

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017577.D
 Acq On : 21 Jul 2020 20:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Jul 22 03:29:43 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	321444	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308028	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162751	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93052	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.88%
7) Chloroethane-d5	1.58	69	64914	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.28%
11) 1,1-Dichloroethene-d2	2.12	63	191408	48.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.98%
21) 2-Butanone-d5	3.91	46	160757	107.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.38	84	226413	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.06	65	157209	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.86%
32) Benzene-d6	5.07	84	415659	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.09	67	123729	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.22%
41) Toluene-d8	7.34	98	397930	51.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.50%
43) trans-1,3-Dichloropropene-	7.64	79	71427	49.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.94%
47) 2-Hexanone-d5	8.11	63	120857	106.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.77%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179793	51.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	175800	52.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	159714	48.034	ug/L	100
3) Chloromethane	1.25	50	121374	47.926	ug/L	98
5) Vinyl chloride	1.32	62	118198	48.857	ug/L	99
6) Bromomethane	1.53	94	71756	47.356	ug/L	98
8) Chloroethane	1.59	64	57773	46.574	ug/L	100
9) Trichlorofluoromethane	1.76	101	196384	48.990	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93828	47.398	ug/L	98
12) 1,1-Dichloroethene	2.13	96	88531	48.258	ug/L	97
13) Acetone	2.19	43	111093	82.040	ug/L	98
14) Carbon disulfide	2.31	76	310246	46.662	ug/L	99
15) Methyl Acetate	2.45	43	119067	51.580	ug/L	100
16) Methylene chloride	2.52	84	120327	49.577	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	112154	48.848	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	381134	49.666	ug/L	99
19) 1,1-Dichloroethane	3.21	63	205133	49.584	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	121277	49.191	ug/L	96
22) 2-Butanone	3.99	43	165862	98.617	ug/L	97

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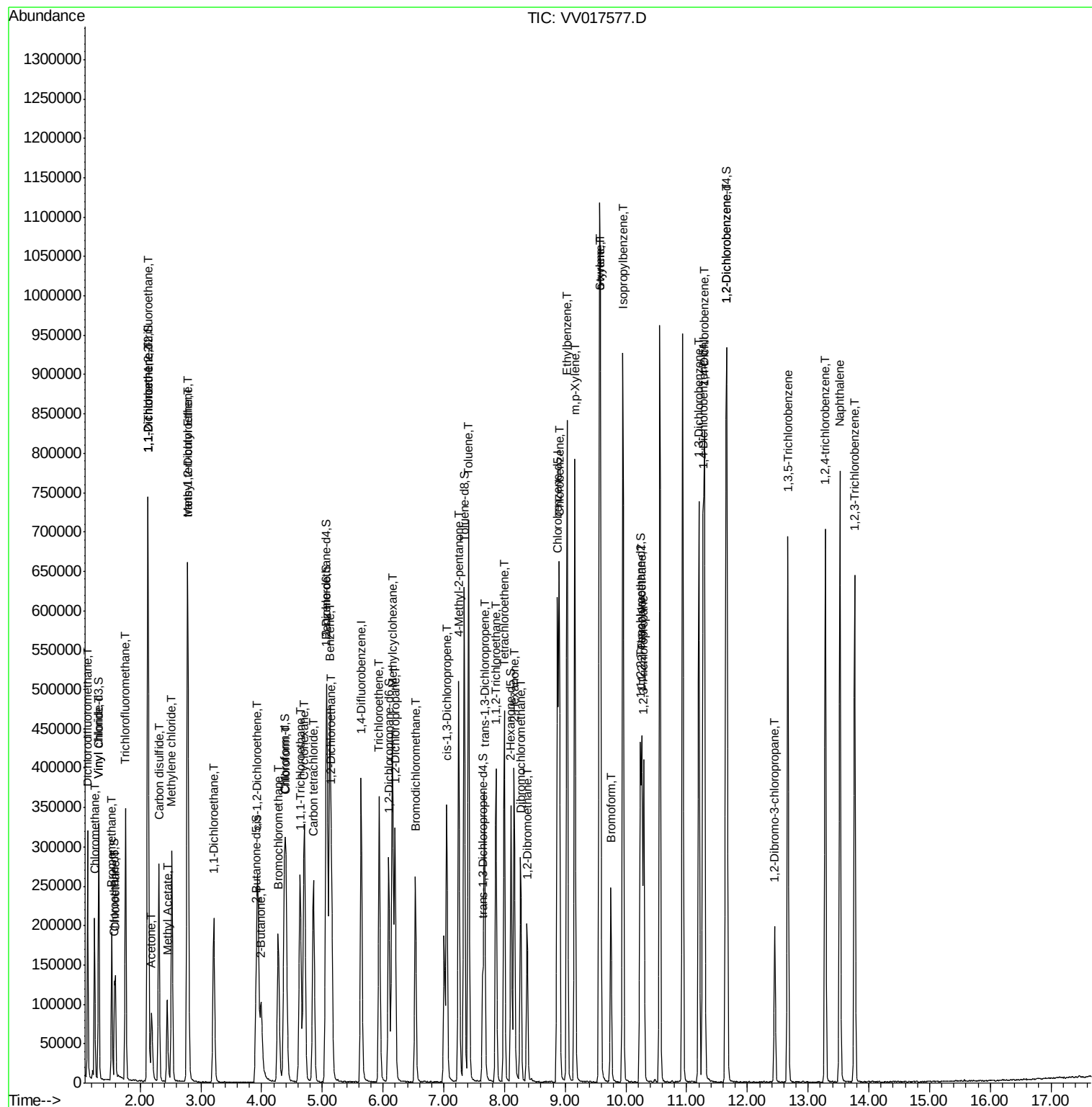
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	66148	48.813	ug/L	97
25) Chloroform	4.40	83	224556	50.358	ug/L	99
27) 1,2-Dichloroethane	5.15	62	192048	50.733	ug/L	100
29) Cyclohexane	4.70	56	175382	47.109	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	210720	49.566	ug/L	99
31) Carbon tetrachloride	4.85	117	187628	48.868	ug/L	98
33) Benzene	5.13	78	449378	49.627	ug/L	100
34) Trichloroethene	5.94	95	123468	49.510	ug/L	98
35) Methylcyclohexane	6.15	83	182628	46.874	ug/L	99
37) 1,2-Dichloropropane	6.20	63	114324	49.363	ug/L	99
38) Bromodichloromethane	6.53	83	172408	50.525	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	197519	50.915	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	324994	101.464	ug/L	99
42) Toluene	7.41	91	494062	49.654	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	195977	50.627	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	117348	50.223	ug/L	98
46) Tetrachloroethene	8.00	164	104569	49.315	ug/L	98
48) 2-Hexanone	8.16	43	248996	97.607	ug/L	100
49) Dibromochloromethane	8.27	129	141414	49.637	ug/L	98
50) 1,2-Dibromoethane	8.37	107	126119	49.635	ug/L	99
51) Chlorobenzene	8.90	112	326743	49.482	ug/L	98
52) Ethylbenzene	9.03	91	563318	50.582	ug/L	100
53) m,p-Xylene	9.16	106	212695	49.847	ug/L	100
54) o-xylene	9.56	106	209208	50.477	ug/L	99
55) Styrene	9.58	104	364503	51.695	ug/L	99
56) Isopropylbenzene	9.95	105	566559	50.428	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	184571	50.075	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	154050	50.560	ug/L	100
61) Bromoform	9.75	173	109938	51.729	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	287750	52.657	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	307021	55.044	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	279509	50.452	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	47477	51.775	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	210792	48.861	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	206586	53.990	ug/L	100
69) Naphthalene	13.52	128	575872	53.759	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	195027	50.956	ug/L	99

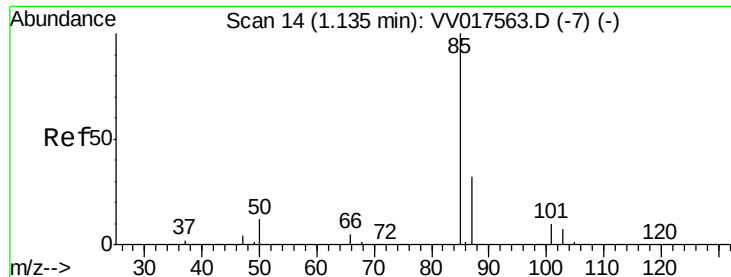
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.034 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

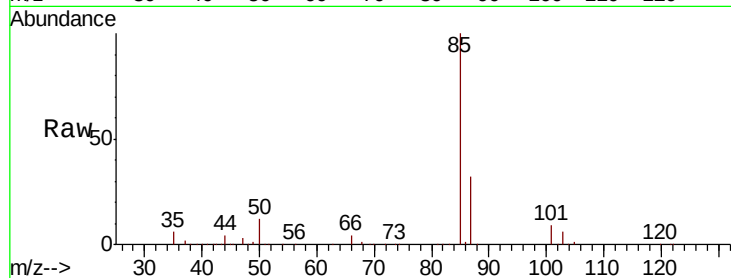
VSTD05086

Tot Ion: 85 Resp: 159714

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



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

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

1.14

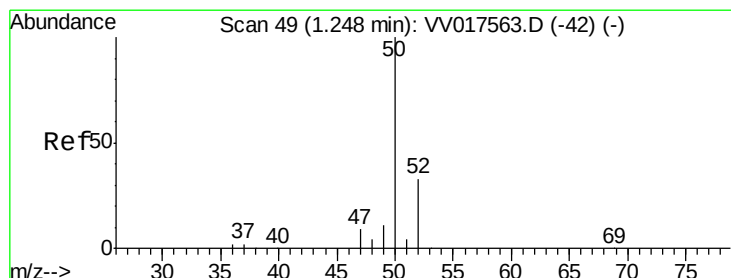
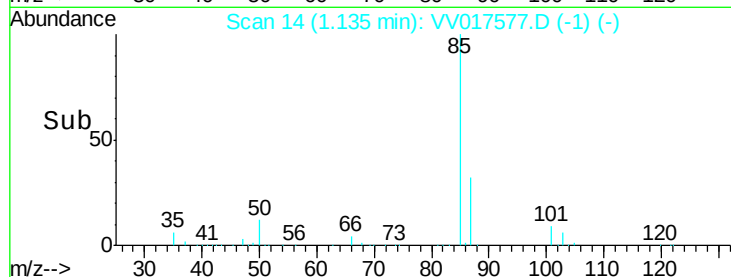
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.926 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017577.D

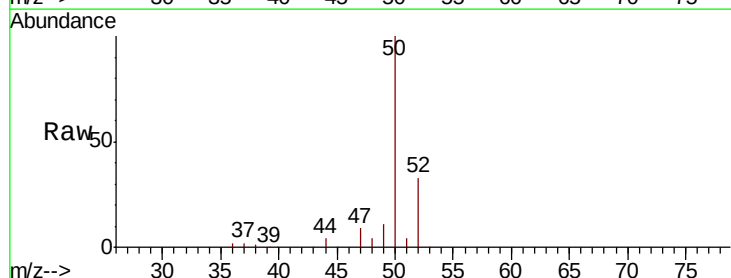
Acq: 21 Jul 2020 20:28

Tgt Ion: 50 Resp: 121374

Ion Ratio Lower Upper

50 100

52 33.5 22.7 42.3



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

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

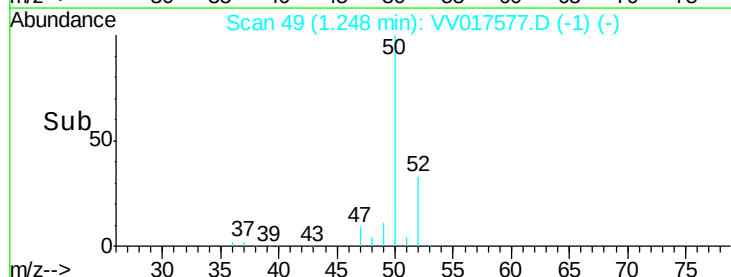
1.25

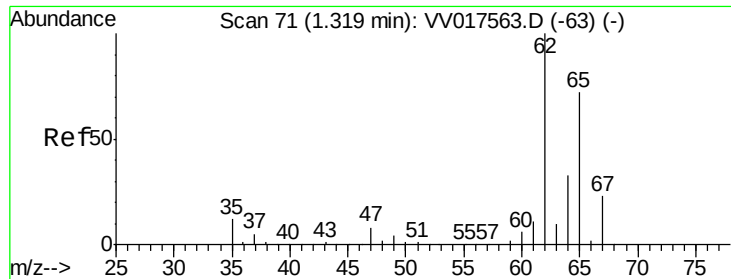
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50000

0

Time-->





#5

Vinyl chloride

Concen: 48.857 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

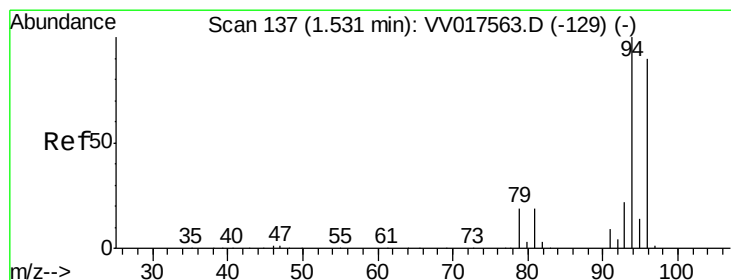
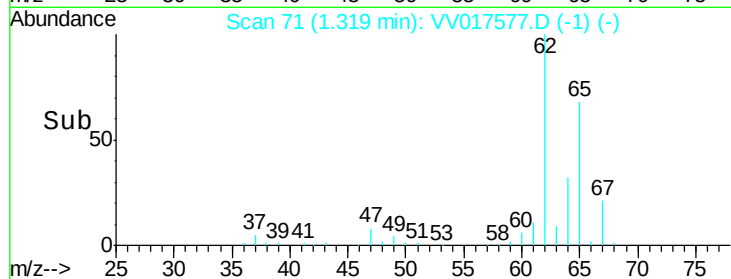
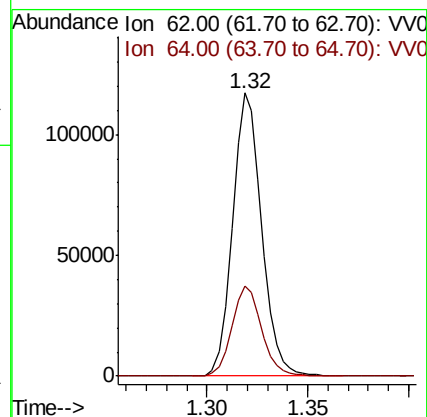
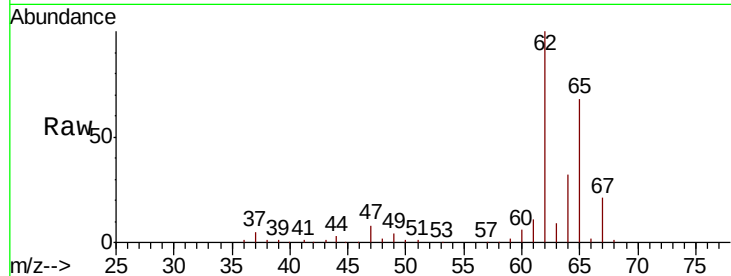
VSTD05086

Tot Ion: 62 Resp: 118198

Ion Ratio Lower Upper

62 100

64 31.9 22.8 42.4



#6

Bromomethane

Concen: 47.356 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017577.D

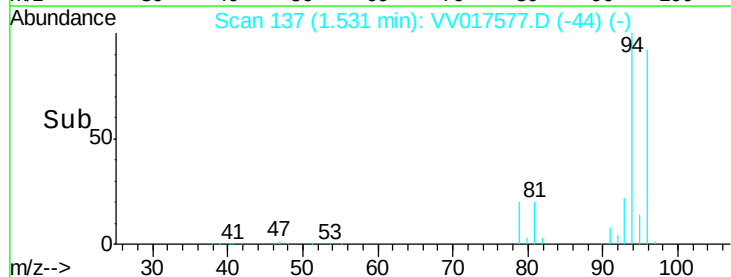
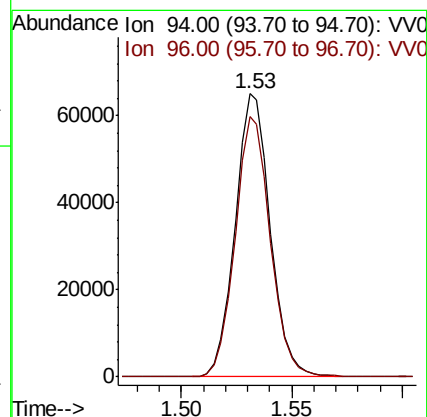
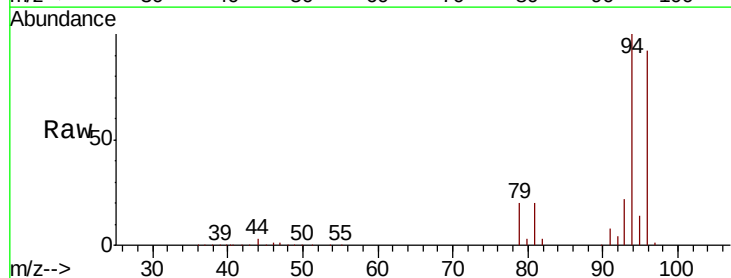
Acq: 21 Jul 2020 20:28

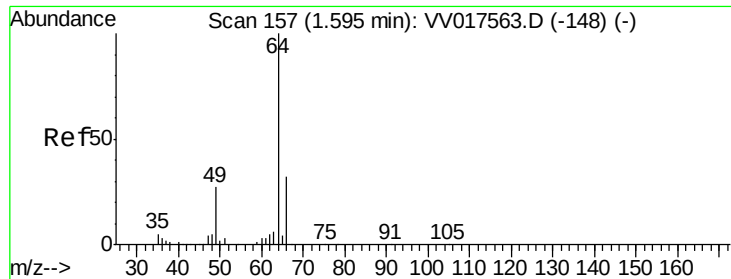
Tgt Ion: 94 Resp: 71756

Ion Ratio Lower Upper

94 100

96 92.1 63.3 117.7

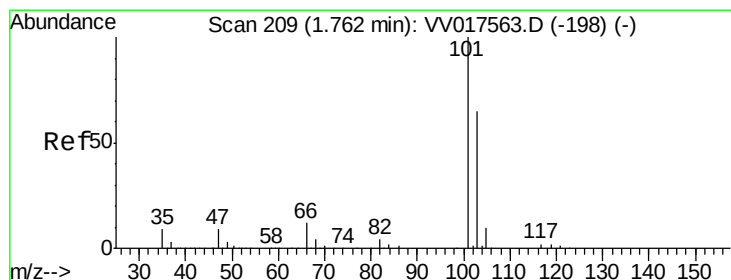
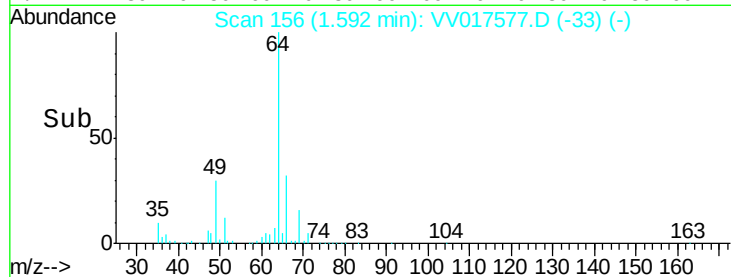
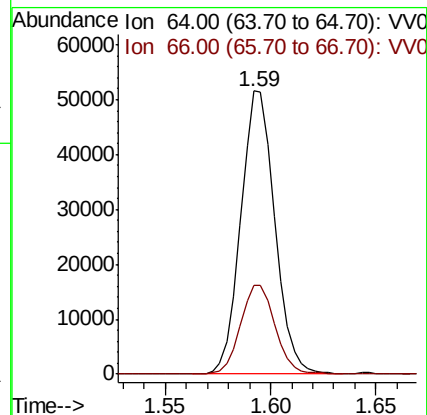
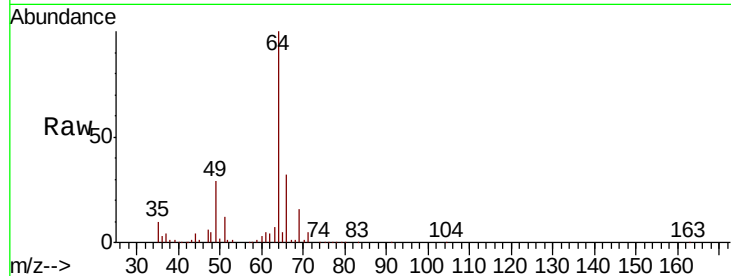




#8
Chloroethane
Concen: 46.574 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

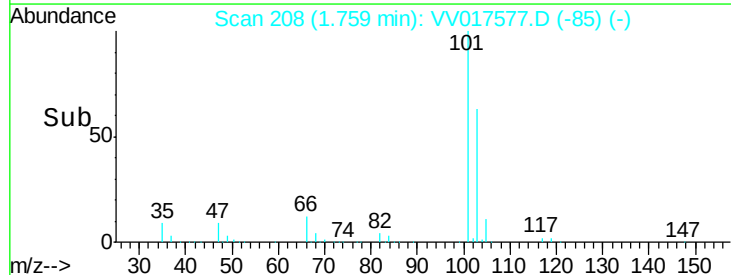
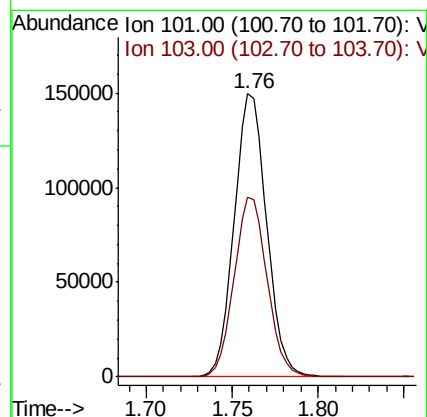
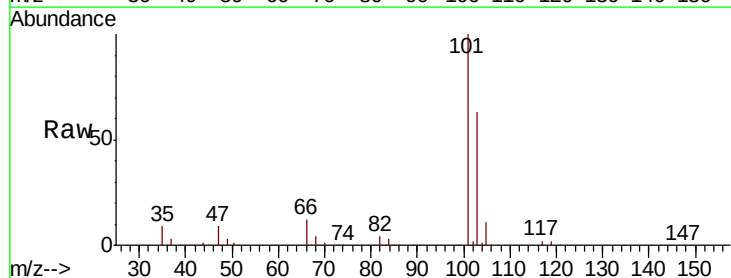
Instrument :
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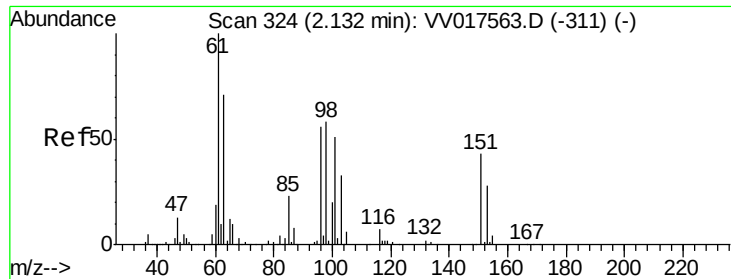
Tot Ion: 64 Resp: 57773
Ion Ratio Lower Upper
64 100
66 31.5 22.1 41.1



#9
Trichlorofluoromethane
Concen: 48.990 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 101 Resp: 196384
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6





#10

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

Concen: 47.398 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

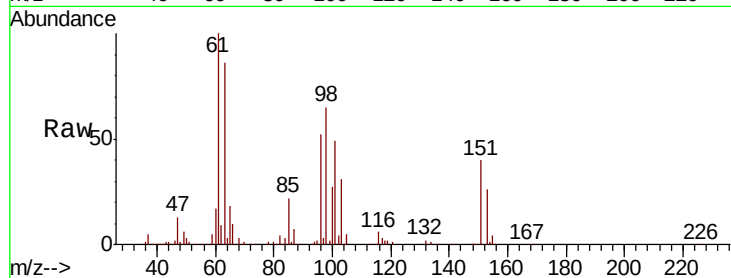
Tot Ion:101 Resp: 93828

Ion Ratio Lower Upper

101 100

85 43.8 35.1 52.7

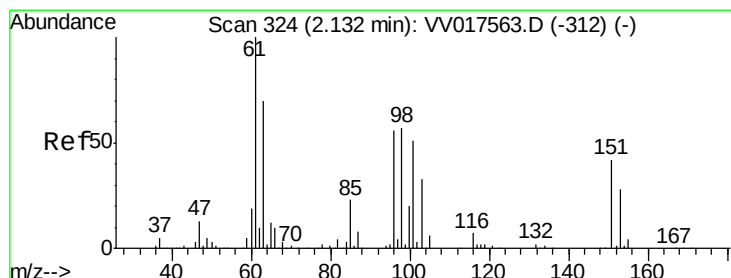
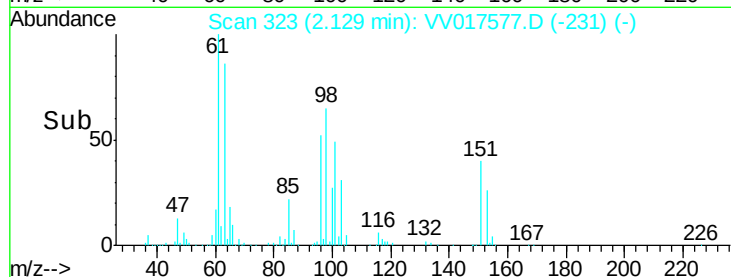
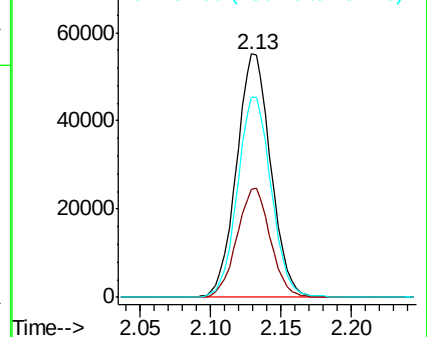
151 81.0 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.258 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

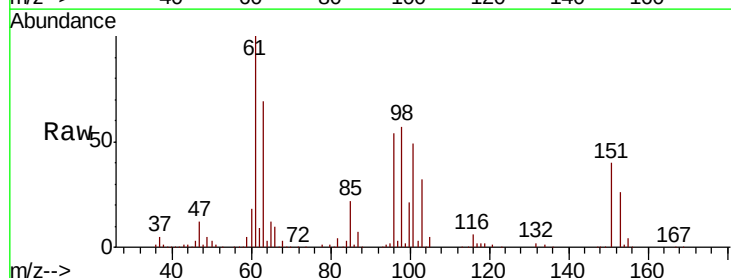
Tgt Ion: 96 Resp: 88531

Ion Ratio Lower Upper

96 100

61 184.3 124.5 231.3

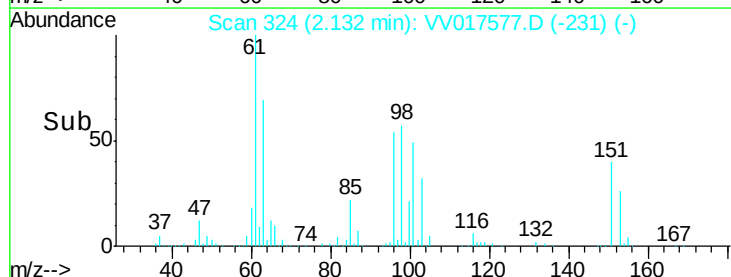
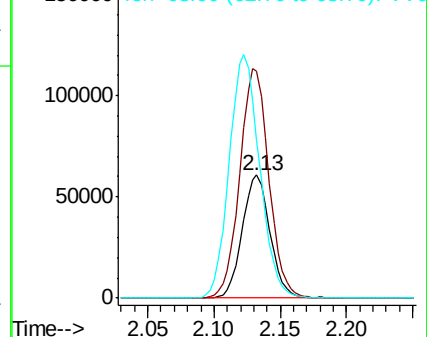
63 128.1 89.0 165.4

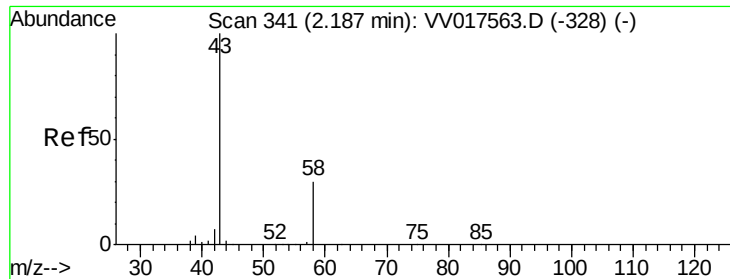


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 82.040 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

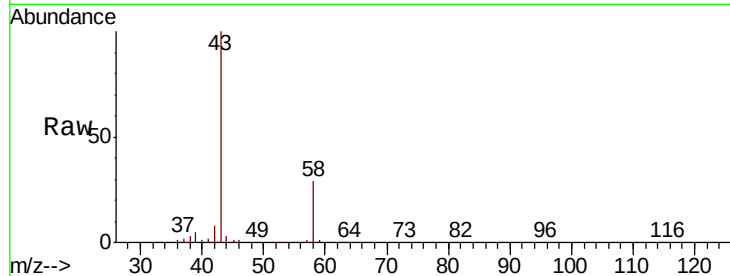
Instrument :
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Tot Ion: 43 Resp: 111093

Ion Ratio Lower Upper

43 100

58 30.2 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV017563.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017563.D (-328) (-)

2.19

60000

50000

40000

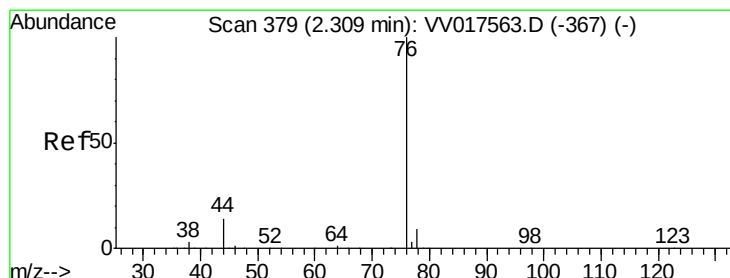
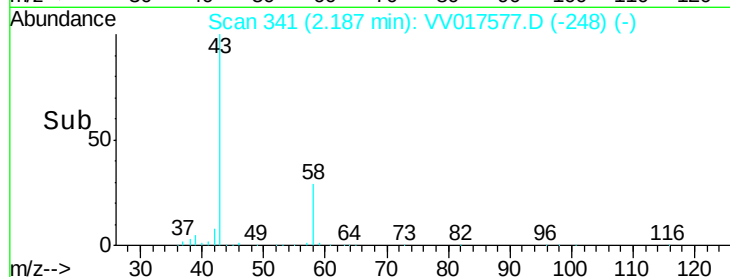
30000

20000

10000

0

Time-->



#14

Carbon disulfide

Concen: 46.662 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017577.D

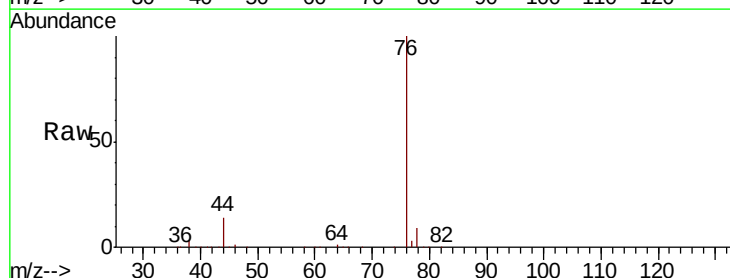
Acq: 21 Jul 2020 20:28

Tgt Ion: 76 Resp: 310246

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV017563.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017563.D (-367) (-)

2.31

250000

200000

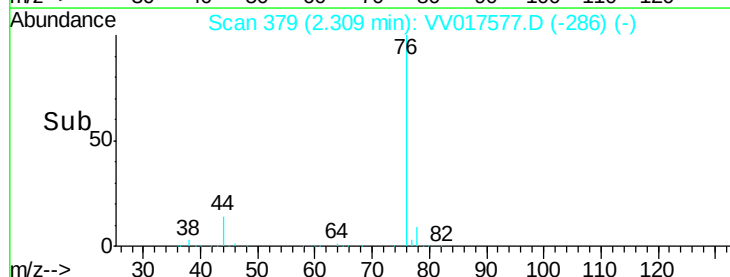
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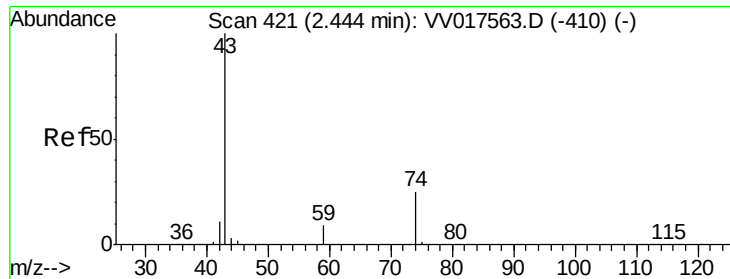
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Time-->

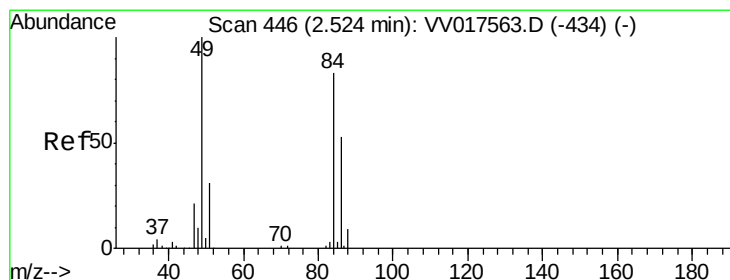
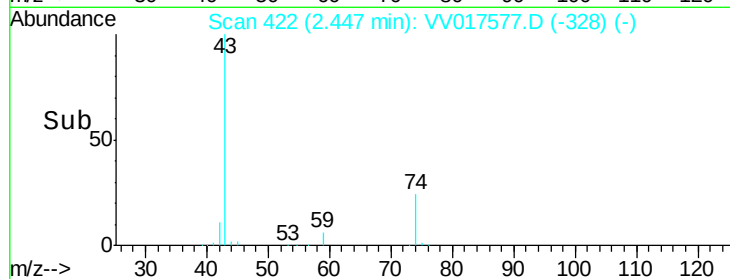
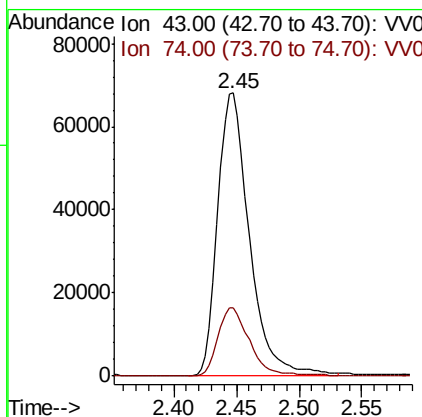
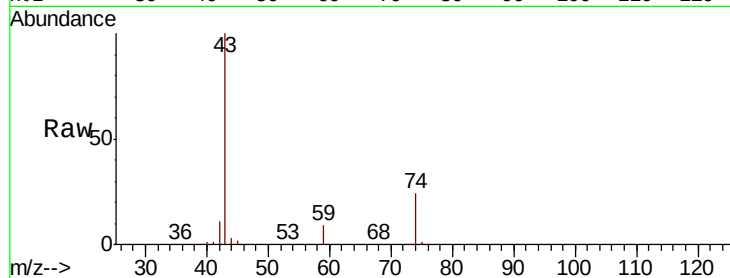




#15
Methvl Acetate
Concen: 51.580 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

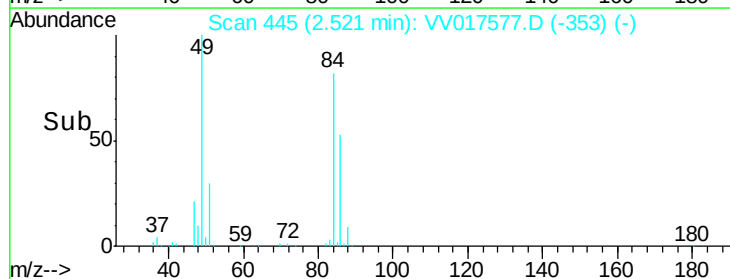
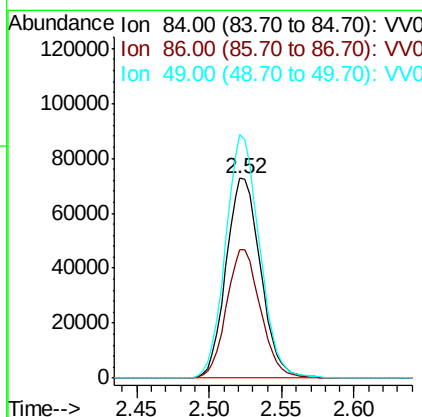
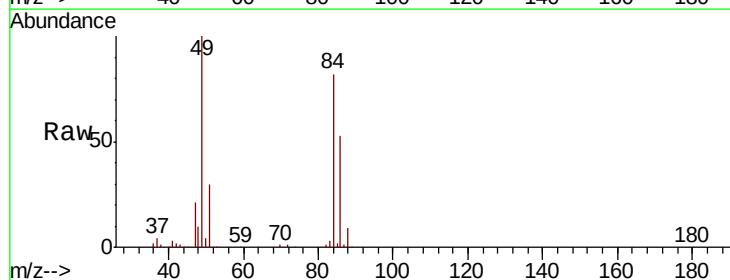
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

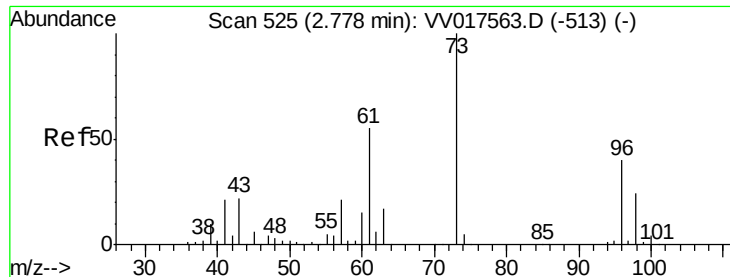
Tot Ion: 43 Resp: 119067
Ion Ratio Lower Upper
43 100
74 24.3 19.5 29.3



#16
Methylene chloride
Concen: 49.577 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 84 Resp: 120327
Ion Ratio Lower Upper
84 100
86 64.2 44.5 82.7
49 122.0 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 48.848 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

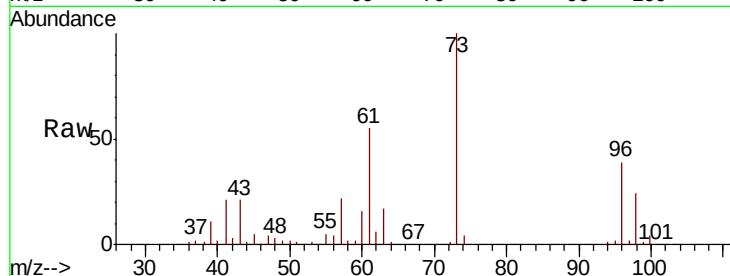
Tot Ion: 96 Resp: 112154

Ion Ratio Lower Upper

96 100

61 139.8 97.0 180.2

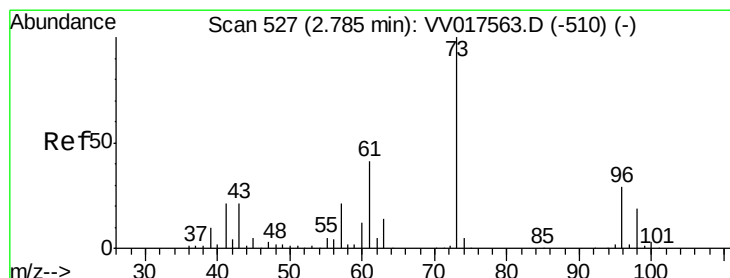
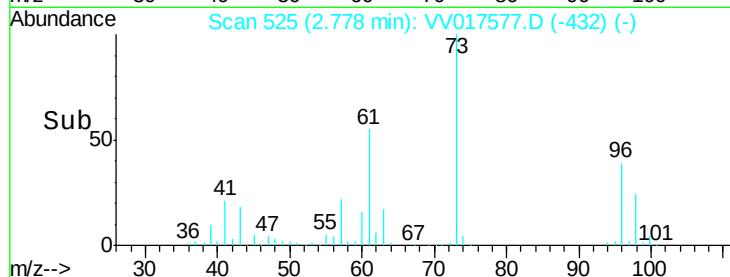
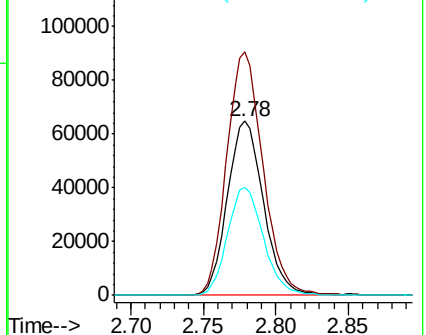
98 62.1 42.6 79.0



Abundance Ion 96.00 (95.70 to 96.70): VV017577.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV017577.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV017577.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 49.666 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

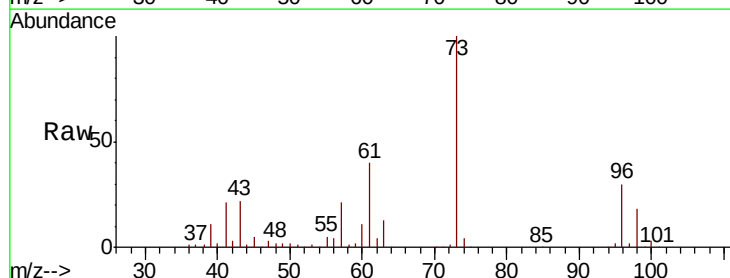
Tgt Ion: 73 Resp: 381134

Ion Ratio Lower Upper

73 100

43 21.7 17.3 25.9

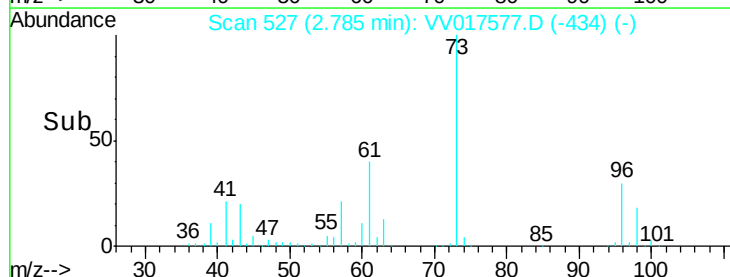
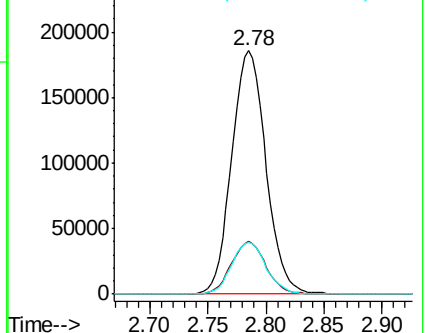
57 21.6 16.8 25.2

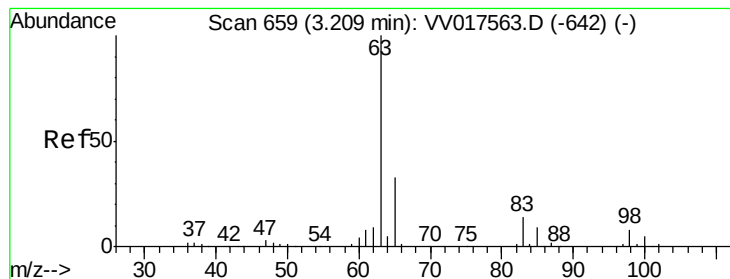


Abundance Ion 73.00 (72.70 to 73.70): VV017577.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV017577.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV017577.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 49.584 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

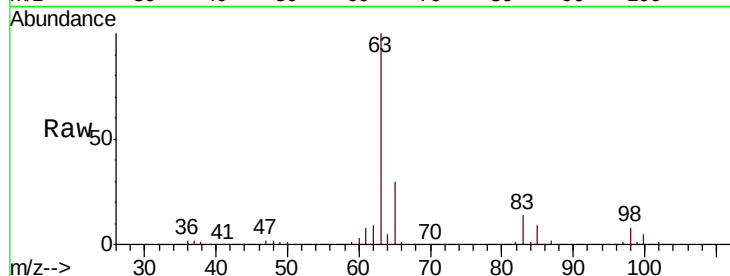
Tot Ion: 63 Resp: 205133

Ion Ratio Lower Upper

63 100

65 30.5 23.0 42.8

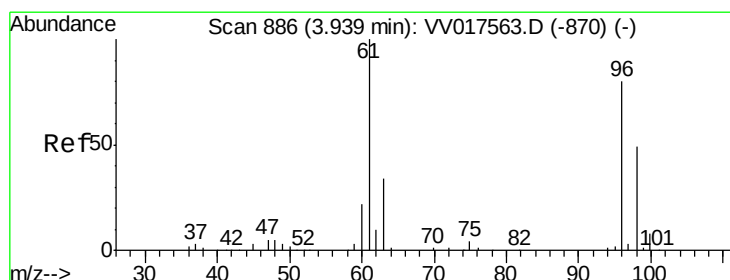
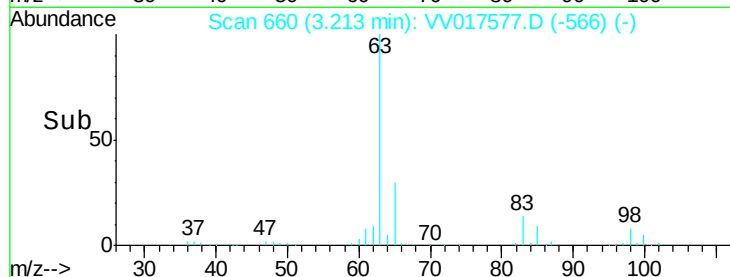
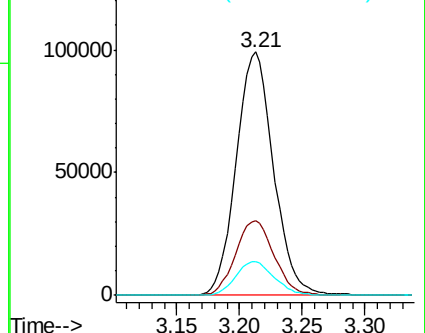
83 13.9 9.9 18.5



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: 49.191 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

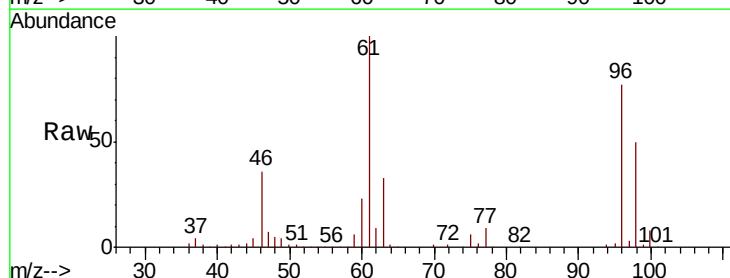
Tgt Ion: 96 Resp: 121277

Ion Ratio Lower Upper

96 100

61 130.1 87.8 163.2

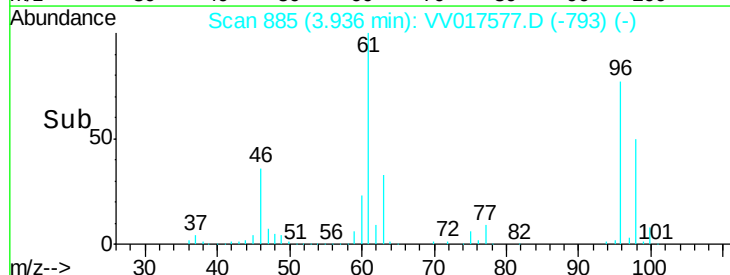
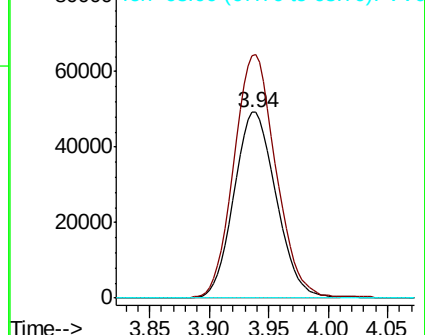
68 0.0 0.0 0.0

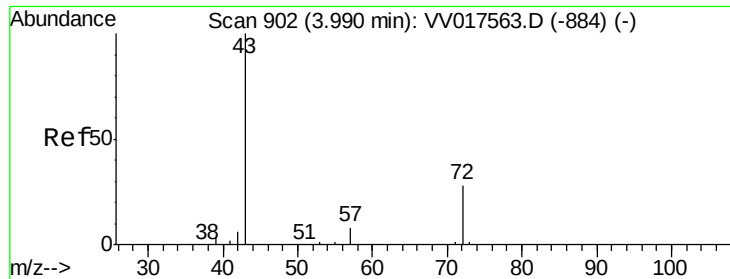


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 98.617 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

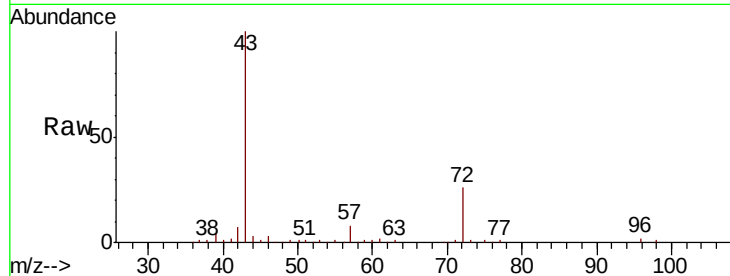
VSTD05086

Tot Ion: 43 Resp: 165862

Ion Ratio Lower Upper

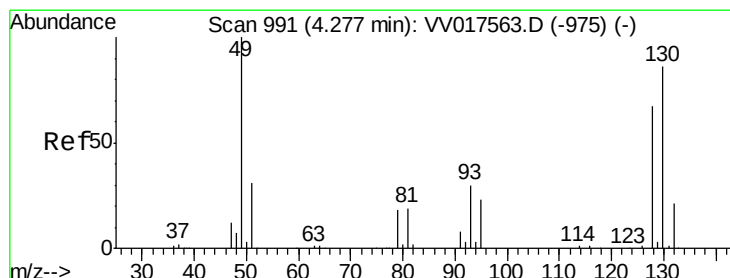
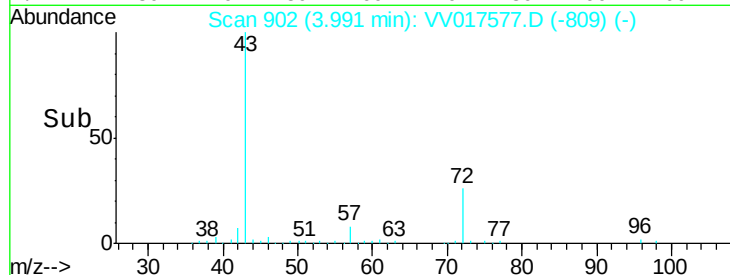
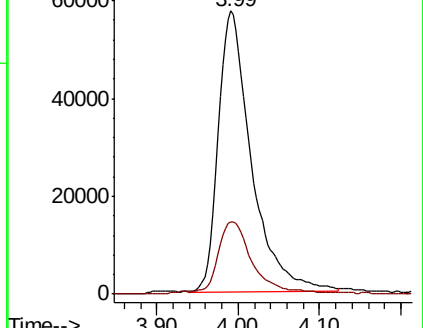
43 100

72 24.4 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017577.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV017577.D (-809) (-)



#23

Bromochloromethane

Concen: 48.813 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Tgt Ion: 128 Resp: 66148

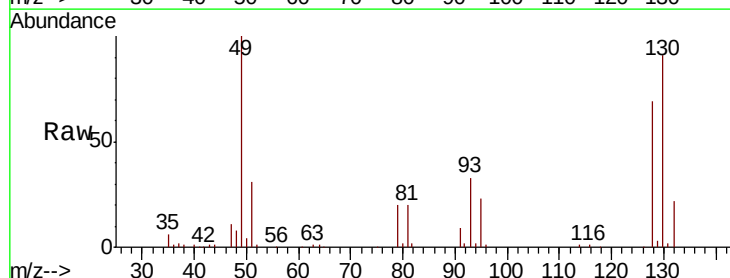
Ion Ratio Lower Upper

128 100

49 144.2 103.7 192.7

130 131.1 89.4 166.0

51 45.0 36.9 55.3

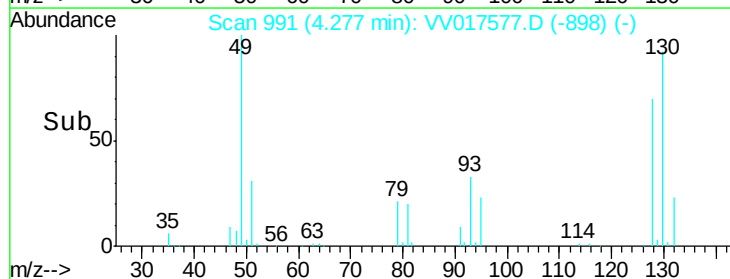
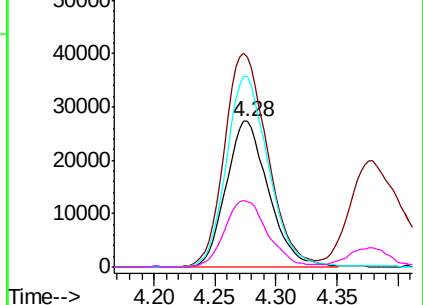


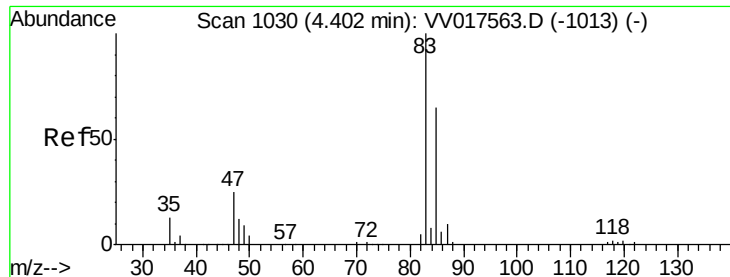
Abundance Ion 128.00 (127.70 to 128.70): VV017577.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV017577.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV017577.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV017577.D (-898) (-)

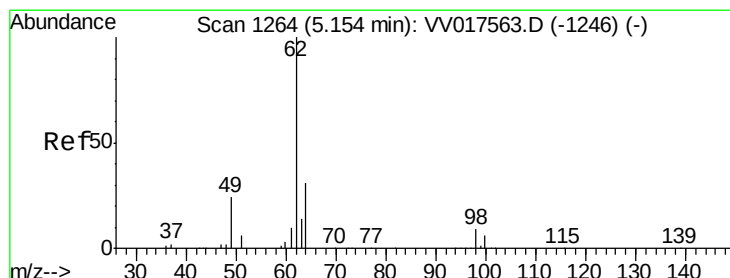
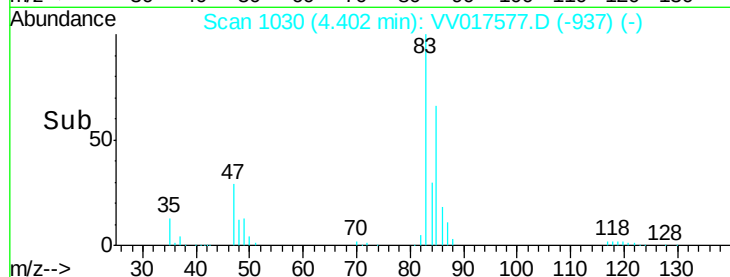
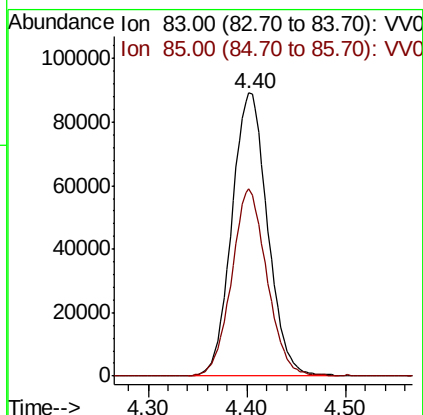
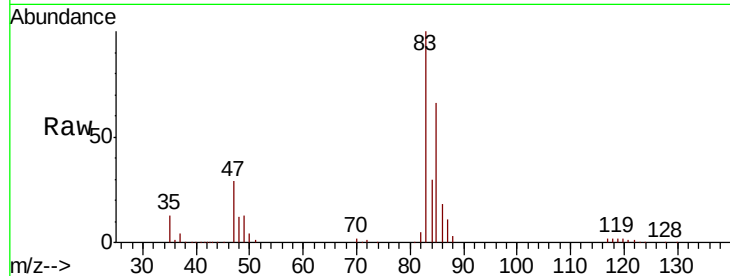




#25
Chloroform
Concen: 50.358 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

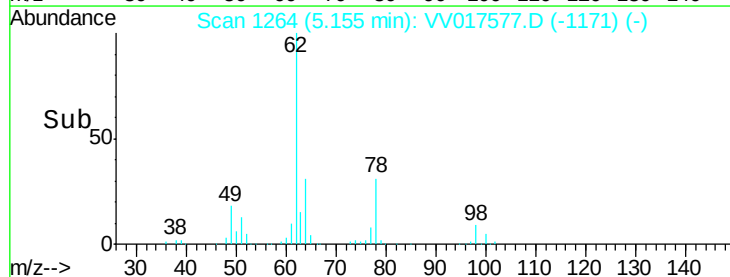
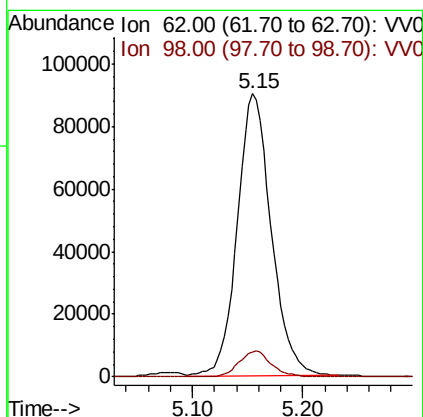
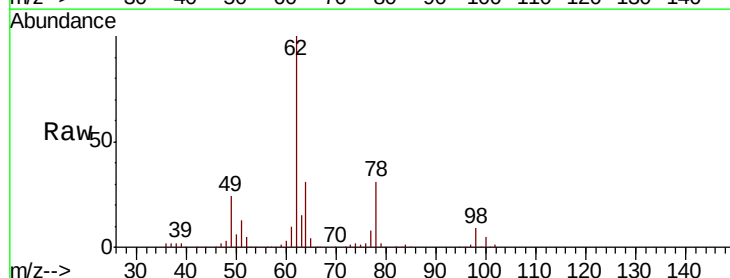
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

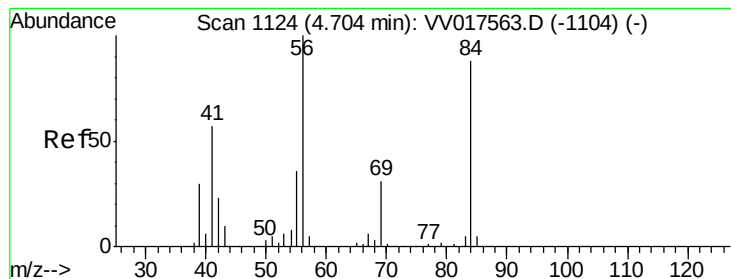
Tot Ion: 83 Resp: 224556
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 50.733 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 62 Resp: 192048
Ion Ratio Lower Upper
62 100
98 8.8 7.1 10.7





#29

Cyclohexane

Concen: 47.109 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

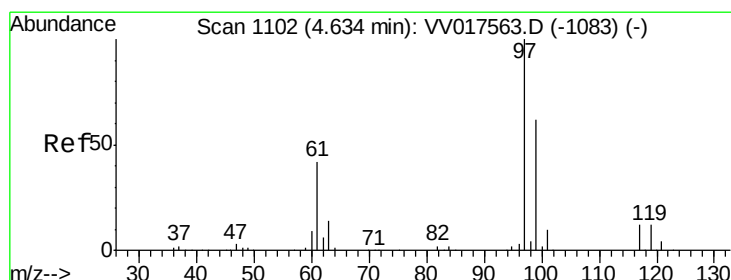
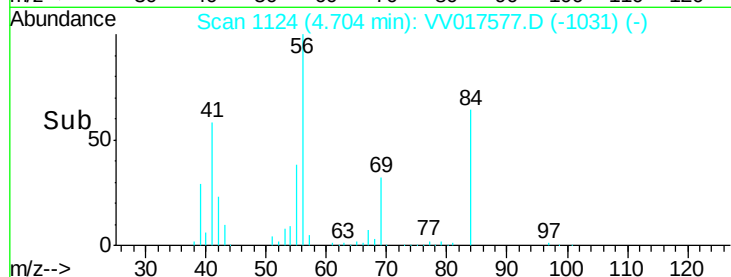
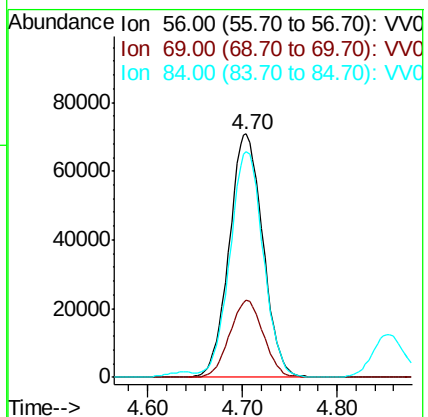
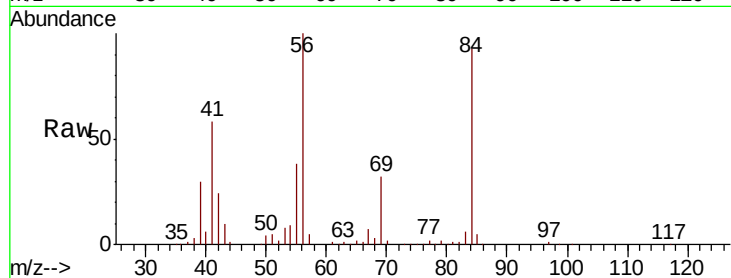
Tot Ion: 56 Resp: 175382

Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.2

84 92.3 70.6 105.8



#30

1,1,1-Trichloroethane

Concen: 49.566 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

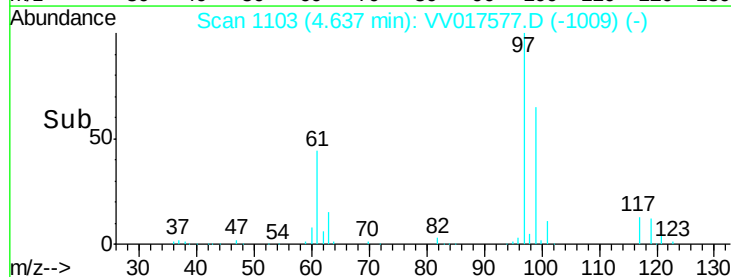
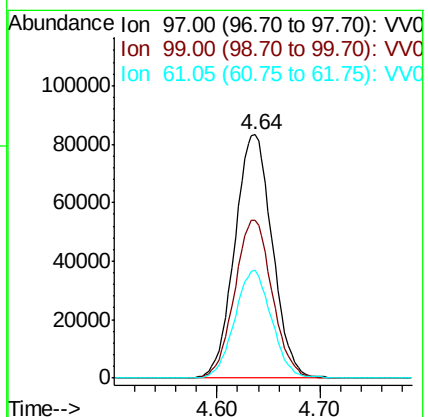
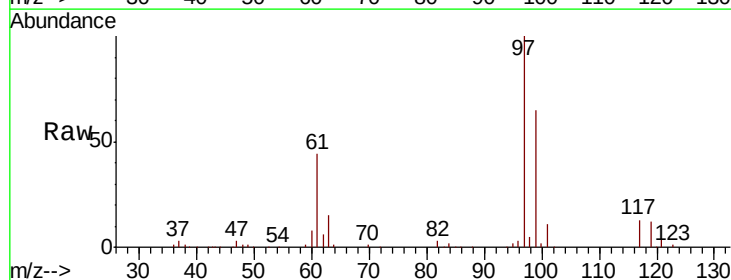
Tgt Ion: 97 Resp: 210720

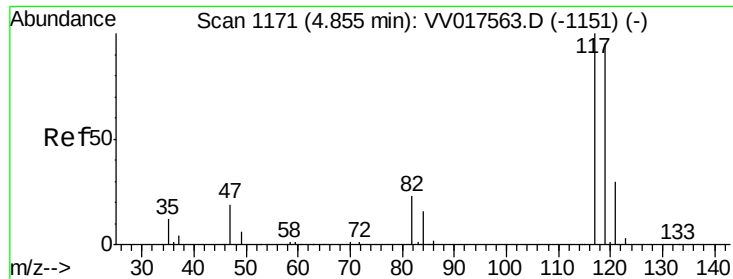
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.4

61 43.3 34.1 51.1





#31

Carbon tetrachloride

Concen: 48.868 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

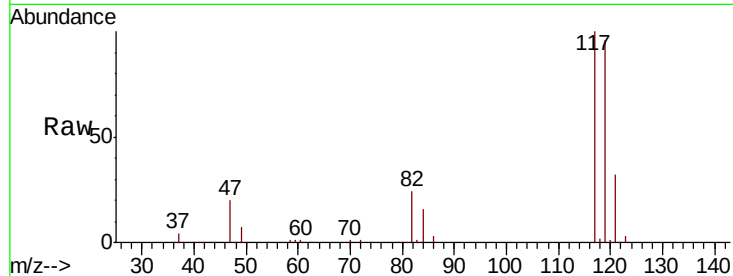
VSTD05086

Tot Ion:117 Resp: 187628

Ion Ratio Lower Upper

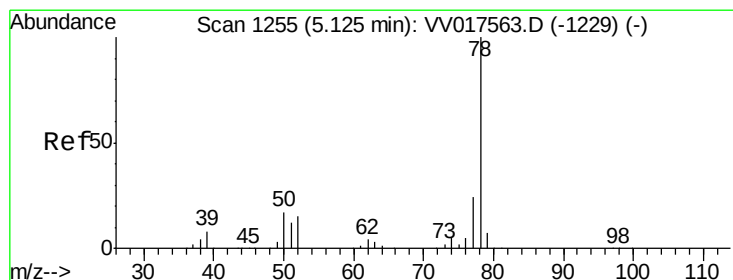
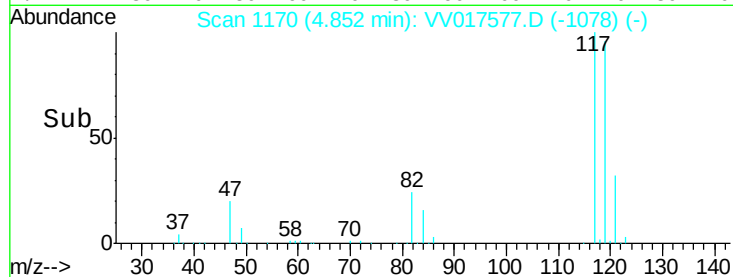
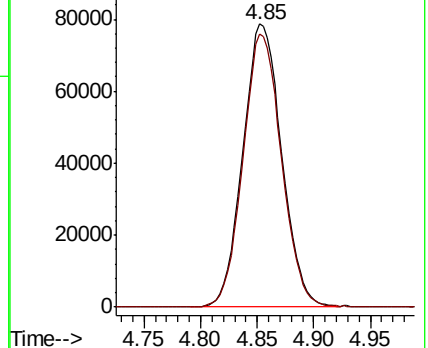
117 100

119 95.6 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: 49.627 ug/L

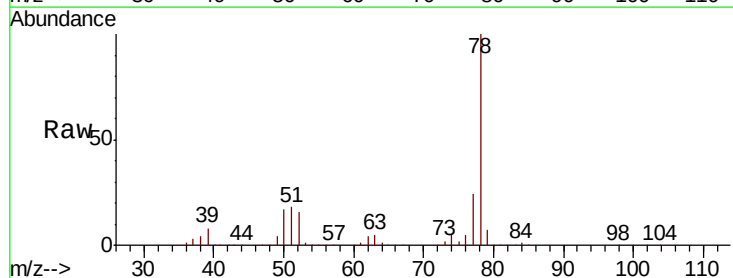
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

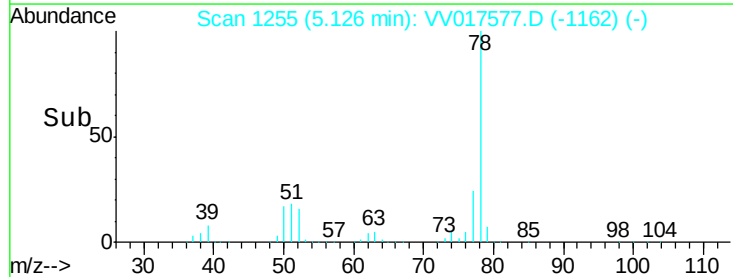
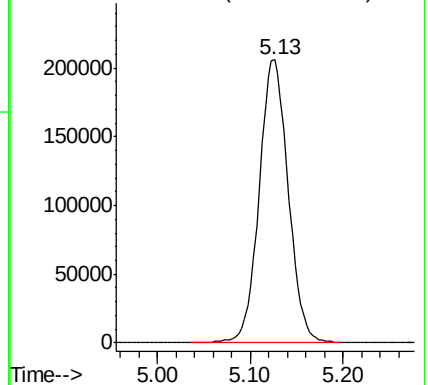
Lab File: VV017577.D

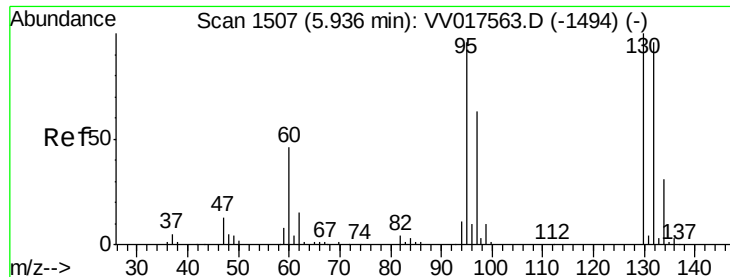
Acq: 21 Jul 2020 20:28

Tgt Ion: 78 Resp: 449378



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.510 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tot Ion: 95 Resp: 123468

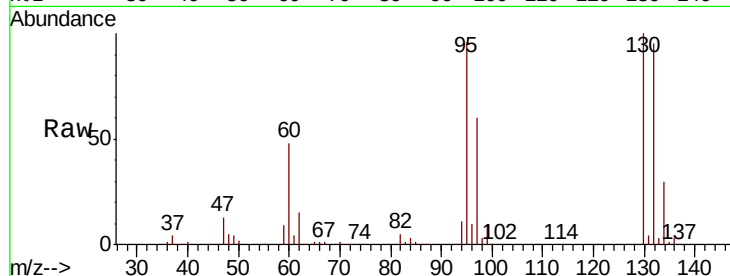
Ion Ratio Lower Upper

95 100

97 62.1 45.8 85.2

132 98.0 70.3 130.5

130 103.7 72.9 135.3

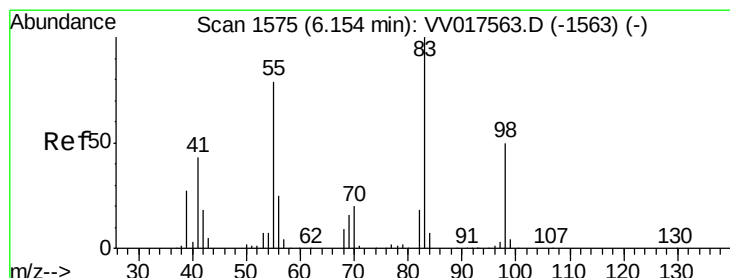
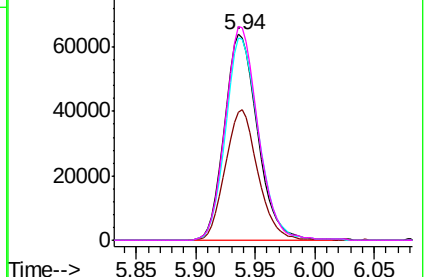
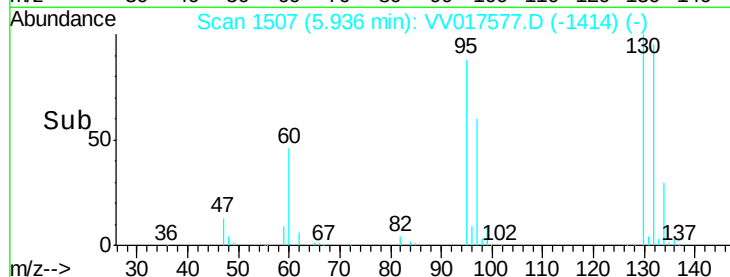


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.874 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

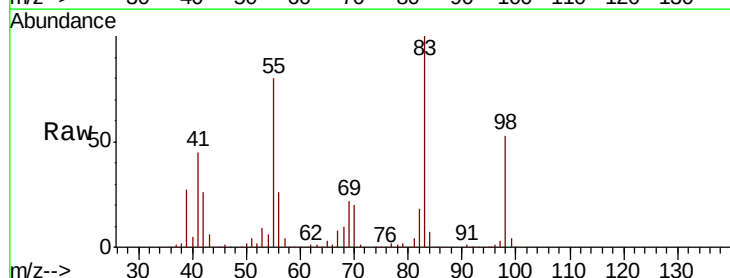
Tgt Ion: 83 Resp: 182628

Ion Ratio Lower Upper

83 100

55 77.0 61.7 92.5

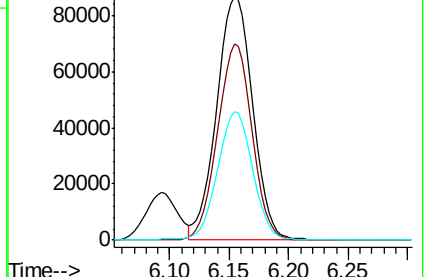
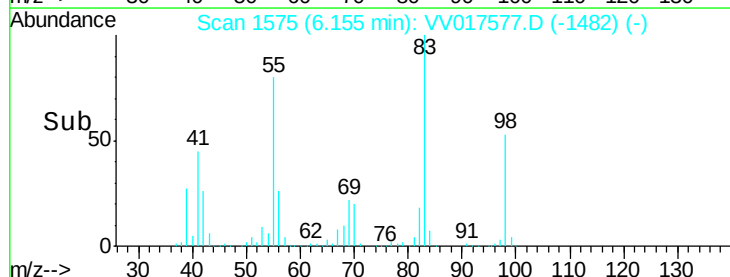
98 50.8 39.3 58.9

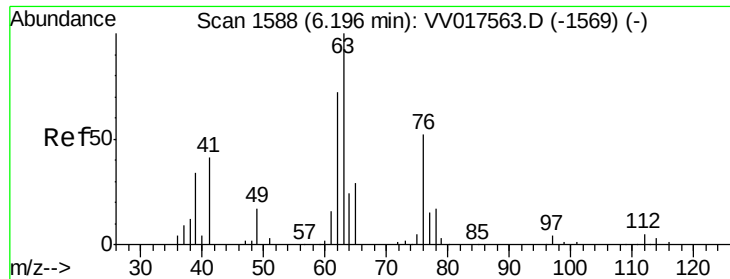


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

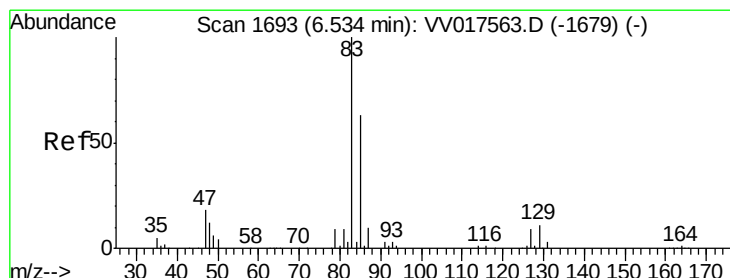
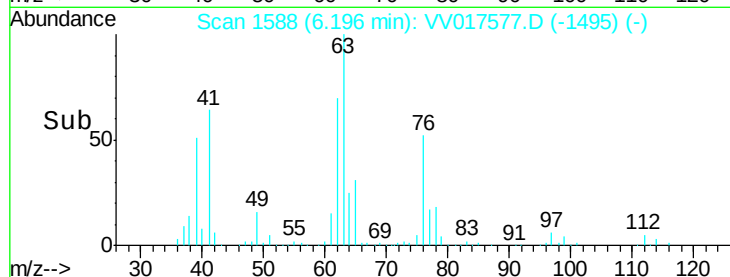
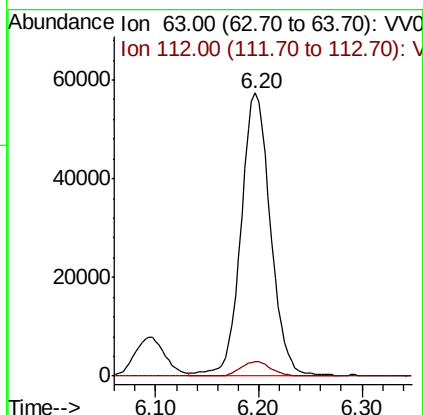
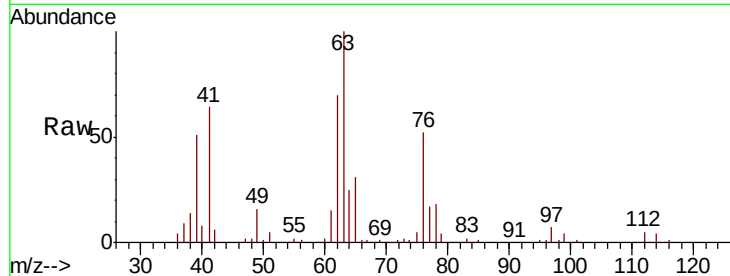




#37
 1,2-Dichloropropane
 Concen: 49.363 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

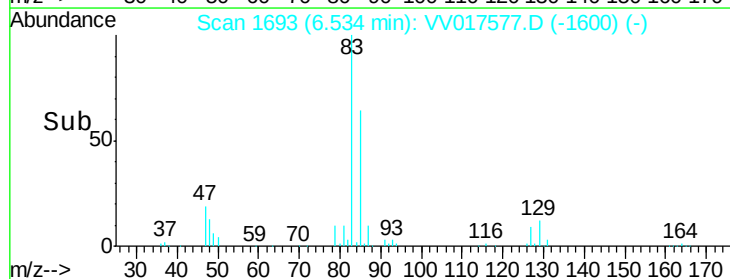
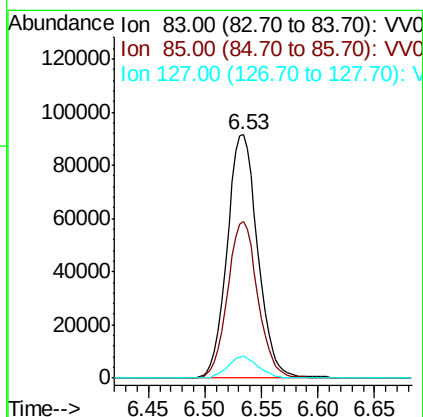
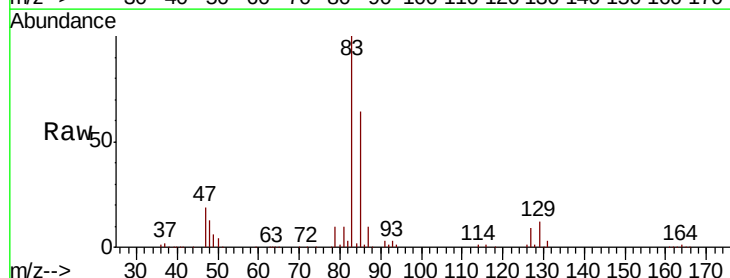
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

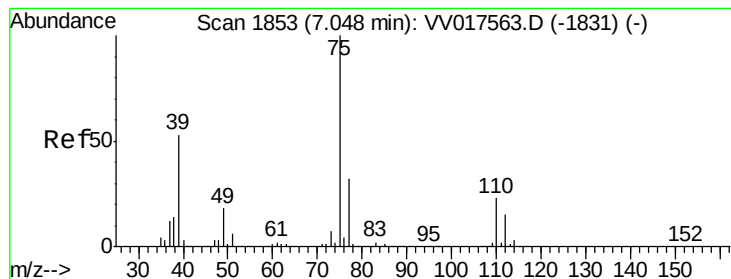
Tot Ion: 63 Resp: 114324
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.8 5.8



#38
 Bromodichloromethane
 Concen: 50.525 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 83 Resp: 172408
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.4 82.4
 127 8.9 7.4 11.2



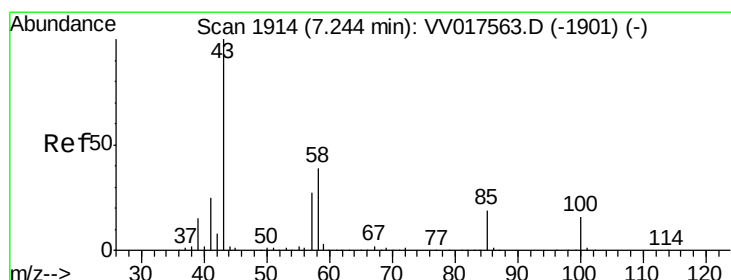
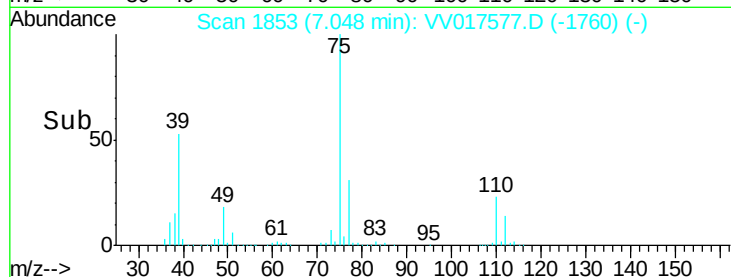
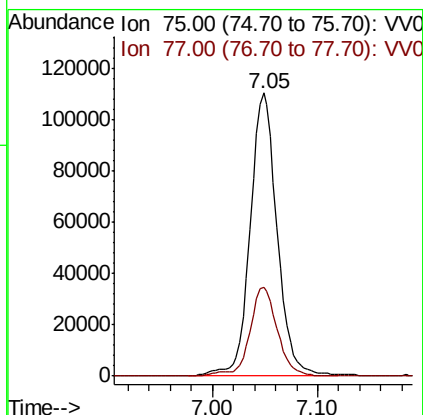
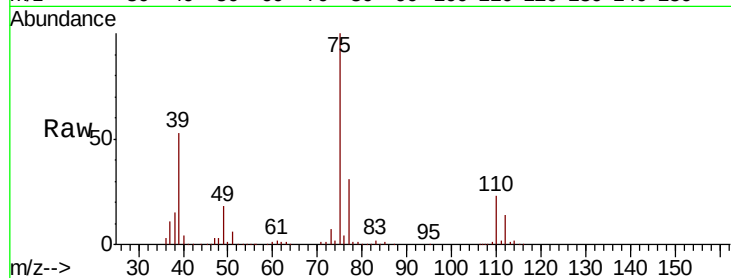


#39

cis-1,3-Dichloropropene
 Concen: 50.915 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

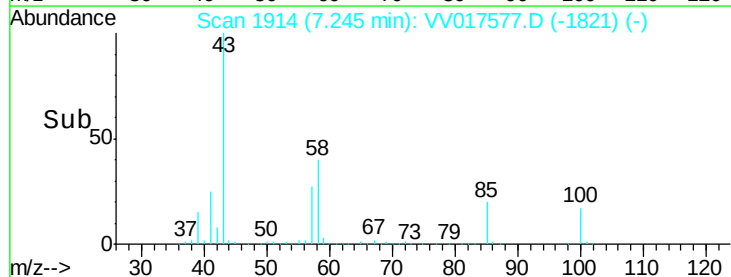
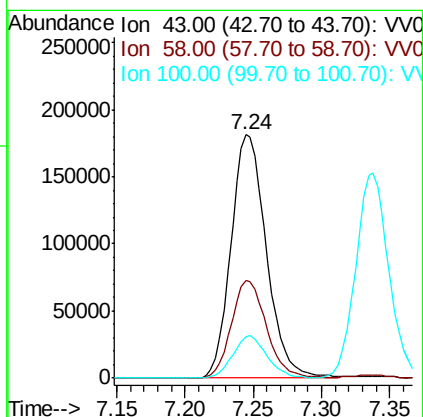
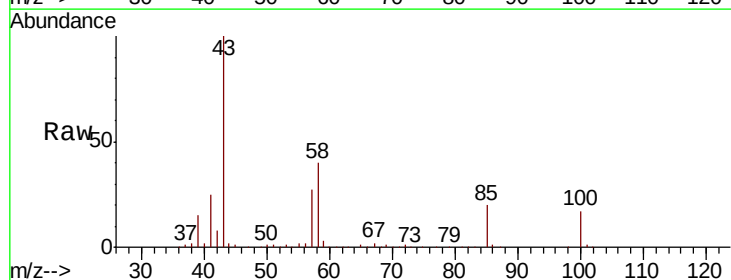
Tot Ion: 75 Resp: 197519
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2

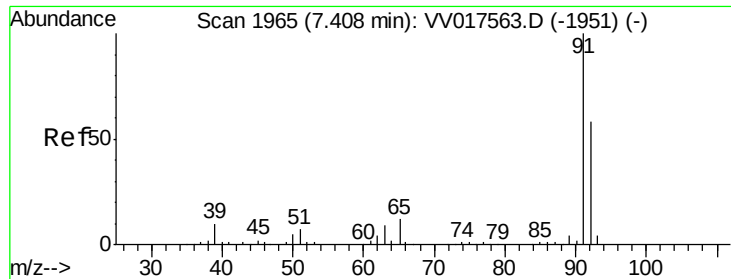


#40

4-Methyl-2-pentanone
 Concen: 101.464 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 43 Resp: 324994
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.5 47.3
 100 17.0 13.3 19.9





#42

Toluene

Concen: 49.654 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

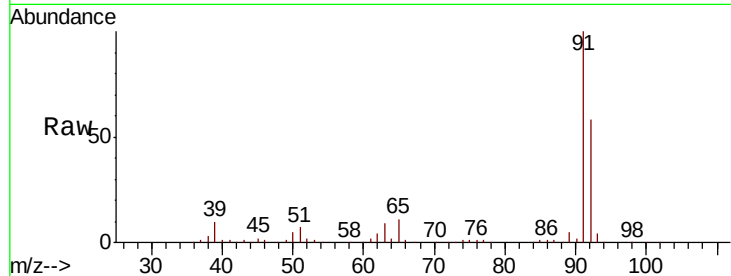
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion: 91 Resp: 494062

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV017563.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017563.D (-1951) (-)

7.41

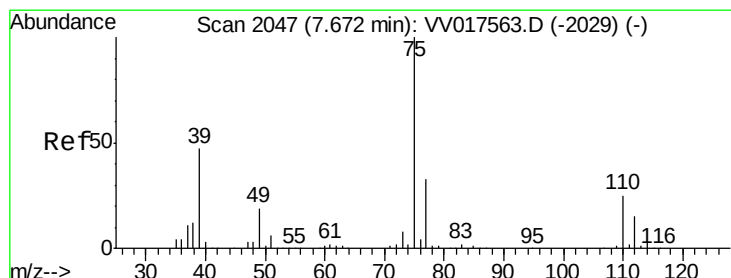
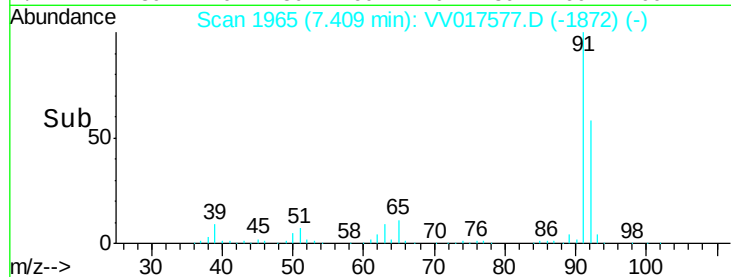
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 50.627 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017577.D

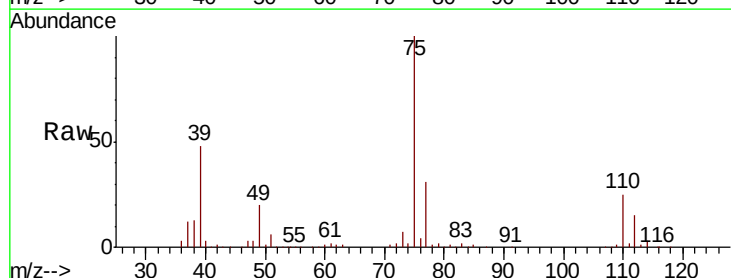
Acq: 21 Jul 2020 20:28

Tgt Ion: 75 Resp: 195977

Ion Ratio Lower Upper

75 100

77 30.9 23.0 42.8



Abundance Ion 75.00 (74.70 to 75.70): VV017563.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV017563.D (-2029) (-)

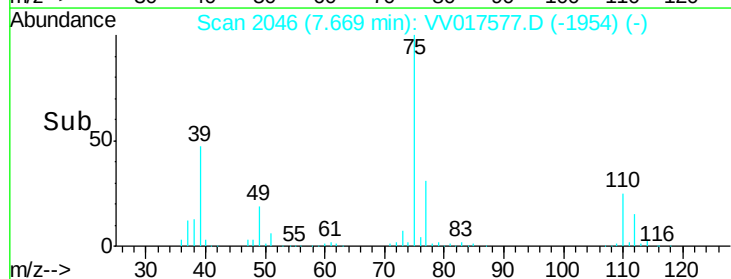
7.67

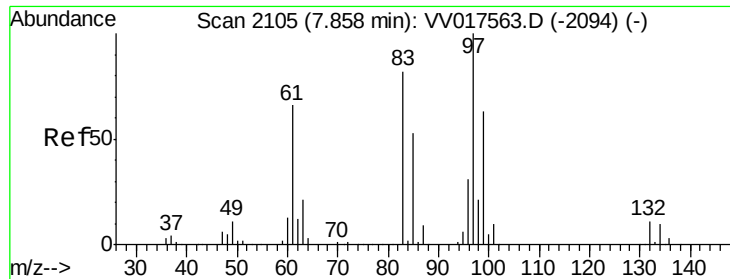
100000

50000

0

Time--> 7.60 7.70 7.80

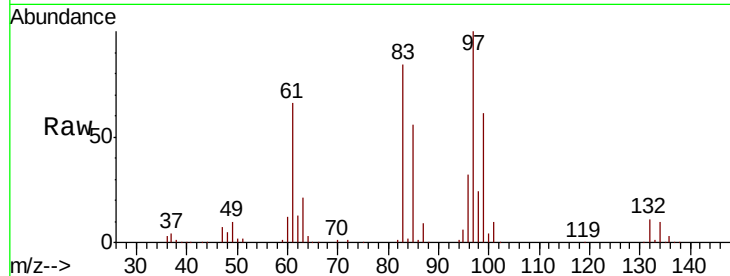




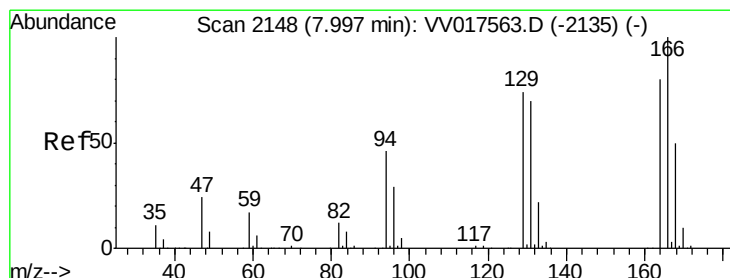
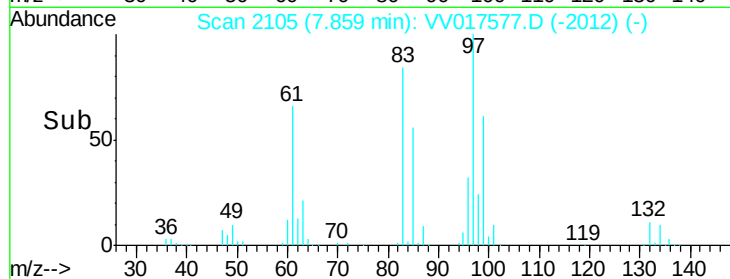
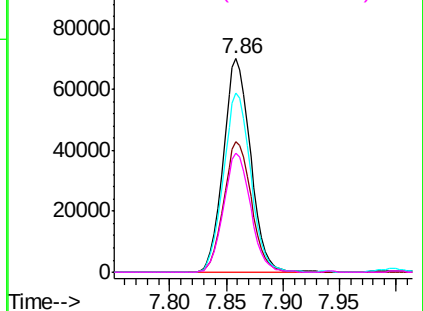
#45
 1,1,2-Trichloroethane
 Concen: 50.223 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion:	97	Resp:	117348
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.2	82.0
83	84.2	57.9	107.5
85	55.8	37.5	69.7

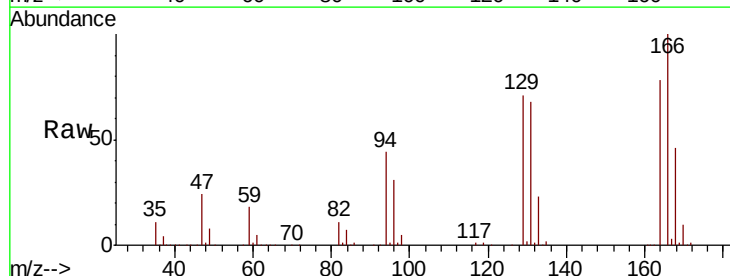


Abundance Ion 97.00 (96.70 to 97.70): VV017563.D (-2094) (-)

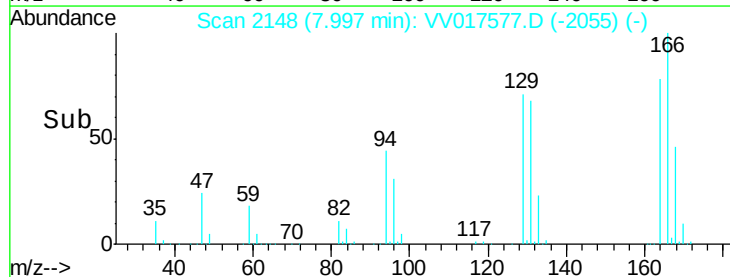
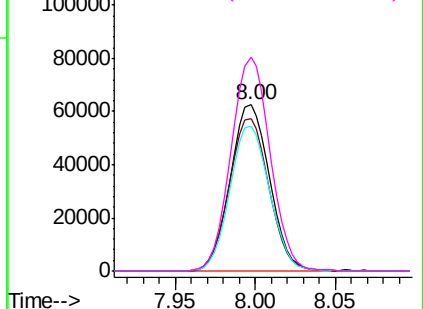


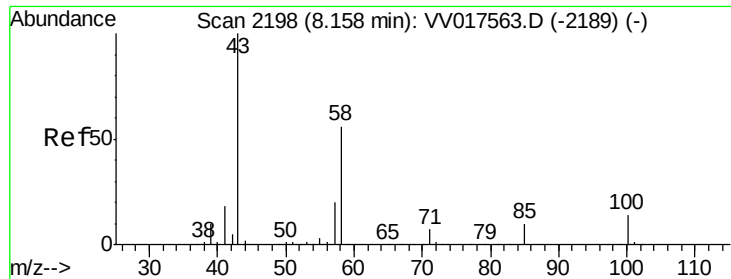
#46
 Tetrachloroethene
 Concen: 49.315 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion:	164	Resp:	104569
Ion	Ratio	Lower	Upper
164	100		
129	91.9	64.3	119.5
131	87.3	61.5	114.1
166	128.6	87.2	162.0



Abundance Ion 164.00 (163.70 to 164.70): VV017563.D (-2135) (-)

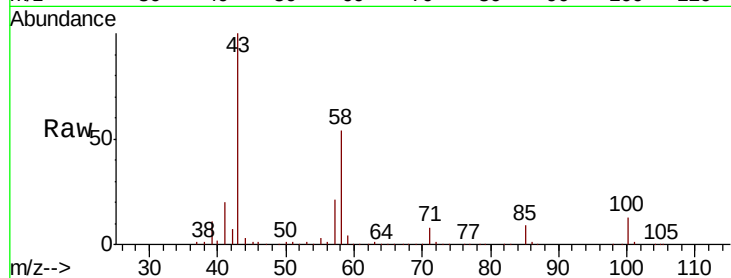




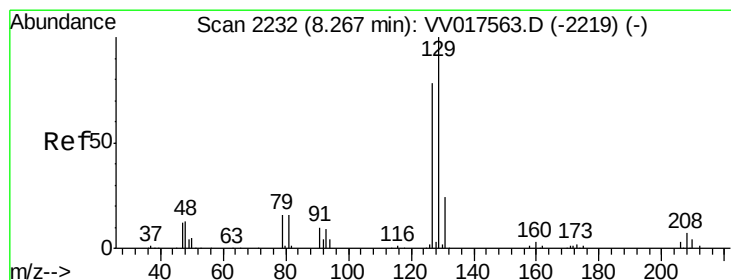
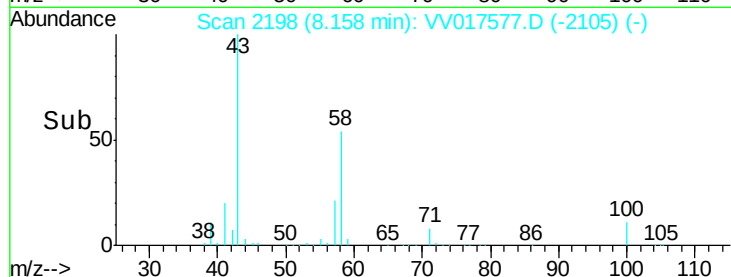
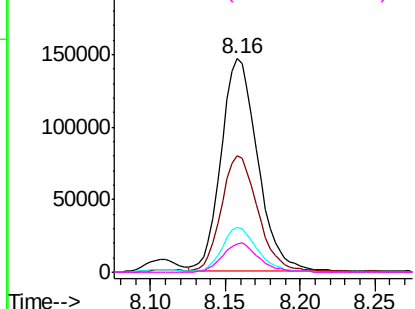
#48
2-Hexanone
Concen: 97.607 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tot Ion: 43 Resp: 248996
Ion Ratio Lower Upper
43 100
58 55.5 44.3 66.5
57 20.4 16.9 25.3
100 13.8 11.0 16.4

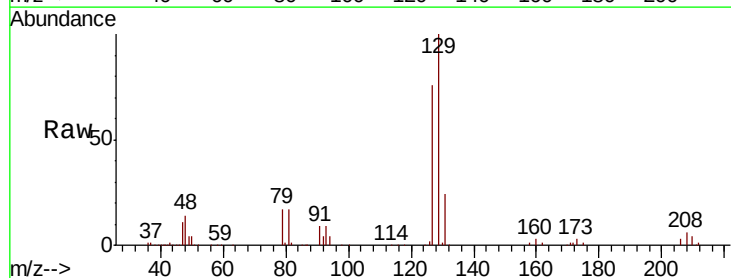


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

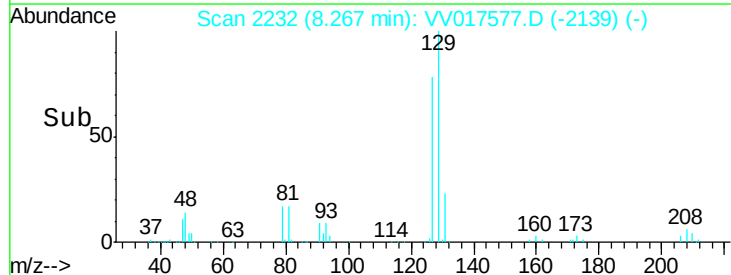
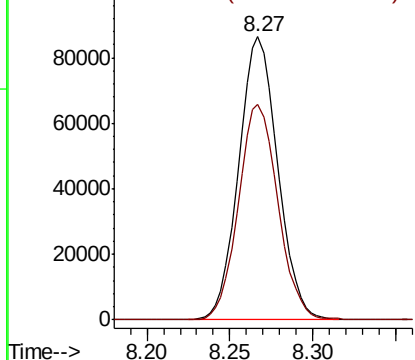


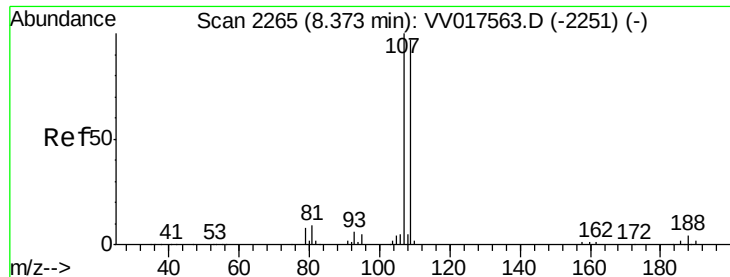
#49
Dibromochloromethane
Concen: 49.637 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017577.D
Acq: 21 Jul 2020 20:28

Tgt Ion: 129 Resp: 141414
Ion Ratio Lower Upper
129 100
127 76.3 54.3 100.9



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

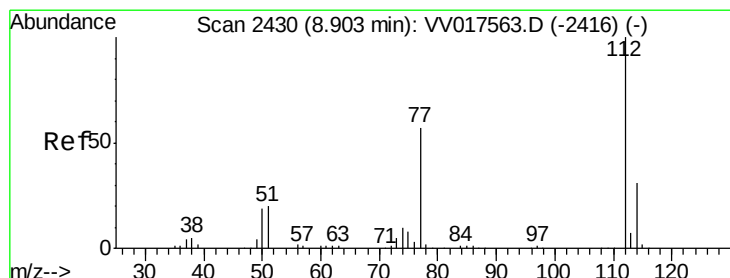
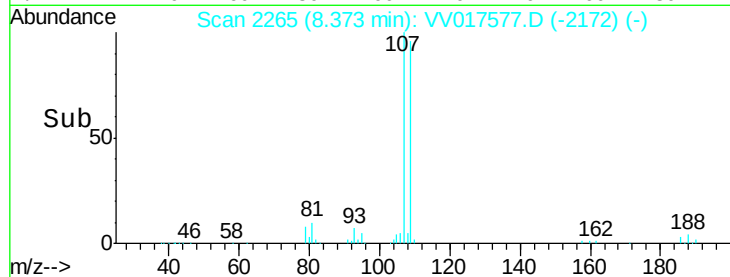
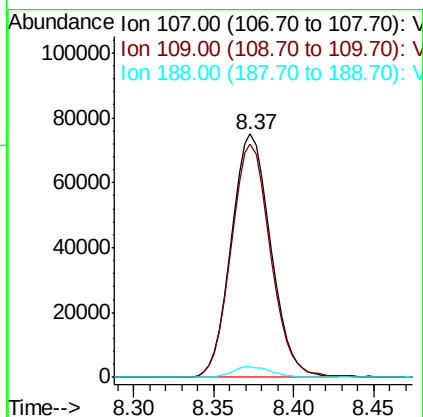
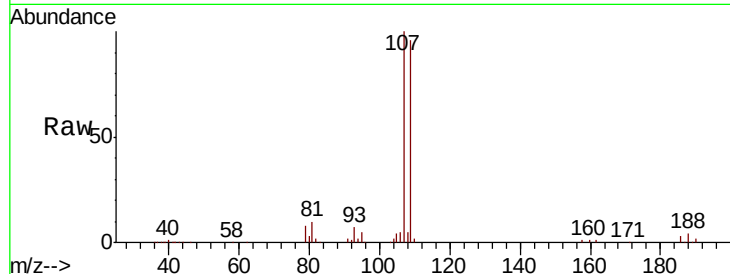




#50
 1,2-Dibromoethane
 Concen: 49.635 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

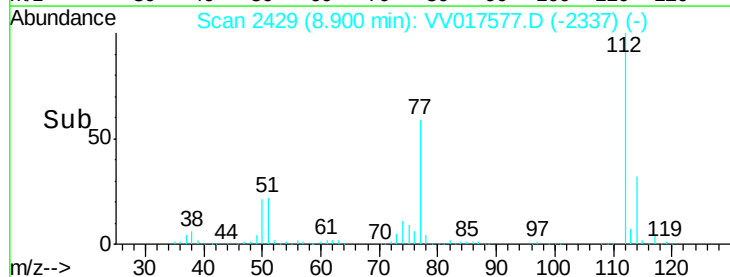
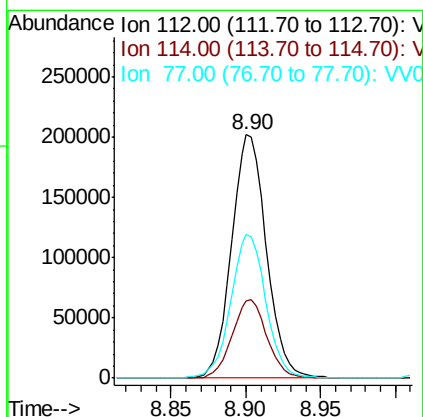
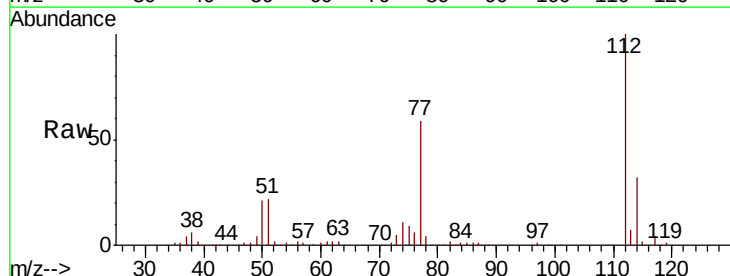
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

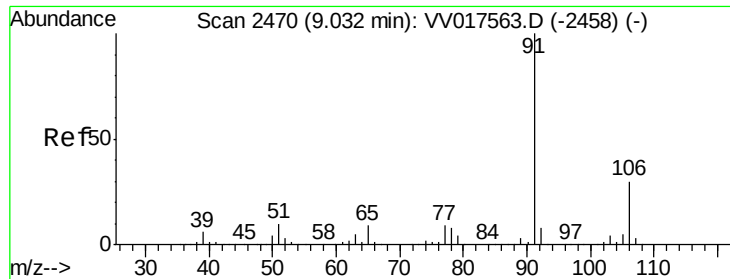
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	67.7	125.7
188	4.3	3.5	5.3



#51
 Chlorobenzene
 Concen: 49.482 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	21.9	40.7
77	59.2	46.1	69.1





#52

Ethylbenzene

Concen: 50.582 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

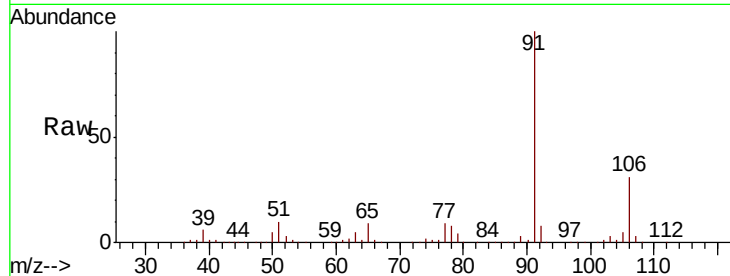
VSTD05086

Tot Ion: 91 Resp: 563318

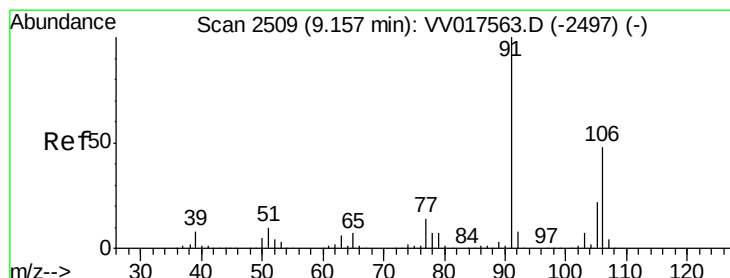
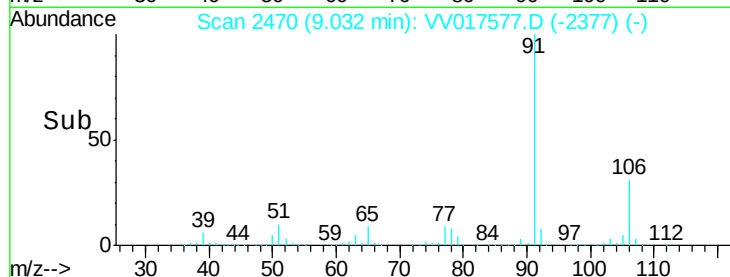
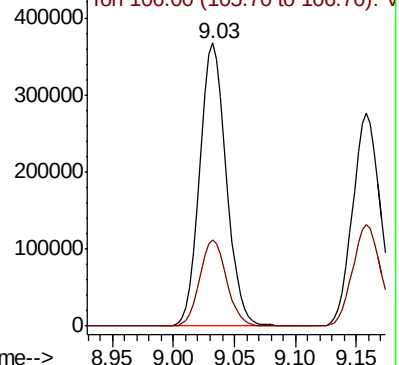
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV017563.D (-2458) (-)



#53

m,p-Xylene

Concen: 49.847 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017577.D

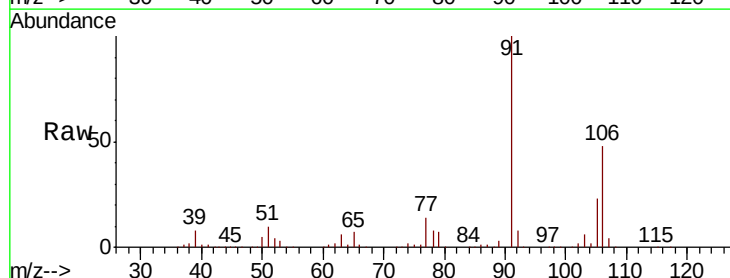
Acq: 21 Jul 2020 20:28

Tgt Ion: 106 Resp: 212695

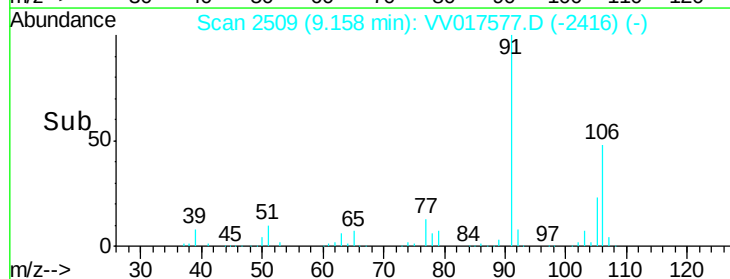
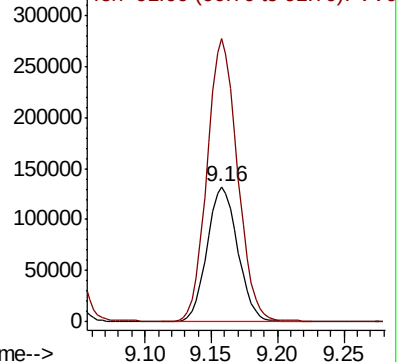
Ion Ratio Lower Upper

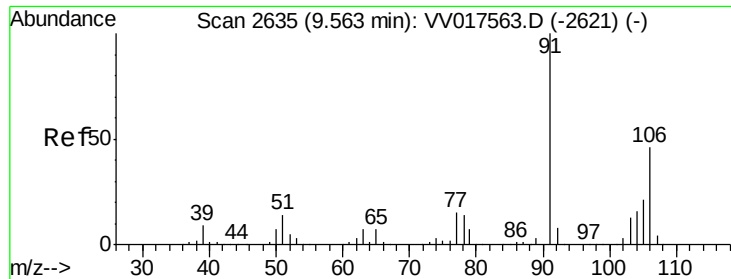
106 100

91 209.5 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): VV017563.D (-2497) (-)





#54

o-xylene

Concen: 50.477 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

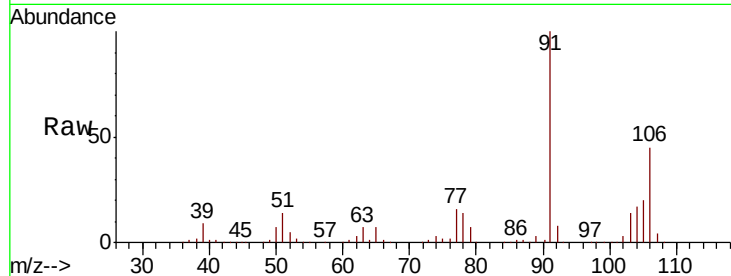
VSTD05086

Tot Ion:106 Resp: 209208

Ion Ratio Lower Upper

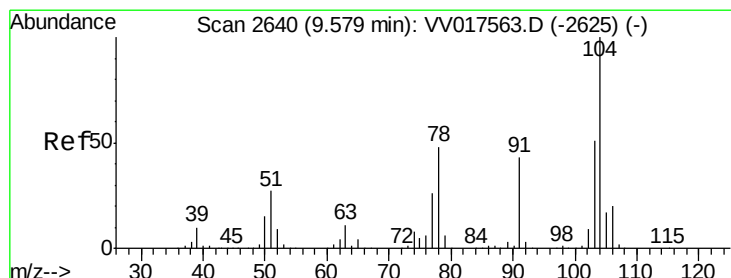
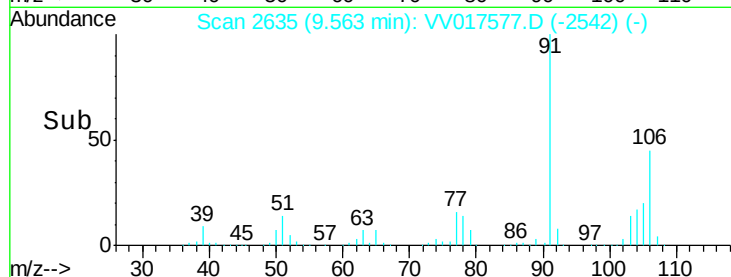
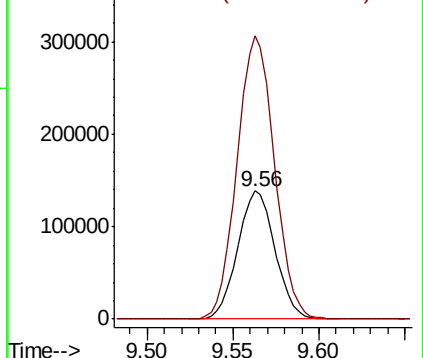
106 100

91 221.1 153.6 285.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.695 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017577.D

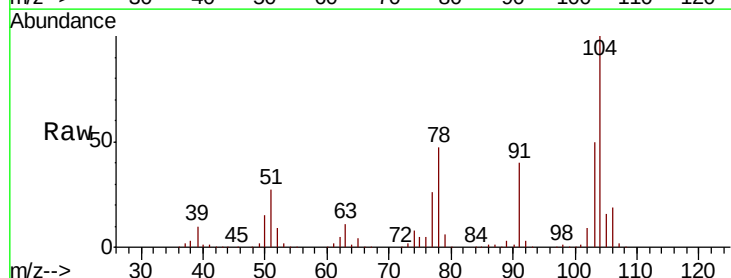
Acq: 21 Jul 2020 20:28

Tgt Ion:104 Resp: 364503

Ion Ratio Lower Upper

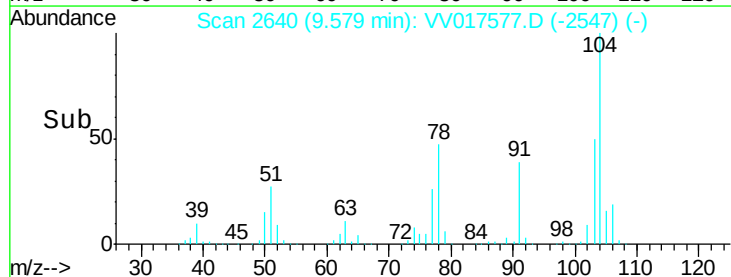
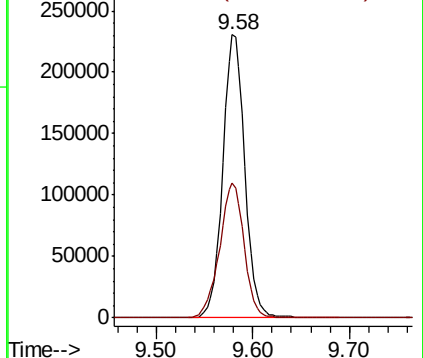
104 100

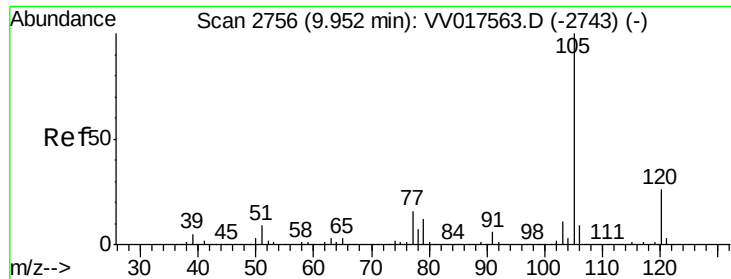
78 47.5 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.428 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

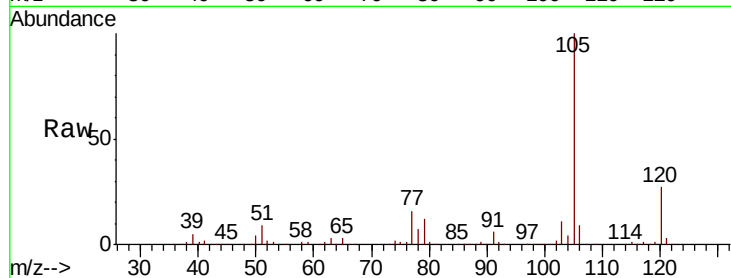
Tot Ion:105 Resp: 566559

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

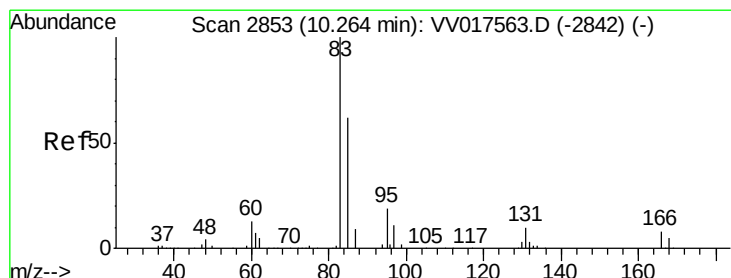
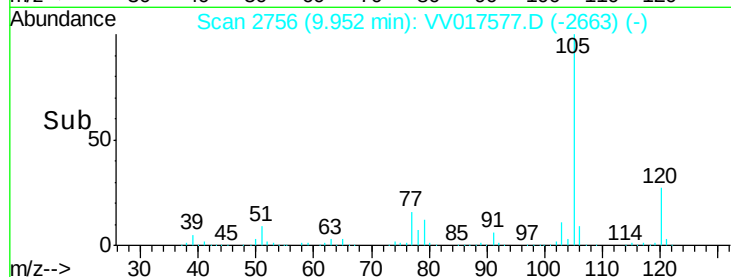
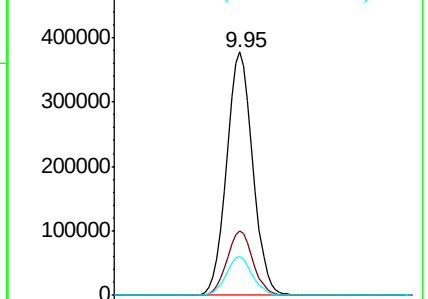
77 16.1 12.8 19.2



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: 50.075 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

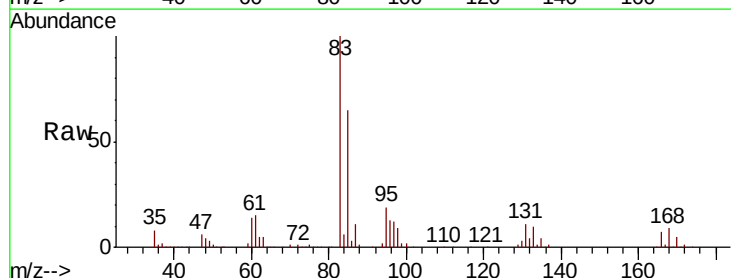
Tgt Ion: 83 Resp: 184571

Ion Ratio Lower Upper

83 100

85 64.8 44.5 82.7

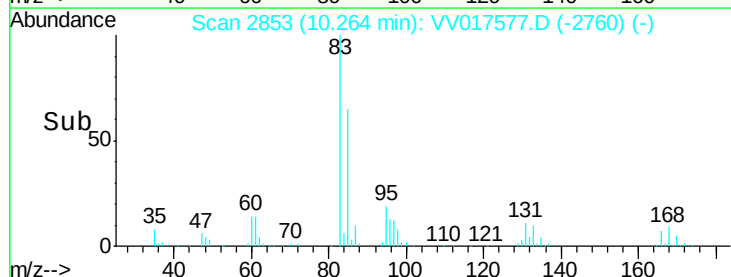
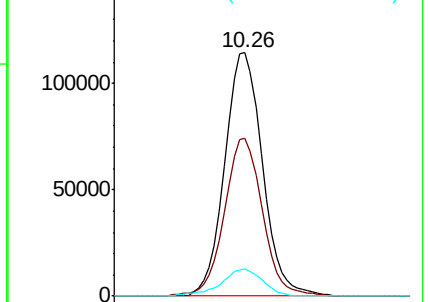
131 11.1 8.9 13.3

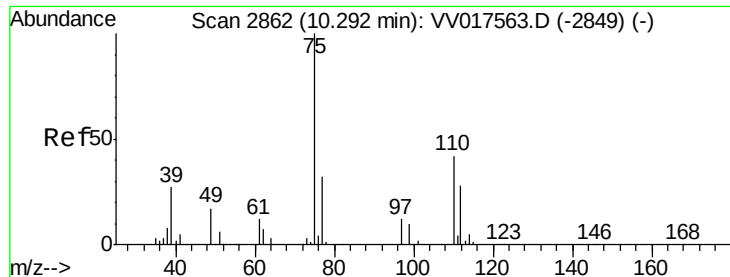


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.560 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

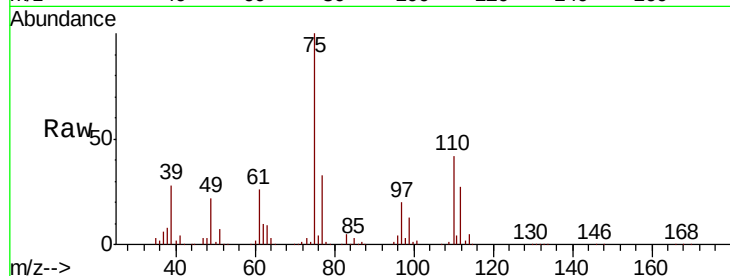
VSTD05086

Tot Ion: 75 Resp: 154050

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



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

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

10.29

100000

80000

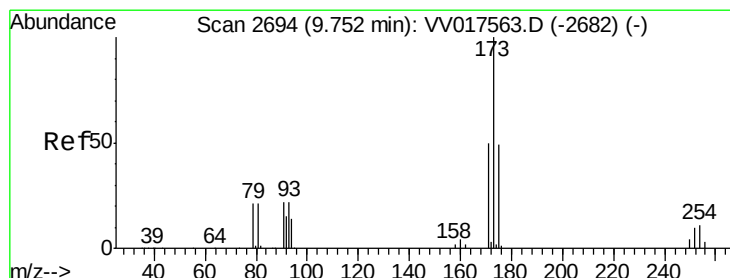
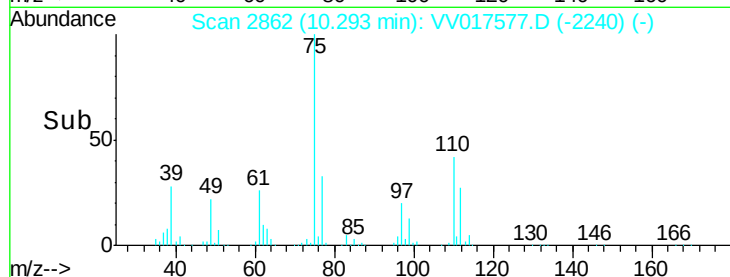
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 51.729 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

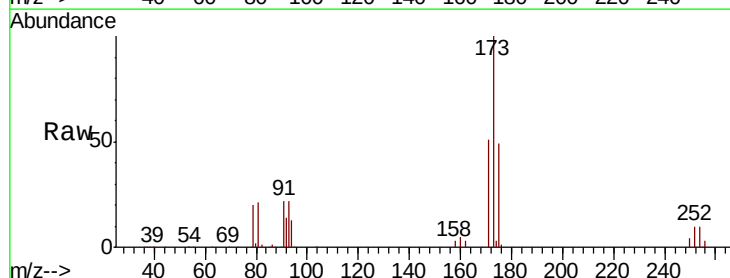
Tgt Ion: 173 Resp: 109938

Ion Ratio Lower Upper

173 100

175 48.6 38.5 57.7

254 10.1 8.3 12.5



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

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

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

9.75

80000

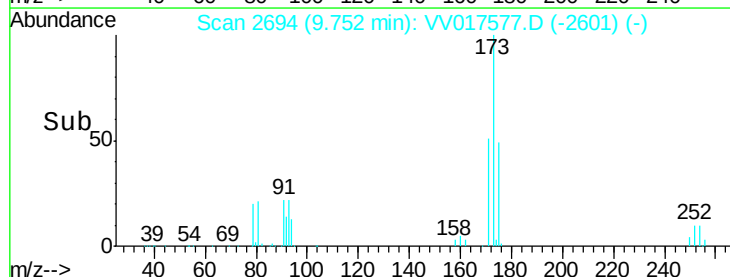
60000

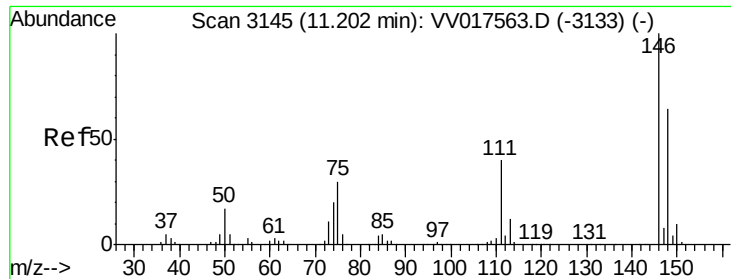
40000

20000

0

Time--> 9.70 9.75 9.80

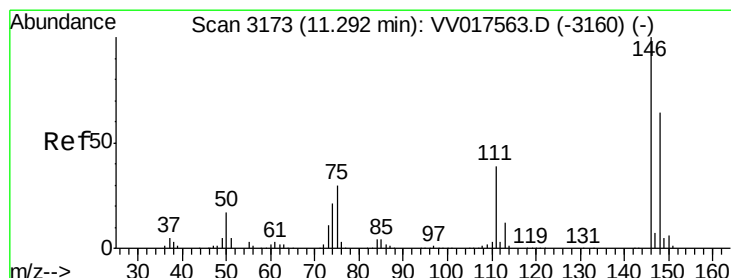
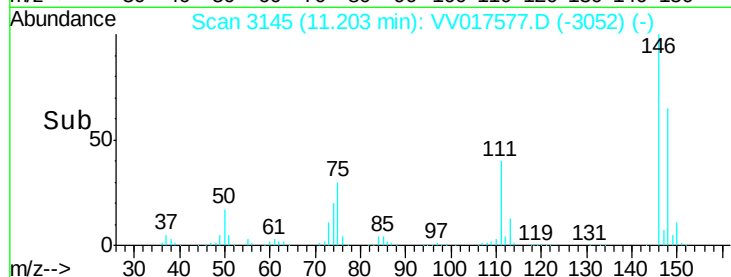
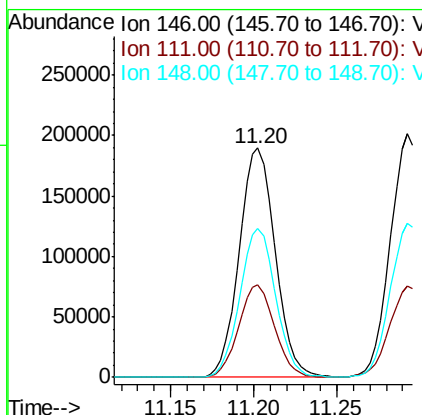
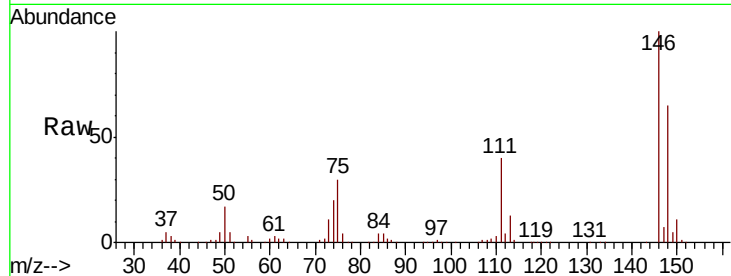




#62
 1,3-Dichlorobenzene
 Concen: 52.657 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

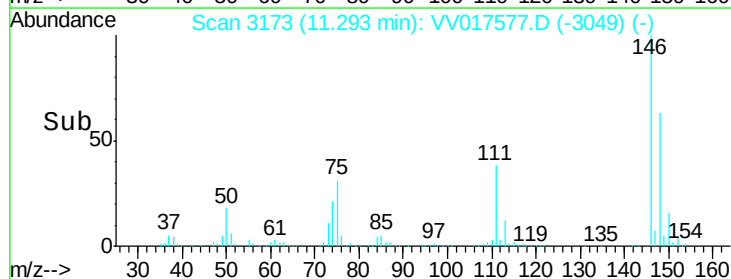
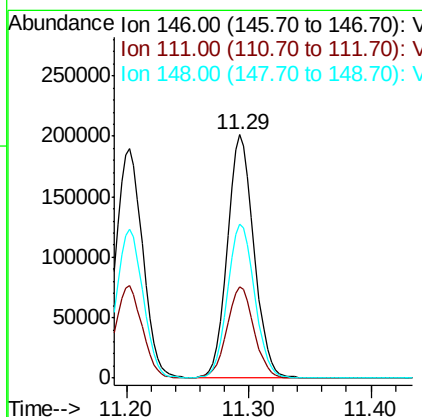
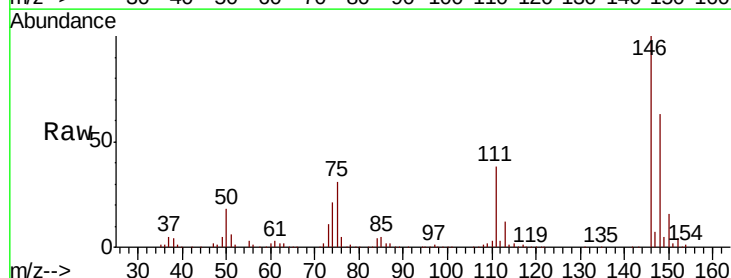
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

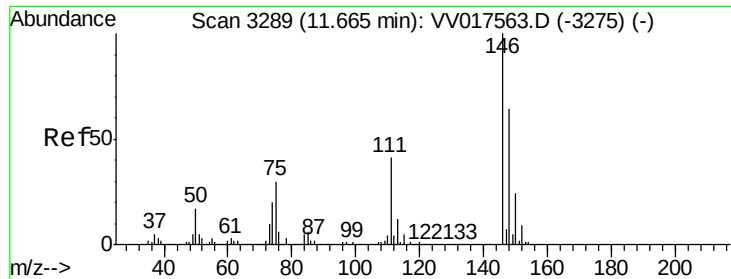
Tot Ion:146 Resp: 287750
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.2 52.4
 148 65.0 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 55.044 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion:146 Resp: 307021
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.3 50.7
 148 63.4 45.1 83.9

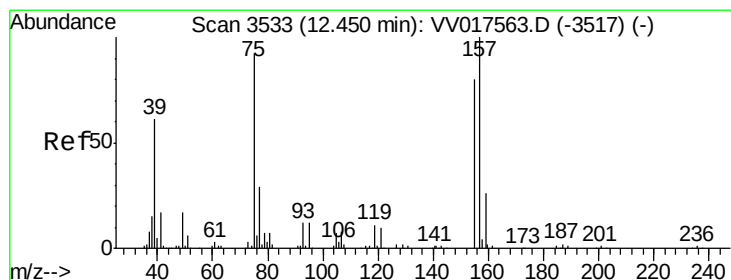
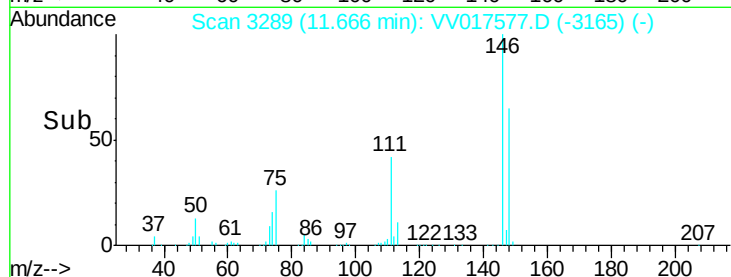
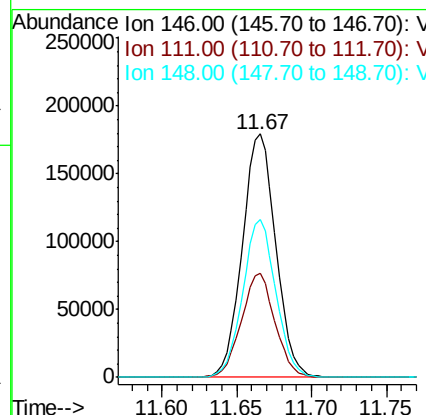
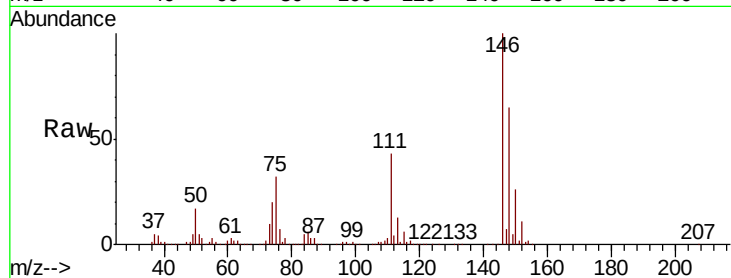




#65
 1,2-Dichlorobenzene
 Concen: 50.452 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

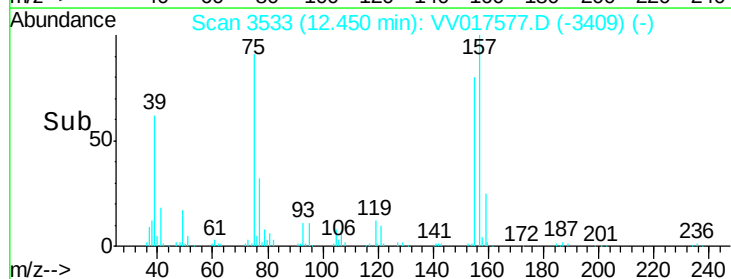
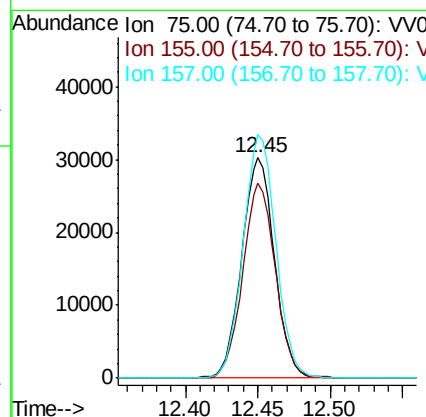
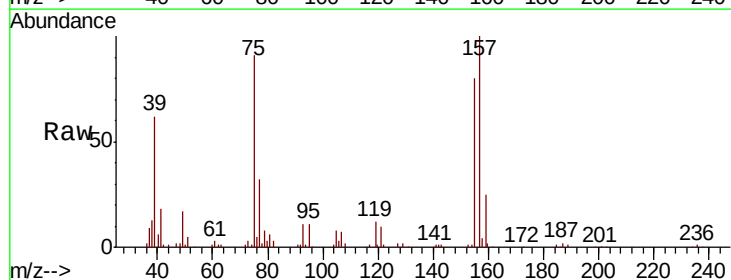
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

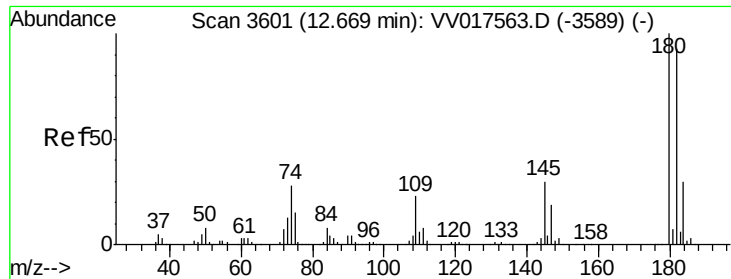
Tot Ion:146 Resp: 279509
 Ion Ratio Lower Upper
 146 100
 111 42.5 32.9 49.3
 148 64.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.775 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion: 75 Resp: 47477
 Ion Ratio Lower Upper
 75 100
 155 88.7 69.2 103.8
 157 110.4 86.9 130.3

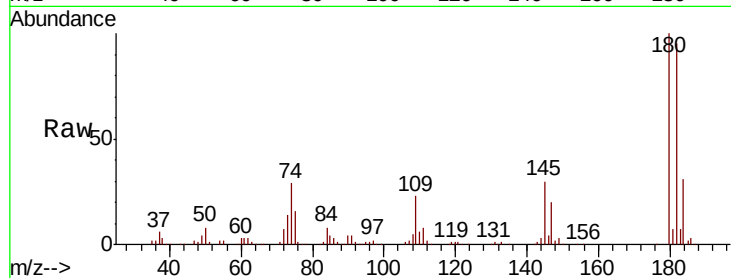




#67
 1,3,5-Trichlorobenzene
 Concen: 48.861 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.7	115.1
184	31.9	24.5	36.7
145	30.4	24.2	36.2



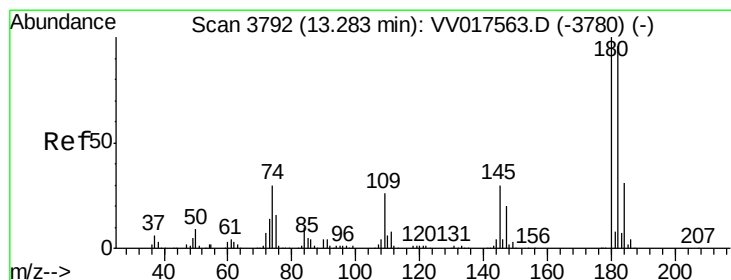
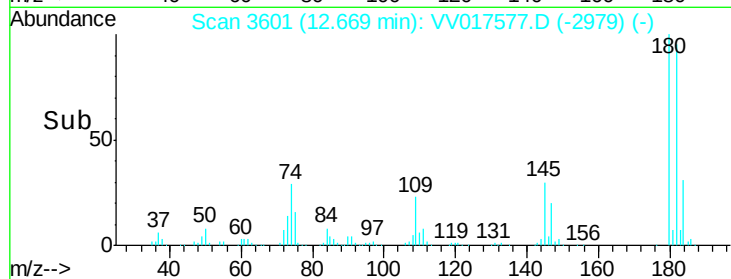
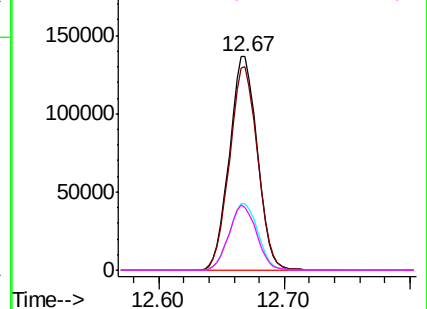
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

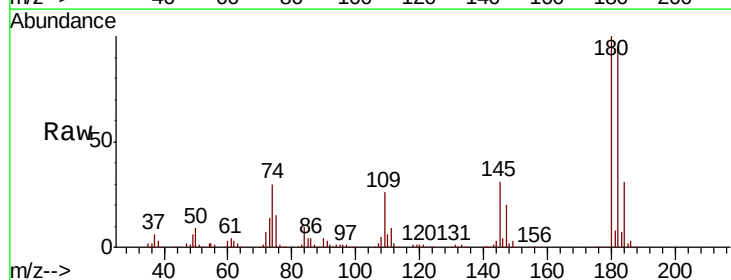
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.990 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017577.D
 Acq: 21 Jul 2020 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.9	24.1	36.1

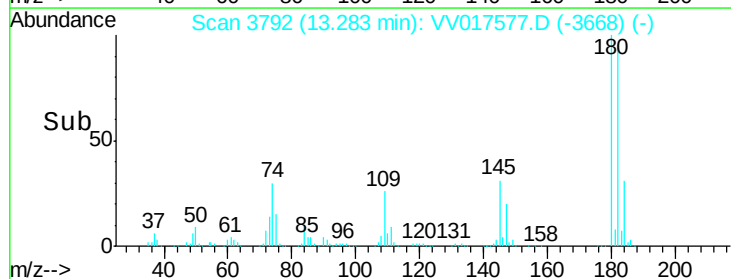
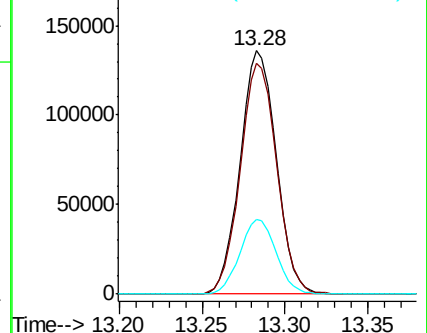


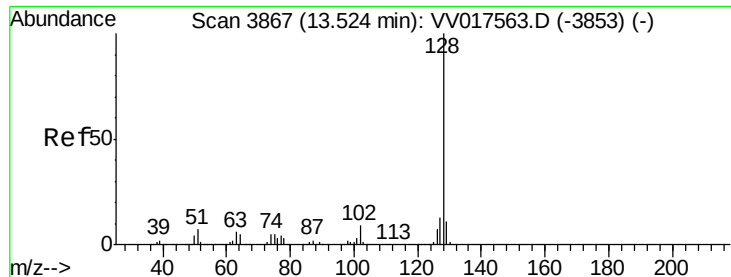
Abundance

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: 53.759 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

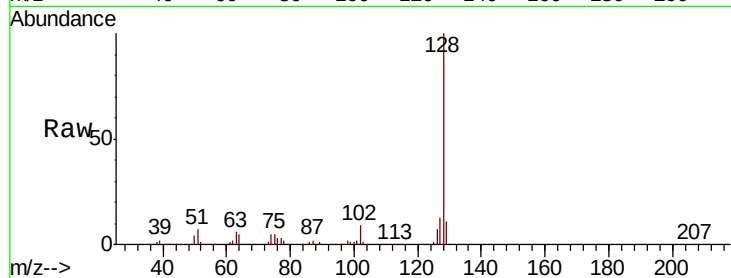
Tot Ion:128 Resp: 575872

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

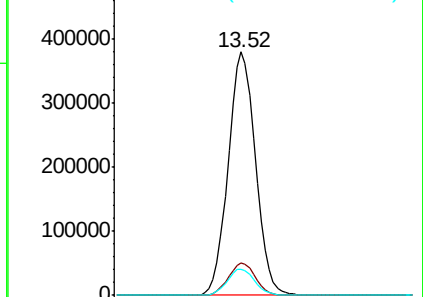
129 10.9 8.7 13.1



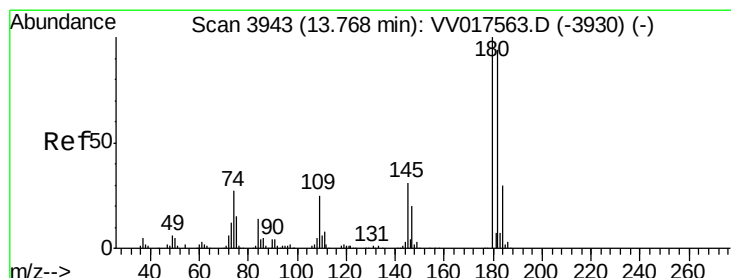
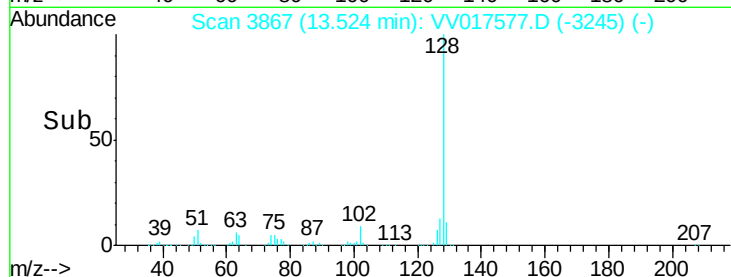
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 50.956 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017577.D

Acq: 21 Jul 2020 20:28

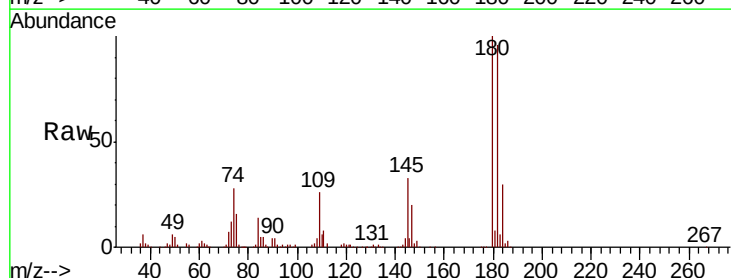
Tgt Ion:180 Resp: 195027

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

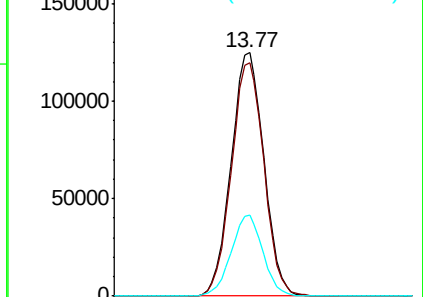
145 32.1 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

