

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\
 Data File : VV018581.D
 Acq On : 01 Oct 2020 09:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Quant Time: Oct 01 23:34:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 07:39:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	364321	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	351737	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	189853	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	78572	36.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.54%
7) Chloroethane-d5	1.58	69	73479	41.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.18%
11) 1,1-Dichloroethene-d2	2.12	63	198912	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.38%
21) 2-Butanone-d5	3.91	46	160811	100.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.90%
24) Chloroform-d	4.37	84	206851	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.54%
26) 1,2-Dichloroethane-d4	5.05	65	133381	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.07	84	389987	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.09	67	124081	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.18%
41) Toluene-d8	7.33	98	361295	43.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.22%
43) trans-1,3-Dichloropropene-	7.64	79	62037	42.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.32%
47) 2-Hexanone-d5	8.11	63	105681	103.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.36%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	177087	49.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	166136	45.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115084	46.457	ug/L 98
3) Chloromethane	1.25	50	126063	47.560	ug/L 99
5) Vinyl chloride	1.32	62	133388	47.864	ug/L 99
6) Bromomethane	1.53	94	96153	50.694	ug/L 97
8) Chloroethane	1.59	64	86526	50.384	ug/L 98
9) Trichlorofluoromethane	1.76	101	222205	52.462	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	121592	51.291	ug/L 99
12) 1,1-Dichloroethene	2.13	96	119606	52.591	ug/L 96
13) Acetone	2.19	43	130958	95.107	ug/L 100
14) Carbon disulfide	2.31	76	380163	51.601	ug/L 99
15) Methyl Acetate	2.44	43	131509	49.574	ug/L 99
16) Methylene chloride	2.52	84	133474	48.898	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	127480	48.986	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	398196	50.221	ug/L 100
19) 1,1-Dichloroethane	3.21	63	227151	49.852	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	138063	49.920	ug/L 100
22) 2-Butanone	3.99	43	176479	101.456	ug/L 99

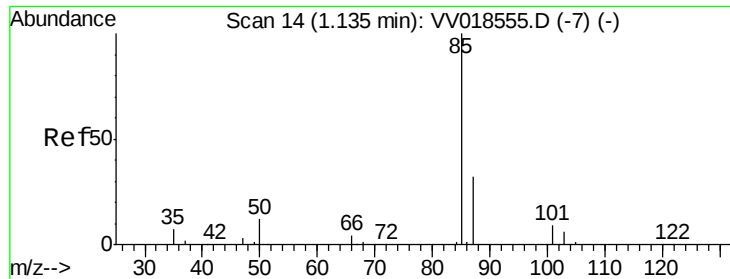
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100120\
 Data File : VV018581.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 07:39:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	73288	48.189	ug/L	99
25) Chloroform	4.40	83	237488	49.361	ug/L	97
27) 1,2-Dichloroethane	5.15	62	188560	50.281	ug/L	100
29) Cyclohexane	4.70	56	198229	49.413	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	215653	49.386	ug/L	99
31) Carbon tetrachloride	4.85	117	190025	48.488	ug/L	100
33) Benzene	5.12	78	511119	49.462	ug/L	100
34) Trichloroethene	5.94	95	147339	49.113	ug/L	97
35) Methylcyclohexane	6.15	83	184815	45.667	ug/L	99
37) 1,2-Dichloropropane	6.19	63	129915	49.002	ug/L	99
38) Bromodichloromethane	6.53	83	178295	50.216	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	200813	48.277	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	357788	104.586	ug/L	100
42) Toluene	7.41	91	560988	50.183	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	199489	48.822	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	129914	49.500	ug/L	98
46) Tetrachloroethene	8.00	164	117824	48.411	ug/L	98
48) 2-Hexanone	8.16	43	278973	104.515	ug/L	97
49) Dibromochloromethane	8.27	129	150008	49.972	ug/L	98
50) 1,2-Dibromoethane	8.37	107	140718	50.428	ug/L	99
51) Chlorobenzene	8.90	112	372231	49.221	ug/L	99
52) Ethylbenzene	9.03	91	621653	49.796	ug/L	100
53) m,p-Xylene	9.16	106	238535	49.441	ug/L	99
54) o-xylene	9.56	106	232302	50.857	ug/L	98
55) Styrene	9.58	104	407417	51.225	ug/L	96
56) Isopropylbenzene	9.95	105	606411	49.502	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	184243	49.804	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	163334	50.649	ug/L	99
61) Bromoform	9.75	173	112161	51.431	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	309846	50.429	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	314804	49.756	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	306224	50.379	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42098	50.734	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	198771	46.703	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	191878	48.449	ug/L	99
69) Naphthalene	13.52	128	596669	52.631	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	193592	48.693	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 46.457 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

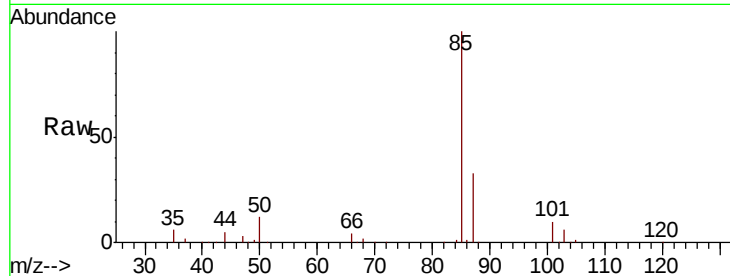
VSTD05096

Tot Ion: 85 Resp: 115084

Ion Ratio Lower Upper

85 100

87 32.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018555.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018555.D (-7) (-)

1.14

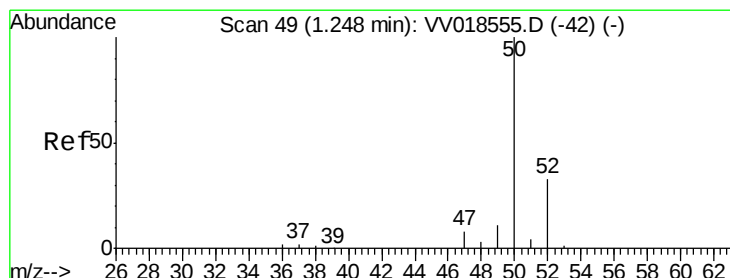
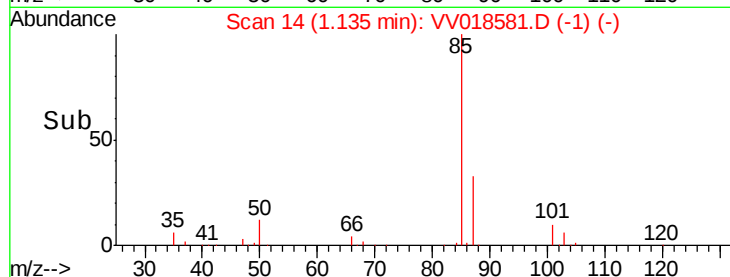
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.560 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018581.D

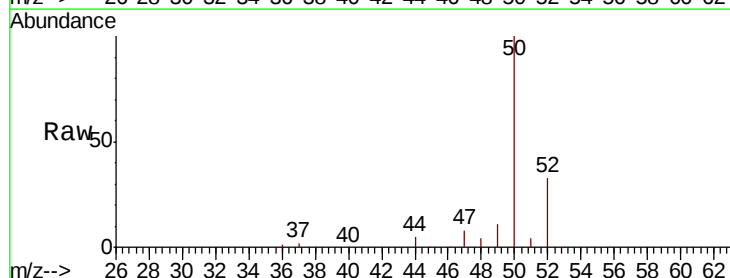
Acq: 01 Oct 2020 09:31

Tgt Ion: 50 Resp: 126063

Ion Ratio Lower Upper

50 100

52 33.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018555.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018555.D (-42) (-)

1.25

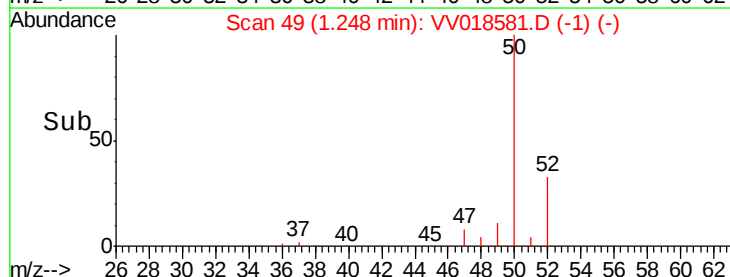
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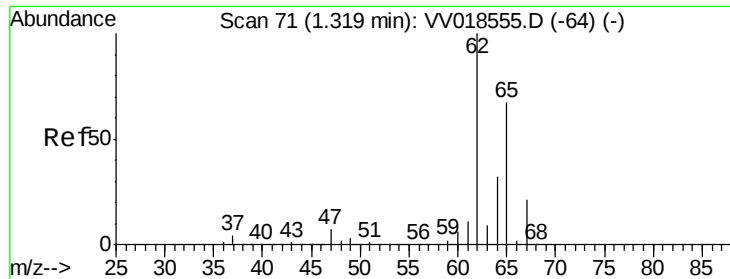
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50000

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Time-->





#5

Vinyl chloride

Concen: 47.864 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampled :

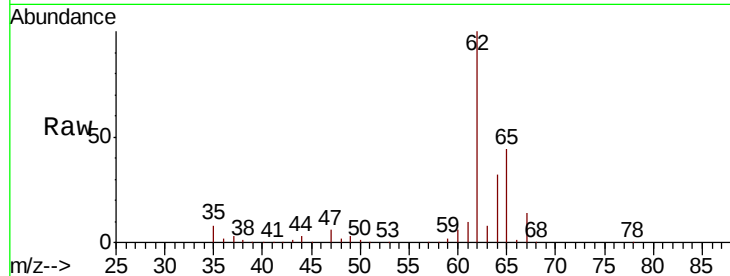
VSTD05096

Tot Ion: 62 Resp: 133388

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

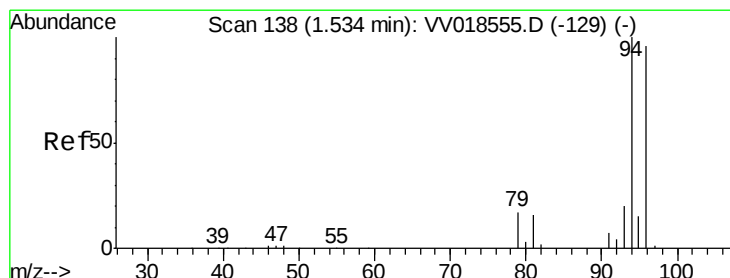
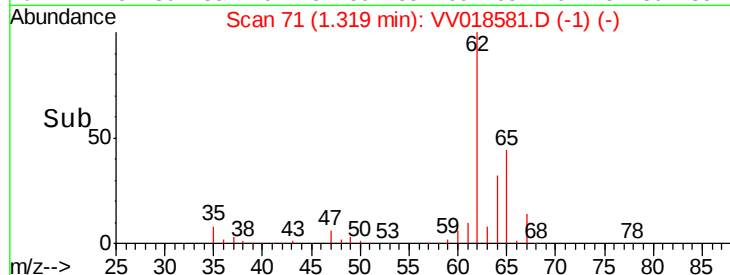
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 50.694 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018581.D

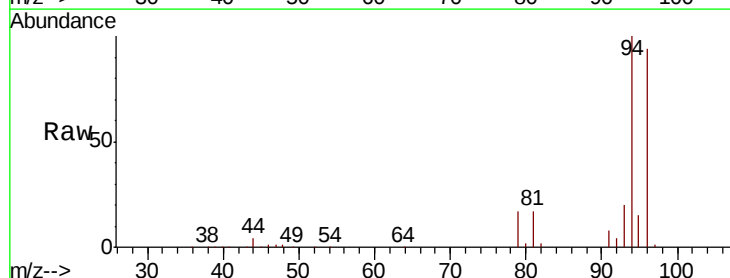
Acq: 01 Oct 2020 09:31

Tgt Ion: 94 Resp: 96153

Ion Ratio Lower Upper

94 100

96 93.5 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

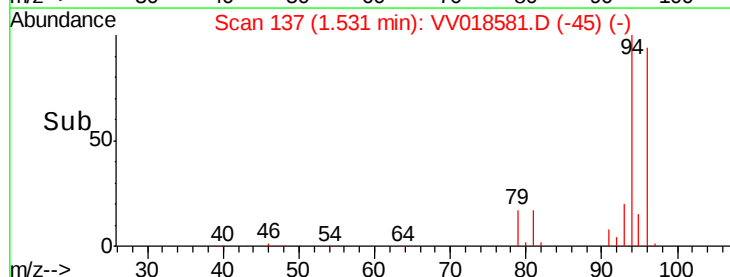
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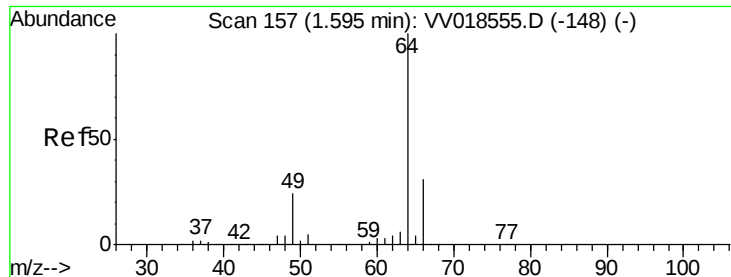
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Time-->

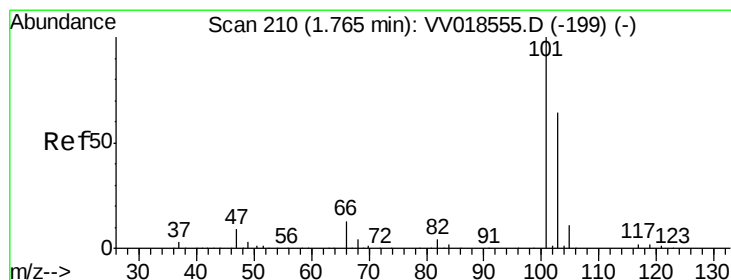
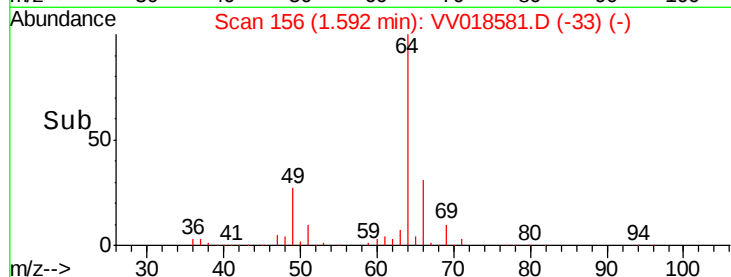
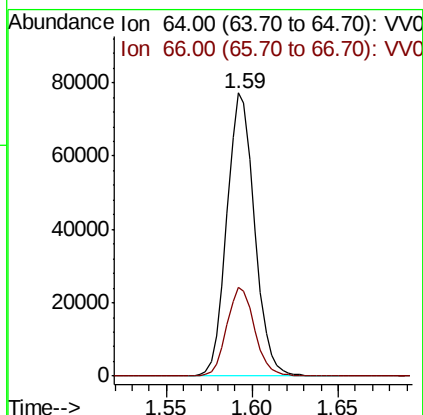
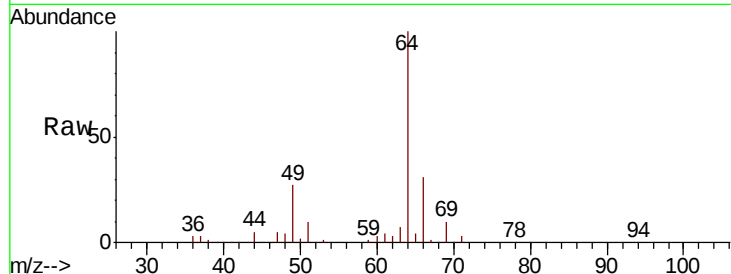




#8
Chloroethane
Concen: 50.384 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

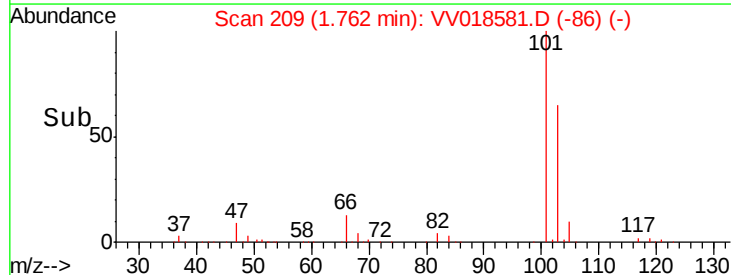
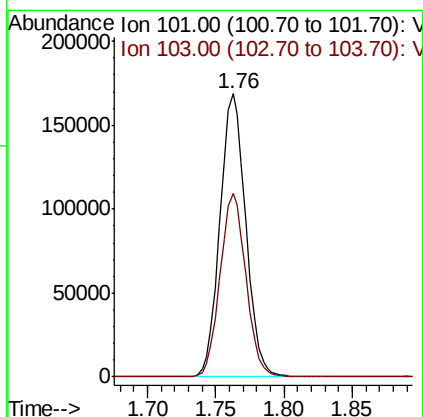
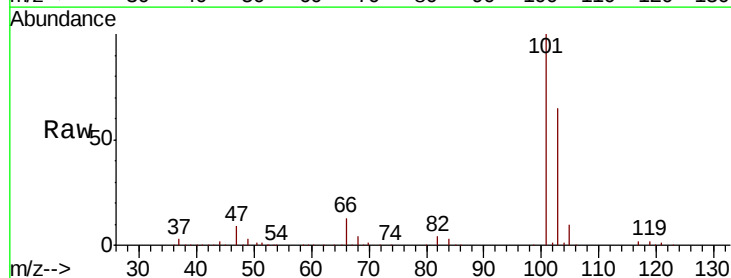
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

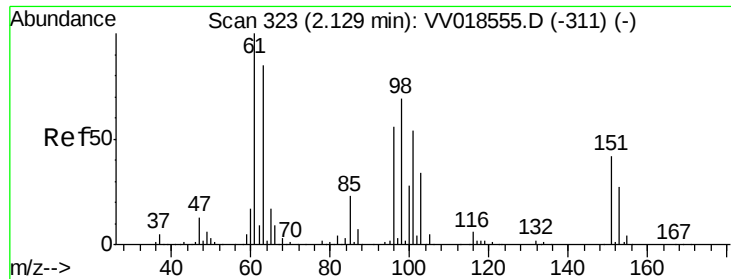
Tot Ion: 64 Resp: 86526
Ion Ratio Lower Upper
64 100
66 31.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 52.462 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Tgt Ion: 101 Resp: 222205
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9





#10

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

Concen: 51.291 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

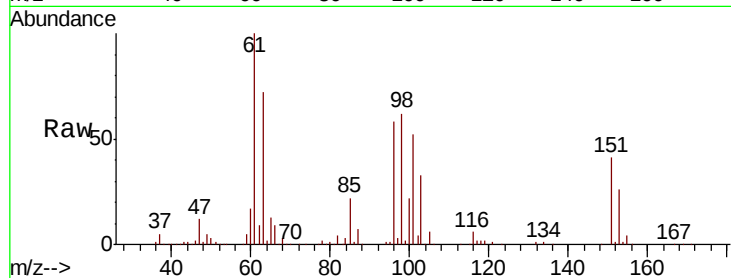
Tot Ion:101 Resp: 121592

Ion Ratio Lower Upper

101 100

85 43.1 34.6 52.0

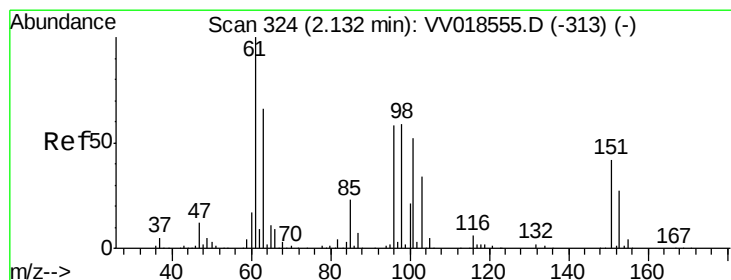
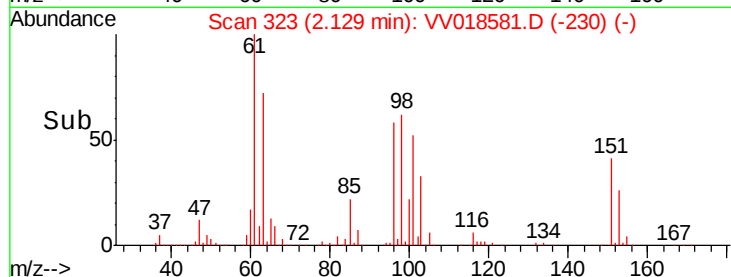
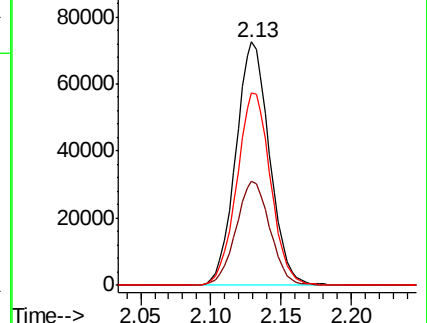
151 79.2 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): VV018555.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018555.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018555.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 52.591 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

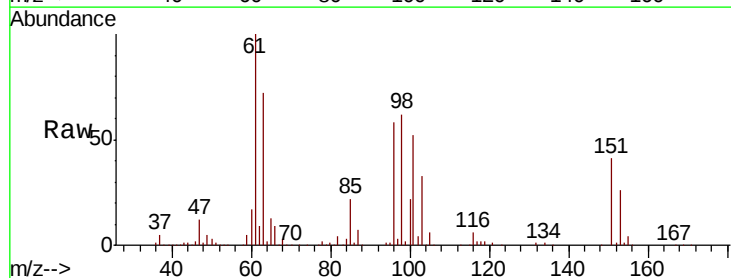
Tgt Ion: 96 Resp: 119606

Ion Ratio Lower Upper

96 100

61 172.6 122.8 228.1

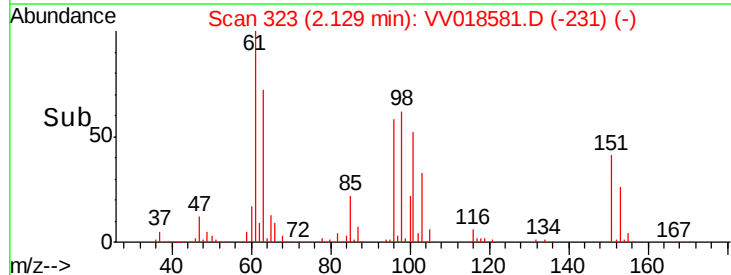
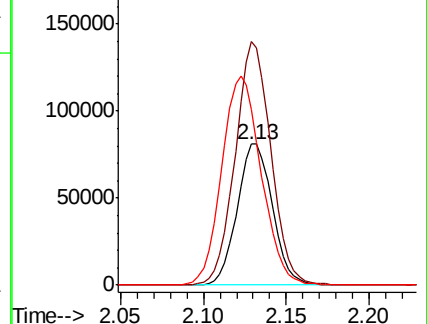
63 124.6 91.9 170.7

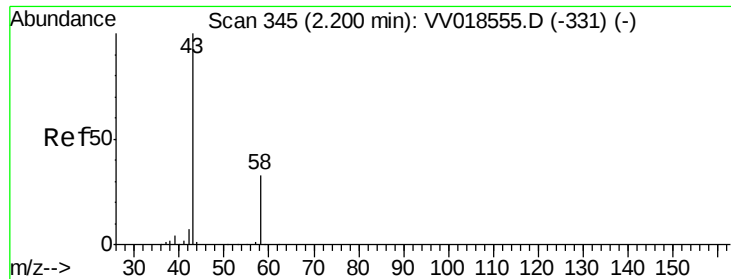


Abundance Ion 96.00 (95.70 to 96.70): VV018555.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018555.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018555.D (-313) (-)





#13

Acetone

Concen: 95.107 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

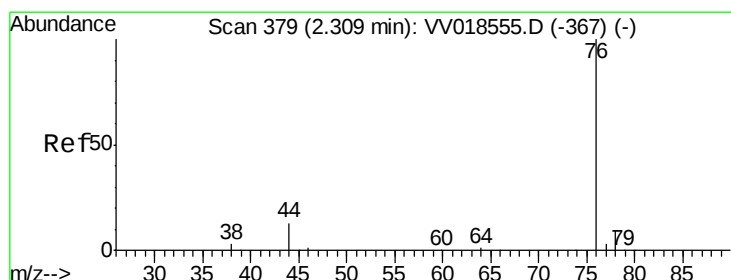
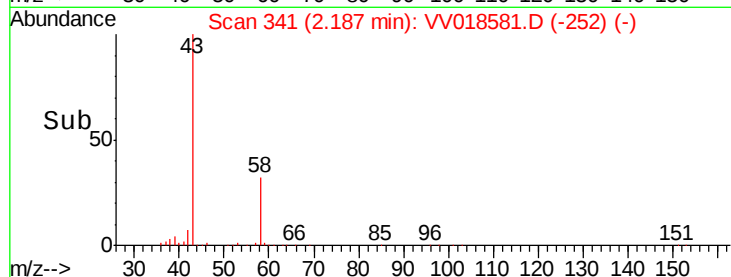
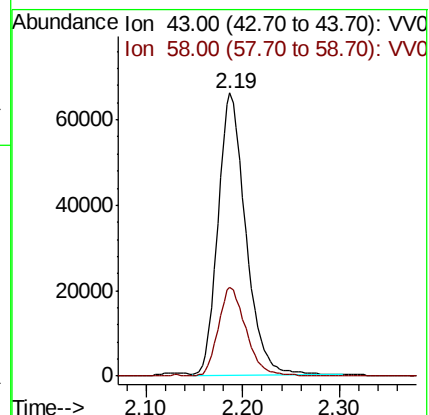
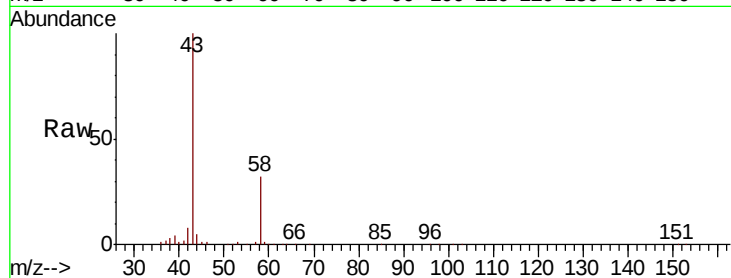
VSTD05096

Tot Ion: 43 Resp: 130958

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.0



#14

Carbon disulfide

Concen: 51.601 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018581.D

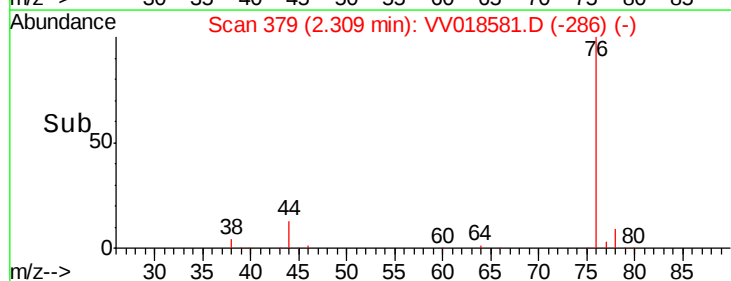
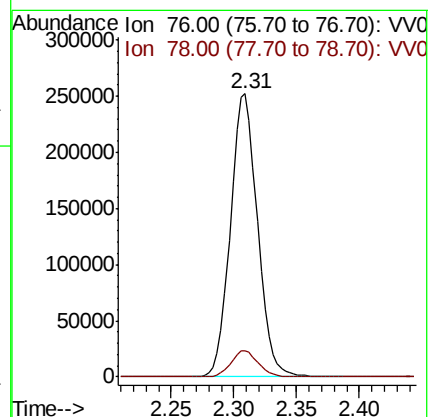
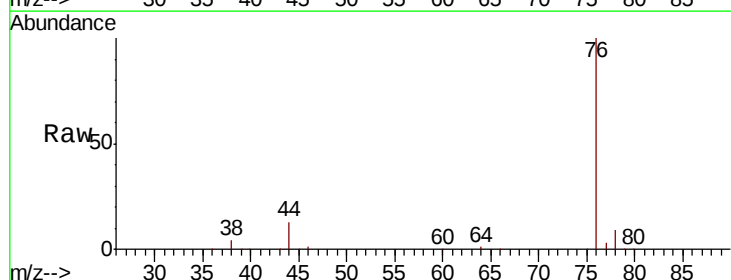
Acq: 01 Oct 2020 09:31

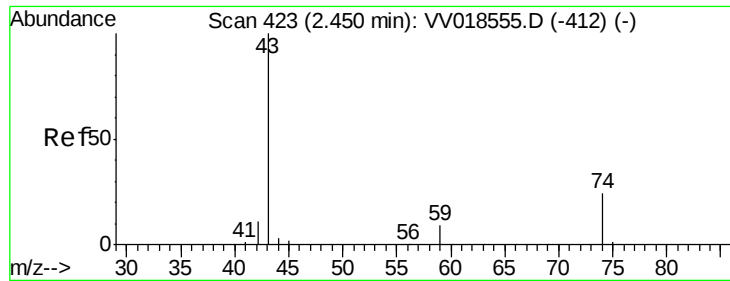
Tgt Ion: 76 Resp: 380163

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

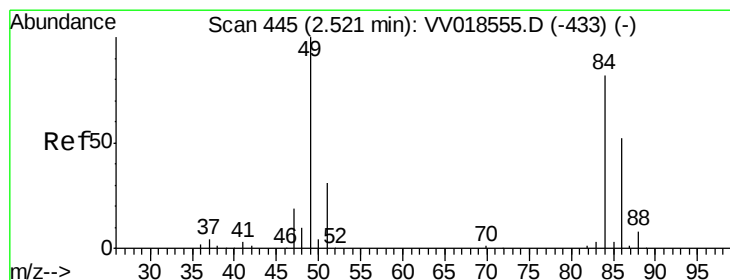
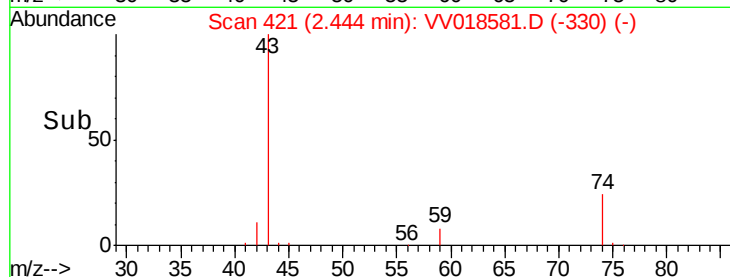
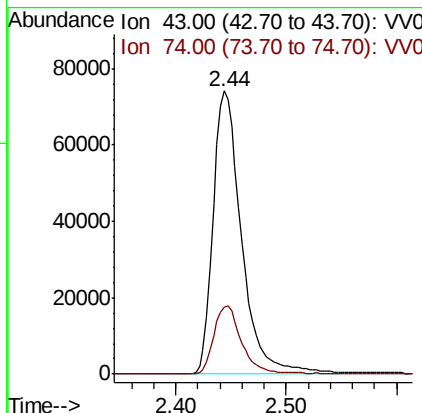
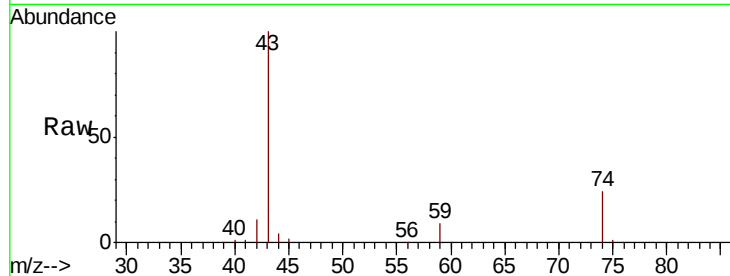




#15
Methvl Acetate
Concen: 49.574 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

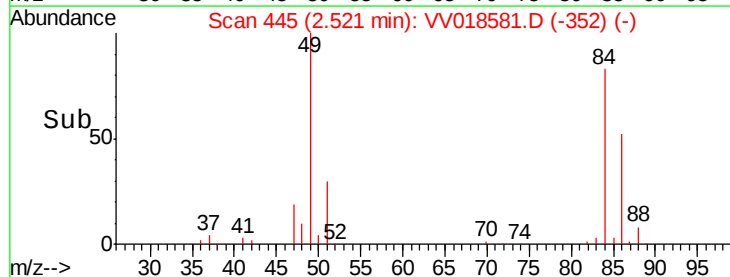
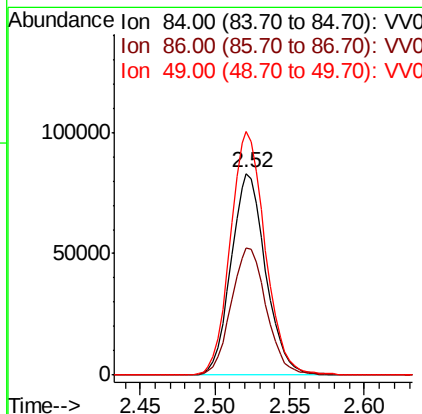
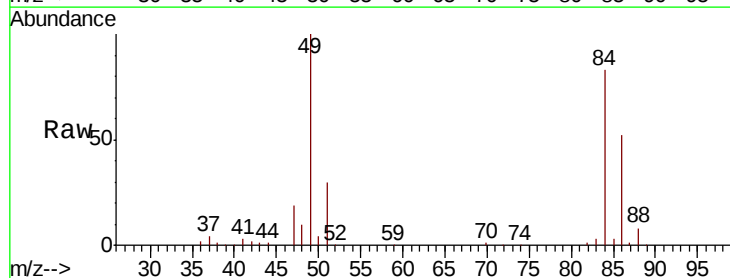
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

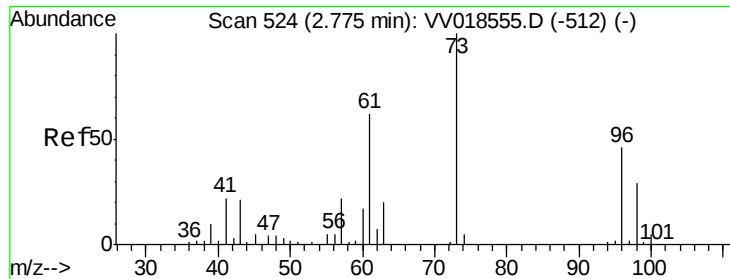
Tot Ion: 43 Resp: 131509
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8



#16
Methylene chloride
Concen: 48.898 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Tgt Ion: 84 Resp: 133474
Ion Ratio Lower Upper
84 100
86 63.0 46.2 85.8
49 120.8 86.6 160.8

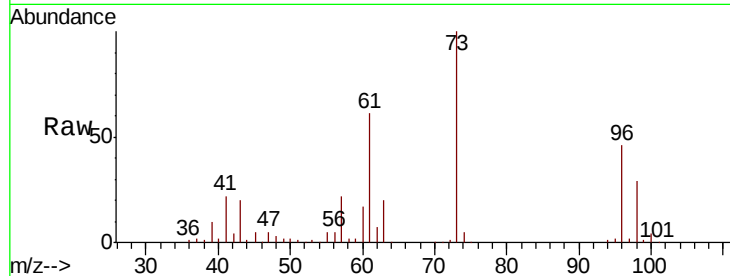




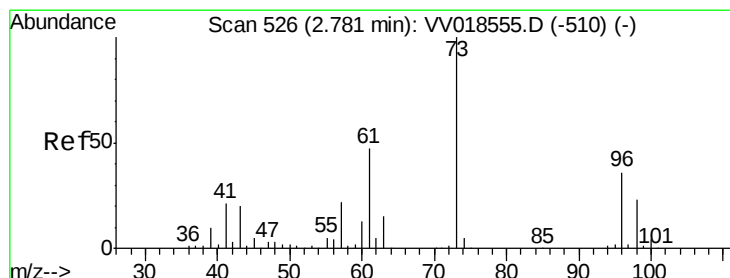
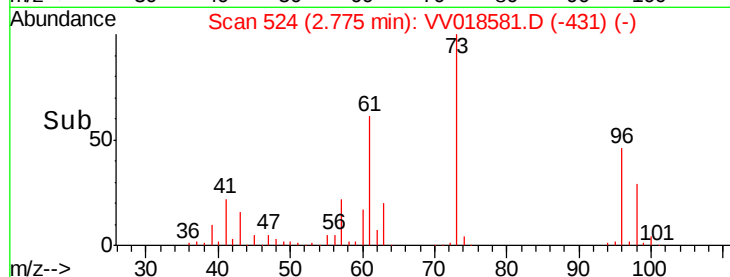
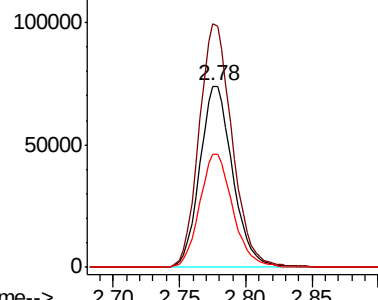
#17
trans-1,2-Dichloroethene
Concen: 48.986 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

Tot Ion: 96 Resp: 127480
Ion Ratio Lower Upper
96 100
61 134.6 95.0 176.4
98 62.5 44.6 82.8

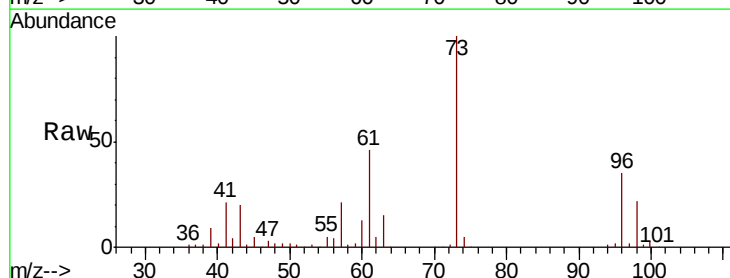


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

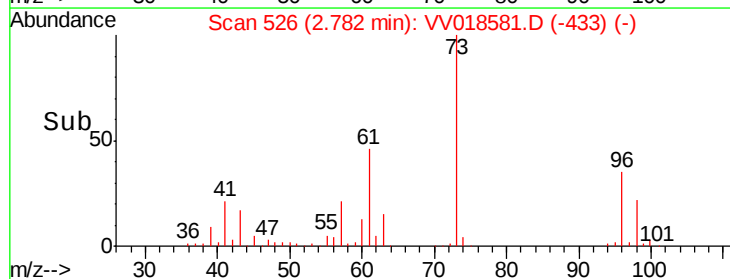
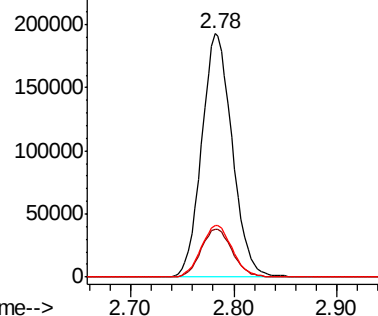


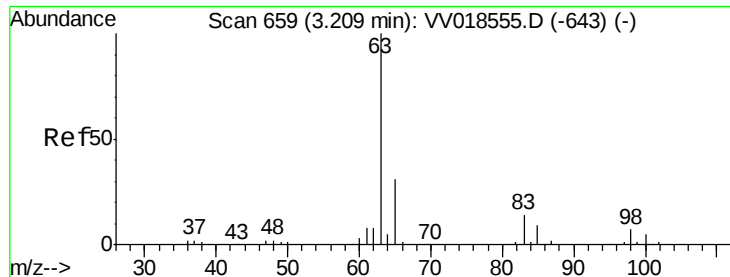
#18
Methyl tert-butyl Ether
Concen: 50.221 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Tgt Ion: 73 Resp: 398196
Ion Ratio Lower Upper
73 100
43 20.1 15.9 23.9
57 21.8 17.5 26.3



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

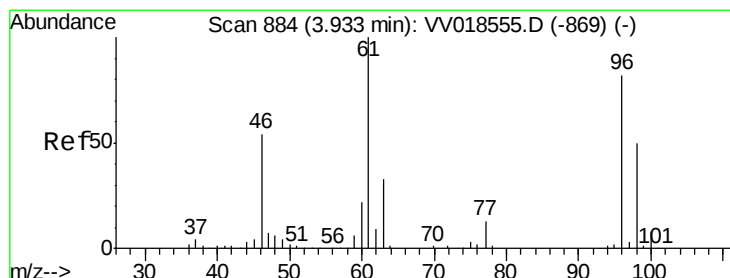
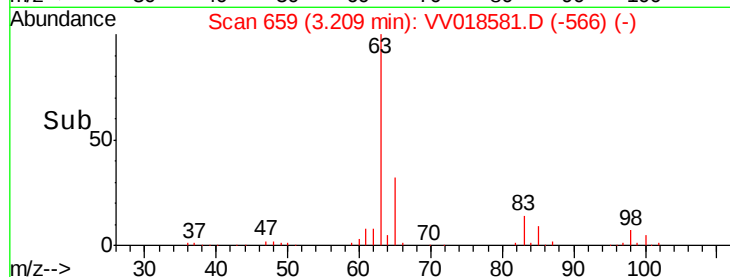
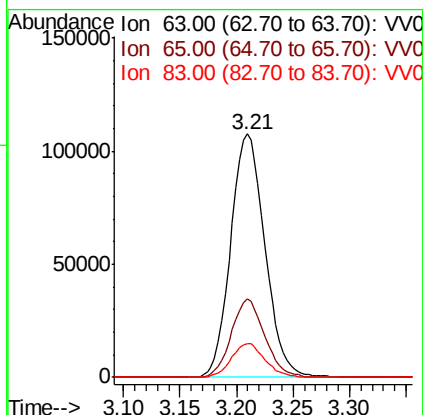
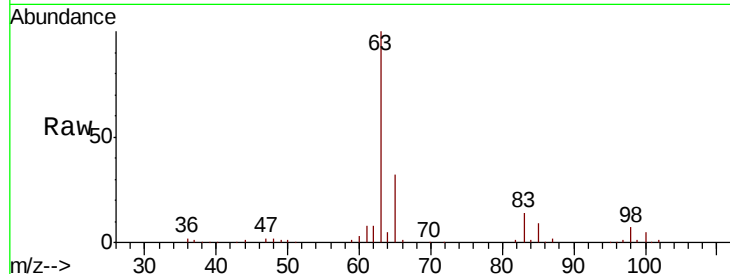




#19
 1,1-Dichloroethane
 Concen: 49.852 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

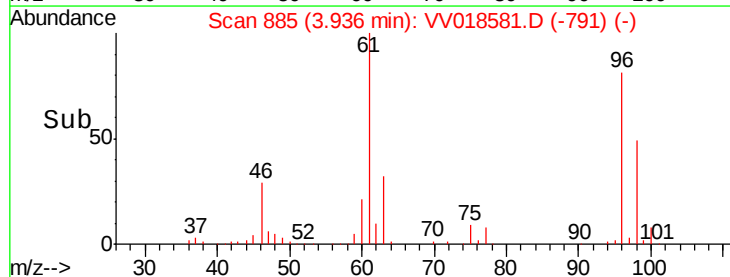
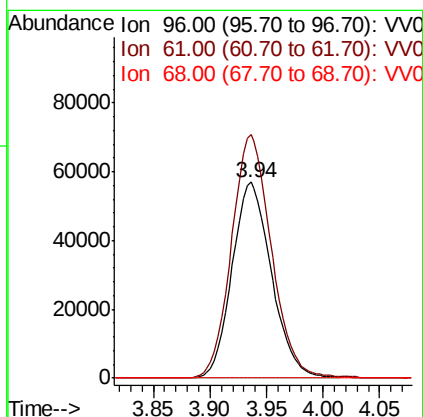
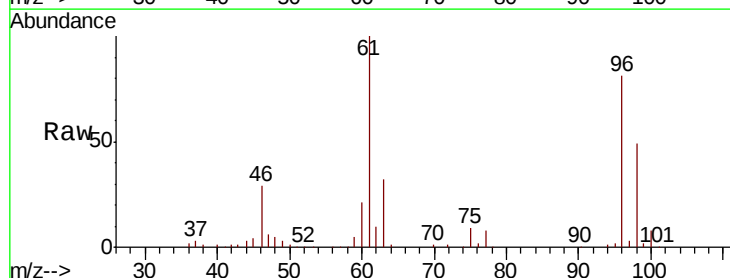
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

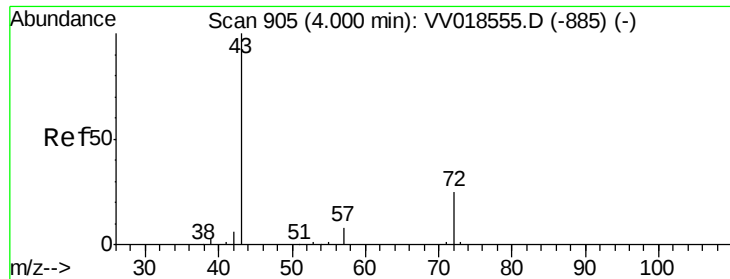
Tot Ion: 63 Resp: 227151
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.3 41.3
 83 13.8 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.920 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Tgt Ion: 96 Resp: 138063
 Ion Ratio Lower Upper
 96 100
 61 124.2 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 101.456 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

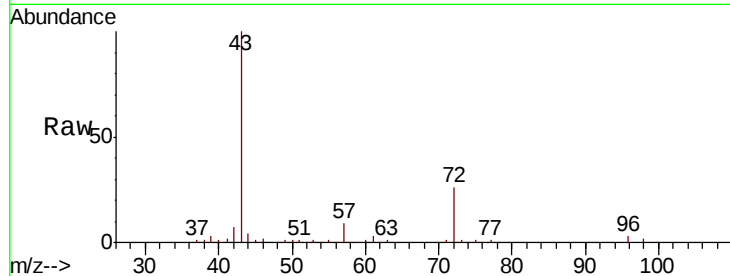
VSTD05096

Tot Ion: 43 Resp: 176479

Ion Ratio Lower Upper

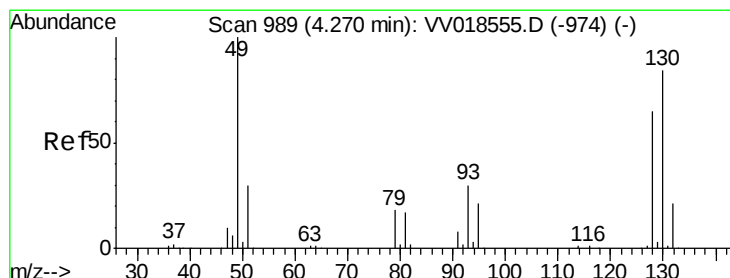
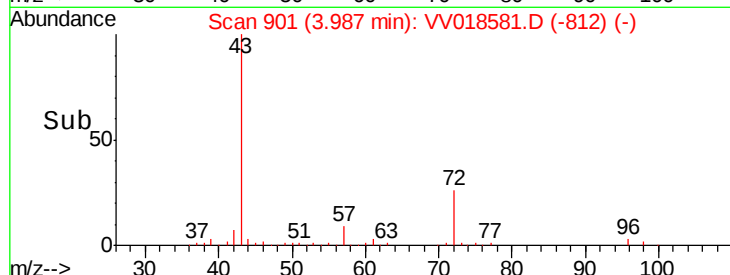
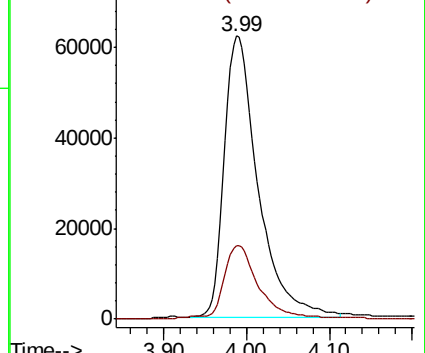
43 100

72 24.5 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018555.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018555.D (-885) (-)



#23

Bromochloromethane

Concen: 48.189 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Tgt Ion:128 Resp: 73288

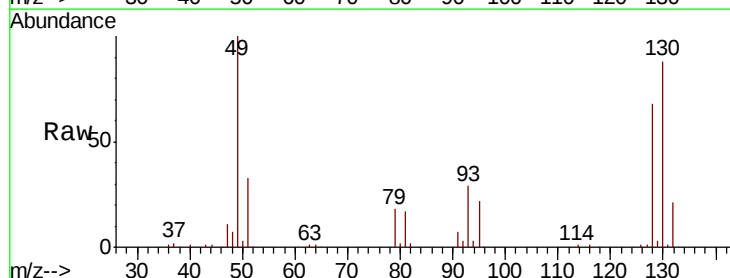
Ion Ratio Lower Upper

128 100

49 147.7 105.1 195.1

130 129.3 90.0 167.2

51 48.1 38.6 57.8

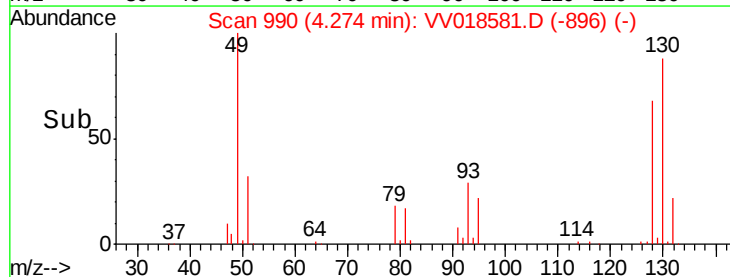
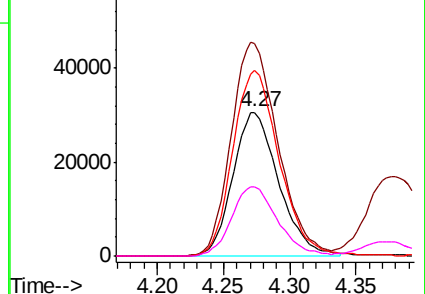


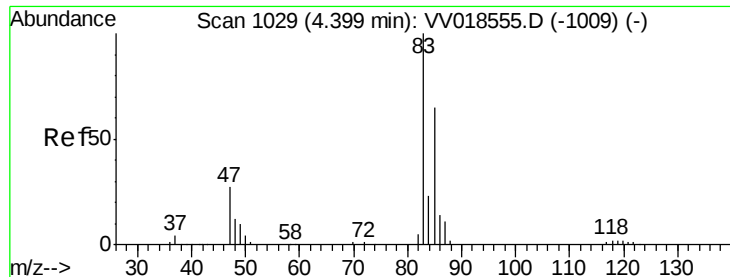
Abundance Ion 128.00 (127.70 to 128.70): VV018555.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV018555.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV018555.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV018555.D (-974) (-)

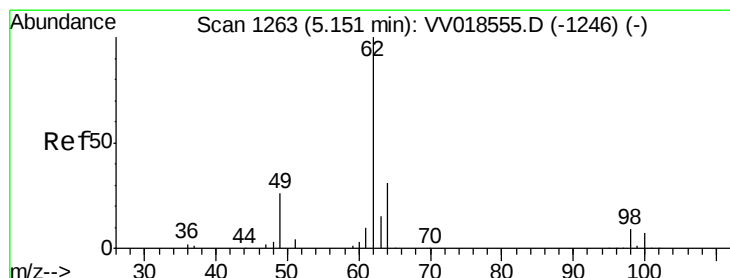
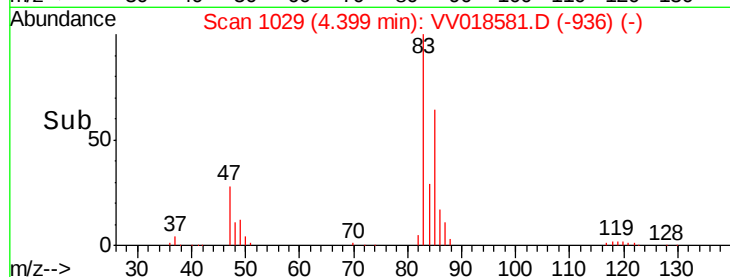
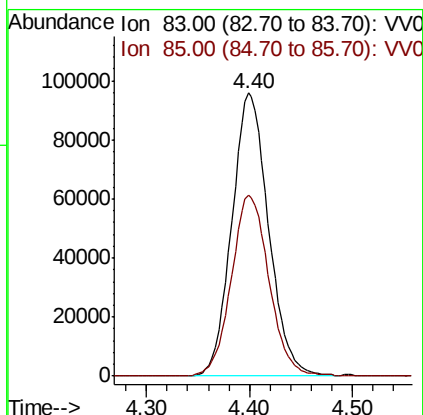
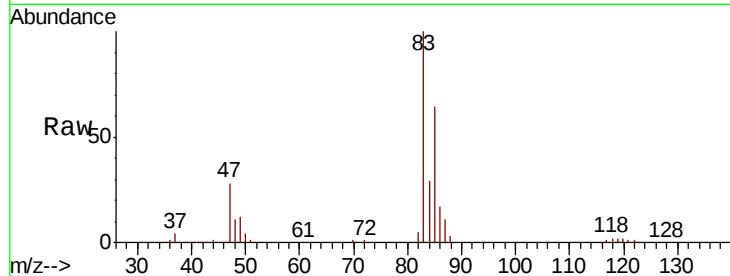




#25
Chloroform
Concen: 49.361 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

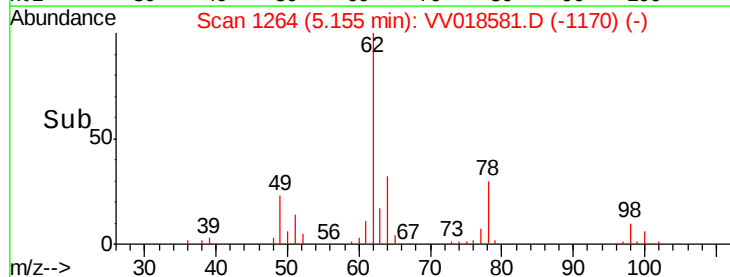
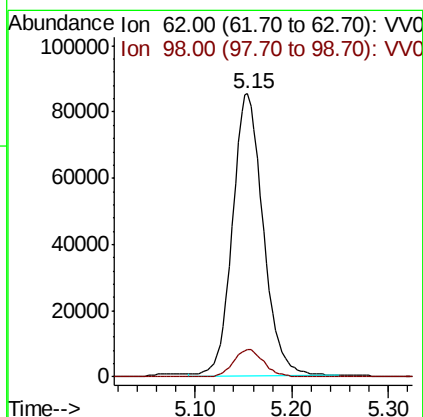
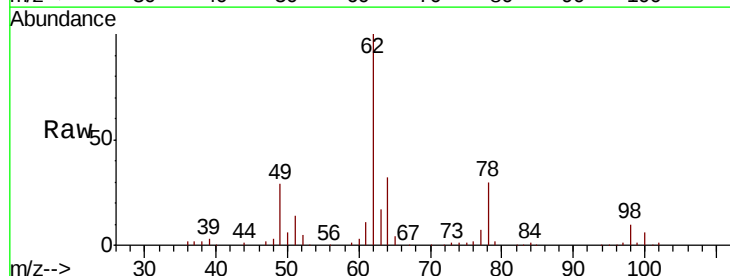
Instrument :
MSVOA_V
ClientSampled :
VSTD05096

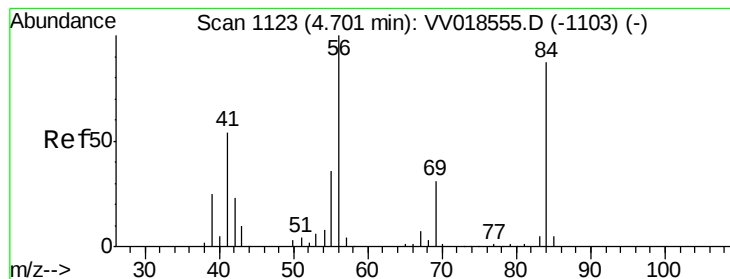
Tot Ion: 83 Resp: 237488
Ion Ratio Lower Upper
83 100
85 63.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 50.281 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Tgt Ion: 62 Resp: 188560
Ion Ratio Lower Upper
62 100
98 9.8 7.7 11.5





#29

Cyclohexane

Concen: 49.413 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

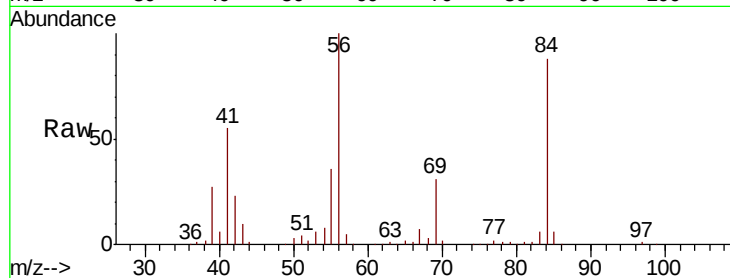
Tot Ion: 56 Resp: 198229

Ion Ratio Lower Upper

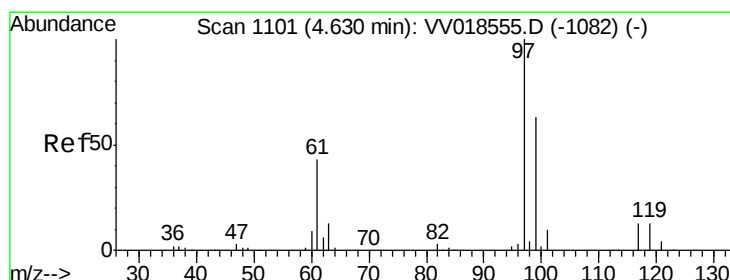
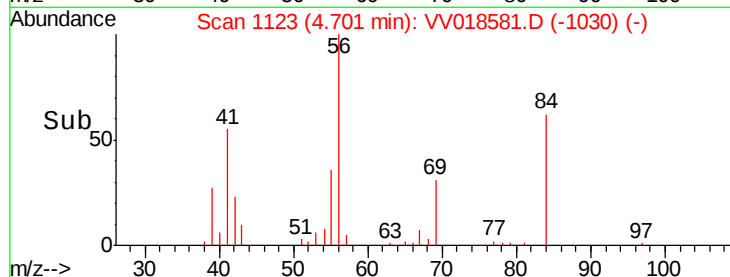
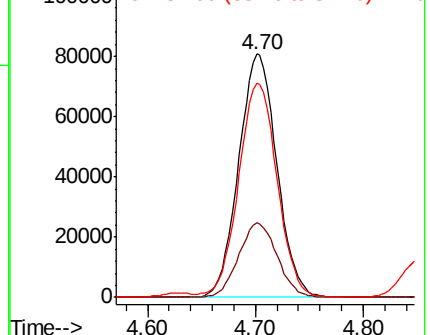
56 100

69 30.9 24.8 37.2

84 89.1 72.2 108.4



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



#30

1,1,1-Trichloroethane

Concen: 49.386 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

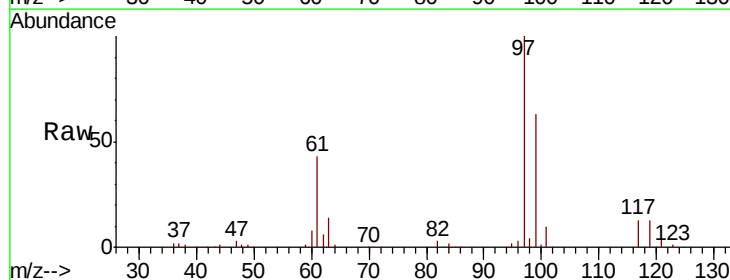
Tgt Ion: 97 Resp: 215653

Ion Ratio Lower Upper

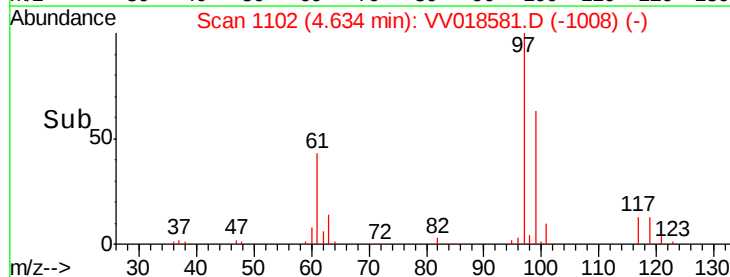
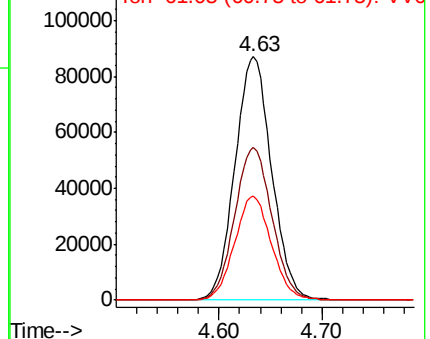
97 100

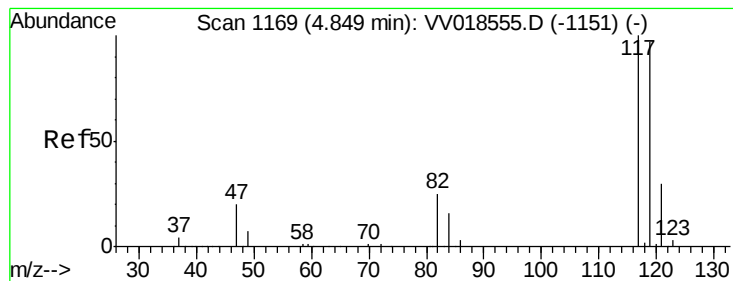
99 63.8 51.4 77.0

61 43.0 33.9 50.9



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





#31

Carbon tetrachloride

Concen: 48.488 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

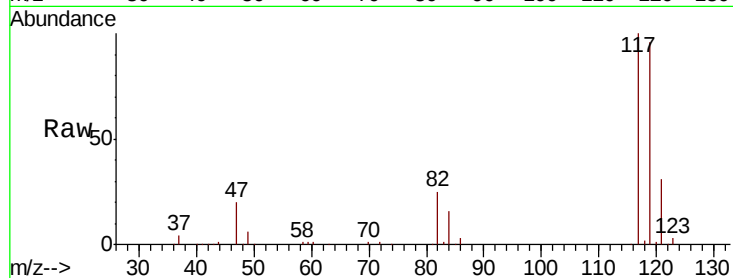
VSTD05096

Tot Ion:117 Resp: 190025

Ion Ratio Lower Upper

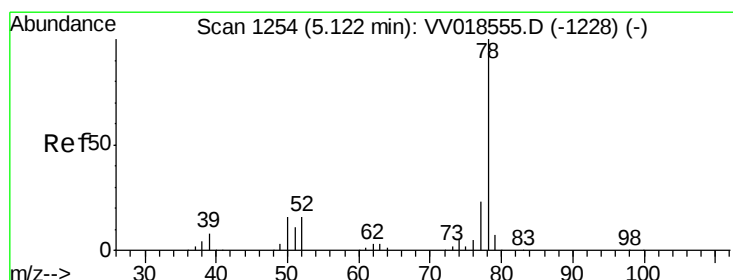
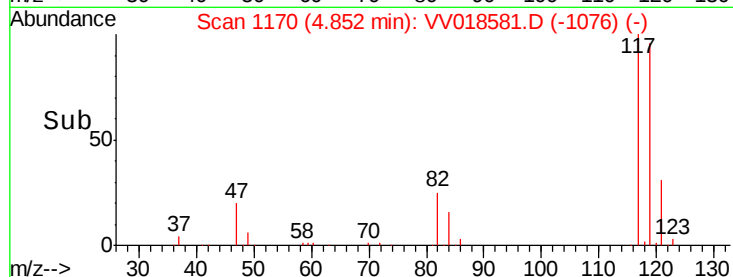
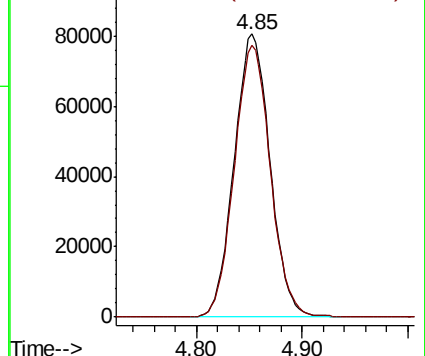
117 100

119 96.4 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.462 ug/L

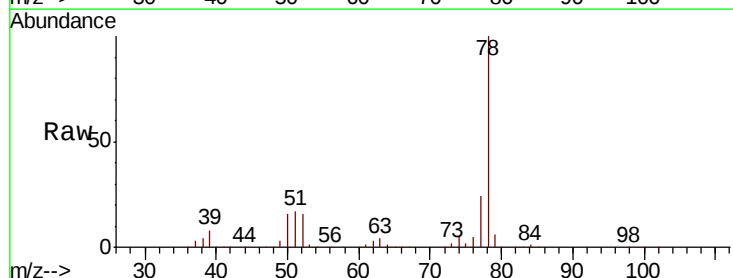
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

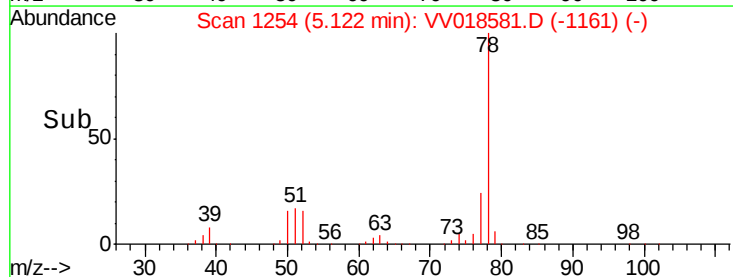
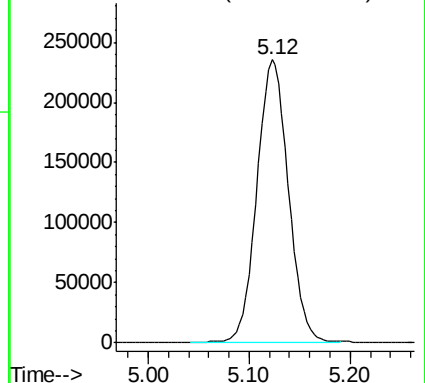
Lab File: VV018581.D

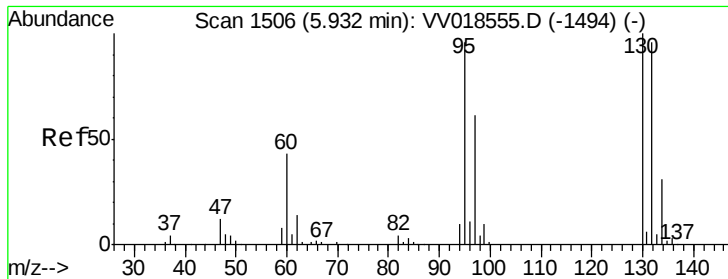
Acq: 01 Oct 2020 09:31

Tgt Ion: 78 Resp: 511119



Abundance Ion 78.00 (77.70 to 78.70): VV0

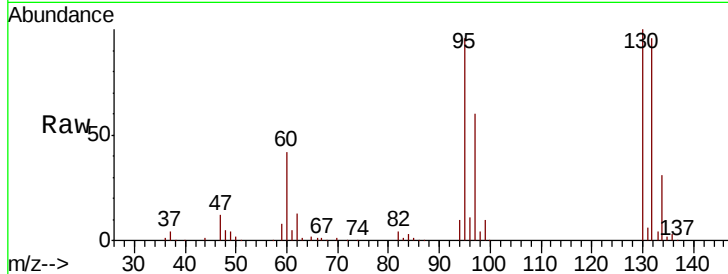




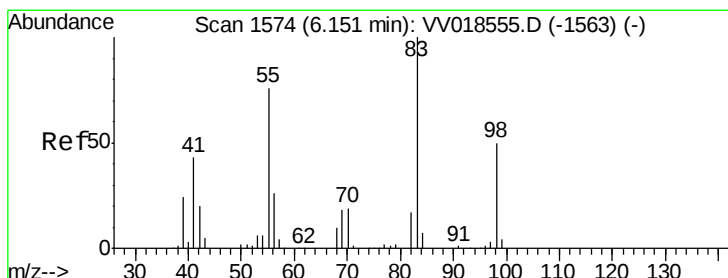
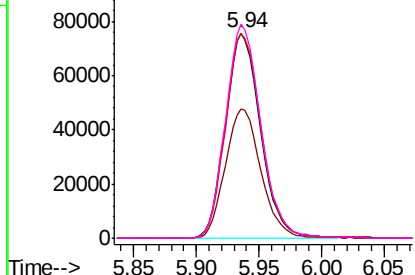
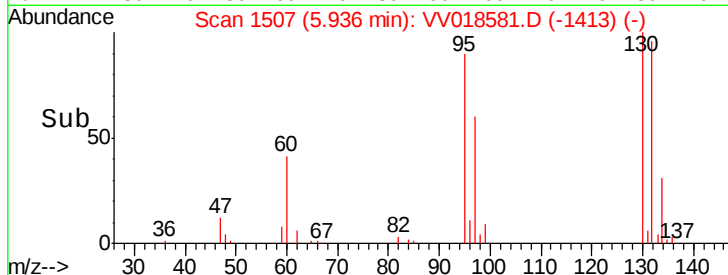
#34
 Trichloroethene
 Concen: 49.113 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Tot Ion: 95 Resp: 147339
 Ion Ratio Lower Upper
 95 100
 97 62.9 45.9 85.3
 132 99.6 70.8 131.4
 130 104.2 75.3 139.8

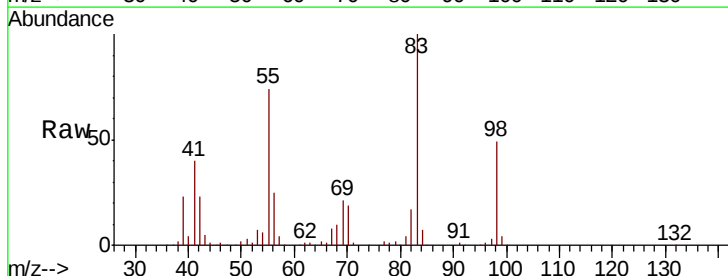


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

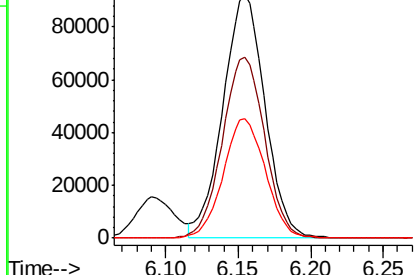
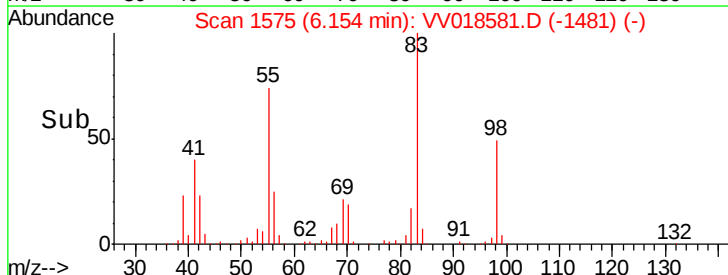


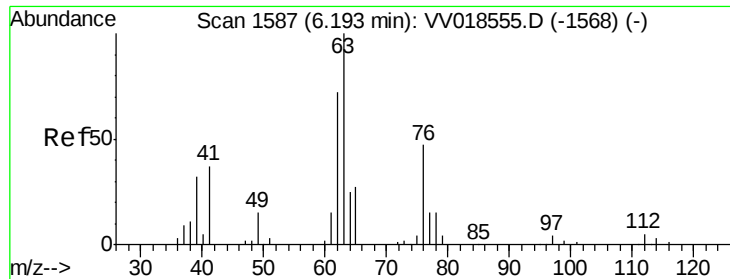
#35
 Methylcyclohexane
 Concen: 45.667 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Tgt Ion: 83 Resp: 184815
 Ion Ratio Lower Upper
 83 100
 55 75.3 60.1 90.1
 98 49.2 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

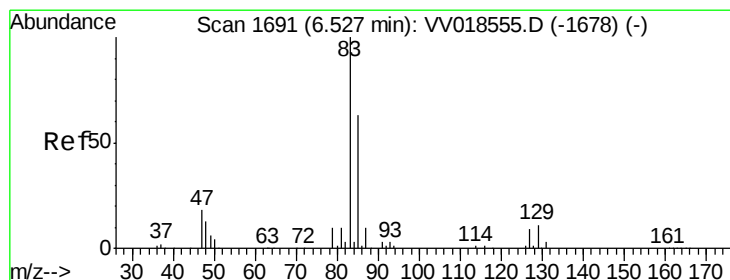
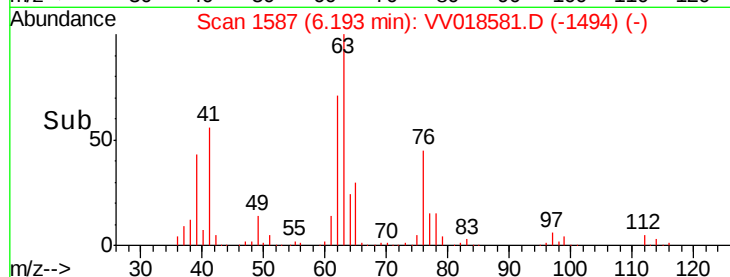
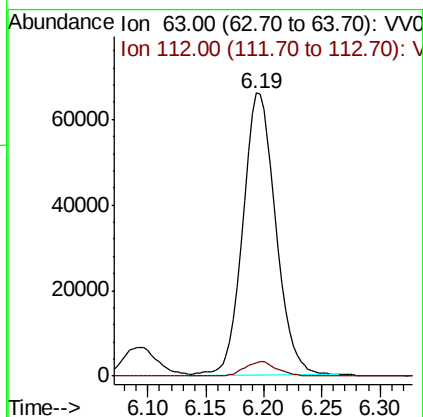
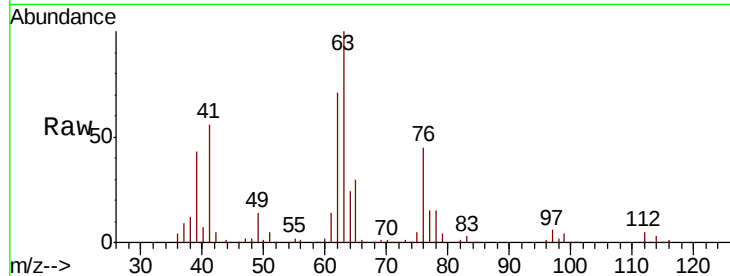




#37
 1,2-Dichloropropane
 Concen: 49.002 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

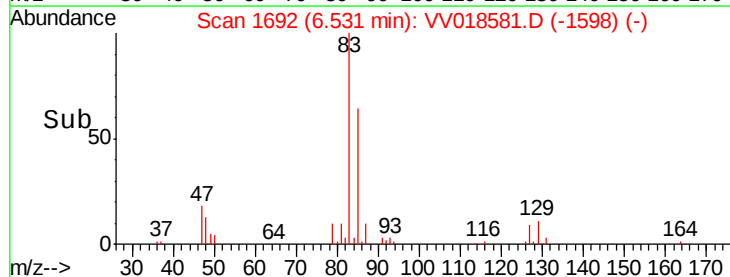
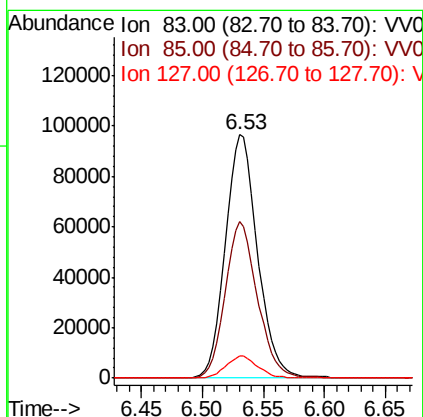
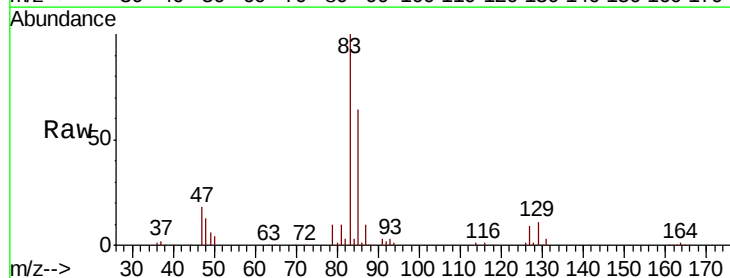
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

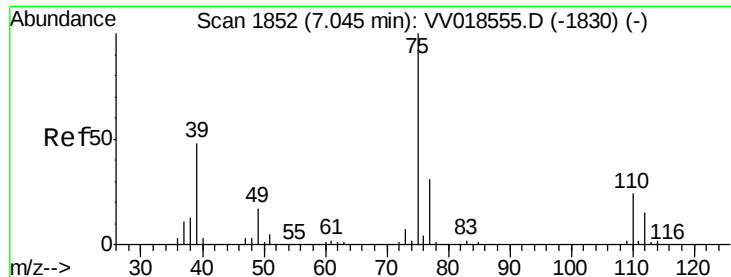
Tot Ion: 63 Resp: 129915
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#38
 Bromodichloromethane
 Concen: 50.216 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Tgt Ion: 83 Resp: 178295
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.5 82.7
 127 9.0 7.2 10.8

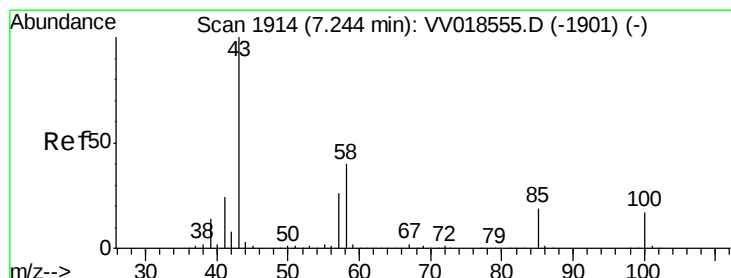
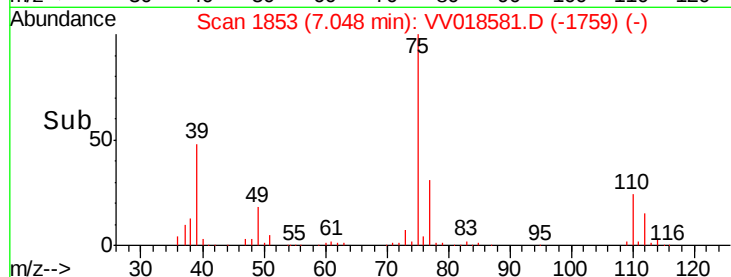
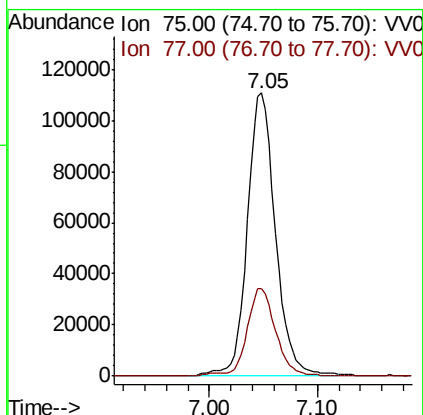
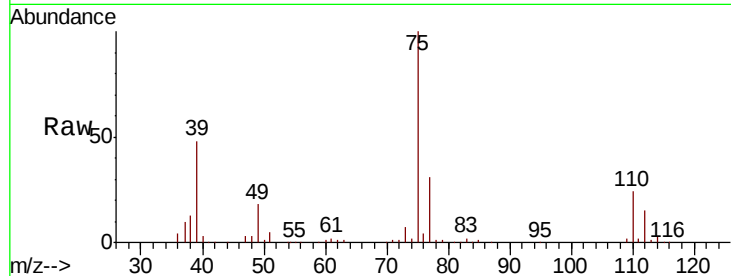




#39
 cis-1,3-Dichloropropene
 Concen: 48.277 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

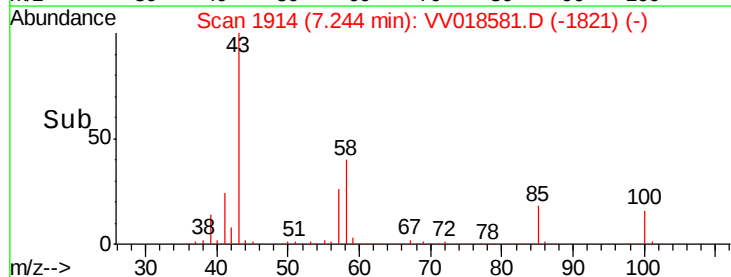
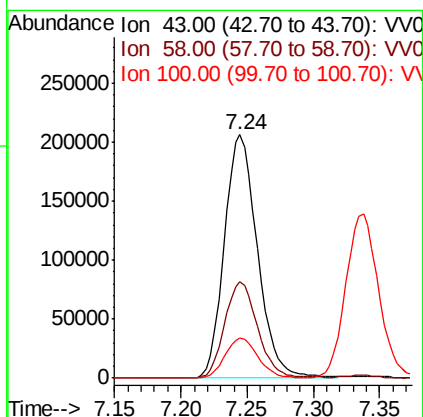
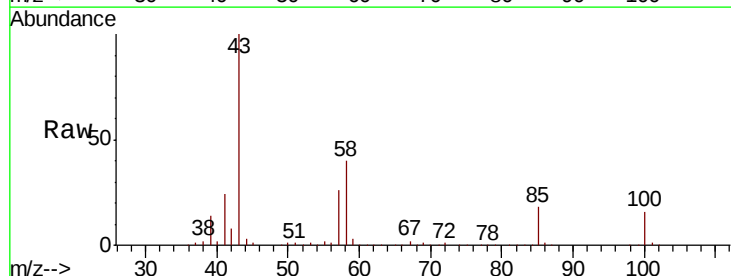
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

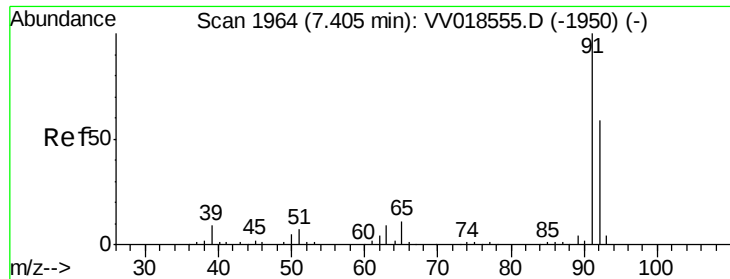
Tot Ion: 75 Resp: 200813
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 104.586 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Tgt Ion: 43 Resp: 357788
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.6
 100 16.4 13.4 20.0





#42

Toluene

Concen: 50.183 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

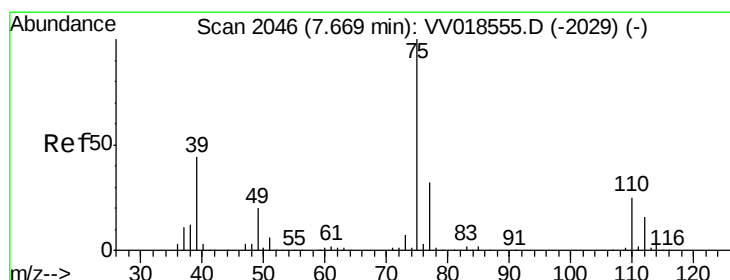
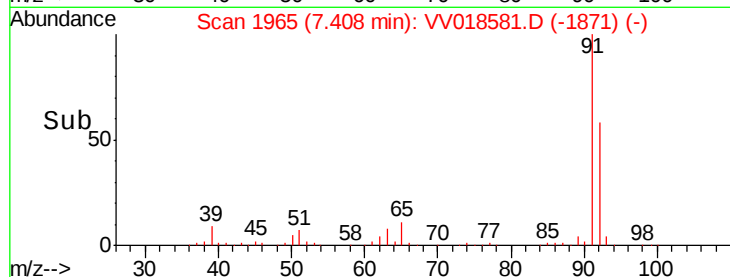
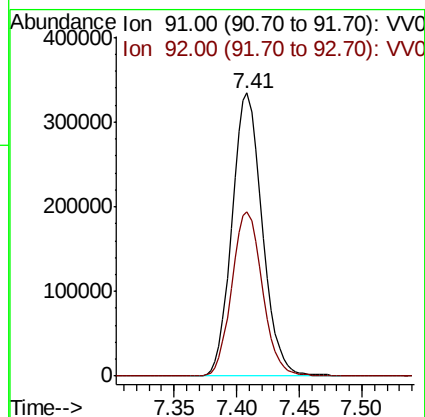
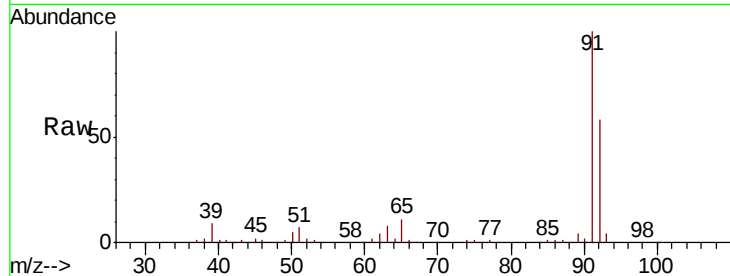
VSTD05096

Tot Ion: 91 Resp: 560988

Ion Ratio Lower Upper

91 100

92 58.0 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 48.822 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018581.D

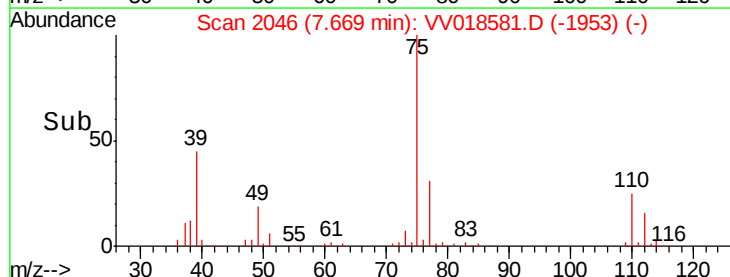
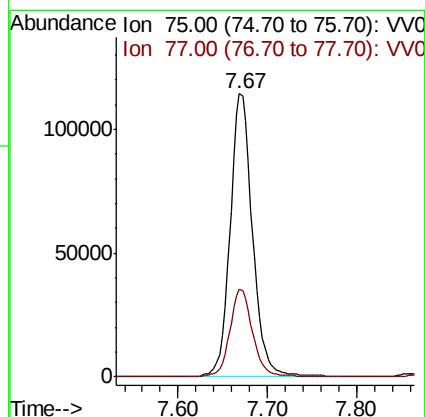
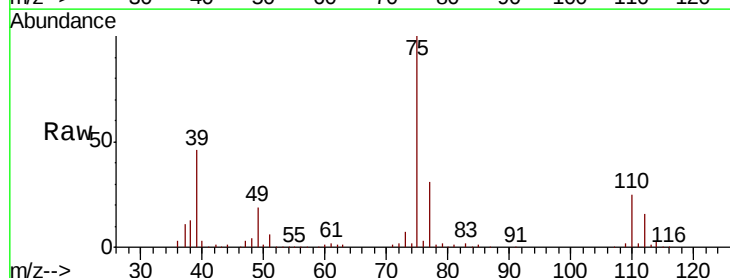
Acq: 01 Oct 2020 09:31

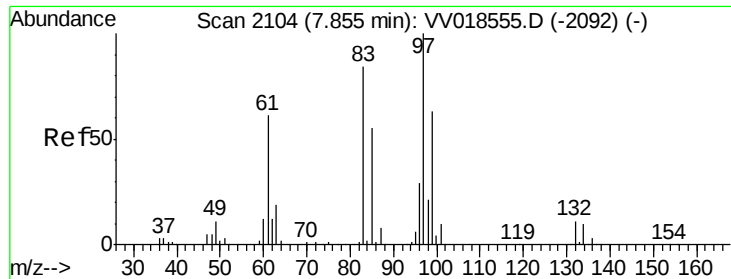
Tgt Ion: 75 Resp: 199489

Ion Ratio Lower Upper

75 100

77 30.9 22.7 42.1

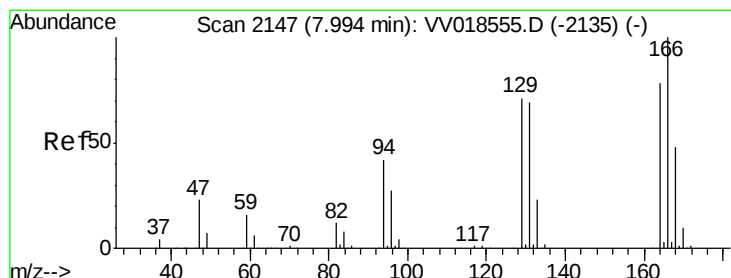
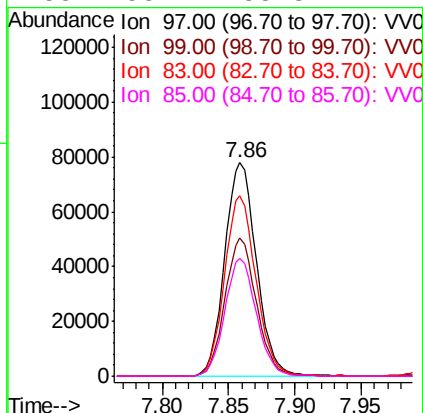
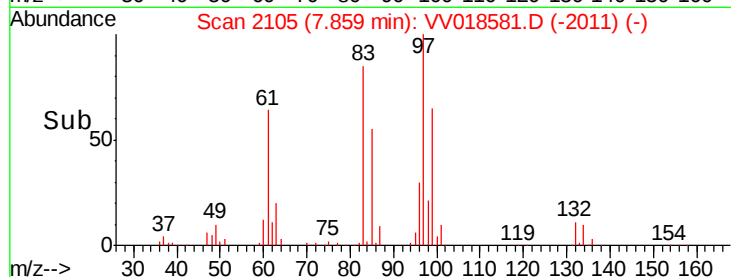
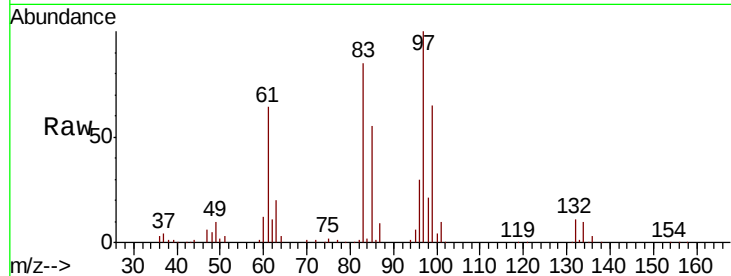




#45
1,1,2-Trichloroethane
Concen: 49.500 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

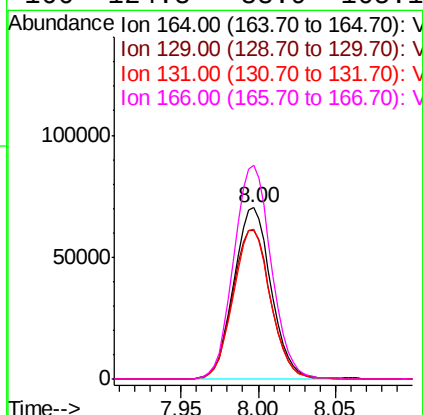
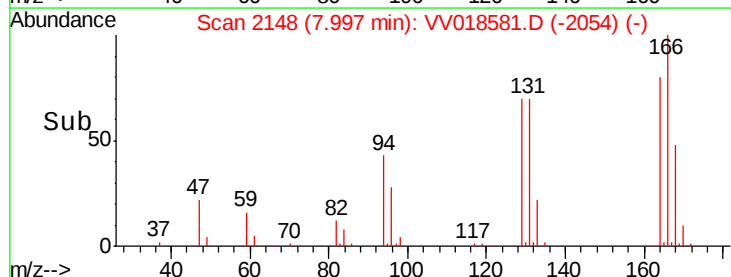
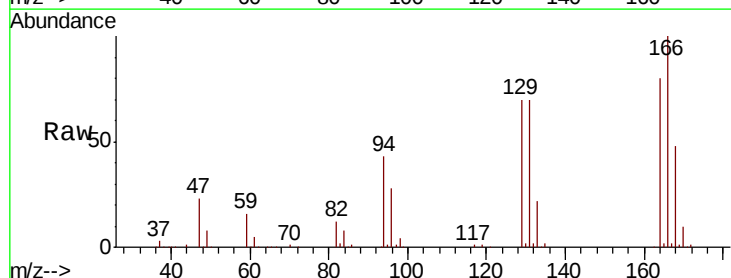
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

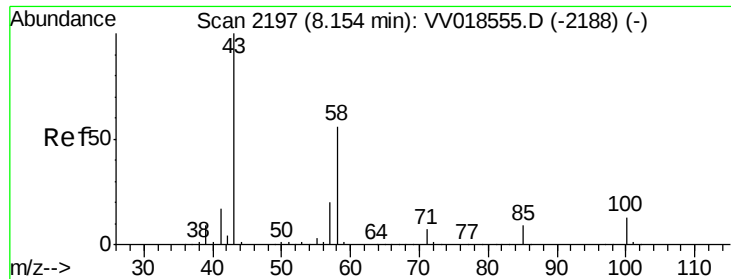
Tot Ion:	97	Resp:	129914
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.3	80.3
83	84.6	60.5	112.5
85	55.4	38.3	71.1



#46
Tetrachloroethene
Concen: 48.411 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Tgt Ion:	164	Resp:	117824
Ion	Ratio	Lower	Upper
164	100		
129	86.9	62.8	116.6
131	87.6	60.8	112.8
166	124.8	88.9	165.1

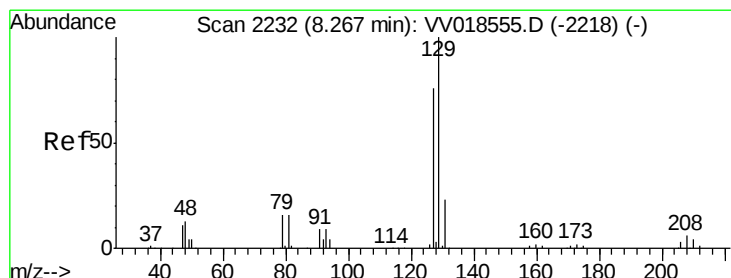
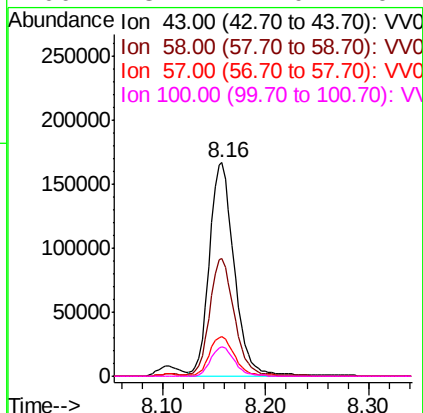
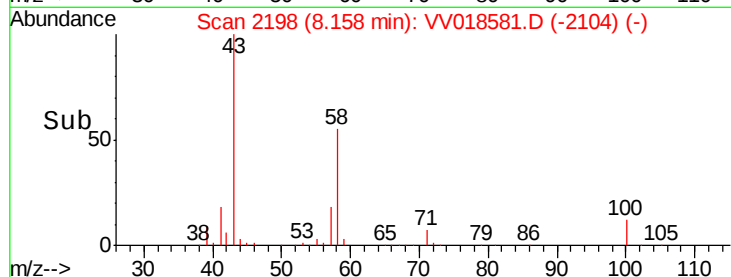
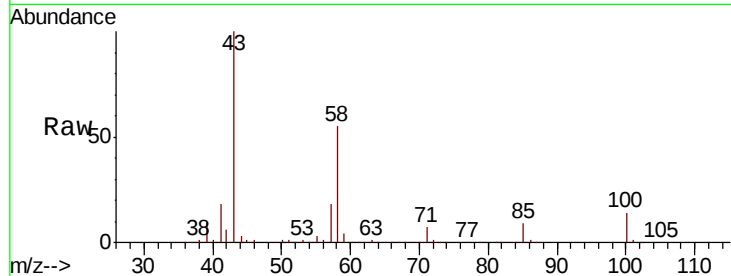




#48
2-Hexanone
Concen: 104.515 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

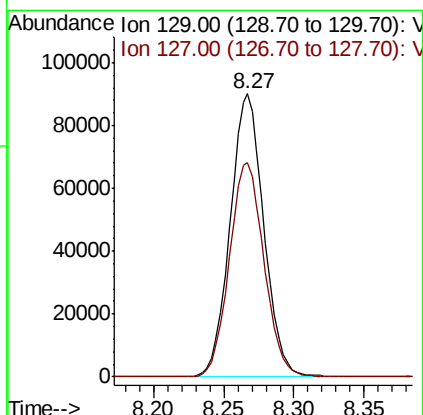
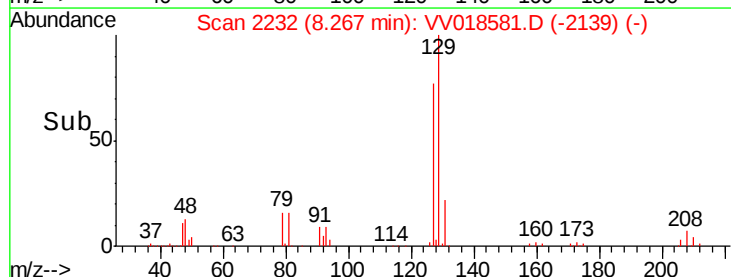
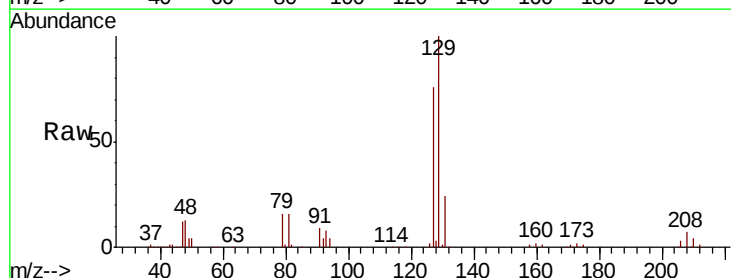
Instrument :
MSVOA_V
ClientSampleId :
VSTD05096

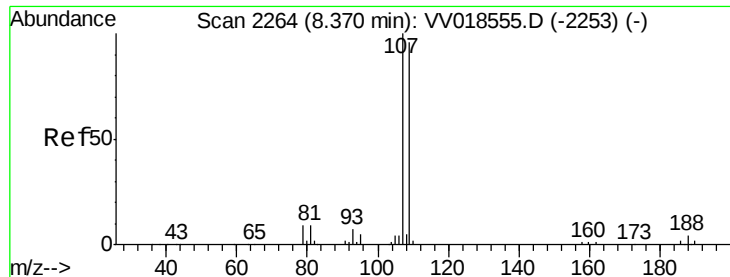
Tot Ion: 43 Resp: 278973
Ion Ratio Lower Upper
43 100
58 54.0 45.1 67.7
57 18.6 15.7 23.5
100 13.2 11.0 16.4



#49
Dibromochloromethane
Concen: 49.972 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018581.D
Acq: 01 Oct 2020 09:31

Tgt Ion: 129 Resp: 150008
Ion Ratio Lower Upper
129 100
127 75.6 54.1 100.5

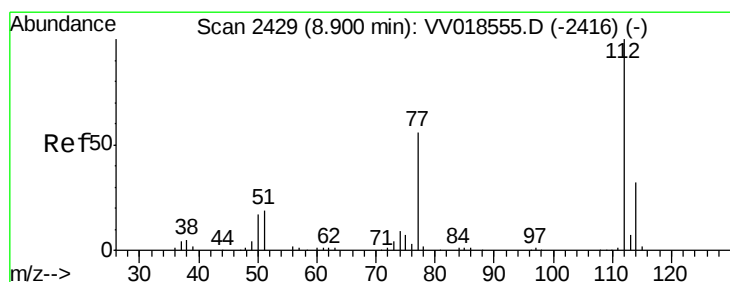
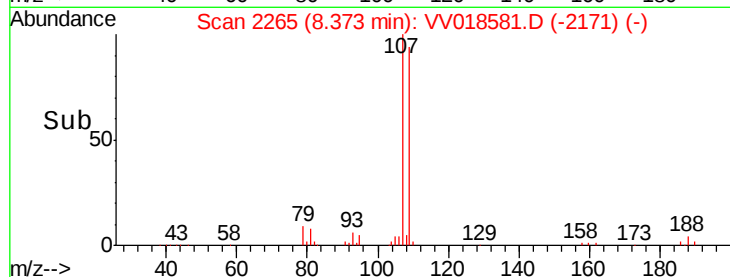
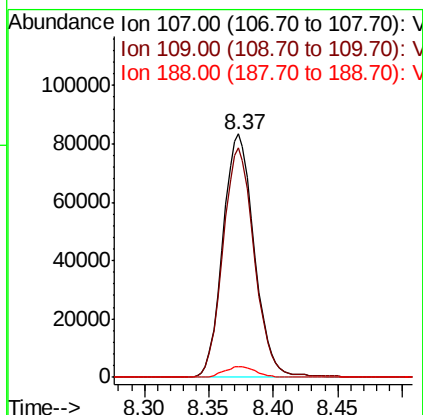
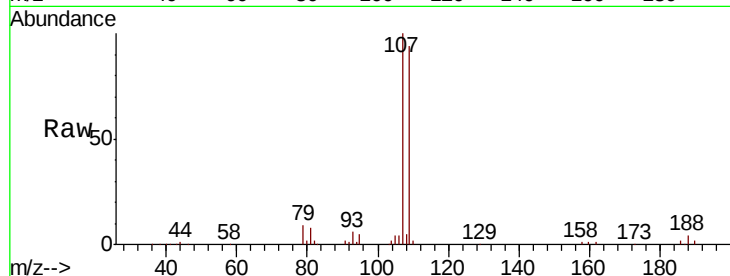




#50
 1,2-Dibromoethane
 Concen: 50.428 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

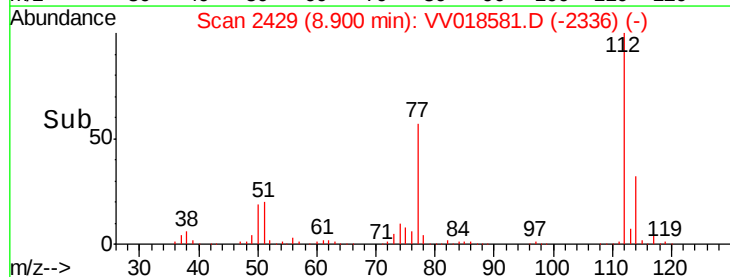
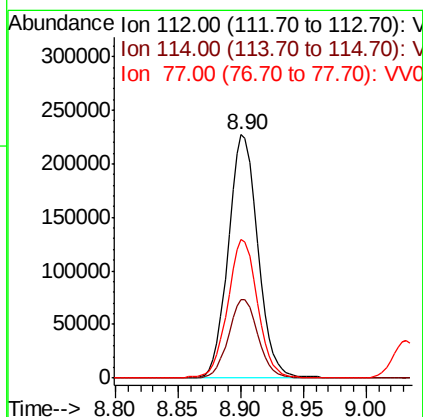
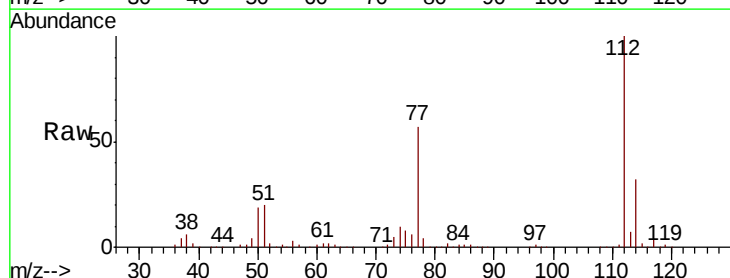
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05096

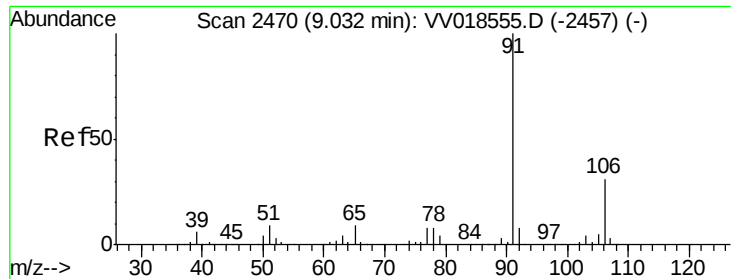
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	65.1	120.9
188	4.5	3.7	5.5



#51
 Chlorobenzene
 Concen: 49.221 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	57.0	44.8	67.2





#52

Ethylbenzene

Concen: 49.796 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

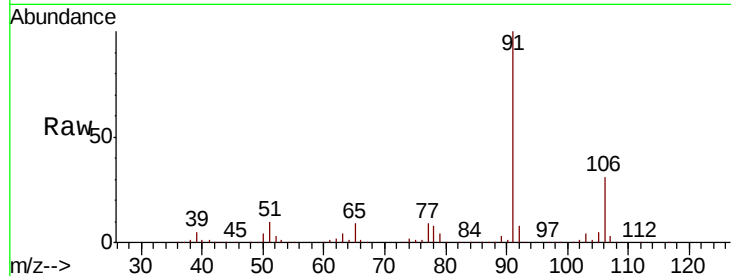
VSTD05096

Tot Ion: 91 Resp: 621653

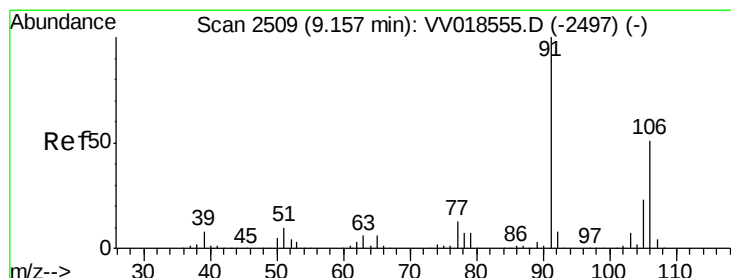
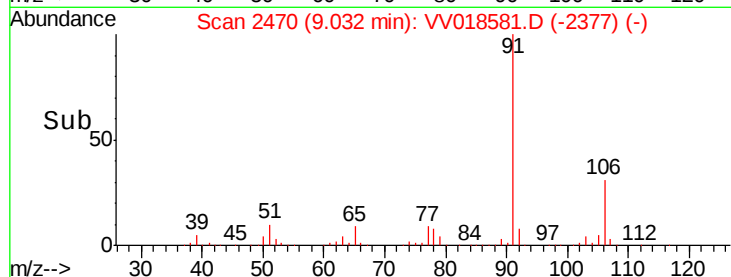
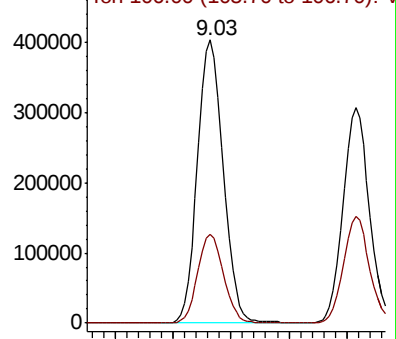
Ion Ratio Lower Upper

91 100

106 31.4 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018581.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.441 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018581.D

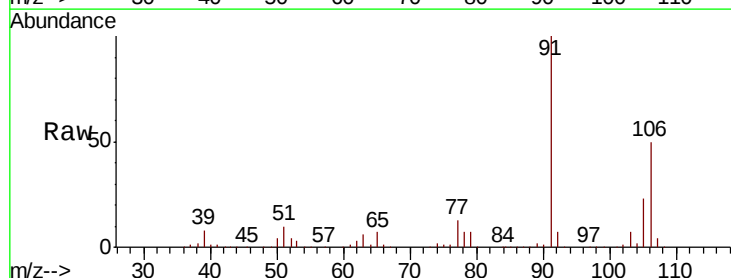
Acq: 01 Oct 2020 09:31

Tgt Ion: 106 Resp: 238535

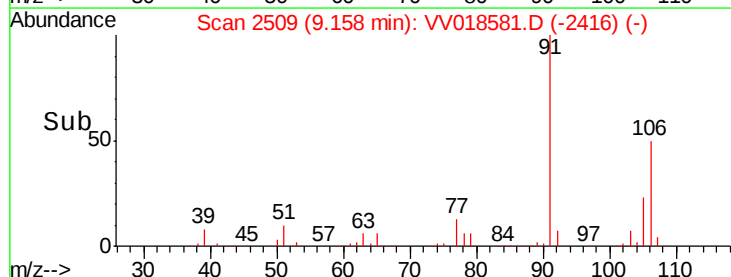
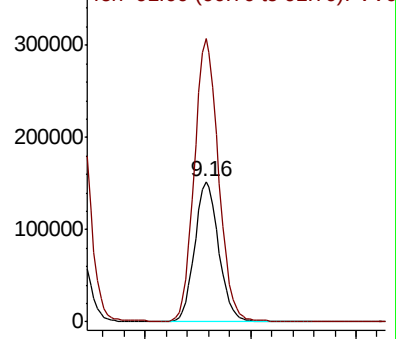
Ion Ratio Lower Upper

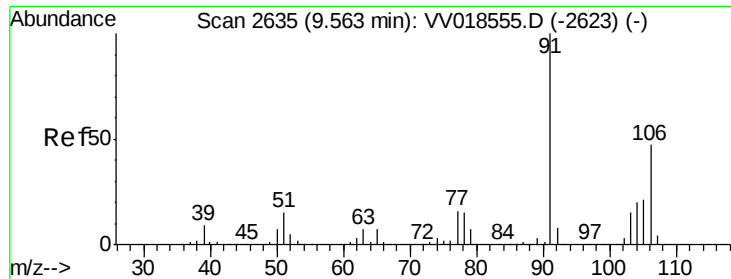
106 100

91 201.4 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018581.D (-2416) (-)





#54

o-xylene

Concen: 50.857 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

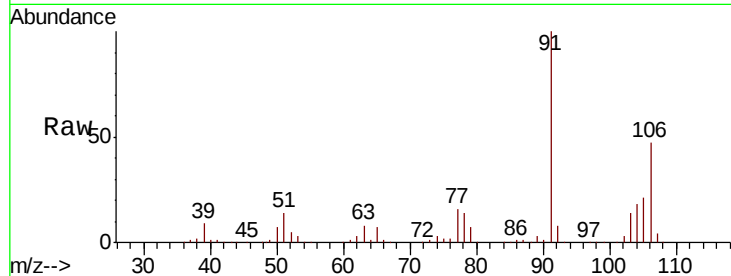
VSTD05096

Tot Ion:106 Resp: 232302

Ion Ratio Lower Upper

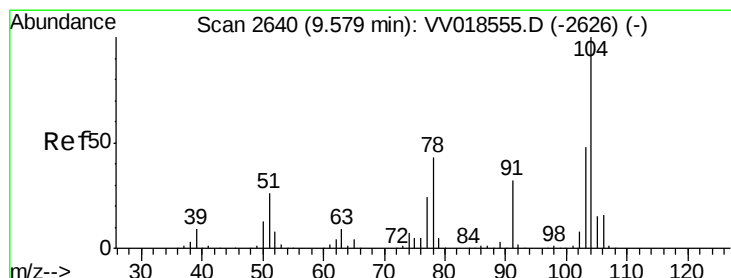
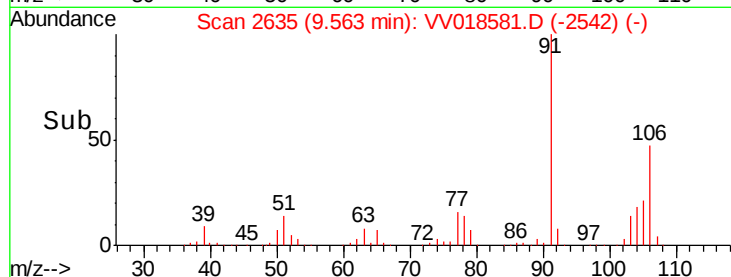
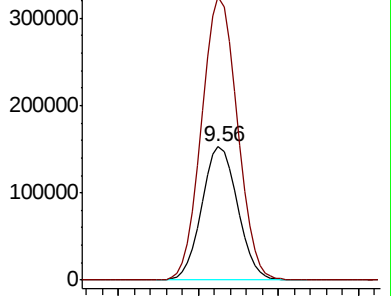
106 100

91 212.1 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.225 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018581.D

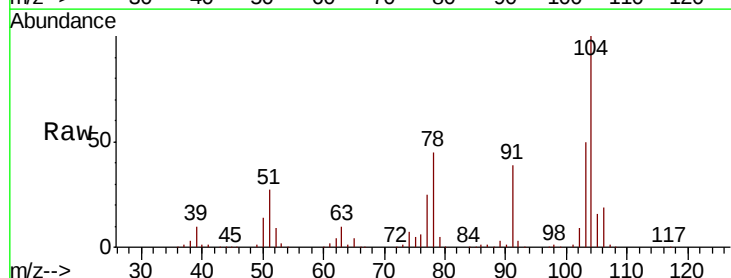
Acq: 01 Oct 2020 09:31

Tgt Ion:104 Resp: 407417

Ion Ratio Lower Upper

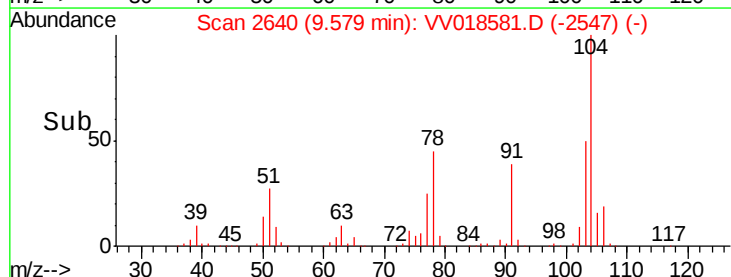
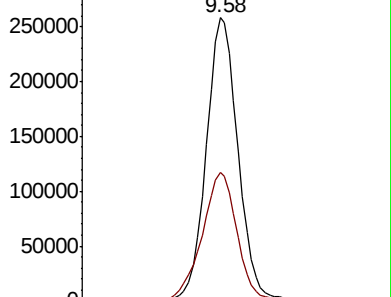
104 100

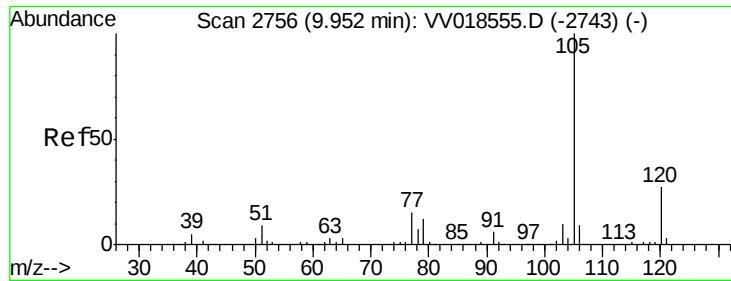
78 45.5 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.502 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleID :

VSTD05096

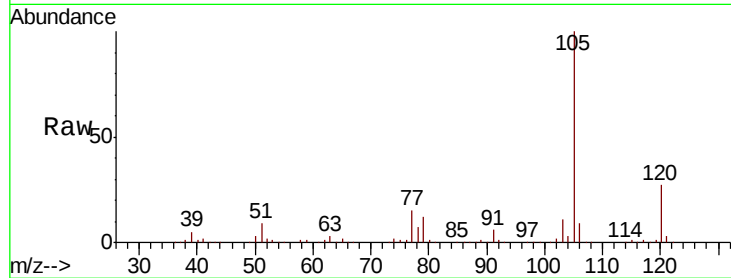
Tot Ion:105 Resp: 606411

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

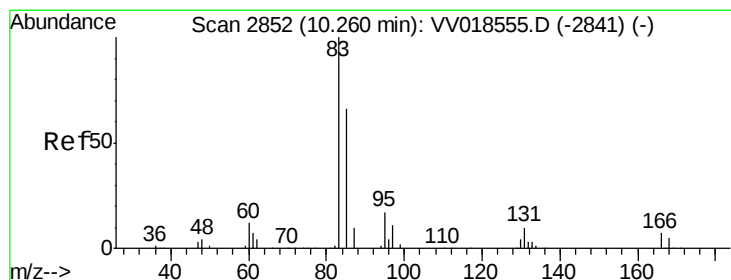
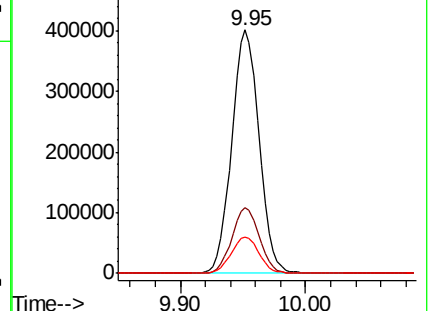
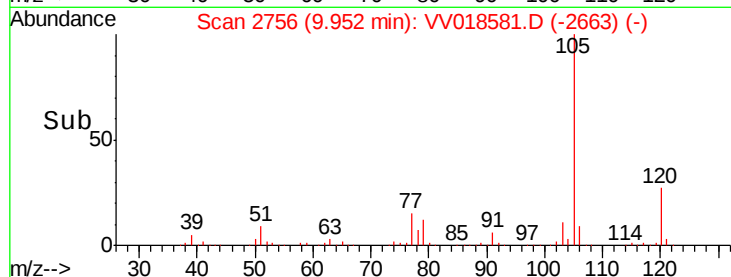
77 15.3 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.804 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

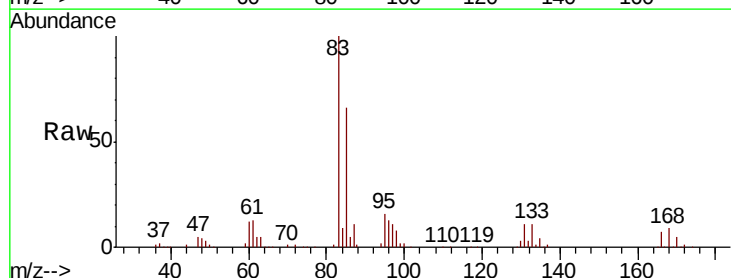
Tgt Ion: 83 Resp: 184243

Ion Ratio Lower Upper

83 100

85 65.8 44.5 82.7

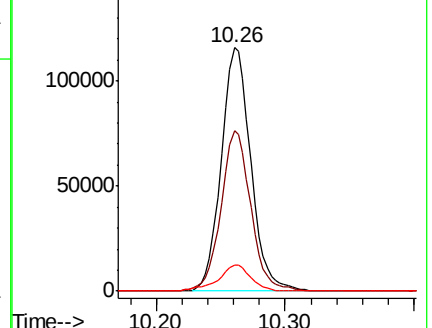
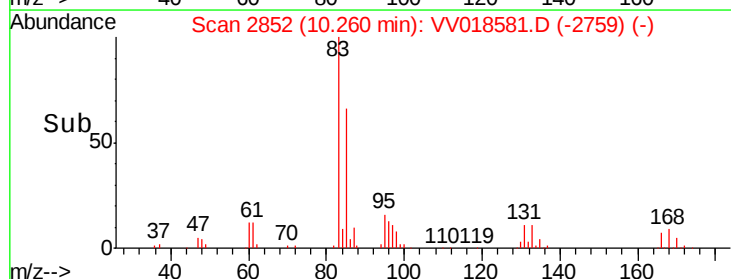
131 10.5 8.6 12.8

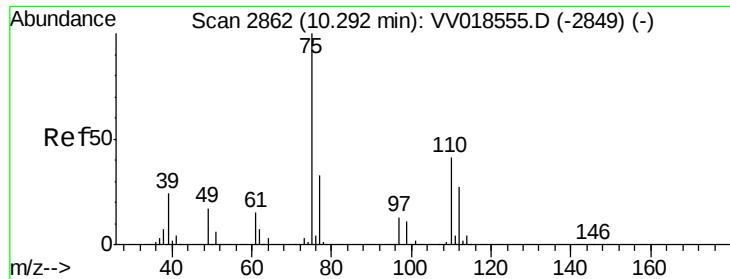


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.649 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

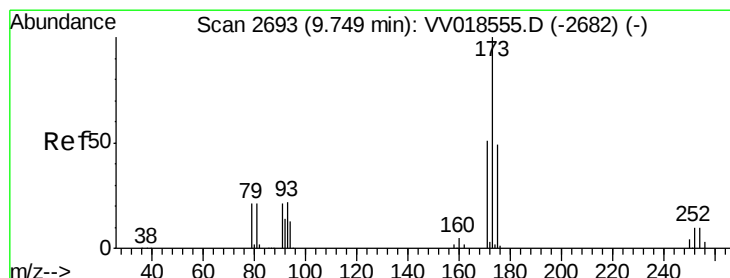
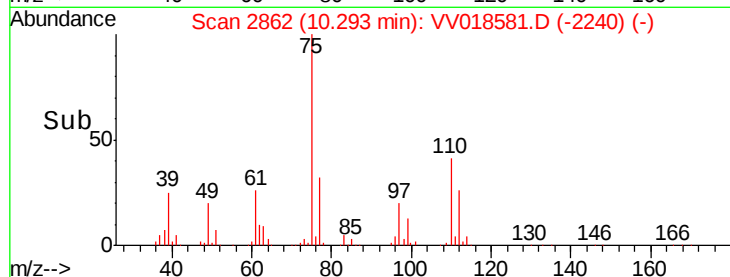
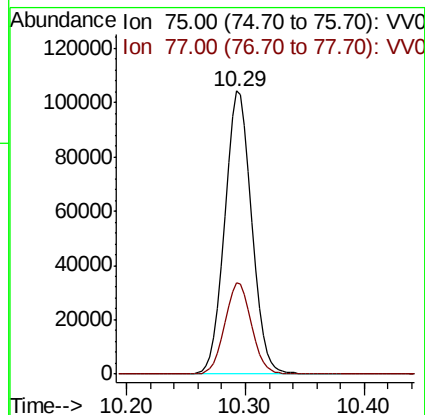
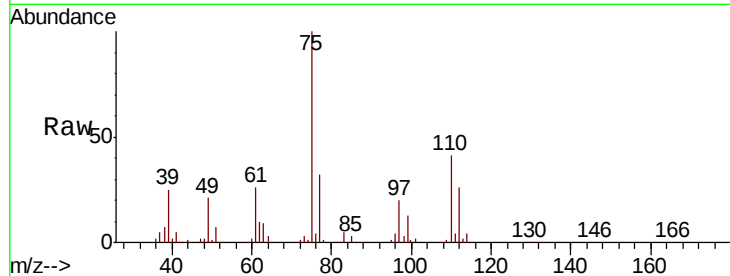
VSTD05096

Tot Ion: 75 Resp: 163334

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#61

Bromoform

Concen: 51.431 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

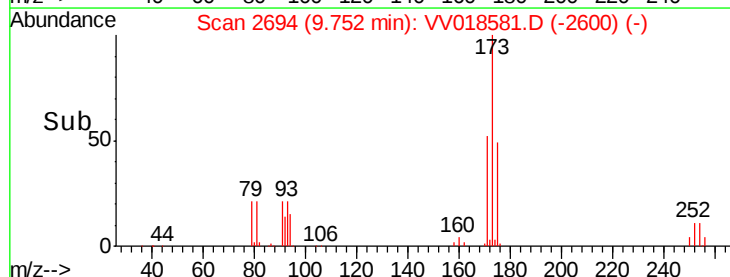
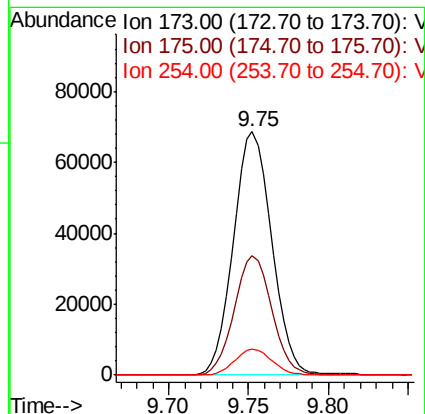
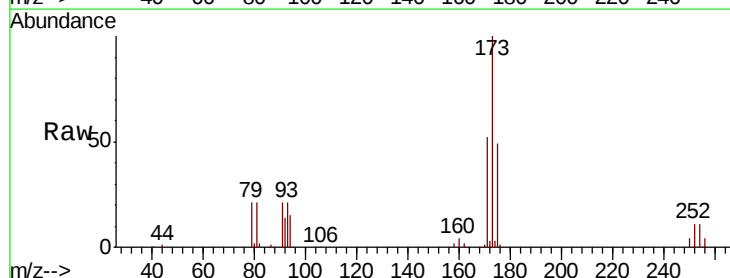
Tgt Ion: 173 Resp: 112161

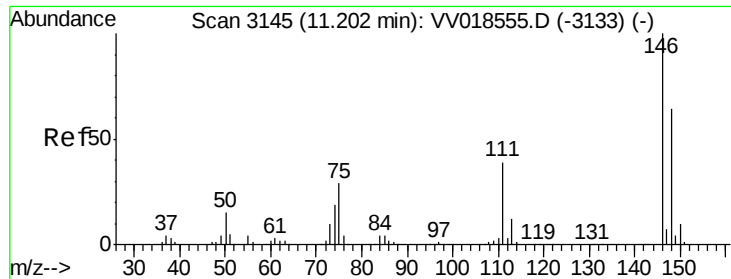
Ion Ratio Lower Upper

173 100

175 48.1 39.8 59.8

254 10.4 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 50.429 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

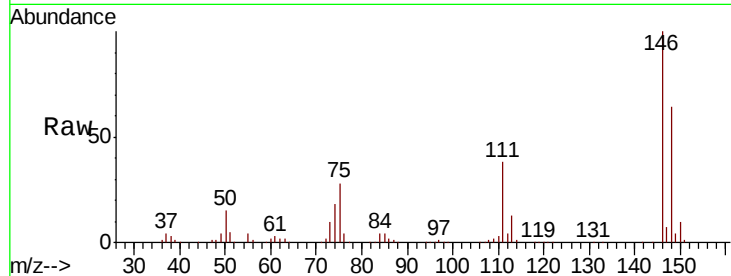
Tot Ion:146 Resp: 309846

Ion Ratio Lower Upper

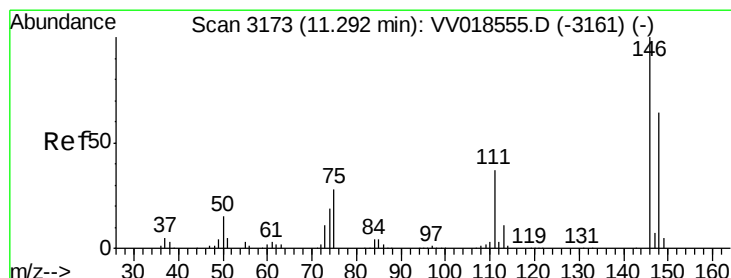
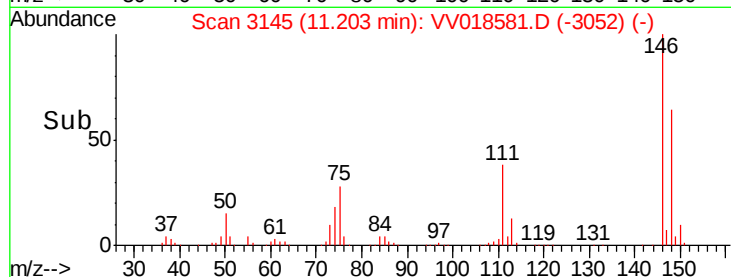
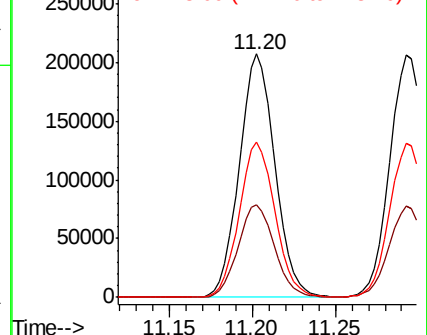
146 100

111 38.0 26.8 49.8

148 63.6 44.0 81.8



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: 49.756 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

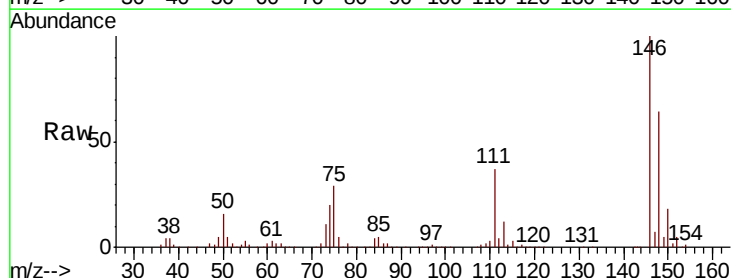
Tgt Ion:146 Resp: 314804

Ion Ratio Lower Upper

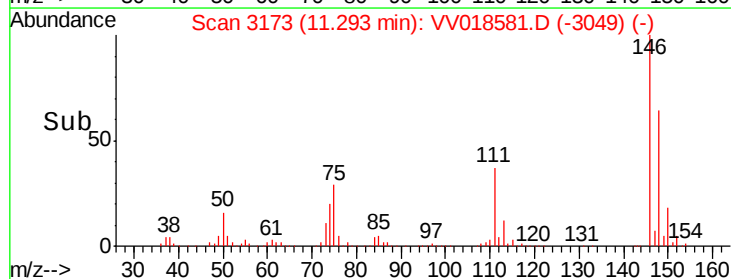
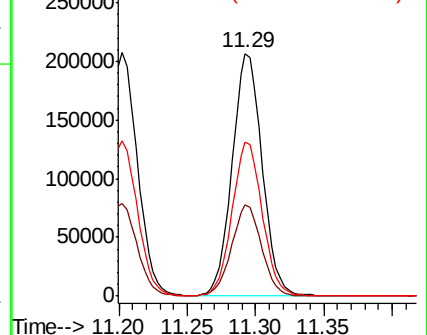
146 100

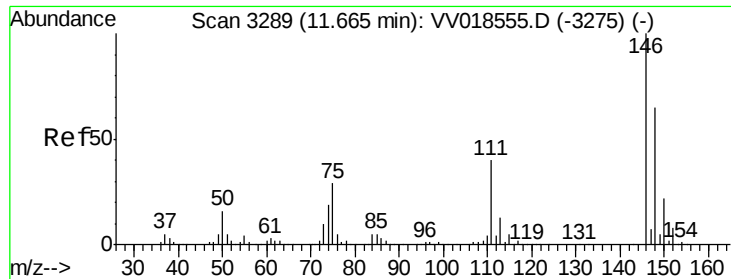
111 37.4 26.2 48.6

148 63.5 44.4 82.5



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





#65

1,2-Dichlorobenzene

Concen: 50.379 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

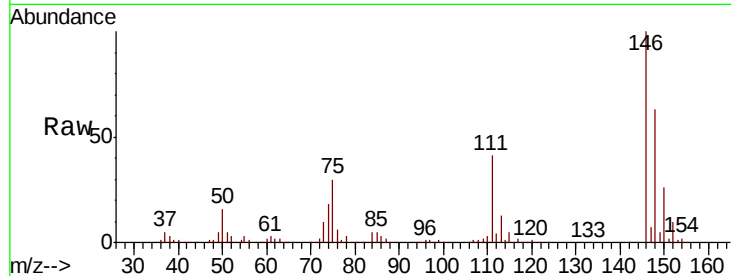
Tot Ion:146 Resp: 306224

Ion Ratio Lower Upper

146 100

111 40.9 32.8 49.2

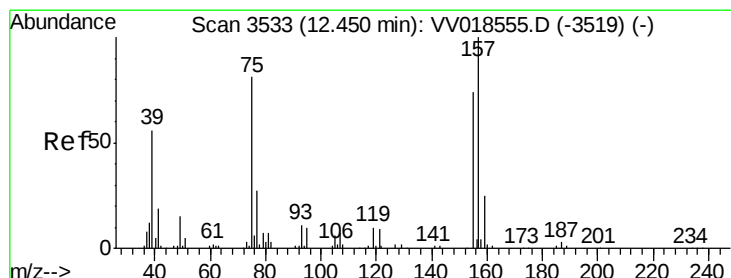
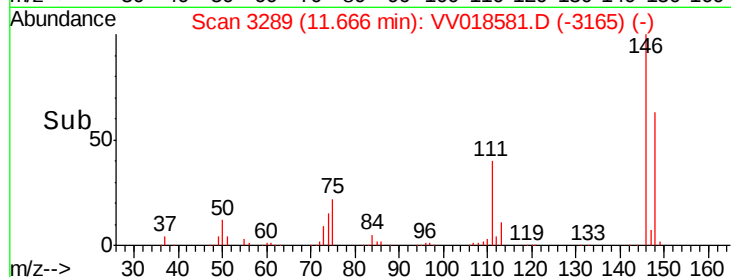
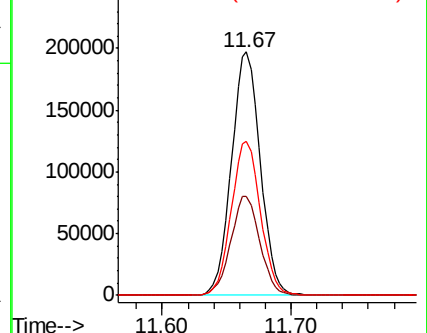
148 63.4 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.734 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

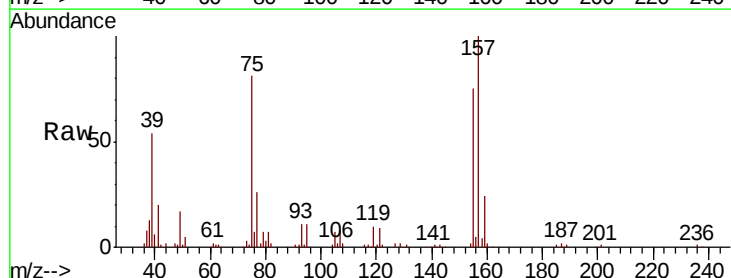
Tgt Ion: 75 Resp: 42098

Ion Ratio Lower Upper

75 100

155 92.8 73.0 109.6

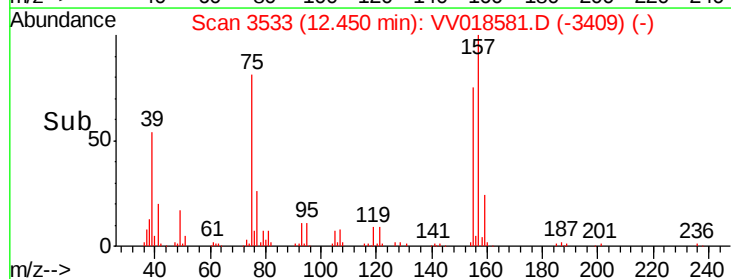
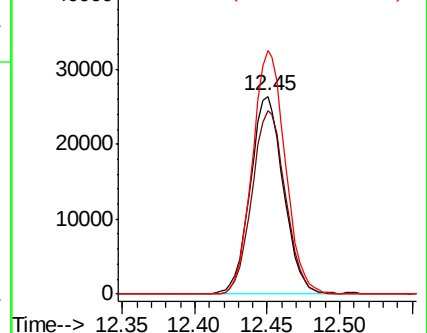
157 123.2 95.8 143.6

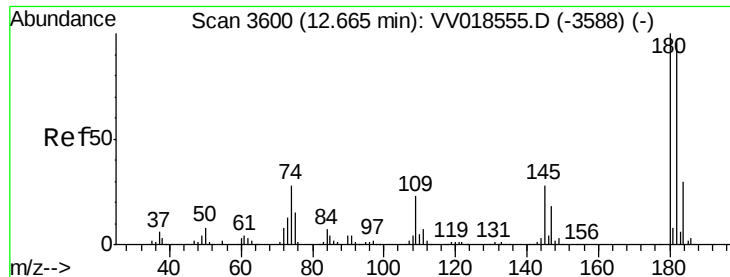


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

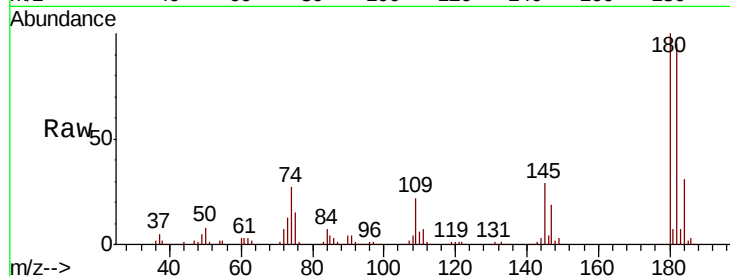




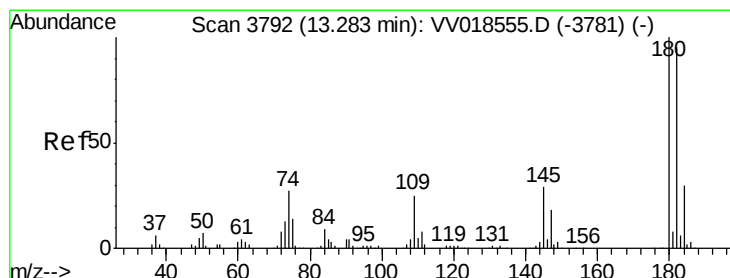
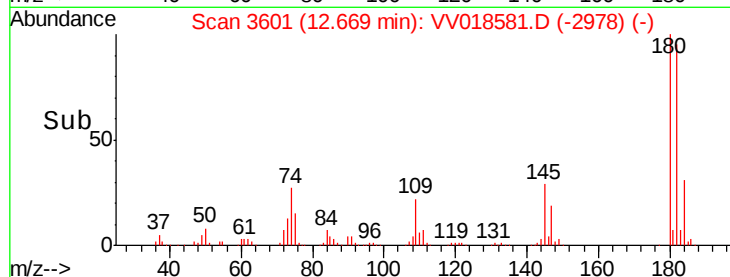
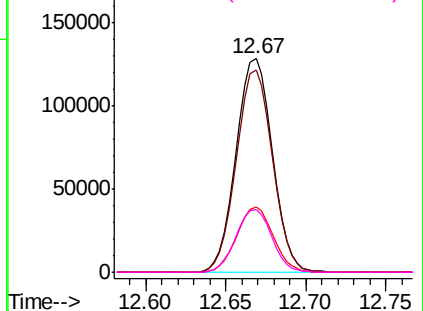
#67
 1,3,5-Trichlorobenzene
 Concen: 46.703 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.1	115.7
184	30.6	24.3	36.5
145	29.1	22.9	34.3

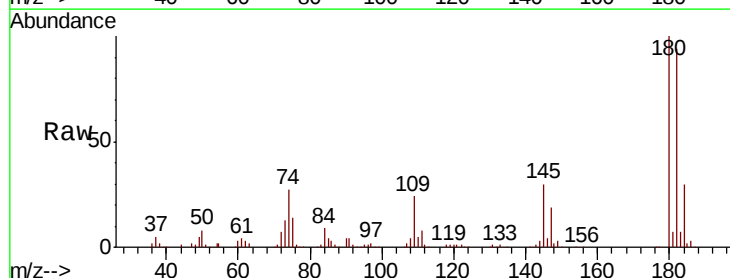


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

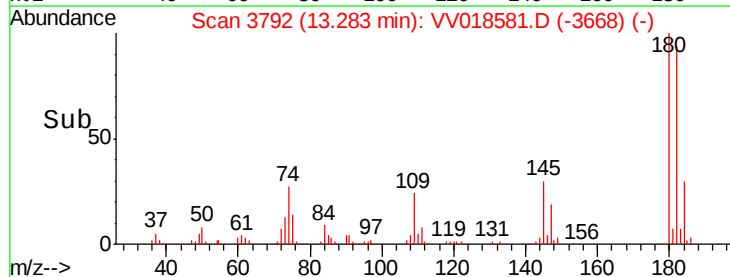
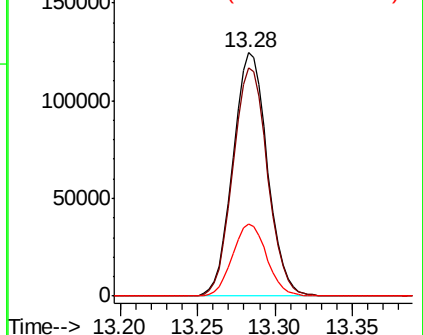


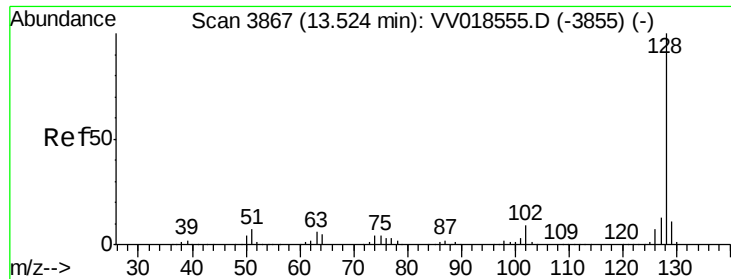
#68
 1,2,4-trichlorobenzene
 Concen: 48.449 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018581.D
 Acq: 01 Oct 2020 09:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
145	29.4	23.6	35.4



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





#69

Naphthalene

Concen: 52.631 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

Instrument :

MSVOA_V

ClientSampleId :

VSTD05096

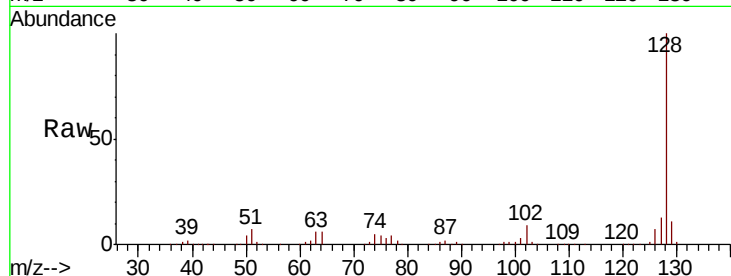
Tot Ion:128 Resp: 596669

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

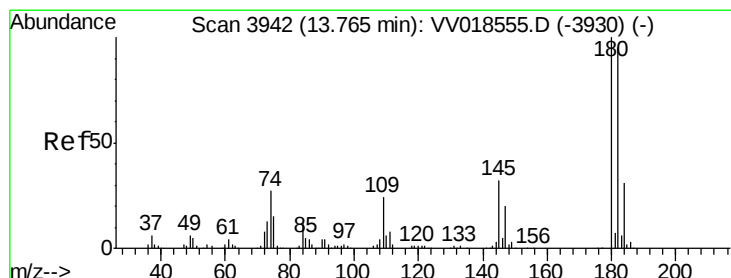
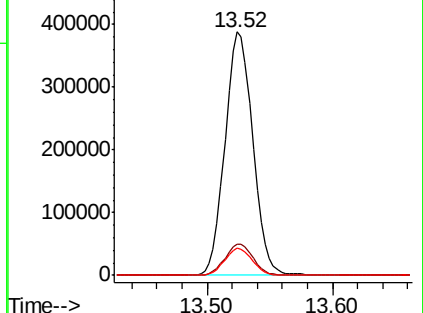
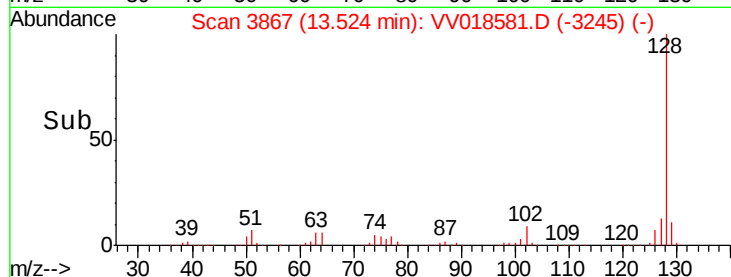
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 48.693 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018581.D

Acq: 01 Oct 2020 09:31

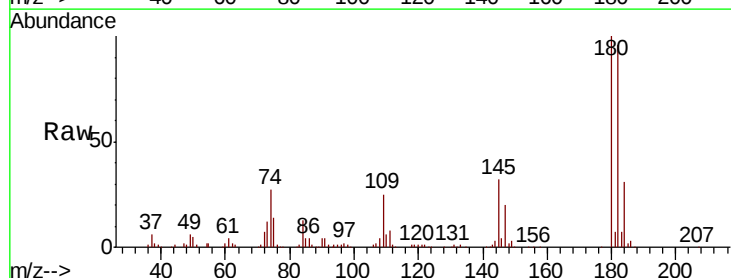
Tgt Ion:180 Resp: 193592

Ion Ratio Lower Upper

180 100

182 95.6 77.1 115.7

145 32.0 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

