

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\
 Data File : VV018614.D
 Acq On : 02 Oct 2020 02:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Oct 02 04:21:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 02 04:18:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	285846	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	284654	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	156885	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93703	55.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.78%
7) Chloroethane-d5	1.58	69	83301	60.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.20%
11) 1,1-Dichloroethene-d2	2.12	63	203459	59.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.12%
21) 2-Butanone-d5	3.91	46	118782	94.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.99%
24) Chloroform-d	4.38	84	186648	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.98%
26) 1,2-Dichloroethane-d4	5.06	65	122156	53.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.16%
32) Benzene-d6	5.08	84	353975	49.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.18%
36) 1,2-Dichloropropane-d6	6.09	67	106696	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.34	98	338071	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	7.64	79	54189	46.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.08%
47) 2-Hexanone-d5	8.11	63	77498	93.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.66%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	140937	48.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	142659	47.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	90867	46.752	ug/L	98
3) Chloromethane	1.25	50	92989	44.713	ug/L	98
5) Vinyl chloride	1.32	62	109142	49.915	ug/L	99
6) Bromomethane	1.53	94	68828	46.250	ug/L	98
8) Chloroethane	1.60	64	75669	56.159	ug/L	100
9) Trichlorofluoromethane	1.76	101	191769	57.706	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	102490	55.102	ug/L	98
12) 1,1-Dichloroethene	2.13	96	99715	55.882	ug/L	99
13) Acetone	2.19	43	104764	96.971	ug/L	99
14) Carbon disulfide	2.31	76	272913	47.213	ug/L	98
15) Methyl Acetate	2.45	43	100020	48.055	ug/L	100
16) Methylene chloride	2.52	84	108889	50.843	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	100832	49.384	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	313742	50.433	ug/L	99
19) 1,1-Dichloroethane	3.21	63	180606	50.518	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	108554	50.026	ug/L	98
22) 2-Butanone	4.00	43	132064	96.766	ug/L	99

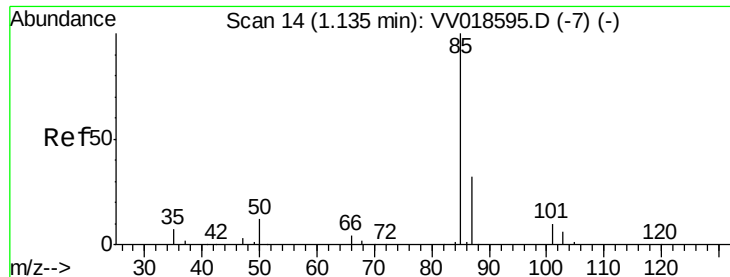
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\
 Data File : VV018614.D
 Acq On : 02 Oct 2020 02:18
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 02 04:18:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	58992	49.438	ug/L	99
25) Chloroform	4.40	83	196209	51.977	ug/L	99
27) 1,2-Dichloroethane	5.15	62	158113	53.738	ug/L	99
29) Cyclohexane	4.70	56	149628	46.088	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	177567	50.247	ug/L	99
31) Carbon tetrachloride	4.86	117	160306	50.545	ug/L	100
33) Benzene	5.13	78	407373	48.713	ug/L	100
34) Trichloroethene	5.94	95	120281	49.542	ug/L	98
35) Methylcyclohexane	6.15	83	144830	44.221	ug/L	98
37) 1,2-Dichloropropane	6.20	63	103653	48.310	ug/L	99
38) Bromodichloromethane	6.53	83	144170	50.174	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	158359	47.043	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	271835	98.187	ug/L	99
42) Toluene	7.41	91	451241	49.879	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	162330	49.090	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	107203	50.473	ug/L	99
46) Tetrachloroethene	8.00	164	95878	48.677	ug/L	98
48) 2-Hexanone	8.16	43	214102	99.115	ug/L	99
49) Dibromochloromethane	8.27	129	123212	50.718	ug/L	100
50) 1,2-Dibromoethane	8.37	107	113473	50.248	ug/L	100
51) Chlorobenzene	8.90	112	298241	48.731	ug/L	99
52) Ethylbenzene	9.03	91	498777	49.369	ug/L	99
53) m,p-Xylene	9.16	106	193857	49.650	ug/L	98
54) o-xylene	9.56	106	185746	50.248	ug/L	100
55) Styrene	9.58	104	327739	50.918	ug/L	98
56) Isopropylbenzene	9.95	105	492547	49.682	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	148338	49.548	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	129805	49.738	ug/L	98
61) Bromoform	9.75	173	90039	49.964	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	248676	48.978	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	255316	48.834	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	249320	49.637	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33717	49.172	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	161576	45.941	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	153800	46.995	ug/L	99
69) Naphthalene	13.52	128	470137	50.184	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	157764	48.021	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.752 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

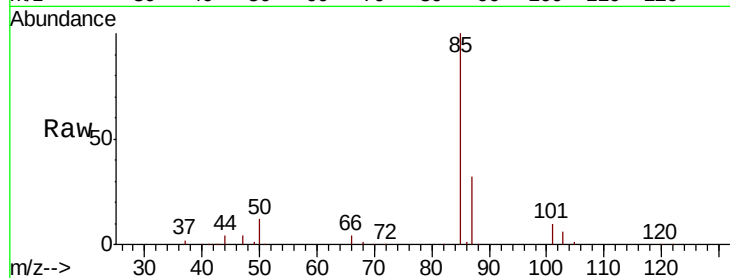
VSTD05098

Tot Ion: 85 Resp: 90867

Ion Ratio Lower Upper

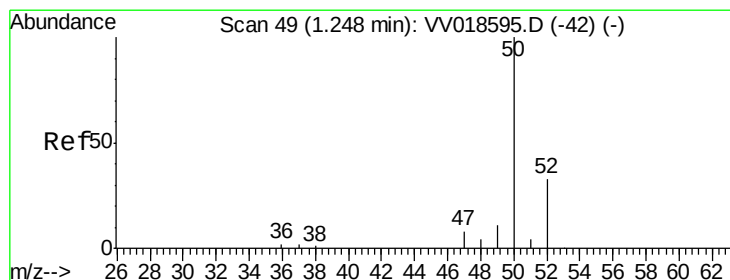
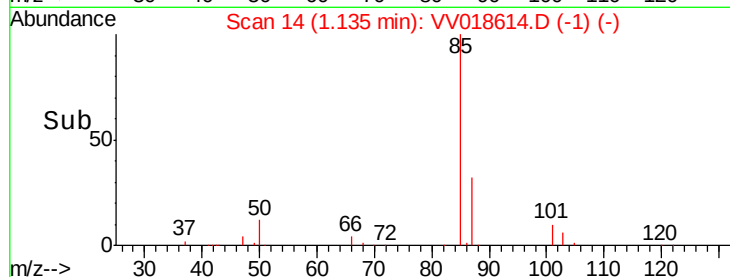
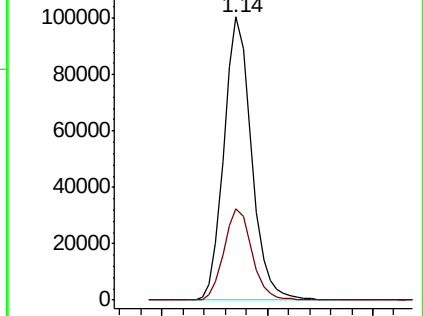
85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 44.713 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018614.D

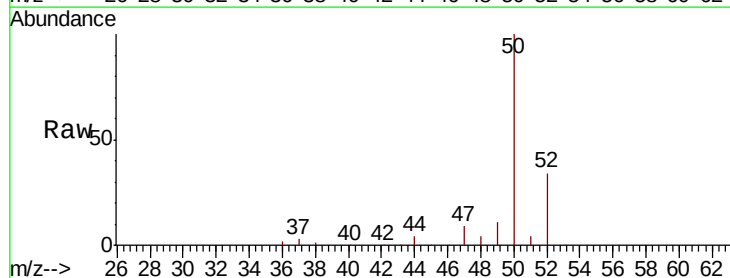
Acq: 02 Oct 2020 02:18

Tgt Ion: 50 Resp: 92989

Ion Ratio Lower Upper

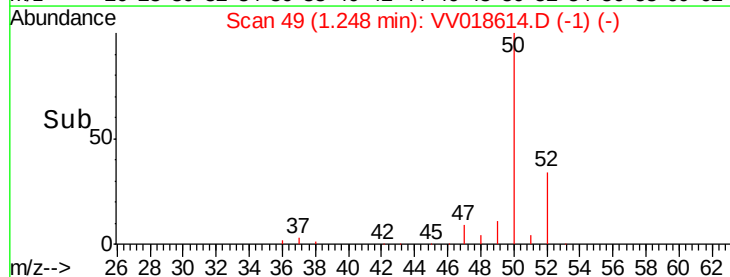
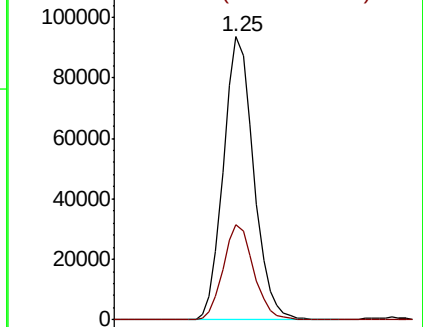
50 100

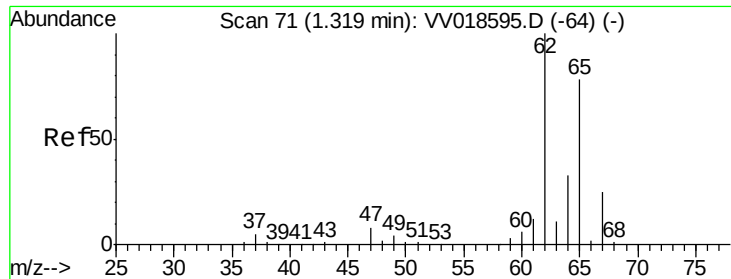
52 33.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.915 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleID :

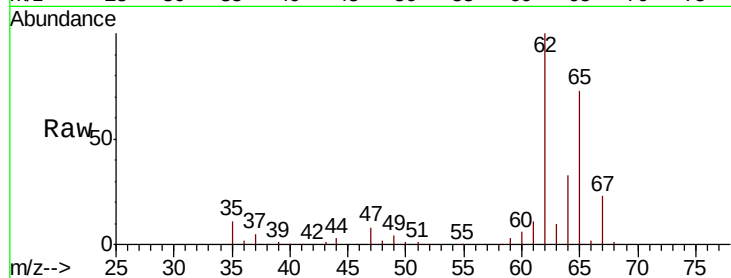
VSTD05098

Tot Ion: 62 Resp: 109142

Ion Ratio Lower Upper

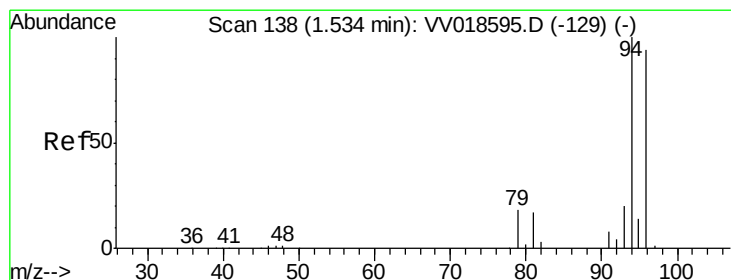
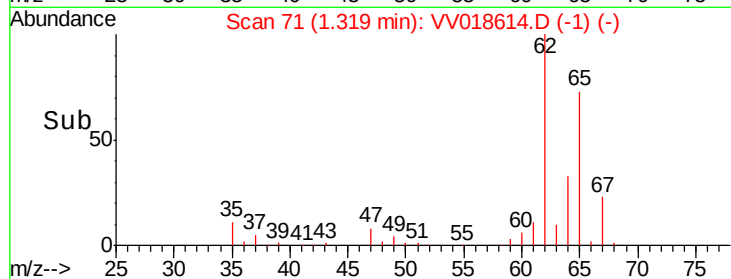
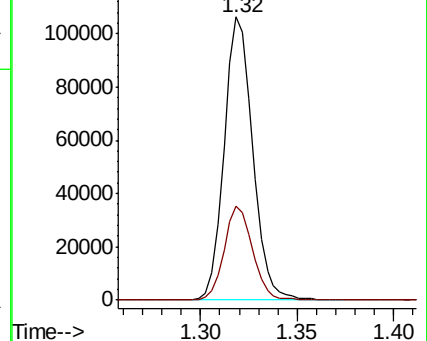
62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 46.250 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018614.D

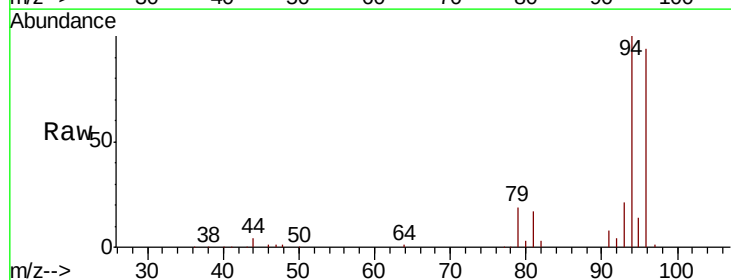
Acq: 02 Oct 2020 02:18

Tgt Ion: 94 Resp: 68828

Ion Ratio Lower Upper

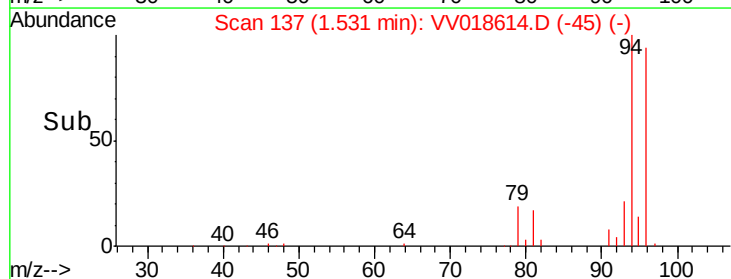
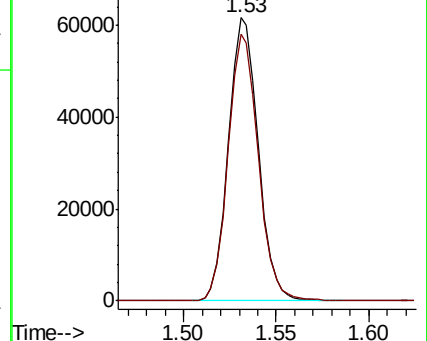
94 100

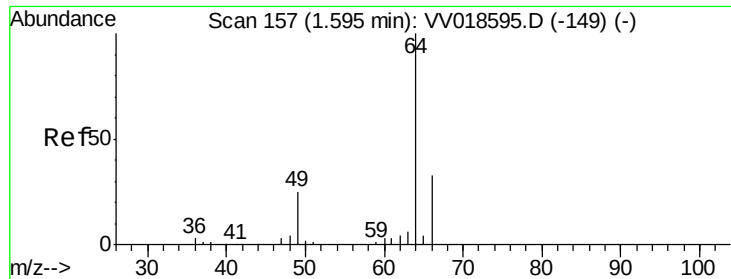
96 94.3 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 56.159 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

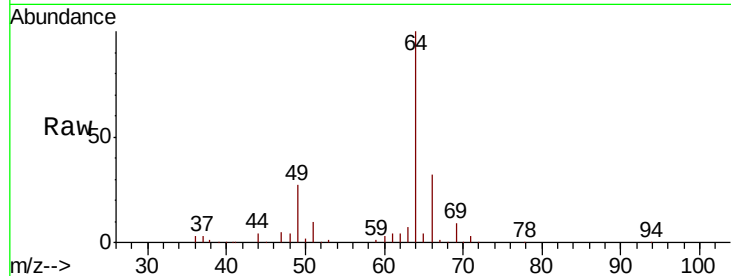
VSTD05098

Tot Ion: 64 Resp: 75669

Ion Ratio Lower Upper

64 100

66 32.3 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018595.D (-149) (-)

Ion 66.00 (65.70 to 66.70): VV018595.D (-149) (-)

1.60

80000

60000

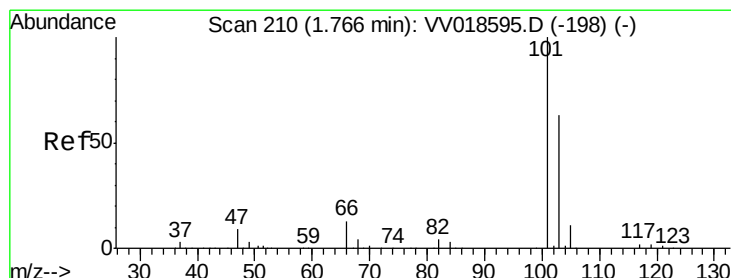
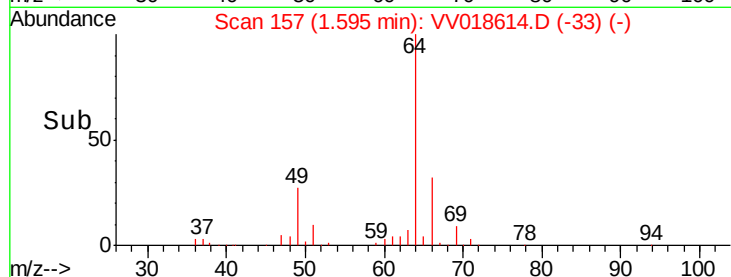
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 57.706 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018614.D

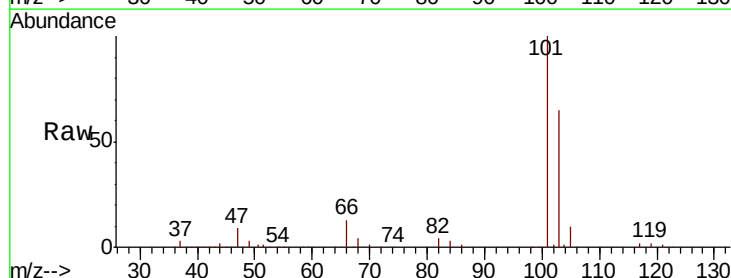
Acq: 02 Oct 2020 02:18

Tgt Ion: 101 Resp: 191769

Ion Ratio Lower Upper

101 100

103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018595.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018595.D (-198) (-)

1.76

150000

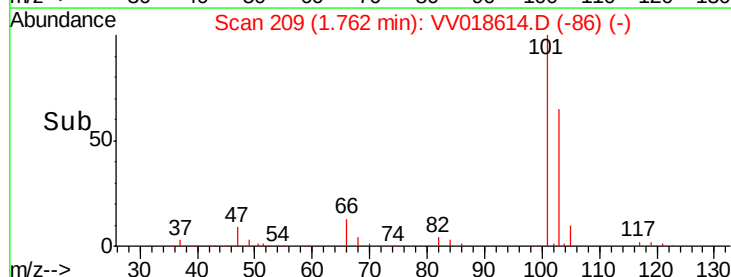
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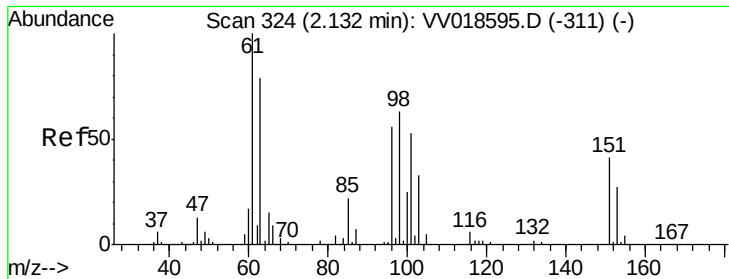
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 55.102 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

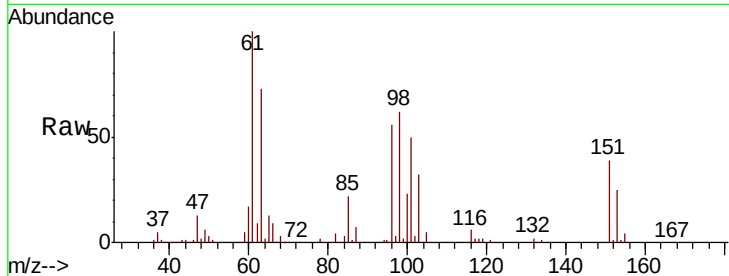
Tot Ion:101 Resp: 102490

Ion Ratio Lower Upper

101 100

85 44.1 34.6 52.0

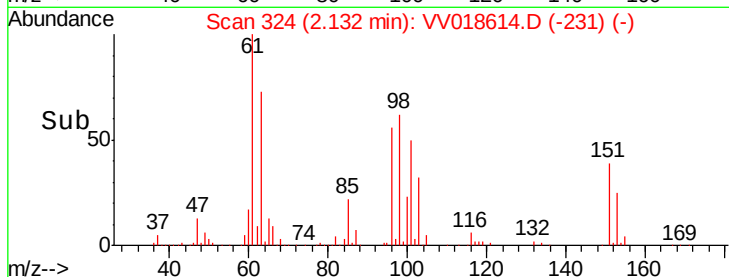
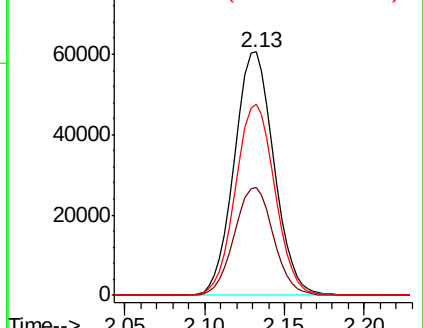
151 78.2 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018595.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018595.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018595.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 55.882 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

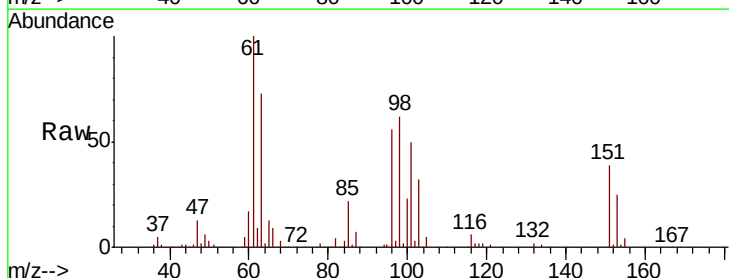
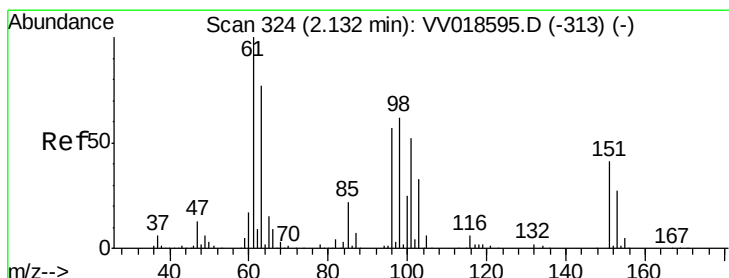
Tgt Ion: 96 Resp: 99715

Ion Ratio Lower Upper

96 100

61 177.3 122.8 228.1

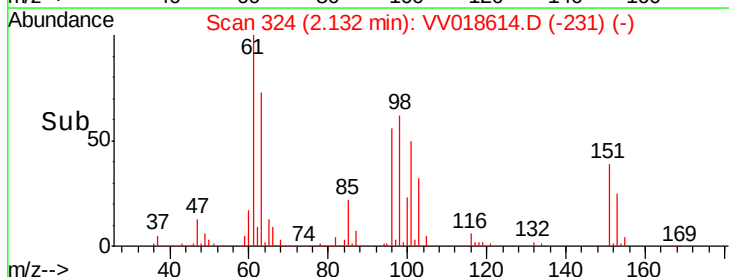
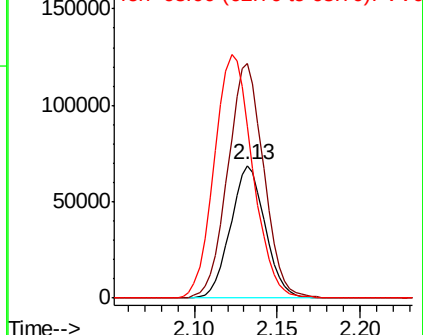
63 129.7 91.9 170.7

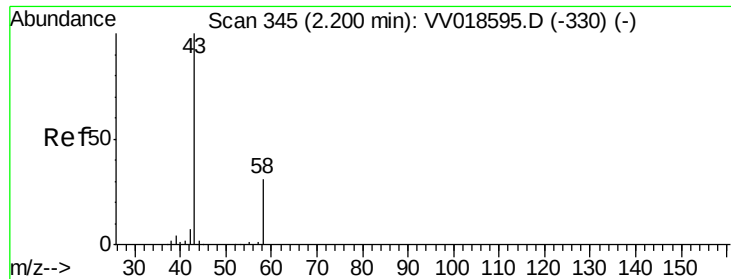


Abundance Ion 96.00 (95.70 to 96.70): VV018595.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018595.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018595.D (-313) (-)





#13

Acetone

Concen: 96.971 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

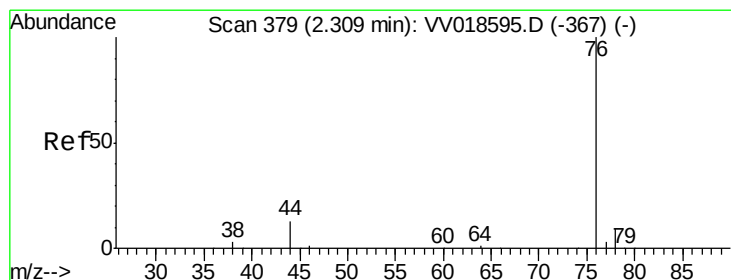
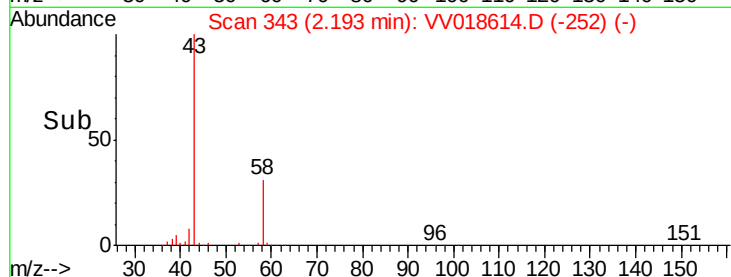
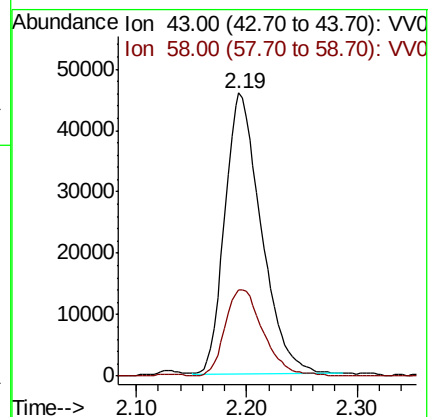
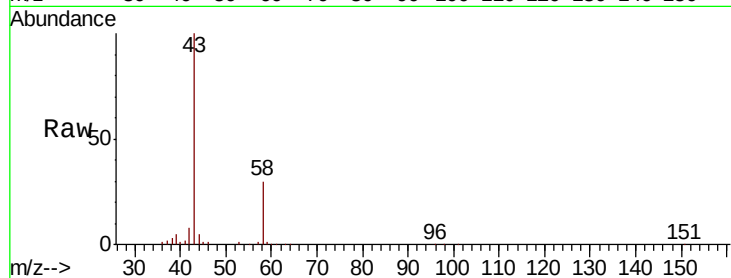
VSTD05098

Tot Ion: 43 Resp: 104764

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.0



#14

Carbon disulfide

Concen: 47.213 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018614.D

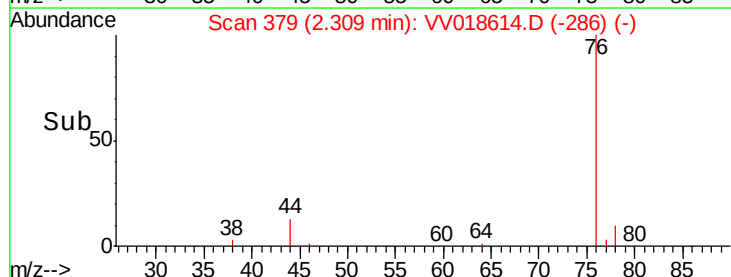
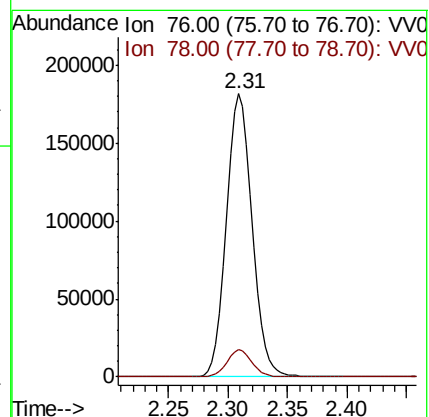
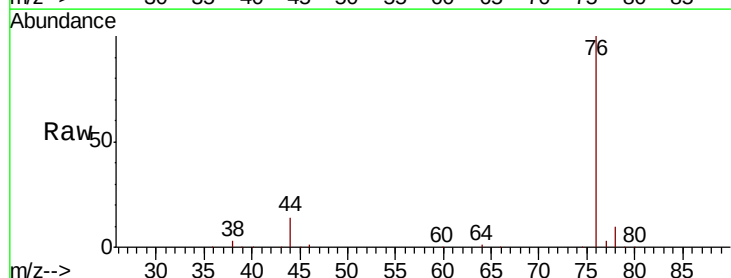
Acq: 02 Oct 2020 02:18

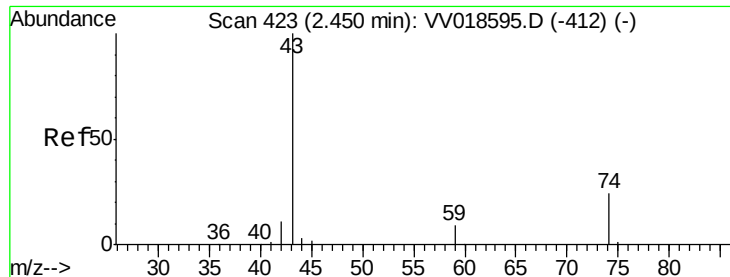
Tgt Ion: 76 Resp: 272913

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7

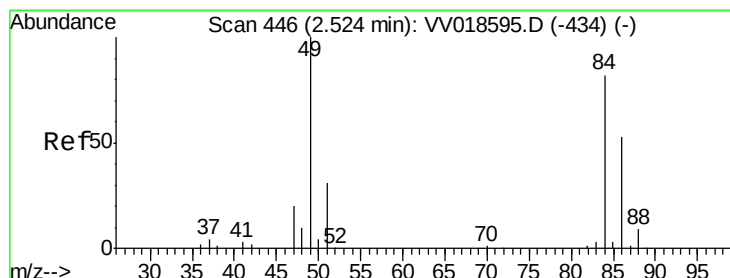
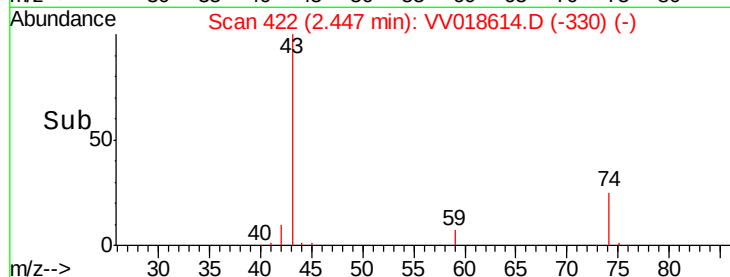
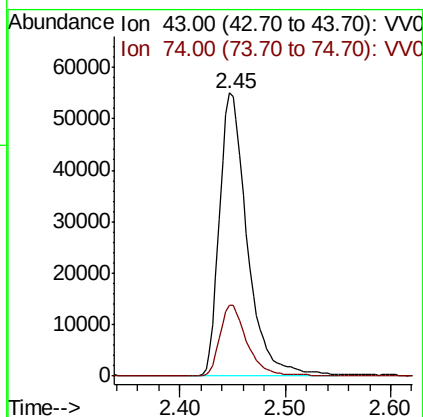
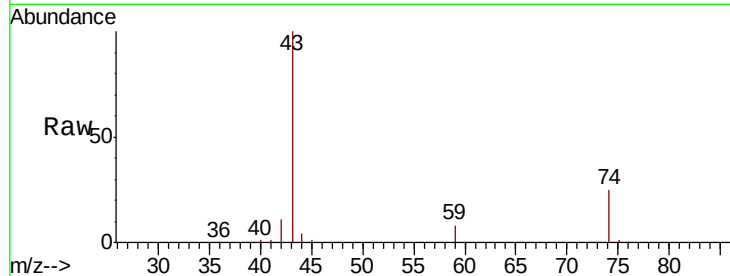




#15
Methvl Acetate
Concen: 48.055 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

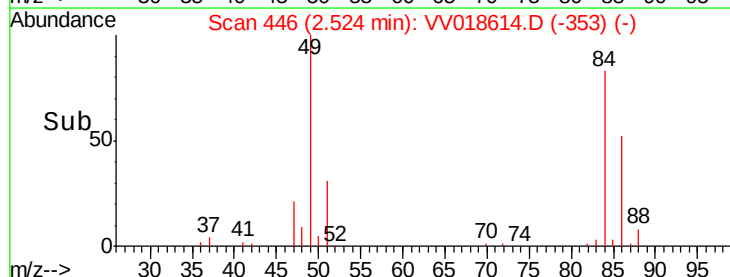
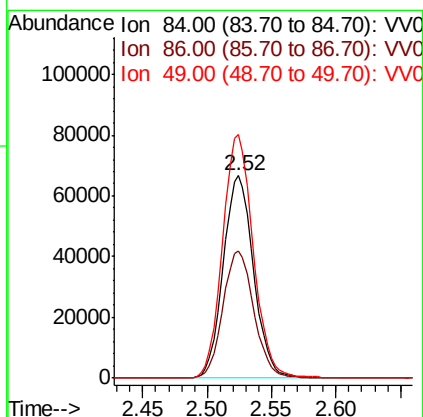
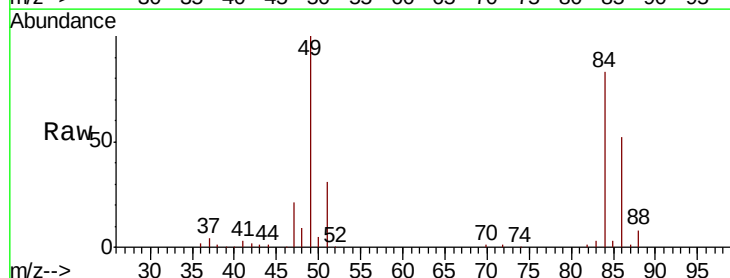
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

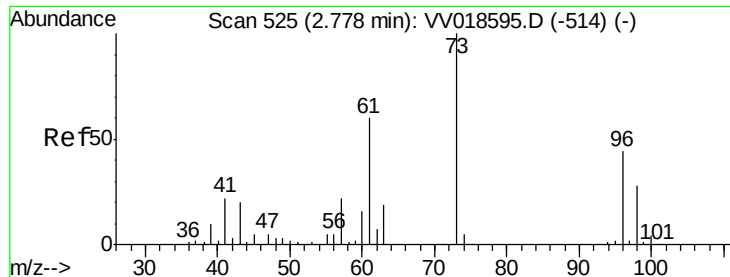
Tot Ion: 43 Resp: 100020
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8



#16
Methylene chloride
Concen: 50.843 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion: 84 Resp: 108889
Ion Ratio Lower Upper
84 100
86 63.1 46.2 85.8
49 120.4 86.6 160.8

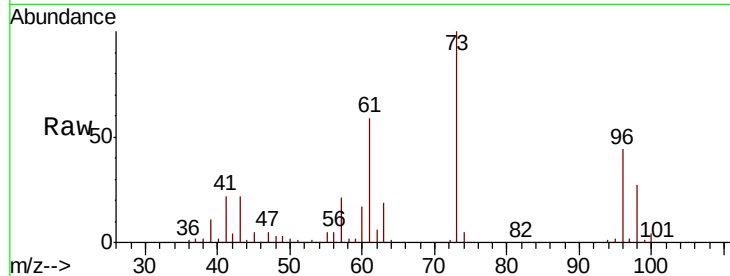




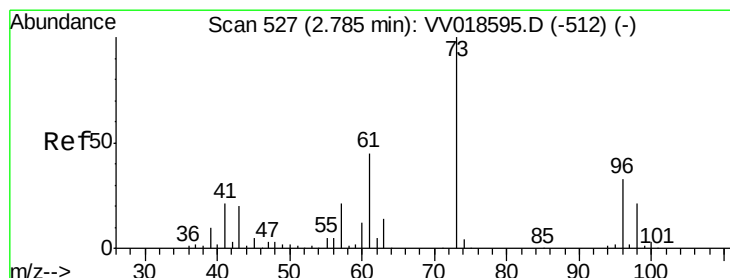
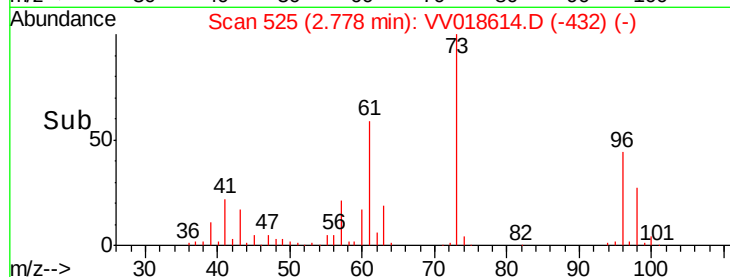
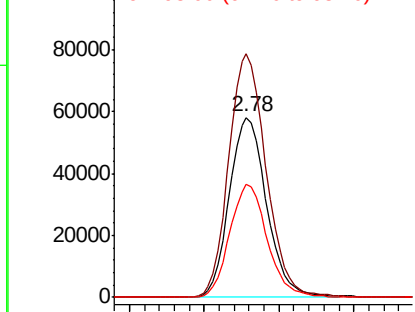
#17
trans-1,2-Dichloroethene
Concen: 49.384 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Instrument :
MSVOA_V
ClientSampled :
VSTD05098

Tot Ion: 96 Resp: 100832
Ion Ratio Lower Upper
96 100
61 135.2 95.0 176.4
98 62.8 44.6 82.8

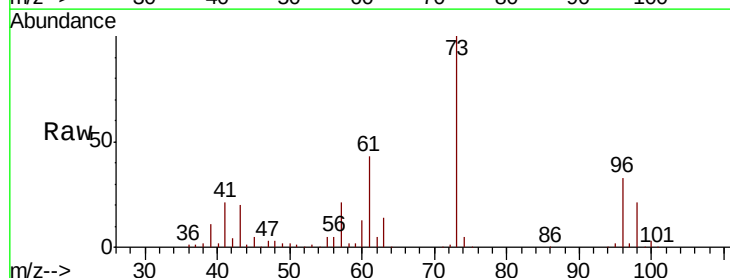


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

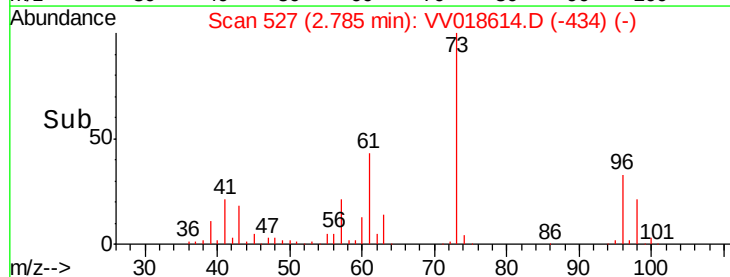
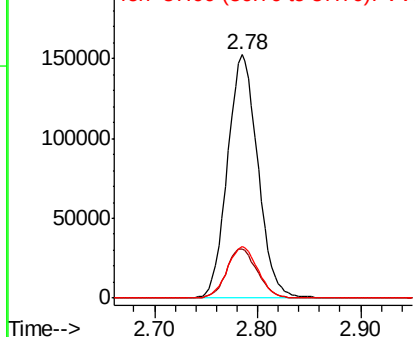


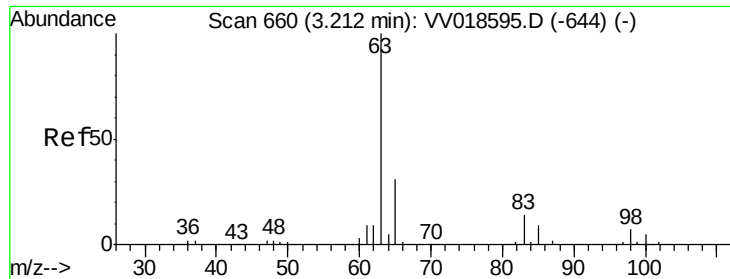
#18
Methyl tert-butyl Ether
Concen: 50.433 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion: 73 Resp: 313742
Ion Ratio Lower Upper
73 100
43 20.6 15.9 23.9
57 21.4 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

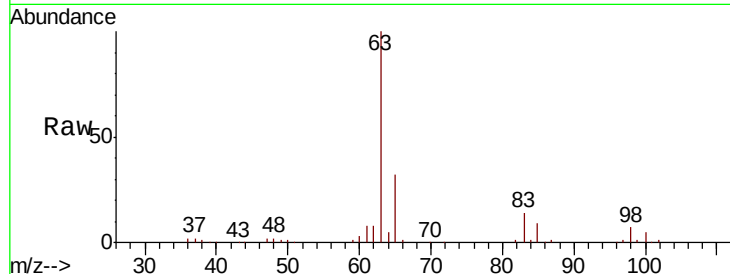




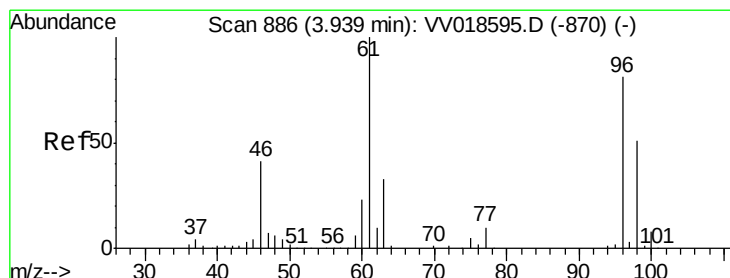
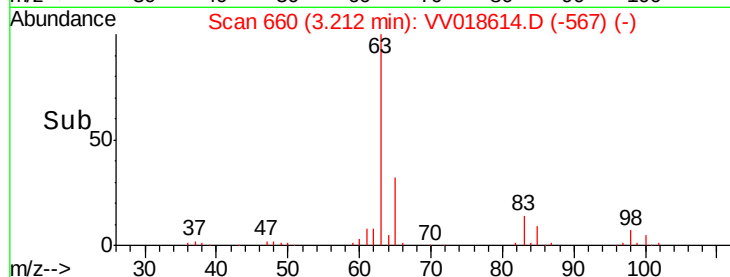
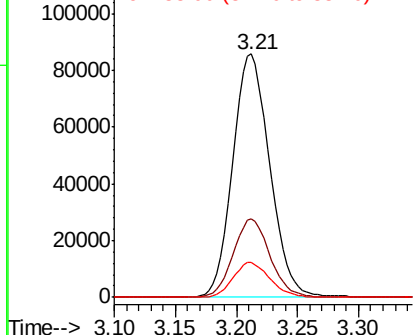
#19
 1,1-Dichloroethane
 Concen: 50.518 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion: 63 Resp: 180606
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.3 41.3
 83 14.3 9.3 17.3

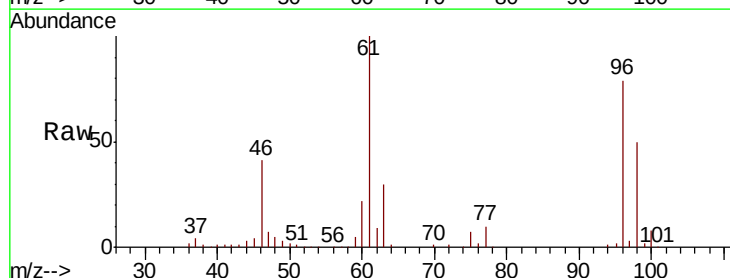


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

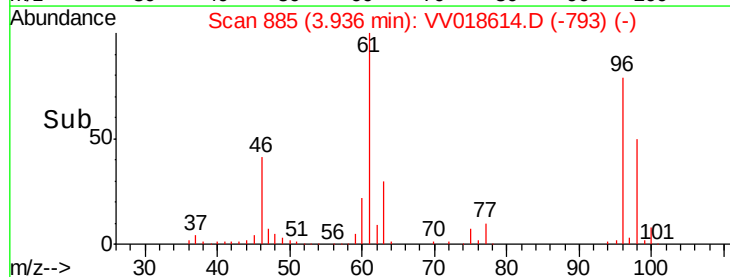
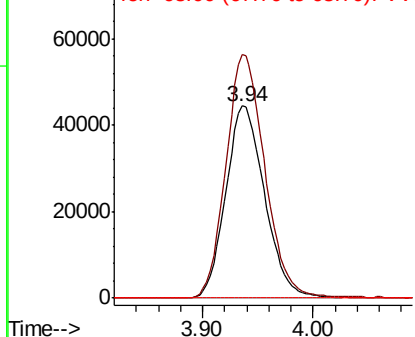


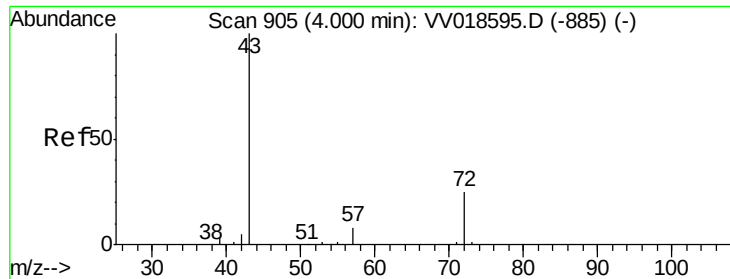
#20
 cis-1,2-Dichloroethene
 Concen: 50.026 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

Tgt Ion: 96 Resp: 108554
 Ion Ratio Lower Upper
 96 100
 61 126.6 86.8 161.2
 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: 96.766 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

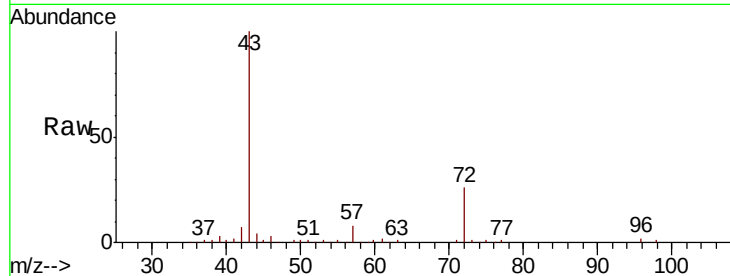
VSTD05098

Tot Ion: 43 Resp: 132064

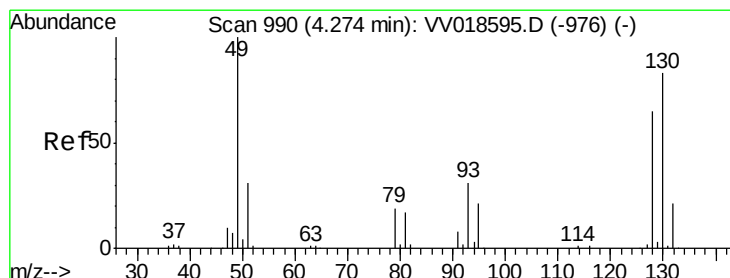
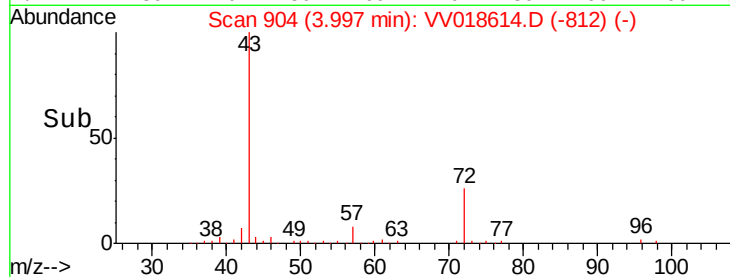
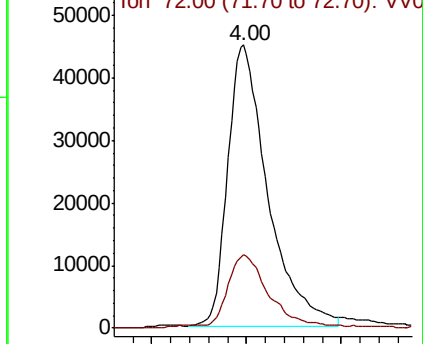
Ion Ratio Lower Upper

43 100

72 24.9 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018595.D (-885) (-)



#23

Bromochloromethane

Concen: 49.438 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Tgt Ion:128 Resp: 58992

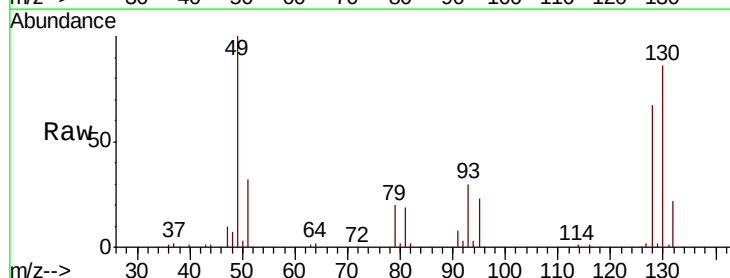
Ion Ratio Lower Upper

128 100

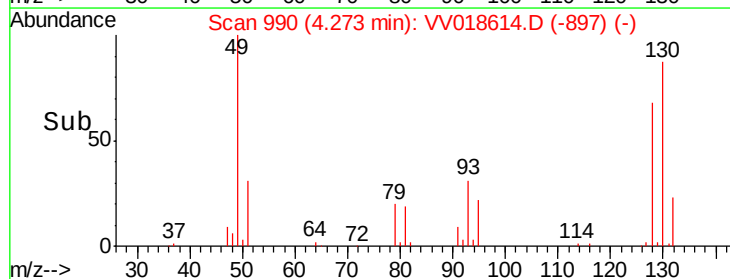
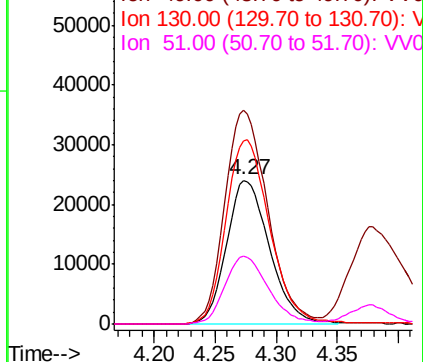
49 148.9 105.1 195.1

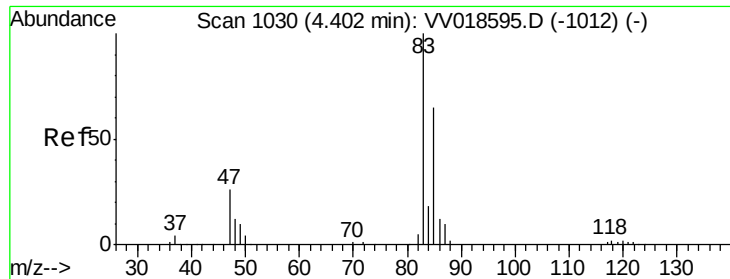
130 127.5 90.0 167.2

51 47.2 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018595.D (-976) (-)

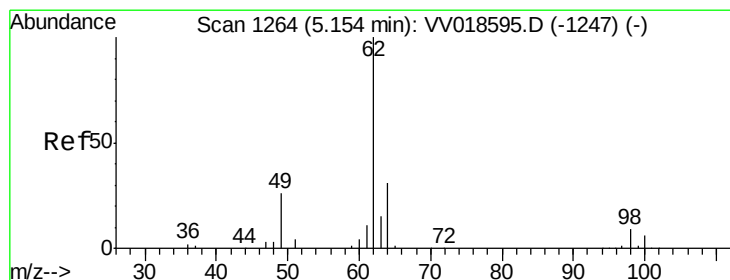
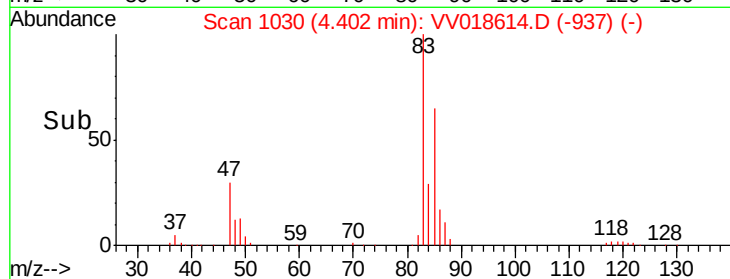
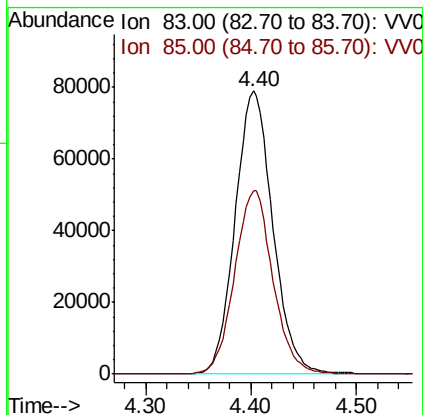
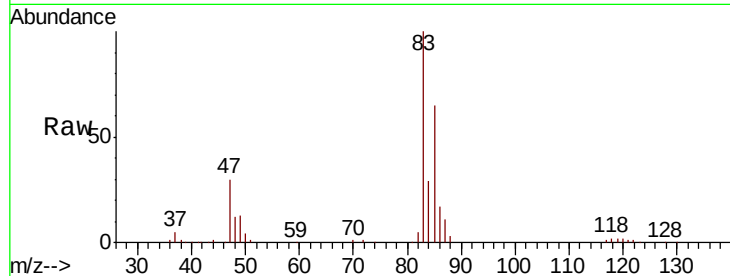




#25
Chloroform
Concen: 51.977 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

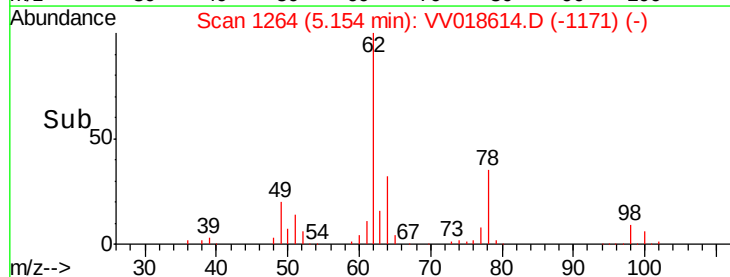
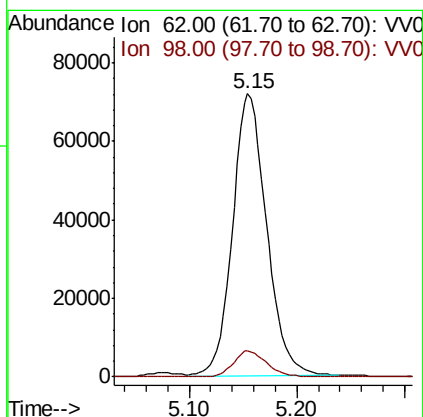
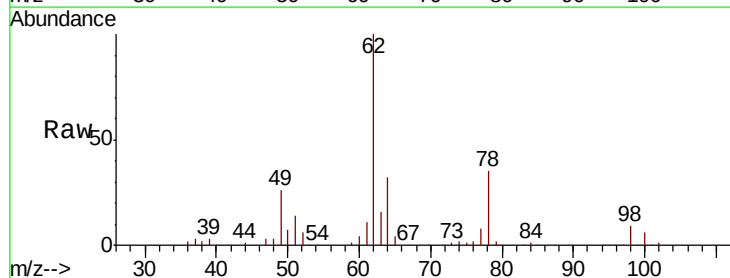
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

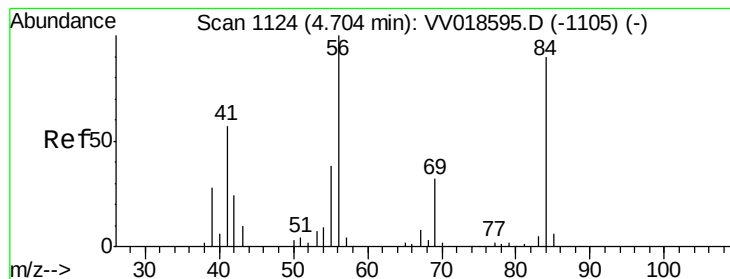
Tot Ion: 83 Resp: 196209
Ion Ratio Lower Upper
83 100
85 64.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 53.738 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion: 62 Resp: 158113
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5





#29

Cyclohexane

Concen: 46.088 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

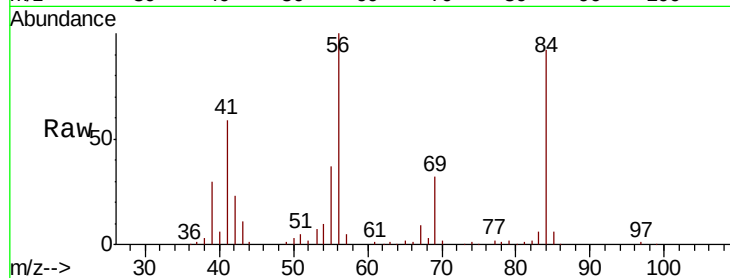
Tot Ion: 56 Resp: 149628

Ion Ratio Lower Upper

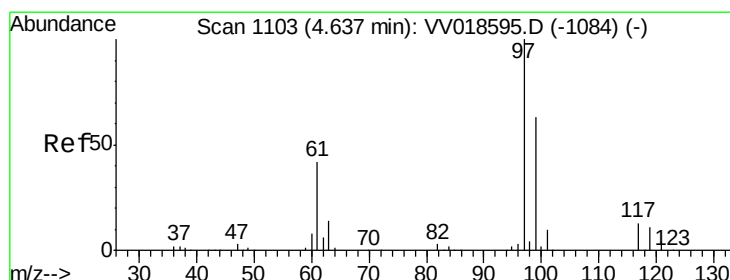
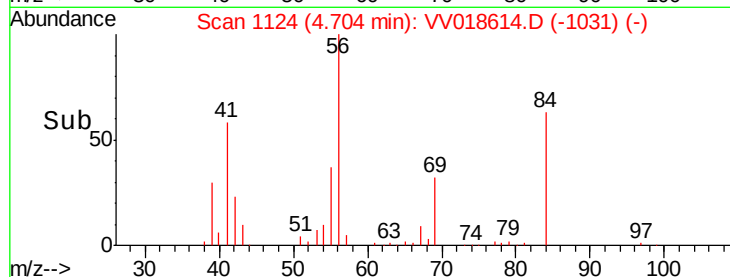
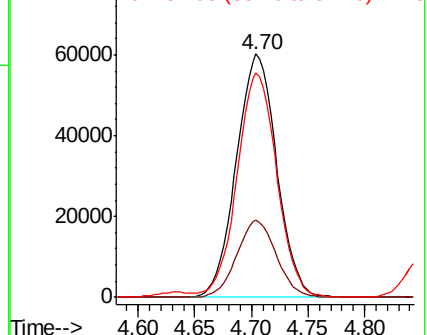
56 100

69 30.9 24.8 37.2

84 90.9 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.247 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

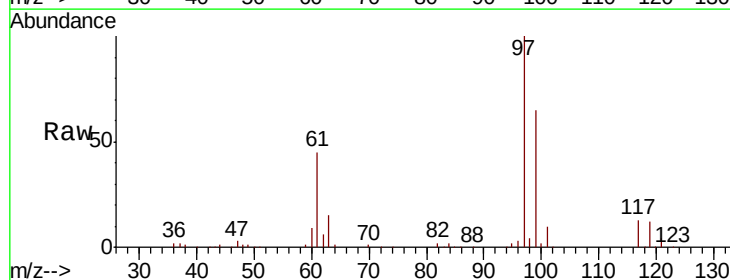
Tgt Ion: 97 Resp: 177567

Ion Ratio Lower Upper

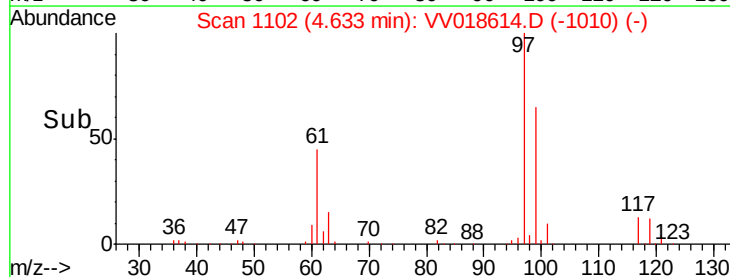
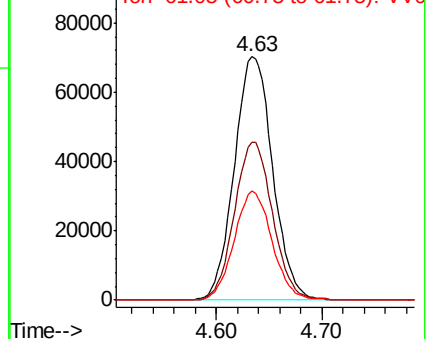
97 100

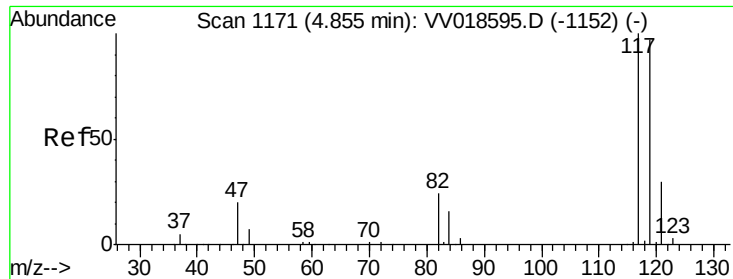
99 64.4 51.4 77.0

61 44.3 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.545 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

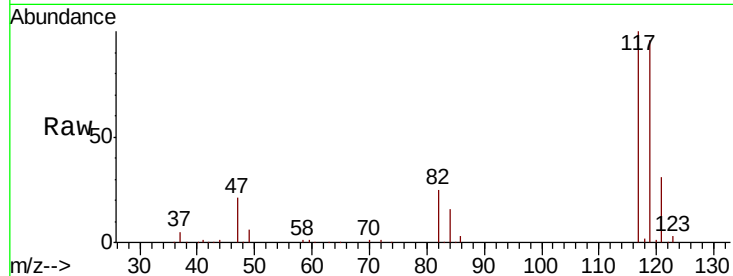
VSTD05098

Tot Ion:117 Resp: 160306

Ion Ratio Lower Upper

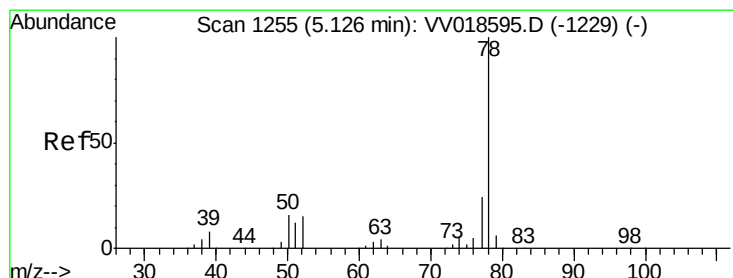
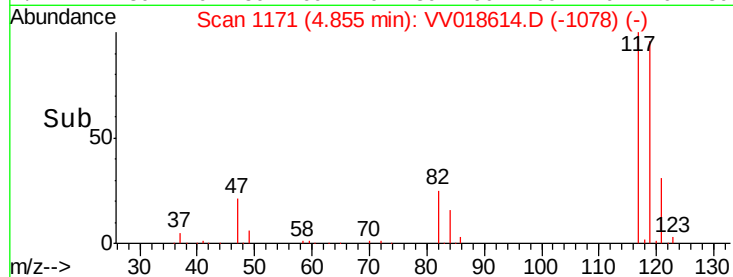
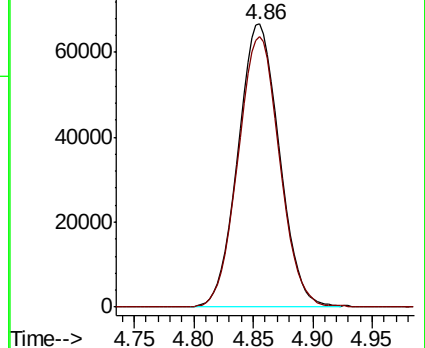
117 100

119 96.2 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.713 ug/L

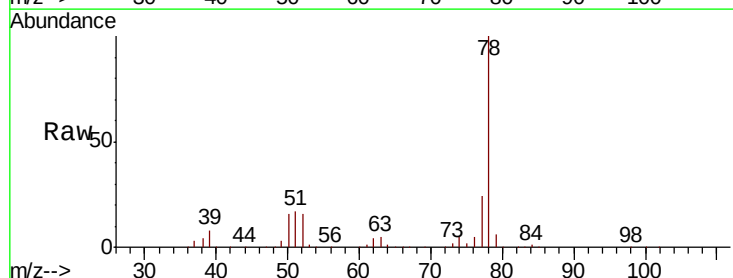
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

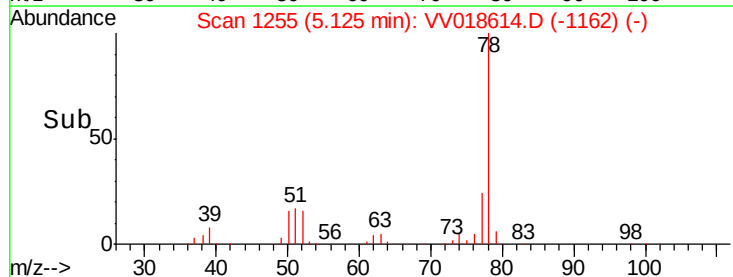
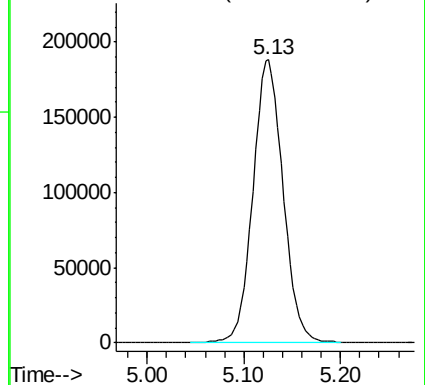
Lab File: VV018614.D

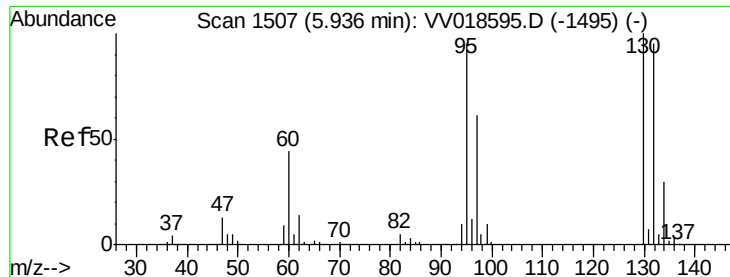
Acq: 02 Oct 2020 02:18

Tgt Ion: 78 Resp: 407373



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.542 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleID :

VSTD05098

Tot Ion: 95 Resp: 120281

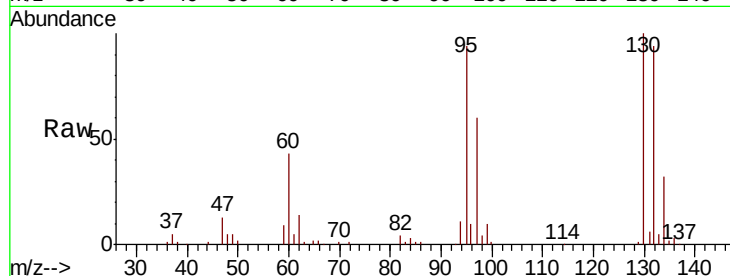
Ion Ratio Lower Upper

95 100

97 64.0 45.9 85.3

132 99.7 70.8 131.4

130 105.9 75.3 139.8

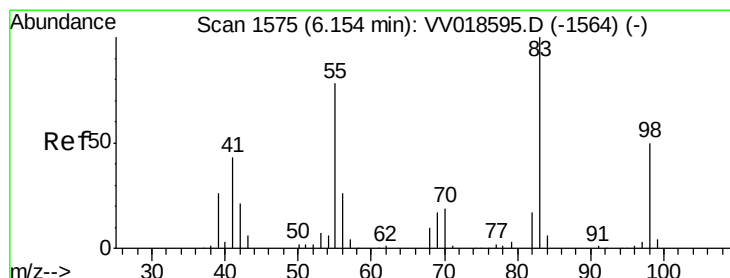
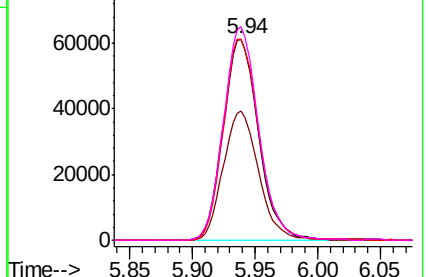
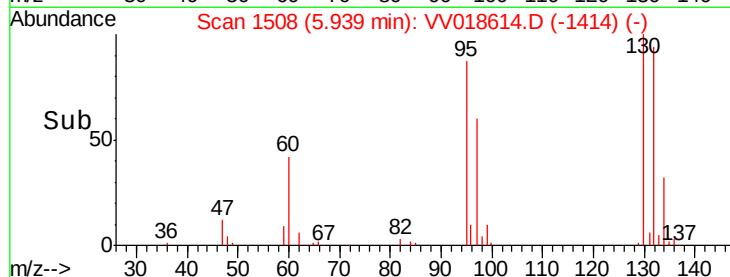


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 44.221 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

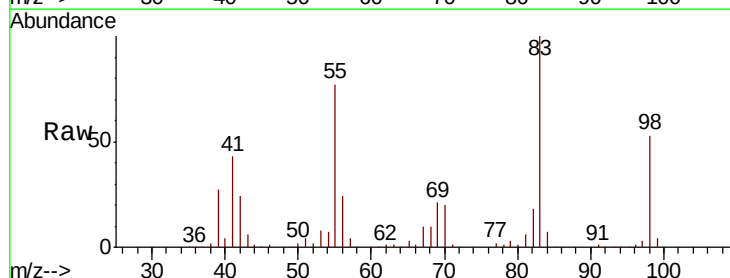
Tgt Ion: 83 Resp: 144830

Ion Ratio Lower Upper

83 100

55 76.9 60.1 90.1

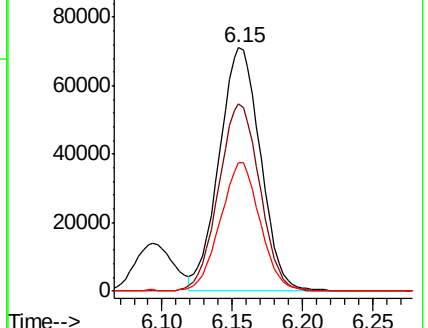
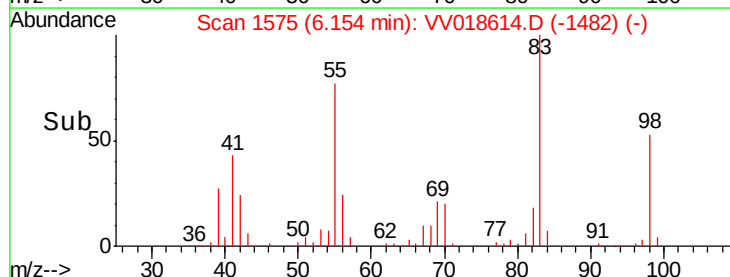
98 50.8 40.2 60.4

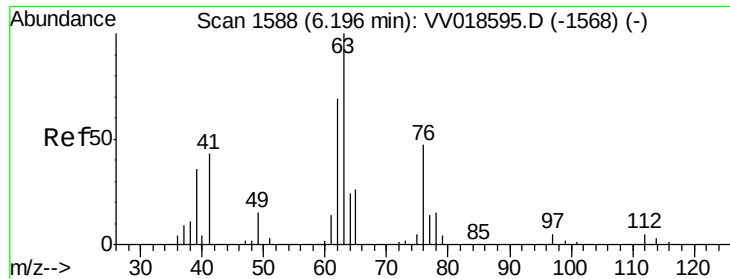


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

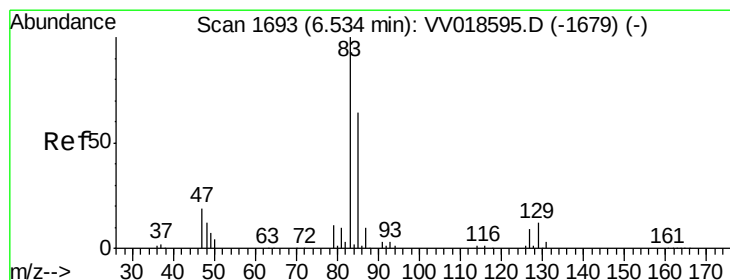
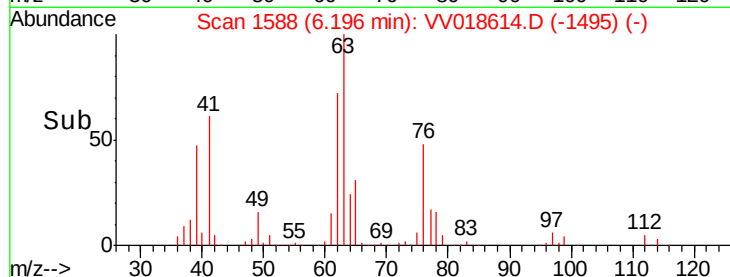
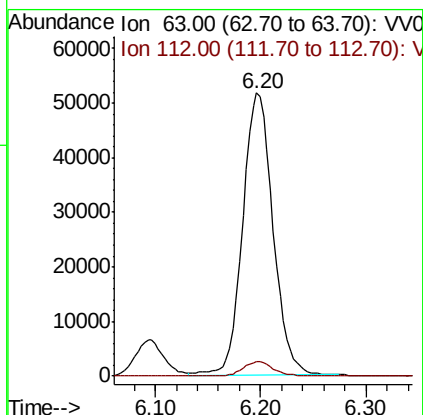
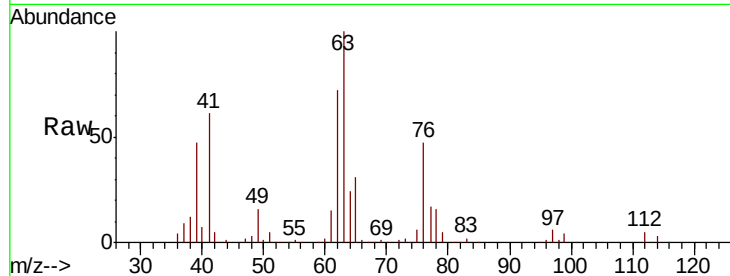




#37
 1,2-Dichloropropane
 Concen: 48.310 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

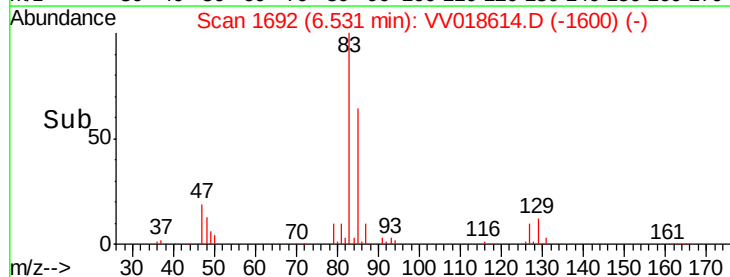
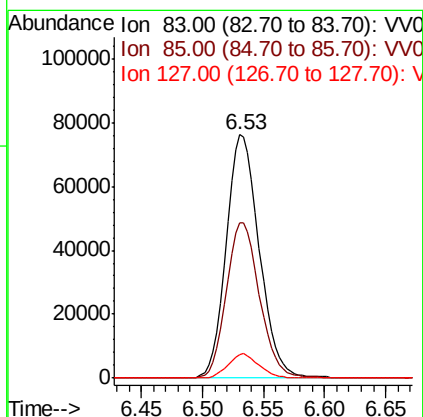
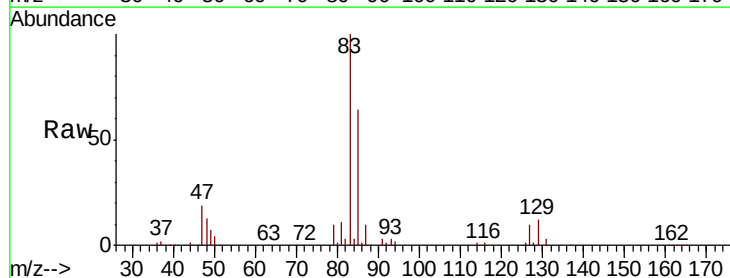
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

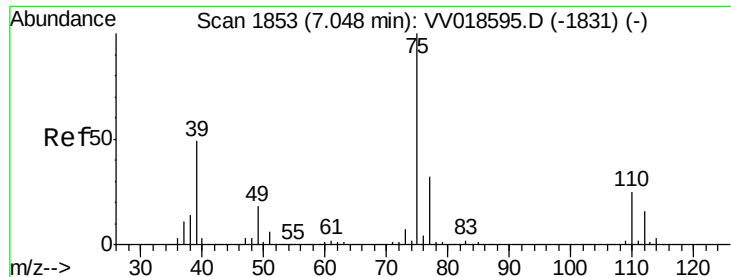
Tot Ion: 63 Resp: 103653
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#38
 Bromodichloromethane
 Concen: 50.174 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

Tgt Ion: 83 Resp: 144170
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.5 82.7
 127 9.7 7.2 10.8

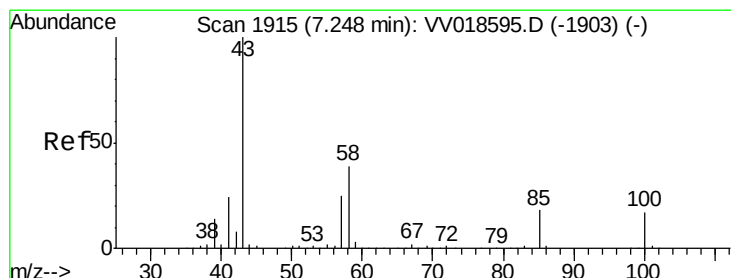
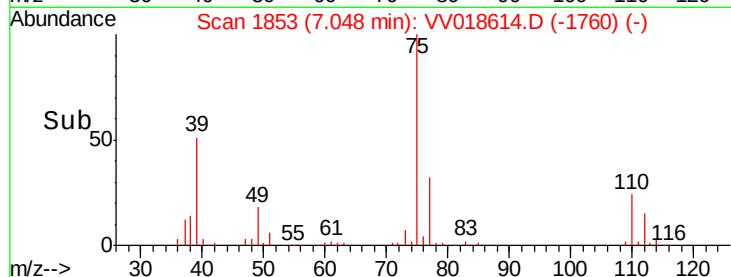
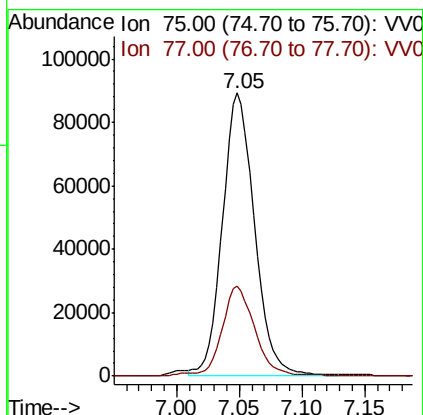
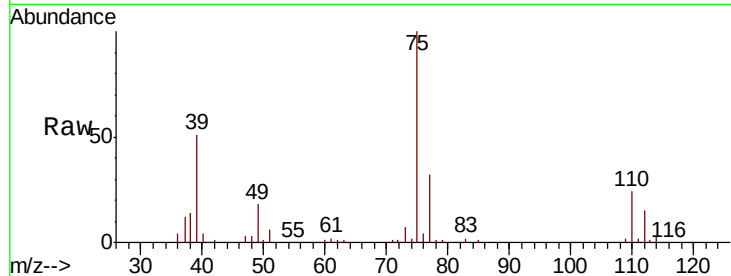




#39
 cis-1,3-Dichloropropene
 Concen: 47.043 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

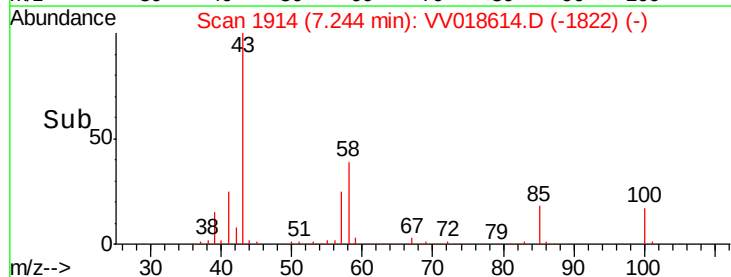
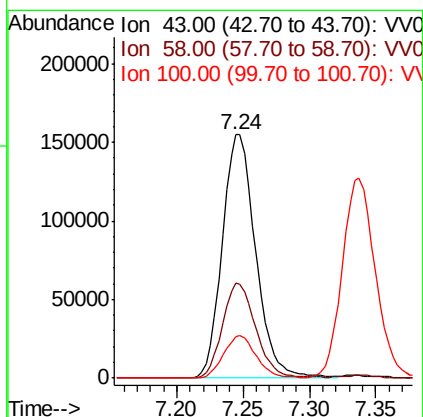
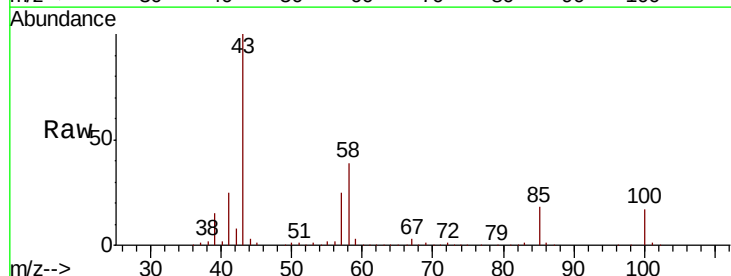
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

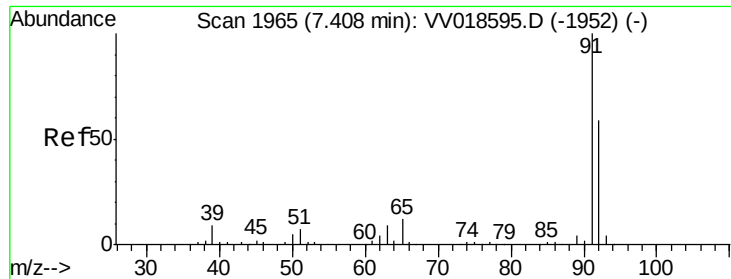
Tot Ion: 75 Resp: 158359
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 98.187 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

Tgt Ion: 43 Resp: 271835
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.8 47.6
 100 17.0 13.4 20.0





#42

Toluene

Concen: 49.879 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

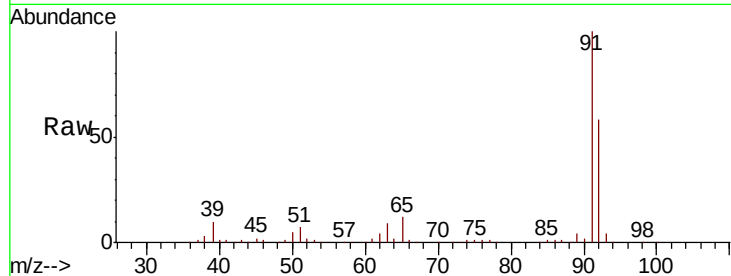
VSTD05098

Tot Ion: 91 Resp: 451241

Ion Ratio Lower Upper

91 100

92 58.0 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

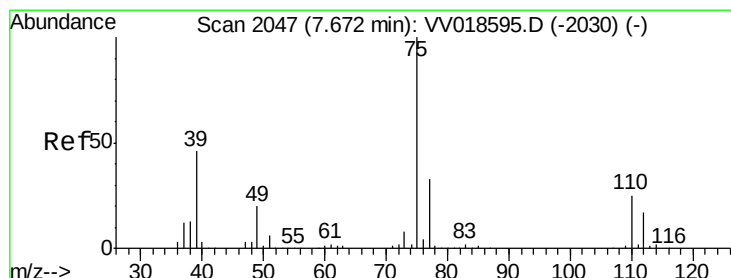
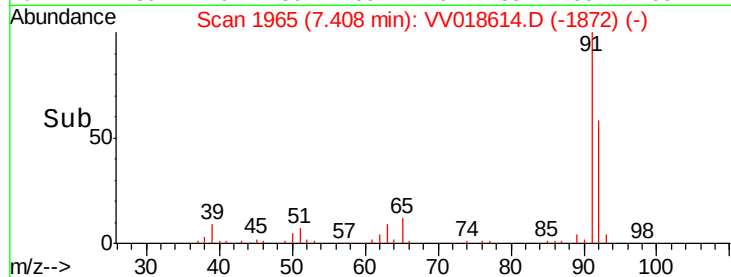
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.090 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV018614.D

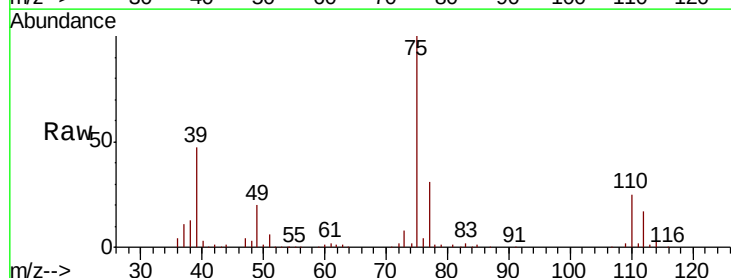
Acq: 02 Oct 2020 02:18

Tgt Ion: 75 Resp: 162330

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

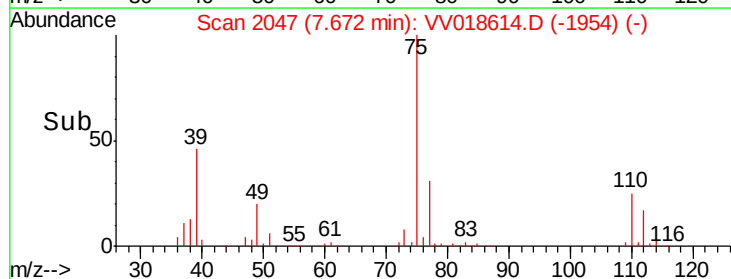
60000

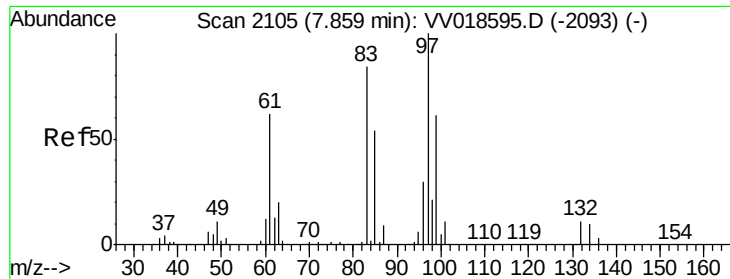
40000

20000

0

Time-->

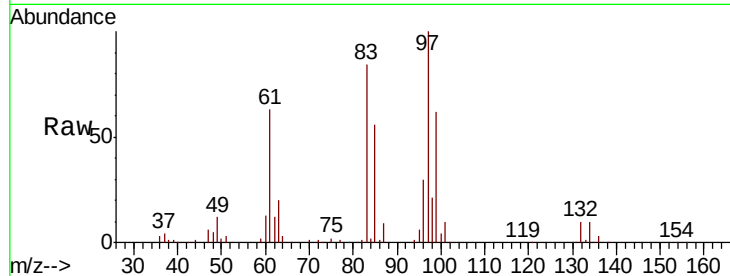




#45
1,1,2-Trichloroethane
Concen: 50.473 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion:	97	Resp:	107203
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.3	80.3
83	84.5	60.5	112.5
85	55.9	38.3	71.1



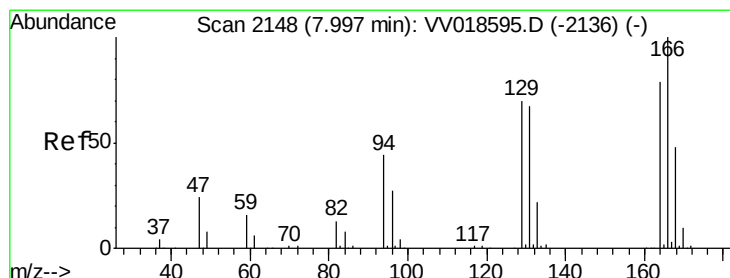
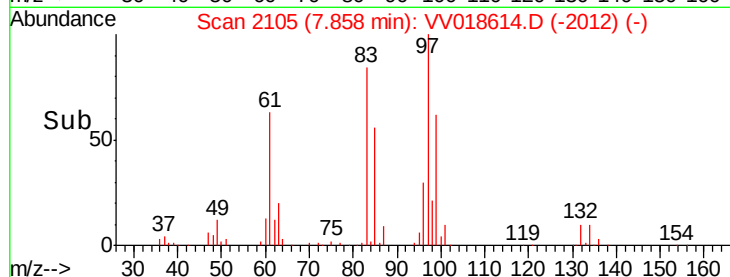
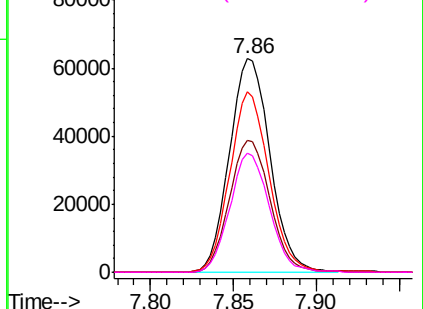
Abundance

Ion 97.00 (96.70 to 97.70): VV018595.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018595.D (-2093) (-)

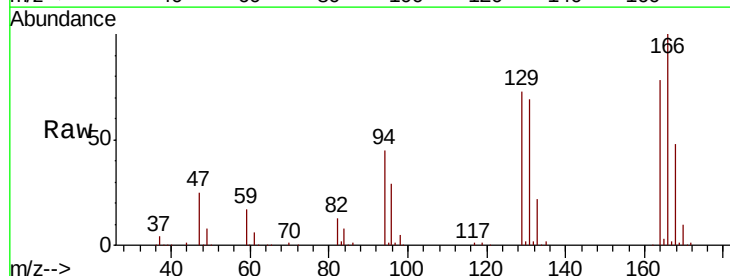
Ion 83.00 (82.70 to 83.70): VV018595.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018595.D (-2093) (-)



#46
Tetrachloroethene
Concen: 48.677 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion:	164	Resp:	95878
Ion	Ratio	Lower	Upper
164	100		
129	92.8	62.8	116.6
131	87.7	60.8	112.8
166	127.7	88.9	165.1



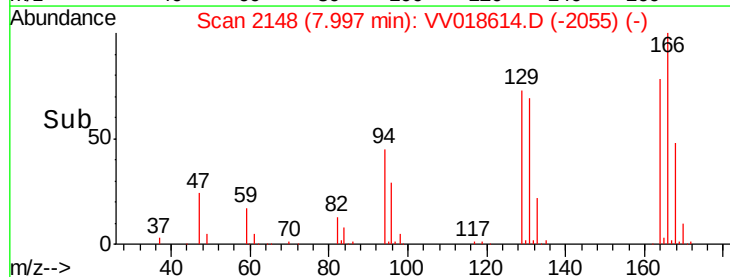
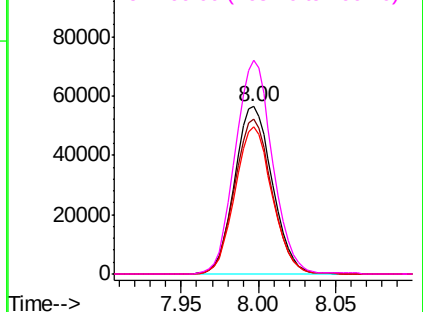
Abundance

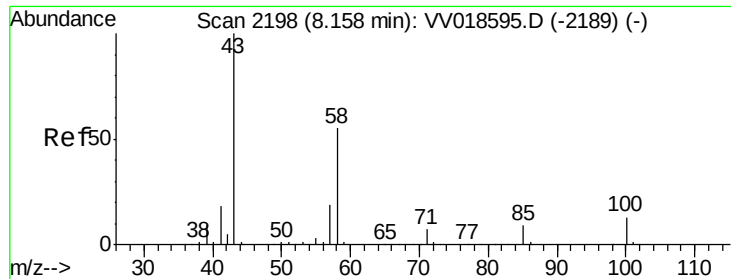
Ion 164.00 (163.70 to 164.70): VV018595.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV018595.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV018595.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV018595.D (-2136) (-)

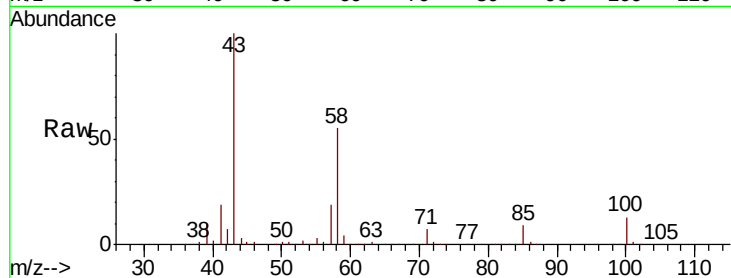




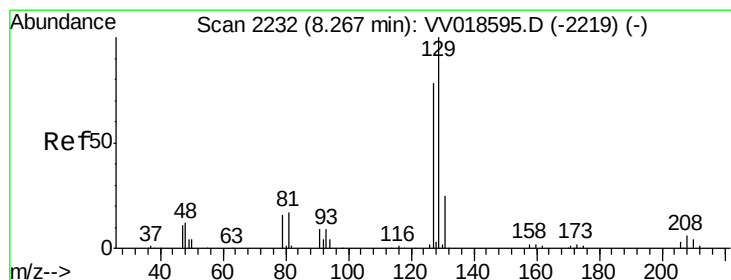
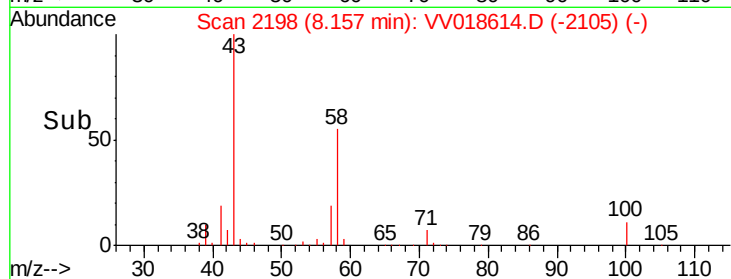
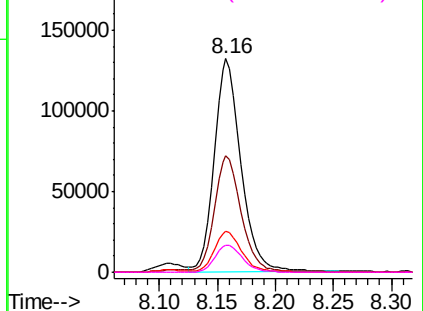
#48
2-Hexanone
Concen: 99.115 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion: 43 Resp: 214102
Ion Ratio Lower Upper
43 100
58 55.3 45.1 67.7
57 18.9 15.7 23.5
100 13.2 11.0 16.4

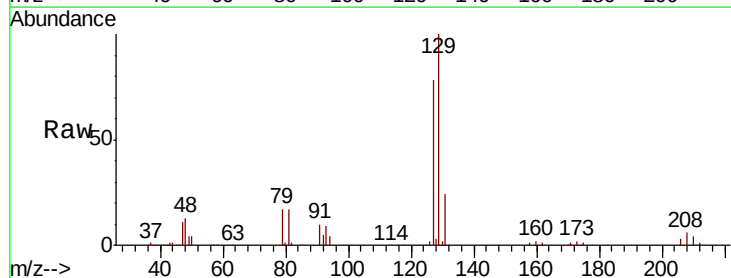


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

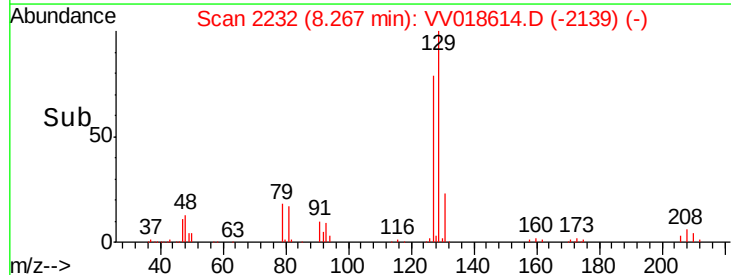
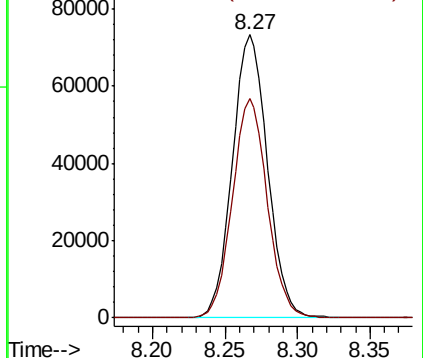


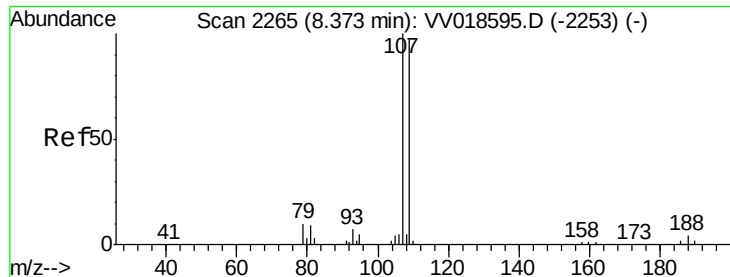
#49
Dibromochloromethane
Concen: 50.718 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion: 129 Resp: 123212
Ion Ratio Lower Upper
129 100
127 77.7 54.1 100.5



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

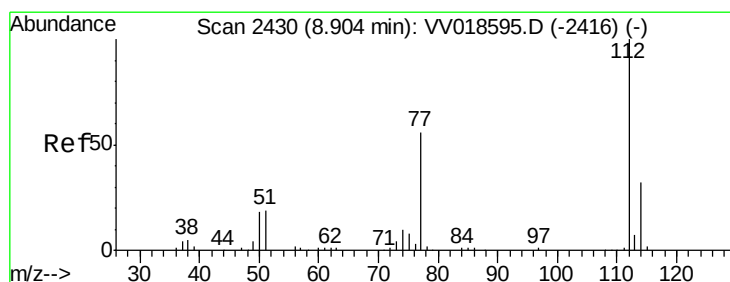
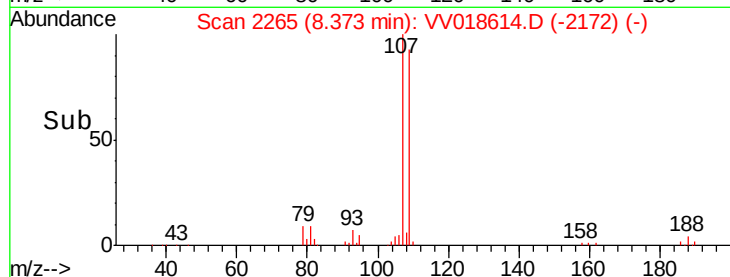
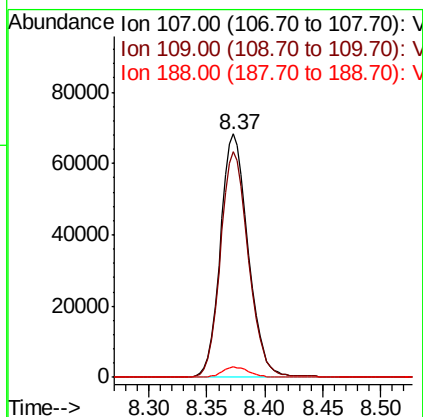
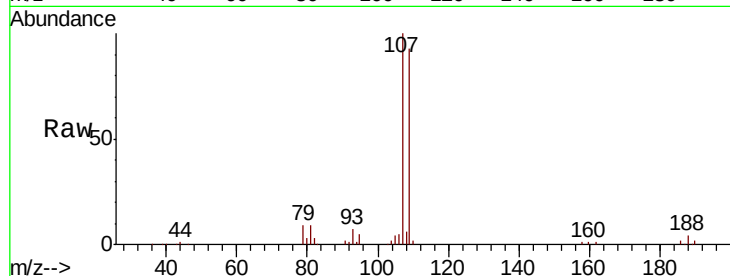




#50
1,2-Dibromoethane
Concen: 50.248 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

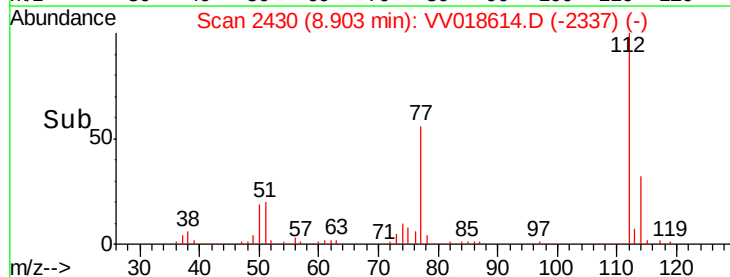
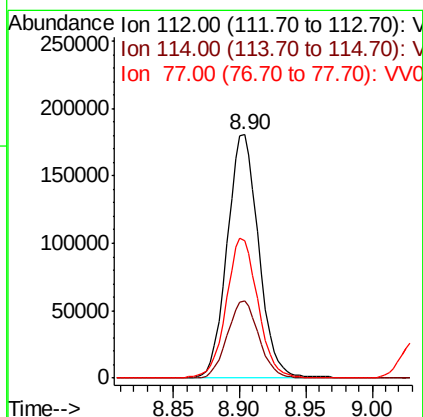
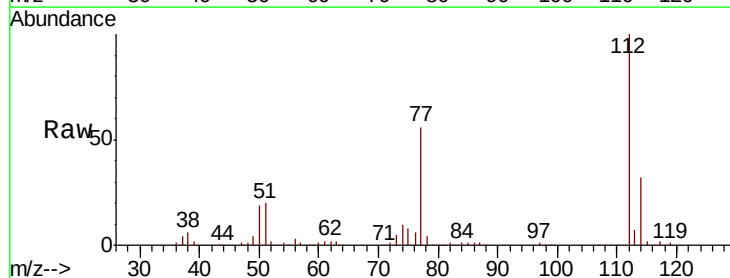
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

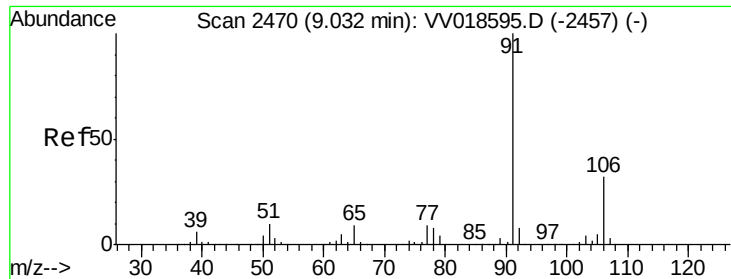
Tot Ion:107 Resp: 113473
Ion Ratio Lower Upper
107 100
109 92.6 65.1 120.9
188 4.2 3.7 5.5



#51
Chlorobenzene
Concen: 48.731 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion:112 Resp: 298241
Ion Ratio Lower Upper
112 100
114 31.6 22.4 41.6
77 56.5 44.8 67.2





#52

Ethylbenzene

Concen: 49.369 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

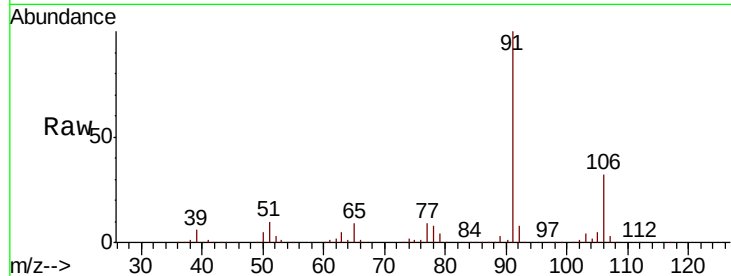
VSTD05098

Tot Ion: 91 Resp: 498777

Ion Ratio Lower Upper

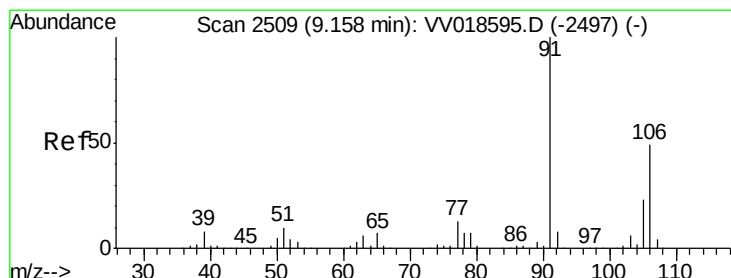
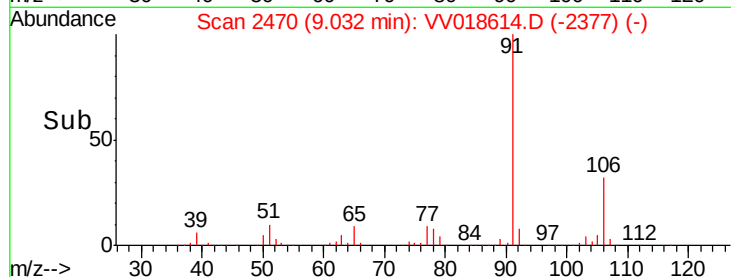
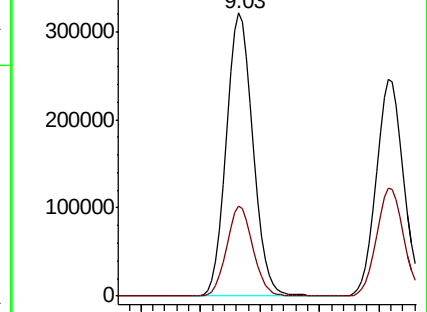
91 100

106 31.8 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018614.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018614.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.650 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018614.D

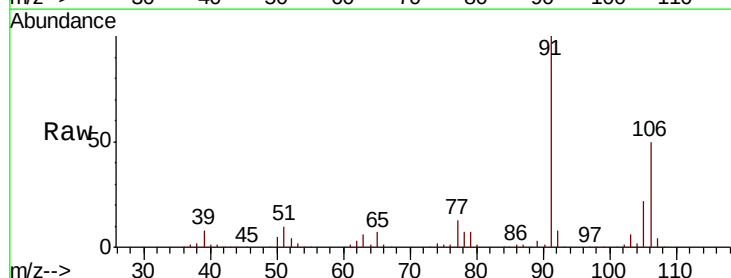
Acq: 02 Oct 2020 02:18

Tgt Ion: 106 Resp: 193857

Ion Ratio Lower Upper

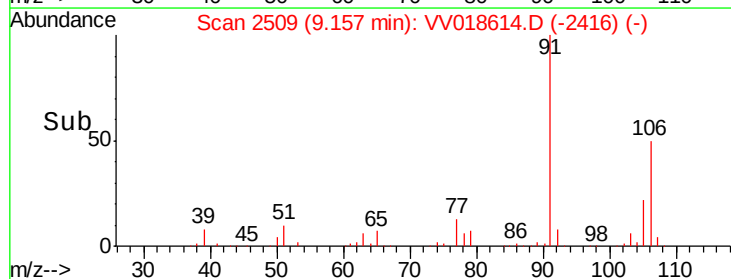
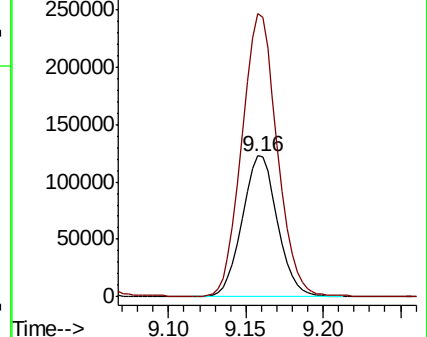
106 100

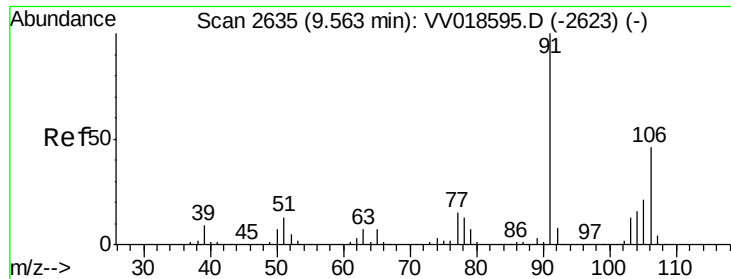
91 200.9 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018614.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018614.D (-2416) (-)

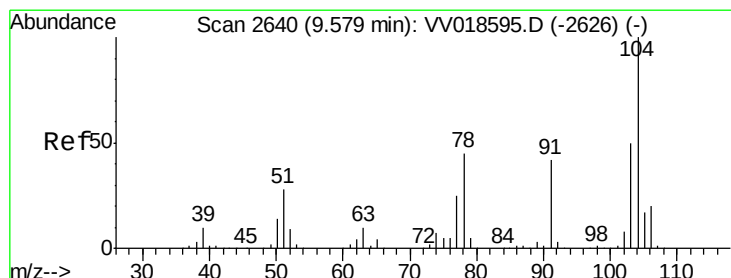
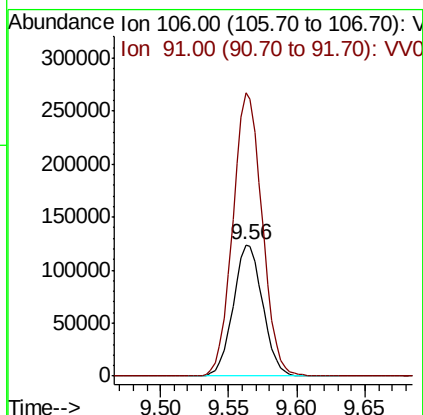
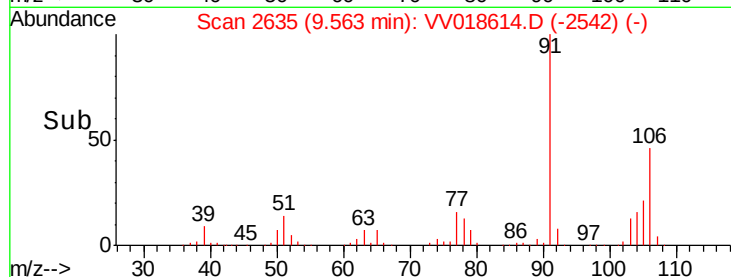
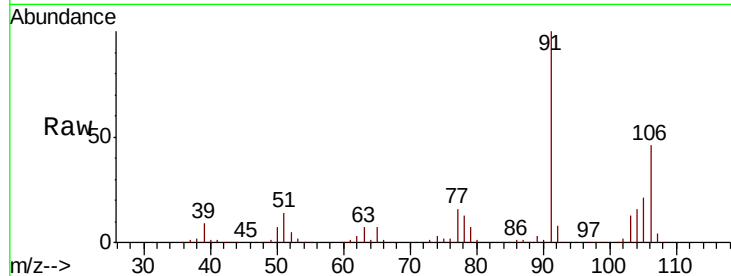




#54
o-xylene
Concen: 50.248 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

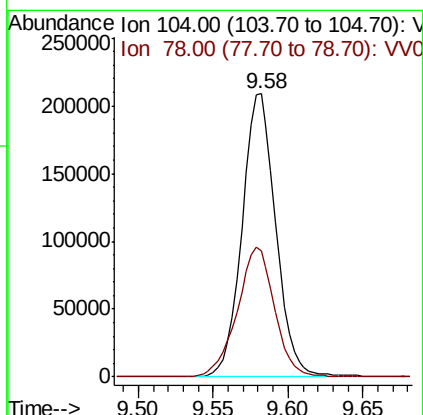
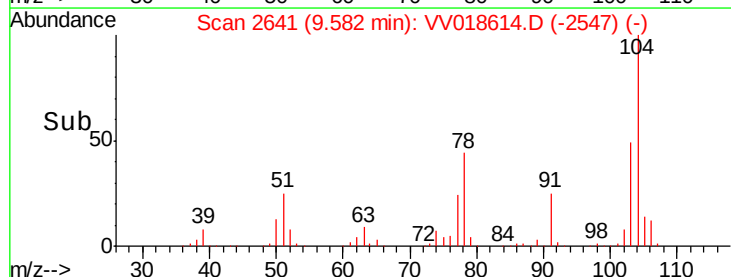
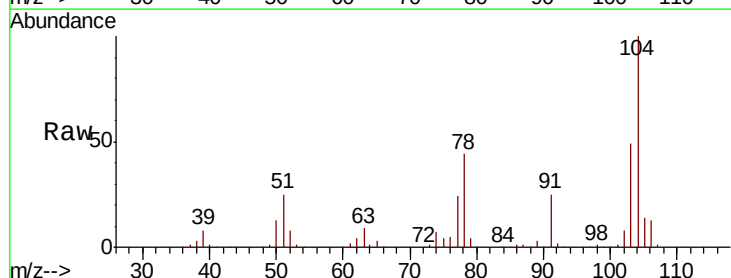
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

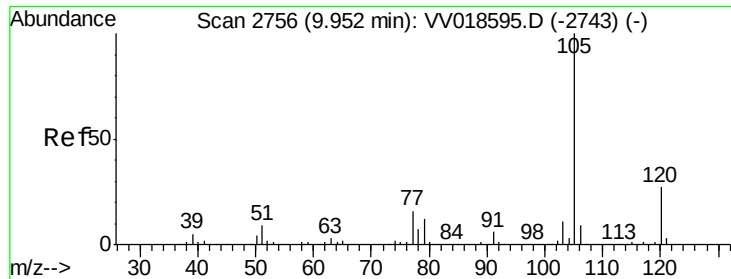
Tot Ion:106 Resp: 185746
Ion Ratio Lower Upper
106 100
91 215.7 151.0 280.4



#55
Styrene
Concen: 50.918 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018614.D
Acq: 02 Oct 2020 02:18

Tgt Ion:104 Resp: 327739
Ion Ratio Lower Upper
104 100
78 44.3 30.2 56.2





#56

Isopropylbenzene

Concen: 49.682 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

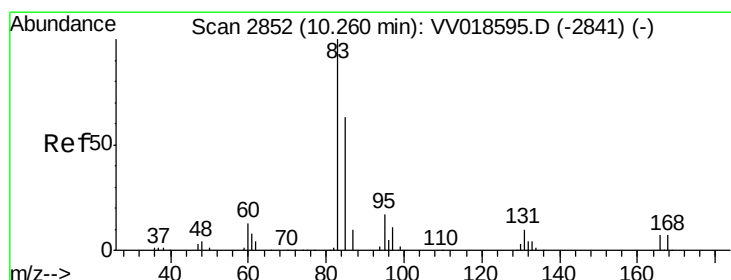
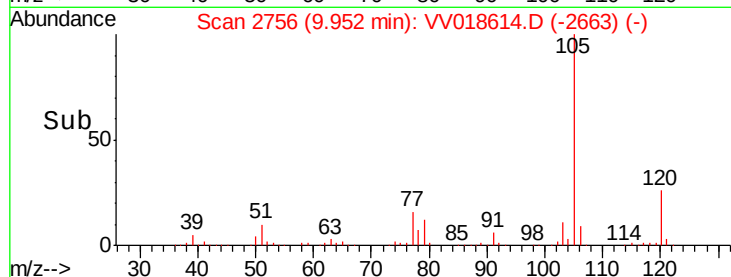
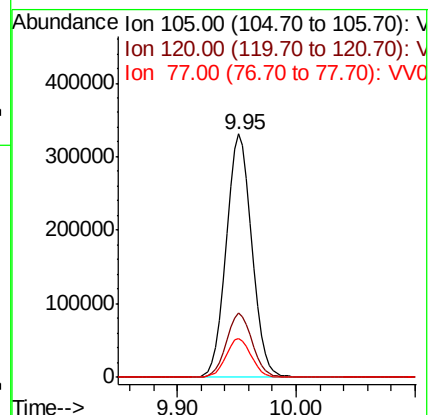
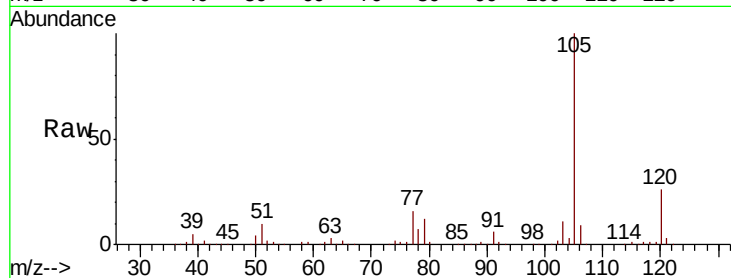
Tot Ion:105 Resp: 492547

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

77 15.7 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 49.548 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

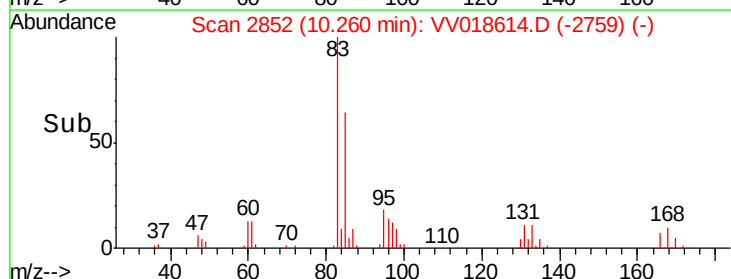
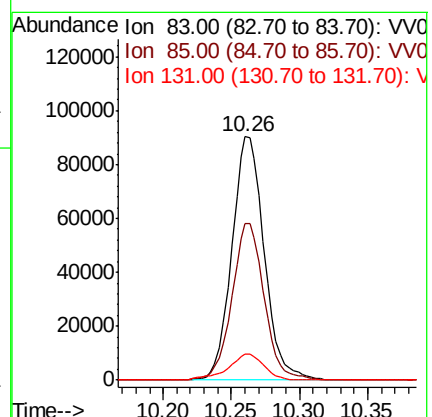
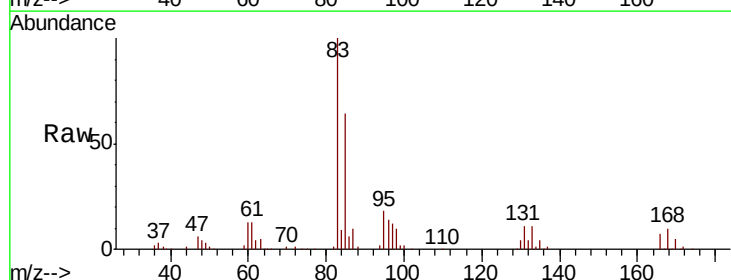
Tgt Ion: 83 Resp: 148338

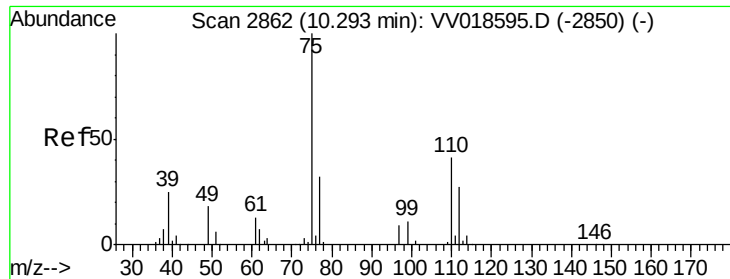
Ion Ratio Lower Upper

83 100

85 64.3 44.5 82.7

131 10.7 8.6 12.8





#59

1,2,3-Trichloropropane

Concen: 49.738 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

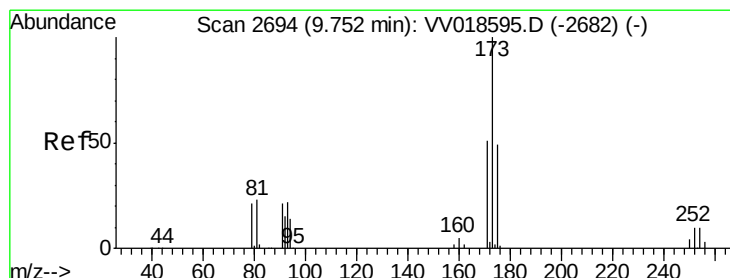
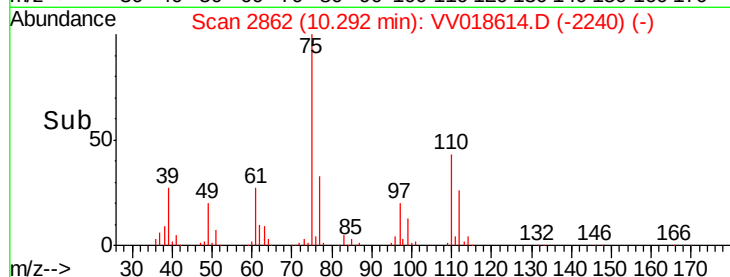
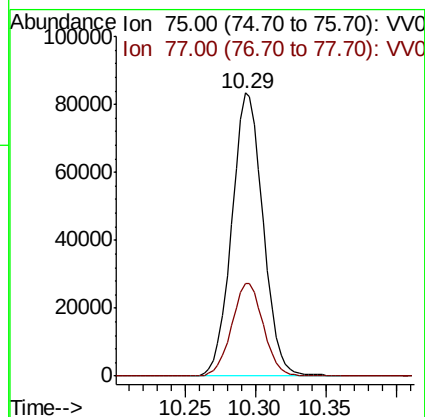
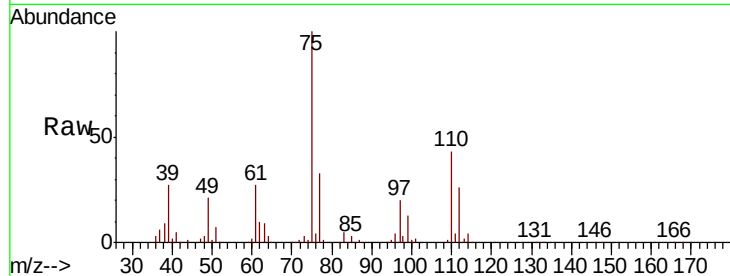
VSTD05098

Tot Ion: 75 Resp: 129805

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.0



#61

Bromoform

Concen: 49.964 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

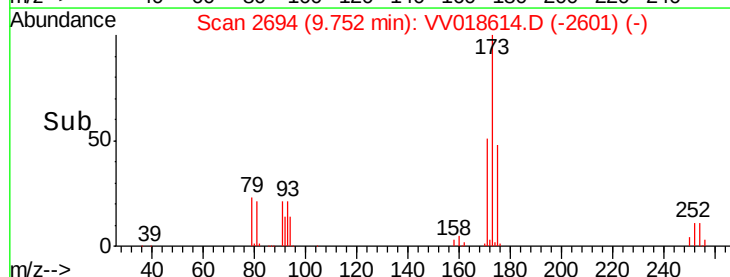
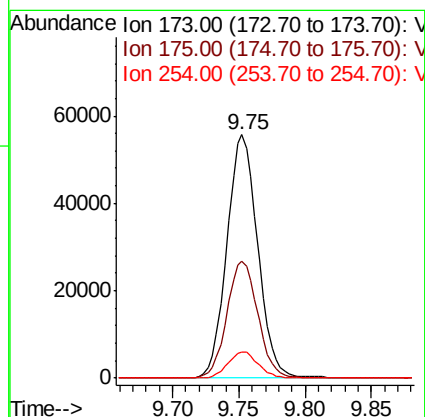
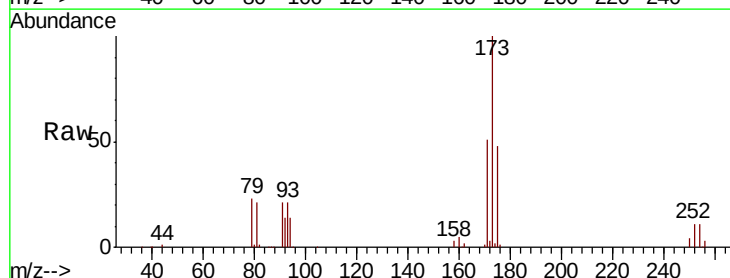
Tgt Ion: 173 Resp: 90039

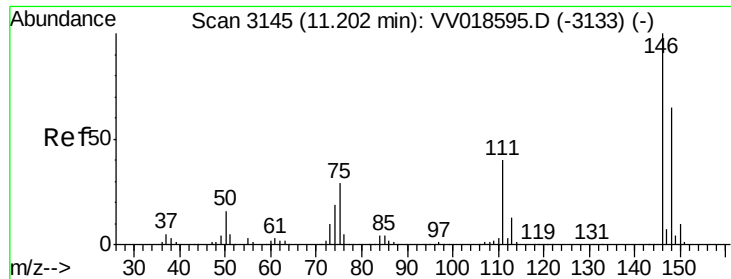
Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.8

254 10.6 8.5 12.7

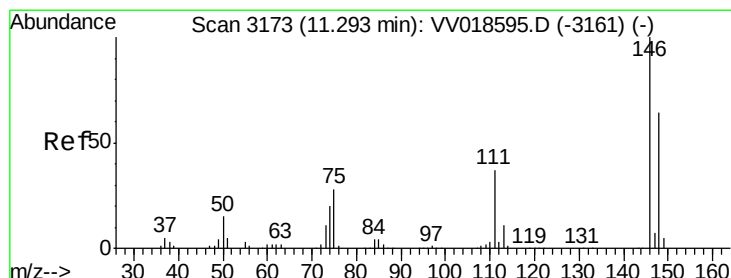
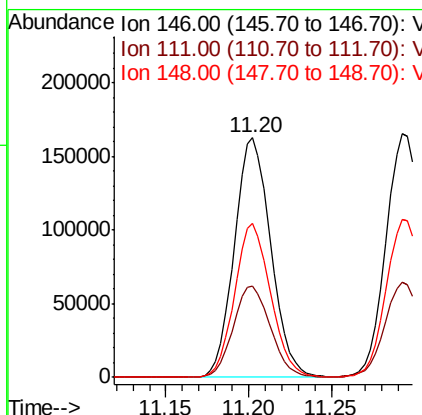
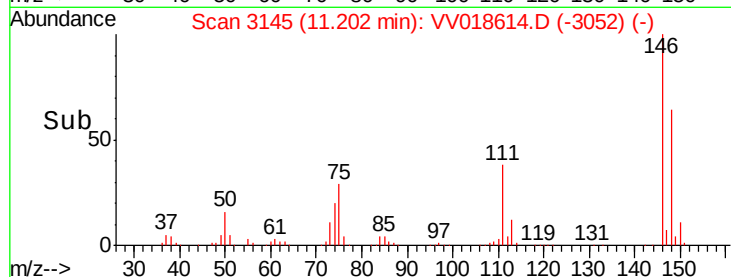
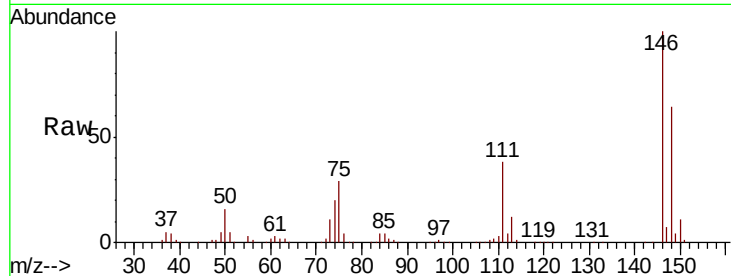




#62
 1,3-Dichlorobenzene
 Concen: 48.978 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

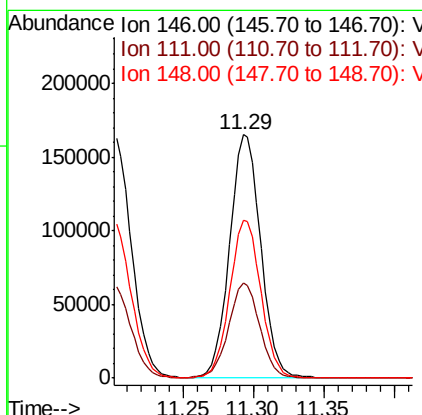
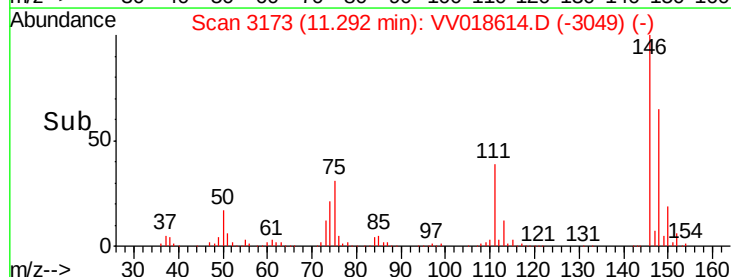
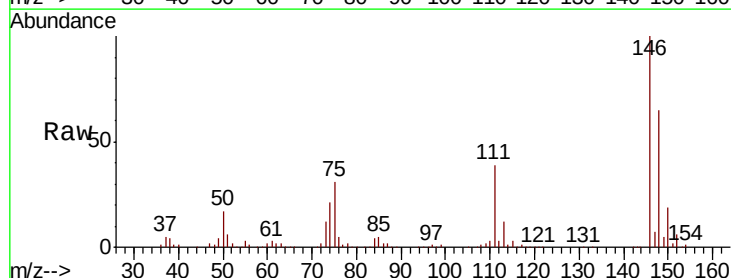
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

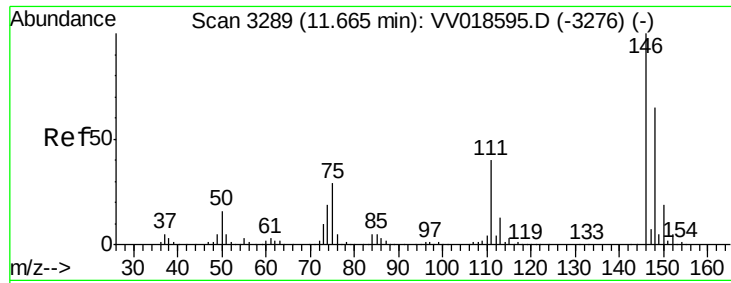
Tot Ion:146 Resp: 248676
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.8 49.8
 148 64.1 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 48.834 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018614.D
 Acq: 02 Oct 2020 02:18

Tgt Ion:146 Resp: 255316
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.2 48.6
 148 64.8 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 49.637 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

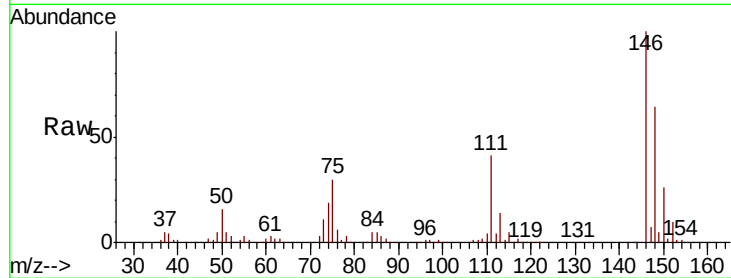
Tot Ion:146 Resp: 249320

Ion Ratio Lower Upper

146 100

111 41.4 32.8 49.2

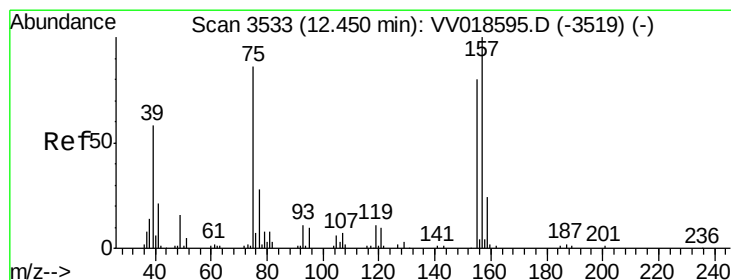
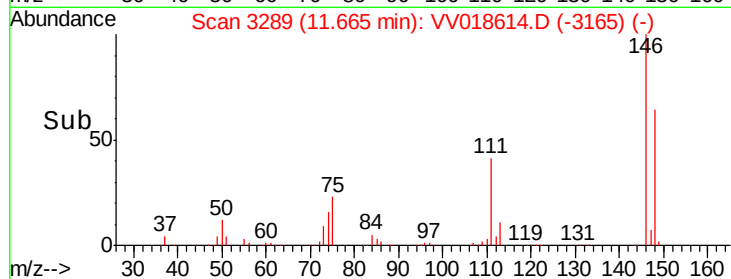
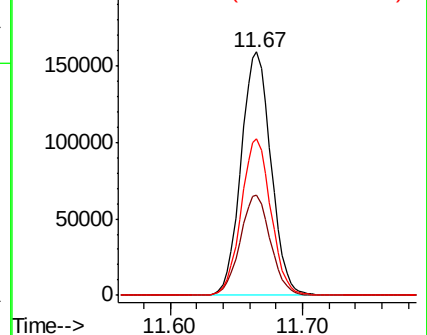
148 64.2 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.172 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

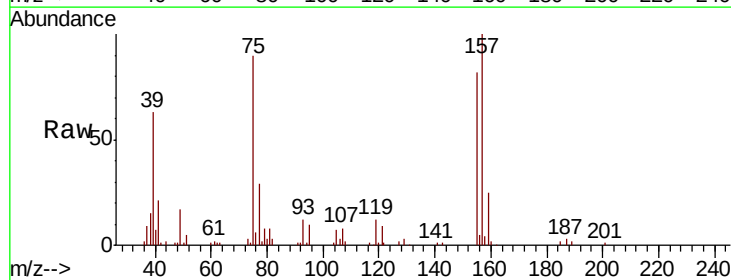
Tgt Ion: 75 Resp: 33717

Ion Ratio Lower Upper

75 100

155 91.3 73.0 109.6

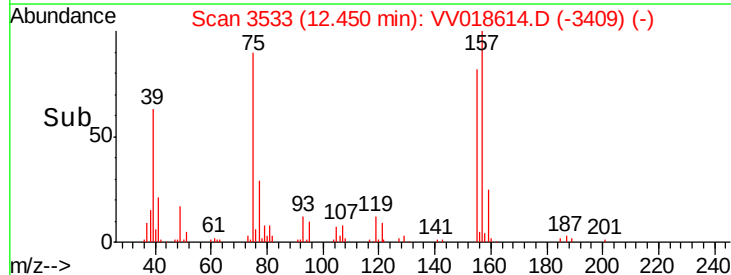
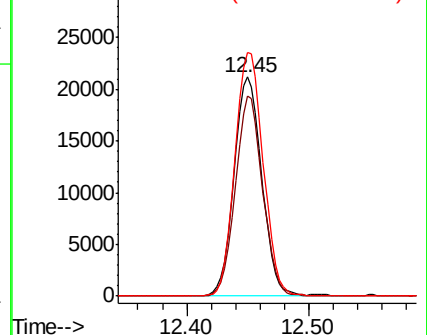
157 111.3 95.8 143.6

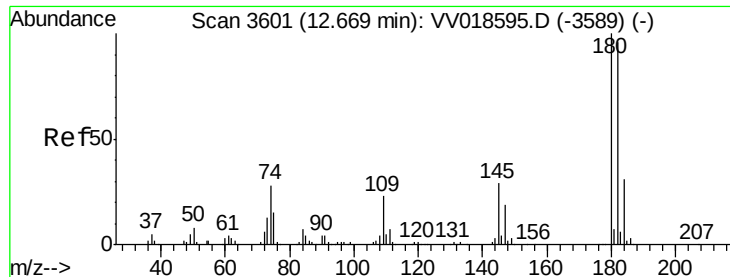


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 45.941 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

Tot Ion:180 Resp: 161576

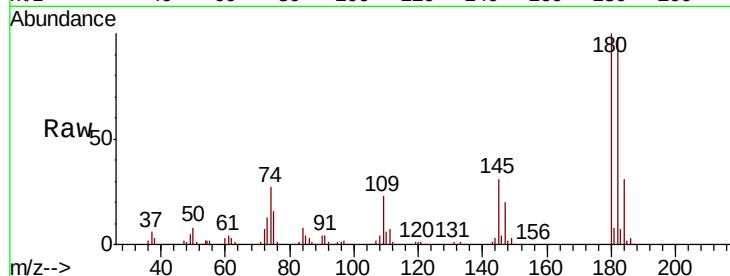
Ion Ratio Lower Upper

180 100

182 96.8 77.1 115.7

184 31.0 24.3 36.5

145 30.1 22.9 34.3

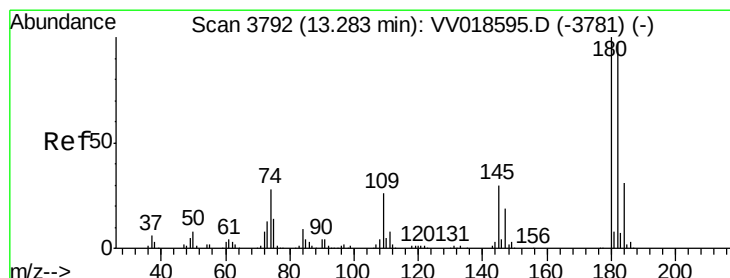
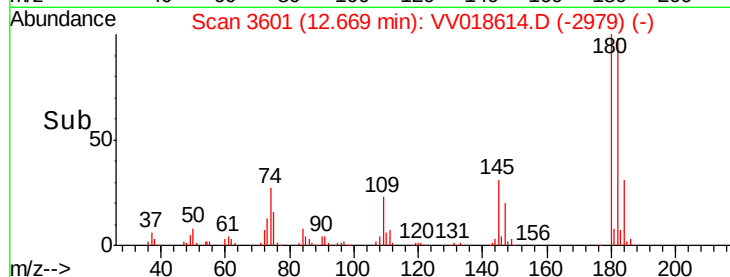
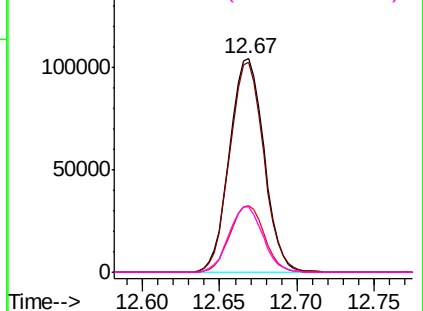


Abundance Ion 180.00 (179.70 to 180.70): V

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: 46.995 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

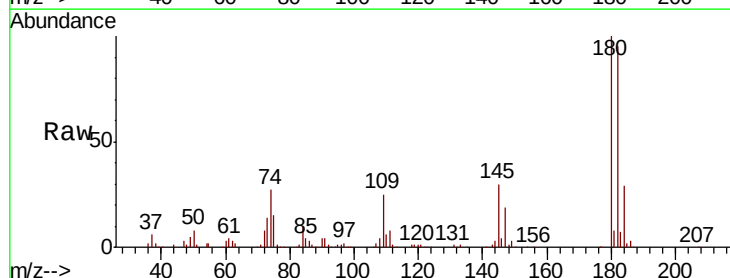
Tgt Ion:180 Resp: 153800

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

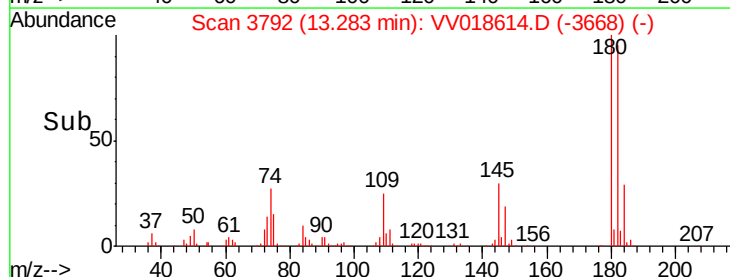
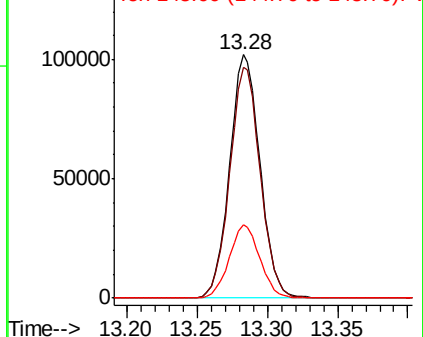
145 30.2 23.6 35.4

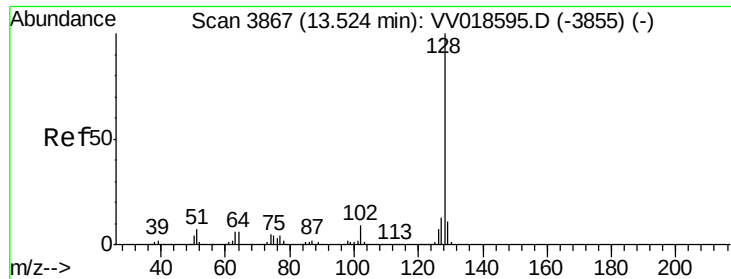


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.184 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

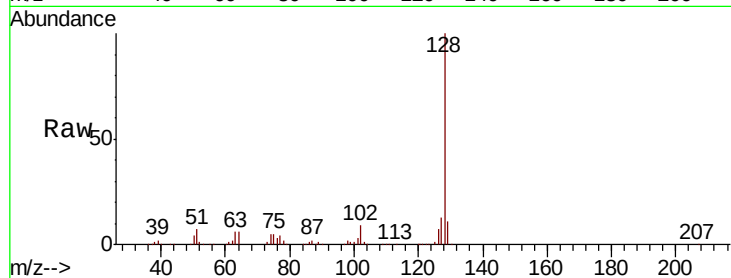
Tot Ion:128 Resp: 470137

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

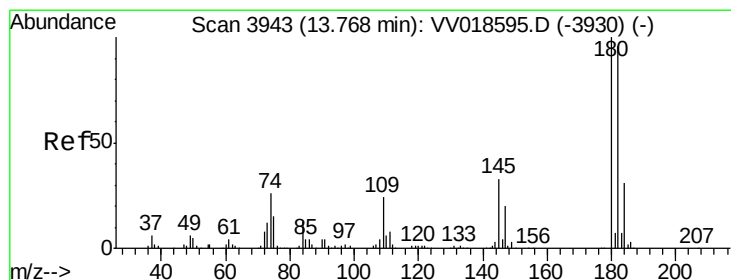
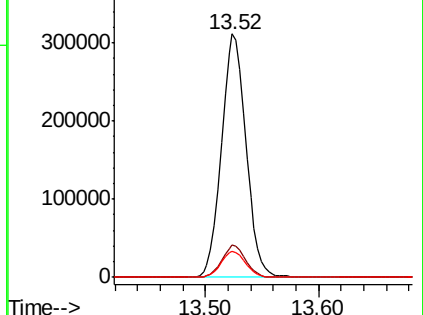
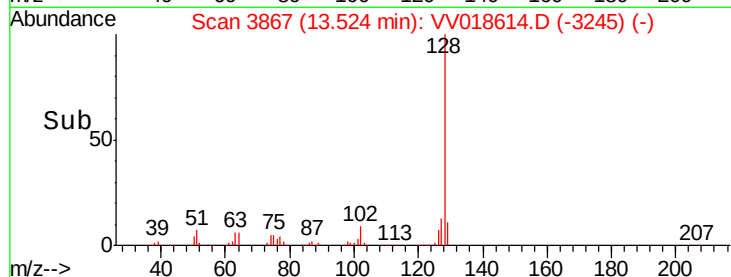
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.021 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018614.D

Acq: 02 Oct 2020 02:18

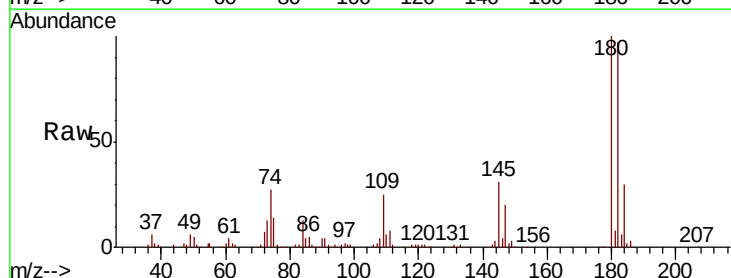
Tgt Ion:180 Resp: 157764

Ion Ratio Lower Upper

180 100

182 96.9 77.1 115.7

145 32.0 25.1 37.7



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

