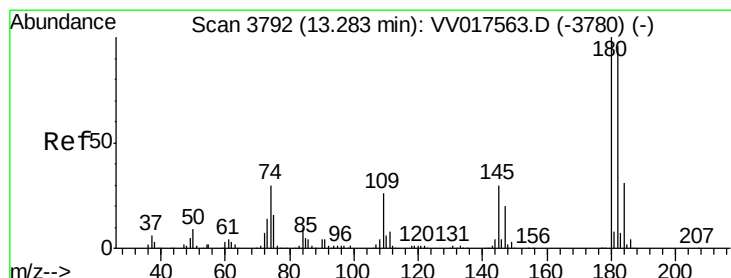
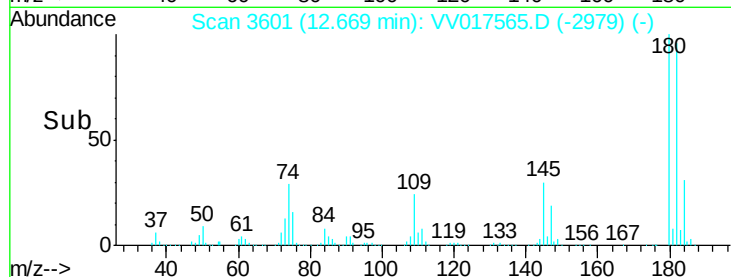
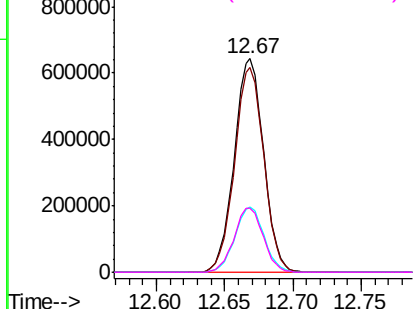
#67
 1,3,5-Trichlorobenzene
 Concen: 198.147 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20064

Tot Ion:180	Resp:	959357
Ion Ratio	Lower	Upper
180	100	
182	95.6	76.7 115.1
184	30.2	24.5 36.7
145	29.9	24.2 36.2

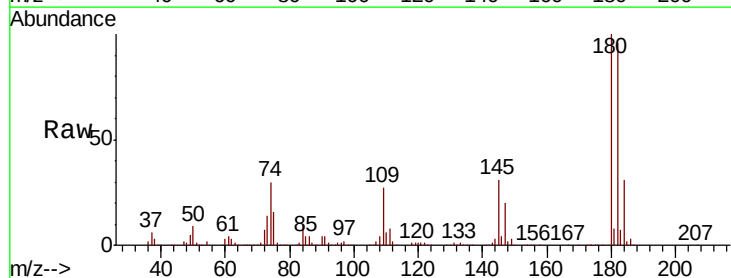


Abundance Ion 180.00 (179.70 to 180.70): V
 1000000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

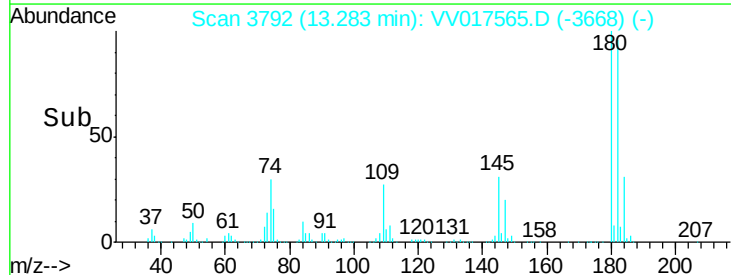
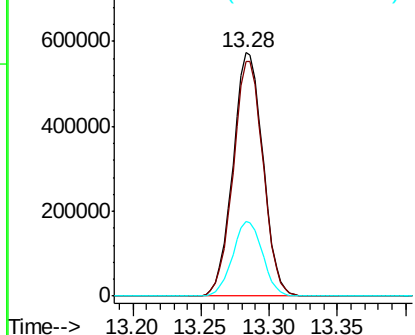


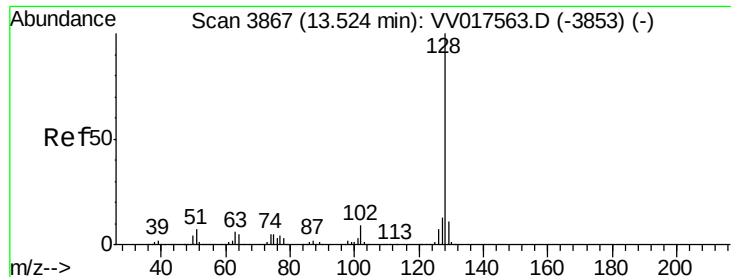
#68
 1,2,4-trichlorobenzene
 Concen: 202.352 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017565.D
 Acq: 21 Jul 2020 15:02

Tgt Ion:180	Resp:	876649
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.2 114.4
145	30.7	24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 212.748 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Instrument :

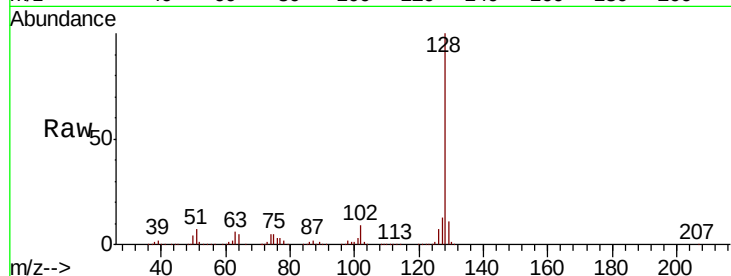
MSVOA_V

ClientSampleId :

VSTD20064

Tot Ion:128 Resp: 2600989

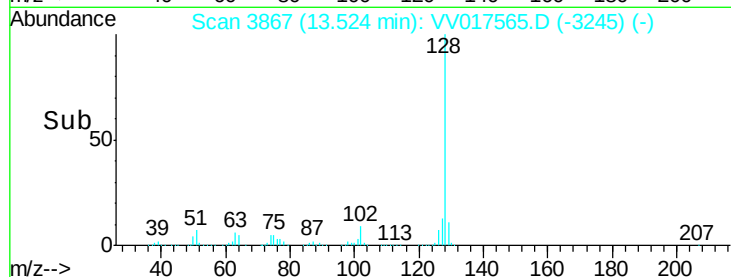
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.0	8.7	13.1



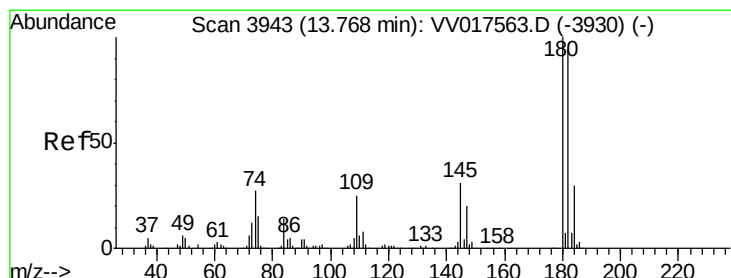
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 199.947 ug/L

RT: 13.77 min Scan# 3943

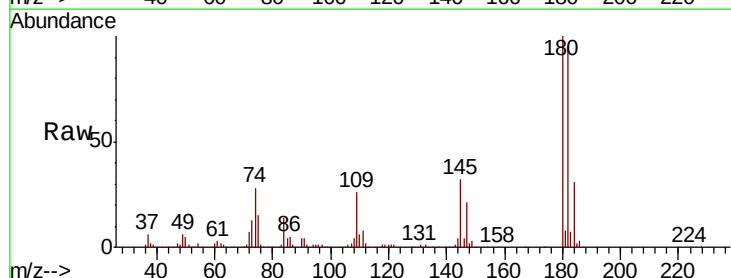
Delta R.T. 0.00 min

Lab File: VV017565.D

Acq: 21 Jul 2020 15:02

Tgt Ion:180 Resp: 862377

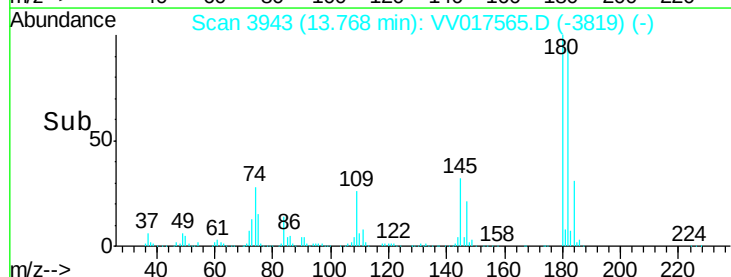
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.8	113.8
145	32.4	25.5	38.3



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



Time-->