

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018775.D
 Acq On : 08 Oct 2020 20:40
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Oct 08 23:38:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 23:30:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	348516	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	322254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	169284	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	151030	67.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	120833	65.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	287691	64.20	ug/L	0.00
21) 2-Butanone-d5	3.91	46	188550	119.17	ug/L	0.00
24) Chloroform-d	4.38	84	258504	56.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	176775	59.94	ug/L	0.00
32) Benzene-d6	5.07	84	504816	59.35	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	177501	66.49	ug/L	0.00
41) Toluene-d8	7.34	98	460346	58.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	82127	59.34	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	120142	123.78	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	197010	58.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	181516	54.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	102655	44.634	ug/L	100
3) Chloromethane	1.25	50	131250	51.536	ug/L	100
5) Vinyl chloride	1.32	62	140147	52.138	ug/L	100
6) Bromomethane	1.53	94	81964	46.143	ug/L	100
8) Chloroethane	1.60	64	90234	53.887	ug/L	100
9) Trichlorofluoromethane	1.76	101	205135	50.706	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	113815	50.128	ug/L	100
12) 1,1-Dichloroethene	2.13	96	109707	50.304	ug/L	100
13) Acetone	2.19	43	141476	105.857	ug/L	100
14) Carbon disulfide	2.31	76	322163	46.622	ug/L	100
15) Methyl Acetate	2.45	43	144070	55.567	ug/L	100
16) Methylene chloride	2.52	84	131338	50.319	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	107614	44.657	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	365326	48.748	ug/L	100
19) 1,1-Dichloroethane	3.21	63	221686	50.963	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	120611	46.836	ug/L	100
22) 2-Butanone	3.99	43	176534	107.768	ug/L	100
23) Bromochloromethane	4.27	128	61399	43.796	ug/L	100
25) Chloroform	4.40	83	226350	49.578	ug/L	100
27) 1,2-Dichloroethane	5.15	62	188917	52.534	ug/L	100
29) Cyclohexane	4.70	56	188068	51.450	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	199713	50.231	ug/L	100
31) Carbon tetrachloride	4.85	117	171675	48.501	ug/L	100
33) Benzene	5.13	78	479579	50.812	ug/L	100
34) Trichloroethene	5.94	95	145063	52.282	ug/L	100
35) Methylcyclohexane	6.15	83	185178	50.280	ug/L	100
37) 1,2-Dichloropropane	6.20	63	139615	56.115	ug/L	100
38) Bromodichloromethane	6.53	83	168712	51.833	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	193475	51.256	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	346067	109.758	ug/L	100

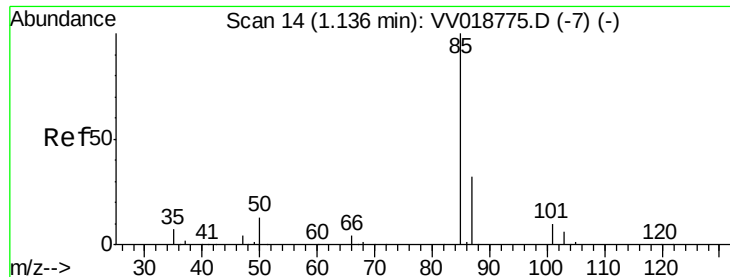
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 23:30:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	511491	50.394	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	196474	52.628	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	117200	49.207	ug/L	100
46) Tetrachloroethene	8.00	164	99547	45.831	ug/L	100
48) 2-Hexanone	8.16	43	271297	110.158	ug/L	100
49) Dibromochloromethane	8.27	129	129691	48.086	ug/L	100
50) 1,2-Dibromoethane	8.37	107	123159	49.028	ug/L	100
51) Chlorobenzene	8.90	112	329538	48.383	ug/L	100
52) Ethylbenzene	9.03	91	575782	50.725	ug/L	100
53) m,p-Xylene	9.16	106	214678	49.273	ug/L	100
54) o-xylene	9.56	106	203611	49.488	ug/L	100
55) Styrene	9.58	104	369350	51.301	ug/L	100
56) Isopropylbenzene	9.95	105	604263	53.633	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	172596	51.355	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	157269	52.996	ug/L	100
61) Bromoform	9.75	173	94486	49.193	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	262870	48.557	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	268710	48.158	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	261673	48.639	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	35164	48.587	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	173766	46.851	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	162951	47.419	ug/L	100
69) Naphthalene	13.52	128	486959	49.581	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166124	47.989	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 44.634 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

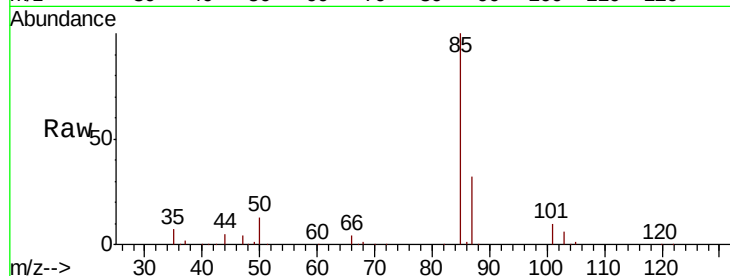
VSTD05062

Tot Ion: 85 Resp: 102655

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

120000

100000

80000

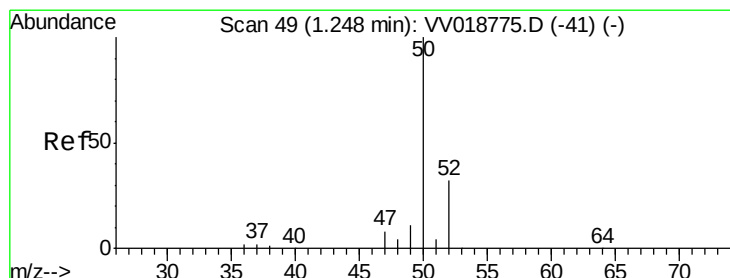
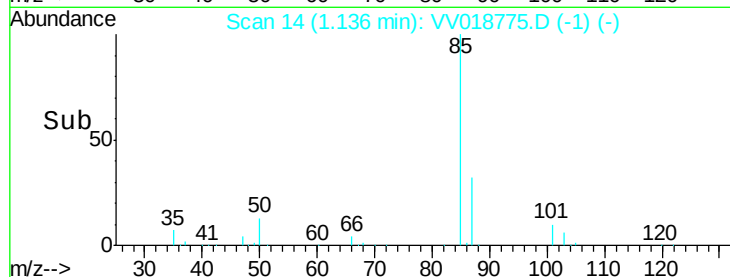
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 51.536 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018775.D

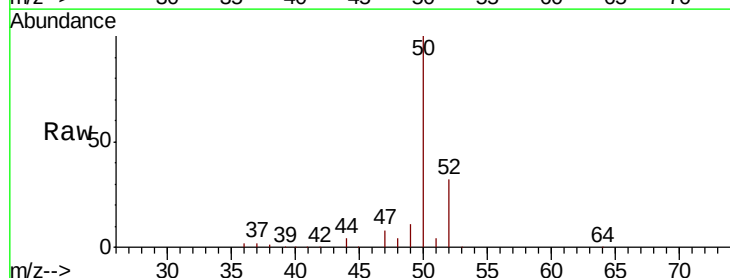
Acq: 08 Oct 2020 20:40

Tgt Ion: 50 Resp: 131250

Ion Ratio Lower Upper

50 100

52 32.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

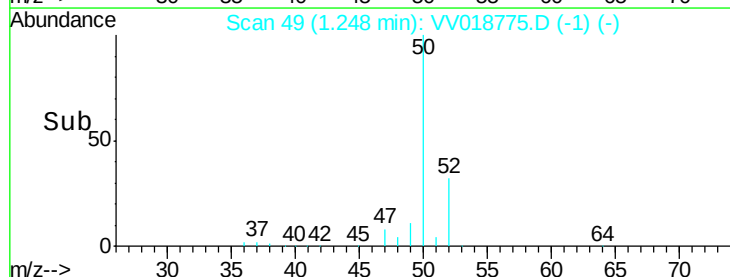
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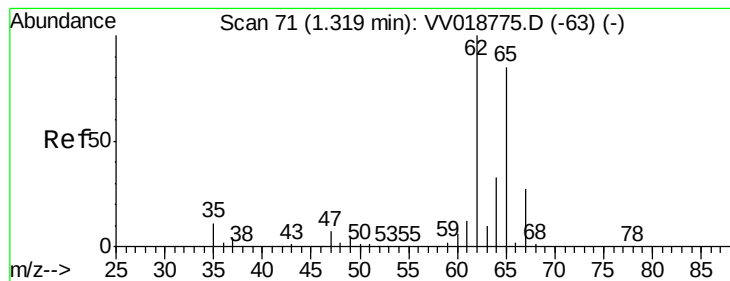
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 52.138 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

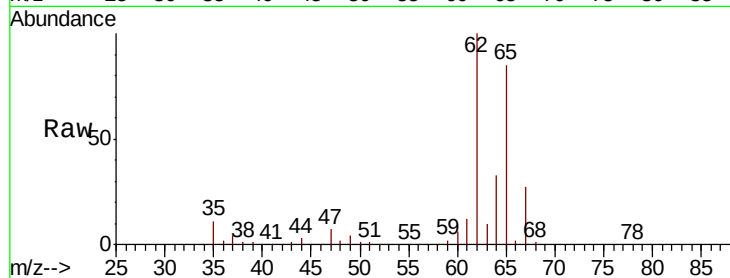
VSTD05062

Tot Ion: 62 Resp: 140147

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

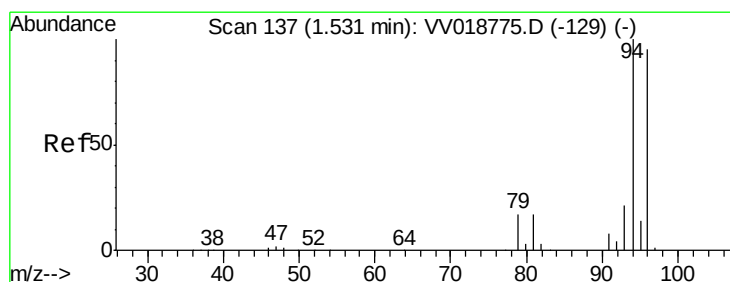
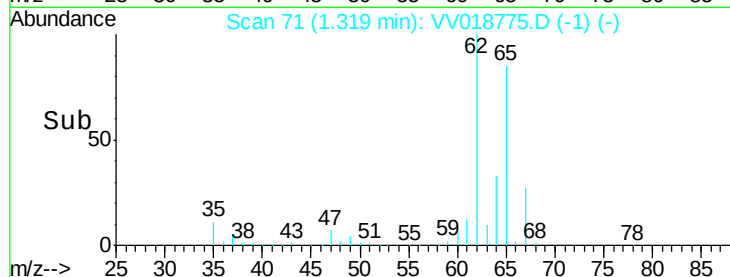
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 46.143 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018775.D

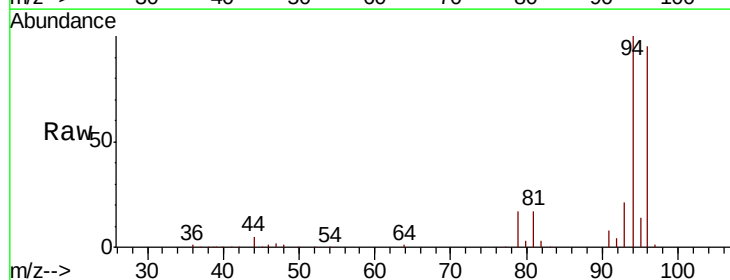
Acq: 08 Oct 2020 20:40

Tgt Ion: 94 Resp: 81964

Ion Ratio Lower Upper

94 100

96 94.6 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

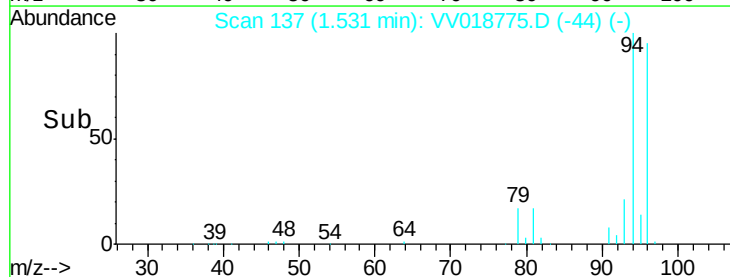
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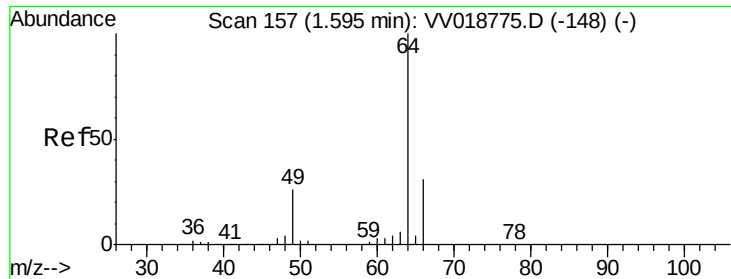
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Time-->

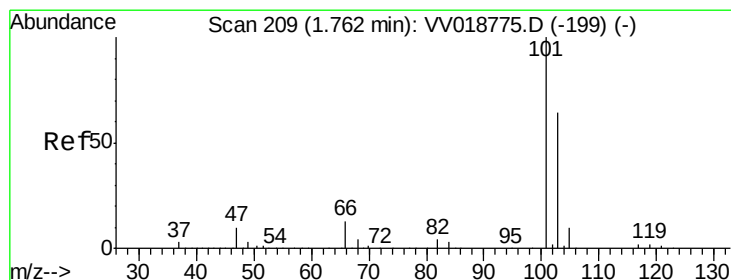
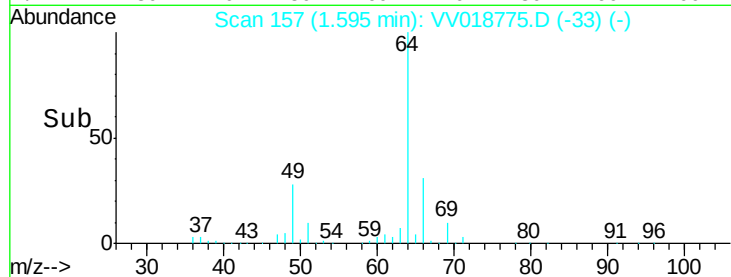
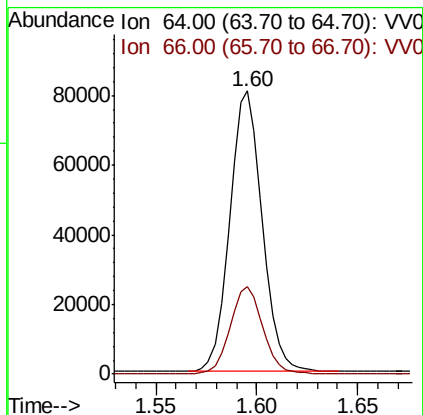
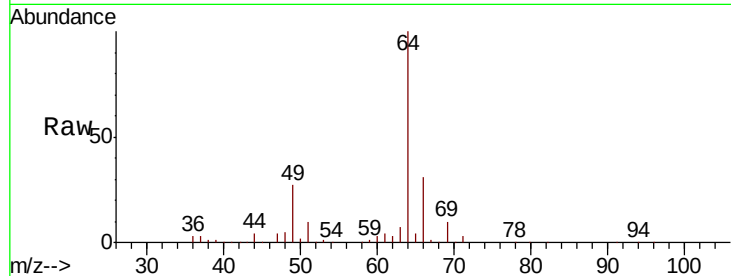




#8
Chloroethane
Concen: 53.887 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

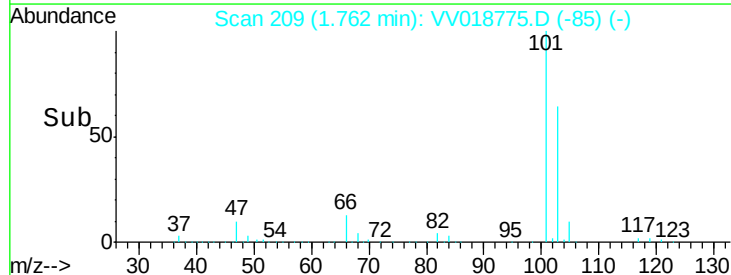
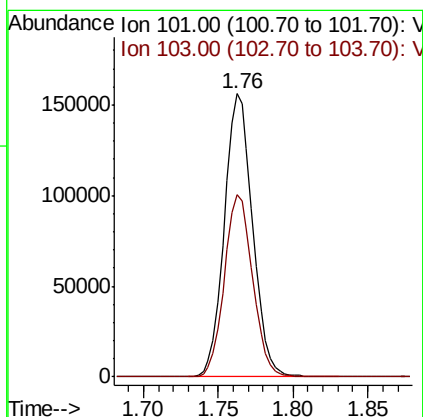
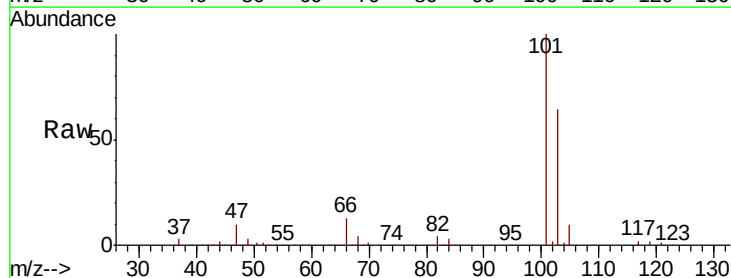
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

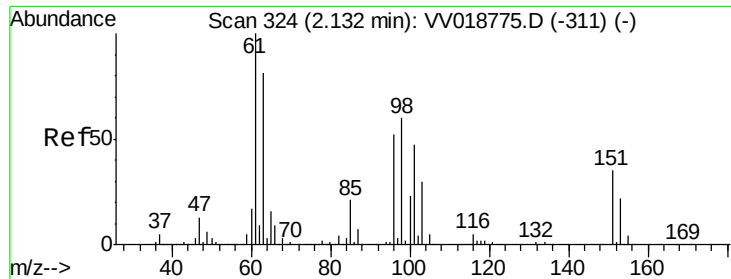
Tot Ion: 64 Resp: 90234
Ion Ratio Lower Upper
64 100
66 31.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 50.706 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion: 101 Resp: 205135
Ion Ratio Lower Upper
101 100
103 64.5 51.6 77.4





#10

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

Concen: 50.128 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

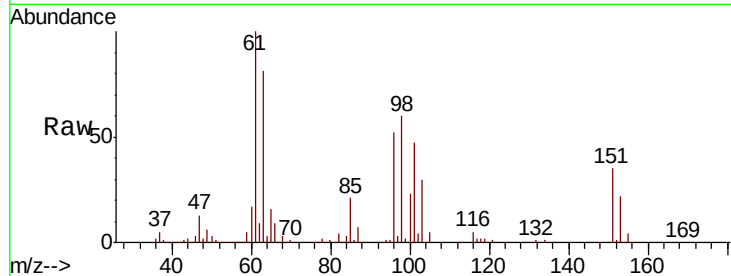
Tot Ion:101 Resp: 113815

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

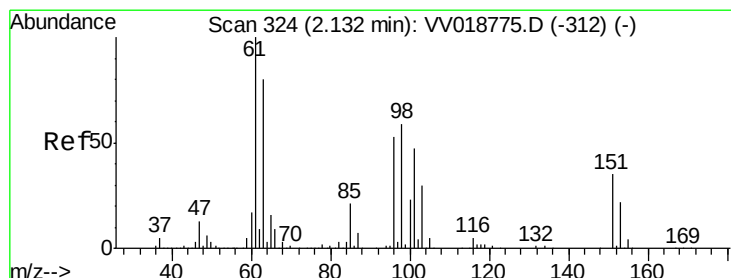
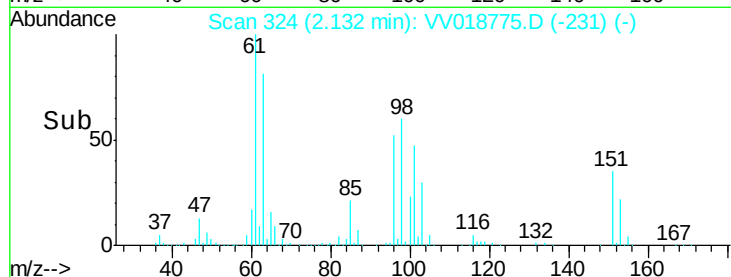
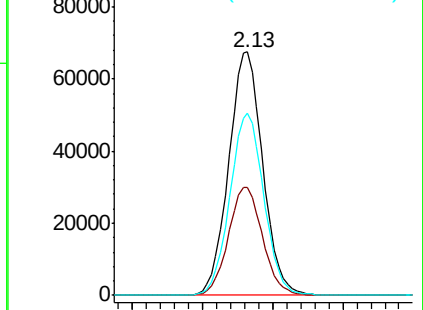
151 74.8 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018775.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018775.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018775.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 50.304 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

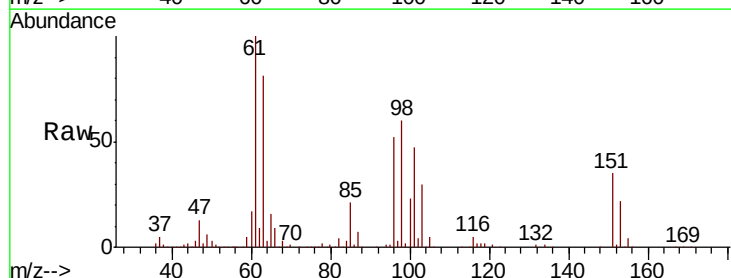
Tgt Ion: 96 Resp: 109707

Ion Ratio Lower Upper

96 100

61 190.8 133.6 248.0

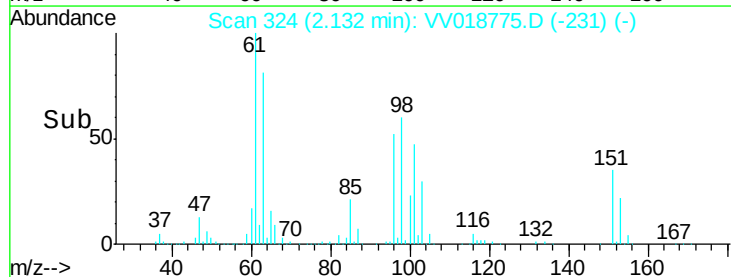
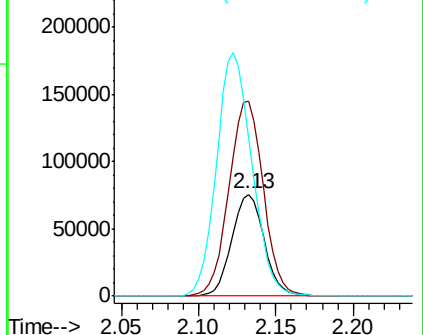
63 154.9 108.4 201.4

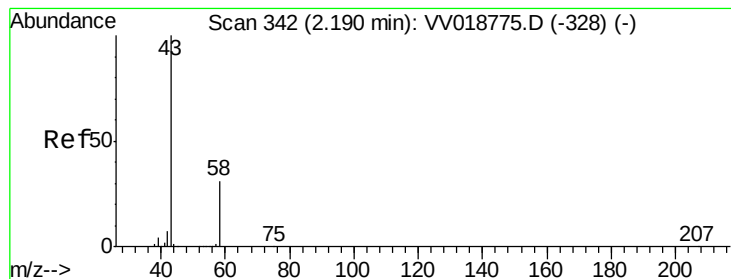


Abundance Ion 96.00 (95.70 to 96.70): VV018775.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018775.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018775.D (-312) (-)





#13

Acetone

Concen: 105.857 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

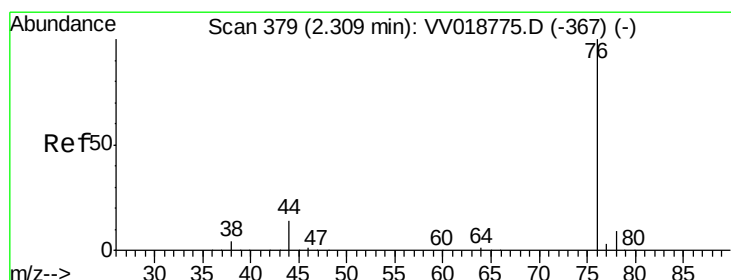
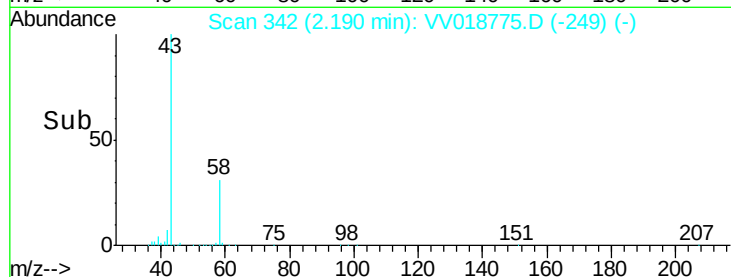
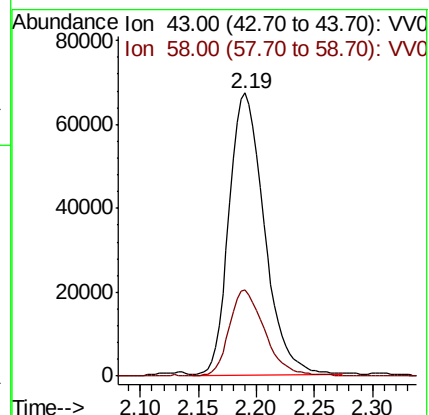
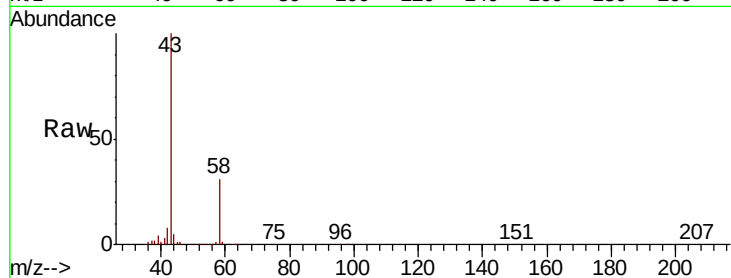
VSTD05062

Tot Ion: 43 Resp: 141476

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 46.622 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018775.D

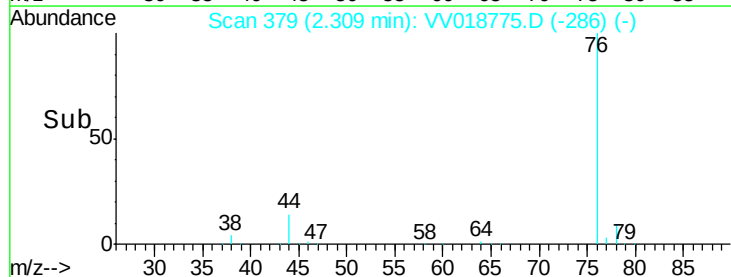
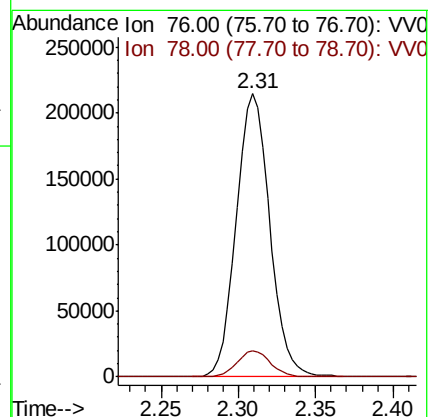
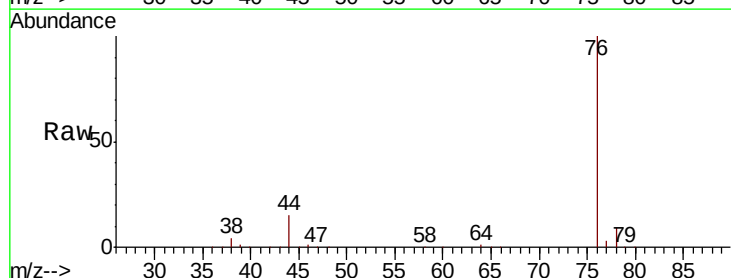
Acq: 08 Oct 2020 20:40

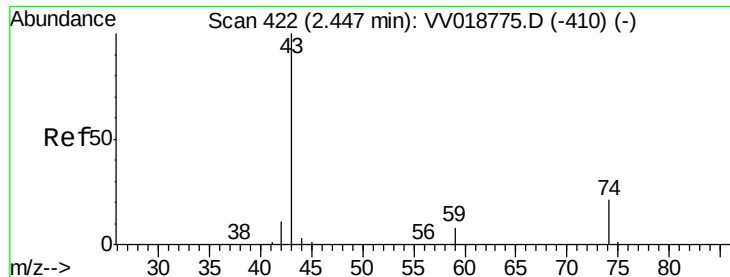
Tgt Ion: 76 Resp: 322163

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

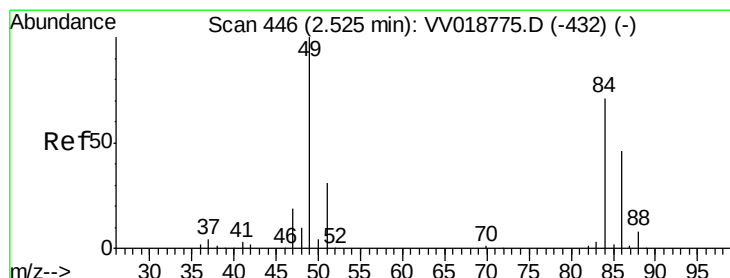
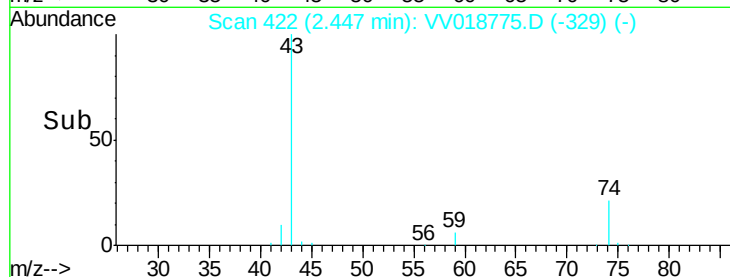
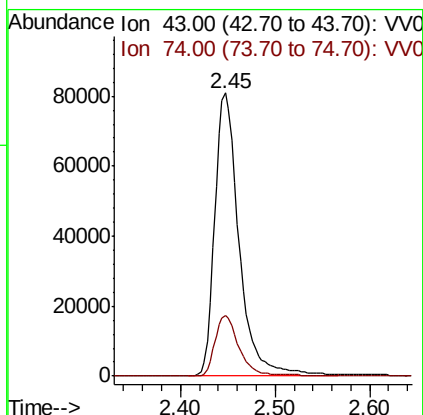
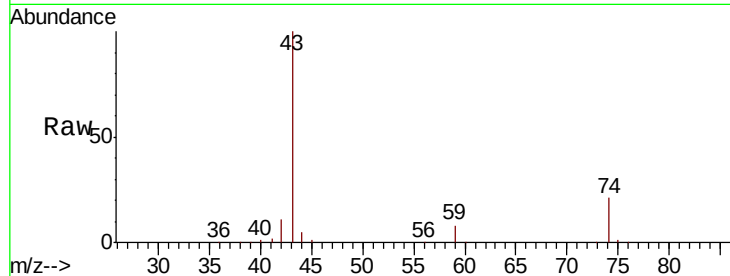




#15
Methvl Acetate
Concen: 55.567 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

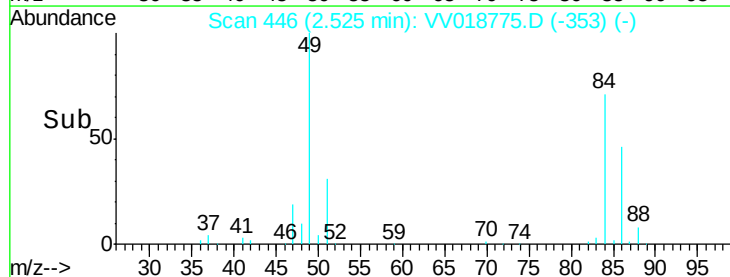
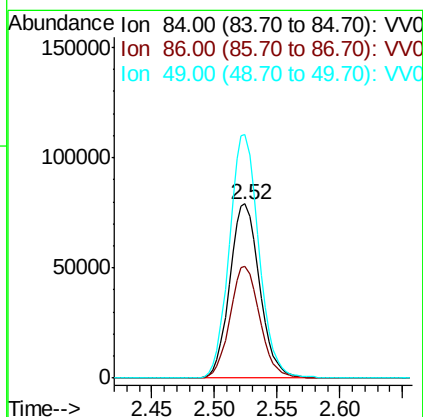
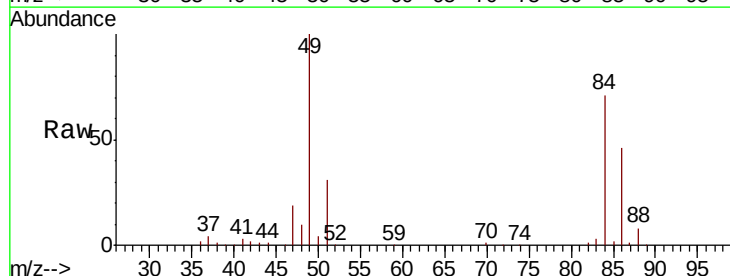
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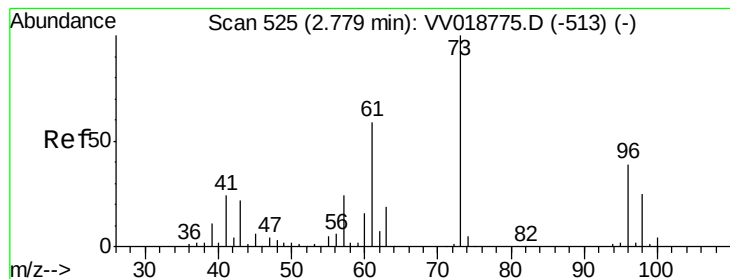
Tot Ion: 43 Resp: 144070
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3



#16
Methylene chloride
Concen: 50.319 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion: 84 Resp: 131338
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 139.9 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 44.657 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

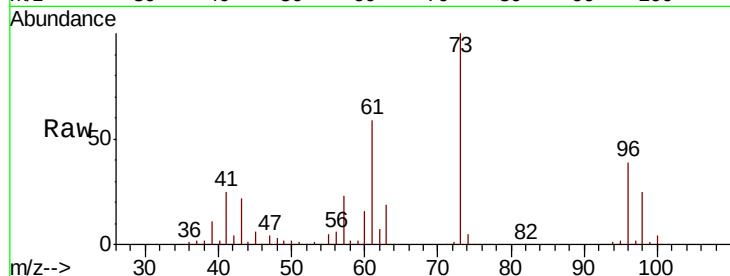
Tot Ion: 96 Resp: 107614

Ion Ratio Lower Upper

96 100

61 151.0 105.7 196.3

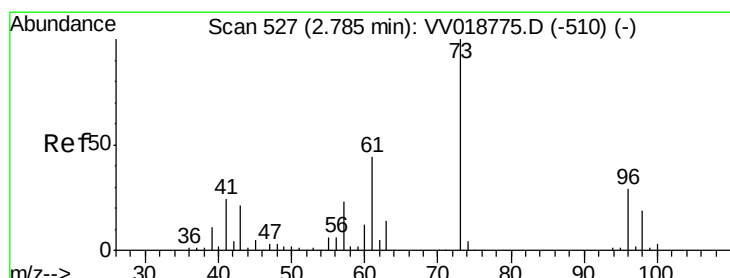
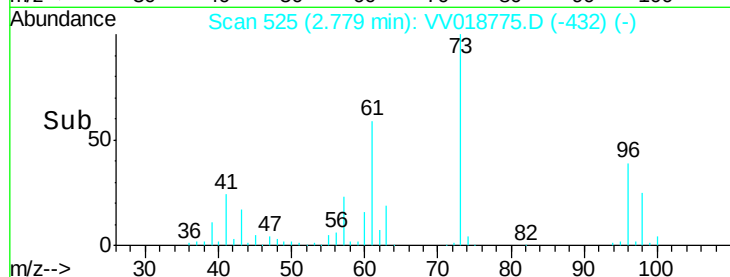
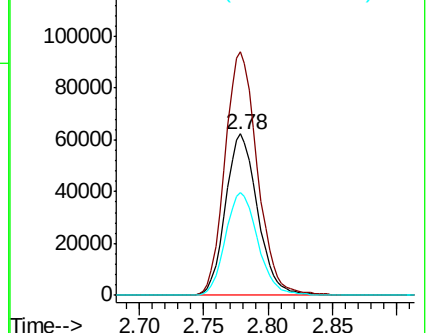
98 63.9 44.7 83.1



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: 48.748 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

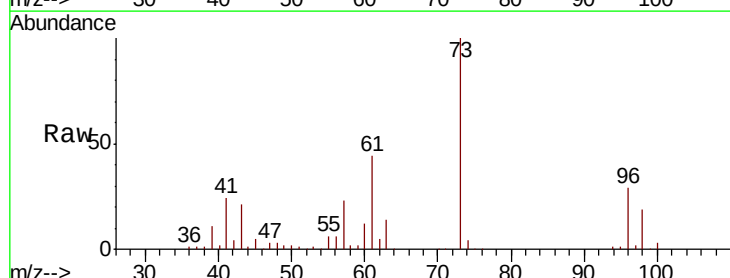
Tgt Ion: 73 Resp: 365326

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

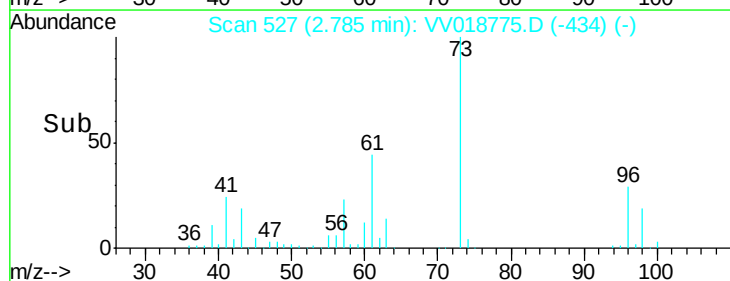
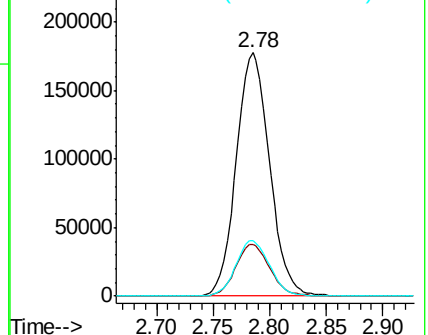
57 23.1 18.5 27.7

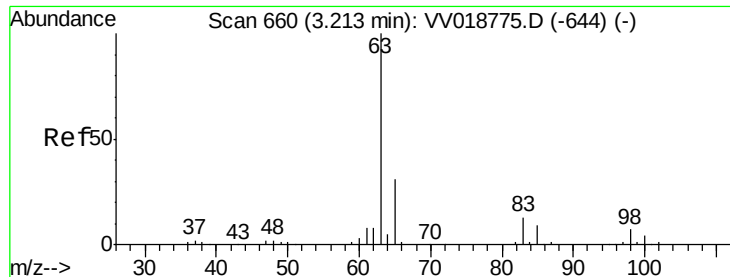


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 50.963 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

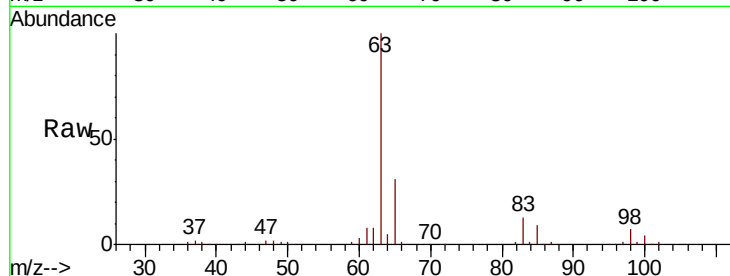
Tot Ion: 63 Resp: 221686

Ion Ratio Lower Upper

63 100

65 31.4 22.0 40.8

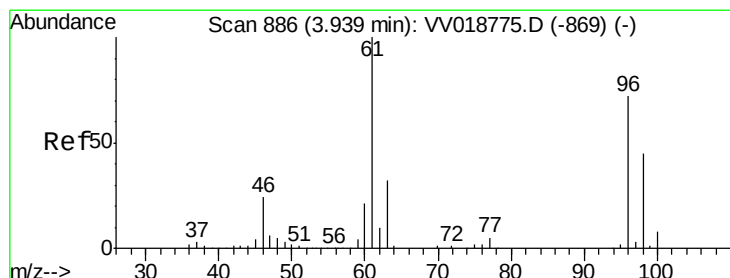
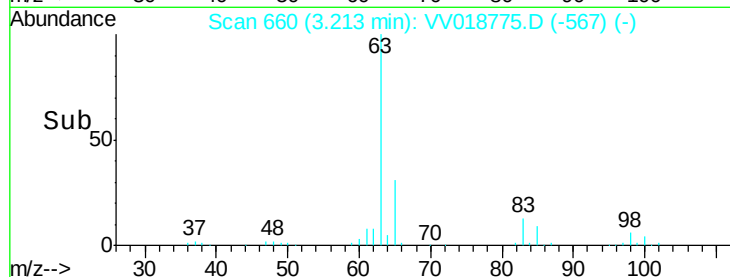
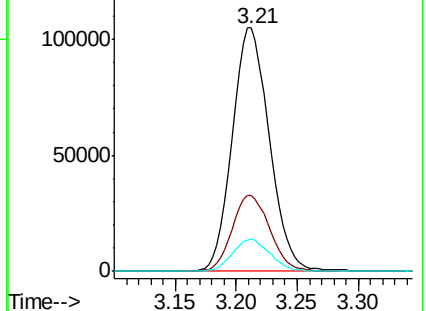
83 13.1 9.2 17.0



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: 46.836 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

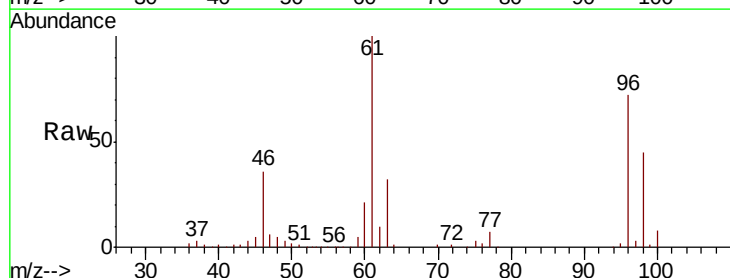
Tgt Ion: 96 Resp: 120611

Ion Ratio Lower Upper

96 100

61 139.0 97.3 180.7

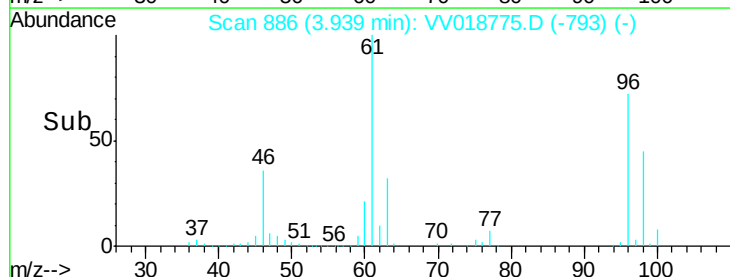
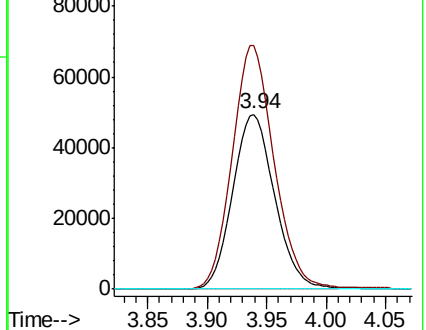
68 0.0 0.0 0.0

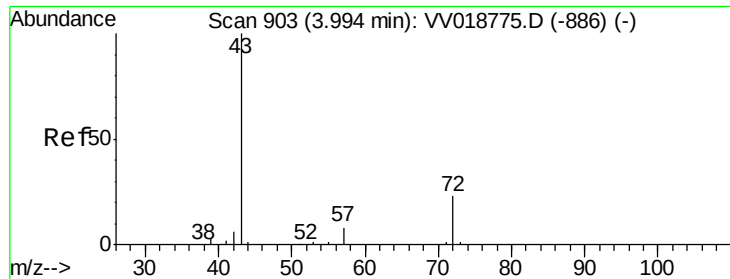


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 107.768 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

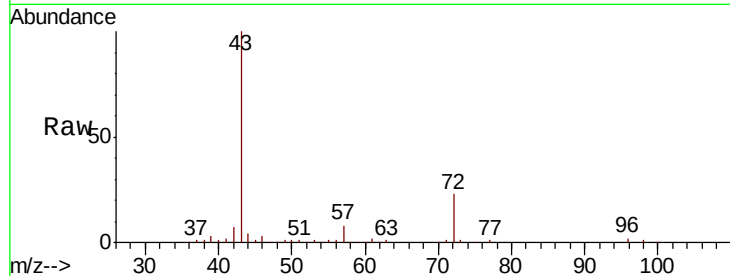
VSTD05062

Tot Ion: 43 Resp: 176534

Ion Ratio Lower Upper

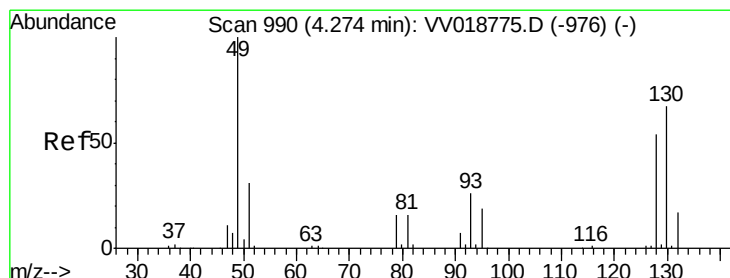
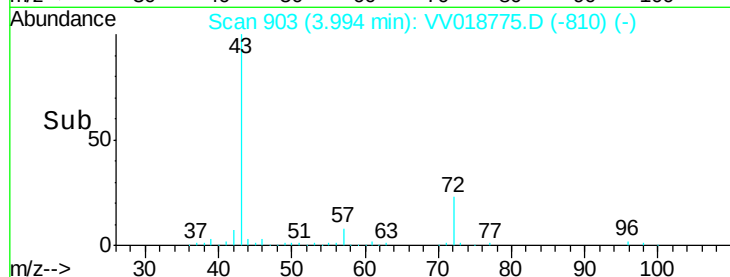
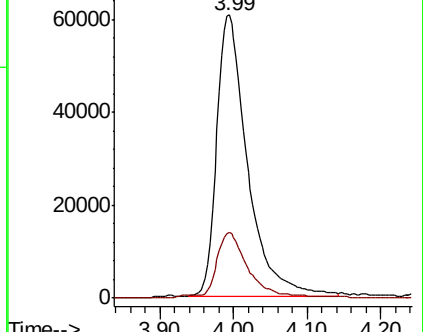
43 100

72 21.0 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018775.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV018775.D (-886) (-)



#23

Bromochloromethane

Concen: 43.796 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Tgt Ion:128 Resp: 61399

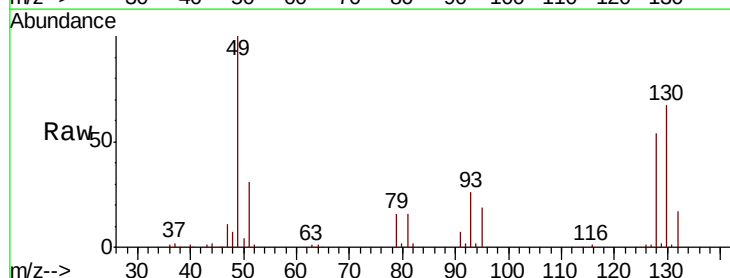
Ion Ratio Lower Upper

128 100

49 185.3 129.7 240.9

130 123.9 86.7 161.1

51 57.4 45.9 68.9

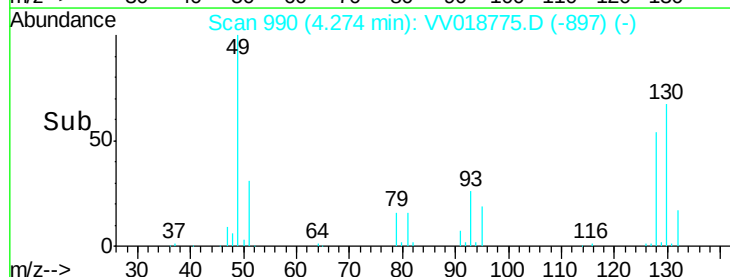
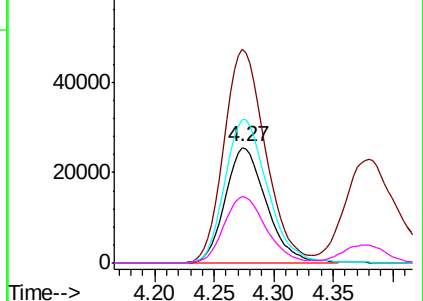


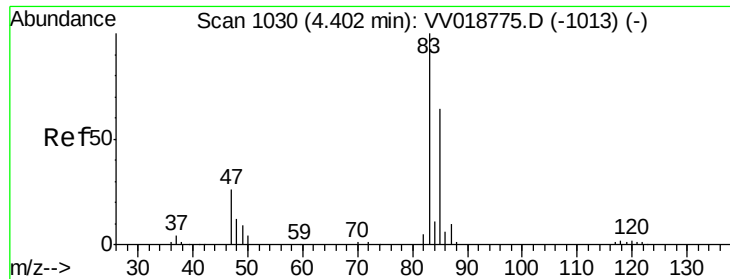
Abundance Ion 128.00 (127.70 to 128.70): VV018775.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018775.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018775.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018775.D (-976) (-)

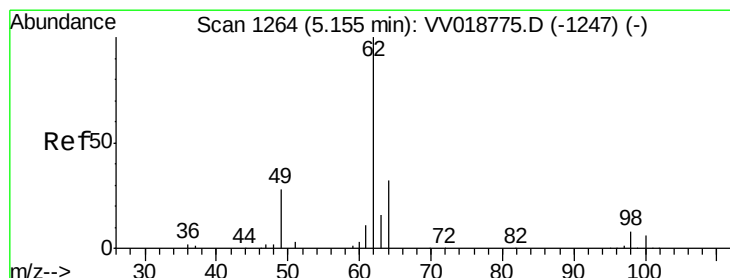
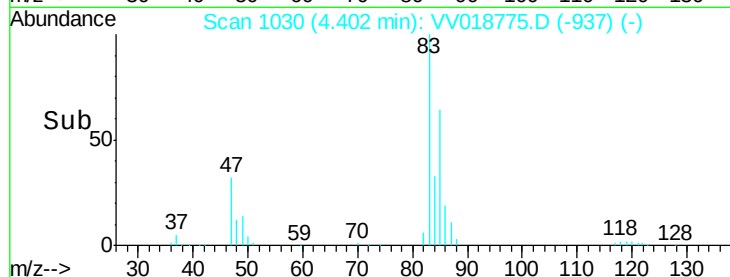
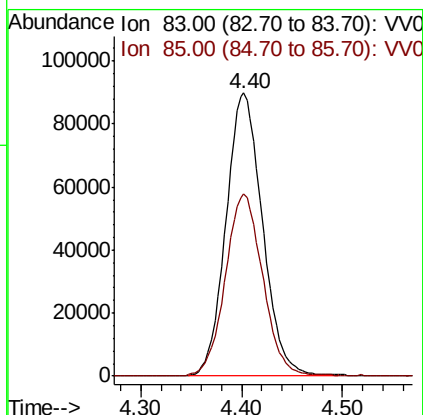
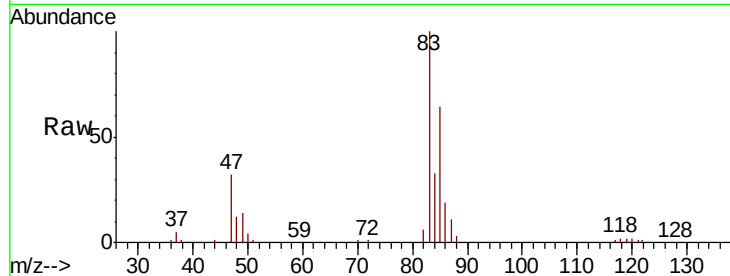




#25
Chloroform
Concen: 49.578 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

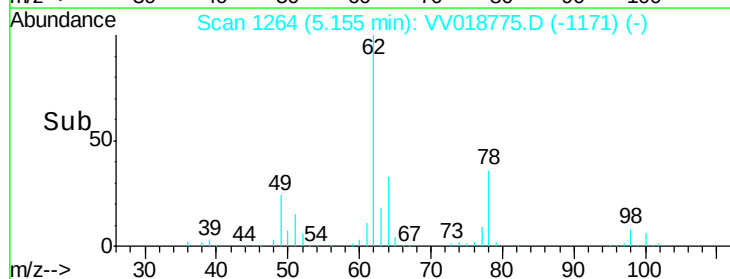
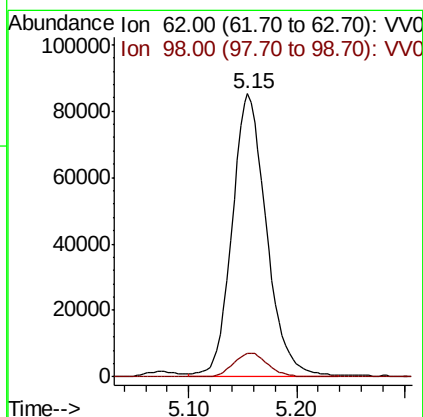
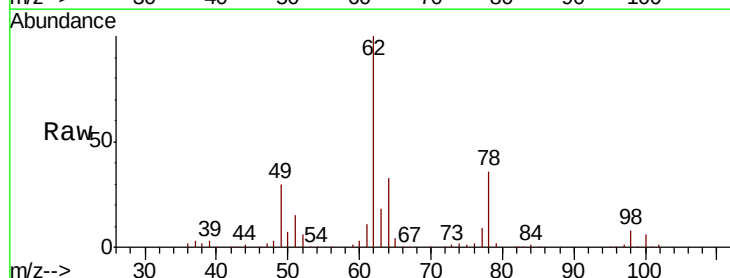
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

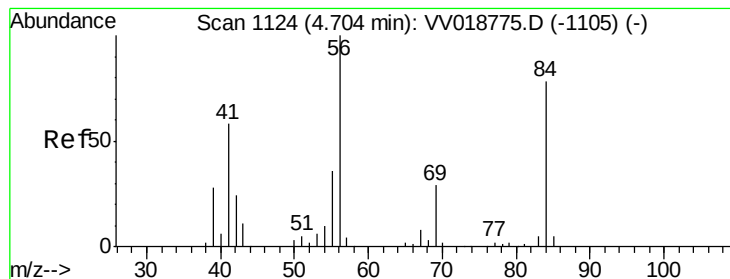
Tot Ion: 83 Resp: 226350
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 52.534 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion: 62 Resp: 188917
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

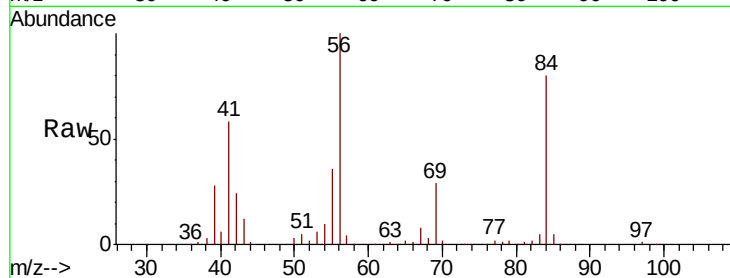




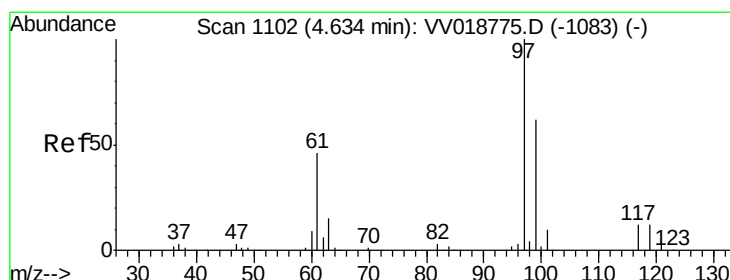
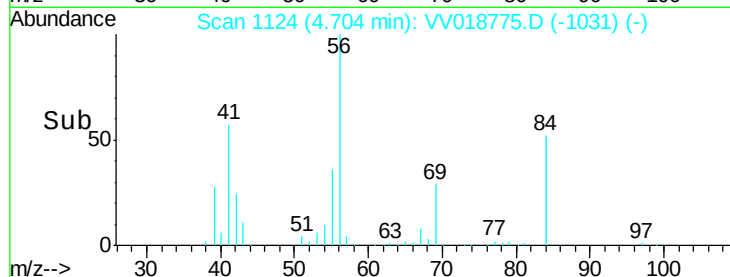
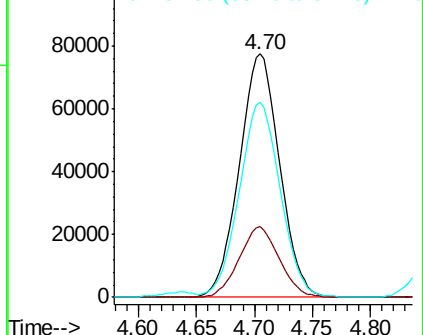
#29
Cyclohexane
Concen: 51.450 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tot Ion: 56 Resp: 188068
Ion Ratio Lower Upper
56 100
69 28.9 23.1 34.7
84 81.5 65.2 97.8

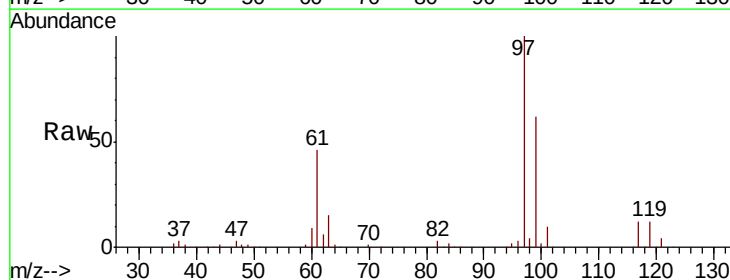


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

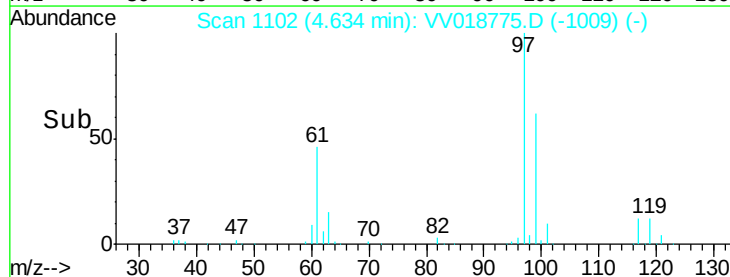
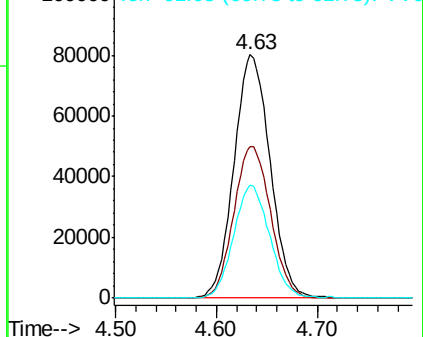


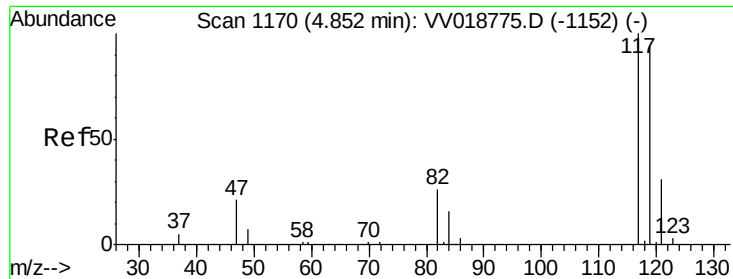
#30
1,1,1-Trichloroethane
Concen: 50.231 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion: 97 Resp: 199713
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 46.2 37.0 55.4



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

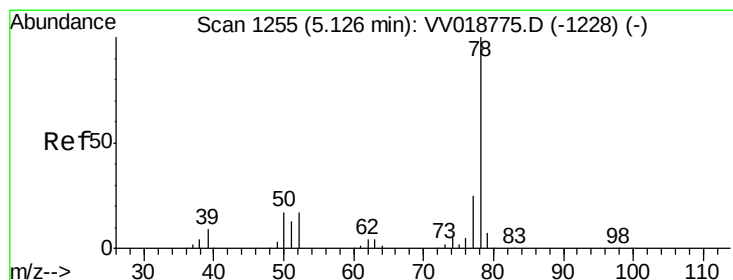
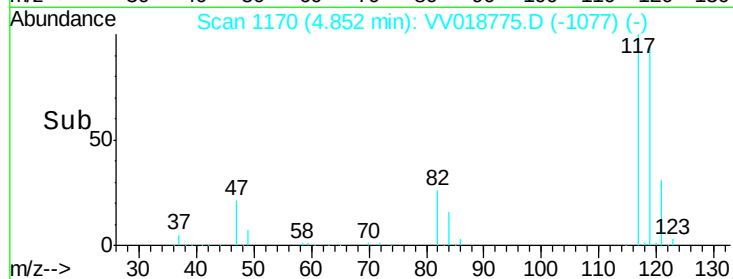
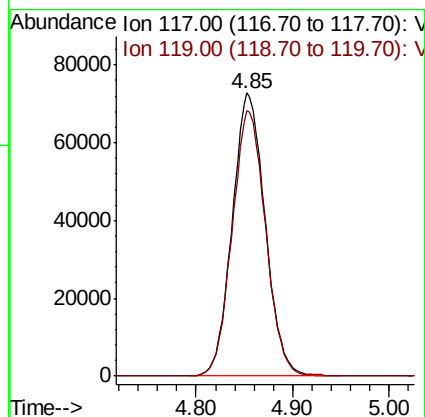
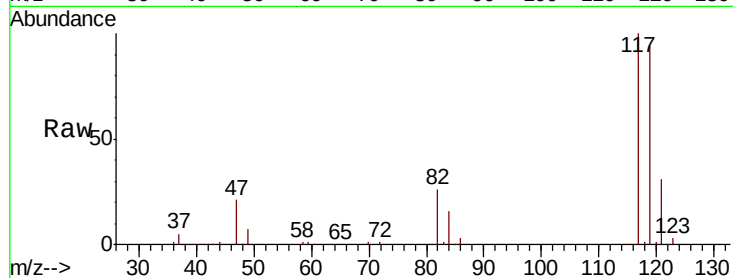




#31
Carbon tetrachloride
Concen: 48.501 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

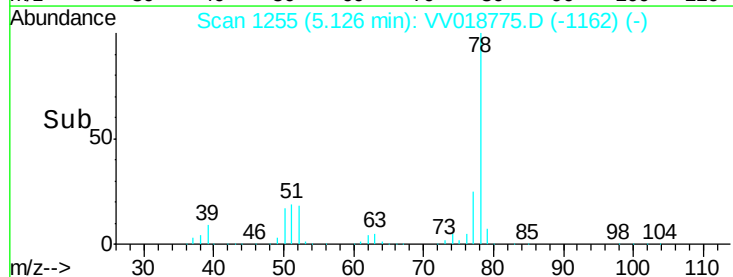
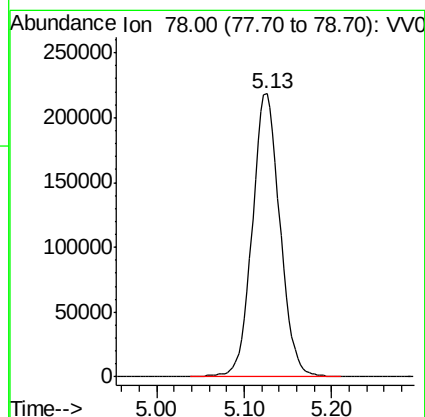
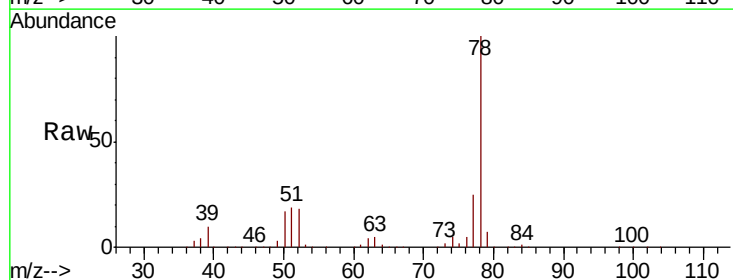
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

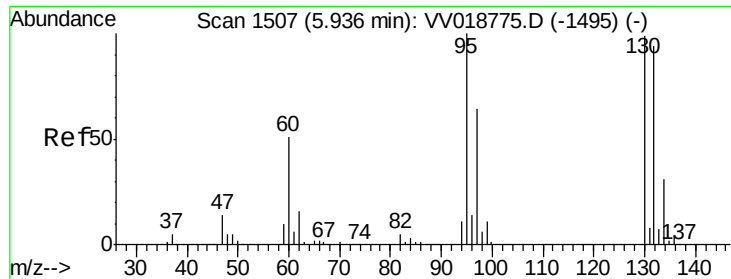
Tot Ion:117 Resp: 171675
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5



#33
Benzene
Concen: 50.812 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion: 78 Resp: 479579





#34

Trichloroethene

Concen: 52.282 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampled :

VSTD05062

Tot Ion: 95 Resp: 145063

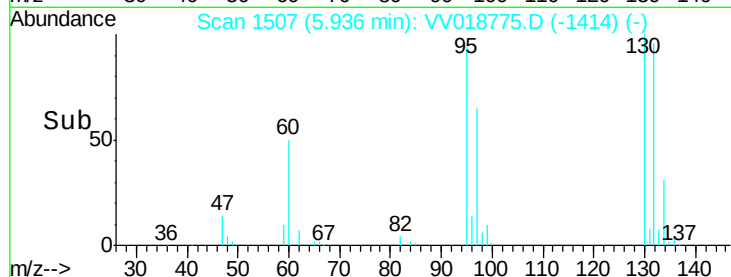
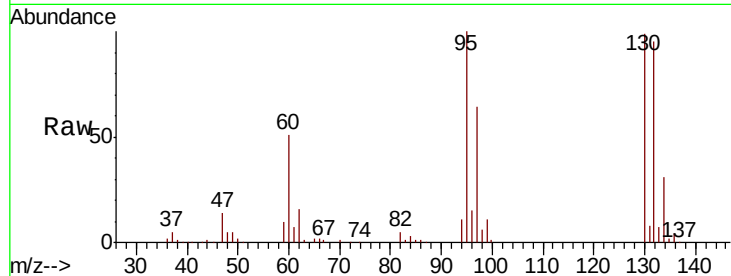
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 94.6 66.2 123.0

130 98.7 69.1 128.3

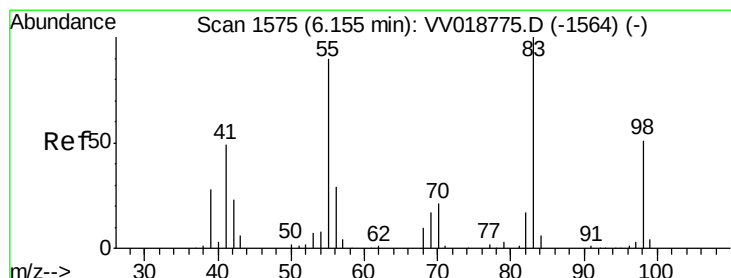
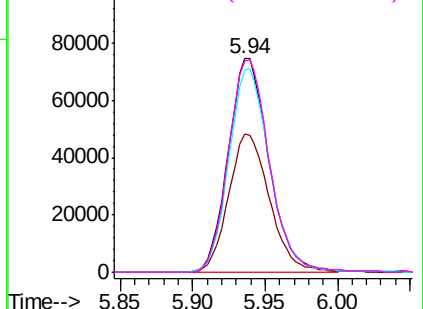


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.280 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

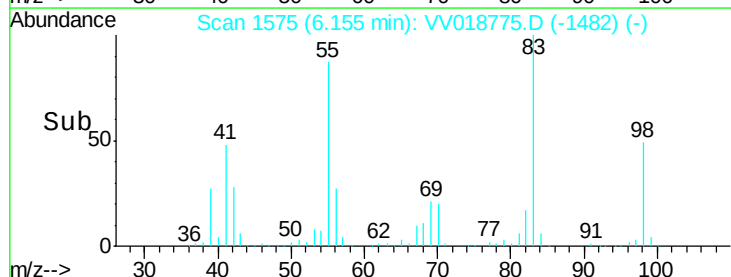
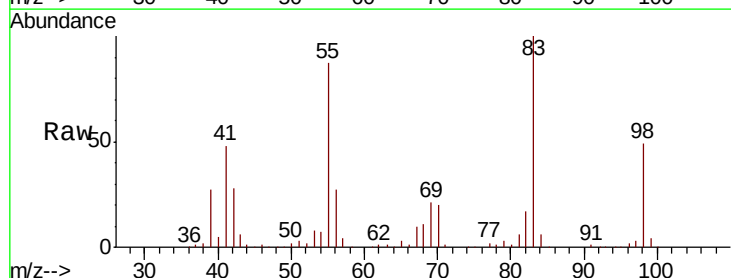
Tgt Ion: 83 Resp: 185178

Ion Ratio Lower Upper

83 100

55 83.7 67.0 100.4

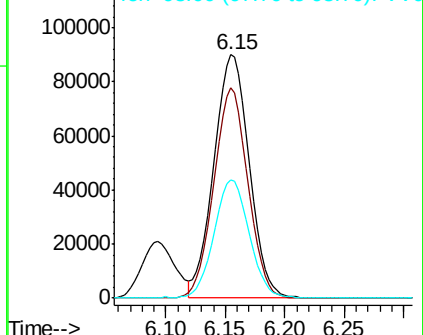
98 48.5 38.8 58.2

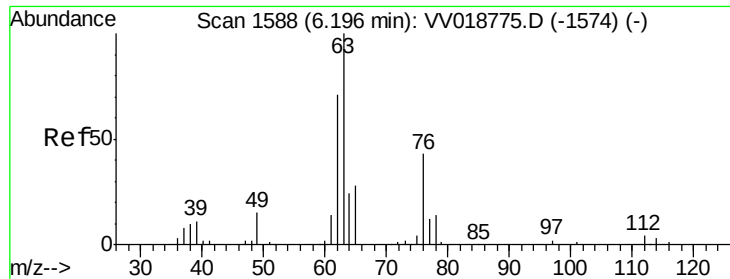


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

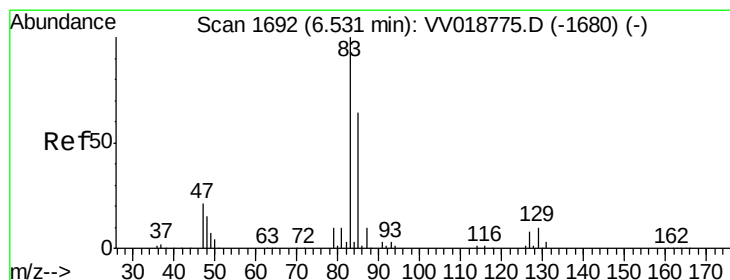
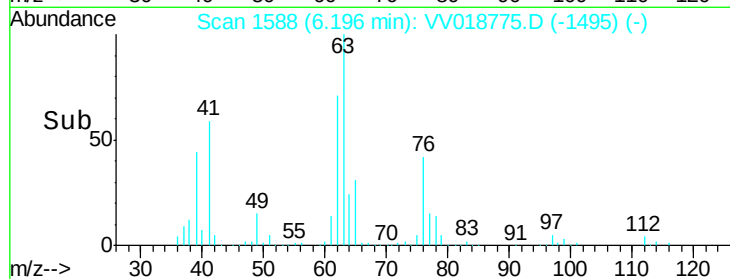
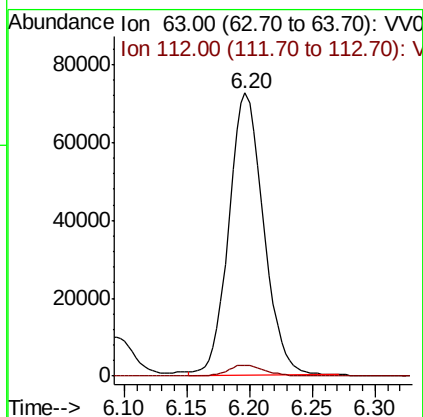
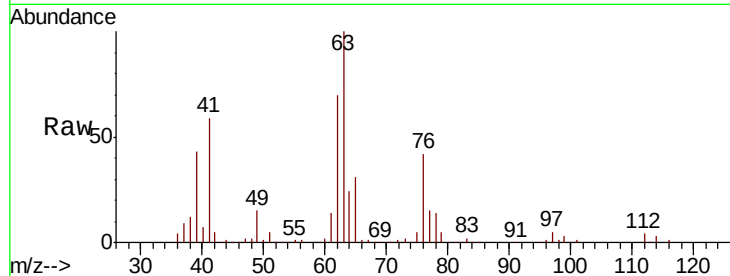




#37
 1,2-Dichloropropane
 Concen: 56.115 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018775.D
 Acq: 08 Oct 2020 20:40

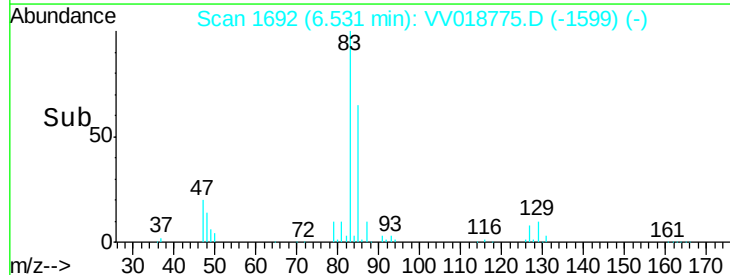
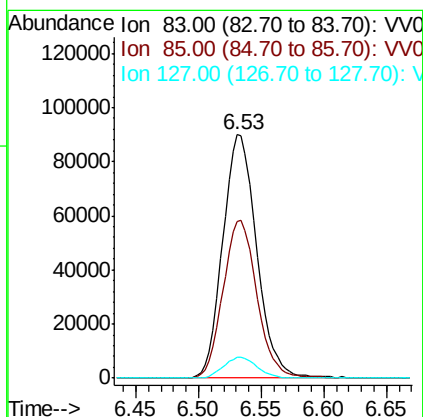
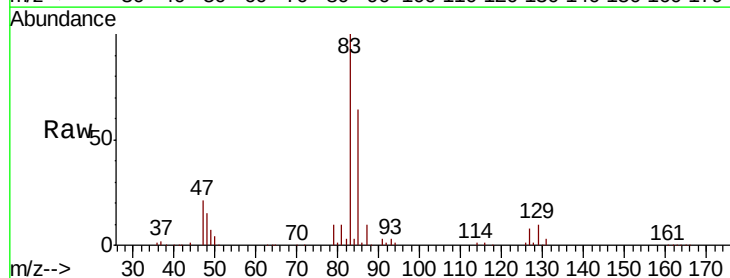
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

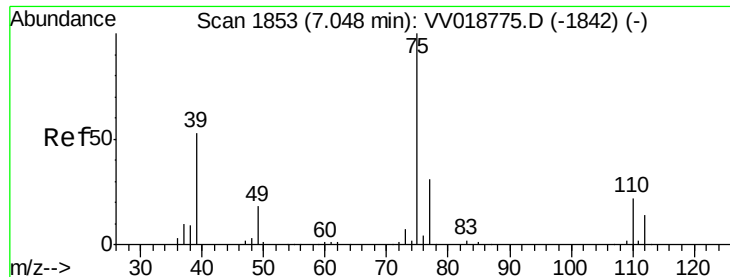
Tot Ion: 63 Resp: 139615
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 51.833 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018775.D
 Acq: 08 Oct 2020 20:40

Tgt Ion: 83 Resp: 168712
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 51.256 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

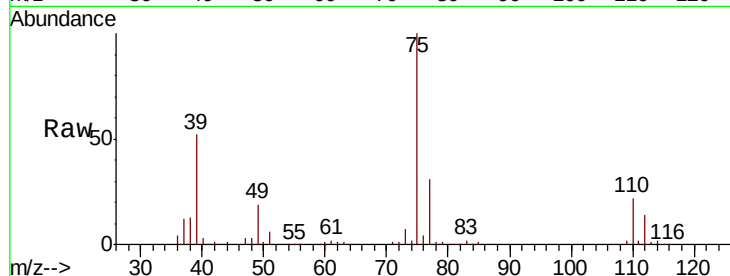
VSTD05062

Tot Ion: 75 Resp: 193475

Ion Ratio Lower Upper

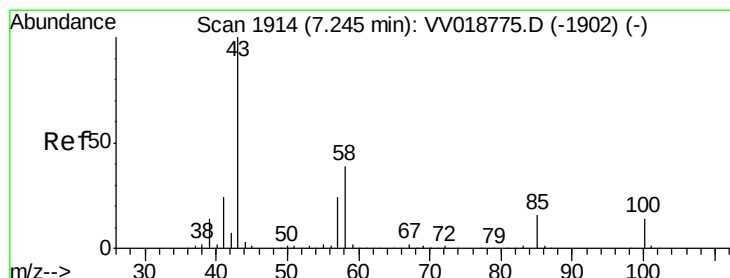
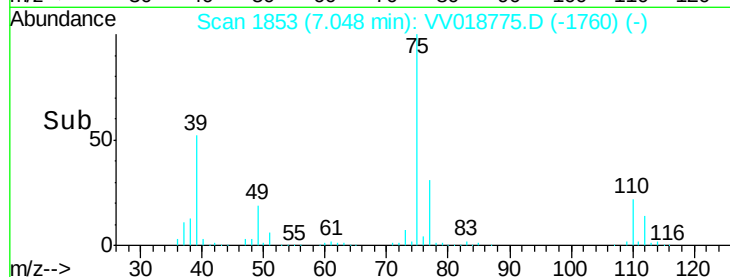
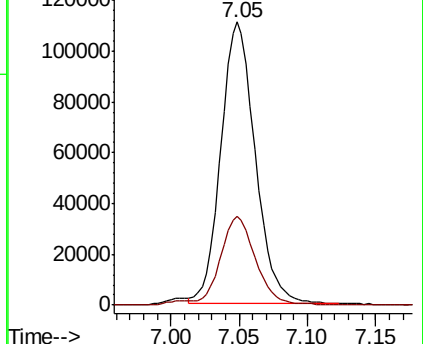
75 100

77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#40

4-Methyl-2-pentanone

Concen: 109.758 ug/L

RT: 7.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

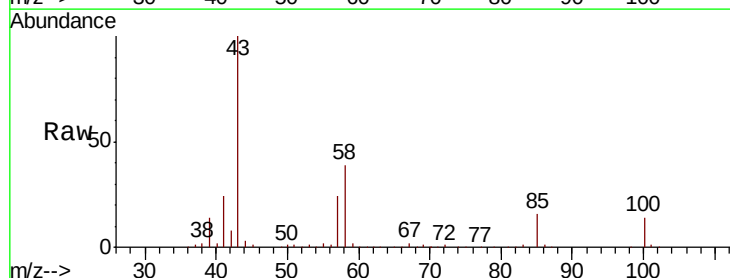
Tgt Ion: 43 Resp: 346067

Ion Ratio Lower Upper

43 100

58 37.8 30.2 45.4

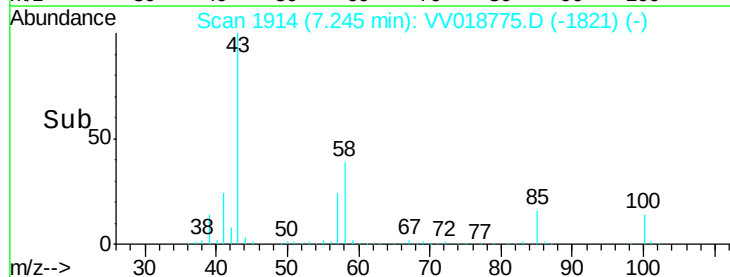
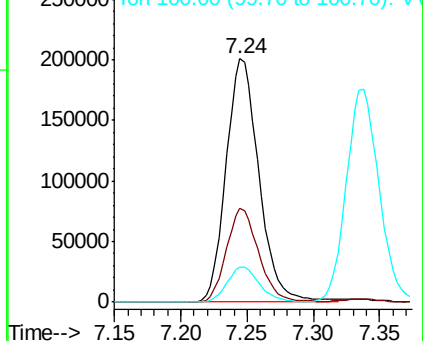
100 14.3 11.4 17.2

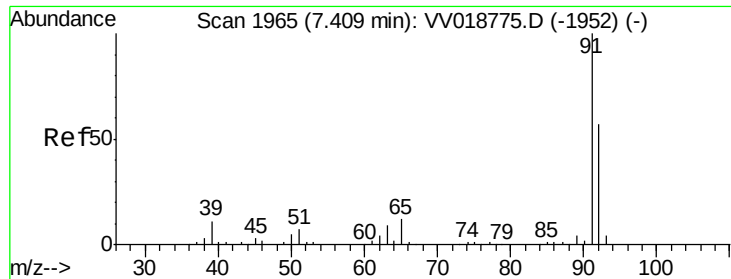


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 50.394 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

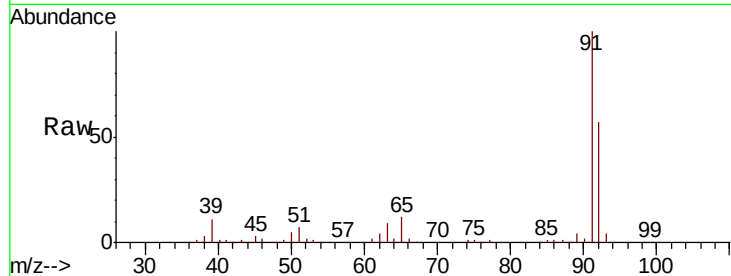
VSTD05062

Tot Ion: 91 Resp: 511491

Ion Ratio Lower Upper

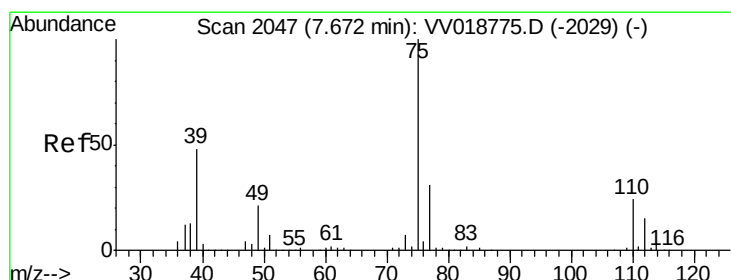
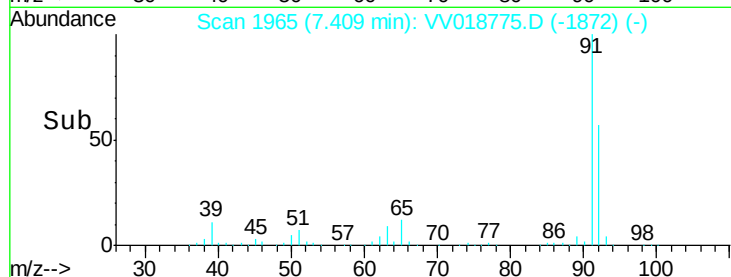
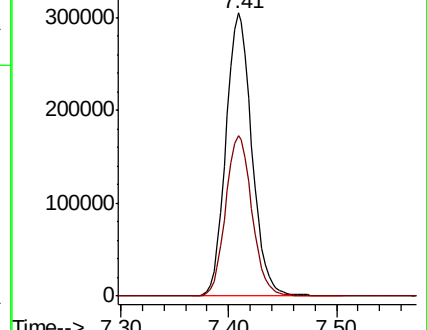
91 100

92 56.9 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 52.628 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018775.D

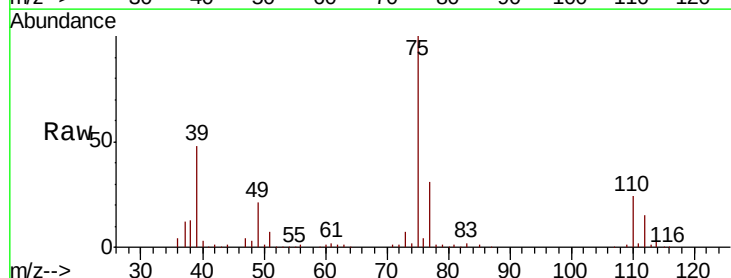
Acq: 08 Oct 2020 20:40

Tgt Ion: 75 Resp: 196474

Ion Ratio Lower Upper

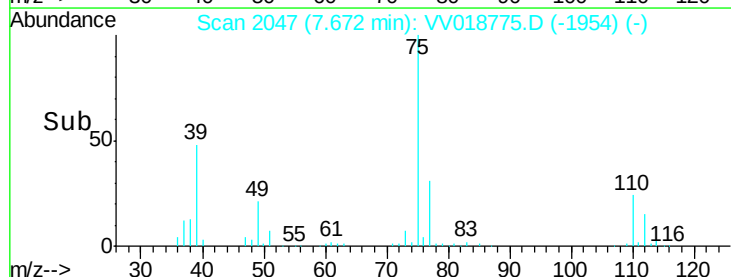
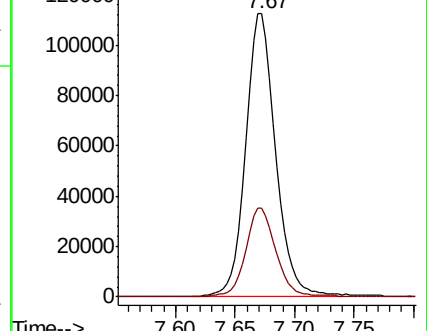
75 100

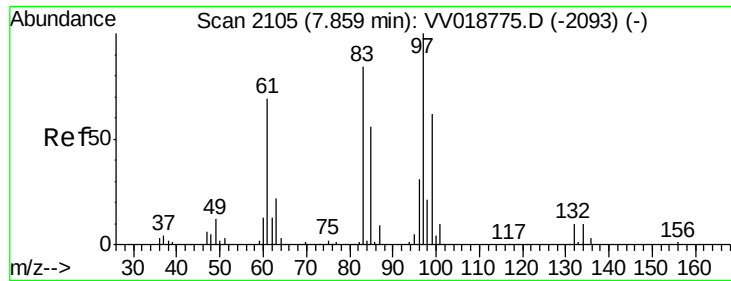
77 31.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

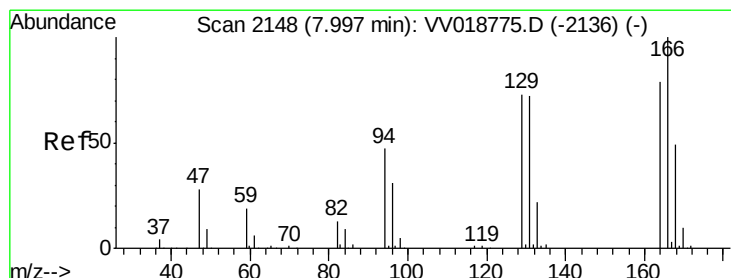
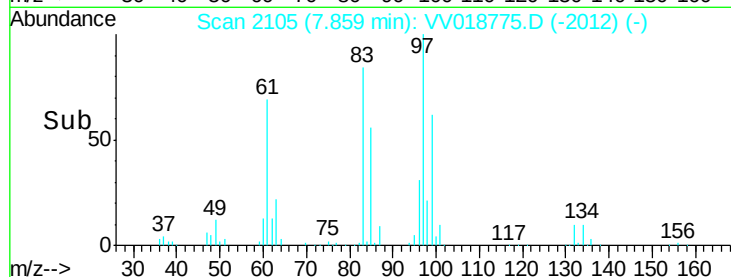
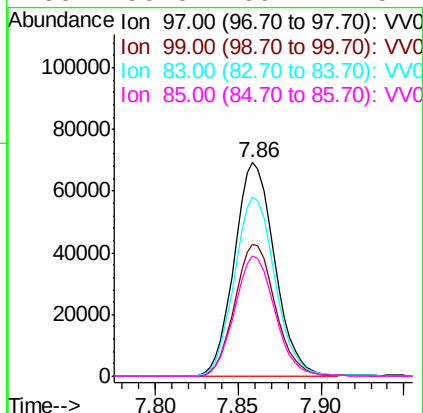
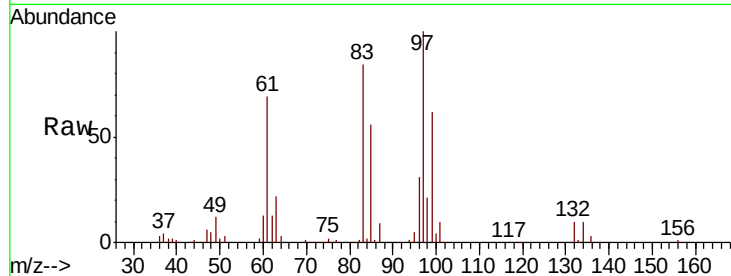




#45
1,1,2-Trichloroethane
Concen: 49.207 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

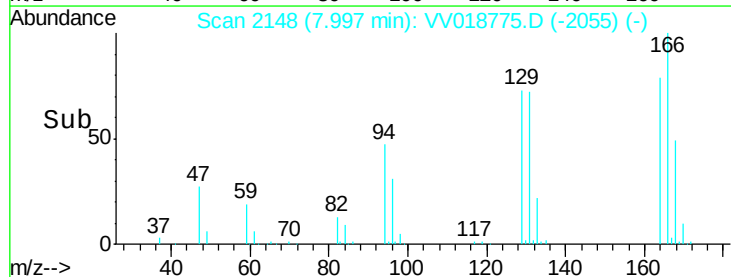
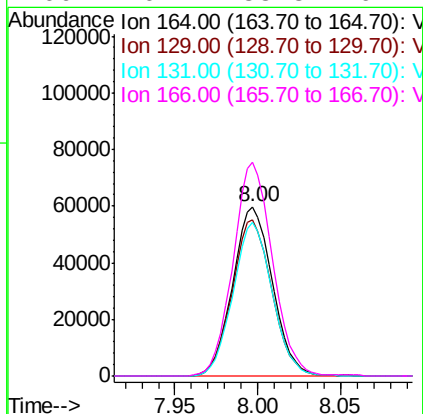
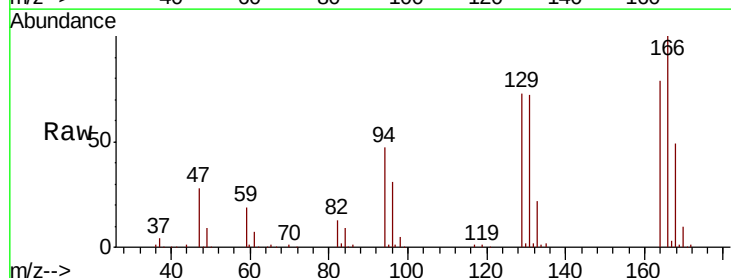
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

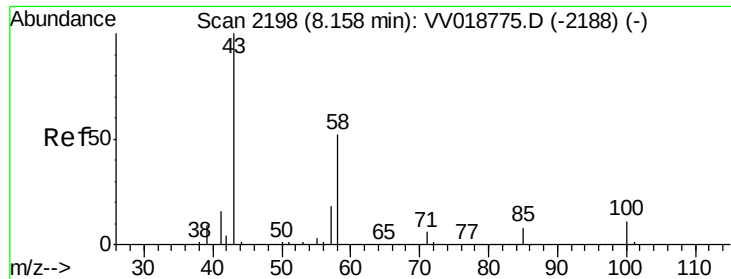
Tot Ion:	97	Resp:	117200
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.4	80.6
83	83.8	58.7	108.9
85	56.3	39.4	73.2



#46
Tetrachloroethene
Concen: 45.831 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion:	164	Resp:	99547
Ion	Ratio	Lower	Upper
164	100		
129	92.3	64.6	120.0
131	90.8	63.6	118.0
166	126.2	88.3	164.1

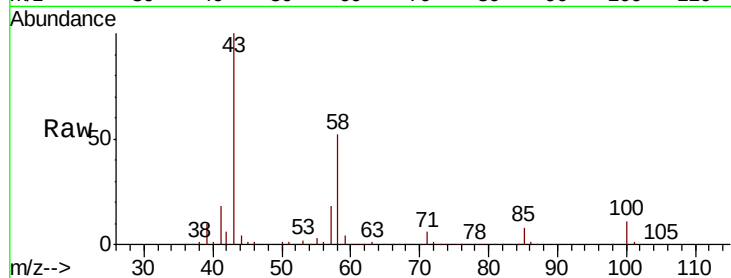




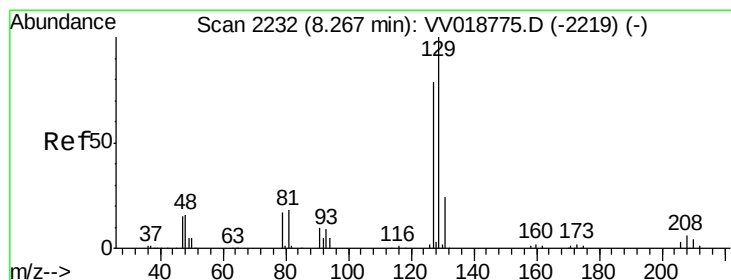
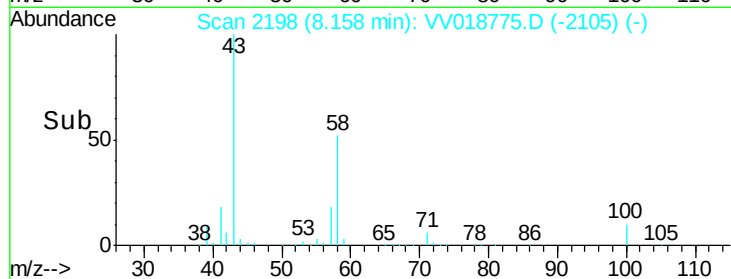
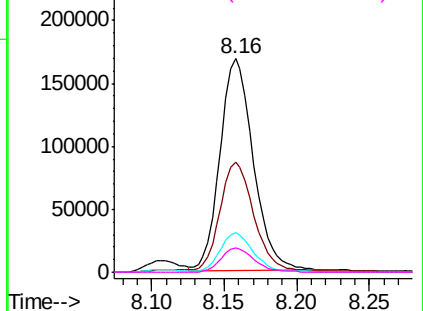
#48
2-Hexanone
Concen: 110.158 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tot Ion:	43	Resp:	271297
Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.8	62.8
57	18.6	14.9	22.3
100	11.5	9.2	13.8

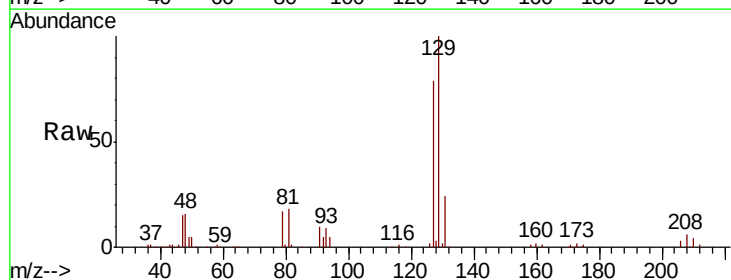


Abundance Ion 43.00 (42.70 to 43.70): VV018775.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018775.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018775.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018775.D (-2188) (-)

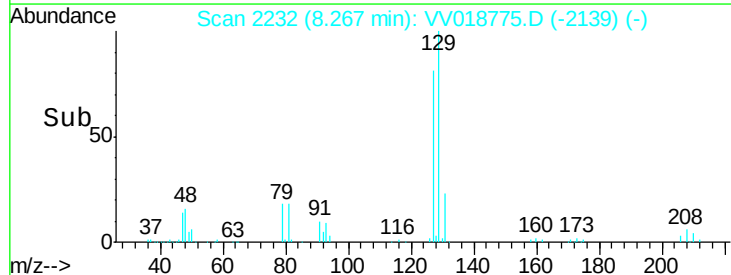
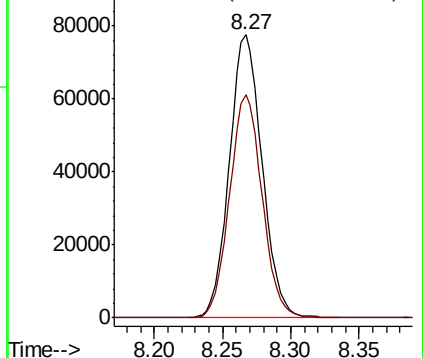


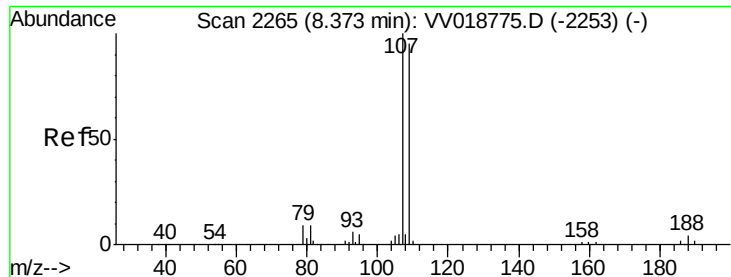
#49
Dibromochloromethane
Concen: 48.086 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion:	129	Resp:	129691
Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.3	102.7



Abundance Ion 129.00 (128.70 to 129.70): VV018775.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018775.D (-2219) (-)

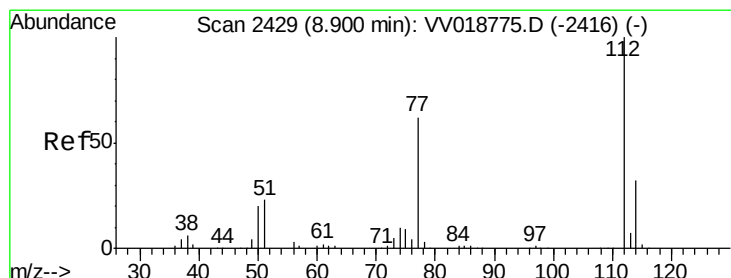
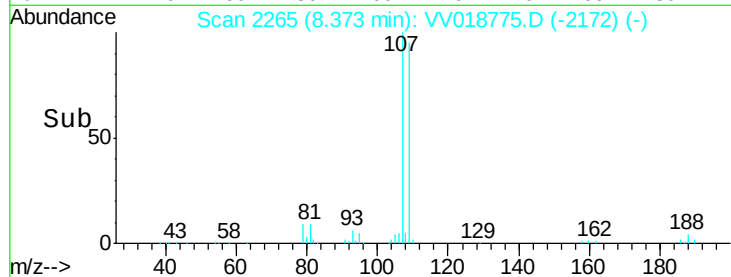
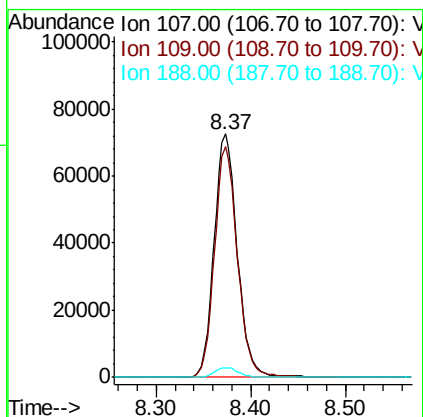
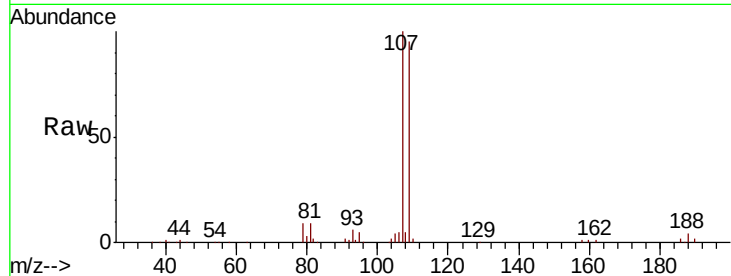




#50
 1,2-Dibromoethane
 Concen: 49.028 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018775.D
 Acq: 08 Oct 2020 20:40

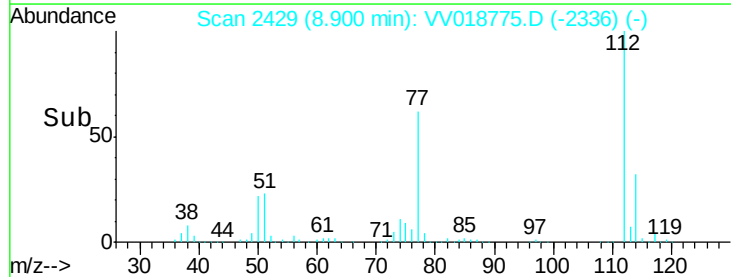
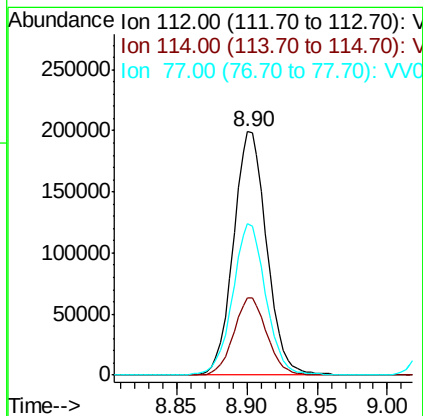
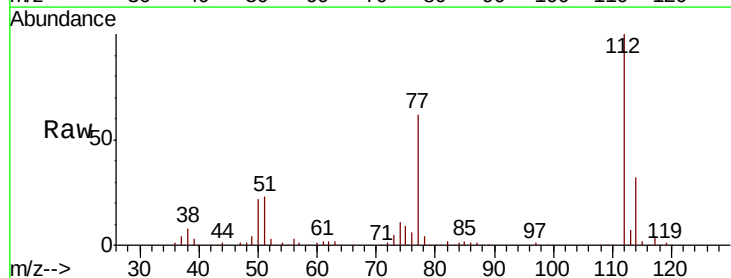
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

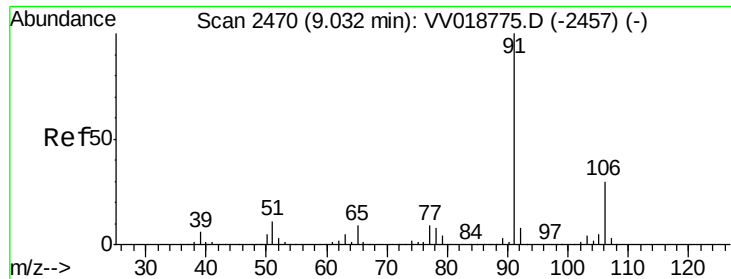
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.2
188	3.9	3.1	4.7



#51
 Chlorobenzene
 Concen: 48.383 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018775.D
 Acq: 08 Oct 2020 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	41.0
77	62.2	49.8	74.6





#52

Ethylbenzene

Concen: 50.725 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

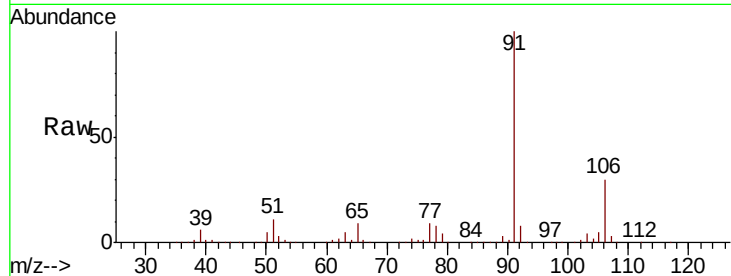
VSTD05062

Tot Ion: 91 Resp: 575782

Ion Ratio Lower Upper

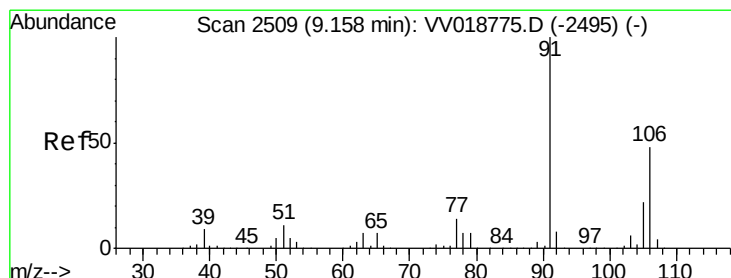
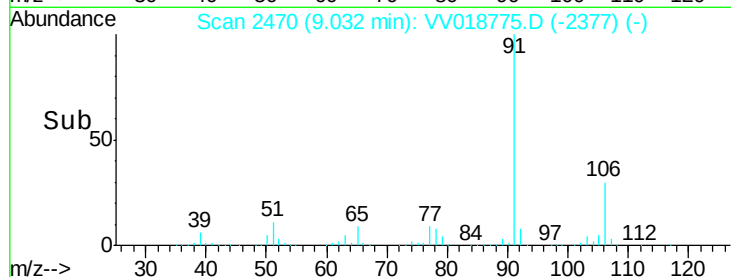
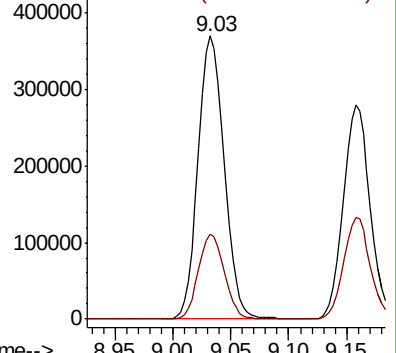
91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018775.D (-2457) (-)

Ion 106.00 (105.70 to 106.70): VV018775.D (-2457) (-)



#53

m,p-Xylene

Concen: 49.273 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018775.D

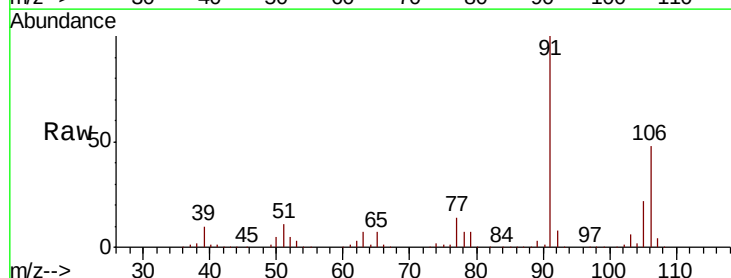
Acq: 08 Oct 2020 20:40

Tgt Ion: 106 Resp: 214678

Ion Ratio Lower Upper

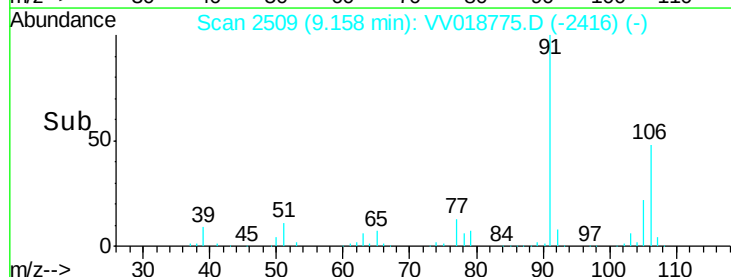
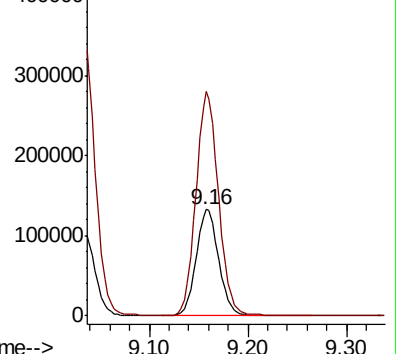
106 100

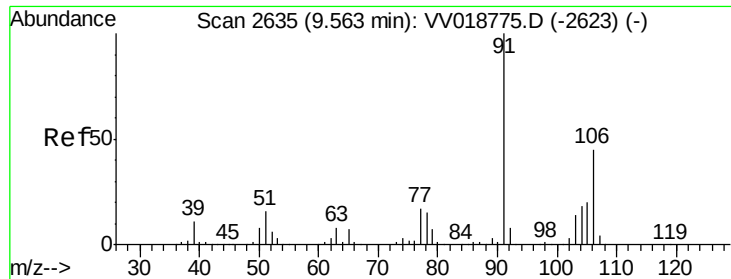
91 210.1 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): VV018775.D (-2495) (-)

Ion 91.00 (90.70 to 91.70): VV018775.D (-2495) (-)

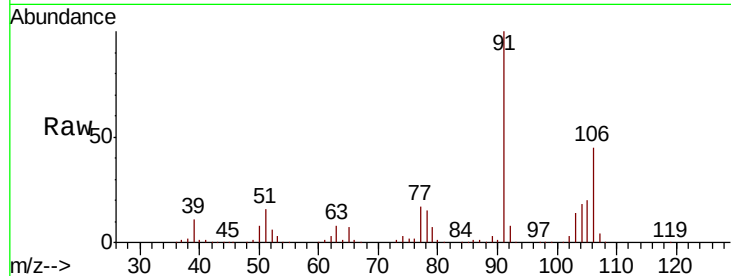




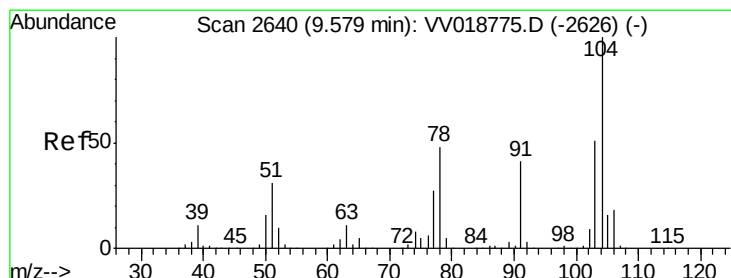
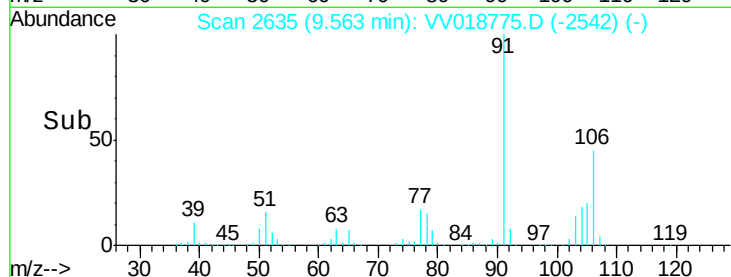
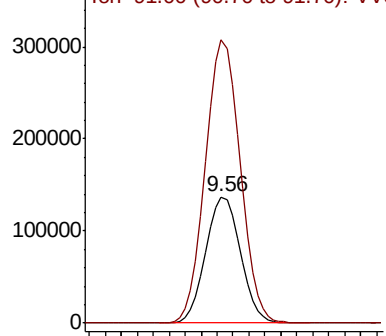
#54
o-xylene
Concen: 49.488 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

Tot Ion:106 Resp: 203611
Ion Ratio Lower Upper
106 100
91 224.0 156.8 291.2

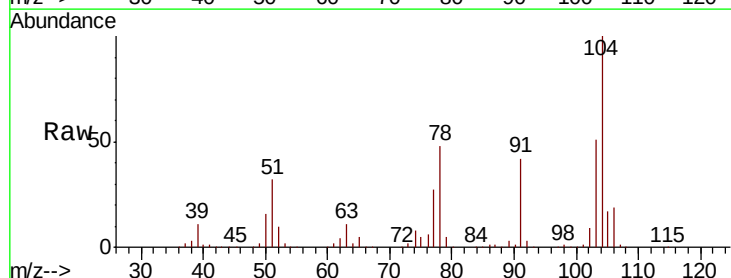


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

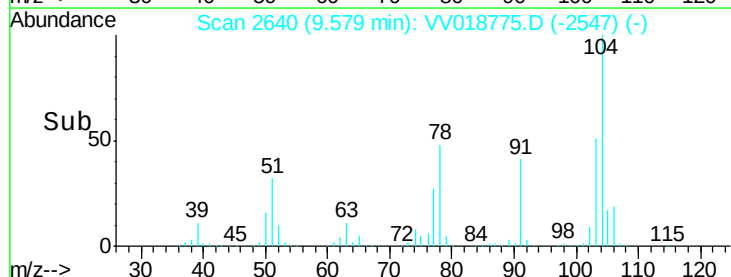
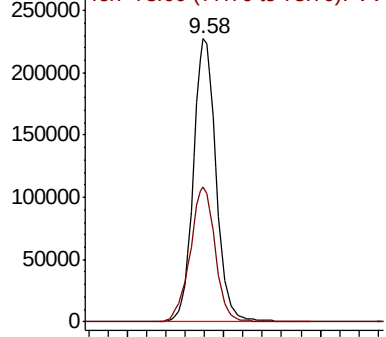


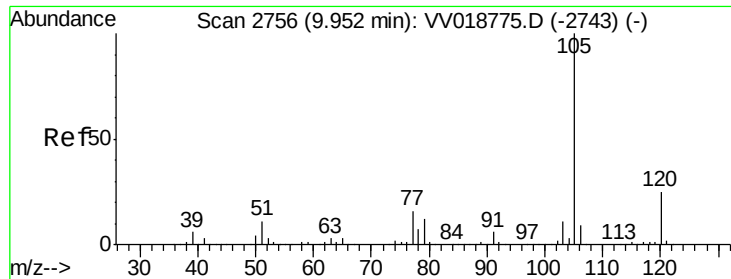
#55
Styrene
Concen: 51.301 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018775.D
Acq: 08 Oct 2020 20:40

Tgt Ion:104 Resp: 369350
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.633 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

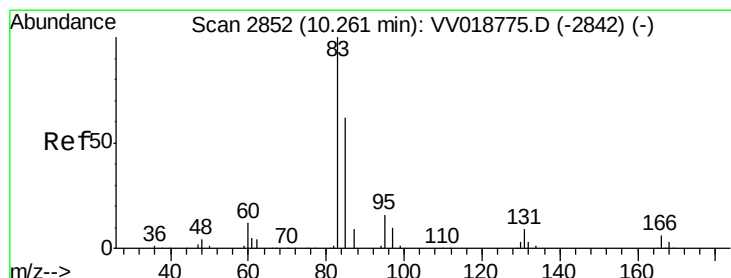
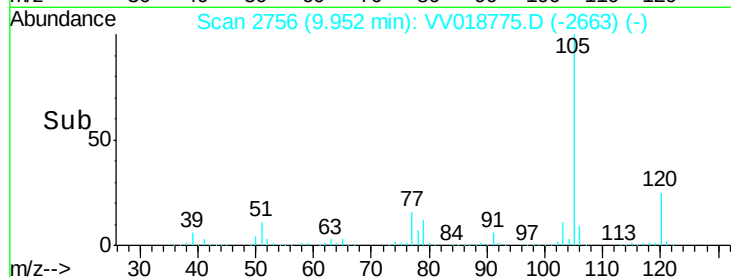
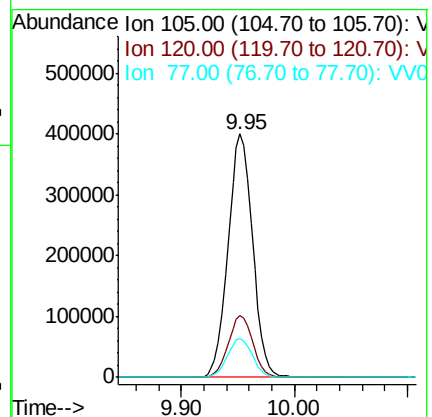
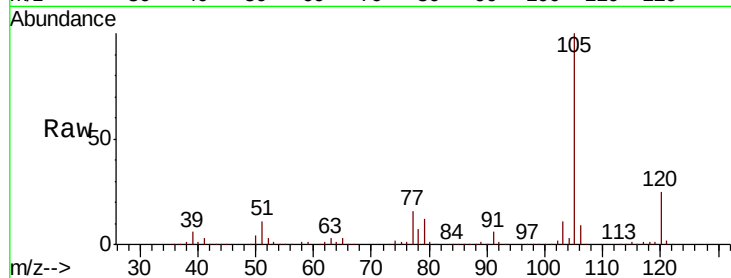
Tot Ion:105 Resp: 604263

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

77 16.3 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 51.355 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

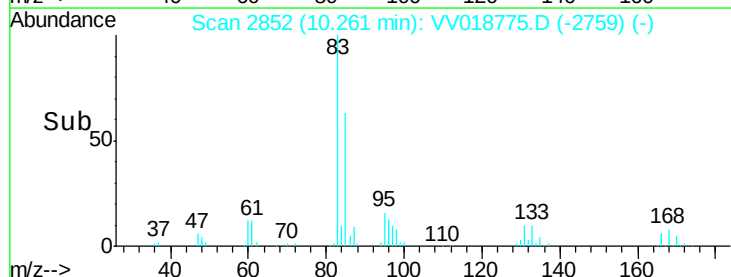
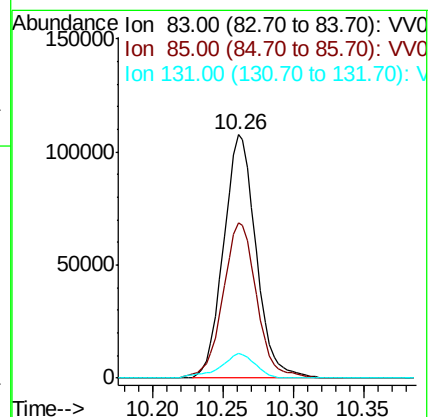
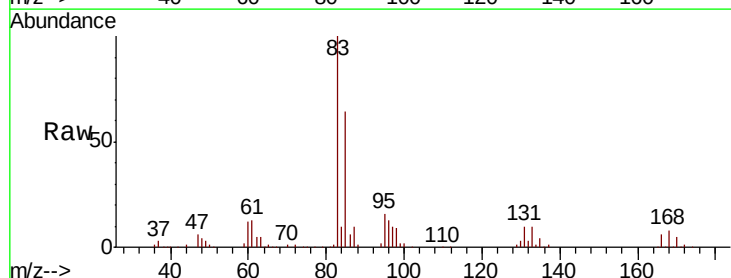
Tgt Ion: 83 Resp: 172596

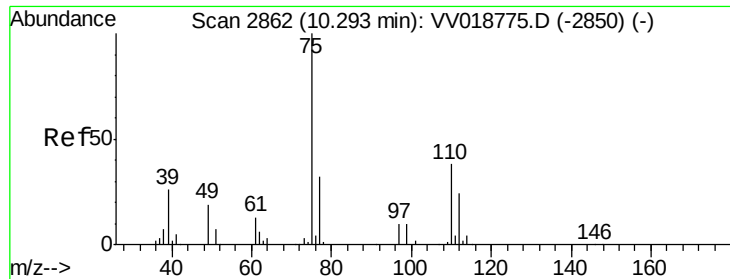
Ion Ratio Lower Upper

83 100

85 63.6 44.5 82.7

131 10.0 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 52.996 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

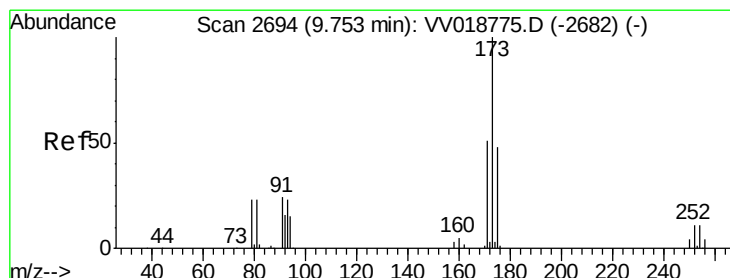
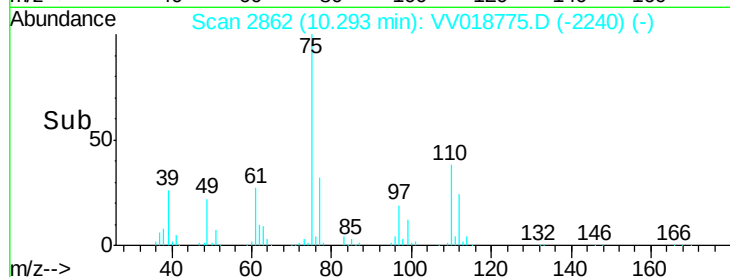
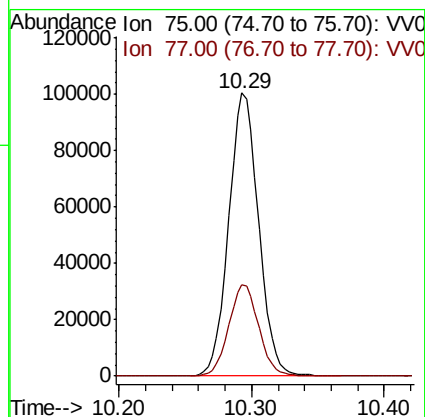
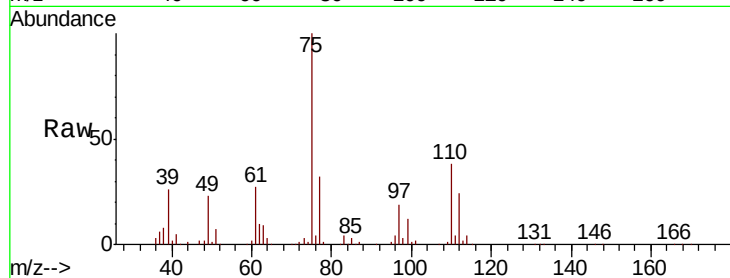
VSTD05062

Tot Ion: 75 Resp: 157269

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#61

Bromoform

Concen: 49.193 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

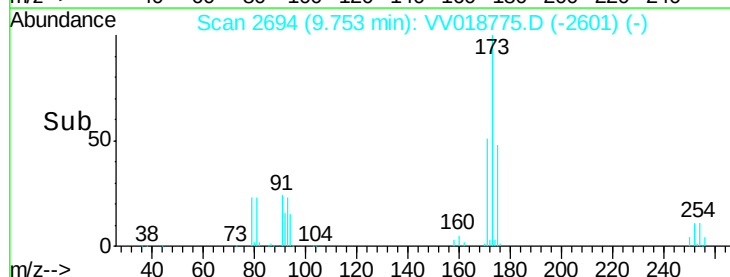
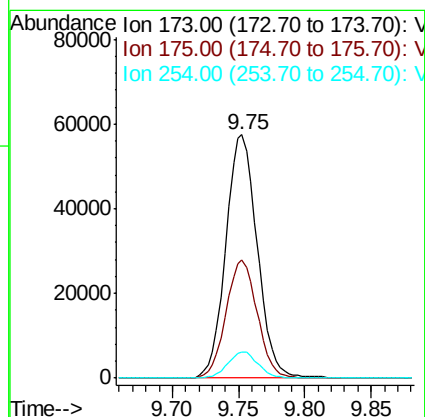
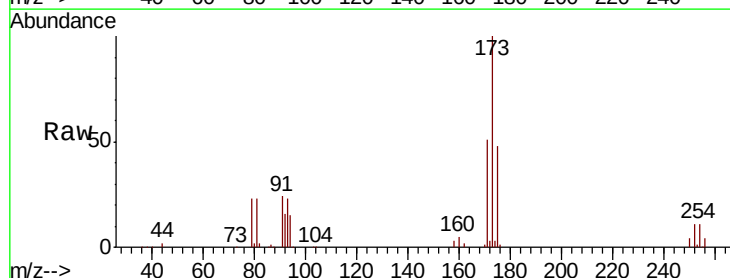
Tgt Ion: 173 Resp: 94486

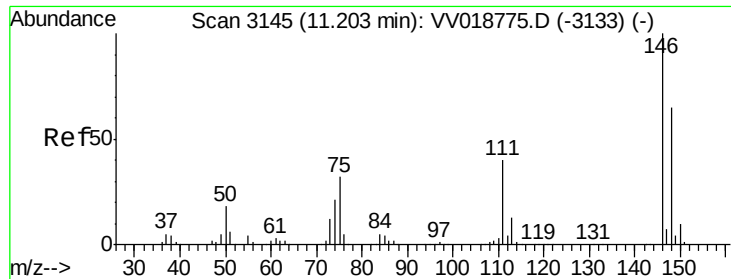
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 10.3 8.2 12.4





#62

1,3-Dichlorobenzene

Concen: 48.557 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

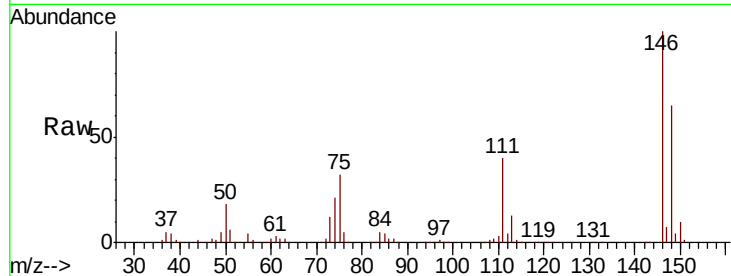
Tot Ion:146 Resp: 262870

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

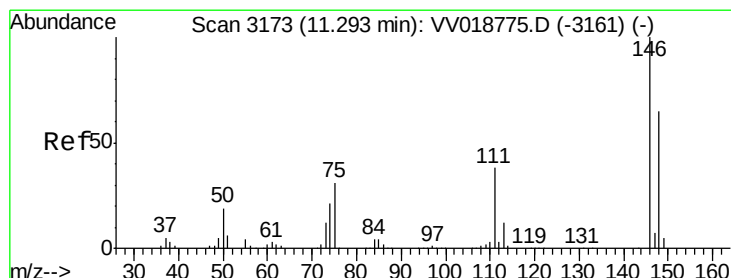
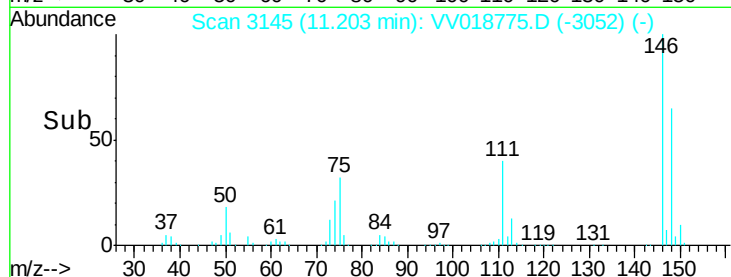
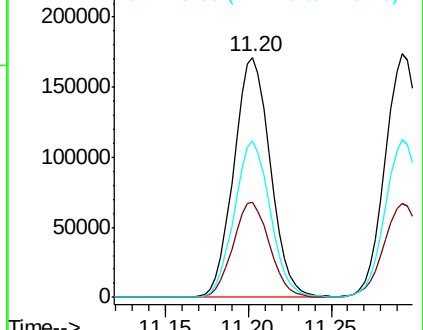
148 64.9 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.158 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

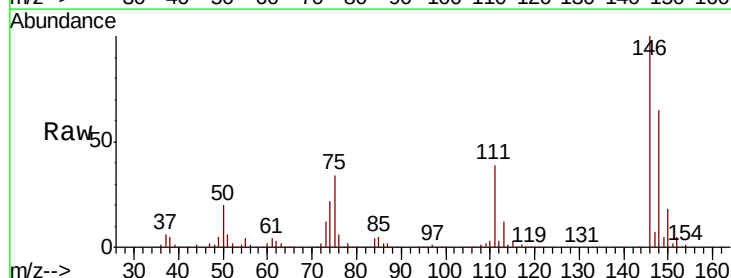
Tgt Ion:146 Resp: 268710

Ion Ratio Lower Upper

146 100

111 38.7 27.1 50.3

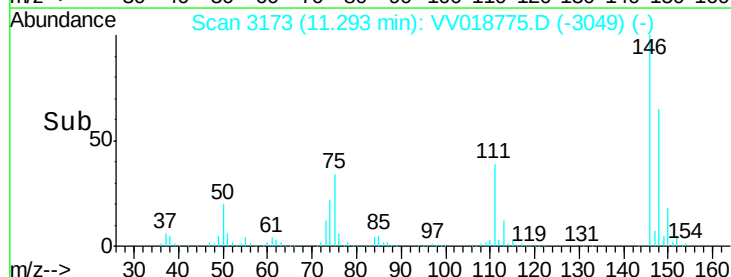
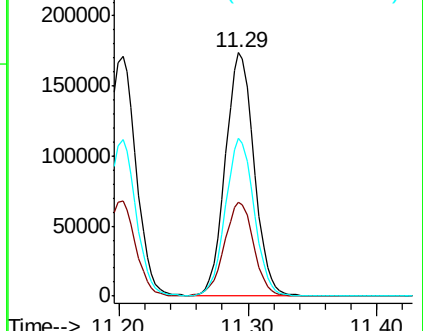
148 64.9 45.4 84.4

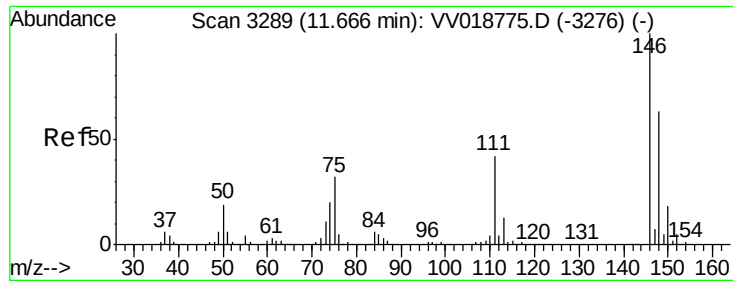


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.639 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

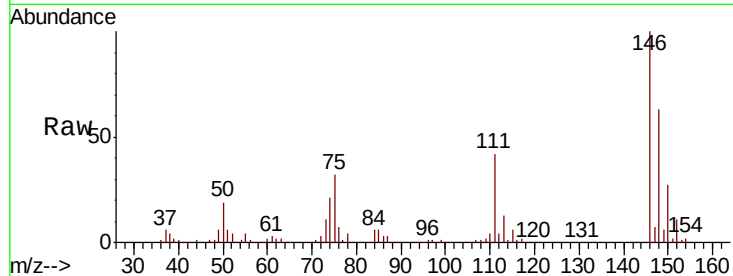
Tot Ion:146 Resp: 261673

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.6

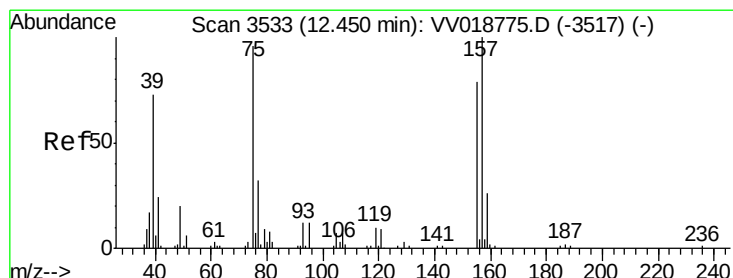
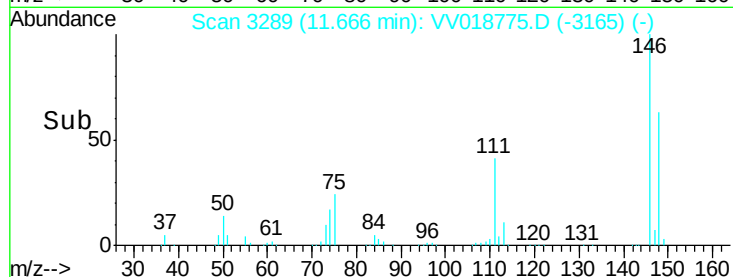
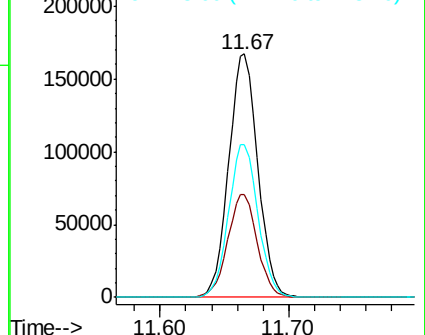
148 62.9 50.3 75.5



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: 48.587 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

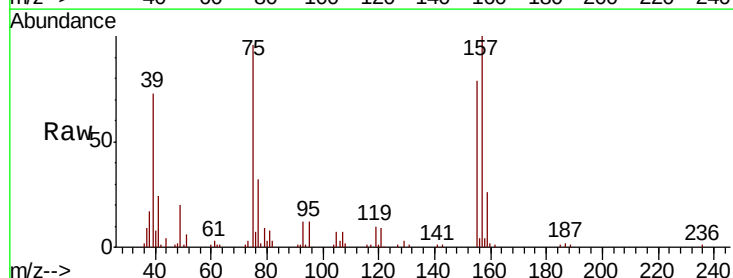
Tgt Ion: 75 Resp: 35164

Ion Ratio Lower Upper

75 100

155 82.3 65.8 98.8

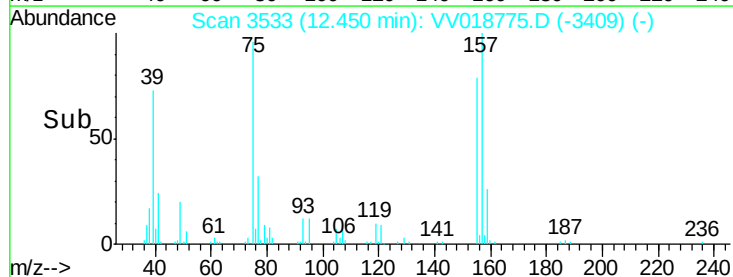
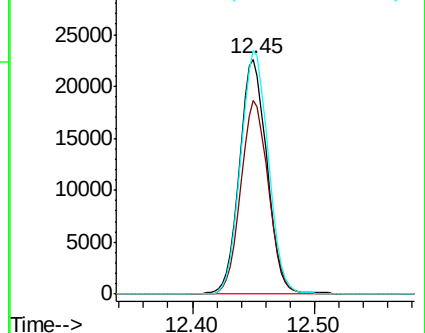
157 103.8 83.0 124.6

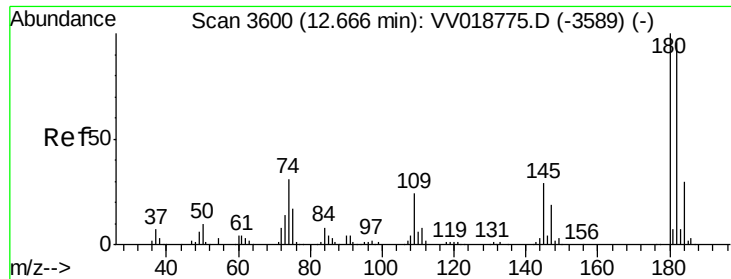


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

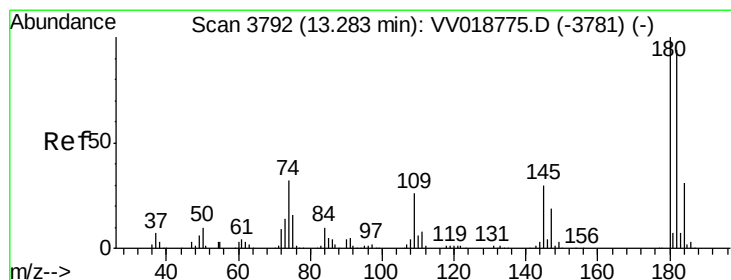
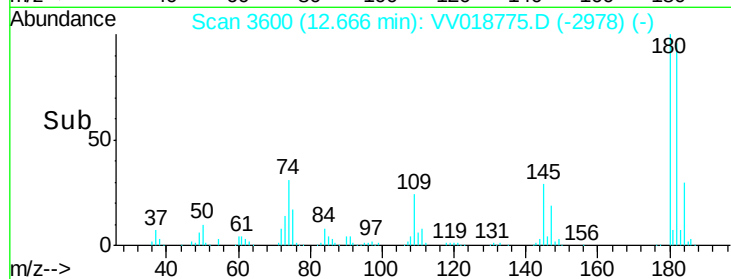
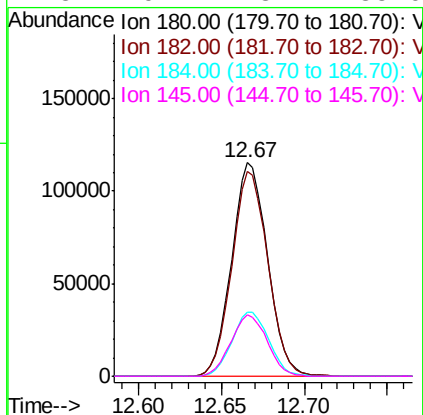
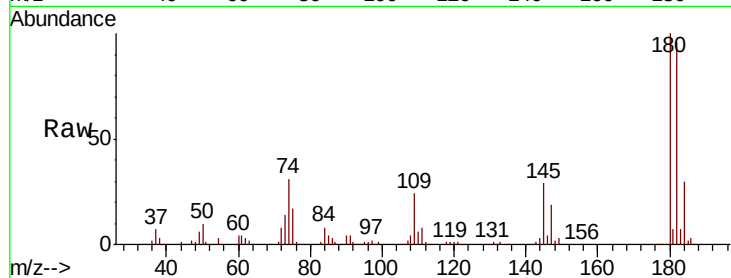




#67
 1,3,5-Trichlorobenzene
 Concen: 46.851 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018775.D
 Acq: 08 Oct 2020 20:40

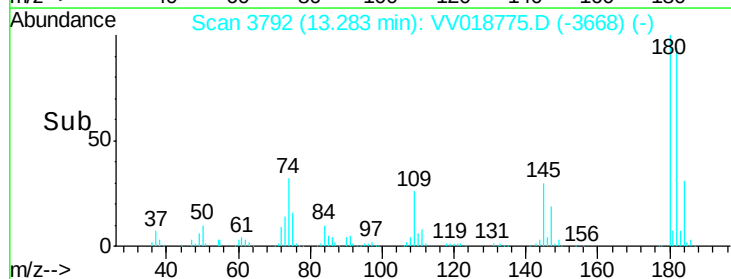
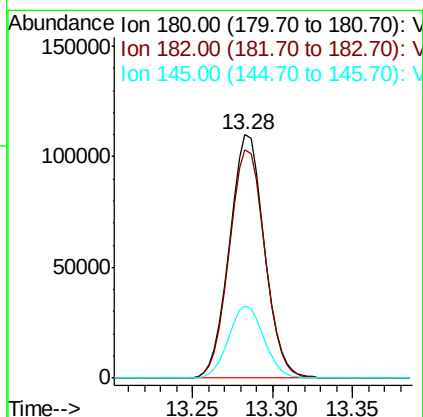
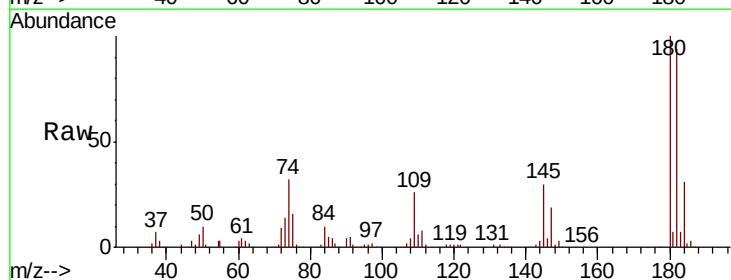
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

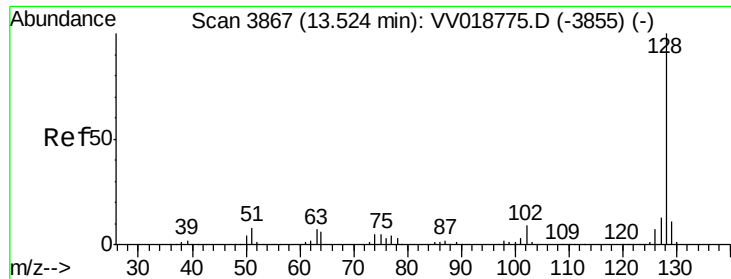
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	30.8	24.6	37.0
145	29.2	23.4	35.0



#68
 1,2,4-trichlorobenzene
 Concen: 47.419 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018775.D
 Acq: 08 Oct 2020 20:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	30.0	24.0	36.0





#69

Naphthalene

Concen: 49.581 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

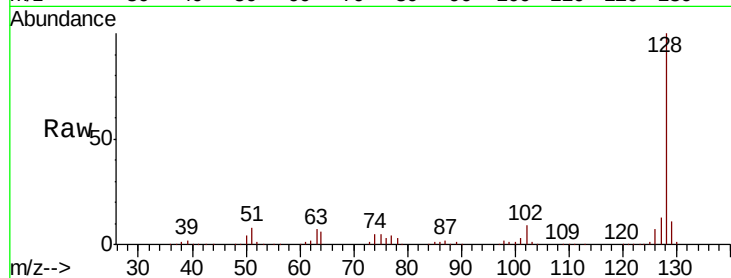
Tot Ion:128 Resp: 486959

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

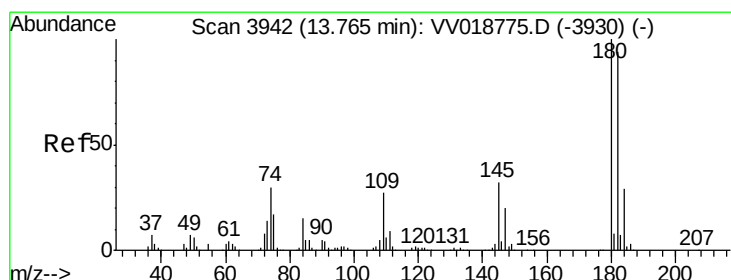
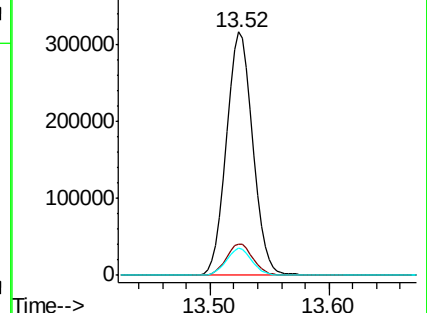
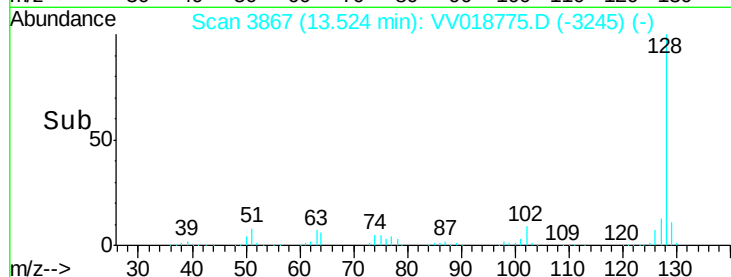
129 10.8 8.6 13.0



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: 47.989 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018775.D

Acq: 08 Oct 2020 20:40

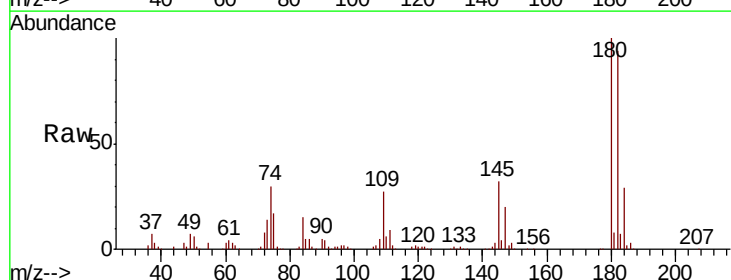
Tgt Ion:180 Resp: 166124

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 31.5 25.2 37.8



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

