

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091120\
 Data File : VV018192.D
 Acq On : 11 Sep 2020 11:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Sep 12 01:20:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 15:02:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	303324	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	303820	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103522	41.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.76%
7) Chloroethane-d5	1.58	69	91350	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.32%
11) 1,1-Dichloroethene-d2	2.12	63	209120	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
21) 2-Butanone-d5	3.91	46	161165	106.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.52%
24) Chloroform-d	4.37	84	205098	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	5.05	65	135434	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
32) Benzene-d6	5.07	84	404849	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
36) 1,2-Dichloropropane-d6	6.09	67	132341	47.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.78%
41) Toluene-d8	7.33	98	376857	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%
43) trans-1,3-Dichloropropene-	7.64	79	67462	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
47) 2-Hexanone-d5	8.10	63	113367	108.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.30%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	177223	51.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	164588	47.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115201	52.085	ug/L 100
3) Chloromethane	1.25	50	126987	52.579	ug/L 98
5) Vinyl chloride	1.32	62	128746	51.984	ug/L 100
6) Bromomethane	1.53	94	82621	54.580	ug/L 99
8) Chloroethane	1.60	64	83914	54.088	ug/L 100
9) Trichlorofluoromethane	1.77	101	180365	52.931	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	111394	54.423	ug/L 99
12) 1,1-Dichloroethene	2.13	96	106724	53.587	ug/L 97
13) Acetone	2.19	43	168366	138.965	ug/L 99
14) Carbon disulfide	2.31	76	317560	52.108	ug/L 100
15) Methyl Acetate	2.45	43	124038	56.968	ug/L 99
16) Methylene chloride	2.52	84	125125	56.019	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	111068	54.113	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	365100	57.503	ug/L 100
19) 1,1-Dichloroethane	3.21	63	213541	55.026	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	122101	55.650	ug/L 100
22) 2-Butanone	3.99	43	198229	138.170	ug/L 96

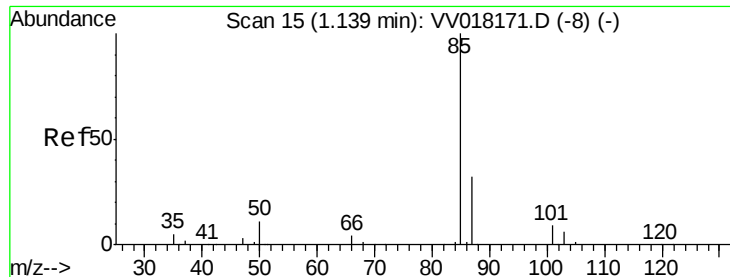
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091120\
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 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 15:02:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66980	58.347	uq/L	98
25) Chloroform	4.40	83	224347	56.873	uq/L	99
27) 1,2-Dichloroethane	5.15	62	172316	56.427	uq/L	99
29) Cyclohexane	4.70	56	187123	53.337	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	185972	52.744	uq/L	100
31) Carbon tetrachloride	4.85	117	162420	52.387	uq/L	98
33) Benzene	5.12	78	476383	54.841	uq/L	100
34) Trichloroethene	5.94	95	125891	53.201	uq/L	99
35) Methylcyclohexane	6.15	83	191081	53.631	uq/L	100
37) 1,2-Dichloropropane	6.19	63	125387	54.473	uq/L	99
38) Bromodichloromethane	6.53	83	164773	55.007	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	199720	56.313	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	329908	118.140	uq/L	99
42) Toluene	7.41	91	513832	55.895	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	197008	57.051	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	120725	56.585	uq/L	99
46) Tetrachloroethene	7.99	164	102350	55.164	uq/L	98
48) 2-Hexanone	8.15	43	274375	124.628	uq/L	99
49) Dibromochloromethane	8.26	129	133316	55.668	uq/L	100
50) 1,2-Dibromoethane	8.37	107	127821	56.925	uq/L	99
51) Chlorobenzene	8.90	112	333651	55.887	uq/L	99
52) Ethylbenzene	9.03	91	562766	56.073	uq/L	100
53) m,p-Xylene	9.16	106	215976	57.654	uq/L	97
54) o-xylene	9.56	106	207189	57.410	uq/L	100
55) Styrene	9.58	104	371177	59.173	uq/L	99
56) Isopropylbenzene	9.95	105	552774	56.833	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	183767	58.228	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	154877	57.206	uq/L	100
61) Bromoform	9.75	173	99307	55.113	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	280557	56.252	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	286677	55.921	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	282173	55.973	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	40345	56.713	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	225881	57.448	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	209096	59.718	uq/L	99
69) Naphthalene	13.52	128	562311	63.469	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	208620	60.494	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 52.085 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

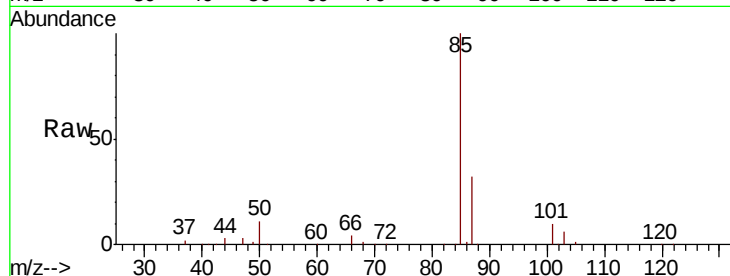
VSTD05098

Tot Ion: 85 Resp: 115201

Ion Ratio Lower Upper

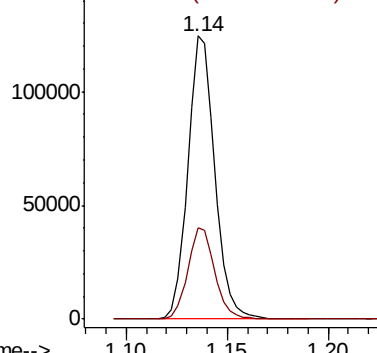
85 100

87 32.2 25.7 38.5

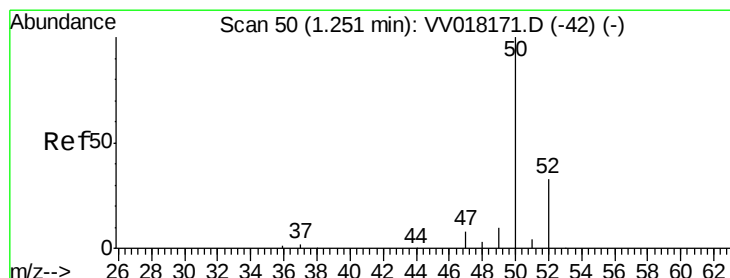
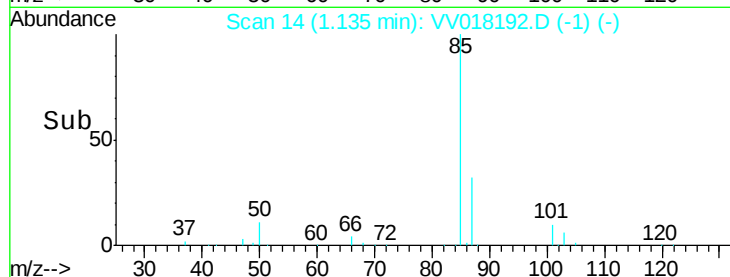


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 52.579 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018192.D

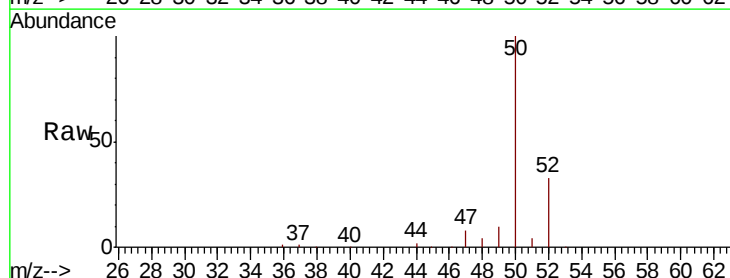
Acq: 11 Sep 2020 11:52

Tgt Ion: 50 Resp: 126987

Ion Ratio Lower Upper

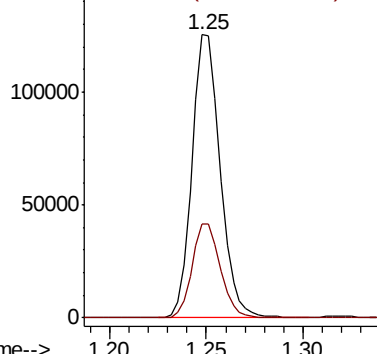
50 100

52 33.4 22.7 42.3

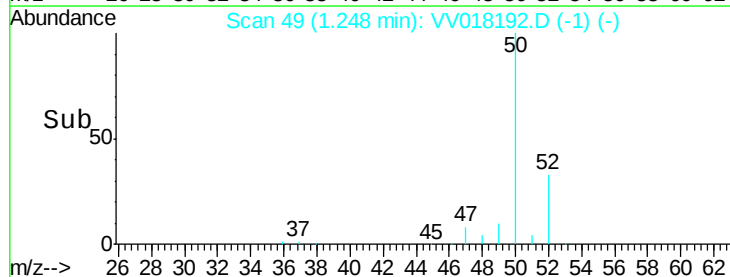


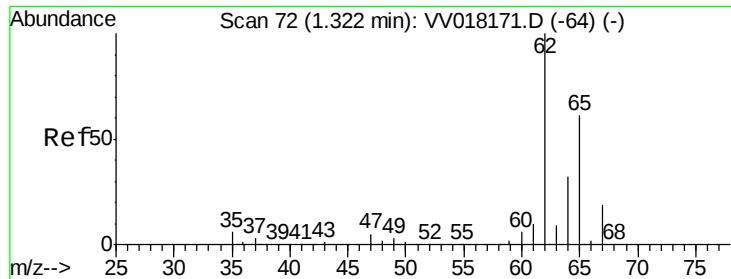
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 51.984 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

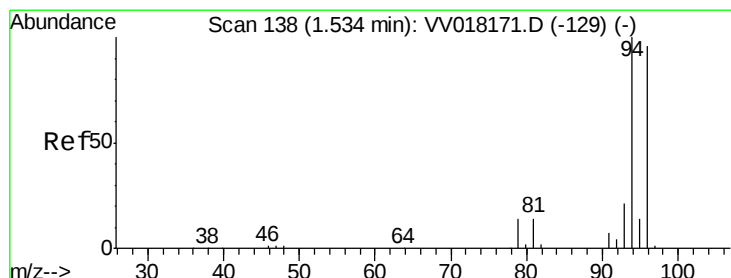
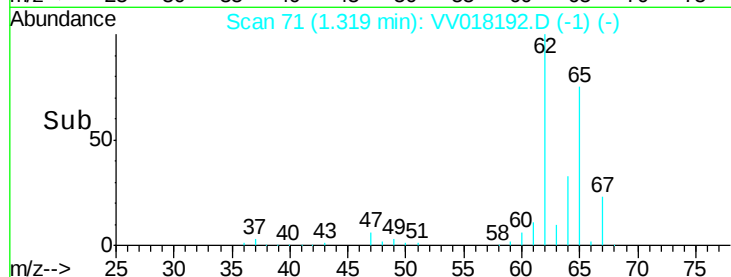
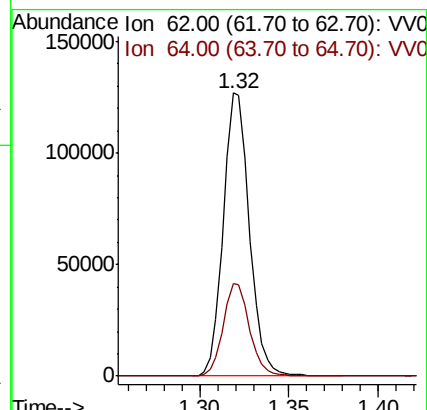
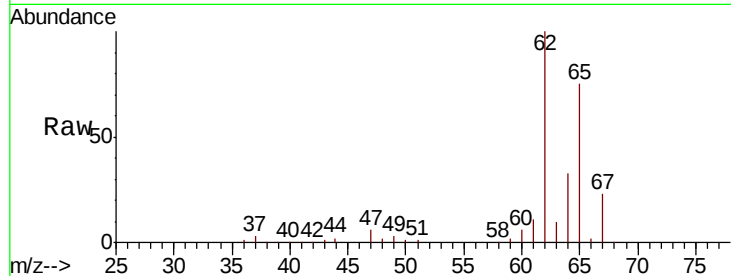
VSTD05098

Tot Ion: 62 Resp: 128746

Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



#6

Bromomethane

Concen: 54.580 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018192.D

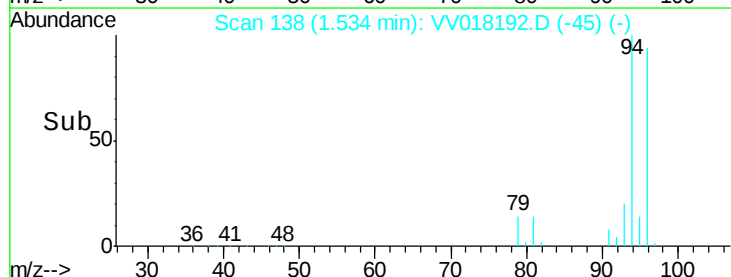
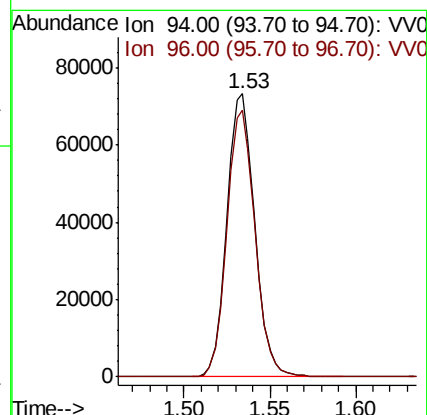
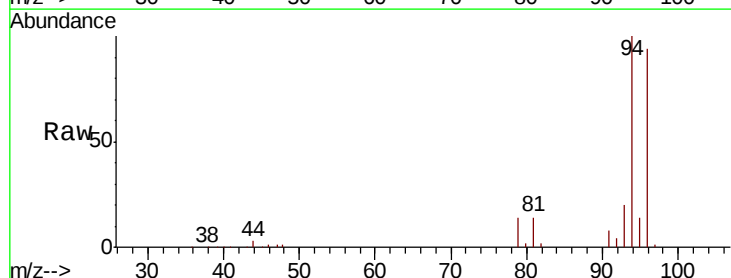
Acq: 11 Sep 2020 11:52

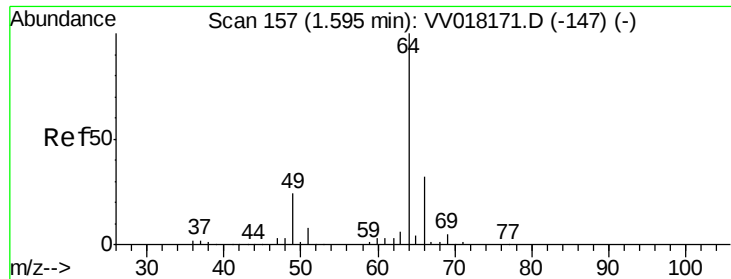
Tgt Ion: 94 Resp: 82621

Ion Ratio Lower Upper

94 100

96 94.4 65.1 120.9





#8

Chloroethane

Concen: 54.088 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

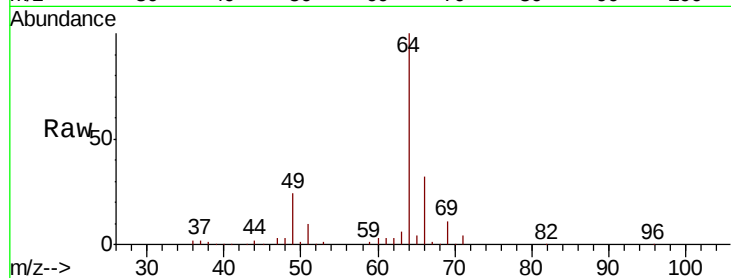
VSTD05098

Tot Ion: 64 Resp: 83914

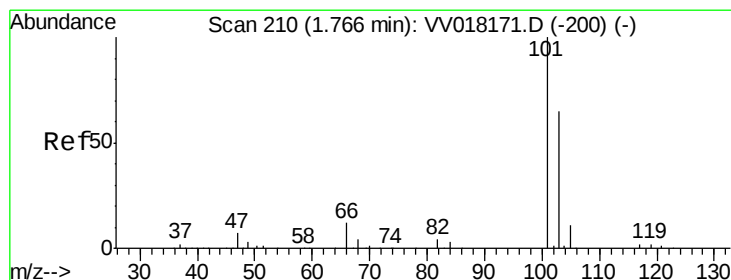
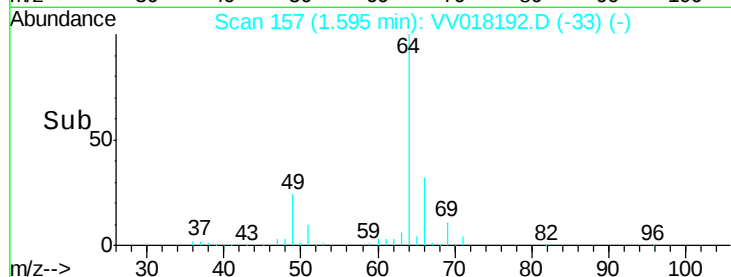
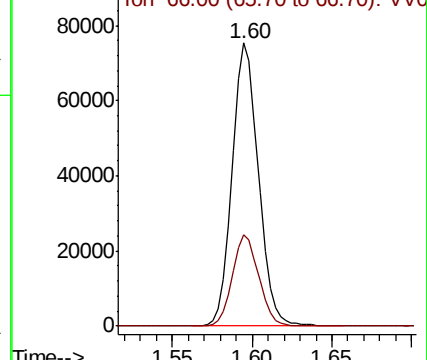
Ion Ratio Lower Upper

64 100

66 32.4 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018171.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 52.931 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018192.D

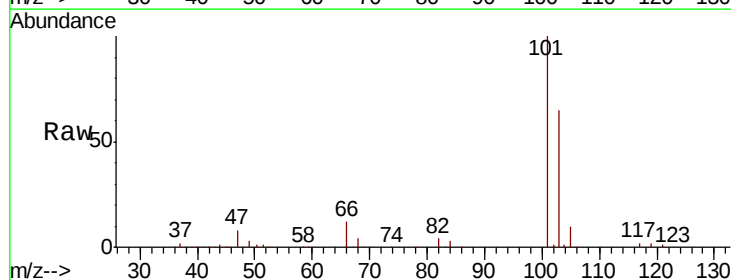
Acq: 11 Sep 2020 11:52

Tgt Ion: 101 Resp: 180365

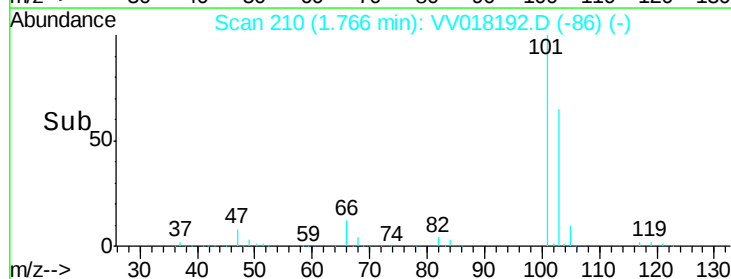
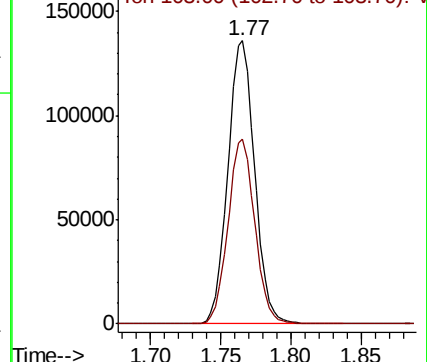
Ion Ratio Lower Upper

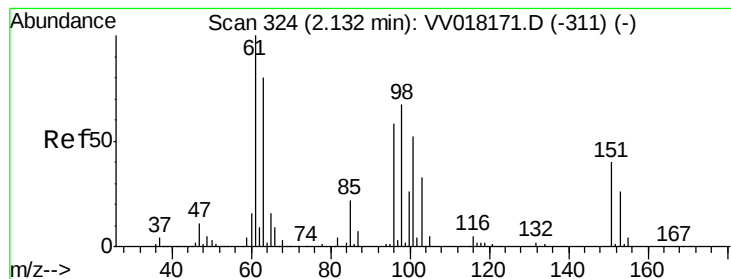
101 100

103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018171.D (-200) (-)





#10

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

Concen: 54.423 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

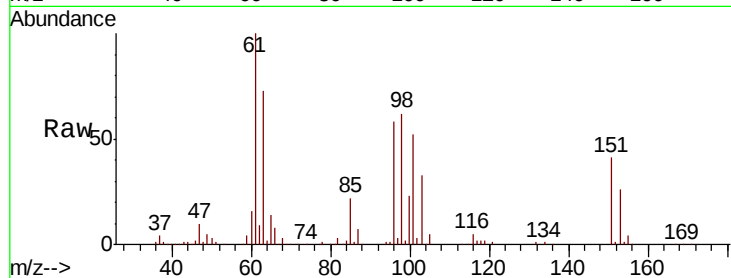
Tot Ion:101 Resp: 111394

Ion Ratio Lower Upper

101 100

85 42.7 33.5 50.3

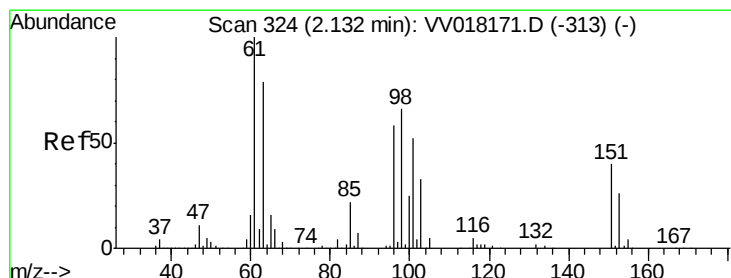
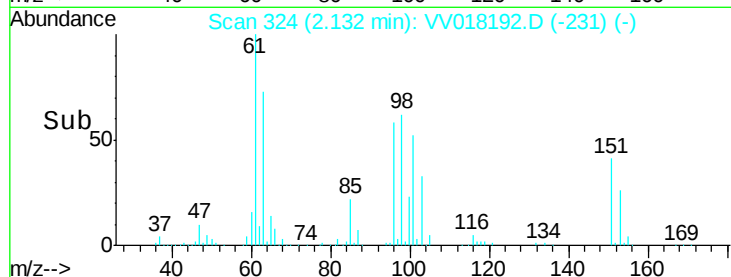
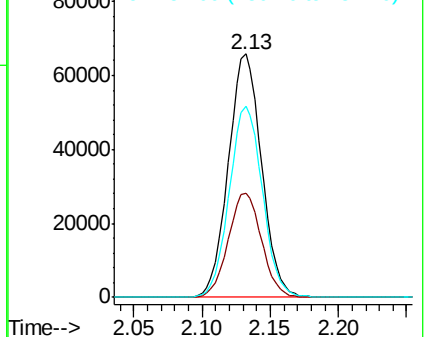
151 78.4 62.2 93.2



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: 53.587 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

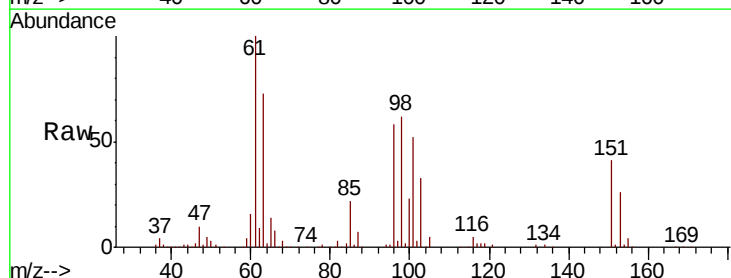
Tgt Ion: 96 Resp: 106724

Ion Ratio Lower Upper

96 100

61 172.8 122.9 228.3

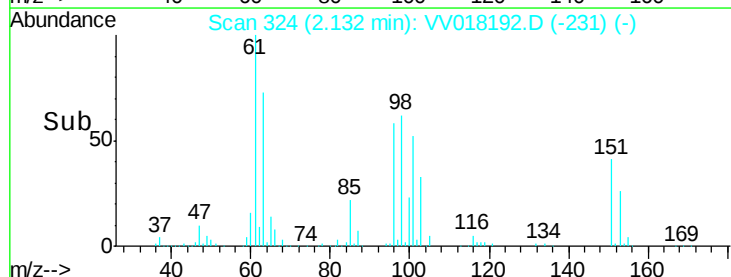
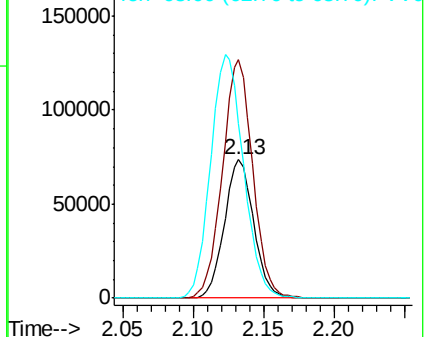
63 126.4 91.9 170.7

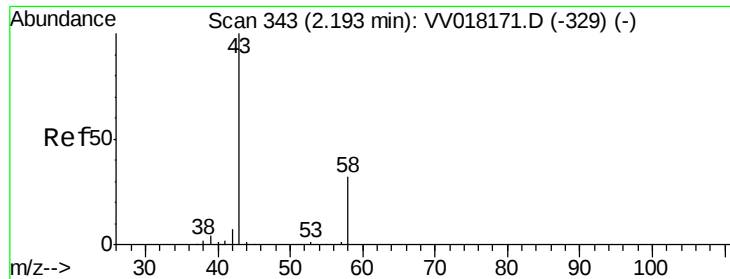


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 138.965 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

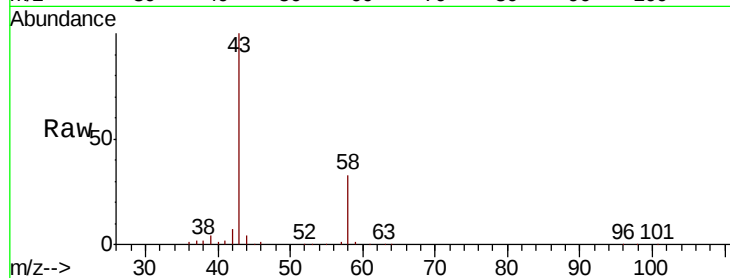
VSTD05098

Tot Ion: 43 Resp: 168366

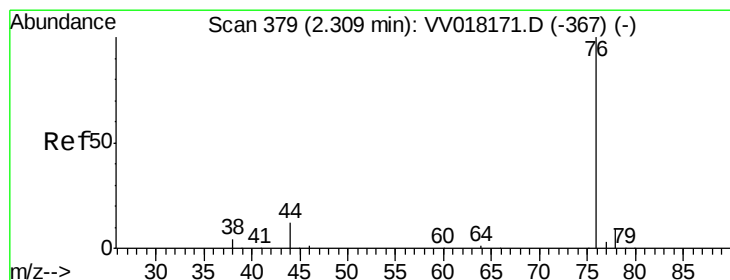
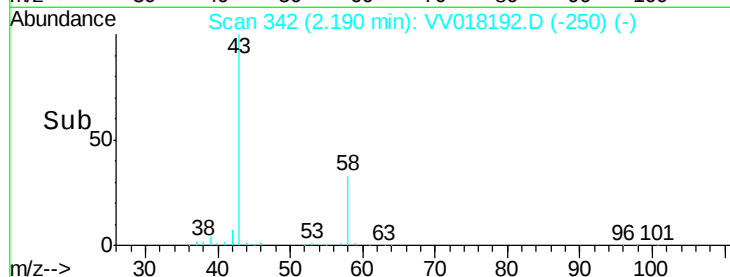
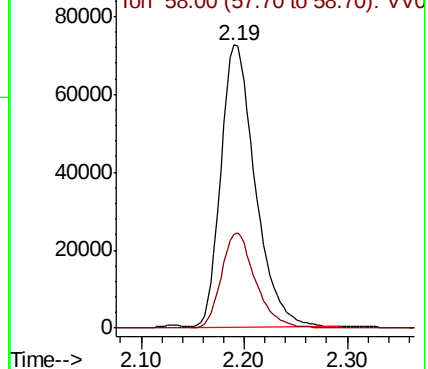
Ion Ratio Lower Upper

43 100

58 33.1 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018192.D (-250) (-)



#14

Carbon disulfide

Concen: 52.108 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018192.D

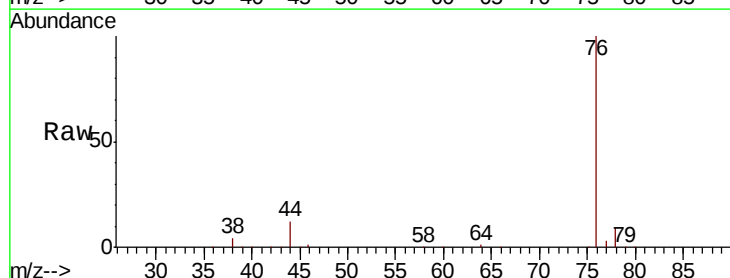
Acq: 11 Sep 2020 11:52

Tgt Ion: 76 Resp: 317560

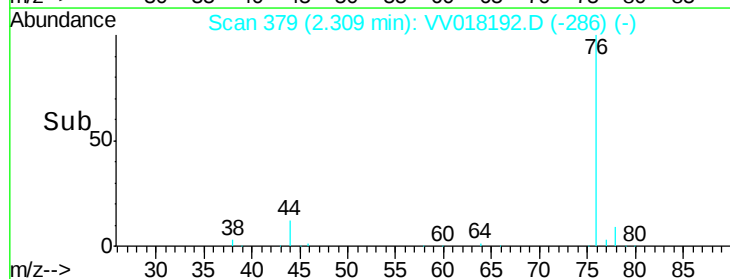
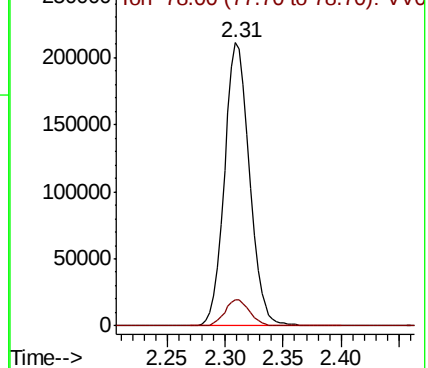
Ion Ratio Lower Upper

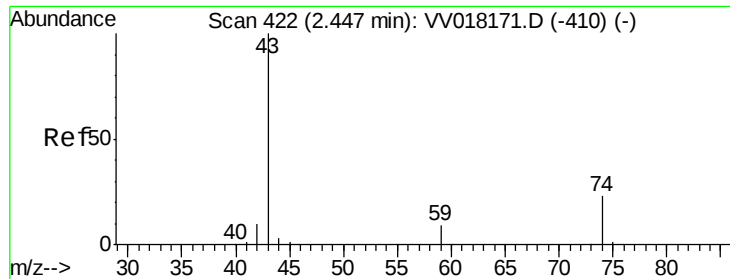
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018192.D (-286) (-)

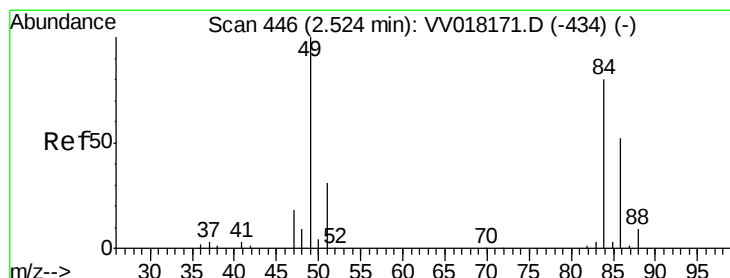
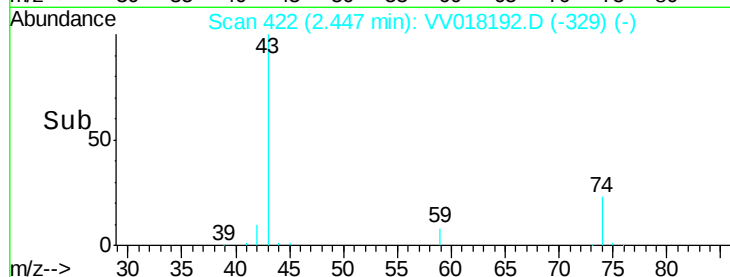
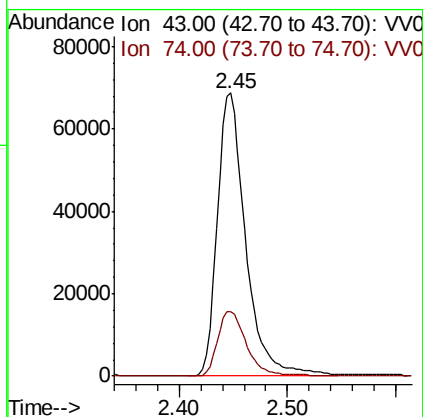
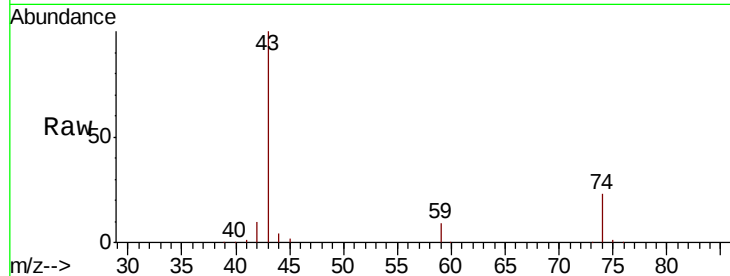




#15
Methvl Acetate
Concen: 56.968 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

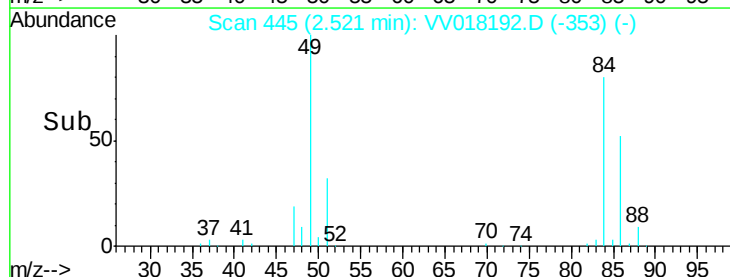
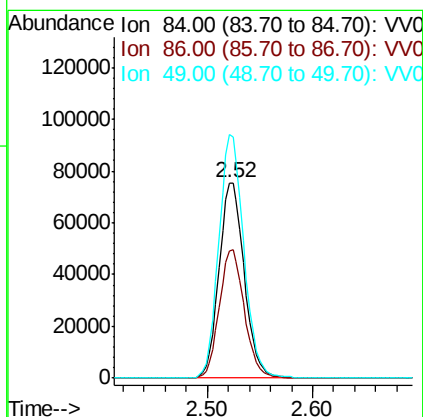
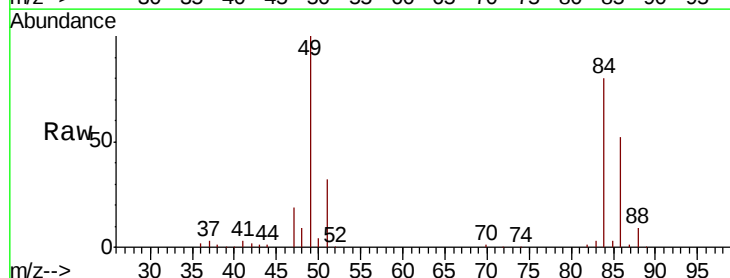
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

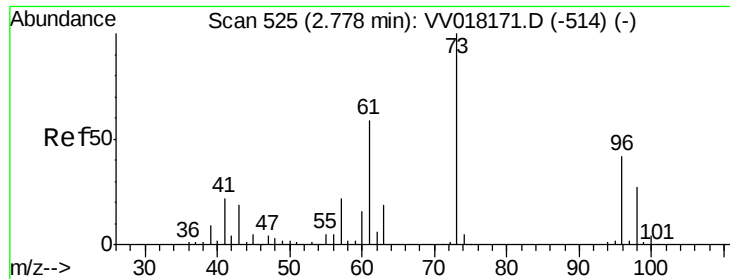
Tot Ion: 43 Resp: 124038
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#16
Methylene chloride
Concen: 56.019 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Tgt Ion: 84 Resp: 125125
Ion Ratio Lower Upper
84 100
86 65.3 44.4 82.4
49 124.5 87.2 162.0

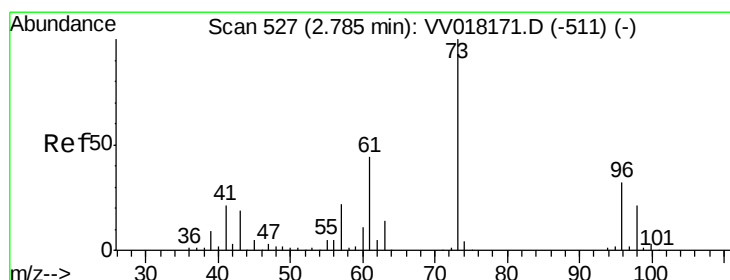
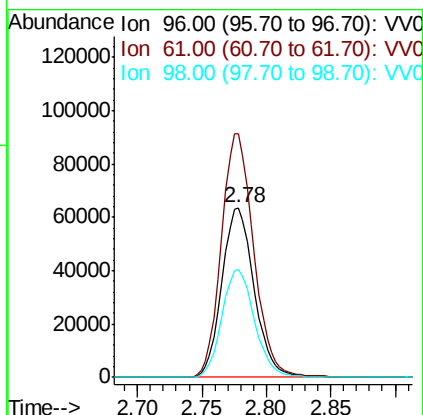
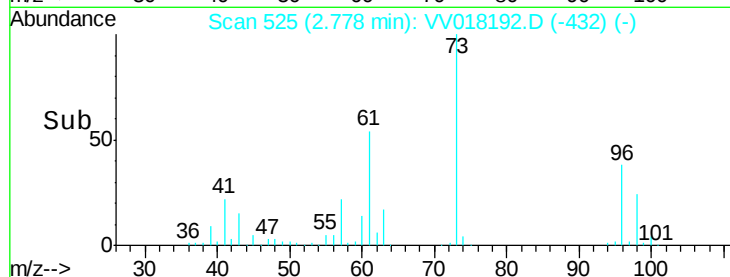
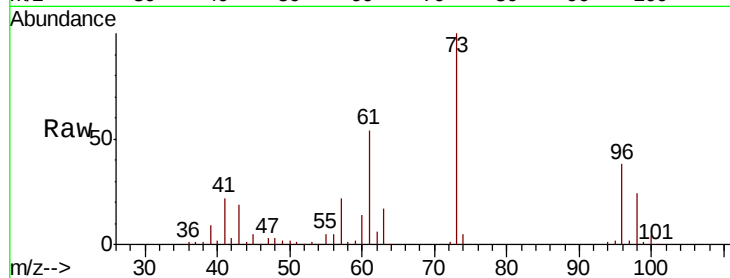




#17
trans-1,2-Dichloroethene
Concen: 54.113 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

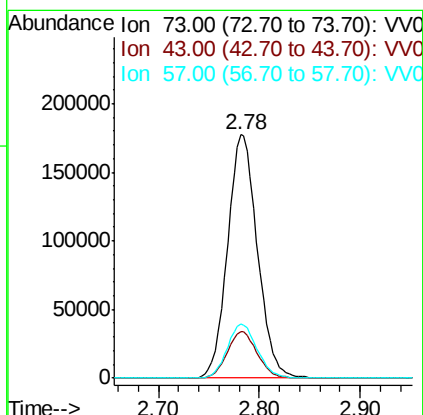
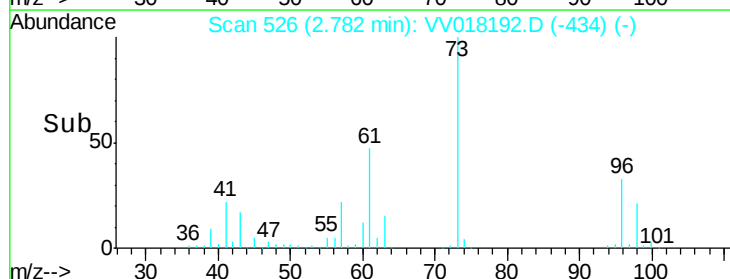
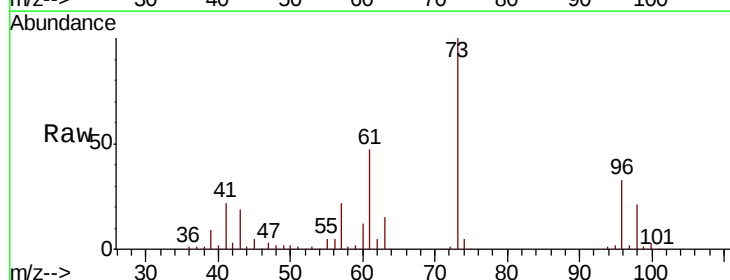
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

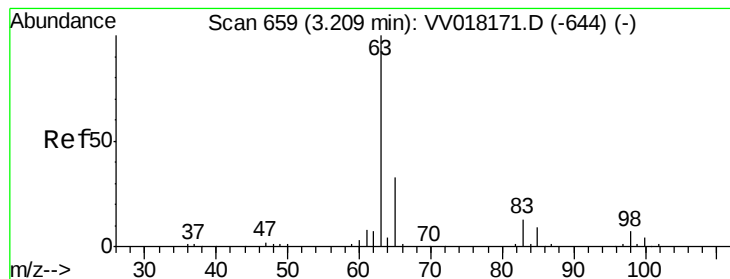
Tot Ion: 96 Resp: 111068
Ion Ratio Lower Upper
96 100
61 142.9 100.7 186.9
98 63.3 45.2 84.0



#18
Methyl tert-butyl Ether
Concen: 57.503 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Tgt Ion: 73 Resp: 365100
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.0
57 22.4 18.0 27.0





#19

1,1-Dichloroethane

Concen: 55.026 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

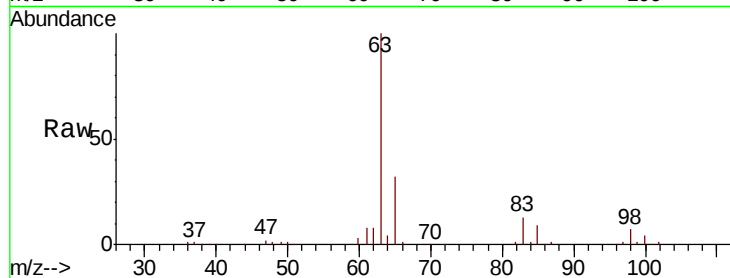
Tot Ion: 63 Resp: 213541

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

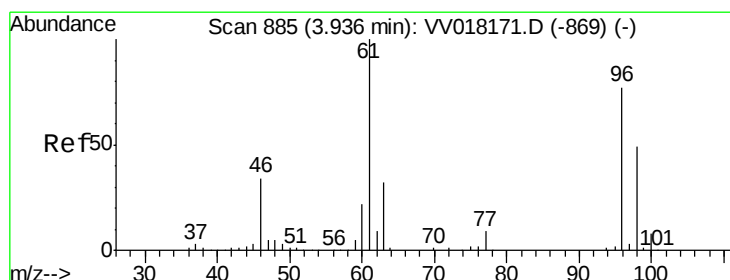
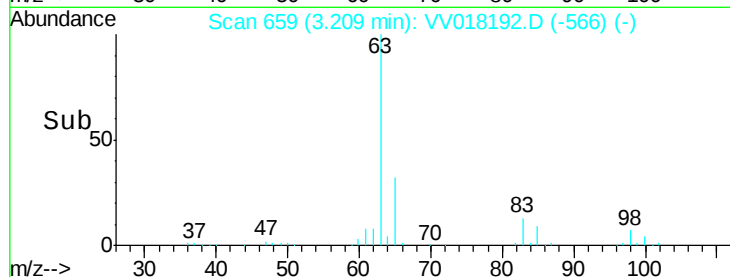
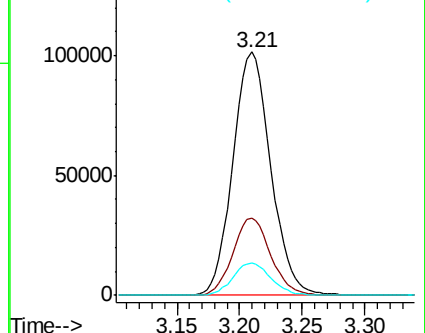
83 13.3 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 55.650 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

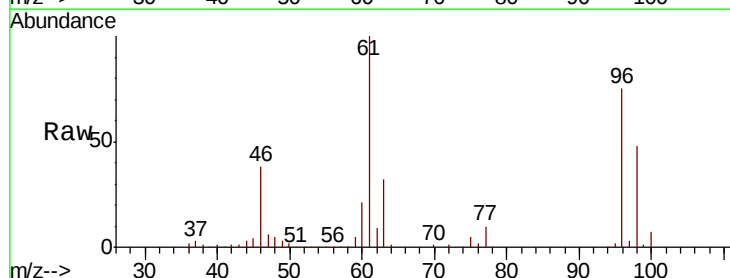
Tgt Ion: 96 Resp: 122101

Ion Ratio Lower Upper

96 100

61 133.4 93.6 173.8

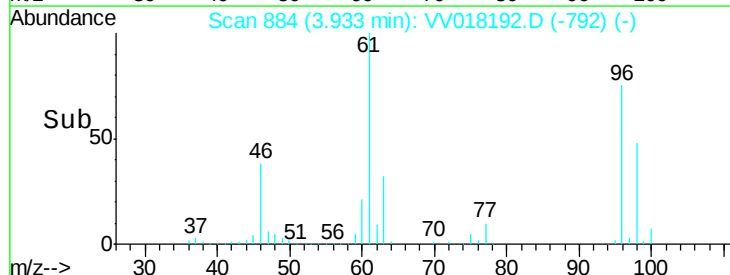
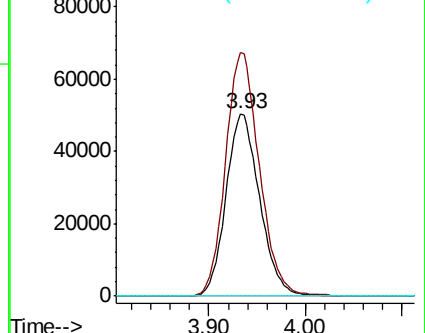
68 0.0 0.0 0.0

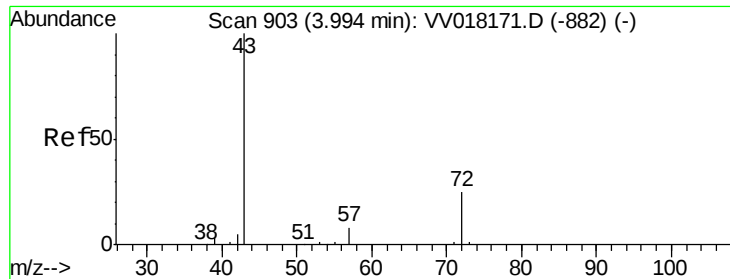


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 138.170 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

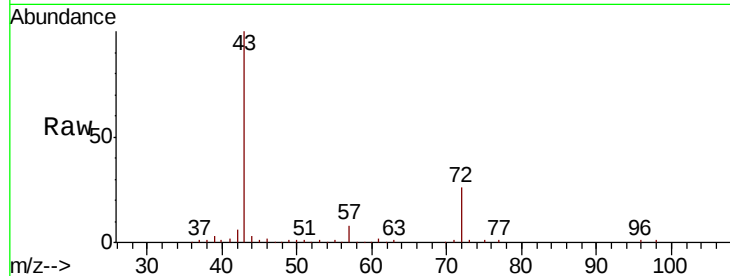
VSTD05098

Tot Ion: 43 Resp: 198229

Ion Ratio Lower Upper

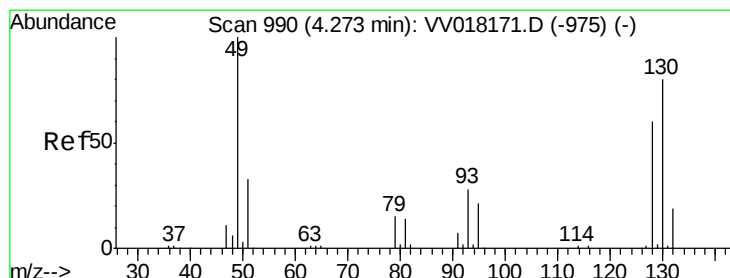
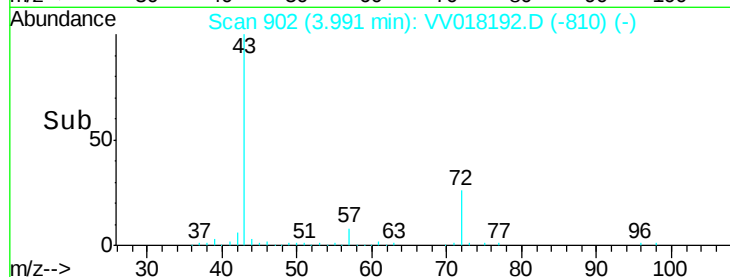
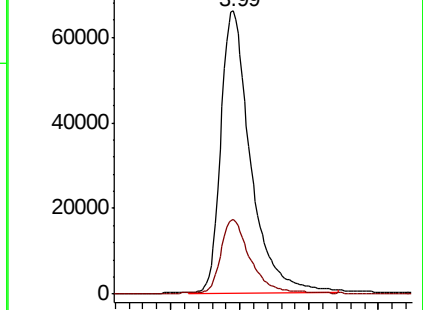
43 100

72 24.3 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018192.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV018192.D (-897) (-)



#23

Bromochloromethane

Concen: 58.347 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Tgt Ion: 128 Resp: 66980

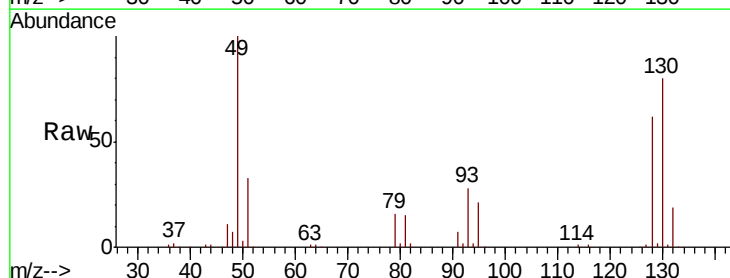
Ion Ratio Lower Upper

128 100

49 160.6 114.4 212.6

130 128.6 87.9 163.3

51 53.8 41.8 62.8

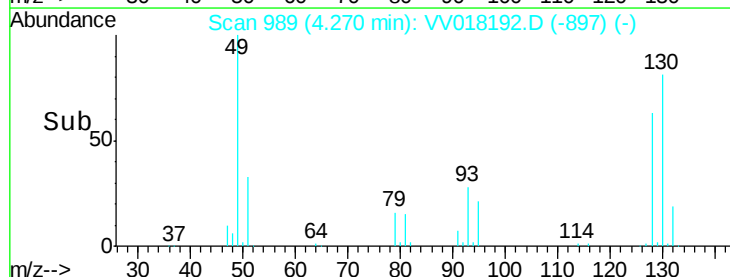
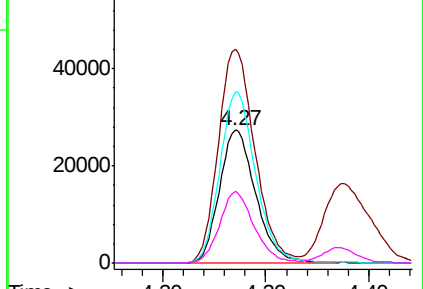


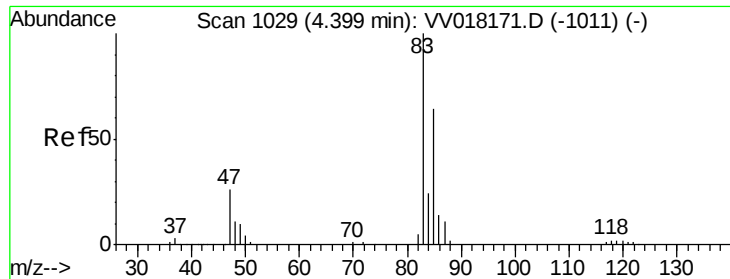
Abundance Ion 128.00 (127.70 to 128.70): VV018192.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018192.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018192.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018192.D (-897) (-)

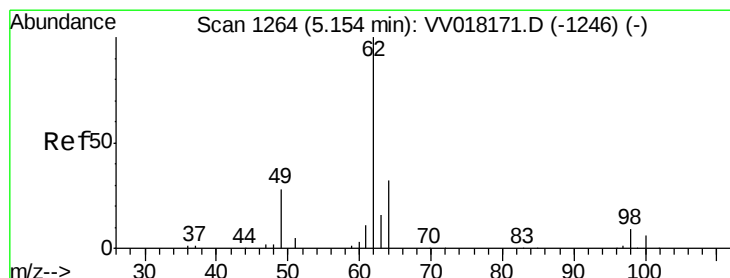
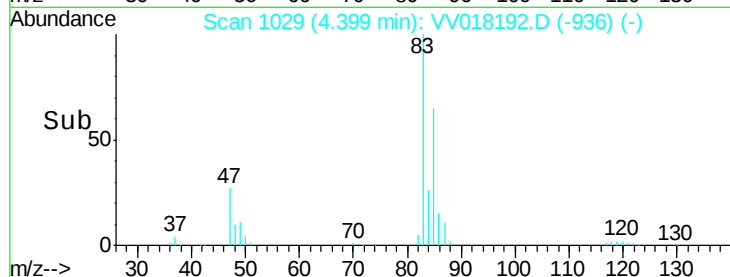
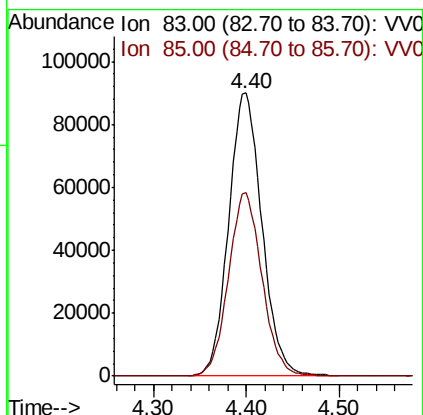
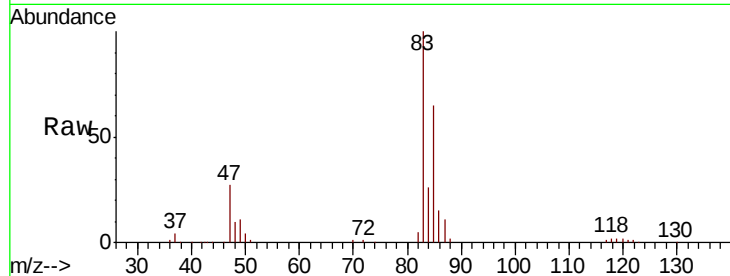




#25
Chloroform
Concen: 56.873 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

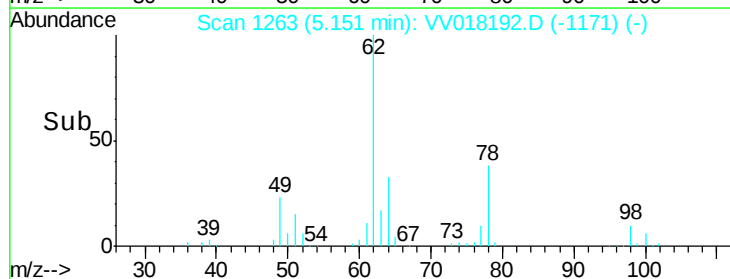
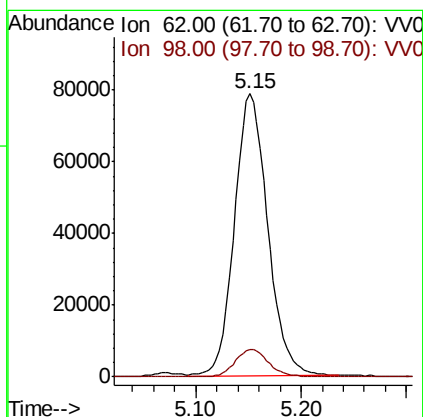
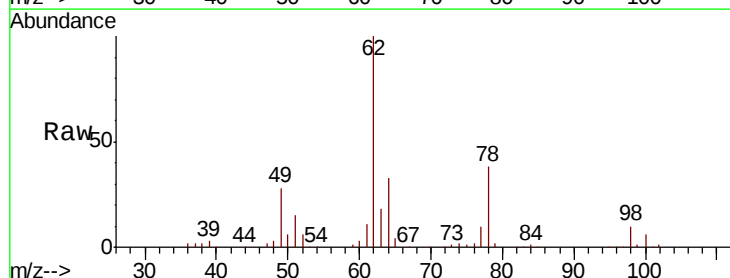
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

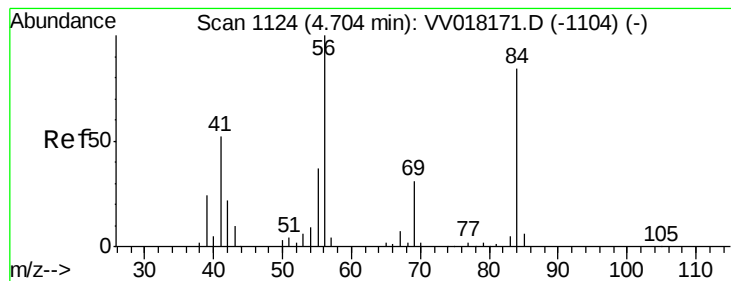
Tot Ion: 83 Resp: 224347
Ion Ratio Lower Upper
83 100
85 64.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 56.427 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Tgt Ion: 62 Resp: 172316
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4





#29

Cvclohexane

Concen: 53.337 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

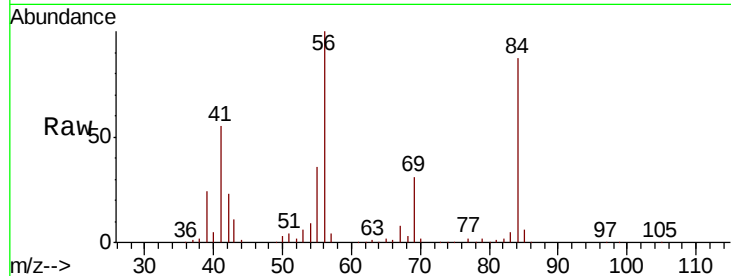
Tot Ion: 56 Resp: 187123

Ion Ratio Lower Upper

56 100

69 30.7 24.2 36.2

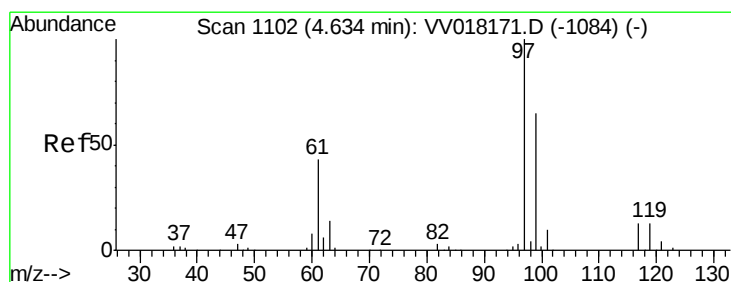
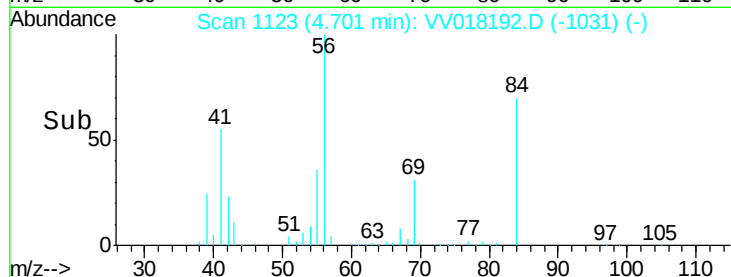
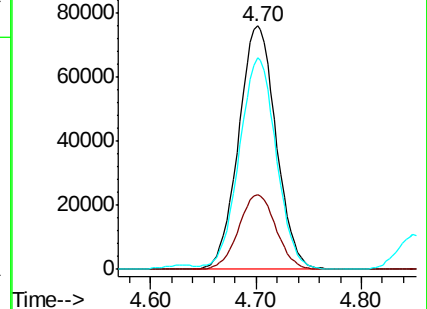
84 86.1 68.3 102.5



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: 52.744 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

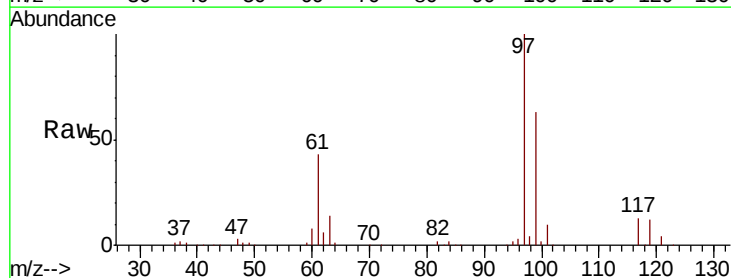
Tgt Ion: 97 Resp: 185972

Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

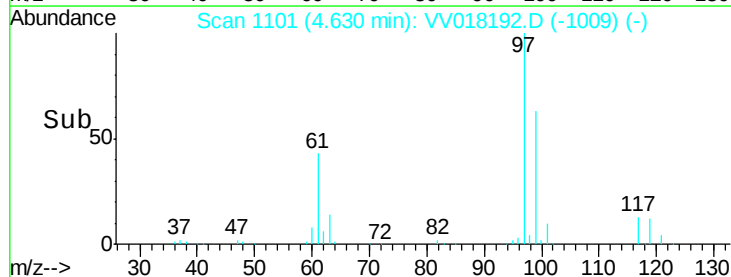
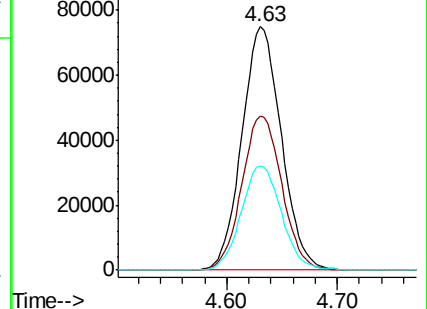
61 43.8 34.9 52.3

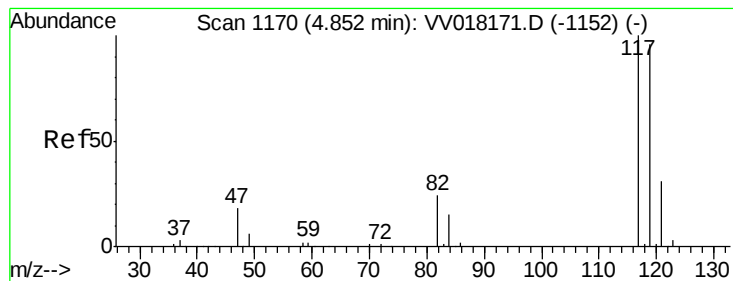


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 52.387 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

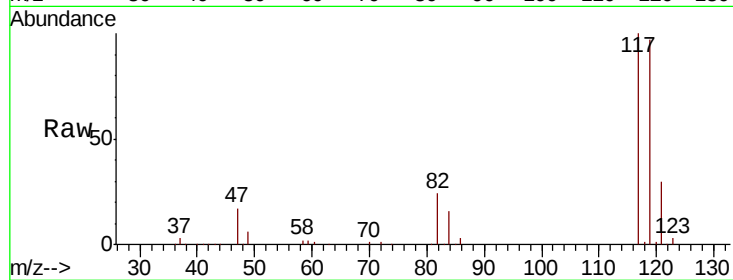
VSTD05098

Tot Ion:117 Resp: 162420

Ion Ratio Lower Upper

117 100

119 96.3 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

60000

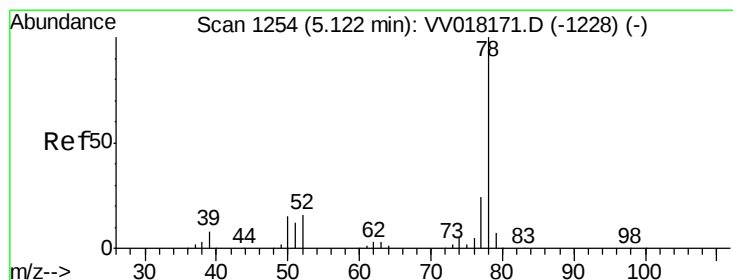
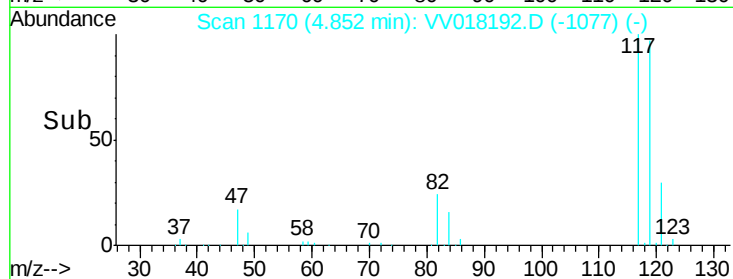
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 54.841 ug/L

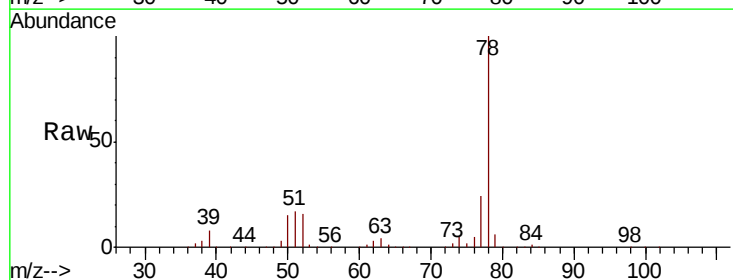
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Tgt Ion: 78 Resp: 476383



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

250000

200000

150000

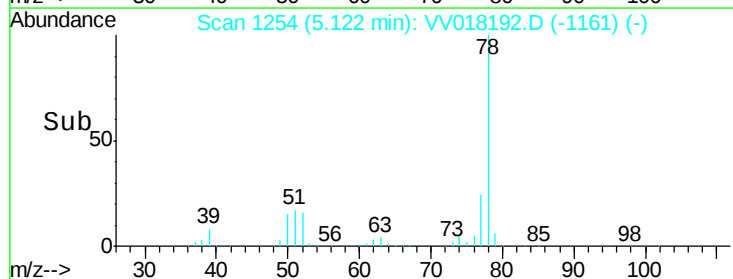
100000

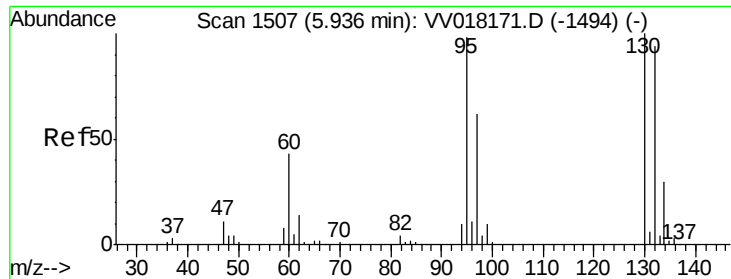
50000

0

Time-->

5.00 5.10 5.20 5.30

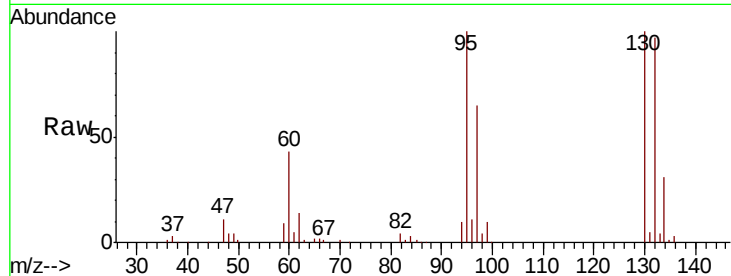




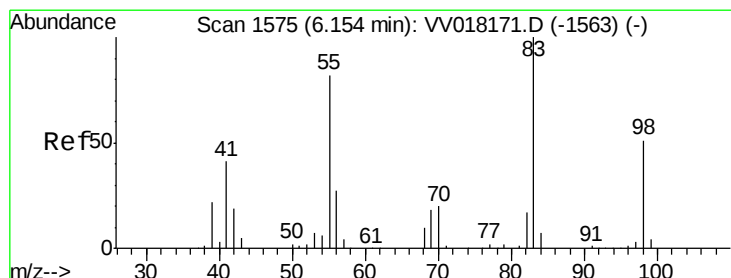
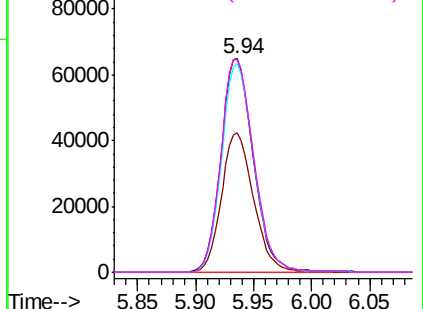
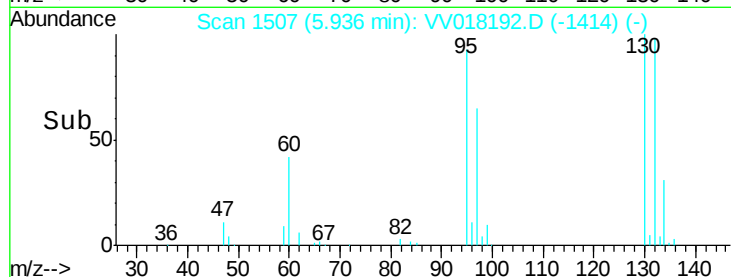
#34
 Trichloroethene
 Concen: 53.201 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Tot Ion:	95	Resp:	125891
Ion	Ratio	Lower	Upper
95	100		
97	65.1	46.3	85.9
132	97.4	68.1	126.5
130	99.8	71.5	132.9

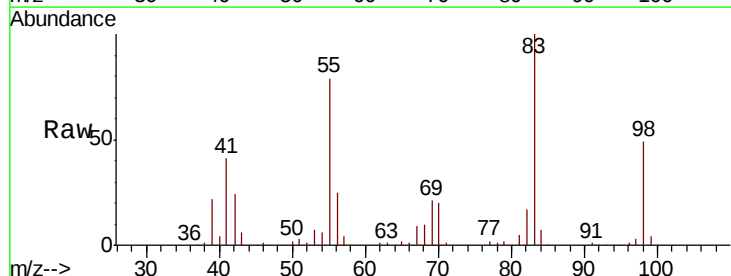


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

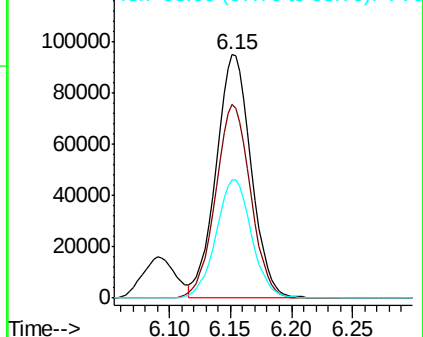
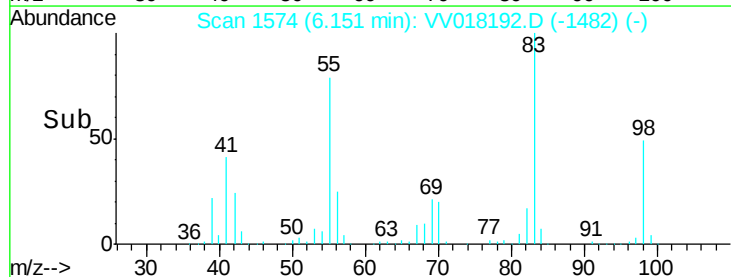


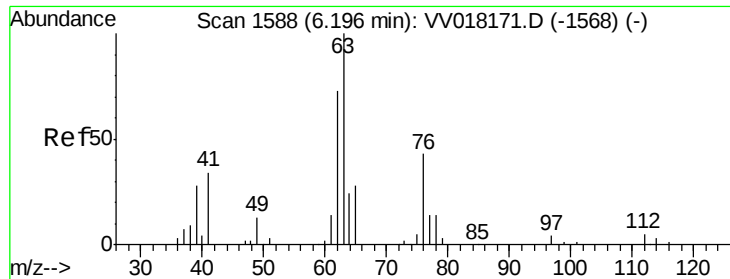
#35
 Methylcyclohexane
 Concen: 53.631 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Tgt Ion:	83	Resp:	191081
Ion	Ratio	Lower	Upper
83	100		
55	79.2	63.4	95.2
98	49.3	38.8	58.2



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

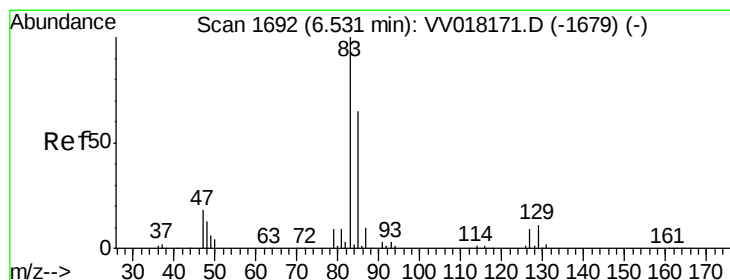
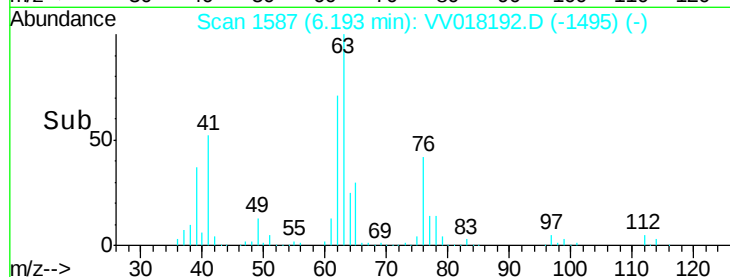
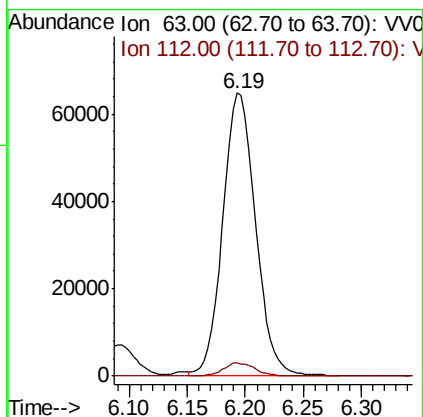
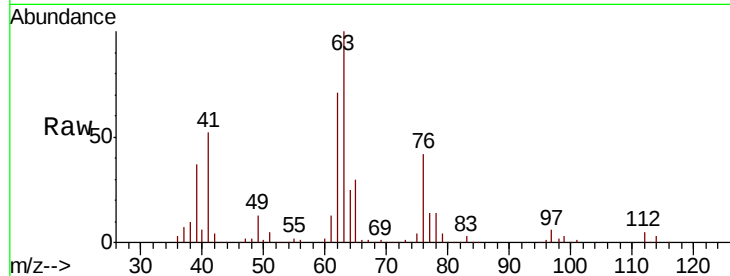




#37
 1,2-Dichloropropane
 Concen: 54.473 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

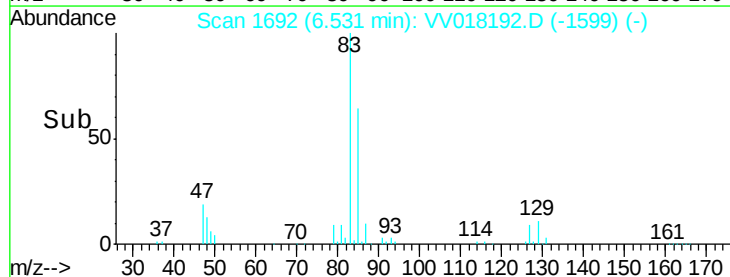
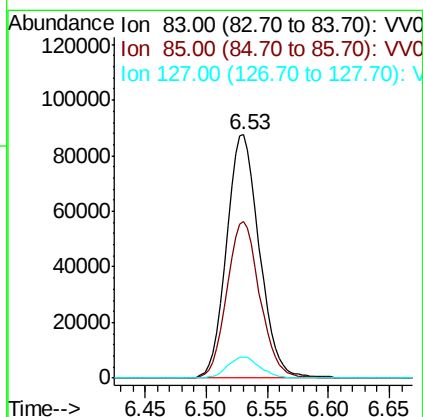
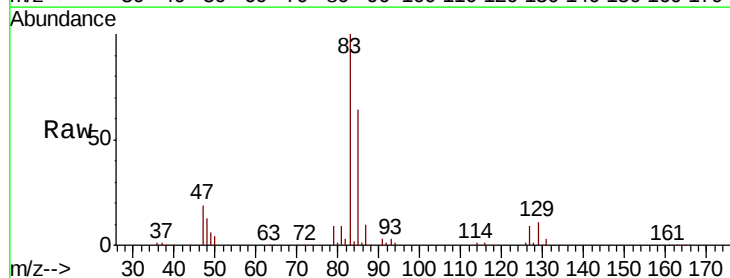
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

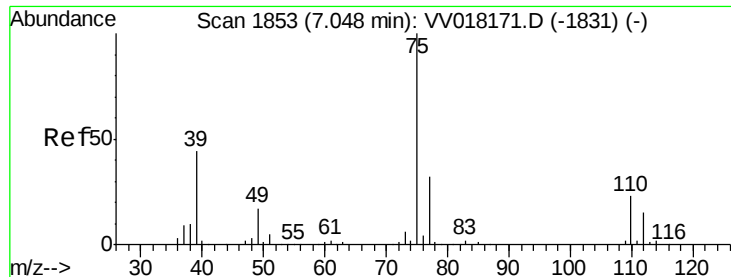
Tot Ion: 63 Resp: 125387
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 55.007 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Tgt Ion: 83 Resp: 164773
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.7 82.9
 127 8.8 6.7 10.1

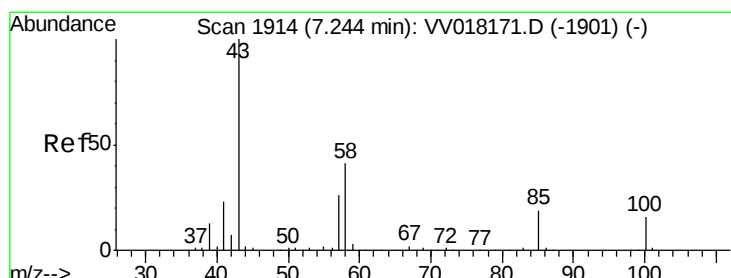
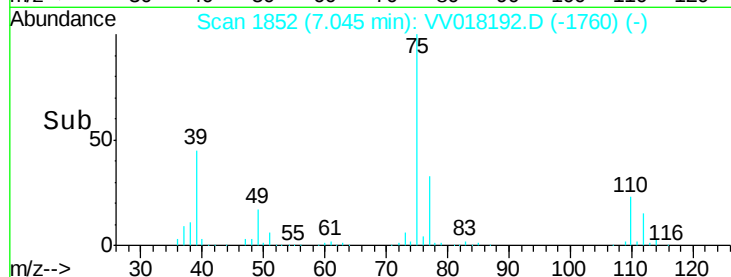
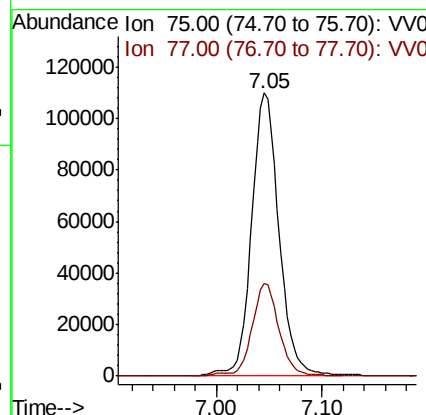
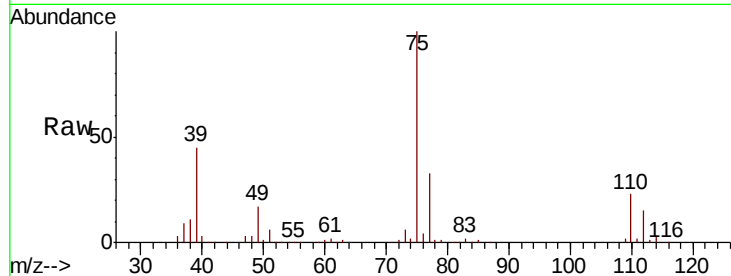




#39
 cis-1,3-Dichloropropene
 Concen: 56.313 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

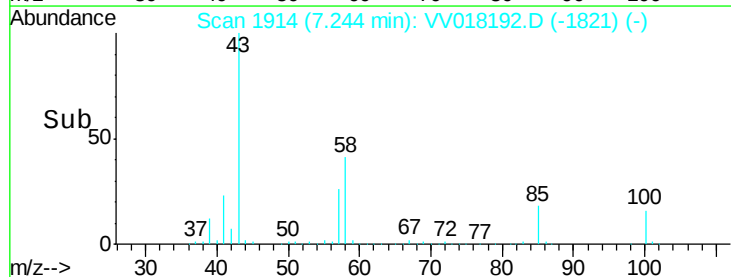
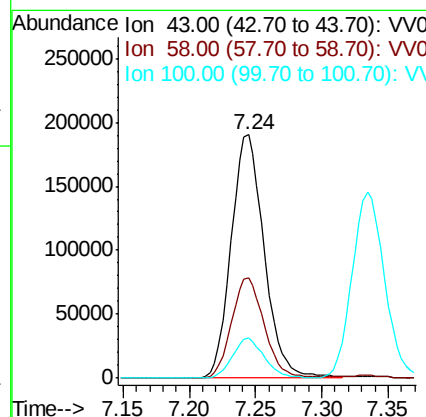
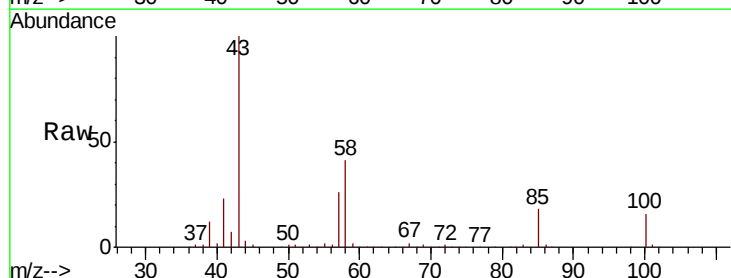
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

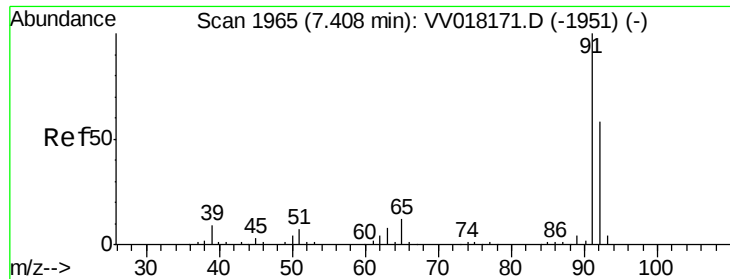
Tot Ion: 75 Resp: 199720
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 118.140 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Tgt Ion: 43 Resp: 329908
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6
 100 15.8 12.7 19.1





#42

Toluene

Concen: 55.895 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

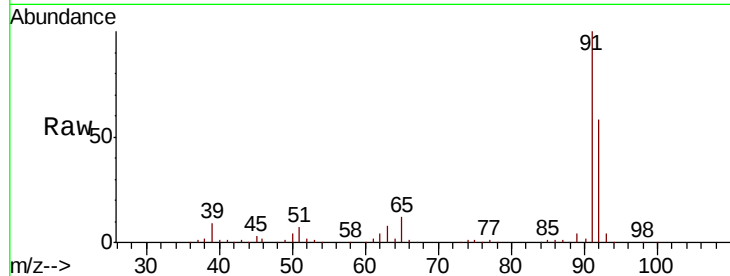
VSTD05098

Tot Ion: 91 Resp: 513832

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

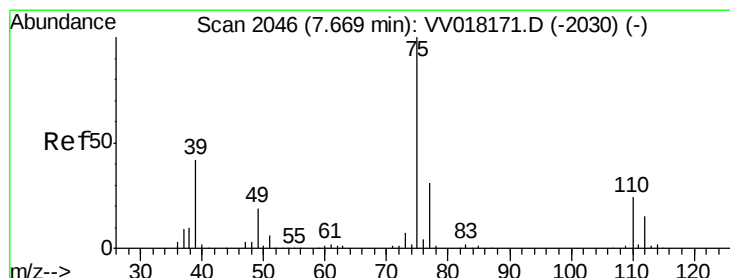
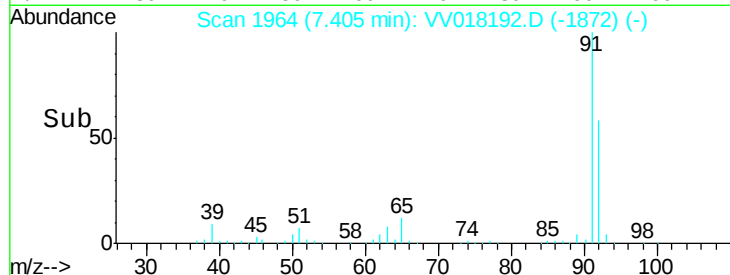
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 57.051 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018192.D

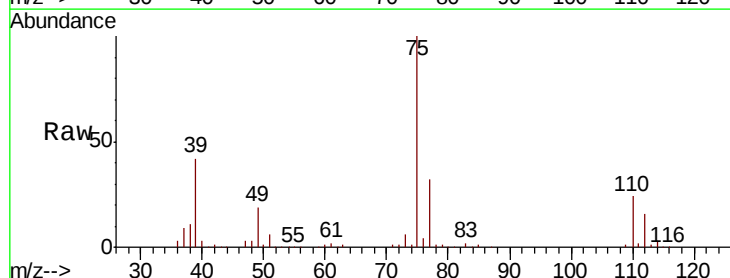
Acq: 11 Sep 2020 11:52

Tgt Ion: 75 Resp: 197008

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

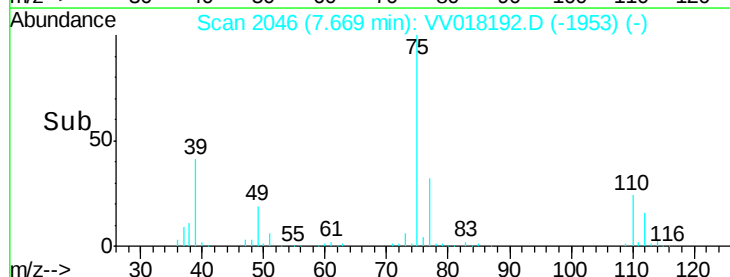
7.67

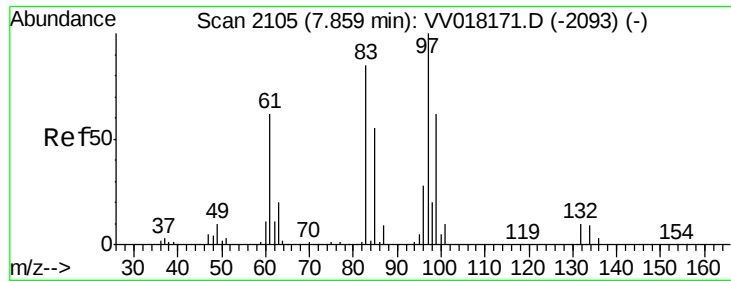
100000

50000

0

Time-->

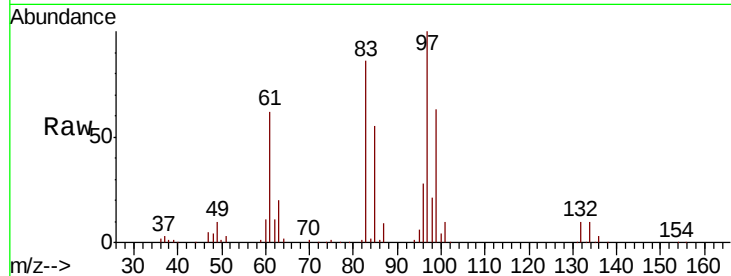




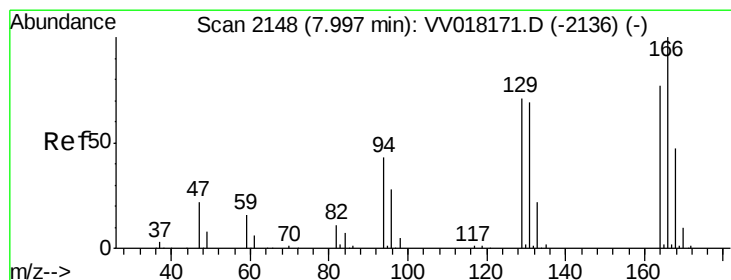
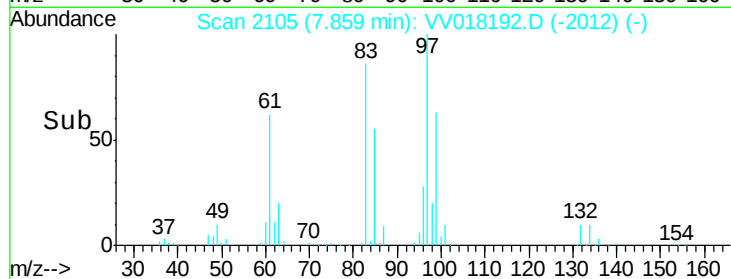
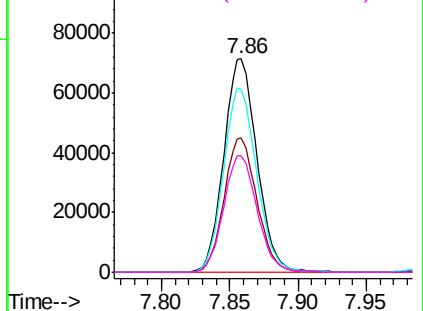
#45
 1,1,2-Trichloroethane
 Concen: 56.585 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05098

Tot Ion:	97	Resp:	120725
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.7	81.1
83	85.7	59.9	111.3
85	54.8	37.6	69.8

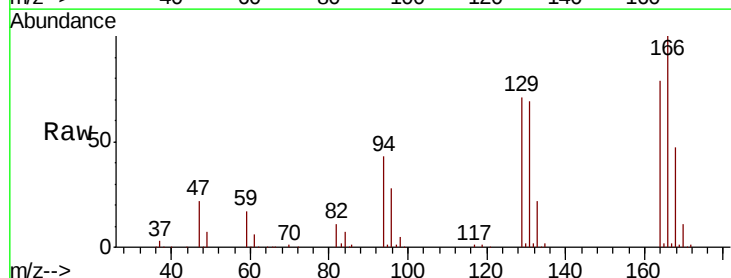


Abundance Ion 97.00 (96.70 to 97.70): VV018192.D (-2093) (-)

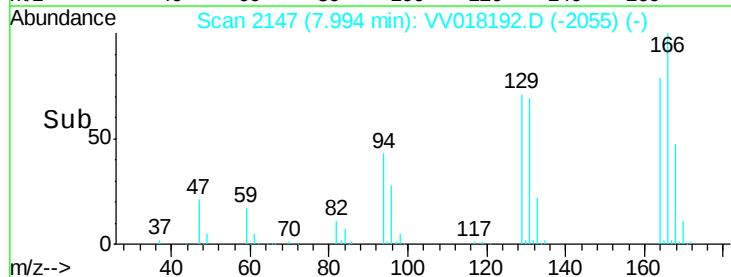
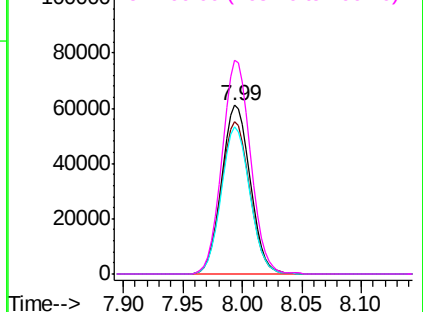


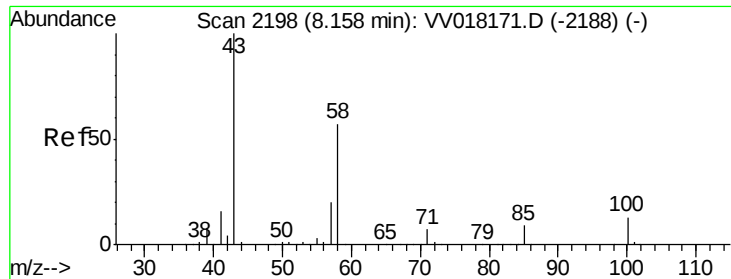
#46
 Tetrachloroethene
 Concen: 55.164 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Tgt Ion:	164	Resp:	102350
Ion	Ratio	Lower	Upper
164	100		
129	90.3	64.5	119.7
131	86.9	61.8	114.8
166	126.4	90.6	168.2



Abundance Ion 164.00 (163.70 to 164.70): VV018192.D (-2055) (-)

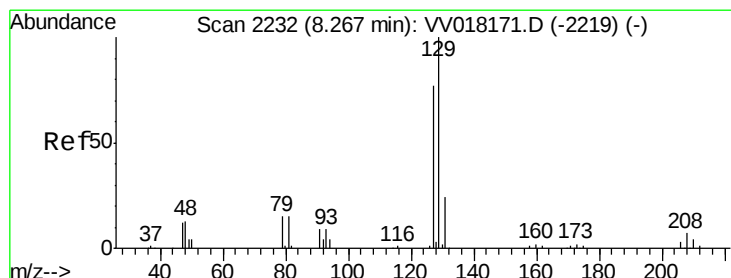
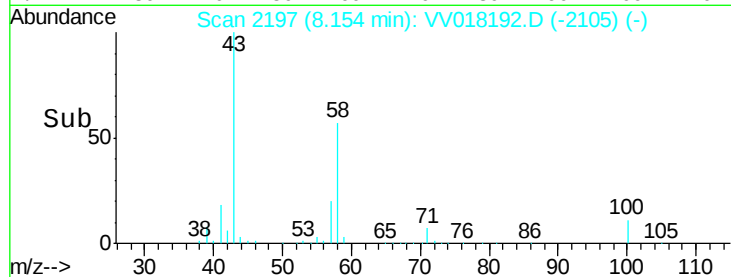
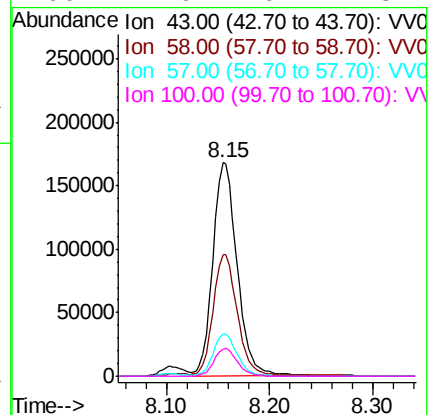
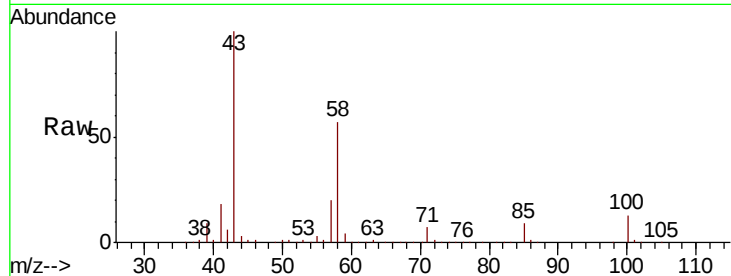




#48
2-Hexanone
Concen: 124.628 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

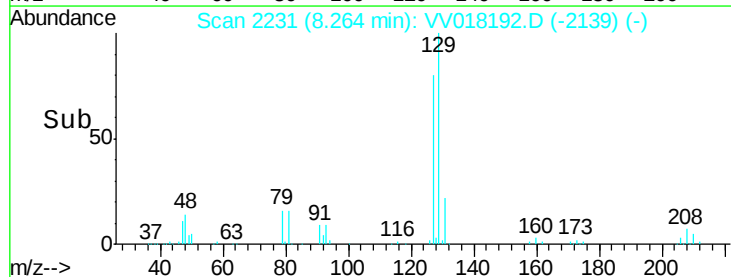
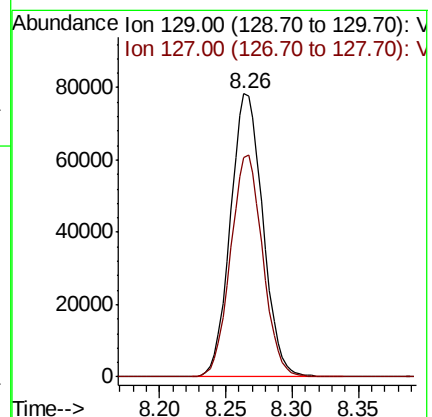
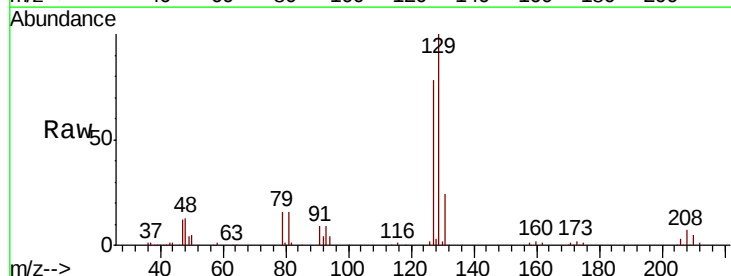
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

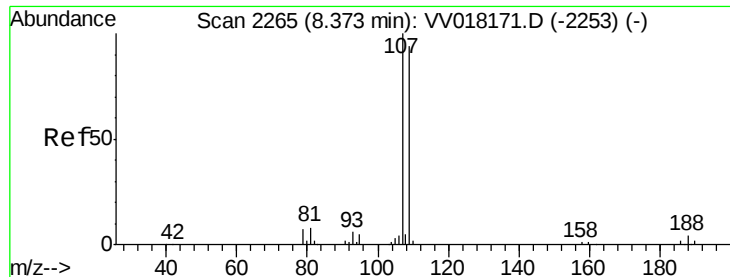
Tot Ion: 43 Resp: 274375
Ion Ratio Lower Upper
43 100
58 56.9 44.8 67.2
57 19.7 15.8 23.6
100 12.9 10.2 15.4



#49
Dibromochloromethane
Concen: 55.668 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Tgt Ion: 129 Resp: 133316
Ion Ratio Lower Upper
129 100
127 77.7 54.5 101.1

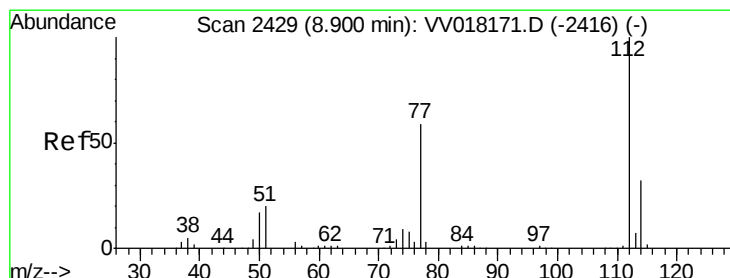
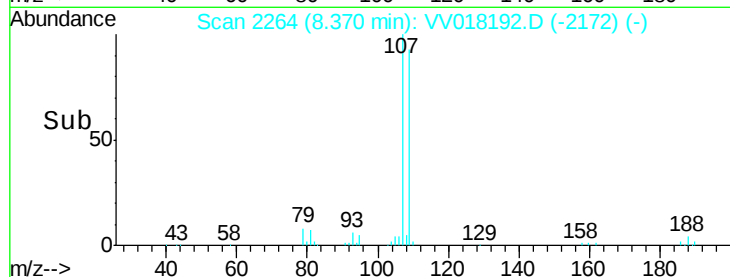
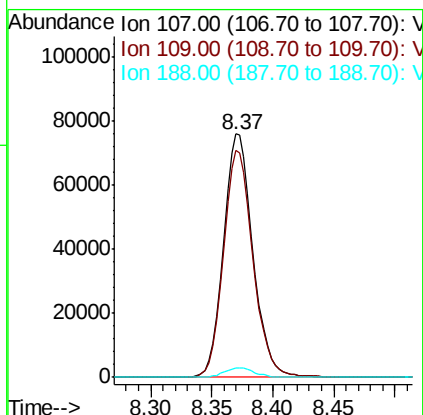
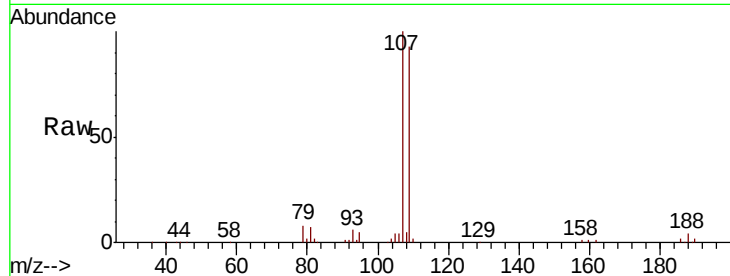




#50
1,2-Dibromoethane
Concen: 56.925 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

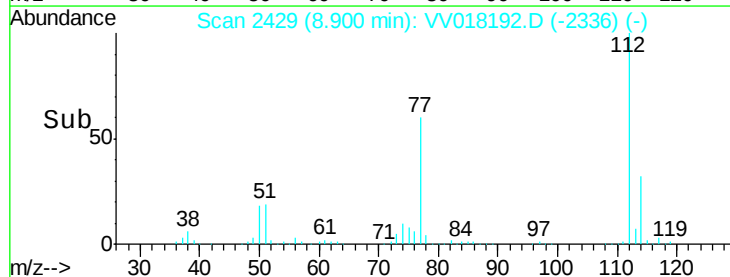
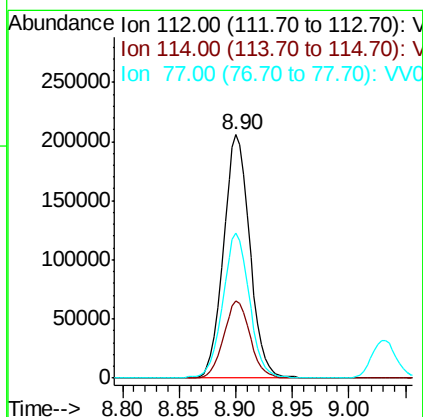
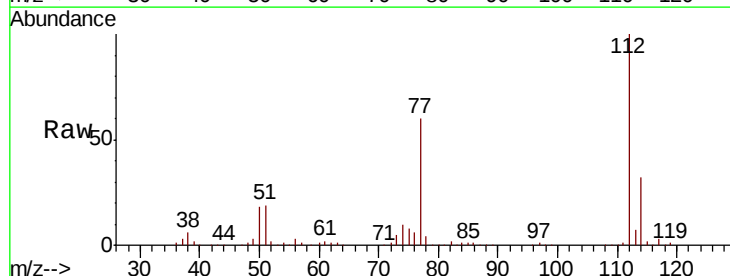
Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

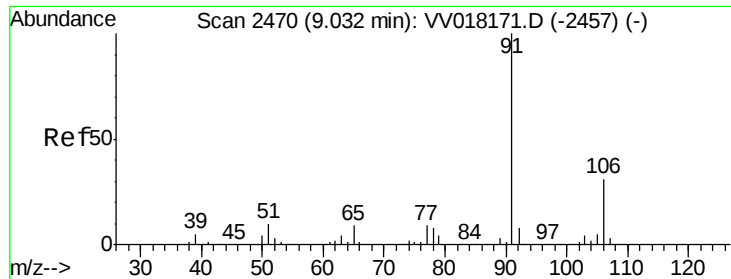
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.1	122.8
188	3.9	3.2	4.8



#51
Chlorobenzene
Concen: 55.887 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.6	42.0
77	59.8	48.0	72.0





#52

Ethylbenzene

Concen: 56.073 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

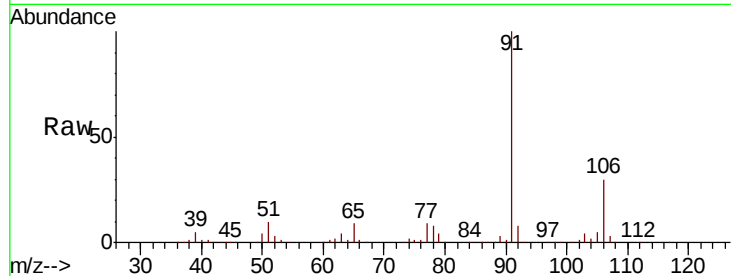
VSTD05098

Tot Ion: 91 Resp: 562766

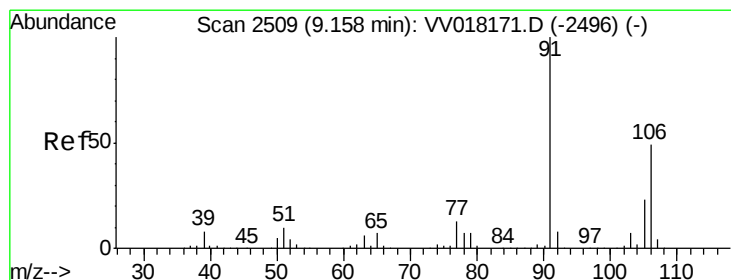
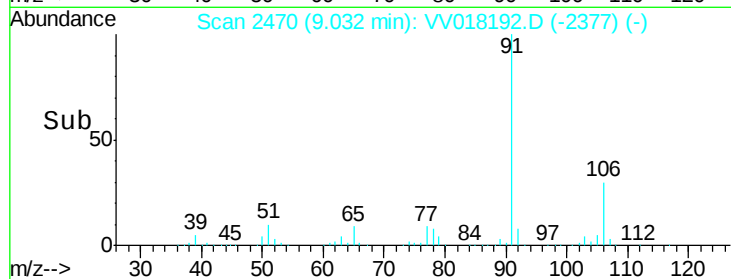
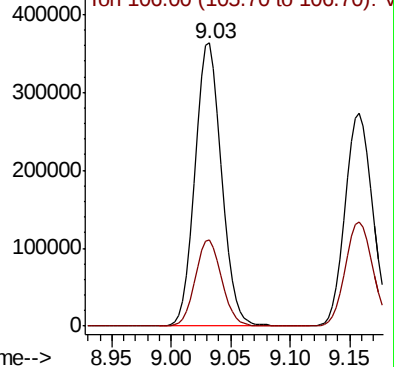
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018192.D (-2377) (-)



#53

m,p-Xylene

Concen: 57.654 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018192.D

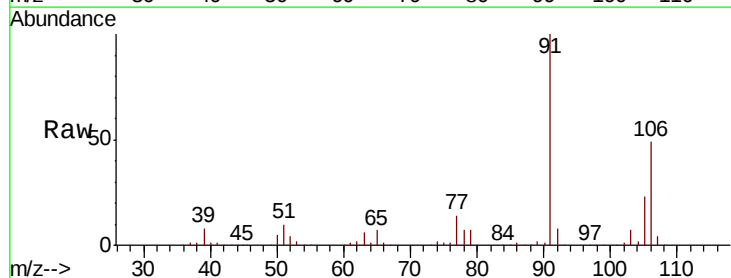
Acq: 11 Sep 2020 11:52

Tgt Ion: 106 Resp: 215976

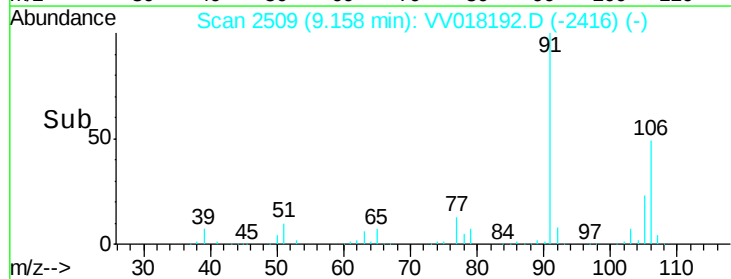
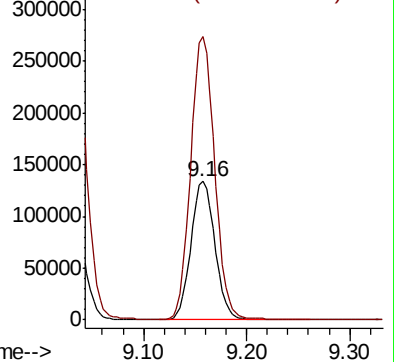
Ion Ratio Lower Upper

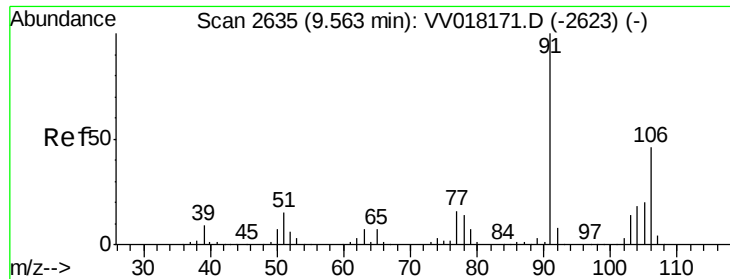
106 100

91 204.5 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018192.D (-2416) (-)

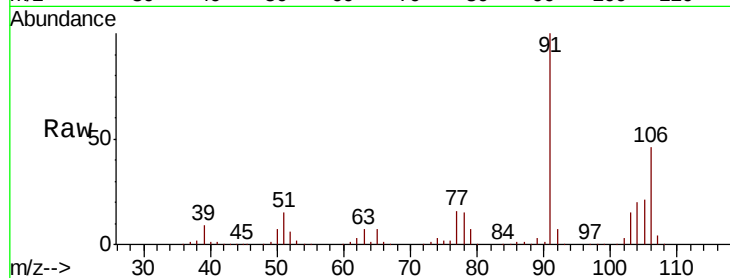




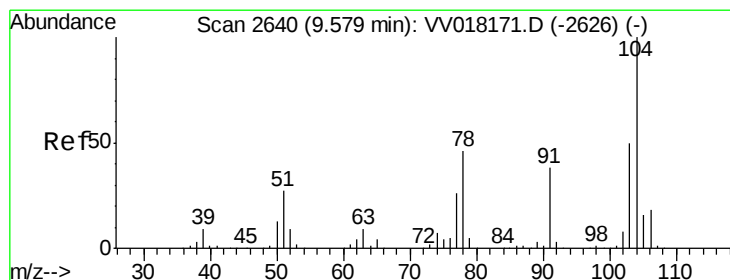
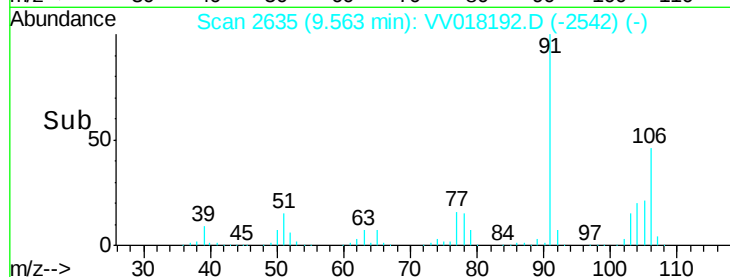
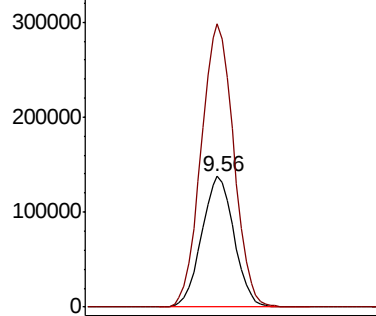
#54
o-xylene
Concen: 57.410 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Tot Ion:106 Resp: 207189
Ion Ratio Lower Upper
106 100
91 216.8 152.2 282.6

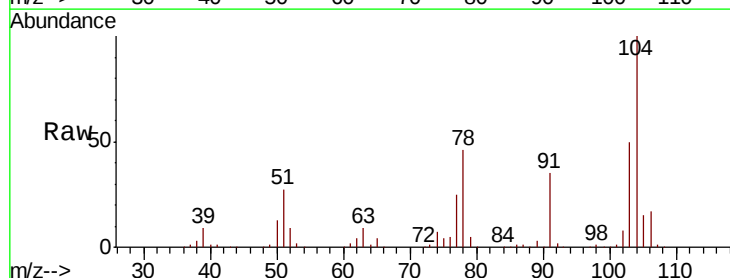


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

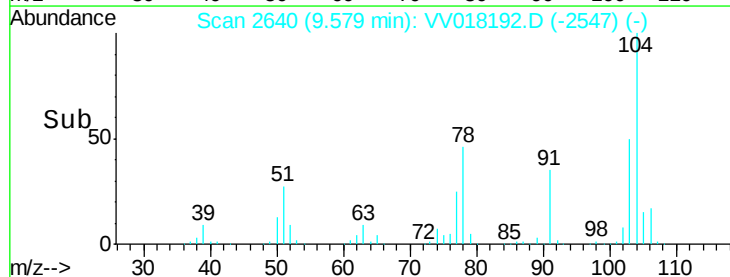
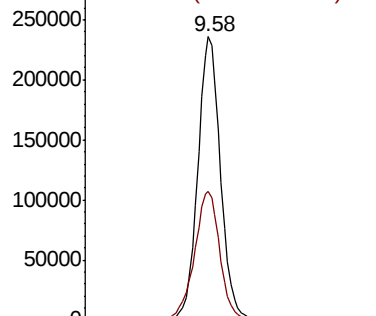


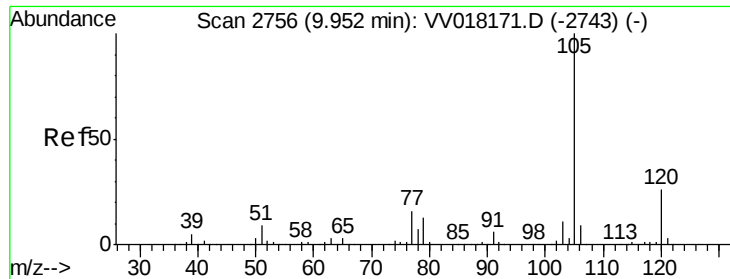
#55
Styrene
Concen: 59.173 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018192.D
Acq: 11 Sep 2020 11:52

Tgt Ion:104 Resp: 371177
Ion Ratio Lower Upper
104 100
78 45.5 31.4 58.2



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





#56

Isopropylbenzene

Concen: 56.833 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleID :

VSTD05098

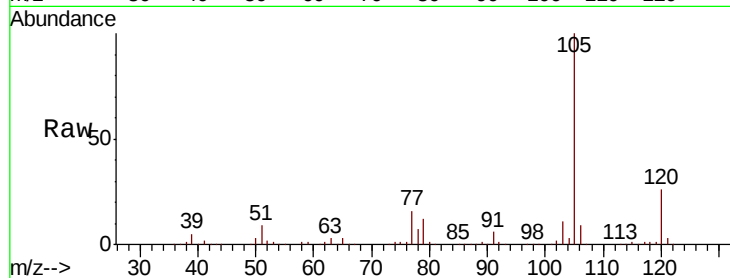
Tot Ion:105 Resp: 552774

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

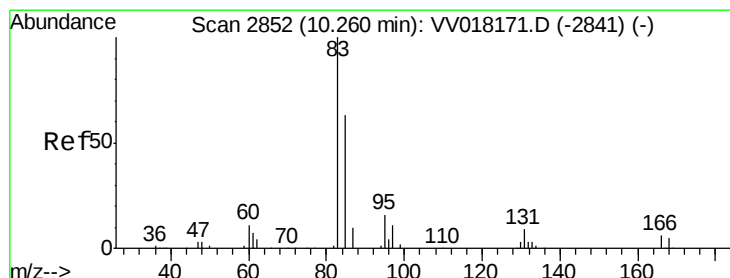
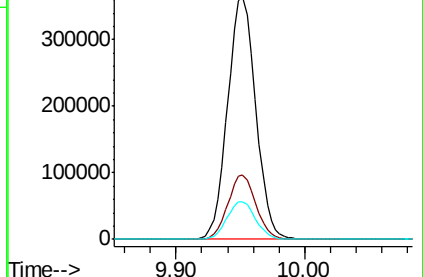
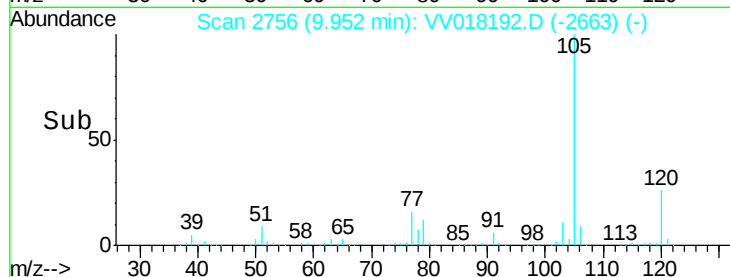
77 15.9 12.5 18.7



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: 58.228 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

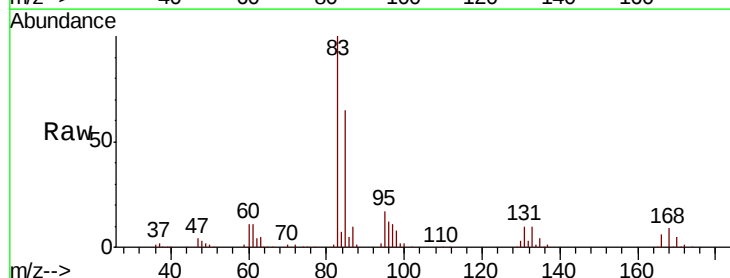
Tgt Ion: 83 Resp: 183767

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2

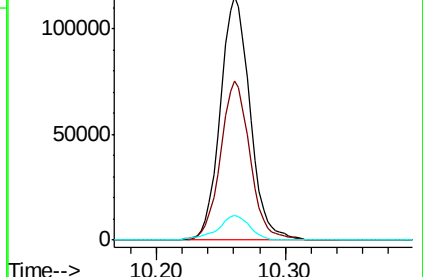
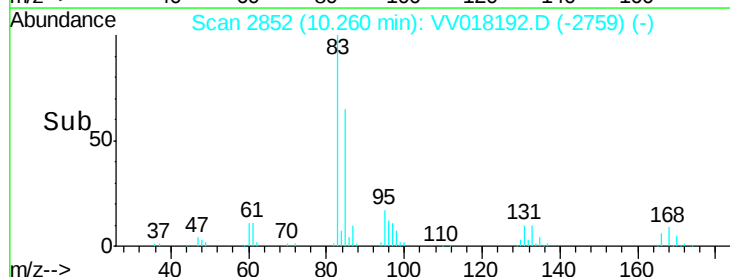
131 10.1 8.0 12.0

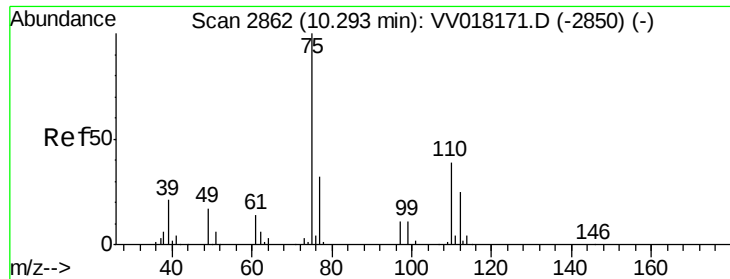


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 57.206 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

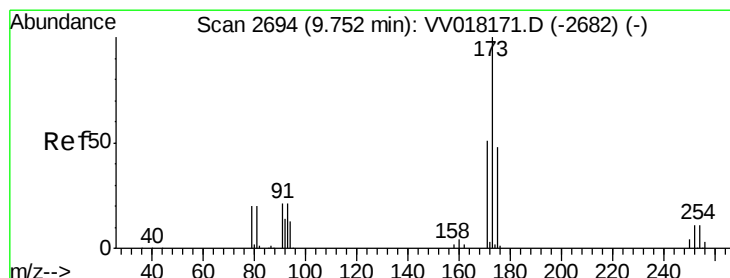
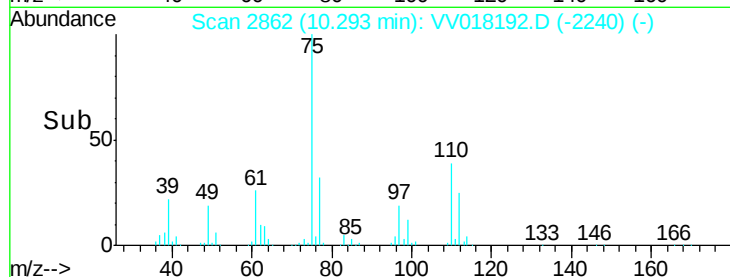
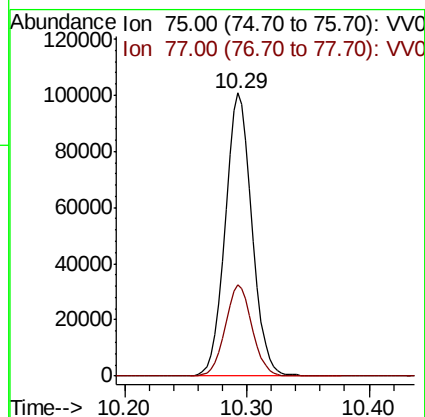
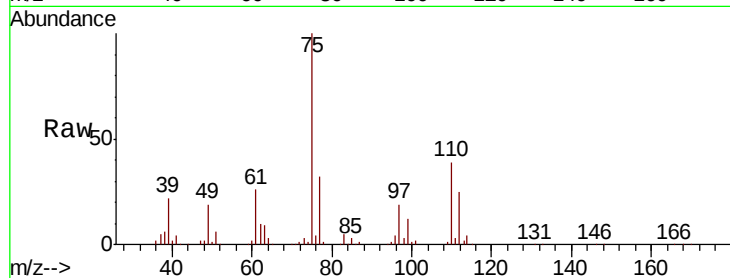
VSTD05098

Tot Ion: 75 Resp: 154877

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#61

Bromoform

Concen: 55.113 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

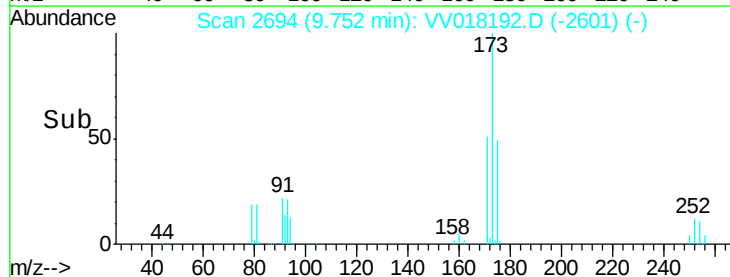
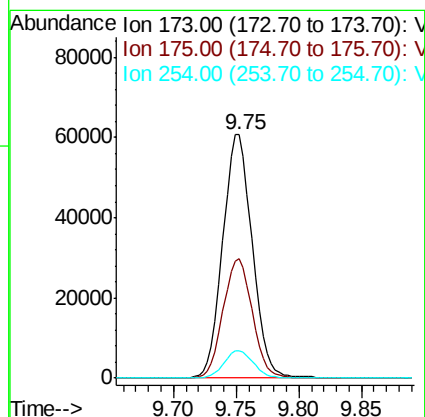
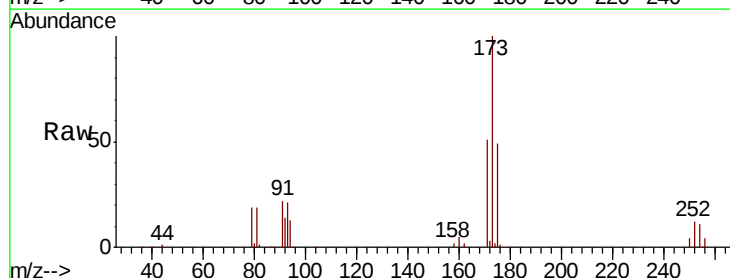
Tgt Ion: 173 Resp: 99307

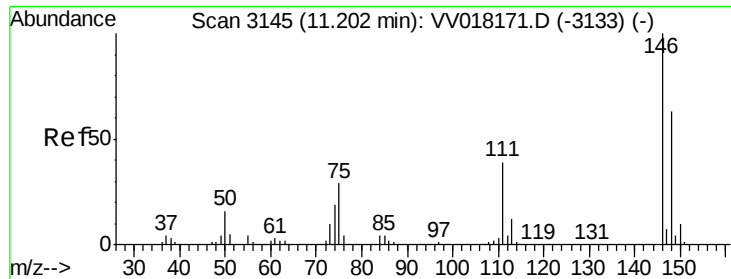
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.6

254 11.2 9.0 13.4





#62

1,3-Dichlorobenzene

Concen: 56.252 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

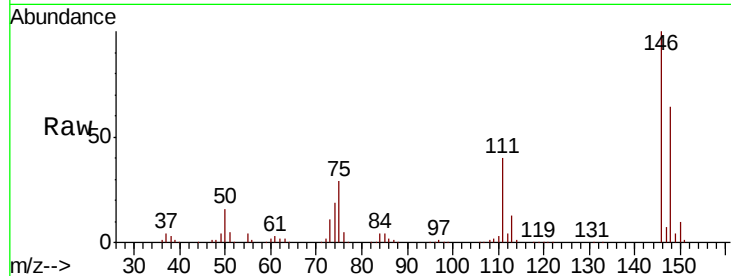
Tot Ion:146 Resp: 280557

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.2

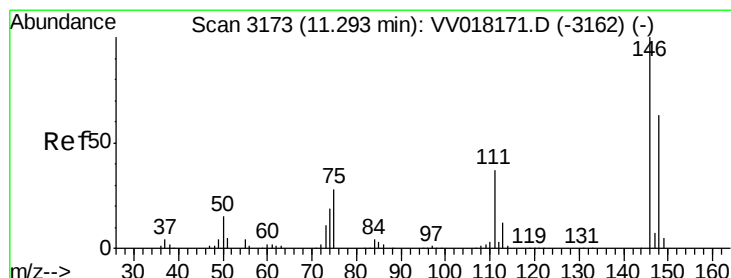
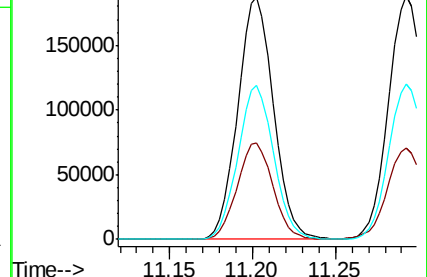
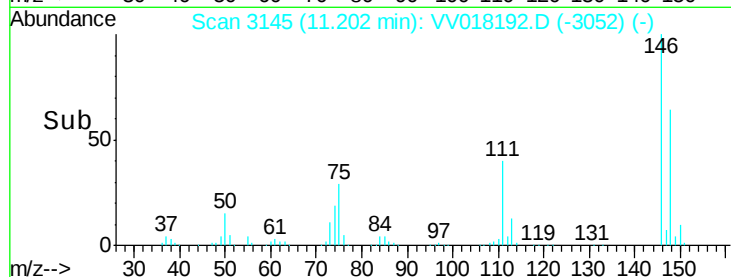
148 63.5 45.4 84.2



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



#63

1,4-Dichlorobenzene

Concen: 55.921 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

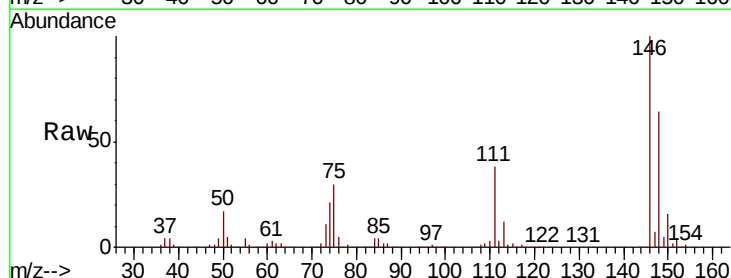
Tgt Ion:146 Resp: 286677

Ion Ratio Lower Upper

146 100

111 37.6 27.1 50.3

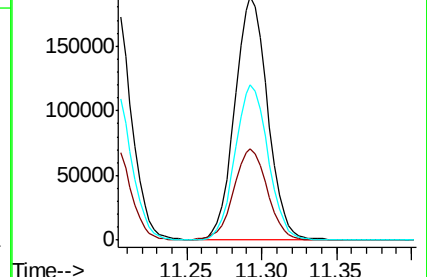
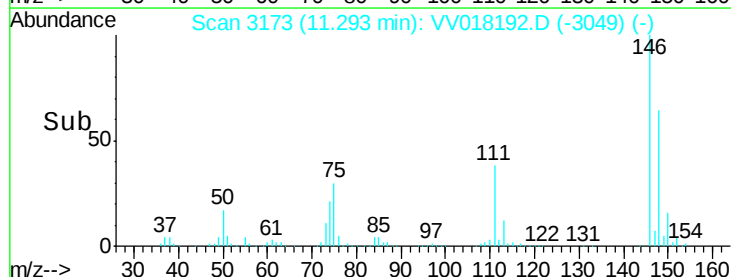
148 63.6 45.4 84.2

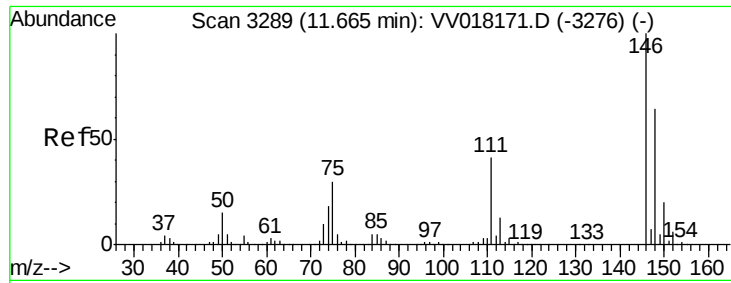


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 55.973 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

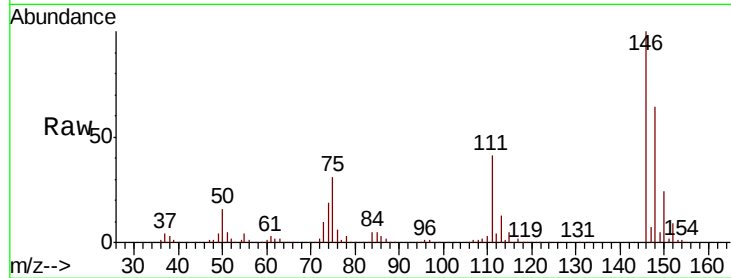
Tot Ion:146 Resp: 282173

Ion Ratio Lower Upper

146 100

111 41.4 32.8 49.2

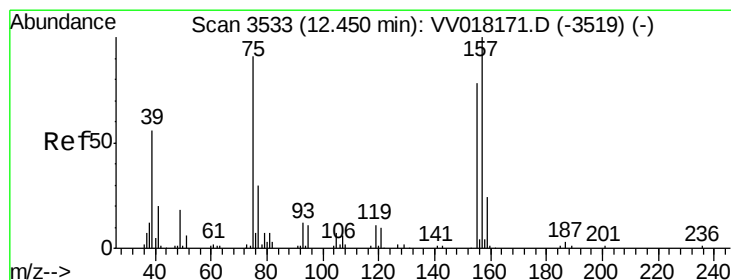
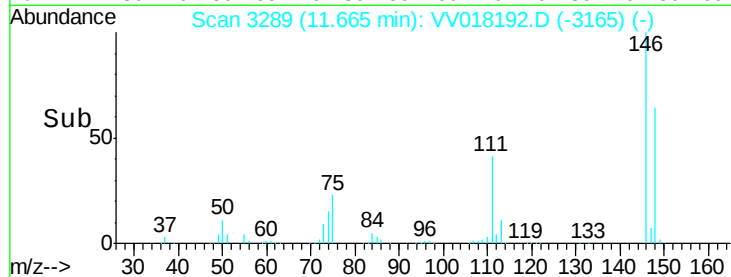
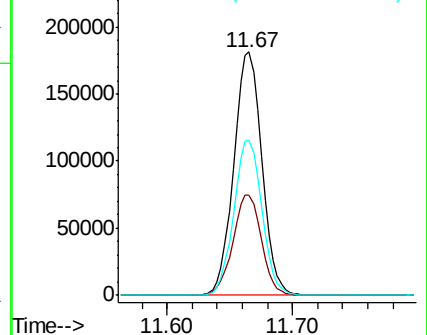
148 64.0 50.7 76.1



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: 56.713 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

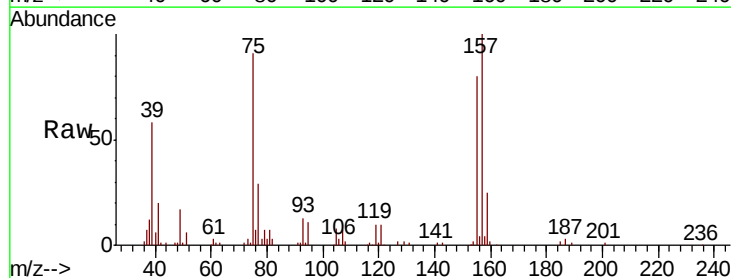
Tgt Ion: 75 Resp: 40345

Ion Ratio Lower Upper

75 100

155 87.8 69.7 104.5

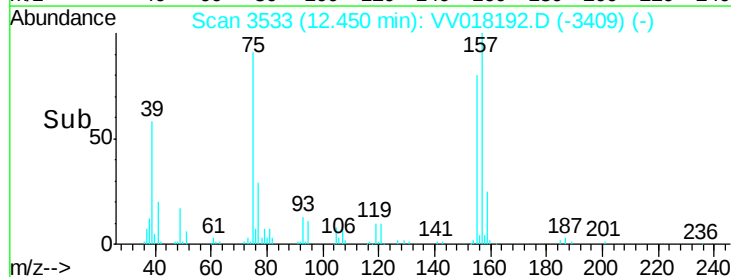
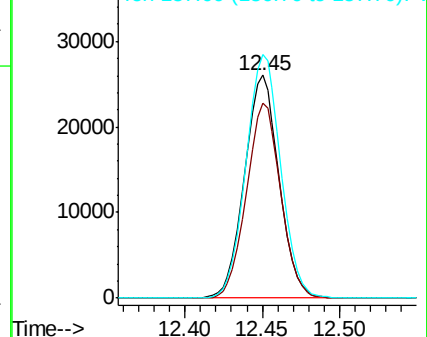
157 109.3 88.2 132.4

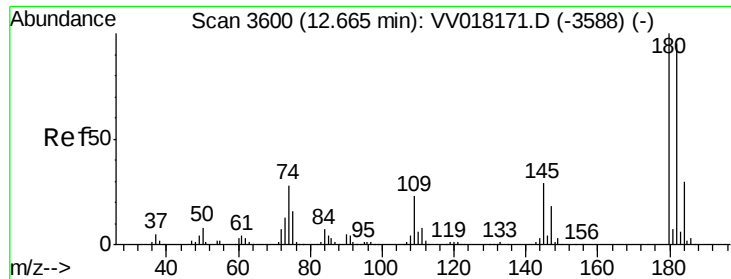


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

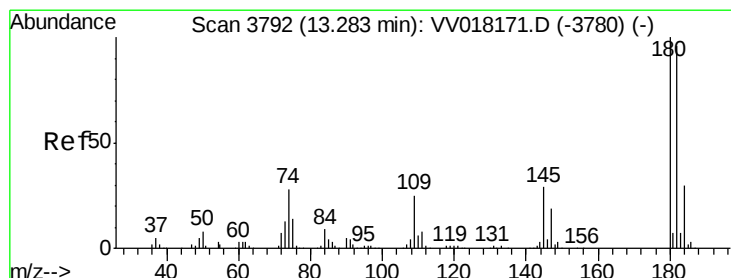
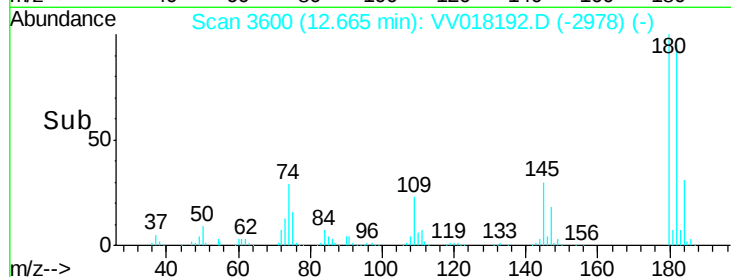
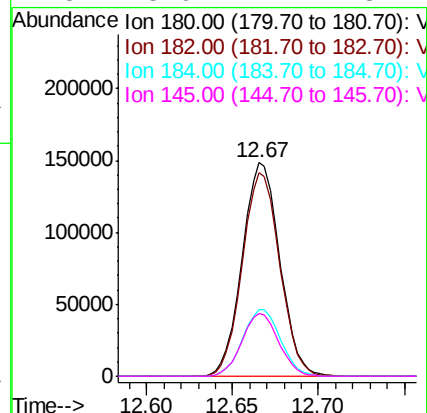
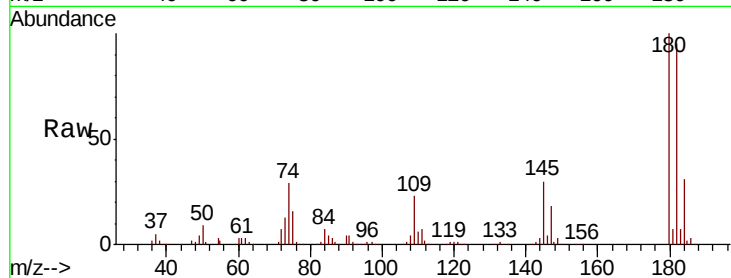




#67
 1,3,5-Trichlorobenzene
 Concen: 57.448 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

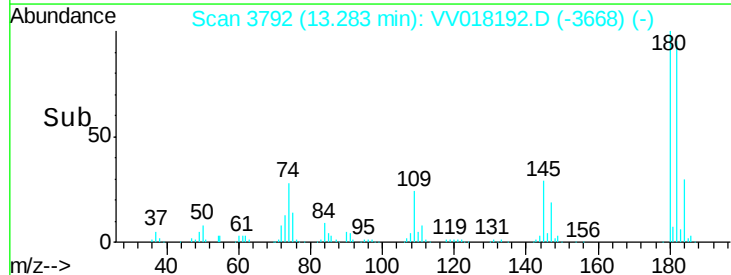
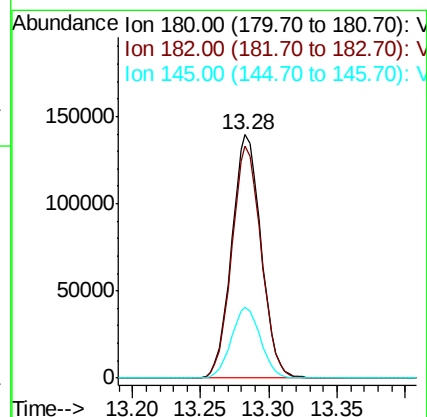
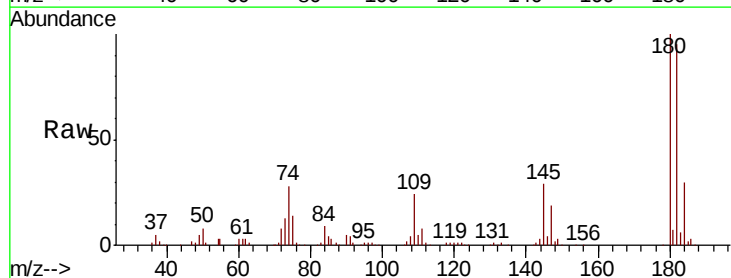
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

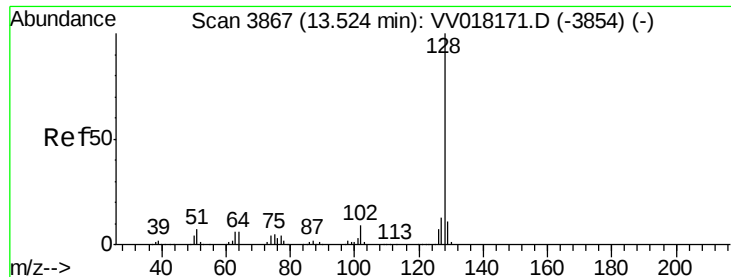
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
184	31.3	24.6	36.8
145	28.9	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 59.718 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018192.D
 Acq: 11 Sep 2020 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
145	29.0	23.2	34.8





#69

Naphthalene

Concen: 63.469 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05098

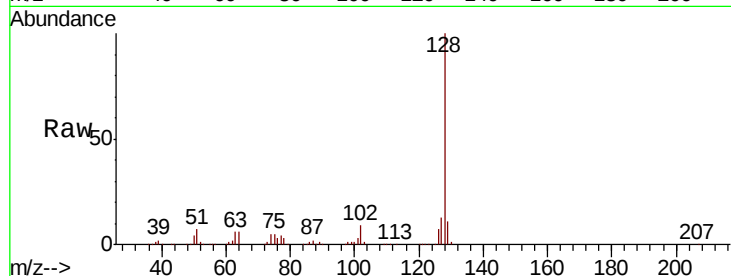
Tot Ion:128 Resp: 562311

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

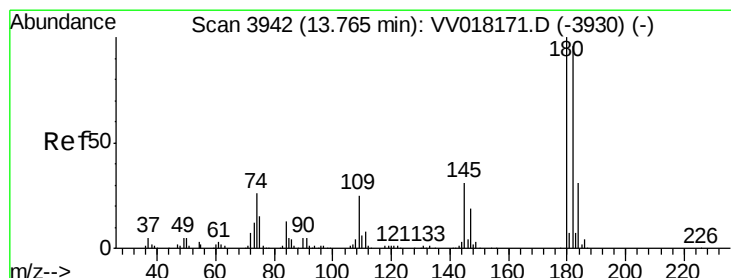
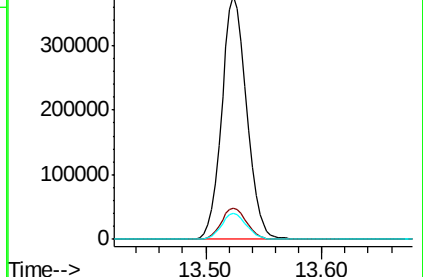
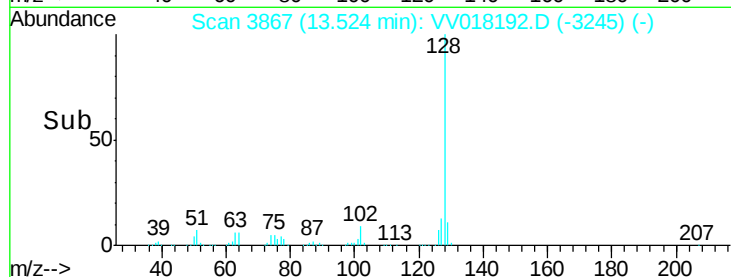
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 60.494 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018192.D

Acq: 11 Sep 2020 11:52

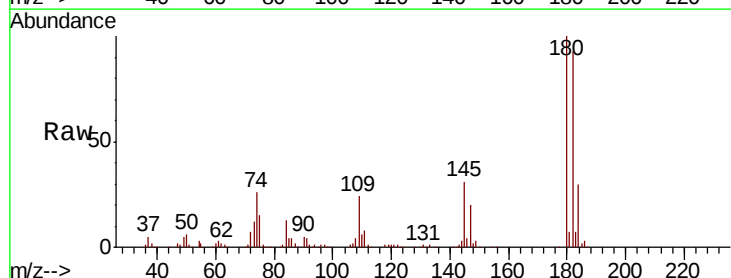
Tgt Ion:180 Resp: 208620

Ion Ratio Lower Upper

180 100

182 94.5 76.5 114.7

145 31.3 24.9 37.3



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

