

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV0717513.D
 Acq On : 17 Jul 2020 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB62

Quant Time: Jul 18 05:02:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 13:55:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	355755	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348803	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100418	54.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.44%
7) Chloroethane-d5	1.58	69	78606	60.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.84%
11) 1,1-Dichloroethene-d2	2.12	63	200180	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.48%
21) 2-Butanone-d5	3.91	46	154556	122.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.18%
24) Chloroform-d	4.37	84	228501	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
26) 1,2-Dichloroethane-d4	5.05	65	156760	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	5.07	84	416301	55.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.50%
36) 1,2-Dichloropropane-d6	6.09	67	128142	59.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	118.12%
41) Toluene-d8	7.33	98	394237	54.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.84%
43) trans-1,3-Dichloropropene-	7.64	79	71302	56.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.92%
47) 2-Hexanone-d5	8.11	63	116227	130.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.52%#
57) 1,1,2,2-Tetrachloroethane-	10.23	84	181331	59.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	119.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	173346	53.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	163040	42.677	ug/L 100
3) Chloromethane	1.25	50	124900	46.437	ug/L 98
5) Vinyl chloride	1.32	62	123890	45.572	ug/L 97
6) Bromomethane	1.53	94	74633	54.086	ug/L 95
8) Chloroethane	1.60	64	71009	50.341	ug/L 95
9) Trichlorofluoromethane	1.77	101	204028	40.089	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105576	44.689	ug/L 97
12) 1,1-Dichloroethene	2.13	96	95752	44.811	ug/L 94
13) Acetone	2.20	43	132523	76.960	ug/L 95
14) Carbon disulfide	2.31	76	286985	44.128	ug/L 99
15) Methyl Acetate	2.45	43	129979	56.866	ug/L 95
16) Methylene chloride	2.52	84	125613	50.493	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	111060	47.795	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	397069	51.220	ug/L 98
19) 1,1-Dichloroethane	3.21	63	214869	50.288	ug/L 99
22) 2-Butanone	3.99	43	178019	105.761	ug/L 98
23) Bromochloromethane	4.27	128	70217	50.686	ug/L 95

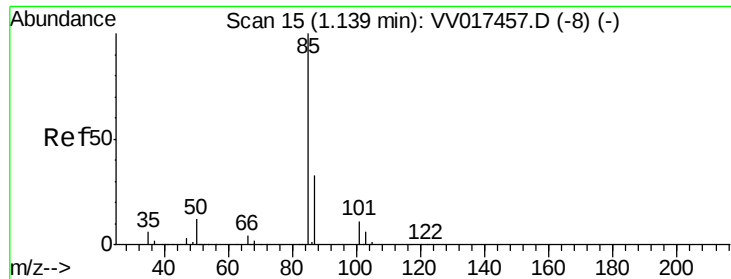
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV071513.D
 Acq On : 17 Jul 2020 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
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Quant Time: Jul 18 05:02:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 13:55:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	237821	49.589	ug/L	98
27) 1,2-Dichloroethane	5.15	62	197014	46.736	ug/L	97
29) Cyclohexane	4.70	56	171500	47.149	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	214120	44.641	ug/L	99
31) Carbon tetrachloride	4.85	117	194091	44.209	ug/L	98
33) Benzene	5.12	78	461319	50.033	ug/L	100
34) Trichloroethene	5.94	95	122279	44.670	ug/L	97
35) Methylcyclohexane	6.15	83	182170	45.445	ug/L	97
37) 1,2-Dichloropropane	6.19	63	123297	54.674	ug/L	99
38) Bromodichloromethane	6.53	83	178995	48.745	ug/L	100
39) cis-1,3-Dichloropropene	7.04	75	203604	52.979	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	347205	111.345	ug/L	98
42) Toluene	7.41	91	506275	49.126	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	203743	51.257	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	126410	51.663	ug/L	97
46) Tetrachloroethene	7.99	164	106356	46.271	ug/L	95
48) 2-Hexanone	8.16	43	263949	104.562	ug/L	99
49) Dibromochloromethane	8.26	129	153588	50.317	ug/L	98
50) 1,2-Dibromoethane	8.37	107	135051	51.568	ug/L	98
51) Chlorobenzene	8.90	112	337731	48.362	ug/L	100
52) Ethylbenzene	9.03	91	565363	47.962	ug/L	99
53) m,p-Xylene	9.16	106	220208	49.899	ug/L	100
54) o-xylene	9.56	106	213379	50.338	ug/L	98
55) Styrene	9.58	104	383000	52.016	ug/L	98
56) Isopropylbenzene	9.95	105	575869	48.832	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	199825	55.612	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	163351	52.273	ug/L	98
61) Bromoform	9.75	173	115829	49.924	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	294713	48.966	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	299436	49.019	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	297372	49.563	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	52075	53.340	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	232108	51.195	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	211067	53.089	ug/L	100
69) Naphthalene	13.52	128	633613	57.068	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	215836	53.371	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 42.677 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017513.D

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Instrument :

MSVOA_V

ClientSampleId :

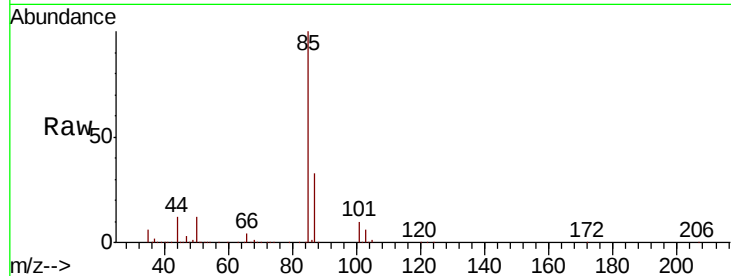
BFB62

Tot Ion: 85 Resp: 163040

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017513.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017513.D (-1) (-)

1.14

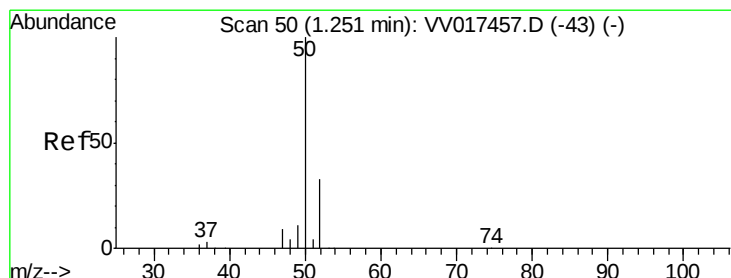
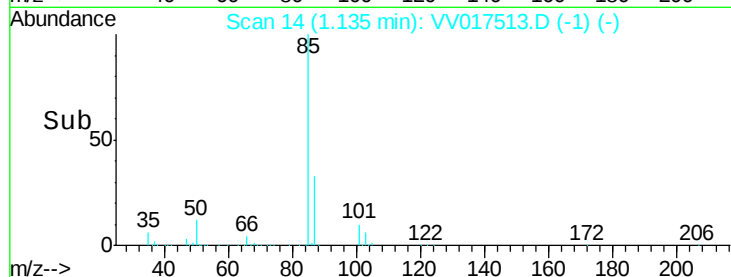
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.437 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017513.D

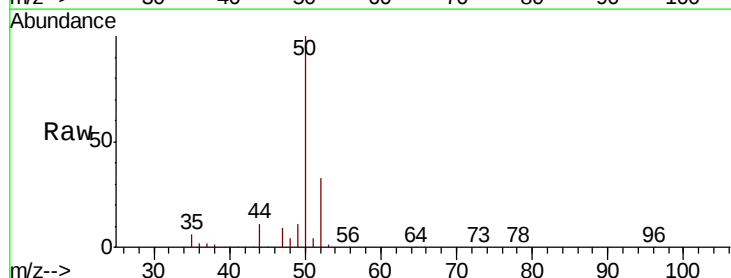
Acq: 17 Jul 2020 09:49

Tgt Ion: 50 Resp: 124900

Ion Ratio Lower Upper

50 100

52 32.6 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV017513.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV017513.D (-1) (-)

1.25

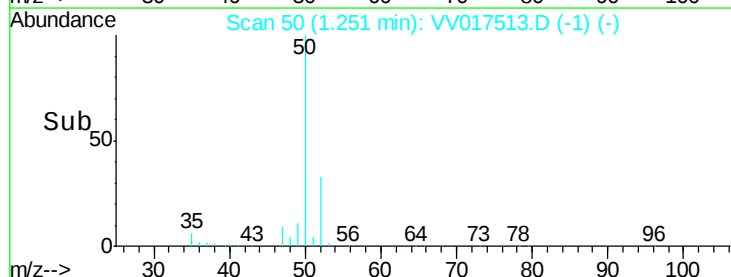
150000

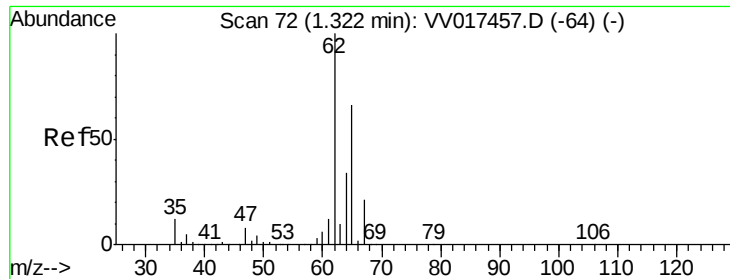
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 45.572 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

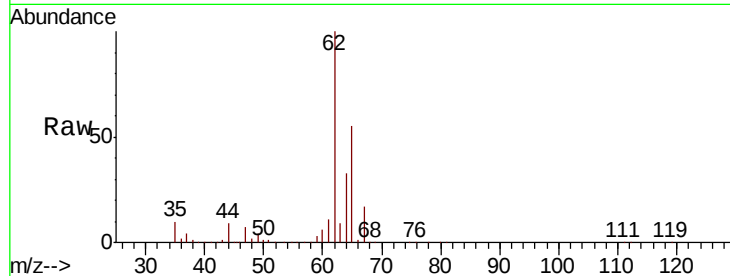
BFB62

Tot Ion: 62 Resp: 123890

Ion Ratio Lower Upper

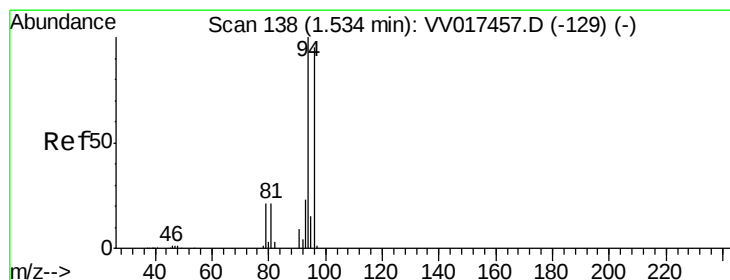
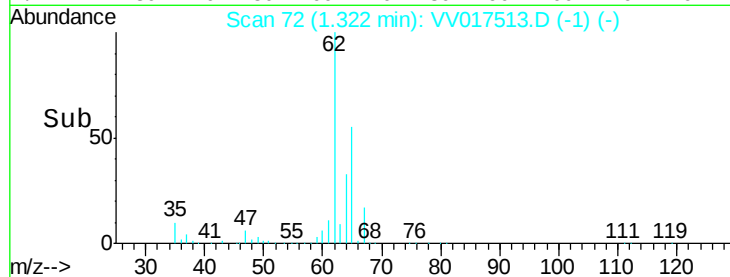
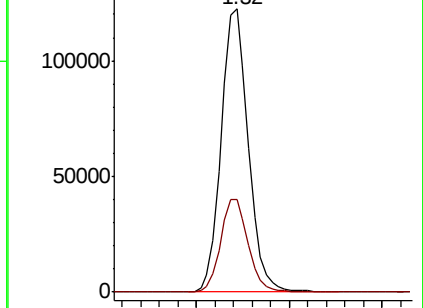
62 100

64 32.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 54.086 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017513.D

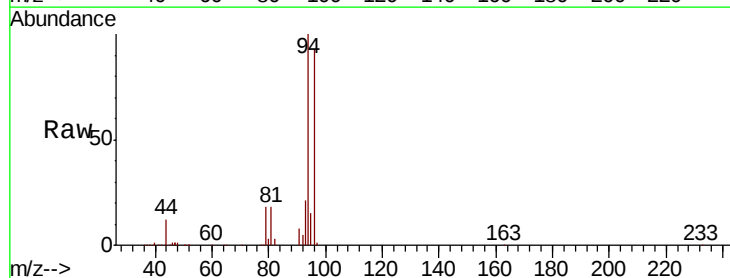
Acq: 17 Jul 2020 09:49

Tgt Ion: 94 Resp: 74633

Ion Ratio Lower Upper

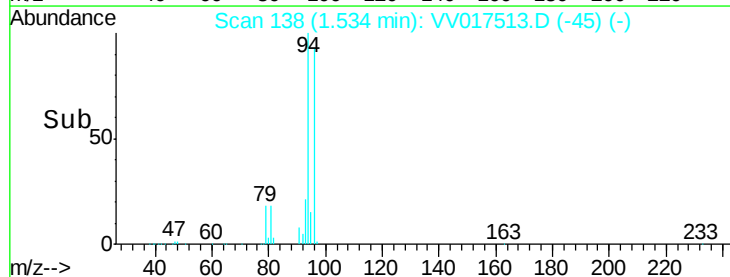
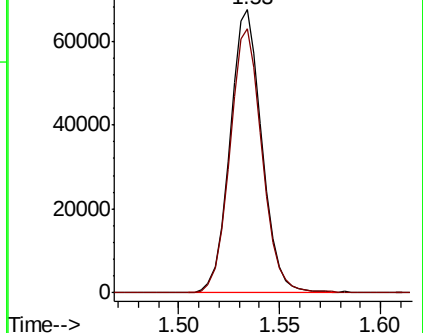
94 100

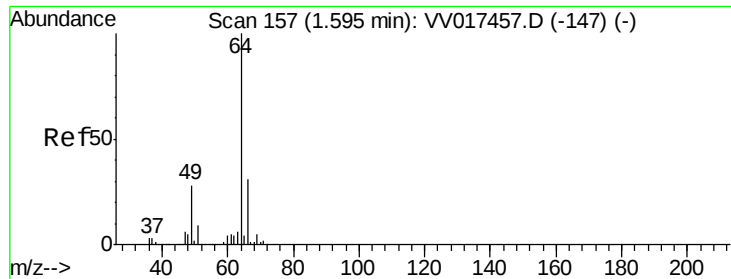
96 93.5 69.0 128.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.341 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

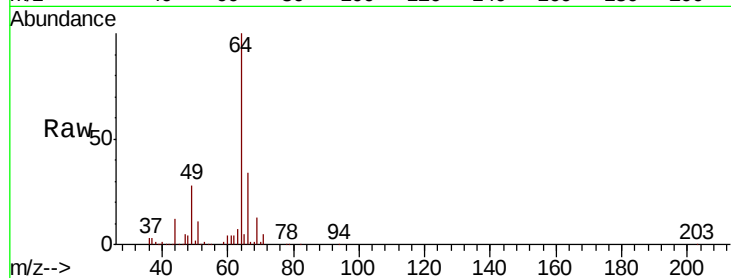
BFB62

Tot Ion: 64 Resp: 71009

Ion Ratio Lower Upper

64 100

66 34.1 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV017457.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV017457.D (-147) (-)

1.60

60000

40000

20000

0

Time-->

1.55

1.60

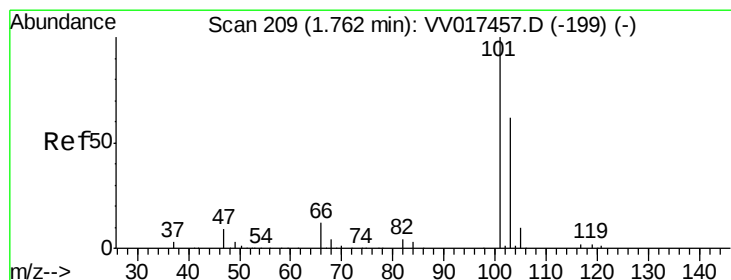
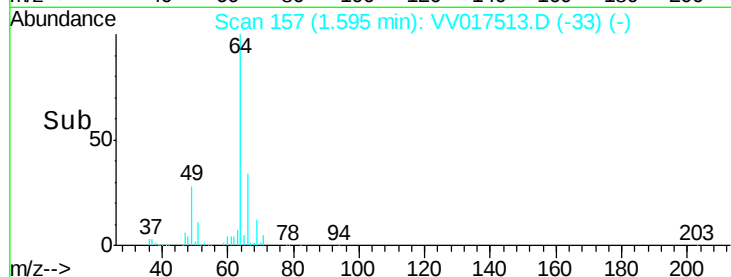
1.65

1.70

1.75

1.80

1.85



#9

Trichlorofluoromethane

Concen: 40.089 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017513.D

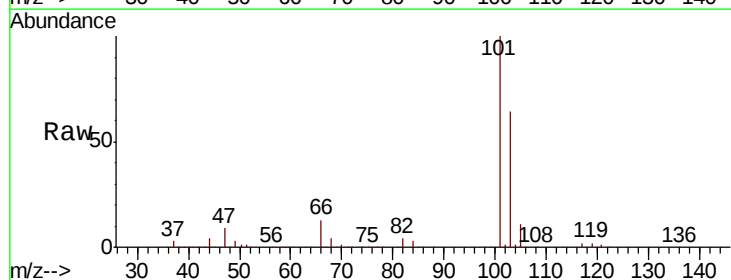
Acq: 17 Jul 2020 09:49

Tgt Ion:101 Resp: 204028

Ion Ratio Lower Upper

101 100

103 64.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV017457.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV017457.D (-199) (-)

1.77

150000

100000

50000

0

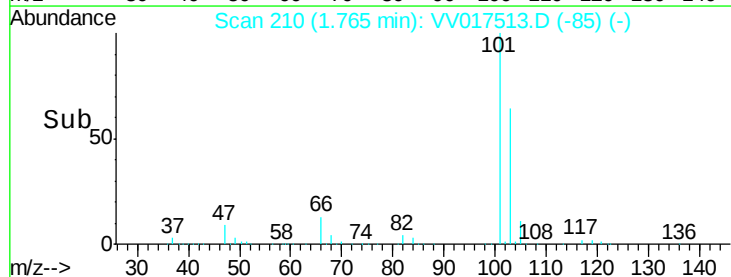
Time-->

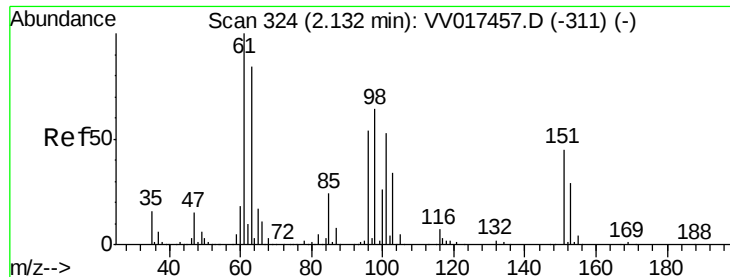
1.70

1.75

1.80

1.85





#10

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

Concen: 44.689 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampled :

BFB62

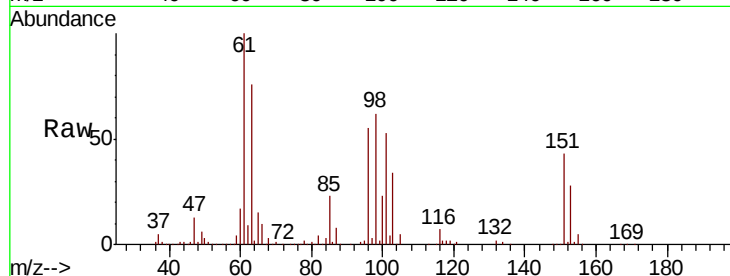
Tot Ion:101 Resp: 105576

Ion Ratio Lower Upper

101 100

85 44.1 36.2 54.4

151 80.8 66.8 100.2



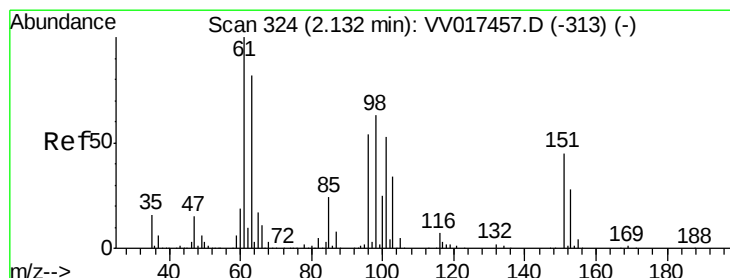
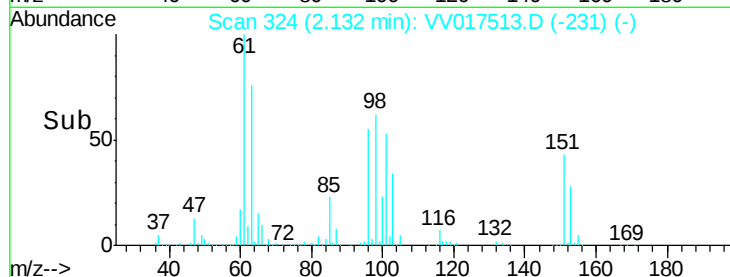
Abundance Ion 101.00 (100.70 to 101.70): VV017513.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017513.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017513.D (-231) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 44.811 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

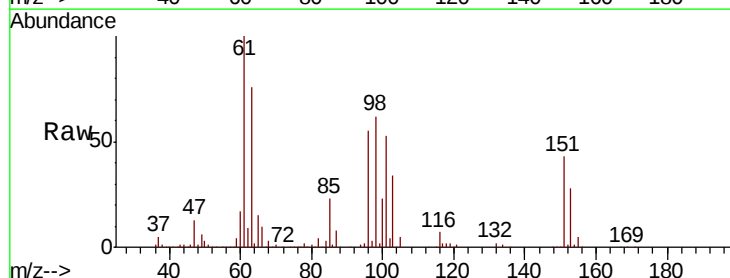
Tgt Ion: 96 Resp: 95752

Ion Ratio Lower Upper

96 100

61 181.7 132.7 246.4

63 138.0 103.3 191.8



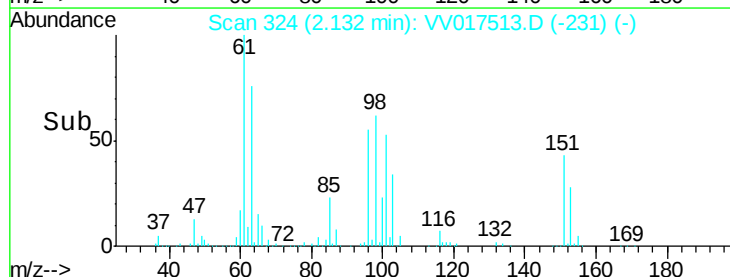
Abundance Ion 96.00 (95.70 to 96.70): VV017513.D (-231) (-)

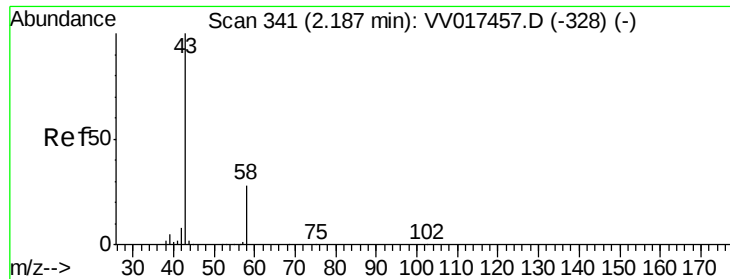
Ion 61.00 (60.70 to 61.70): VV017513.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017513.D (-231) (-)

2.13

Time-->





#13

Acetone

Concen: 76.960 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

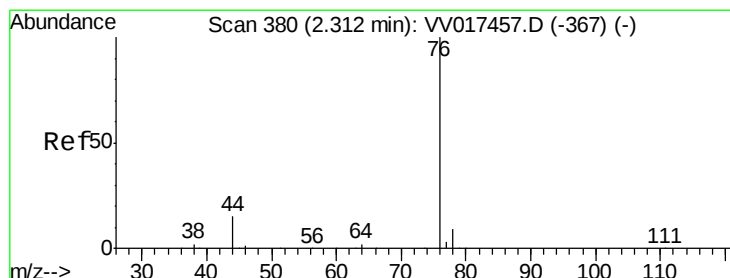
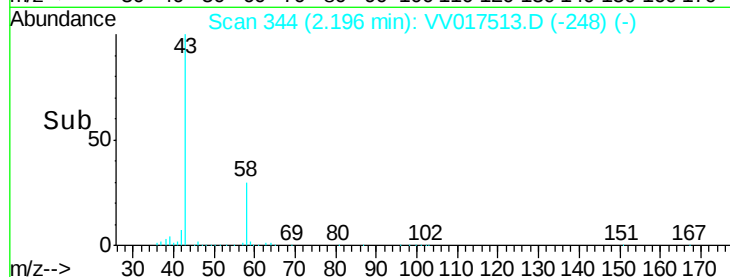
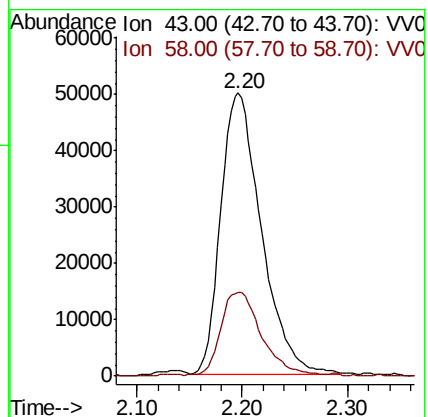
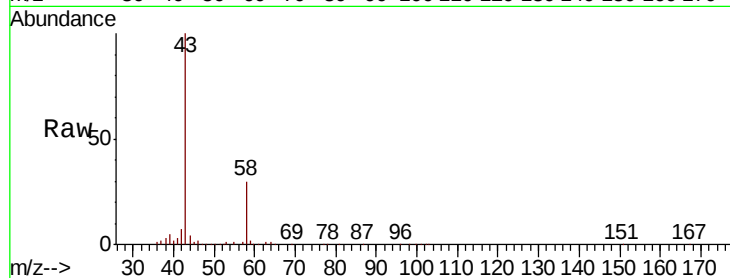
BFB62

Tot Ion: 43 Resp: 132523

Ion Ratio Lower Upper

43 100

58 30.5 0.0 56.0



#14

Carbon disulfide

Concen: 44.128 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017513.D

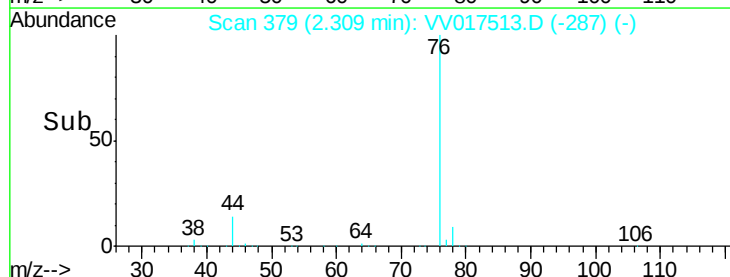
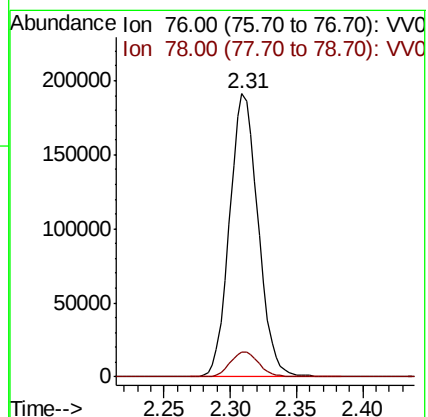
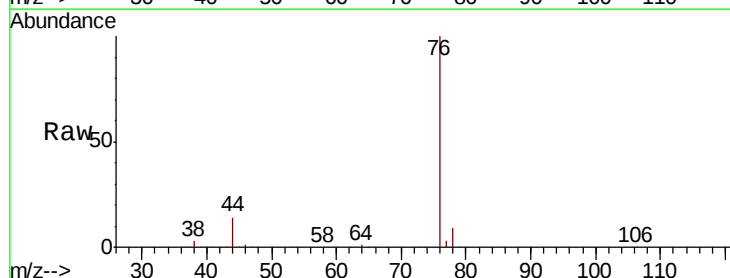
Acq: 17 Jul 2020 09:49

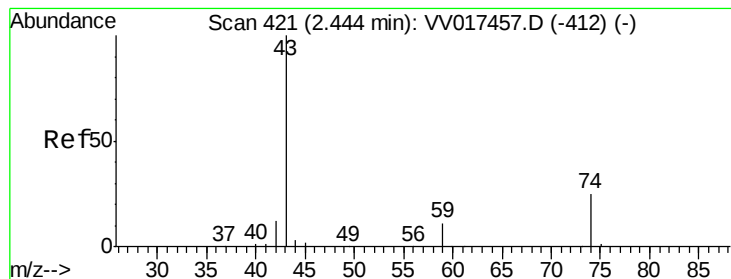
Tgt Ion: 76 Resp: 286985

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2





#15

Methvl Acetate

Concen: 56.866 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

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MSVOA_V

ClientSampleId :

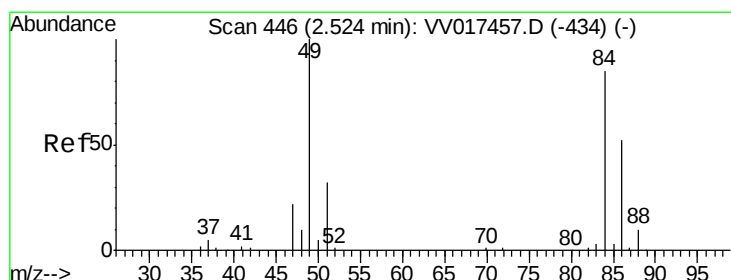
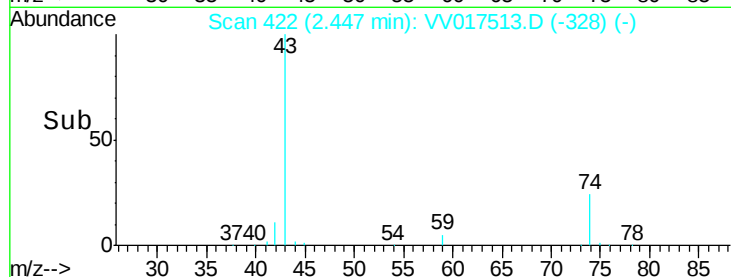
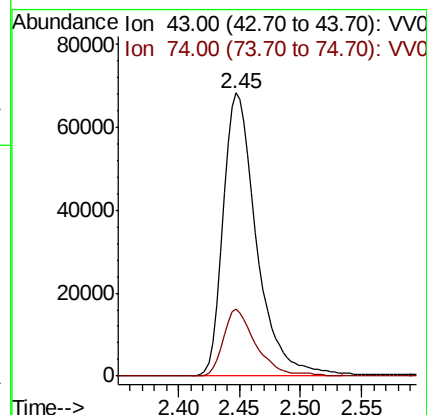
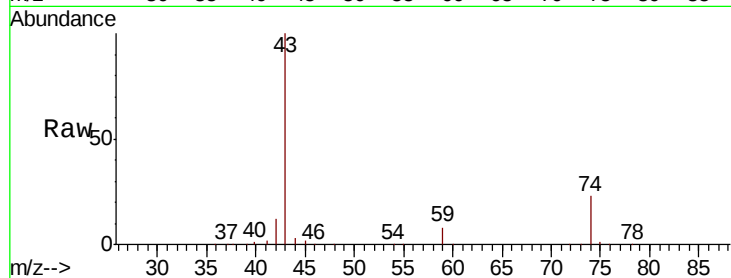
BFB62

Tot Ion: 43 Resp: 129979

Ion Ratio Lower Upper

43 100

74 22.8 20.2 30.4



#16

Methylene chloride

Concen: 50.493 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

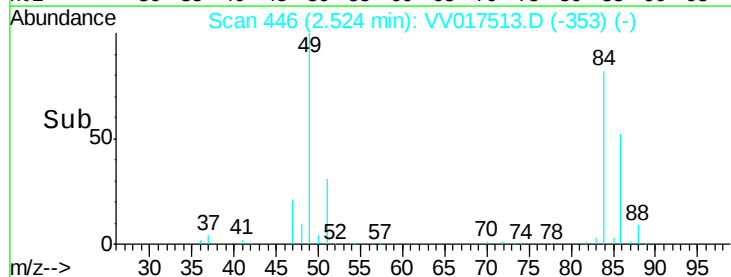
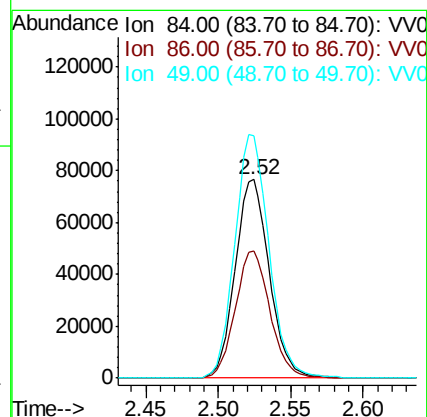
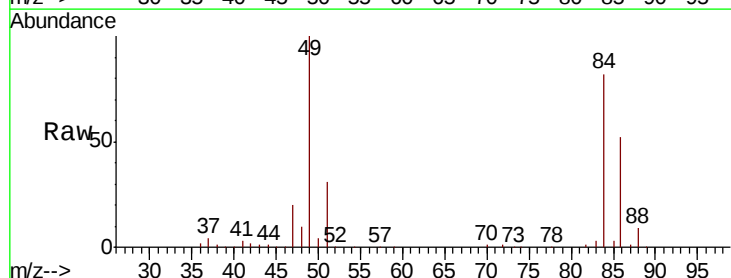
Tgt Ion: 84 Resp: 125613

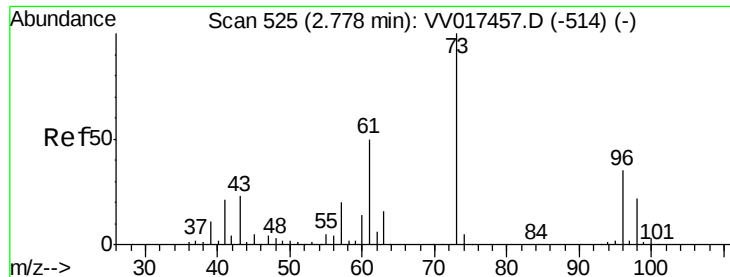
Ion Ratio Lower Upper

84 100

86 64.1 46.5 86.5

49 122.3 85.3 158.5

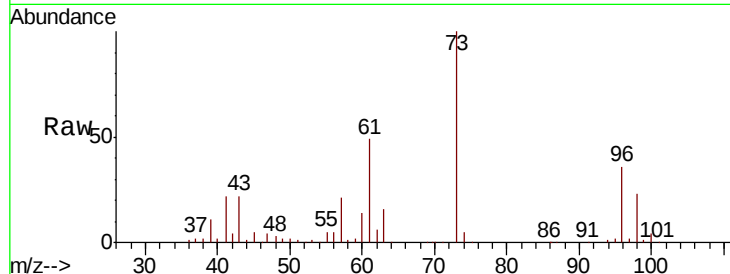




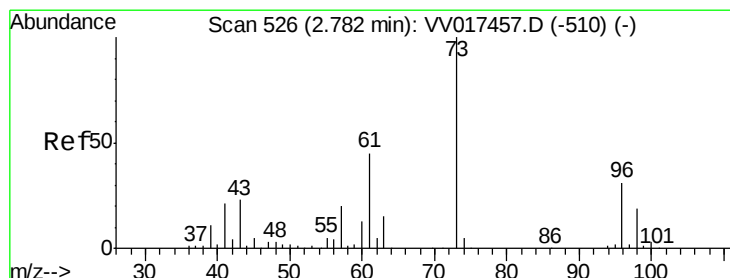
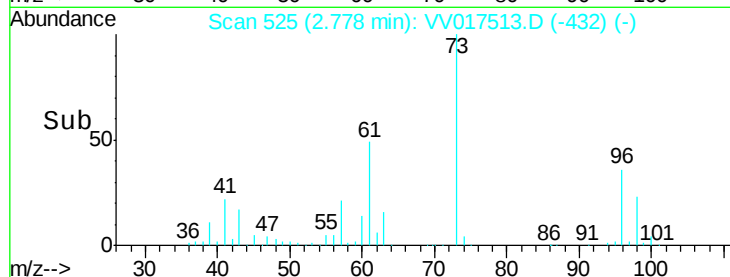
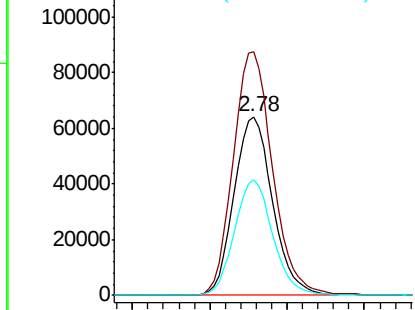
#17
trans-1,2-Dichloroethene
Concen: 47.795 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tot Ion: 96 Resp: 111060
Ion Ratio Lower Upper
96 100
61 136.5 99.0 184.0
98 64.7 44.4 82.5

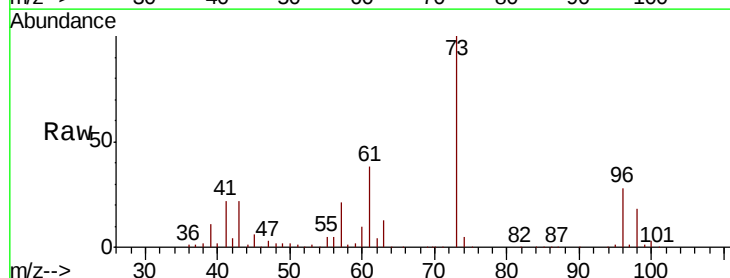


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

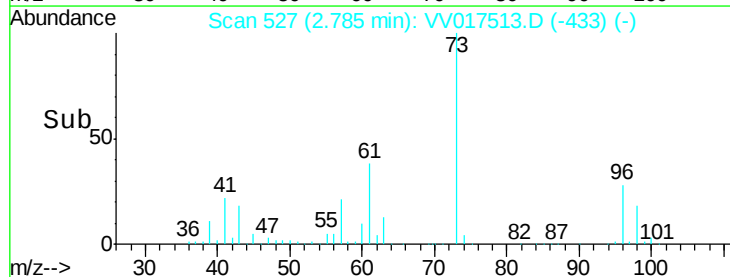
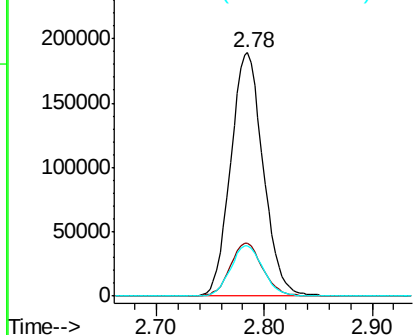


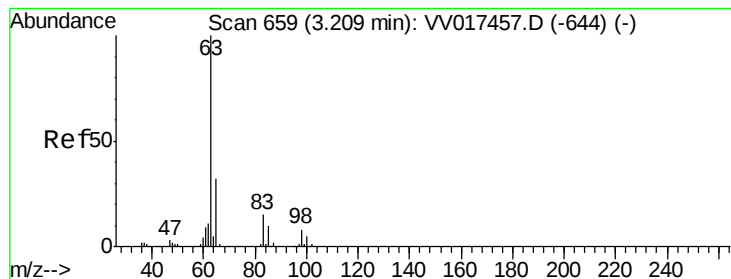
#18
Methyl tert-butyl Ether
Concen: 51.220 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Tgt Ion: 73 Resp: 397069
Ion Ratio Lower Upper
73 100
43 21.4 18.2 27.2
57 20.8 16.2 24.4



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: 50.288 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

BFB62

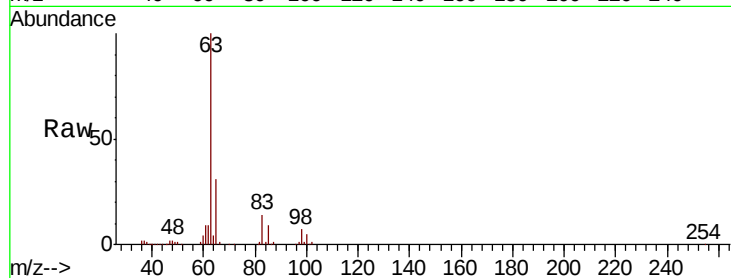
Tot Ion: 63 Resp: 214869

Ion Ratio Lower Upper

63 100

65 31.2 22.1 41.1

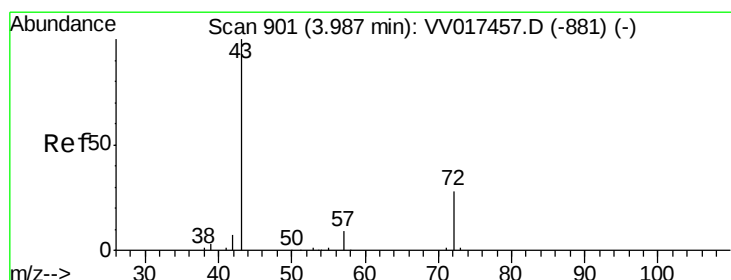
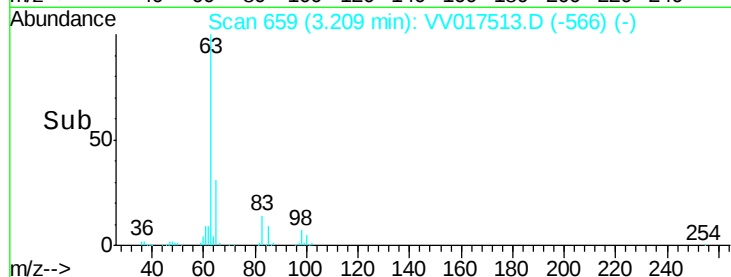
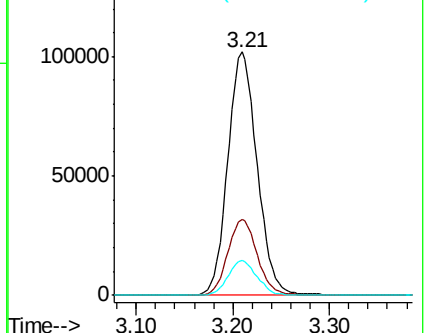
83 14.4 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV017513.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV017513.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV017513.D (-566) (-)



#22

2-Butanone

Concen: 105.761 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017513.D

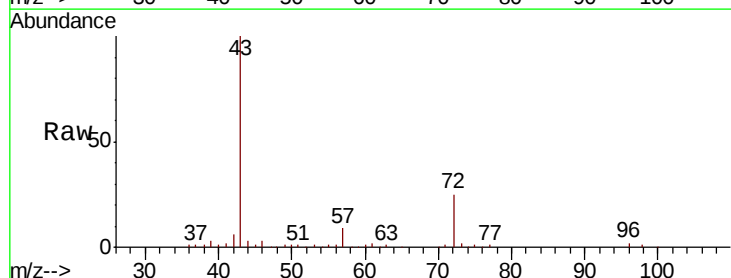
Acq: 17 Jul 2020 09:49

Tgt Ion: 43 Resp: 178019

Ion Ratio Lower Upper

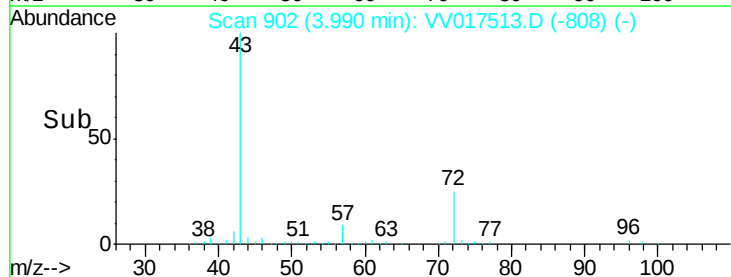
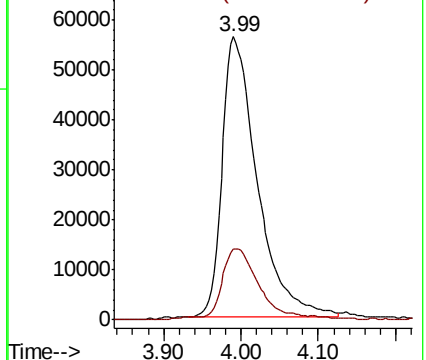
43 100

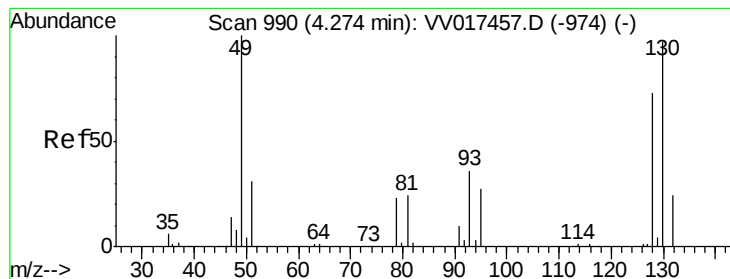
72 24.6 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VV017513.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV017513.D (-808) (-)





#23

Bromochloromethane

Concen: 50.686 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

BFB62

Tot Ion:128 Resp: 70217

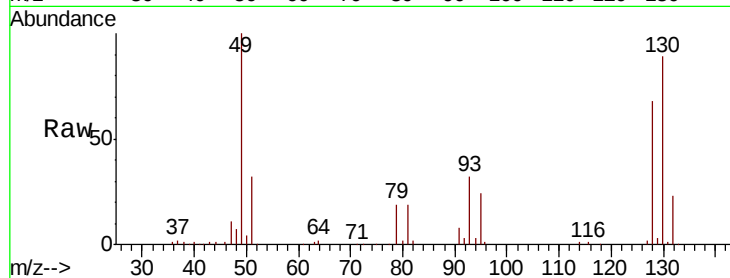
Ion Ratio Lower Upper

128 100

49 147.1 96.7 179.5

130 130.4 88.3 164.1

51 46.5 36.1 54.1

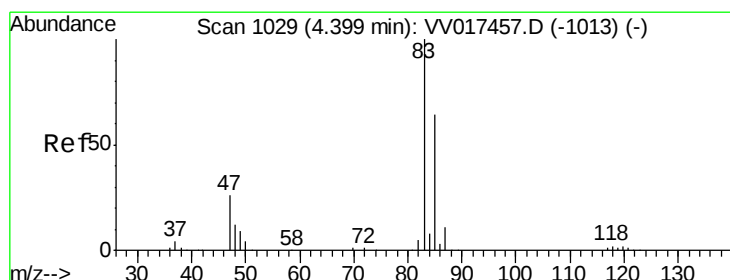
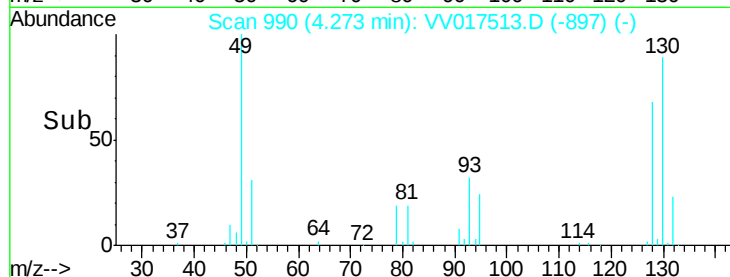
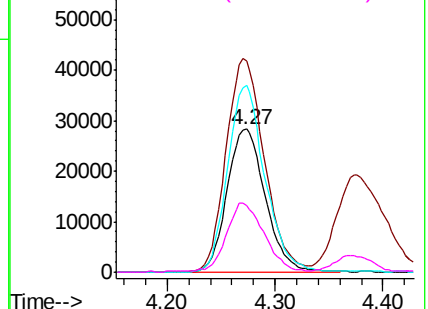


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 49.589 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV017513.D

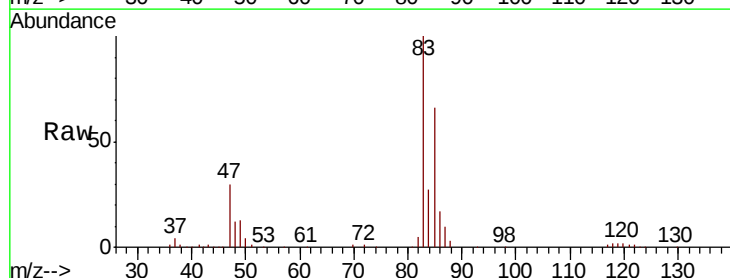
Acq: 17 Jul 2020 09:49

Tgt Ion: 83 Resp: 237821

Ion Ratio Lower Upper

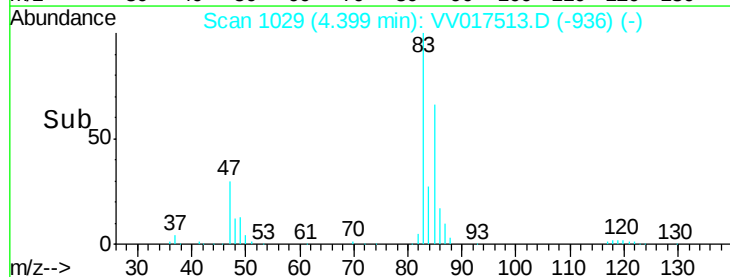
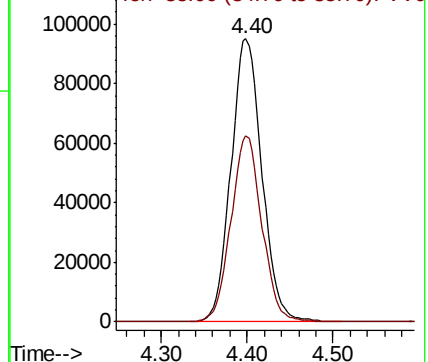
83 100

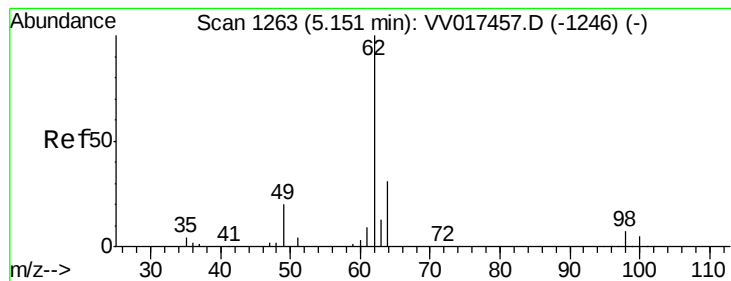
85 65.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 46.736 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

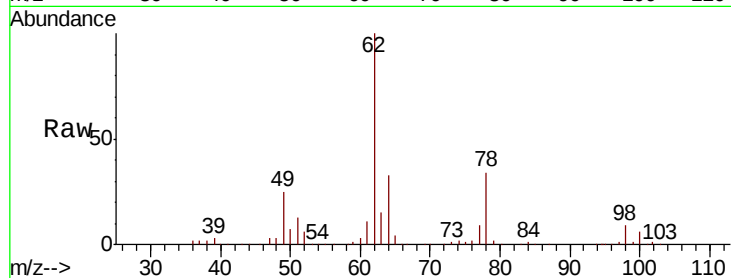
BFB62

Tot Ion: 62 Resp: 197014

Ion Ratio Lower Upper

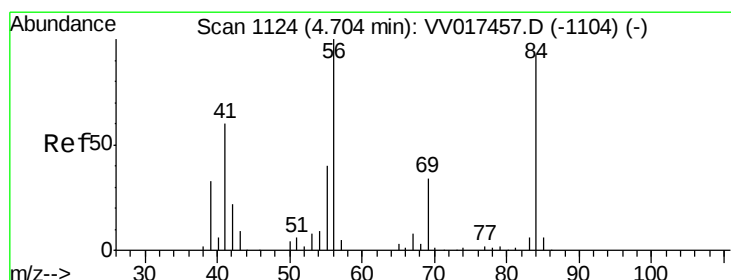
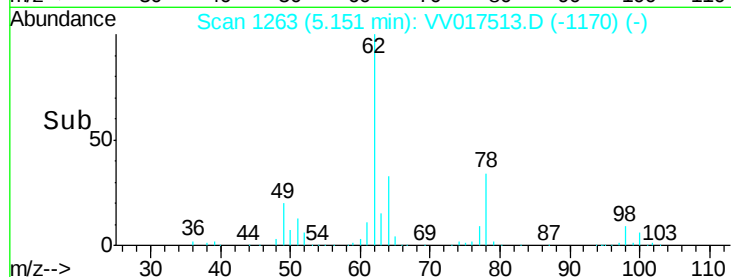
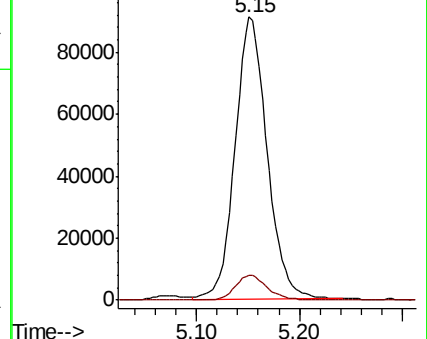
62 100

98 8.9 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 47.149 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

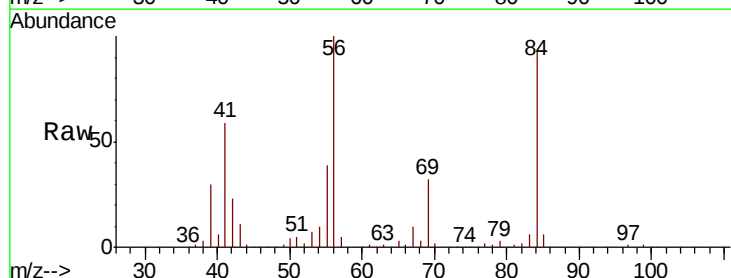
Tgt Ion: 56 Resp: 171500

Ion Ratio Lower Upper

56 100

69 31.4 27.0 40.4

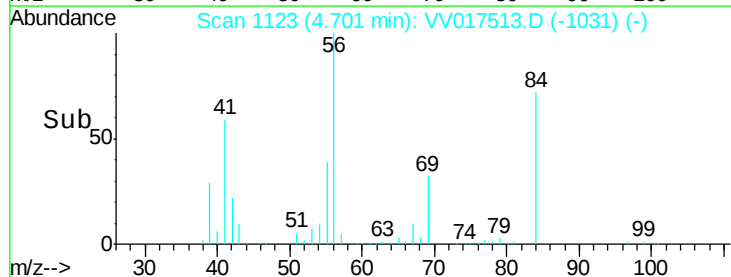
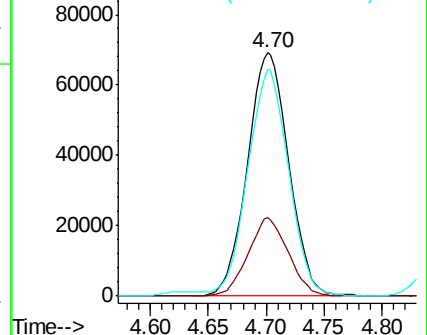
84 91.9 77.4 116.0

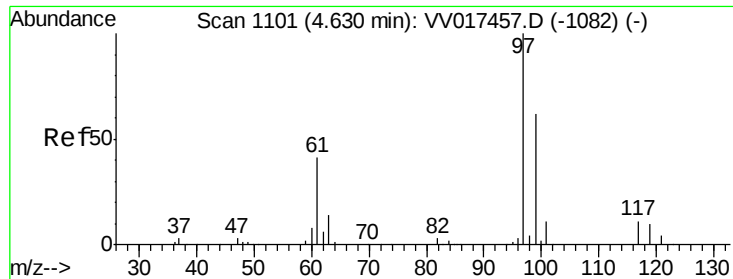


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



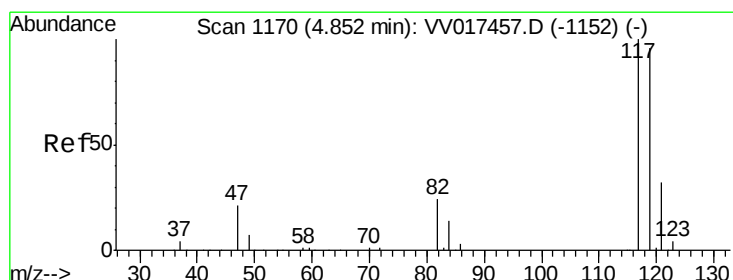
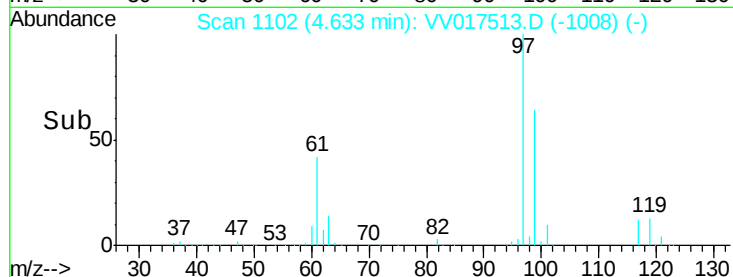
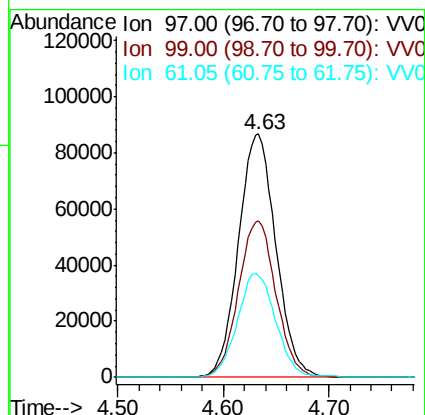
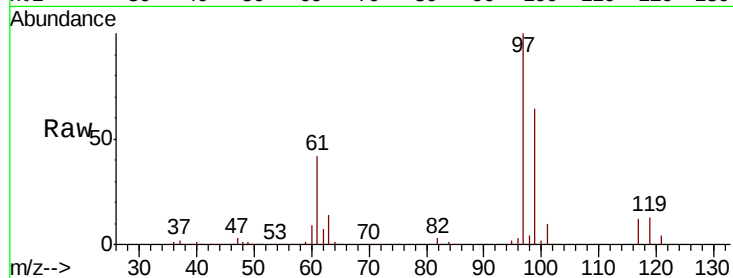


#30
 1,1,1-Trichloroethane
 Concen: 44.641 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

Instrument :
 MSVOA_V
 ClientSampled :
 BFB62

Tot Ion: 97 Resp: 214120

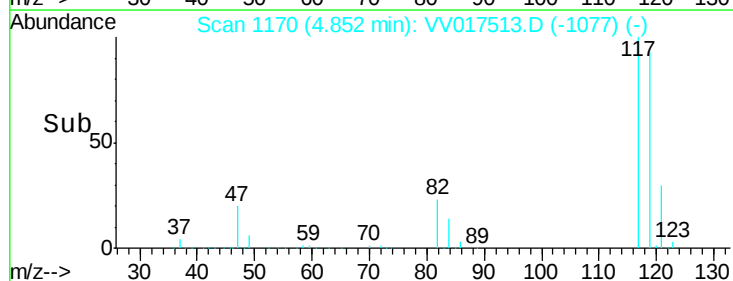
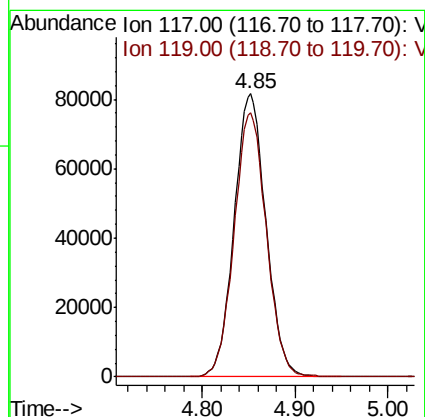
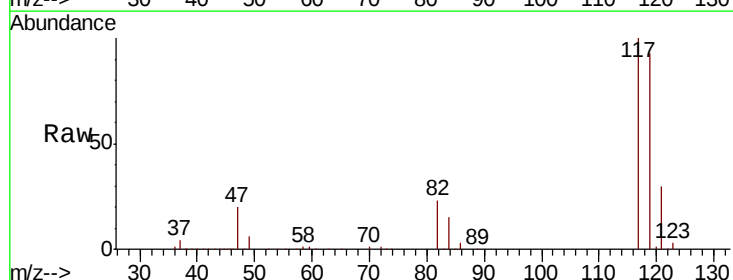
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	43.7	34.1	51.1

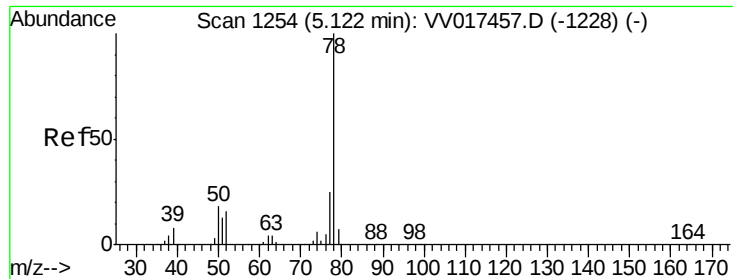


#31
 Carbon tetrachloride
 Concen: 44.209 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

Tgt Ion: 117 Resp: 194091

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.4	116.0





#33

Benzene

Concen: 50.033 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

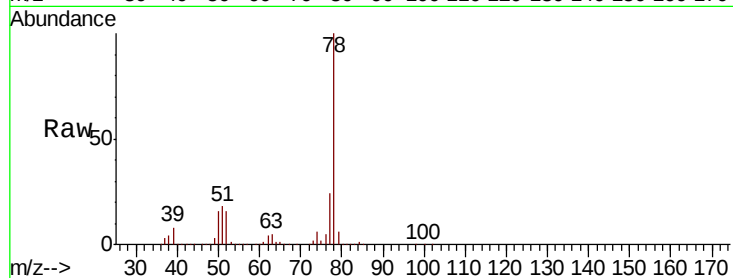
Instrument :

MSVOA_V

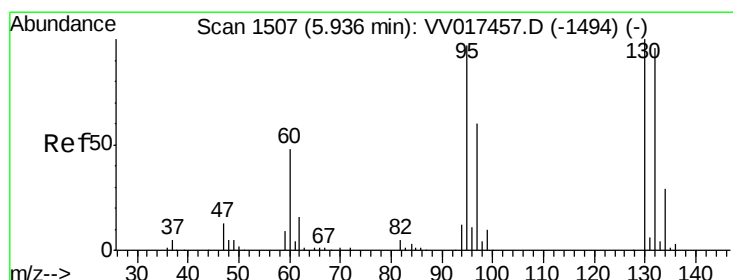
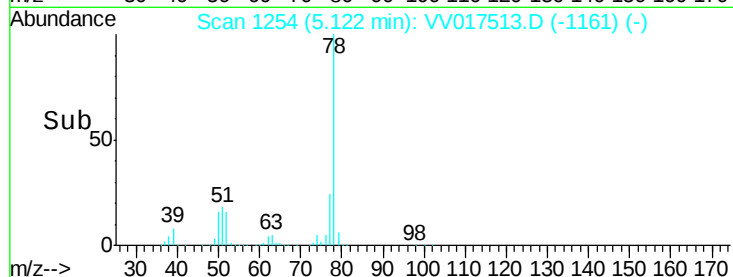
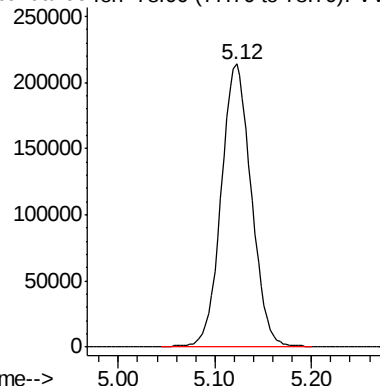
ClientSampleId :

BFB62

Tgt Ion: 78 Resp: 461319



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 44.670 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Tgt Ion: 95 Resp: 122279

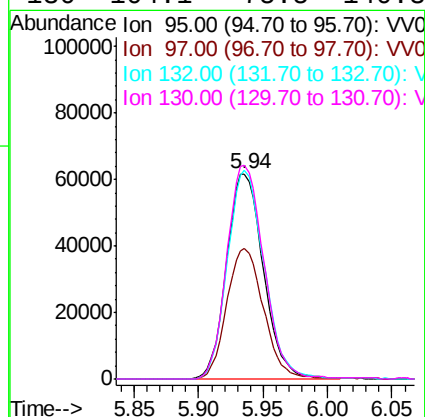
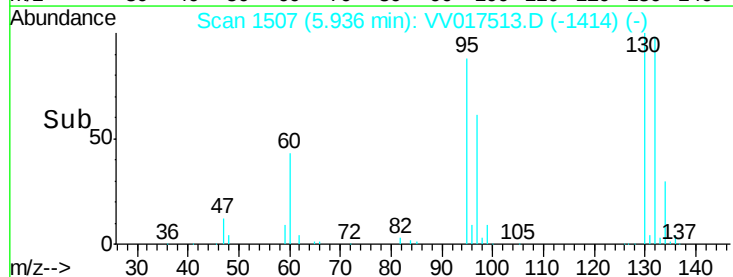
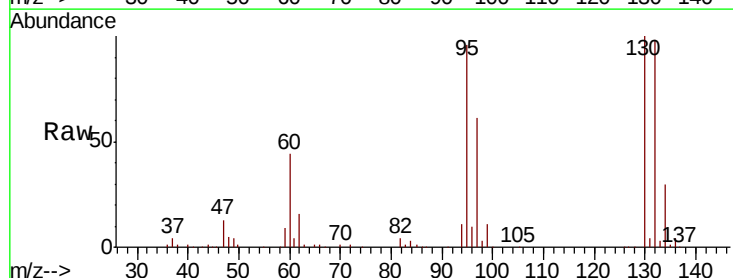
Ion	Ratio	Lower	Upper
95	100		
97	63.3	45.6	84.6
132	101.6	74.1	137.5
130	104.1	75.5	140.3

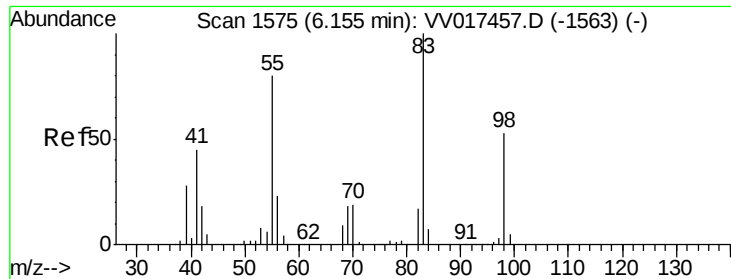
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

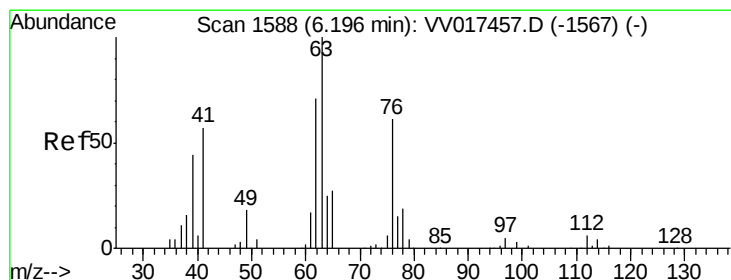
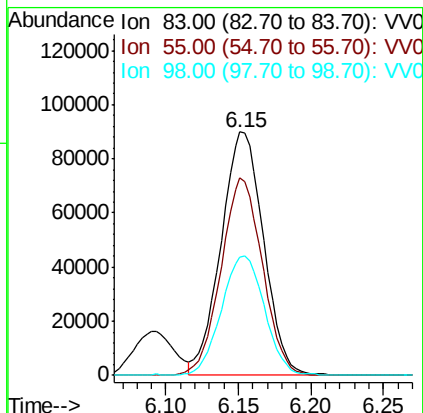
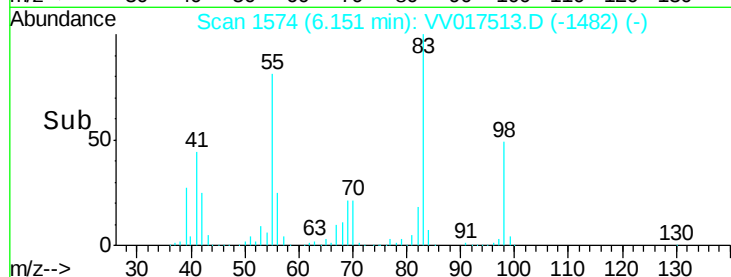
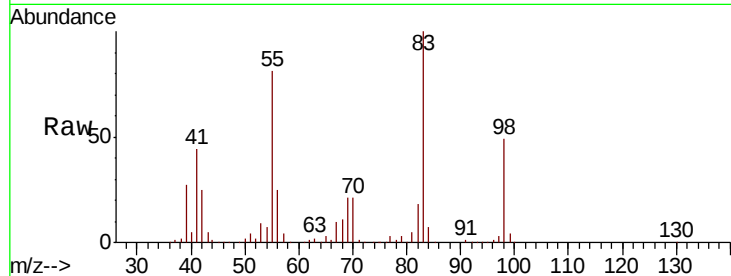




#35
Methvlcvclohexane
Concen: 45.445 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

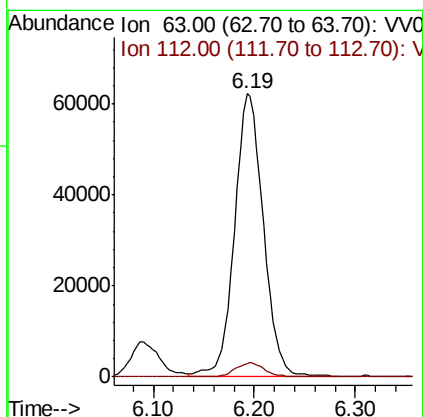
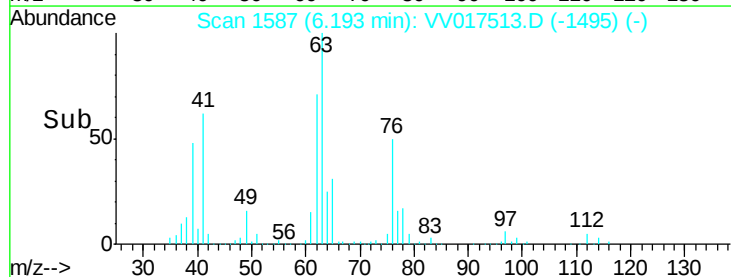
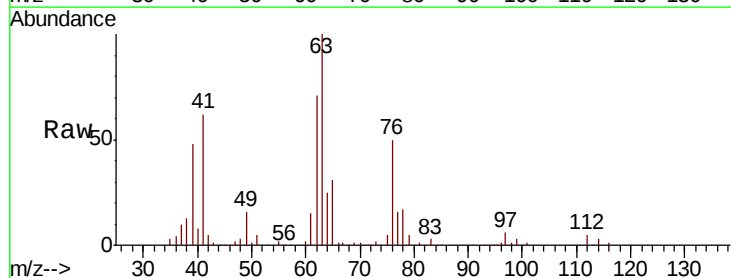
Instrument :
MSVOA_V
ClientSampleId :
BFB62

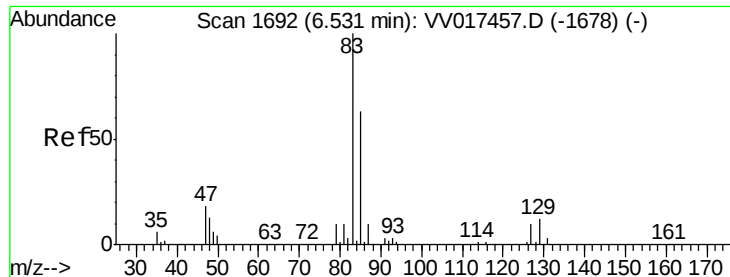
Tot Ion: 83 Resp: 182170
Ion Ratio Lower Upper
83 100
55 79.0 61.0 91.6
98 49.9 41.3 61.9



#37
1,2-Dichloropropane
Concen: 54.674 ug/L
RT: 6.19 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Tgt Ion: 63 Resp: 123297
Ion Ratio Lower Upper
63 100
112 5.1 4.4 6.6





#38

Bromodichloromethane

Concen: 48.745 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

BFB62

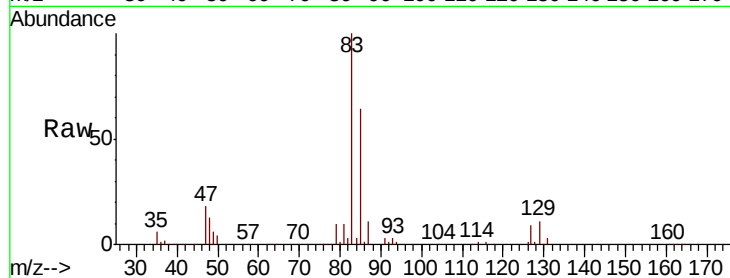
Tot Ion: 83 Resp: 178995

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

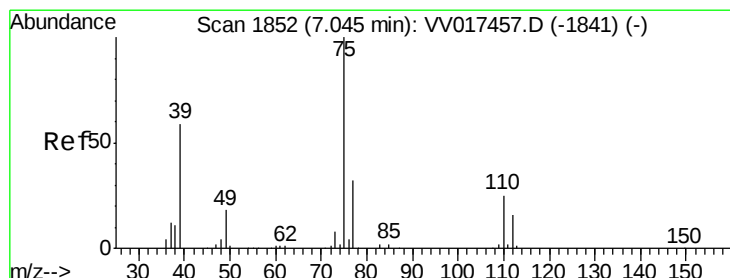
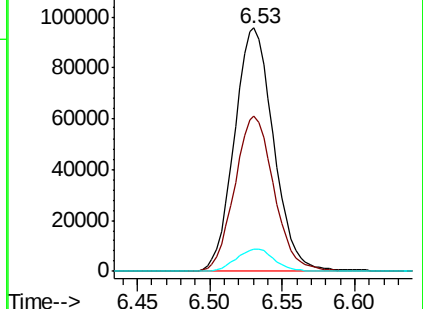
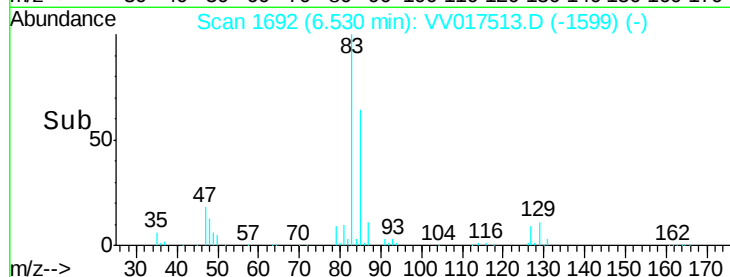
127 8.9 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV017513.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV017513.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV017513.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 52.979 ug/L

RT: 7.04 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VV017513.D

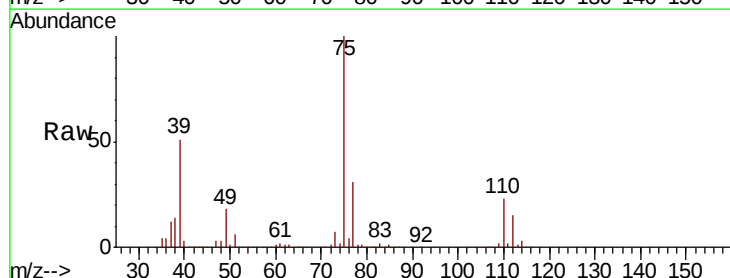
Acq: 17 Jul 2020 09:49

Tgt Ion: 75 Resp: 203604

Ion Ratio Lower Upper

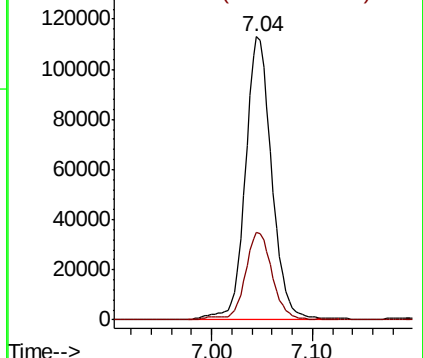
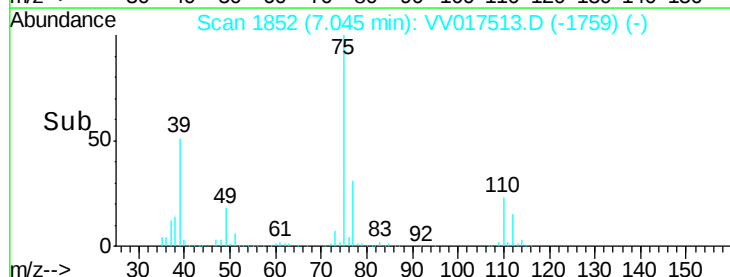
75 100

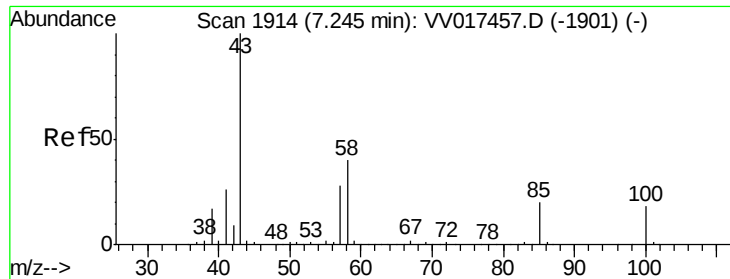
77 30.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV017513.D (-1759) (-)

Ion 77.00 (76.70 to 77.70): VV017513.D (-1759) (-)

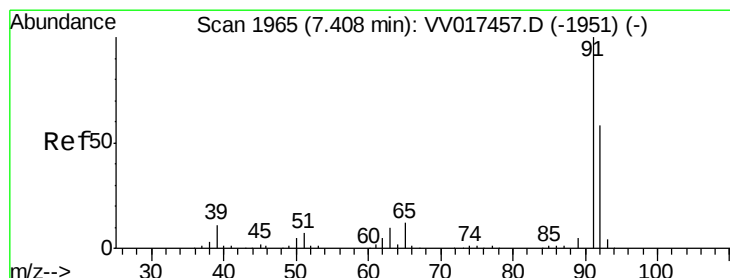
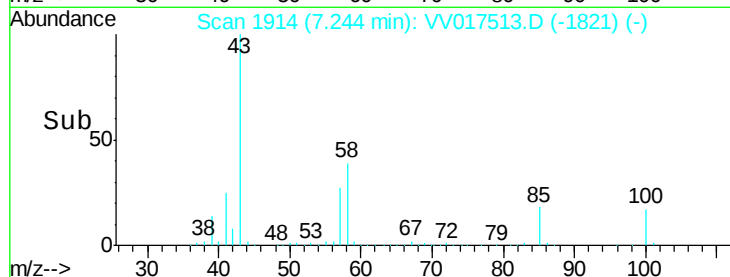
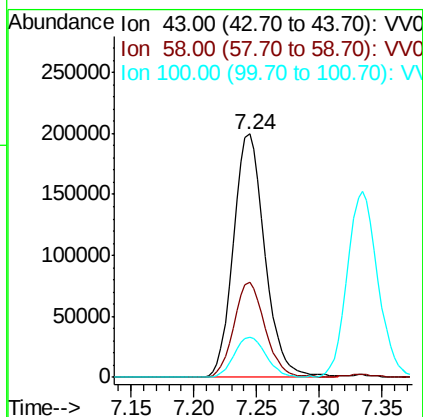
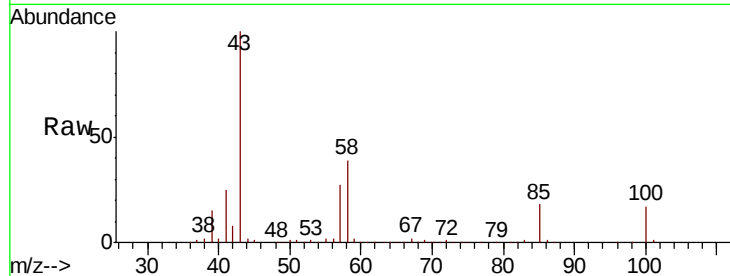




#40
4-Methyl-2-pentanone
Concen: 111.345 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

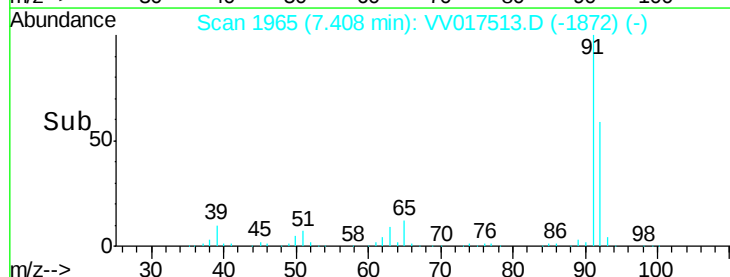
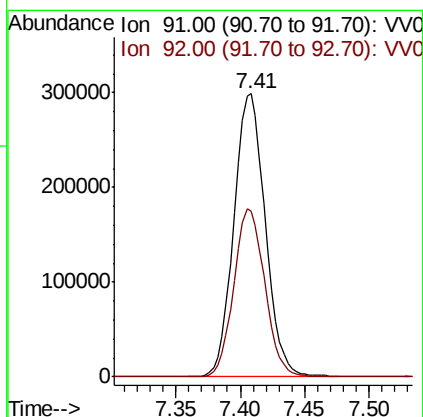
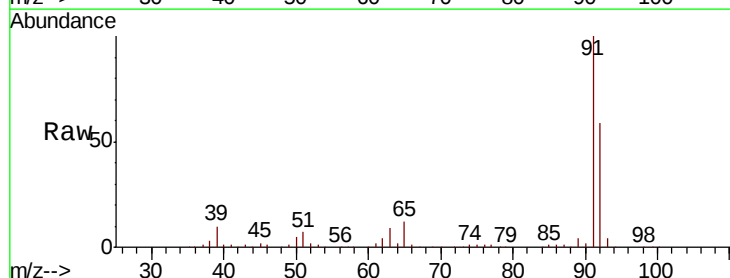
Instrument :
MSVOA_V
ClientSampled :
BFB62

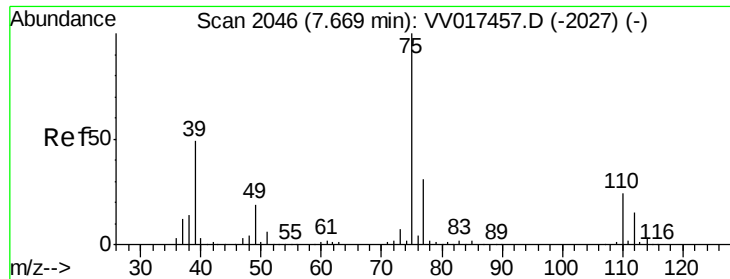
Tot Ion: 43 Resp: 347205
Ion Ratio Lower Upper
43 100
58 39.0 32.2 48.4
100 16.9 14.1 21.1



#42
Toluene
Concen: 49.126 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Tgt Ion: 91 Resp: 506275
Ion Ratio Lower Upper
91 100
92 58.7 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 51.257 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

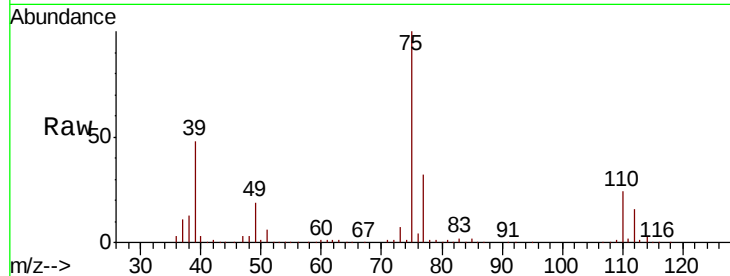
BFB62

Tot Ion: 75 Resp: 203743

Ion Ratio Lower Upper

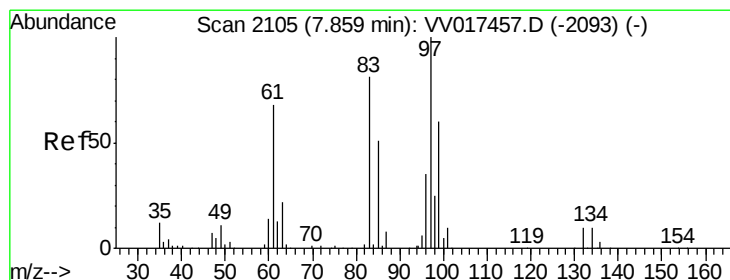
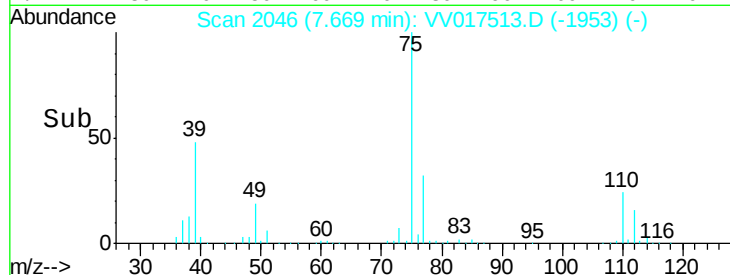
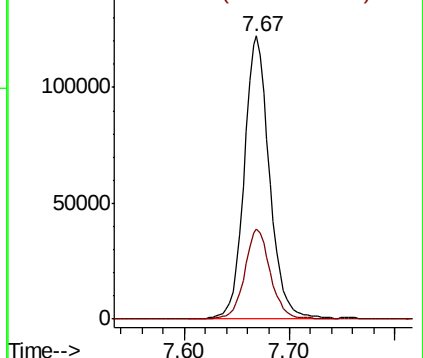
75 100

77 32.0 21.3 39.5



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: 51.663 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Tgt Ion: 97 Resp: 126410

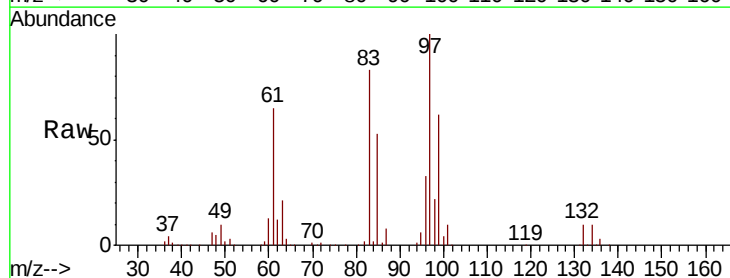
Ion Ratio Lower Upper

97 100

99 62.0 44.6 82.8

83 82.6 60.1 111.7

85 52.5 39.0 72.4

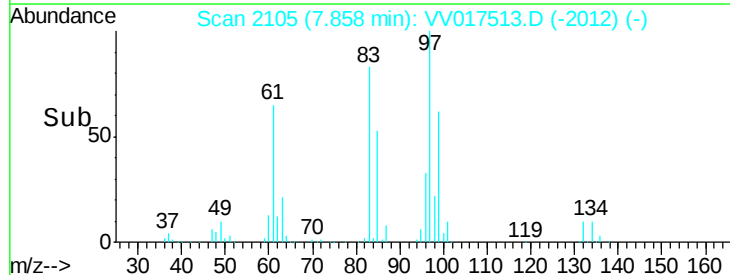
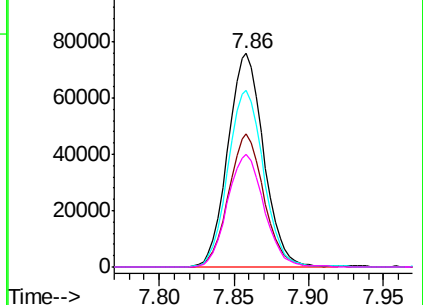


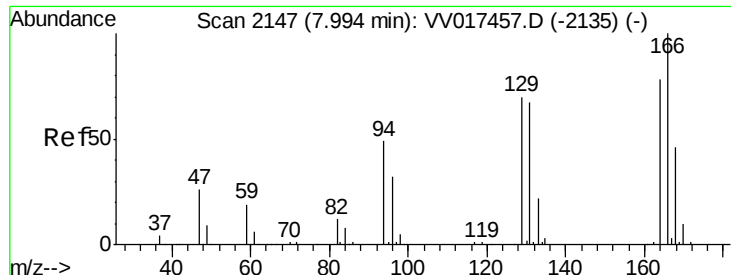
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

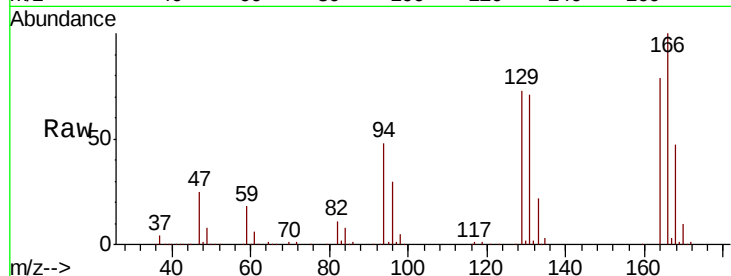




#46
Tetrachloroethene
Concen: 46.271 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tot Ion	Ratio	Lower	Upper
164	100		
129	91.5	66.6	123.8
131	89.8	65.5	121.7
166	125.9	93.9	174.5



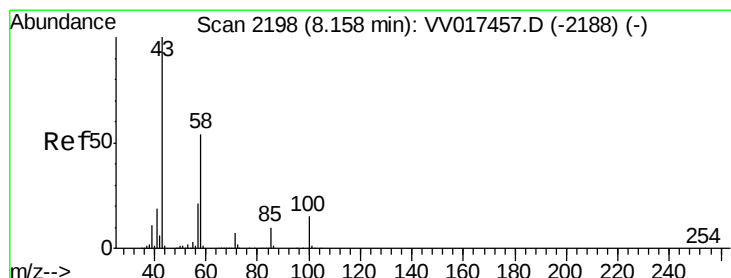
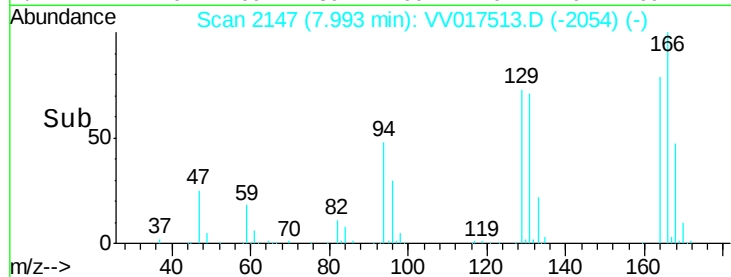
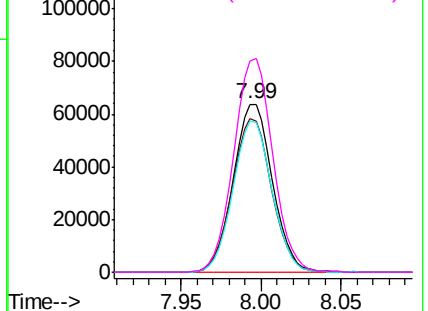
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 104.562 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.5	42.6	64.0
57	20.7	16.2	24.4
100	13.5	10.9	16.3

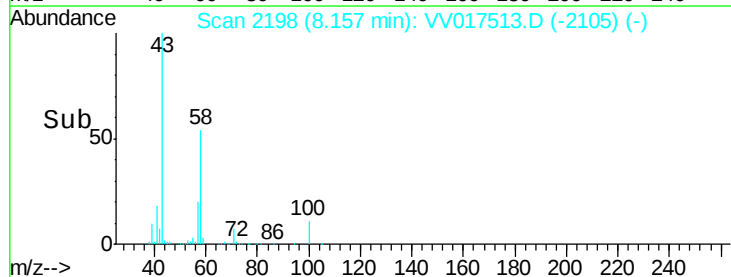
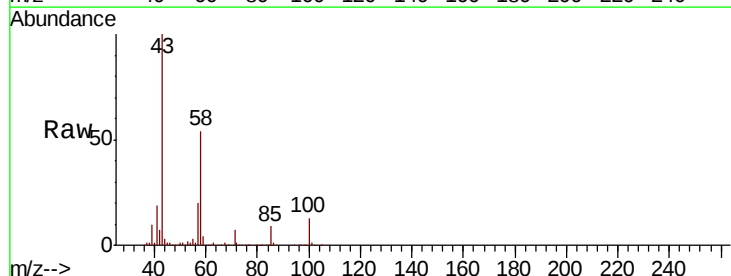
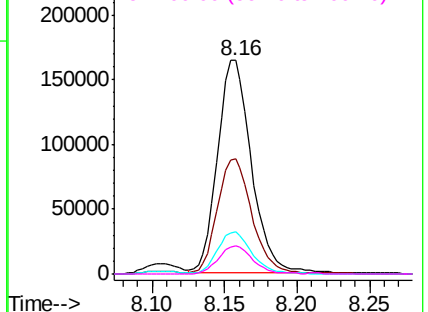
Abundance

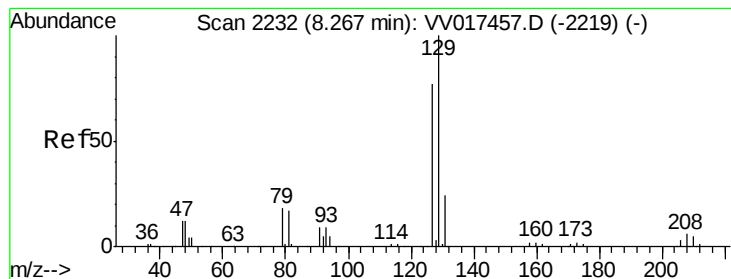
Ion 43.00 (42.70 to 43.70): VV0

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: 50.317 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampled :

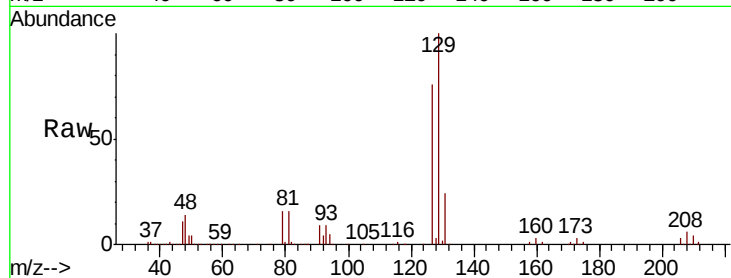
BFB62

Tot Ion:129 Resp: 153588

Ion Ratio Lower Upper

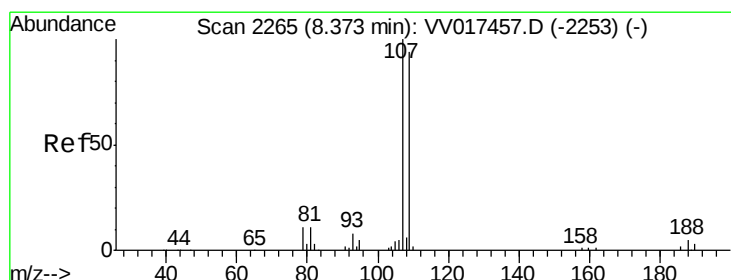
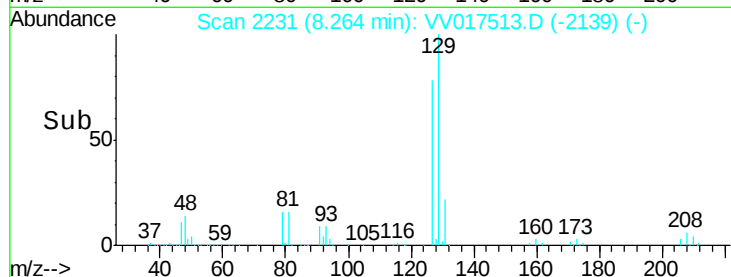
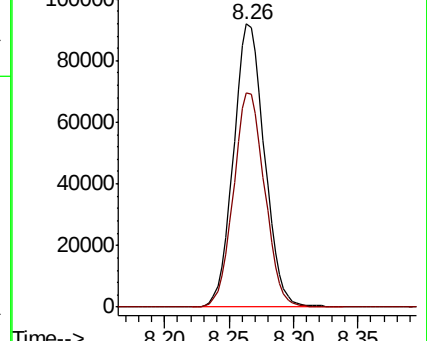
129 100

127 75.9 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 51.568 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

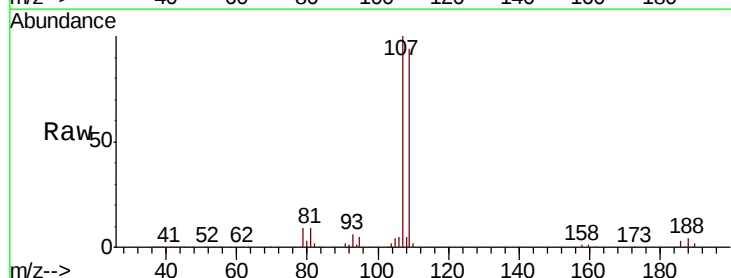
Tgt Ion:107 Resp: 135051

Ion Ratio Lower Upper

107 100

109 93.9 67.3 125.1

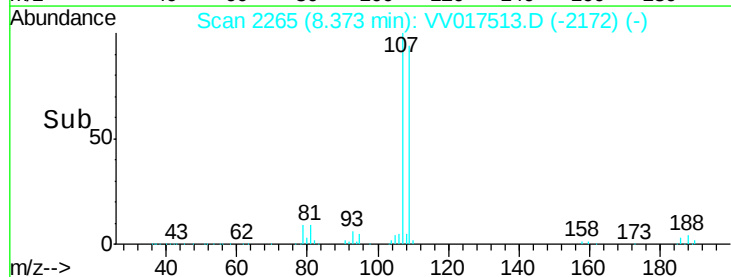
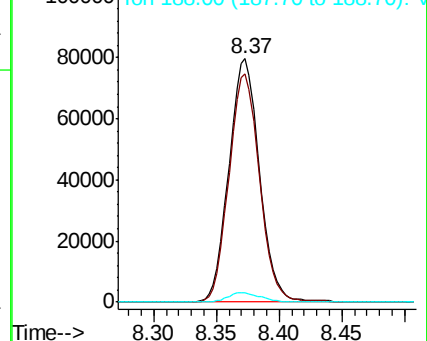
188 3.9 3.5 5.3

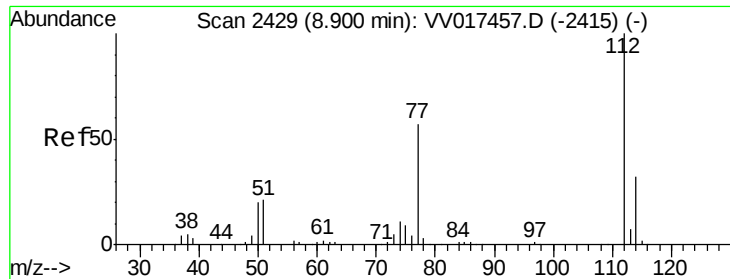


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 48.362 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampled :

BFB62

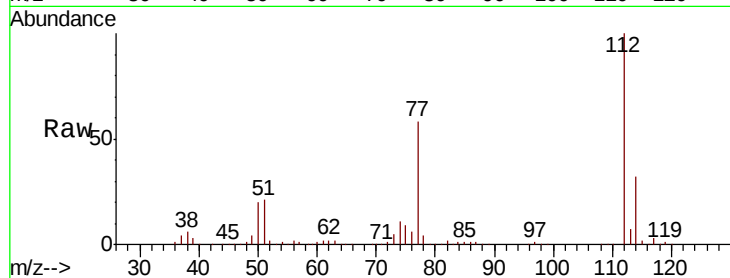
Tot Ion:112 Resp: 337731

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.1

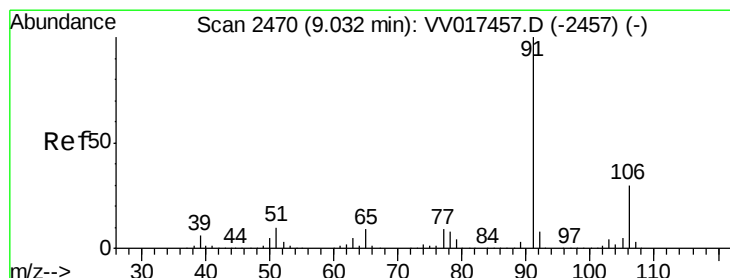
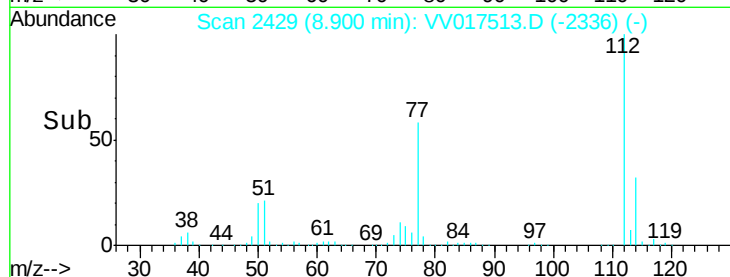
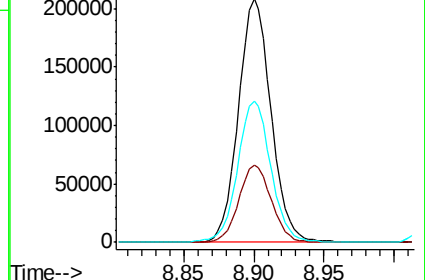
77 58.3 46.7 70.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 47.962 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017513.D

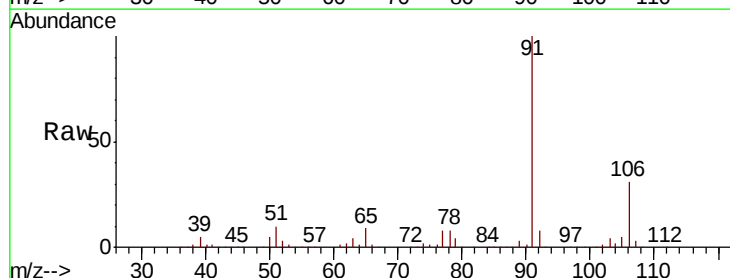
Acq: 17 Jul 2020 09:49

Tgt Ion: 91 Resp: 565363

Ion Ratio Lower Upper

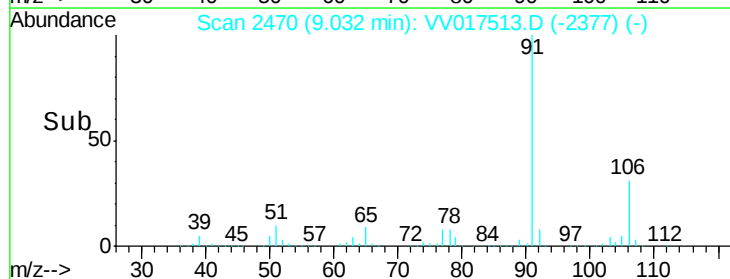
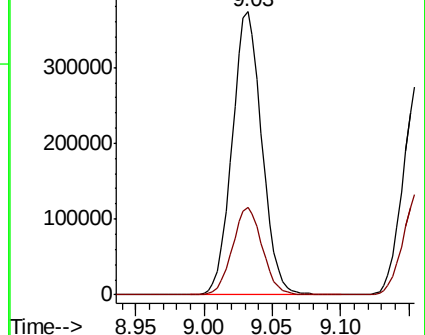
91 100

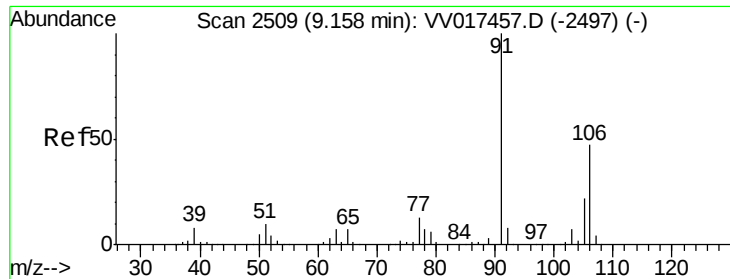
106 30.8 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 49.899 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

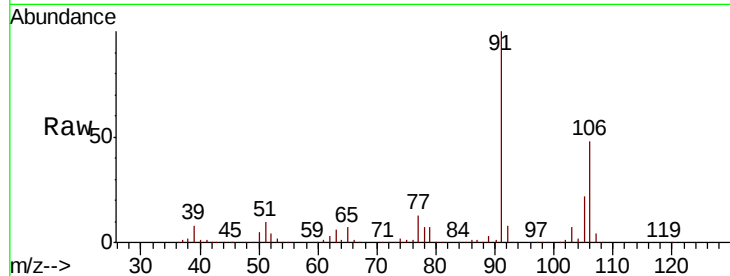
BFB62

Tot Ion:106 Resp: 220208

Ion Ratio Lower Upper

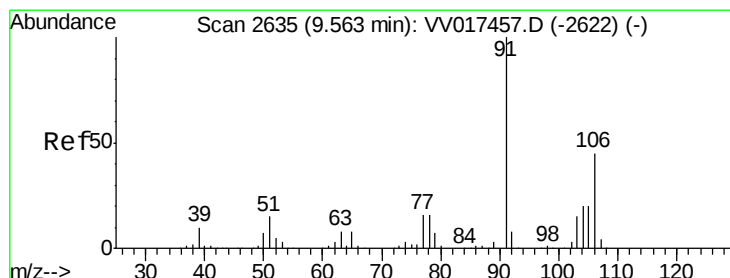
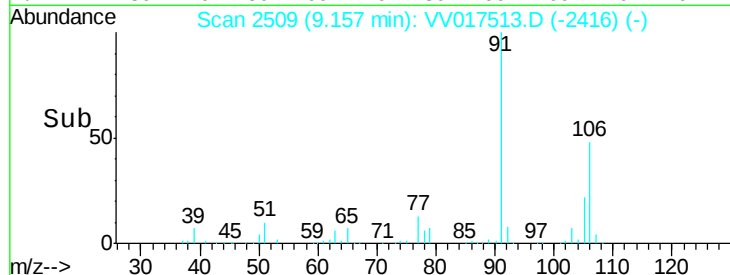
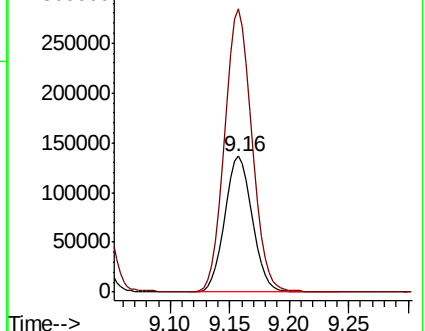
106 100

91 208.5 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 50.338 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017513.D

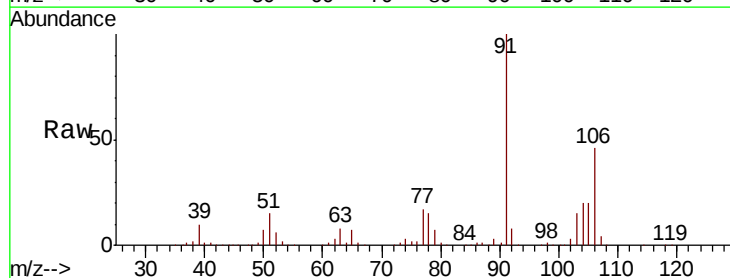
Acq: 17 Jul 2020 09:49

Tgt Ion:106 Resp: 213379

Ion Ratio Lower Upper

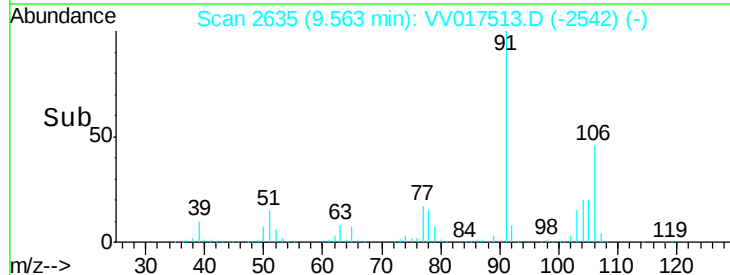
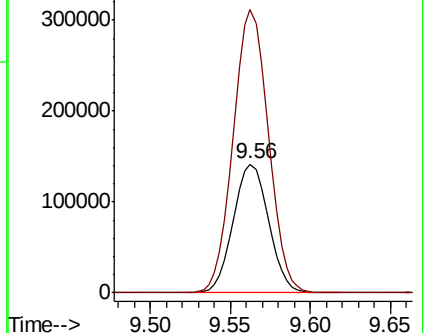
106 100

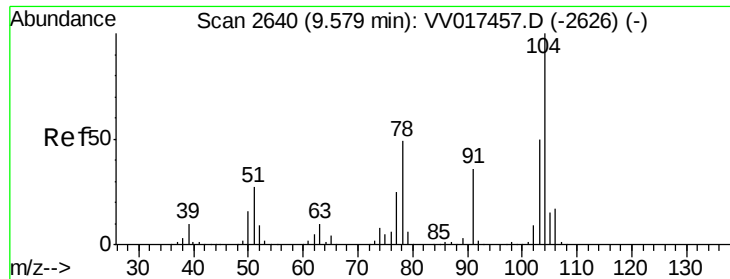
91 219.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 52.016 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampled :

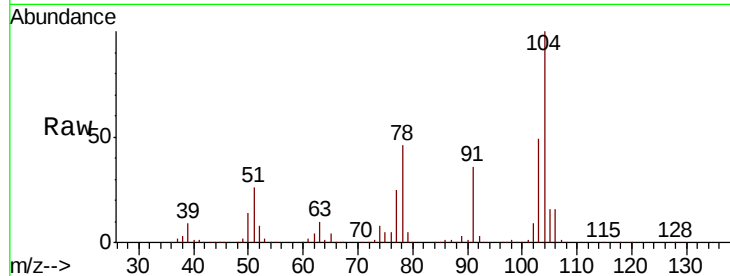
BFB62

Tot Ion:104 Resp: 383000

Ion Ratio Lower Upper

104 100

78 46.1 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

250000

200000

150000

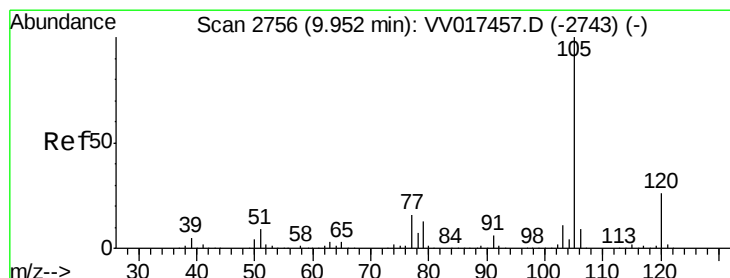
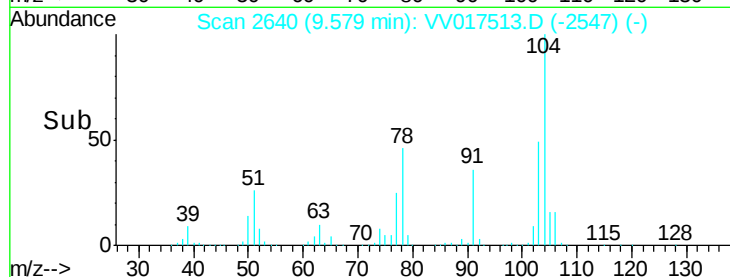
100000

50000

0

9.50 9.55 9.60 9.65

Time-->



#56

Isopropylbenzene

Concen: 48.832 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

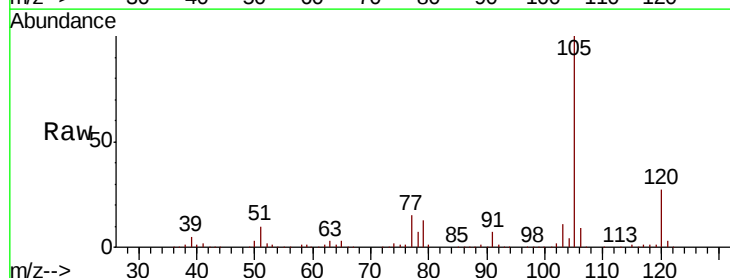
Tgt Ion:105 Resp: 575869

Ion Ratio Lower Upper

105 100

120 27.0 21.1 31.7

77 15.8 13.0 19.6



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): VV0

500000

400000

300000

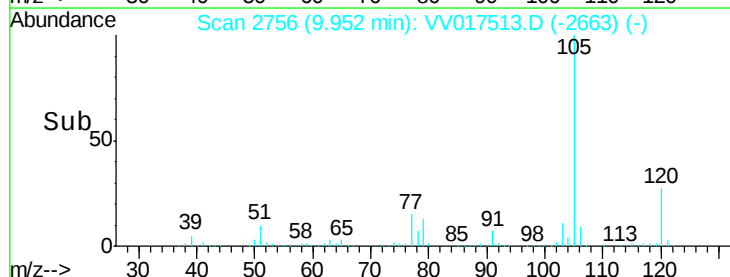
200000

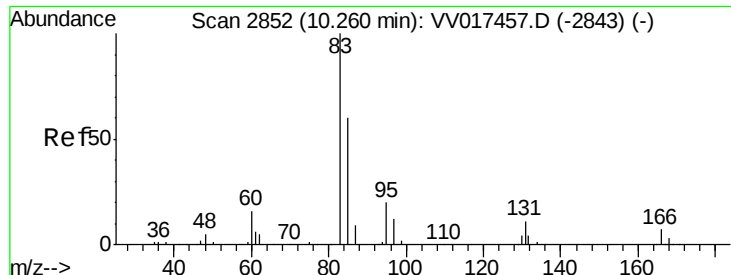
100000

0

9.90 9.95 10.00

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 55.612 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :

MSVOA_V

ClientSampleId :

BFB62

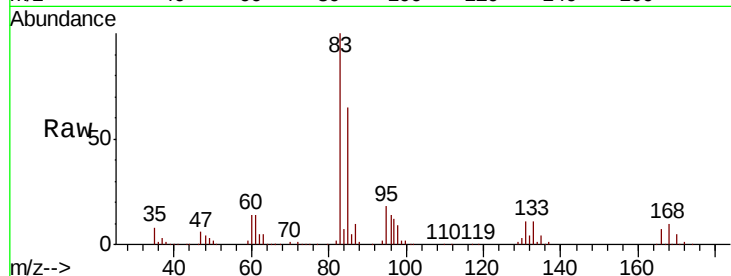
Tot Ion: 83 Resp: 199825

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.5

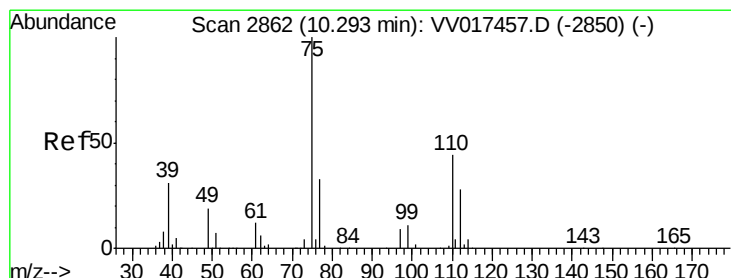
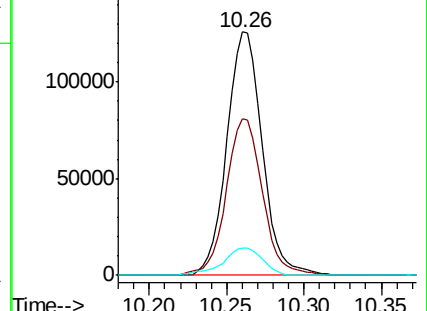
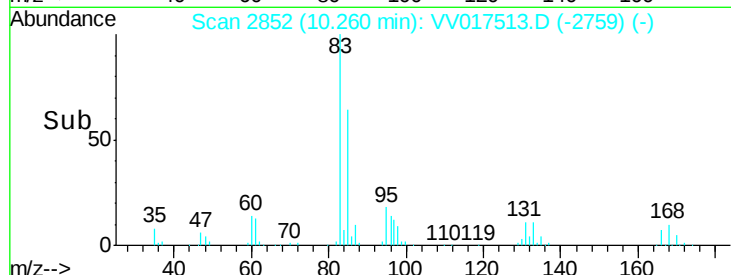
131 11.2 9.4 14.2



Abundance Ion 83.00 (82.70 to 83.70): VV017513.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV017513.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV017513.D (-2759) (-)



#59

1,2,3-Trichloropropane

Concen: 52.273 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV017513.D

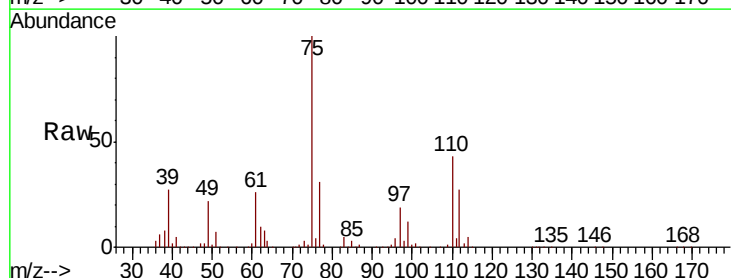
Acq: 17 Jul 2020 09:49

Tgt Ion: 75 Resp: 163351

Ion Ratio Lower Upper

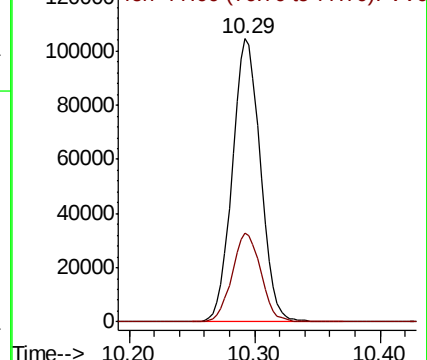
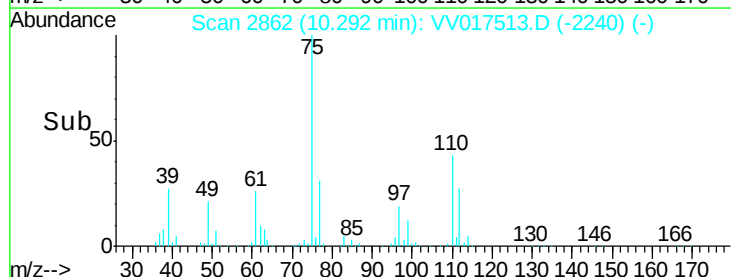
75 100

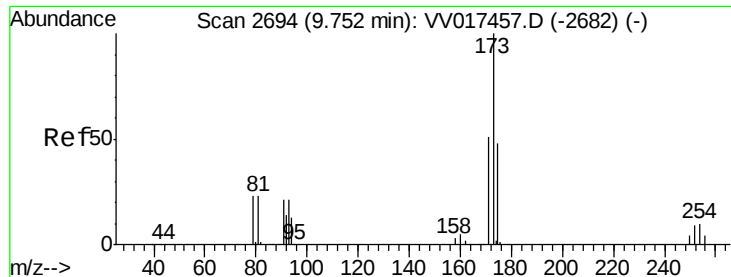
77 31.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VV017513.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV017513.D (-2240) (-)





#61

Bromoform

Concen: 49.924 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

Instrument :
MSVOA_V
ClientSampleId :
BFB62

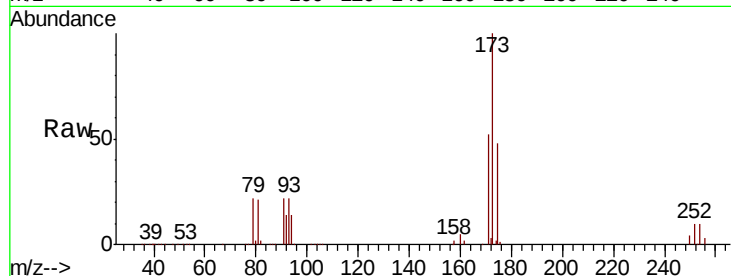
Tot Ion:173 Resp: 115829

Ion Ratio Lower Upper

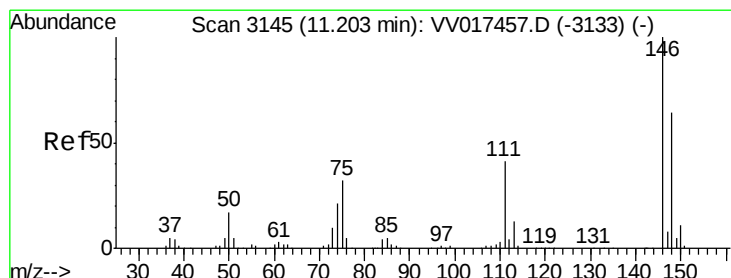
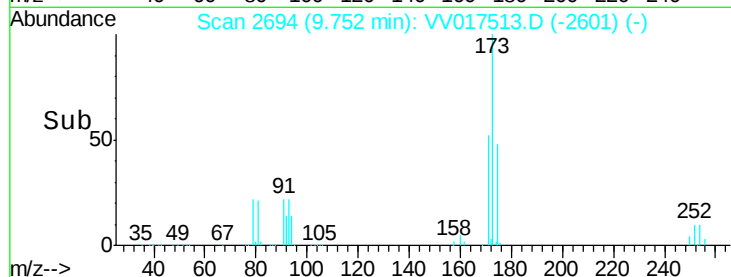
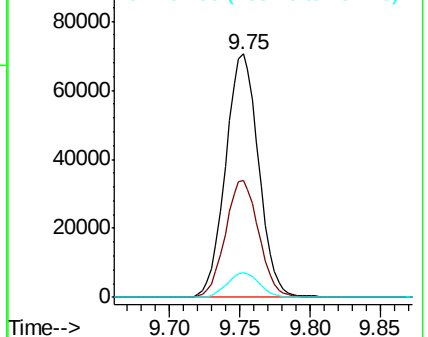
173 100

175 48.2 38.1 57.1

254 9.8 7.4 11.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 48.966 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017513.D

Acq: 17 Jul 2020 09:49

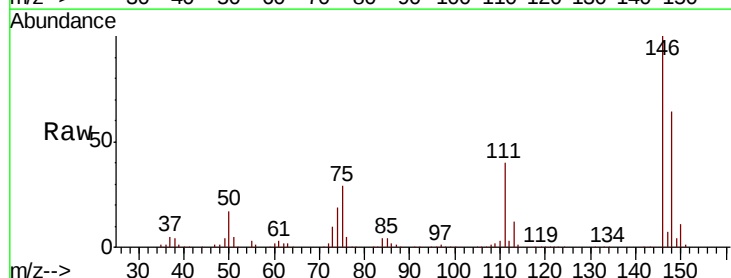
Tgt Ion:146 Resp: 294713

Ion Ratio Lower Upper

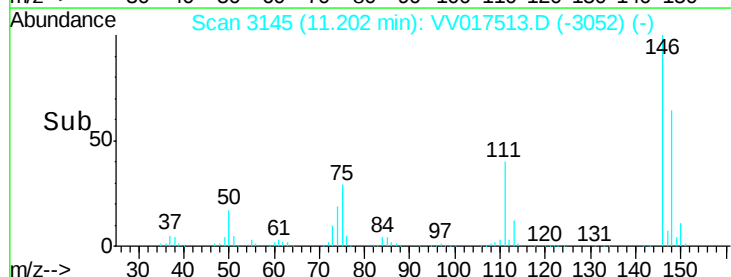
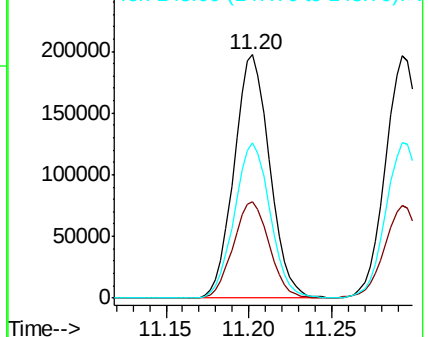
146 100

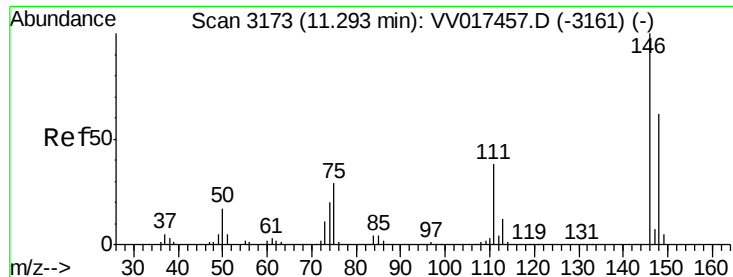
111 39.6 27.2 50.6

148 63.6 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

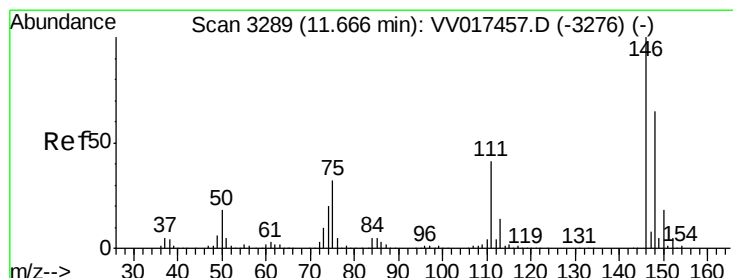
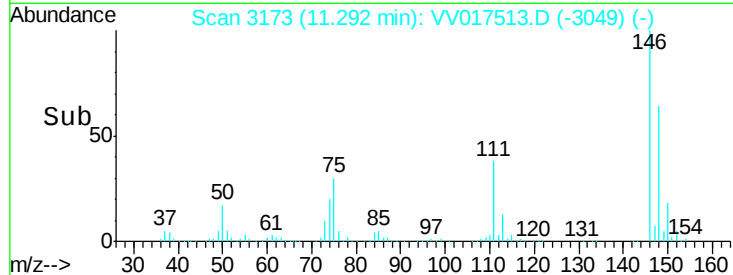
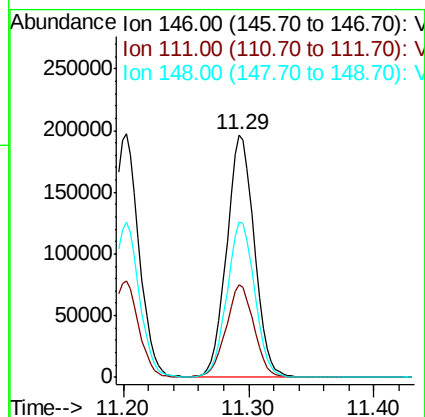
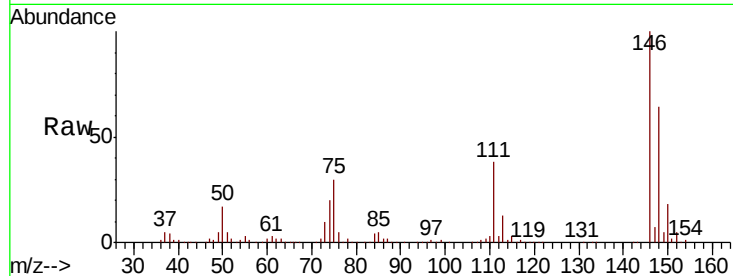




#63
 1,4-Dichlorobenzene
 Concen: 49.019 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

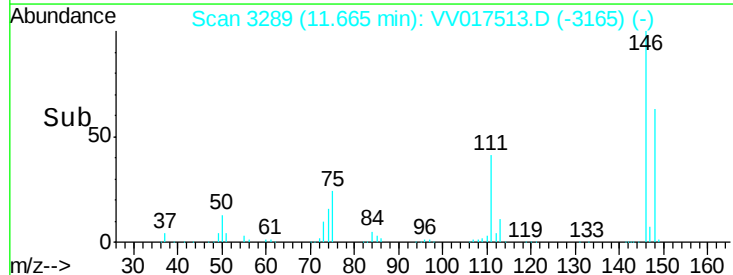
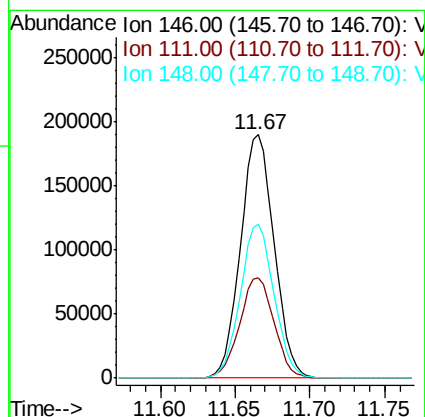
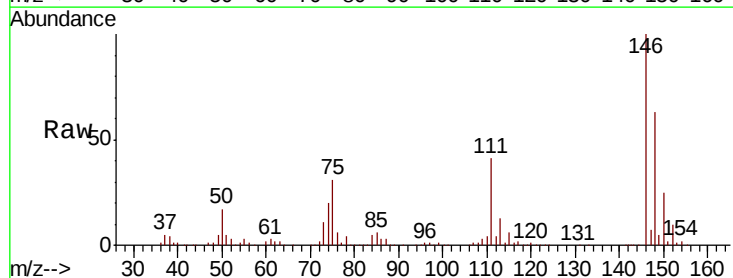
Instrument :
 MSVOA_V
 ClientSampled :
 BFB62

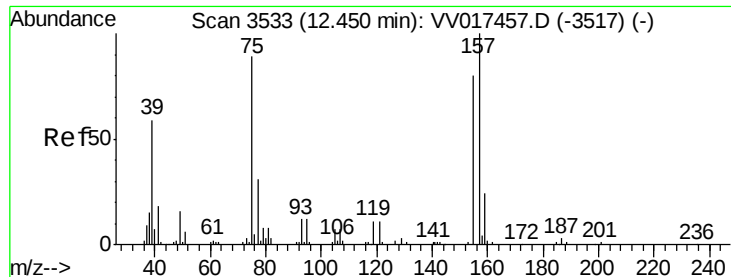
Tot Ion:146 Resp: 299436
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.2 50.4
 148 63.7 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 49.563 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

Tgt Ion:146 Resp: 297372
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.5 50.3
 148 63.4 50.6 76.0

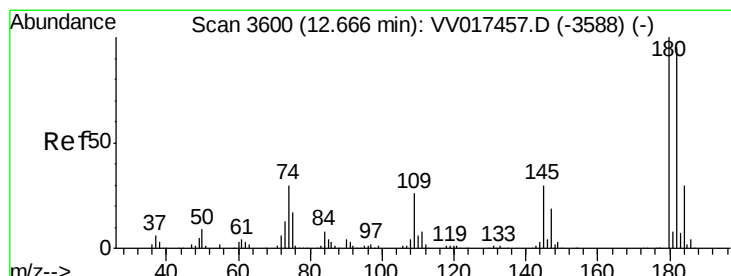
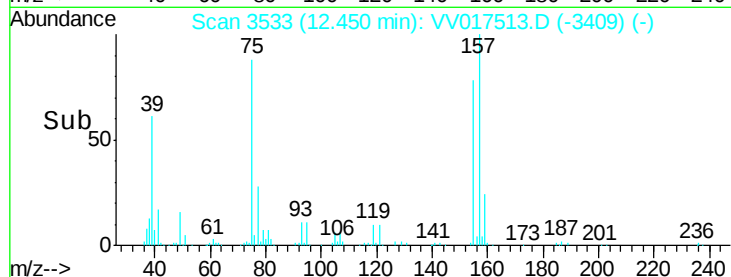
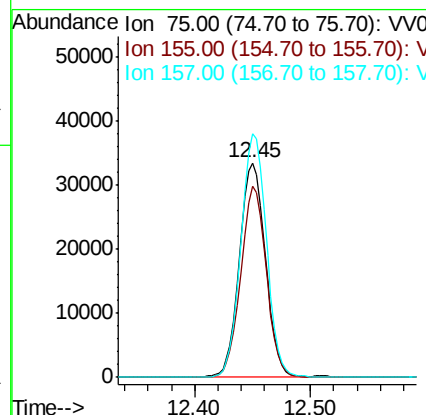
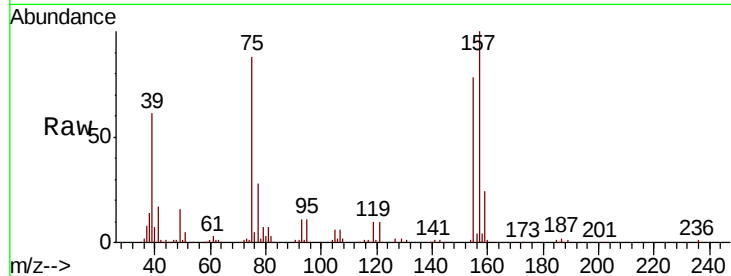




#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.340 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

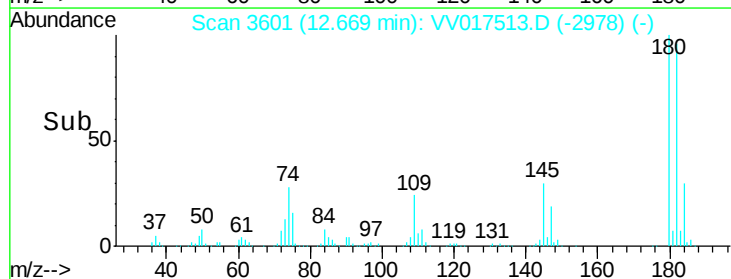
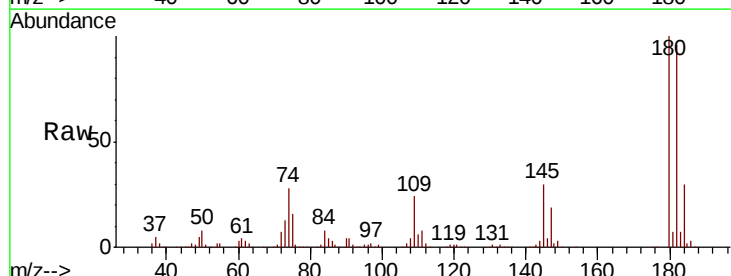
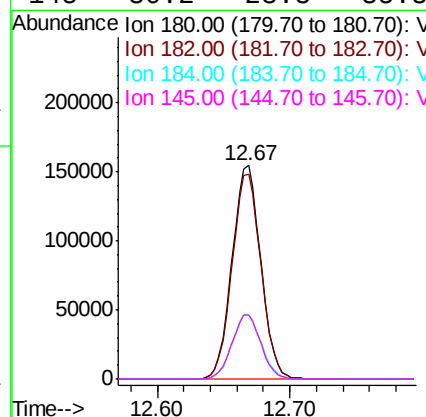
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB62

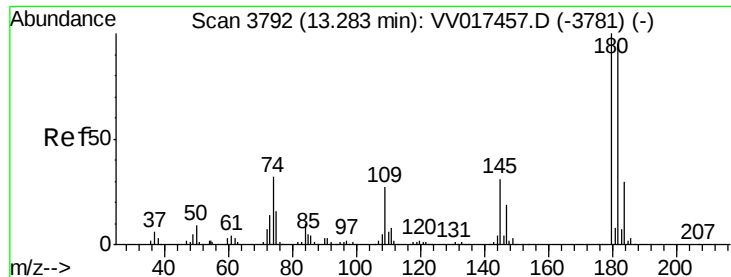
Tot Ion: 75 Resp: 52075
 Ion Ratio Lower Upper
 75 100
 155 89.1 63.4 95.2
 157 113.6 84.5 126.7



#67
 1,3,5-Trichlorobenzene
 Concen: 51.195 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

Tgt Ion: 180 Resp: 232108
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.0 115.4
 184 30.7 24.0 36.0
 145 30.2 23.8 35.8

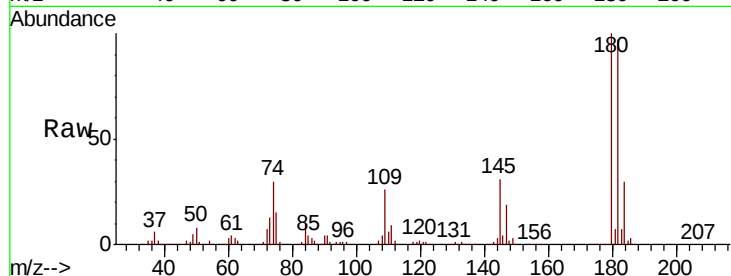




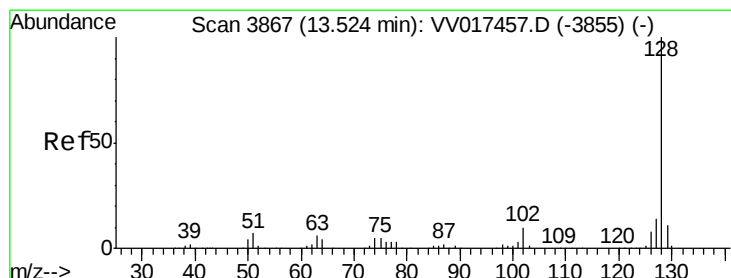
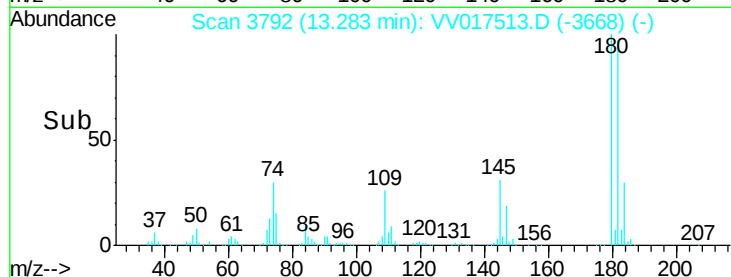
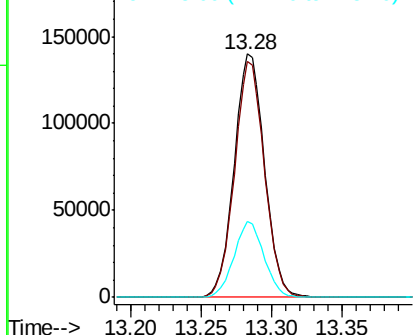
#68
1,2,4-trichlorobenzene
Concen: 53.089 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Instrument :
MSVOA_V
ClientSampleId :
BFB62

Tot Ion:180 Resp: 211067
Ion Ratio Lower Upper
180 100
182 95.2 76.0 114.0
145 30.9 24.6 36.8

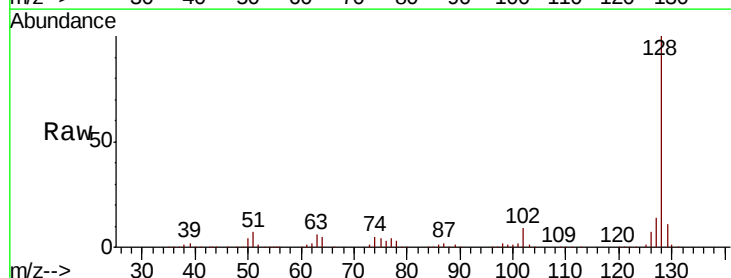


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

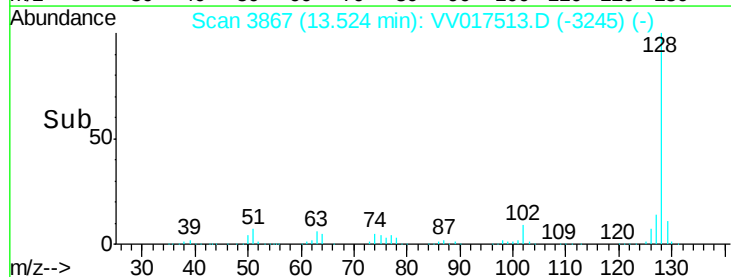
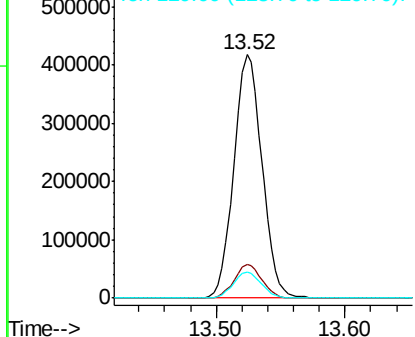


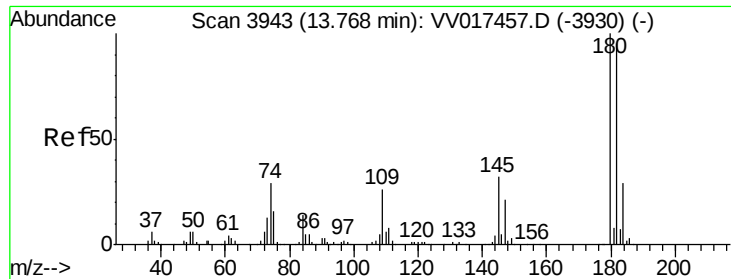
#69
Naphthalene
Concen: 57.068 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV017513.D
Acq: 17 Jul 2020 09:49

Tgt Ion:128 Resp: 633613
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.6 8.6 12.8



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: 53.371 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017513.D
 Acq: 17 Jul 2020 09:49

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB62

Tot Ion:	180	Resp:	215836
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.3	114.5
145	33.3	26.5	39.7

