

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
 Data File : VV018933.D
 Acq On : 16 Oct 2020 00:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Quant Time: Oct 16 08:48:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:38:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	315716	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167608	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	113640	43.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.46%
7) Chloroethane-d5	1.58	69	96332	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.58%
11) 1,1-Dichloroethene-d2	2.12	63	233929	47.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.36%
21) 2-Butanone-d5	3.91	46	171437	94.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.64%
24) Chloroform-d	4.37	84	215045	46.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.10%
26) 1,2-Dichloroethane-d4	5.06	65	146341	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
32) Benzene-d6	5.07	84	405216	44.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.72%
36) 1,2-Dichloropropane-d6	6.09	67	129491	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.66%
41) Toluene-d8	7.34	98	374190	45.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.32%
43) trans-1,3-Dichloropropene-	7.64	79	66815	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
47) 2-Hexanone-d5	8.11	63	106309	97.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.98%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	161033	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	154914	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	139156	50.902	ug/L 99
3) Chloromethane	1.25	50	155674	50.492	ug/L 99
5) Vinyl chloride	1.32	62	158178	53.081	ug/L 99
6) Bromomethane	1.53	94	92205	50.715	ug/L 98
8) Chloroethane	1.60	64	96885	54.209	ug/L 99
9) Trichlorofluoromethane	1.76	101	214129	54.441	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	111894	54.633	ug/L 99
12) 1,1-Dichloroethene	2.13	96	110286	53.136	ug/L 96
13) Acetone	2.20	43	132818	100.340	ug/L 99
14) Carbon disulfide	2.31	76	362389	51.248	ug/L 99
15) Methyl Acetate	2.45	43	144144	53.011	ug/L 100
16) Methylene chloride	2.52	84	133241	53.511	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	118323	51.355	ug/L 97
18) Methyl tert-butyl Ether	2.78	73	378712	52.024	ug/L 99
19) 1,1-Dichloroethane	3.21	63	235322	52.500	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	119072	48.761	ug/L 100
22) 2-Butanone	4.00	43	175836	97.699	ug/L 96

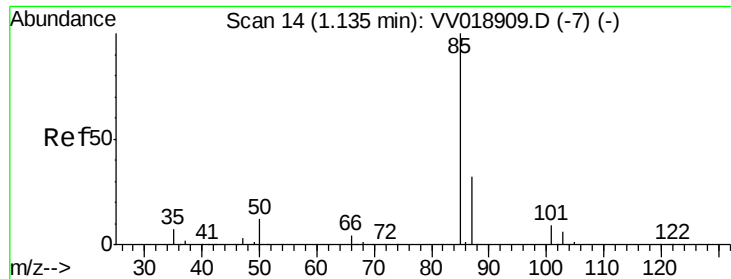
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	60887	48.279	ug/L	98
25) Chloroform	4.40	83	221586	49.161	ug/L	100
27) 1,2-Dichloroethane	5.15	62	184198	50.026	ug/L	100
29) Cyclohexane	4.70	56	194323	52.253	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	196833	50.691	ug/L	99
31) Carbon tetrachloride	4.86	117	170713	51.655	ug/L	100
33) Benzene	5.13	78	475334	49.552	ug/L	100
34) Trichloroethene	5.94	95	131999	47.717	ug/L	98
35) Methylcyclohexane	6.15	83	171256	51.117	ug/L	99
37) 1,2-Dichloropropane	6.20	63	125509	48.875	ug/L	100
38) Bromodichloromethane	6.53	83	162384	49.321	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	191111	49.528	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	355464	100.375	ug/L	99
42) Toluene	7.41	91	507861	51.260	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	190994	51.078	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	114244	47.828	ug/L	99
46) Tetrachloroethene	8.00	164	96466	49.481	ug/L	98
48) 2-Hexanone	8.16	43	280013	99.724	ug/L	99
49) Dibromochloromethane	8.27	129	125857	49.768	ug/L	99
50) 1,2-Dibromoethane	8.37	107	118945	47.781	ug/L	100
51) Chlorobenzene	8.90	112	314954	48.759	ug/L	99
52) Ethylbenzene	9.03	91	551701	51.439	ug/L	100
53) m,p-Xylene	9.16	106	205998	51.554	ug/L	99
54) o-xylene	9.56	106	195703	51.194	ug/L	97
55) Styrene	9.58	104	355324	52.844	ug/L	100
56) Isopropylbenzene	9.95	105	532112	53.022	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	159571	49.198	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	149132	47.977	ug/L	99
61) Bromoform	9.75	173	90783	49.583	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	254459	48.972	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	259790	47.556	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	255639	48.765	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37801	48.387	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	174963	50.127	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	162607	50.558	ug/L	99
69) Naphthalene	13.52	128	473349	51.860	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	165731	51.551	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.902 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

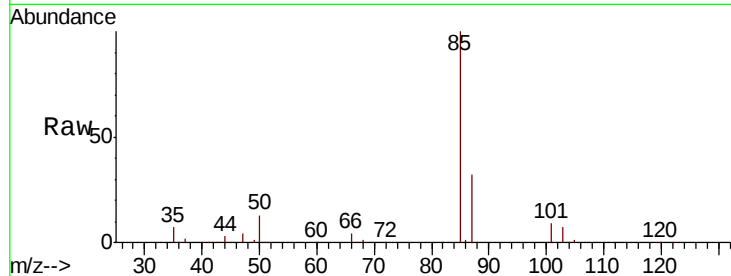
VSTD05091

Tot Ion: 85 Resp: 139156

Ion Ratio Lower Upper

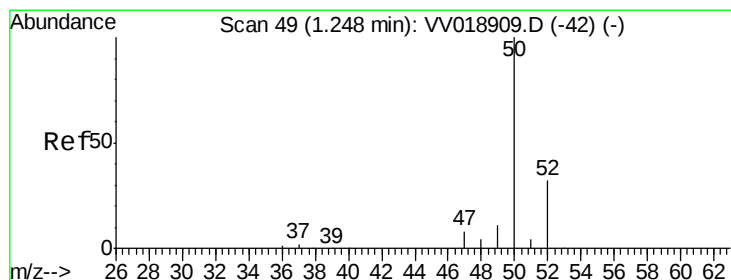
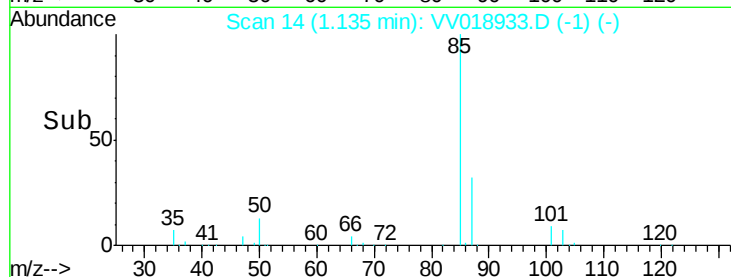
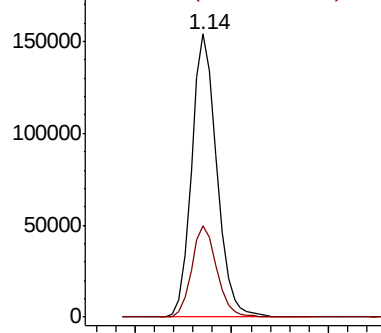
85 100

87 32.3 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 50.492 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018933.D

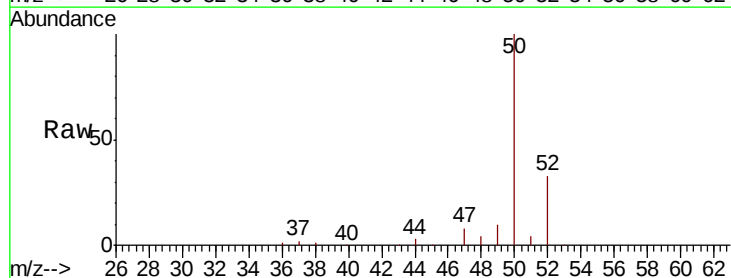
Acq: 16 Oct 2020 00:08

Tgt Ion: 50 Resp: 155674

Ion Ratio Lower Upper

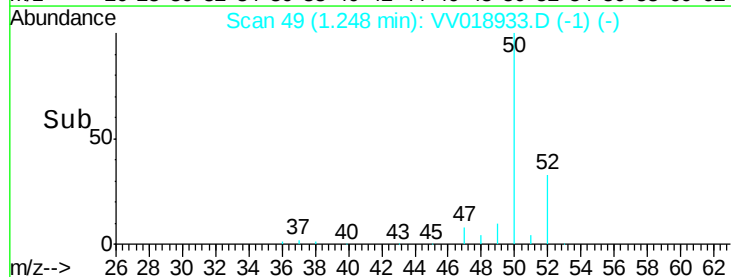
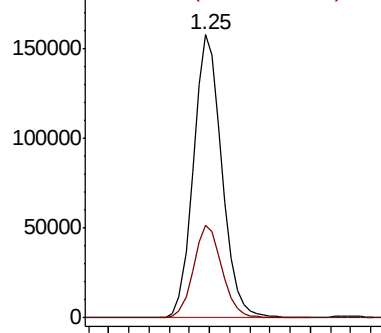
50 100

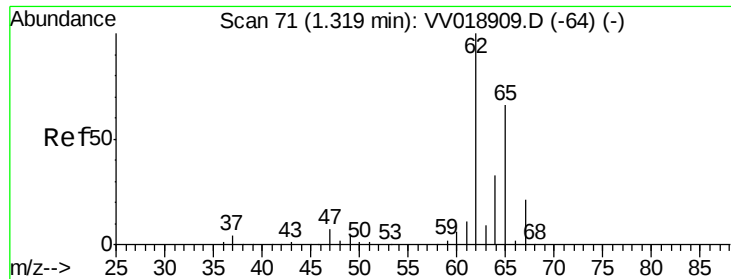
52 32.5 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 53.081 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

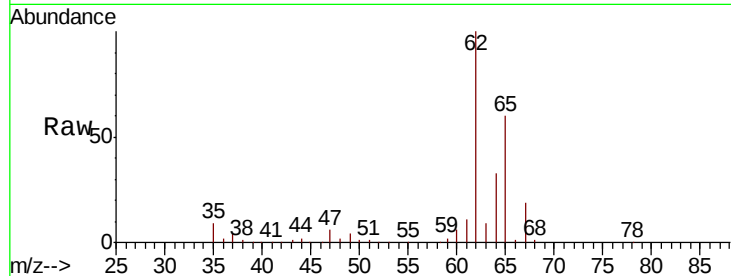
VSTD05091

Tot Ion: 62 Resp: 158178

Ion Ratio Lower Upper

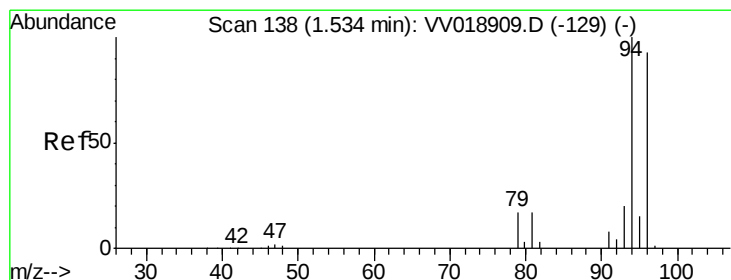
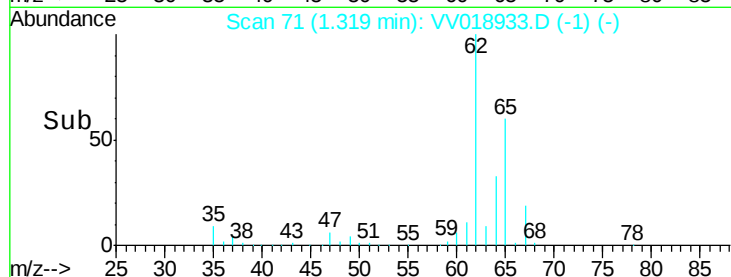
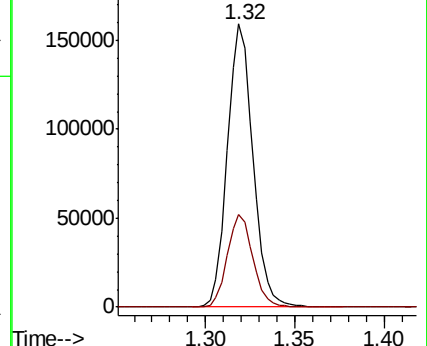
62 100

64 32.7 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.715 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018933.D

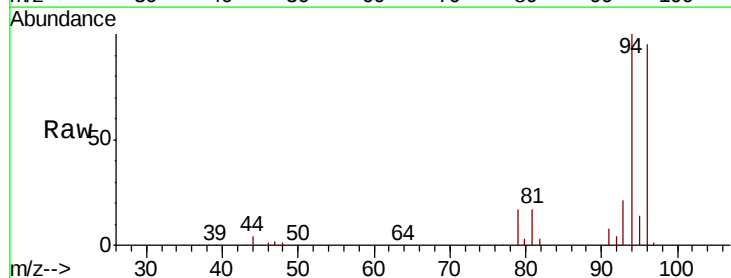
Acq: 16 Oct 2020 00:08

Tgt Ion: 94 Resp: 92205

Ion Ratio Lower Upper

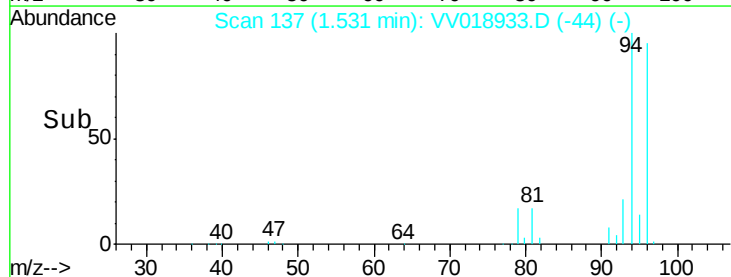
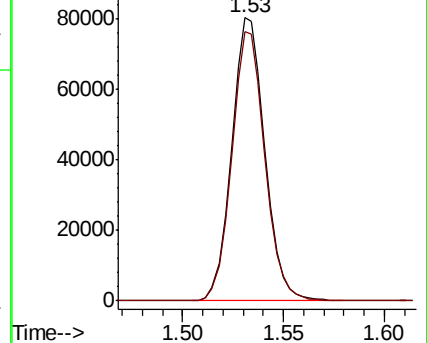
94 100

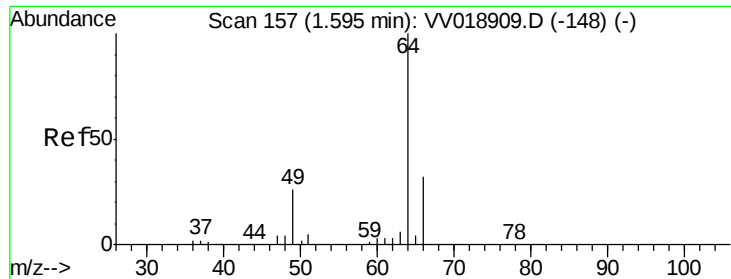
96 95.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

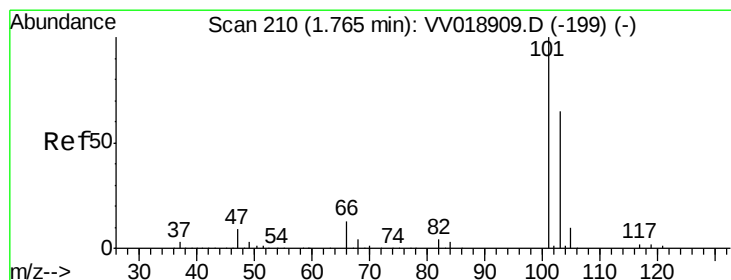
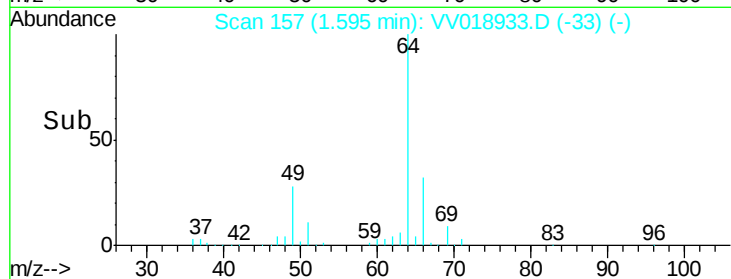
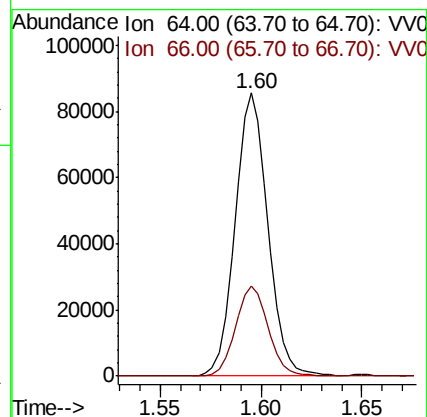
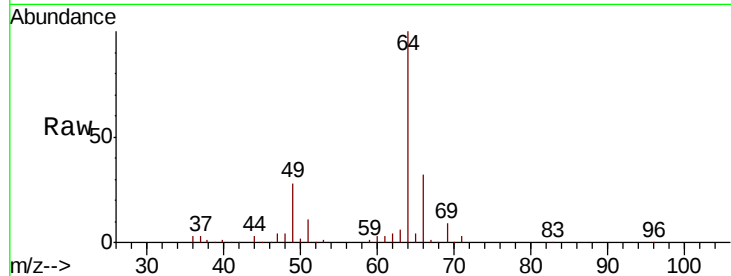




#8
 Chloroethane
 Concen: 54.209 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

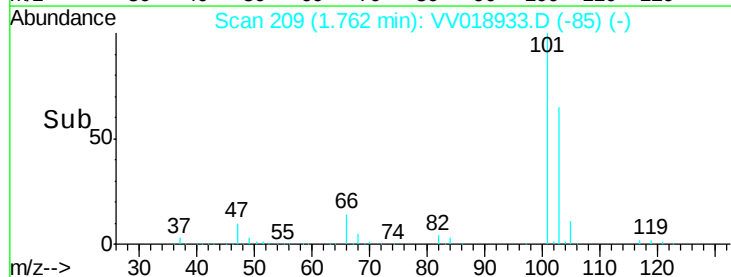
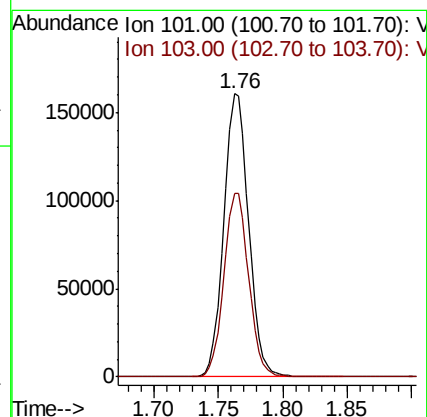
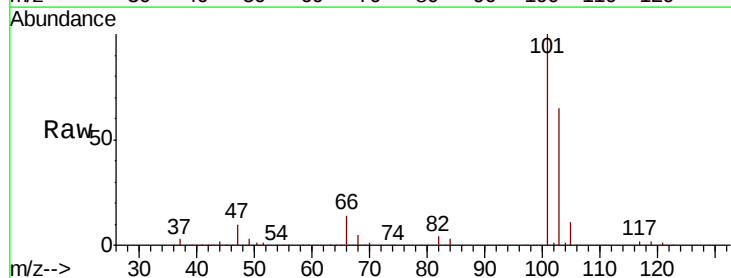
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

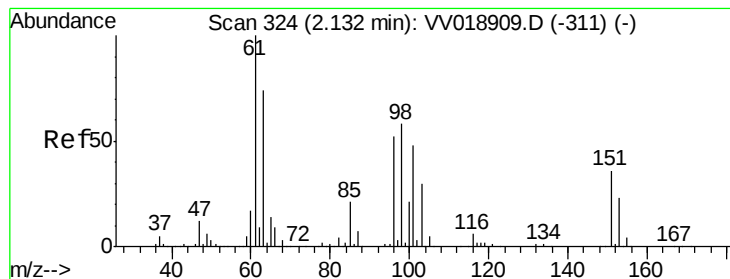
Tot Ion: 64 Resp: 96885
 Ion Ratio Lower Upper
 64 100
 66 31.6 22.7 42.1



#9
 Trichlorofluoromethane
 Concen: 54.441 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion: 101 Resp: 214129
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.9 77.9





#10

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

Concen: 54.633 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05091

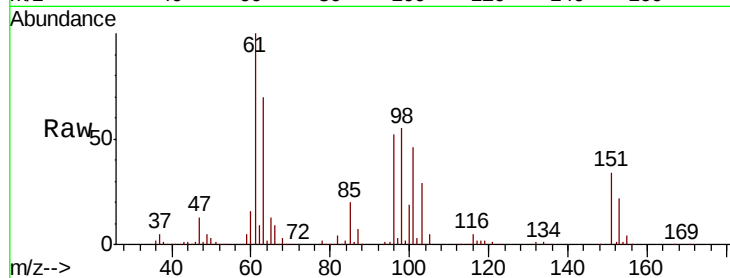
Tot Ion:101 Resp: 111894

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

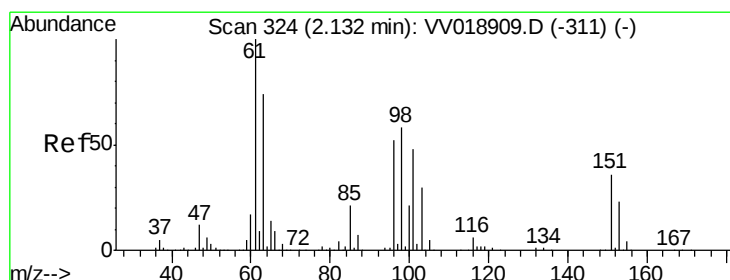
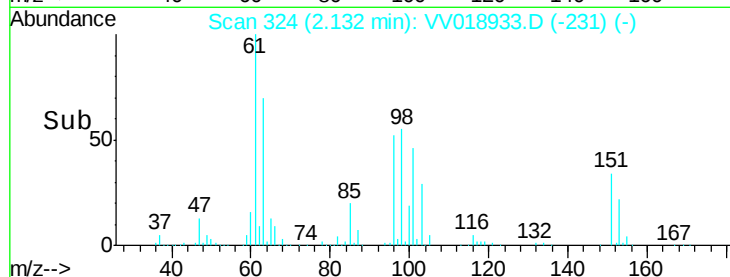
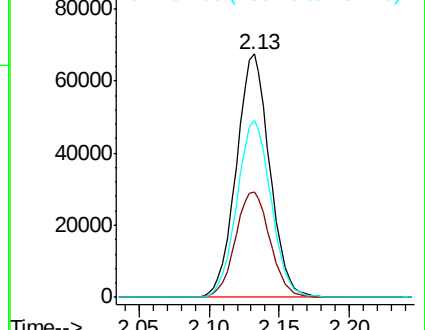
151 74.5 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV018909.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018909.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018909.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 53.136 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

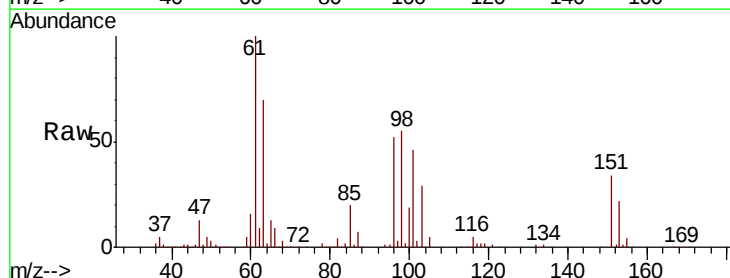
Tgt Ion: 96 Resp: 110286

Ion Ratio Lower Upper

96 100

61 193.5 133.5 247.9

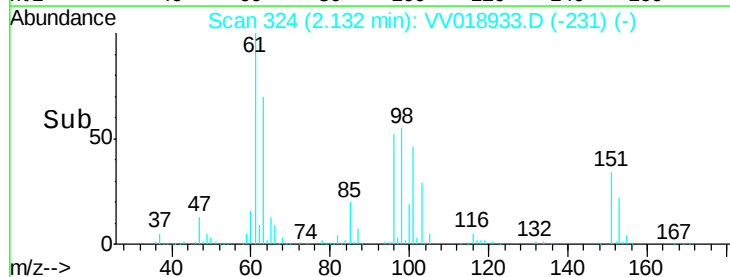
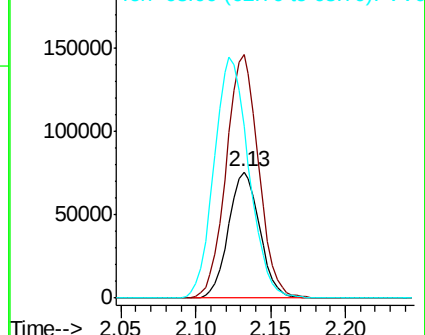
63 136.2 102.1 189.7

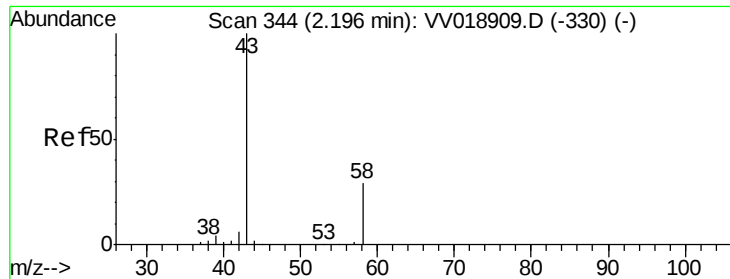


Abundance Ion 96.00 (95.70 to 96.70): VV018933.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018933.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018933.D (-231) (-)





#13

Acetone

Concen: 100.340 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

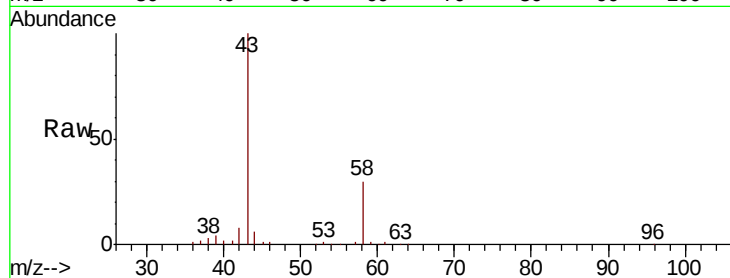
VSTD05091

Tot Ion: 43 Resp: 132818

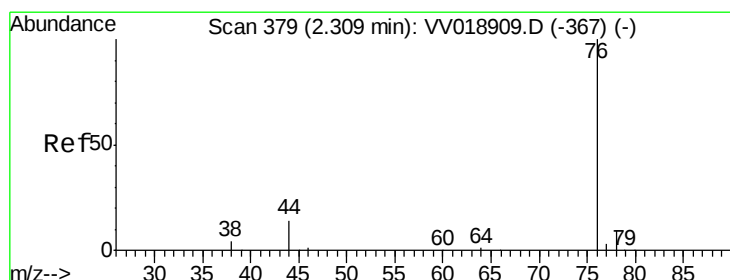
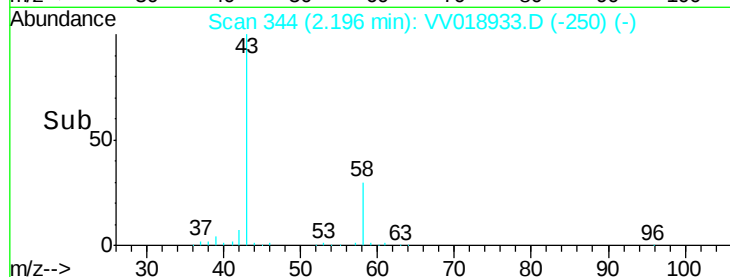
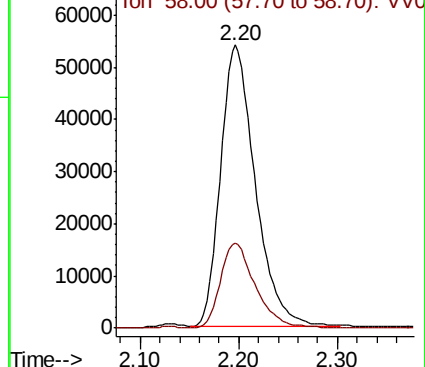
Ion Ratio Lower Upper

43 100

58 30.0 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV018933.D (-250) (-)



#14

Carbon disulfide

Concen: 51.248 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018933.D

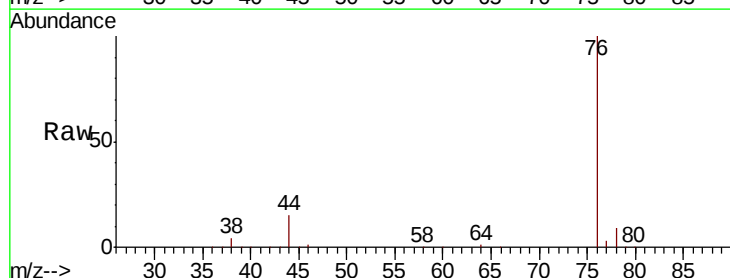
Acq: 16 Oct 2020 00:08

Tgt Ion: 76 Resp: 362389

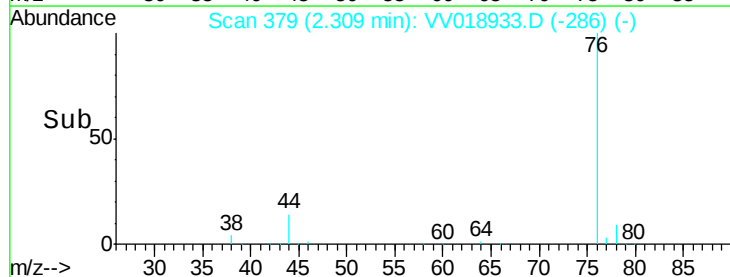
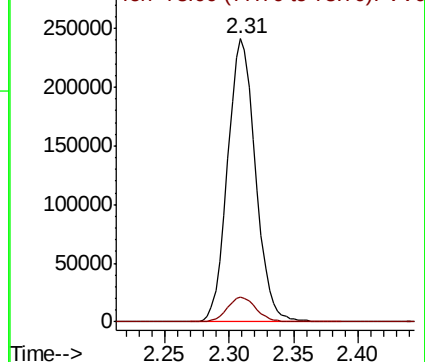
Ion Ratio Lower Upper

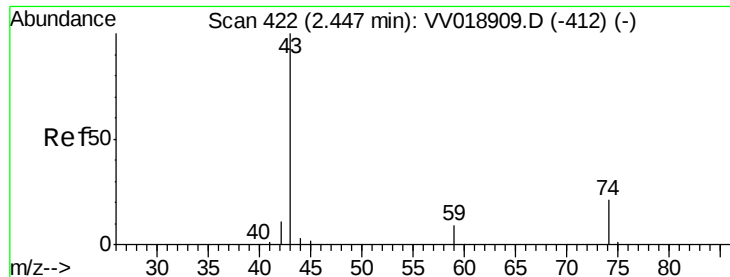
76 100

78 8.9 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018933.D (-286) (-)

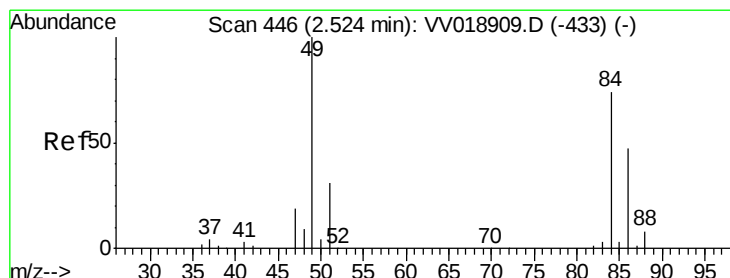
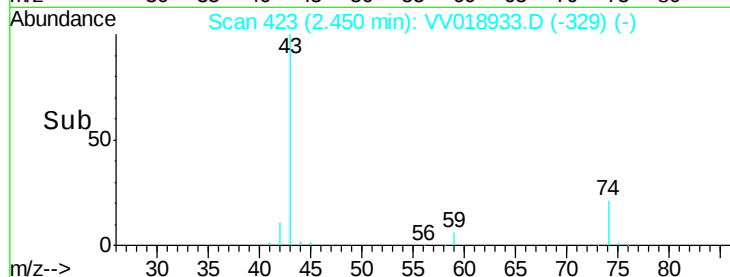
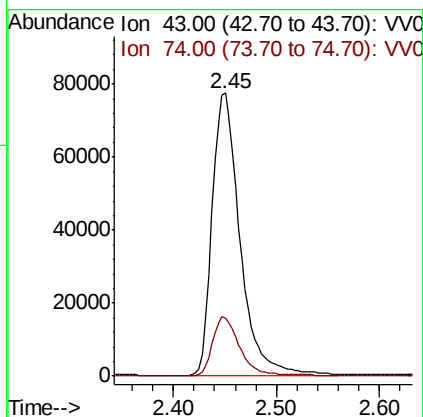
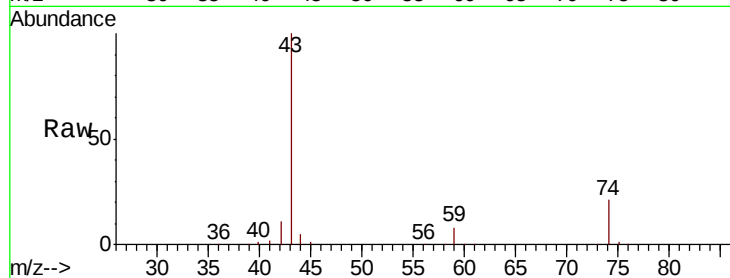




#15
Methyl Acetate
Concen: 53.011 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

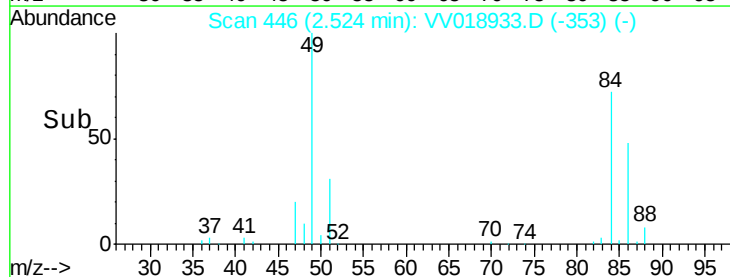
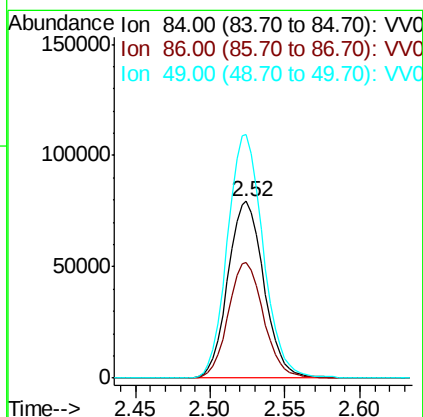
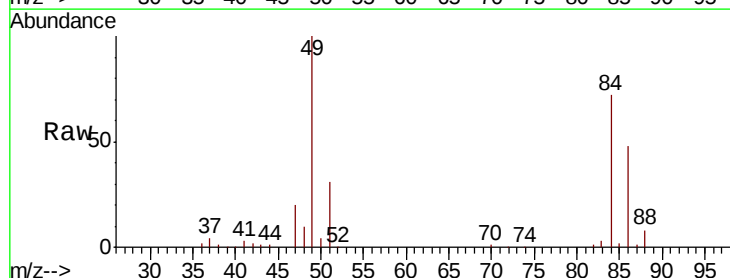
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

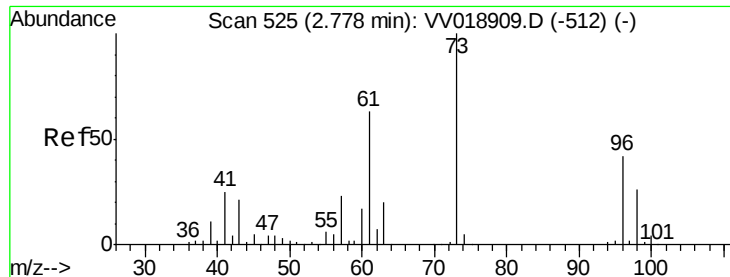
Tot Ion: 43 Resp: 144144
Ion Ratio Lower Upper
43 100
74 21.1 17.0 25.6



#16
Methylene chloride
Concen: 53.511 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Tgt Ion: 84 Resp: 133241
Ion Ratio Lower Upper
84 100
86 65.7 46.6 86.6
49 138.0 96.1 178.5

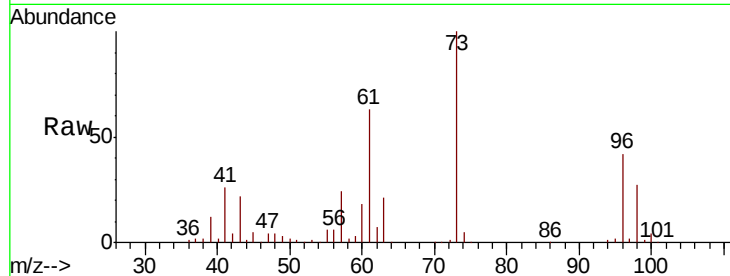




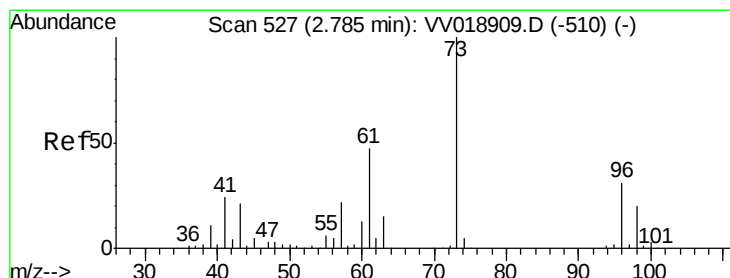
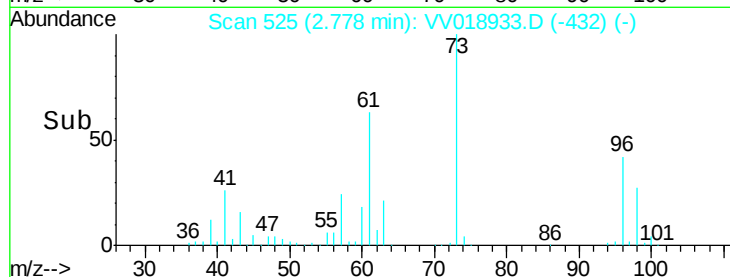
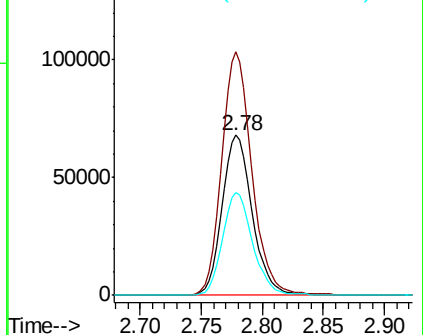
#17
trans-1,2-Dichloroethene
Concen: 51.355 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

Tot Ion: 96 Resp: 118323
Ion Ratio Lower Upper
96 100
61 151.9 102.8 190.8
98 64.3 44.0 81.6

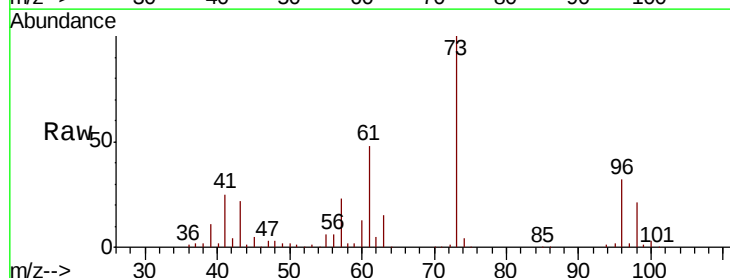


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

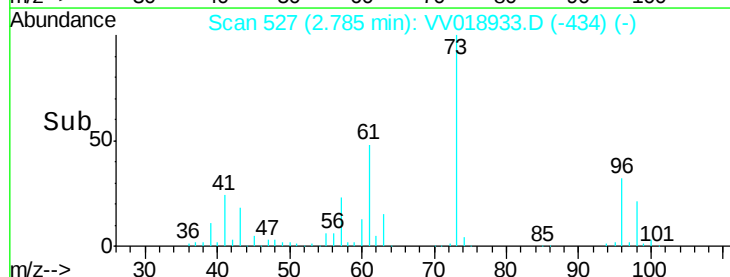
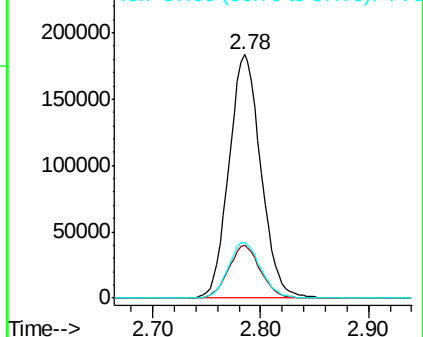


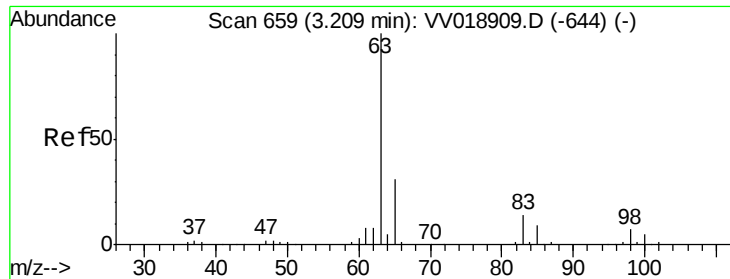
#18
Methyl tert-butyl Ether
Concen: 52.024 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Tgt Ion: 73 Resp: 378712
Ion Ratio Lower Upper
73 100
43 21.3 16.9 25.3
57 23.2 18.3 27.5



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

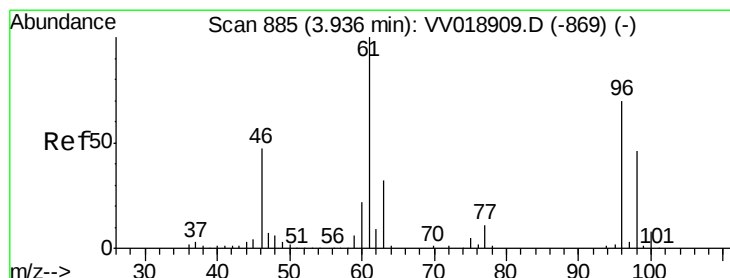
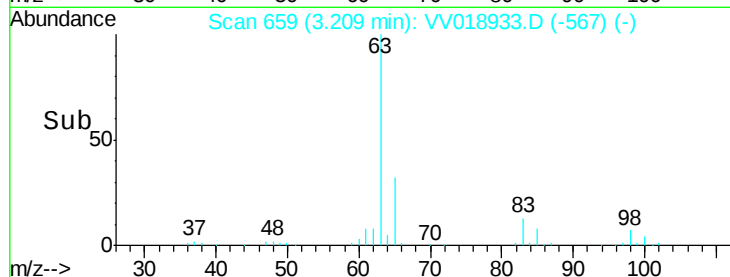
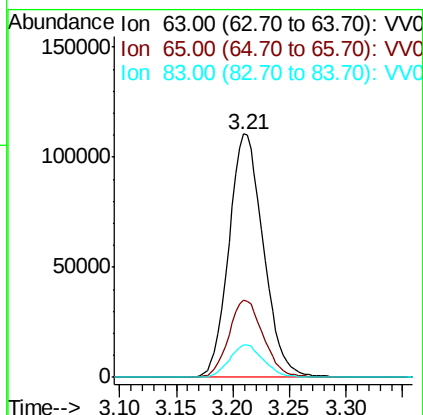
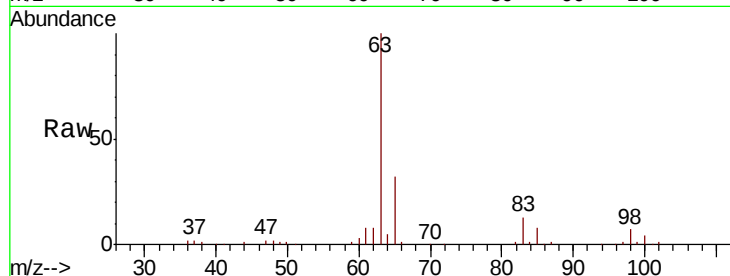




#19
 1,1-Dichloroethane
 Concen: 52.500 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

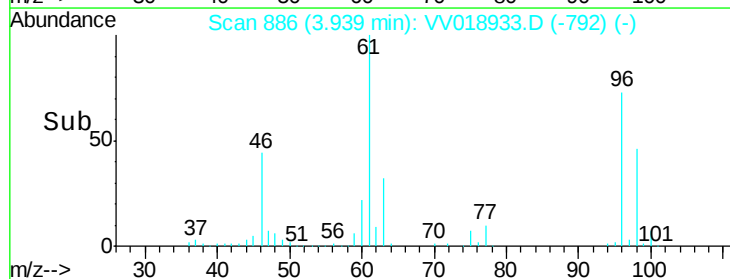
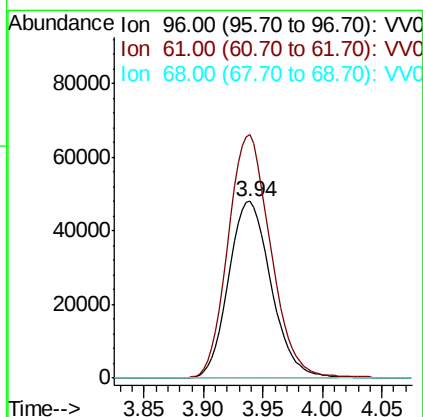
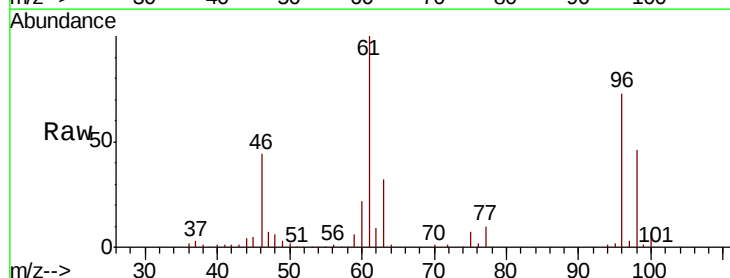
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

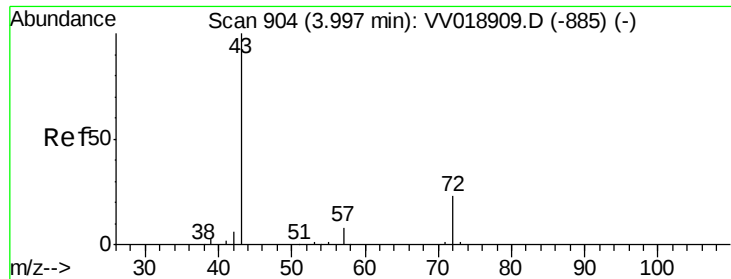
Tot Ion: 63 Resp: 235322
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.9
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.761 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion: 96 Resp: 119072
 Ion Ratio Lower Upper
 96 100
 61 137.6 96.1 178.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.699 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

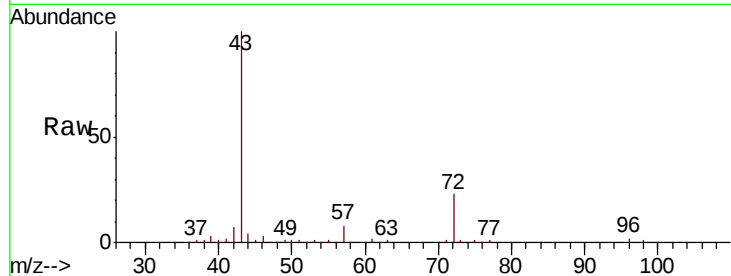
VSTD05091

Tot Ion: 43 Resp: 175836

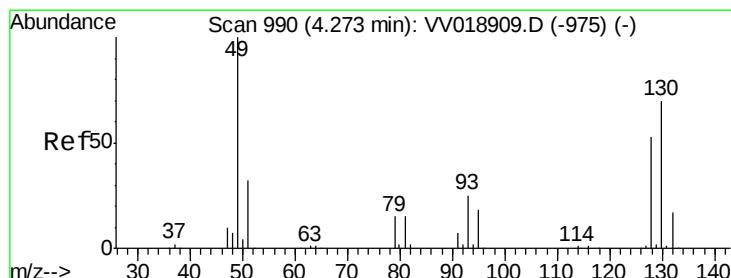
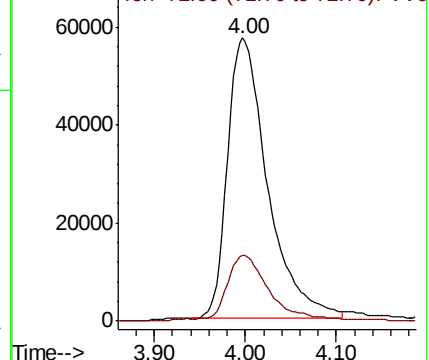
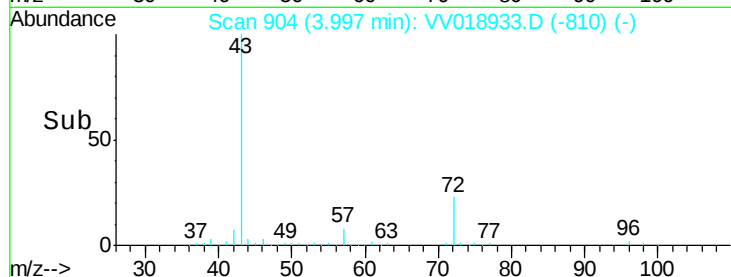
Ion Ratio Lower Upper

43 100

72 23.8 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018933.D (-810) (-)



#23

Bromochloromethane

Concen: 48.279 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Tgt Ion: 128 Resp: 60887

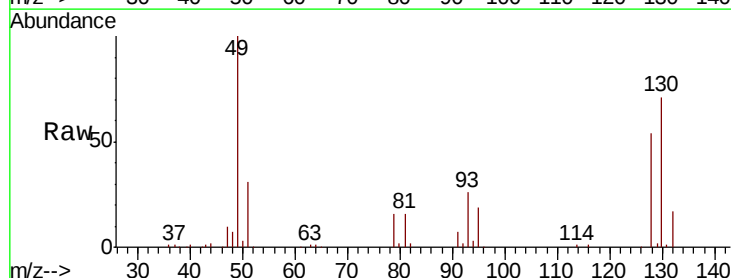
Ion Ratio Lower Upper

128 100

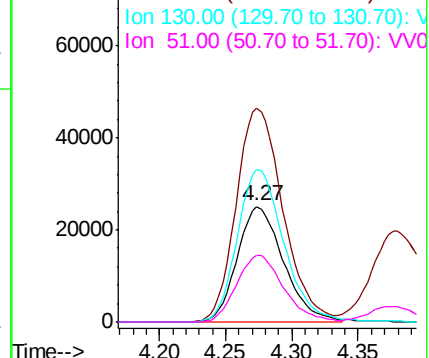
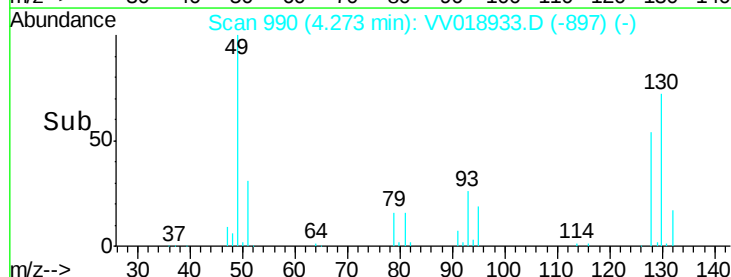
49 185.4 131.7 244.7

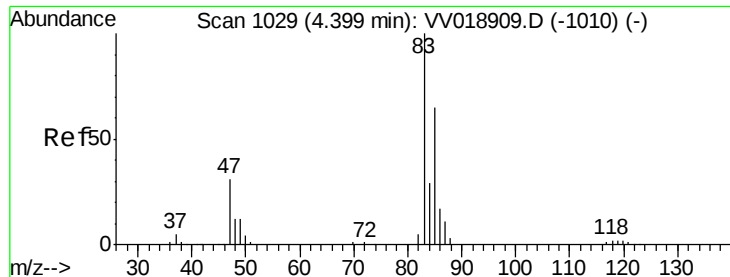
130 132.2 92.8 172.4

51 57.6 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018933.D (-897) (-)

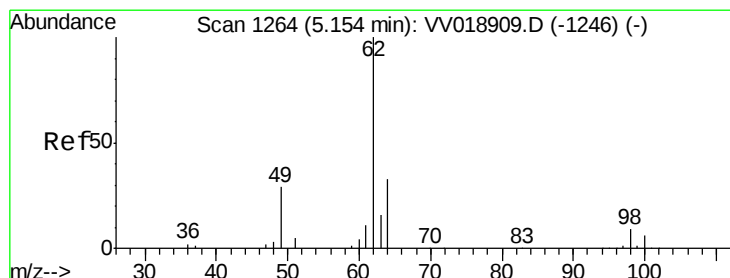
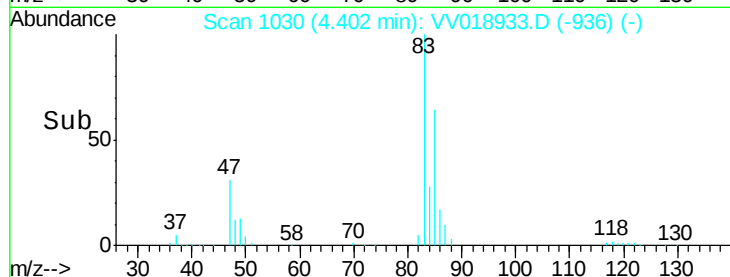
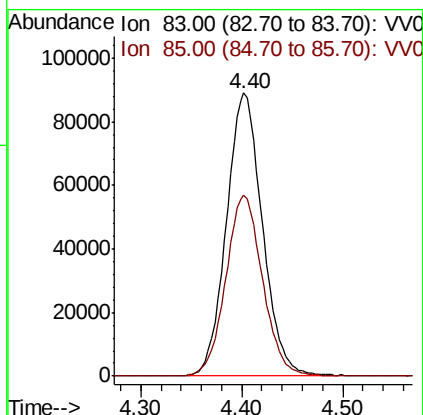
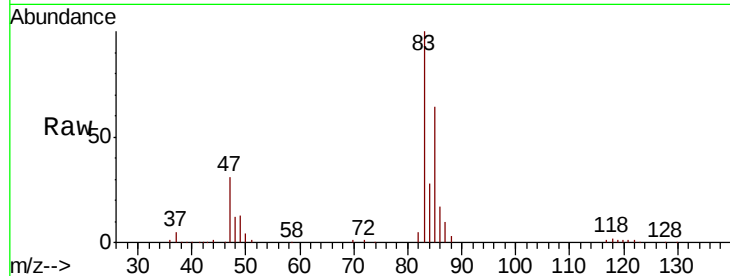




#25
Chloroform
Concen: 49.161 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

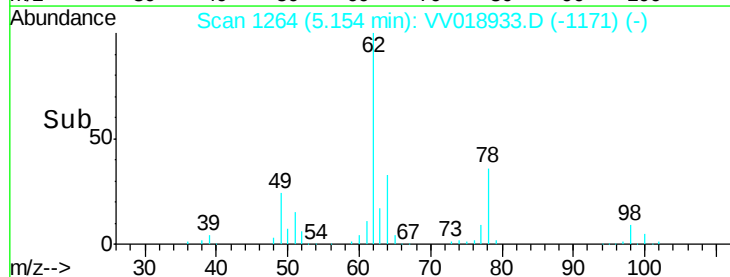
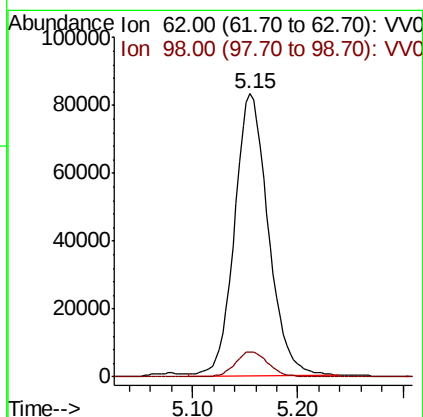
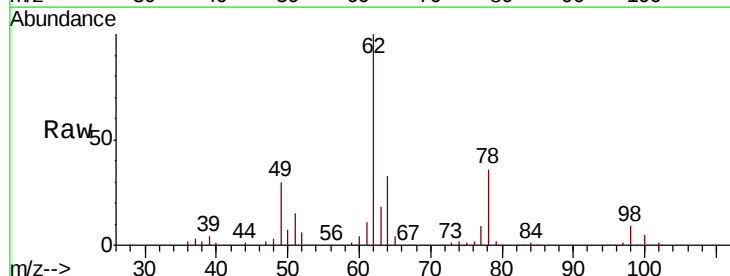
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

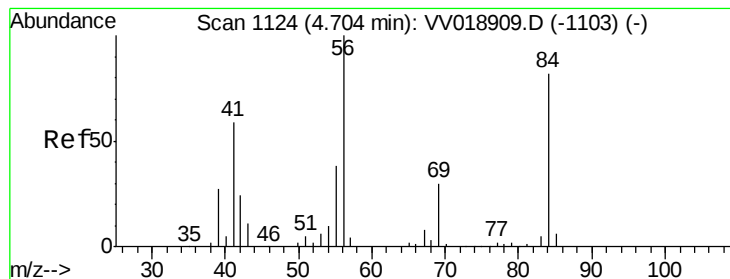
Tot Ion: 83 Resp: 221586
Ion Ratio Lower Upper
83 100
85 63.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 50.026 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Tgt Ion: 62 Resp: 184198
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.6





#29

Cyclohexane

Concen: 52.253 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

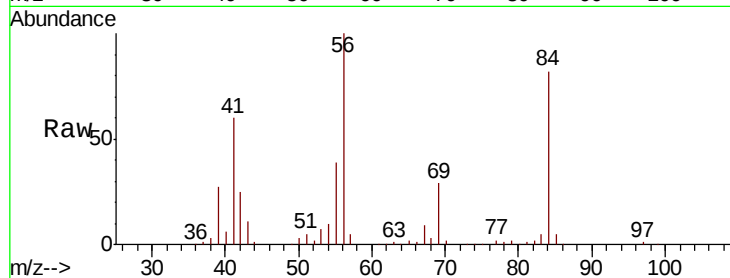
Tot Ion: 56 Resp: 194323

Ion Ratio Lower Upper

56 100

69 29.7 23.5 35.3

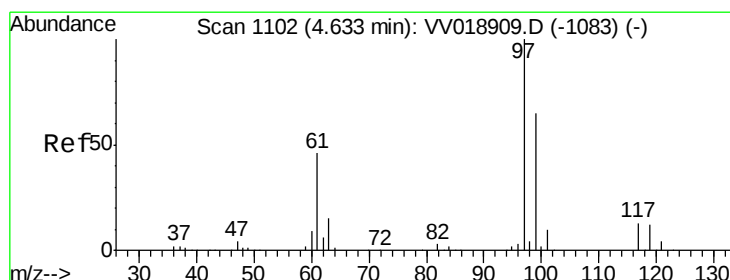
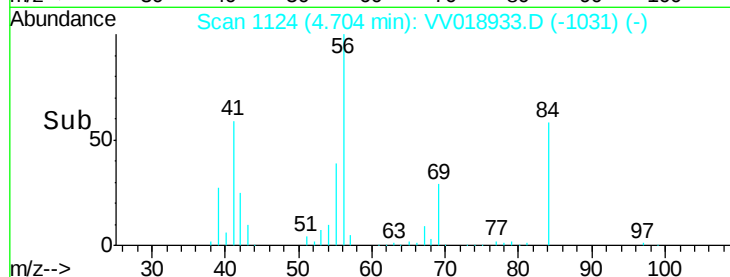
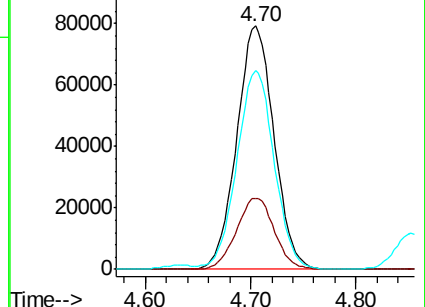
84 81.3 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.691 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

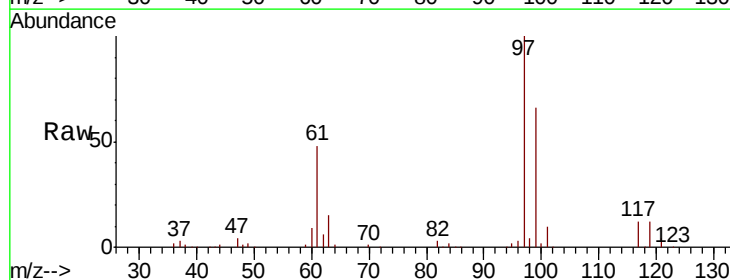
Tgt Ion: 97 Resp: 196833

Ion Ratio Lower Upper

97 100

99 65.2 51.2 76.8

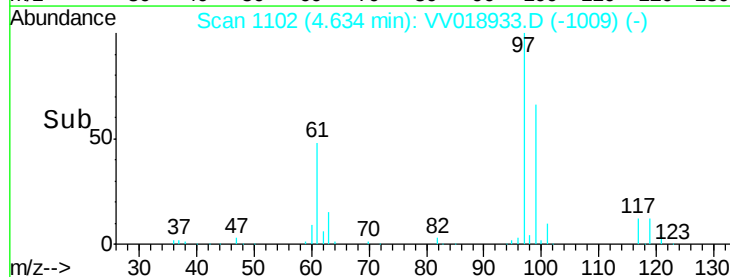
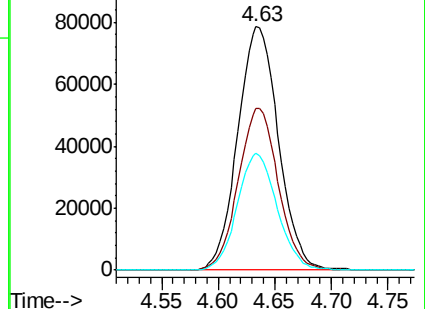
61 47.2 37.5 56.3

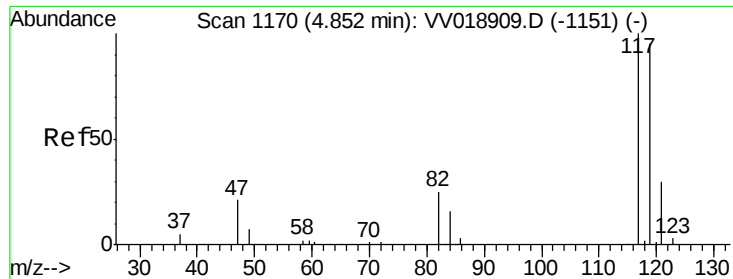


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.655 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

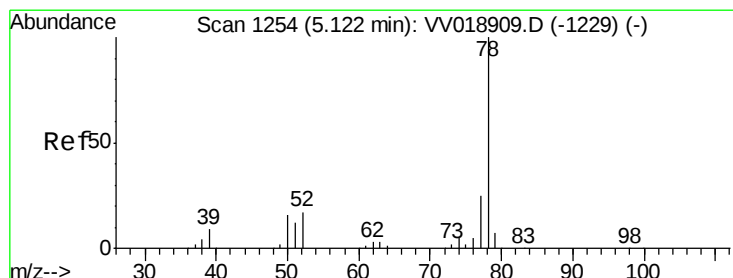
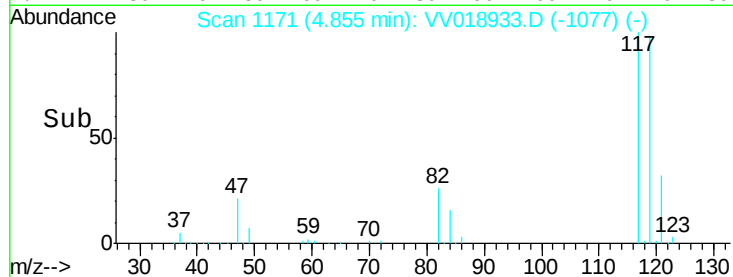
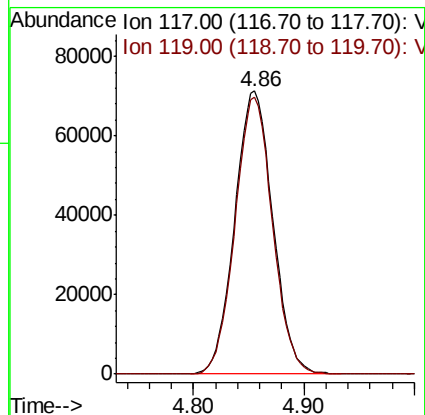
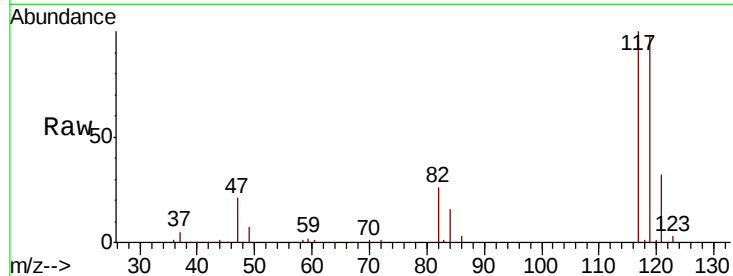
VSTD05091

Tot Ion:117 Resp: 170713

Ion Ratio Lower Upper

117 100

119 96.2 76.9 115.3



#33

Benzene

Concen: 49.552 ug/L

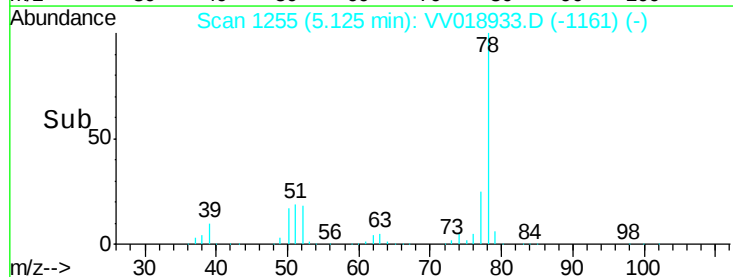
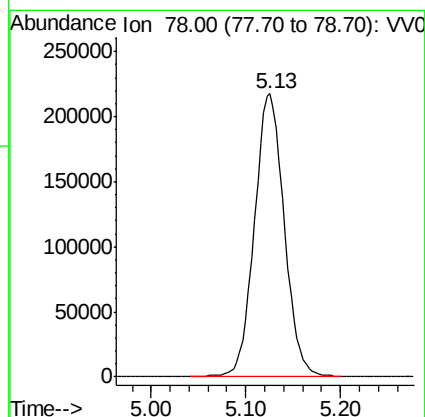
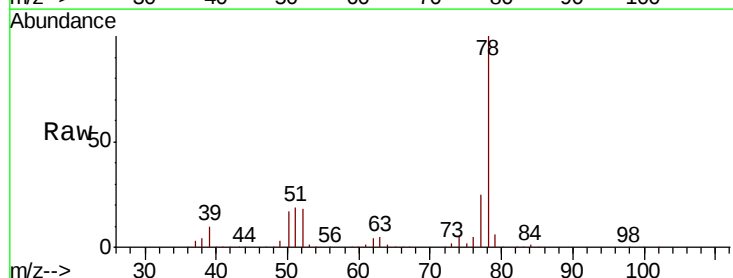
RT: 5.13 min Scan# 1255

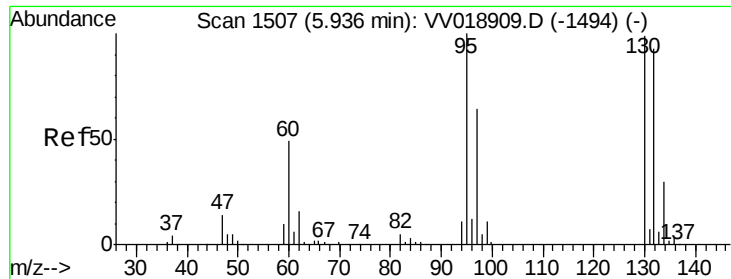
Delta R.T. 0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Tgt Ion: 78 Resp: 475334

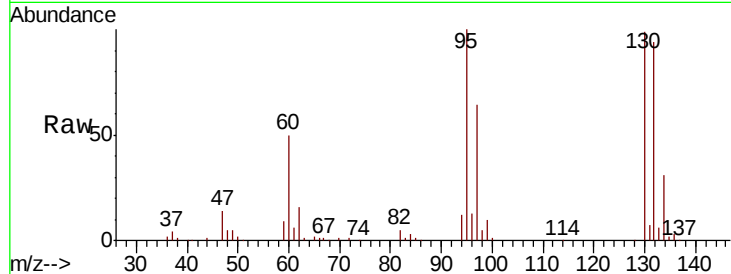




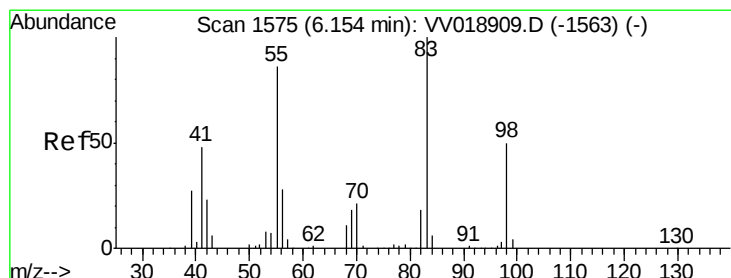
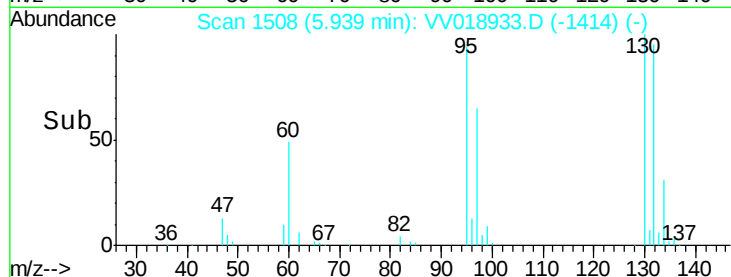
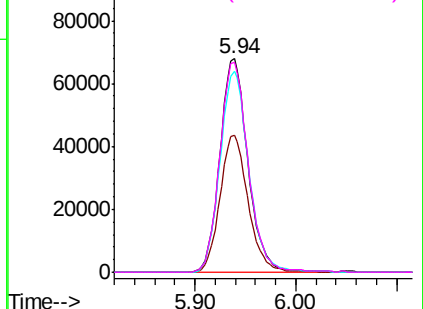
#34
 Trichloroethene
 Concen: 47.717 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Tot Ion: 95 Resp: 131999
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.7 82.9
 132 94.1 67.0 124.4
 130 98.6 70.8 131.6

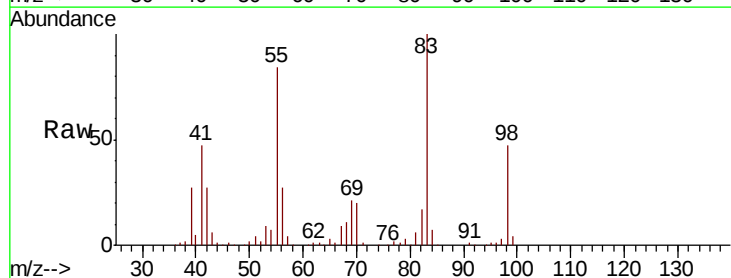


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

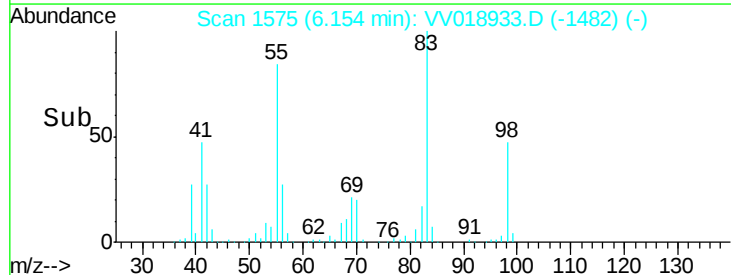
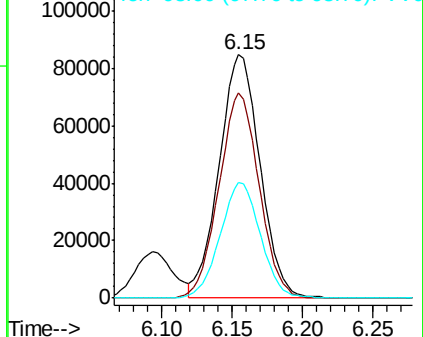


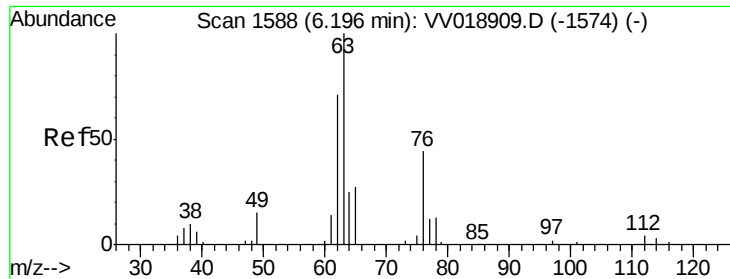
#35
 Methylcyclohexane
 Concen: 51.117 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion: 83 Resp: 171256
 Ion Ratio Lower Upper
 83 100
 55 83.0 67.3 100.9
 98 47.0 37.9 56.9



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

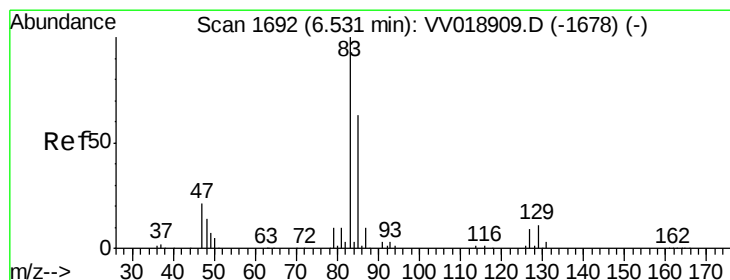
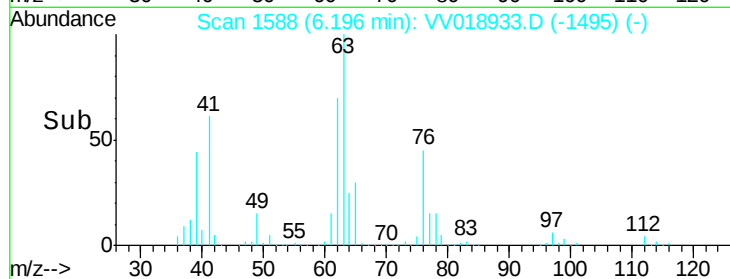
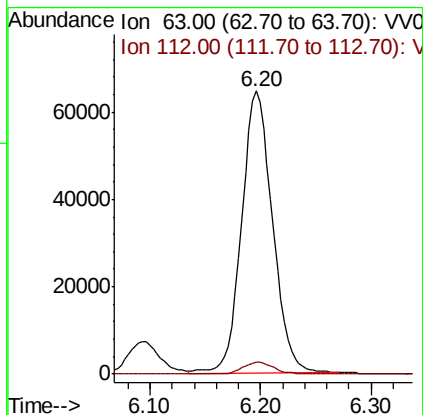
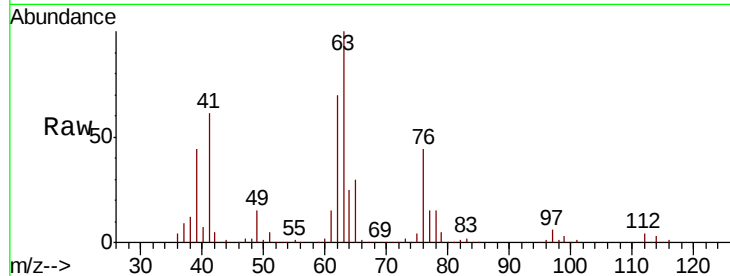




#37
 1,2-Dichloropropane
 Concen: 48.875 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

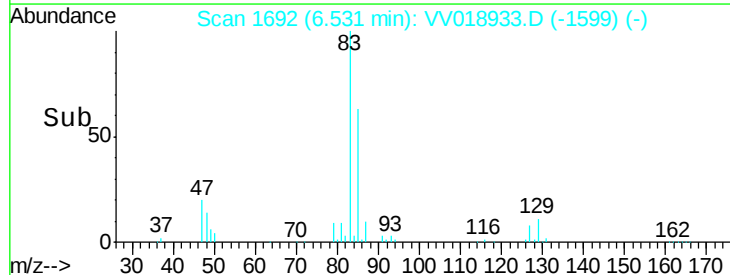
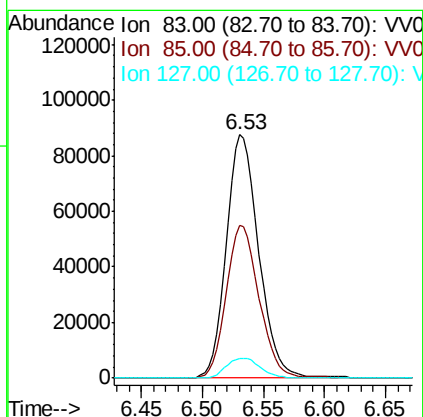
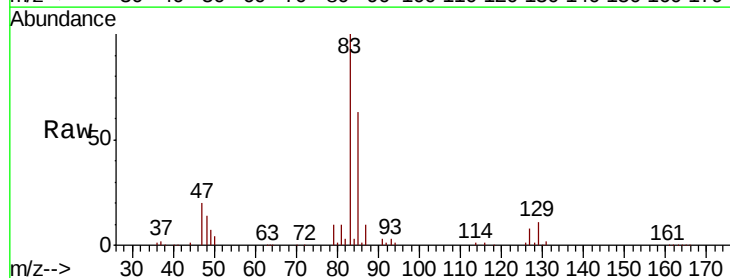
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

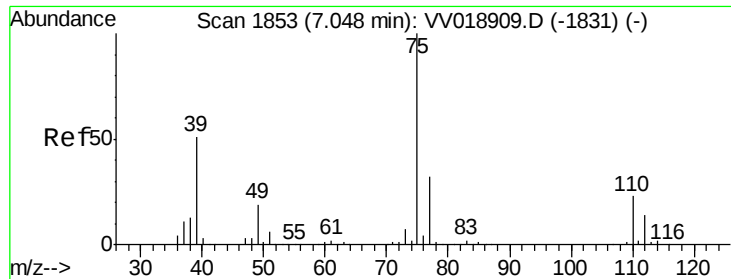
Tot Ion: 63 Resp: 125509
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 49.321 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion: 83 Resp: 162384
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 83.1
 127 8.1 6.6 9.8

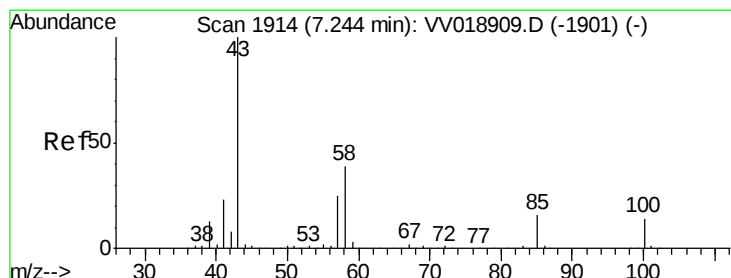
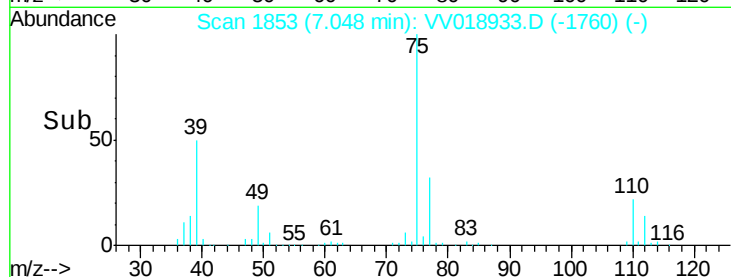
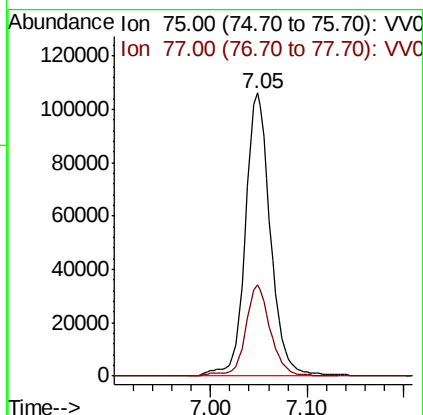
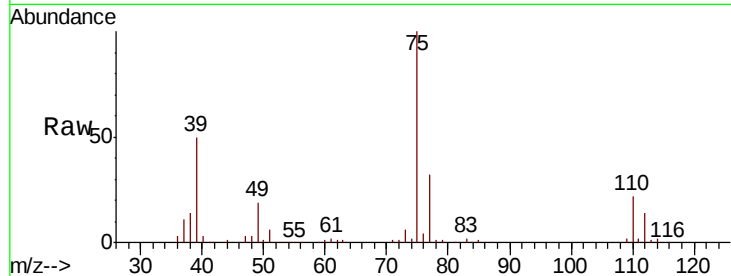




#39
 cis-1,3-Dichloropropene
 Concen: 49.528 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

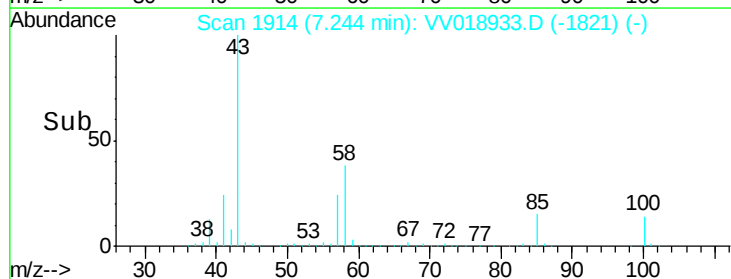
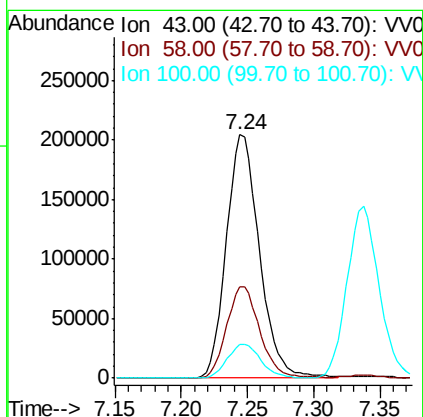
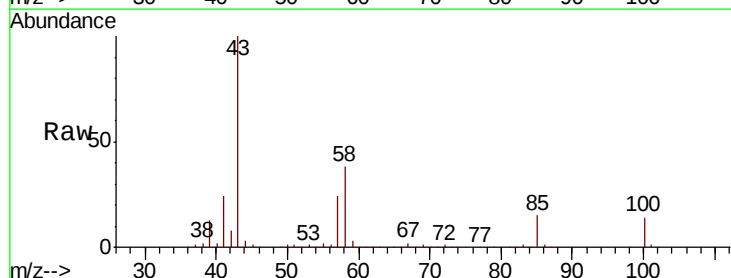
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

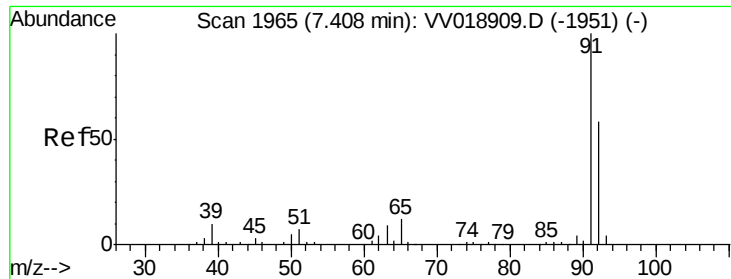
Tot Ion: 75 Resp: 191111
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 100.375 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion: 43 Resp: 355464
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.5 45.7
 100 14.1 11.1 16.7





#42

Toluene

Concen: 51.260 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

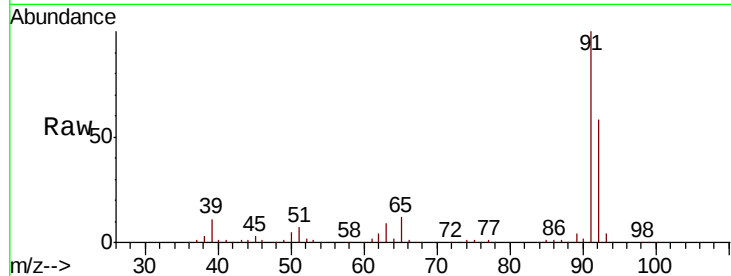
VSTD05091

Tot Ion: 91 Resp: 507861

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

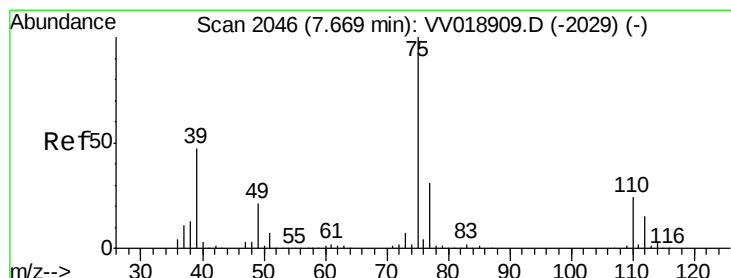
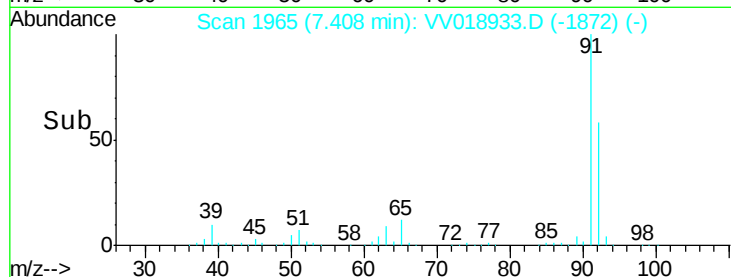
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.078 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018933.D

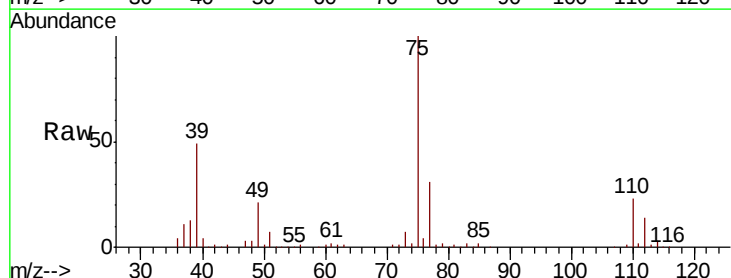
Acq: 16 Oct 2020 00:08

Tgt Ion: 75 Resp: 190994

Ion Ratio Lower Upper

75 100

77 31.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

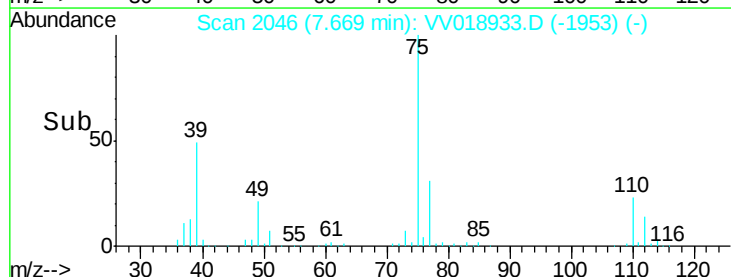
60000

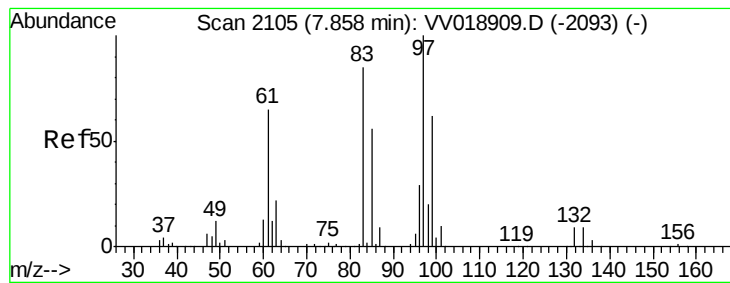
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.828 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

Tot Ion: 97 Resp: 114244

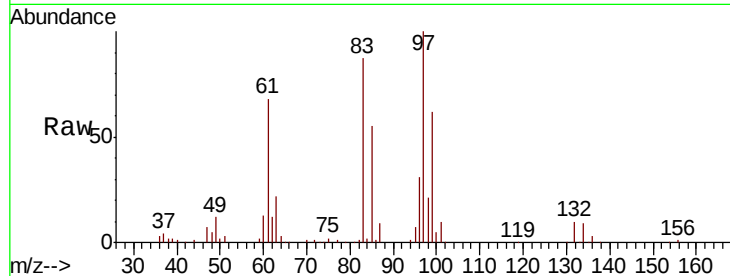
Ion Ratio Lower Upper

97 100

99 61.6 43.8 81.4

83 87.0 61.0 113.4

85 55.3 38.9 72.2

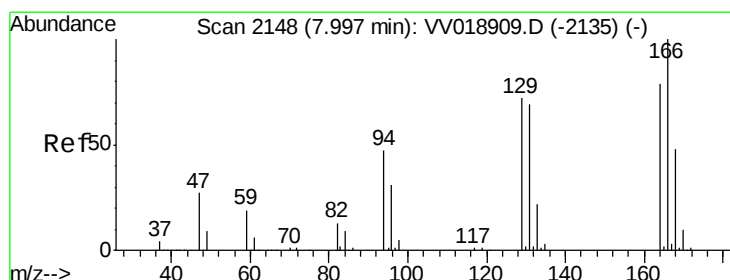
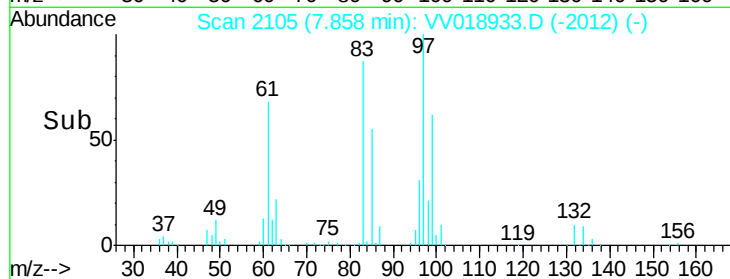
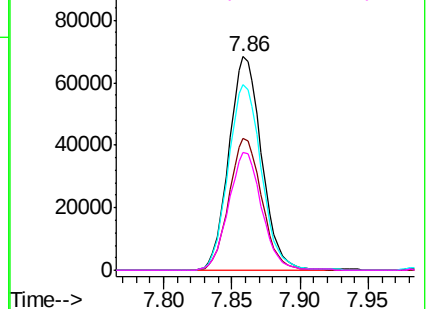


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 49.481 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Tgt Ion: 164 Resp: 96466

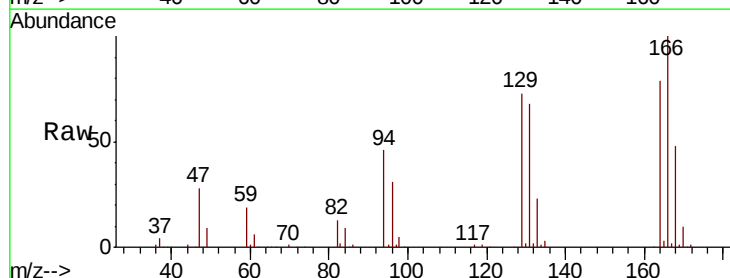
Ion Ratio Lower Upper

164 100

129 92.1 65.0 120.8

131 86.4 62.9 116.7

166 127.0 91.1 169.3

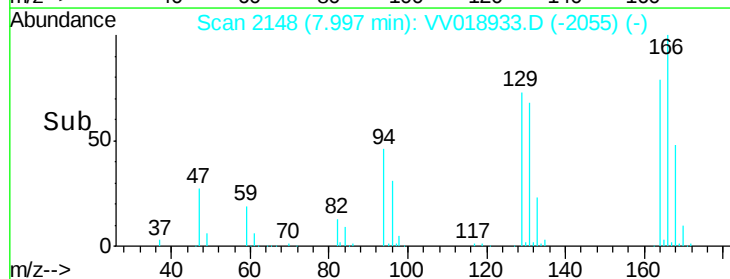
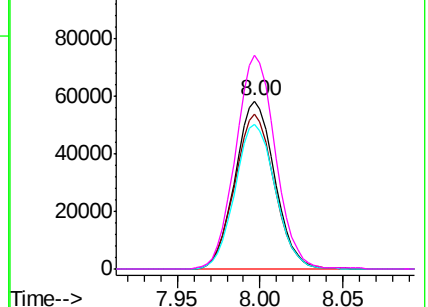


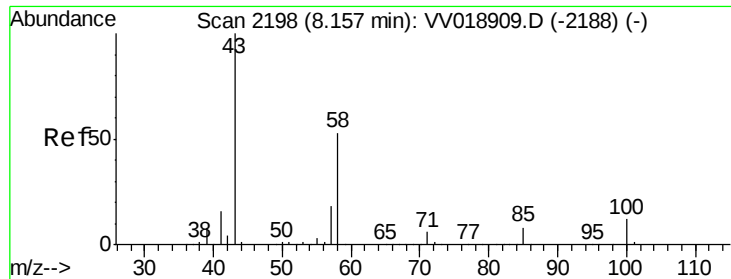
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

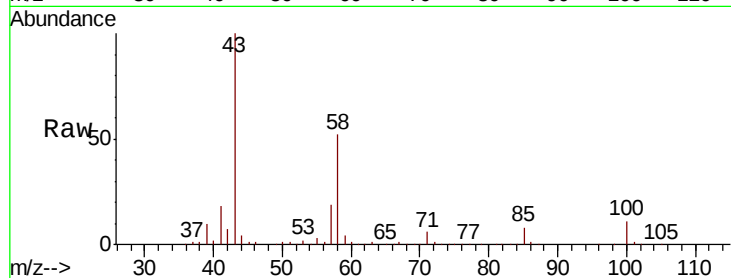




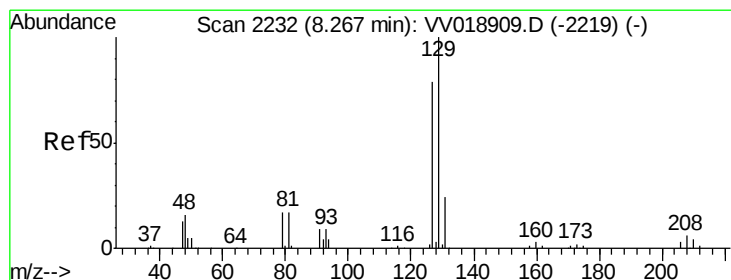
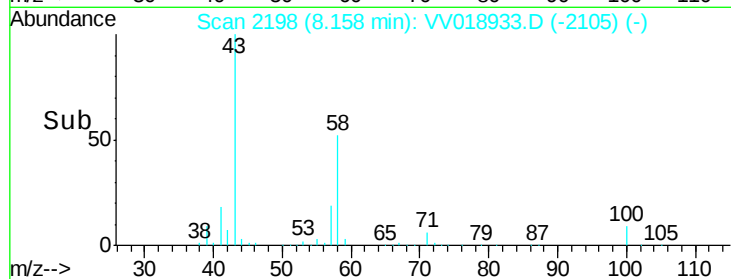
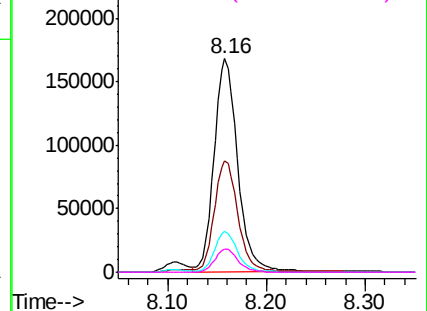
#48
2-Hexanone
Concen: 99.724 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

Tot Ion: 43 Resp: 280013
Ion Ratio Lower Upper
43 100
58 51.9 42.5 63.7
57 18.5 14.5 21.7
100 10.7 9.0 13.4

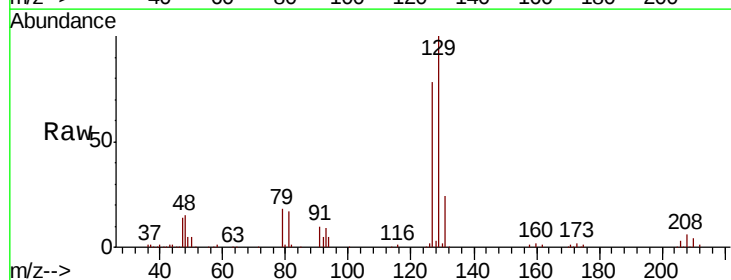


Abundance Ion 43.00 (42.70 to 43.70): VV018933.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV018933.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV018933.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV018933.D (-2198) (-)

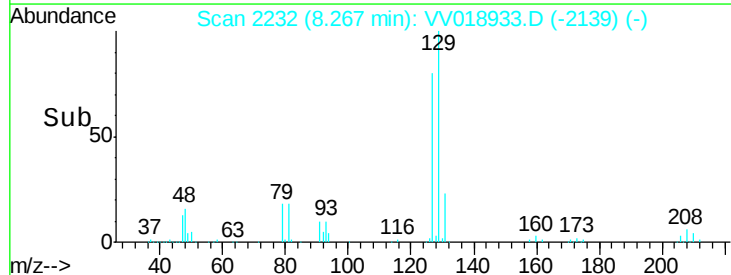
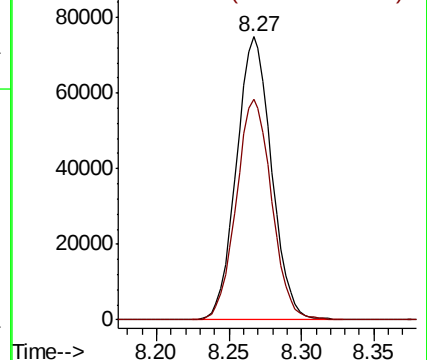


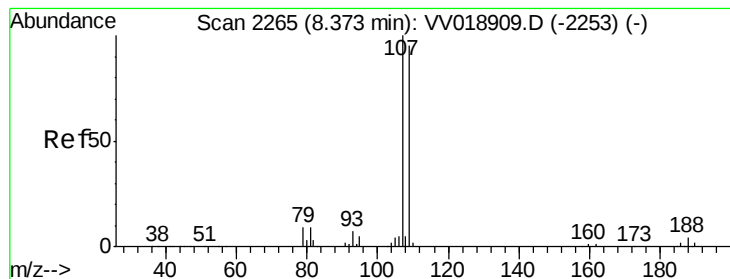
#49
Dibromochloromethane
Concen: 49.768 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Tgt Ion: 129 Resp: 125857
Ion Ratio Lower Upper
129 100
127 78.1 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV018933.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV018933.D (-2232) (-)

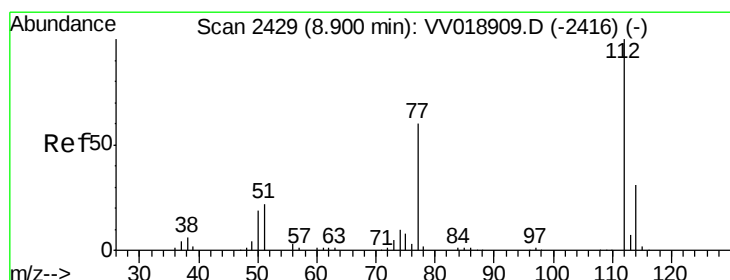
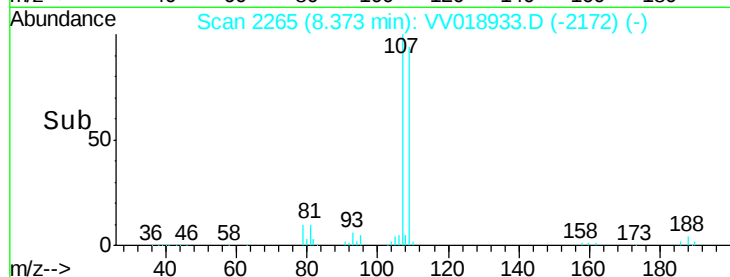
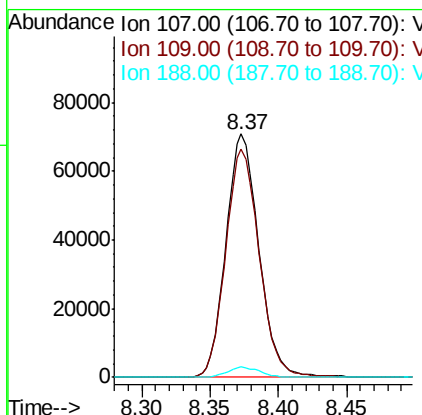
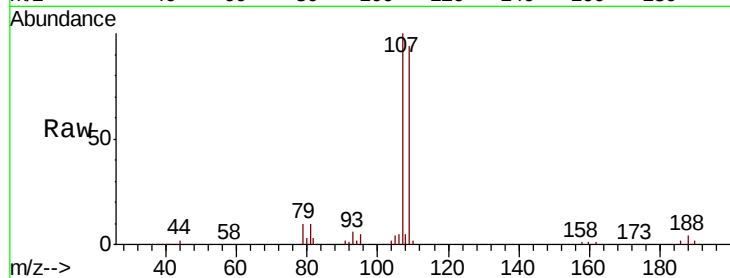




#50
 1,2-Dibromoethane
 Concen: 47.781 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

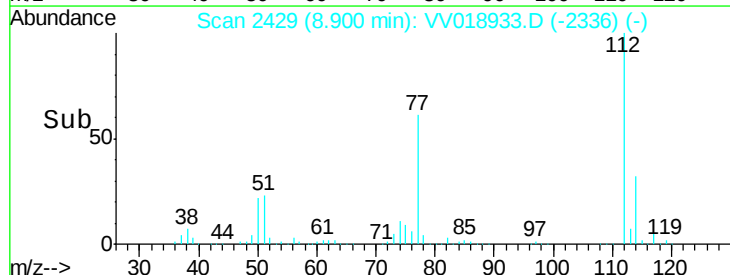
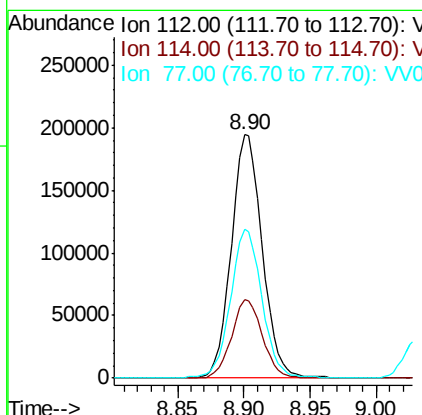
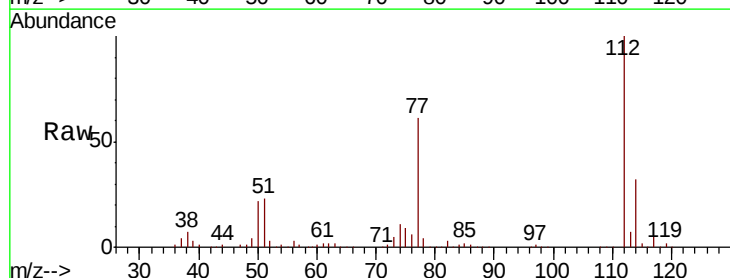
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

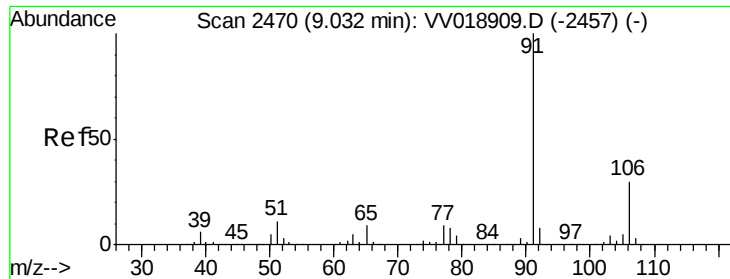
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.8	122.2
188	4.2	3.2	4.8



#51
 Chlorobenzene
 Concen: 48.759 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.8	40.6
77	61.1	49.2	73.8





#52

Ethylbenzene

Concen: 51.439 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

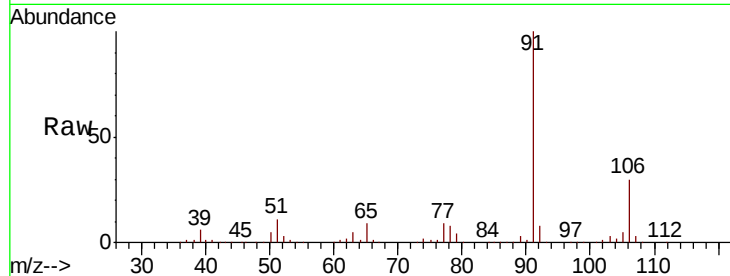
VSTD05091

Tot Ion: 91 Resp: 551701

Ion Ratio Lower Upper

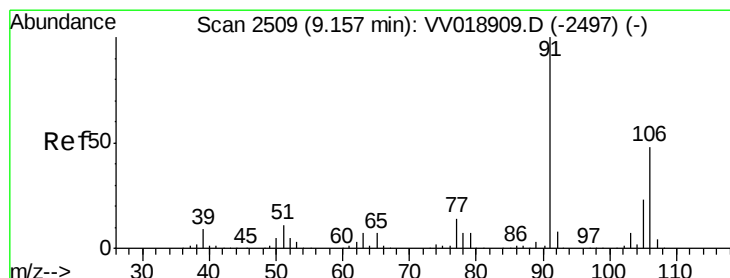
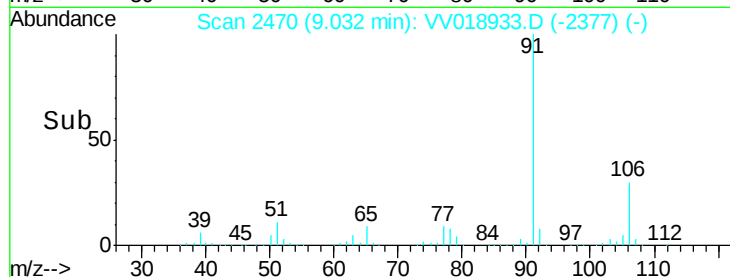
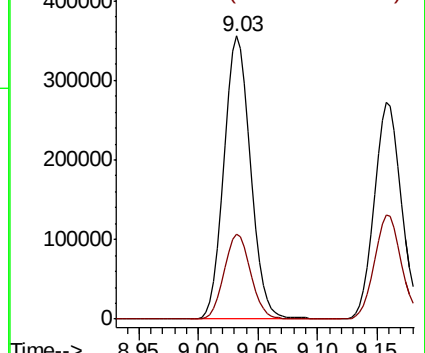
91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018933.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018933.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.554 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018933.D

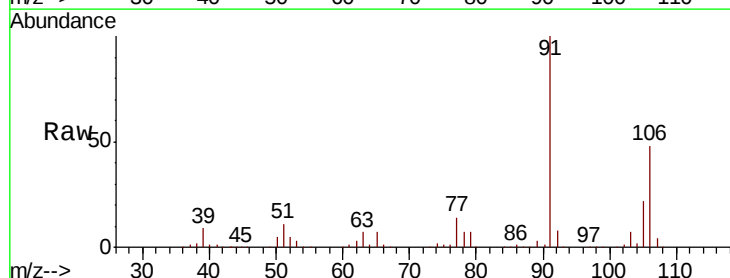
Acq: 16 Oct 2020 00:08

Tgt Ion: 106 Resp: 205998

Ion Ratio Lower Upper

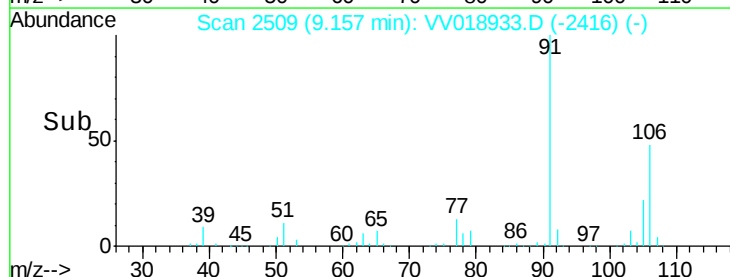
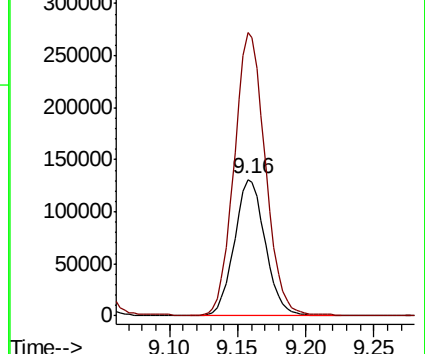
106 100

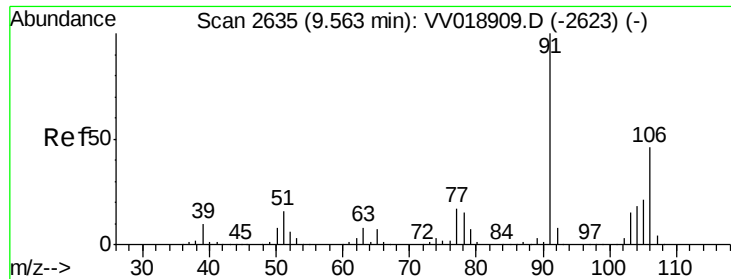
91 207.5 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018933.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018933.D (-2416) (-)

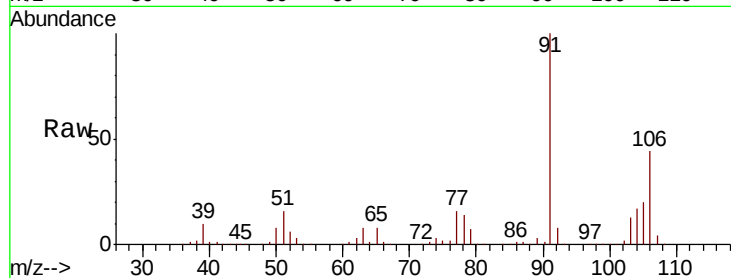




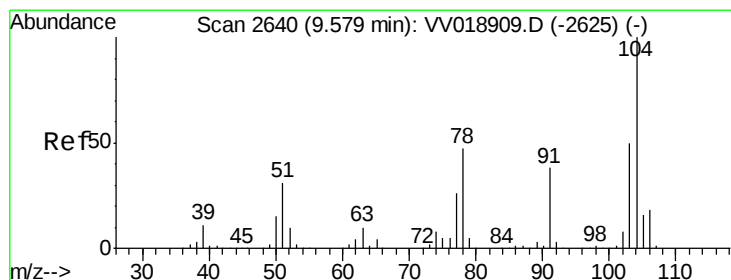
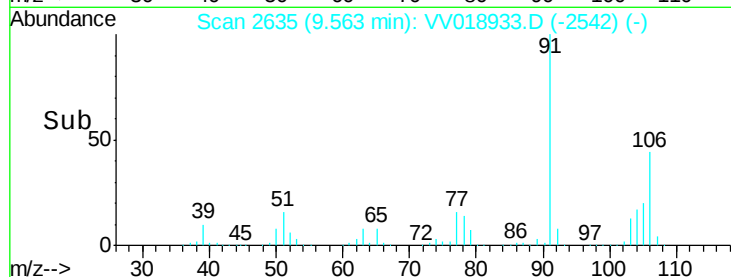
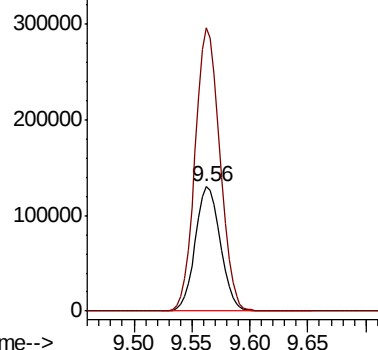
#54
o-xylene
Concen: 51.194 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

Tot Ion:106 Resp: 195703
Ion Ratio Lower Upper
106 100
91 227.7 155.8 289.4

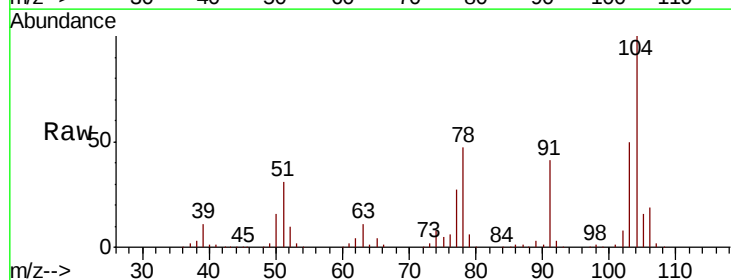


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

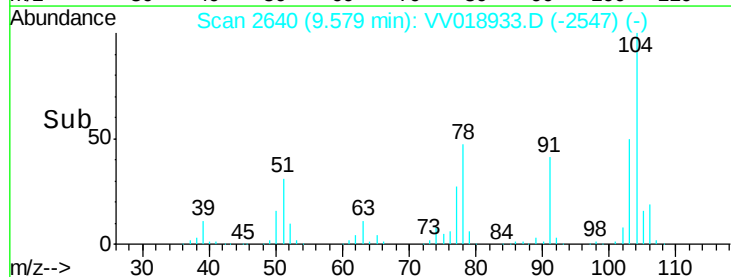
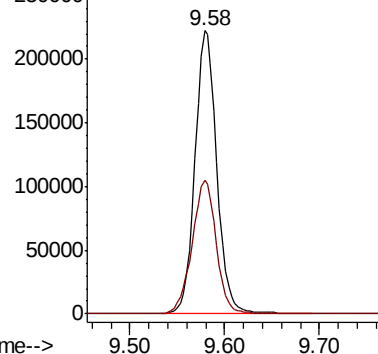


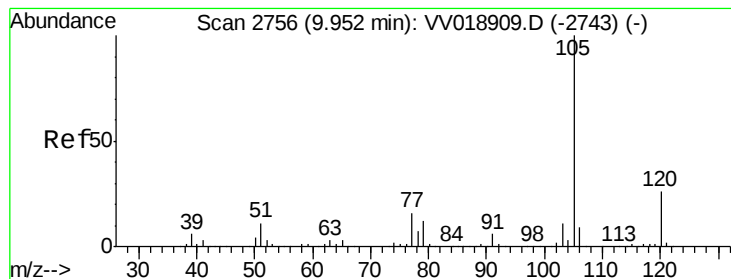
#55
Styrene
Concen: 52.844 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018933.D
Acq: 16 Oct 2020 00:08

Tgt Ion:104 Resp: 355324
Ion Ratio Lower Upper
104 100
78 47.3 33.2 61.6



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





#56

Isopropylbenzene

Concen: 53.022 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

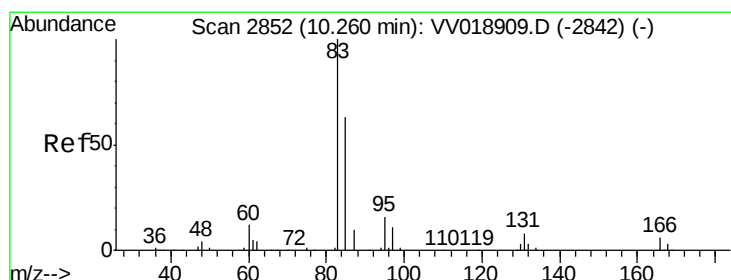
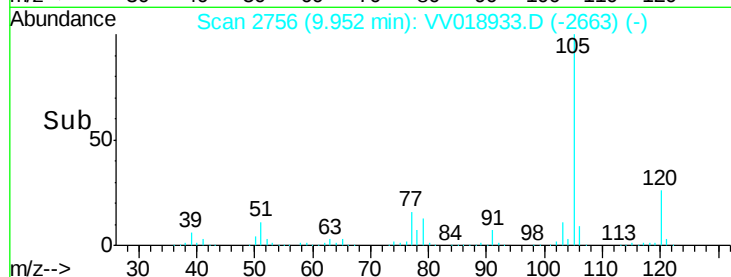
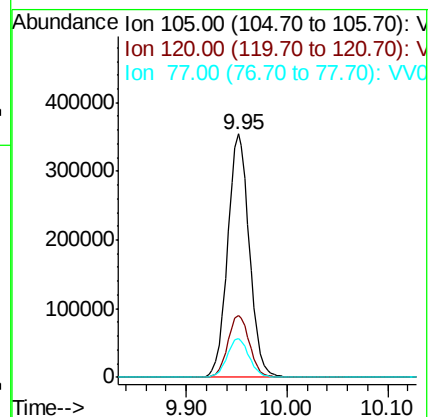
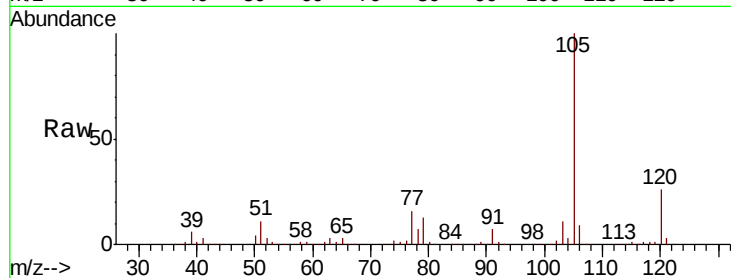
Tot Ion:105 Resp: 532112

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 49.198 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

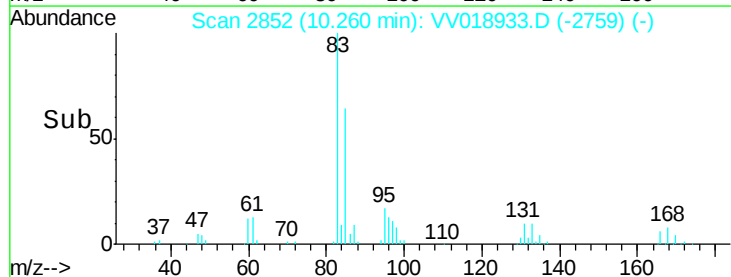
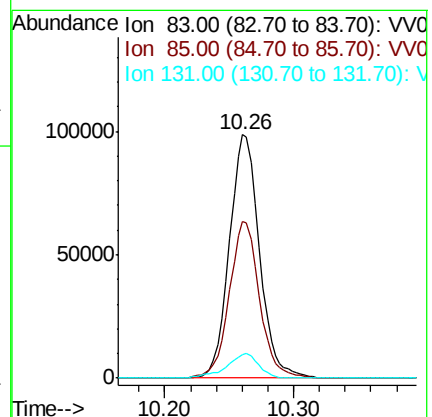
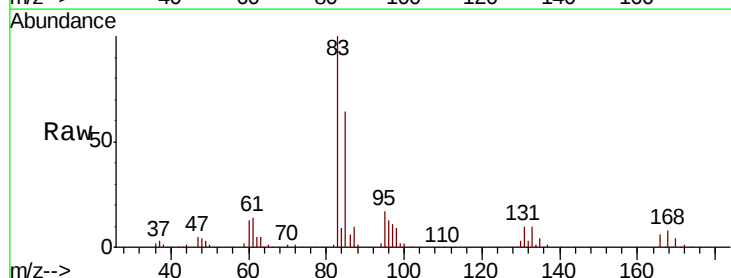
Tgt Ion: 83 Resp: 159571

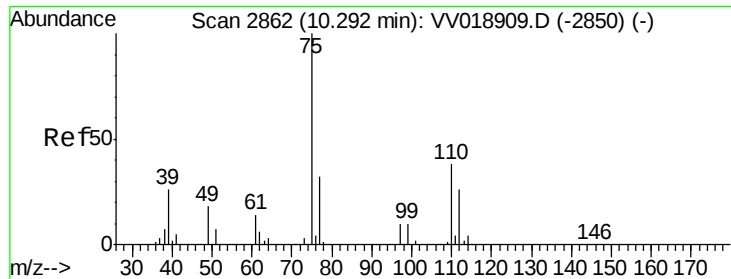
Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

131 9.9 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 47.977 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

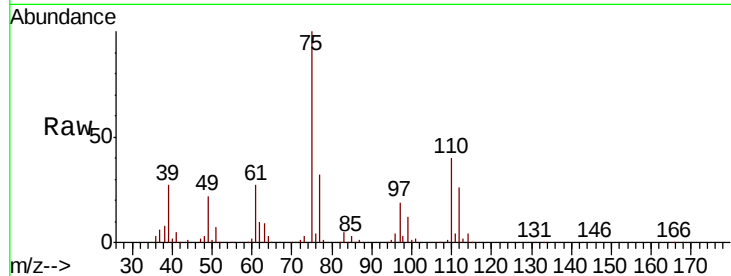
VSTD05091

Tot Ion: 75 Resp: 149132

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.29

80000

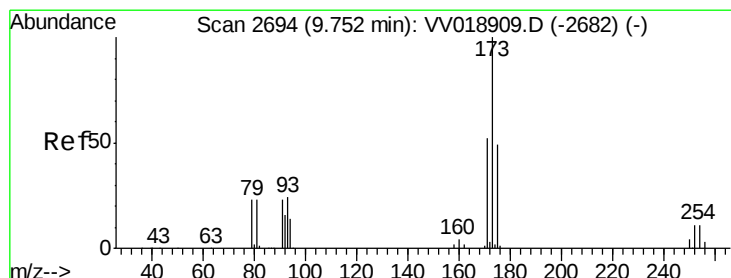
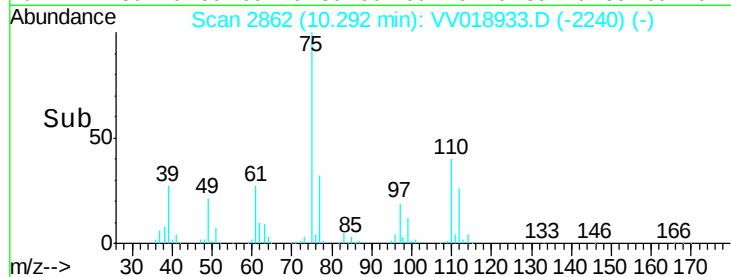
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 49.583 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

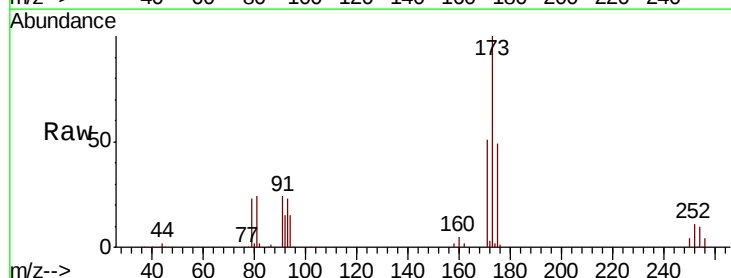
Tgt Ion: 173 Resp: 90783

Ion Ratio Lower Upper

173 100

175 49.4 38.2 57.2

254 10.6 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

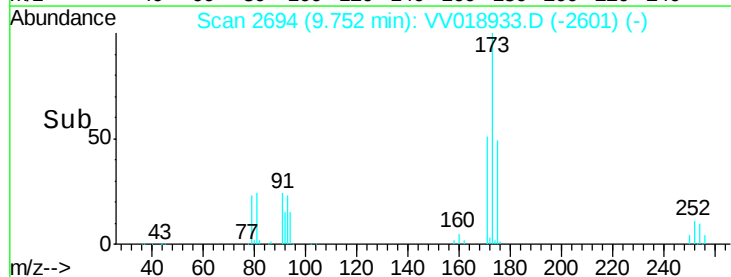
60000

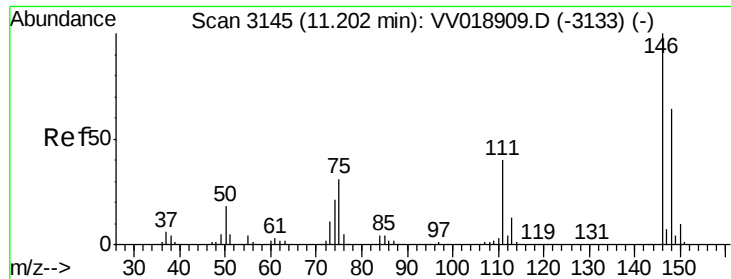
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 48.972 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

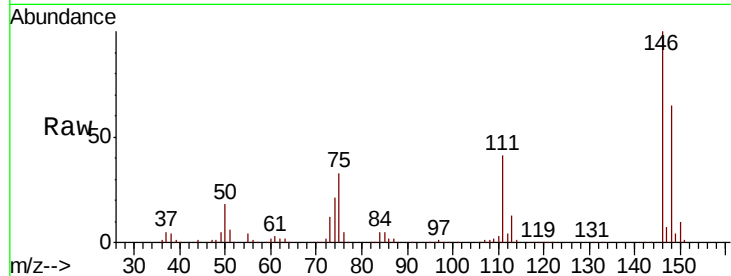
Tot Ion:146 Resp: 254459

Ion Ratio Lower Upper

146 100

111 40.8 28.3 52.7

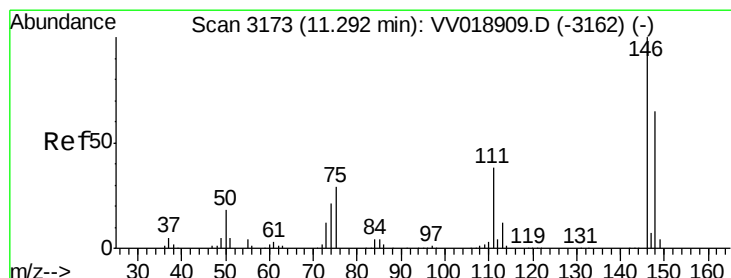
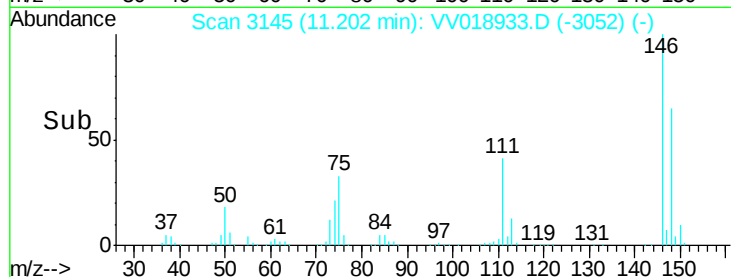
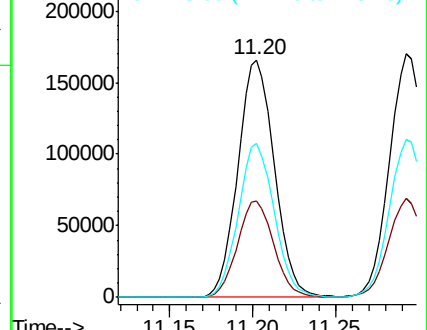
148 64.8 45.1 83.7



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: 47.556 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

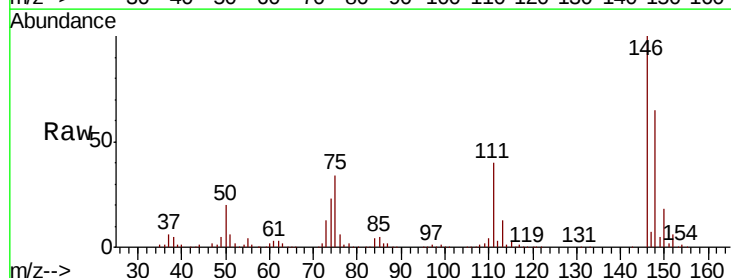
Tgt Ion:146 Resp: 259790

Ion Ratio Lower Upper

146 100

111 40.4 27.5 51.1

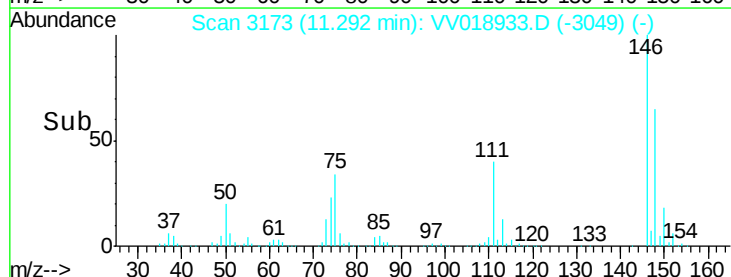
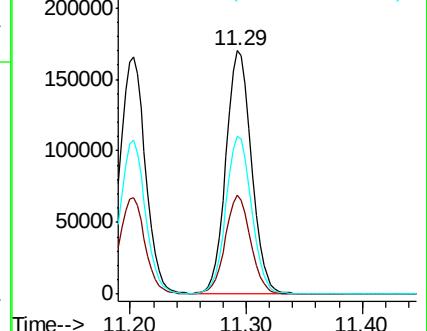
148 65.0 44.1 81.9

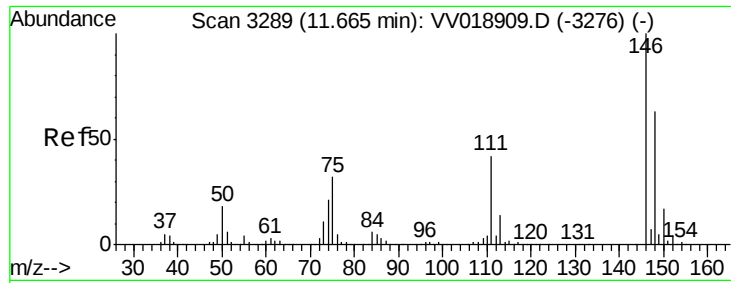


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.765 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

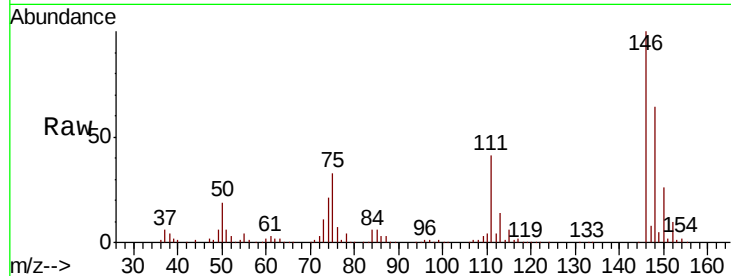
Tot Ion:146 Resp: 255639

Ion Ratio Lower Upper

146 100

111 40.9 33.9 50.9

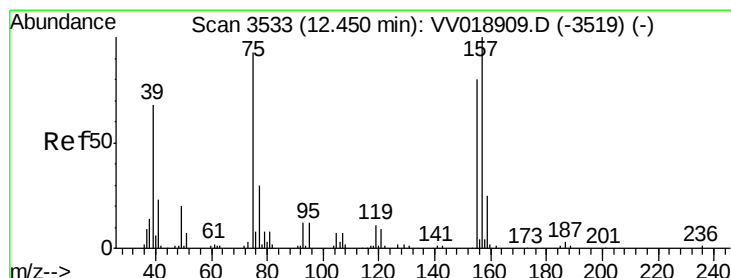
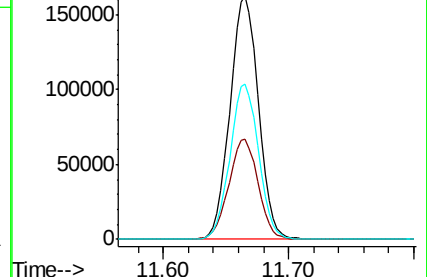
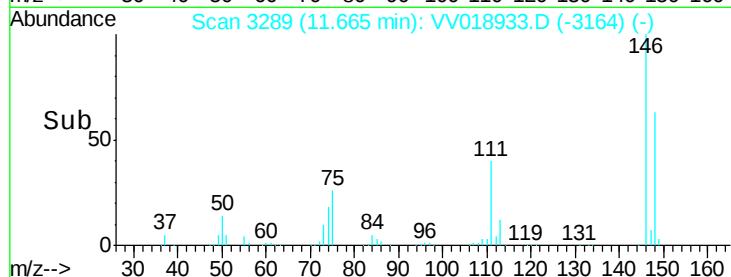
148 63.7 49.8 74.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 48.387 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

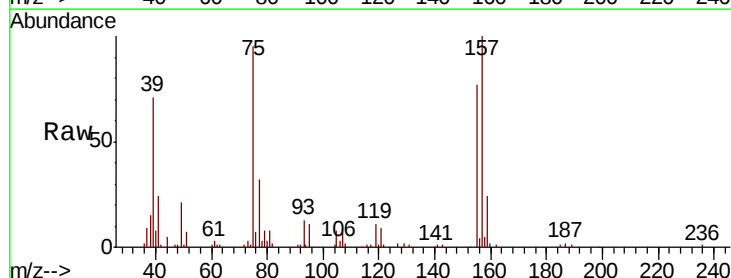
Tgt Ion: 75 Resp: 37801

Ion Ratio Lower Upper

75 100

155 81.4 65.7 98.5

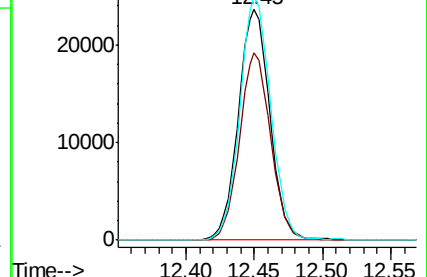
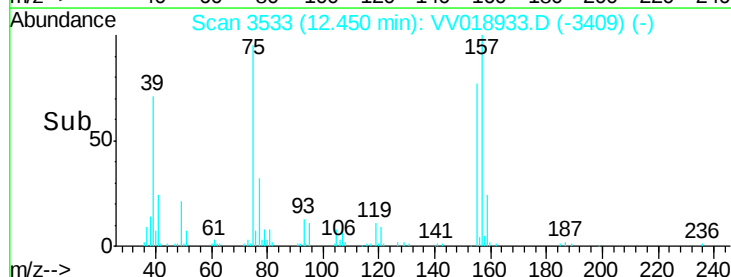
157 105.6 83.0 124.4

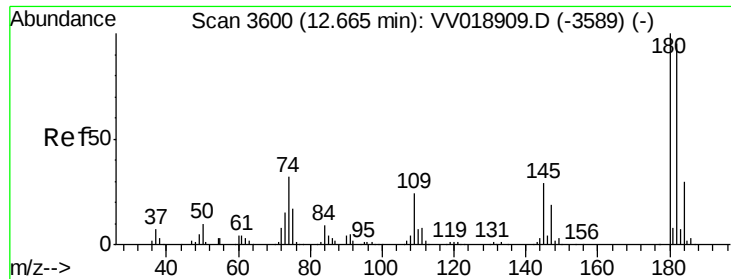


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

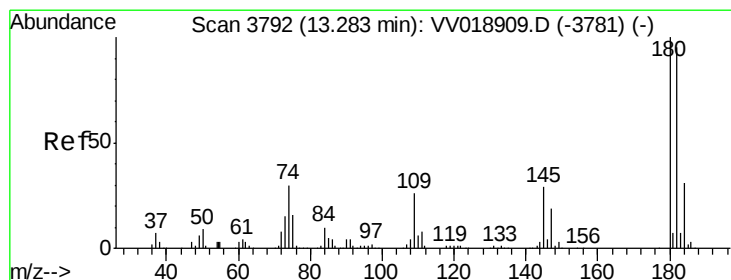
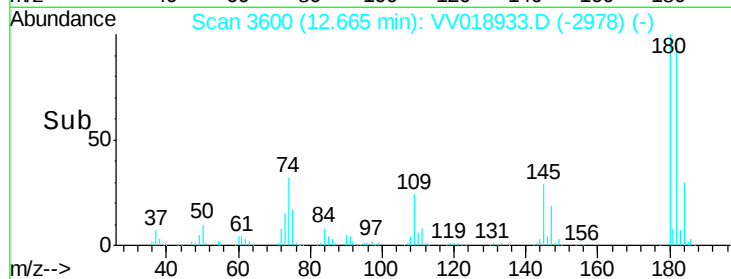
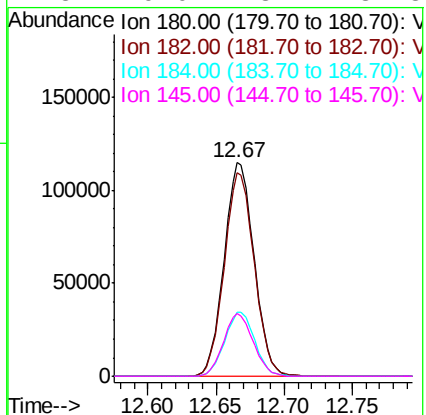
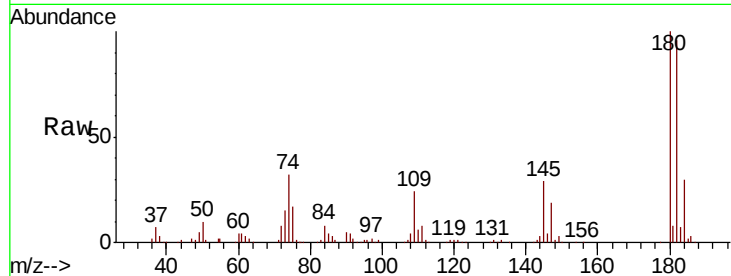




#67
 1,3,5-Trichlorobenzene
 Concen: 50.127 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

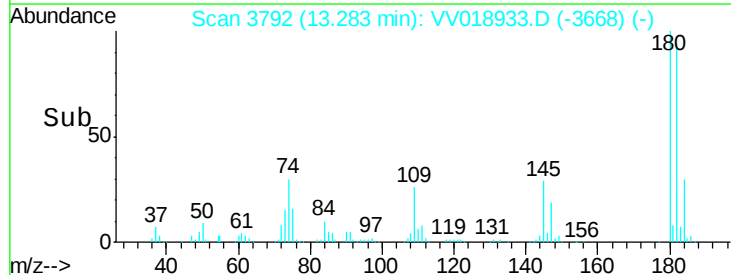
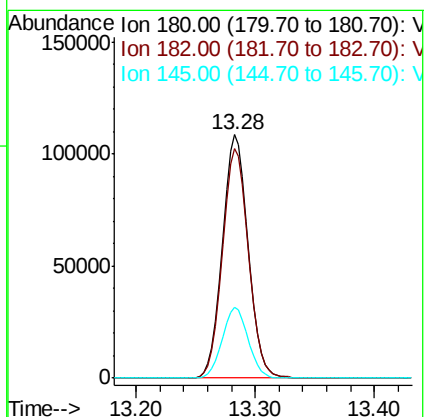
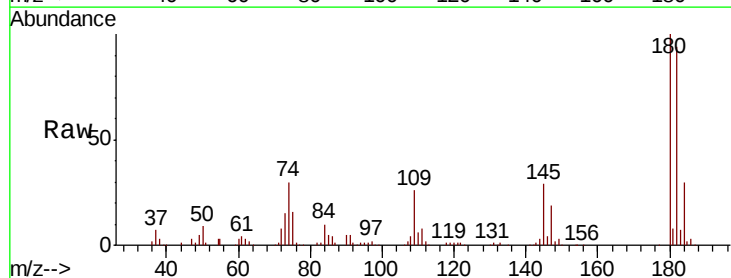
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

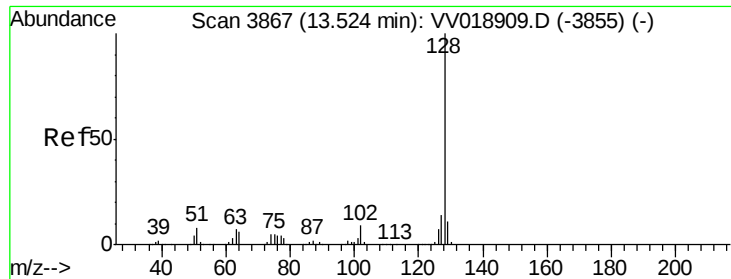
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.8
184	30.2	24.9	37.3
145	29.0	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 50.558 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018933.D
 Acq: 16 Oct 2020 00:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.5	114.7
145	29.3	23.7	35.5





#69

Naphthalene

Concen: 51.860 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

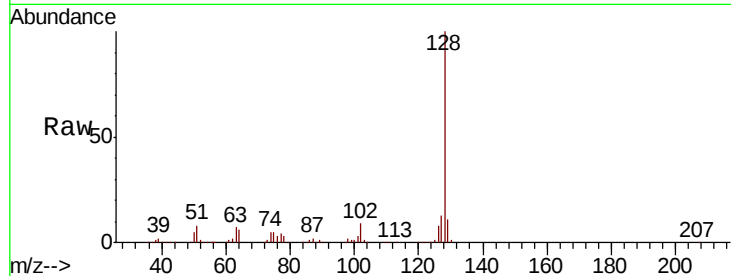
Tot Ion:128 Resp: 473349

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

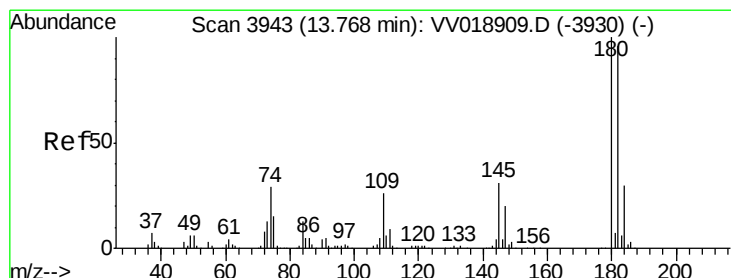
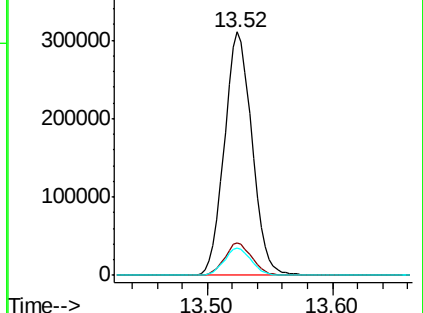
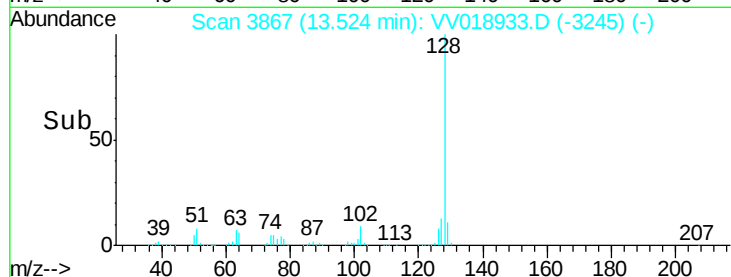
129 11.0 8.9 13.3



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: 51.551 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018933.D

Acq: 16 Oct 2020 00:08

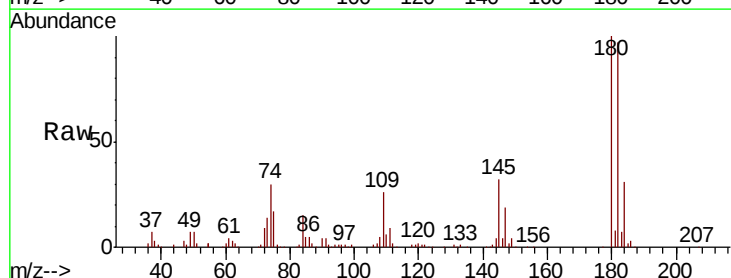
Tgt Ion:180 Resp: 165731

Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 31.8 25.4 38.0



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

