

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072220\
 Data File : VV017579.D
 Acq On : 22 Jul 2020 09:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Jul 23 05:18:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 14:29:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	338232	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	175545	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97912	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.88%
7) Chloroethane-d5	1.58	69	66670	46.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.98%
11) 1,1-Dichloroethene-d2	2.12	63	195813	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
21) 2-Butanone-d5	3.90	46	153672	97.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.33%
24) Chloroform-d	4.37	84	231445	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
26) 1,2-Dichloroethane-d4	5.05	65	157575	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
32) Benzene-d6	5.07	84	417541	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
36) 1,2-Dichloropropane-d6	6.09	67	125138	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.58%
41) Toluene-d8	7.33	98	402203	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%
43) trans-1,3-Dichloropropene-	7.64	79	71747	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
47) 2-Hexanone-d5	8.11	63	114721	95.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.57%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	175297	47.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	173995	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	179567	51.324	ug/L 97
3) Chloromethane	1.25	50	124157	46.591	ug/L 98
5) Vinyl chloride	1.32	62	121676	47.798	ug/L 98
6) Bromomethane	1.53	94	73179	45.898	ug/L 97
8) Chloroethane	1.60	64	62457	47.851	ug/L 99
9) Trichlorofluoromethane	1.76	101	211055	50.037	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101918	48.929	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92572	47.956	ug/L 89
13) Acetone	2.19	43	144601	101.485	ug/L 99
14) Carbon disulfide	2.31	76	331940	47.447	ug/L 99
15) Methyl Acetate	2.44	43	114028	46.946	ug/L 97
16) Methylene chloride	2.52	84	121342	47.514	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	114121	47.238	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	385269	47.713	ug/L 100
19) 1,1-Dichloroethane	3.21	63	209231	48.064	ug/L 98
20) cis-1,2-Dichloroethene	3.93	96	124697	48.067	ug/L 97
22) 2-Butanone	3.99	43	182805	103.296	ug/L 99

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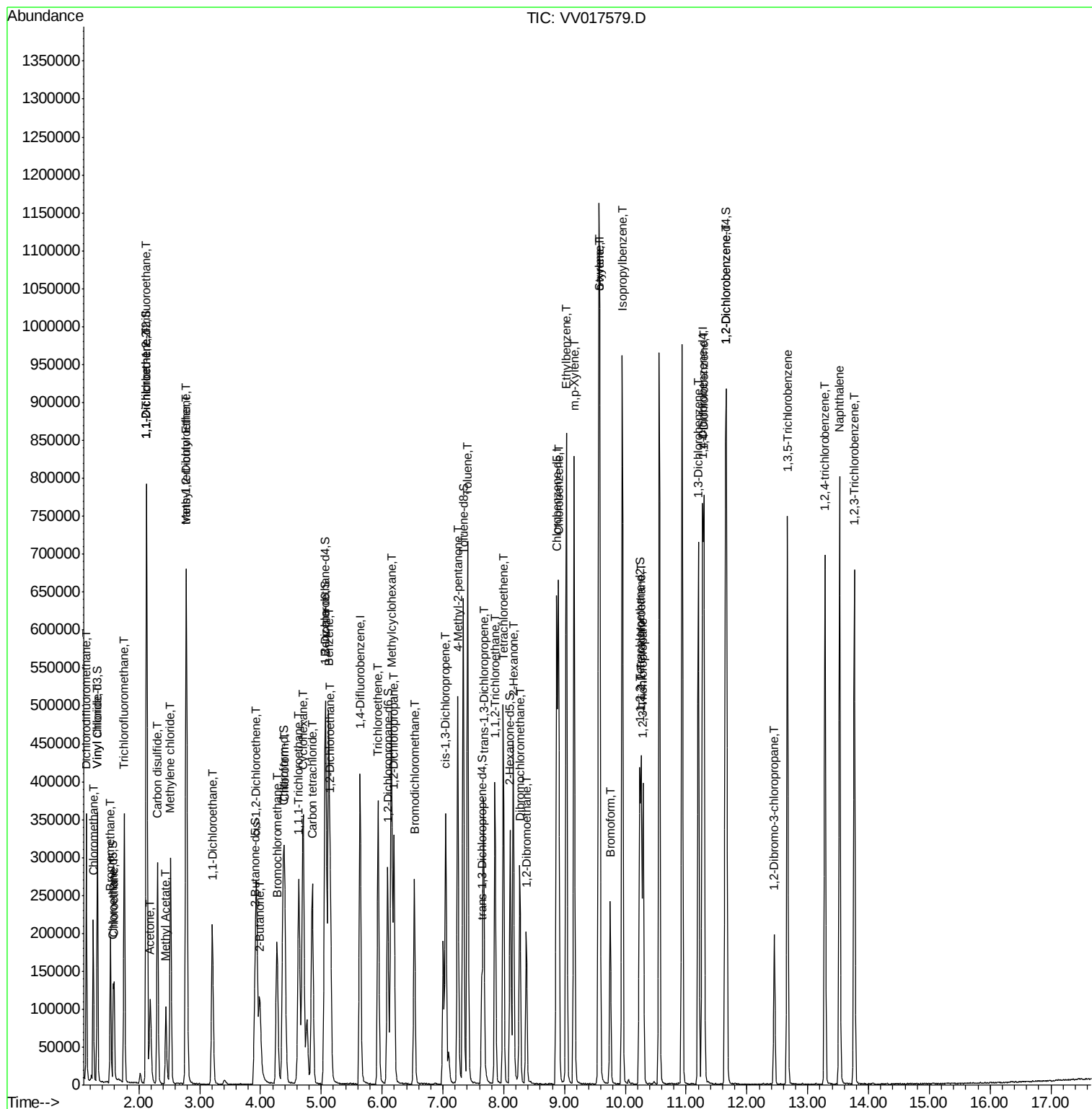
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	68062	47.733	uq/L	96
25) Chloroform	4.40	83	226948	48.368	uq/L	99
27) 1,2-Dichloroethane	5.15	62	191481	48.072	uq/L	99
29) Cyclohexane	4.70	56	189916	48.107	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	218663	48.504	uq/L	98
31) Carbon tetrachloride	4.85	117	200072	49.140	uq/L	98
33) Benzene	5.12	78	460954	48.005	uq/L	100
34) Trichloroethene	5.94	95	124903	47.232	uq/L	99
35) Methylcyclohexane	6.15	83	203050	49.146	uq/L	99
37) 1,2-Dichloropropane	6.19	63	113175	46.083	uq/L	98
38) Bromodichloromethane	6.53	83	174182	48.137	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	198434	48.237	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	321227	94.574	uq/L	99
42) Toluene	7.41	91	501055	47.488	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	200806	48.919	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	118695	47.905	uq/L	99
46) Tetrachloroethene	7.99	164	109936	48.892	uq/L	97
48) 2-Hexanone	8.15	43	274893	101.619	uq/L	98
49) Dibromochloromethane	8.27	129	145800	48.261	uq/L	98
50) 1,2-Dibromoethane	8.37	107	127562	47.342	uq/L	97
51) Chlorobenzene	8.90	112	329585	47.069	uq/L	99
52) Ethylbenzene	9.03	91	572634	48.489	uq/L	99
53) m,p-Xylene	9.16	106	221837	49.028	uq/L	96
54) o-xylene	9.56	106	212855	48.431	uq/L	98
55) Styrene	9.58	104	370602	49.565	uq/L	100
56) Isopropylbenzene	9.95	105	584896	49.094	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	179851	46.015	uq/L	98
59) 1,2,3-Trichloropropane	10.29	75	149888	46.391	uq/L	100
61) Bromoform	9.75	173	107287	46.802	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	282675	47.958	uq/L	100
63) 1,4-Dichlorobenzene	11.29	146	285394	47.438	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	287390	48.094	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	47392	47.915	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	225459	48.452	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	203228	49.242	uq/L	99
69) Naphthalene	13.52	128	590407	51.099	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	203929	49.398	uq/L	100

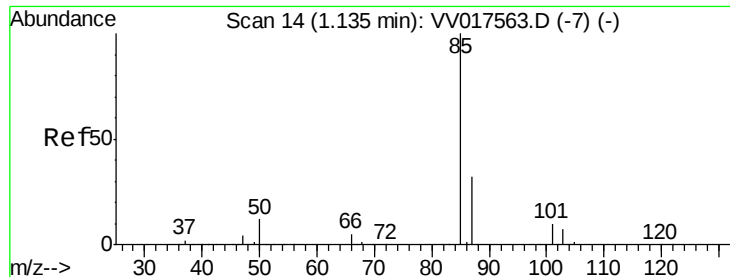
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.324 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

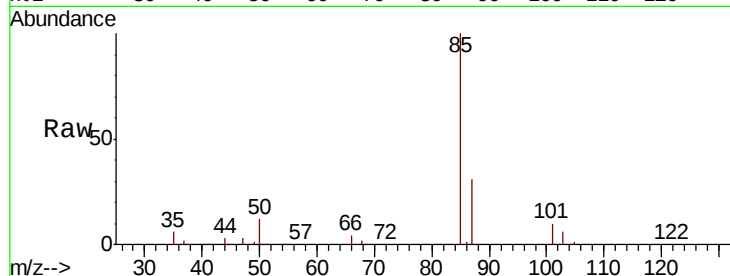
VSTD05087

Tot Ion: 85 Resp: 179567

Ion Ratio Lower Upper

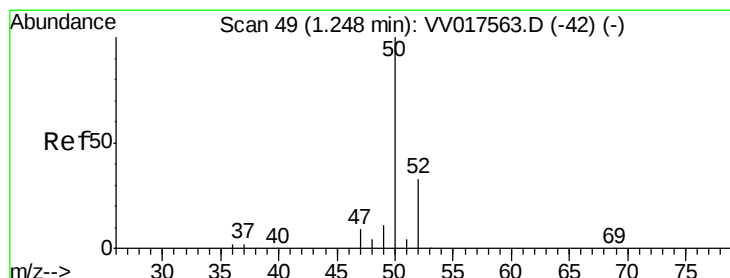
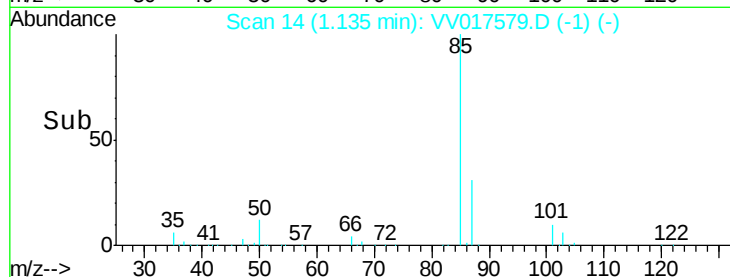
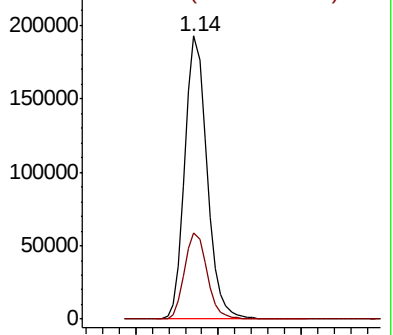
85 100

87 31.1 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 46.591 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017579.D

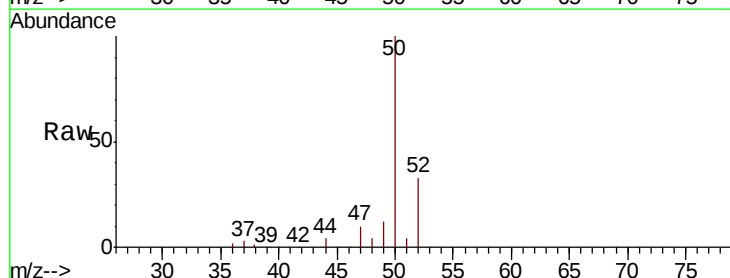
Acq: 22 Jul 2020 09:46

Tgt Ion: 50 Resp: 124157

Ion Ratio Lower Upper

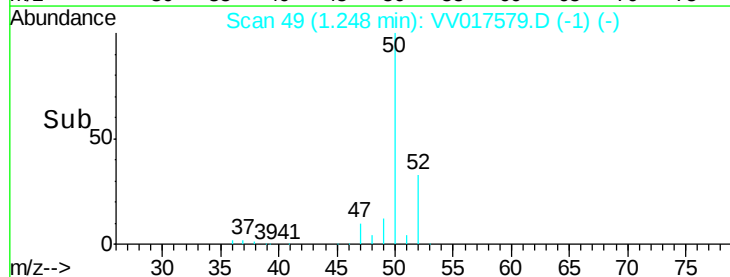
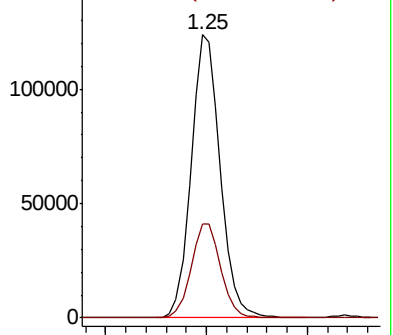
50 100

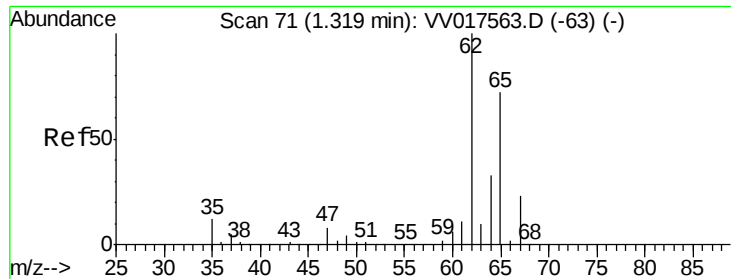
52 33.4 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 47.798 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

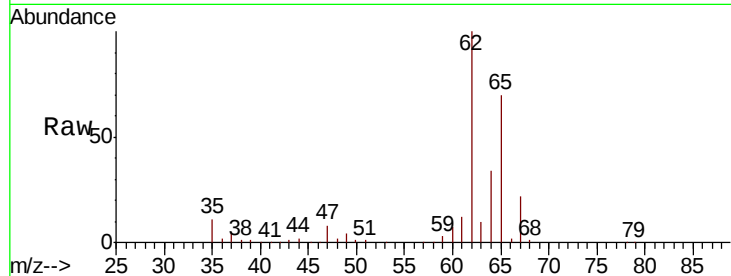
VSTD05087

Tot Ion: 62 Resp: 121676

Ion Ratio Lower Upper

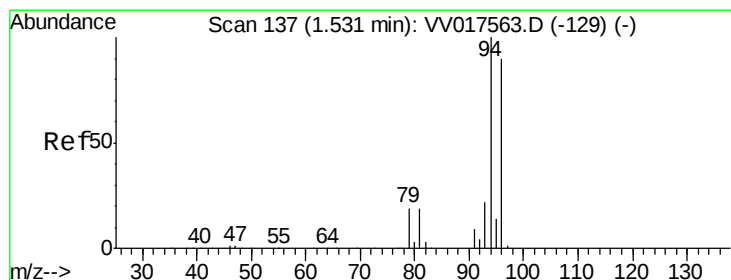
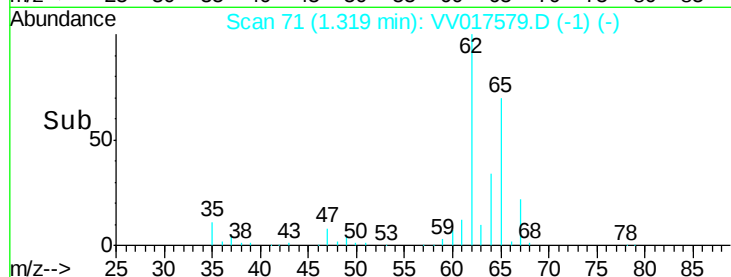
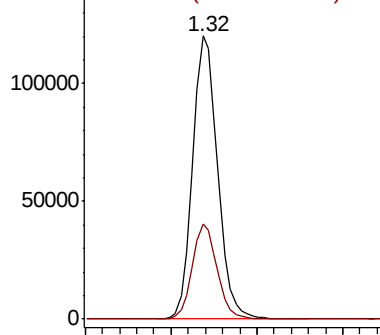
62 100

64 33.7 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.898 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017579.D

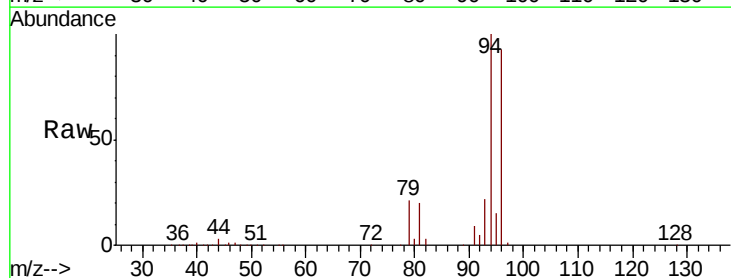
Acq: 22 Jul 2020 09:46

Tgt Ion: 94 Resp: 73179

Ion Ratio Lower Upper

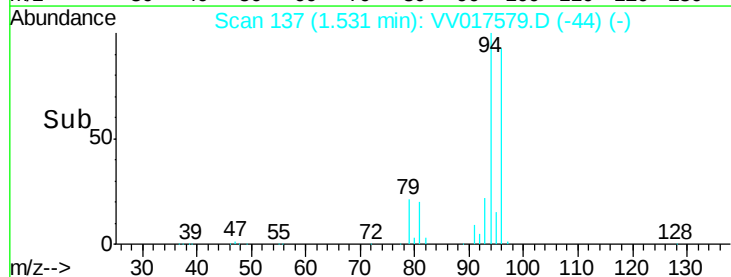
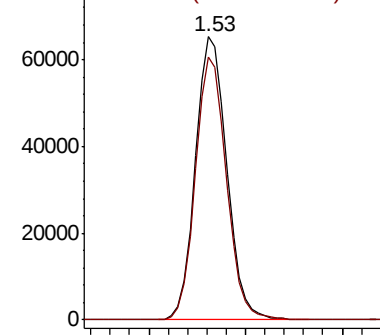
94 100

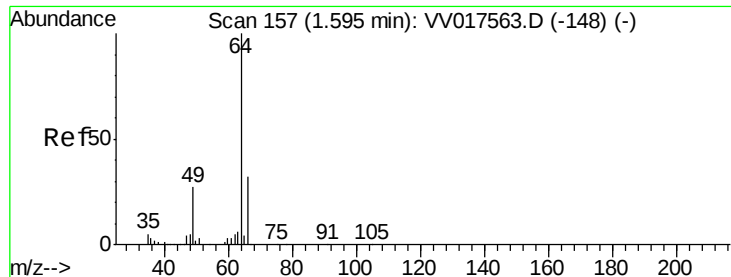
96 92.9 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

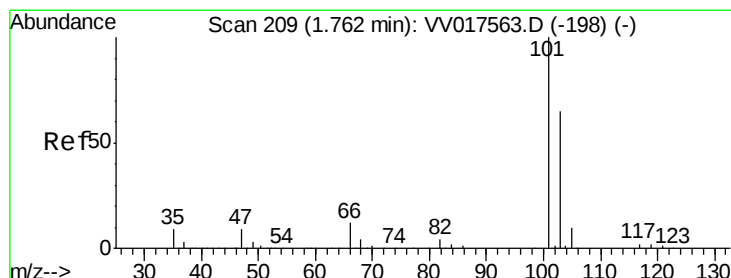
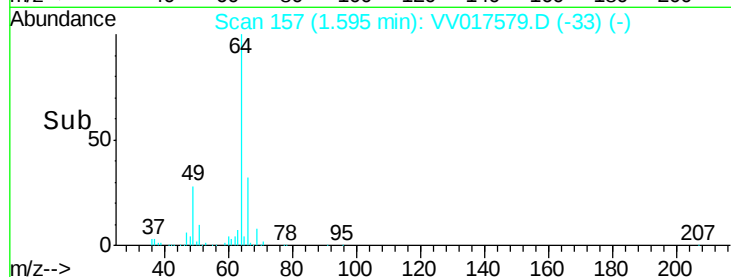
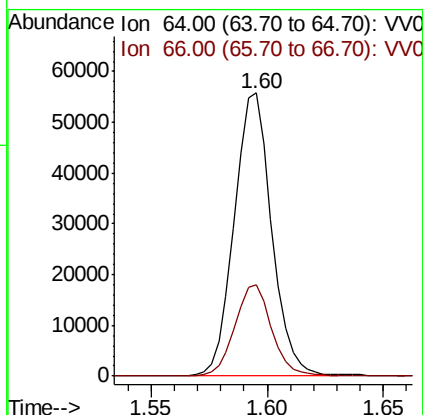
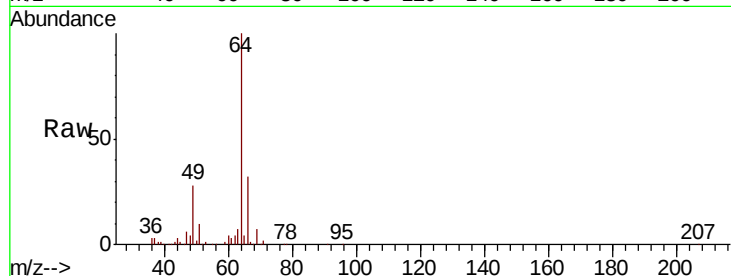




#8
Chloroethane
Concen: 47.851 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

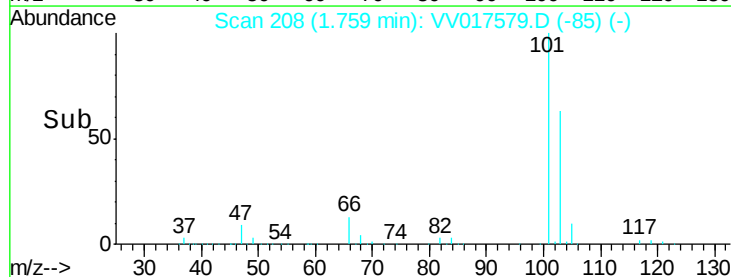
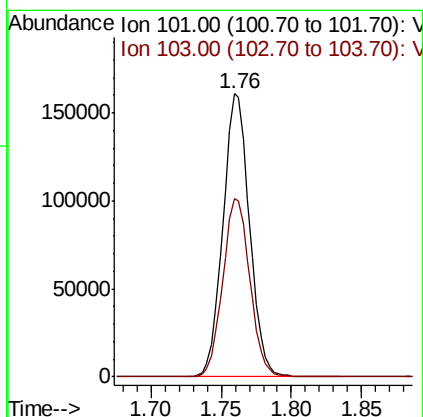
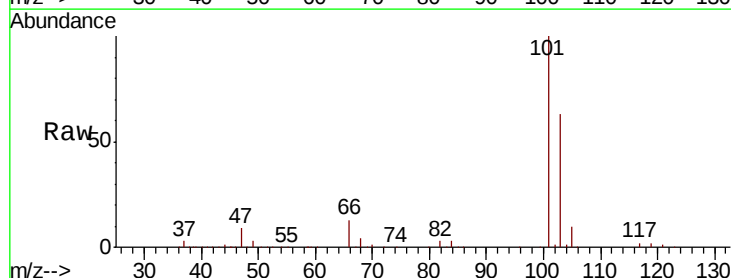
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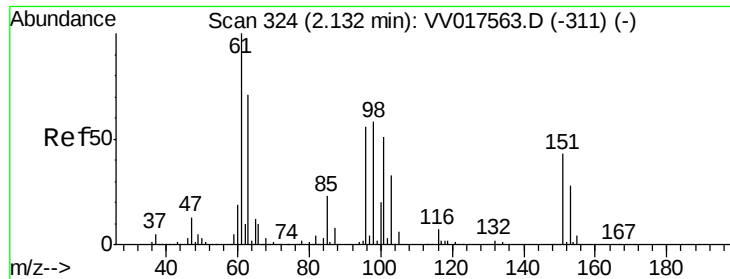
Tot Ion: 64 Resp: 62457
Ion Ratio Lower Upper
64 100
66 32.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 50.037 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Tgt Ion: 101 Resp: 211055
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6





#10

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

Concen: 48.929 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

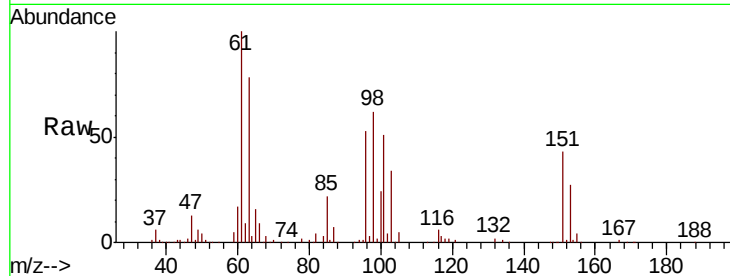
Tot Ion:101 Resp: 101918

Ion Ratio Lower Upper

101 100

85 44.0 35.1 52.7

151 82.8 67.0 100.4



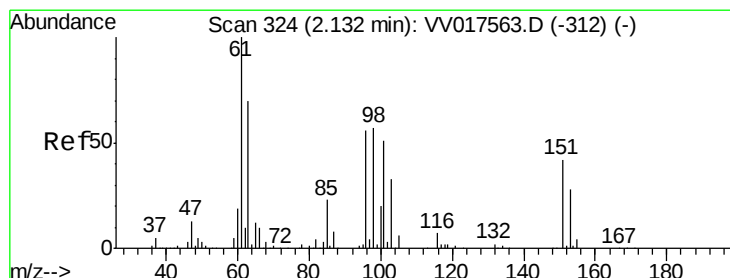
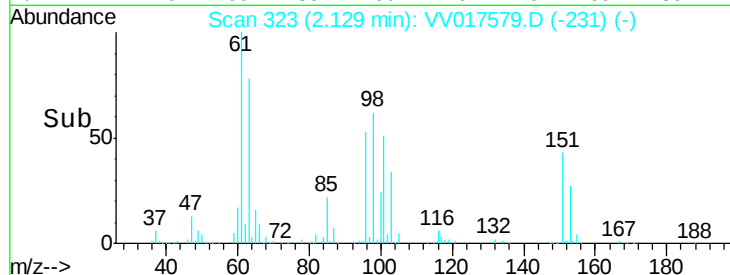
Abundance Ion 101.00 (100.70 to 101.70): VV017579.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017579.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017579.D (-231) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 47.956 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

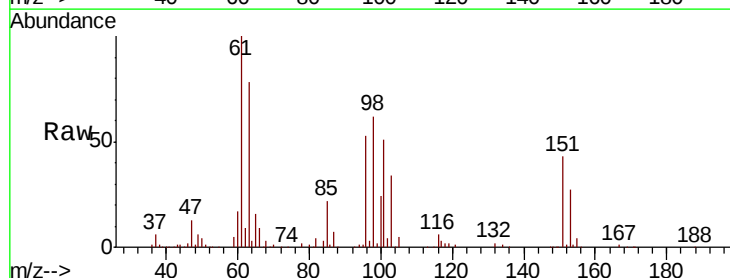
Tgt Ion: 96 Resp: 92572

Ion Ratio Lower Upper

96 100

61 187.0 124.5 231.3

63 145.9 89.0 165.4



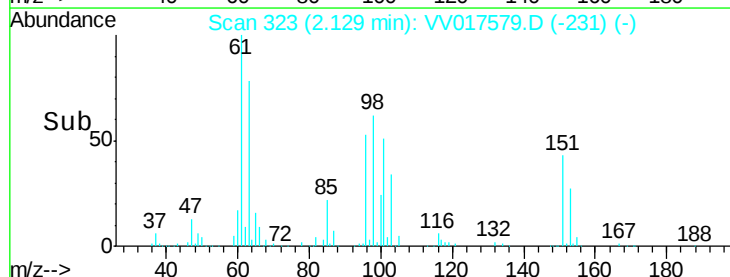
Abundance Ion 96.00 (95.70 to 96.70): VV017579.D (-231) (-)

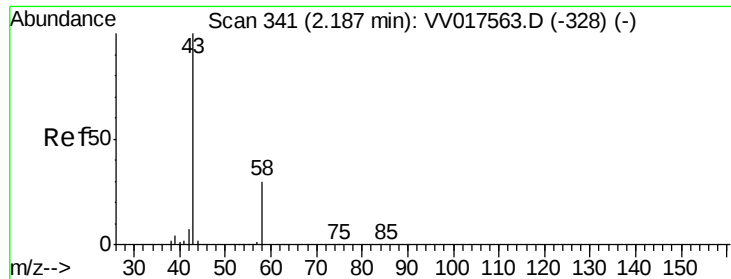
Ion 61.00 (60.70 to 61.70): VV017579.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017579.D (-231) (-)

2.13

Time-->





#13

Acetone

Concen: 101.485 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

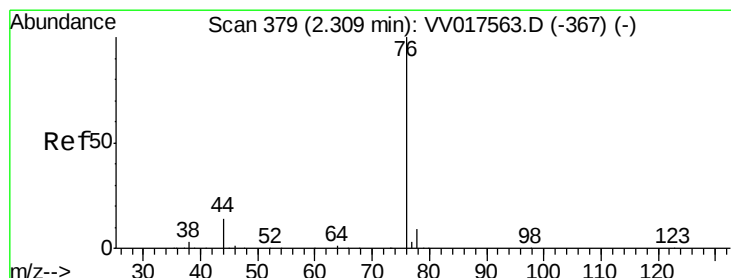
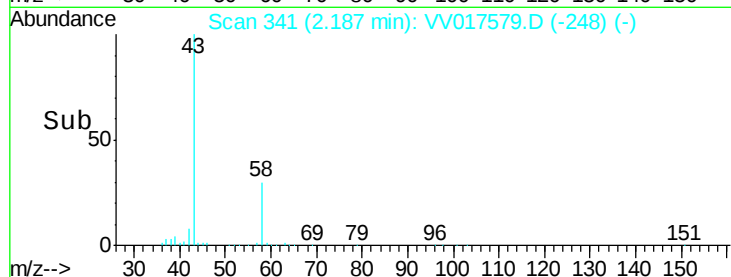
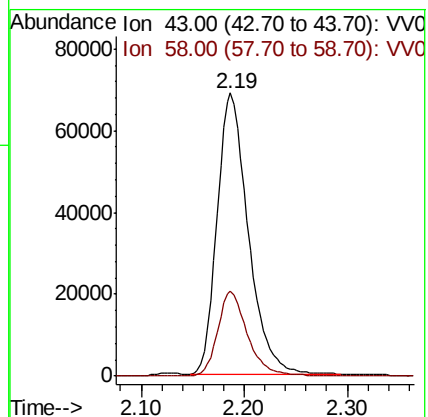
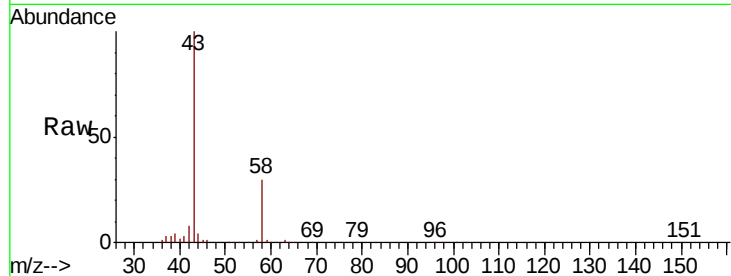
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VSTD05087

Tot Ion: 43 Resp: 144601

Ion Ratio Lower Upper

43 100

58 28.5 0.0 58.0



#14

Carbon disulfide

Concen: 47.447 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017579.D

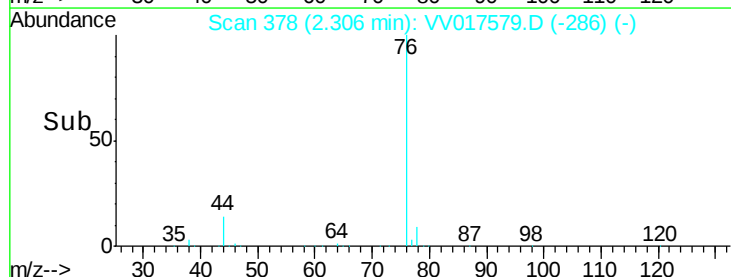
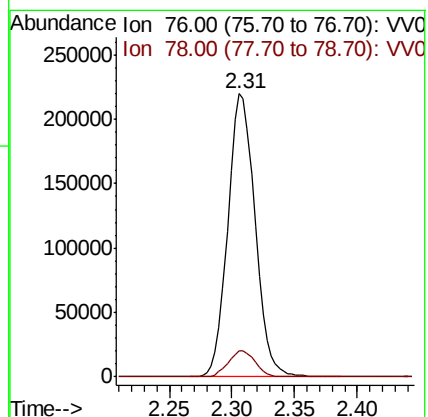
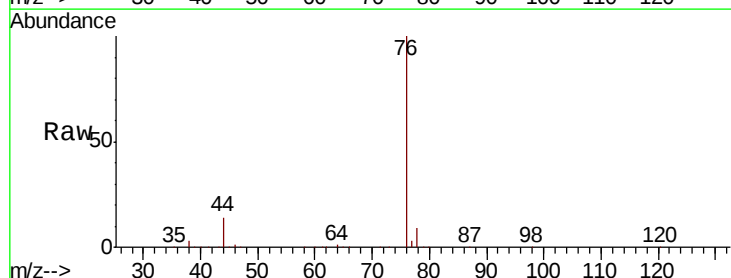
Acq: 22 Jul 2020 09:46

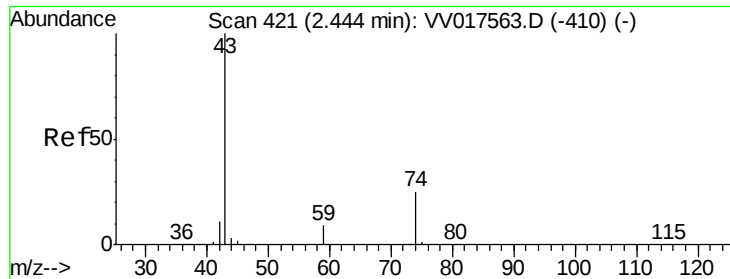
Tgt Ion: 76 Resp: 331940

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

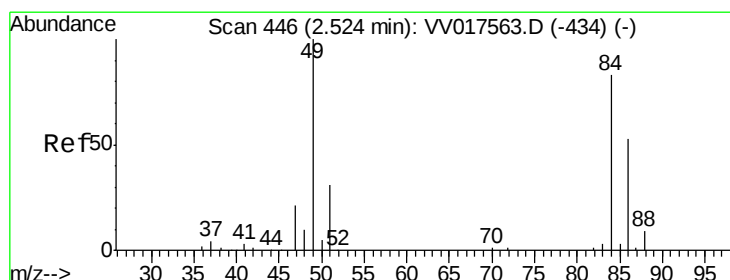
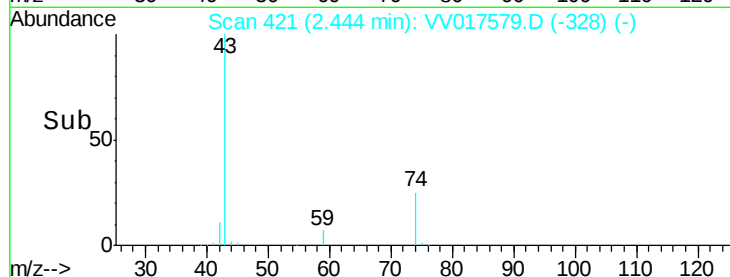
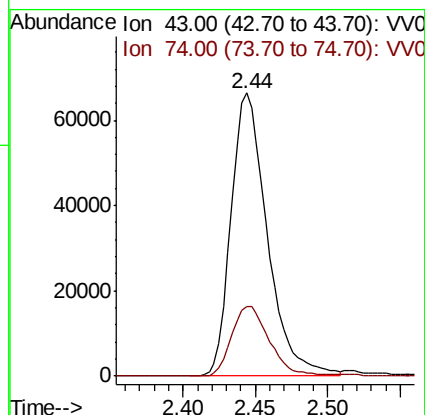
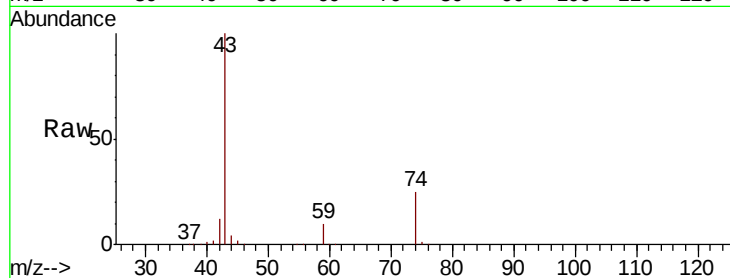




#15
Methvl Acetate
Concen: 46.946 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

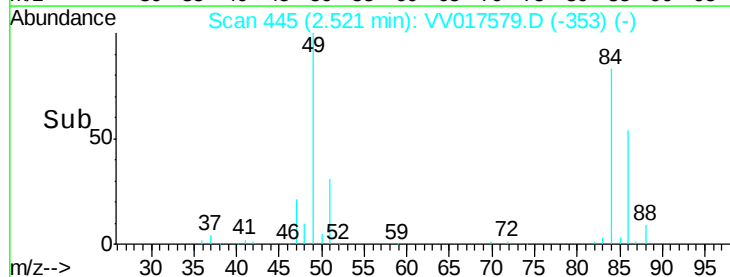
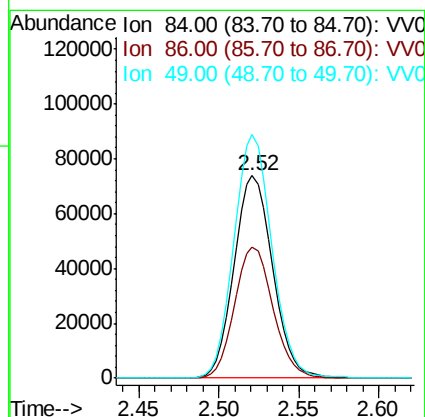
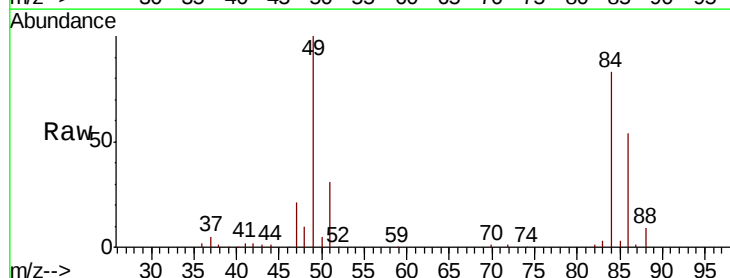
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

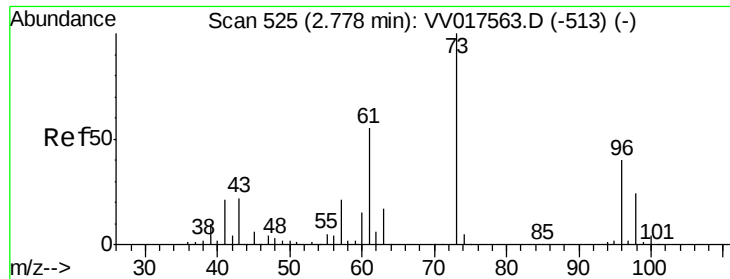
Tot Ion: 43 Resp: 114028
Ion Ratio Lower Upper
43 100
74 25.9 19.5 29.3



#16
Methylene chloride
Concen: 47.514 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Tgt Ion: 84 Resp: 121342
Ion Ratio Lower Upper
84 100
86 65.1 44.5 82.7
49 120.4 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 47.238 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

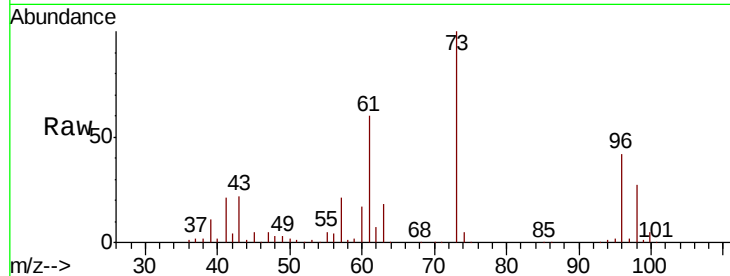
Tot Ion: 96 Resp: 114121

Ion Ratio Lower Upper

96 100

61 142.8 97.0 180.2

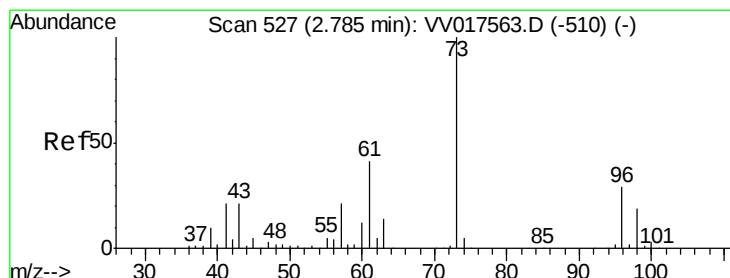
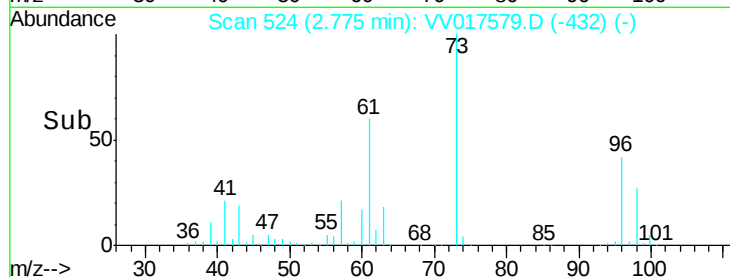
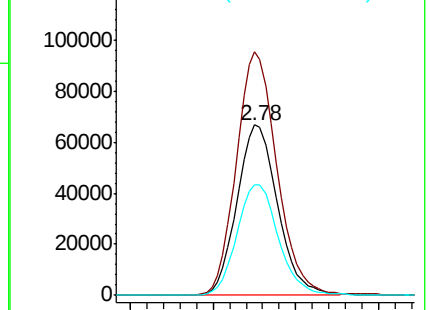
98 64.9 42.6 79.0



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: 47.713 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

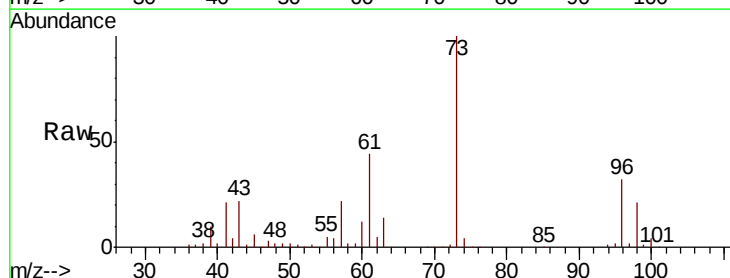
Tgt Ion: 73 Resp: 385269

Ion Ratio Lower Upper

73 100

43 21.5 17.3 25.9

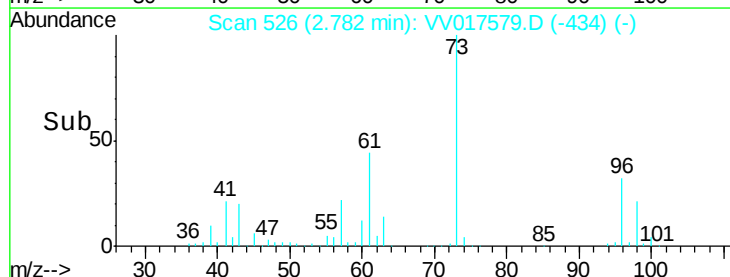
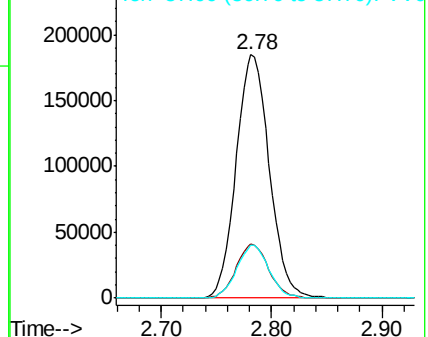
57 21.1 16.8 25.2

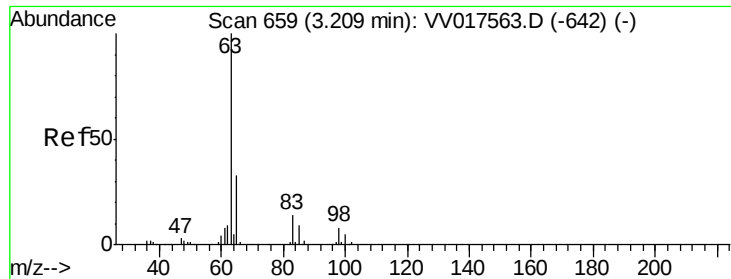


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.064 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

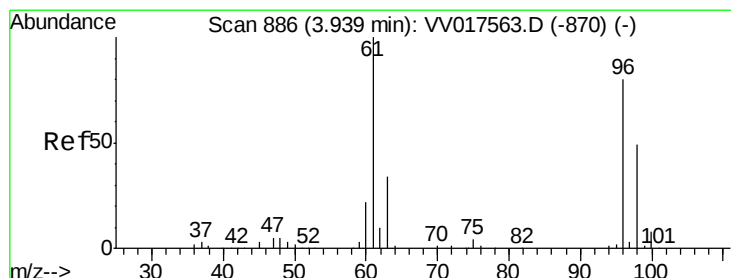
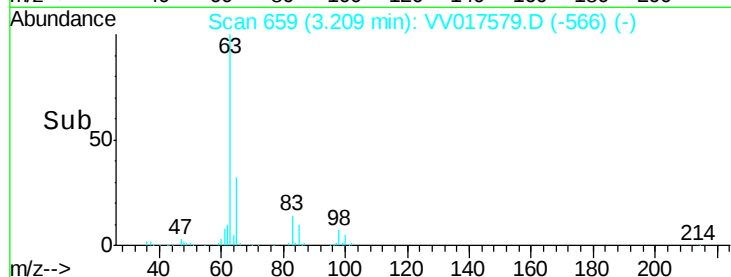
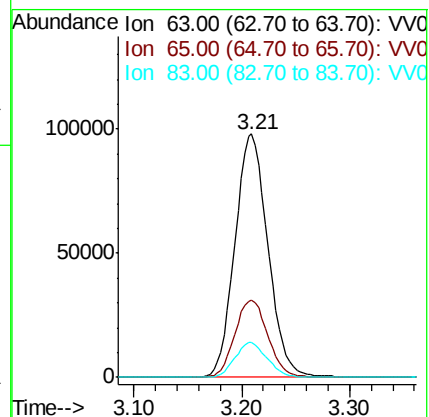
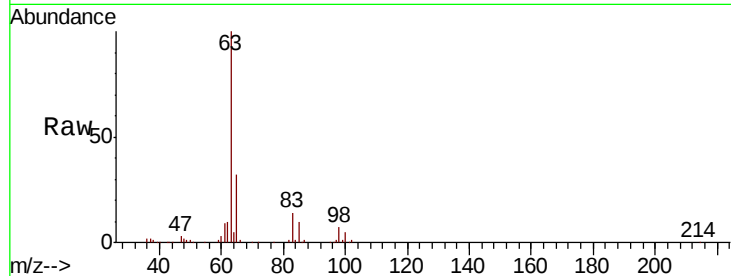
Tot Ion: 63 Resp: 209231

Ion Ratio Lower Upper

63 100

65 31.6 23.0 42.8

83 14.4 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 48.067 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

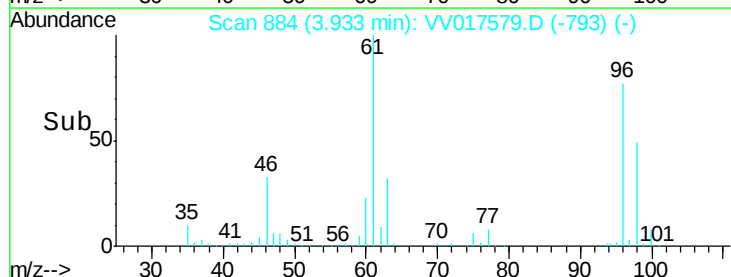
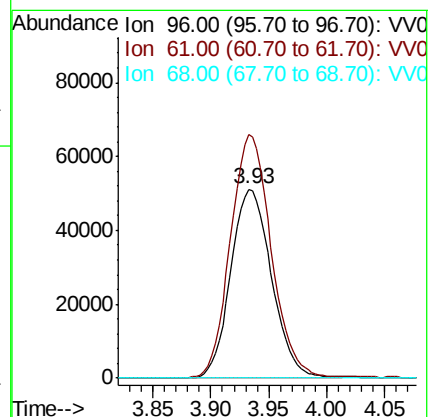
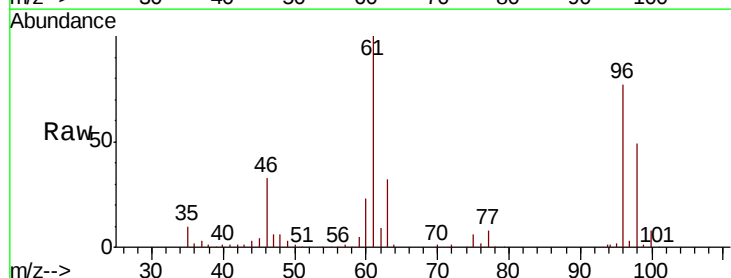
Tgt Ion: 96 Resp: 124697

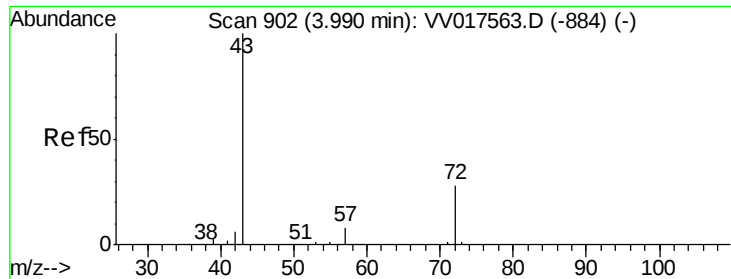
Ion Ratio Lower Upper

96 100

61 129.0 87.8 163.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.296 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

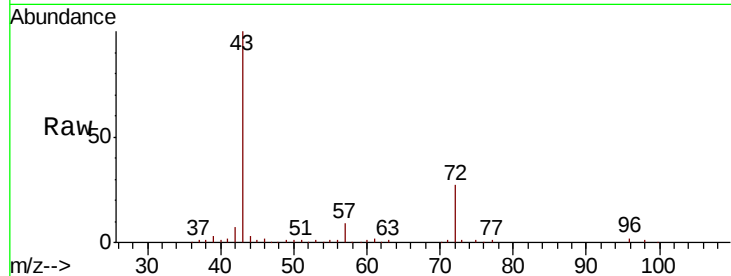
VSTD05087

Tot Ion: 43 Resp: 182805

Ion Ratio Lower Upper

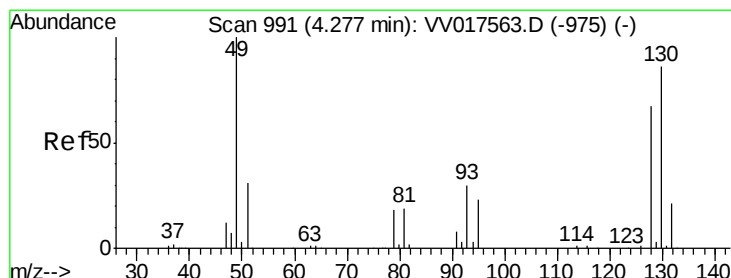
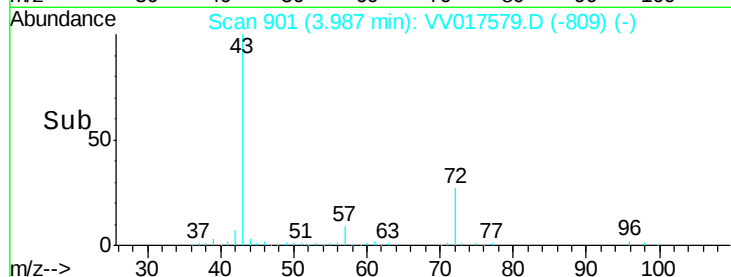
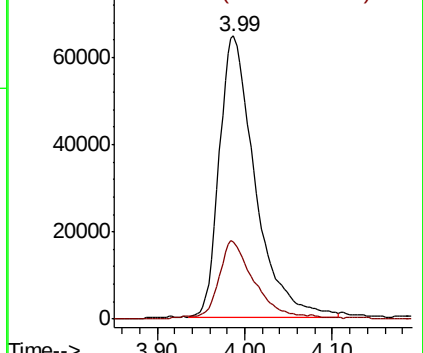
43 100

72 25.3 13.0 39.0



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

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



#23

Bromochloromethane

Concen: 47.733 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Tgt Ion:128 Resp: 68062

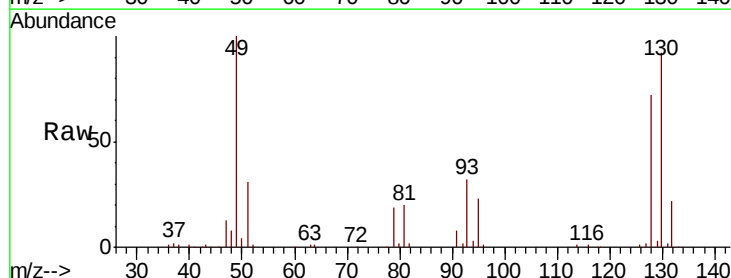
Ion Ratio Lower Upper

128 100

49 139.5 103.7 192.7

130 128.2 89.4 166.0

51 42.8 36.9 55.3

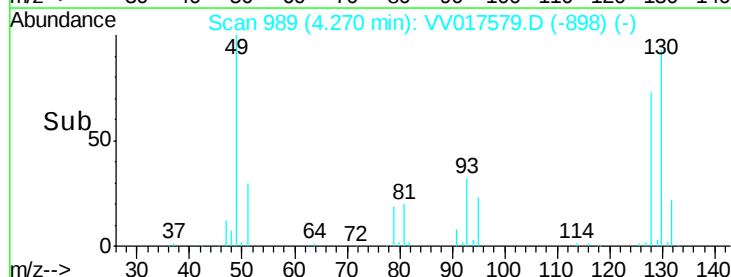
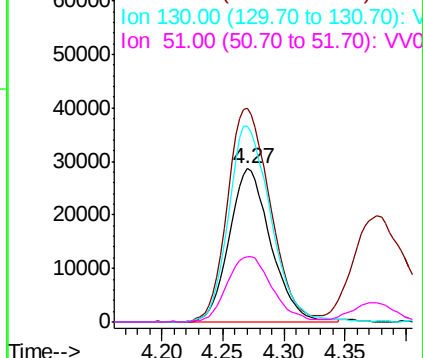


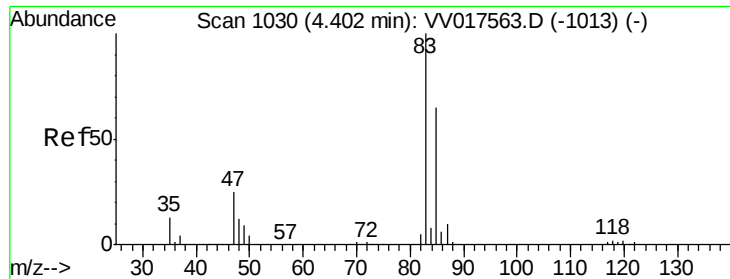
Abundance Ion 128.00 (127.70 to 128.70): VV017563.D (-975) (-)

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

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

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

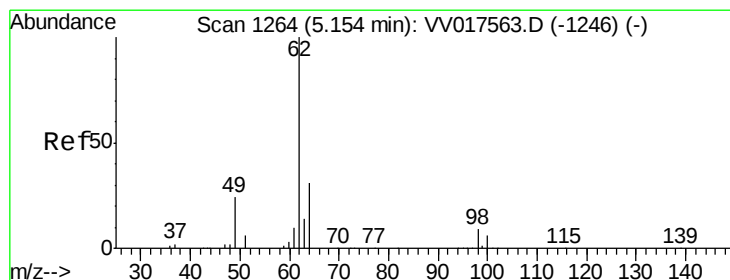
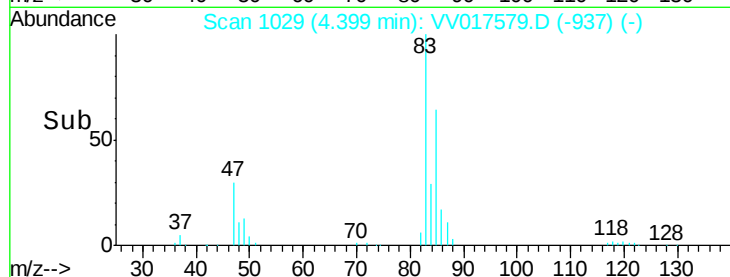
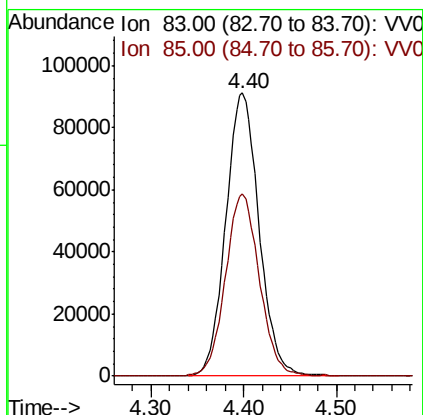
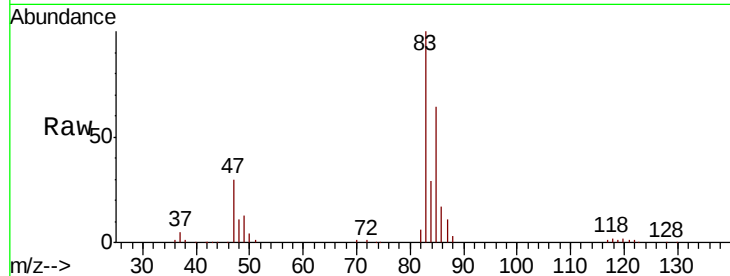




#25
Chloroform
Concen: 48.368 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

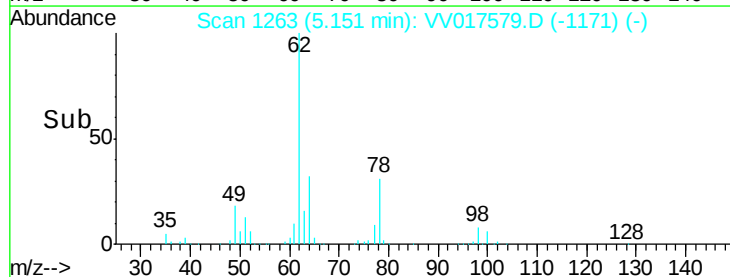
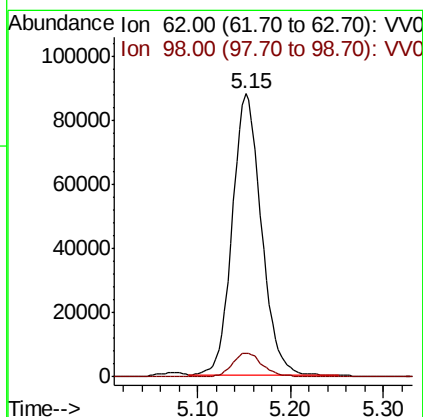
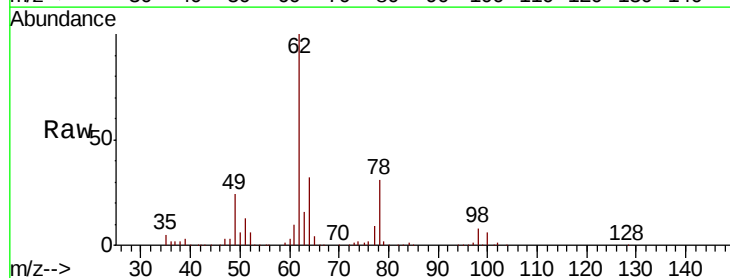
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

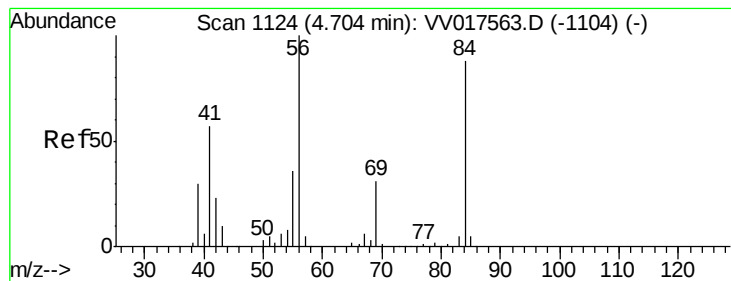
Tot Ion: 83 Resp: 226948
Ion Ratio Lower Upper
83 100
85 64.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 48.072 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Tgt Ion: 62 Resp: 191481
Ion Ratio Lower Upper
62 100
98 8.5 7.1 10.7





#29

Cyclohexane

Concen: 48.107 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

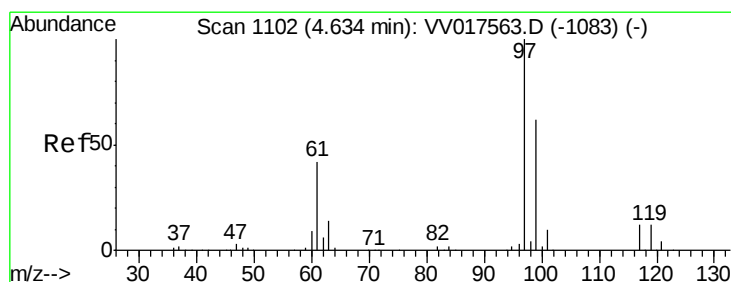
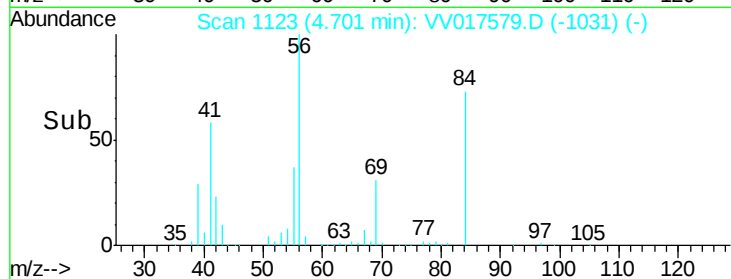
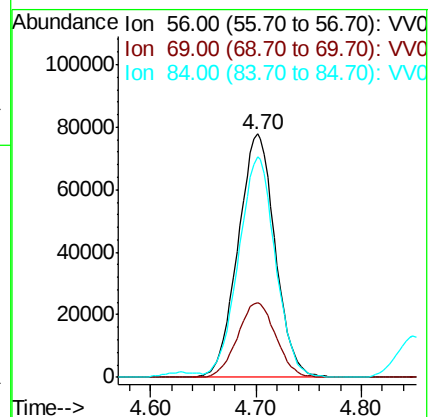
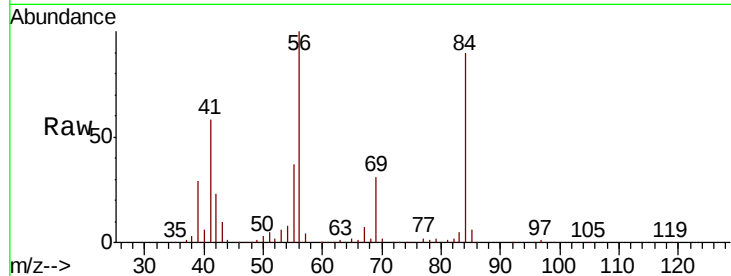
Tot Ion: 56 Resp: 189916

Ion Ratio Lower Upper

56 100

69 31.6 25.4 38.2

84 90.2 70.6 105.8



#30

1,1,1-Trichloroethane

Concen: 48.504 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

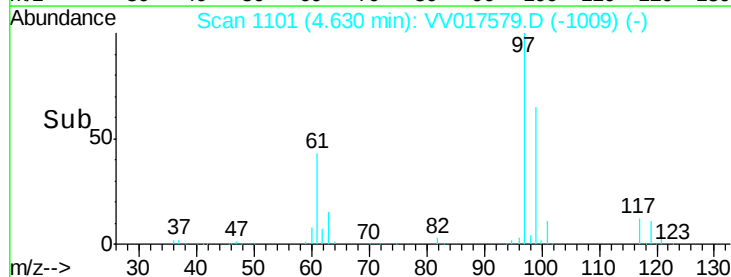
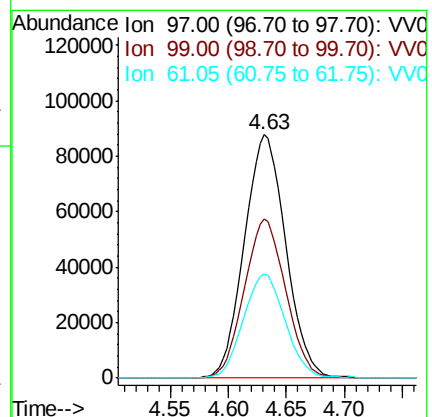
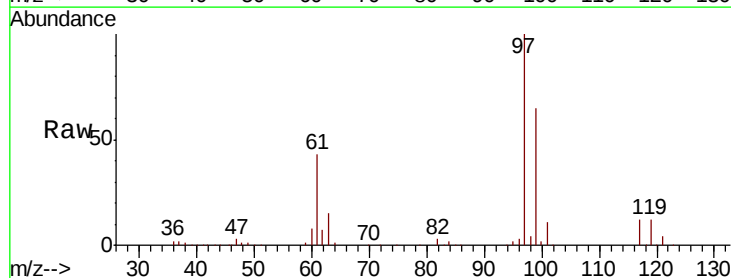
Tgt Ion: 97 Resp: 218663

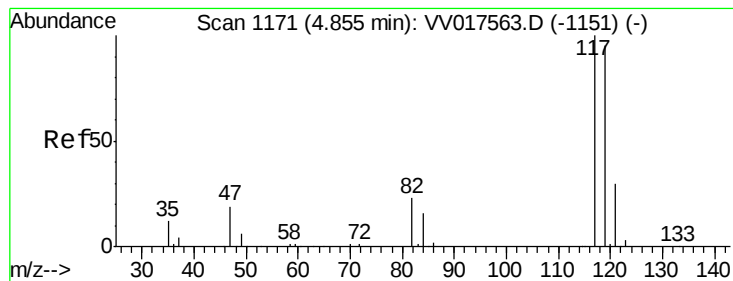
Ion Ratio Lower Upper

97 100

99 65.5 51.0 76.4

61 43.1 34.1 51.1





#31

Carbon tetrachloride

Concen: 49.140 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

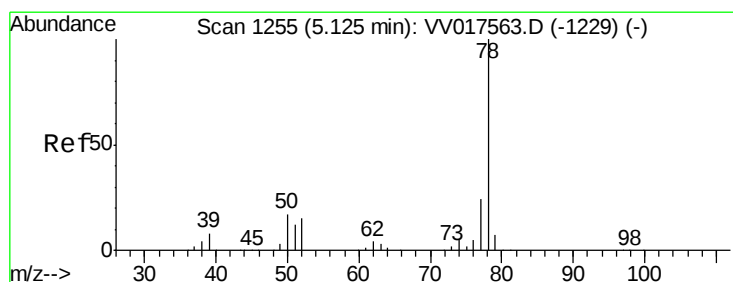
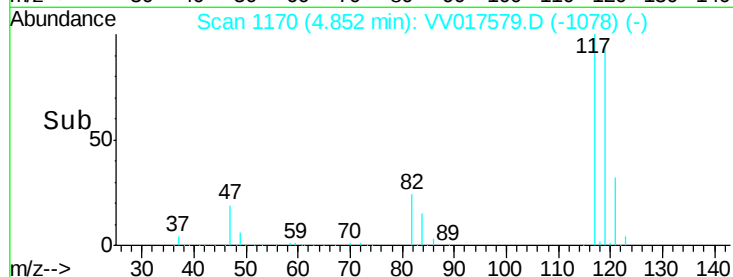
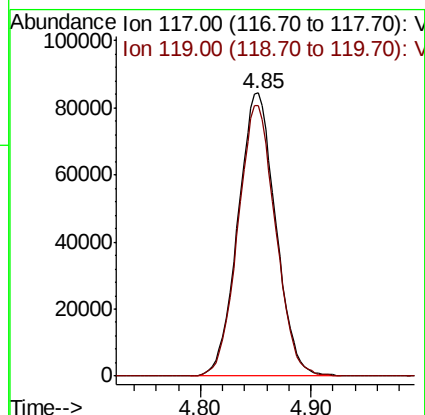
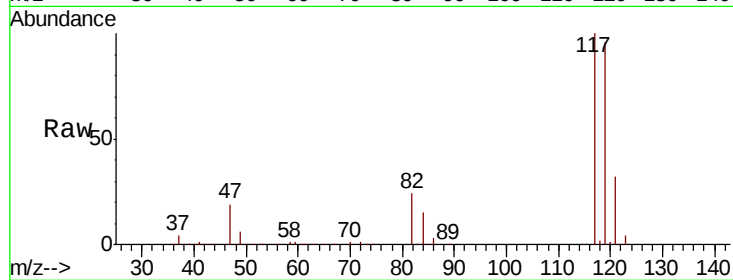
VSTD05087

Tot Ion:117 Resp: 200072

Ion Ratio Lower Upper

117 100

119 95.5 78.2 117.2



#33

Benzene

Concen: 48.005 ug/L

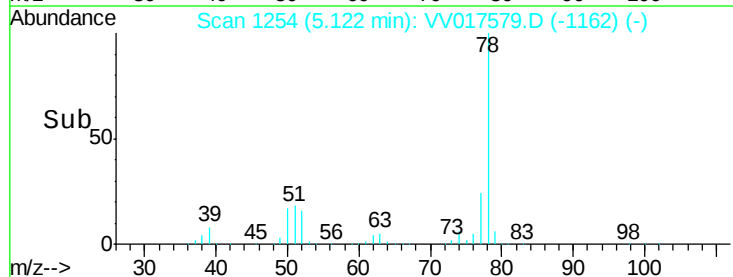
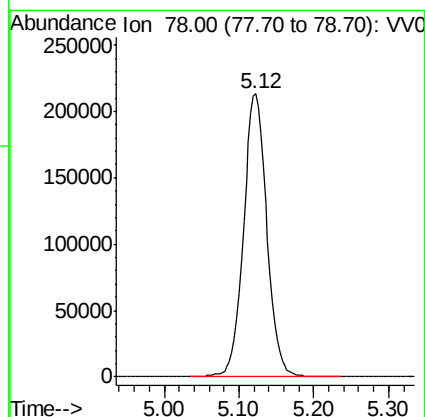
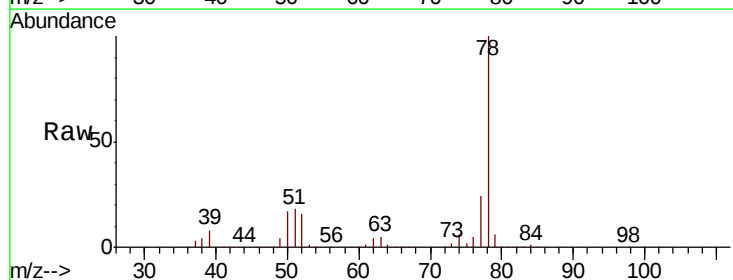
RT: 5.12 min Scan# 1254

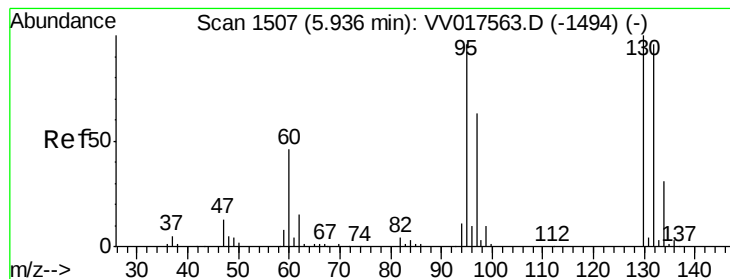
Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Tgt Ion: 78 Resp: 460954





#34

Trichloroethene

Concen: 47.232 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

Tot Ion: 95 Resp: 124903

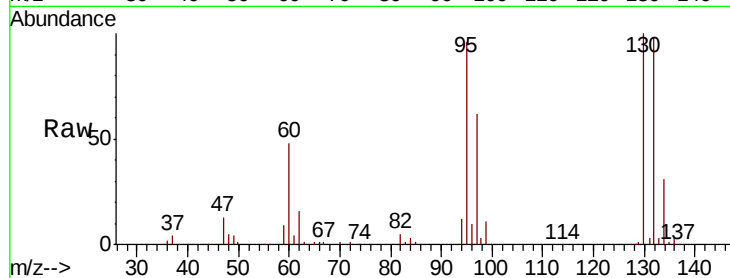
Ion Ratio Lower Upper

95 100

97 64.3 45.8 85.2

132 102.0 70.3 130.5

130 104.4 72.9 135.3

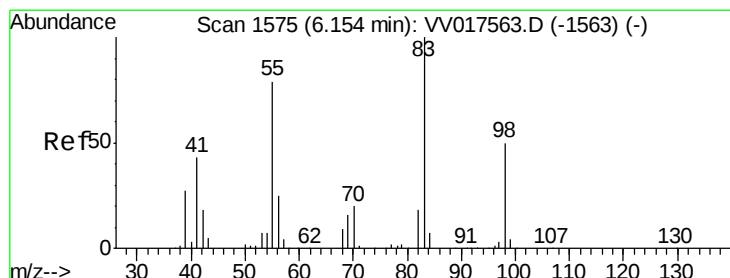
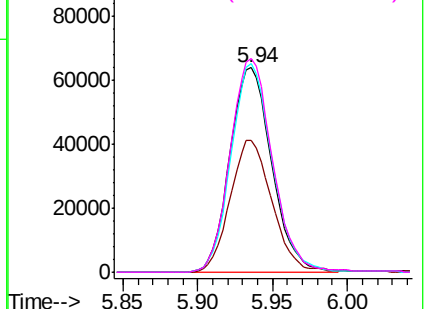
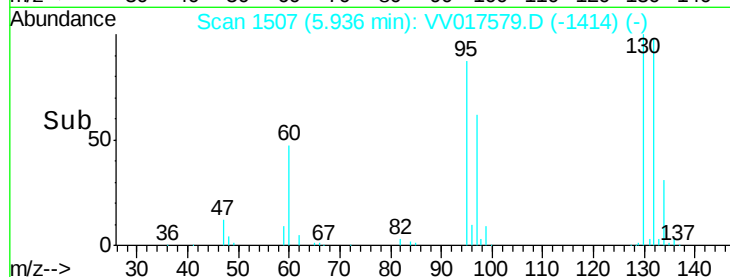


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.146 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

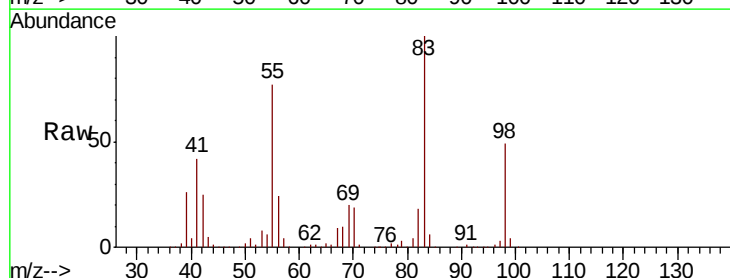
Tgt Ion: 83 Resp: 203050

Ion Ratio Lower Upper

83 100

55 77.9 61.7 92.5

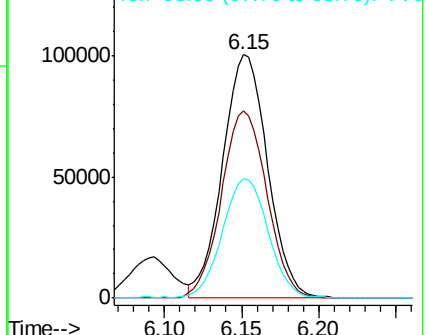
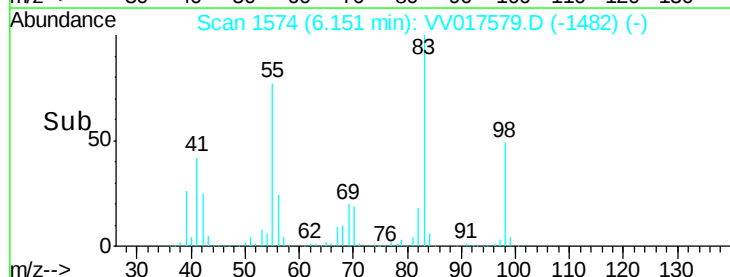
98 50.1 39.3 58.9

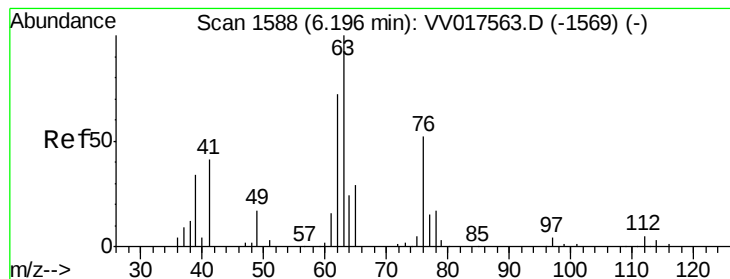


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 46.083 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

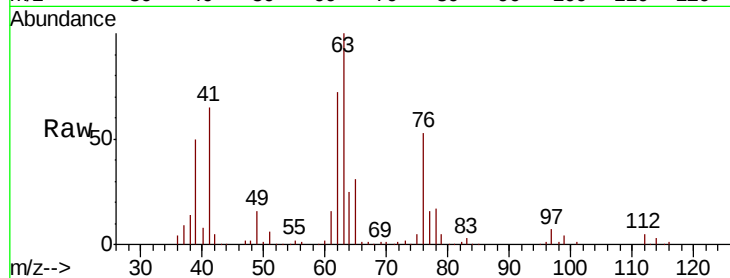
VSTD05087

Tot Ion: 63 Resp: 113175

Ion Ratio Lower Upper

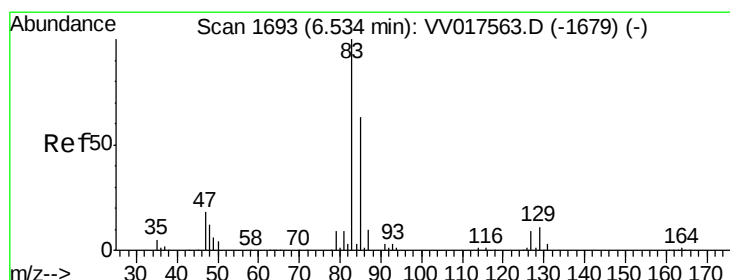
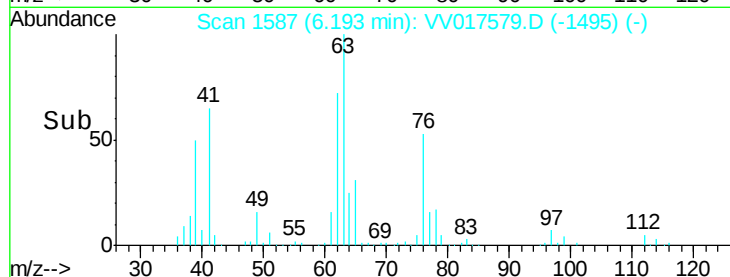
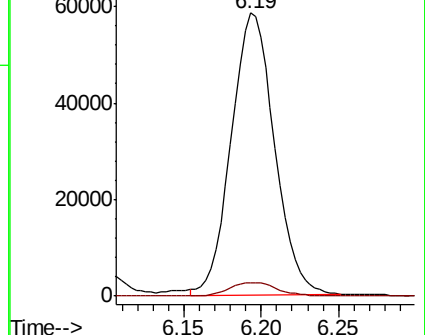
63 100

112 5.3 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: 48.137 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

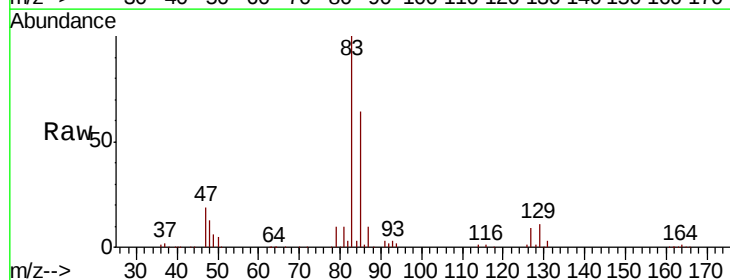
Tgt Ion: 83 Resp: 174182

Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.4

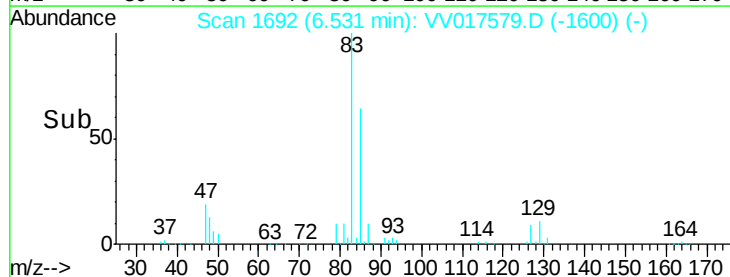
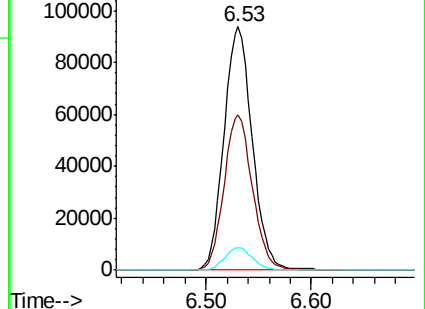
127 9.3 7.4 11.2

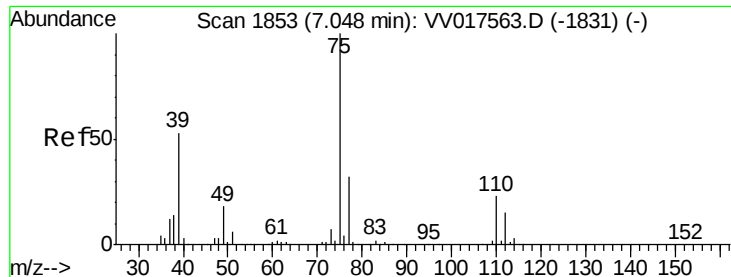


Abundance Ion 83.00 (82.70 to 83.70): VV017563.D (-1679) (-)

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

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

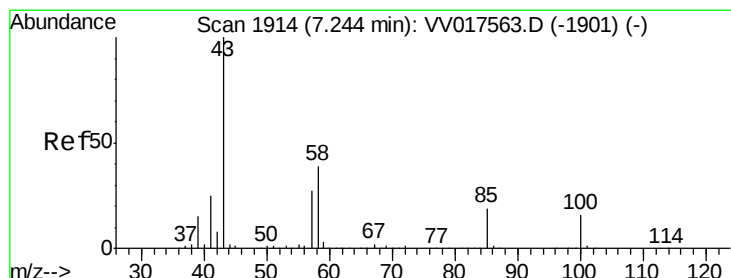
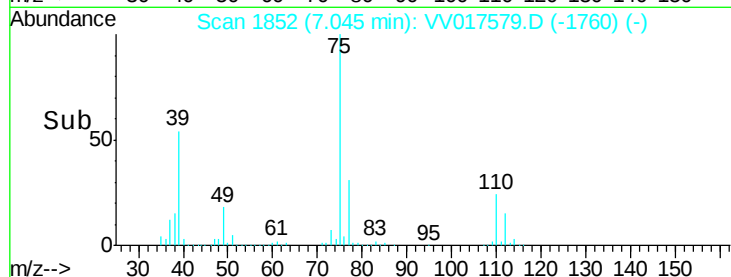
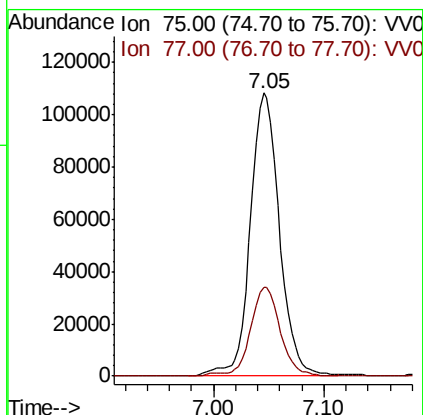
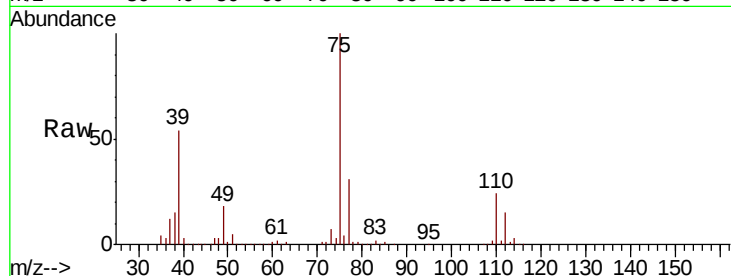




#39
 cis-1,3-Dichloropropene
 Concen: 48.237 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

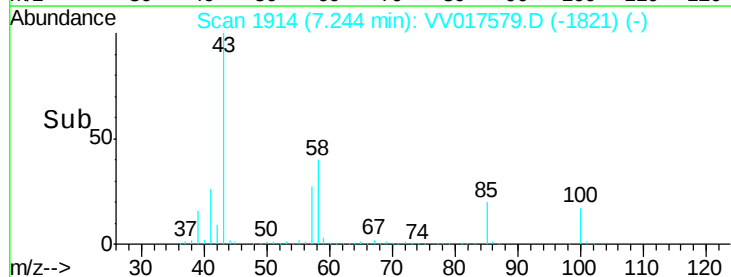
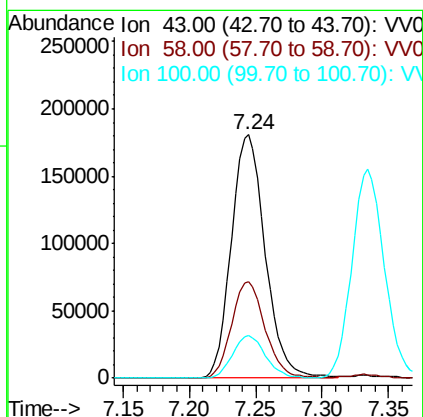
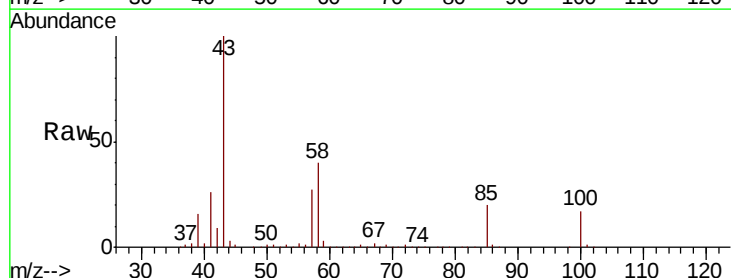
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

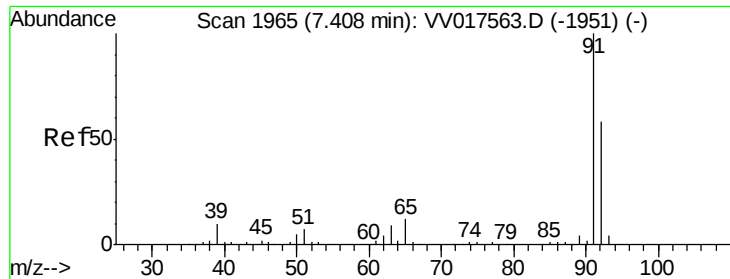
Tot Ion: 75 Resp: 198434
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 94.574 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

Tgt Ion: 43 Resp: 321227
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.5 47.3
 100 17.1 13.3 19.9





#42

Toluene

Concen: 47.488 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

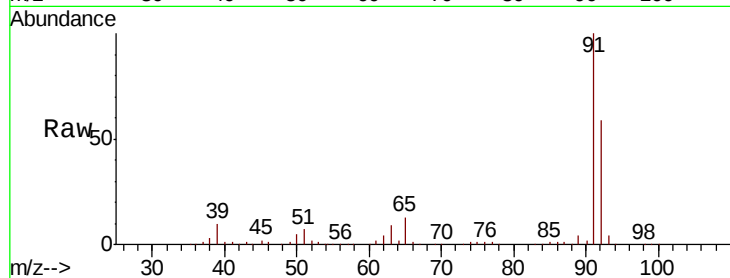
VSTD05087

Tot Ion: 91 Resp: 501055

Ion Ratio Lower Upper

91 100

92 58.9 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

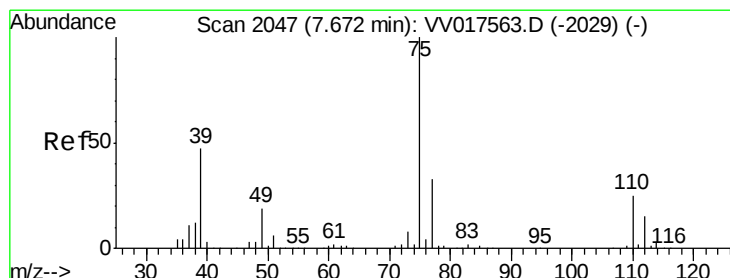
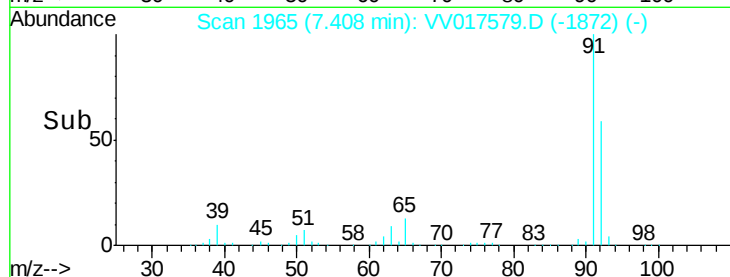
200000

100000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 48.919 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017579.D

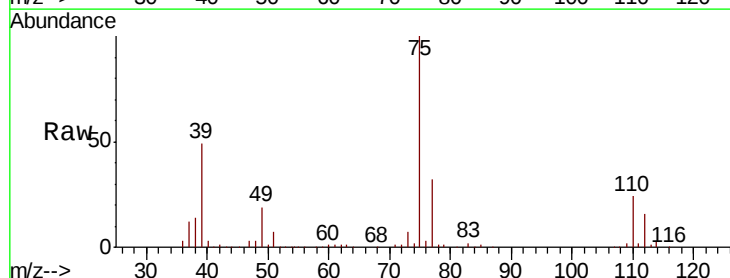
Acq: 22 Jul 2020 09:46

Tgt Ion: 75 Resp: 200806

Ion Ratio Lower Upper

75 100

77 31.5 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

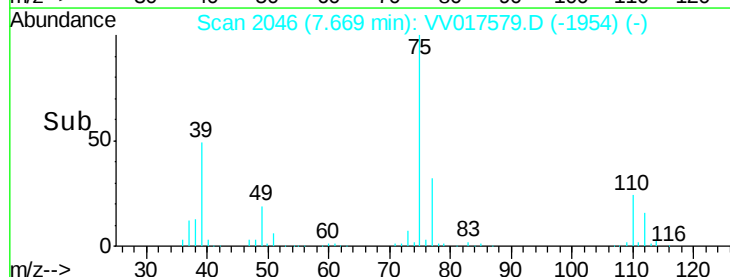
100000

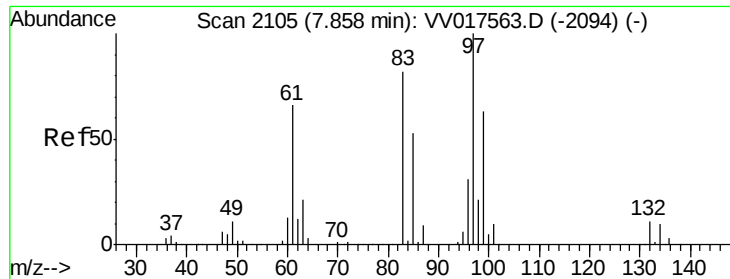
50000

0

Time-->

7.60 7.70

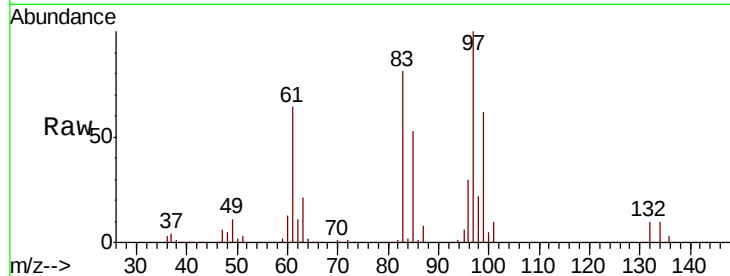




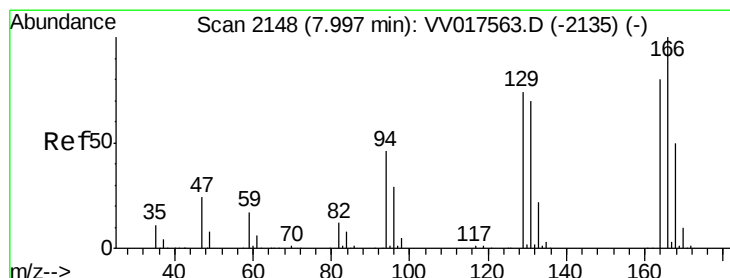
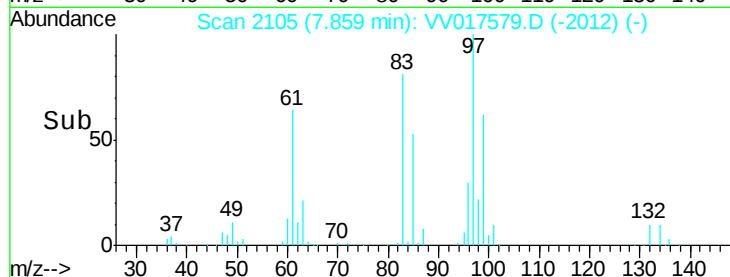
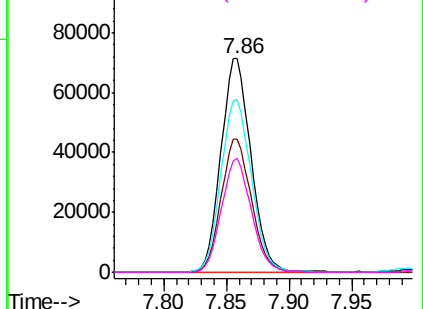
#45
 1,1,2-Trichloroethane
 Concen: 47.905 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion:	97	Resp:	118695
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.0
83	81.1	57.9	107.5
85	53.2	37.5	69.7

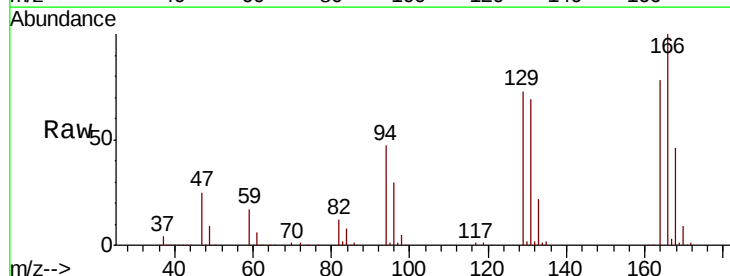


Abundance Ion 97.00 (96.70 to 97.70): VV017579.D (-2012) (-)

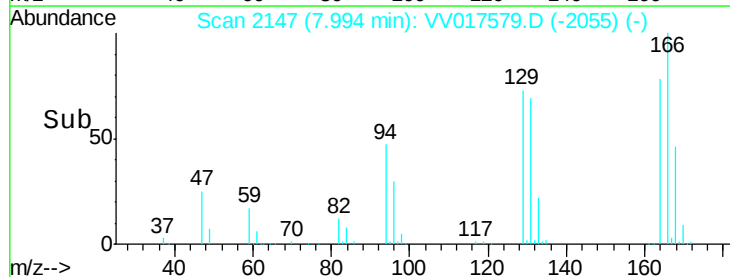
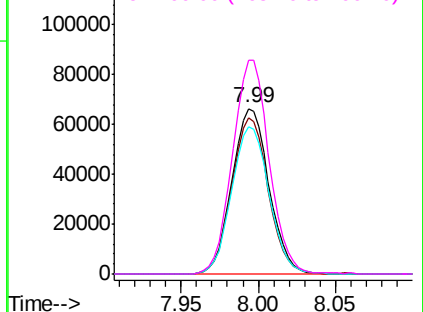


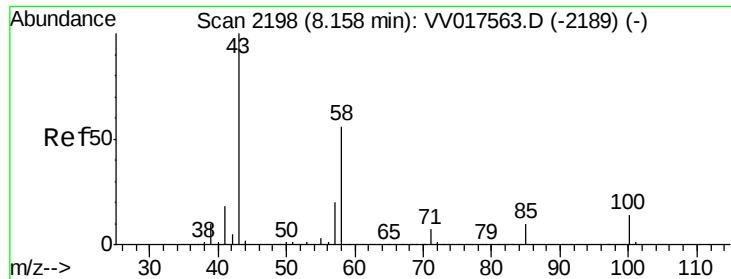
#46
 Tetrachloroethene
 Concen: 48.892 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

Tgt Ion:	164	Resp:	109936
Ion	Ratio	Lower	Upper
164	100		
129	94.5	64.3	119.5
131	89.3	61.5	114.1
166	129.0	87.2	162.0



Abundance Ion 164.00 (163.70 to 164.70): VV017579.D (-2055) (-)

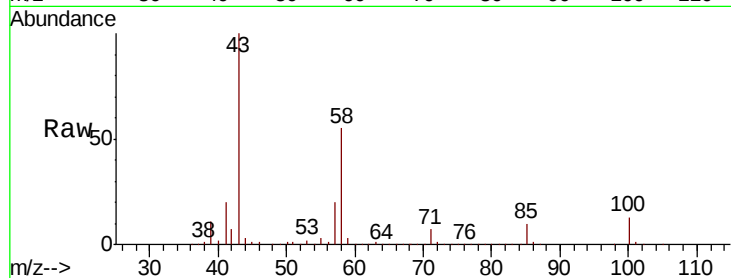




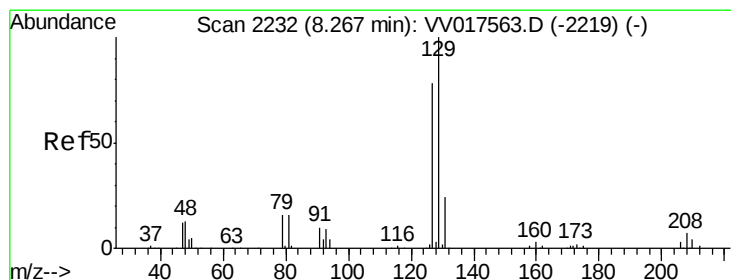
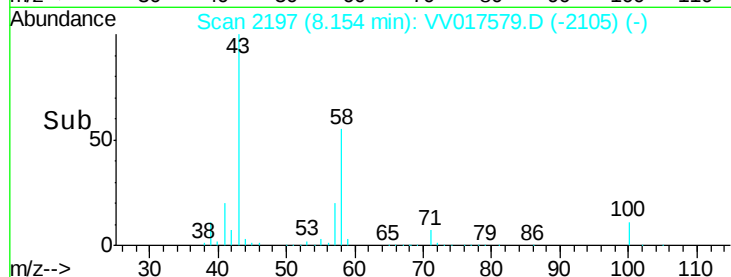
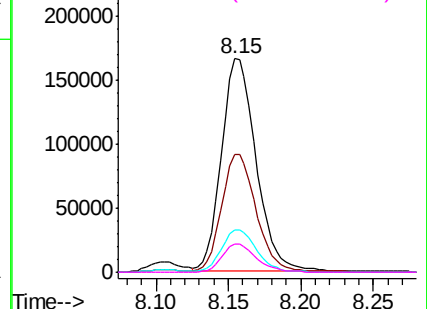
#48
2-Hexanone
Concen: 101.619 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

Tot Ion: 43 Resp: 274893
Ion Ratio Lower Upper
43 100
58 54.3 44.3 66.5
57 20.0 16.9 25.3
100 13.3 11.0 16.4

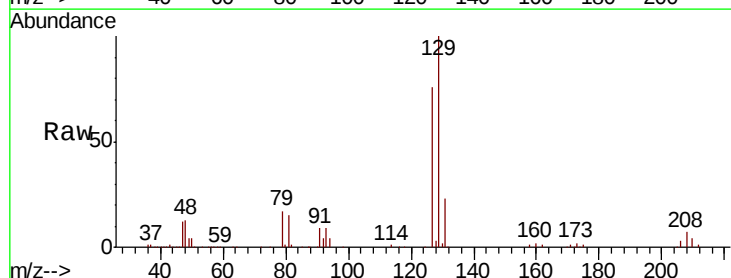


Abundance Ion 43.00 (42.70 to 43.70): VV017579.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV017579.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV017579.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV017579.D (-2105) (-)

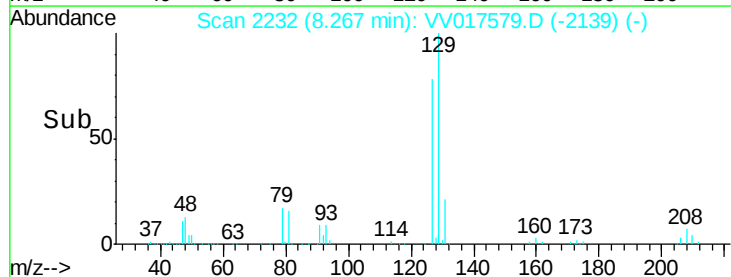
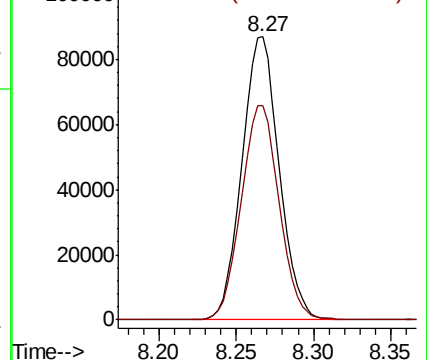


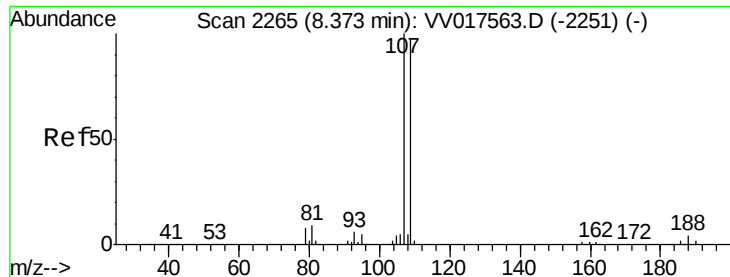
#49
Dibromochloromethane
Concen: 48.261 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Tgt Ion: 129 Resp: 145800
Ion Ratio Lower Upper
129 100
127 75.7 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV017579.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV017579.D (-2139) (-)

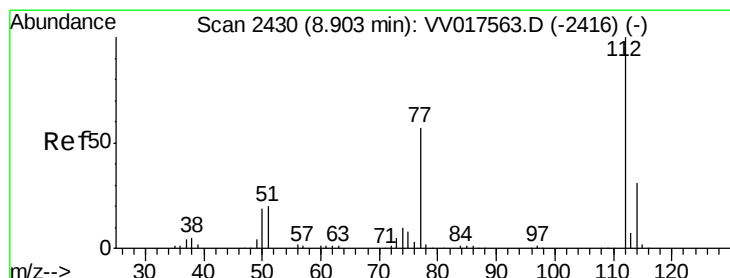
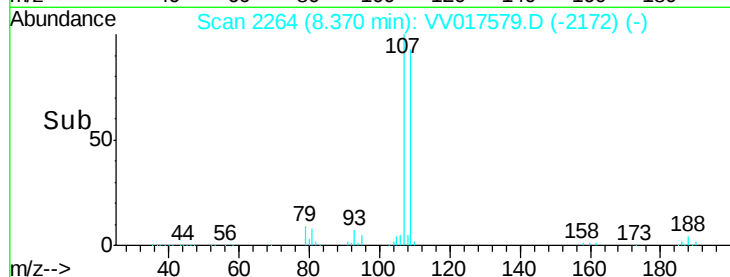
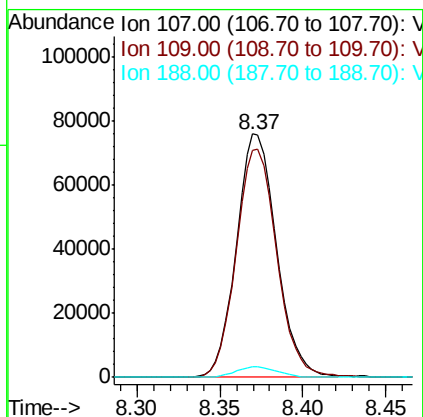
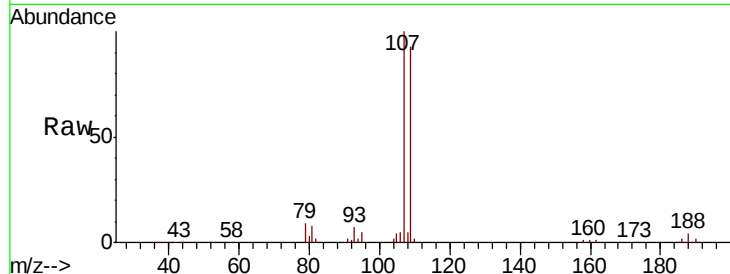




#50
1,2-Dibromoethane
Concen: 47.342 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

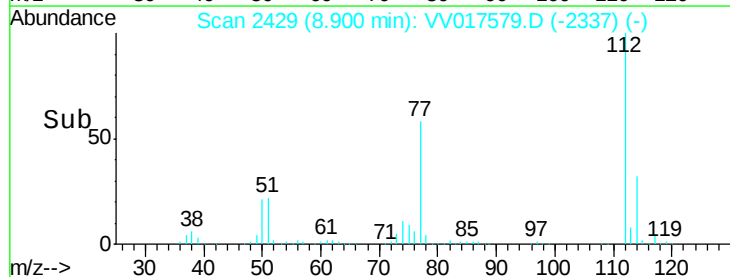
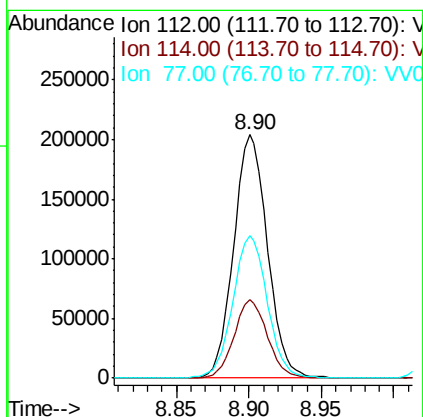
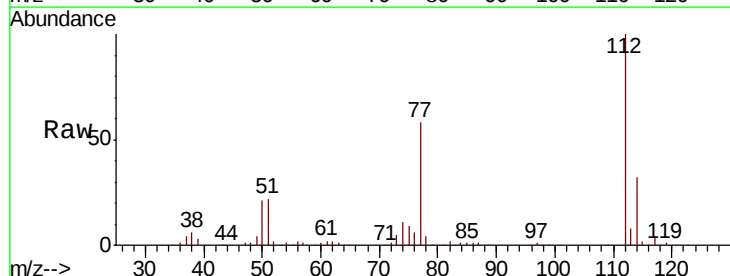
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

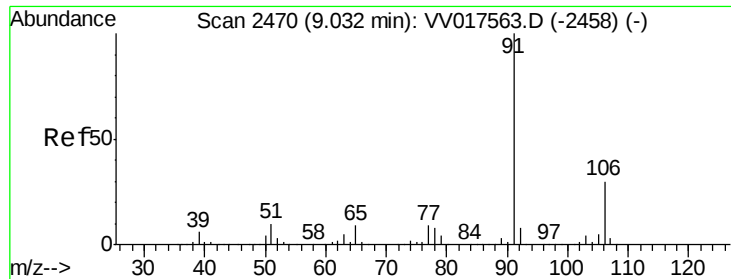
Tot Ion:107 Resp: 127562
Ion Ratio Lower Upper
107 100
109 93.5 67.7 125.7
188 4.2 3.5 5.3



#51
Chlorobenzene
Concen: 47.069 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Tgt Ion:112 Resp: 329585
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 58.3 46.1 69.1

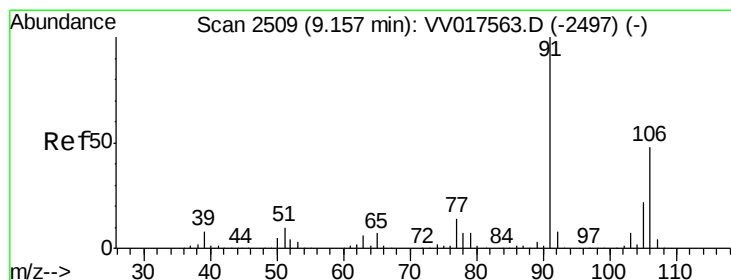
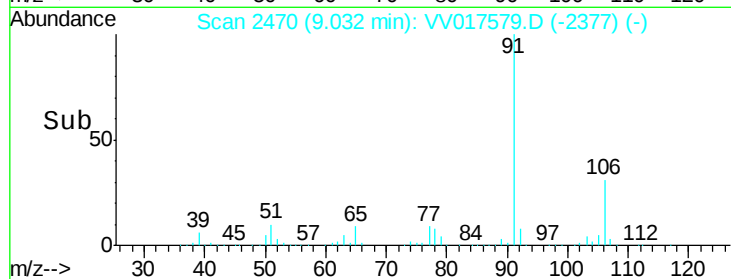
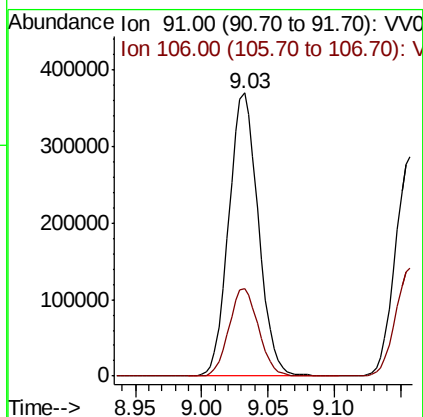
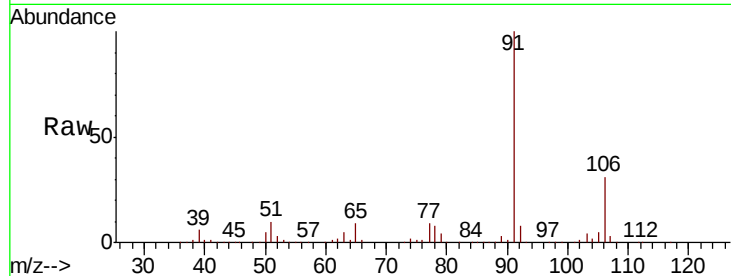




#52
Ethylbenzene
Concen: 48.489 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

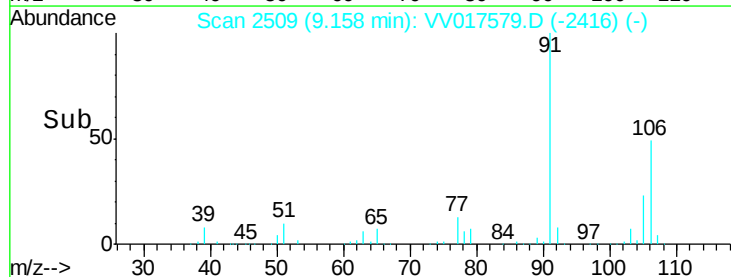
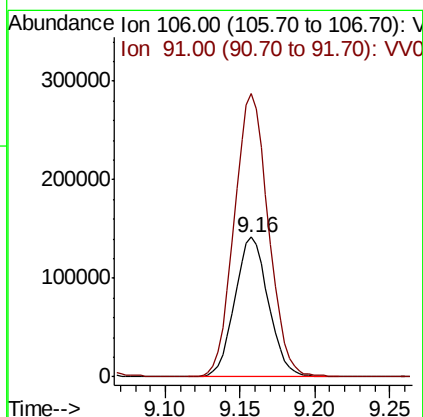
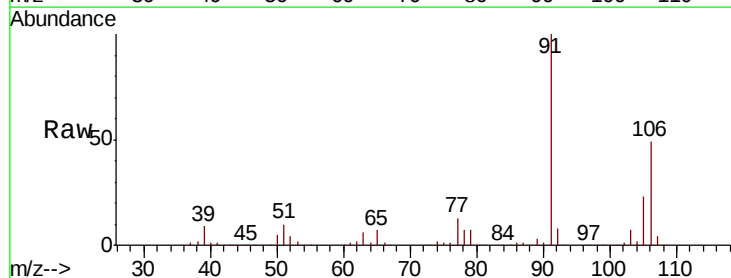
Instrument :
MSVOA_V
ClientSampleId :
VSTD05087

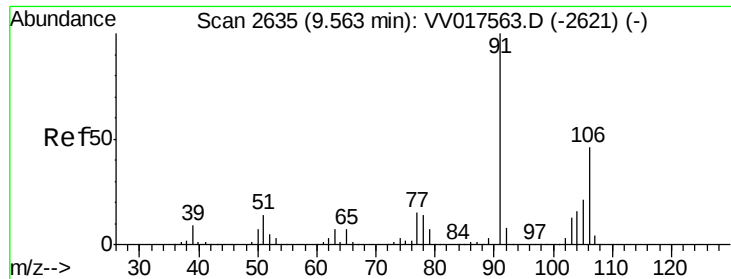
Tot Ion: 91 Resp: 572634
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.6



#53
m,p-Xylene
Concen: 49.028 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017579.D
Acq: 22 Jul 2020 09:46

Tgt Ion: 106 Resp: 221837
Ion Ratio Lower Upper
106 100
91 202.5 146.2 271.6





#54

o-xylene

Concen: 48.431 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

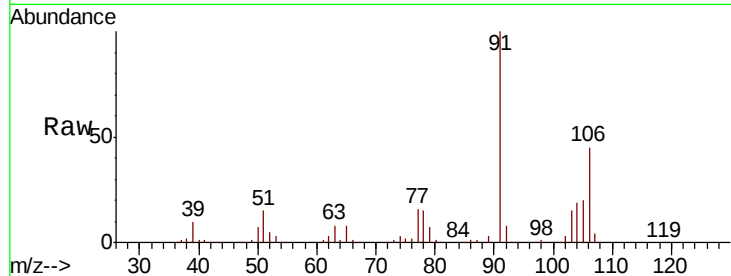
VSTD05087

Tot Ion:106 Resp: 212855

Ion Ratio Lower Upper

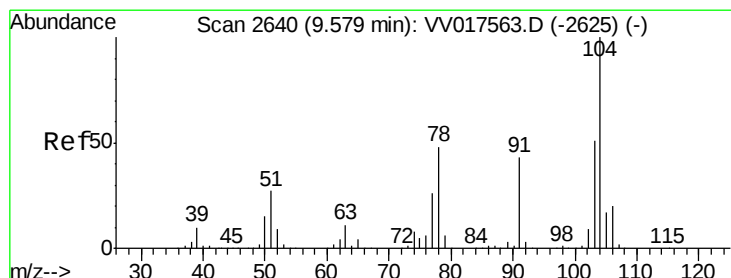
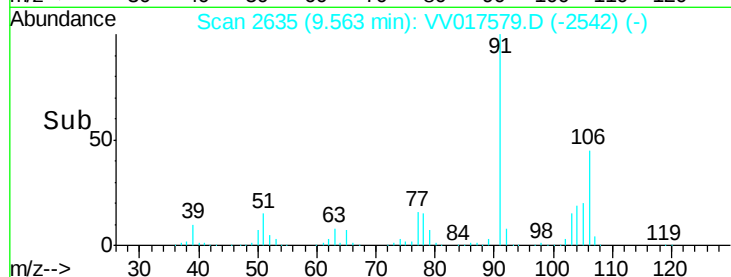
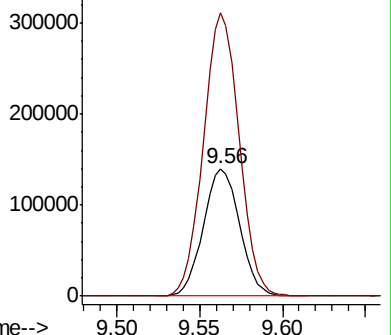
106 100

91 221.8 153.6 285.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.565 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017579.D

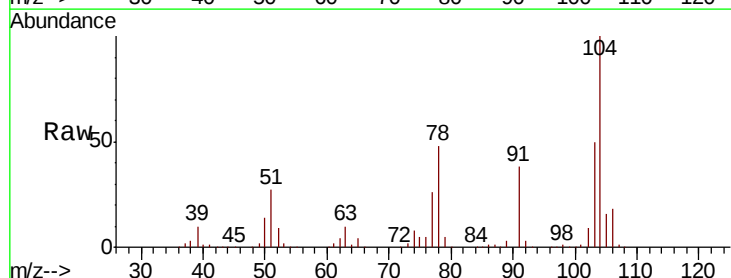
Acq: 22 Jul 2020 09:46

Tgt Ion:104 Resp: 370602

Ion Ratio Lower Upper

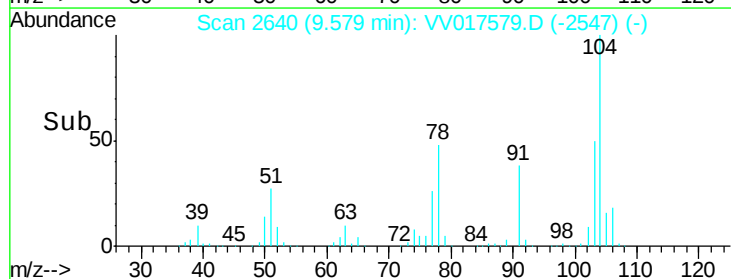
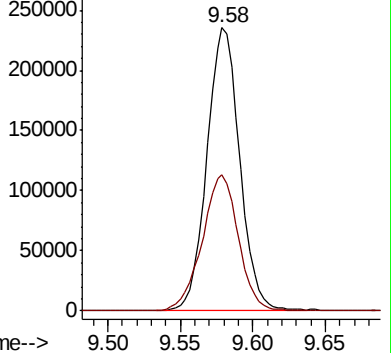
104 100

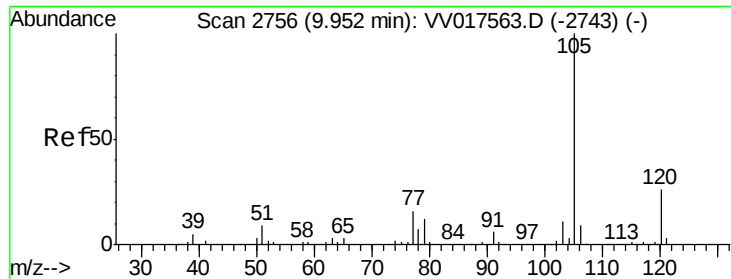
78 48.1 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.094 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampled :

VSTD05087

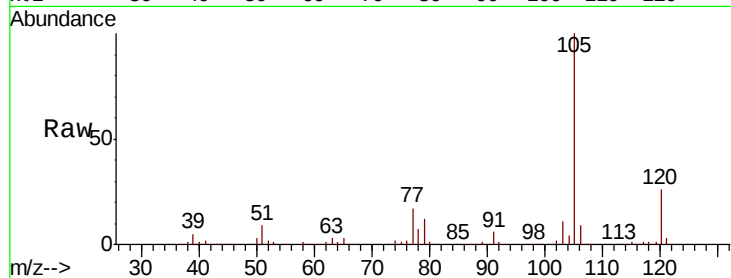
Tot Ion:105 Resp: 584896

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

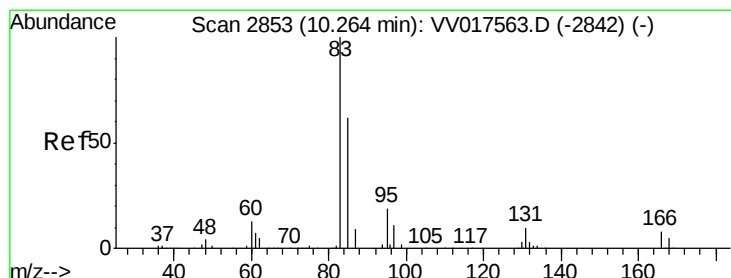
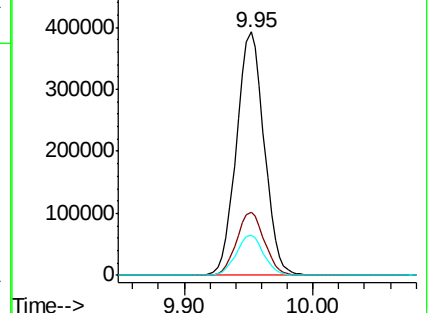
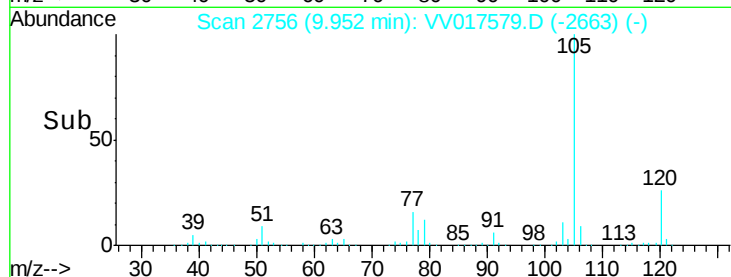
77 16.3 12.8 19.2



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: 46.015 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

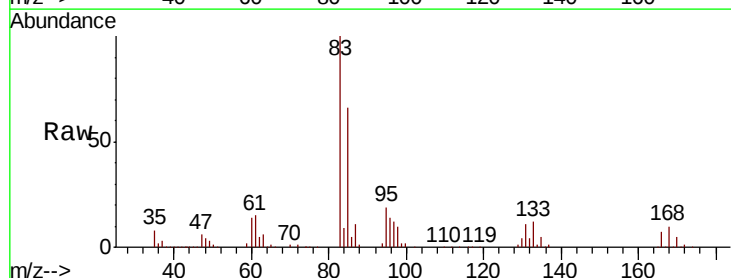
Tgt Ion: 83 Resp: 179851

Ion Ratio Lower Upper

83 100

85 65.7 44.5 82.7

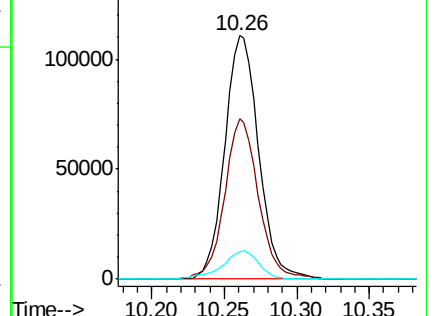
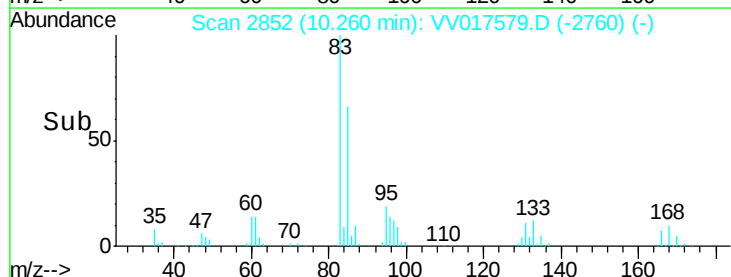
131 11.4 8.9 13.3

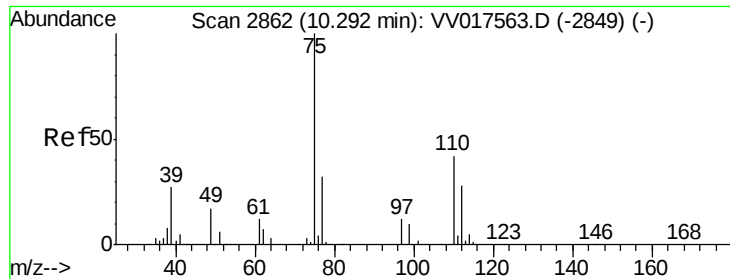


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.391 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

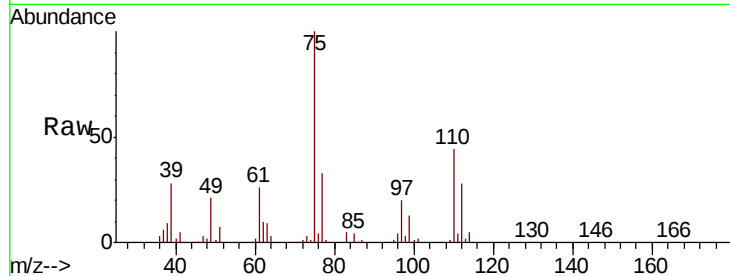
VSTD05087

Tot Ion: 75 Resp: 149888

Ion Ratio Lower Upper

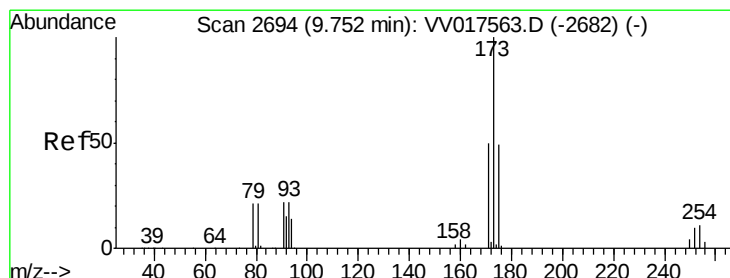
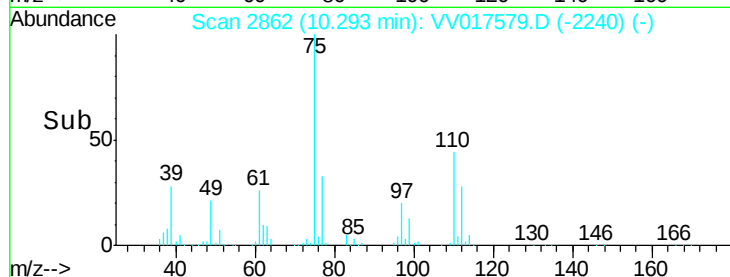
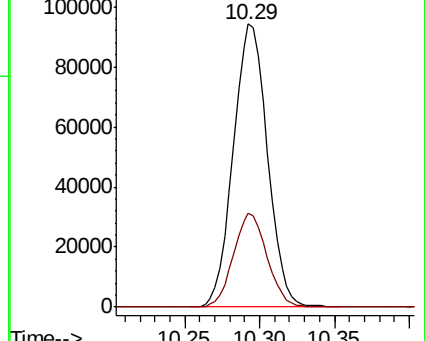
75 100

77 32.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 46.802 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

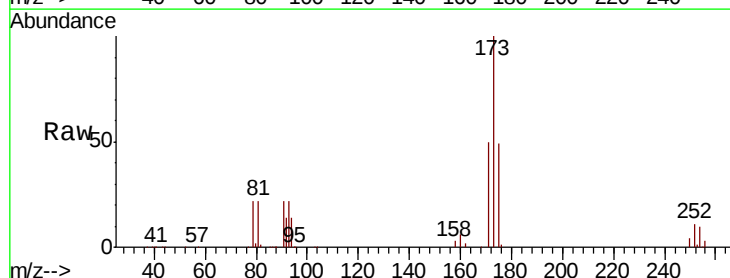
Tgt Ion: 173 Resp: 107287

Ion Ratio Lower Upper

173 100

175 49.5 38.5 57.7

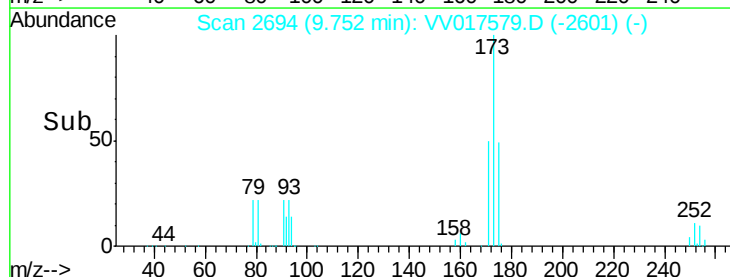
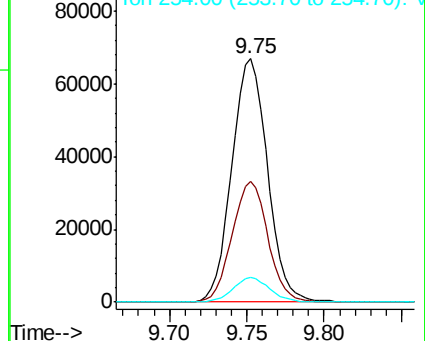
254 10.2 8.3 12.5

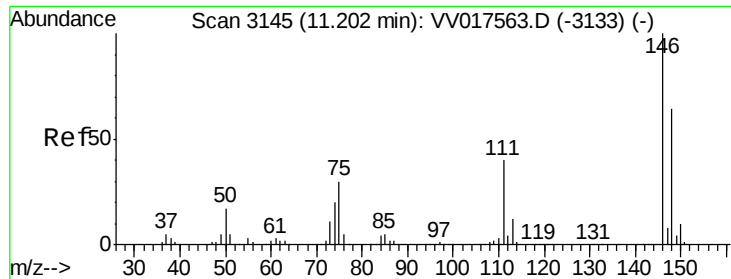


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

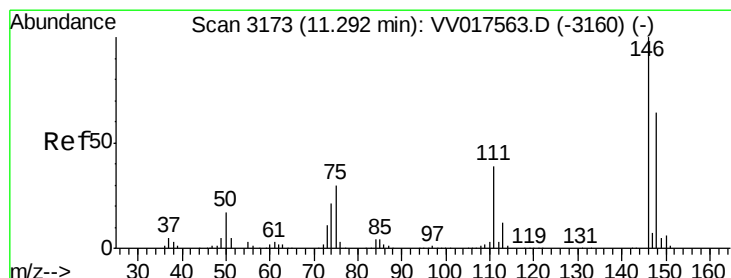
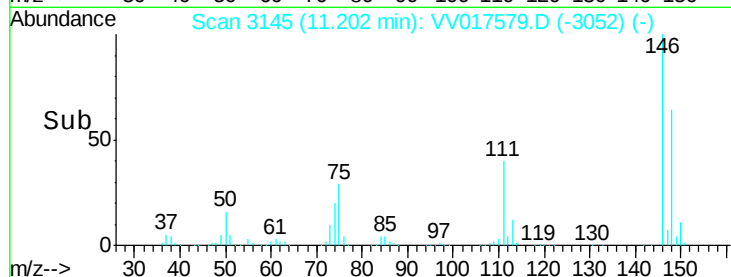
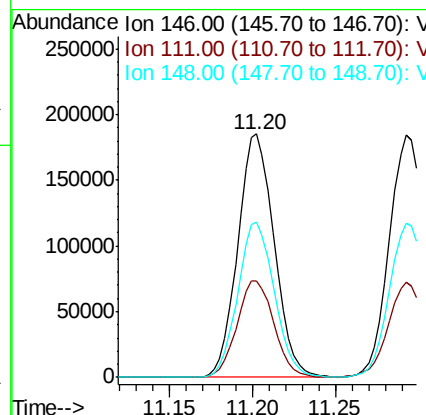
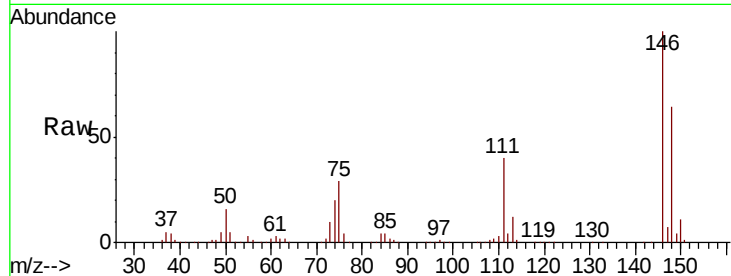




#62
 1,3-Dichlorobenzene
 Concen: 47.958 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

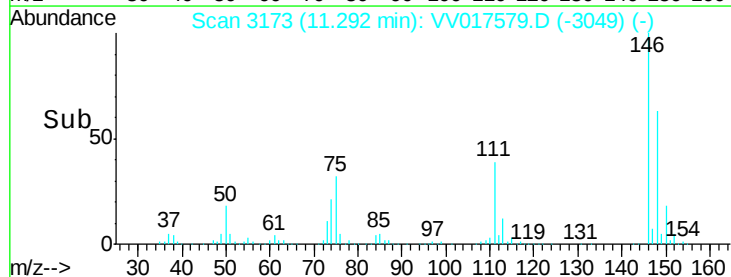
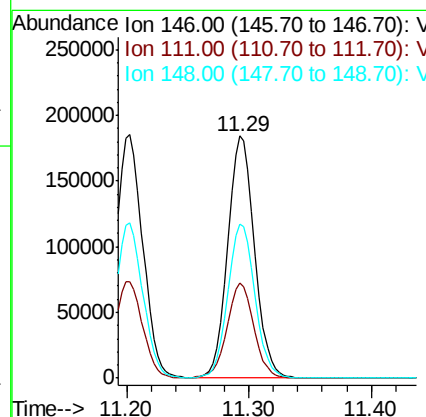
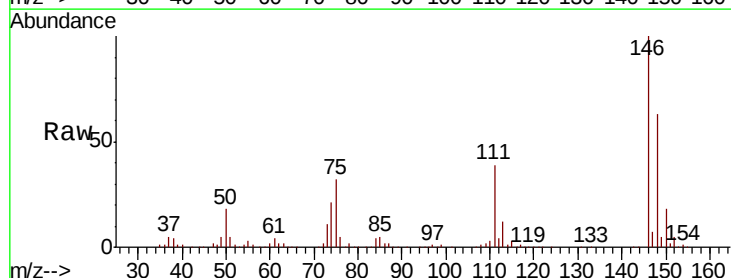
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

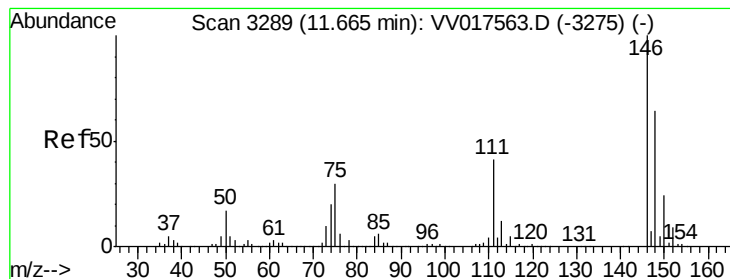
Tot Ion:146 Resp: 282675
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.2 52.4
 148 63.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 47.438 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

Tgt Ion:146 Resp: 285394
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.3 50.7
 148 63.5 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 48.094 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

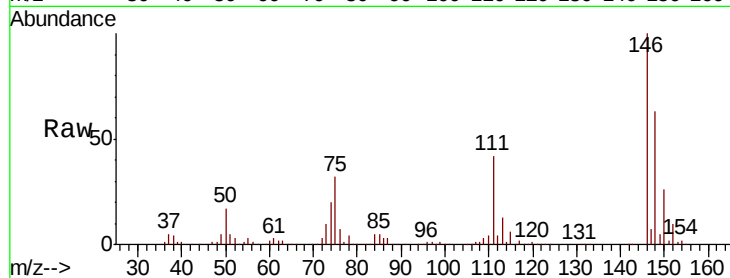
Tot Ion:146 Resp: 287390

Ion Ratio Lower Upper

146 100

111 42.1 32.9 49.3

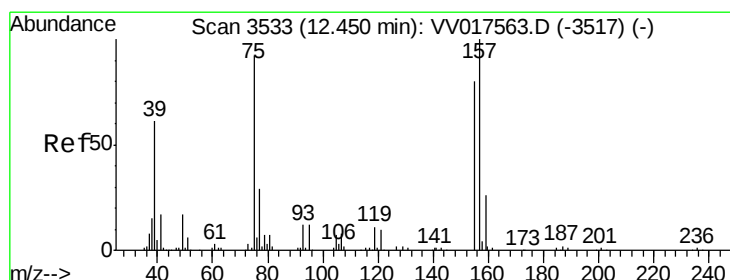
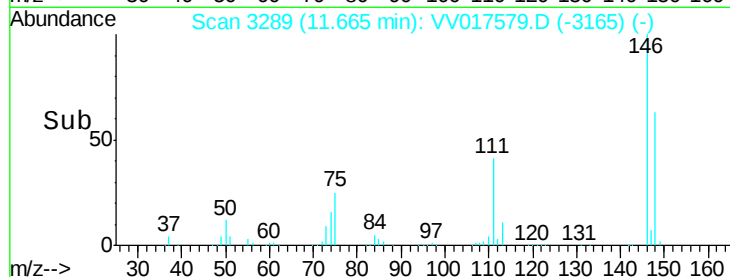
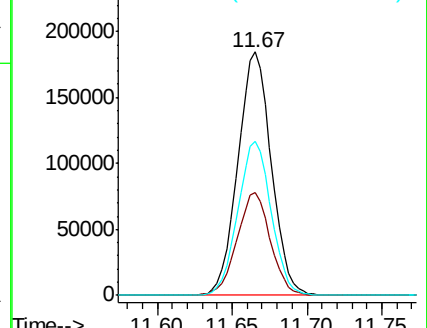
148 63.3 51.0 76.4



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: 47.915 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

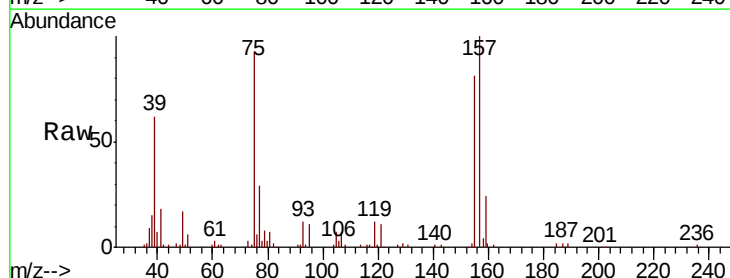
Tgt Ion: 75 Resp: 47392

Ion Ratio Lower Upper

75 100

155 87.0 69.2 103.8

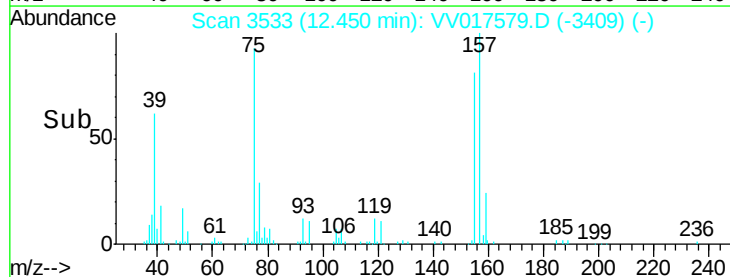
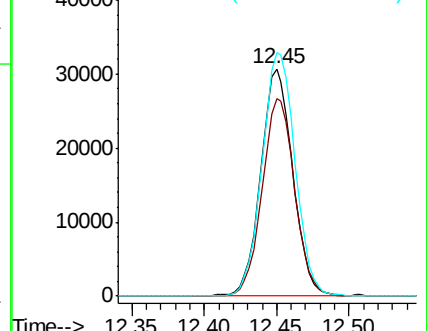
157 107.2 86.9 130.3

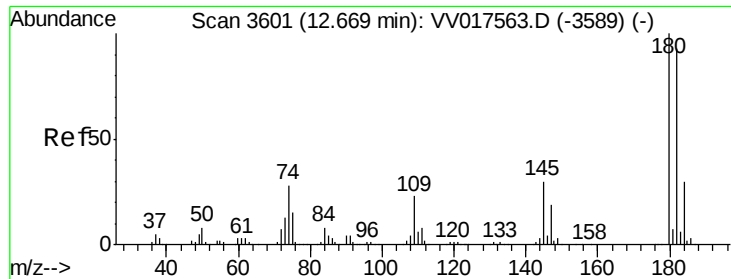


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

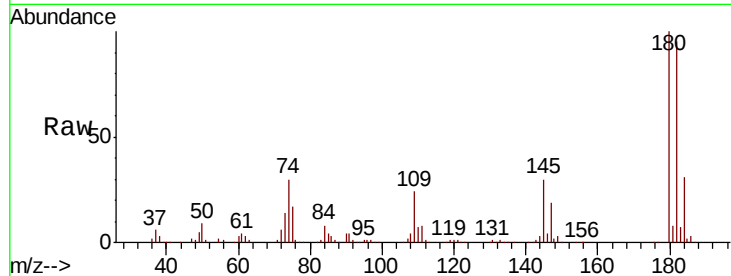




#67
 1,3,5-Trichlorobenzene
 Concen: 48.452 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	30.7	24.5	36.7
145	29.7	24.2	36.2

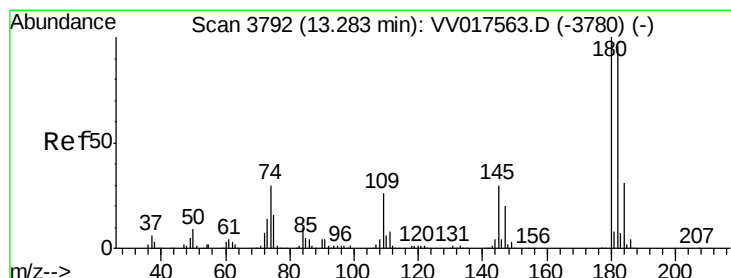
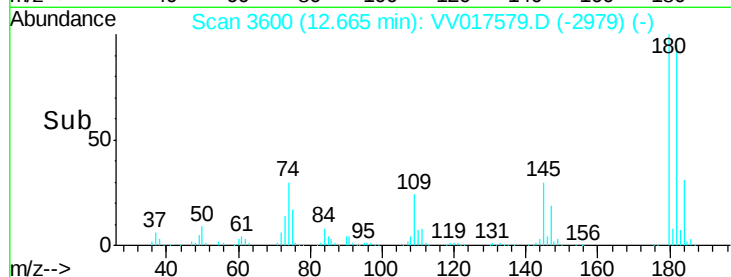
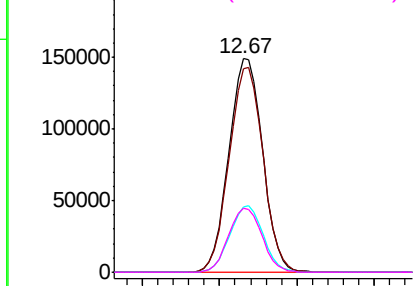


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

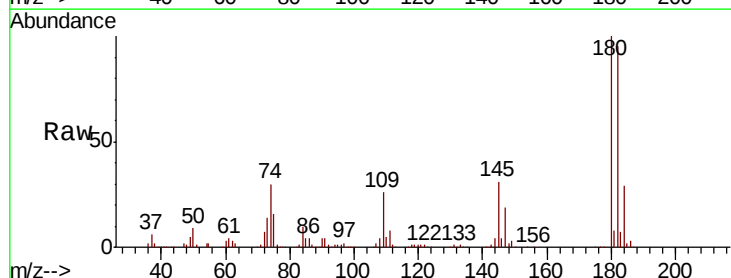
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.242 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017579.D
 Acq: 22 Jul 2020 09:46

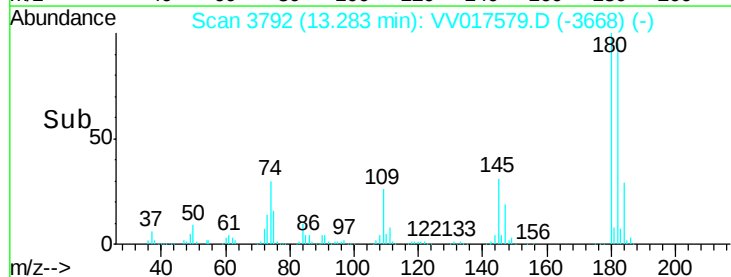
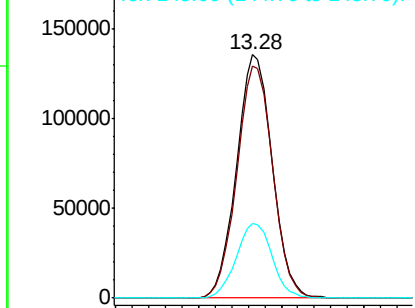
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
145	30.9	24.1	36.1

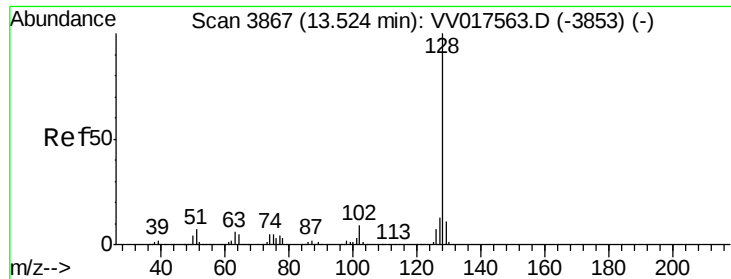


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.099 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05087

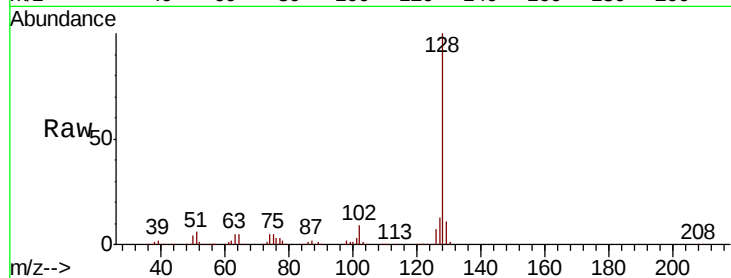
Tot Ion:128 Resp: 590407

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

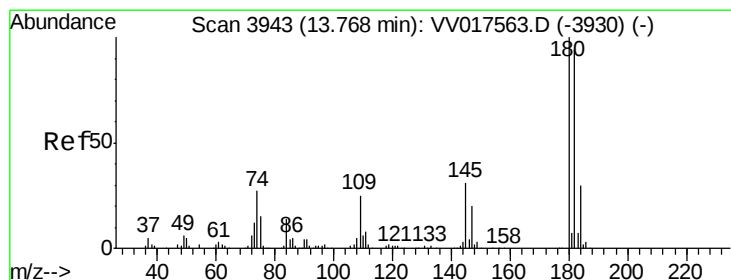
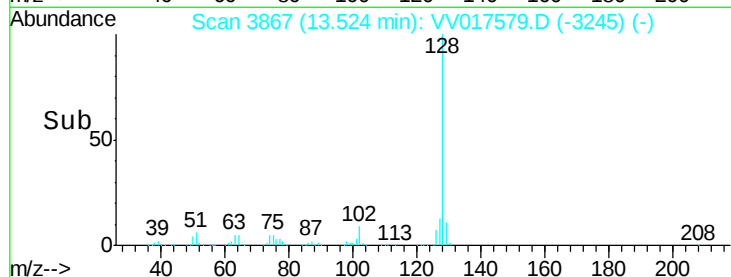
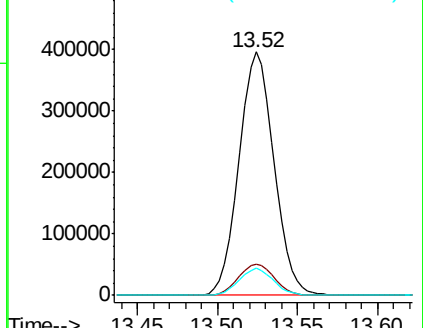
129 10.9 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 49.398 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017579.D

Acq: 22 Jul 2020 09:46

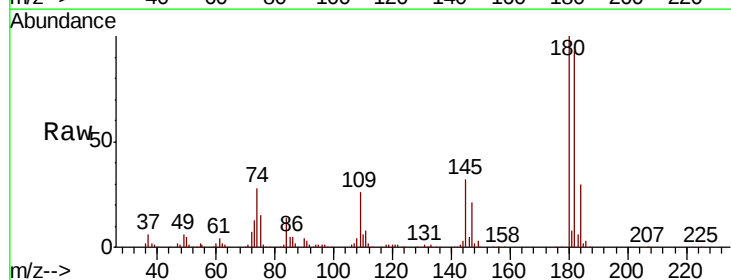
Tgt Ion:180 Resp: 203929

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.8

145 32.4 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

