

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019173.D
 Acq On : 30 Oct 2020 03:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Oct 30 05:47:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	219940	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	210333	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113241	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71594	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.92%
7) Chloroethane-d5	1.58	69	58990	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.12	63	145490	43.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.52%
21) 2-Butanone-d5	3.91	46	100921	94.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.27%
24) Chloroform-d	4.38	84	154109	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.05	65	107087	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
32) Benzene-d6	5.07	84	281114	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
36) 1,2-Dichloropropane-d6	6.09	67	85043	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.60%
41) Toluene-d8	7.34	98	261245	45.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.16%
43) trans-1,3-Dichloropropene-	7.64	79	46851	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.11	63	74397	96.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.56%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	116426	48.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	108669	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	85947	44.504	ug/L 98
3) Chloromethane	1.25	50	86474	49.308	ug/L 99
5) Vinyl chloride	1.32	62	87775	48.887	ug/L 99
6) Bromomethane	1.53	94	60237	50.085	ug/L 98
8) Chloroethane	1.60	64	56912	50.978	ug/L 99
9) Trichlorofluoromethane	1.77	101	136818	45.720	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	58851	40.864	ug/L 99
12) 1,1-Dichloroethene	2.13	96	66984	47.492	ug/L 97
13) Acetone	2.19	43	79540	79.976	ug/L 96
14) Carbon disulfide	2.31	76	204715	45.664	ug/L 99
15) Methyl Acetate	2.45	43	81694	50.971	ug/L 100
16) Methylene chloride	2.52	84	81834	51.096	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	74593	49.240	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	260741	51.402	ug/L 99
19) 1,1-Dichloroethane	3.21	63	144982	51.370	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	82460	49.598	ug/L 96
22) 2-Butanone	3.99	43	107927	99.630	ug/L 98

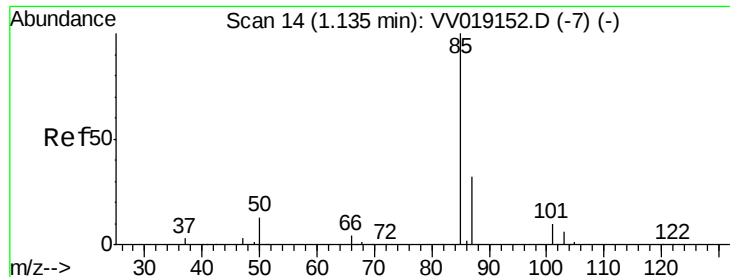
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
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 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	45650	51.168	uq/L	98
25) Chloroform	4.40	83	154670	50.714	uq/L	98
27) 1,2-Dichloroethane	5.15	62	135689	52.259	uq/L	100
29) Cyclohexane	4.70	56	95359	40.611	uq/L	99
30) 1,1,1-Trichloroethane	4.64	97	139336	48.885	uq/L	100
31) Carbon tetrachloride	4.86	117	116506	46.096	uq/L	100
33) Benzene	5.13	78	309191	50.985	uq/L	100
34) Trichloroethene	5.94	95	78536	47.273	uq/L	99
35) Methylcyclohexane	6.15	83	87945	39.212	uq/L	99
37) 1,2-Dichloropropane	6.20	63	77709	51.598	uq/L	99
38) Bromodichloromethane	6.53	83	114680	51.188	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	123798	49.766	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	223185	107.425	uq/L	99
42) Toluene	7.41	91	327142	49.208	uq/L	97
44) trans-1,3-Dichloropropene	7.67	75	131142	50.678	uq/L	98
45) 1,1,2-Trichloroethane	7.86	97	78713	52.112	uq/L	99
46) Tetrachloroethene	8.00	164	61271	43.191	uq/L	99
48) 2-Hexanone	8.16	43	173331	104.963	uq/L	98
49) Dibromochloromethane	8.27	129	95573	52.259	uq/L	99
50) 1,2-Dibromoethane	8.37	107	83334	51.711	uq/L	98
51) Chlorobenzene	8.90	112	207613	47.632	uq/L	98
52) Ethylbenzene	9.03	91	338510	46.209	uq/L	99
53) m,p-Xylene	9.16	106	131256	47.438	uq/L	98
54) o-xylene	9.56	106	129051	48.579	uq/L	99
55) Styrene	9.58	104	231149	49.093	uq/L	97
56) Isopropylbenzene	9.95	105	319676	44.778	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	120437	52.365	uq/L	97
59) 1,2,3-Trichloropropane	10.29	75	102832	52.231	uq/L	99
61) Bromoform	9.75	173	73456	52.586	uq/L	97
62) 1,3-Dichlorobenzene	11.20	146	169359	47.414	uq/L	100
63) 1,4-Dichlorobenzene	11.29	146	174952	47.130	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	174649	49.358	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31094	51.357	uq/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	119749	45.542	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	115363	46.828	uq/L	99
69) Naphthalene	13.52	128	368527	53.408	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	122320	50.738	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.504 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

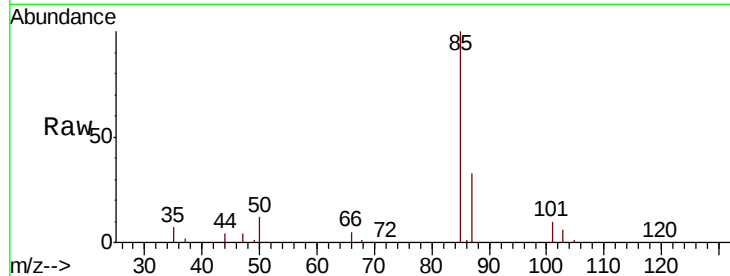
VSTD05080

Tot Ion: 85 Resp: 85947

Ion Ratio Lower Upper

85 100

87 32.7 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV019173.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV019173.D (-1) (-)

1.14

100000

80000

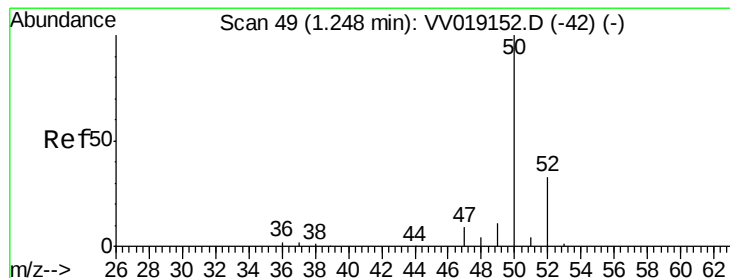
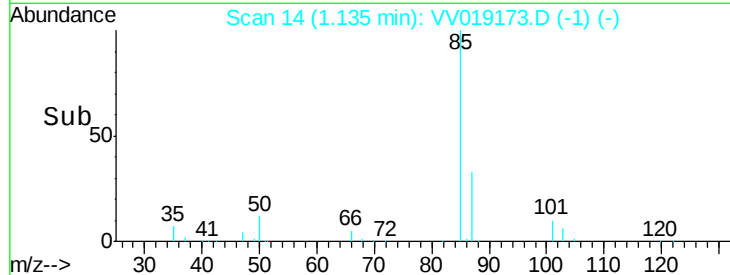
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 49.308 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019173.D

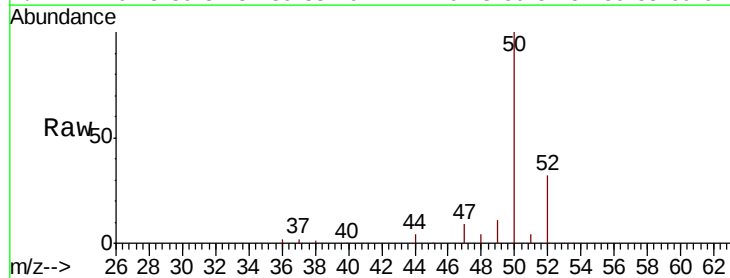
Acq: 30 Oct 2020 03:08

Tgt Ion: 50 Resp: 86474

Ion Ratio Lower Upper

50 100

52 32.4 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV019173.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV019173.D (-1) (-)

1.25

100000

80000

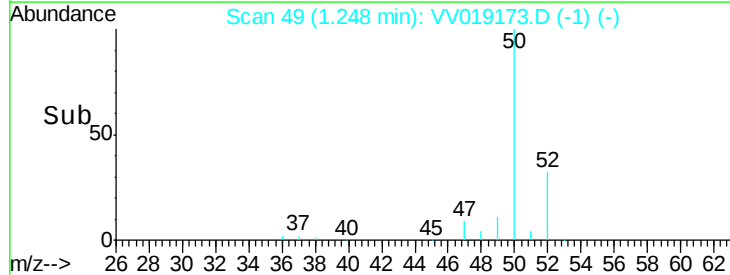
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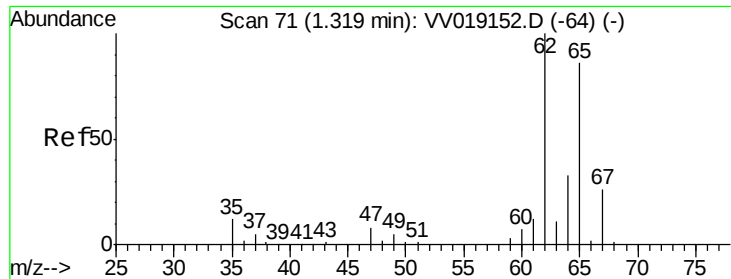
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.887 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

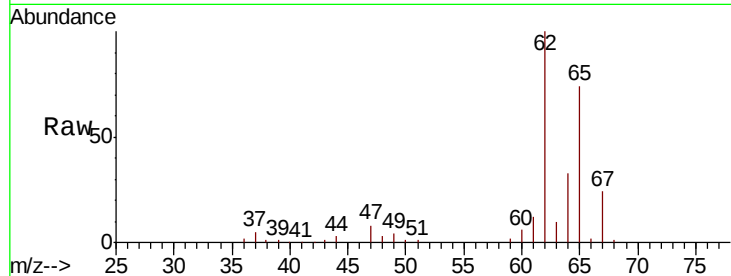
VSTD05080

Tot Ion: 62 Resp: 87775

Ion Ratio Lower Upper

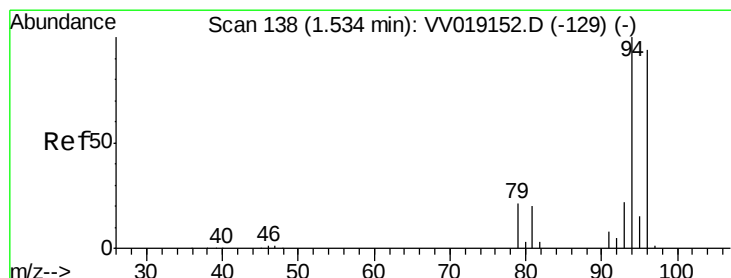
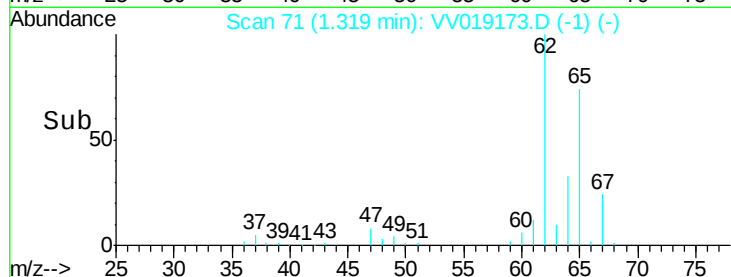
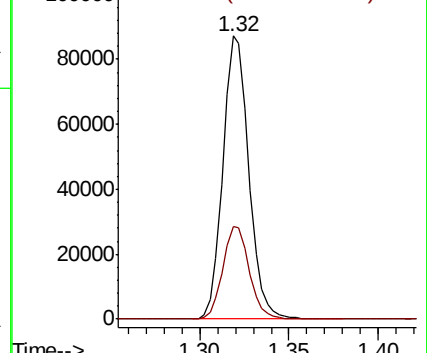
62 100

64 32.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.085 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019173.D

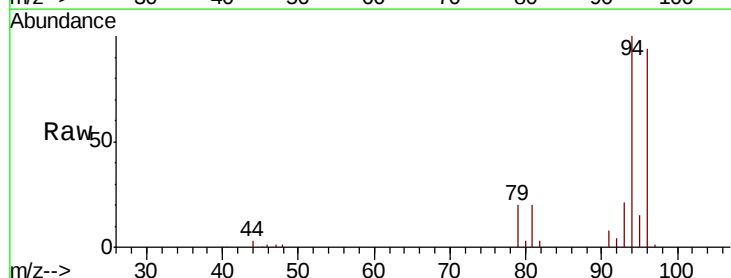
Acq: 30 Oct 2020 03:08

Tgt Ion: 94 Resp: 60237

Ion Ratio Lower Upper

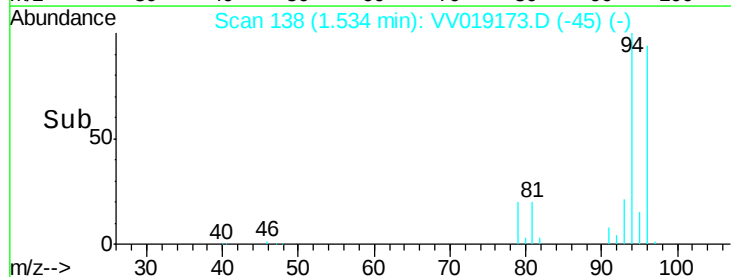
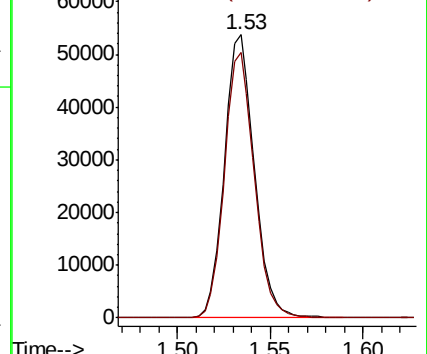
94 100

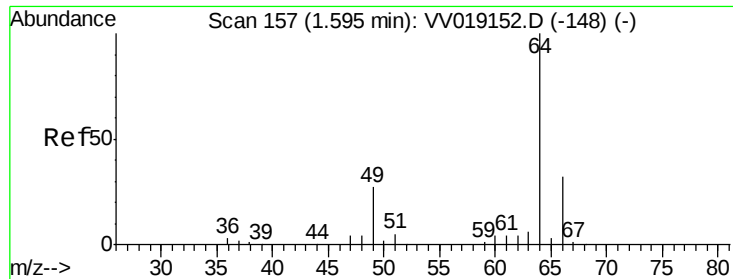
96 93.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.978 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

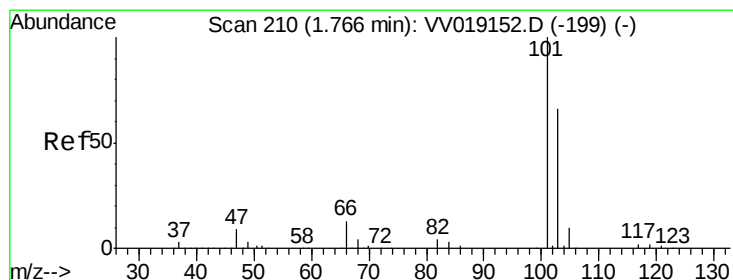
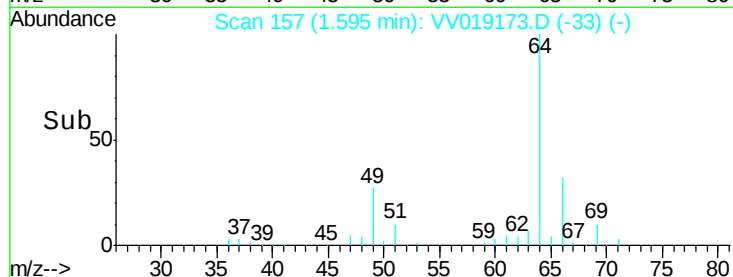
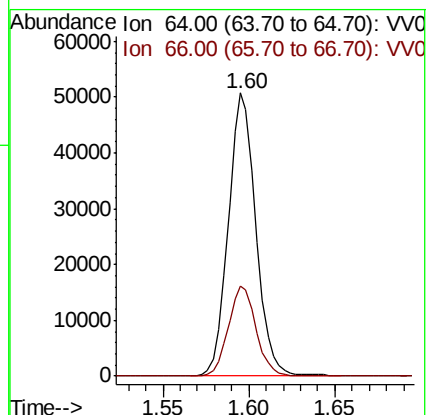
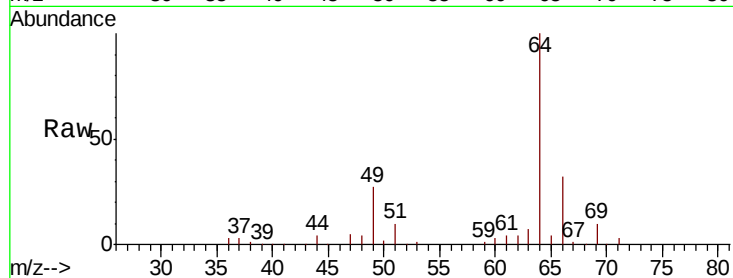
VSTD05080

Tot Ion: 64 Resp: 56912

Ion Ratio Lower Upper

64 100

66 31.9 22.0 40.8



#9

Trichlorofluoromethane

Concen: 45.720 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019173.D

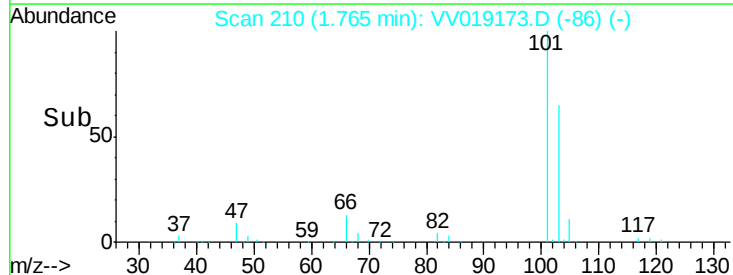
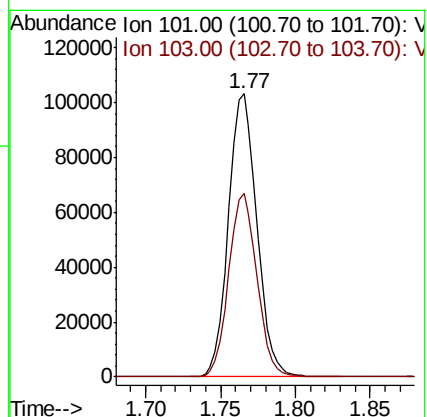
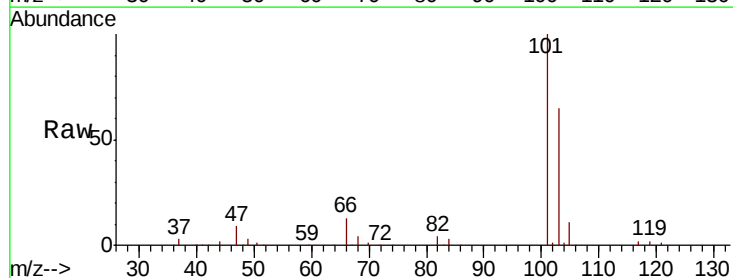
Acq: 30 Oct 2020 03:08

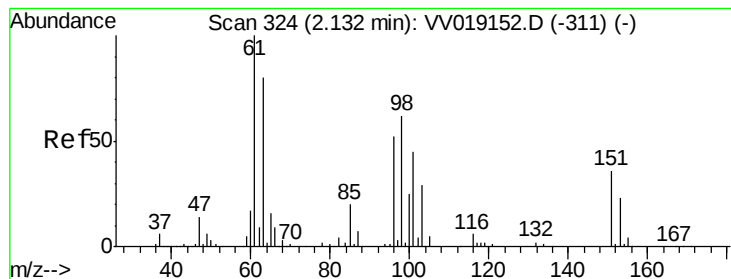
Tgt Ion: 101 Resp: 136818

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9





#10

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

Concen: 40.864 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

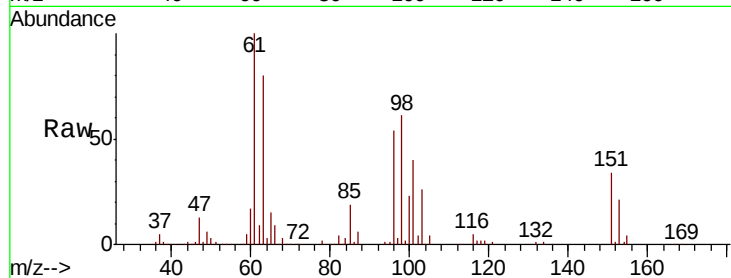
Tot Ion:101 Resp: 58851

Ion Ratio Lower Upper

101 100

85 45.7 36.1 54.1

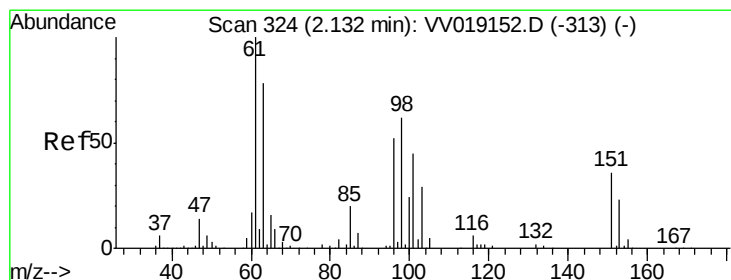
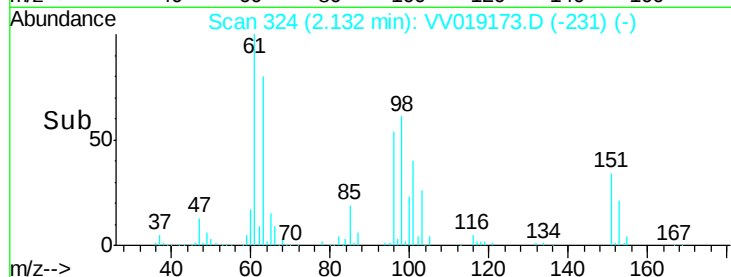
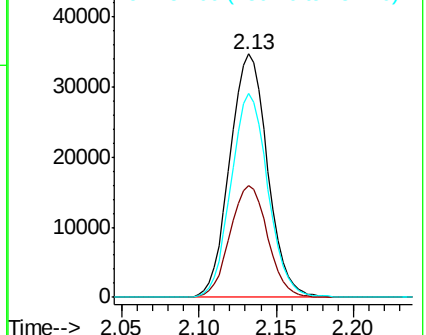
151 82.1 65.0 97.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.492 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

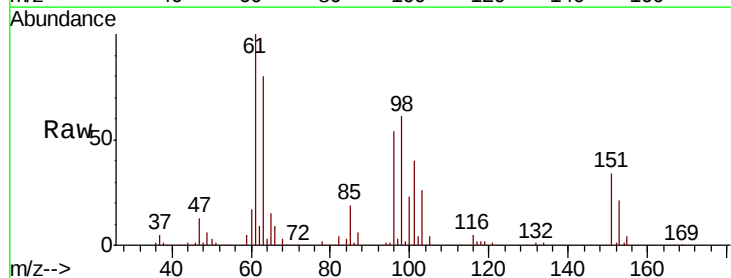
Tgt Ion: 96 Resp: 66984

Ion Ratio Lower Upper

96 100

61 186.5 132.6 246.2

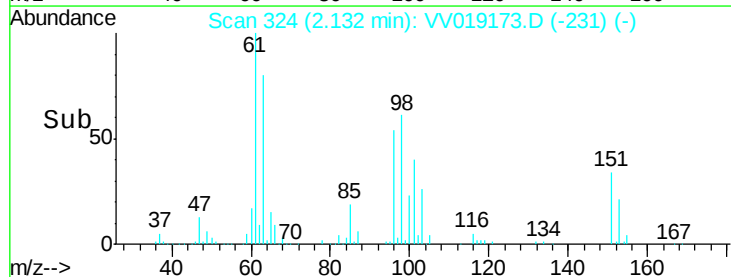
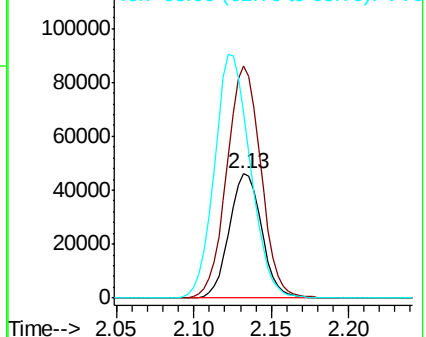
63 148.9 108.4 201.4

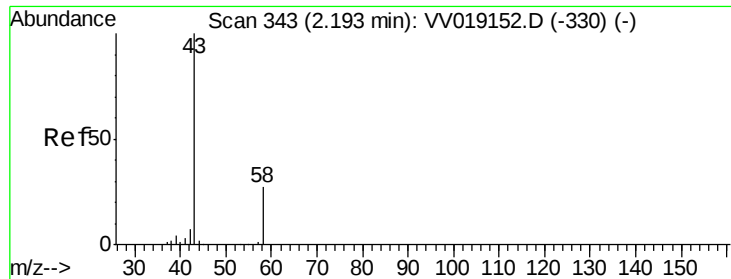


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 79.976 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

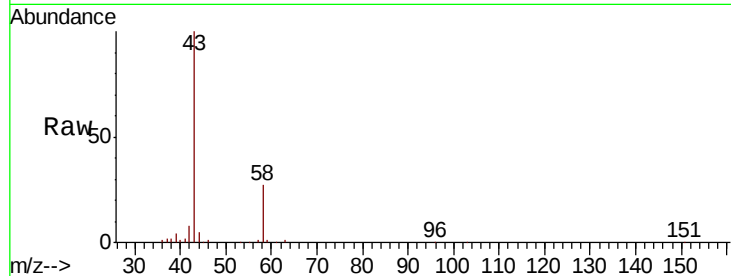
VSTD05080

Tot Ion: 43 Resp: 79540

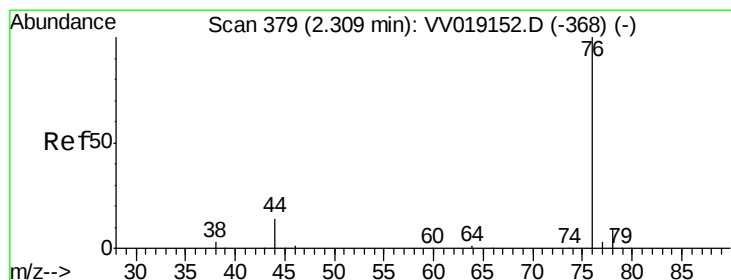
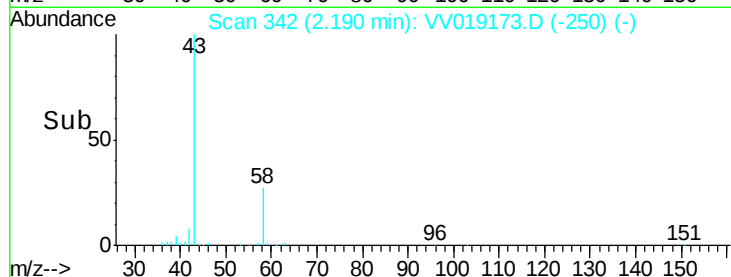
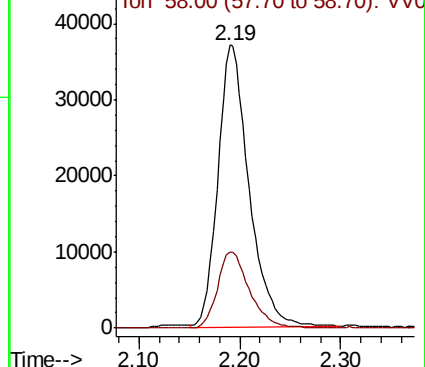
Ion Ratio Lower Upper

43 100

58 27.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV019173.D (-250) (-)



#14

Carbon disulfide

Concen: 45.664 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019173.D

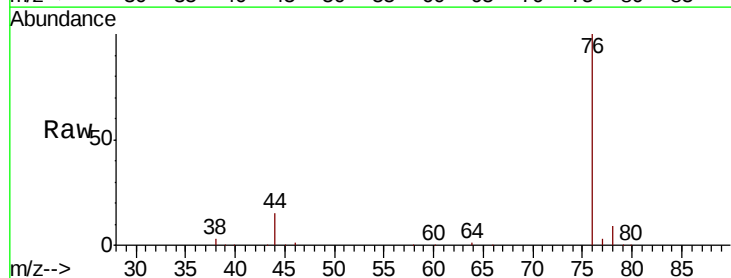
Acq: 30 Oct 2020 03:08

Tgt Ion: 76 Resp: 204715

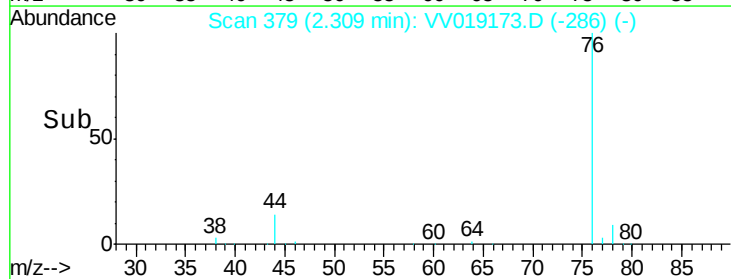
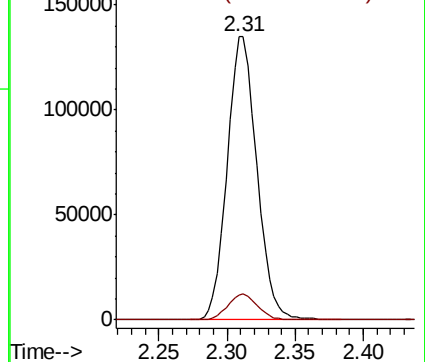
Ion Ratio Lower Upper

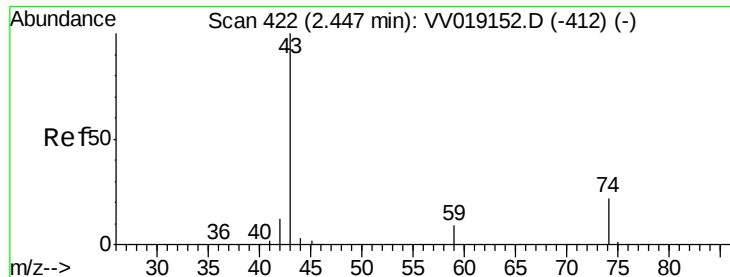
76 100

78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019173.D (-286) (-)

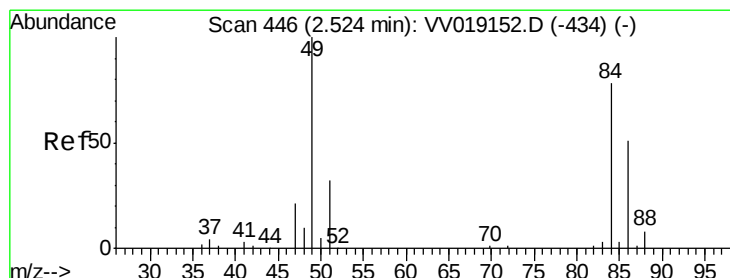
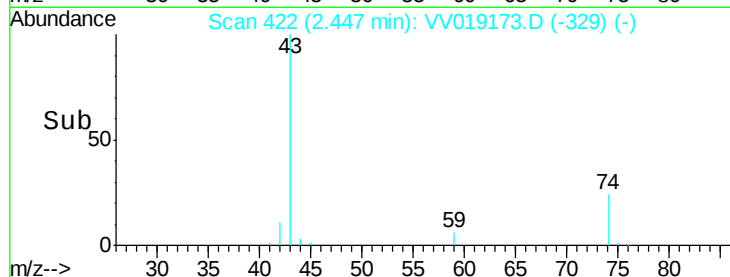
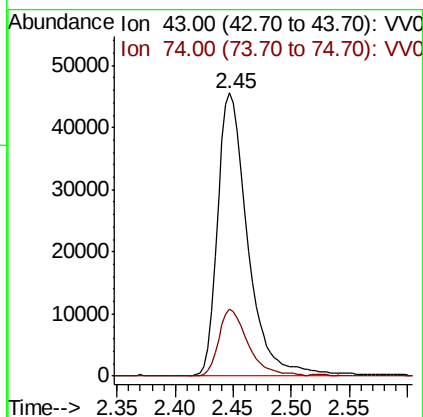
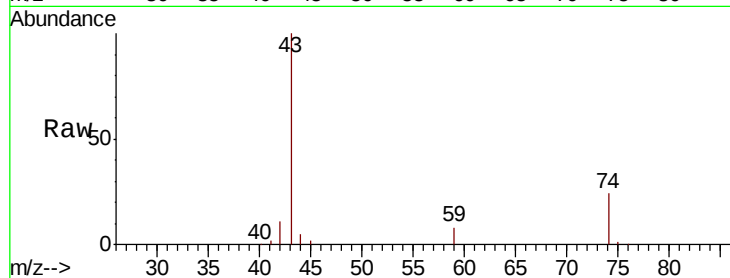




#15
Methvl Acetate
Concen: 50.971 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

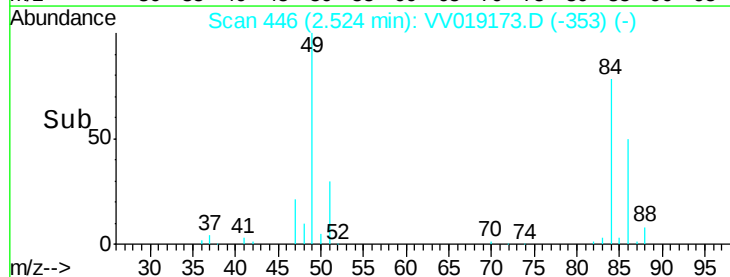
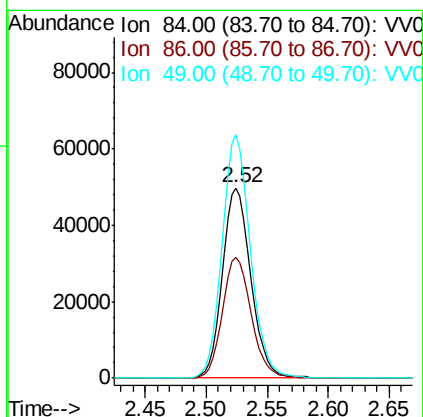
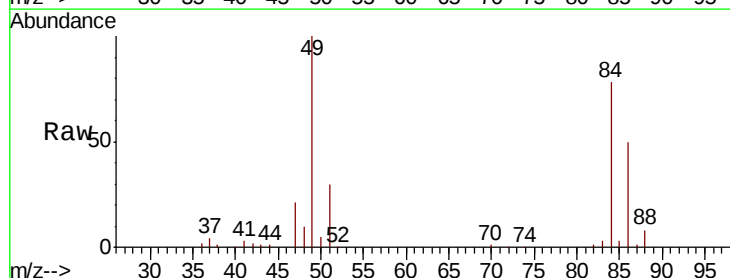
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

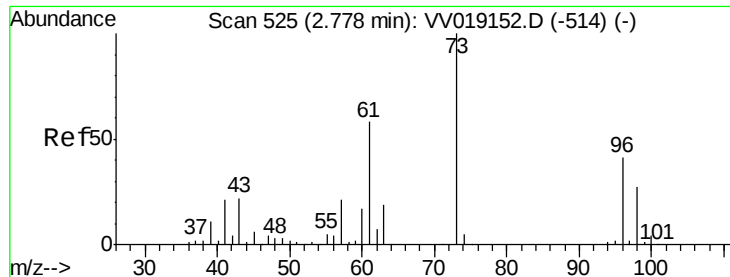
Tot Ion: 43 Resp: 81694
Ion Ratio Lower Upper
43 100
74 23.2 18.4 27.6



#16
Methylene chloride
Concen: 51.096 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Tgt Ion: 84 Resp: 81834
Ion Ratio Lower Upper
84 100
86 63.6 46.0 85.4
49 128.0 87.8 163.2

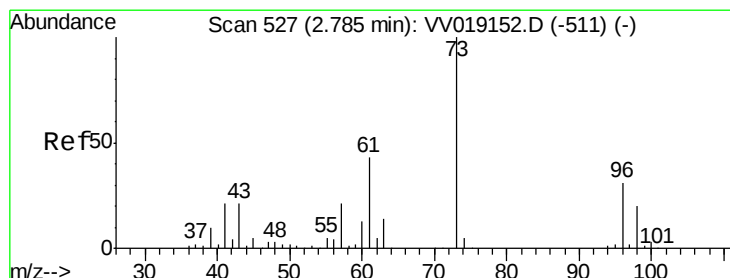
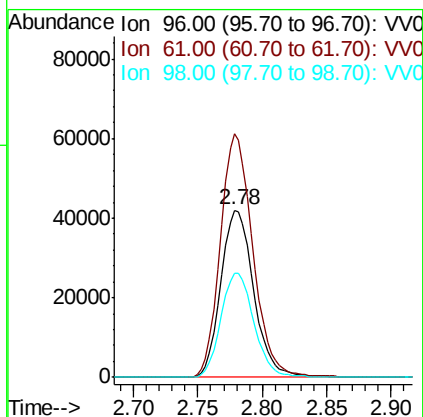
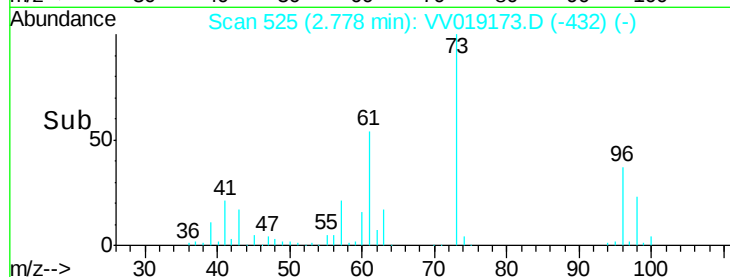
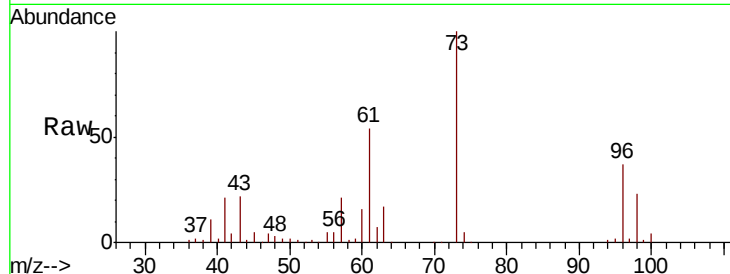




#17
trans-1,2-Dichloroethene
Concen: 49.240 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

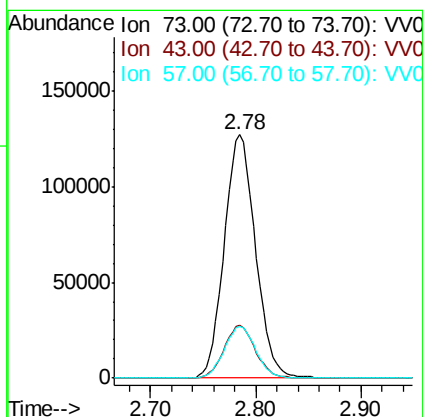
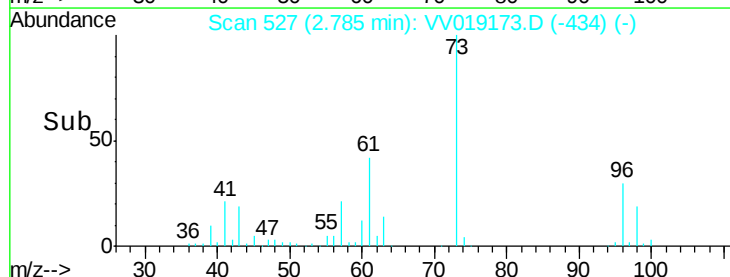
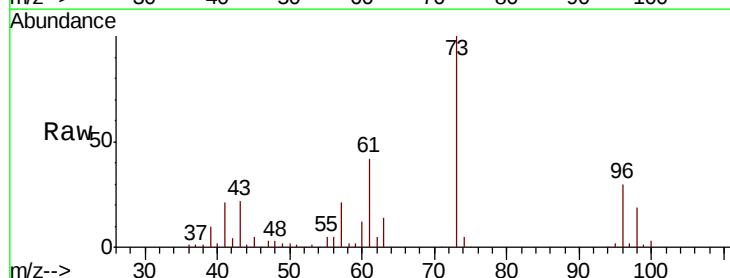
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

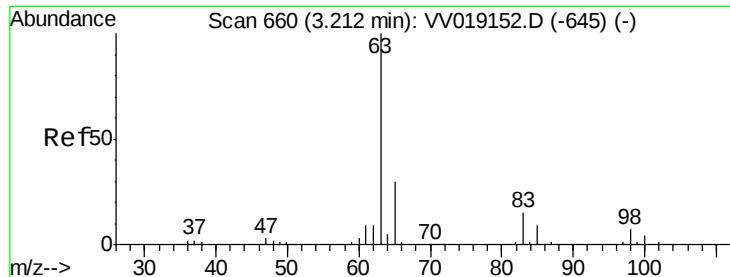
Tot Ion: 96 Resp: 74593
Ion Ratio Lower Upper
96 100
61 146.0 102.4 190.2
98 62.1 45.9 85.3



#18
Methyl tert-butyl Ether
Concen: 51.402 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Tgt Ion: 73 Resp: 260741
Ion Ratio Lower Upper
73 100
43 21.7 17.9 26.9
57 21.4 17.1 25.7

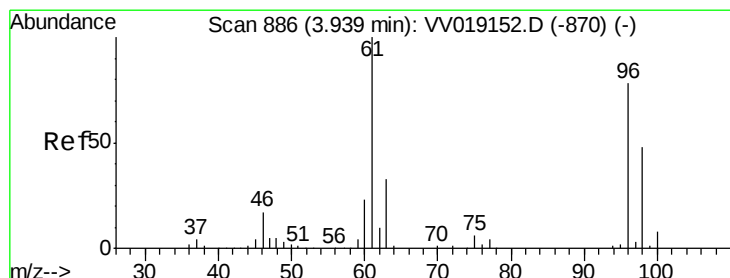
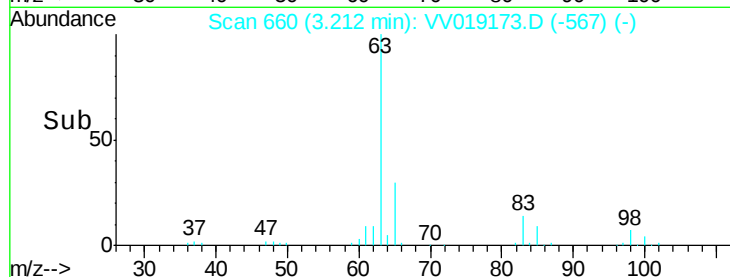
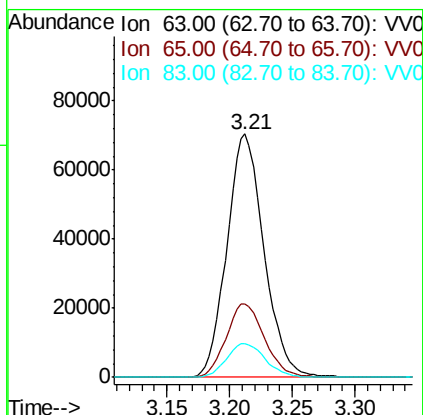
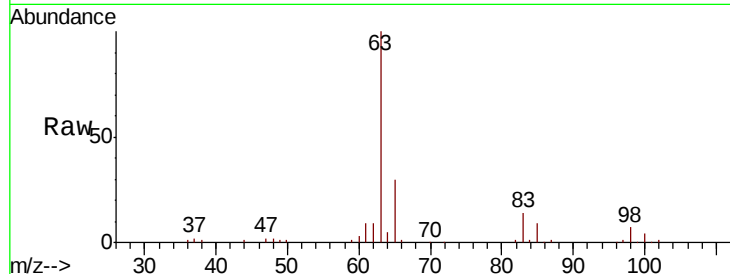




#19
 1,1-Dichloroethane
 Concen: 51.370 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

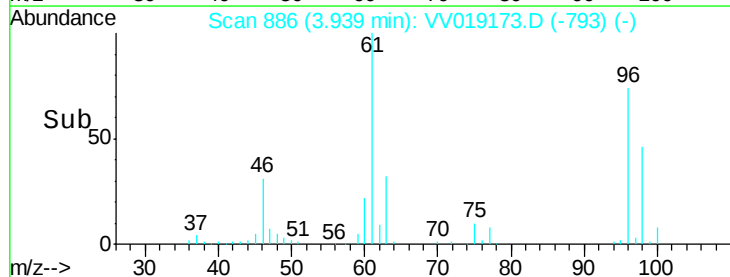
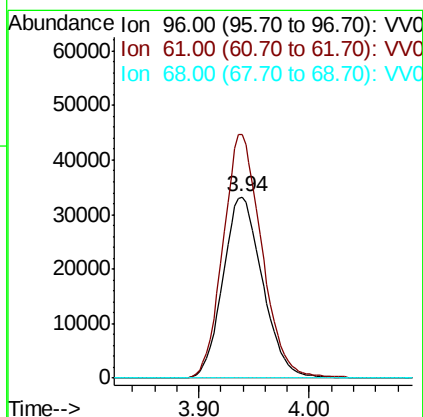
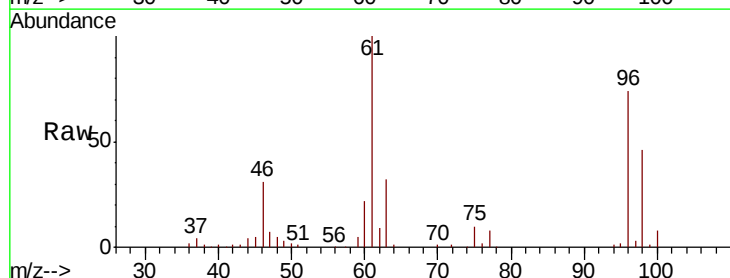
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

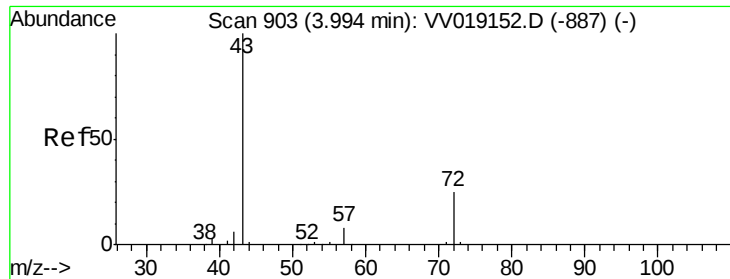
Tot Ion: 63 Resp: 144982
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.0 40.8
 83 13.9 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.598 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Tgt Ion: 96 Resp: 82460
 Ion Ratio Lower Upper
 96 100
 61 134.6 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.630 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

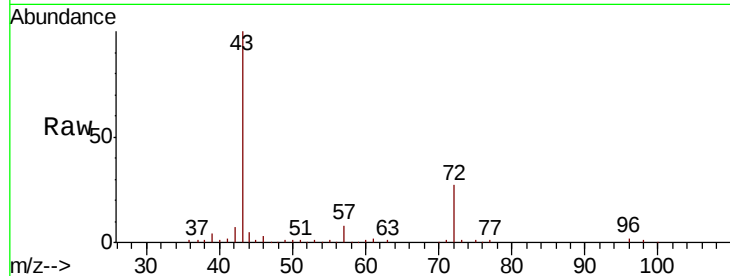
VSTD05080

Tot Ion: 43 Resp: 107927

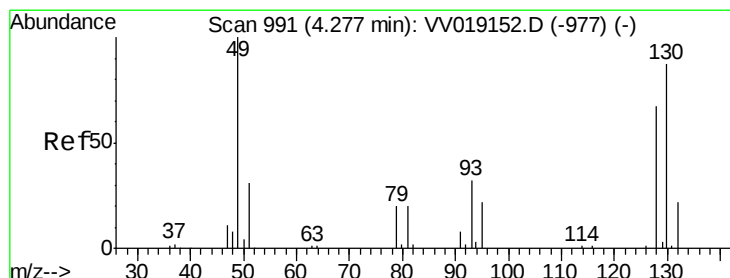
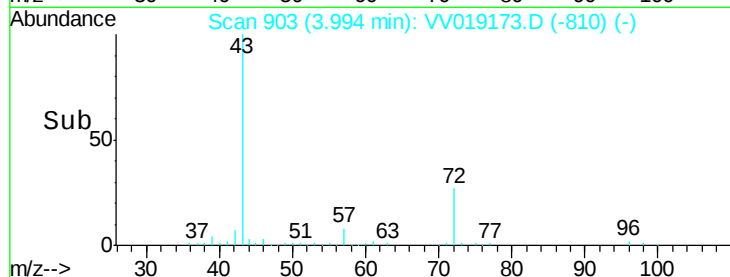
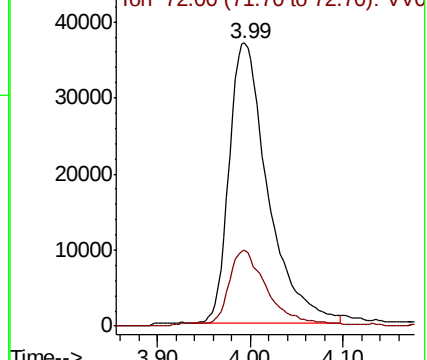
Ion Ratio Lower Upper

43 100

72 24.7 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019173.D (-810) (-)



#23

Bromochloromethane

Concen: 51.168 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Tgt Ion:128 Resp: 45650

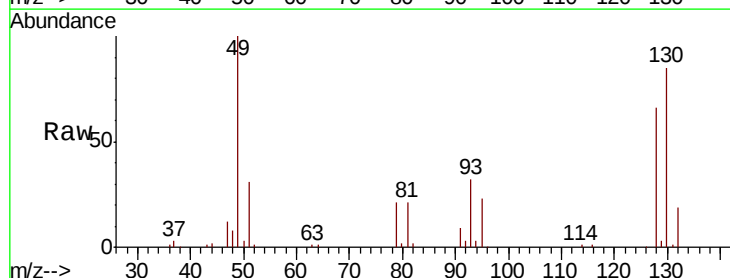
Ion Ratio Lower Upper

128 100

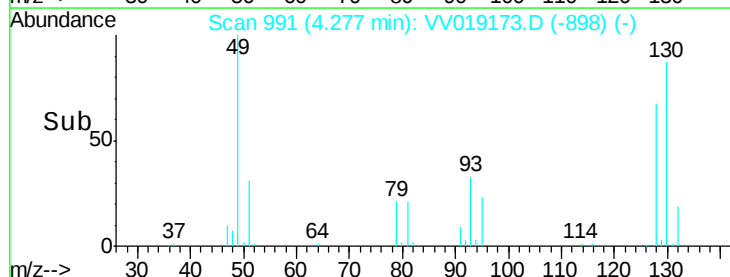
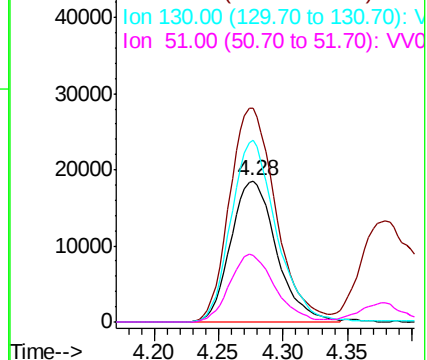
49 151.0 108.5 201.5

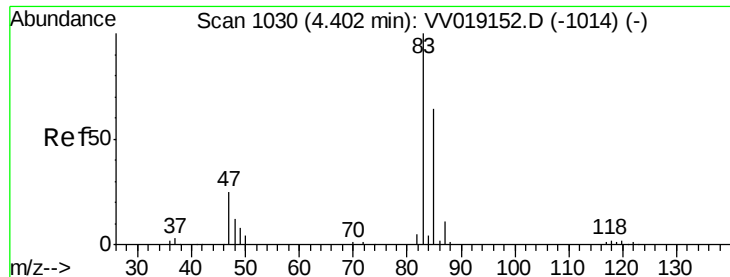
130 129.1 90.4 167.8

51 47.3 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV019173.D (-898) (-)

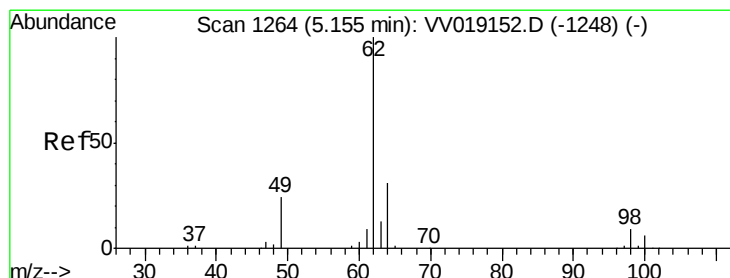
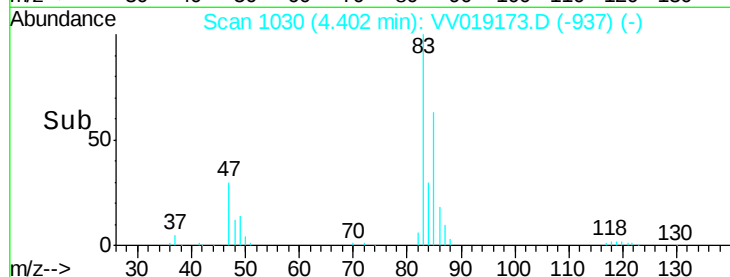
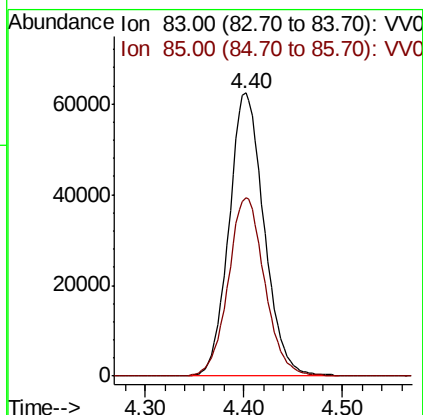
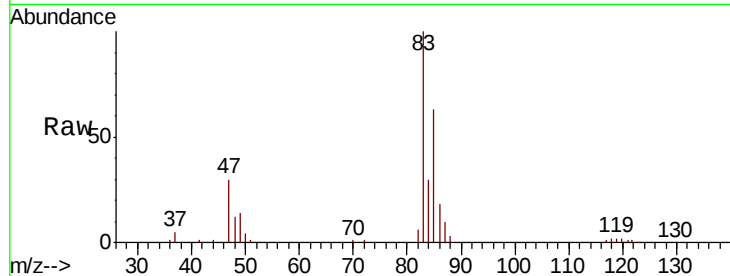




#25
Chloroform
Concen: 50.714 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

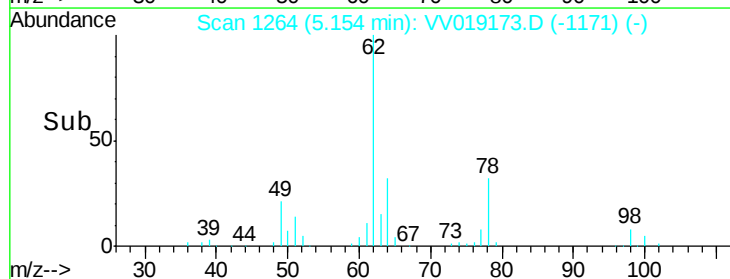
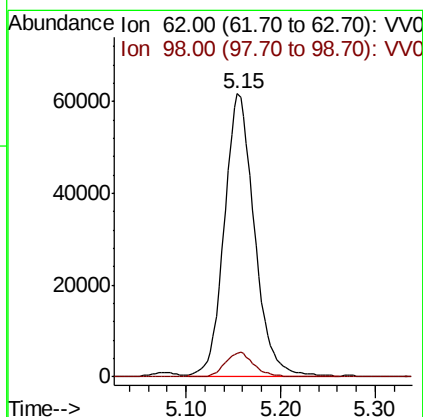
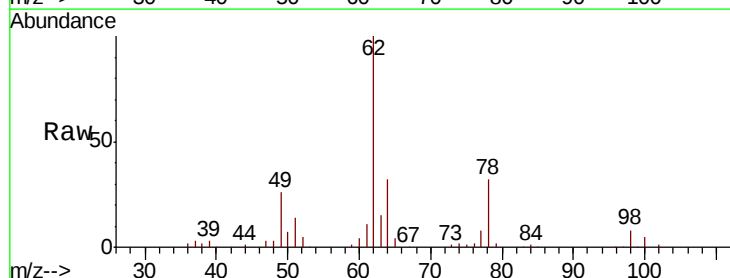
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

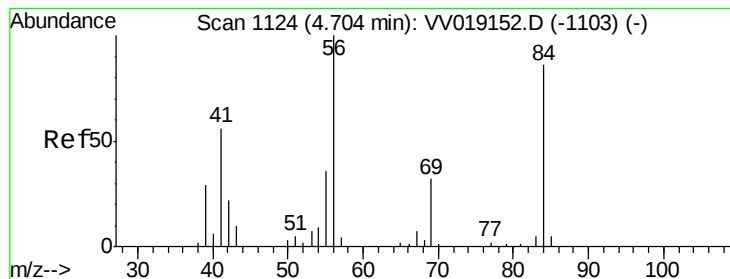
Tot Ion: 83 Resp: 154670
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.259 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Tgt Ion: 62 Resp: 135689
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 40.611 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

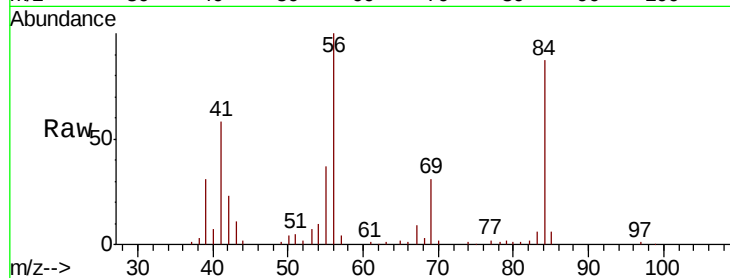
Tot Ion: 56 Resp: 95359

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.4

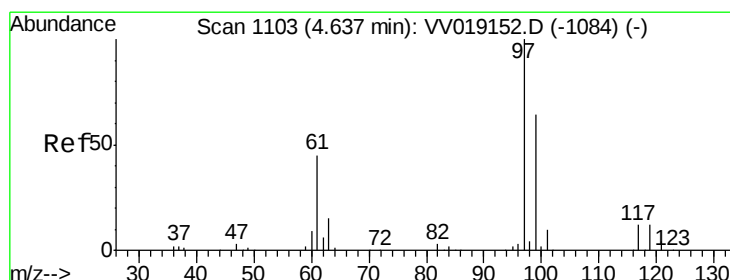
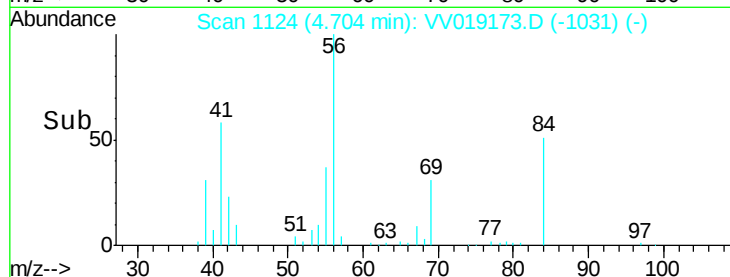
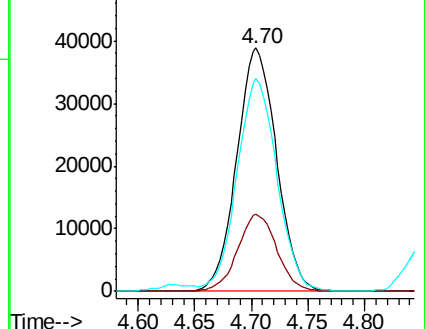
84 87.7 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 48.885 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

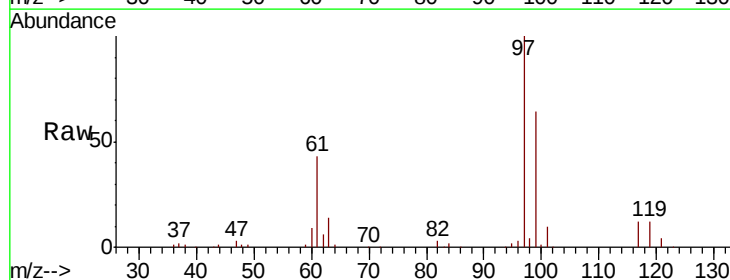
Tgt Ion: 97 Resp: 139336

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

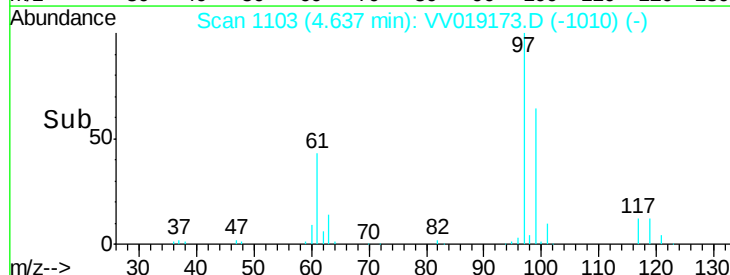
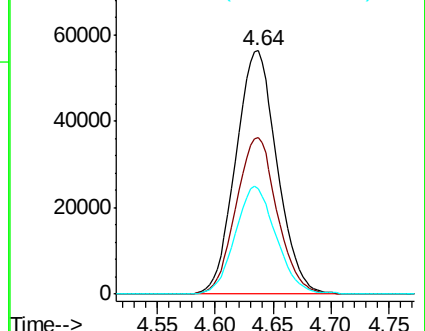
61 43.9 34.6 52.0

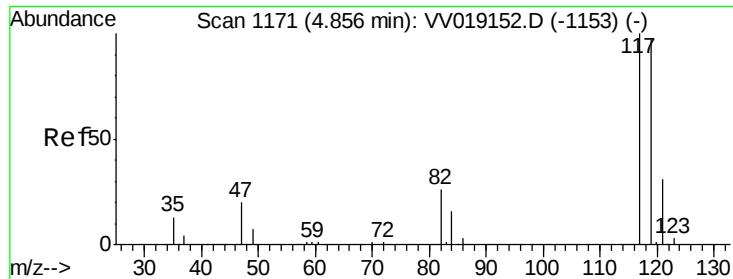


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 46.096 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

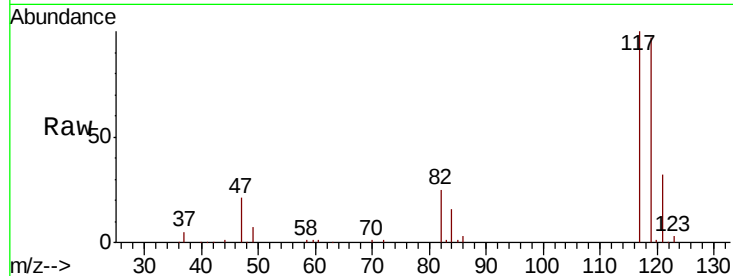
VSTD05080

Tot Ion:117 Resp: 116506

Ion Ratio Lower Upper

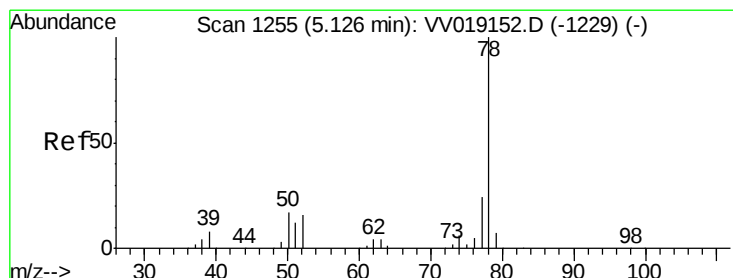
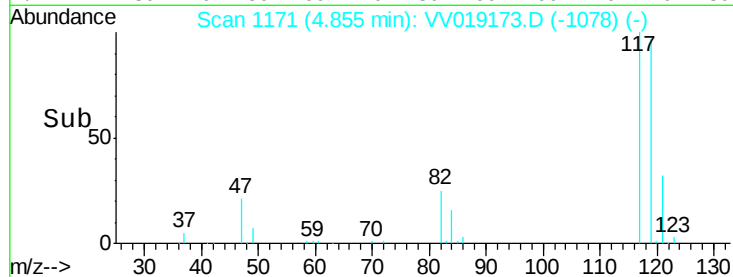
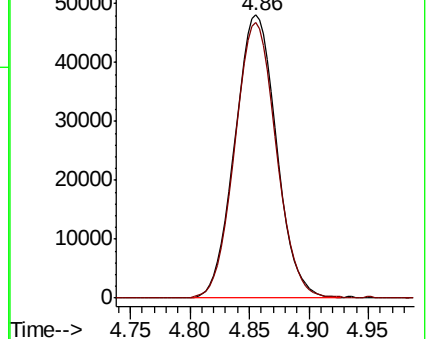
117 100

119 96.9 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.985 ug/L

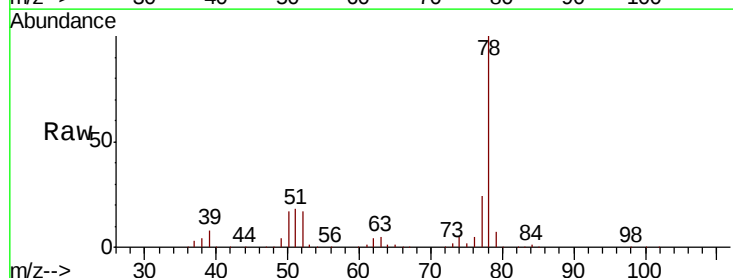
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

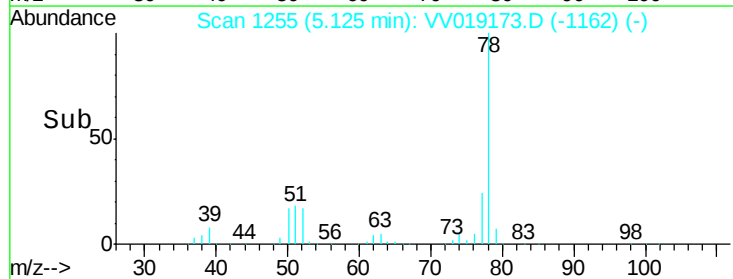
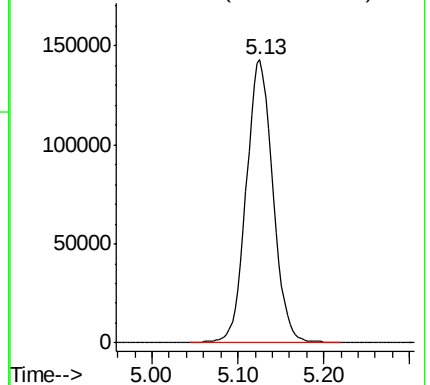
Lab File: VV019173.D

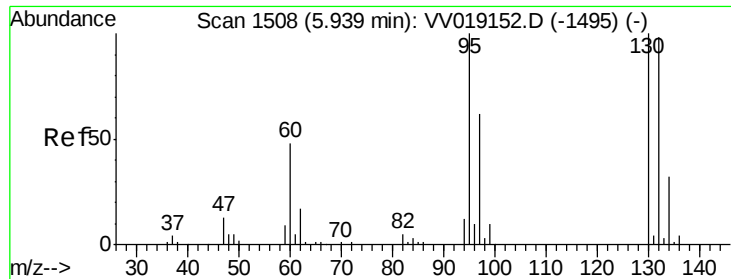
Acq: 30 Oct 2020 03:08

Tgt Ion: 78 Resp: 309191



Abundance Ion 78.00 (77.70 to 78.70): VV0

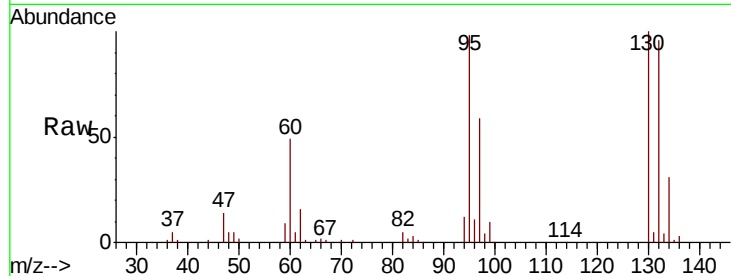




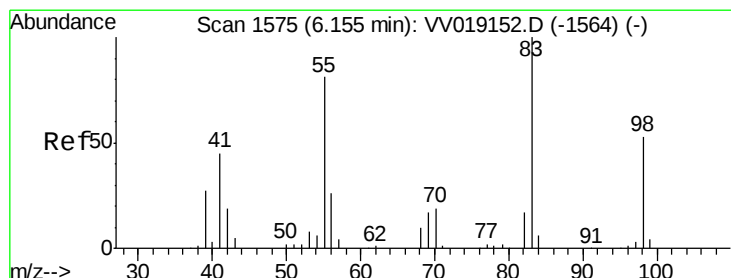
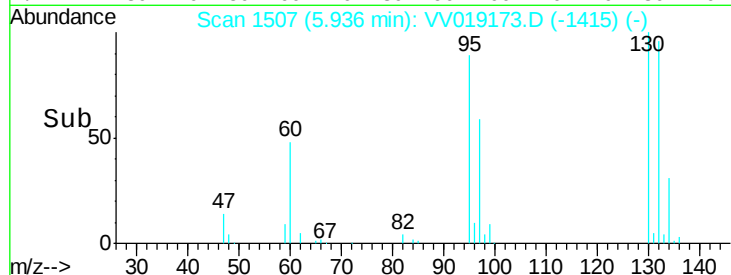
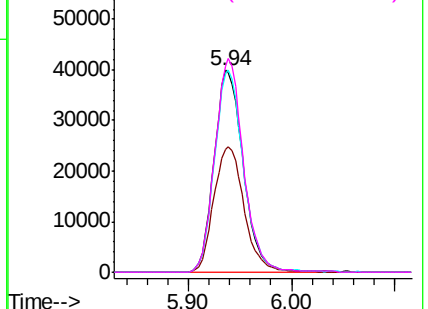
#34
 Trichloroethene
 Concen: 47.273 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion: 95 Resp: 78536
 Ion Ratio Lower Upper
 95 100
 97 60.7 43.4 80.6
 132 98.4 69.7 129.4
 130 102.4 72.4 134.5

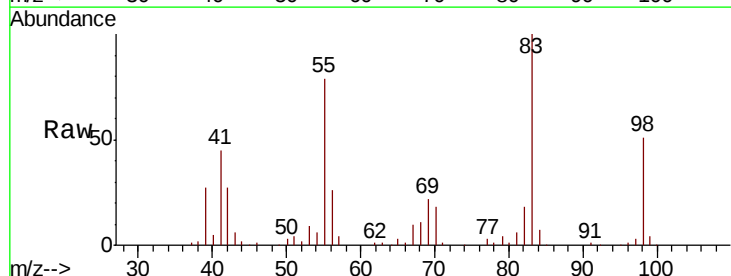


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

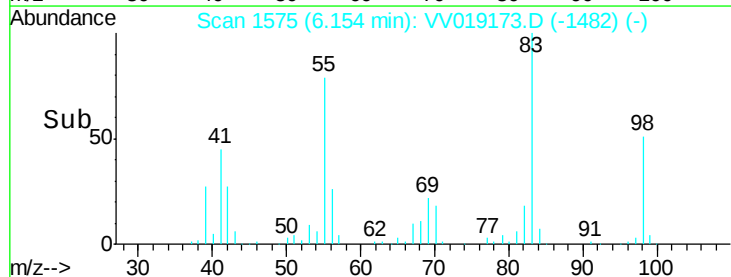
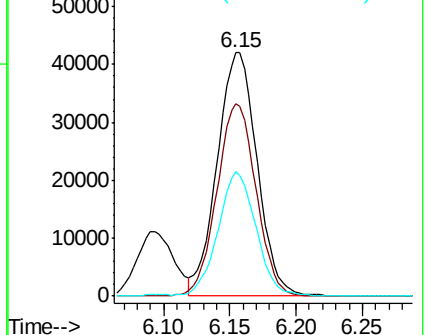


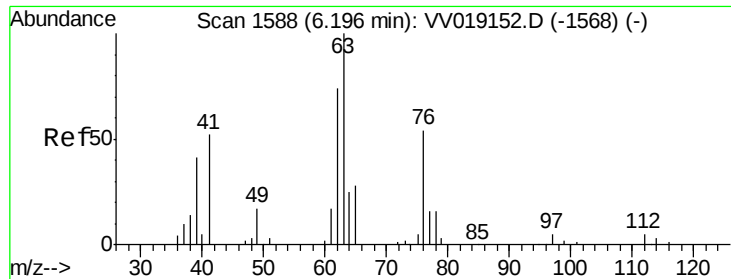
#35
 Methylcyclohexane
 Concen: 39.212 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Tgt Ion: 83 Resp: 87945
 Ion Ratio Lower Upper
 83 100
 55 77.4 62.2 93.4
 98 48.6 39.4 59.2



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

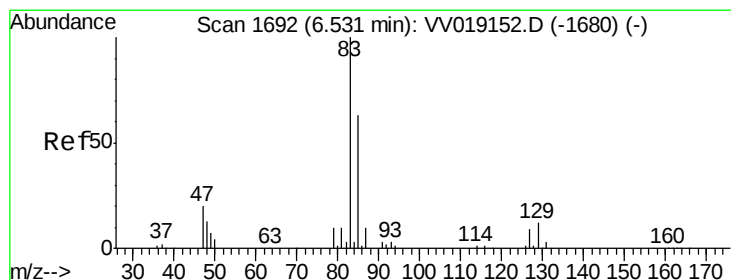
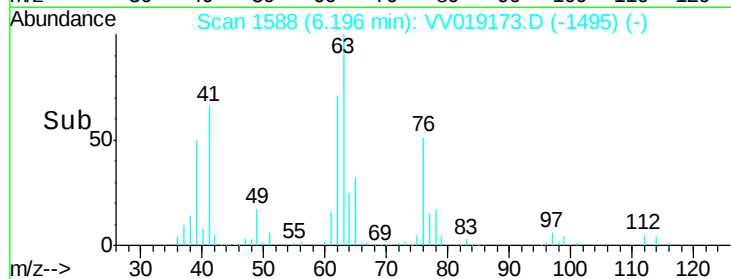
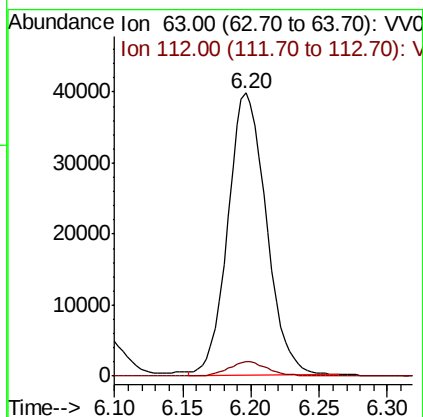
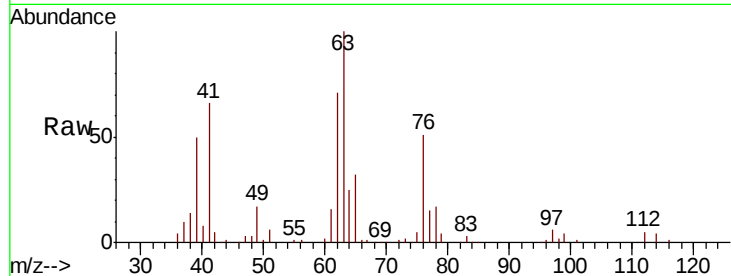




#37
 1,2-Dichloropropane
 Concen: 51.598 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

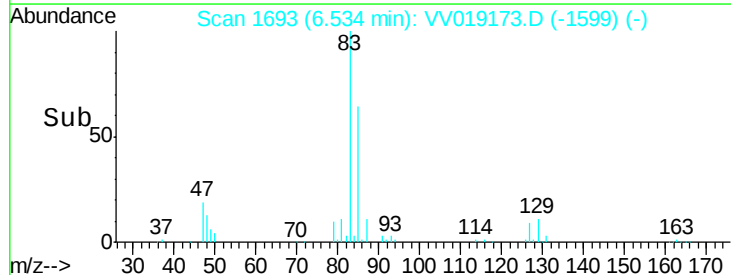
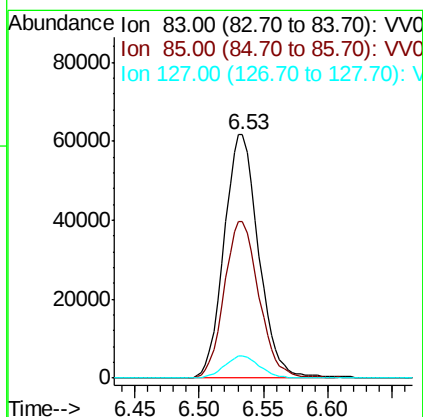
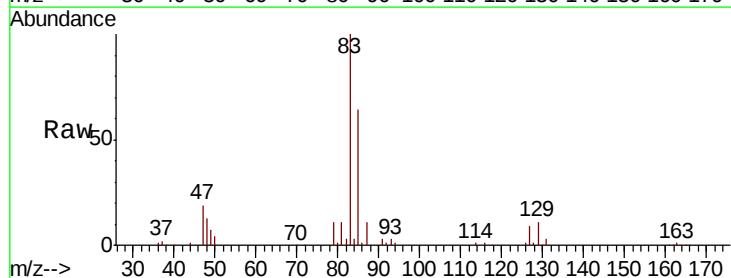
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

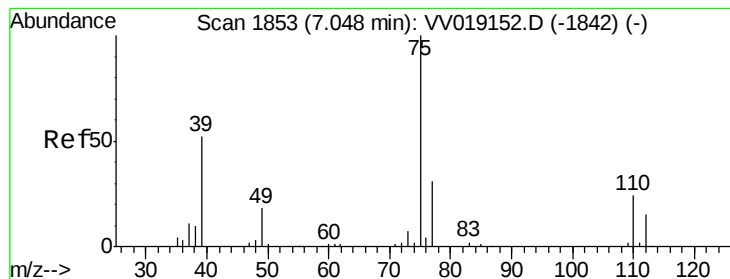
Tot Ion: 63 Resp: 77709
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 51.188 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Tgt Ion: 83 Resp: 114680
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.9 85.3
 127 9.1 6.9 10.3



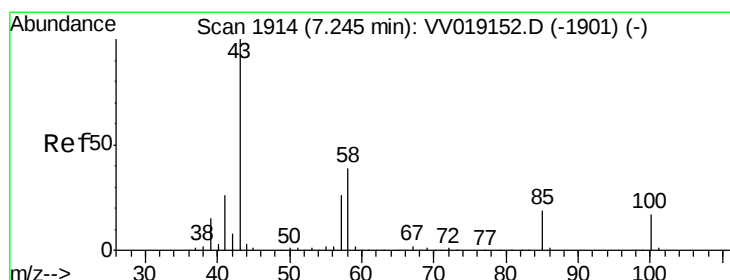
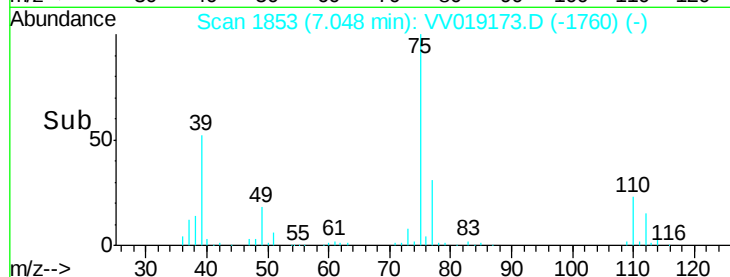
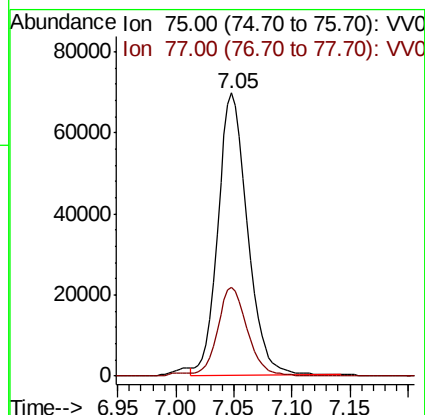
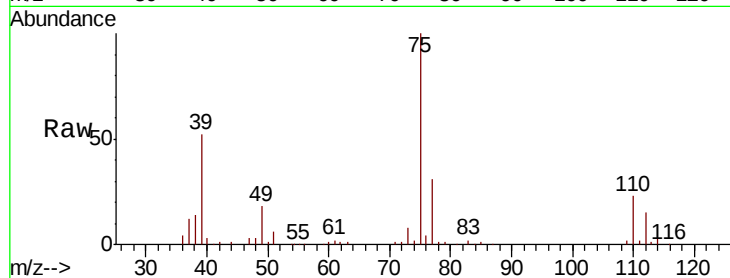


#39

cis-1,3-Dichloropropene
Concen: 49.766 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

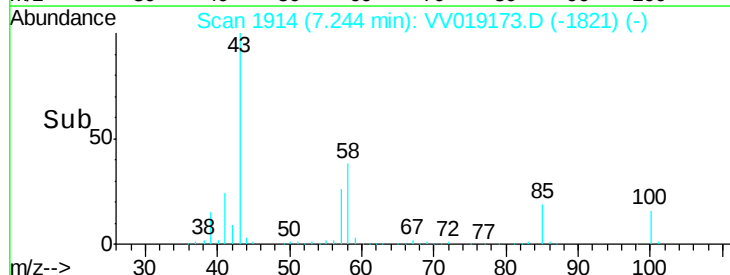
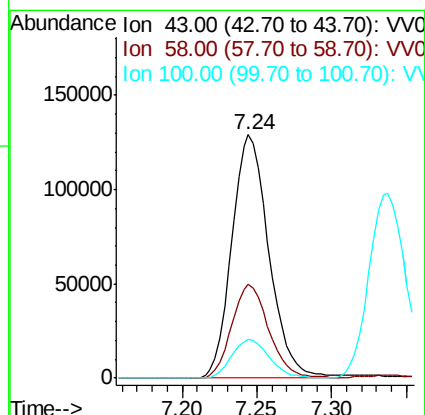
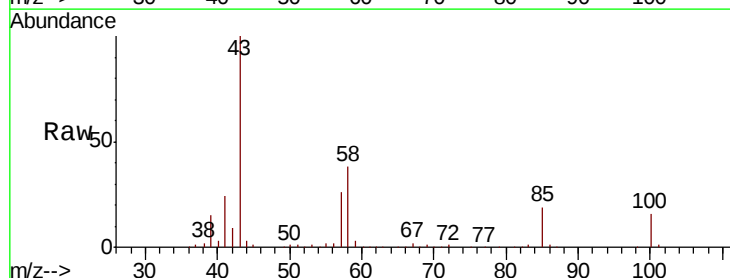
Tot Ion: 75 Resp: 123798
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.1

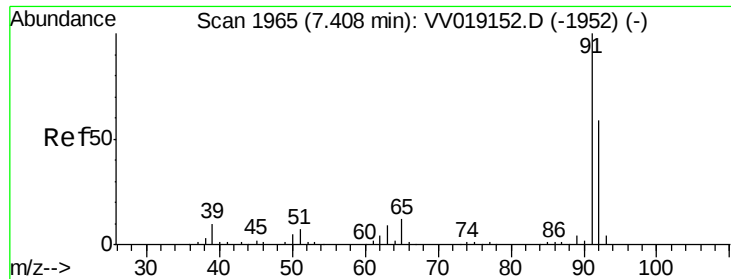


#40

4-Methyl-2-pentanone
Concen: 107.425 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Tgt Ion: 43 Resp: 223185
Ion Ratio Lower Upper
43 100
58 38.3 31.0 46.4
100 16.0 13.2 19.8





#42

Toluene

Concen: 49.208 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

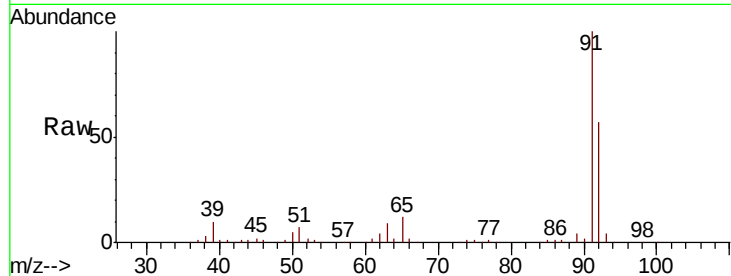
VSTD05080

Tot Ion: 91 Resp: 327142

Ion Ratio Lower Upper

91 100

92 56.9 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

200000

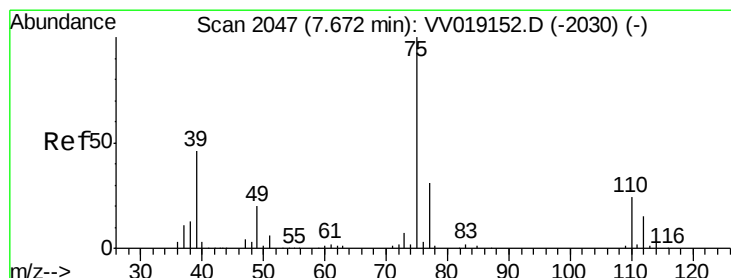
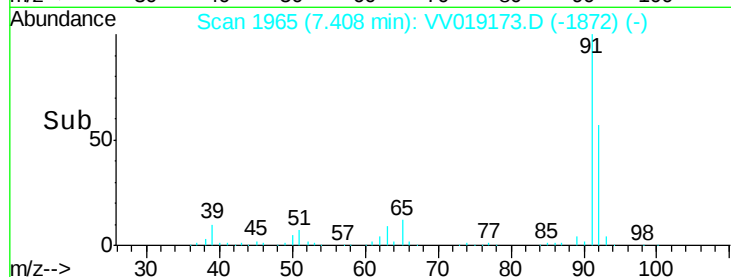
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.678 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019173.D

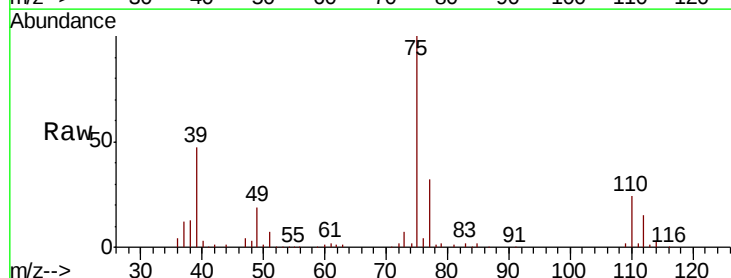
Acq: 30 Oct 2020 03:08

Tgt Ion: 75 Resp: 131142

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

80000

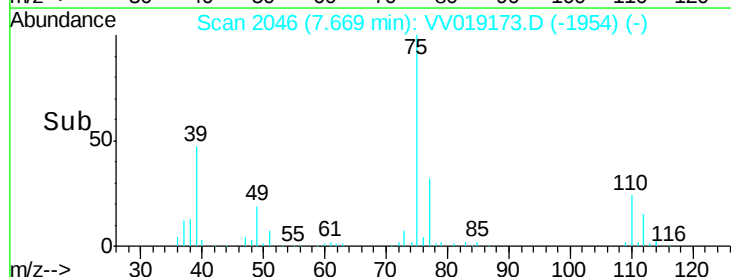
60000

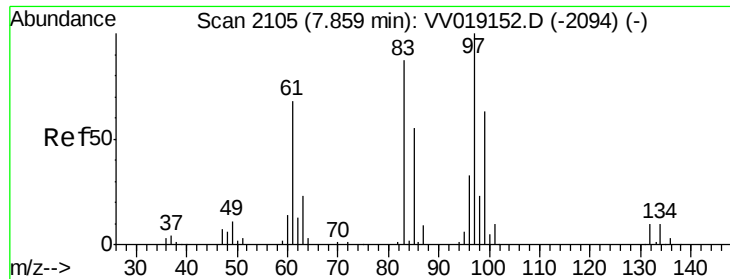
40000

20000

0

Time-->

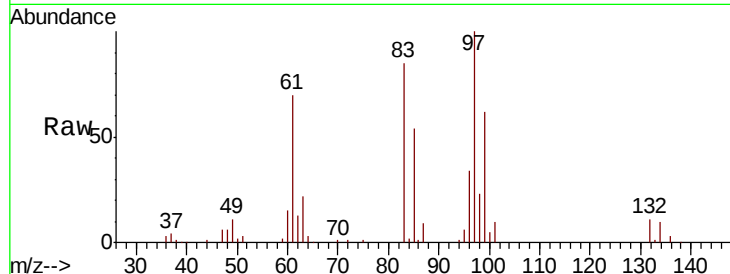




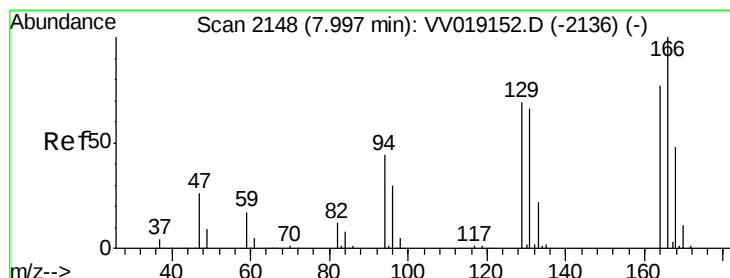
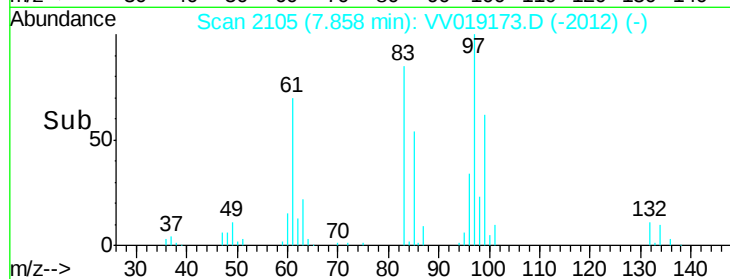
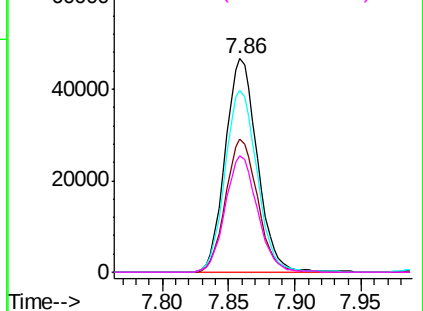
#45
 1,1,2-Trichloroethane
 Concen: 52.112 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion:	97	Resp:	78713
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.1	80.1
83	85.3	58.3	108.3
85	54.5	37.8	70.2

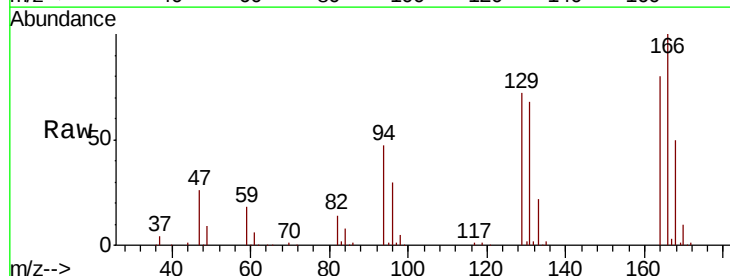


Abundance Ion 97.00 (96.70 to 97.70): VV019173.D (-2012) (-)

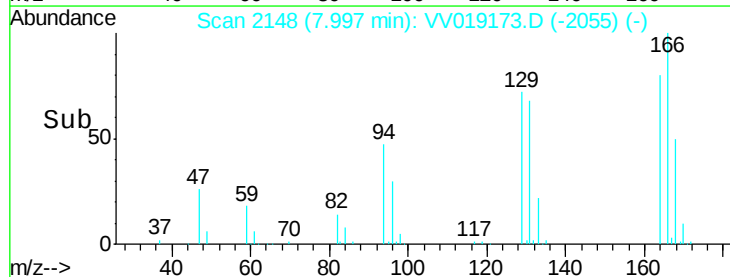
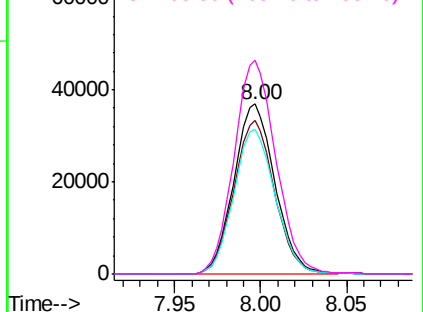


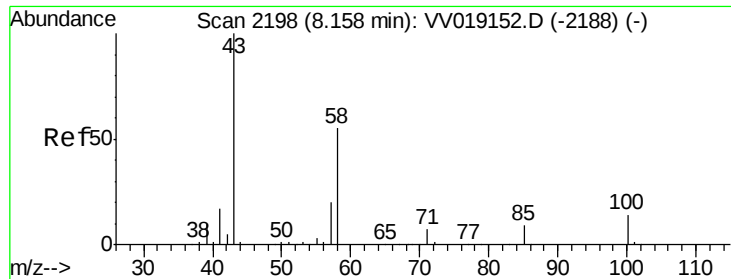
#46
 Tetrachloroethene
 Concen: 43.191 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Tgt Ion:	164	Resp:	61271
Ion	Ratio	Lower	Upper
164	100		
129	90.1	63.2	117.4
131	85.1	60.3	112.1
166	125.5	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019173.D (-2055) (-)

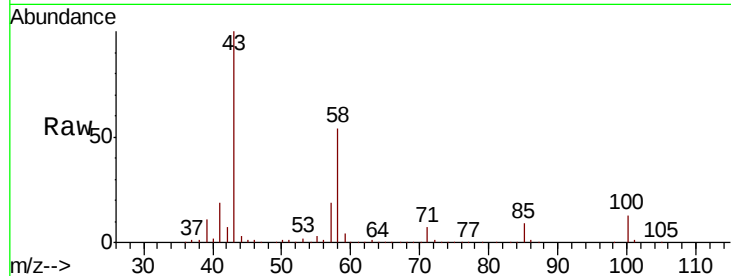




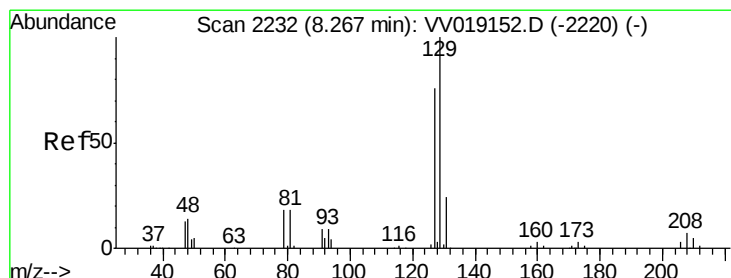
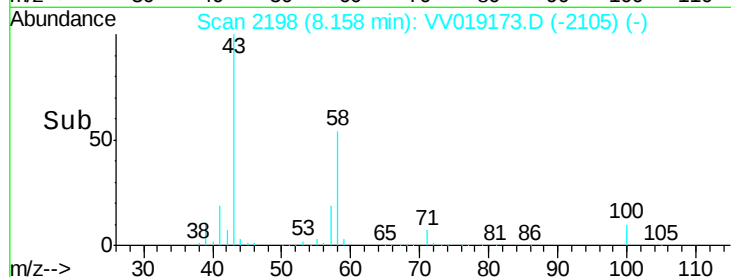
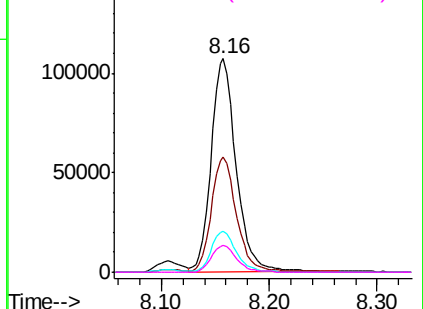
#48
2-Hexanone
Concen: 104.963 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 43 Resp: 173331
Ion Ratio Lower Upper
43 100
58 53.1 43.6 65.4
57 19.5 16.0 24.0
100 13.0 10.3 15.5

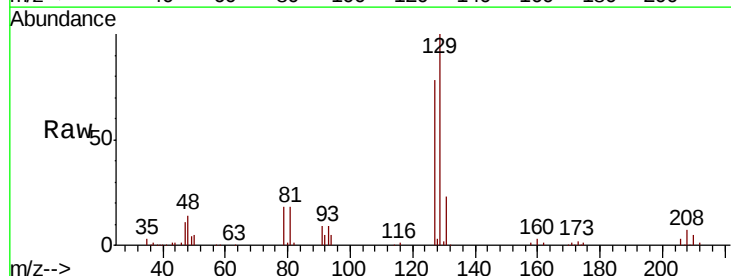


Abundance Ion 43.00 (42.70 to 43.70): VV019173.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV019173.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV019173.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV019173.D (-2105) (-)

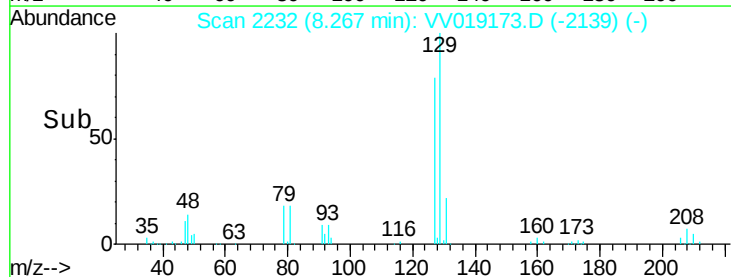
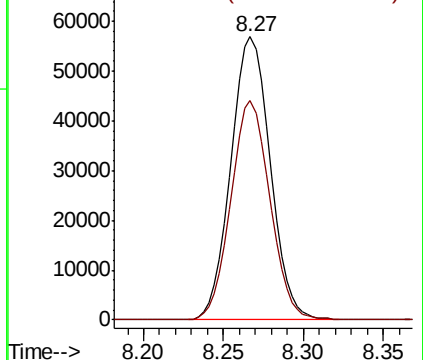


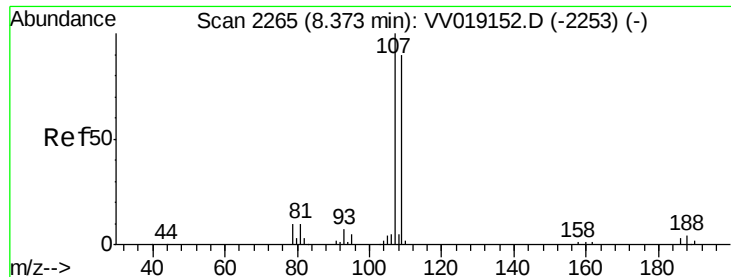
#49
Dibromochloromethane
Concen: 52.259 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Tgt Ion: 129 Resp: 95573
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019173.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV019173.D (-2139) (-)

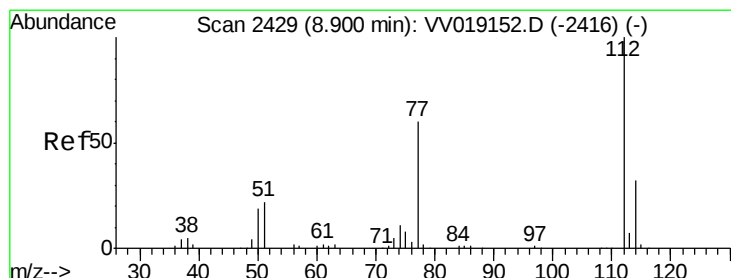
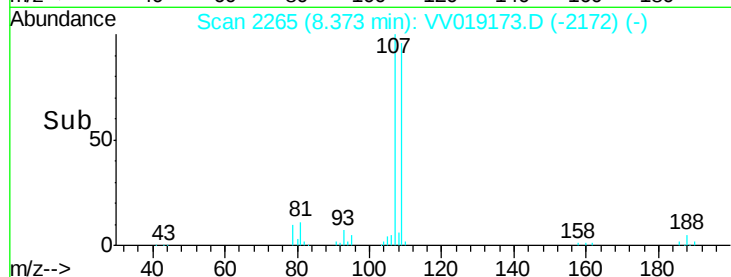
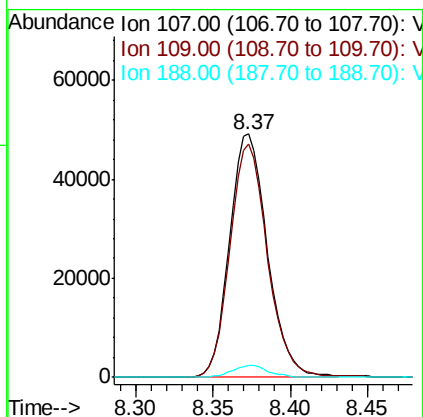
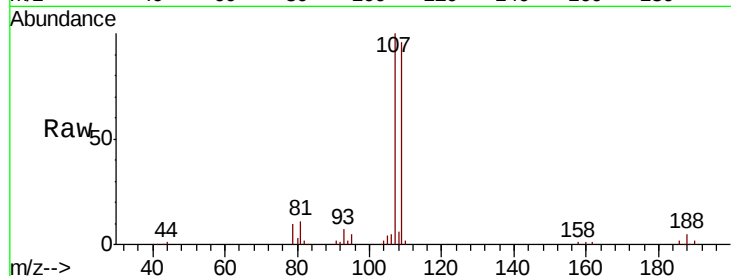




#50
1,2-Dibromoethane
Concen: 51.711 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

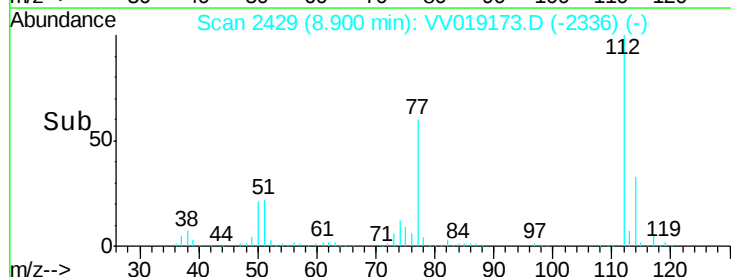
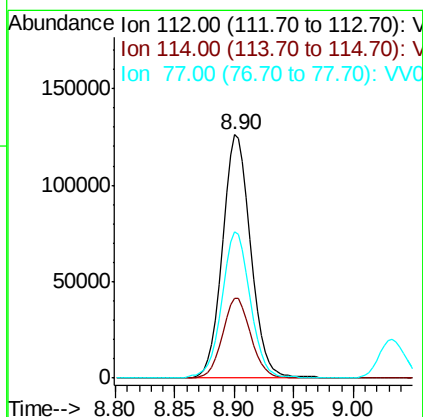
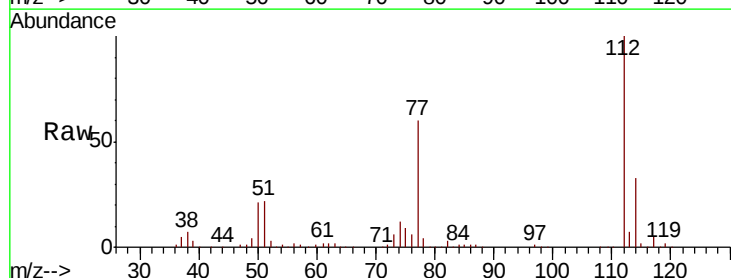
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

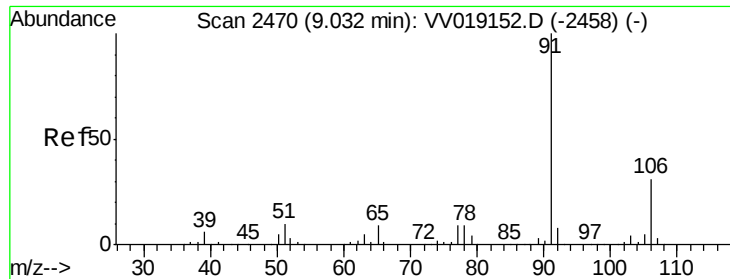
Tot Ion:107 Resp: 83334
Ion Ratio Lower Upper
107 100
109 95.8 65.7 121.9
188 4.9 3.4 5.2



#51
Chlorobenzene
Concen: 47.632 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019173.D
Acq: 30 Oct 2020 03:08

Tgt Ion:112 Resp: 207613
Ion Ratio Lower Upper
112 100
114 32.9 22.3 41.5
77 60.3 46.7 70.1





#52

Ethylbenzene

Concen: 46.209 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

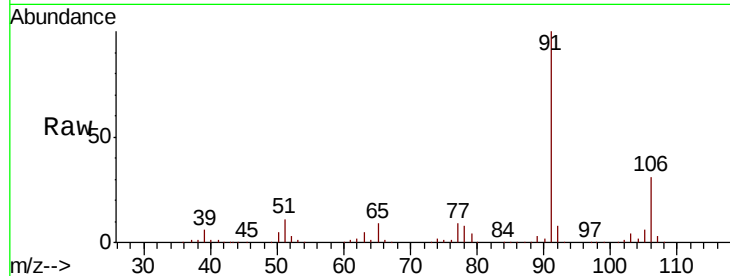
VSTD05080

Tot Ion: 91 Resp: 338510

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019173.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019173.D (-2377) (-)

250000

200000

150000

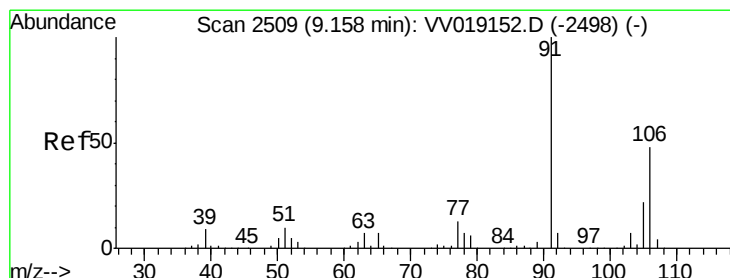
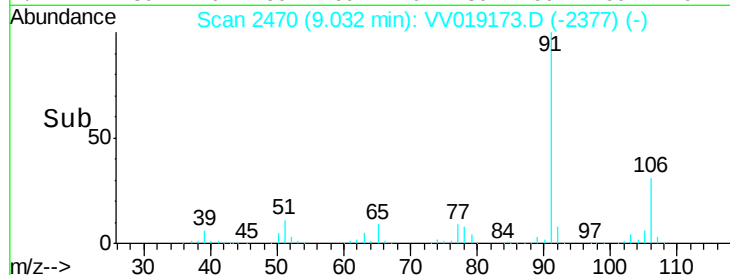
100000

50000

0

8.95 9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 47.438 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019173.D

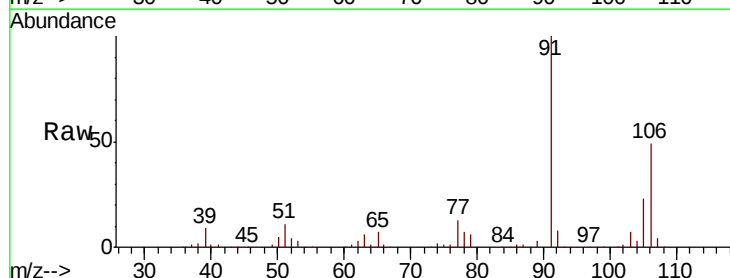
Acq: 30 Oct 2020 03:08

Tgt Ion: 106 Resp: 131256

Ion Ratio Lower Upper

106 100

91 204.7 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019173.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019173.D (-2416) (-)

200000

150000

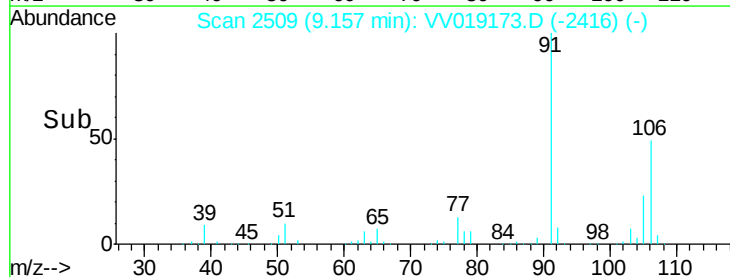
100000

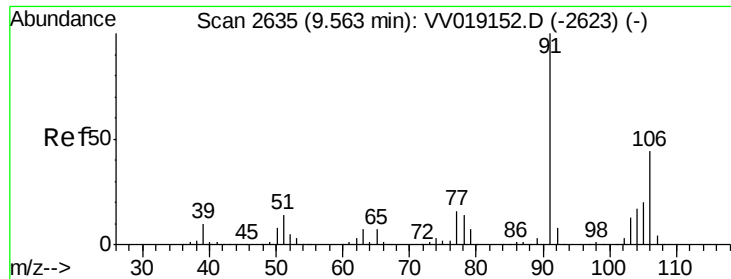
50000

0

9.10 9.15 9.20

Time-->





#54

o-xylene

Concen: 48.579 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

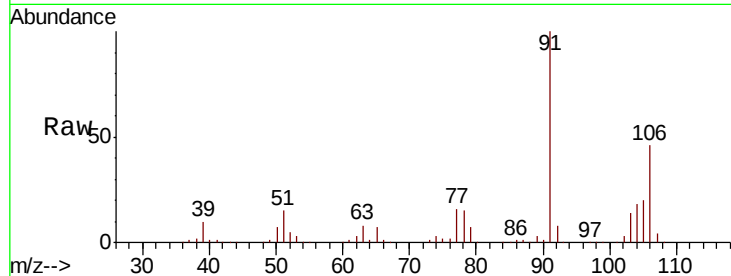
VSTD05080

Tot Ion:106 Resp: 129051

Ion Ratio Lower Upper

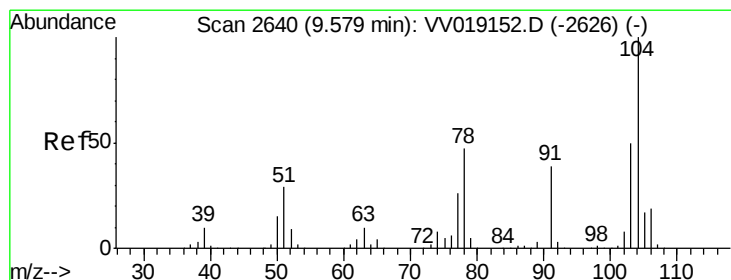
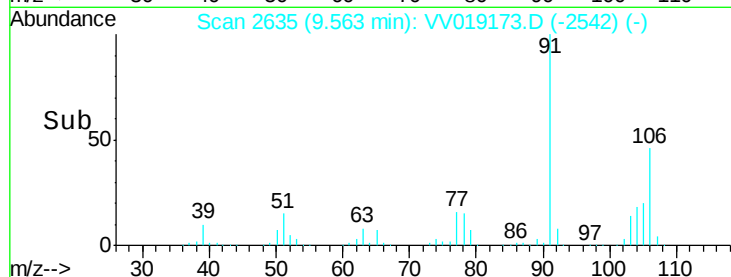
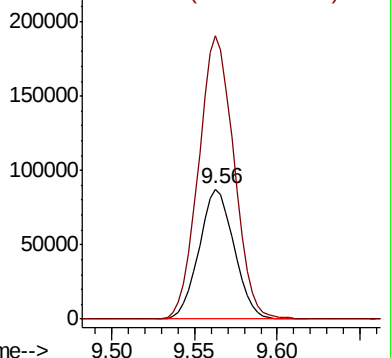
106 100

91 217.2 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.093 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV019173.D

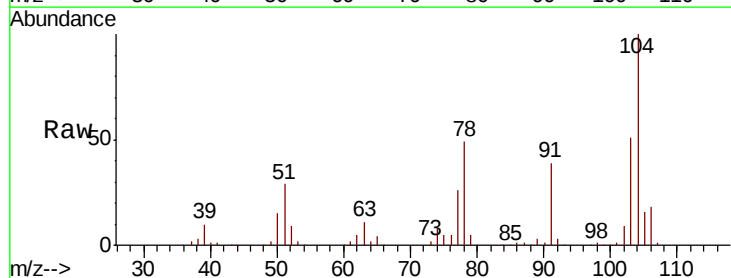
Acq: 30 Oct 2020 03:08

Tgt Ion:104 Resp: 231149

Ion Ratio Lower Upper

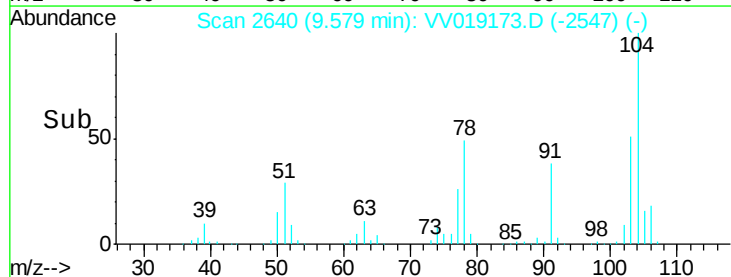
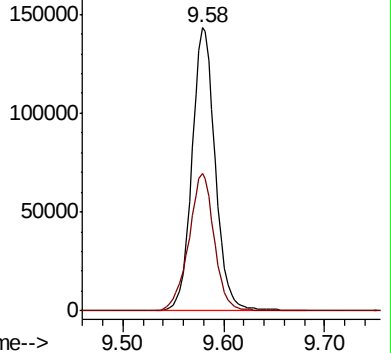
104 100

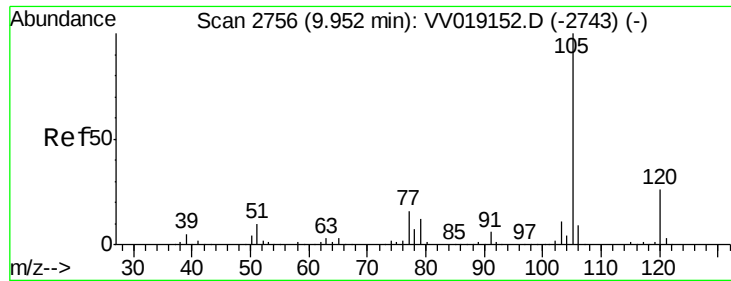
78 48.7 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 44.778 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05080

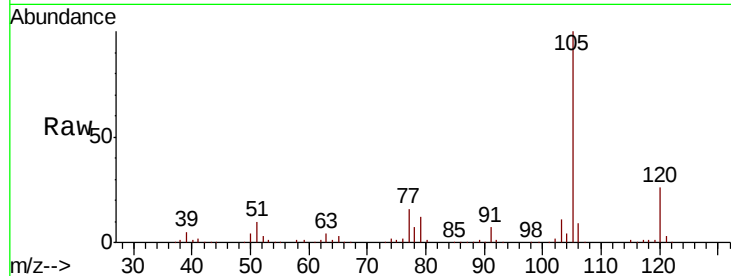
Tot Ion:105 Resp: 319676

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

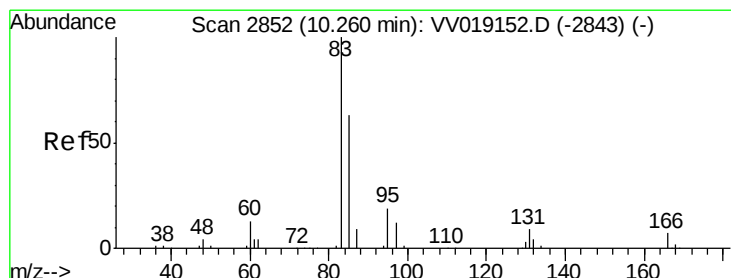
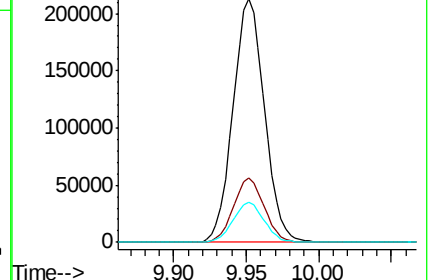
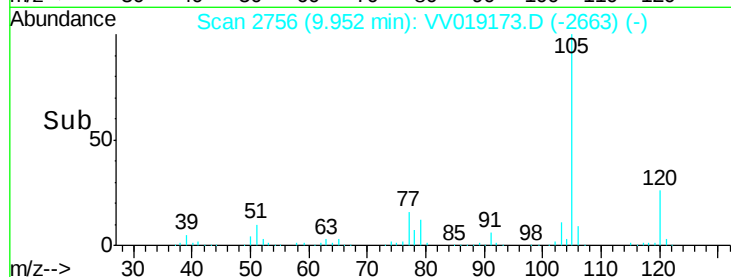
77 16.3 13.0 19.4



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: 52.365 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

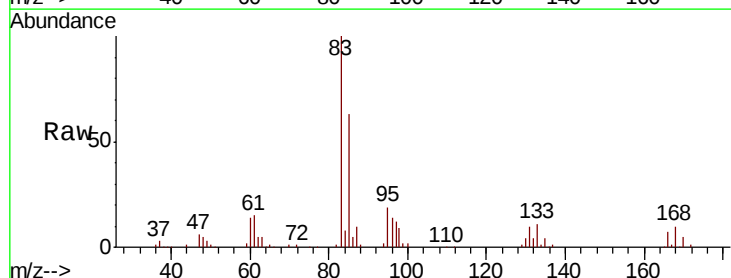
Tgt Ion: 83 Resp: 120437

Ion Ratio Lower Upper

83 100

85 62.9 45.8 85.0

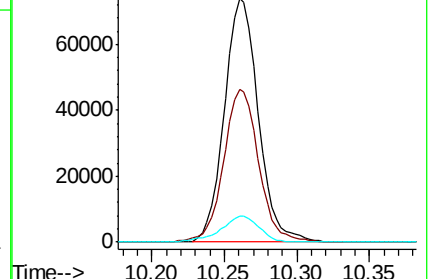
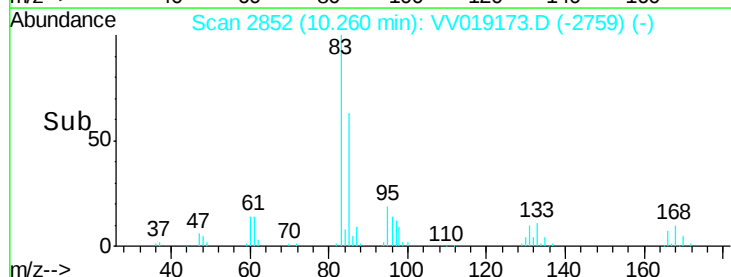
131 10.5 8.9 13.3

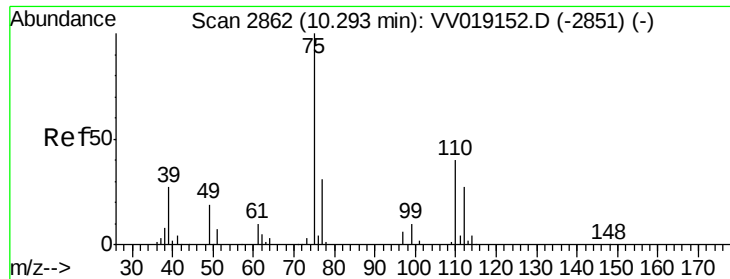


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.231 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

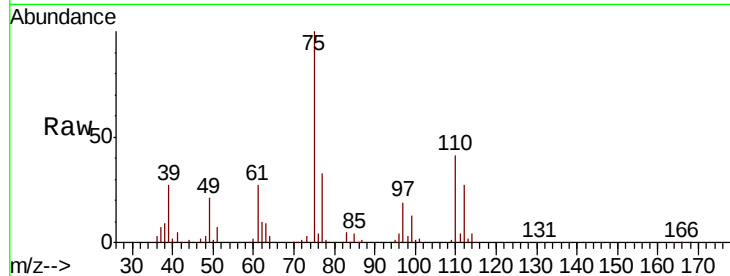
VSTD05080

Tot Ion: 75 Resp: 102832

Ion Ratio Lower Upper

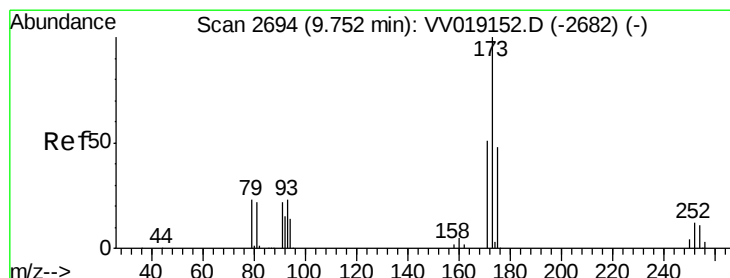
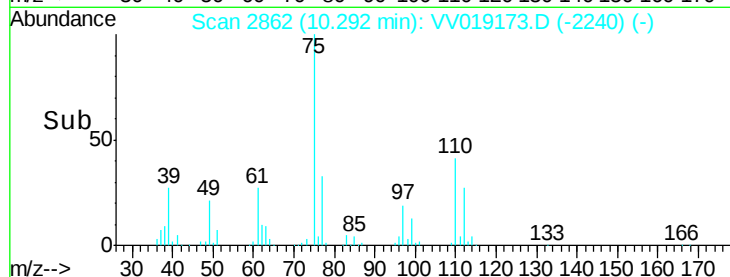
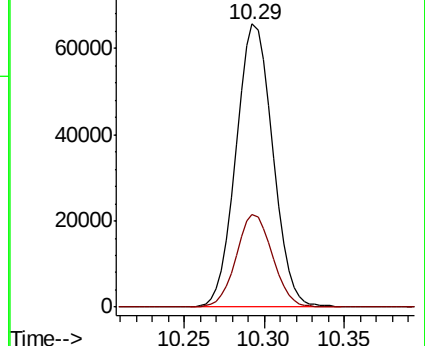
75 100

77 32.3 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV019152.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV019152.D (-2851) (-)



#61

Bromoform

Concen: 52.586 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

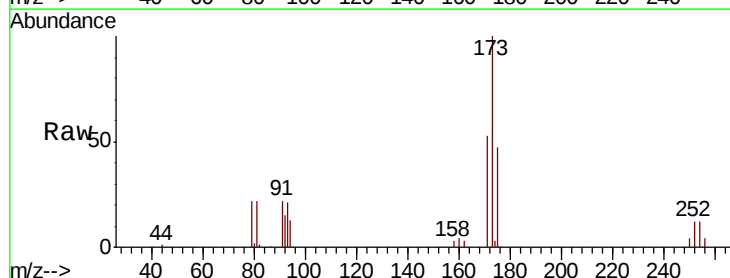
Tgt Ion: 173 Resp: 73456

Ion Ratio Lower Upper

173 100

175 47.2 39.8 59.6

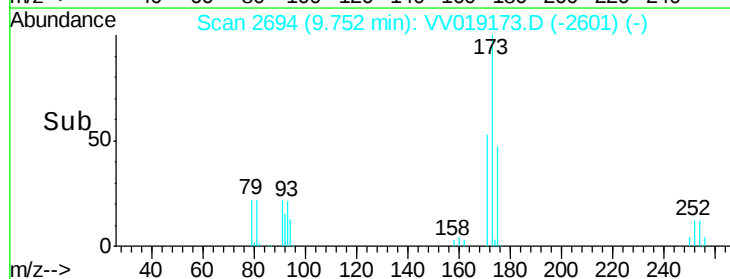
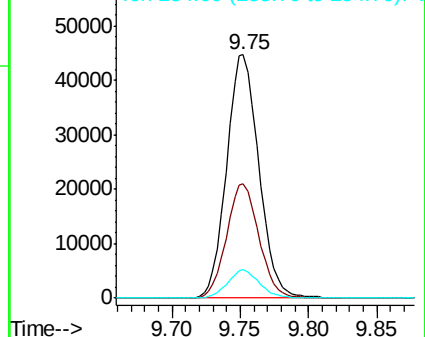
254 11.4 9.7 14.5

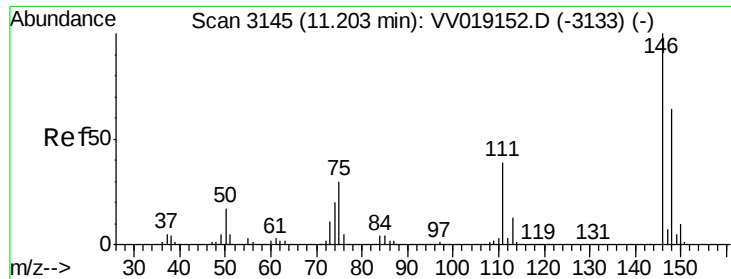


Abundance Ion 173.00 (172.70 to 173.70): VV019152.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019152.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019152.D (-2682) (-)

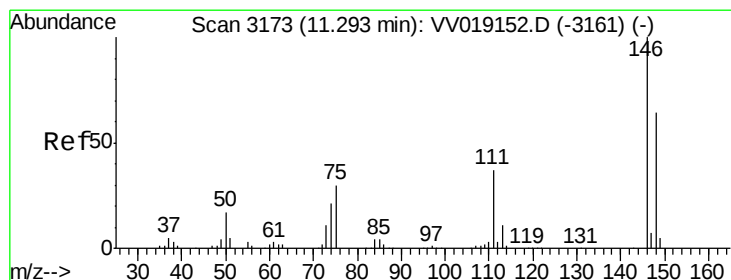
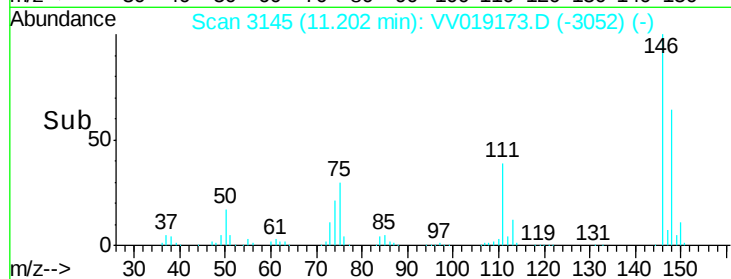
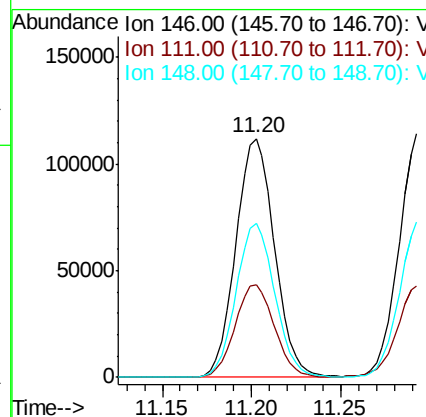
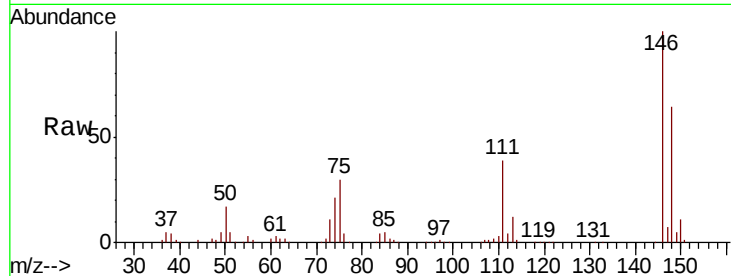




#62
 1,3-Dichlorobenzene
 Concen: 47.414 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

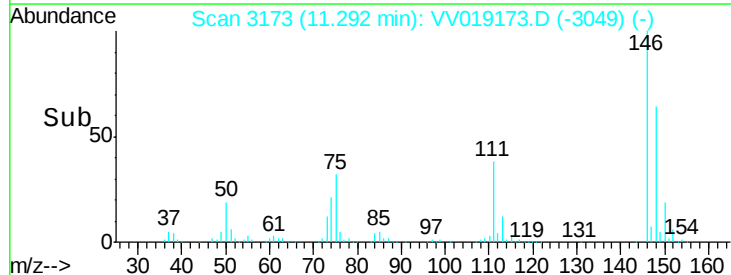
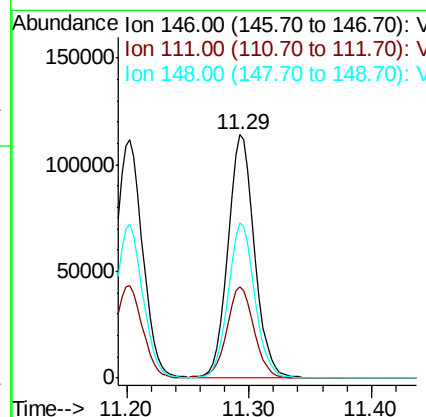
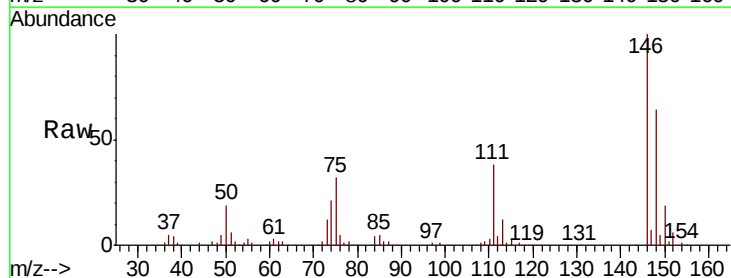
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05080

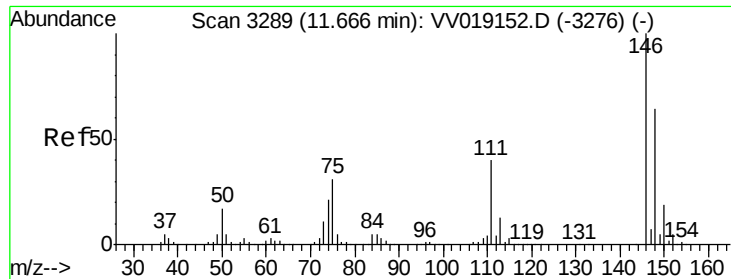
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.1	50.3
148	64.4	44.7	83.1



#63
 1,4-Dichlorobenzene
 Concen: 47.130 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	25.8	48.0
148	63.6	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 49.358 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05080

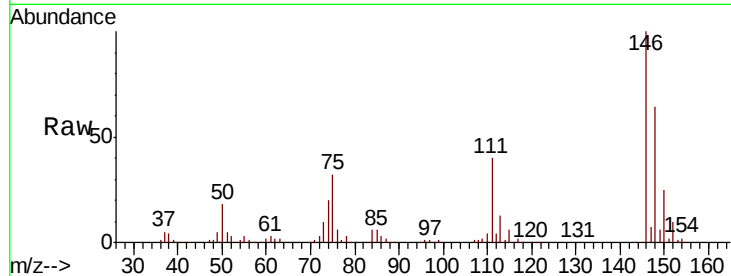
Tot Ion:146 Resp: 174649

Ion Ratio Lower Upper

146 100

111 40.2 32.2 48.4

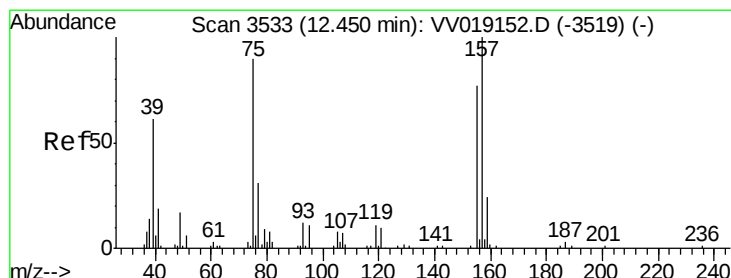
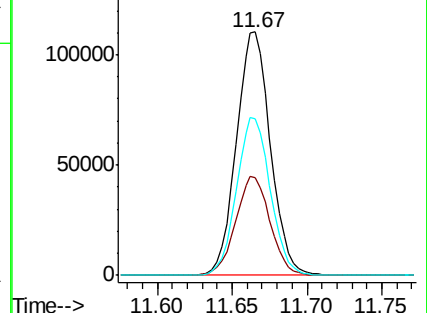
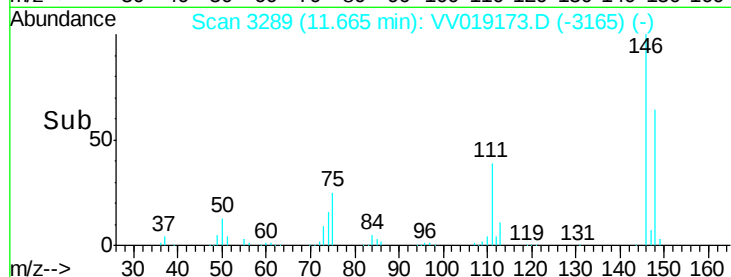
148 64.5 50.8 76.2



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: 51.357 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

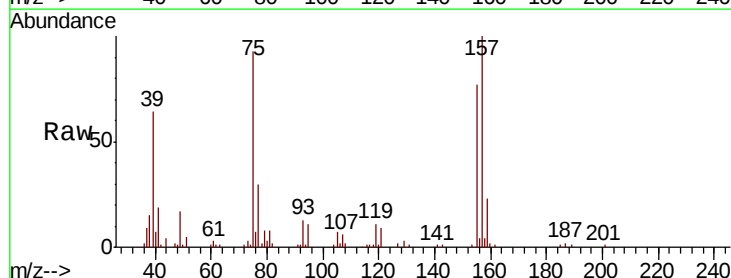
Tgt Ion: 75 Resp: 31094

Ion Ratio Lower Upper

75 100

155 83.5 71.1 106.7

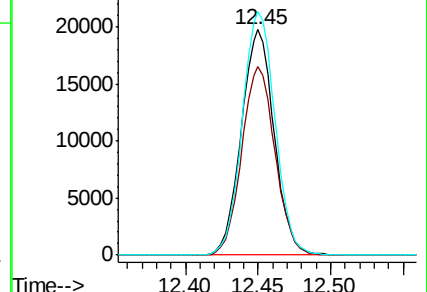
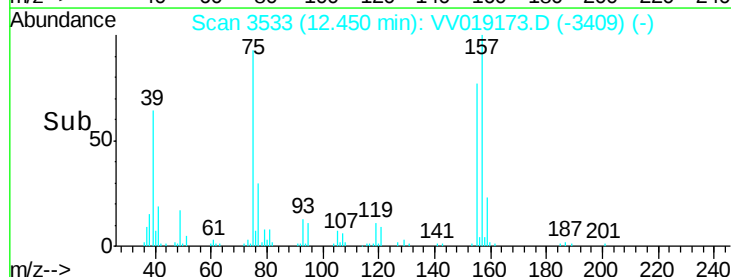
157 108.0 90.5 135.7

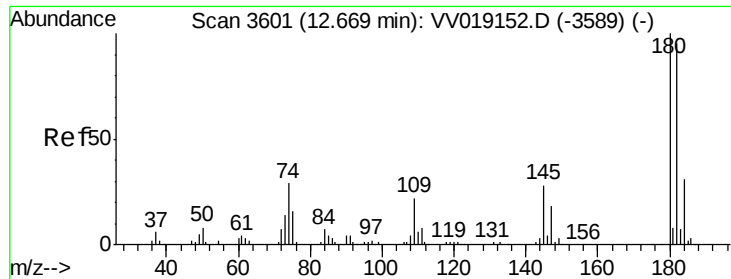


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

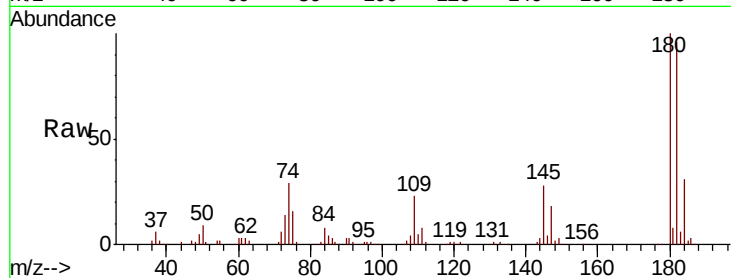




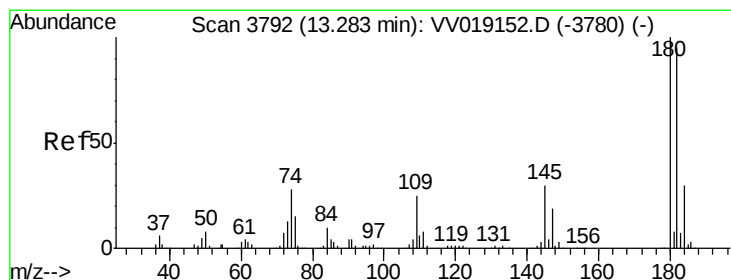
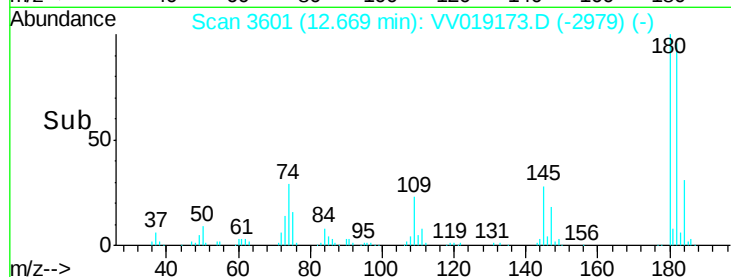
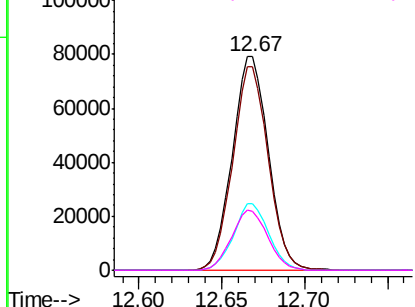
#67
 1,3,5-Trichlorobenzene
 Concen: 45.542 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tot Ion:180 Resp: 119749
 Ion Ratio Lower Upper
 180 100
 182 94.1 76.1 114.1
 184 30.2 24.5 36.7
 145 28.1 22.7 34.1

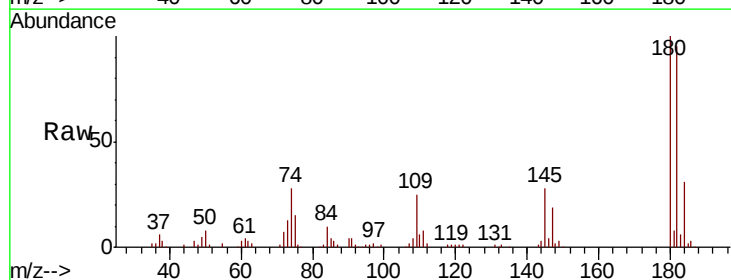


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

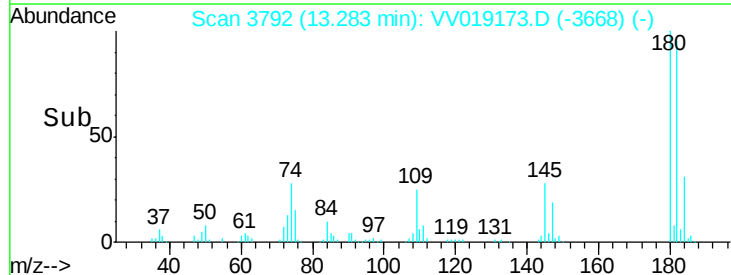
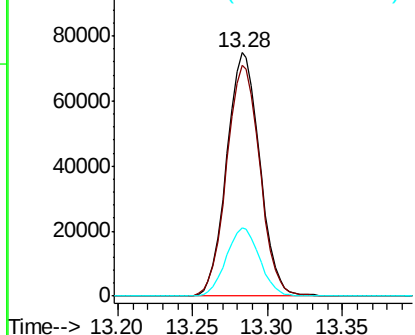


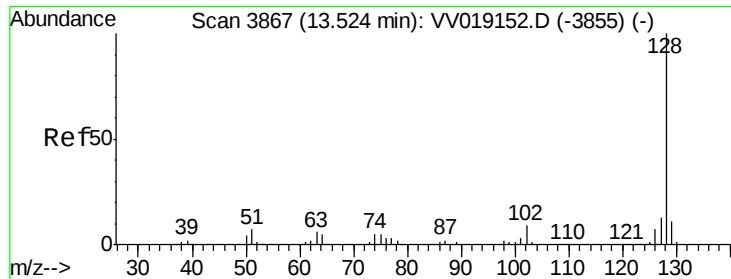
#68
 1,2,4-trichlorobenzene
 Concen: 46.828 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019173.D
 Acq: 30 Oct 2020 03:08

Tgt Ion:180 Resp: 115363
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.8 113.6
 145 28.3 22.6 34.0



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





#69

Naphthalene

Concen: 53.408 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

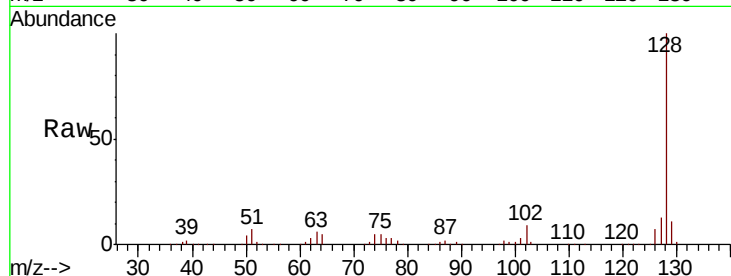
Tot Ion:128 Resp: 368527

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.9 8.6 13.0

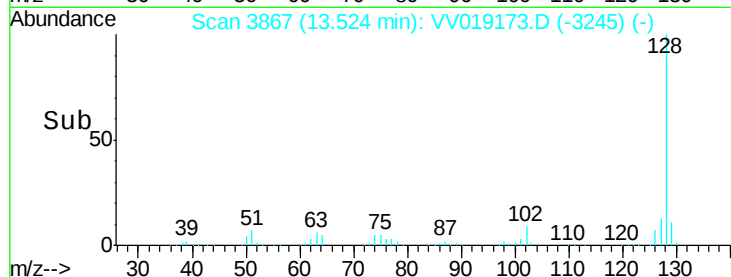


Abundance Ion 128.00 (127.70 to 128.70): V

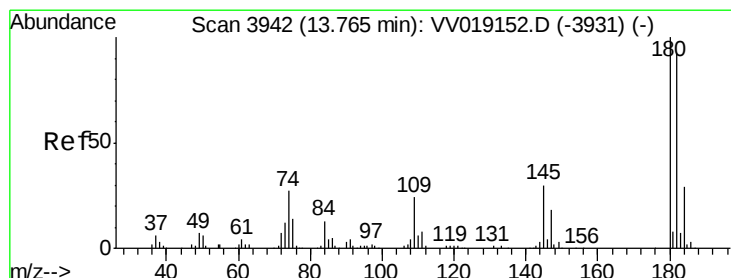
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 50.738 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019173.D

Acq: 30 Oct 2020 03:08

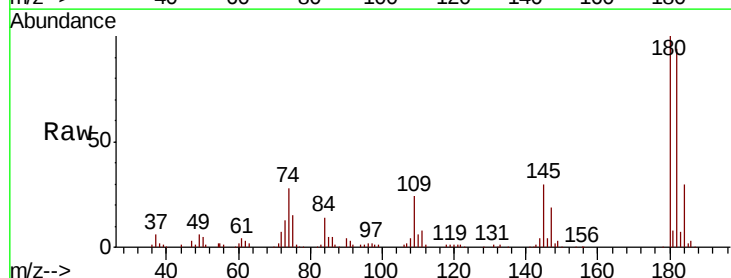
Tgt Ion:180 Resp: 122320

Ion Ratio Lower Upper

180 100

182 94.1 76.2 114.4

145 30.6 25.1 37.7

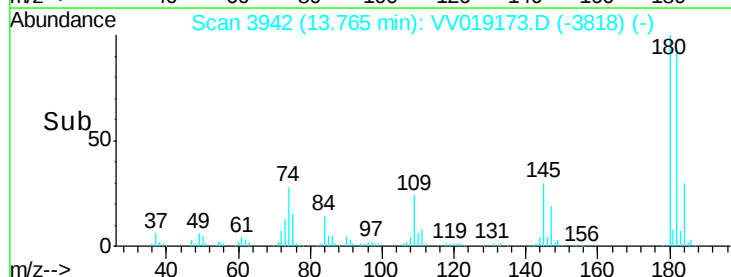


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

Time-->



Time-->