

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072220\
 Data File : VV017595.D
 Acq On : 22 Jul 2020 19:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Jul 23 05:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 05:23:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	316483	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	301775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162993	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88701	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.58	69	65470	49.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.64%
11) 1,1-Dichloroethene-d2	2.12	63	189732	48.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.64%
21) 2-Butanone-d5	3.91	46	153301	103.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.77%
24) Chloroform-d	4.38	84	230253	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
26) 1,2-Dichloroethane-d4	5.06	65	155060	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
32) Benzene-d6	5.07	84	402757	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
36) 1,2-Dichloropropane-d6	6.09	67	122161	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.34	98	385420	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.64	79	70479	50.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.66%
47) 2-Hexanone-d5	8.11	63	114193	102.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.97%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	174415	50.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	174041	51.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	165318	50.498	ug/L 100
3) Chloromethane	1.25	50	119575	47.955	ug/L 99
5) Vinyl chloride	1.32	62	118599	49.791	ug/L 99
6) Bromomethane	1.53	94	74967	50.251	ug/L 99
8) Chloroethane	1.60	64	62754	51.382	ug/L 99
9) Trichlorofluoromethane	1.76	101	194325	49.236	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96542	49.534	ug/L 97
12) 1,1-Dichloroethene	2.13	96	91012	50.388	ug/L 95
13) Acetone	2.20	43	116383	87.294	ug/L 96
14) Carbon disulfide	2.31	76	311887	47.645	ug/L 99
15) Methyl Acetate	2.45	43	115777	50.941	ug/L 100
16) Methylene chloride	2.52	84	118439	49.565	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	110130	48.718	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	384500	50.890	ug/L 100
19) 1,1-Dichloroethane	3.21	63	206365	50.664	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	121799	50.177	ug/L 98
22) 2-Butanone	4.00	43	161546	97.557	ug/L 96

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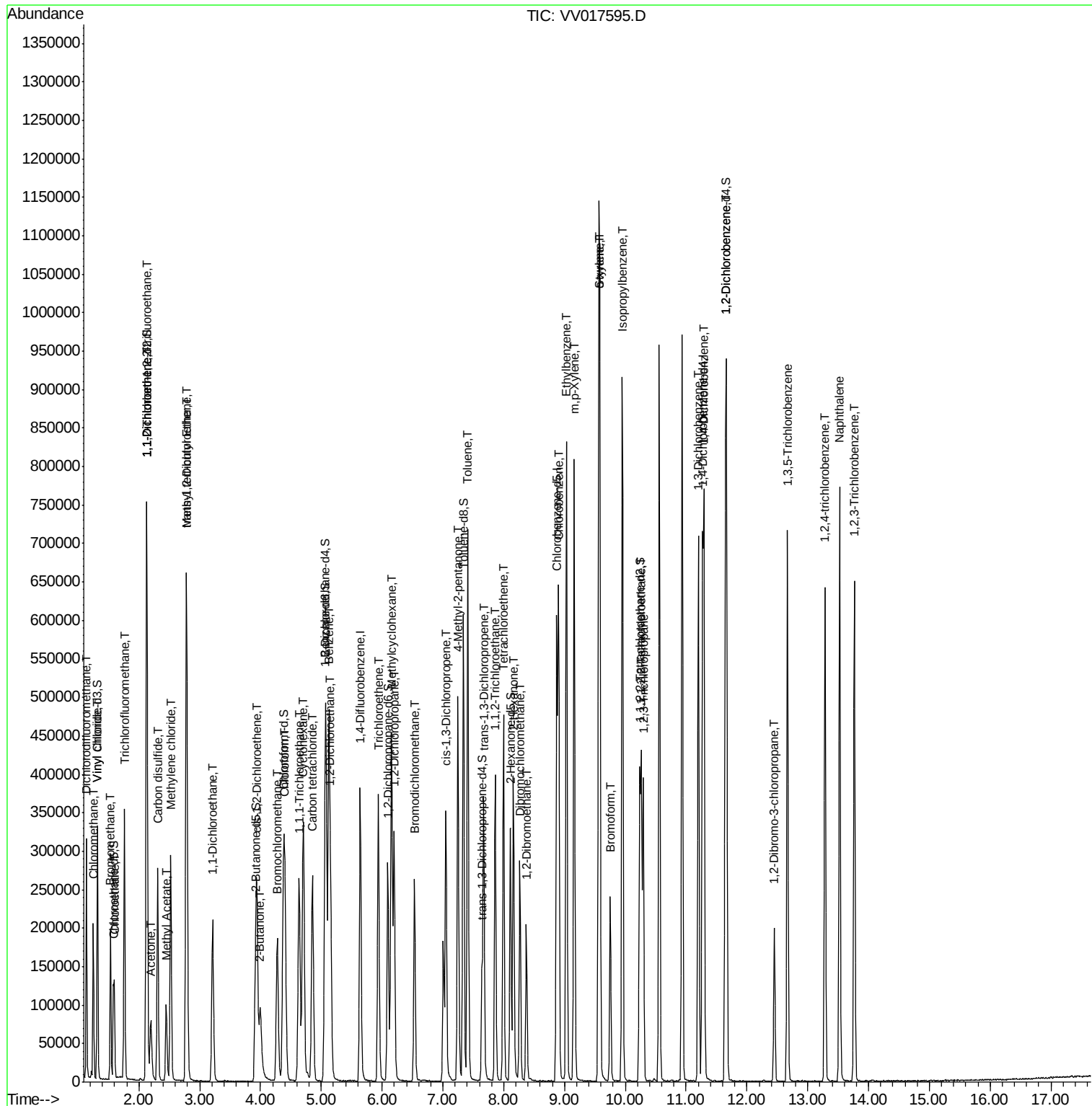
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	67652	50.706	ug/L	98
25) Chloroform	4.40	83	224636	51.165	ug/L	100
27) 1,2-Dichloroethane	5.15	62	193777	51.992	ug/L	99
29) Cyclohexane	4.70	56	176454	48.379	ug/L	96
30) 1,1,1-Trichloroethane	4.63	97	216481	51.977	ug/L	100
31) Carbon tetrachloride	4.86	117	194064	51.591	ug/L	99
33) Benzene	5.13	78	452129	50.965	ug/L	100
34) Trichloroethene	5.94	95	122378	50.090	ug/L	99
35) Methylcyclohexane	6.16	83	188086	49.275	ug/L	99
37) 1,2-Dichloropropane	6.20	63	113637	50.083	ug/L	99
38) Bromodichloromethane	6.53	83	172875	51.712	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	192931	50.763	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	316370	100.818	ug/L	99
42) Toluene	7.41	91	498174	51.105	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	199397	52.578	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	115311	50.374	ug/L	99
46) Tetrachloroethene	8.00	164	105047	50.567	ug/L	96
48) 2-Hexanone	8.16	43	246799	98.750	ug/L	98
49) Dibromochloromethane	8.27	129	142229	50.958	ug/L	99
50) 1,2-Dibromoethane	8.37	107	127083	51.050	ug/L	98
51) Chlorobenzene	8.90	112	325033	50.243	ug/L	99
52) Ethylbenzene	9.03	91	559517	51.281	ug/L	99
53) m,p-Xylene	9.16	106	212270	50.778	ug/L	100
54) o-xylene	9.56	106	211876	52.180	ug/L	99
55) Styrene	9.58	104	360931	52.249	ug/L	99
56) Isopropylbenzene	9.95	105	569601	51.749	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	180148	49.888	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	150657	50.471	ug/L	99
61) Bromoform	9.75	173	107447	50.482	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	274667	50.188	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	277496	49.677	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	281092	50.662	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	47383	51.595	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	217036	50.234	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	193716	50.552	ug/L	99
69) Naphthalene	13.52	128	572050	53.323	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	194283	50.686	ug/L	99

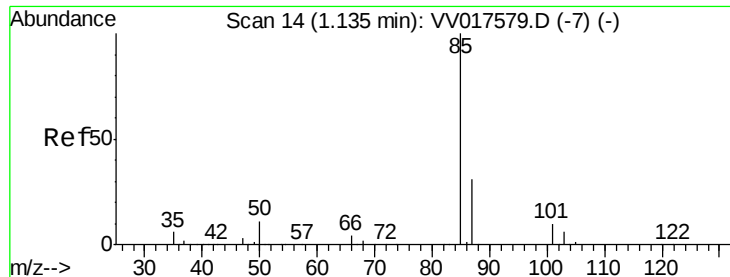
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.498 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

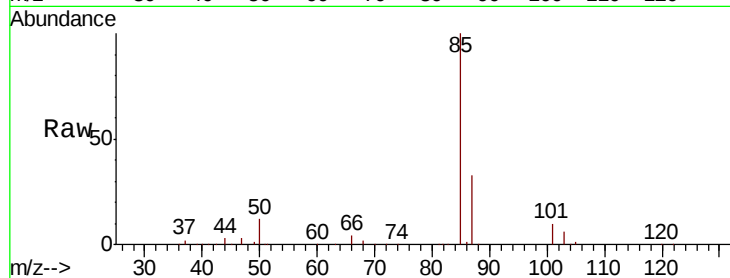
VSTD05088

Tot Ion: 85 Resp: 165318

Ion Ratio Lower Upper

85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV017579.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017579.D (-7) (-)

1.14

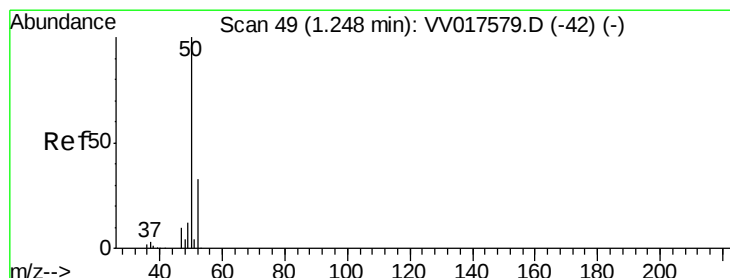
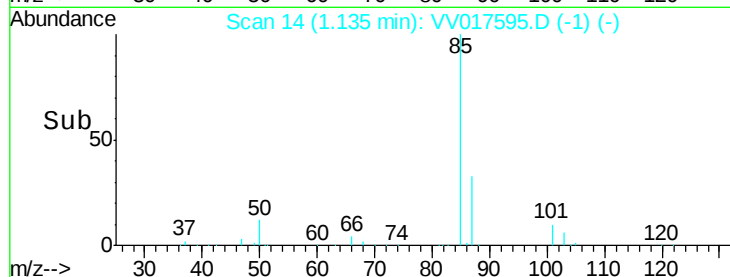
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.955 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017595.D

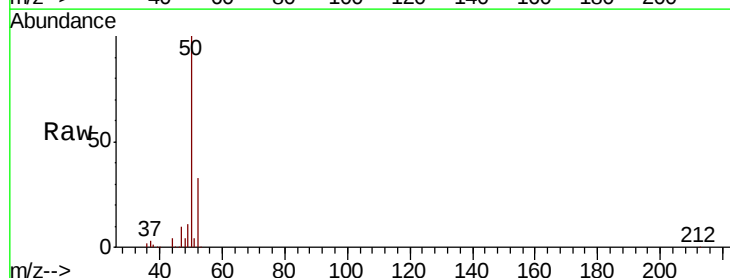
Acq: 22 Jul 2020 19:04

Tgt Ion: 50 Resp: 119575

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV017579.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017579.D (-42) (-)

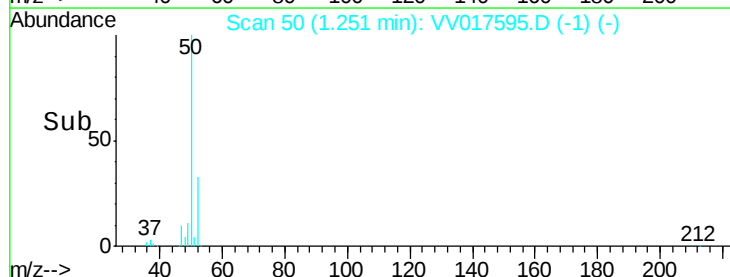
1.25

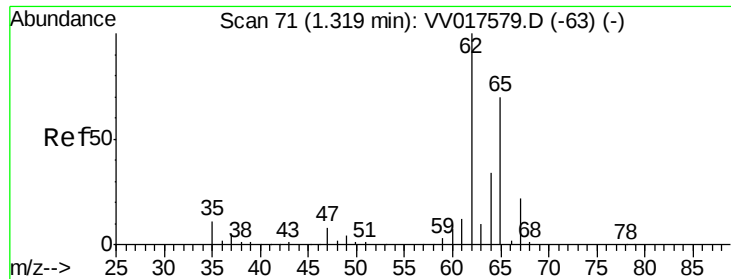
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.791 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

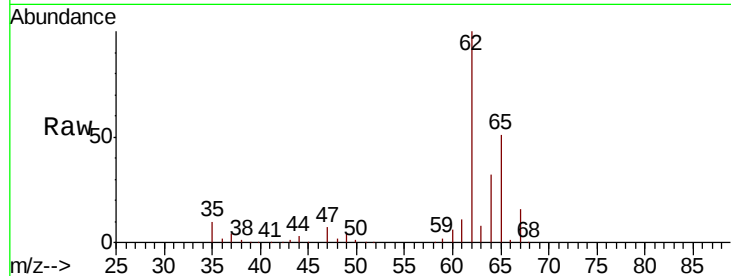
VSTD05088

Tot Ion: 62 Resp: 118599

Ion Ratio Lower Upper

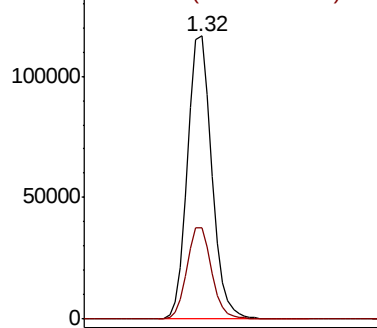
62 100

64 32.3 22.8 42.4

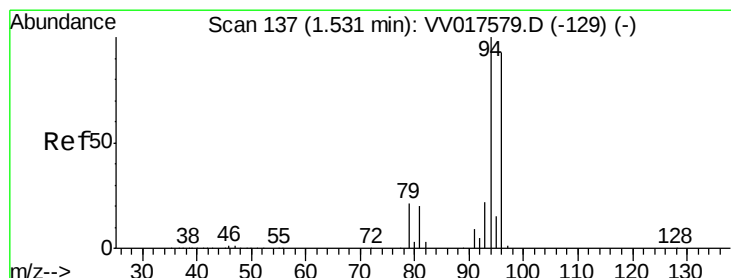
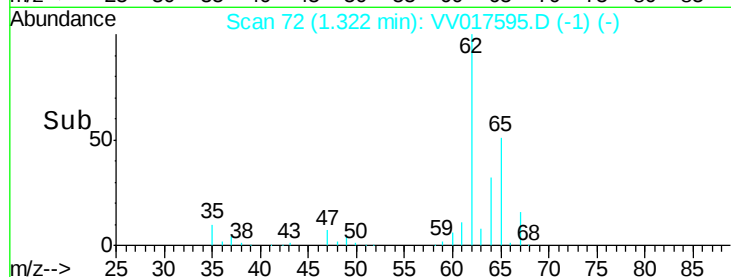


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



Time-->



#6

Bromomethane

Concen: 50.251 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017595.D

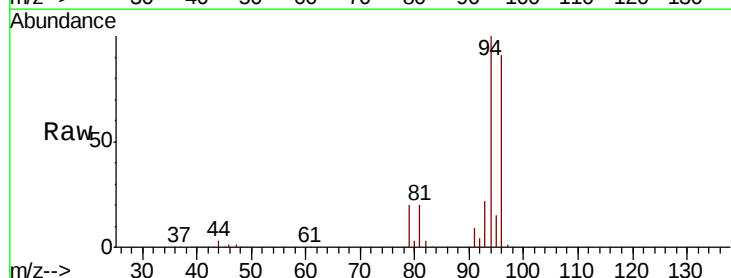
Acq: 22 Jul 2020 19:04

Tgt Ion: 94 Resp: 74967

Ion Ratio Lower Upper

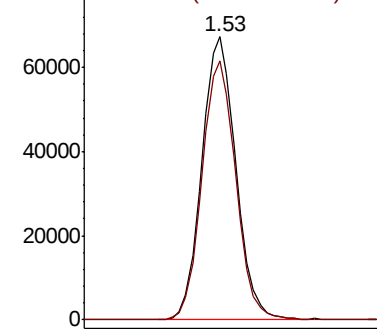
94 100

96 91.3 63.3 117.7

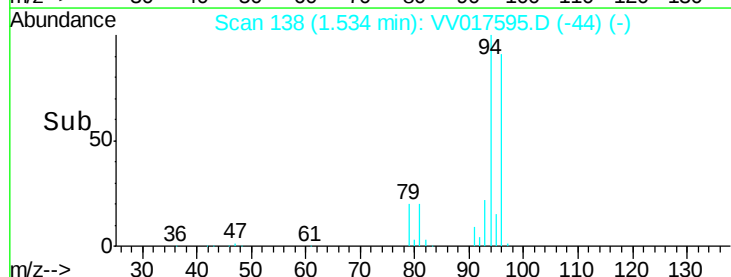


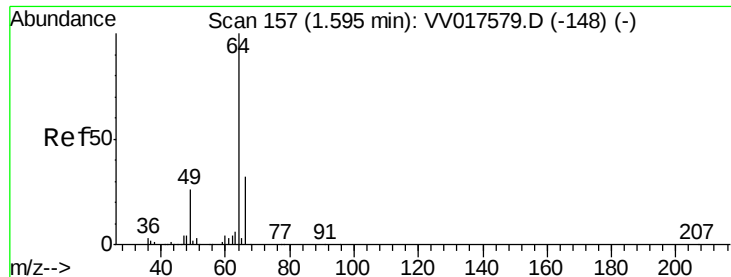
Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



Time-->

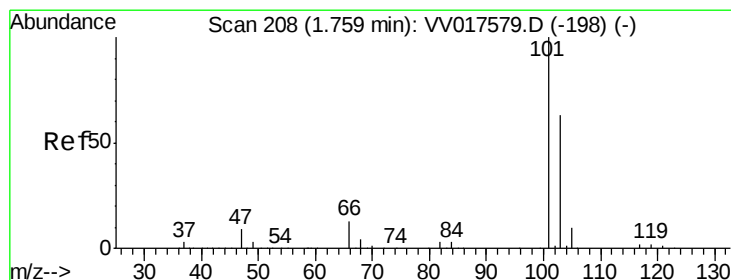
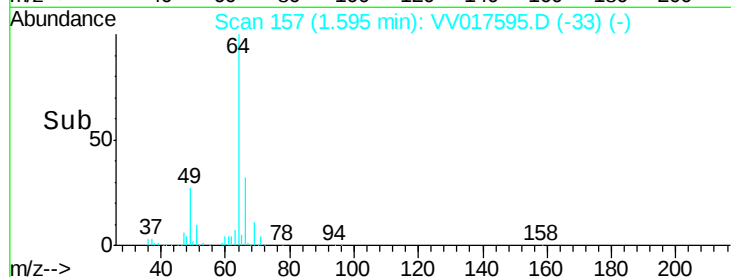
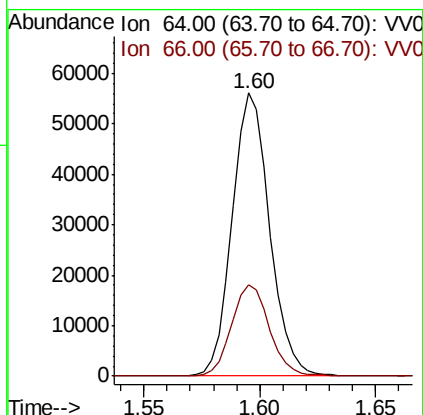
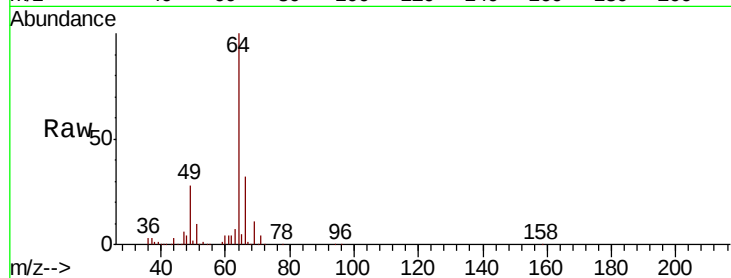




#8
Chloroethane
Concen: 51.382 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

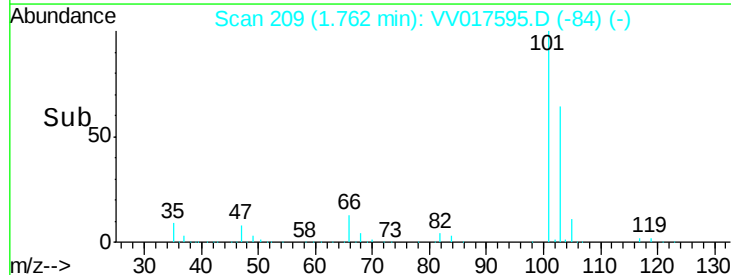
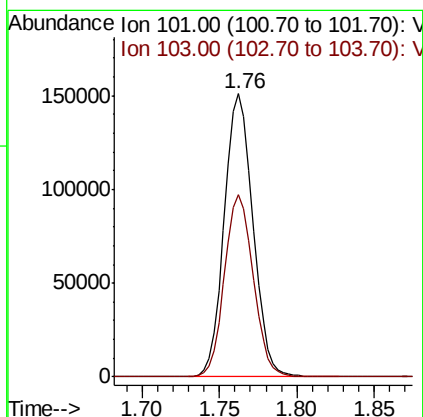
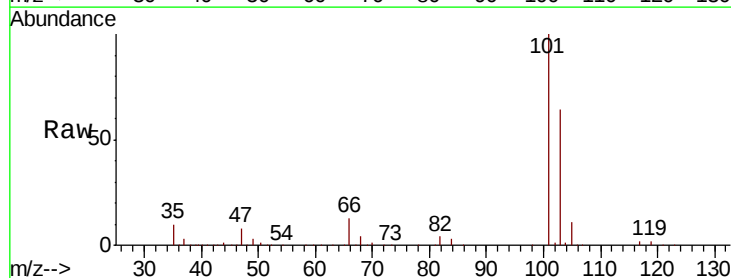
Instrument :
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VSTD05088

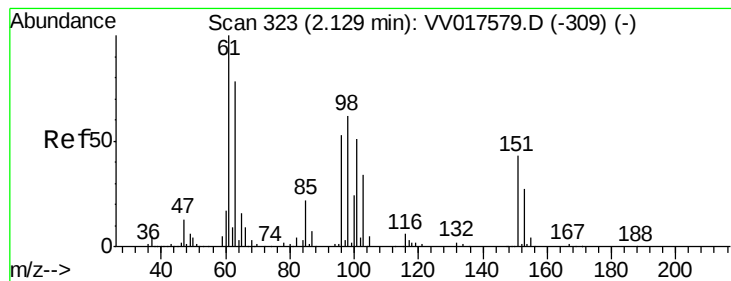
Tot Ion: 64 Resp: 62754
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.236 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Tgt Ion:101 Resp: 194325
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6





#10

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

Concen: 49.534 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

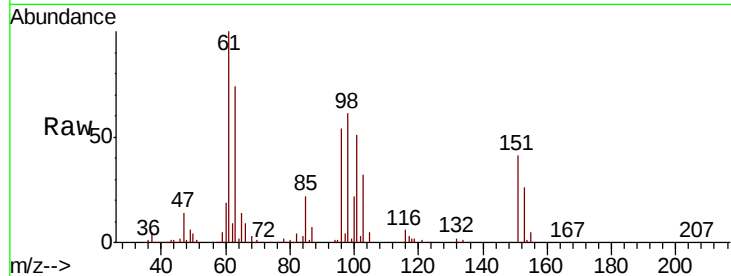
Tot Ion:101 Resp: 96542

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

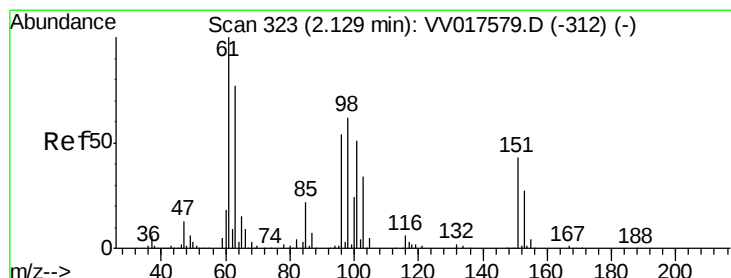
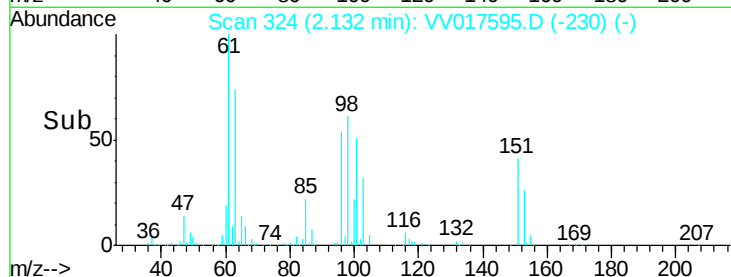
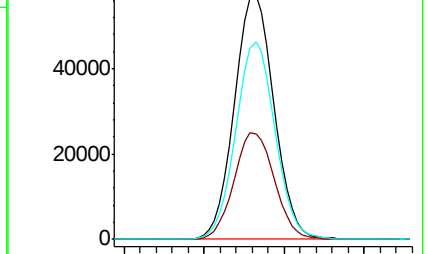
151 80.5 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): VV017595.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017595.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017595.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 50.388 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

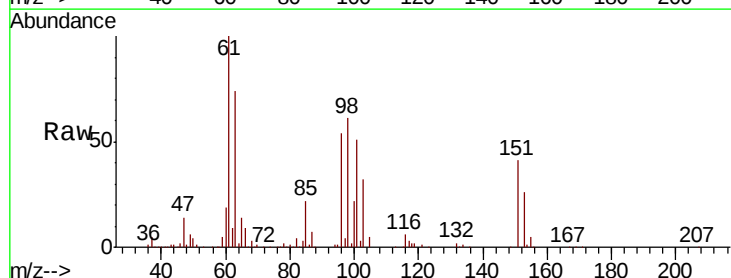
Tgt Ion: 96 Resp: 91012

Ion Ratio Lower Upper

96 100

61 183.7 124.5 231.3

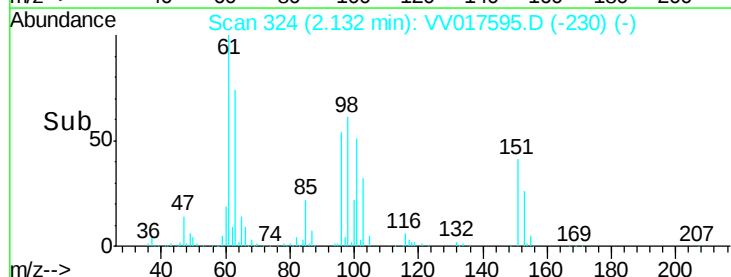
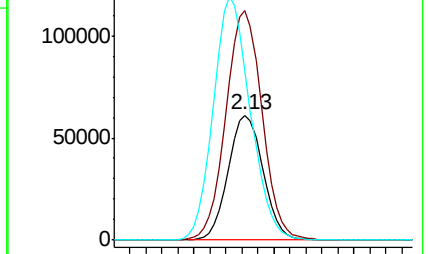
63 135.7 89.0 165.4

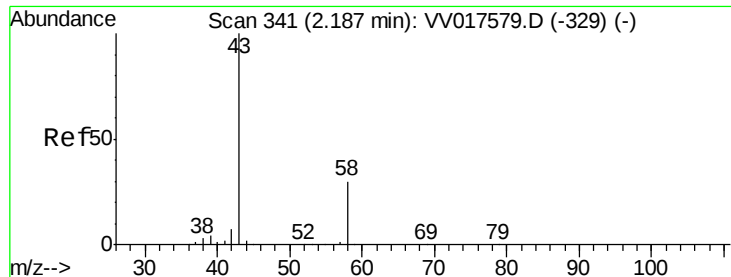


Abundance Ion 96.00 (95.70 to 96.70): VV017595.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017595.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017595.D (-230) (-)





#13

Acetone

Concen: 87.294 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

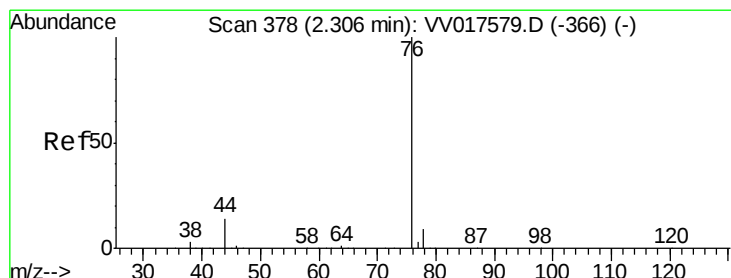
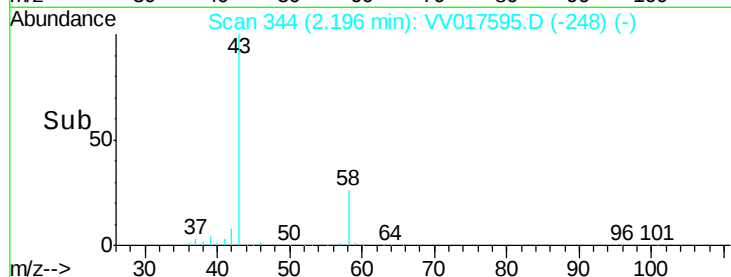
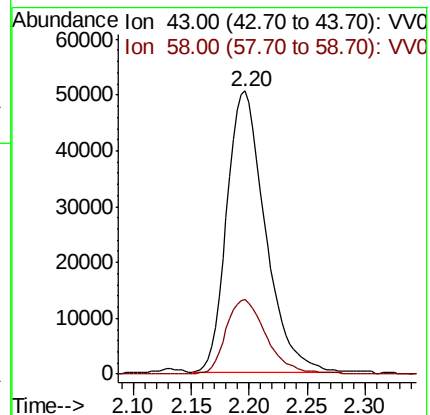
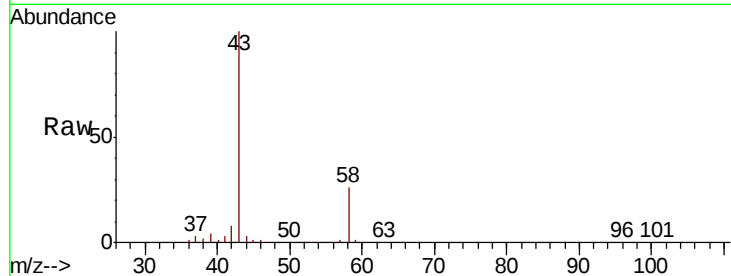
VSTD05088

Tot Ion: 43 Resp: 116383

Ion Ratio Lower Upper

43 100

58 26.9 0.0 58.0



#14

Carbon disulfide

Concen: 47.645 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017595.D

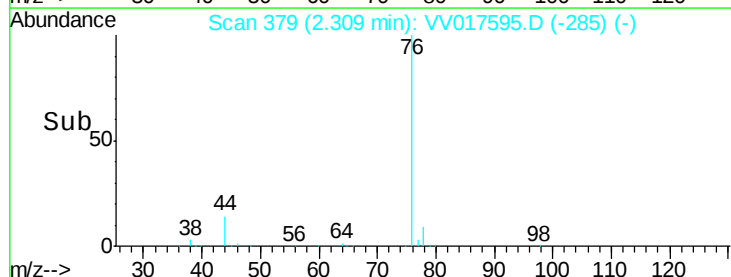
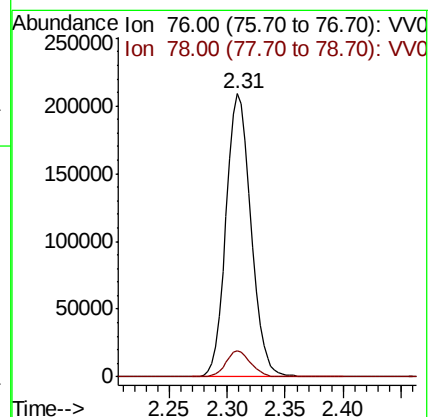
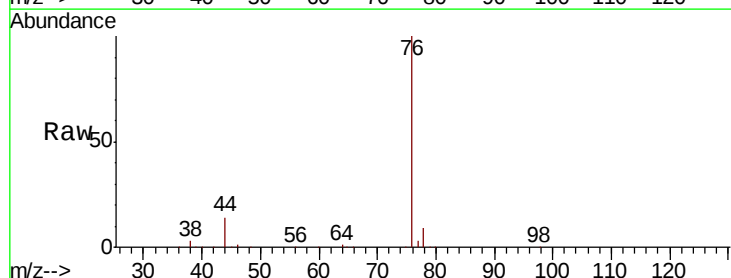
Acq: 22 Jul 2020 19:04

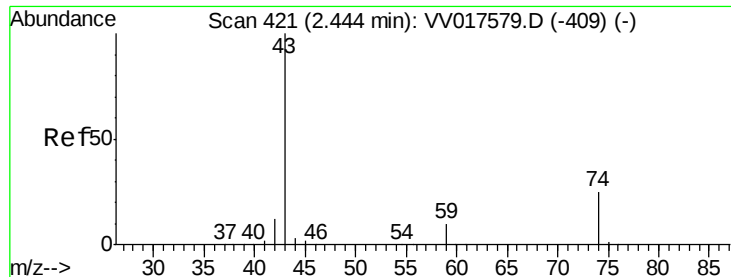
Tgt Ion: 76 Resp: 311887

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methvl Acetate

Concen: 50.941 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

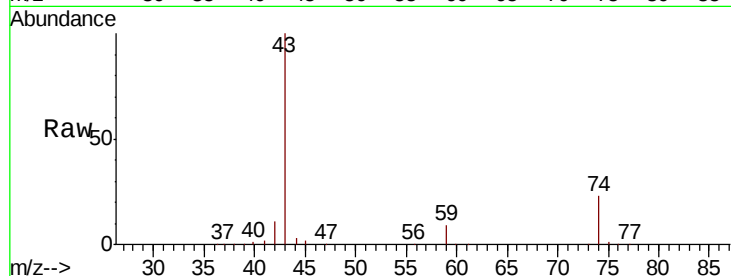
VSTD05088

Tot Ion: 43 Resp: 115777

Ion Ratio Lower Upper

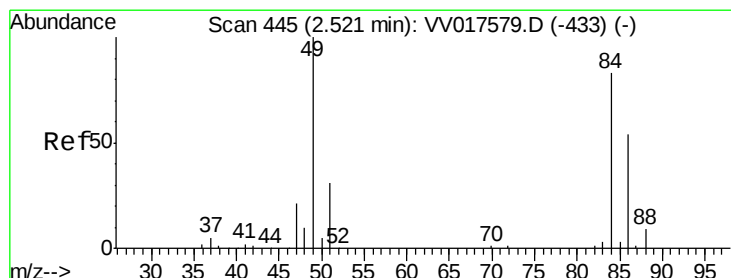
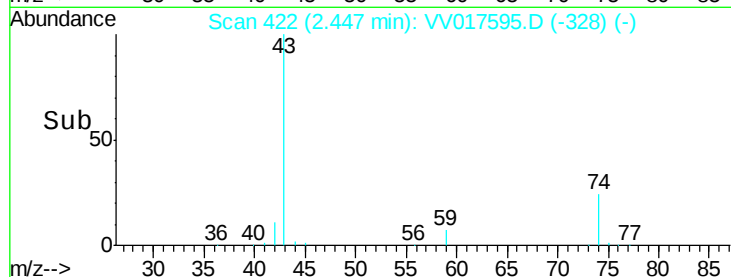
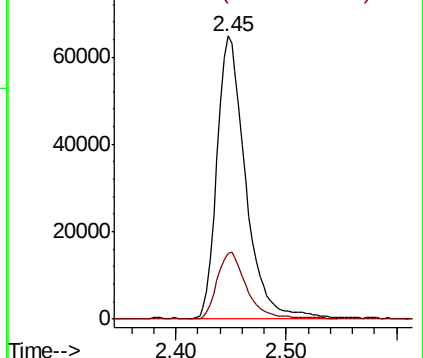
43 100

74 24.3 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.565 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

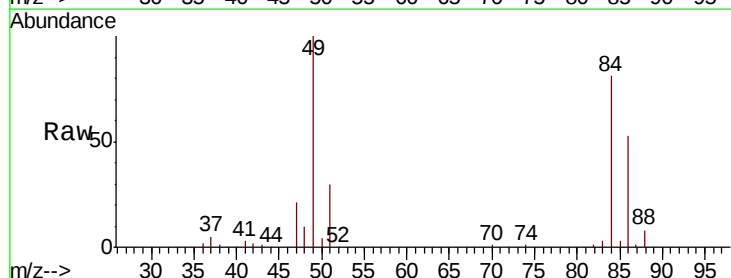
Tgt Ion: 84 Resp: 118439

Ion Ratio Lower Upper

84 100

86 65.4 44.5 82.7

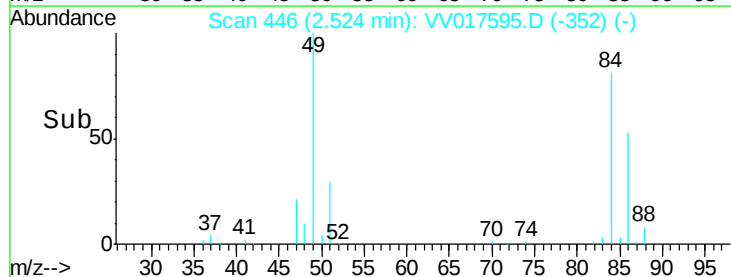
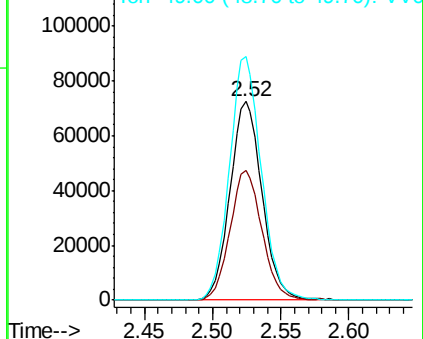
49 122.8 84.4 156.8

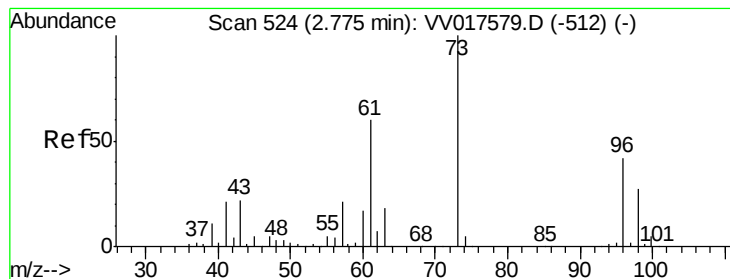


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 48.718 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

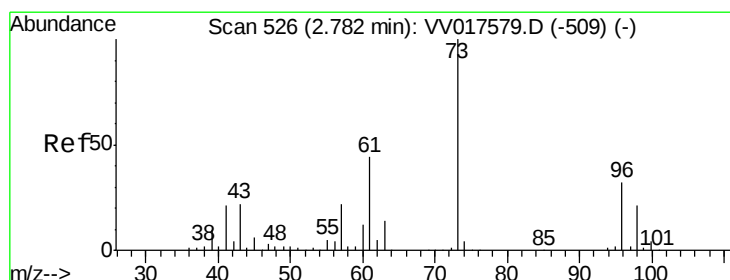
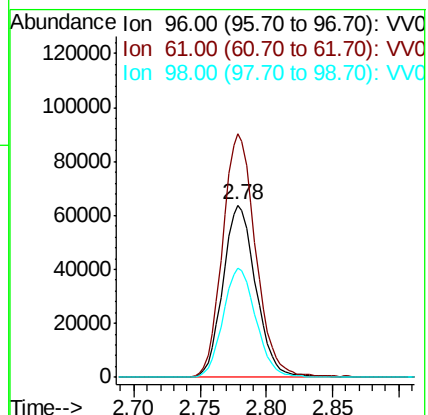
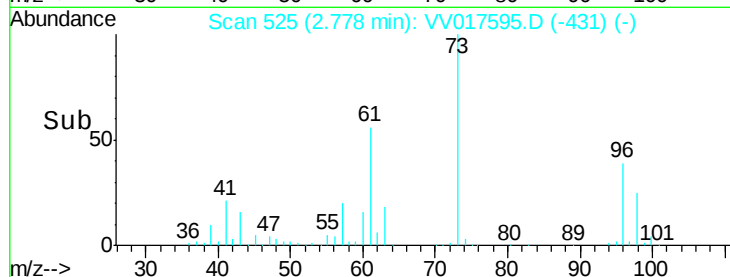
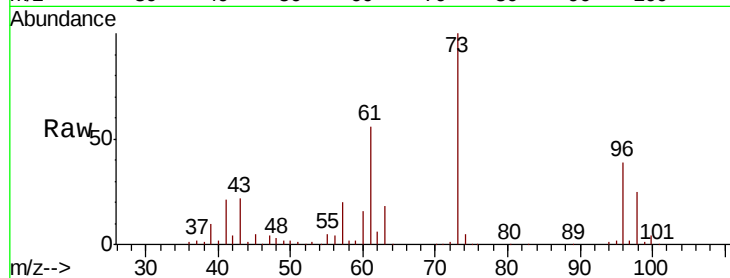
Tot Ion: 96 Resp: 110130

Ion Ratio Lower Upper

96 100

61 141.6 97.0 180.2

98 63.5 42.6 79.0



#18

Methyl tert-butyl Ether

Concen: 50.890 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

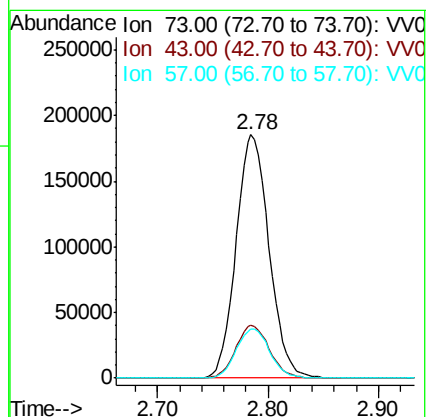
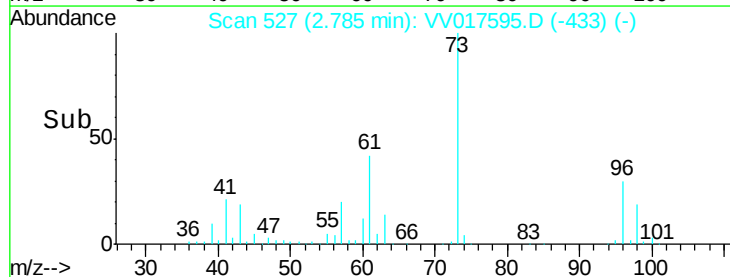
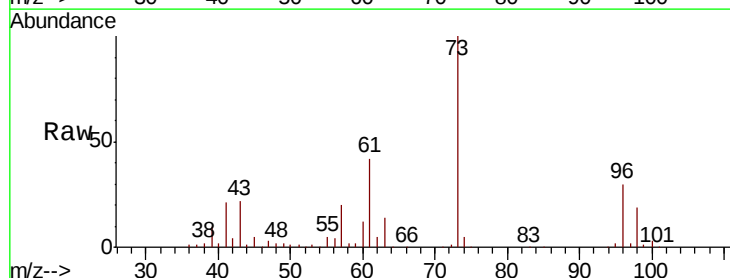
Tgt Ion: 73 Resp: 384500

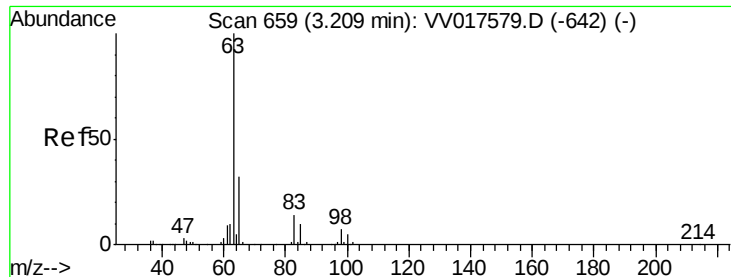
Ion Ratio Lower Upper

73 100

43 21.8 17.3 25.9

57 20.7 16.8 25.2





#19

1,1-Dichloroethane

Concen: 50.664 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

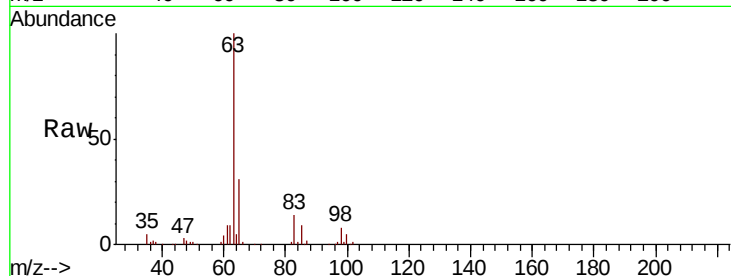
Tot Ion: 63 Resp: 206365

Ion Ratio Lower Upper

63 100

65 31.4 23.0 42.8

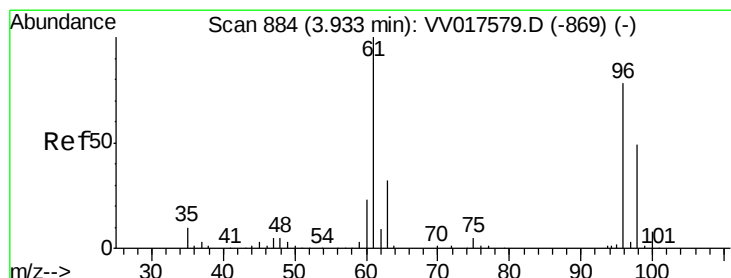
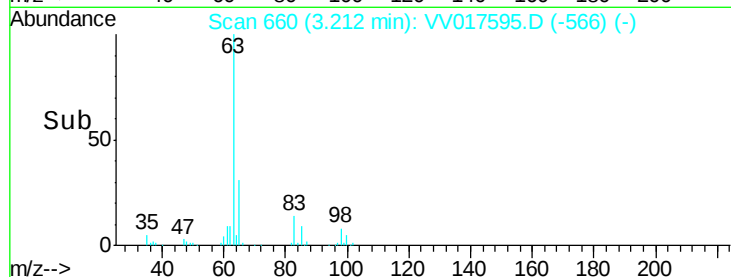
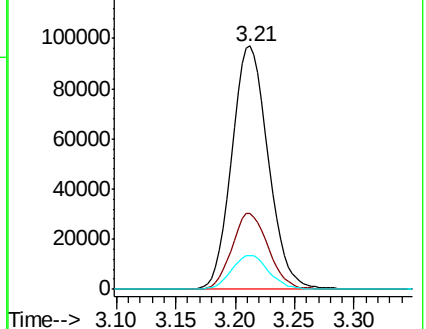
83 14.0 9.9 18.5



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: 50.177 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

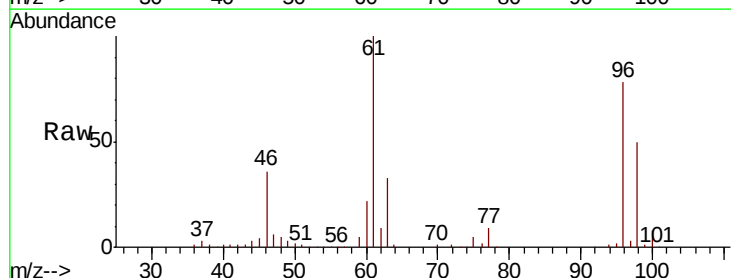
Tgt Ion: 96 Resp: 121799

Ion Ratio Lower Upper

96 100

61 127.9 87.8 163.2

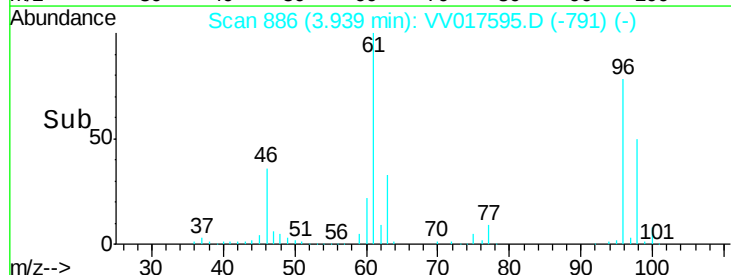
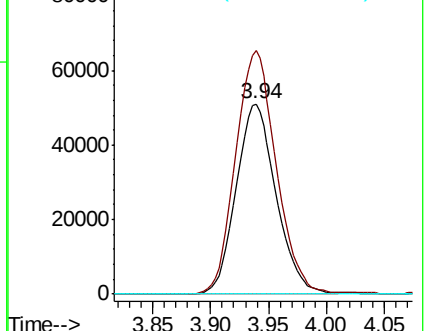
68 0.0 0.0 0.0

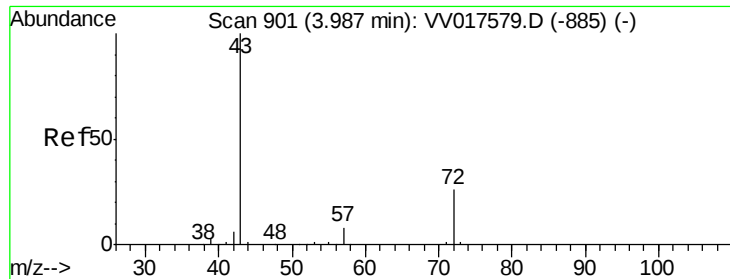


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 97.557 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

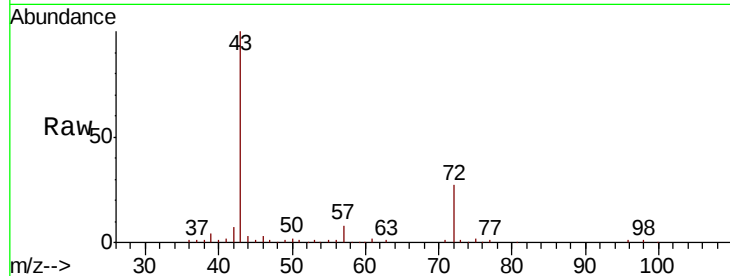
VSTD05088

Tot Ion: 43 Resp: 161546

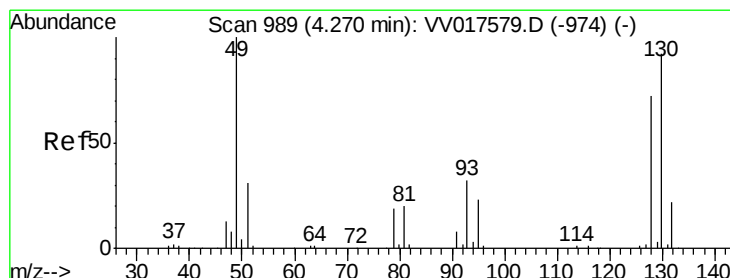
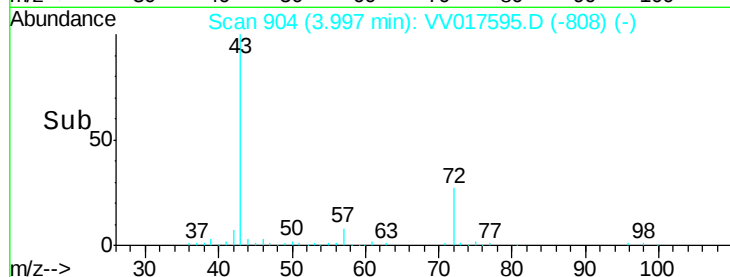
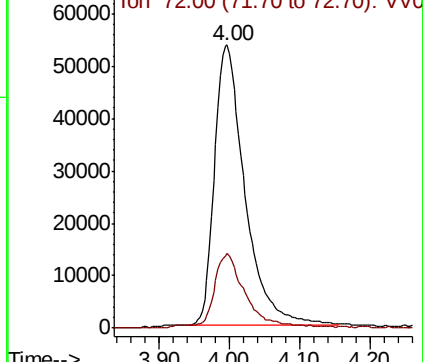
Ion Ratio Lower Upper

43 100

72 24.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017595.D (-896) (-)



#23

Bromochloromethane

Concen: 50.706 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Tgt Ion: 128 Resp: 67652

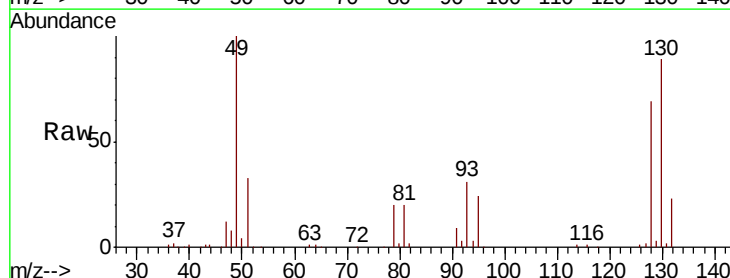
Ion Ratio Lower Upper

128 100

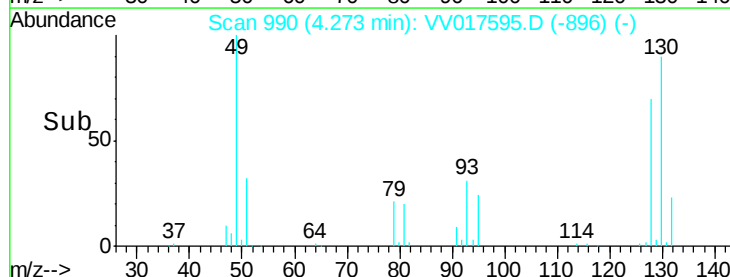
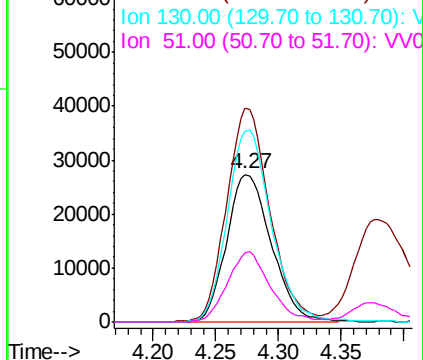
49 144.5 103.7 192.7

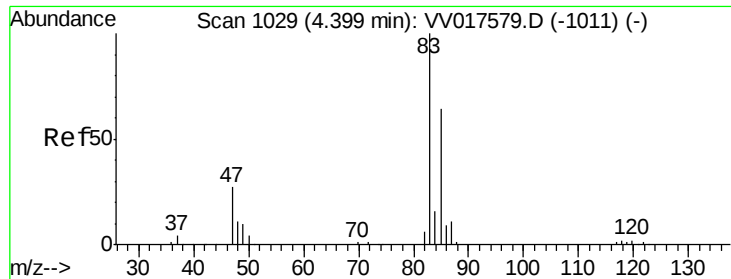
130 128.8 89.4 166.0

51 47.0 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV017595.D (-896) (-)

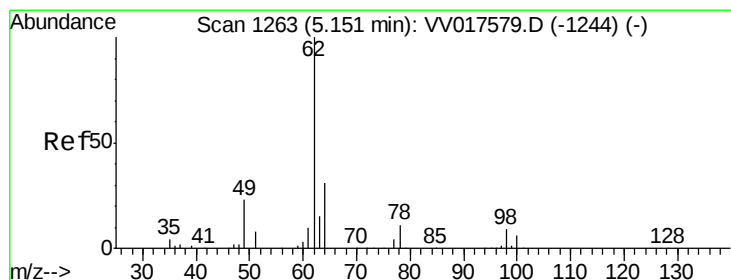
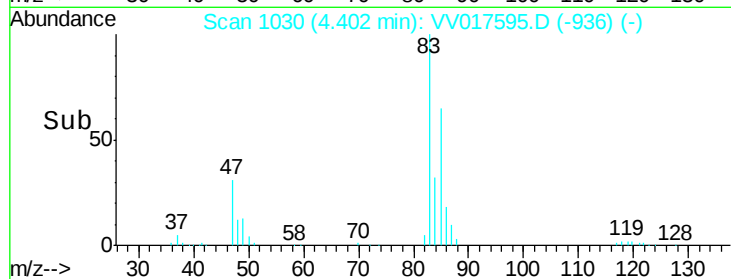
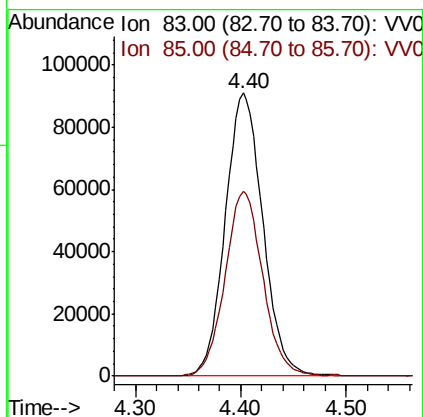
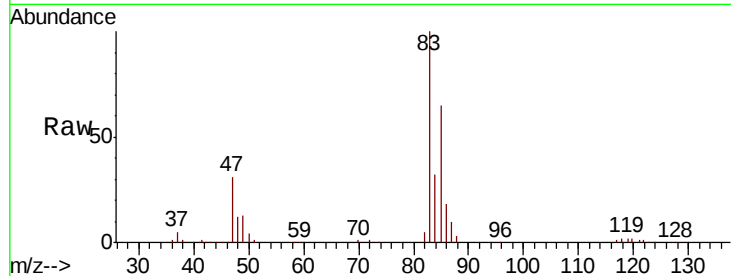




#25
Chloroform
Concen: 51.165 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

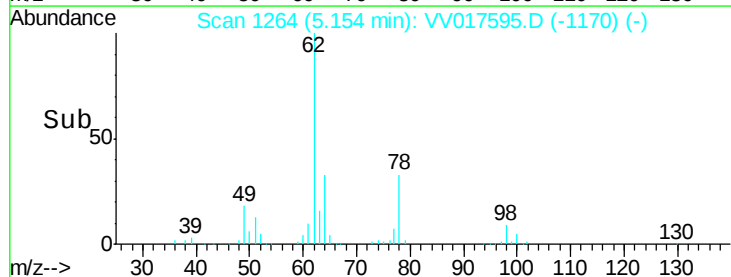
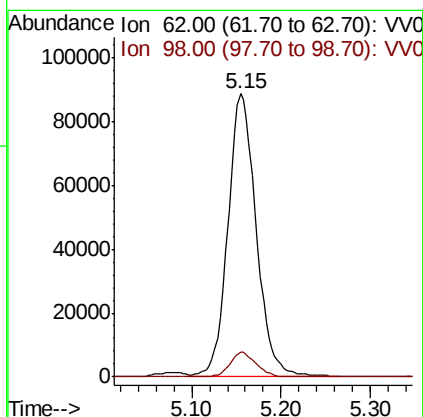
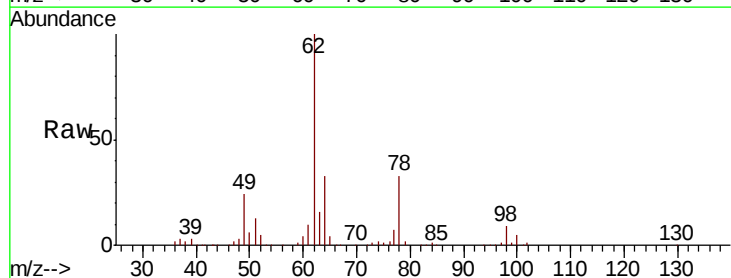
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

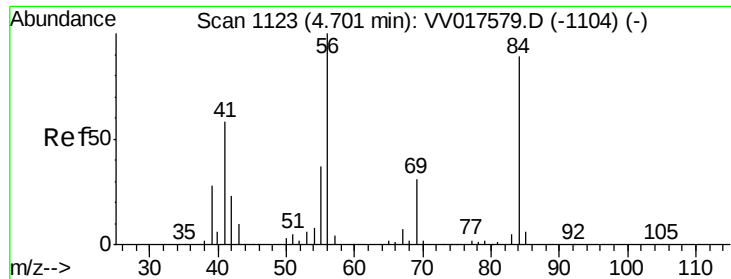
Tot Ion: 83 Resp: 224636
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8



#27
1,2-Dichloroethane
Concen: 51.992 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Tgt Ion: 62 Resp: 193777
Ion Ratio Lower Upper
62 100
98 8.6 7.1 10.7

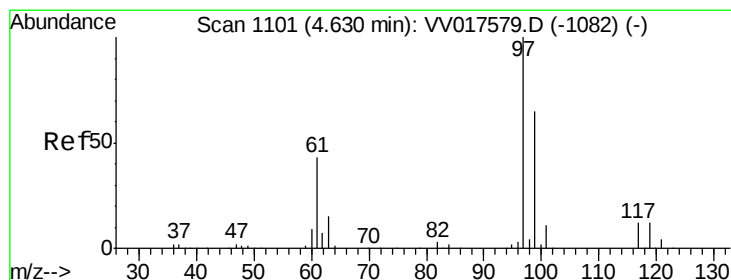
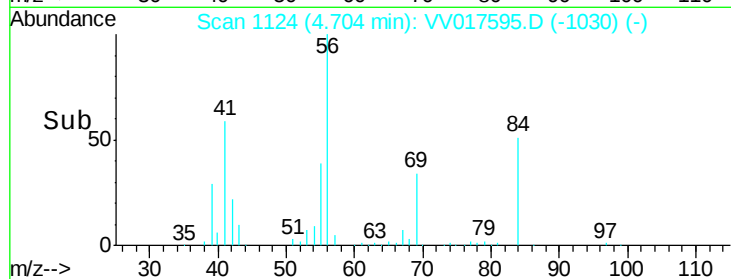
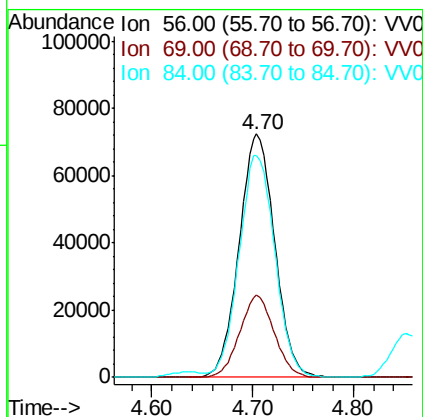
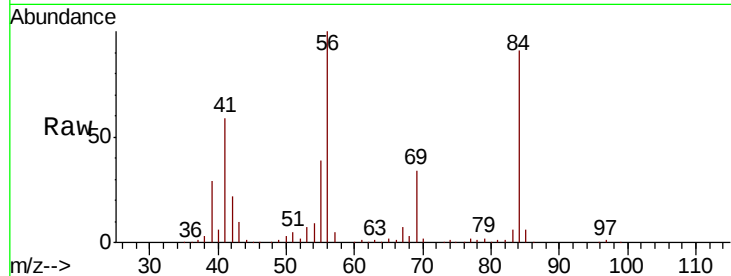




#29
Cyclohexane
Concen: 48.379 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

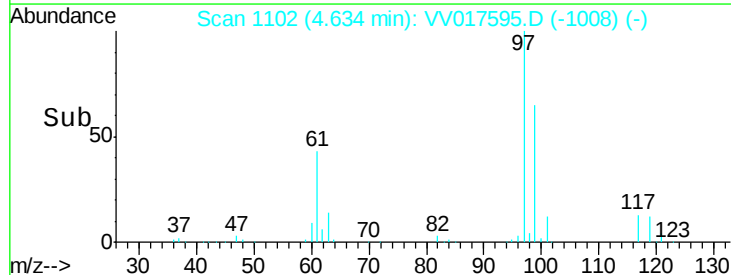
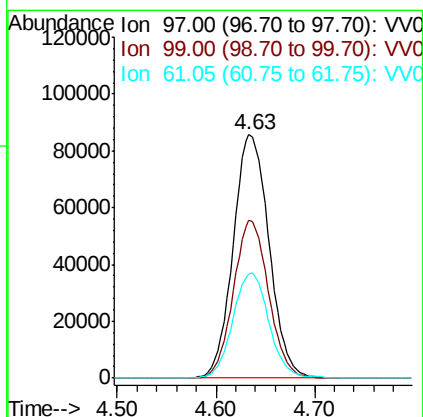
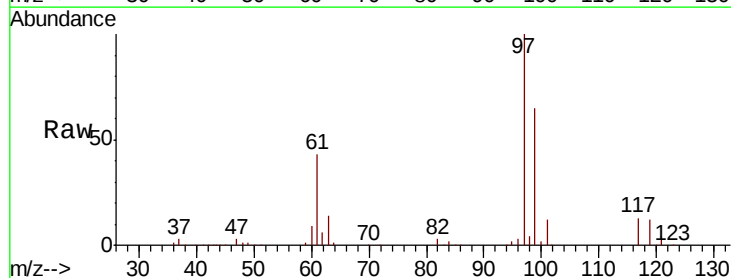
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

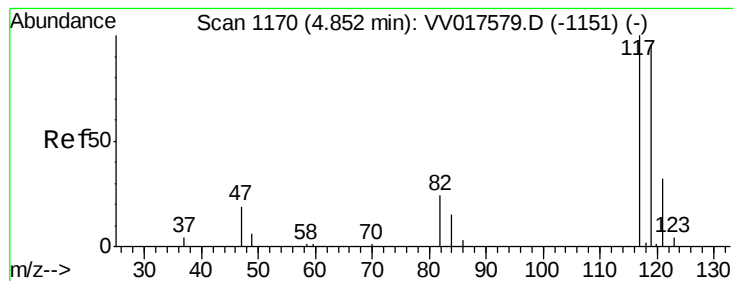
Tot Ion: 56 Resp: 176454
Ion Ratio Lower Upper
56 100
69 32.8 25.4 38.2
84 92.6 70.6 105.8



#30
1,1,1-Trichloroethane
Concen: 51.977 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Tgt Ion: 97 Resp: 216481
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 43.1 34.1 51.1





#31

Carbon tetrachloride

Concen: 51.591 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

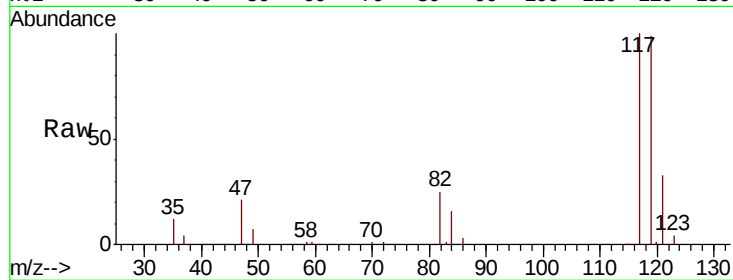
VSTD05088

Tot Ion:117 Resp: 194064

Ion Ratio Lower Upper

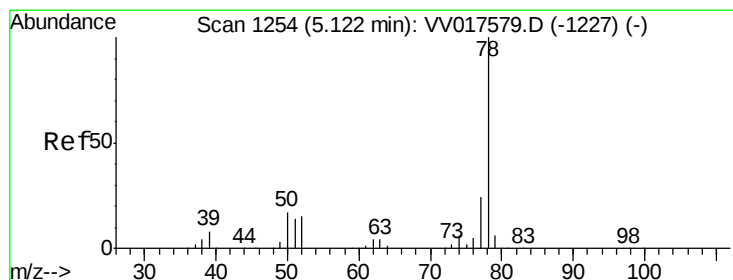
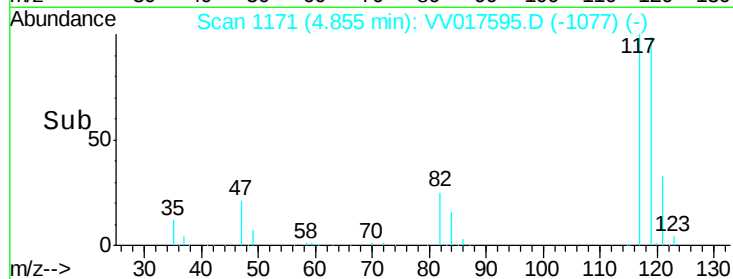
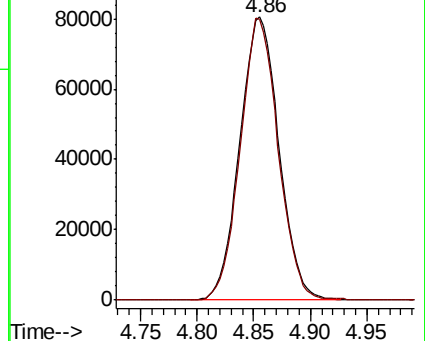
117 100

119 96.3 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: 50.965 ug/L

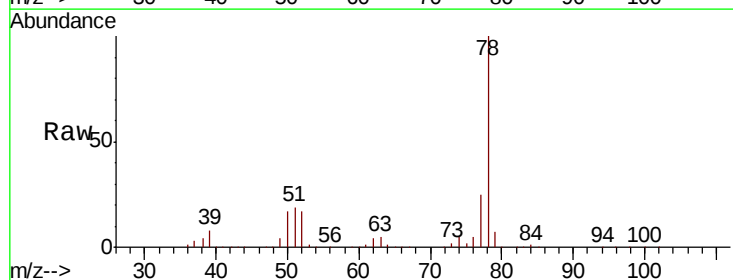
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

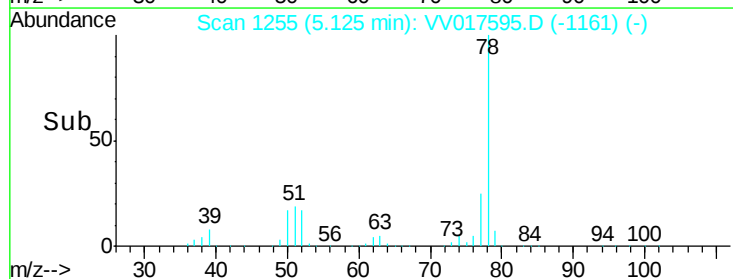
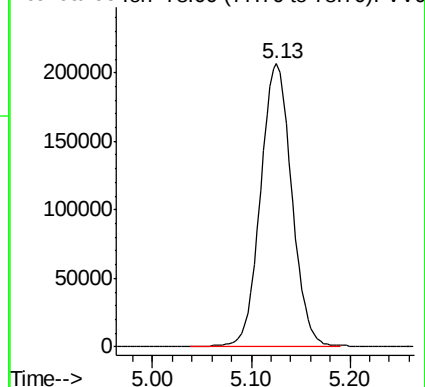
Lab File: VV017595.D

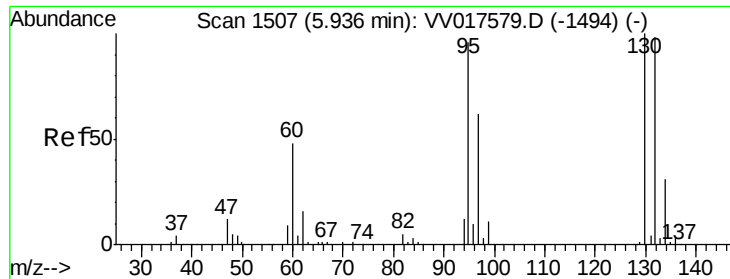
Acq: 22 Jul 2020 19:04

Tgt Ion: 78 Resp: 452129



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.090 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 95 Resp: 122378

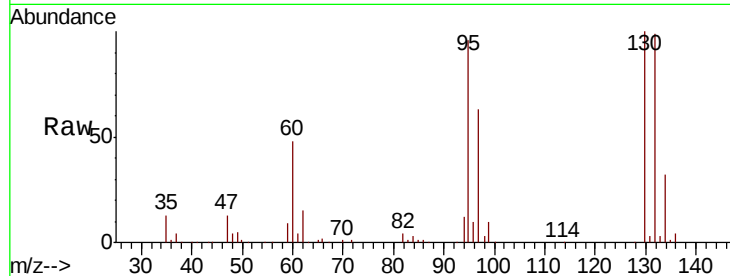
Ion Ratio Lower Upper

95 100

97 65.6 45.8 85.2

132 103.4 70.3 130.5

130 104.6 72.9 135.3



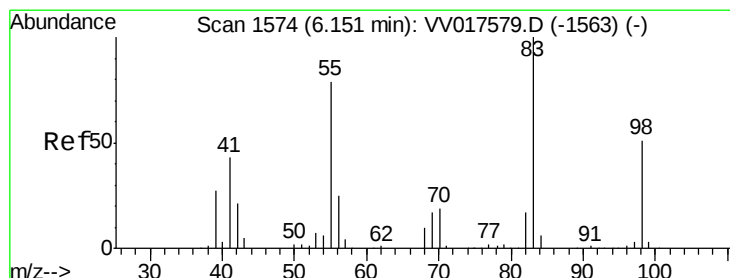
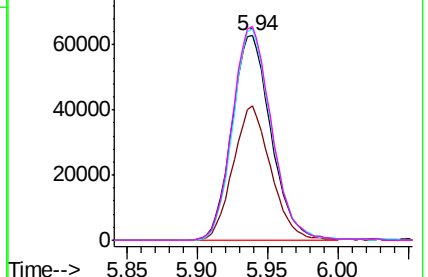
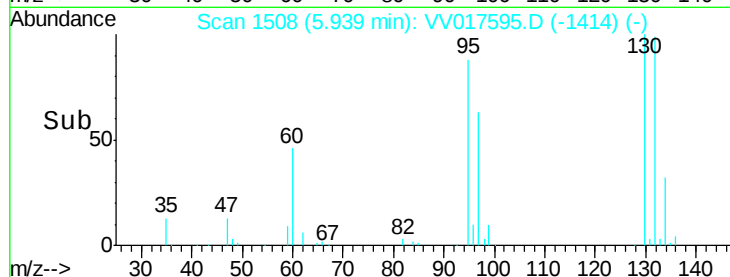
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#35

Methylcyclohexane

Concen: 49.275 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

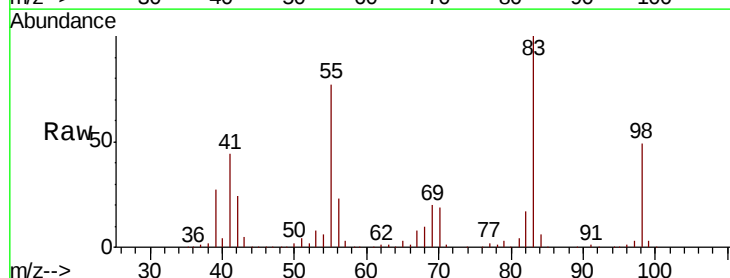
Tgt Ion: 83 Resp: 188086

Ion Ratio Lower Upper

83 100

55 76.5 61.7 92.5

98 50.0 39.3 58.9

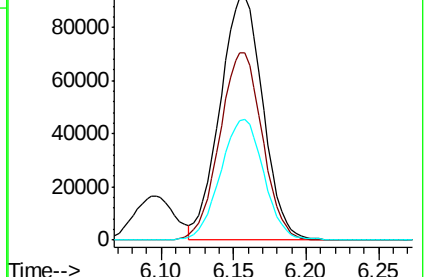
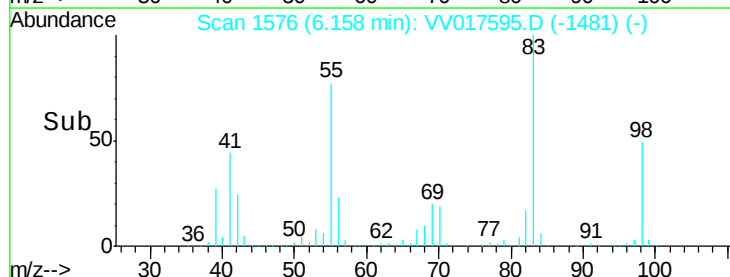


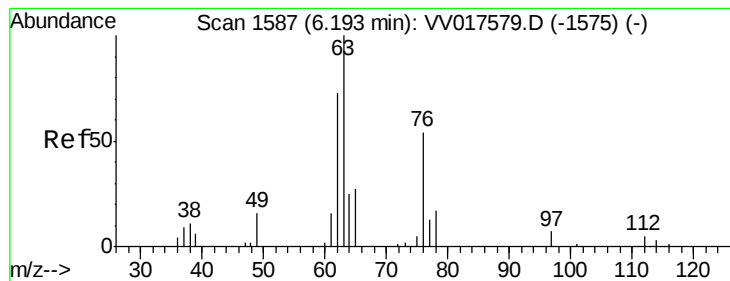
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

Time-->





#37

1,2-Dichloropropane

Concen: 50.083 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

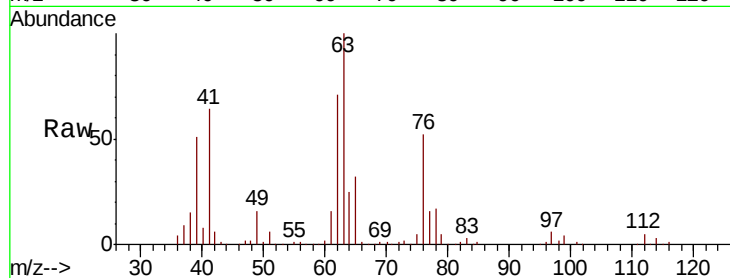
VSTD05088

Tot Ion: 63 Resp: 113637

Ion Ratio Lower Upper

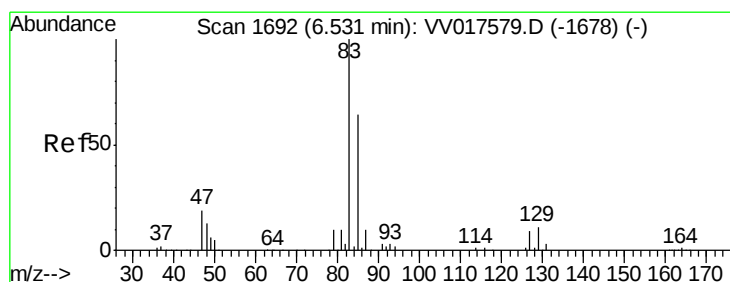
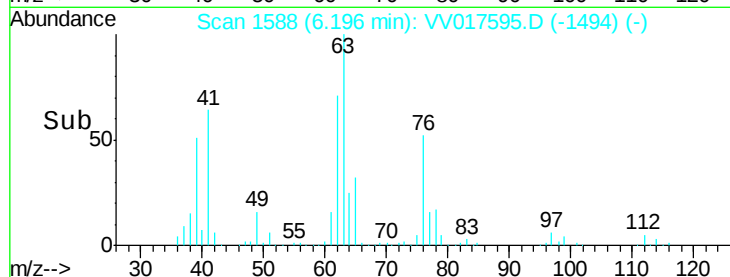
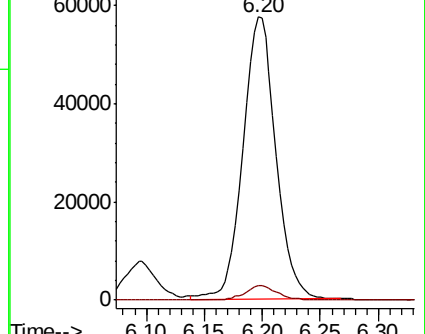
63 100

112 5.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV017579.D (-1575) (-)

Ion 112.00 (111.70 to 112.70): VV017579.D (-1575) (-)



#38

Bromodichloromethane

Concen: 51.712 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

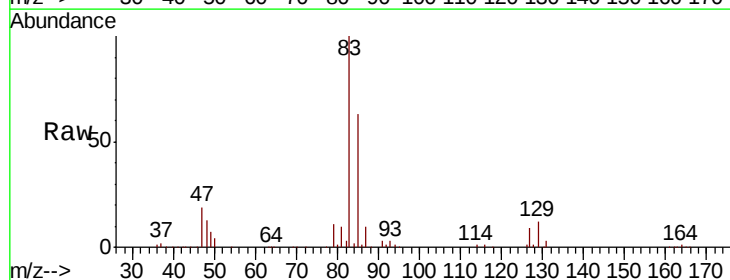
Tgt Ion: 83 Resp: 172875

Ion Ratio Lower Upper

83 100

85 63.0 44.4 82.4

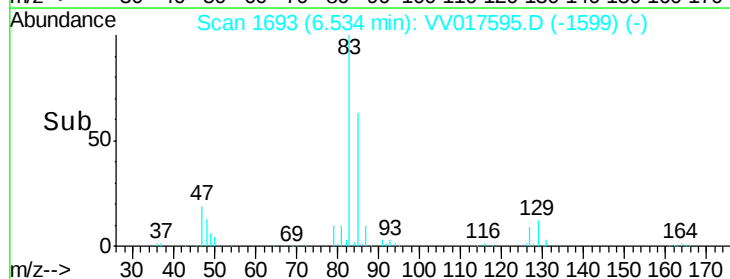
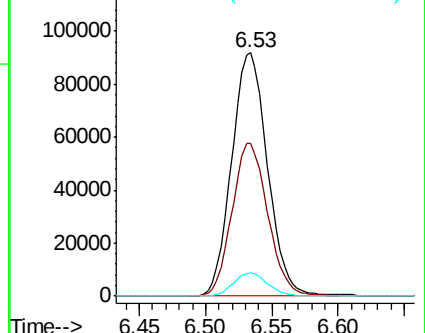
127 9.5 7.4 11.2

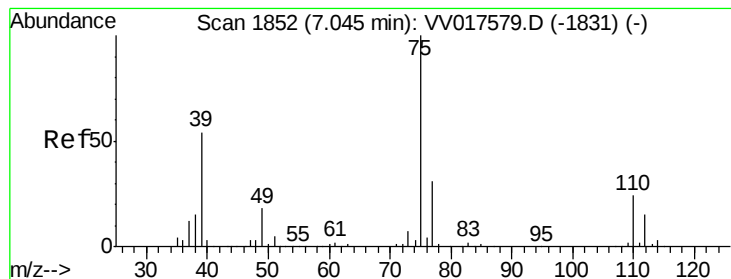


Abundance Ion 83.00 (82.70 to 83.70): VV017579.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV017579.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV017579.D (-1678) (-)



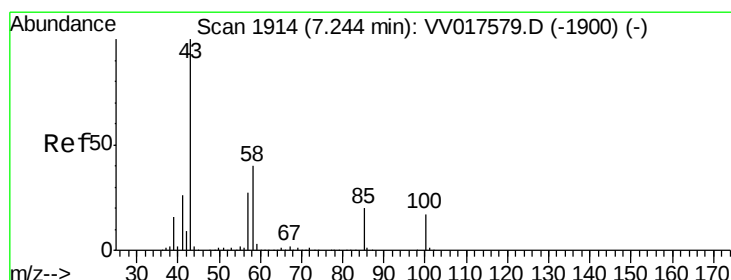
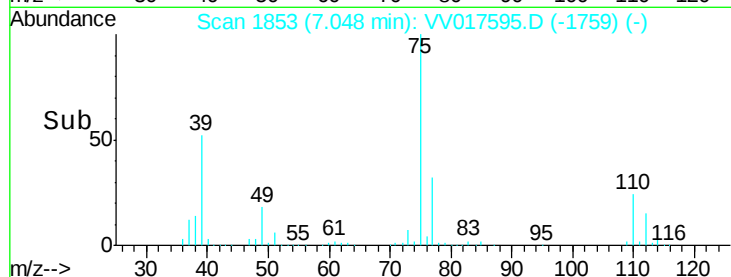
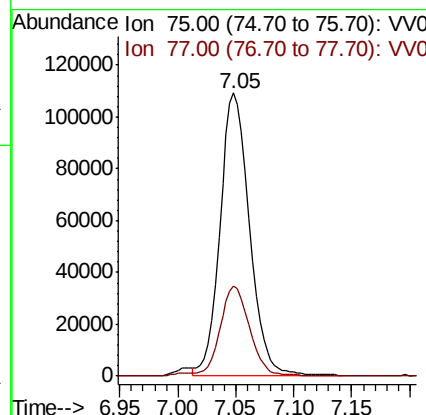
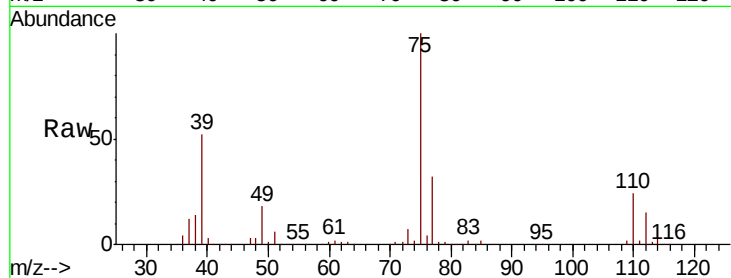


#39

cis-1,3-Dichloropropene
Concen: 50.763 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

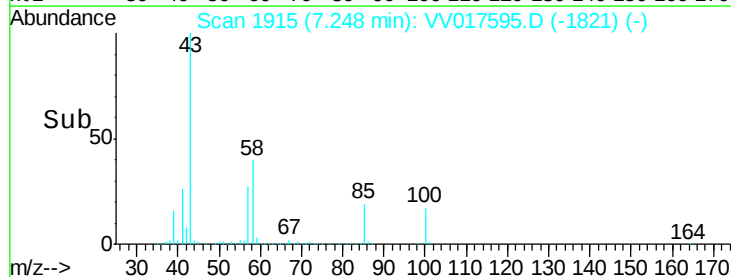
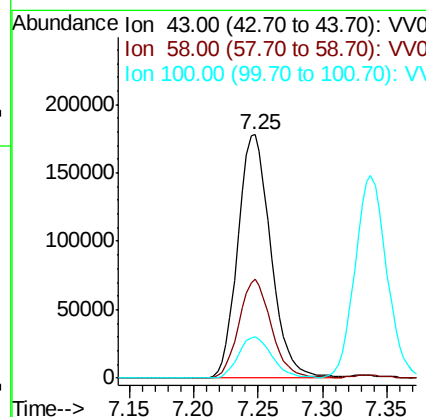
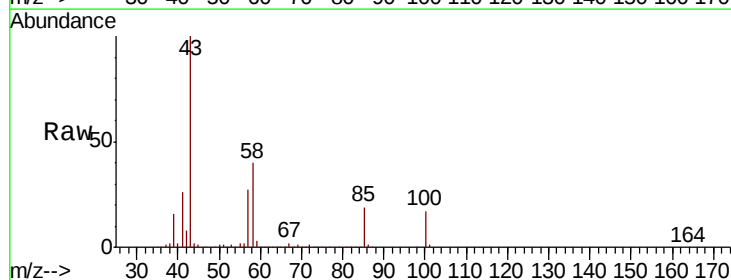
Tot Ion: 75 Resp: 192931
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2

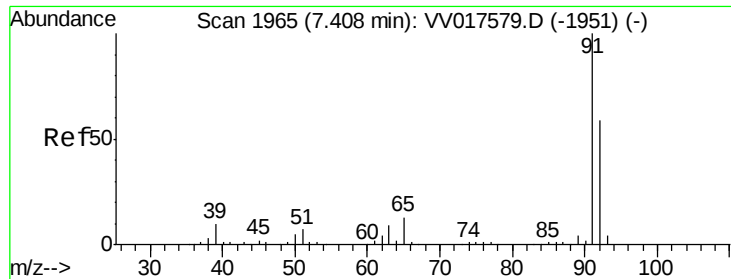


#40

4-Methyl-2-pentanone
Concen: 100.818 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Tgt Ion: 43 Resp: 316370
Ion Ratio Lower Upper
43 100
58 40.0 31.5 47.3
100 17.1 13.3 19.9





#42

Toluene

Concen: 51.105 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

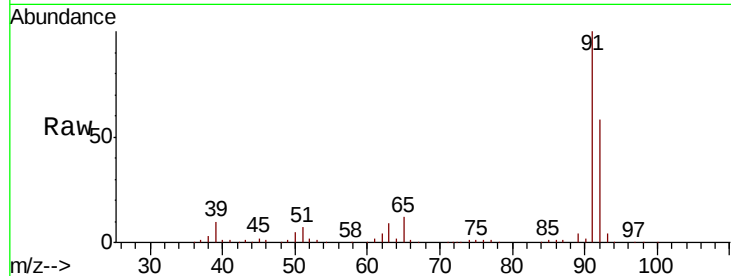
VSTD05088

Tot Ion: 91 Resp: 498174

Ion Ratio Lower Upper

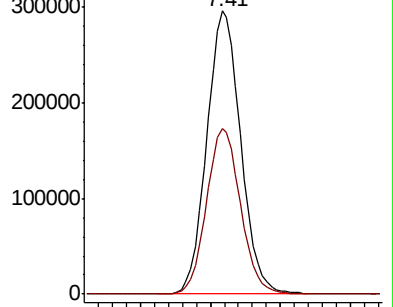
91 100

92 58.5 40.4 75.0

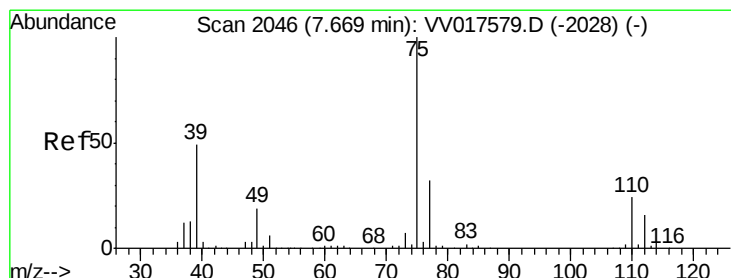
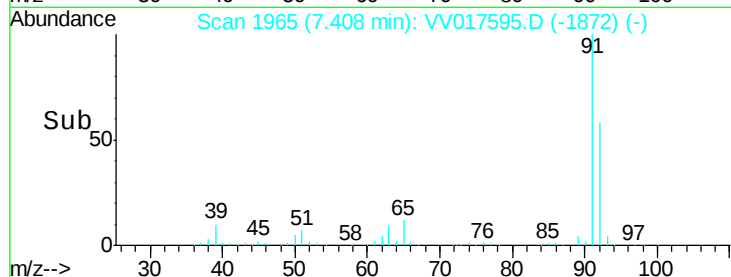


Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.578 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017595.D

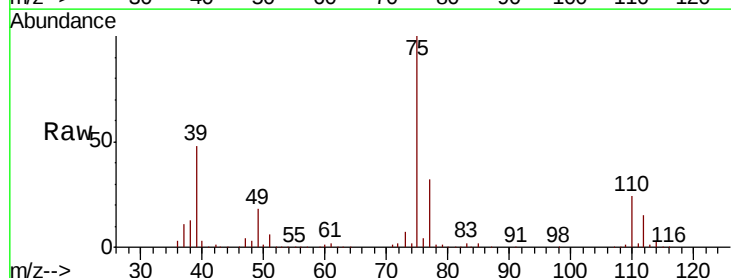
Acq: 22 Jul 2020 19:04

Tgt Ion: 75 Resp: 199397

Ion Ratio Lower Upper

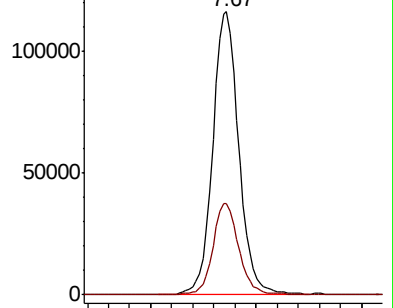
75 100

77 32.3 23.0 42.8

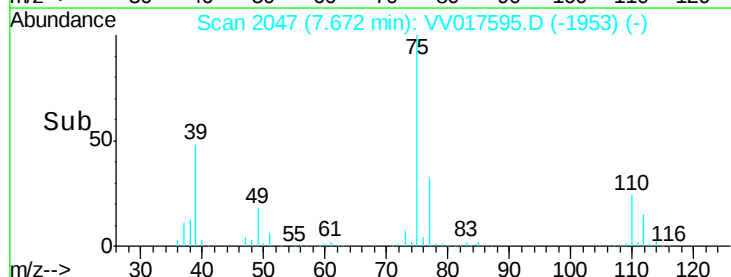


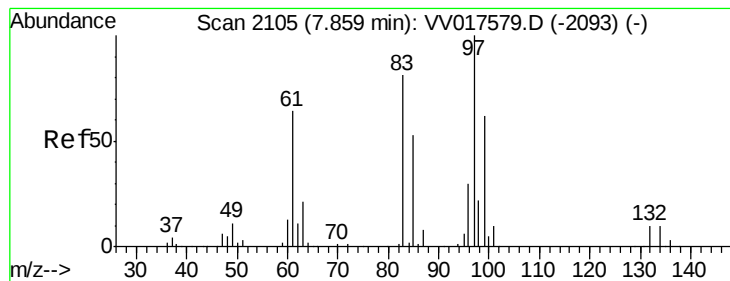
Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



Time-->





#45

1,1,2-Trichloroethane

Concen: 50.374 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 97 Resp: 115311

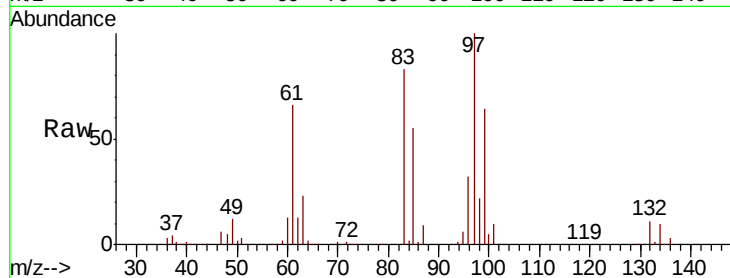
Ion Ratio Lower Upper

97 100

99 64.0 44.2 82.0

83 83.1 57.9 107.5

85 55.1 37.5 69.7

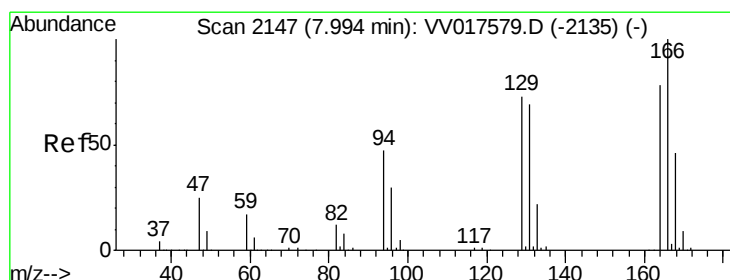
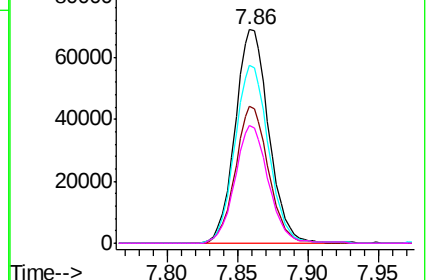
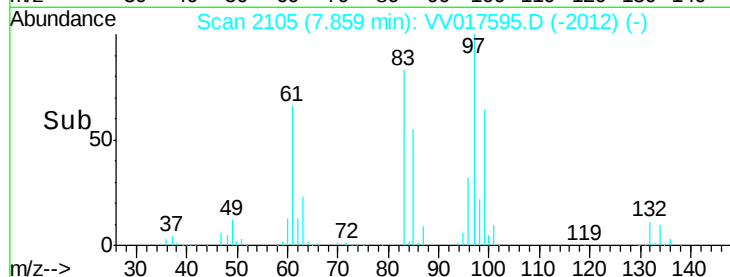


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 50.567 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Tgt Ion: 164 Resp: 105047

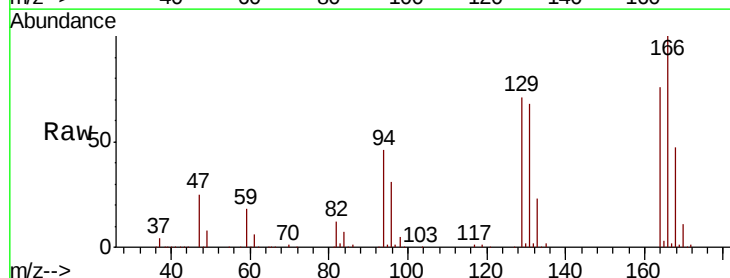
Ion Ratio Lower Upper

164 100

129 93.6 64.3 119.5

131 89.3 61.5 114.1

166 131.9 87.2 162.0

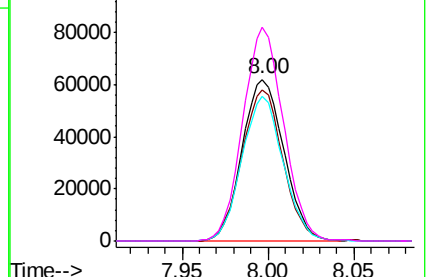
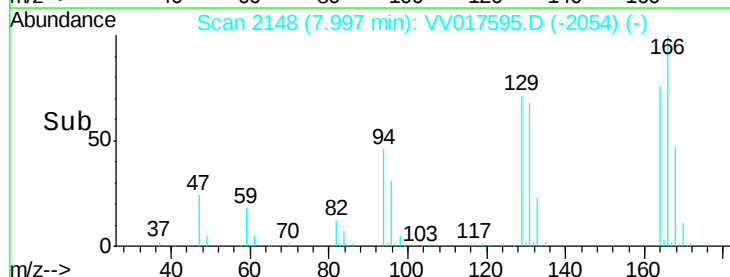


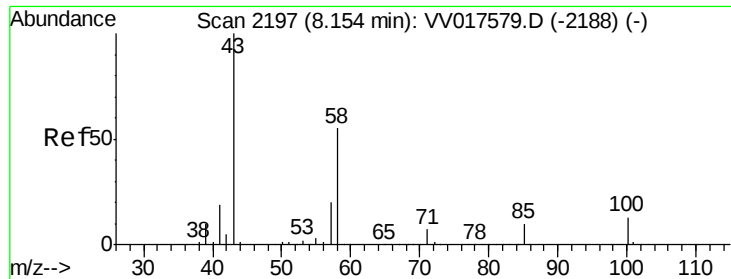
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

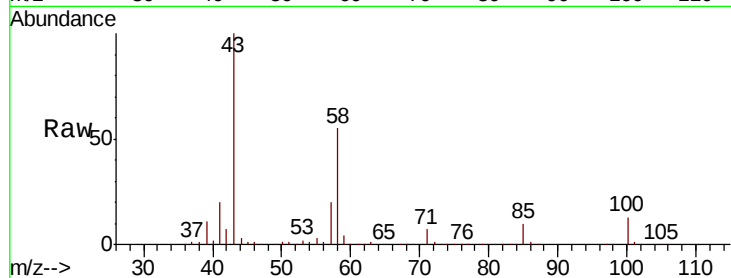




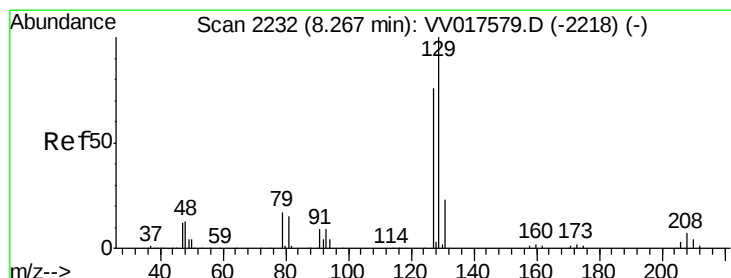
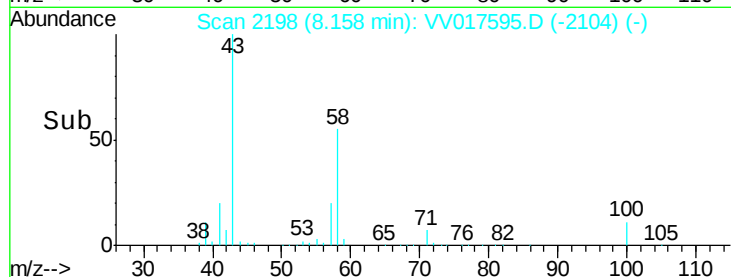
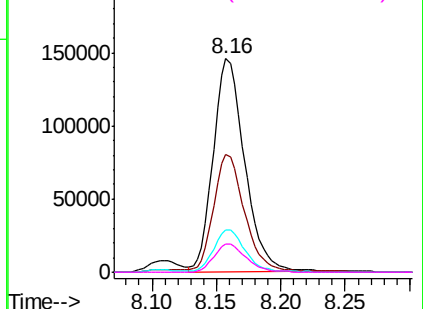
#48
2-Hexanone
Concen: 98.750 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion: 43 Resp: 246799
Ion Ratio Lower Upper
43 100
58 54.0 44.3 66.5
57 20.1 16.9 25.3
100 13.3 11.0 16.4

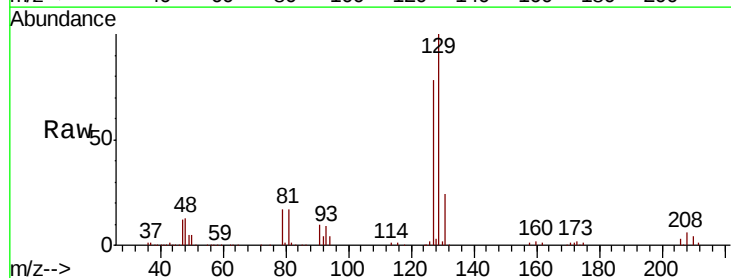


Abundance Ion 43.00 (42.70 to 43.70): VV017579.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV017579.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV017579.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV017579.D (-2188) (-)

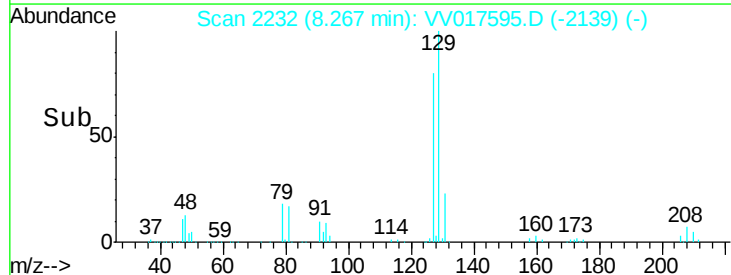
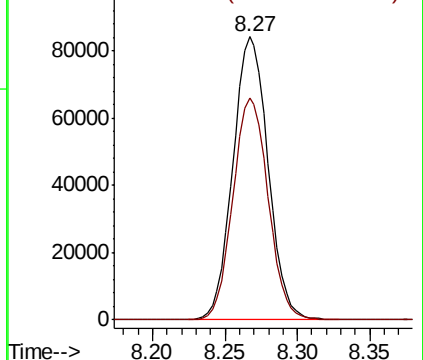


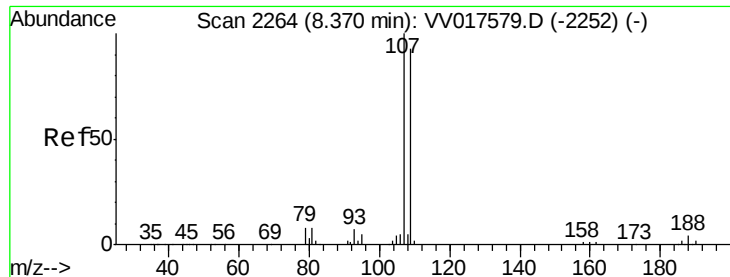
#49
Dibromochloromethane
Concen: 50.958 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Tgt Ion: 129 Resp: 142229
Ion Ratio Lower Upper
129 100
127 78.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV017579.D (-2218) (-)
Ion 127.00 (126.70 to 127.70): VV017579.D (-2218) (-)

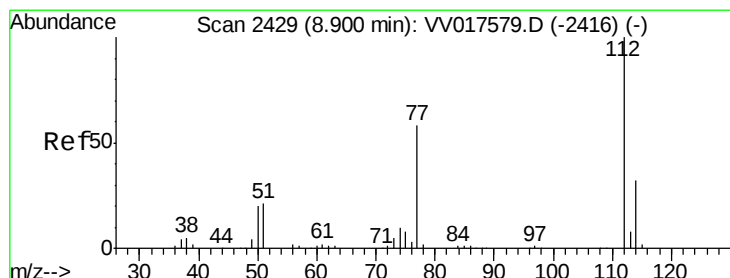
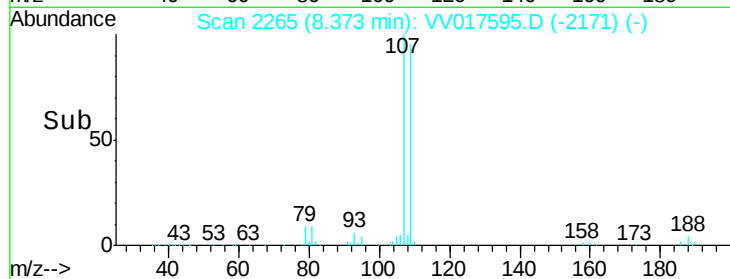
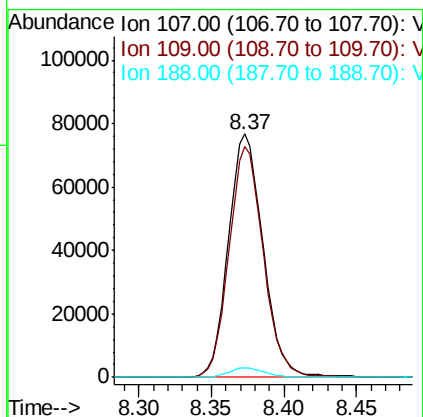
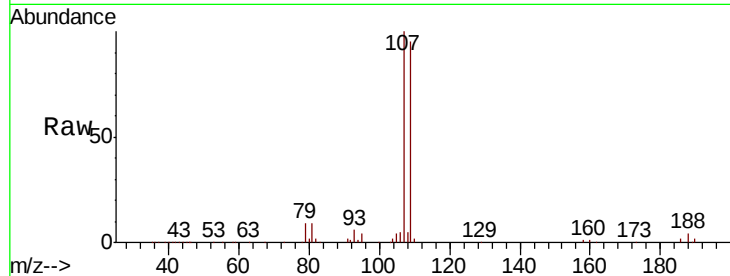




#50
 1,2-Dibromoethane
 Concen: 51.050 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017595.D
 Acq: 22 Jul 2020 19:04

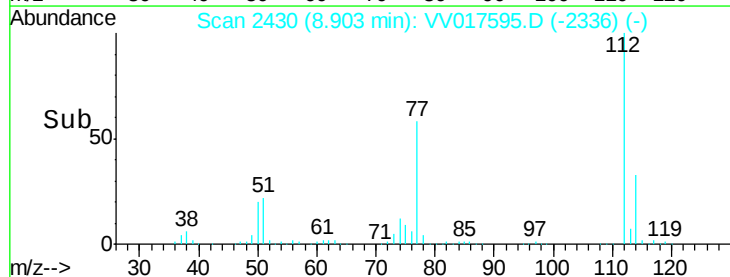
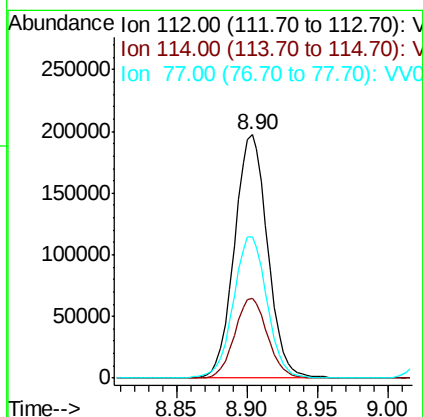
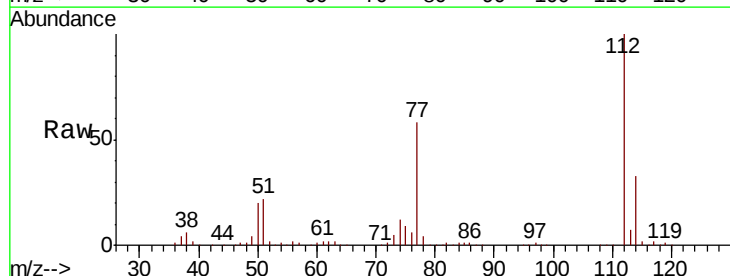
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

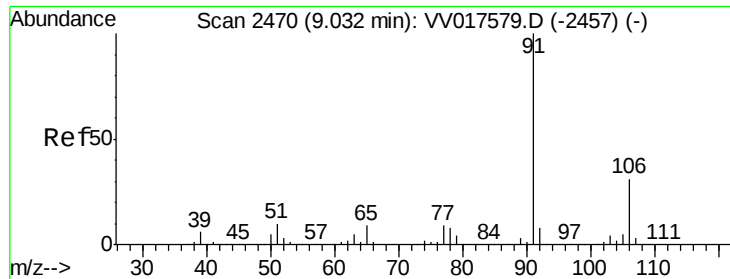
Tot Ion:107 Resp: 127083
 Ion Ratio Lower Upper
 107 100
 109 94.7 67.7 125.7
 188 4.1 3.5 5.3



#51
 Chlorobenzene
 Concen: 50.243 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017595.D
 Acq: 22 Jul 2020 19:04

Tgt Ion:112 Resp: 325033
 Ion Ratio Lower Upper
 112 100
 114 32.8 21.9 40.7
 77 58.2 46.1 69.1

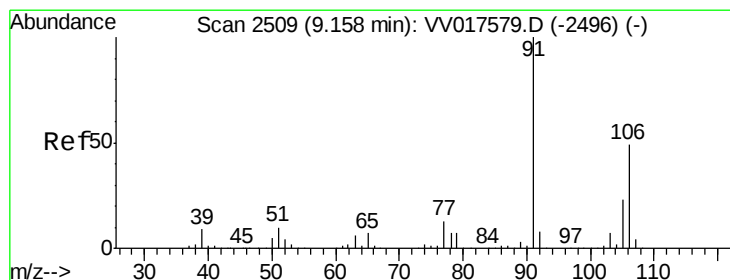
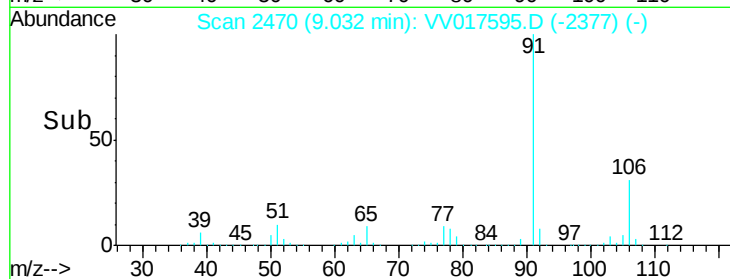
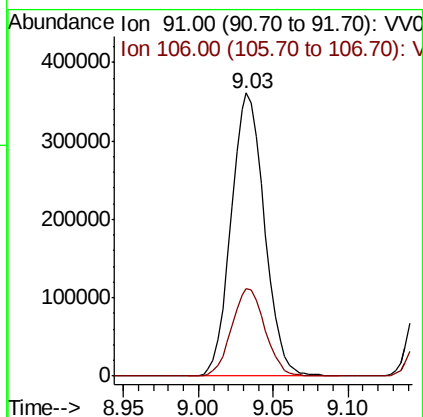
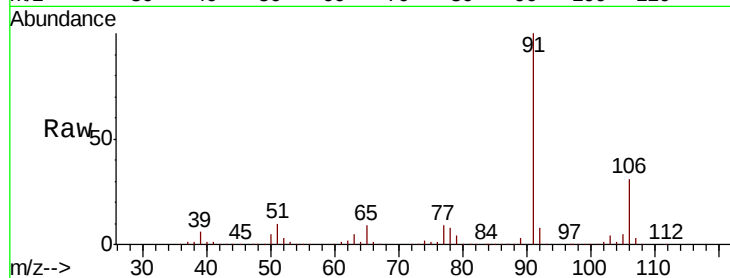




#52
Ethylbenzene
Concen: 51.281 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

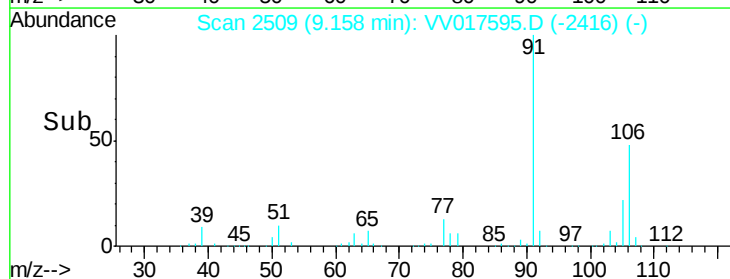
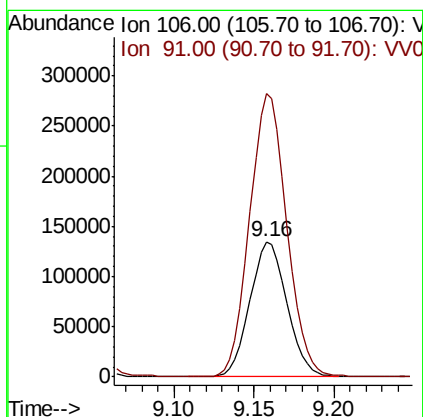
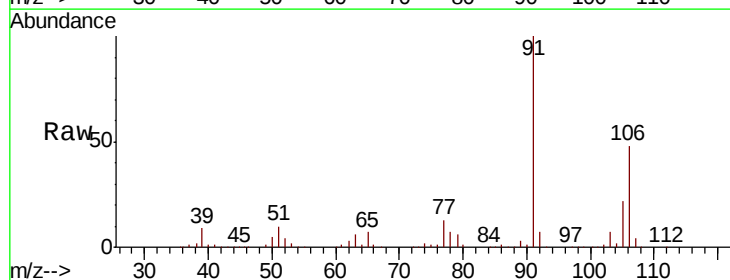
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

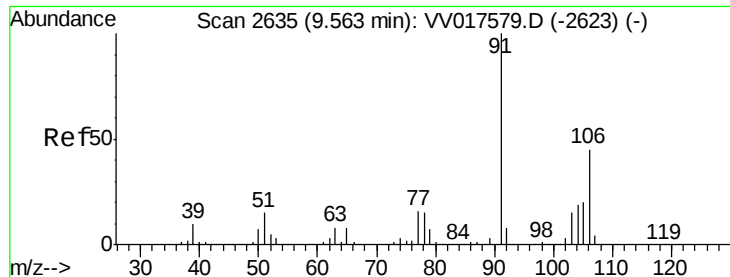
Tot Ion: 91 Resp: 559517
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.6



#53
m,p-Xylene
Concen: 50.778 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV017595.D
Acq: 22 Jul 2020 19:04

Tgt Ion: 106 Resp: 212270
Ion Ratio Lower Upper
106 100
91 209.5 146.2 271.6





#54

o-xylene

Concen: 52.180 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

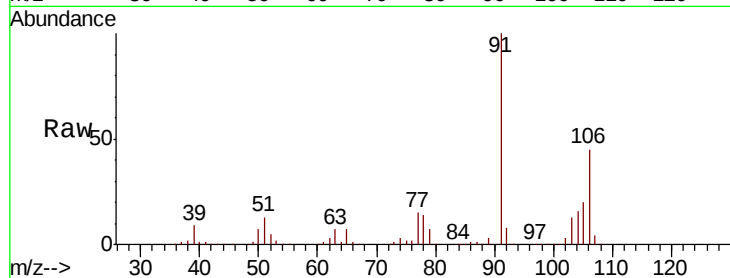
VSTD05088

Tot Ion:106 Resp: 211876

Ion Ratio Lower Upper

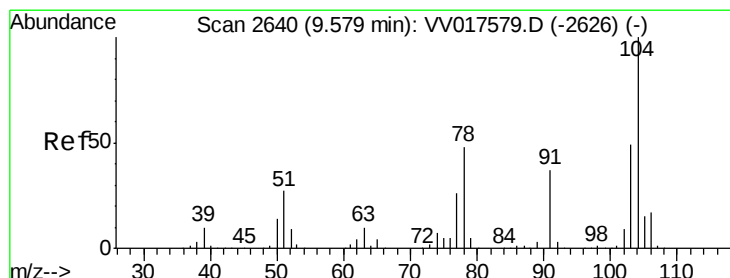
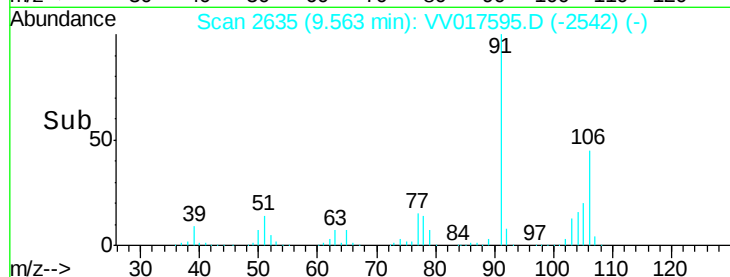
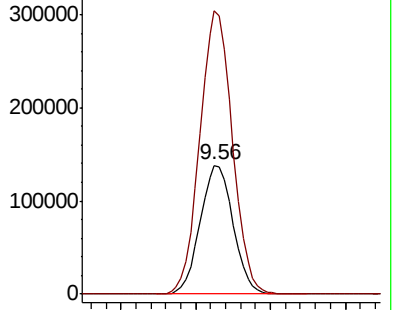
106 100

91 220.3 153.6 285.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.249 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017595.D

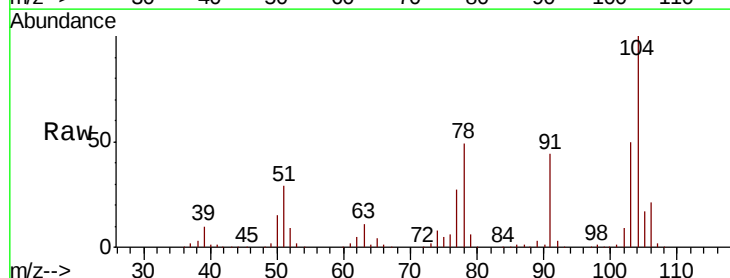
Acq: 22 Jul 2020 19:04

Tgt Ion:104 Resp: 360931

Ion Ratio Lower Upper

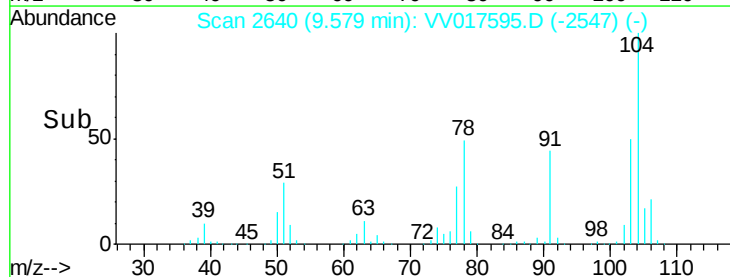
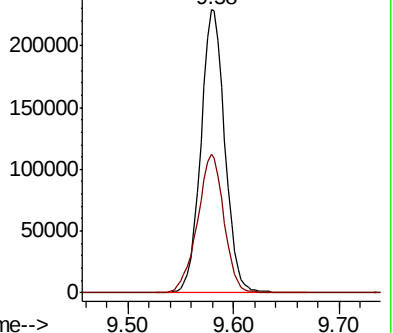
104 100

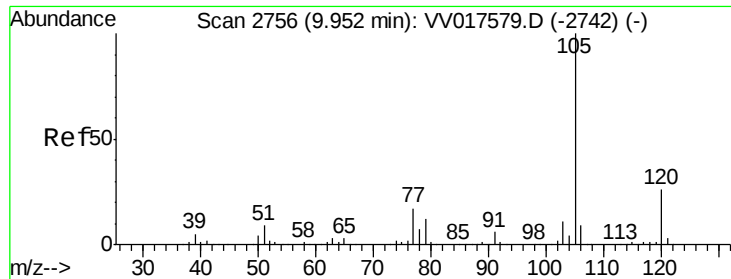
78 49.1 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.749 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleID :

VSTD05088

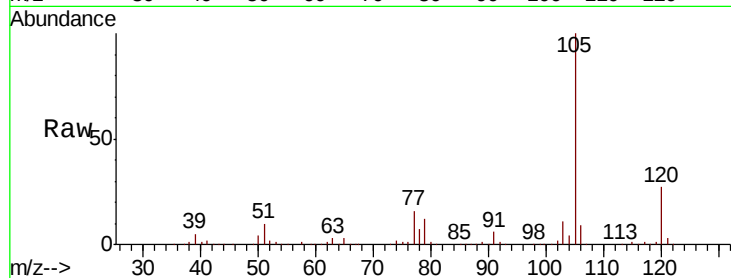
Tot Ion:105 Resp: 569601

Ion Ratio Lower Upper

105 100

120 26.9 20.8 31.2

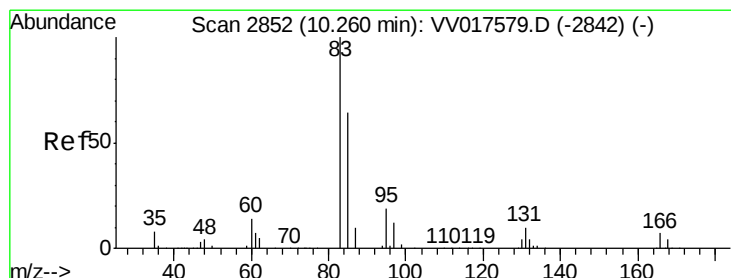
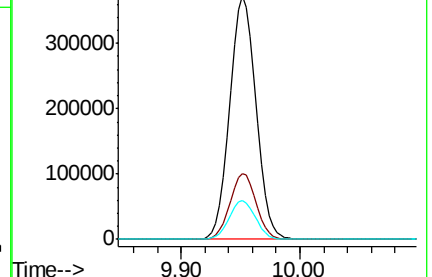
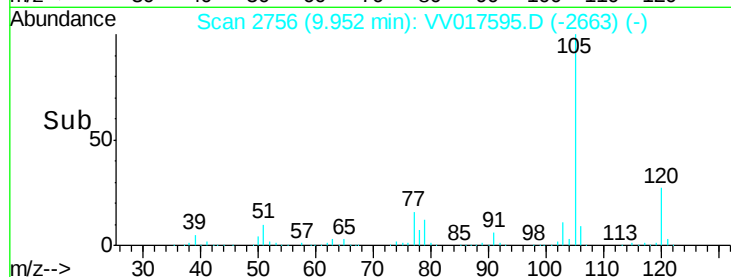
77 16.0 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.888 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

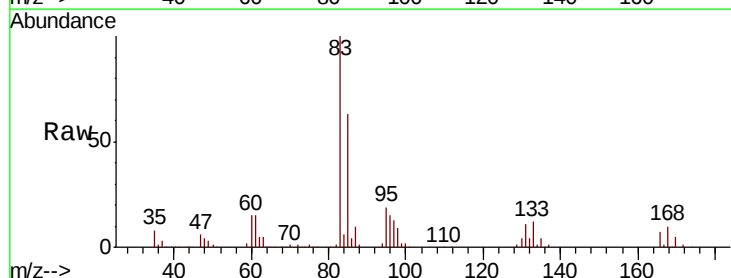
Tgt Ion: 83 Resp: 180148

Ion Ratio Lower Upper

83 100

85 62.9 44.5 82.7

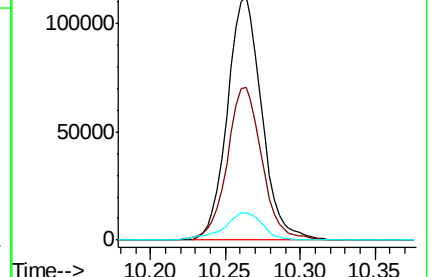
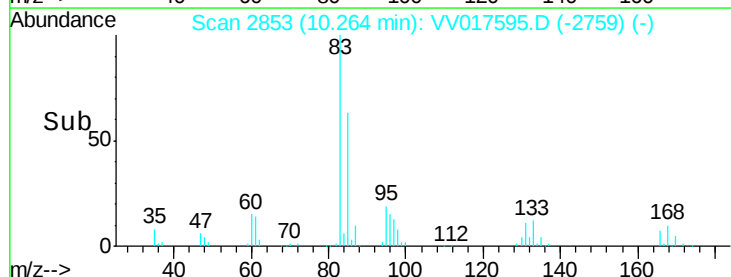
131 11.4 8.9 13.3

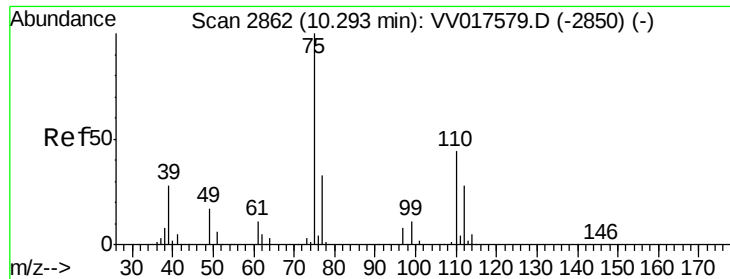


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.471 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

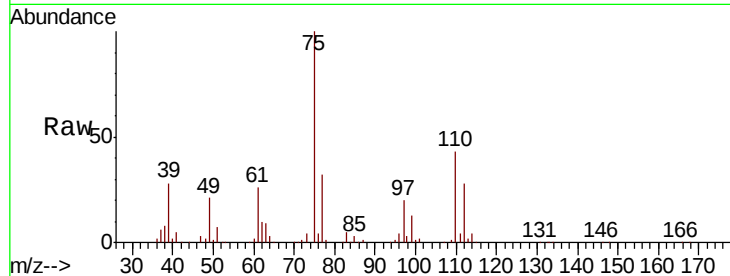
VSTD05088

Tot Ion: 75 Resp: 150657

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV017579.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017579.D (-2850) (-)

10.30

80000

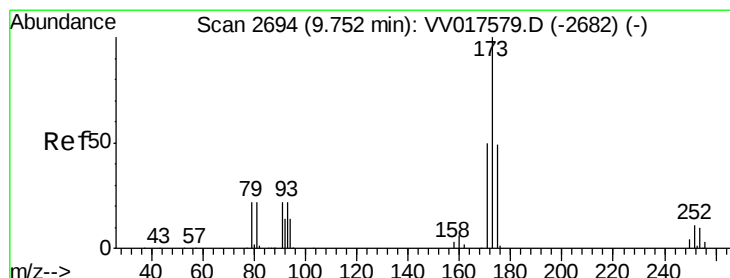
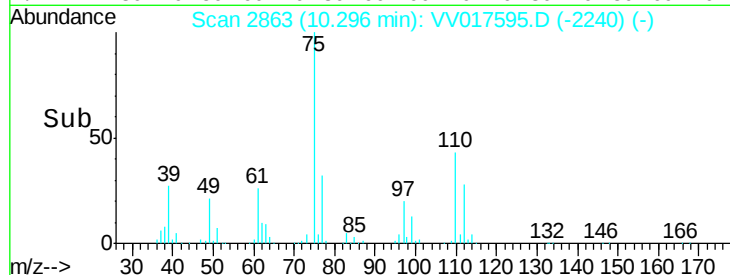
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 50.482 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

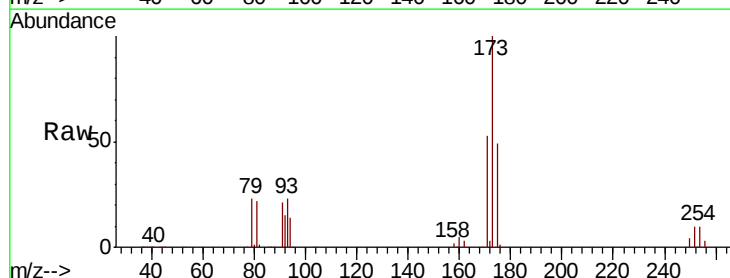
Tgt Ion: 173 Resp: 107447

Ion Ratio Lower Upper

173 100

175 48.9 38.5 57.7

254 10.2 8.3 12.5



Abundance Ion 173.00 (172.70 to 173.70): VV017579.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017579.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017579.D (-2682) (-)

9.75

80000

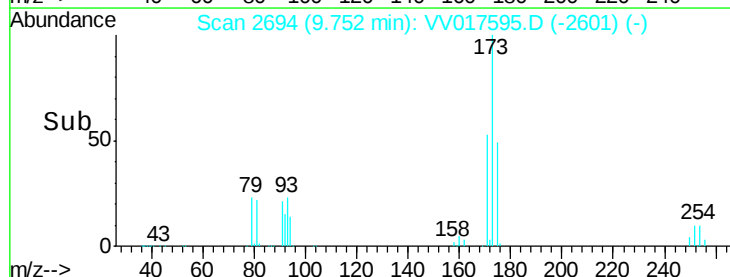
60000

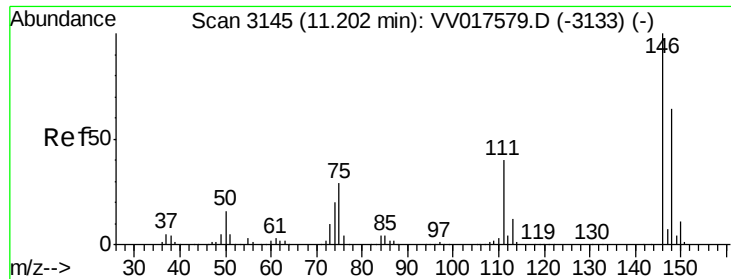
40000

20000

0

Time-->

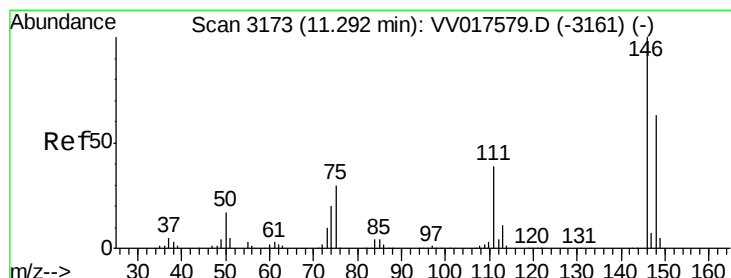
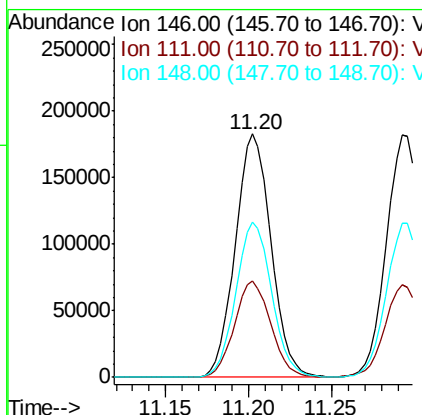
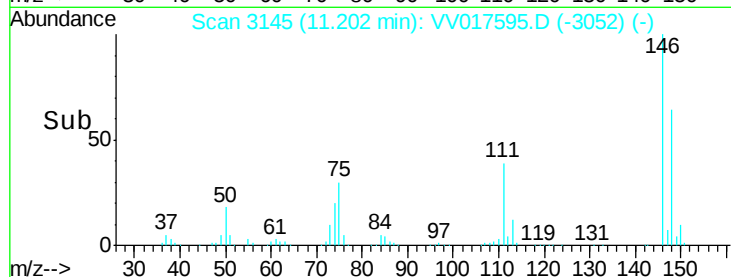
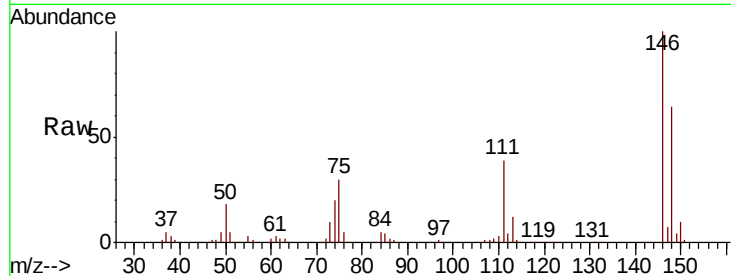




#62
 1,3-Dichlorobenzene
 Concen: 50.188 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017595.D
 Acq: 22 Jul 2020 19:04

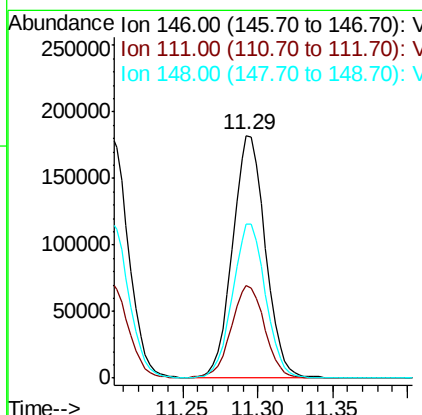
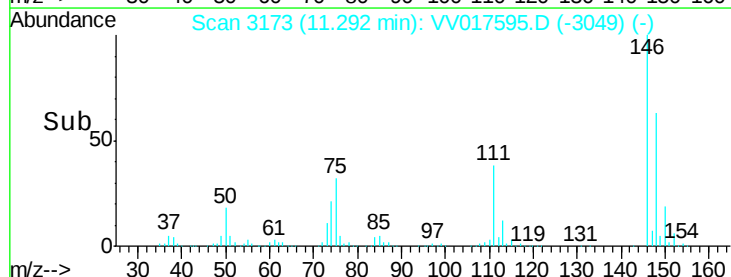
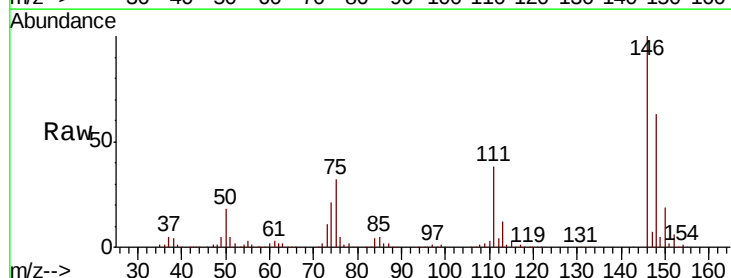
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

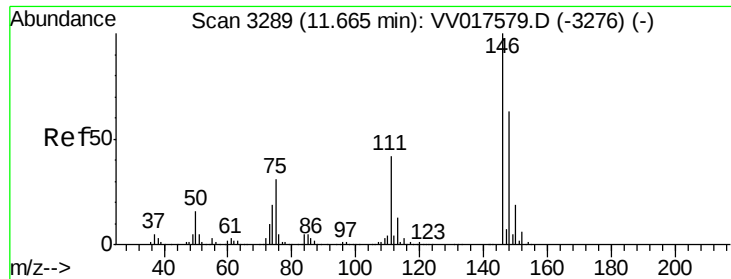
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.2	52.4
148	64.0	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 49.677 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017595.D
 Acq: 22 Jul 2020 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.3	50.7
148	63.4	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 50.662 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

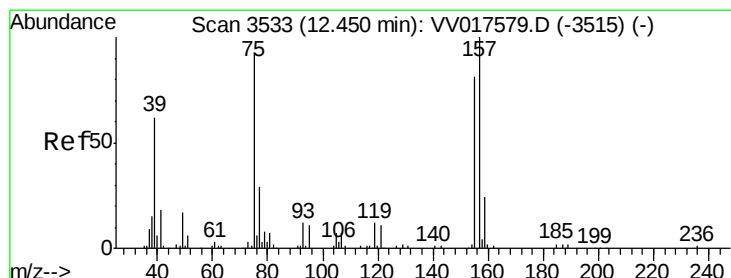
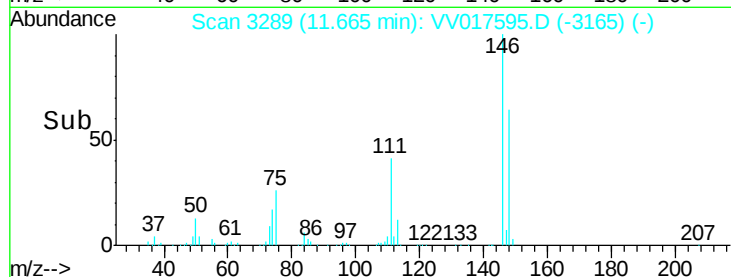
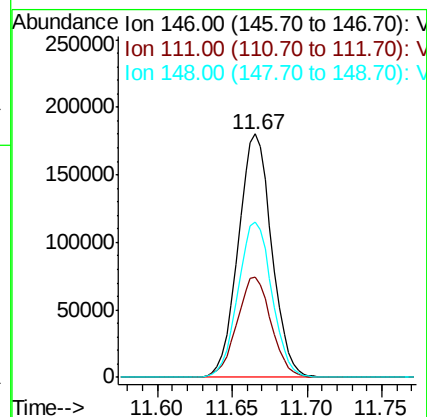
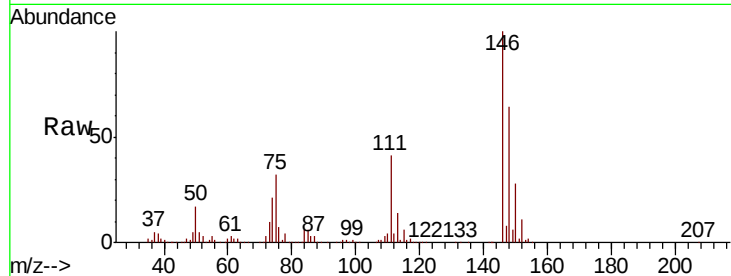
Tot Ion:146 Resp: 281092

Ion Ratio Lower Upper

146 100

111 41.3 32.9 49.3

148 64.0 51.0 76.4



#66

1,2-Dibromo-3-chloropropane

Concen: 51.595 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

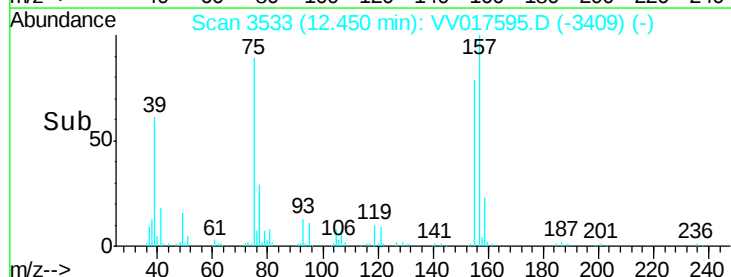
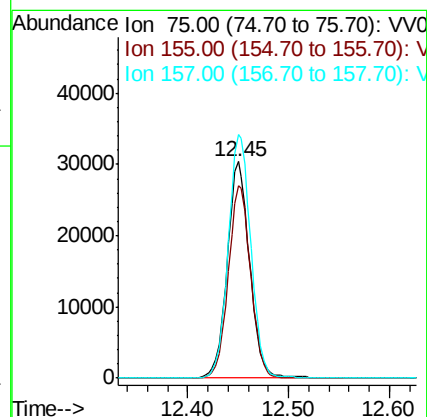
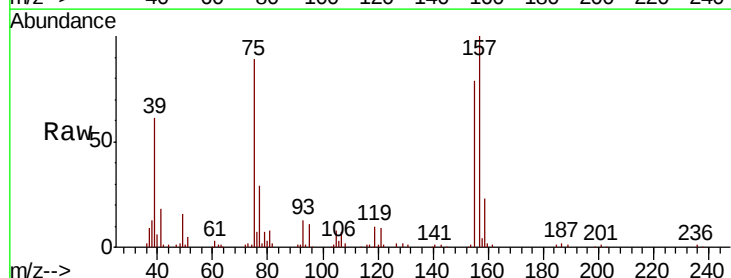
Tgt Ion: 75 Resp: 47383

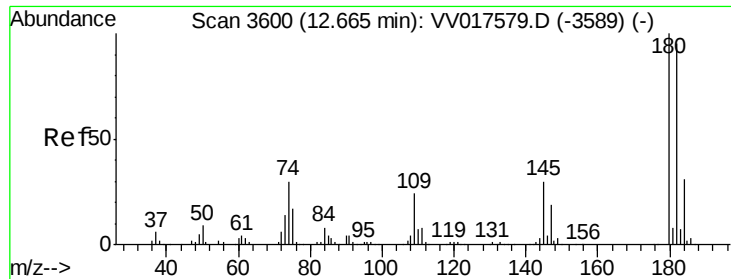
Ion Ratio Lower Upper

75 100

155 89.0 69.2 103.8

157 112.5 86.9 130.3

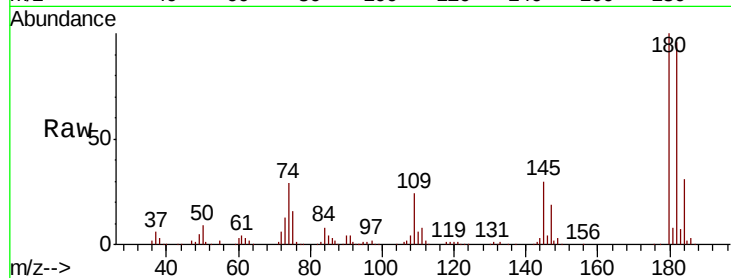




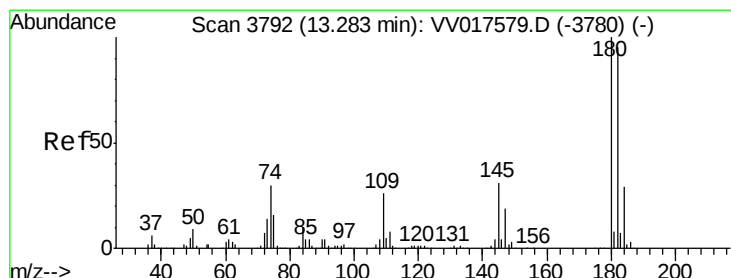
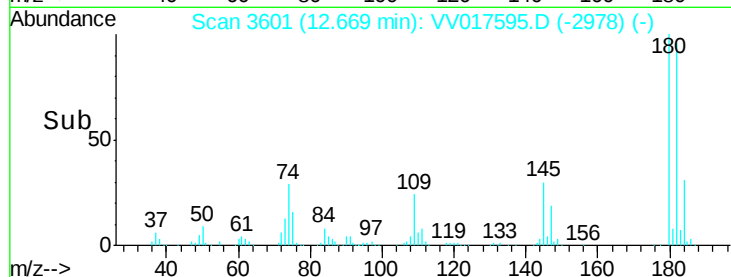
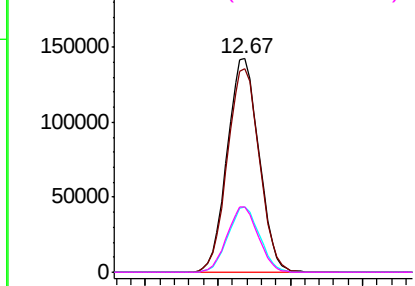
#67
 1,3,5-Trichlorobenzene
 Concen: 50.234 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017595.D
 Acq: 22 Jul 2020 19:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion:180 Resp: 217036
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.7 115.1
 184 30.5 24.5 36.7
 145 30.0 24.2 36.2

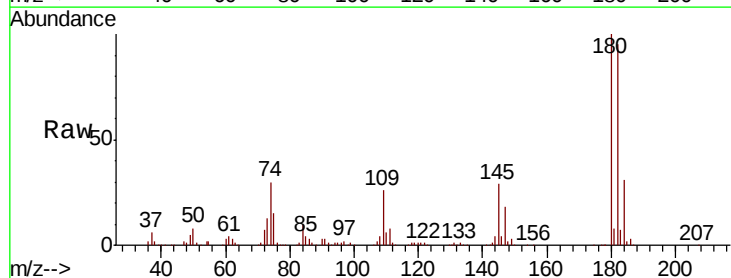


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

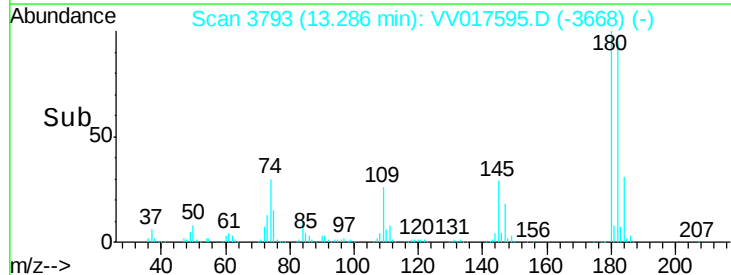
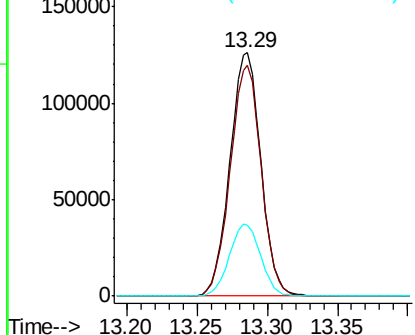


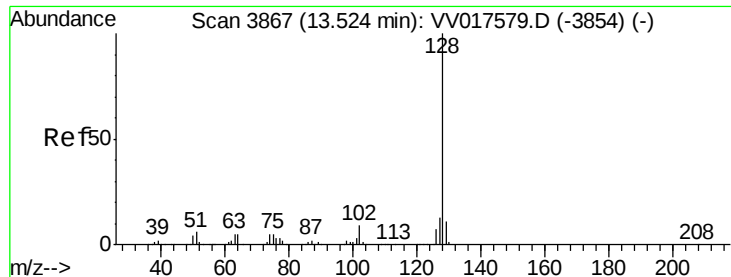
#68
 1,2,4-trichlorobenzene
 Concen: 50.552 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017595.D
 Acq: 22 Jul 2020 19:04

Tgt Ion:180 Resp: 193716
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.4
 145 29.9 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: 53.323 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

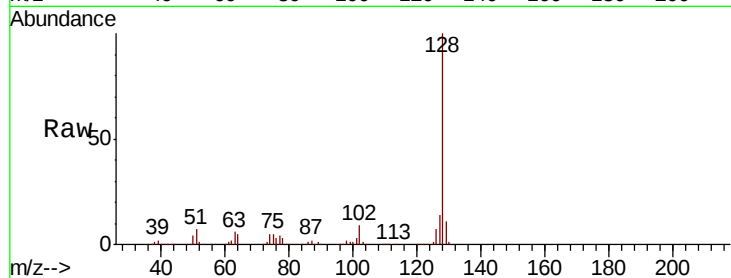
Tot Ion:128 Resp: 572050

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

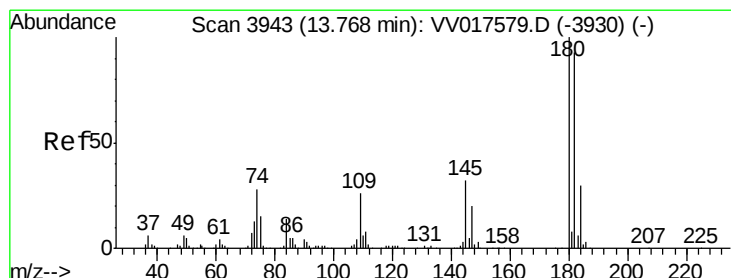
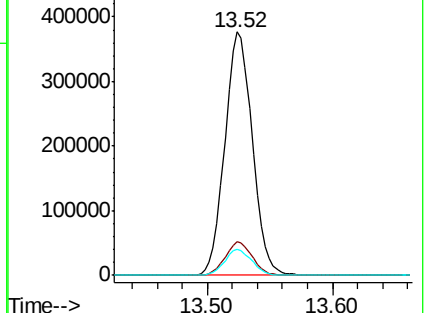
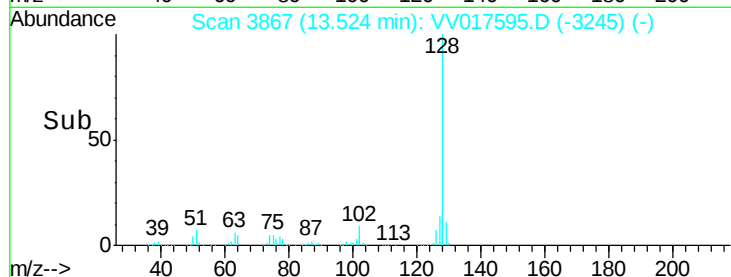
129 10.7 8.7 13.1



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: 50.686 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017595.D

Acq: 22 Jul 2020 19:04

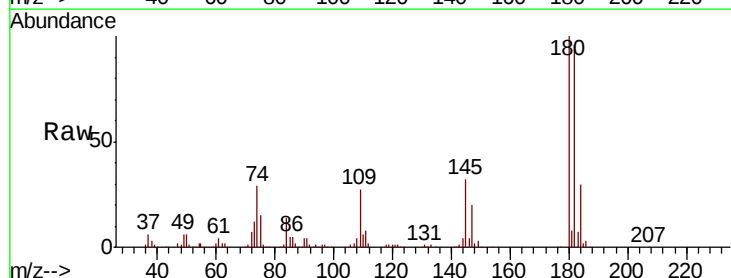
Tgt Ion:180 Resp: 194283

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

145 32.6 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

