

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081020\
 Data File : VV017909.D
 Acq On : 10 Aug 2020 20:24
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Quant Time: Aug 11 01:20:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM080820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:17:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	247163	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239752	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	133350	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	50353	39.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.90%
7) Chloroethane-d5	1.58	69	53003	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.76%
11) 1,1-Dichloroethene-d2	2.12	63	151717	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.94%
21) 2-Butanone-d5	3.91	46	82220	102.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.87%
24) Chloroform-d	4.37	84	158129	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
26) 1,2-Dichloroethane-d4	5.05	65	117694	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
32) Benzene-d6	5.07	84	258079	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
36) 1,2-Dichloropropane-d6	6.09	67	67762	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.34	98	259630	46.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.32%
43) trans-1,3-Dichloropropene-	7.64	79	46934	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.84%
47) 2-Hexanone-d5	8.11	63	53542	105.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	106524	48.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	131292	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	92480	47.060	ug/L 99
3) Chloromethane	1.25	50	56615	45.538	ug/L 97
5) Vinyl chloride	1.32	62	65519	45.369	ug/L 98
6) Bromomethane	1.53	94	47508	48.363	ug/L 100
8) Chloroethane	1.59	64	51289	56.274	ug/L 98
9) Trichlorofluoromethane	1.76	101	189017	53.182	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	81745	51.767	ug/L 98
12) 1,1-Dichloroethene	2.13	96	75232	51.666	ug/L 93
13) Acetone	2.19	43	69092	66.427	ug/L 99
14) Carbon disulfide	2.31	76	172263	51.329	ug/L 99
15) Methyl Acetate	2.45	43	58230	50.760	ug/L 97
16) Methylene chloride	2.52	84	75766	49.486	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	71419	48.055	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	262240	51.253	ug/L 100
19) 1,1-Dichloroethane	3.21	63	121508	49.540	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	80389	50.082	ug/L 99
22) 2-Butanone	3.99	43	82293	91.137	ug/L 98

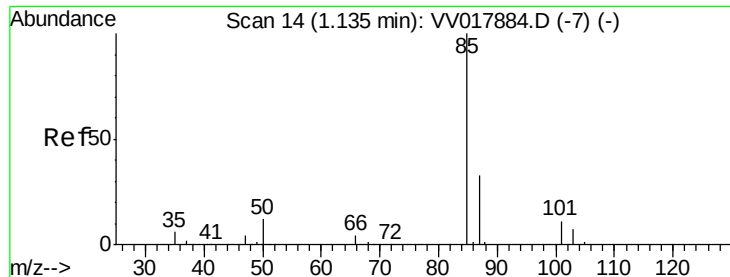
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	47272	49.286	ug/L	97
25) Chloroform	4.40	83	156114	49.471	ug/L	96
27) 1,2-Dichloroethane	5.15	62	145449	51.055	ug/L	99
29) Cyclohexane	4.70	56	90095	47.167	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	161944	48.257	ug/L	100
31) Carbon tetrachloride	4.85	117	147133	49.117	ug/L	97
33) Benzene	5.13	78	274679	48.443	ug/L	100
34) Trichloroethene	5.94	95	84485	49.322	ug/L	97
35) Methylcyclohexane	6.15	83	113308	46.449	ug/L	99
37) 1,2-Dichloropropane	6.20	63	62485	50.391	ug/L	98
38) Bromodichloromethane	6.53	83	116785	51.864	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	115654	54.233	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	166059	102.651	ug/L	96
42) Toluene	7.41	91	319325	48.319	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	122449	54.635	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	79760	51.117	ug/L	98
46) Tetrachloroethene	8.00	164	75999	47.073	ug/L	96
48) 2-Hexanone	8.16	43	135303	99.901	ug/L	99
49) Dibromochloromethane	8.27	129	97935	56.394	ug/L	95
50) 1,2-Dibromoethane	8.37	107	85437	49.678	ug/L	99
51) Chlorobenzene	8.90	112	229121	49.836	ug/L	99
52) Ethylbenzene	9.03	91	373796	49.227	ug/L	99
53) m,p-Xylene	9.16	106	146449	49.617	ug/L	100
54) o-xylene	9.56	106	142242	49.071	ug/L	98
55) Styrene	9.58	104	247661	49.824	ug/L	97
56) Isopropylbenzene	9.95	105	393366	49.098	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	105201	50.057	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	96866	50.730	ug/L	100
61) Bromoform	9.75	173	70927	61.889	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	199961	49.045	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	201929	48.762	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	209393	50.479	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	29955	55.171	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	160511	48.438	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	150173	51.742	ug/L	100
69) Naphthalene	13.52	128	406058	54.789	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	155598	53.112	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.060 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

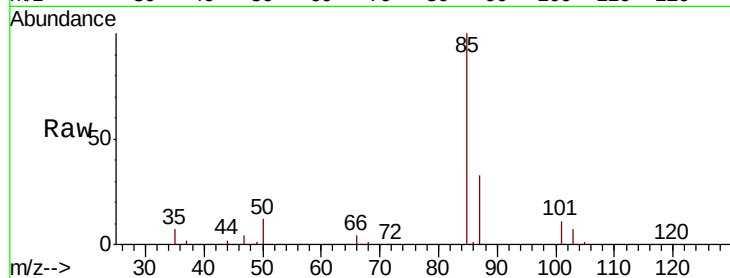
VSTD05096

Tot Ion: 85 Resp: 92480

Ion Ratio Lower Upper

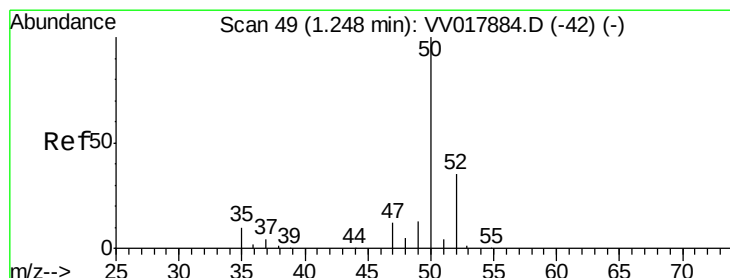
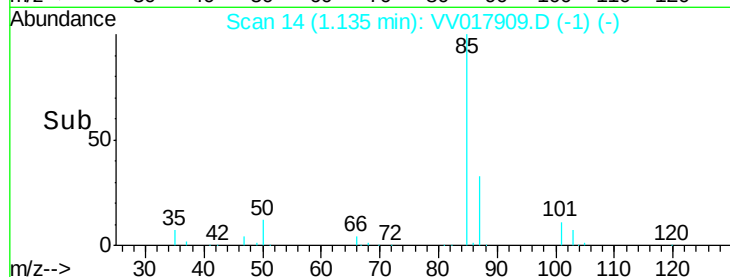
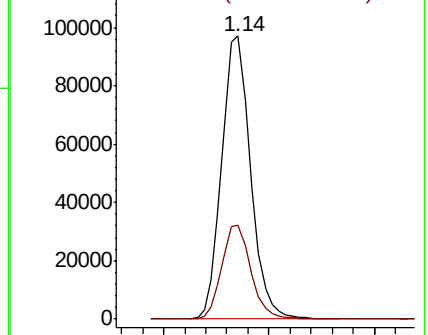
85 100

87 33.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.538 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017909.D

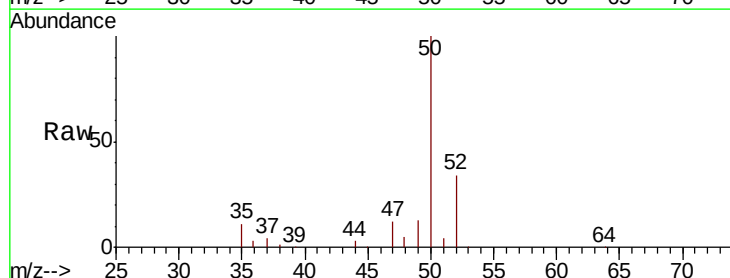
Acq: 10 Aug 2020 20:24

Tgt Ion: 50 Resp: 56615

Ion Ratio Lower Upper

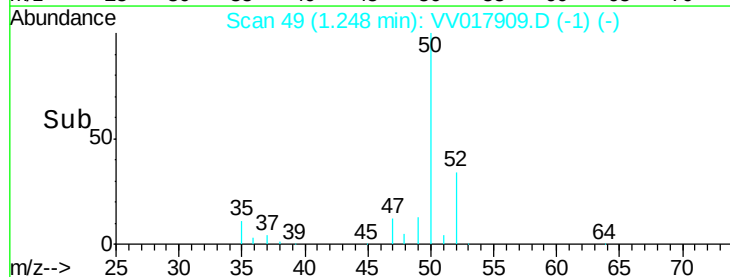
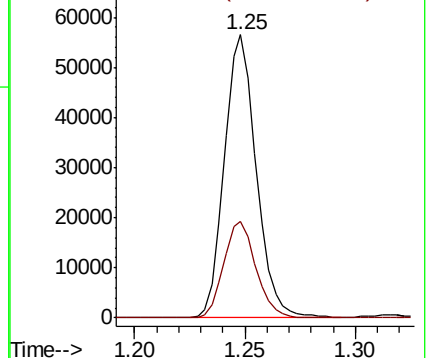
50 100

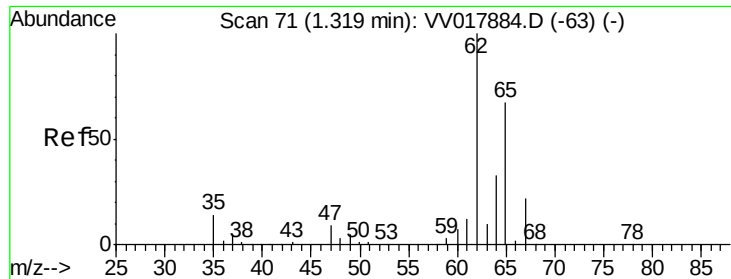
52 34.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.369 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleID :

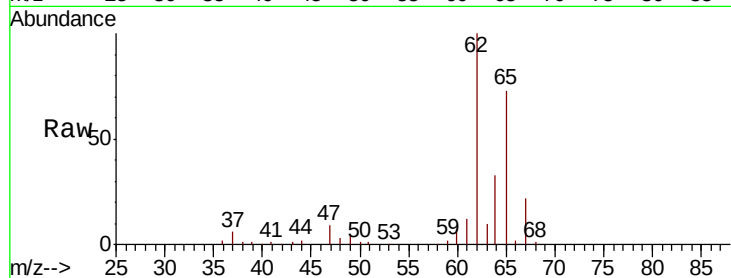
VSTD05096

Tot Ion: 62 Resp: 65519

Ion Ratio Lower Upper

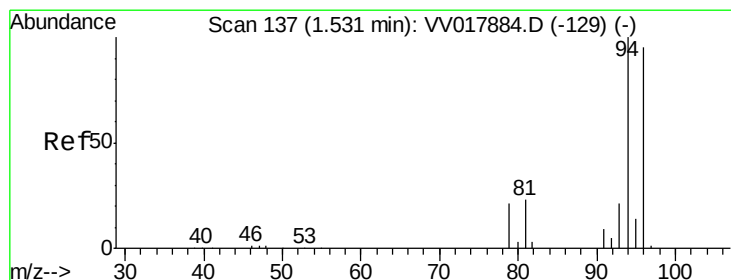
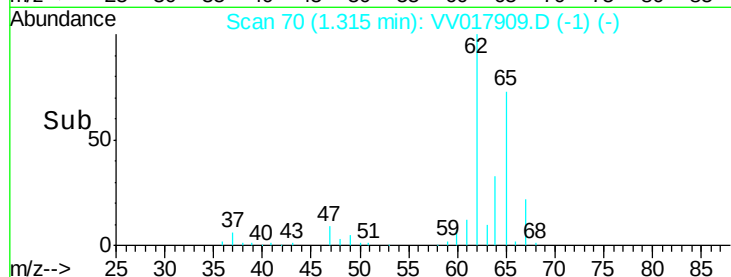
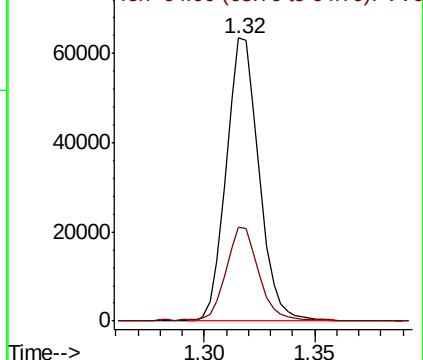
62 100

64 33.4 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 48.363 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017909.D

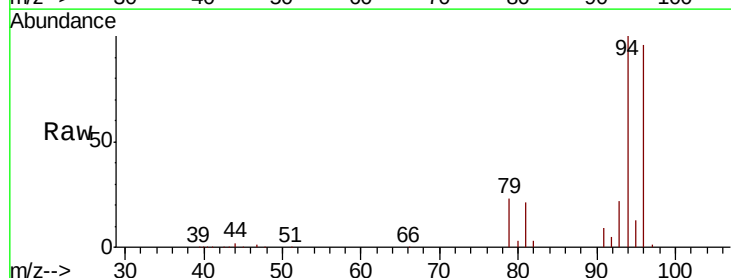
Acq: 10 Aug 2020 20:24

Tgt Ion: 94 Resp: 47508

Ion Ratio Lower Upper

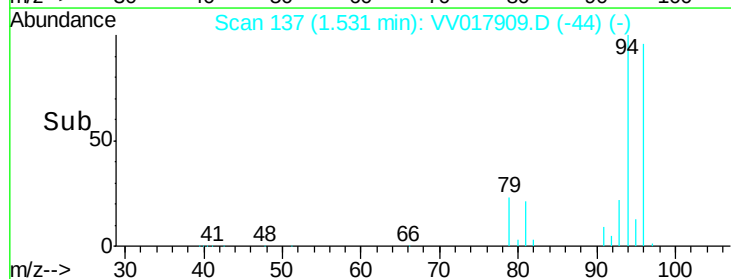
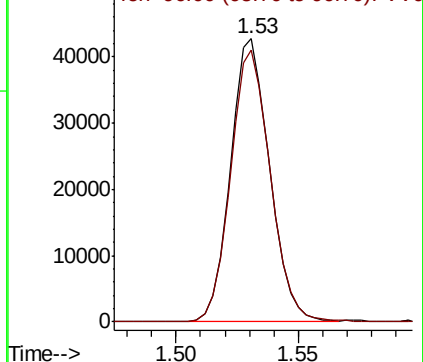
94 100

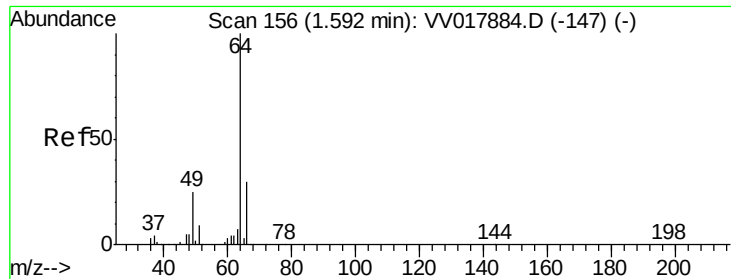
96 96.2 67.5 125.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

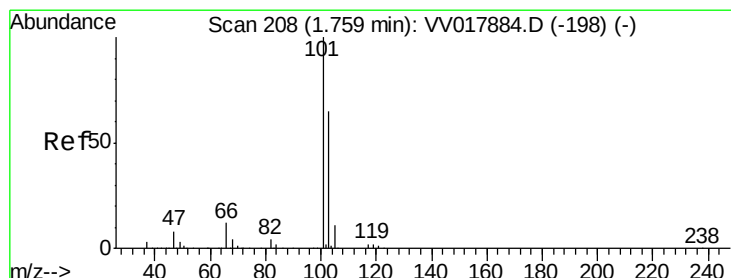
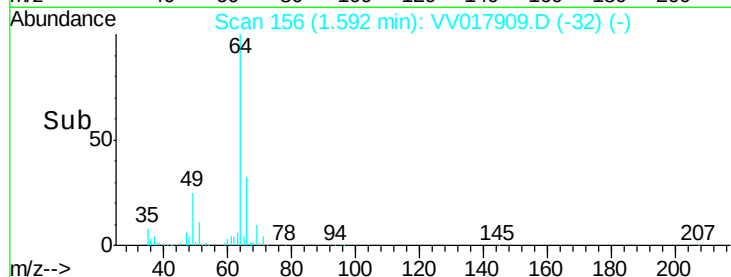
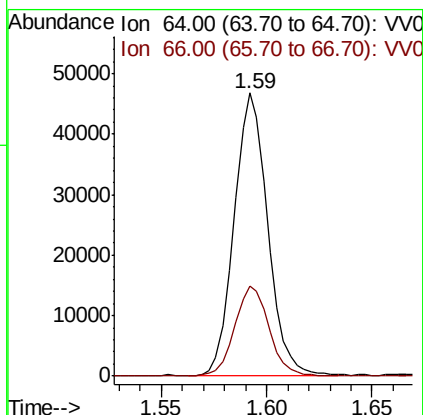
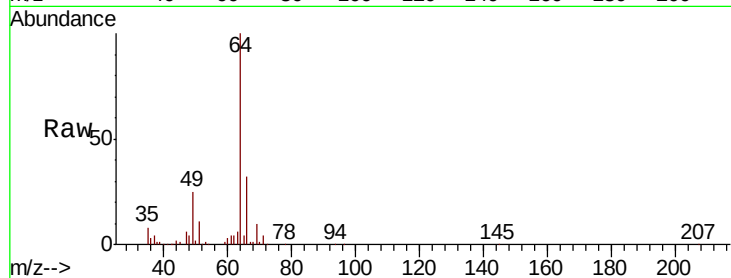




#8
Chloroethane
Concen: 56.274 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

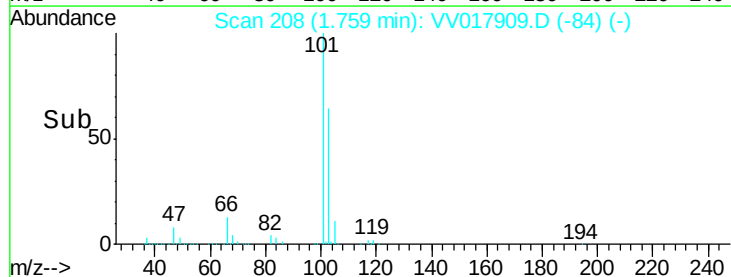
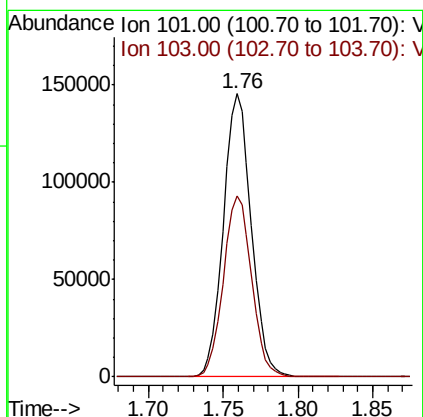
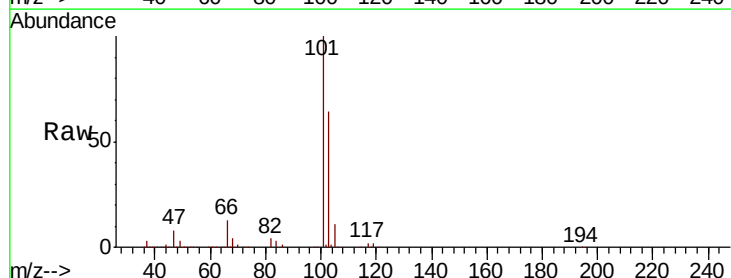
Instrument :
MSVOA_V
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VSTD05096

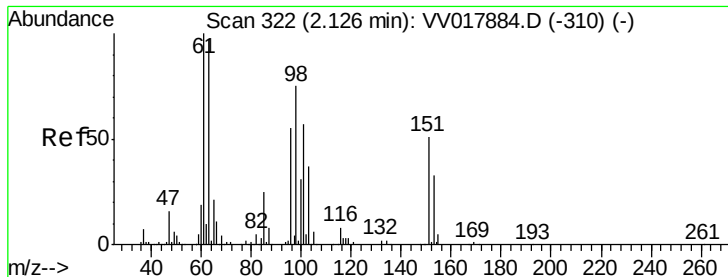
Tot Ion: 64 Resp: 51289
Ion Ratio Lower Upper
64 100
66 31.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 53.182 ug/L
RT: 1.76 min Scan# 208
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 101 Resp: 189017
Ion Ratio Lower Upper
101 100
103 64.7 53.2 79.8





#10

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

Concen: 51.767 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

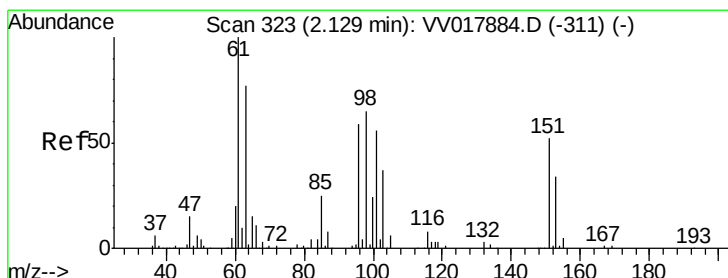
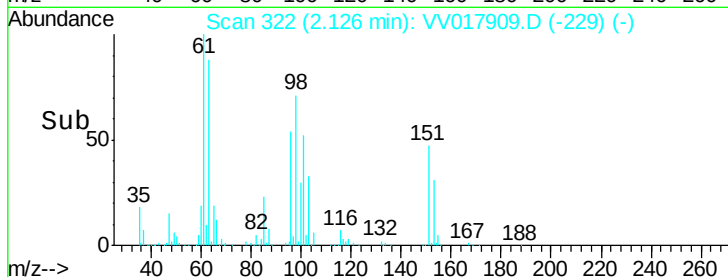
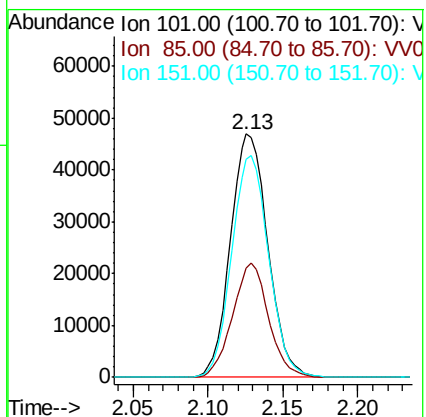
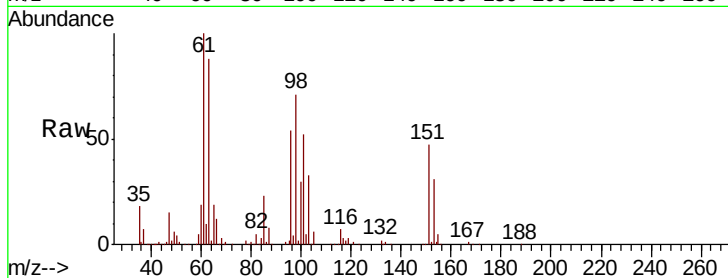
Tot Ion:101 Resp: 81745

Ion Ratio Lower Upper

101 100

85 45.1 35.0 52.6

151 90.0 71.0 106.6



#12

1,1-Dichloroethene

Concen: 51.666 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

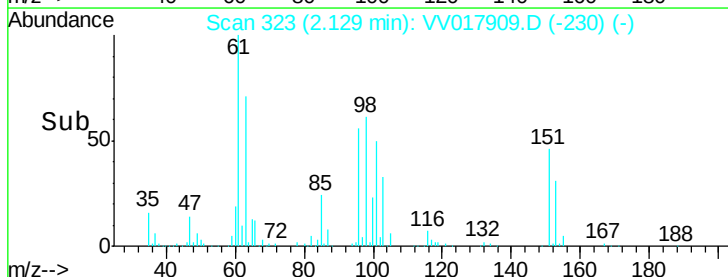
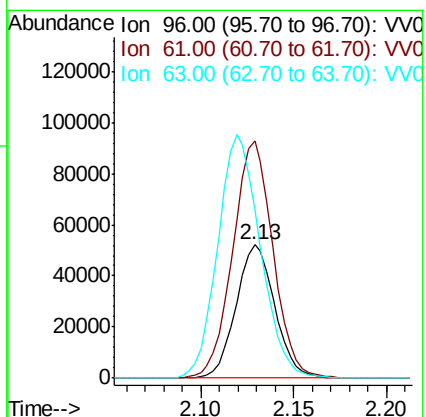
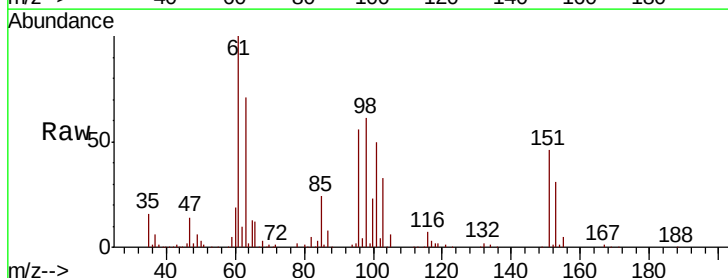
Tgt Ion: 96 Resp: 75232

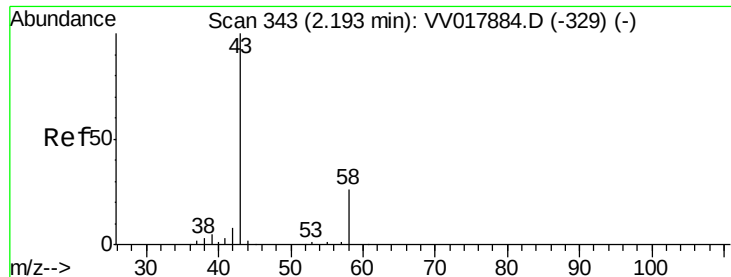
Ion Ratio Lower Upper

96 100

61 178.2 121.1 224.9

63 126.1 98.1 182.1





#13

Acetone

Concen: 66.427 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

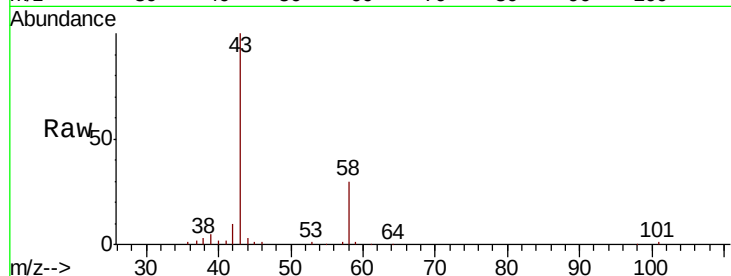
VSTD05096

Tot Ion: 43 Resp: 69092

Ion Ratio Lower Upper

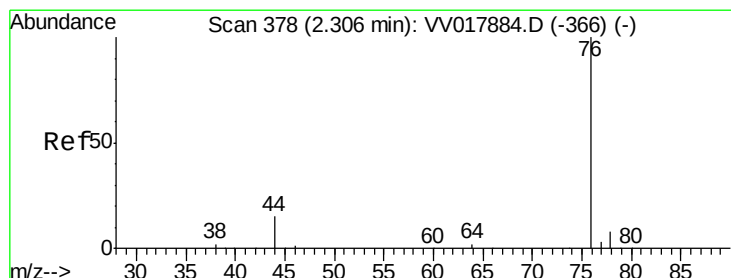
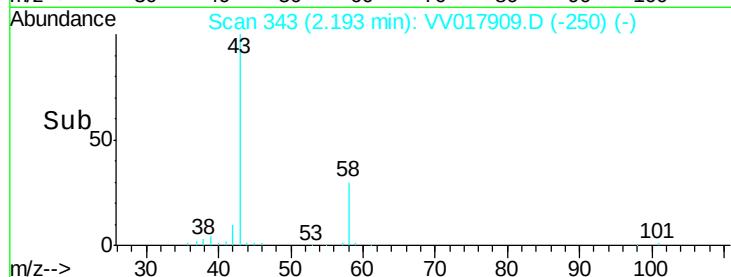
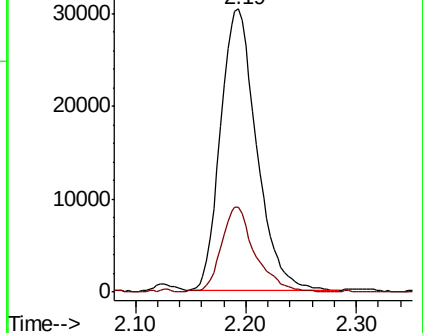
43 100

58 28.1 0.0 54.8



Abundance Ion 43.00 (42.70 to 43.70): VV017884.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017884.D (-329) (-)



#14

Carbon disulfide

Concen: 51.329 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017909.D

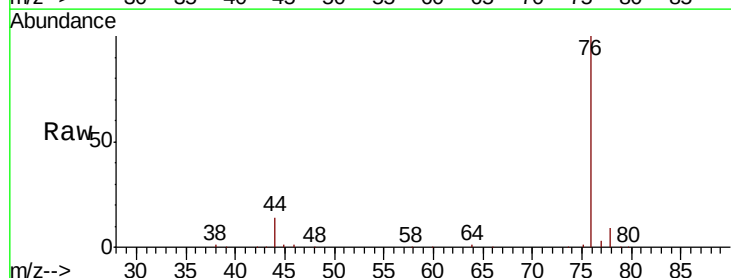
Acq: 10 Aug 2020 20:24

Tgt Ion: 76 Resp: 172263

Ion Ratio Lower Upper

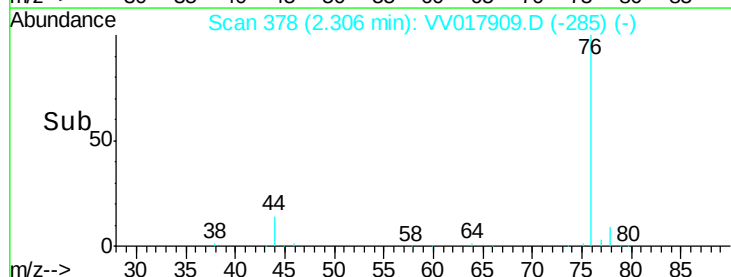
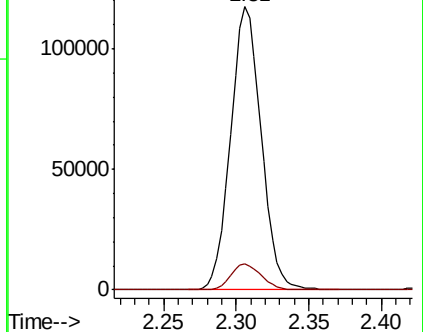
76 100

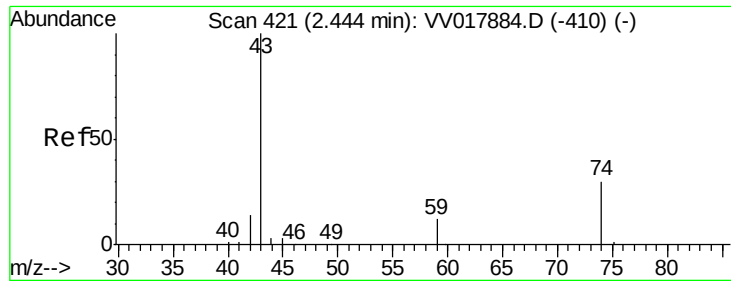
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV017884.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV017884.D (-366) (-)

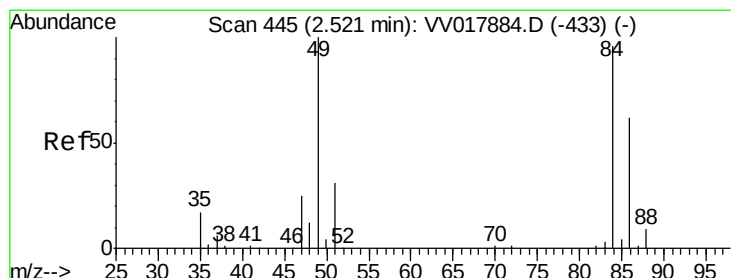
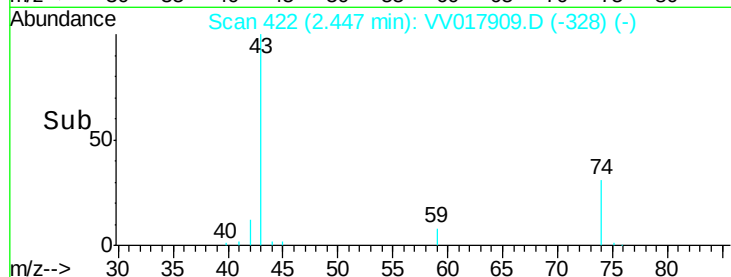
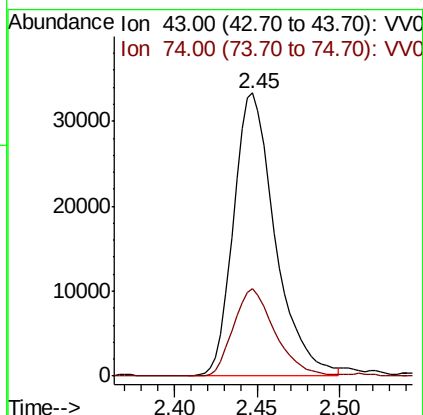
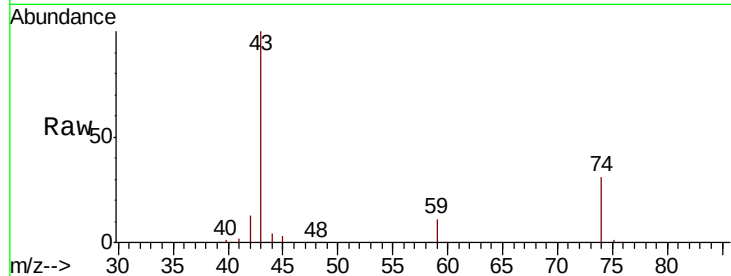




#15
Methvl Acetate
Concen: 50.760 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

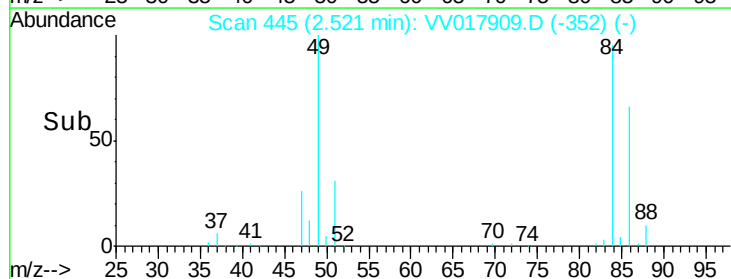
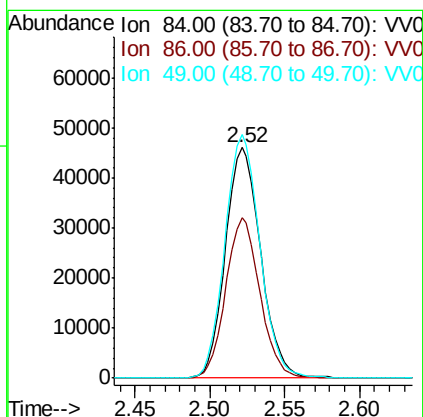
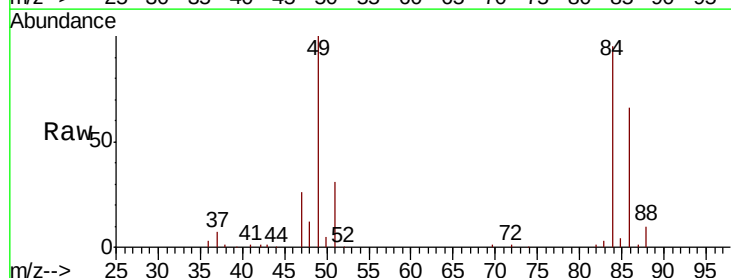
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

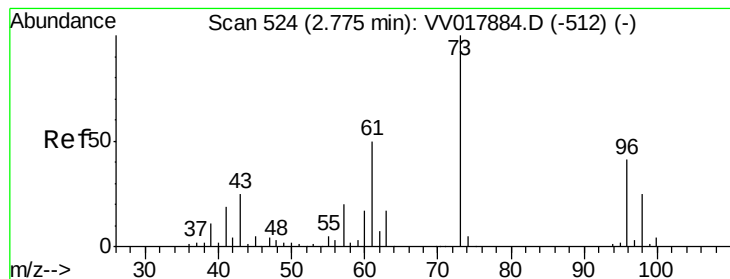
Tot Ion: 43 Resp: 58230
Ion Ratio Lower Upper
43 100
74 30.6 23.0 34.6



#16
Methylene chloride
Concen: 49.486 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 84 Resp: 75766
Ion Ratio Lower Upper
84 100
86 69.4 46.2 85.8
49 105.7 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 48.055 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

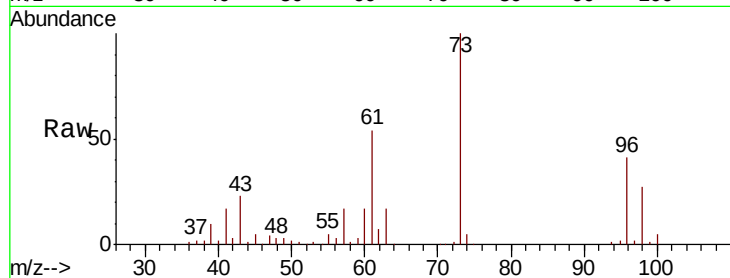
Tot Ion: 96 Resp: 71419

Ion Ratio Lower Upper

96 100

61 132.3 92.4 171.6

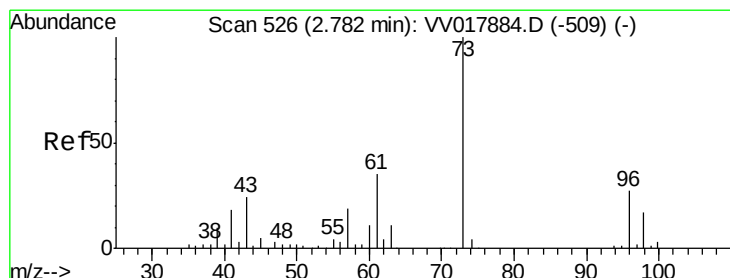
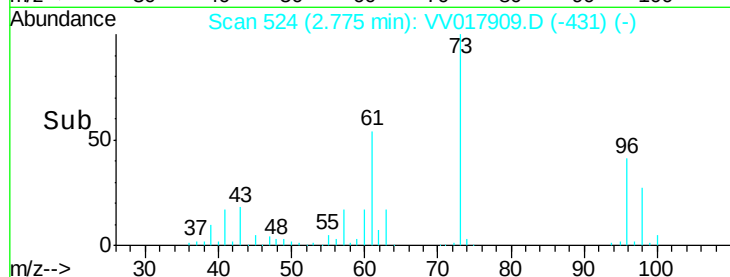
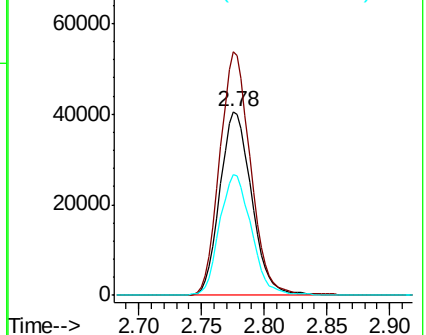
98 65.7 47.5 88.1



Abundance Ion 96.00 (95.70 to 96.70): VV017909.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV017909.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV017909.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 51.253 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

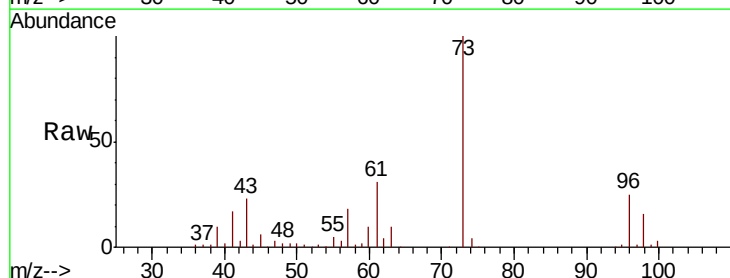
Tgt Ion: 73 Resp: 262240

Ion Ratio Lower Upper

73 100

43 22.9 18.1 27.1

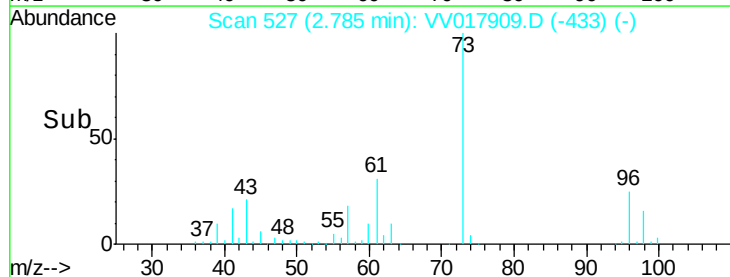
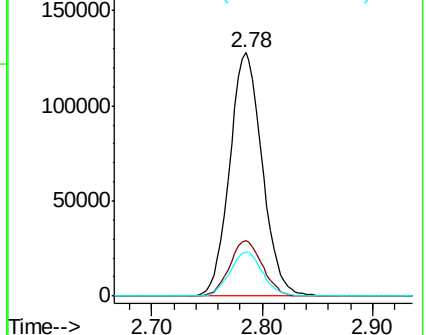
57 18.1 14.5 21.7

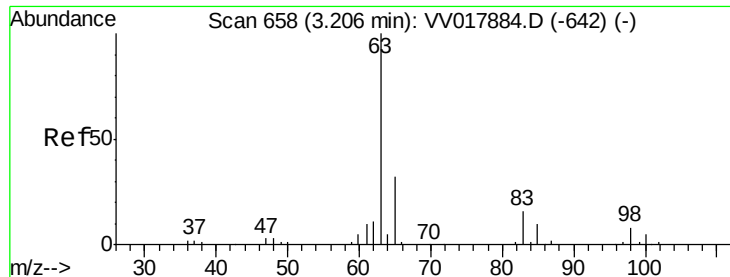


Abundance Ion 73.00 (72.70 to 73.70): VV017909.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV017909.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV017909.D (-433) (-)

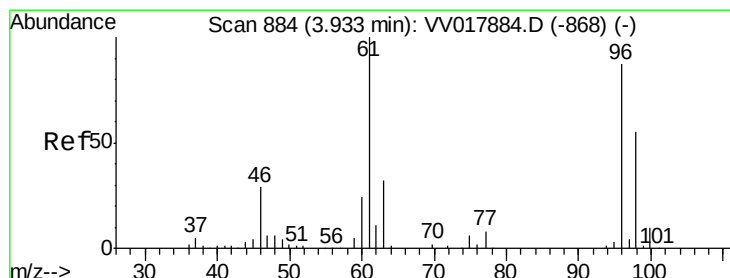
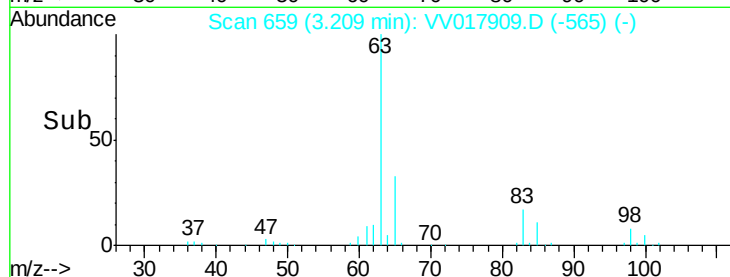
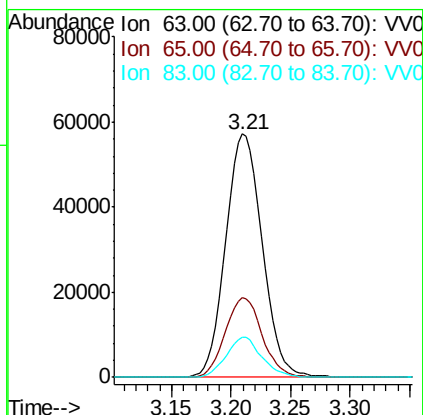
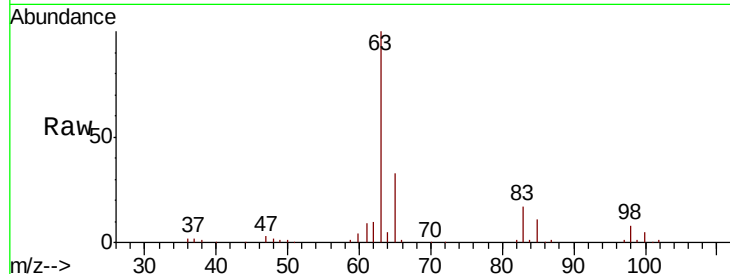




#19
 1,1-Dichloroethane
 Concen: 49.540 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

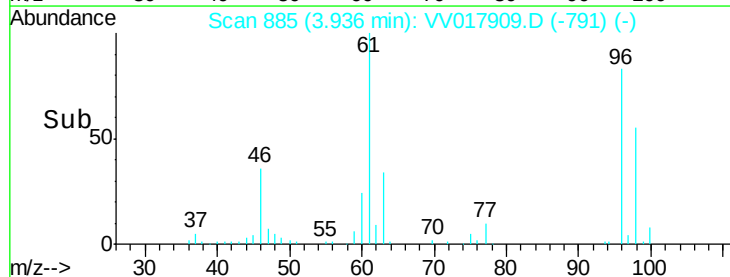
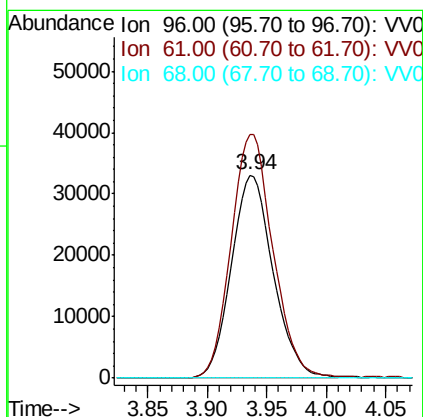
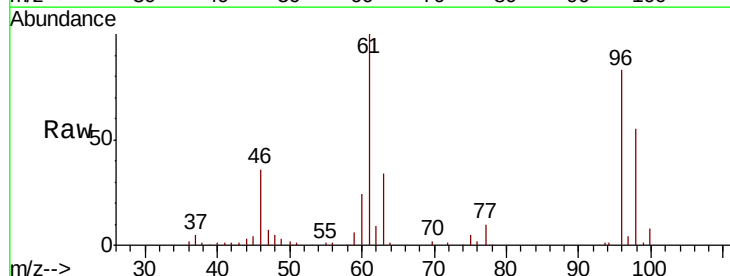
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

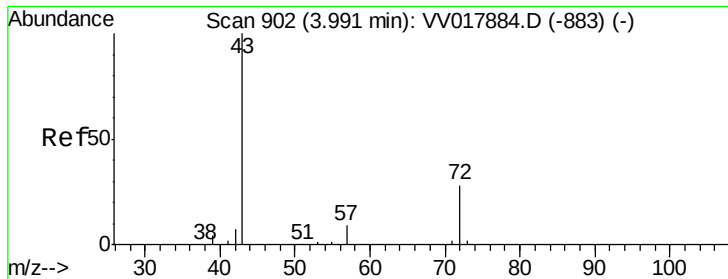
Tot Ion: 63 Resp: 121508
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.4 43.6
 83 16.7 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 50.082 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion: 96 Resp: 80389
 Ion Ratio Lower Upper
 96 100
 61 119.8 84.4 156.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.137 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

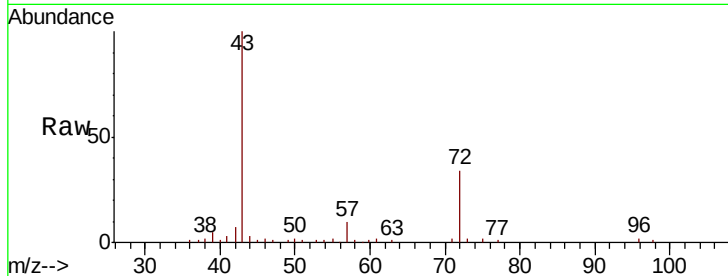
VSTD05096

Tot Ion: 43 Resp: 82293

Ion Ratio Lower Upper

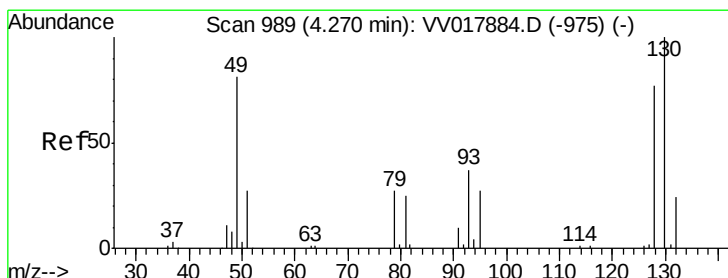
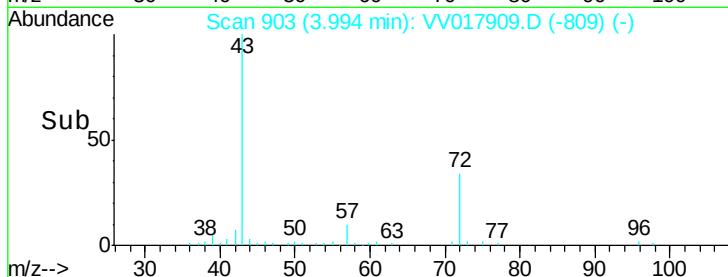
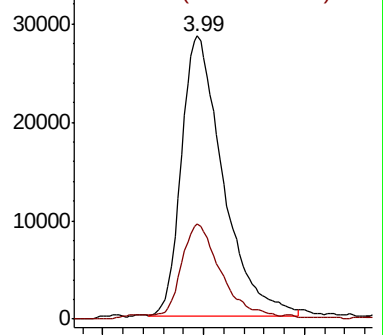
43 100

72 28.9 14.9 44.7



Abundance Ion 43.00 (42.70 to 43.70): VV017884.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV017884.D (-883) (-)



#23

Bromochloromethane

Concen: 49.286 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Tgt Ion: 128 Resp: 47272

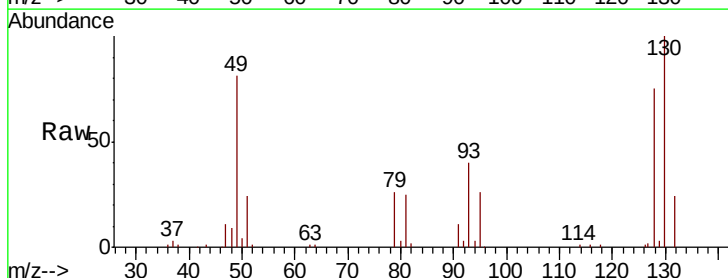
Ion Ratio Lower Upper

128 100

49 107.8 73.7 136.9

130 132.8 89.3 165.9

51 32.5 27.2 40.8

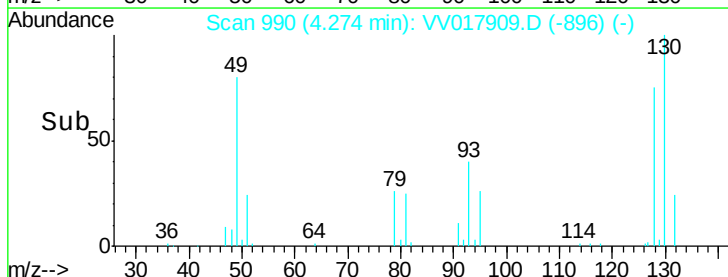
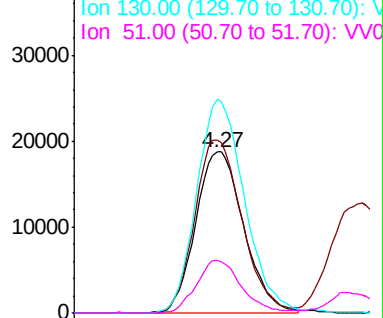


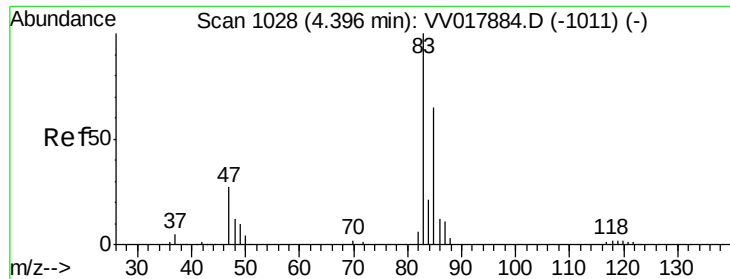
Abundance Ion 128.00 (127.70 to 128.70): VV017884.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV017884.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV017884.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV017884.D (-975) (-)

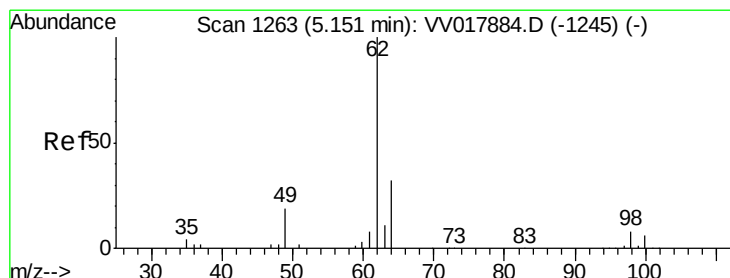
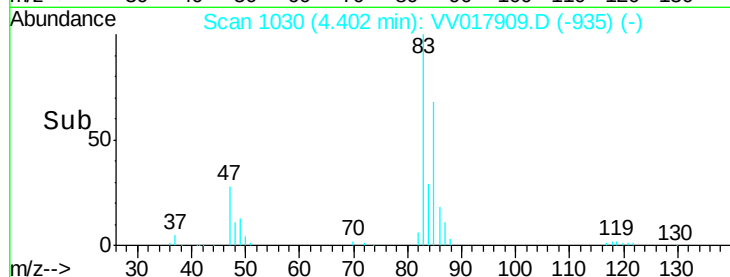
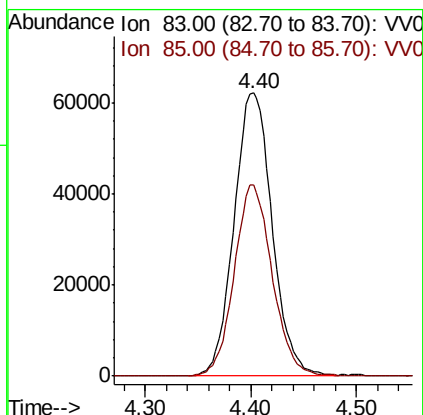
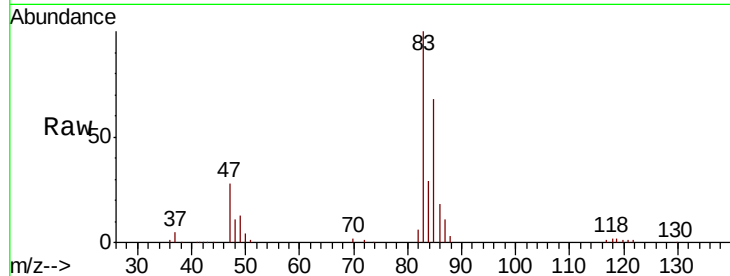




#25
Chloroform
Concen: 49.471 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

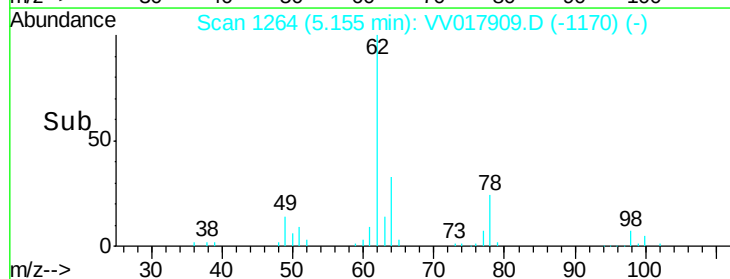
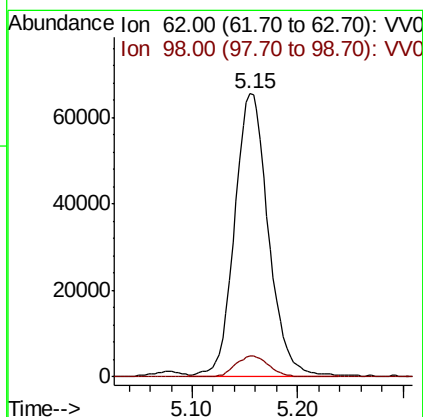
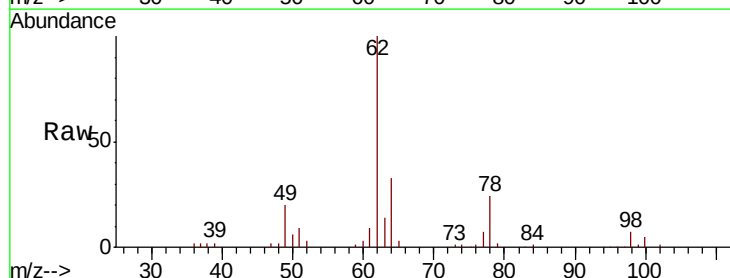
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

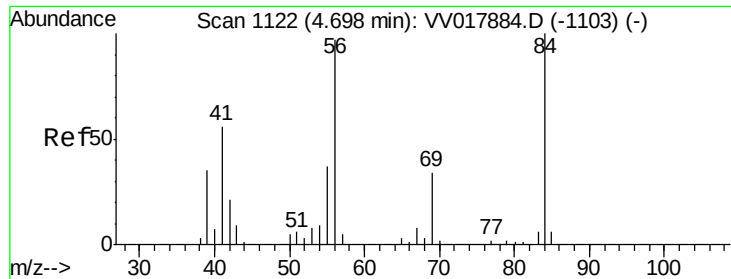
Tot Ion: 83 Resp: 156114
Ion Ratio Lower Upper
83 100
85 67.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 51.055 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 62 Resp: 145449
Ion Ratio Lower Upper
62 100
98 7.3 6.2 9.4

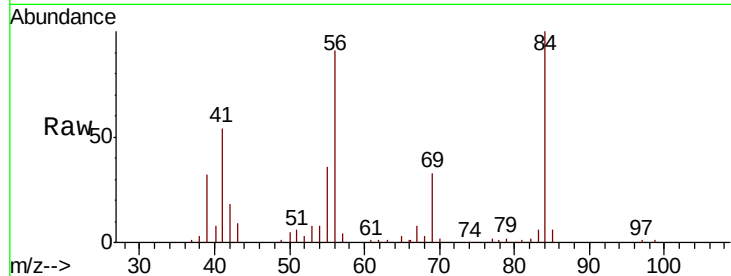




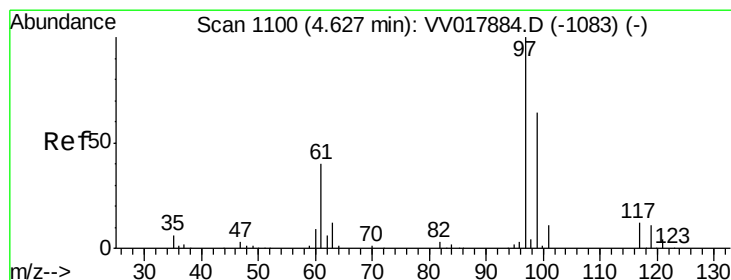
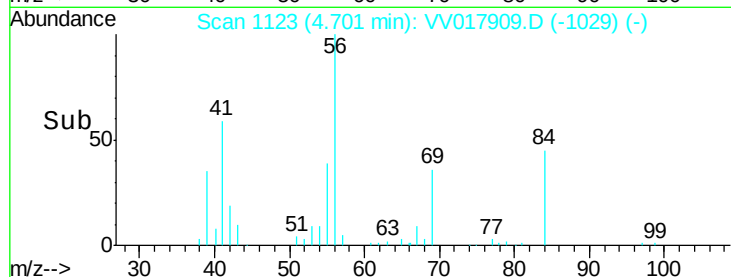
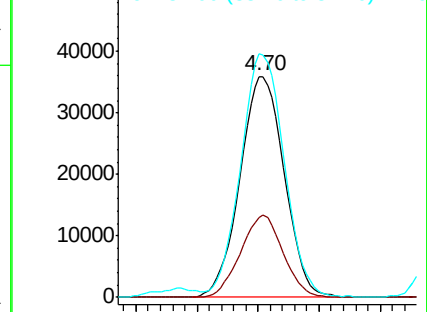
#29
Cyclohexane
Concen: 47.167 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion: 56 Resp: 90095
Ion Ratio Lower Upper
56 100
69 35.7 29.6 44.4
84 108.4 88.5 132.7

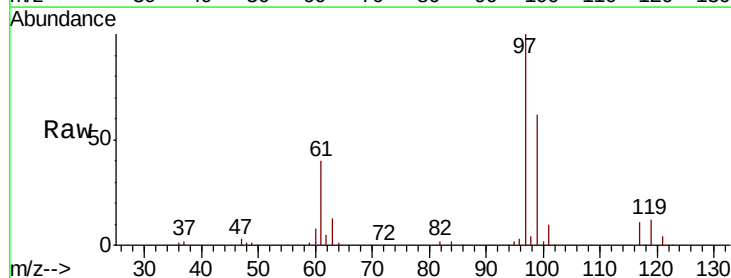


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

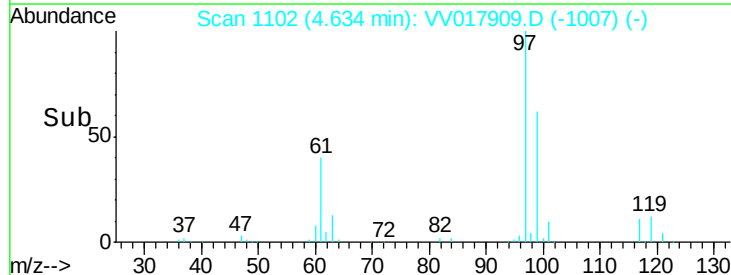
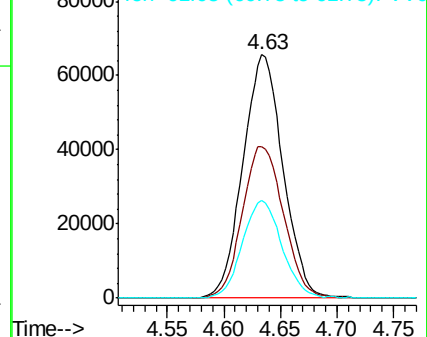


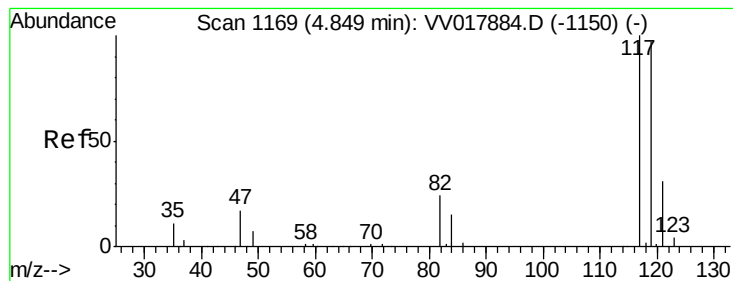
#30
1,1,1-Trichloroethane
Concen: 48.257 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 97 Resp: 161944
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.6
61 39.3 31.5 47.3



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: 49.117 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

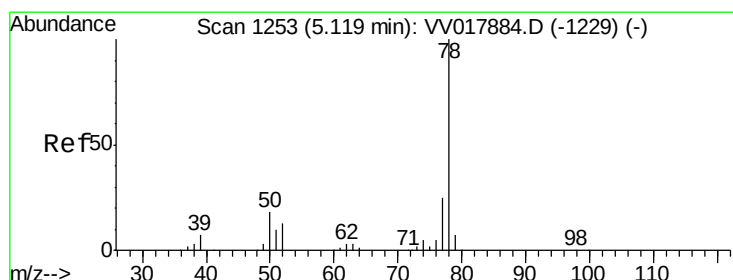
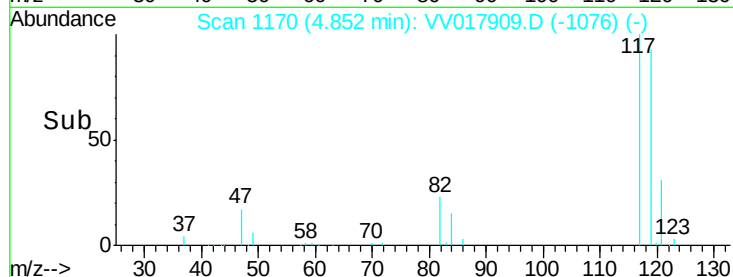
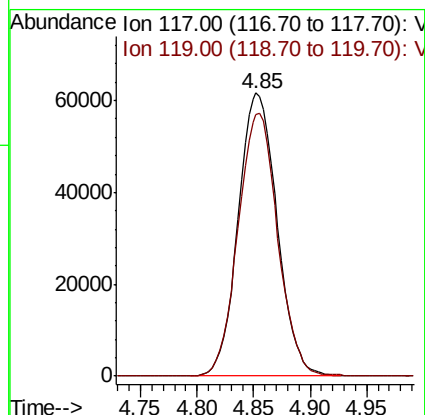
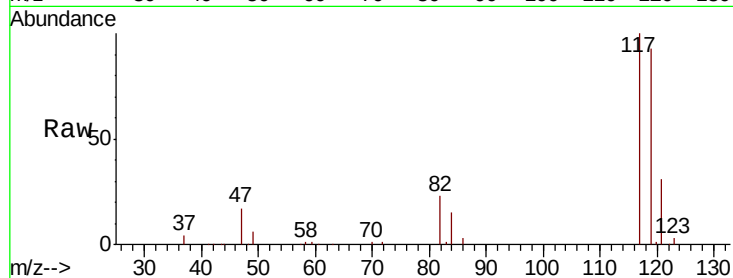
VSTD05096

Tot Ion:117 Resp: 147133

Ion Ratio Lower Upper

117 100

119 94.6 78.2 117.4



#33

Benzene

Concen: 48.443 ug/L

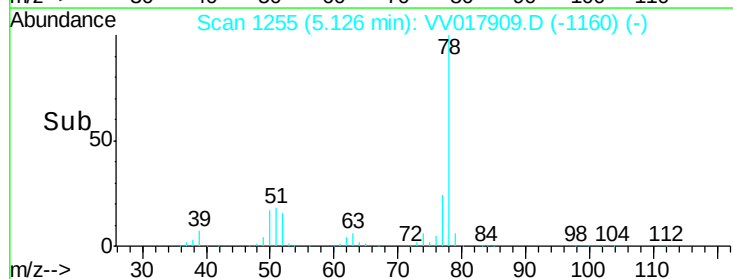
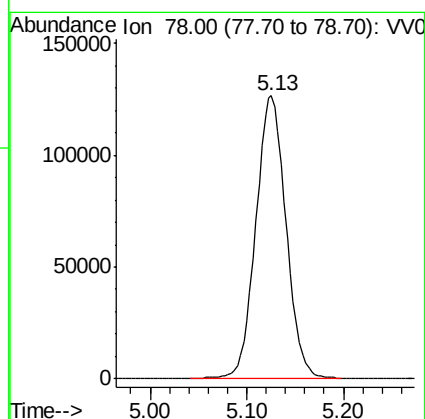
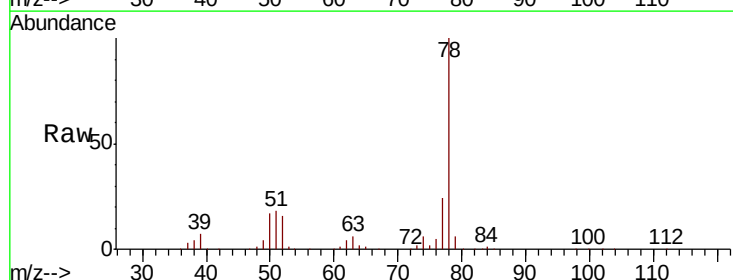
RT: 5.13 min Scan# 1255

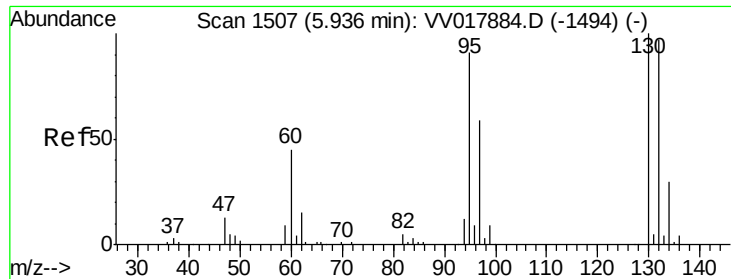
Delta R.T. 0.01 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Tgt Ion: 78 Resp: 274679





#34

Trichloroethene

Concen: 49.322 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

Tot Ion: 95 Resp: 84485

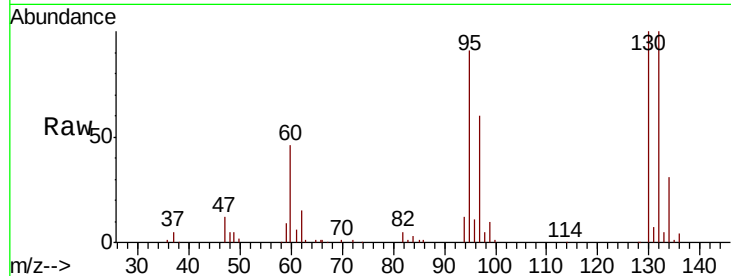
Ion Ratio Lower Upper

95 100

97 65.8 44.7 83.1

132 109.6 73.6 136.8

130 109.2 77.6 144.0

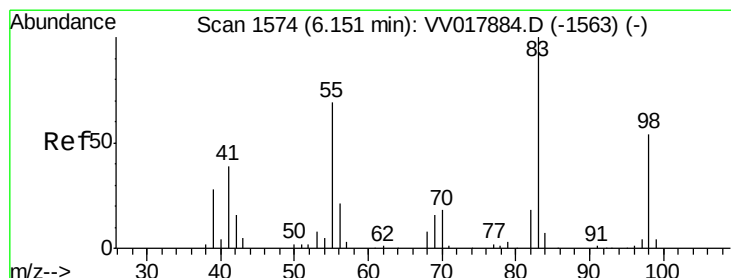
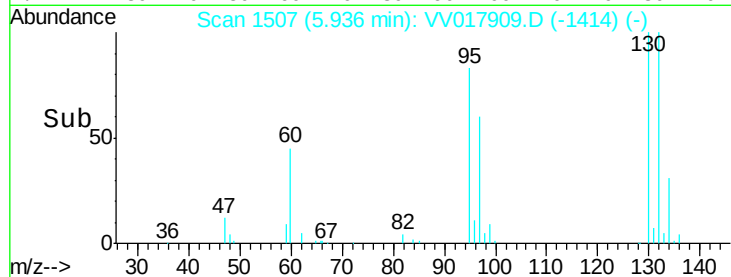
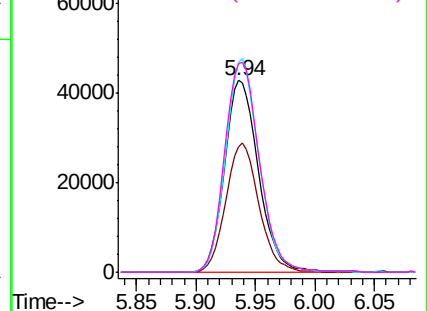


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 46.449 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

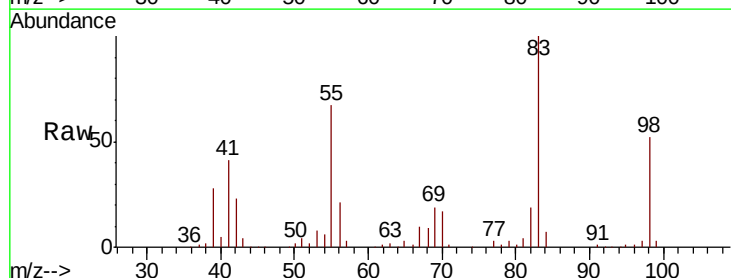
Tgt Ion: 83 Resp: 113308

Ion Ratio Lower Upper

83 100

55 67.4 54.6 82.0

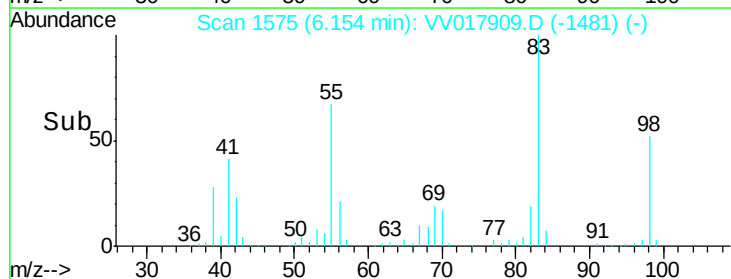
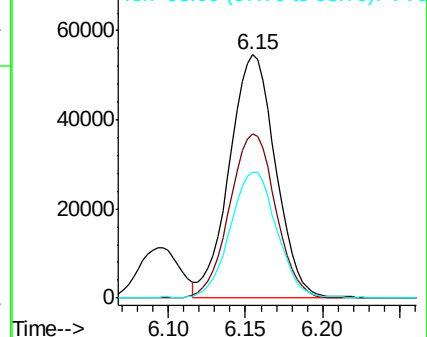
98 51.4 41.1 61.7

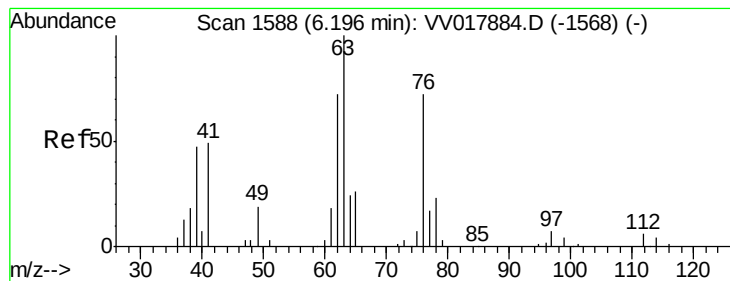


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.391 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

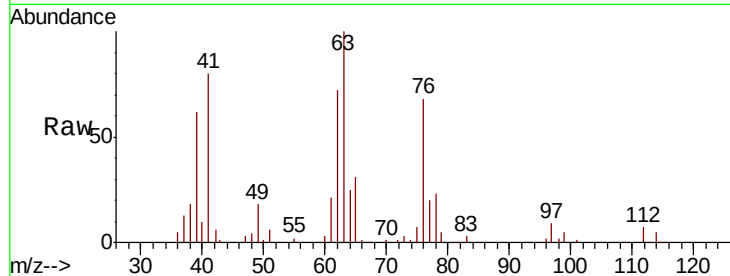
VSTD05096

Tot Ion: 63 Resp: 62485

Ion Ratio Lower Upper

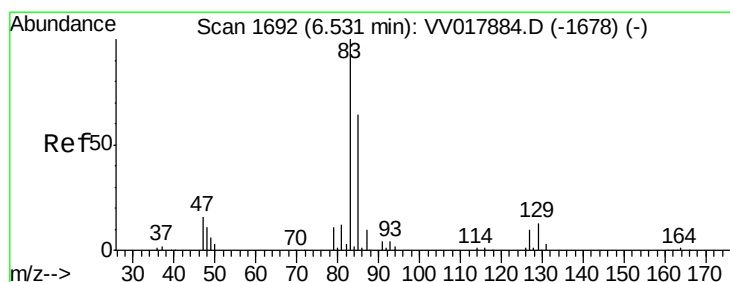
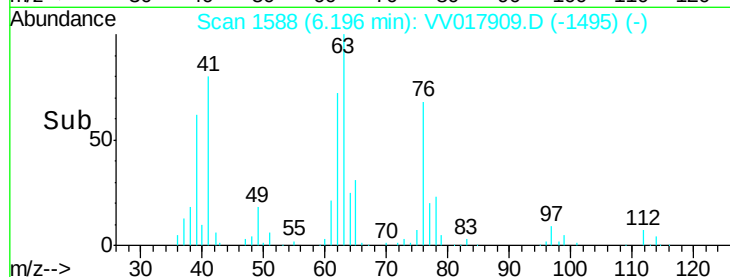
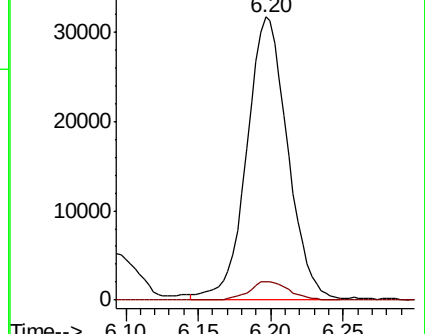
63 100

112 6.4 5.8 8.6



Abundance Ion 63.00 (62.70 to 63.70): VV017884.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV017884.D (-1568) (-)



#38

Bromodichloromethane

Concen: 51.864 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

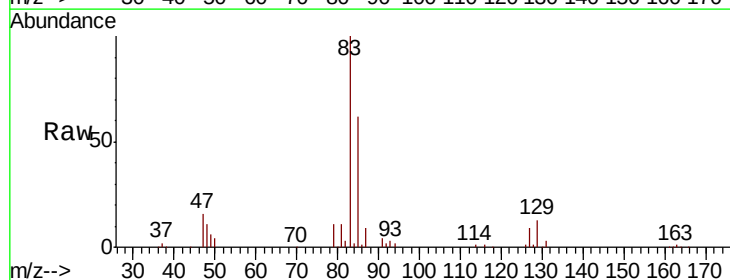
Tgt Ion: 83 Resp: 116785

Ion Ratio Lower Upper

83 100

85 62.4 45.4 84.2

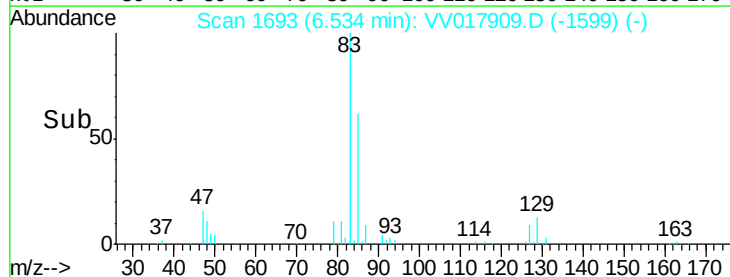
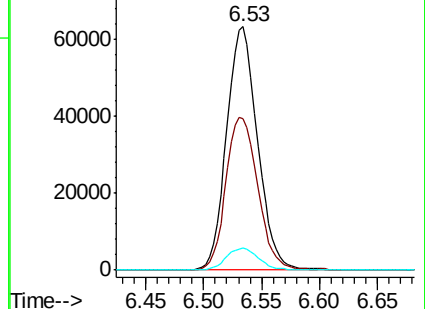
127 9.0 7.8 11.8

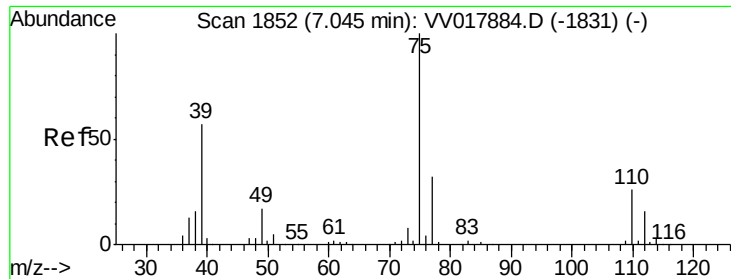


Abundance Ion 83.00 (82.70 to 83.70): VV017884.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV017884.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV017884.D (-1678) (-)

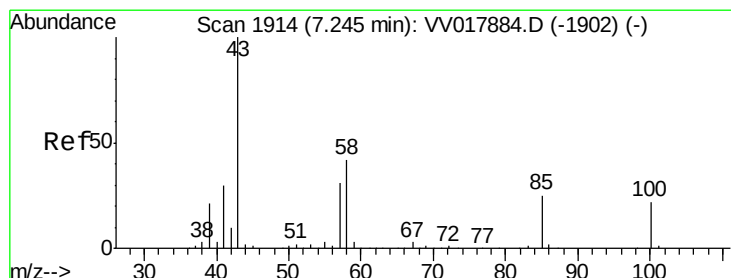
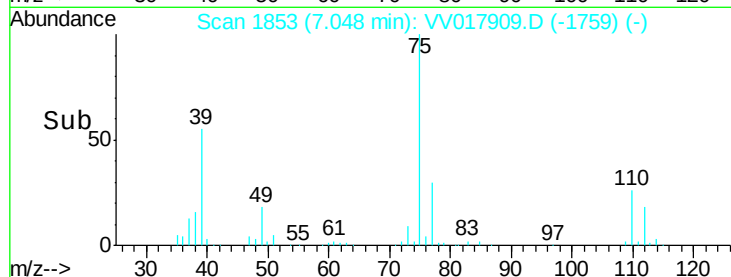
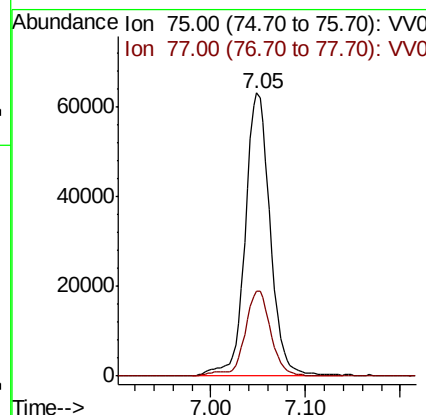
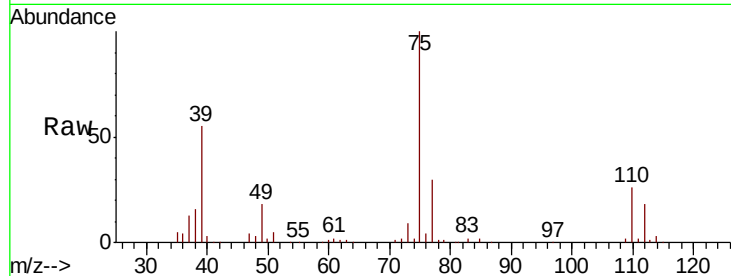




#39
 cis-1,3-Dichloropropene
 Concen: 54.233 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

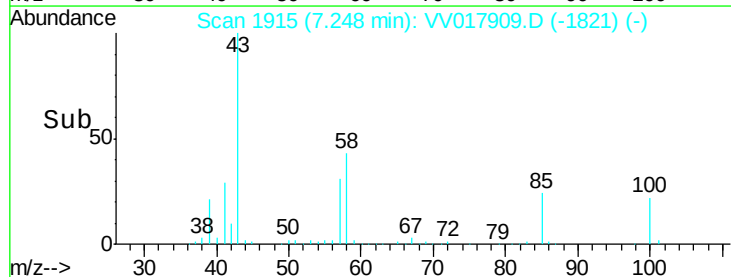
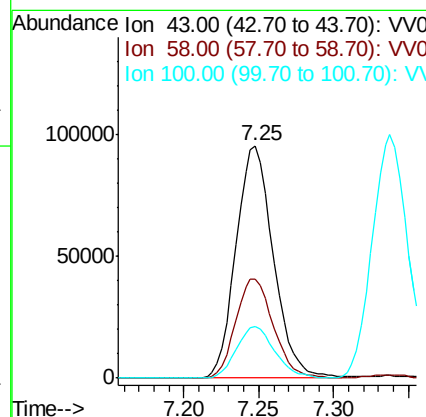
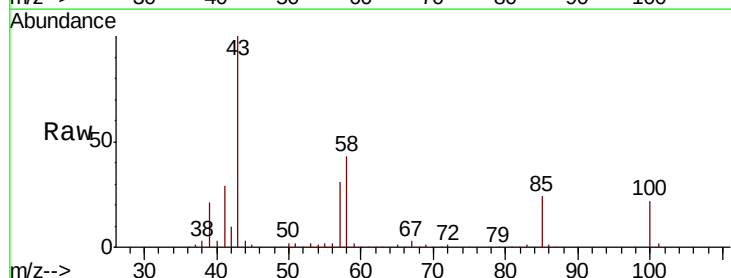
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

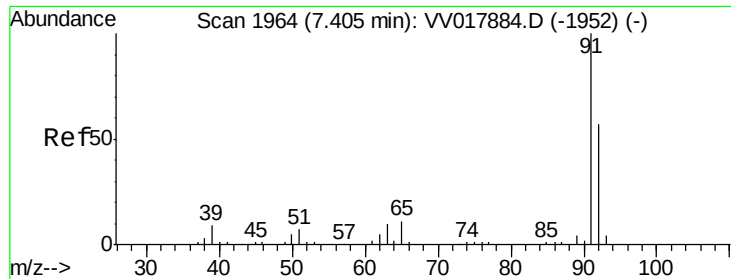
Tot Ion: 75 Resp: 115654
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.7 44.1



#40
 4-Methyl-2-pentanone
 Concen: 102.651 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion: 43 Resp: 166059
 Ion Ratio Lower Upper
 43 100
 58 43.0 32.3 48.5
 100 22.8 17.4 26.0





#42

Toluene

Concen: 48.319 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

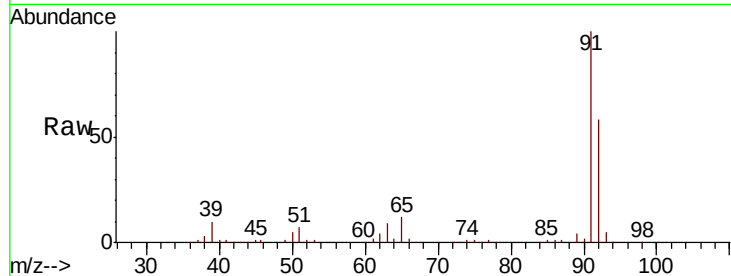
VSTD05096

Tot Ion: 91 Resp: 319325

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

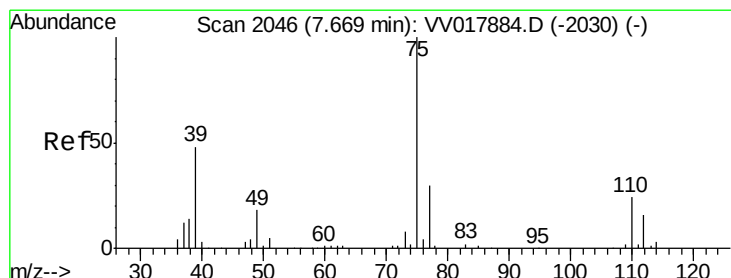
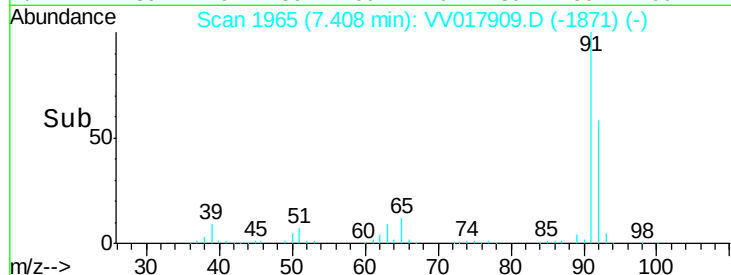
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.635 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017909.D

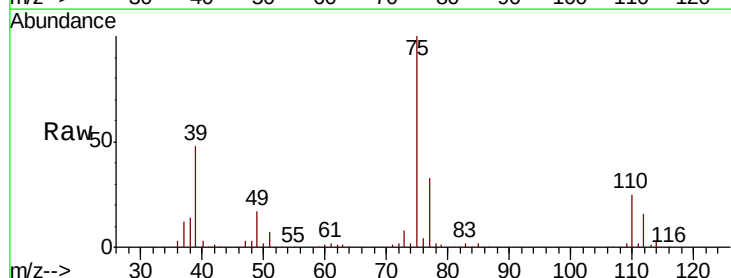
Acq: 10 Aug 2020 20:24

Tgt Ion: 75 Resp: 122449

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

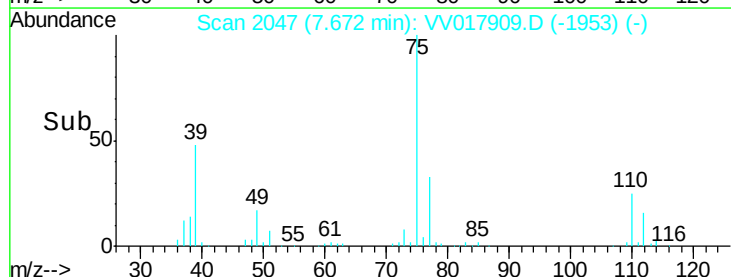
60000

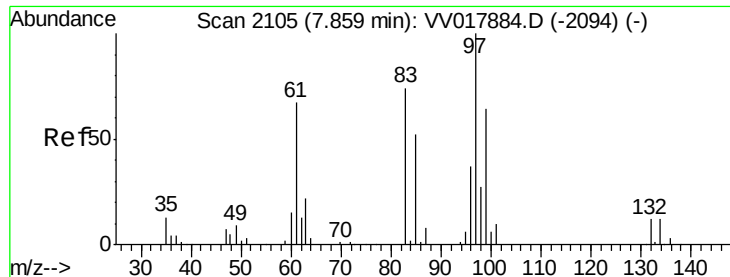
40000

20000

0

Time-->

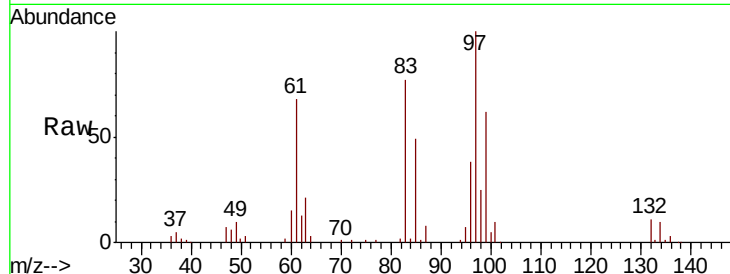




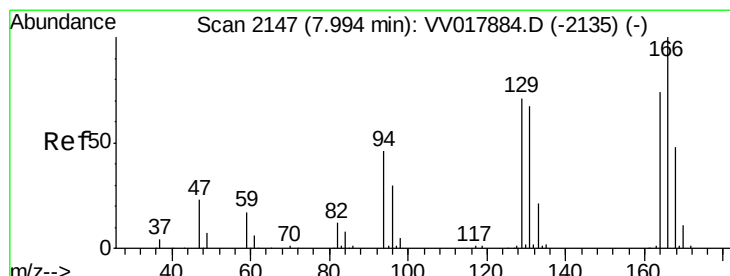
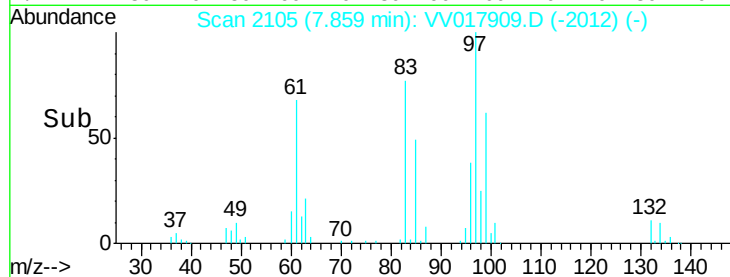
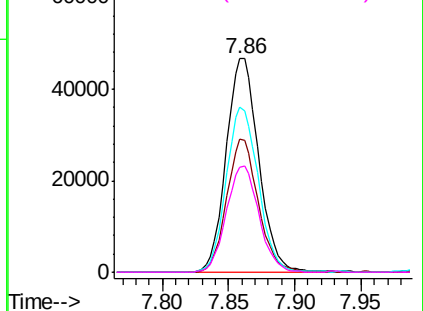
#45
 1,1,2-Trichloroethane
 Concen: 51.117 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Tot Ion:	97	Resp:	79760
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.7	82.9
83	77.3	55.7	103.5
85	49.3	35.4	65.8

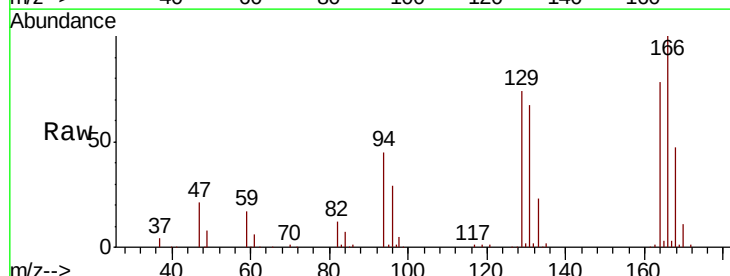


Abundance Ion 97.00 (96.70 to 97.70): VV017884.D (-2094) (-)

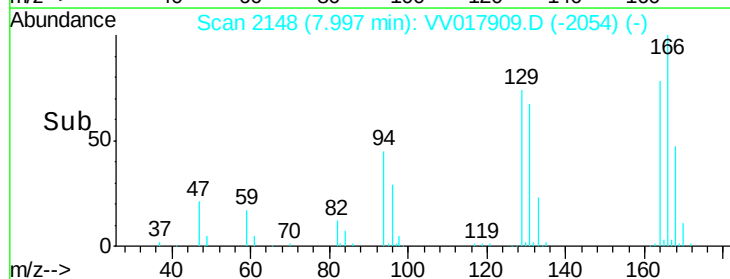
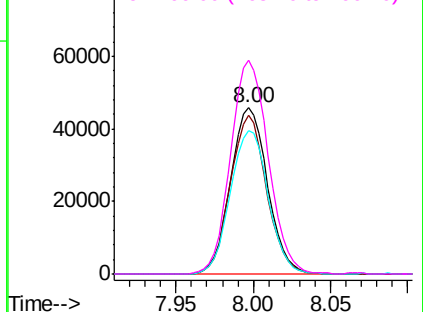


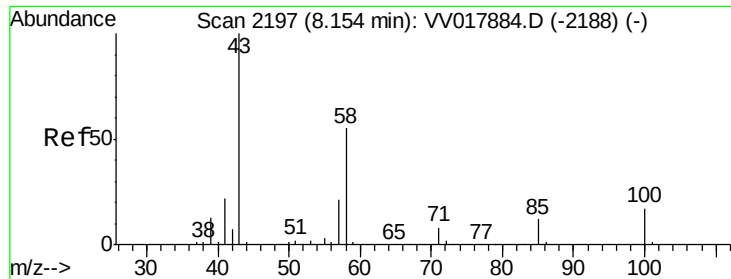
#46
 Tetrachloroethene
 Concen: 47.073 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion:	164	Resp:	75999
Ion	Ratio	Lower	Upper
164	100		
129	95.6	61.6	114.4
131	86.1	59.6	110.8
166	128.4	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): VV017884.D (-2135) (-)

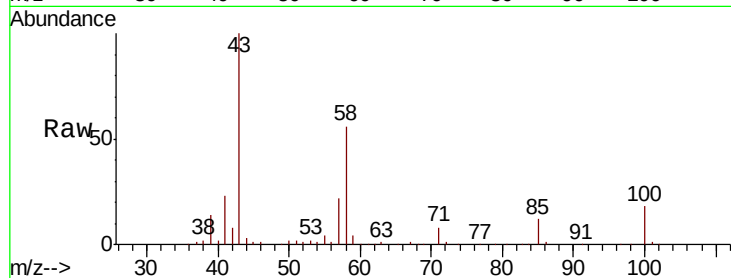




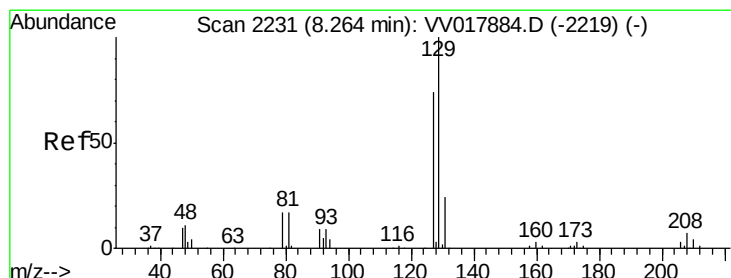
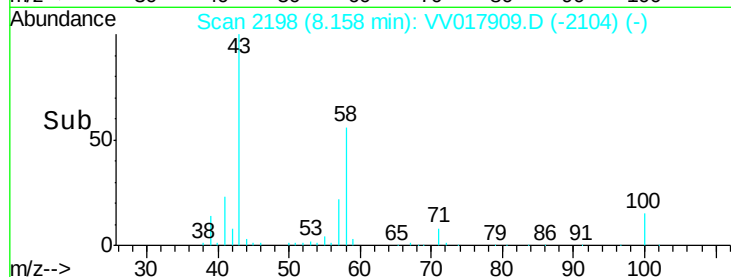
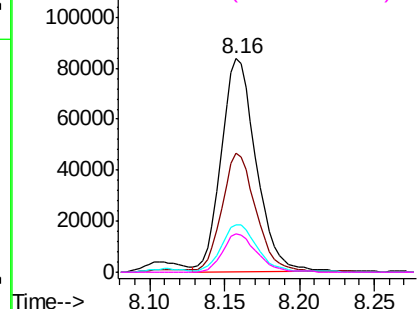
#48
2-Hexanone
Concen: 99.901 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion: 43 Resp: 135303
Ion Ratio Lower Upper
43 100
58 54.0 43.8 65.8
57 22.9 18.0 27.0
100 17.8 13.8 20.8

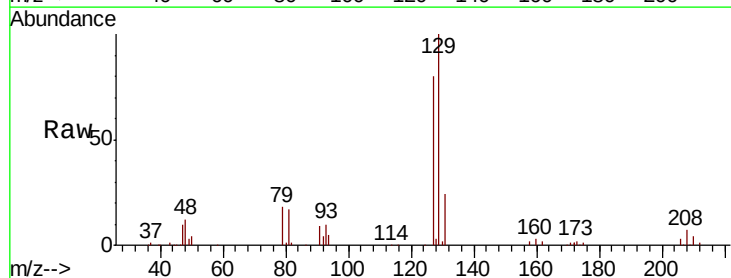


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

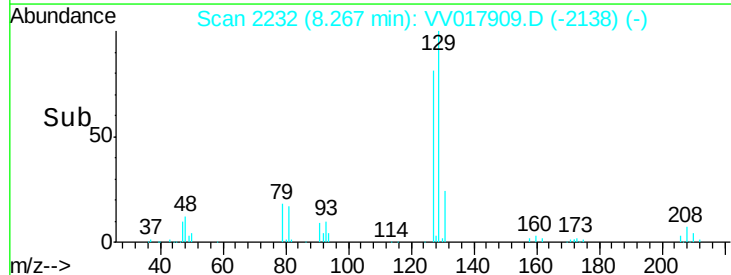
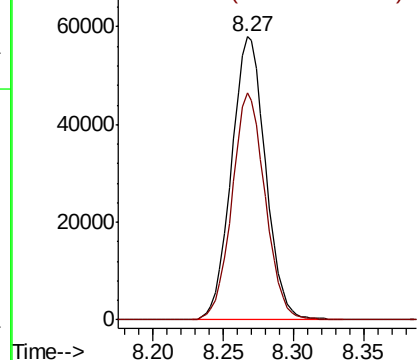


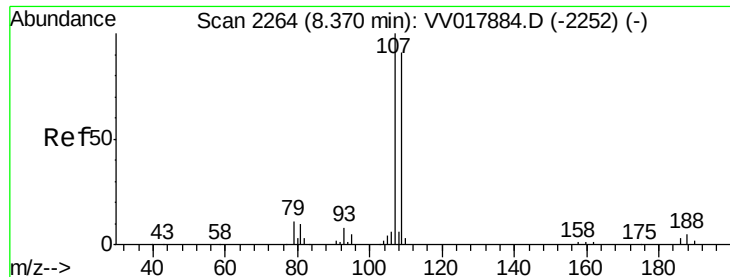
#49
Dibromochloromethane
Concen: 56.394 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion: 129 Resp: 97935
Ion Ratio Lower Upper
129 100
127 80.0 53.1 98.5



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

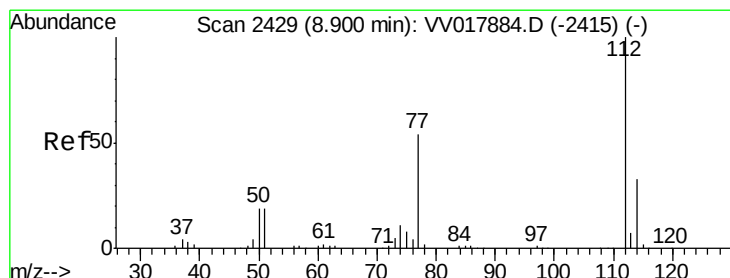
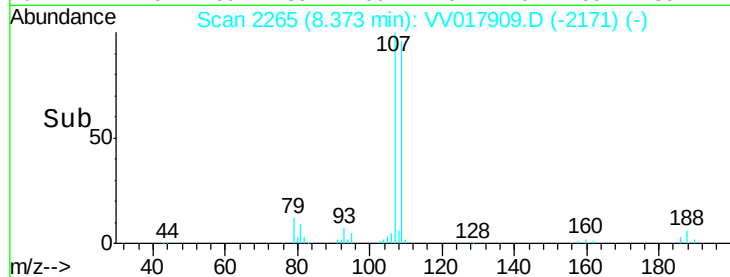
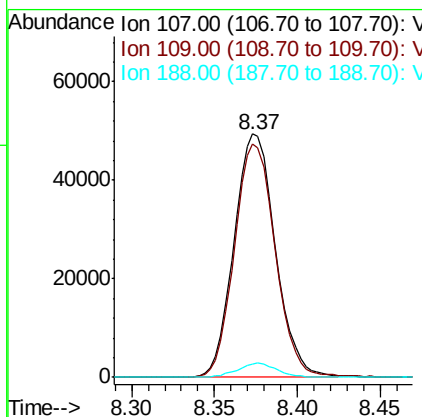
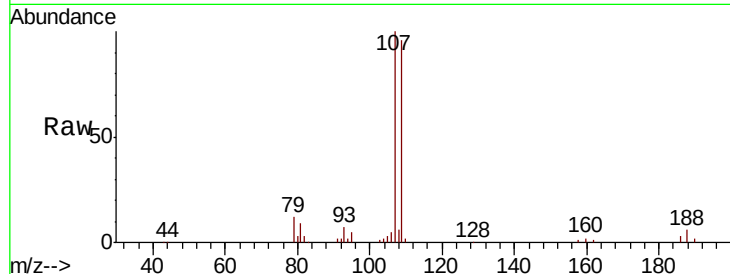




#50
1,2-Dibromoethane
Concen: 49.678 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

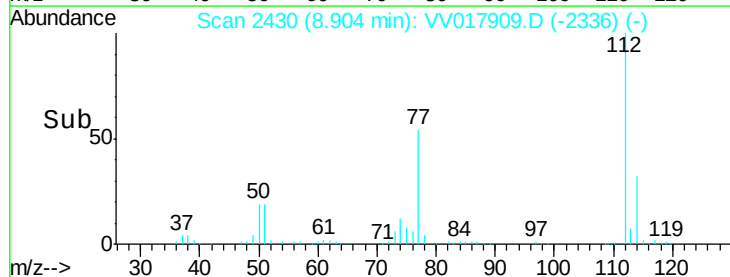
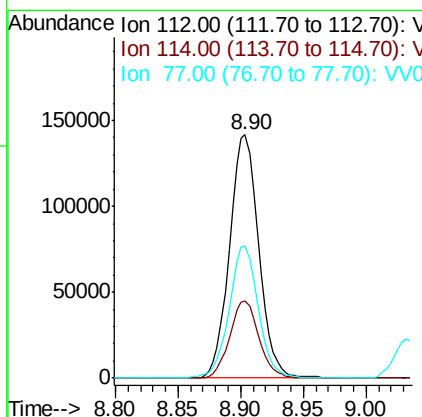
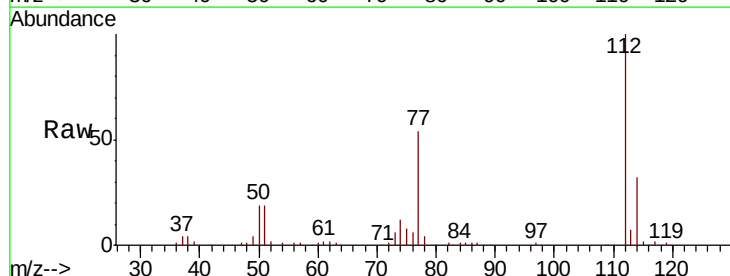
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

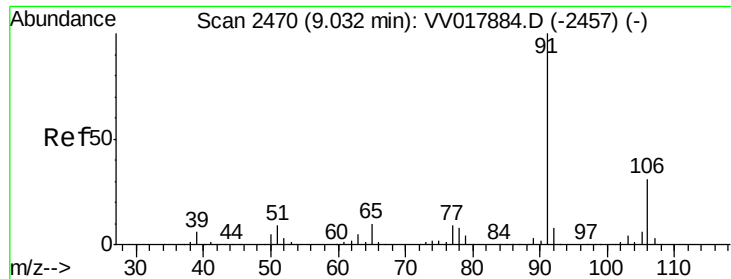
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	67.3	125.1
188	5.7	4.3	6.5



#51
Chlorobenzene
Concen: 49.836 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	54.4	42.7	64.1





#52

Ethylbenzene

Concen: 49.227 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

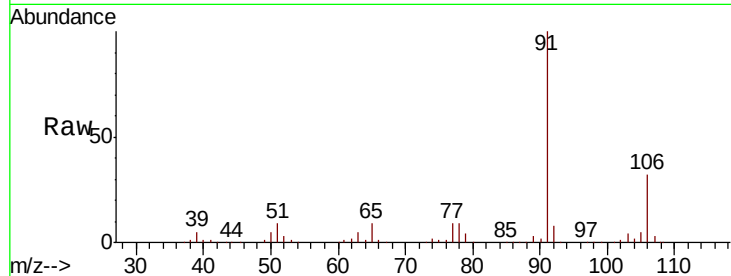
VSTD05096

Tot Ion: 91 Resp: 373796

Ion Ratio Lower Upper

91 100

106 31.5 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV017909.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV017909.D (-2377) (-)

250000

200000

150000

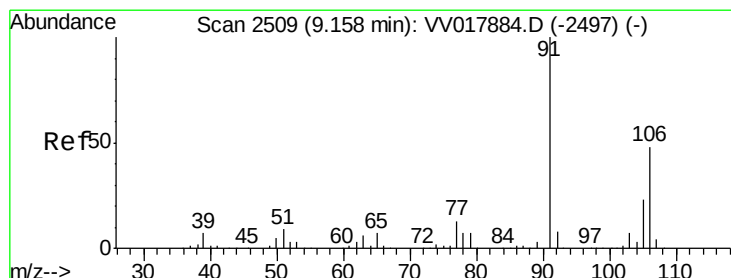
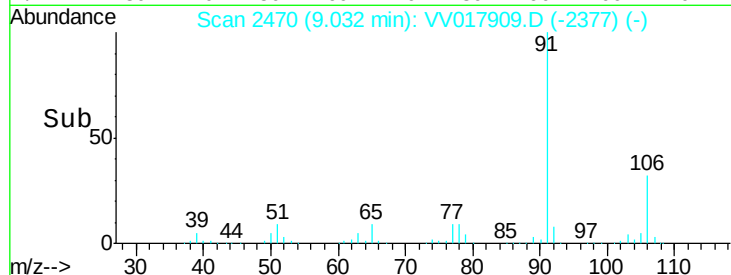
100000

50000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 49.617 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017909.D

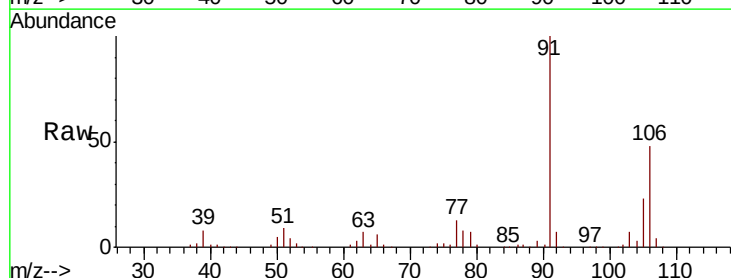
Acq: 10 Aug 2020 20:24

Tgt Ion: 106 Resp: 146449

Ion Ratio Lower Upper

106 100

91 208.7 146.4 272.0



Abundance Ion 106.00 (105.70 to 106.70): VV017909.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV017909.D (-2416) (-)

200000

150000

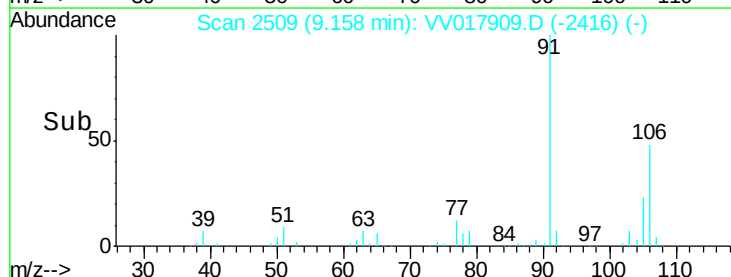
100000

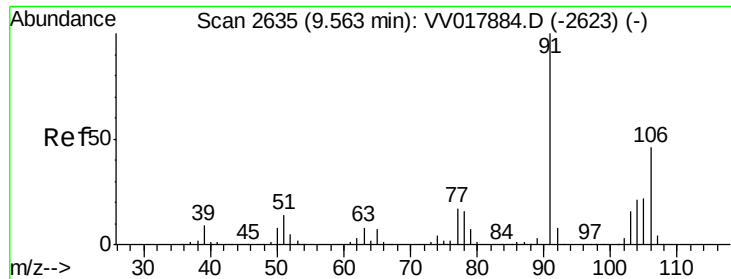
50000

0

Time-->

9.10 9.15 9.20

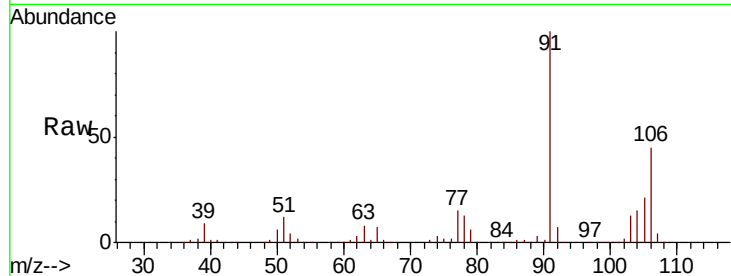




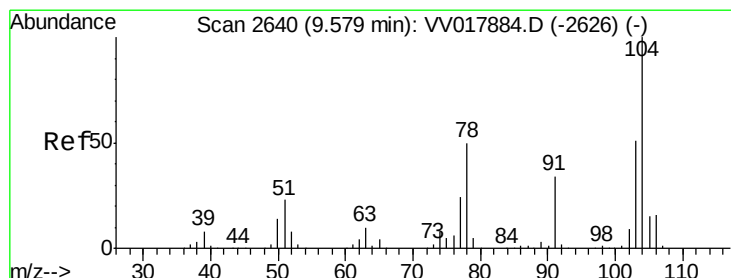
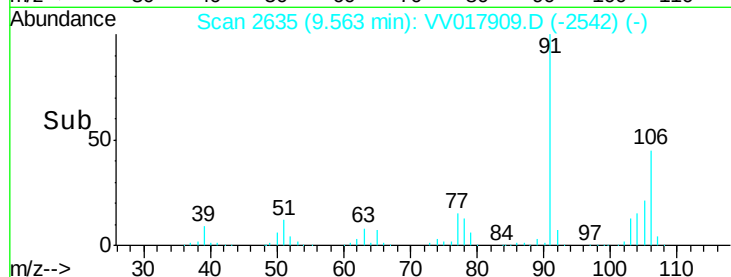
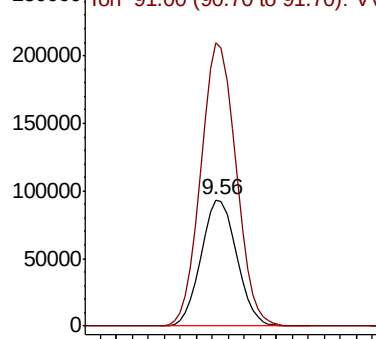
#54
o-xylene
Concen: 49.071 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion:106 Resp: 142242
Ion Ratio Lower Upper
106 100
91 224.2 155.2 288.2

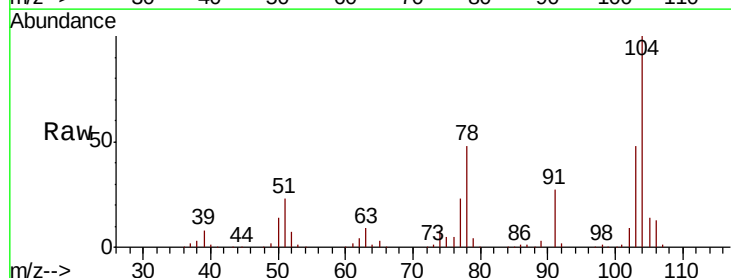


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

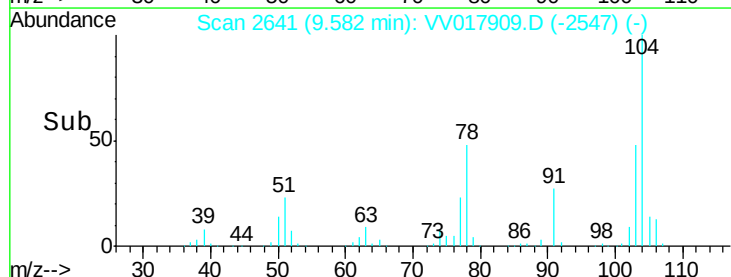
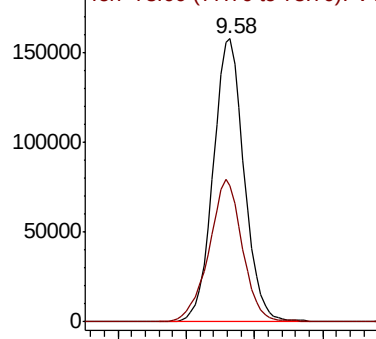


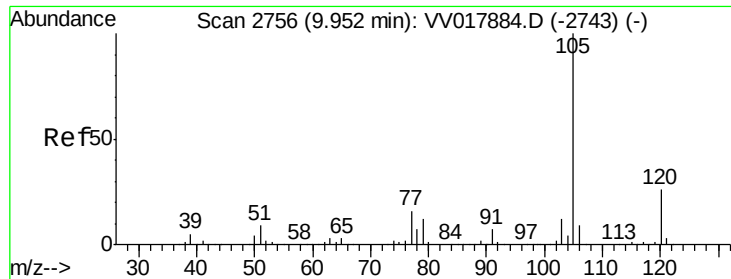
#55
Styrene
Concen: 49.824 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017909.D
Acq: 10 Aug 2020 20:24

Tgt Ion:104 Resp: 247661
Ion Ratio Lower Upper
104 100
78 48.2 35.4 65.7



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





#56

Isopropylbenzene

Concen: 49.098 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

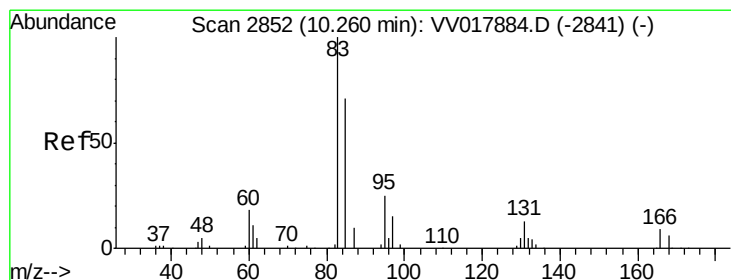
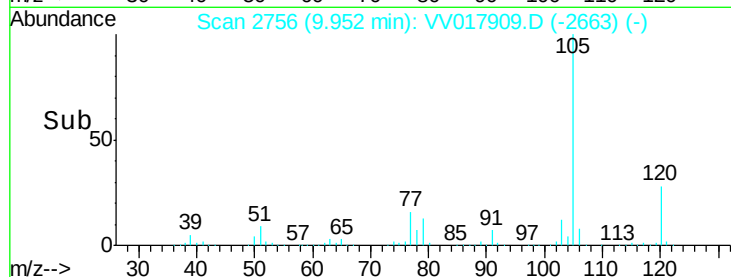
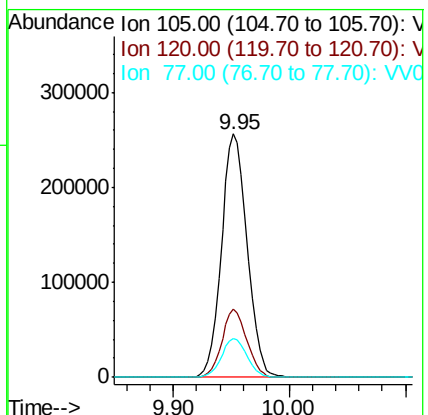
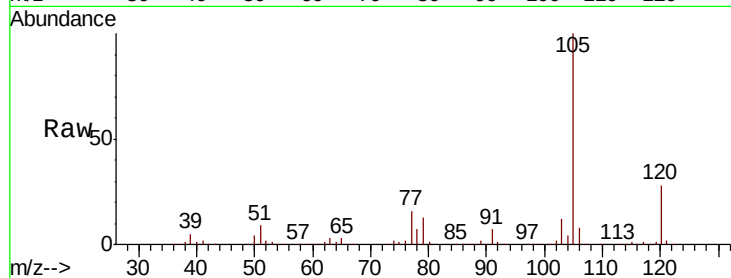
Tot Ion:105 Resp: 393366

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.4

77 15.9 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 50.057 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

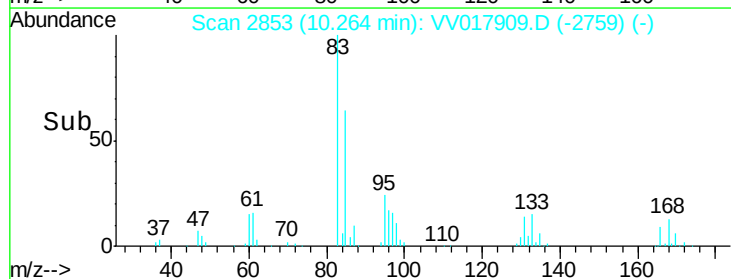
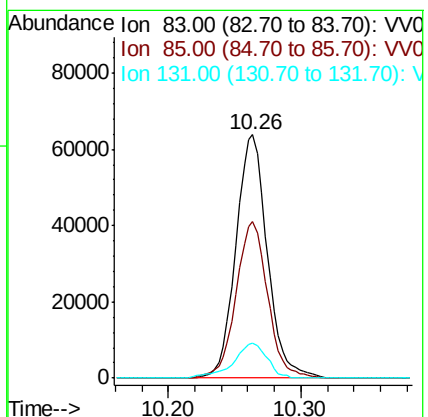
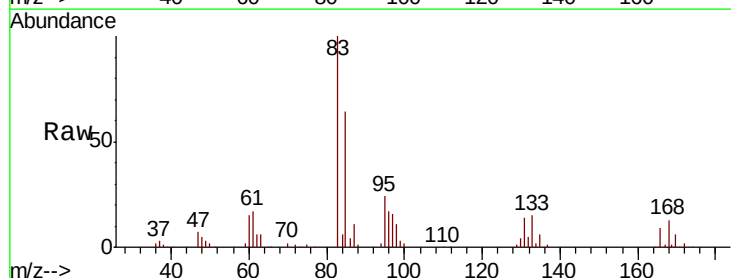
Tgt Ion: 83 Resp: 105201

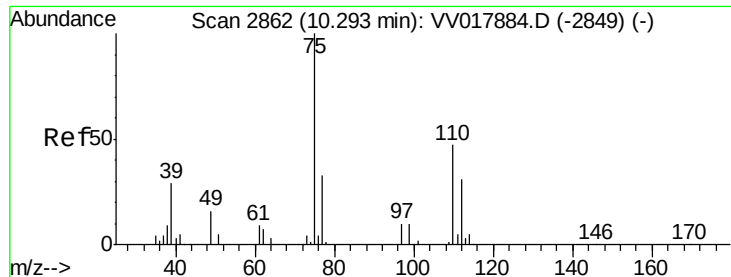
Ion Ratio Lower Upper

83 100

85 64.2 47.5 88.1

131 14.2 11.1 16.7





#59

1,2,3-Trichloropropane

Concen: 50.730 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

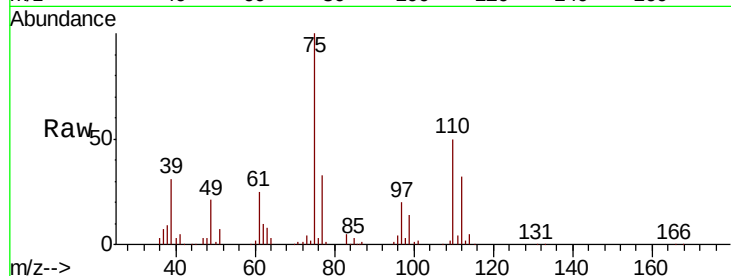
VSTD05096

Tot Ion: 75 Resp: 96866

Ion Ratio Lower Upper

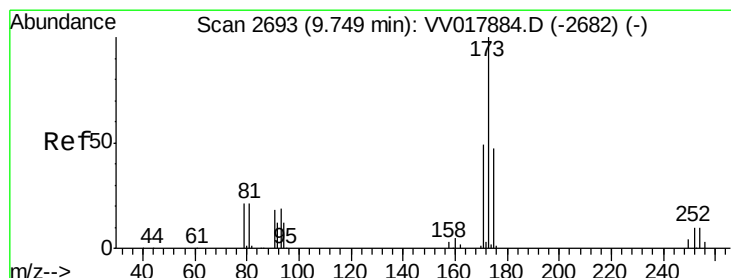
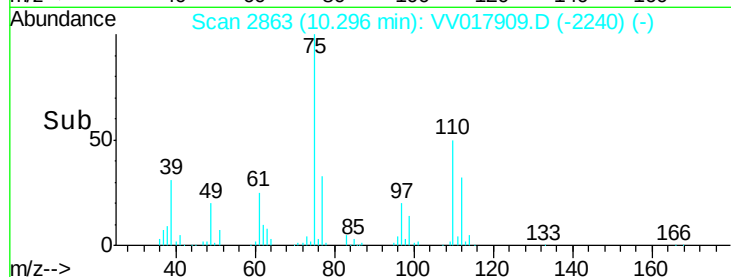
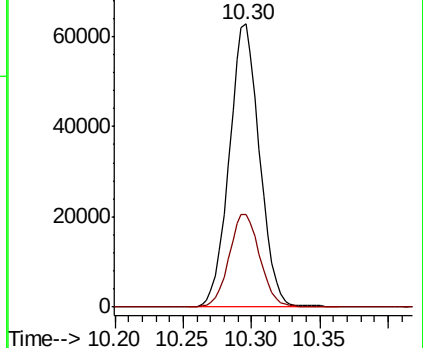
75 100

77 33.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV017884.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV017884.D (-2849) (-)



#61

Bromoform

Concen: 61.889 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

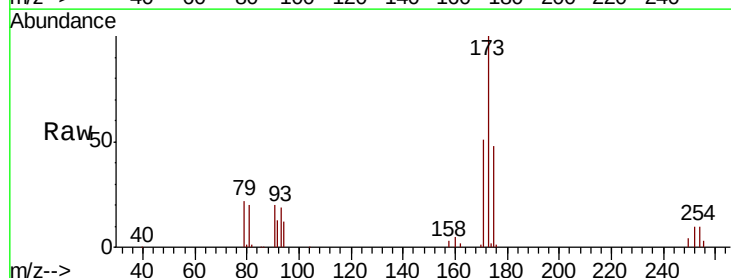
Tgt Ion: 173 Resp: 70927

Ion Ratio Lower Upper

173 100

175 47.4 40.6 60.8

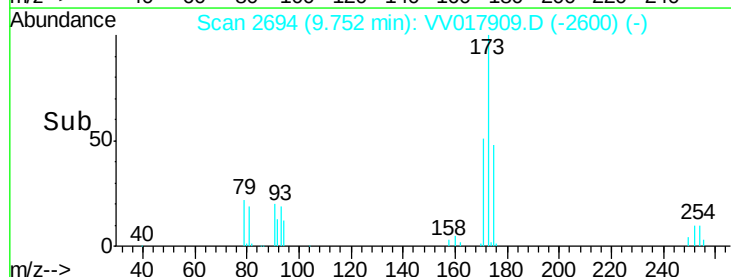
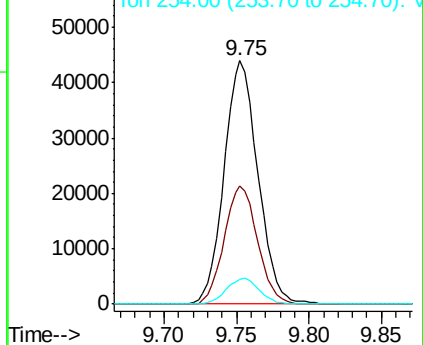
254 10.4 8.2 12.2

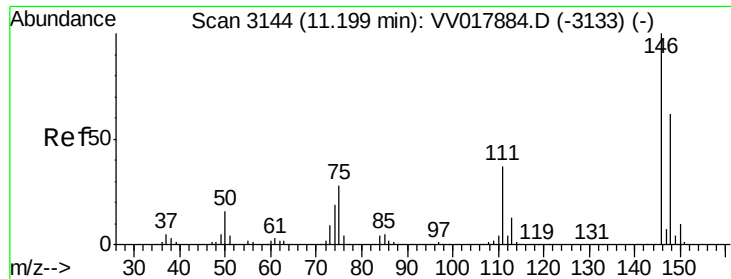


Abundance Ion 173.00 (172.70 to 173.70): VV017884.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017884.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017884.D (-2682) (-)

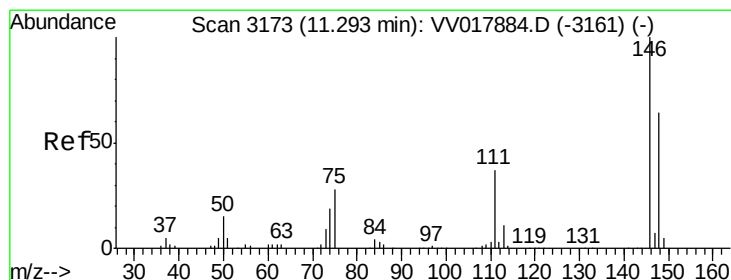
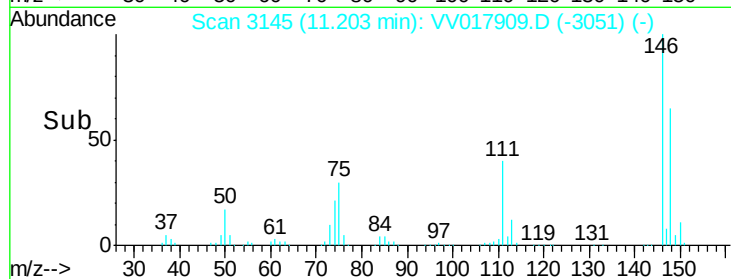
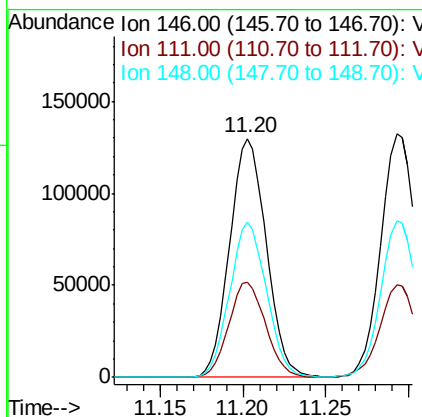
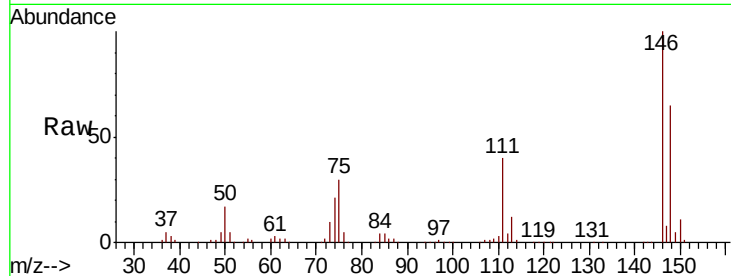




#62
 1,3-Dichlorobenzene
 Concen: 49.045 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

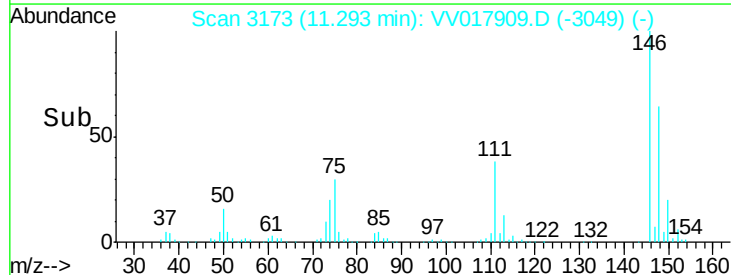
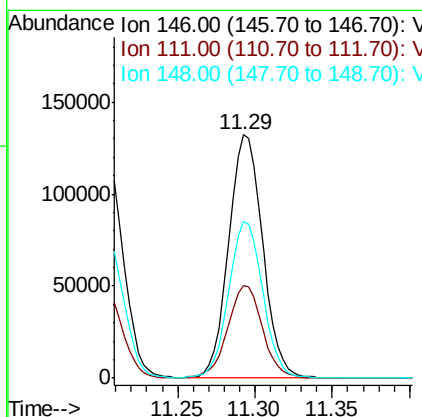
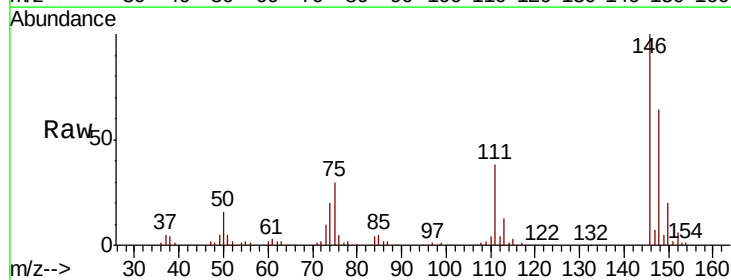
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

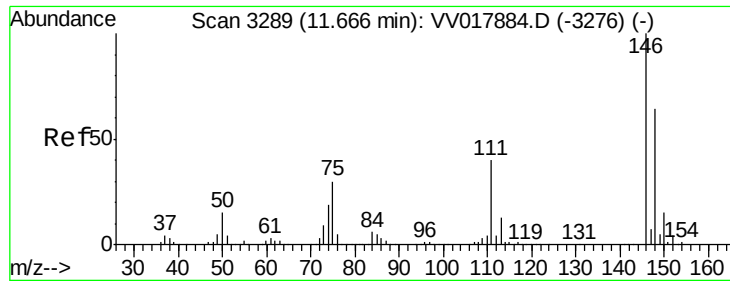
Tot Ion:146 Resp: 199961
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.1 50.3
 148 65.3 43.8 81.4



#63
 1,4-Dichlorobenzene
 Concen: 48.762 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion:146 Resp: 201929
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.2 48.8
 148 64.5 44.3 82.3

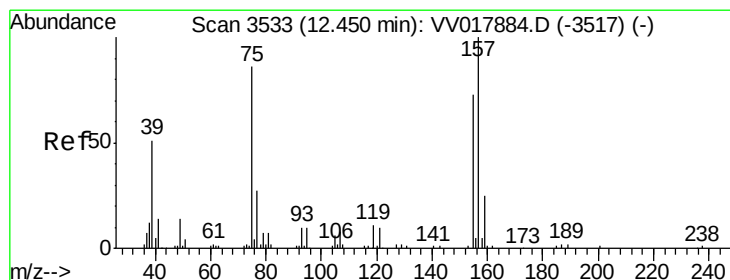
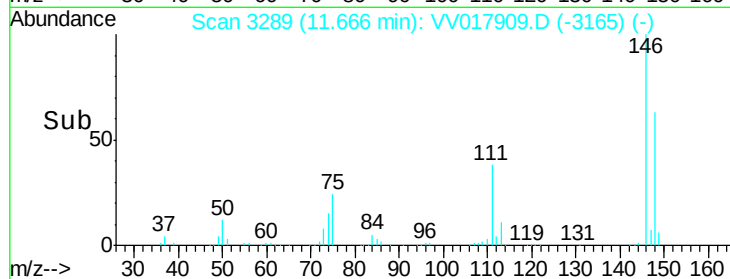
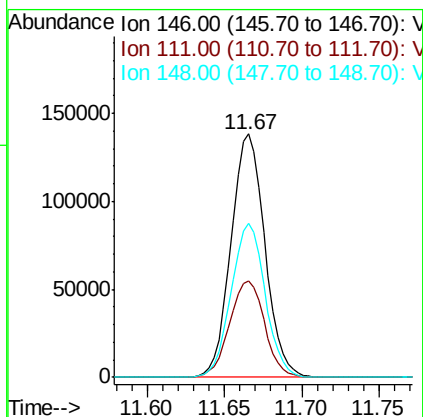
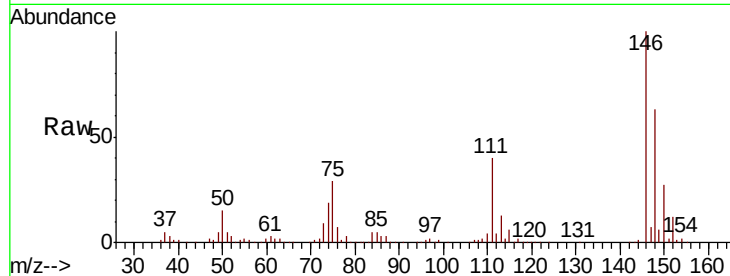




#65
 1,2-Dichlorobenzene
 Concen: 50.479 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

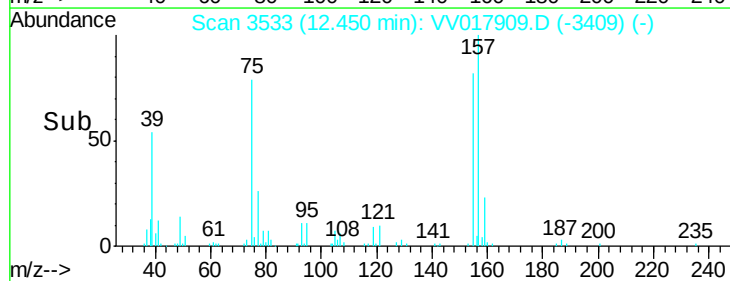
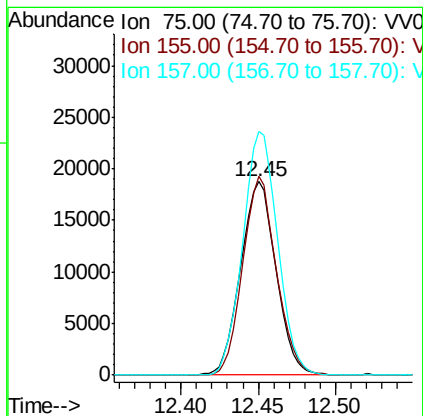
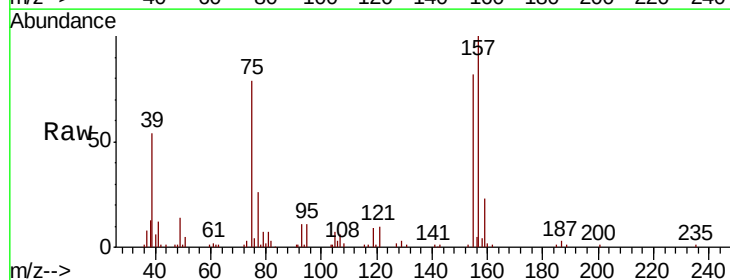
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

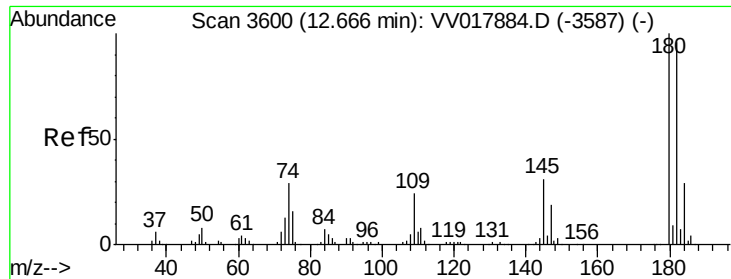
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.9	49.3
148	63.2	51.9	77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.171 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	75.0	112.6
157	125.8	95.0	142.4

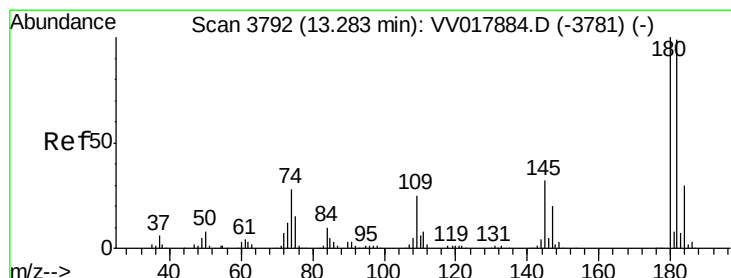
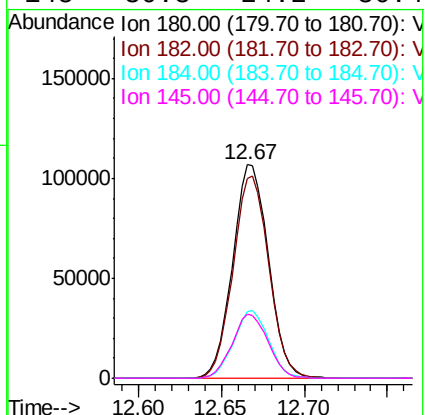
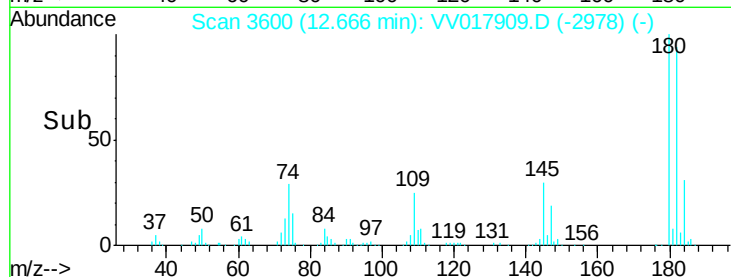
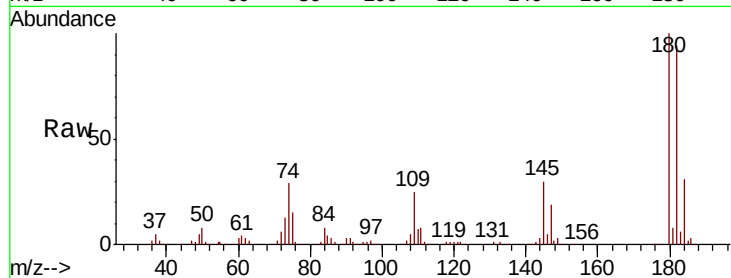




#67
 1,3,5-Trichlorobenzene
 Concen: 48.438 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

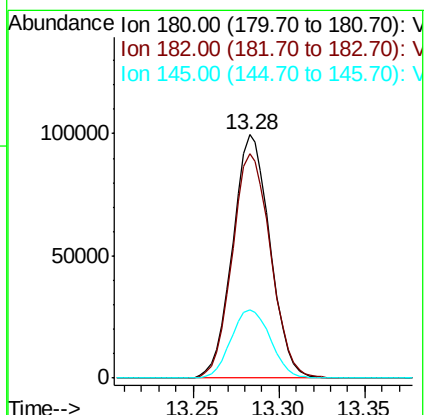
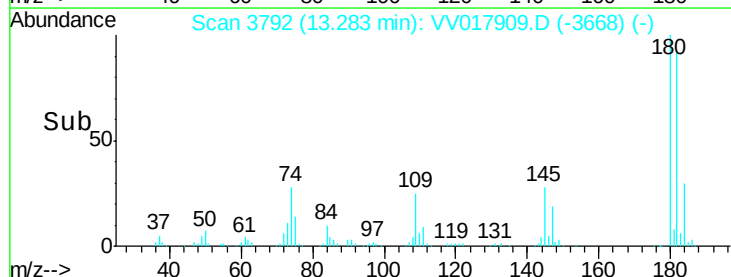
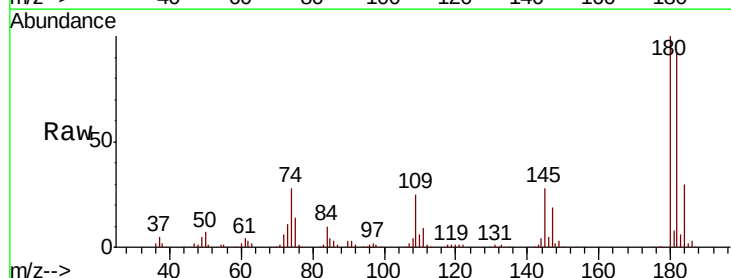
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

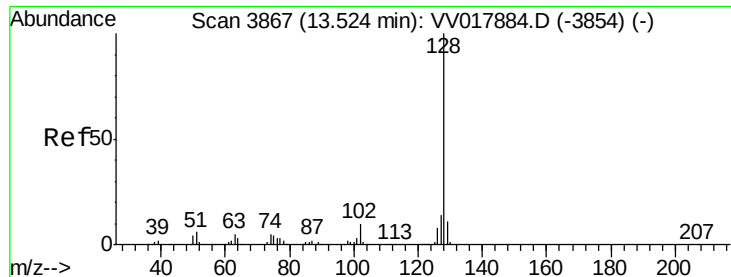
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
184	30.9	24.4	36.6
145	30.3	24.2	36.4



#68
 1,2,4-trichlorobenzene
 Concen: 51.742 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017909.D
 Acq: 10 Aug 2020 20:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
145	29.6	24.1	36.1





#69

Naphthalene

Concen: 54.789 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

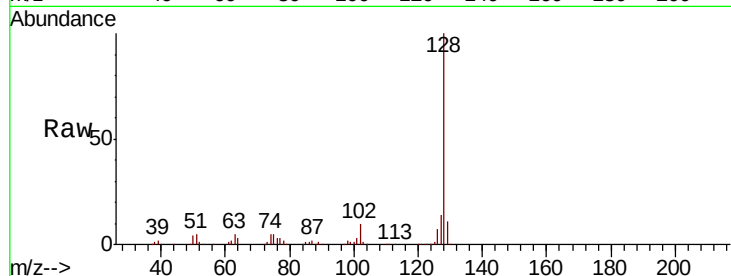
Tot Ion:128 Resp: 406058

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

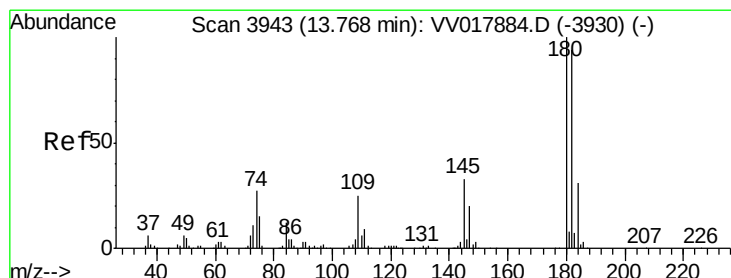
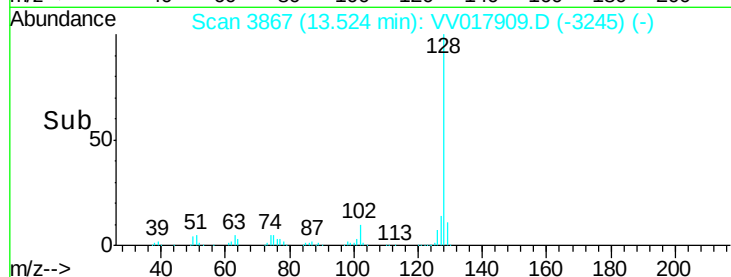
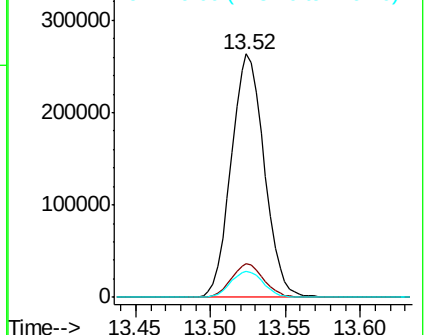
129 10.6 8.5 12.7



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: 53.112 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017909.D

Acq: 10 Aug 2020 20:24

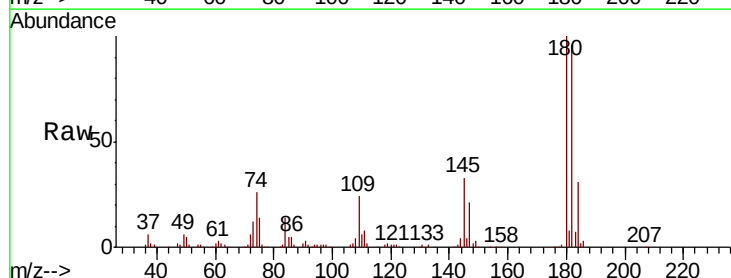
Tgt Ion:180 Resp: 155598

Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

145 33.4 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

