

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017566.D
 Acq On : 21 Jul 2020 15:48
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Quant Time: Jul 22 03:27:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 03:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327800	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169337	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101297	50.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.28%
7) Chloroethane-d5	1.58	69	68501	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.64%
11) 1,1-Dichloroethene-d2	2.12	63	202944	50.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.82%
21) 2-Butanone-d5	3.91	46	170963	111.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.73%
24) Chloroform-d	4.38	84	237239	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
26) 1,2-Dichloroethane-d4	5.06	65	163155	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.66%
32) Benzene-d6	5.07	84	443421	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
36) 1,2-Dichloropropane-d6	6.09	67	134042	53.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.00%
41) Toluene-d8	7.34	98	416324	52.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.70%
43) trans-1,3-Dichloropropene-	7.64	79	77492	53.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.86%
47) 2-Hexanone-d5	8.11	63	128230	111.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.64%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	193582	54.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	183918	52.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	167877	49.510	ug/L 99
3) Chloromethane	1.25	50	131152	50.782	ug/L 99
5) Vinyl chloride	1.32	62	124636	50.519	ug/L 97
6) Bromomethane	1.53	94	76626	49.590	ug/L 98
8) Chloroethane	1.59	64	61388	48.528	ug/L 98
9) Trichlorofluoromethane	1.76	101	208297	50.954	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98840	48.962	ug/L 99
12) 1,1-Dichloroethene	2.13	96	94677	50.608	ug/L 98
13) Acetone	2.19	43	141833	102.710	ug/L 99
14) Carbon disulfide	2.31	76	341031	50.298	ug/L 99
15) Methyl Acetate	2.44	43	127192	54.032	ug/L 99
16) Methylene chloride	2.52	84	125994	50.906	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	118818	50.747	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	407610	52.086	ug/L 100
19) 1,1-Dichloroethane	3.21	63	218483	51.787	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	132742	52.797	ug/L 99
22) 2-Butanone	3.99	43	188926	110.152	ug/L 97

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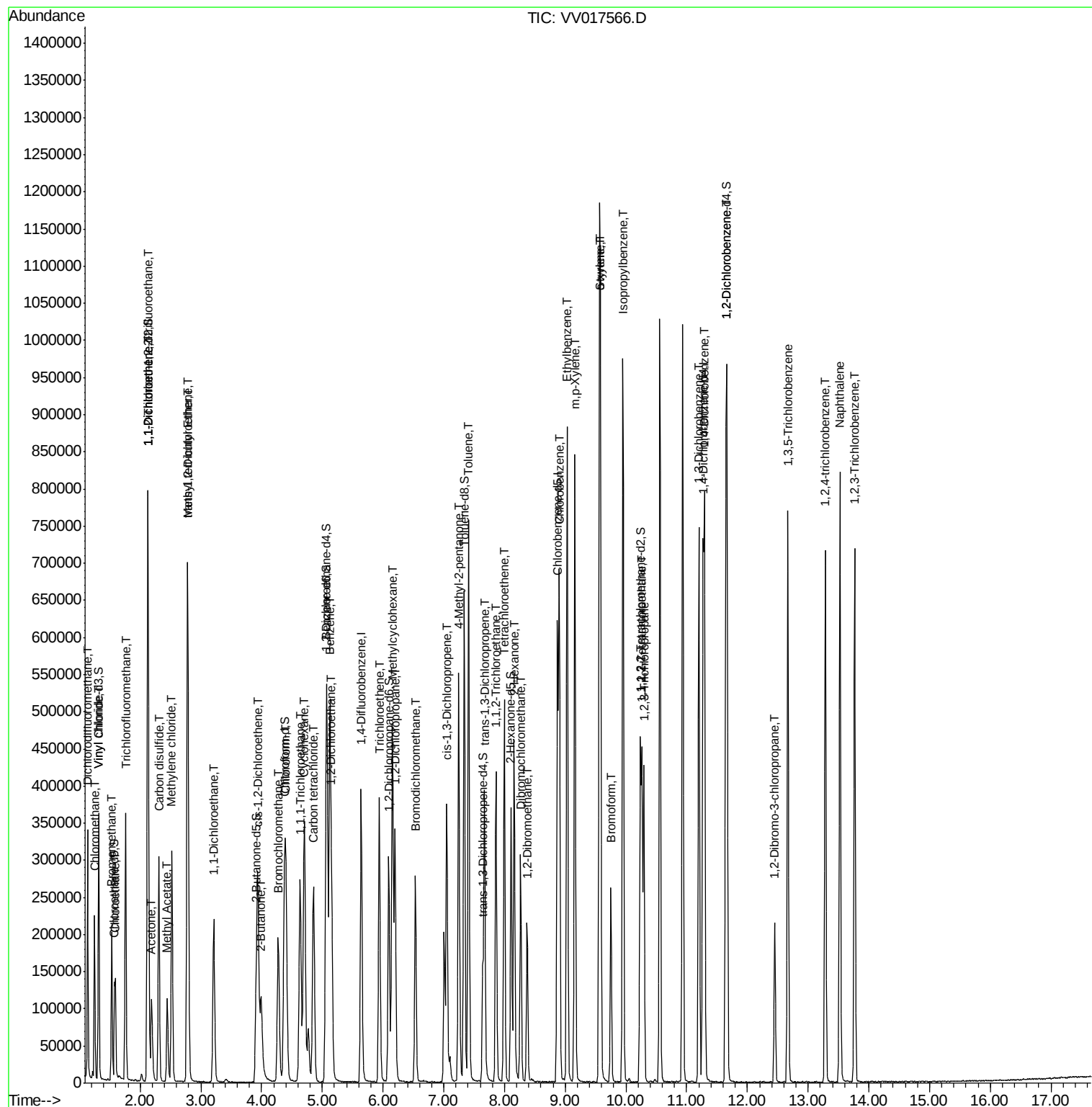
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	70839	51.261	uq/L	97
25) Chloroform	4.40	83	236039	51.906	uq/L	99
27) 1,2-Dichloroethane	5.15	62	200386	51.909	uq/L	100
29) Cyclohexane	4.70	56	192540	50.971	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	219671	50.926	uq/L	98
31) Carbon tetrachloride	4.86	117	198792	51.027	uq/L	99
33) Benzene	5.13	78	481080	52.360	uq/L	100
34) Trichloroethene	5.94	95	130210	51.459	uq/L	99
35) Methylcyclohexane	6.15	83	198462	50.202	uq/L	97
37) 1,2-Dichloropropane	6.20	63	121207	51.579	uq/L	99
38) Bromodichloromethane	6.53	83	181731	52.488	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	208513	52.973	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	346808	106.710	uq/L	99
42) Toluene	7.41	91	525910	52.092	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	210559	53.608	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	125205	52.812	uq/L	98
46) Tetrachloroethene	8.00	164	112135	52.119	uq/L	99
48) 2-Hexanone	8.16	43	287204	110.958	uq/L	98
49) Dibromochloromethane	8.27	129	152913	52.898	uq/L	100
50) 1,2-Dibromoethane	8.37	107	135658	52.617	uq/L	99
51) Chlorobenzene	8.90	112	349005	52.090	uq/L	100
52) Ethylbenzene	9.03	91	595067	52.661	uq/L	99
53) m,p-Xylene	9.16	106	226717	52.366	uq/L	99
54) o-xylene	9.56	106	221042	52.562	uq/L	98
55) Styrene	9.58	104	387047	54.099	uq/L	97
56) Isopropylbenzene	9.95	105	603159	52.910	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	194136	51.910	uq/L	97
59) 1,2,3-Trichloropropane	10.30	75	159931	51.732	uq/L	100
61) Bromoform	9.75	173	116439	52.657	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	294971	51.879	uq/L	99
63) 1,4-Dichlorobenzene	11.30	146	296620	51.111	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	296962	51.517	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	51929	54.427	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	231429	51.558	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	213020	53.507	uq/L	100
69) Naphthalene	13.52	128	620540	55.676	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	211487	53.107	uq/L	99

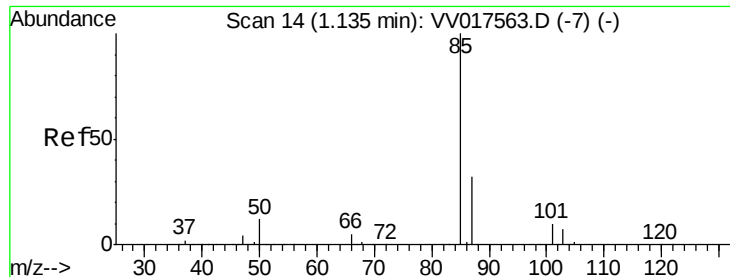
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.510 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

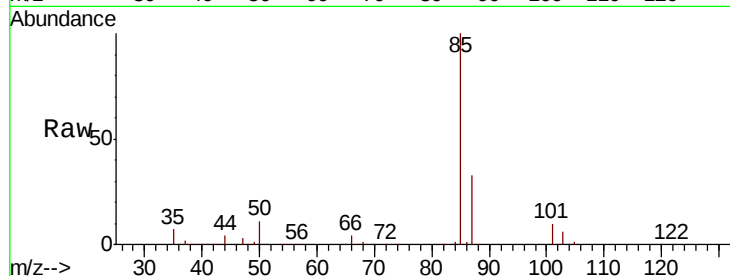
VICV65

Tot Ion: 85 Resp: 167877

Ion Ratio Lower Upper

85 100

87 33.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV017566.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017566.D (-1) (-)

1.14

200000

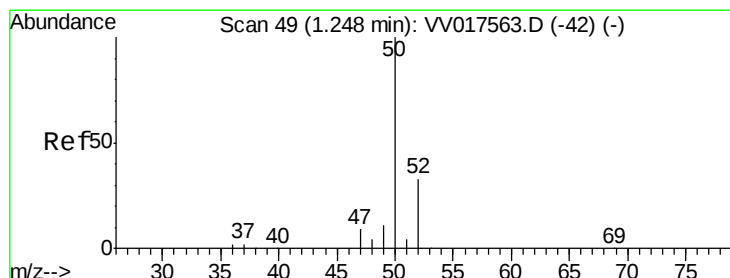
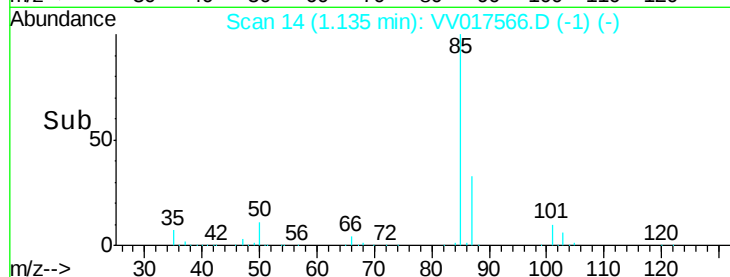
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.782 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017566.D

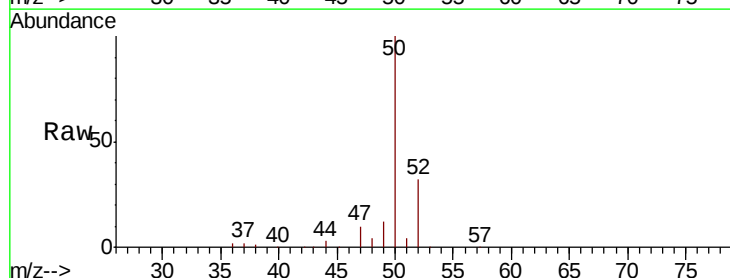
Acq: 21 Jul 2020 15:48

Tgt Ion: 50 Resp: 131152

Ion Ratio Lower Upper

50 100

52 32.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017566.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV017566.D (-1) (-)

1.25

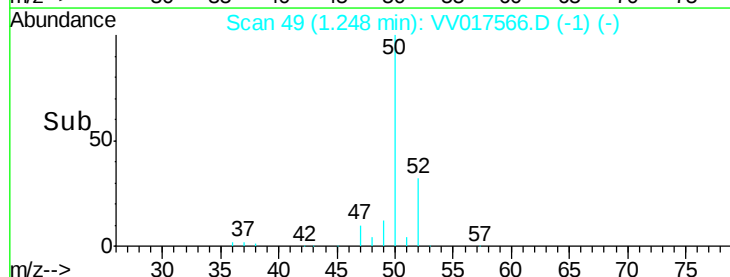
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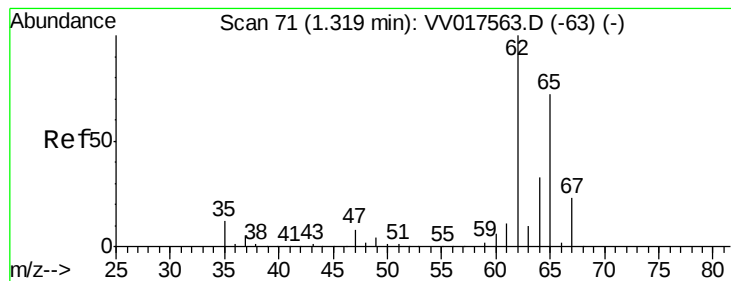
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 50.519 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

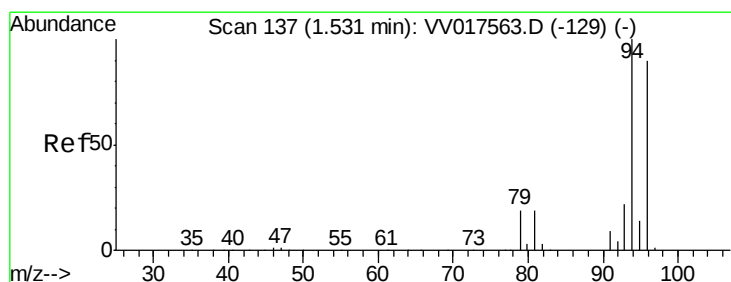
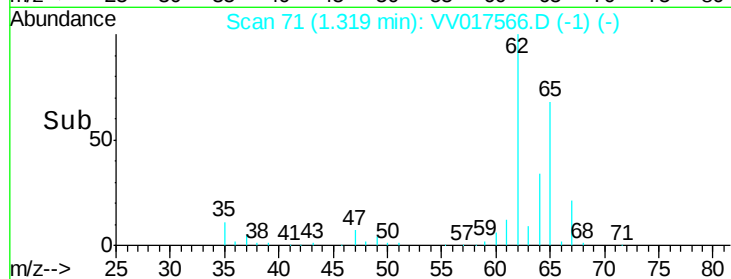
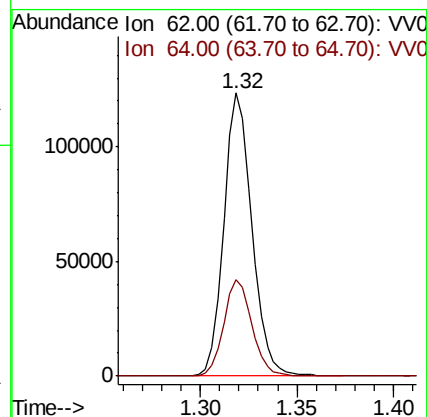
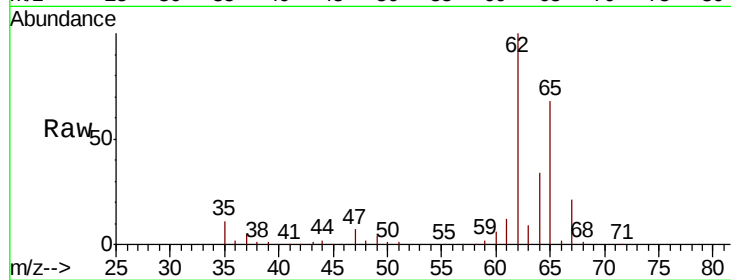
VICV65

Tot Ion: 62 Resp: 124636

Ion Ratio Lower Upper

62 100

64 34.1 22.8 42.4



#6

Bromomethane

Concen: 49.590 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017566.D

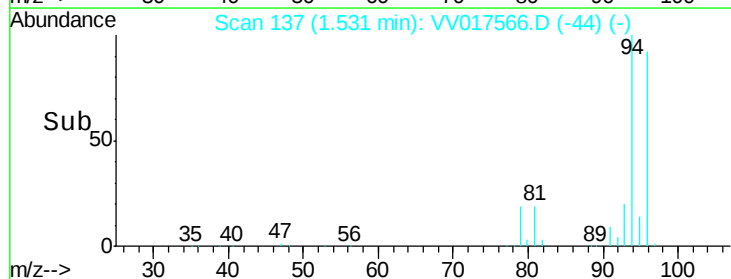
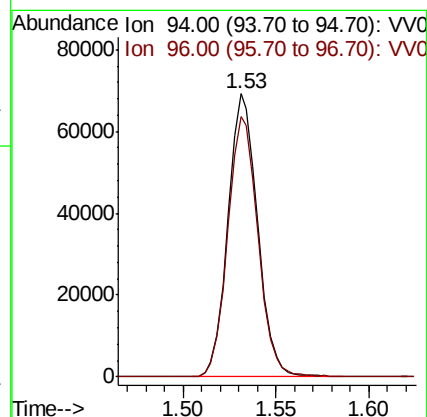
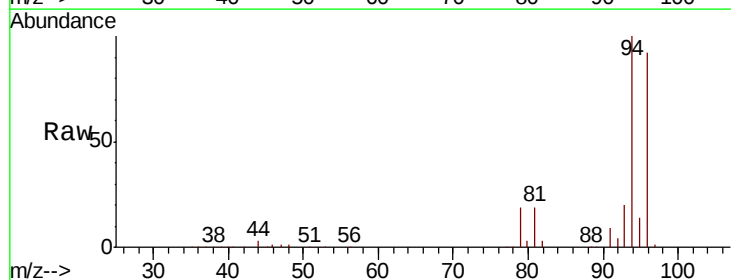
Acq: 21 Jul 2020 15:48

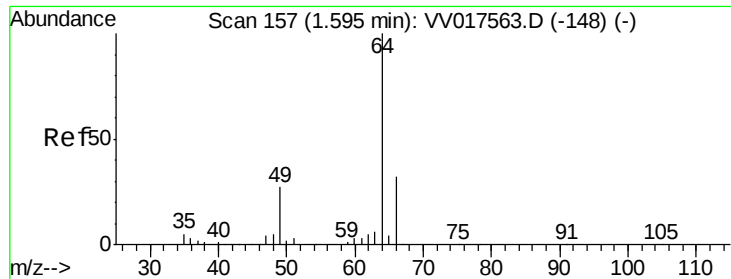
Tgt Ion: 94 Resp: 76626

Ion Ratio Lower Upper

94 100

96 92.1 63.3 117.7





#8

Chloroethane

Concen: 48.528 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

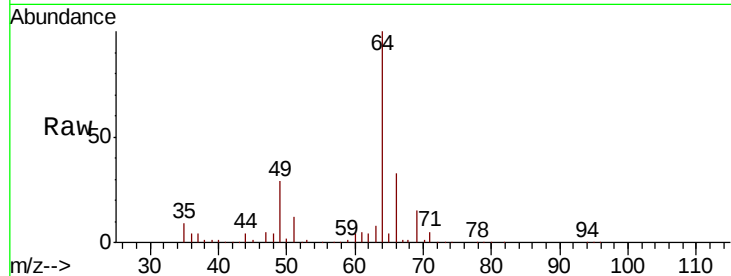
VICV65

Tot Ion: 64 Resp: 61388

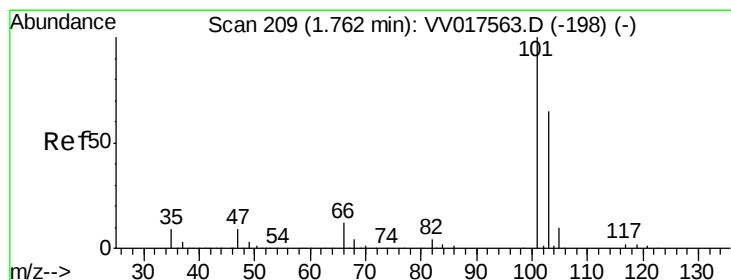
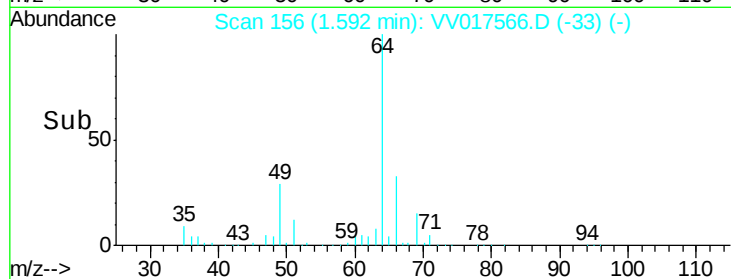
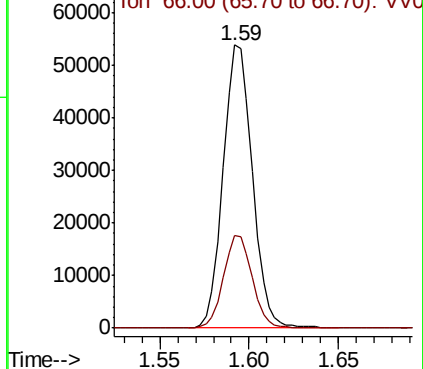
Ion Ratio Lower Upper

64 100

66 32.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VV017563.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 50.954 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV017566.D

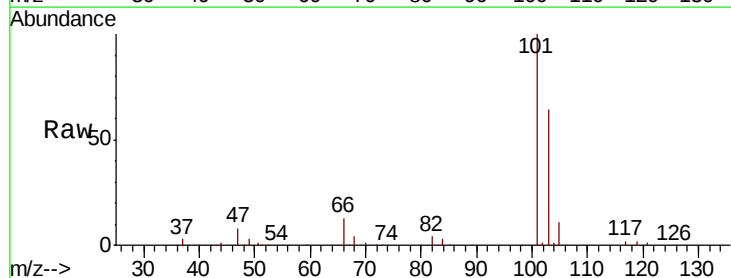
Acq: 21 Jul 2020 15:48

Tgt Ion:101 Resp: 208297

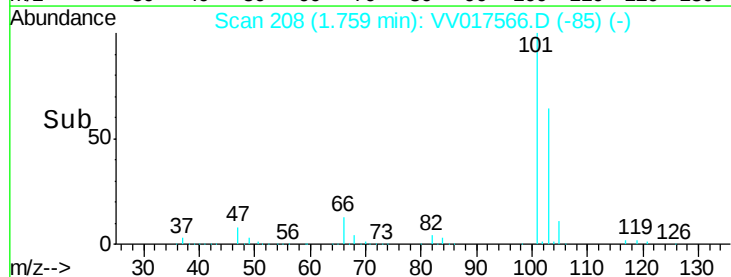
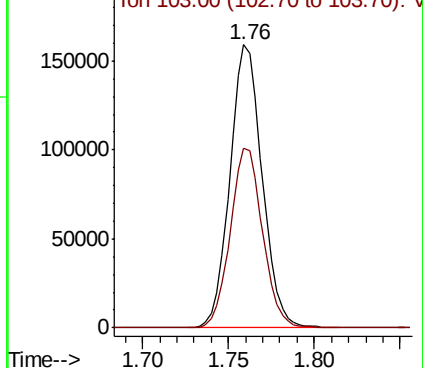
Ion Ratio Lower Upper

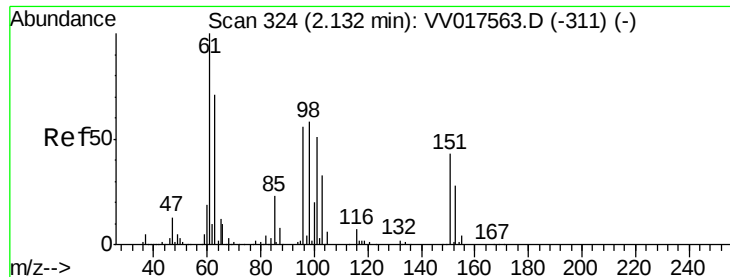
101 100

103 63.8 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV017563.D (-198) (-)





#10

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

Concen: 48.962 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

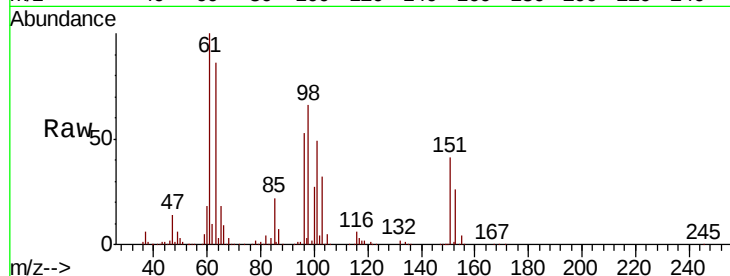
MSVOA_V

ClientSampleId :

VICV65

Tot Ion:101 Resp: 98840

Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.1	52.7
151	82.9	67.0	100.4

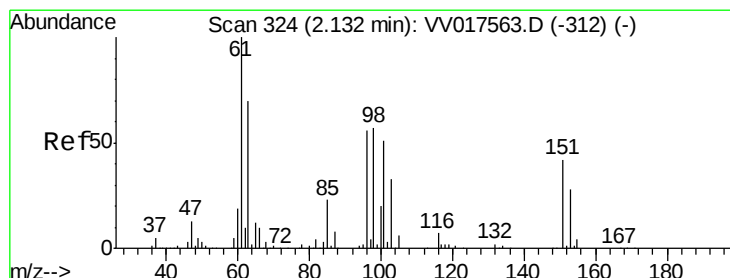
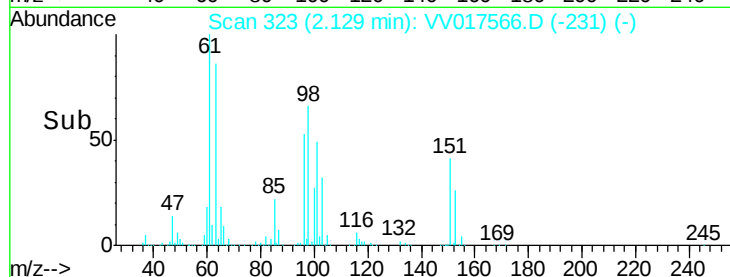
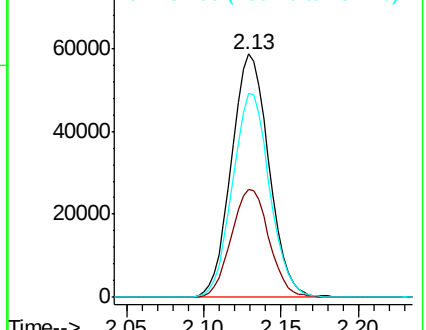


Abundance

Ion 101.00 (100.70 to 101.70): VV017566.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017566.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017566.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 50.608 ug/L

RT: 2.13 min Scan# 324

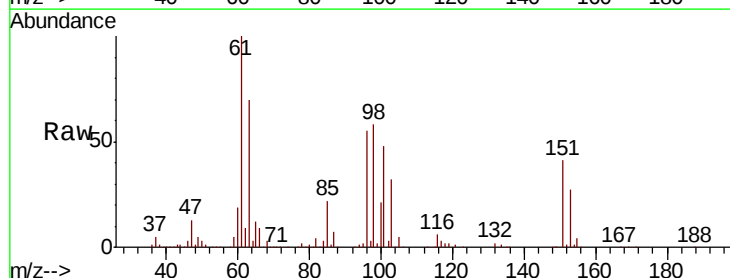
Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Tgt Ion: 96 Resp: 94677

Ion	Ratio	Lower	Upper
96	100		
61	183.1	124.5	231.3
63	127.6	89.0	165.4

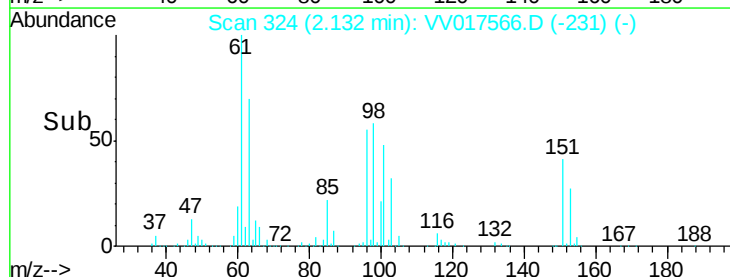
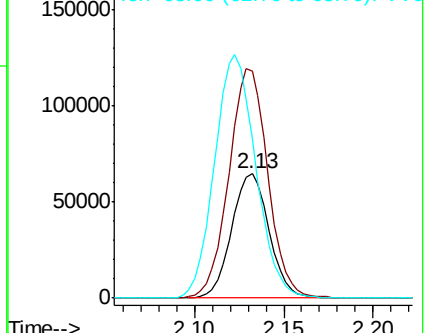


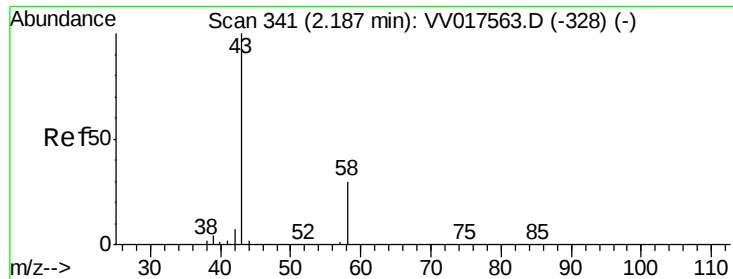
Abundance

Ion 96.00 (95.70 to 96.70): VV017566.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV017566.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017566.D (-231) (-)





#13

Acetone

Concen: 102.710 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

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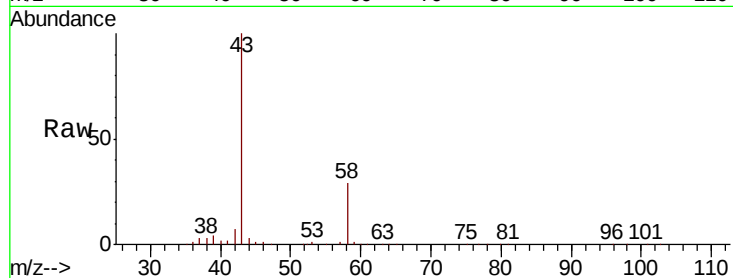
VICV65

Tot Ion: 43 Resp: 141833

Ion Ratio Lower Upper

43 100

58 29.4 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV017566.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV017566.D (-248) (-)

2.19

80000

60000

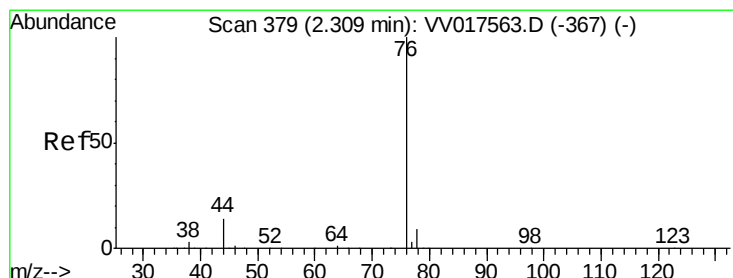
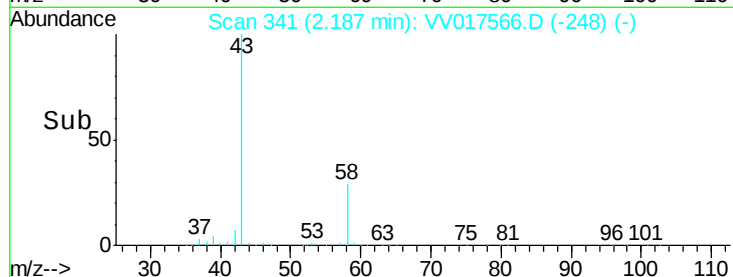
40000

20000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 50.298 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017566.D

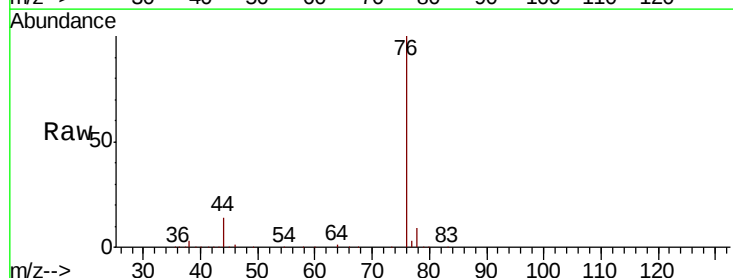
Acq: 21 Jul 2020 15:48

Tgt Ion: 76 Resp: 341031

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV017566.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV017566.D (-286) (-)

2.31

250000

200000

150000

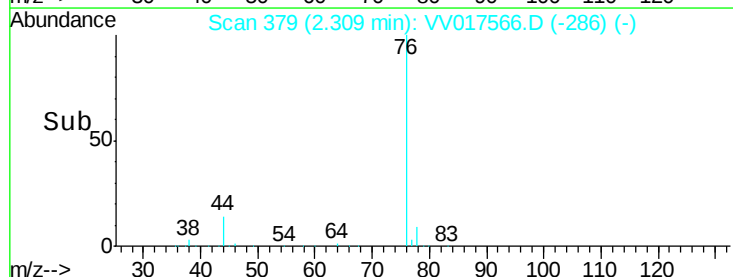
100000

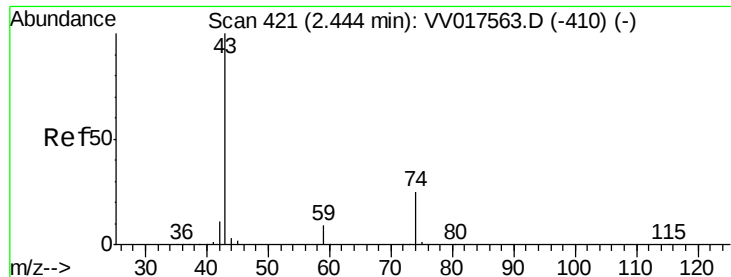
50000

0

Time-->

2.25 2.30 2.35 2.40

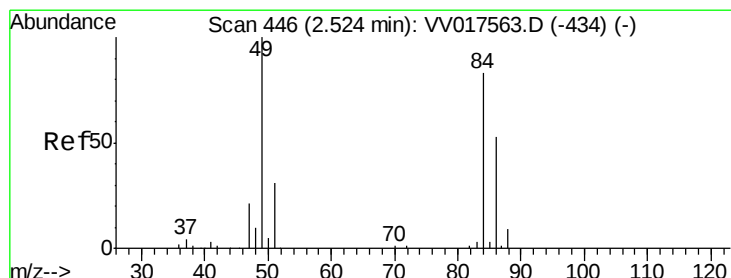
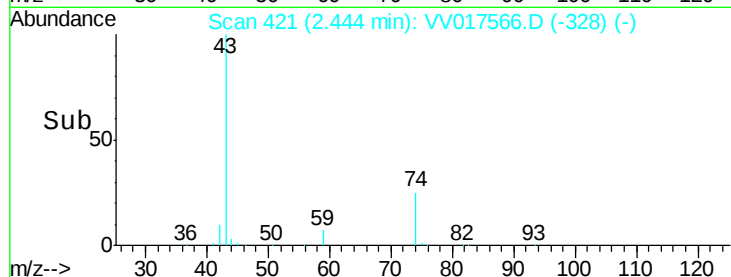
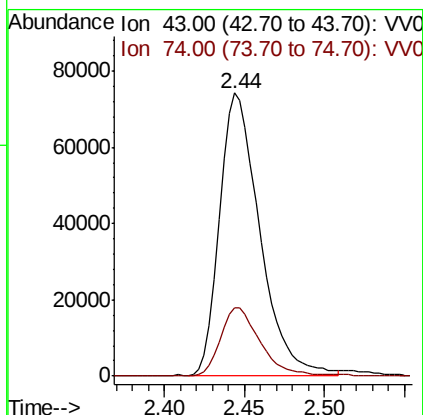
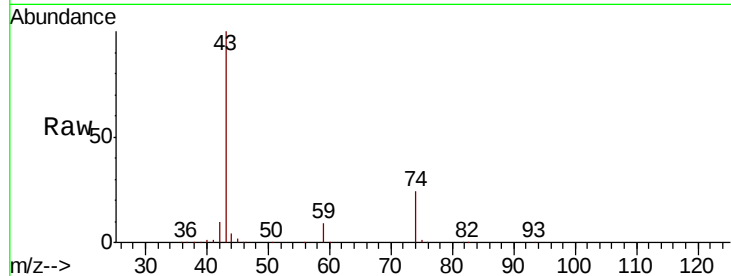




#15
Methvl Acetate
Concen: 54.032 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

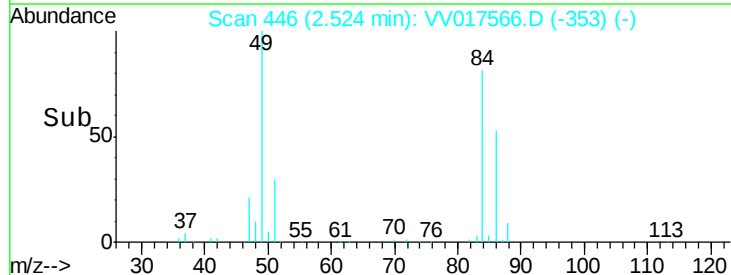
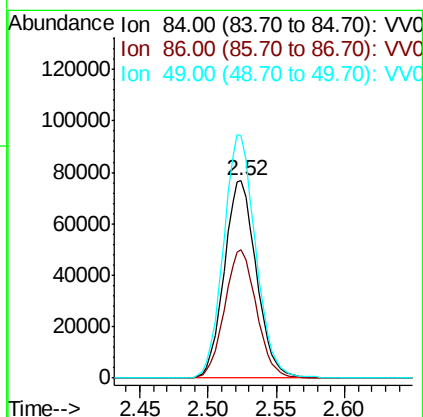
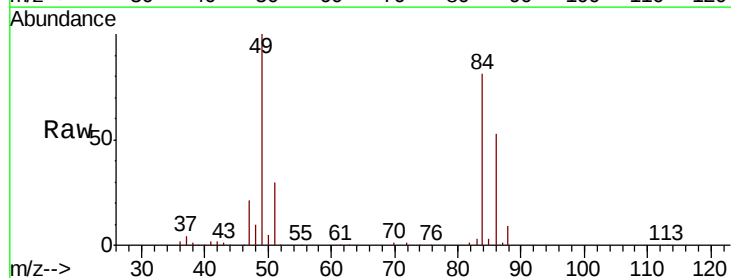
Instrument :
MSVOA_V
ClientSampleId :
VICV65

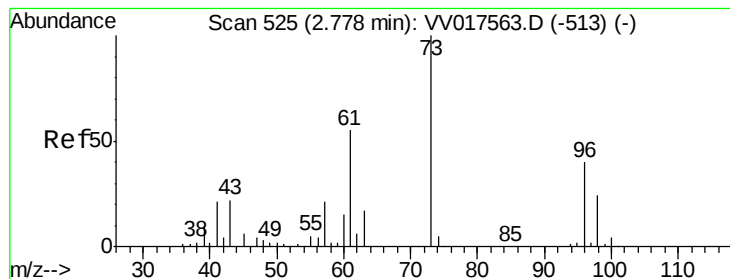
Tot Ion: 43 Resp: 127192
Ion Ratio Lower Upper
43 100
74 24.0 19.5 29.3



#16
Methylene chloride
Concen: 50.906 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

Tgt Ion: 84 Resp: 125994
Ion Ratio Lower Upper
84 100
86 65.1 44.5 82.7
49 122.9 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 50.747 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VICV65

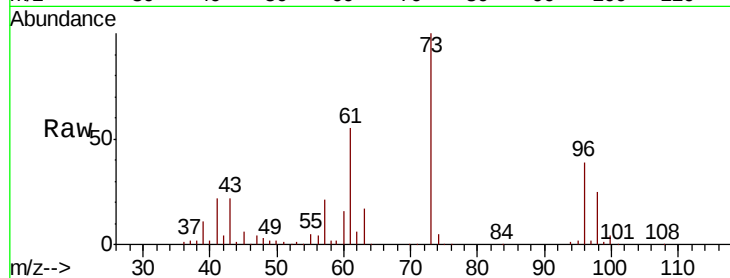
Tot Ion: 96 Resp: 118818

Ion Ratio Lower Upper

96 100

61 140.9 97.0 180.2

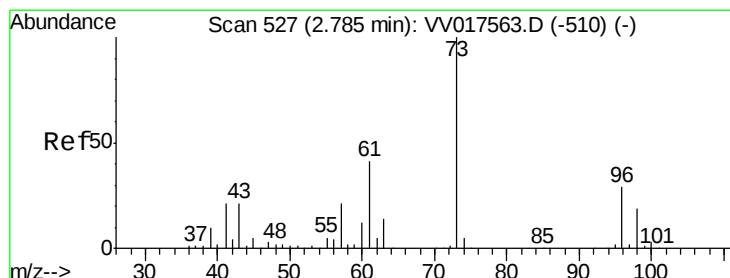
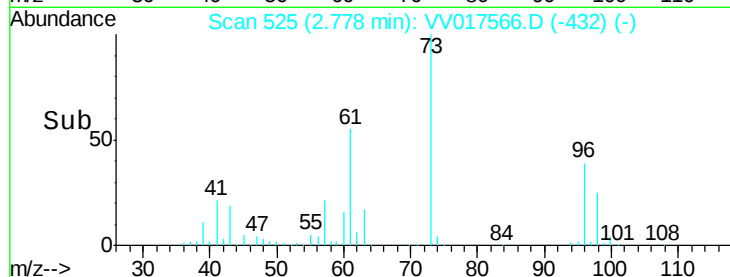
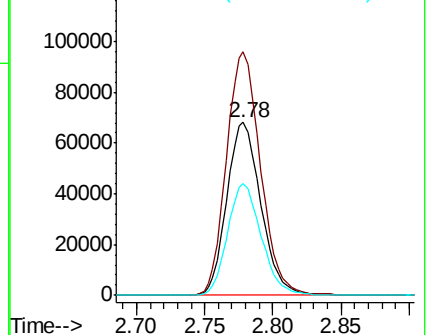
98 64.8 42.6 79.0



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: 52.086 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

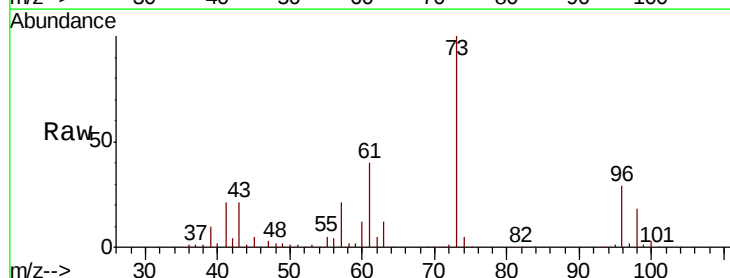
Tgt Ion: 73 Resp: 407610

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

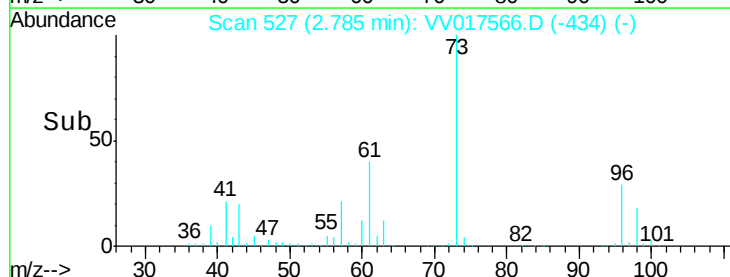
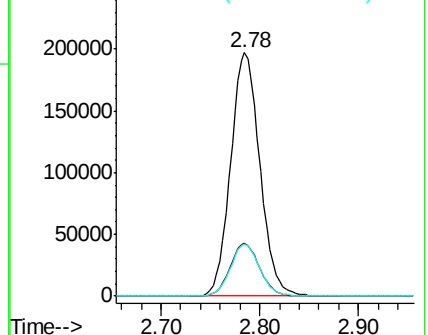
57 21.3 16.8 25.2

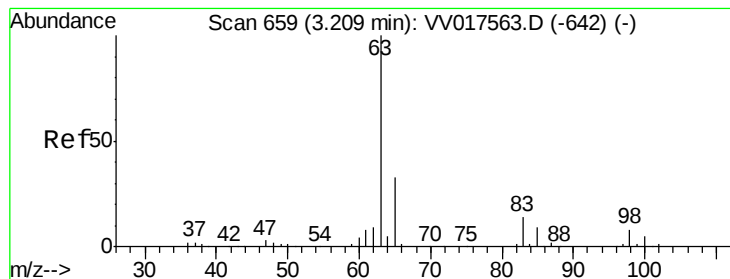


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.787 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VICV65

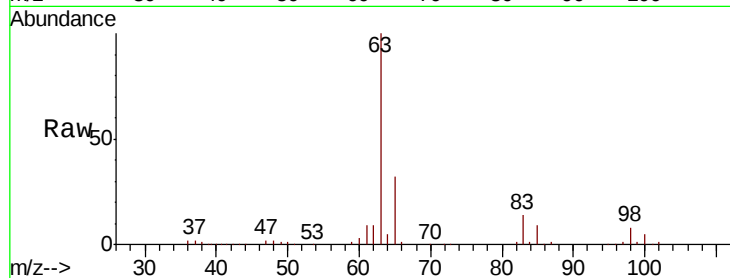
Tot Ion: 63 Resp: 218483

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.8

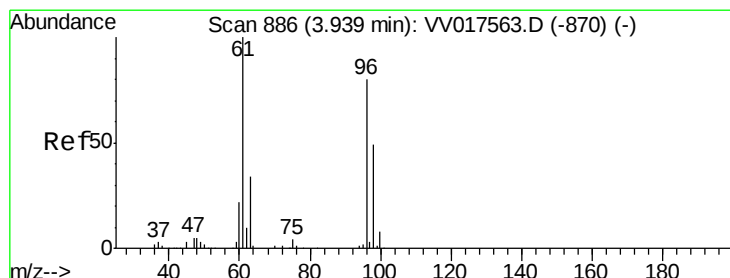
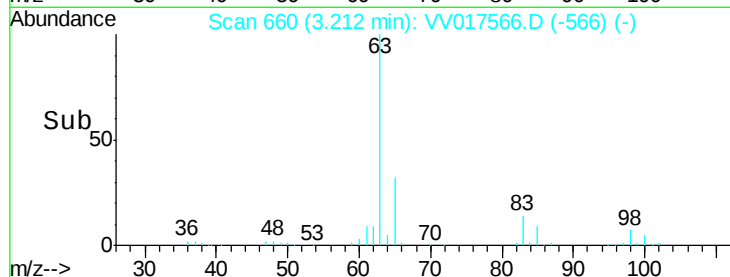
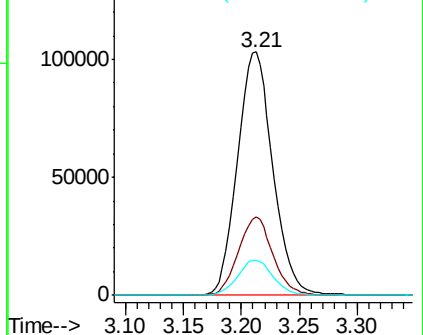
83 14.5 9.9 18.5



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 52.797 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

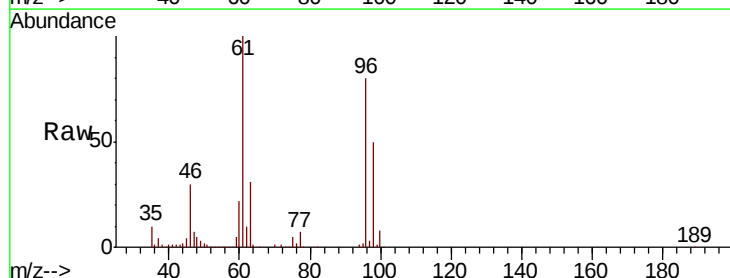
Tgt Ion: 96 Resp: 132742

Ion Ratio Lower Upper

96 100

61 124.8 87.8 163.2

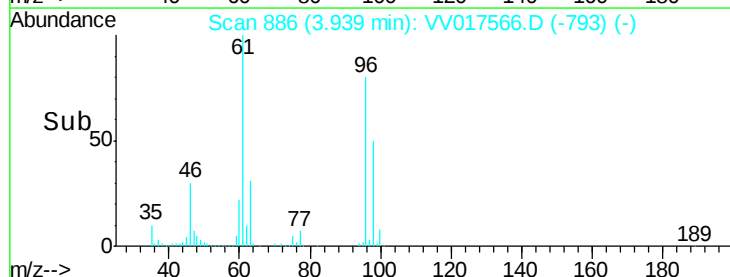
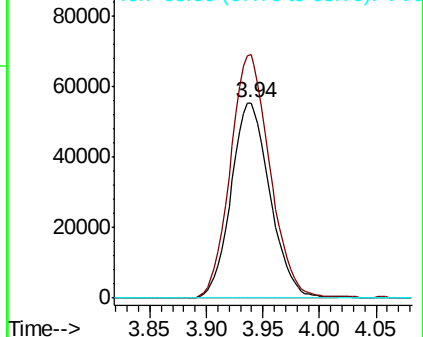
68 0.0 0.0 0.0

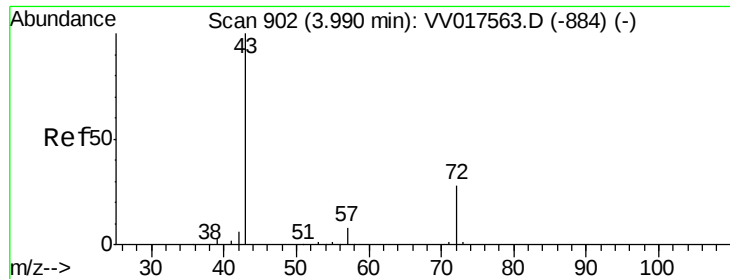


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 110.152 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

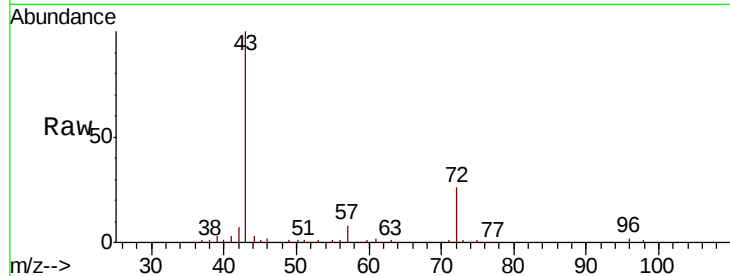
VICV65

Tot Ion: 43 Resp: 188926

Ion Ratio Lower Upper

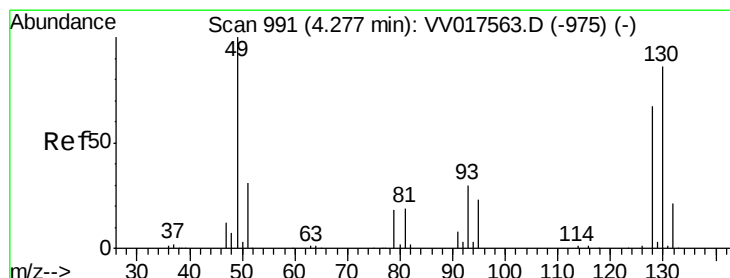
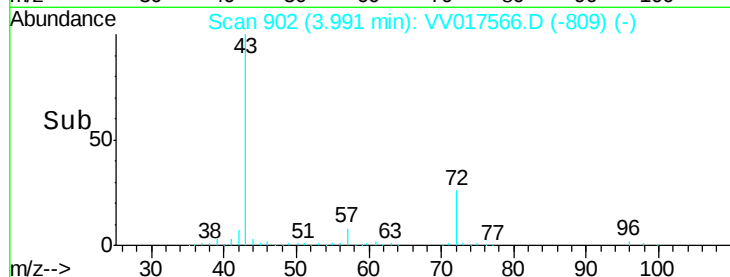
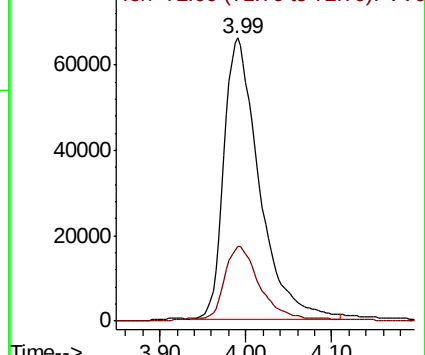
43 100

72 24.6 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017566.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV017566.D (-809) (-)



#23

Bromochloromethane

Concen: 51.261 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Tgt Ion:128 Resp: 70839

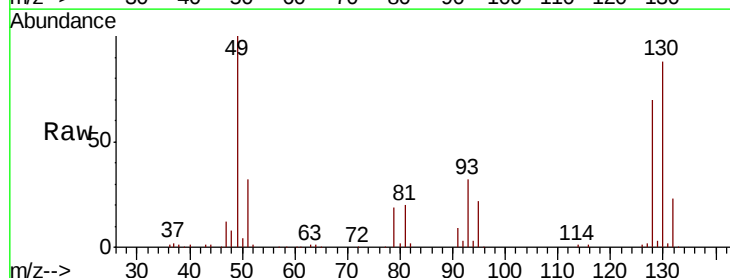
Ion Ratio Lower Upper

128 100

49 142.5 103.7 192.7

130 125.7 89.4 166.0

51 45.7 36.9 55.3

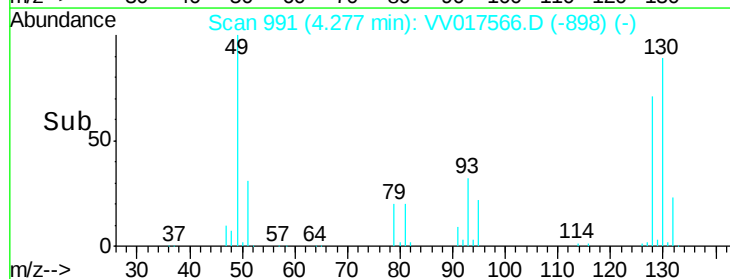
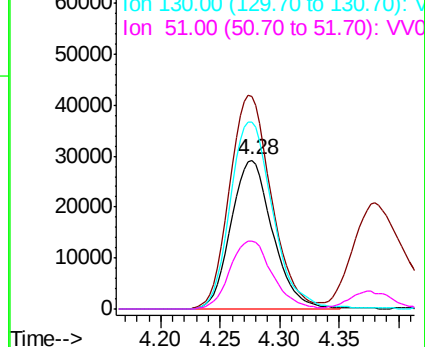


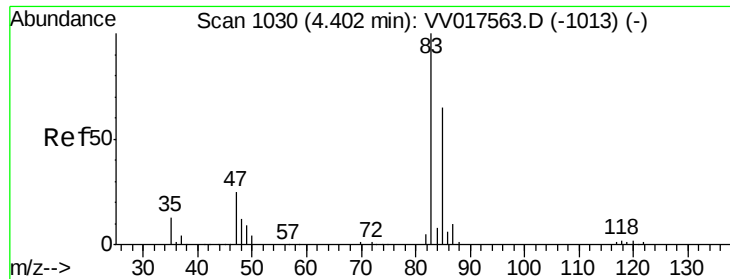
Abundance Ion 128.00 (127.70 to 128.70): VV017566.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV017566.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV017566.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV017566.D (-898) (-)

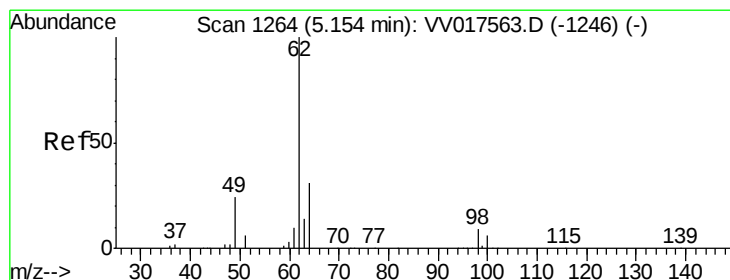
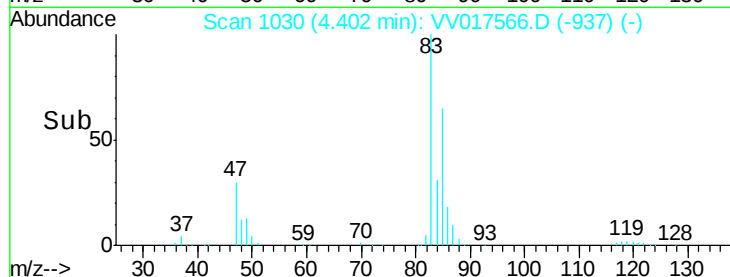
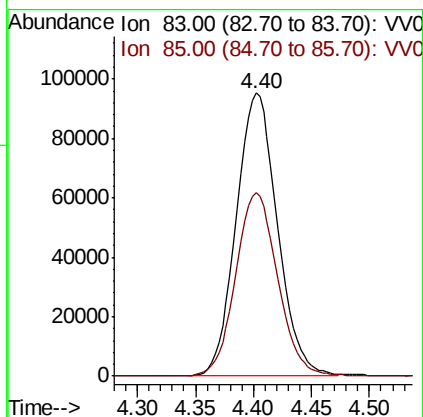
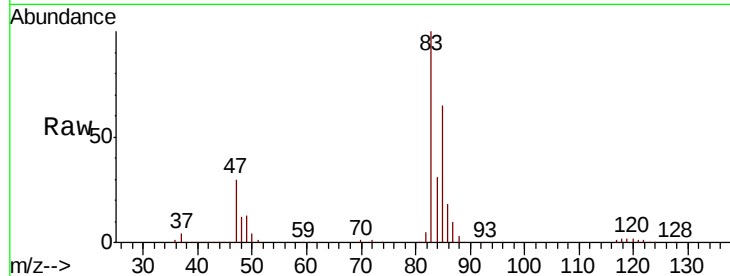




#25
Chloroform
Concen: 51.906 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

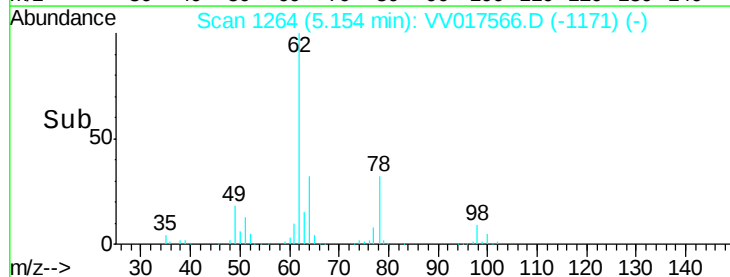
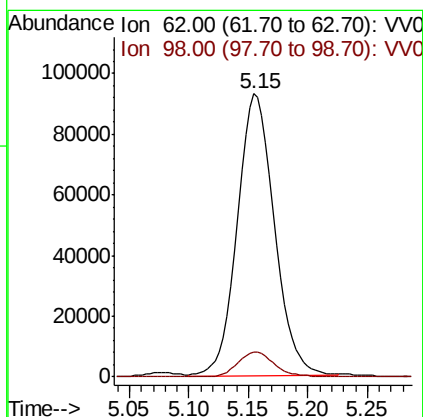
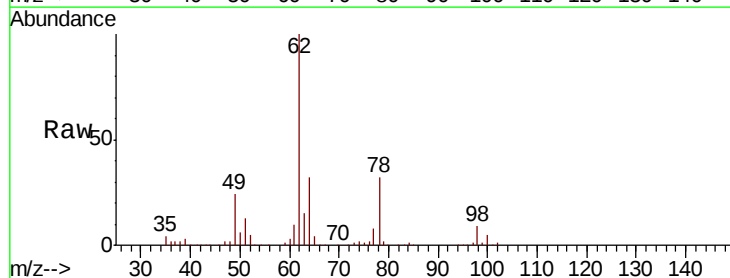
Instrument :
MSVOA_V
ClientSampleId :
VICV65

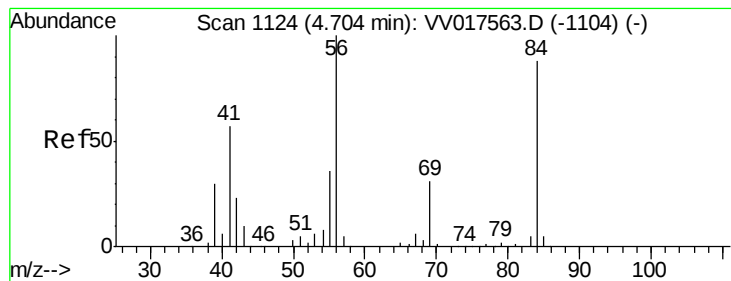
Tot Ion: 83 Resp: 236039
Ion Ratio Lower Upper
83 100
85 64.7 45.6 84.8



#27
1,2-Dichloroethane
Concen: 51.909 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

Tgt Ion: 62 Resp: 200386
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7





#29

Cyclohexane

Concen: 50.971 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VICV65

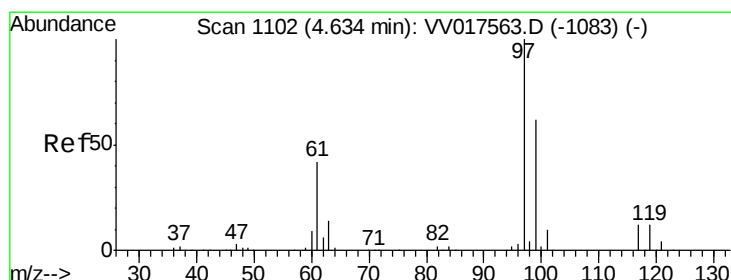
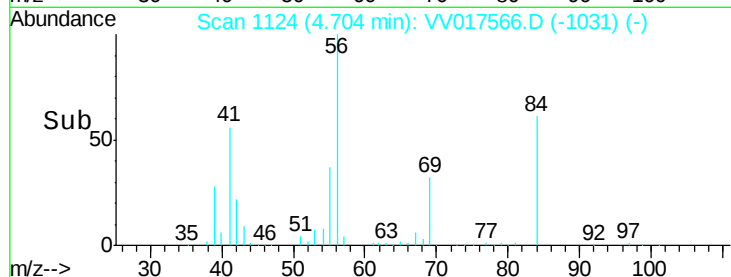
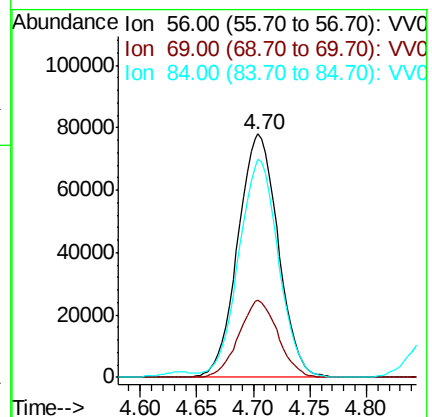
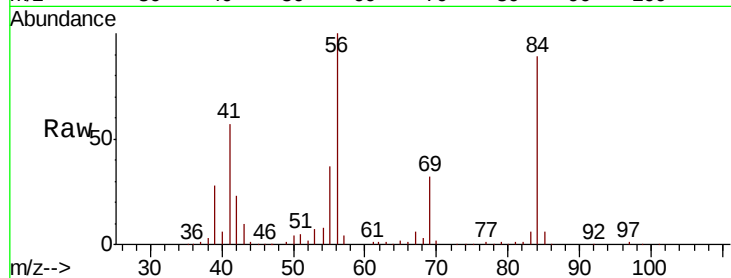
Tot Ion: 56 Resp: 192540

Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.2

84 88.9 70.6 105.8



#30

1,1,1-Trichloroethane

Concen: 50.926 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

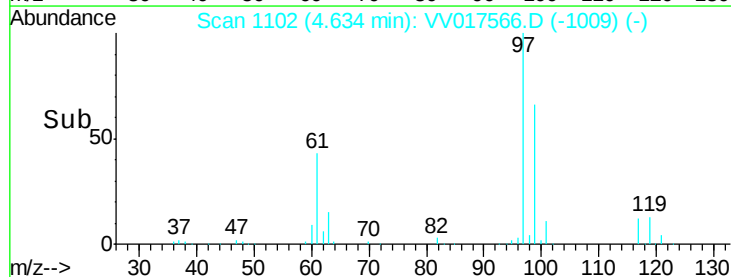
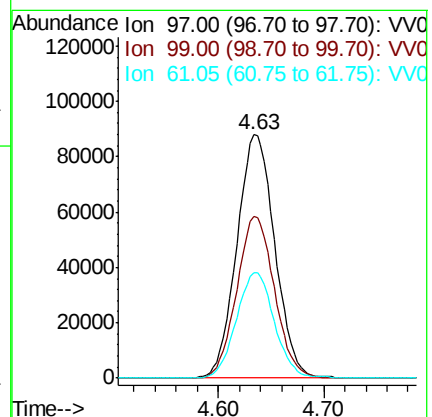
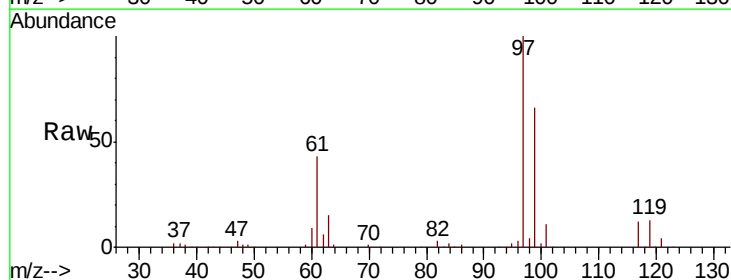
Tgt Ion: 97 Resp: 219671

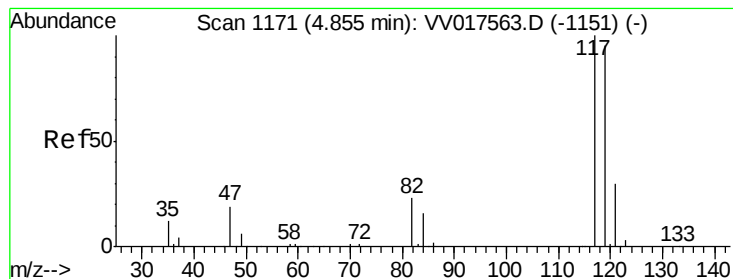
Ion Ratio Lower Upper

97 100

99 66.1 51.0 76.4

61 43.5 34.1 51.1





#31

Carbon tetrachloride

Concen: 51.027 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

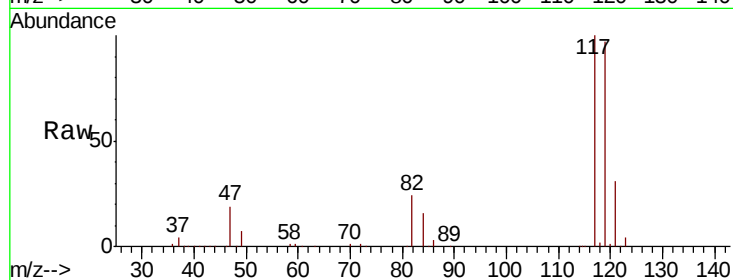
VICV65

Tot Ion:117 Resp: 198792

Ion Ratio Lower Upper

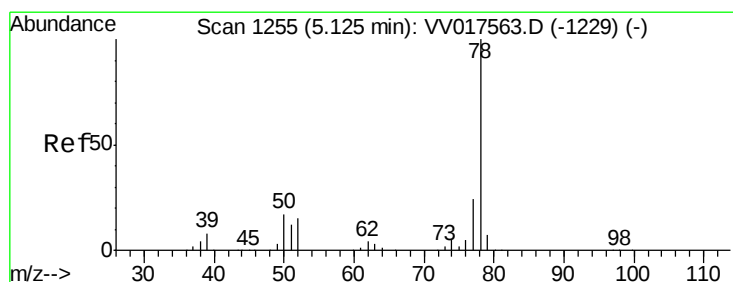
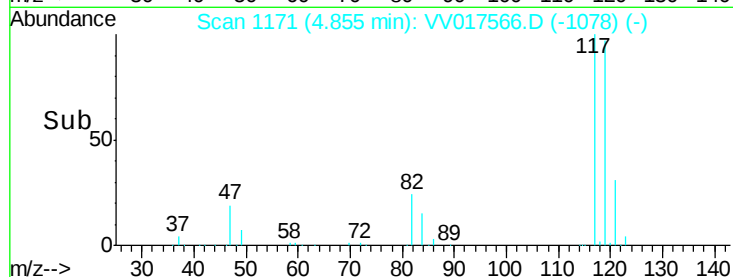
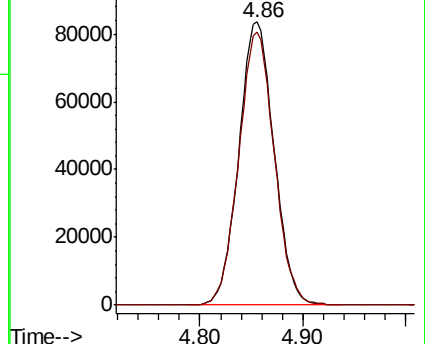
117 100

119 96.9 78.2 117.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.360 ug/L

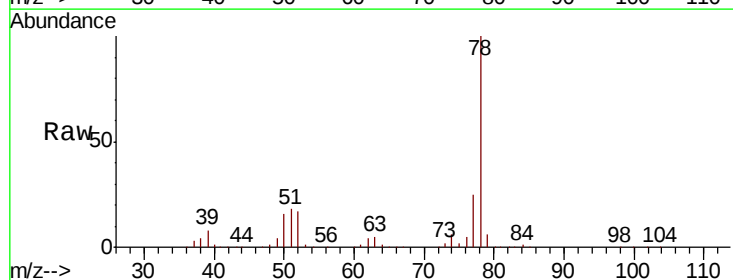
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

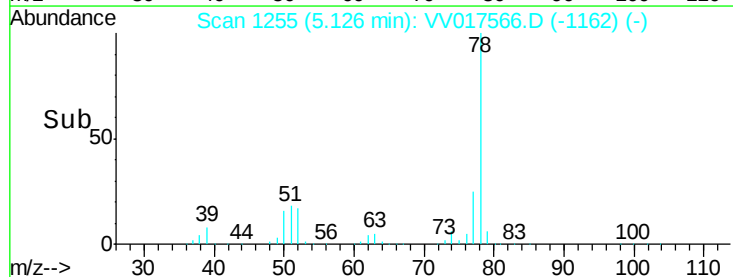
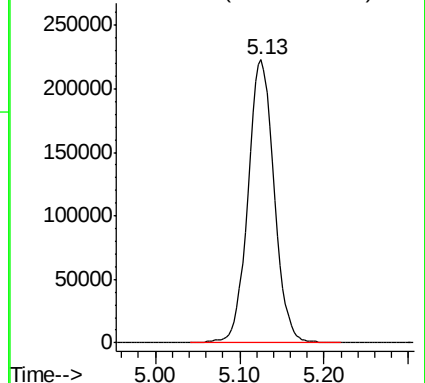
Lab File: VV017566.D

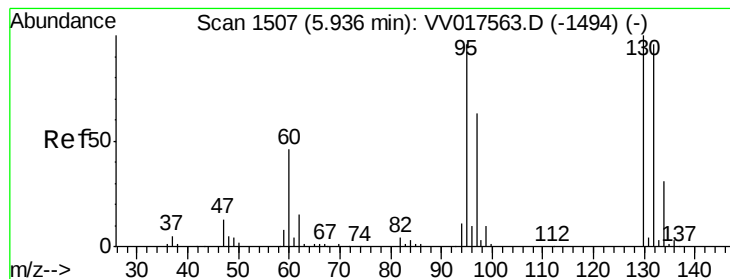
Acq: 21 Jul 2020 15:48

Tgt Ion: 78 Resp: 481080



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.459 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VICV65

Tot Ion: 95 Resp: 130210

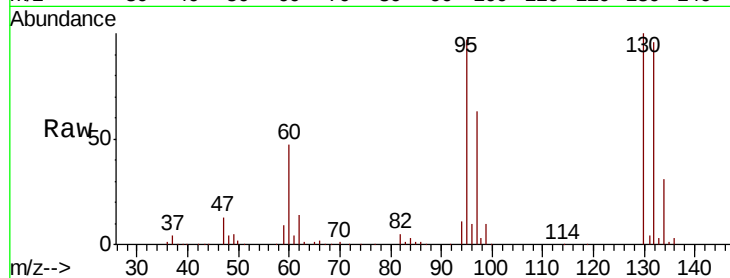
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 98.9 70.3 130.5

130 102.9 72.9 135.3

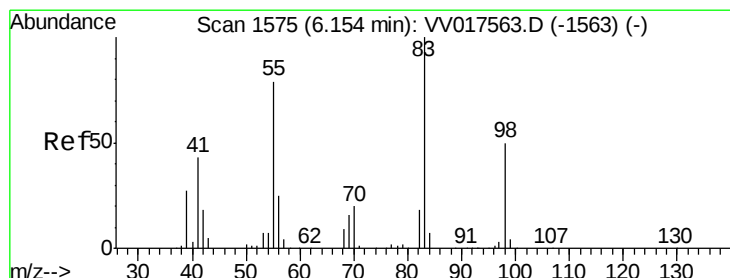
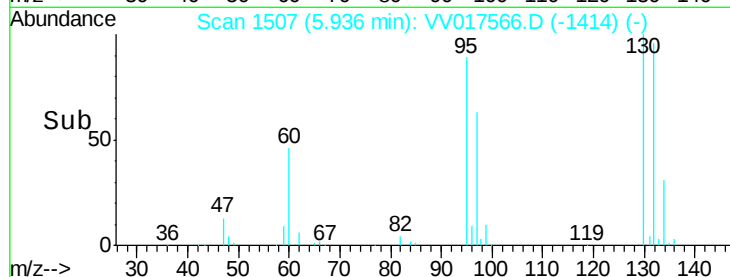
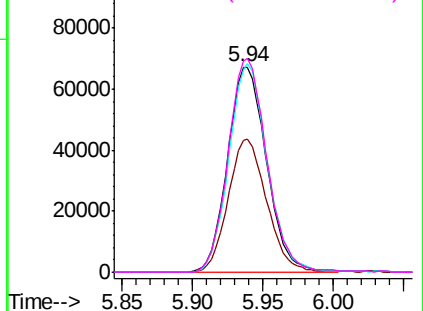


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.202 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

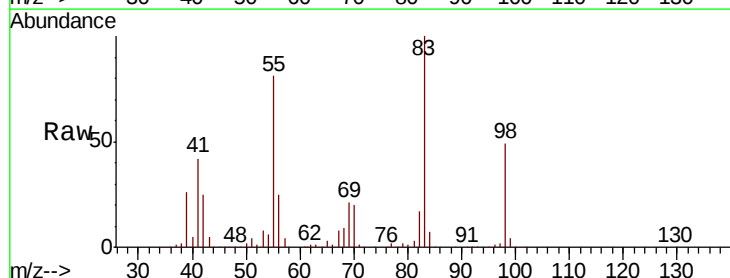
Tgt Ion: 83 Resp: 198462

Ion Ratio Lower Upper

83 100

55 79.5 61.7 92.5

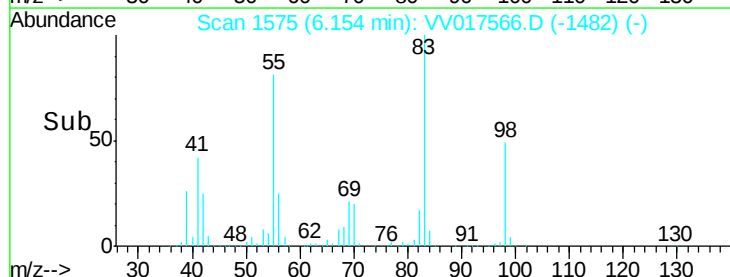
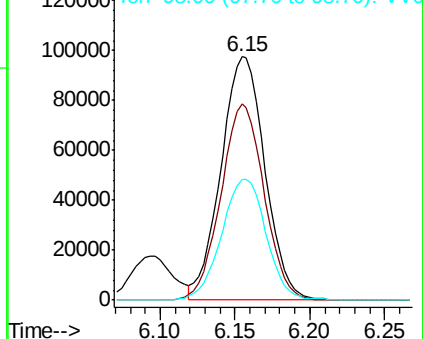
98 50.8 39.3 58.9

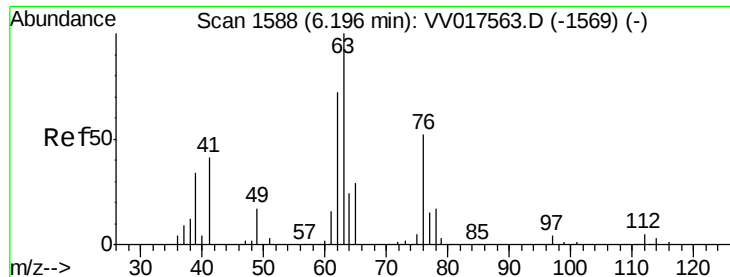


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 51.579 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

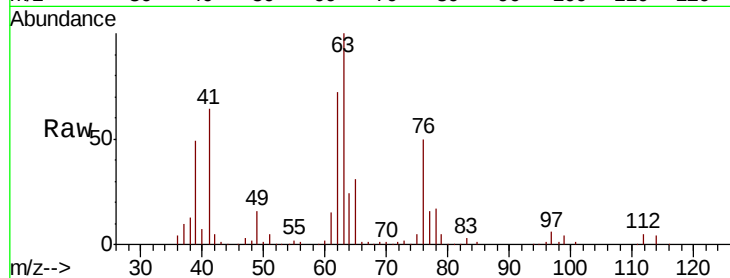
VICV65

Tot Ion: 63 Resp: 121207

Ion Ratio Lower Upper

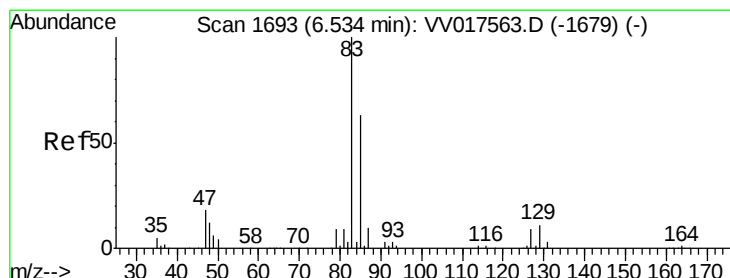
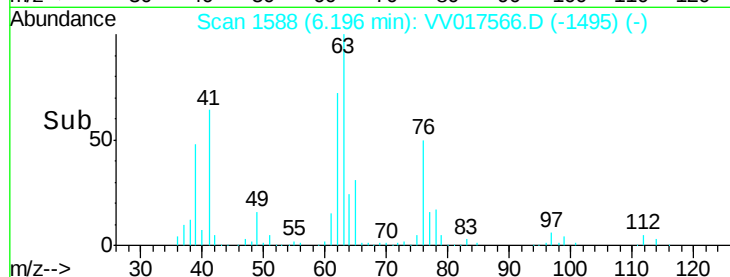
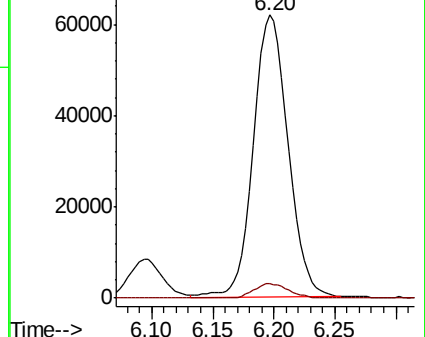
63 100

112 5.2 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV017563.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017563.D (-1569) (-)



#38

Bromodichloromethane

Concen: 52.488 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

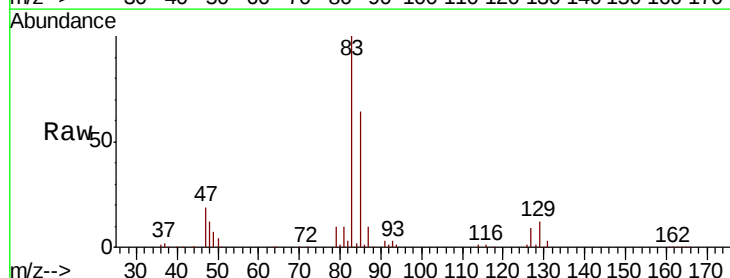
Tgt Ion: 83 Resp: 181731

Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.4

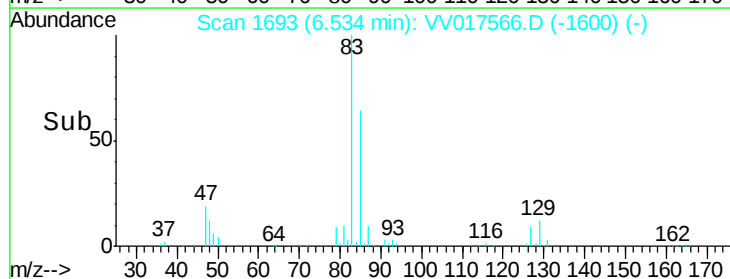
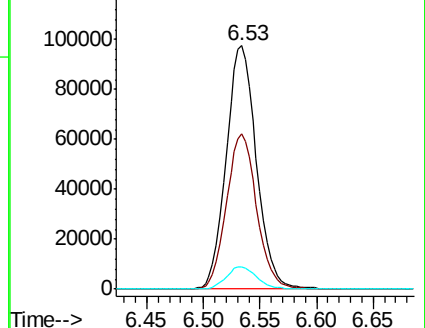
127 9.2 7.4 11.2

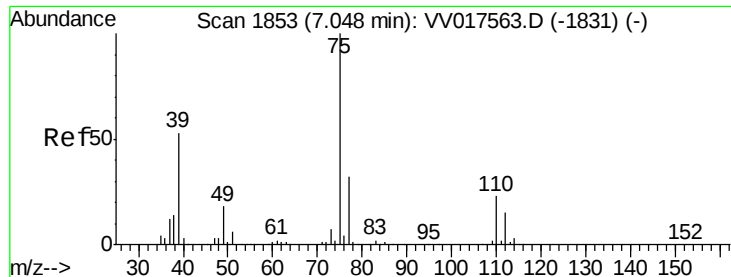


Abundance Ion 83.00 (82.70 to 83.70): VV017563.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV017563.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV017563.D (-1679) (-)





#39

cis-1,3-Dichloropropene

Concen: 52.973 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

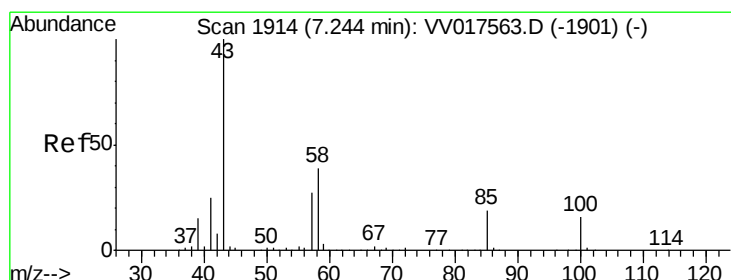
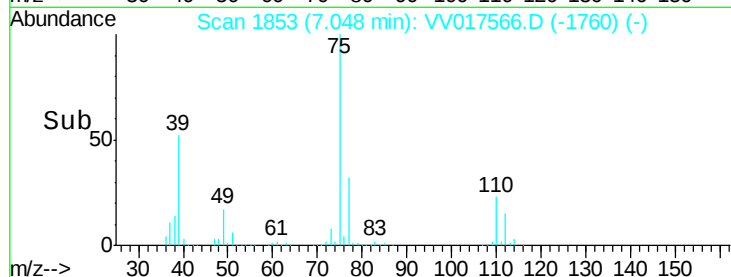
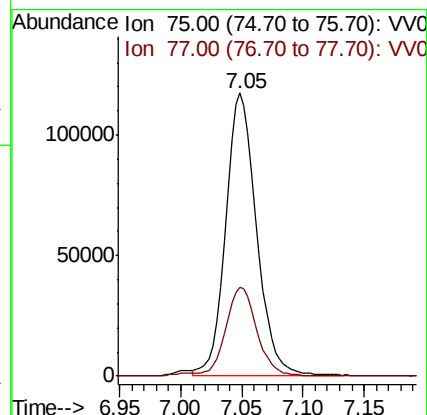
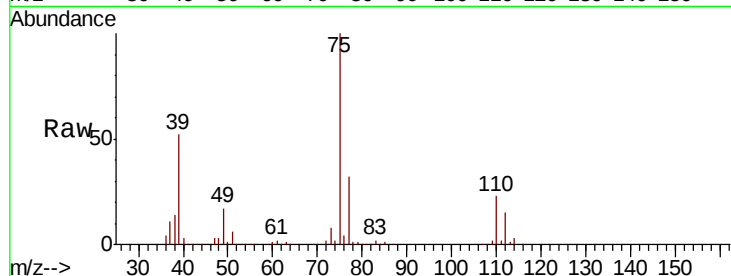
VICV65

Tot Ion: 75 Resp: 208513

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 106.710 ug/L

RT: 7.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

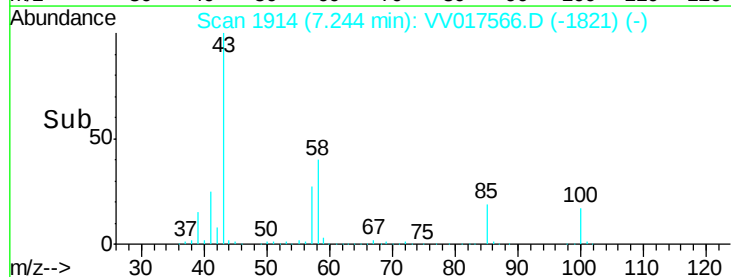
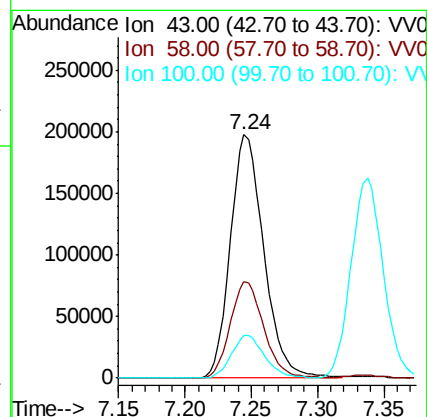
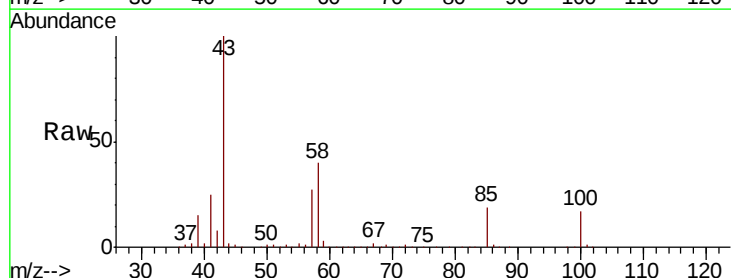
Tgt Ion: 43 Resp: 346808

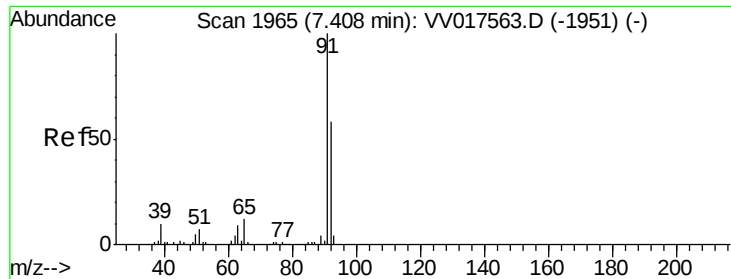
Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3

100 17.4 13.3 19.9





#42

Toluene

Concen: 52.092 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

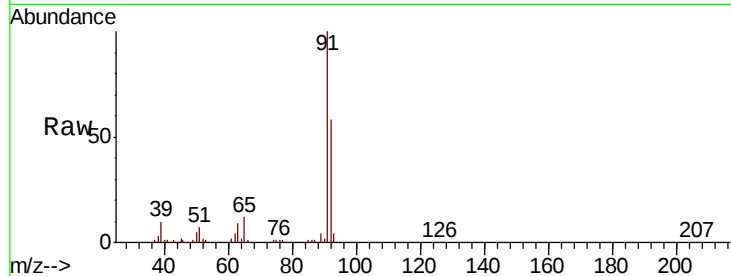
VICV65

Tot Ion: 91 Resp: 525910

Ion Ratio Lower Upper

91 100

92 58.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

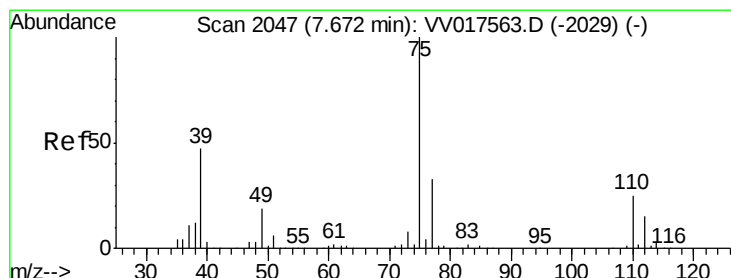
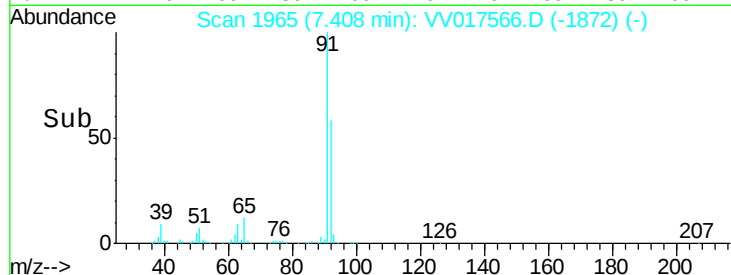
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 53.608 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017566.D

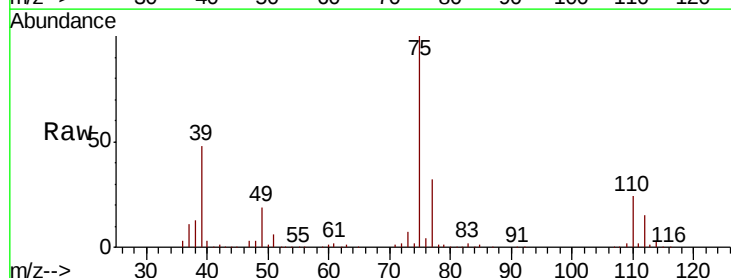
Acq: 21 Jul 2020 15:48

Tgt Ion: 75 Resp: 210559

Ion Ratio Lower Upper

75 100

77 32.3 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

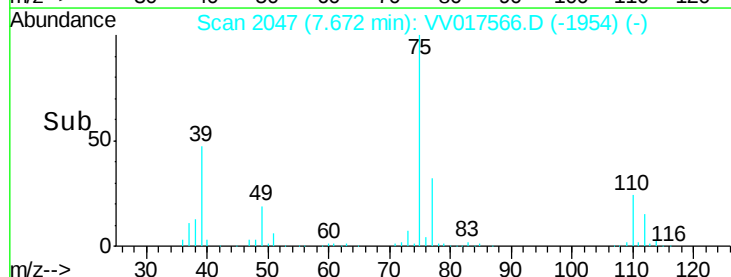
7.67

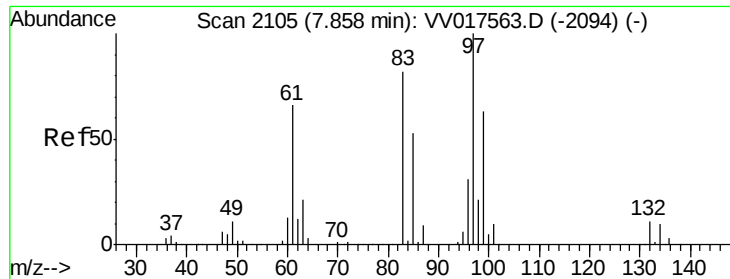
100000

50000

0

Time--> 7.60 7.70 7.80

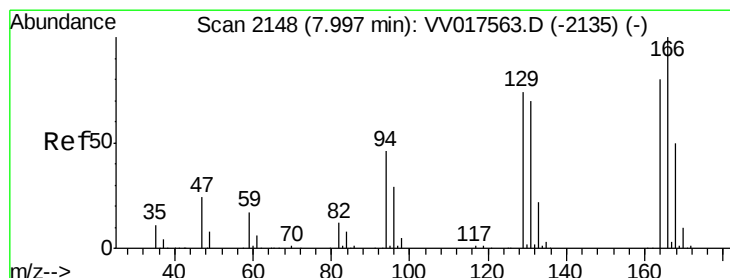
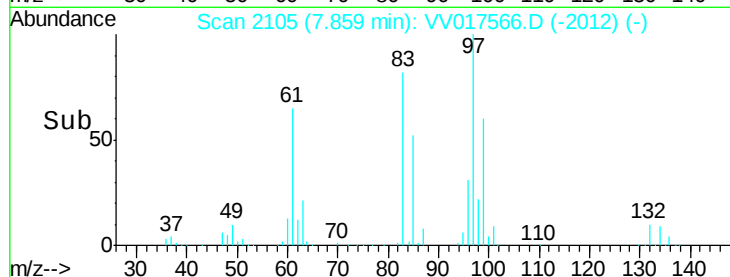
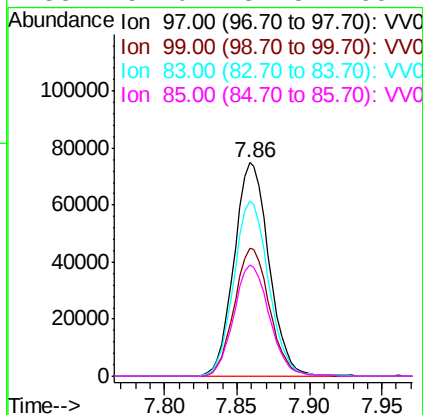
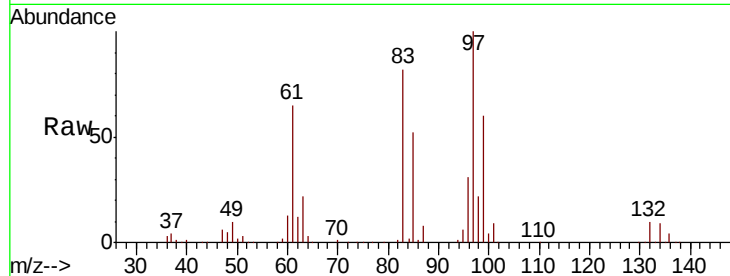




#45
1,1,2-Trichloroethane
Concen: 52.812 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

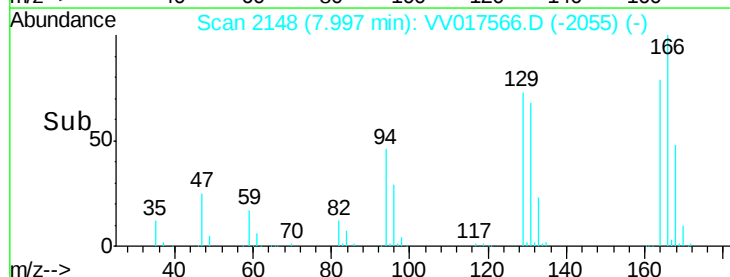
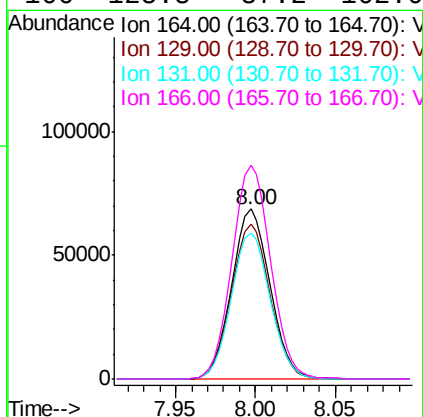
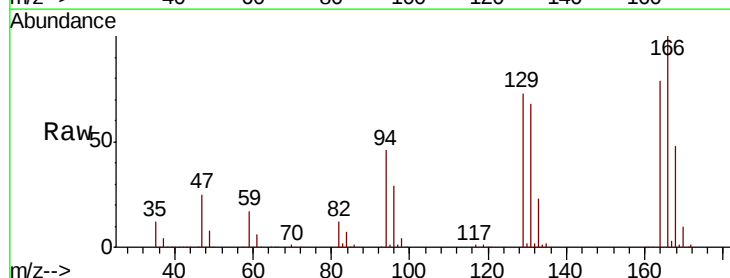
Instrument :
MSVOA_V
ClientSampleId :
VICV65

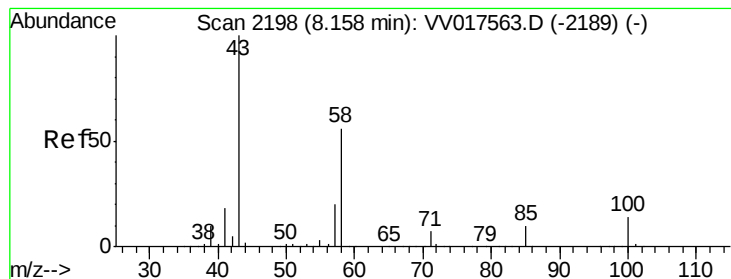
Tot Ion:	97	Resp:	125205
Ion	Ratio	Lower	Upper
97	100		
99	59.7	44.2	82.0
83	82.1	57.9	107.5
85	52.0	37.5	69.7



#46
Tetrachloroethene
Concen: 52.119 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

Tgt Ion:	164	Resp:	112135
Ion	Ratio	Lower	Upper
164	100		
129	91.2	64.3	119.5
131	86.0	61.5	114.1
166	125.8	87.2	162.0





#48

2-Hexanone

Concen: 110.958 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

VICV65

Tot Ion: 43 Resp: 287204

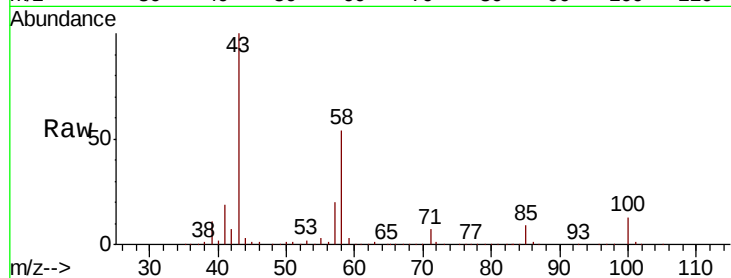
Ion Ratio Lower Upper

43 100

58 53.2 44.3 66.5

57 20.0 16.9 25.3

100 13.5 11.0 16.4

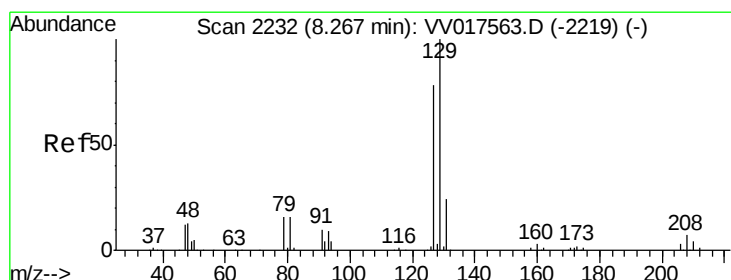
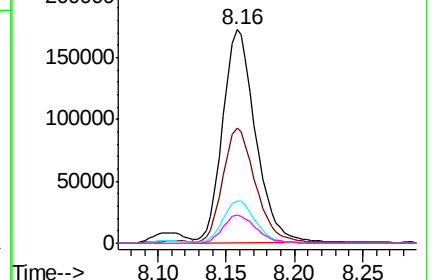
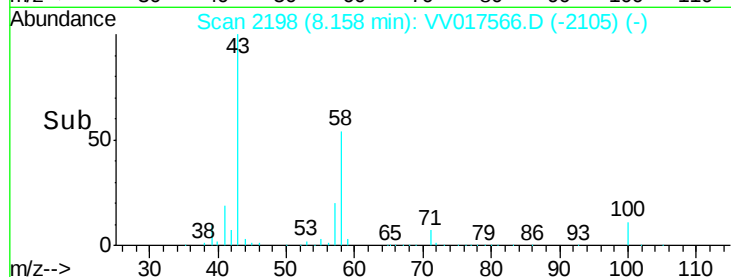


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 52.898 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017566.D

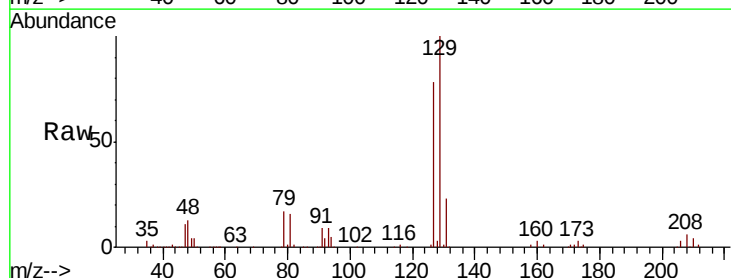
Acq: 21 Jul 2020 15:48

Tgt Ion: 129 Resp: 152913

Ion Ratio Lower Upper

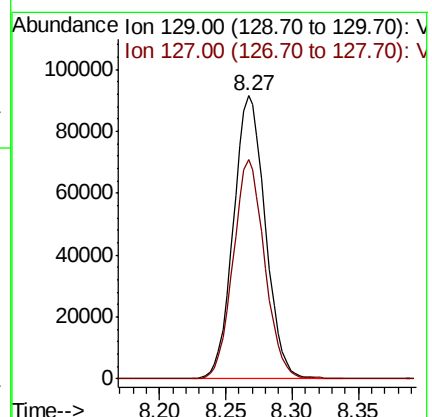
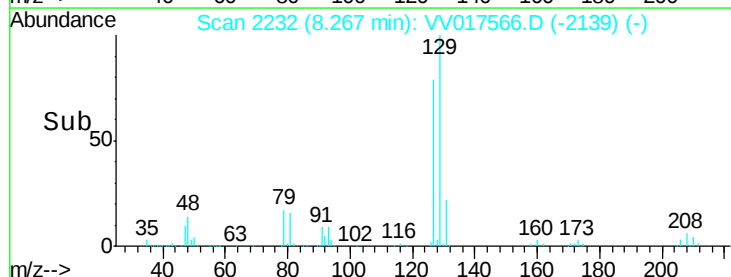
129 100

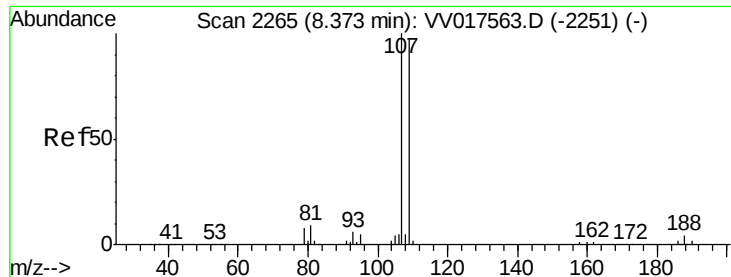
127 77.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

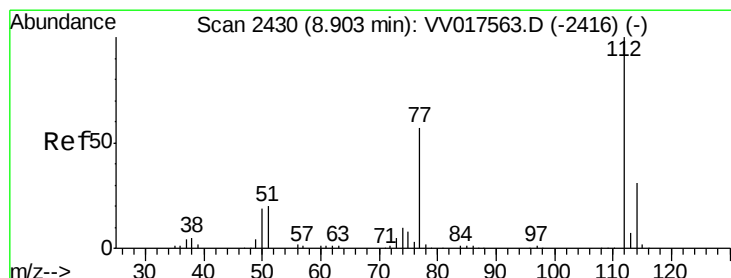
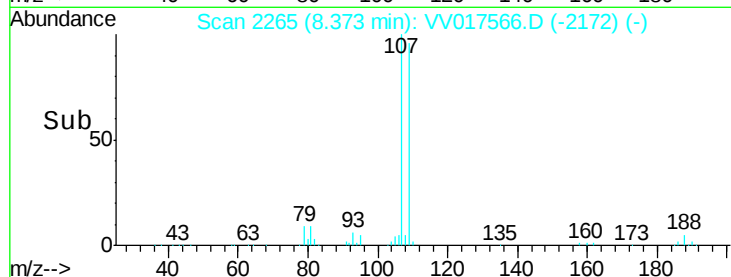
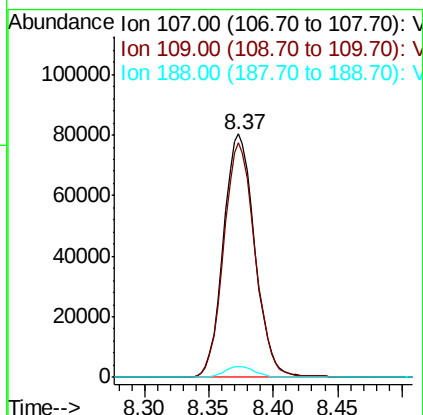
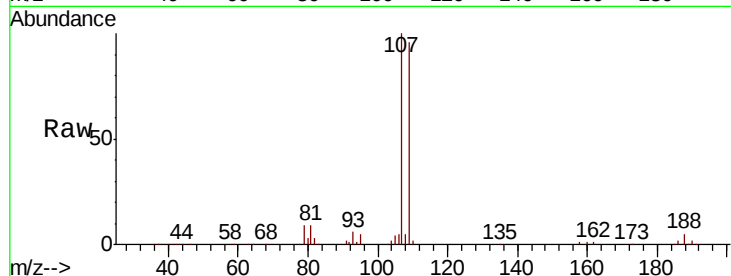




#50
1,2-Dibromoethane
Concen: 52.617 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

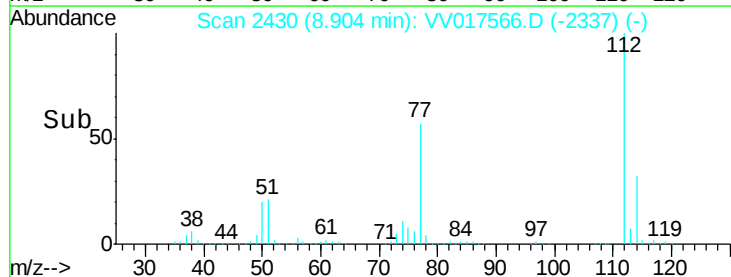
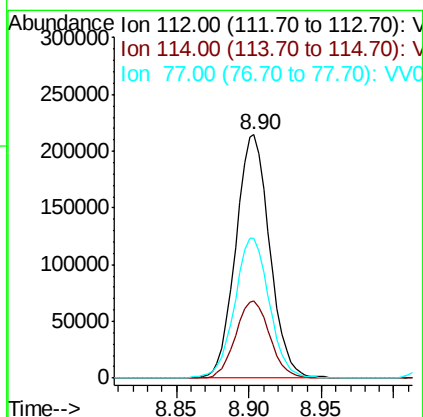
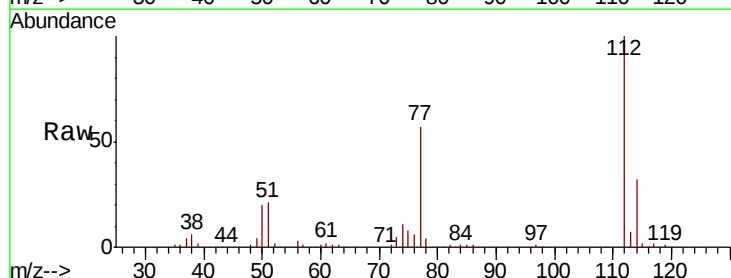
Instrument :
MSVOA_V
ClientSampleId :
VICV65

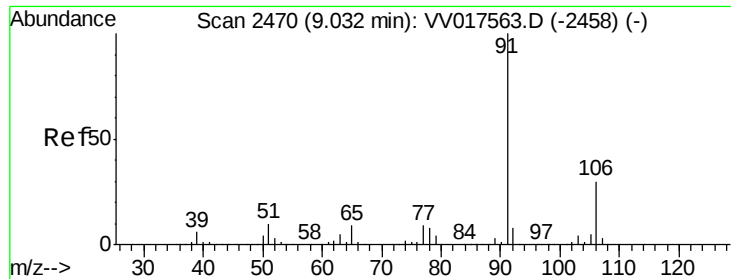
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	67.7	125.7
188	4.5	3.5	5.3



#51
Chlorobenzene
Concen: 52.090 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	21.9	40.7
77	57.4	46.1	69.1





#52

Ethylbenzene

Concen: 52.661 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

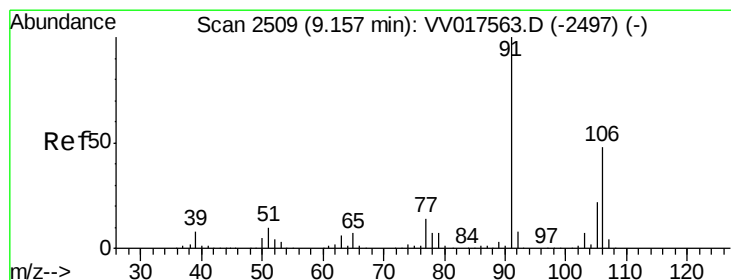
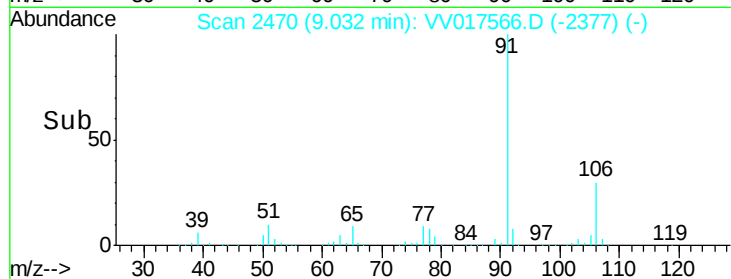
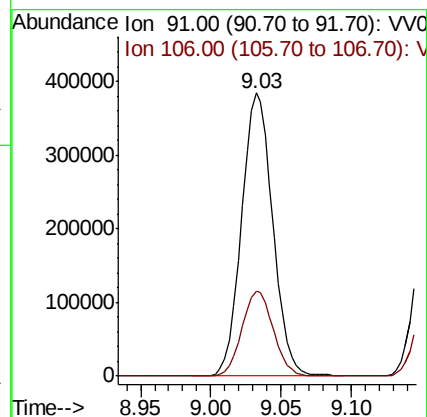
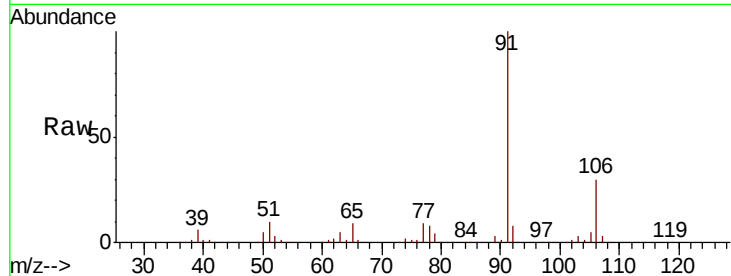
VICV65

Tot Ion: 91 Resp: 595067

Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.6



#53

m,p-Xylene

Concen: 52.366 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017566.D

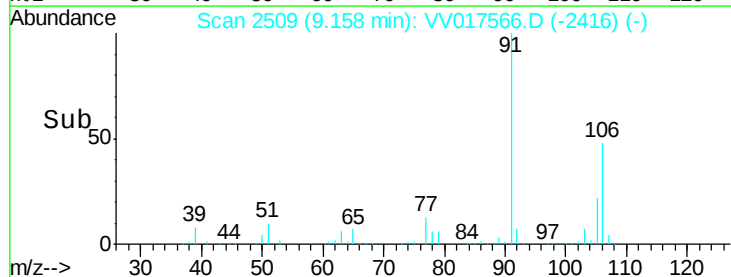
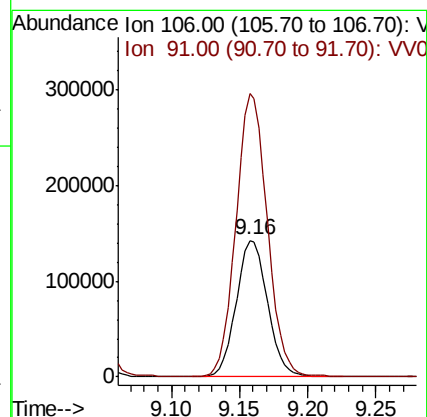
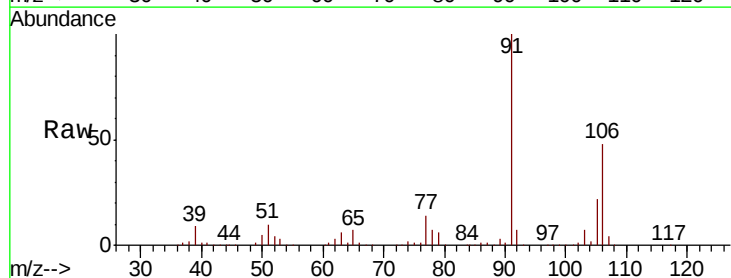
Acq: 21 Jul 2020 15:48

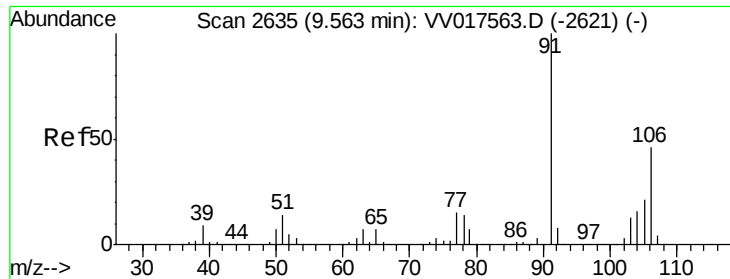
Tgt Ion: 106 Resp: 226717

Ion Ratio Lower Upper

106 100

91 207.4 146.2 271.6

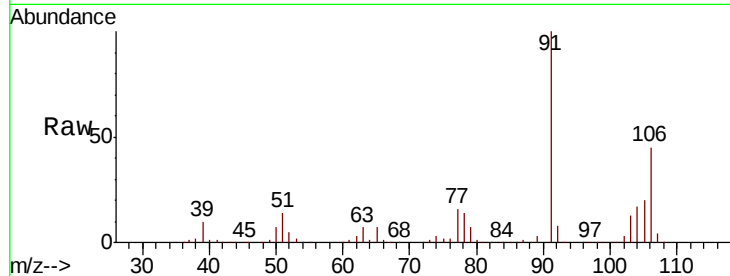




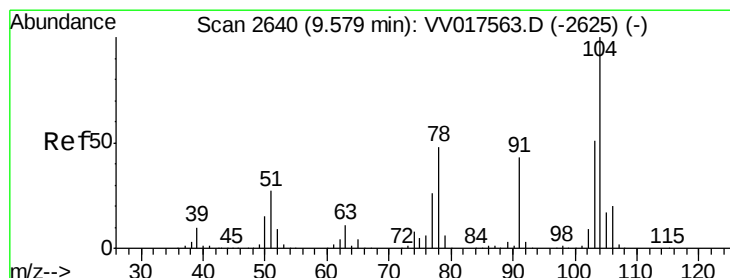
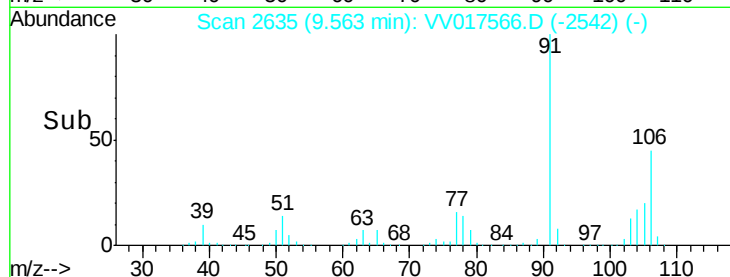
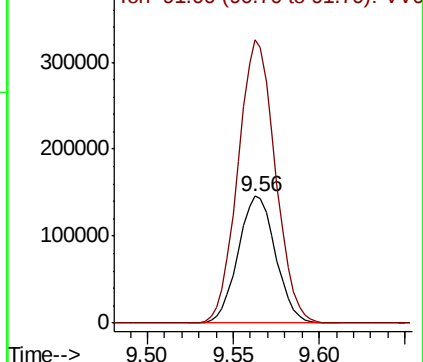
#54
o-xylene
Concen: 52.562 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tot Ion:106 Resp: 221042
Ion Ratio Lower Upper
106 100
91 222.6 153.6 285.2

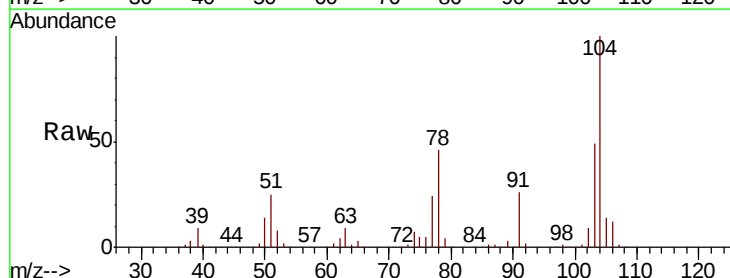


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

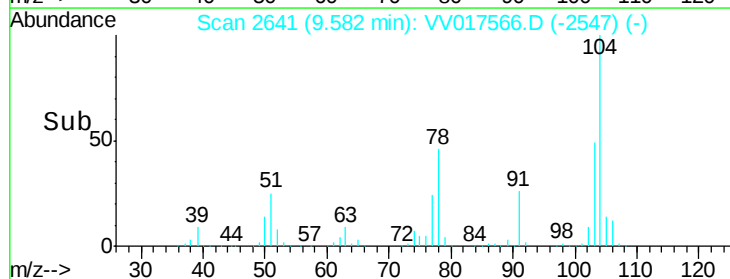
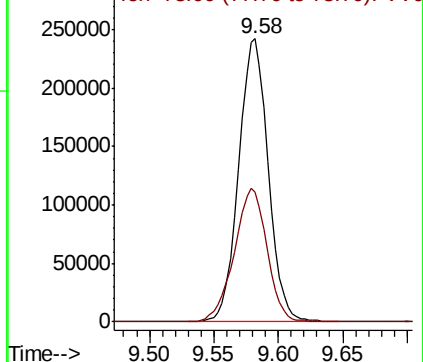


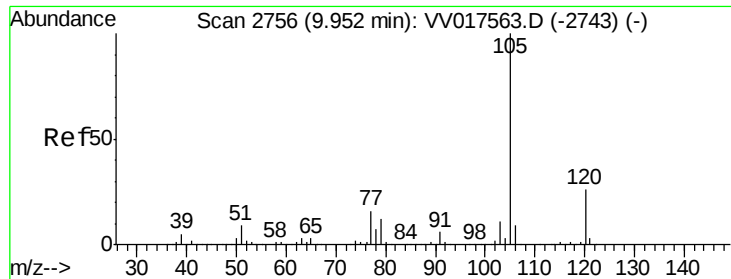
#55
Styrene
Concen: 54.099 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017566.D
Acq: 21 Jul 2020 15:48

Tgt Ion:104 Resp: 387047
Ion Ratio Lower Upper
104 100
78 45.9 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: 52.910 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VICV65

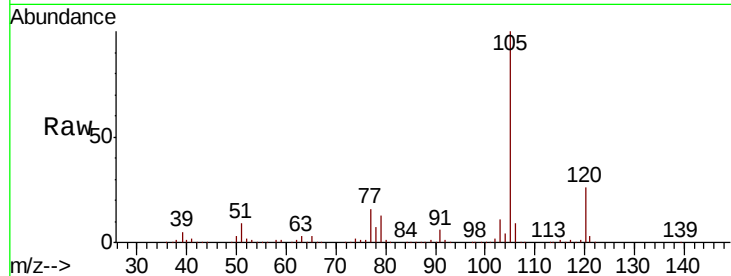
Tot Ion:105 Resp: 603159

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

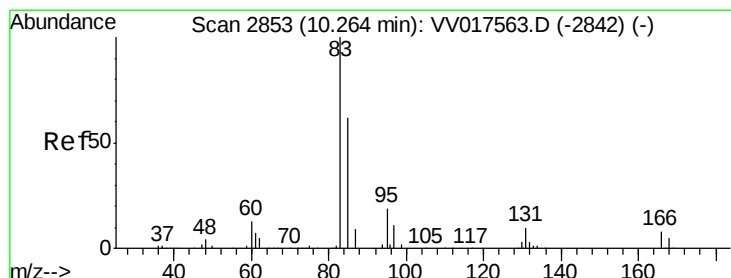
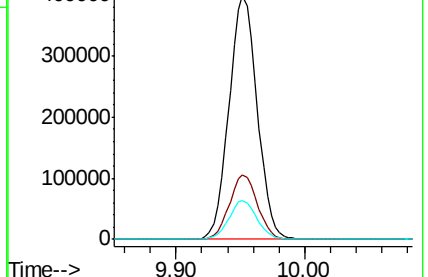
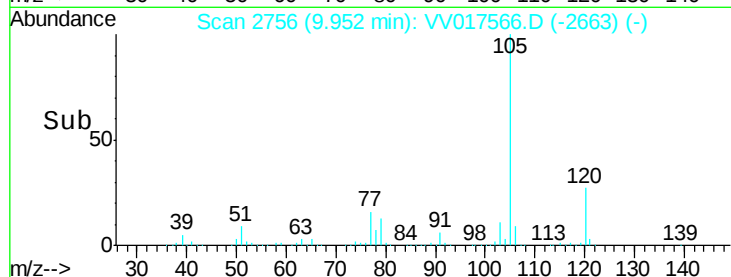
77 15.8 12.8 19.2



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: 51.910 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

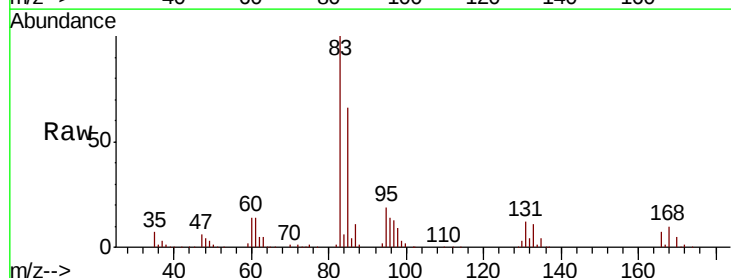
Tgt Ion: 83 Resp: 194136

Ion Ratio Lower Upper

83 100

85 66.1 44.5 82.7

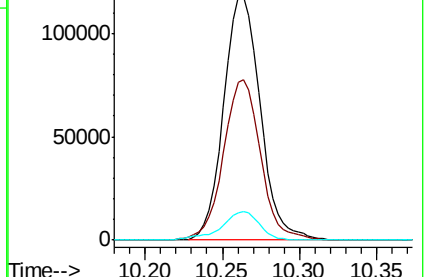
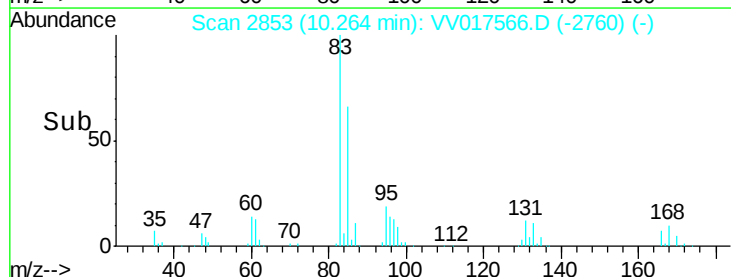
131 11.8 8.9 13.3

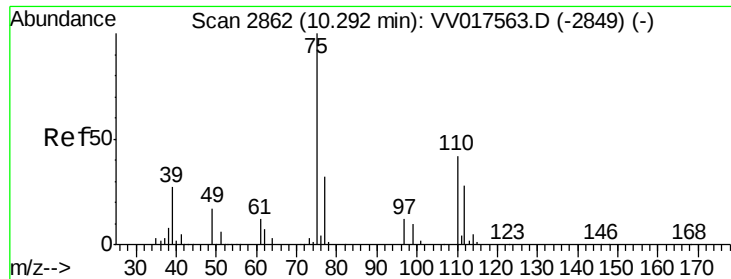


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.732 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

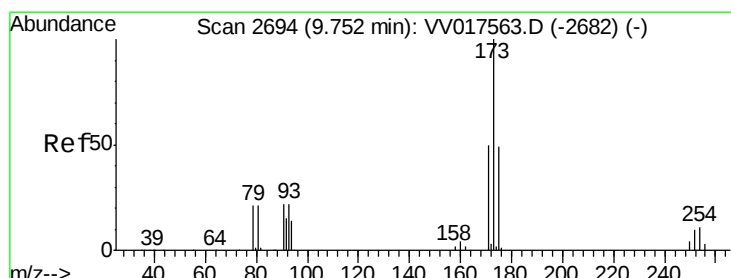
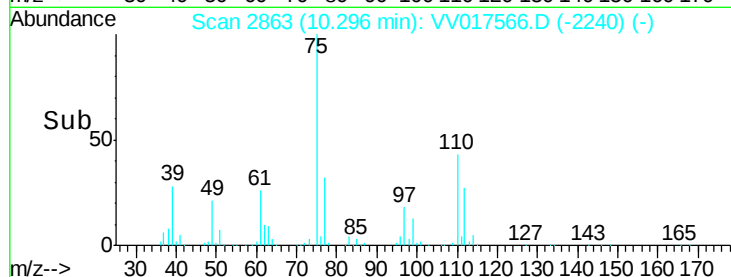
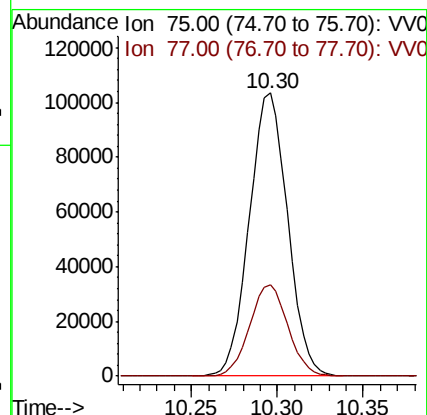
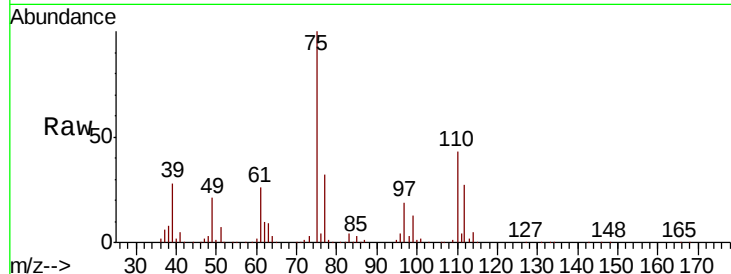
VICV65

Tot Ion: 75 Resp: 159931

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#61

Bromoform

Concen: 52.657 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

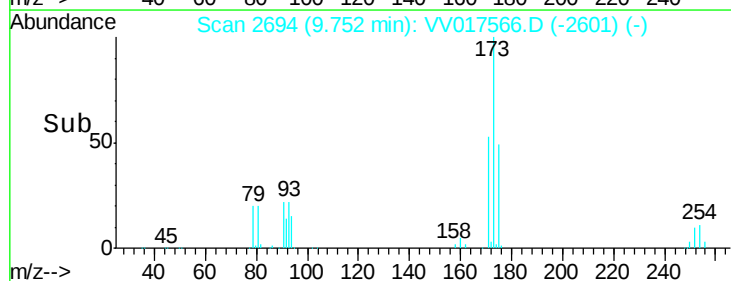
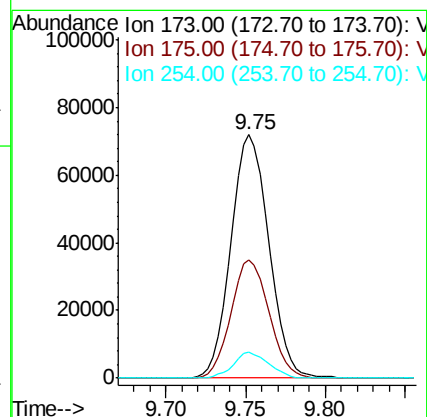
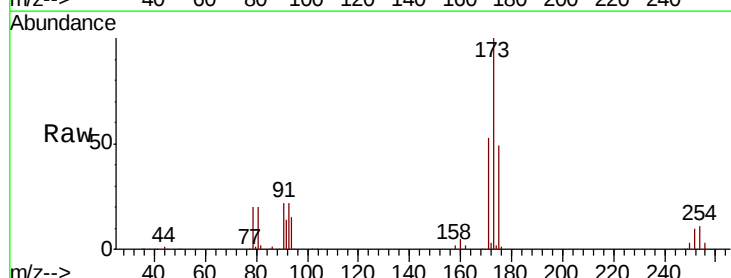
Tgt Ion: 173 Resp: 116439

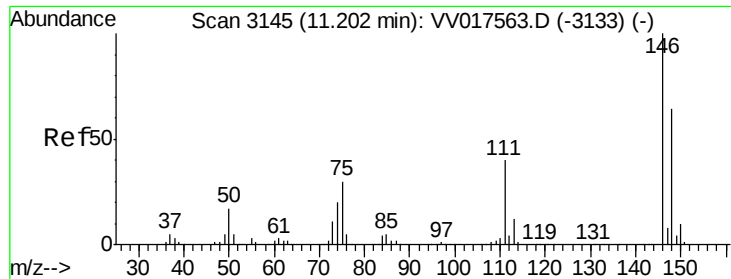
Ion Ratio Lower Upper

173 100

175 48.5 38.5 57.7

254 9.8 8.3 12.5

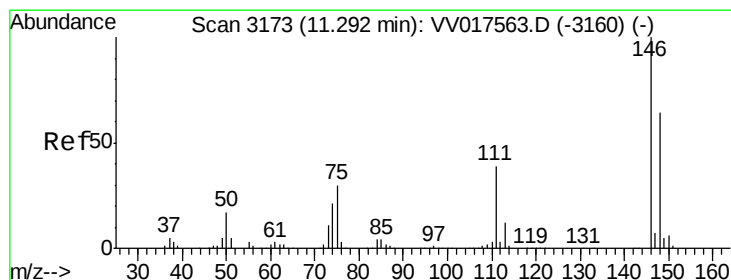
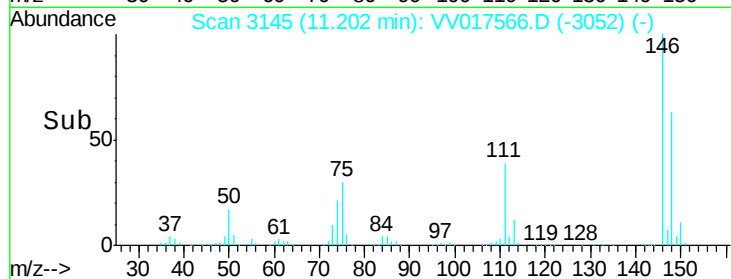
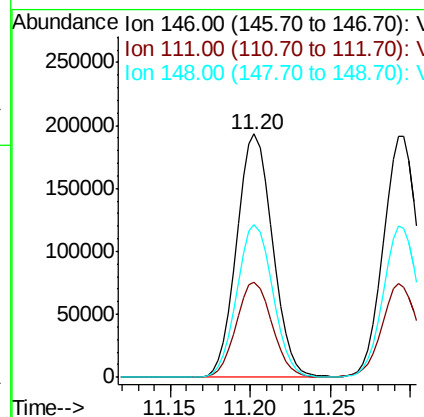
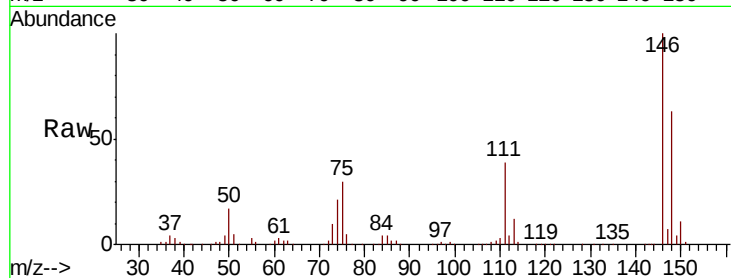




#62
 1,3-Dichlorobenzene
 Concen: 51.879 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017566.D
 Acq: 21 Jul 2020 15:48

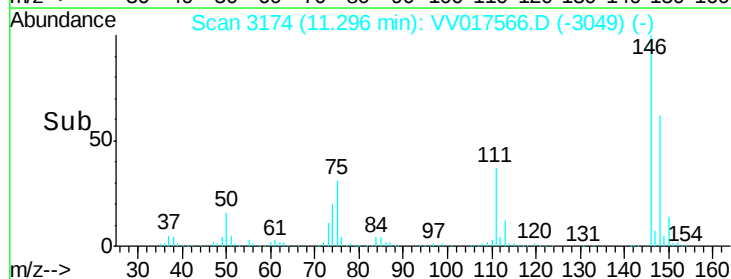
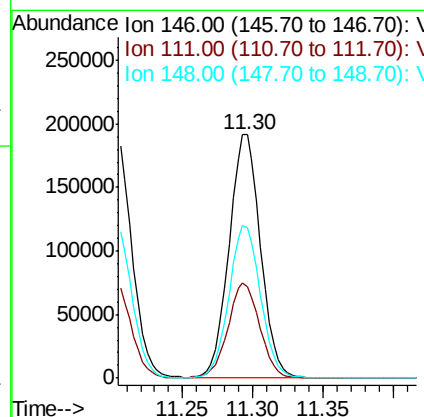
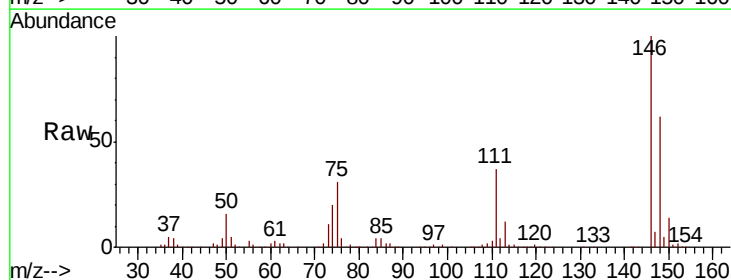
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

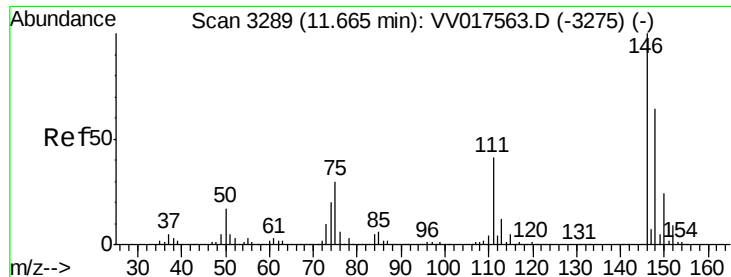
Tot Ion:146 Resp: 294971
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.2 52.4
 148 62.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 51.111 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017566.D
 Acq: 21 Jul 2020 15:48

Tgt Ion:146 Resp: 296620
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.3 50.7
 148 61.9 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 51.517 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

VICV65

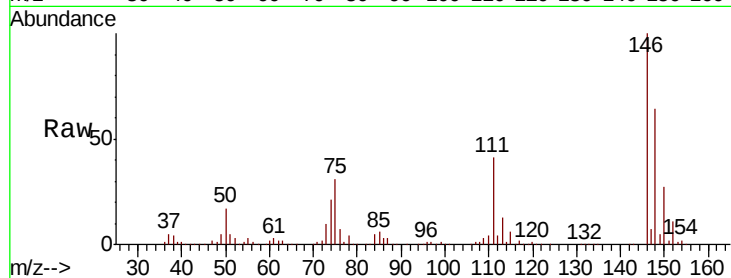
Tot Ion:146 Resp: 296962

Ion Ratio Lower Upper

146 100

111 40.9 32.9 49.3

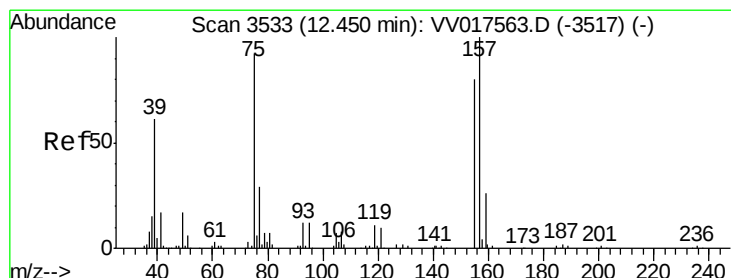
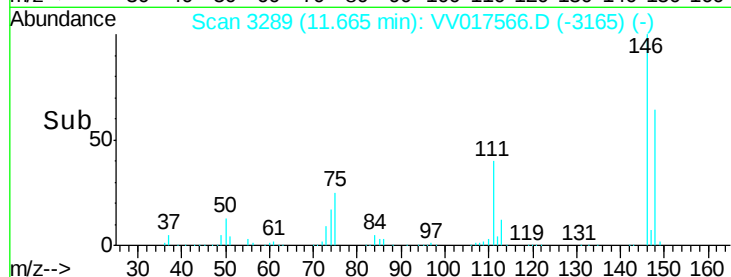
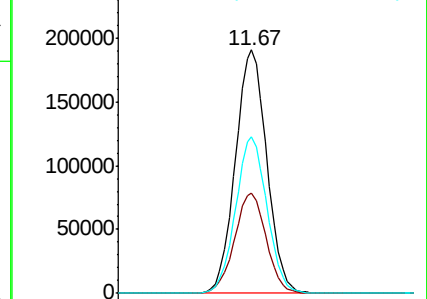
148 64.3 51.0 76.4



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: 54.427 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

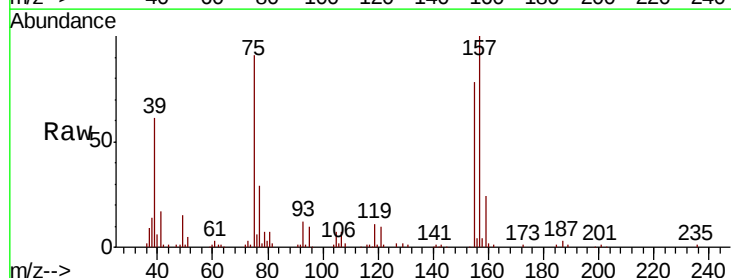
Tgt Ion: 75 Resp: 51929

Ion Ratio Lower Upper

75 100

155 85.7 69.2 103.8

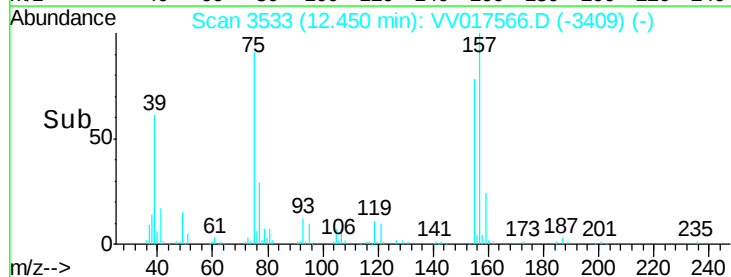
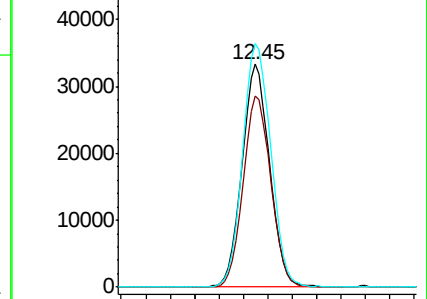
157 109.4 86.9 130.3

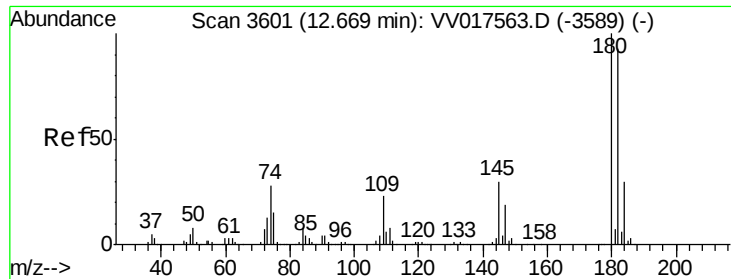


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

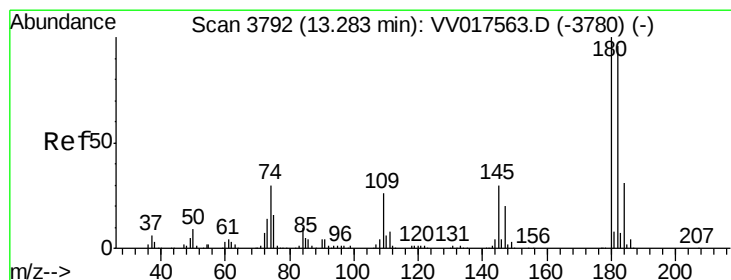
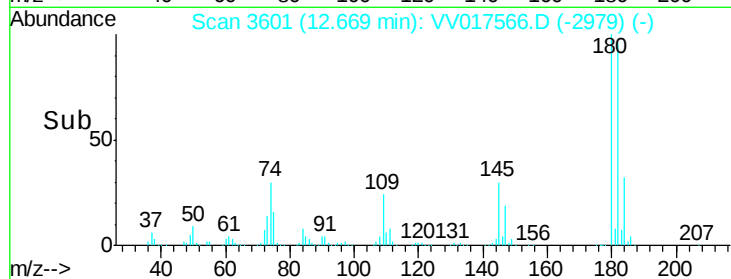
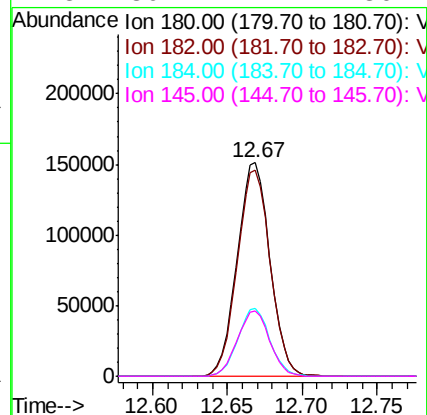
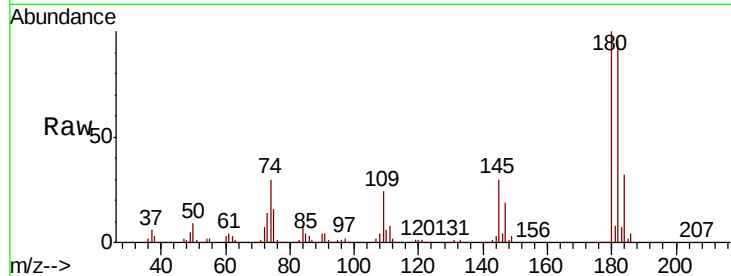




#67
 1,3,5-Trichlorobenzene
 Concen: 51.558 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017566.D
 Acq: 21 Jul 2020 15:48

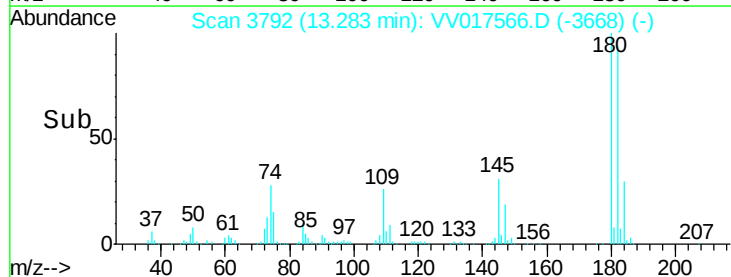
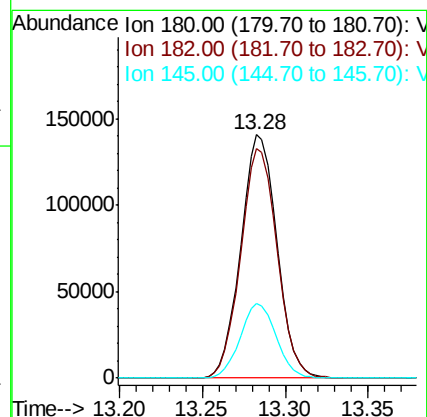
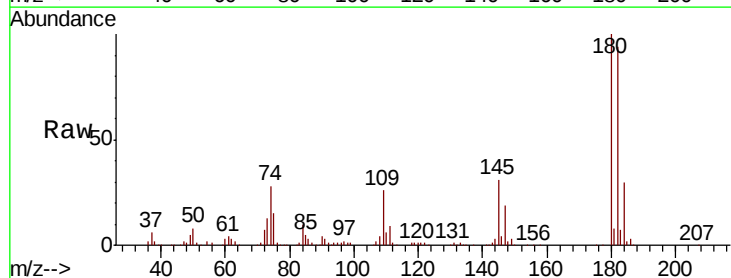
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

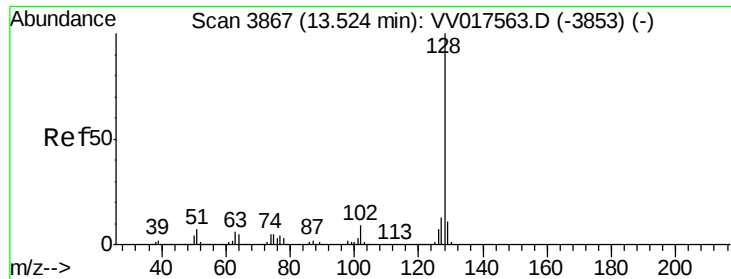
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.7	115.1
184	31.0	24.5	36.7
145	30.2	24.2	36.2



#68
 1,2,4-trichlorobenzene
 Concen: 53.507 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017566.D
 Acq: 21 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.5	24.1	36.1





#69

Naphthalene

Concen: 55.676 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

Instrument :

MSVOA_V

ClientSampled :

VICV65

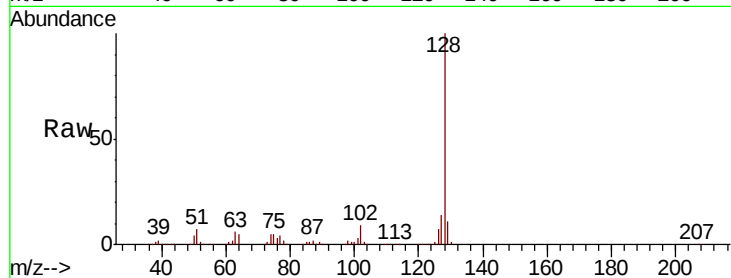
Tot Ion:128 Resp: 620540

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

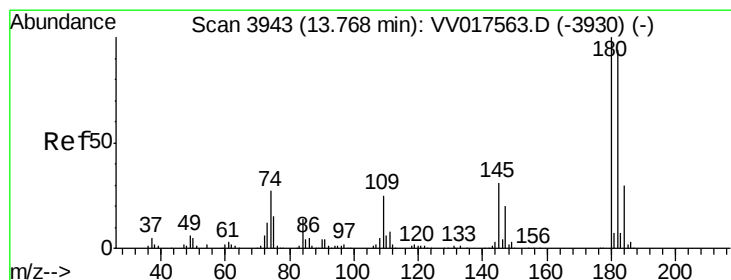
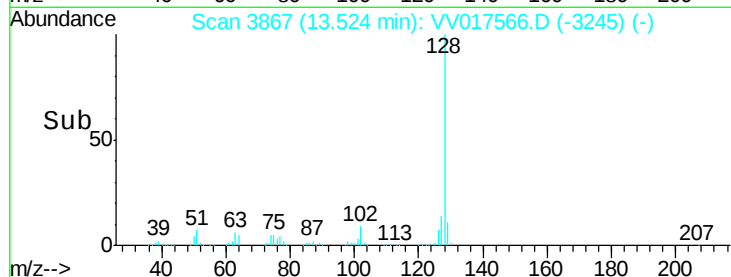
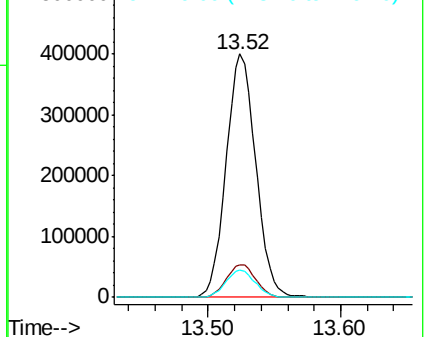
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.107 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017566.D

Acq: 21 Jul 2020 15:48

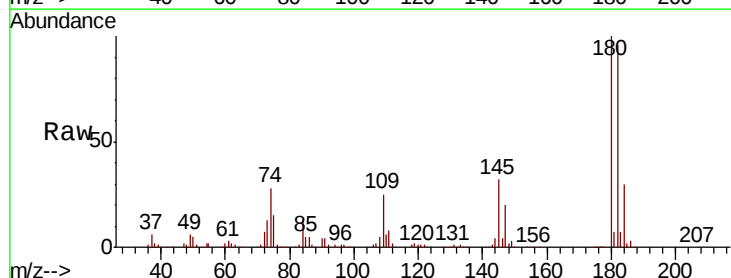
Tgt Ion:180 Resp: 211487

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.8

145 32.8 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

