

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091420\
 Data File : VV018200.D
 Acq On : 14 Sep 2020 13:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Sep 15 05:25:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 05:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287010	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	289356	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161618	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93959	40.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.34%
7) Chloroethane-d5	1.58	69	87162	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	2.12	63	196610	45.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.64%
21) 2-Butanone-d5	3.91	46	152239	106.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.34%
24) Chloroform-d	4.37	84	206651	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
26) 1,2-Dichloroethane-d4	5.05	65	133213	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.42%
32) Benzene-d6	5.07	84	394652	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
36) 1,2-Dichloropropane-d6	6.09	67	126639	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.33	98	365547	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%
43) trans-1,3-Dichloropropene-	7.64	79	66555	49.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.52%
47) 2-Hexanone-d5	8.10	63	118986	119.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.35%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	183375	55.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	158841	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	108092	51.648	ug/L 99
3) Chloromethane	1.25	50	119396	52.246	ug/L 100
5) Vinyl chloride	1.32	62	119010	50.784	ug/L 100
6) Bromomethane	1.53	94	75724	52.867	ug/L 99
8) Chloroethane	1.60	64	76295	51.972	ug/L 100
9) Trichlorofluoromethane	1.77	101	168447	52.243	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103591	53.487	ug/L 100
12) 1,1-Dichloroethene	2.13	96	97104	51.528	ug/L 99
13) Acetone	2.20	43	91597	79.899	ug/L 100
14) Carbon disulfide	2.31	76	291351	50.525	ug/L 100
15) Methyl Acetate	2.45	43	111533	54.136	ug/L 98
16) Methylene chloride	2.52	84	112445	53.204	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	100784	51.894	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	323840	53.904	ug/L 100
19) 1,1-Dichloroethane	3.21	63	193969	52.824	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	109655	52.818	ug/L 99
22) 2-Butanone	3.99	43	134635	99.177	ug/L 100

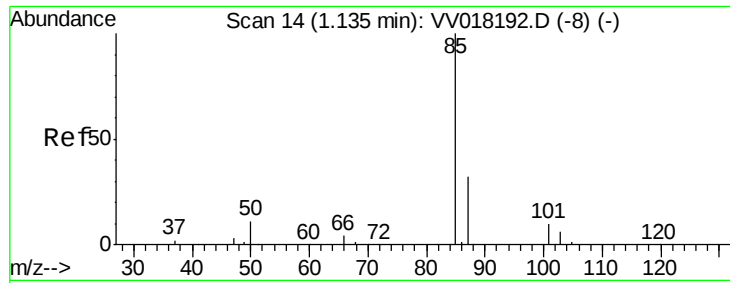
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 QLast Update : Tue Sep 15 05:15:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	59251	54.548	uq/L	98
25) Chloroform	4.40	83	196241	52.575	uq/L	99
27) 1,2-Dichloroethane	5.15	62	156738	54.243	uq/L	100
29) Cyclohexane	4.70	56	170958	51.165	uq/L	100
30) 1,1,1-Trichloroethane	4.63	97	170022	50.631	uq/L	99
31) Carbon tetrachloride	4.85	117	149731	50.708	uq/L	97
33) Benzene	5.12	78	433448	52.393	uq/L	100
34) Trichloroethene	5.94	95	108153	47.990	uq/L	98
35) Methylcyclohexane	6.15	83	173937	51.260	uq/L	99
37) 1,2-Dichloropropane	6.19	63	114515	52.236	uq/L	99
38) Bromodichloromethane	6.53	83	150457	52.739	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	179871	53.252	uq/L	99
40) 4-Methyl-2-pentanone	7.24	43	294126	110.592	uq/L	100
42) Toluene	7.41	91	465981	53.224	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	178827	54.375	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	108372	53.334	uq/L	98
46) Tetrachloroethene	7.99	164	91542	51.805	uq/L	99
48) 2-Hexanone	8.15	43	210070	100.188	uq/L	98
49) Dibromochloromethane	8.26	129	123506	54.150	uq/L	99
50) 1,2-Dibromoethane	8.37	107	115655	54.082	uq/L	99
51) Chlorobenzene	8.90	112	299533	52.681	uq/L	99
52) Ethylbenzene	9.03	91	508879	53.239	uq/L	100
53) m,p-Xylene	9.16	106	193863	54.338	uq/L	96
54) o-xylene	9.56	106	186100	54.144	uq/L	99
55) Styrene	9.58	104	338252	56.620	uq/L	99
56) Isopropylbenzene	9.95	105	494488	53.381	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	178321	59.327	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	140447	54.469	uq/L	100
61) Bromoform	9.75	173	92327	53.176	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	253873	52.826	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	259071	52.446	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	251974	51.872	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	38289	55.857	uq/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	193406	51.048	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	180347	53.455	uq/L	99
69) Naphthalene	13.52	128	526309	61.651	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	184362	55.481	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 51.648 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

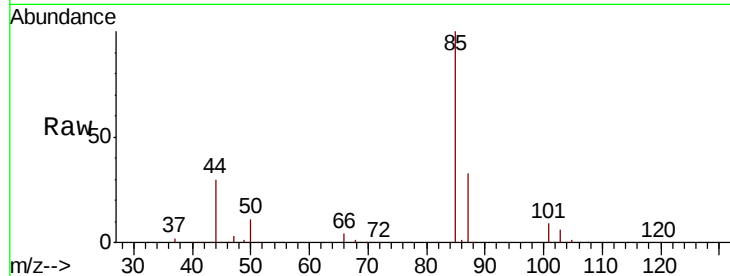
VSTD05068

Tot Ion: 85 Resp: 108092

Ion Ratio Lower Upper

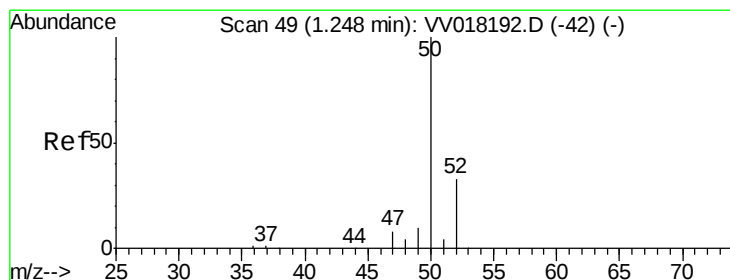
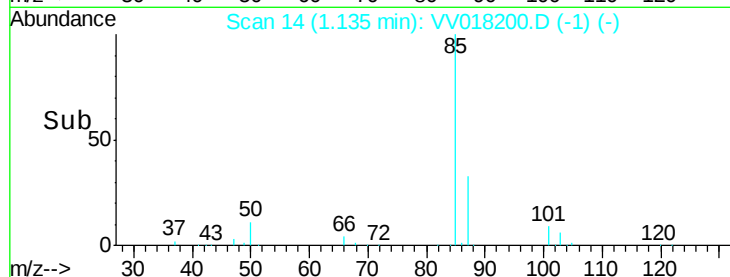
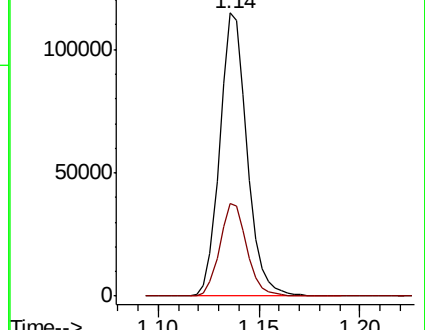
85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018200.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018200.D (-1) (-)



#3

Chloromethane

Concen: 52.246 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018200.D

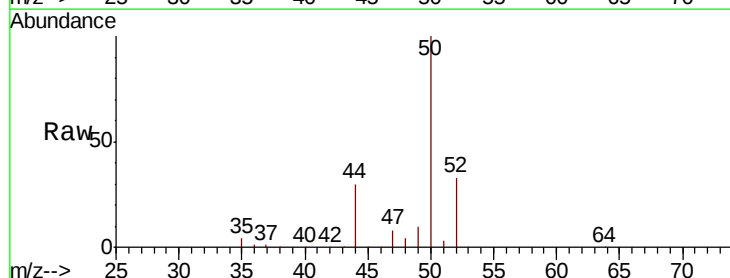
Acq: 14 Sep 2020 13:30

Tgt Ion: 50 Resp: 119396

Ion Ratio Lower Upper

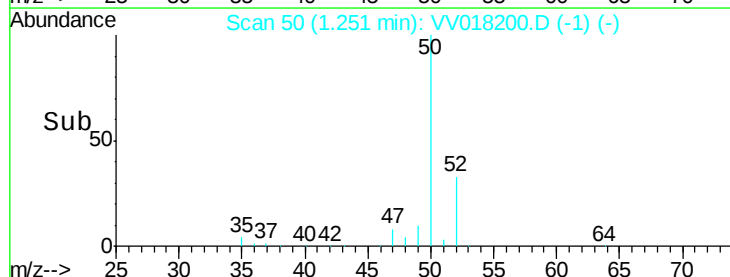
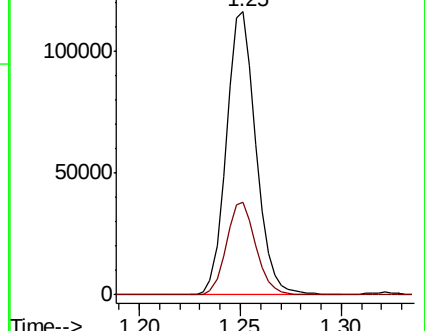
50 100

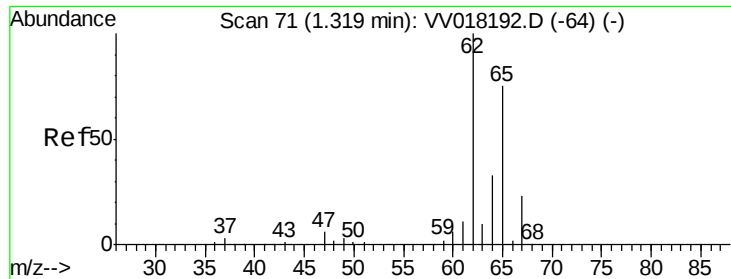
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018200.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018200.D (-1) (-)





#5

Vinyl chloride

Concen: 50.784 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

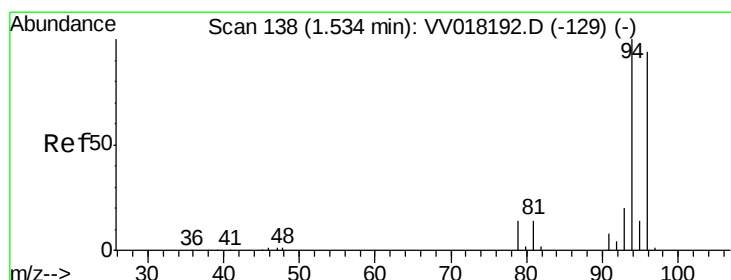
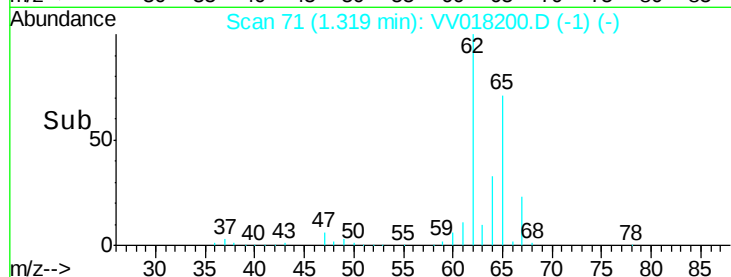
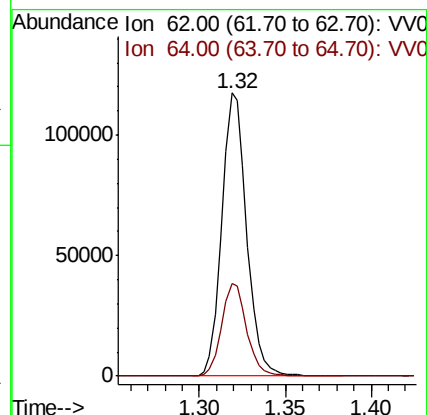
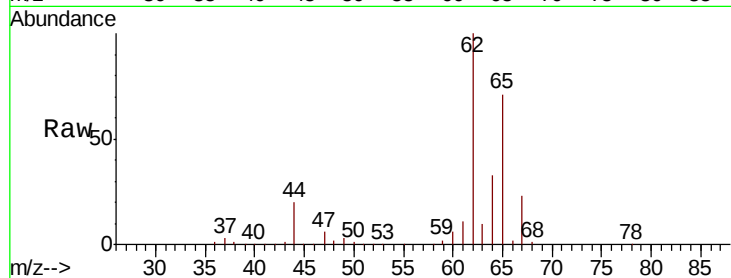
VSTD05068

Tot Ion: 62 Resp: 119010

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 52.867 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018200.D

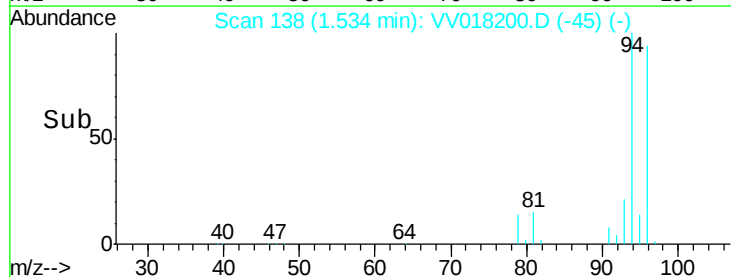
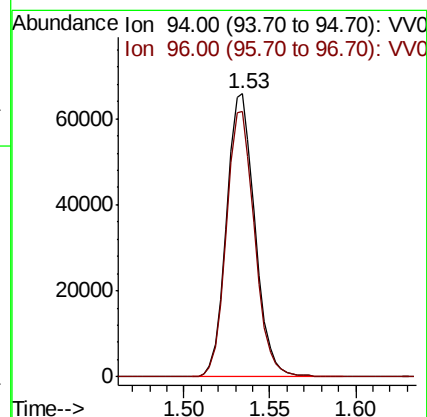
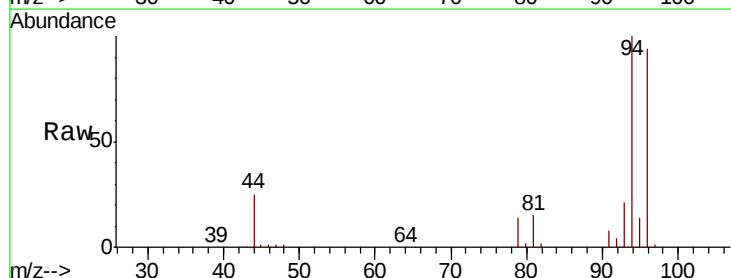
Acq: 14 Sep 2020 13:30

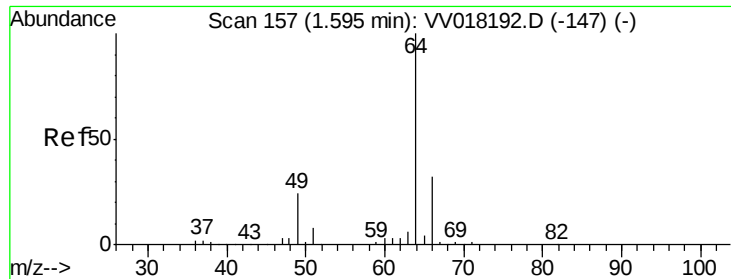
Tgt Ion: 94 Resp: 75724

Ion Ratio Lower Upper

94 100

96 93.8 65.1 120.9

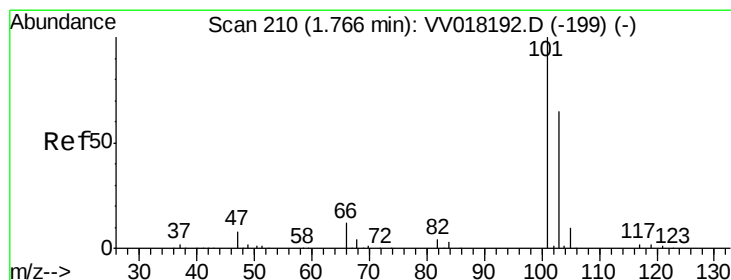
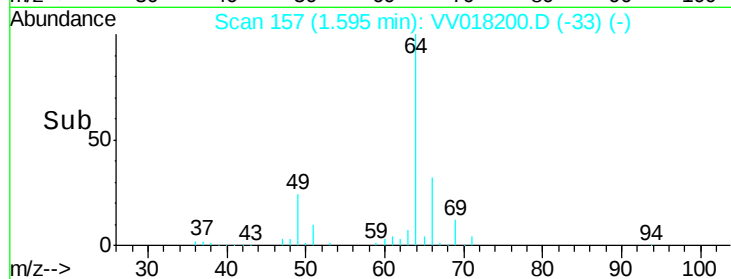
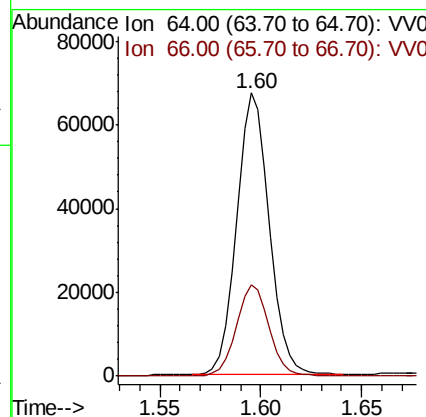
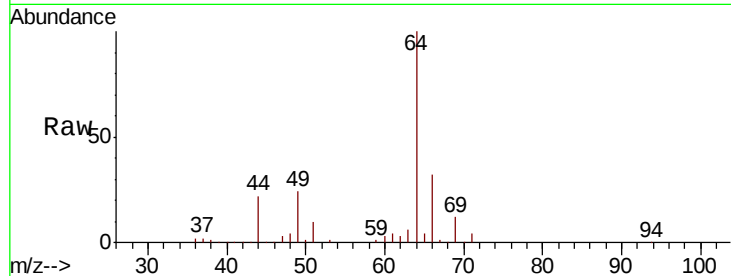




#8
Chloroethane
Concen: 51.972 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

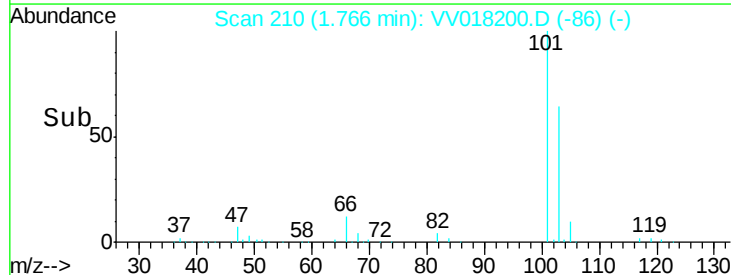
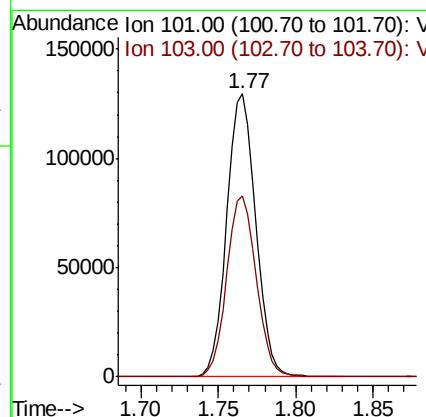
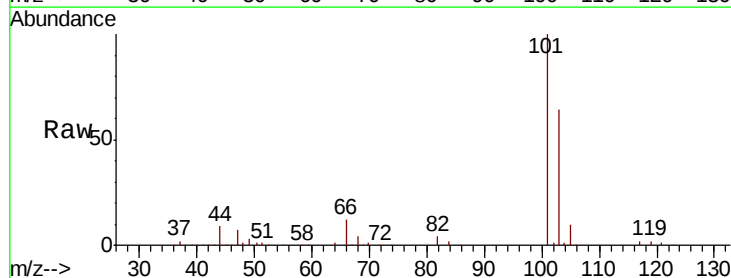
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

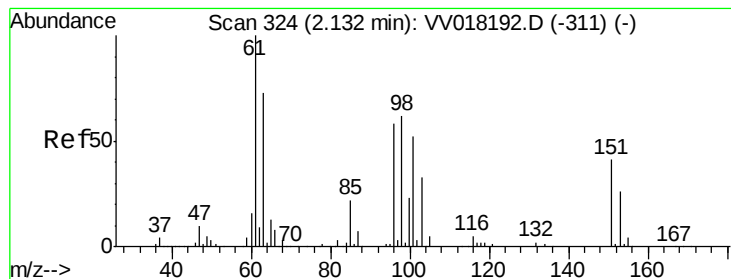
Tot Ion: 64 Resp: 76295
Ion Ratio Lower Upper
64 100
66 32.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 52.243 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Tgt Ion: 101 Resp: 168447
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6





#10

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

Concen: 53.487 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

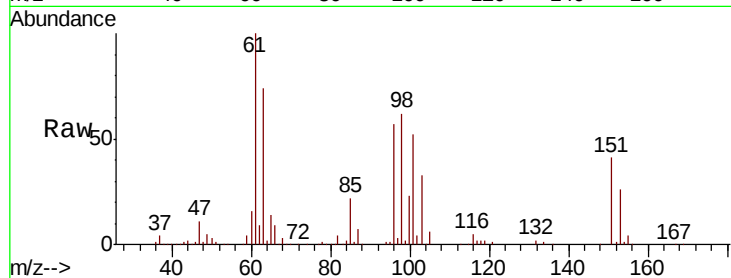
Tot Ion:101 Resp: 103591

Ion Ratio Lower Upper

101 100

85 42.3 33.5 50.3

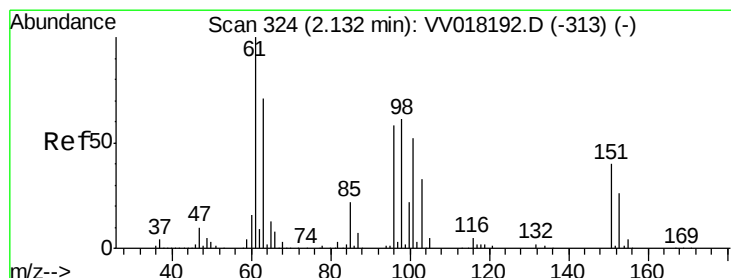
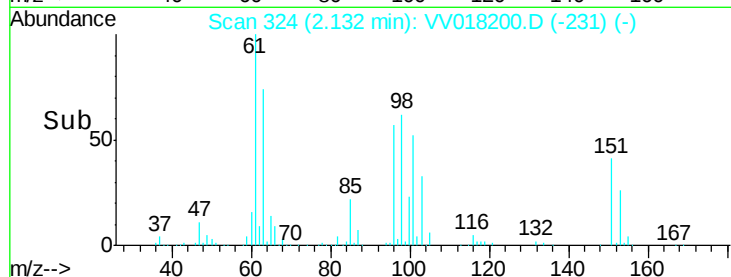
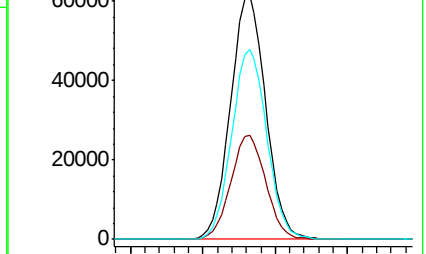
151 77.6 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): VV018192.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018192.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018192.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 51.528 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

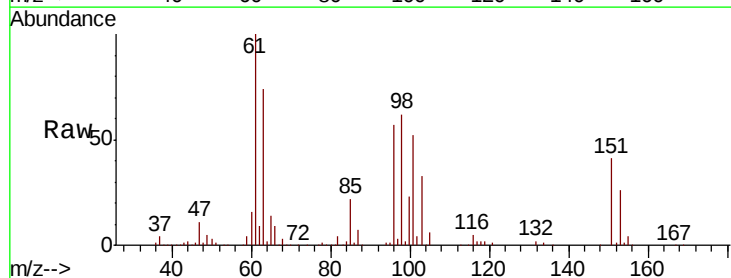
Tgt Ion: 96 Resp: 97104

Ion Ratio Lower Upper

96 100

61 175.1 122.9 228.3

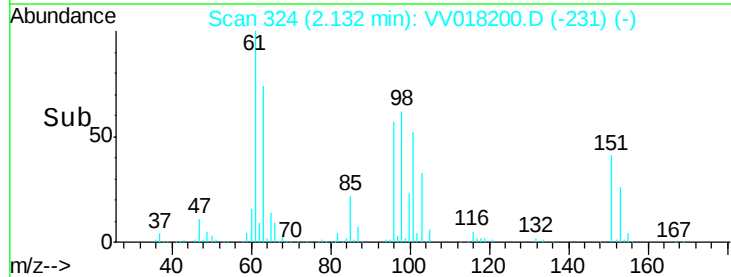
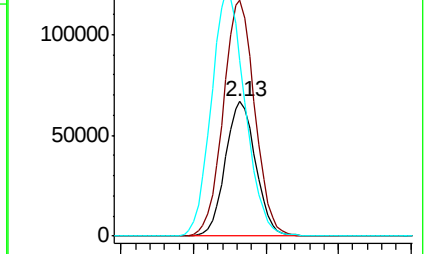
63 130.0 91.9 170.7

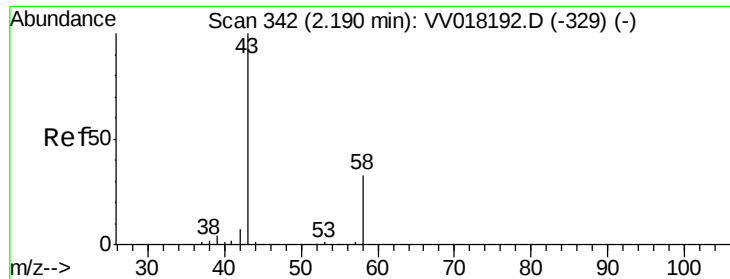


Abundance Ion 96.00 (95.70 to 96.70): VV018192.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018192.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018192.D (-313) (-)





#13

Acetone

Concen: 79.899 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

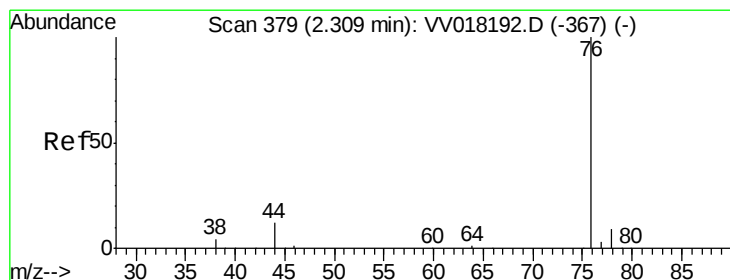
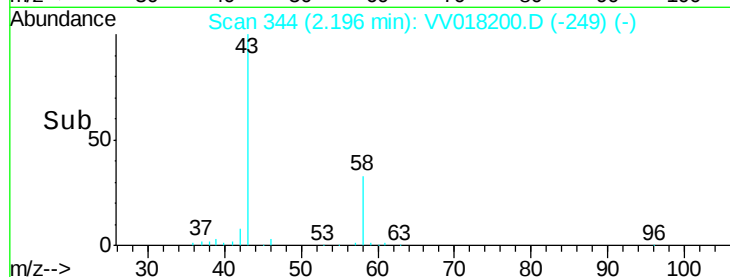
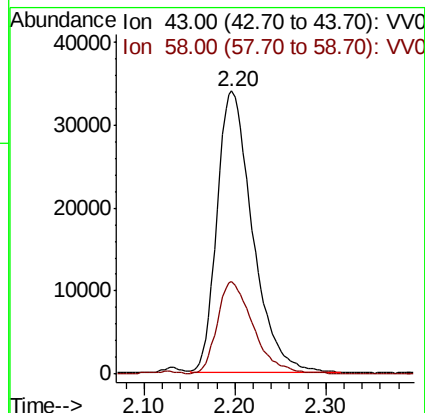
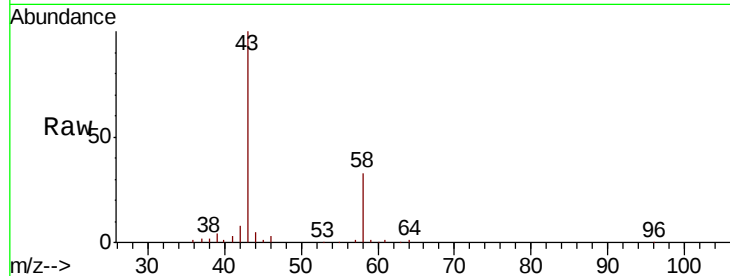
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion: 43 Resp: 91597

Ion Ratio Lower Upper

43 100

58 33.8 0.0 67.4



#14

Carbon disulfide

Concen: 50.525 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018200.D

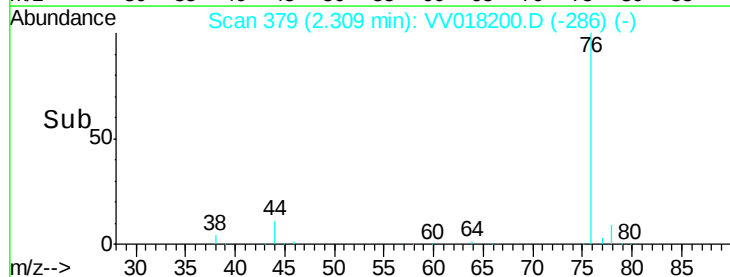
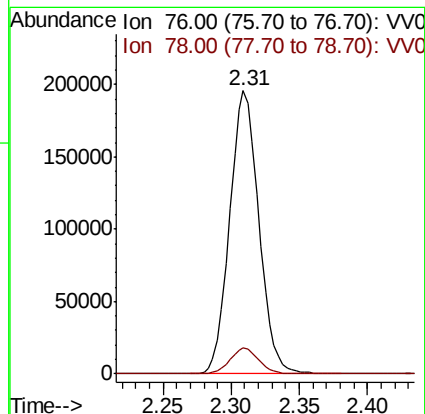
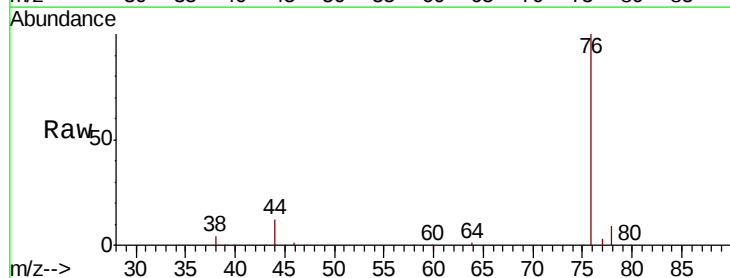
Acq: 14 Sep 2020 13:30

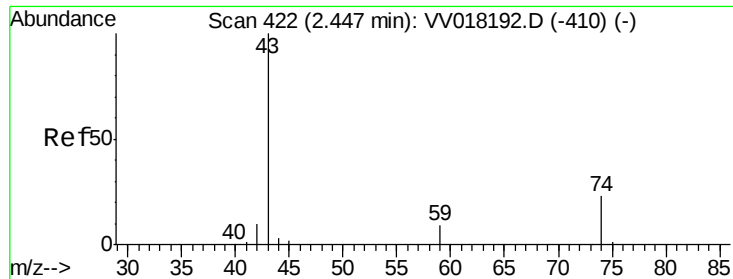
Tgt Ion: 76 Resp: 291351

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

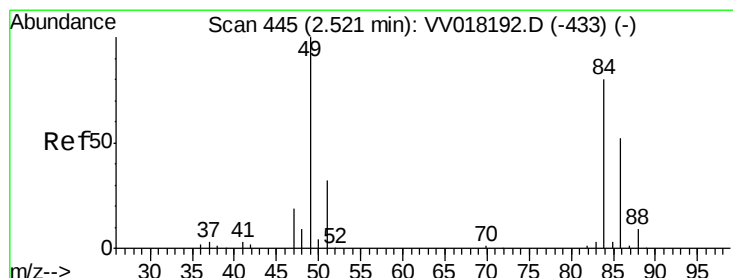
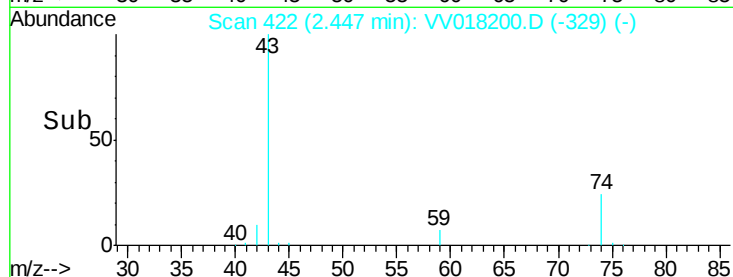
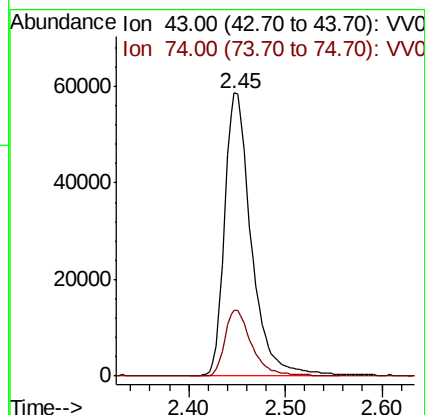
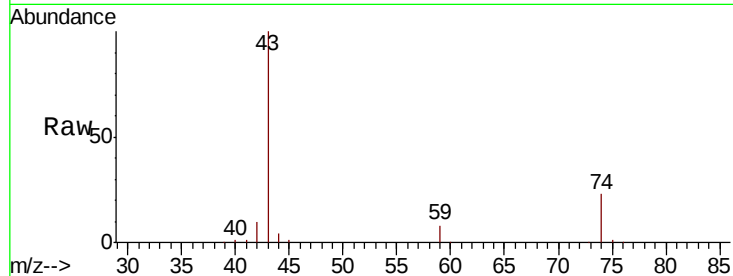




#15
Methvl Acetate
Concen: 54.136 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

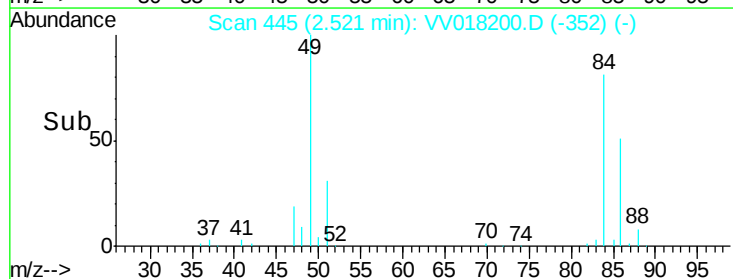
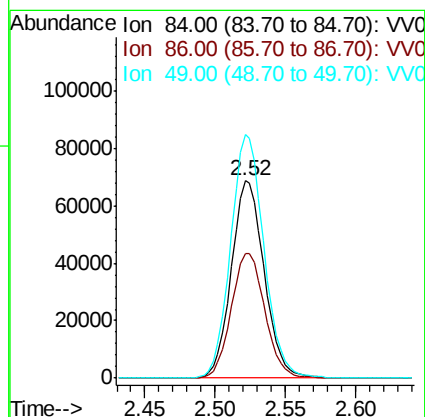
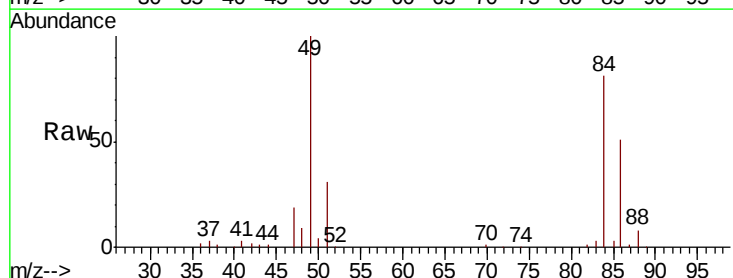
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

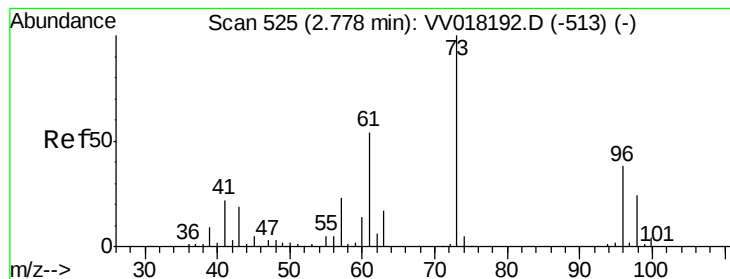
Tot Ion: 43 Resp: 111533
Ion Ratio Lower Upper
43 100
74 23.7 18.4 27.6



#16
Methylene chloride
Concen: 53.204 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Tgt Ion: 84 Resp: 112445
Ion Ratio Lower Upper
84 100
86 63.1 44.4 82.4
49 123.6 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 51.894 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

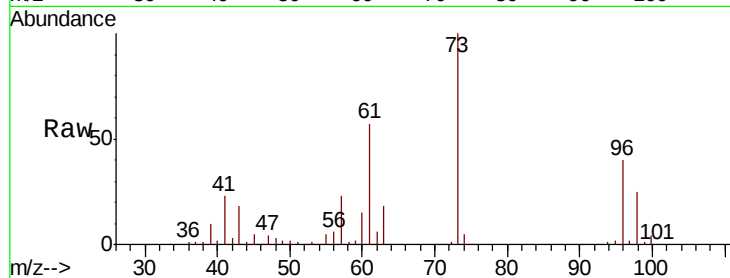
Tot Ion: 96 Resp: 100784

Ion Ratio Lower Upper

96 100

61 143.6 100.7 186.9

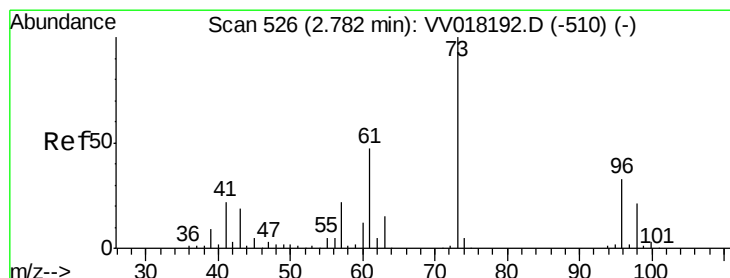
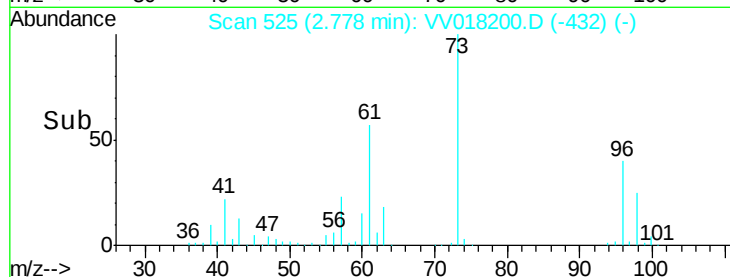
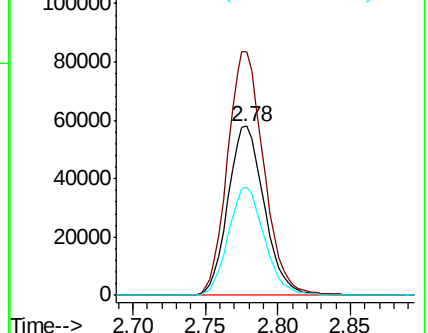
98 64.0 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.904 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

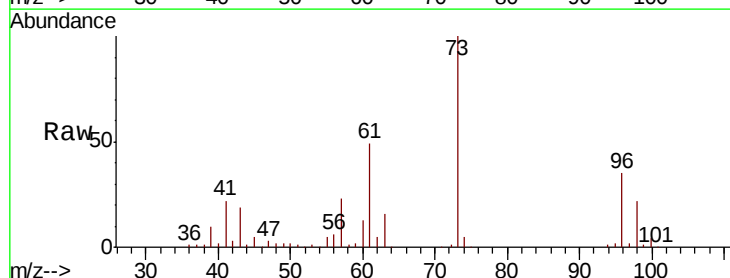
Tgt Ion: 73 Resp: 323840

Ion Ratio Lower Upper

73 100

43 18.9 15.4 23.0

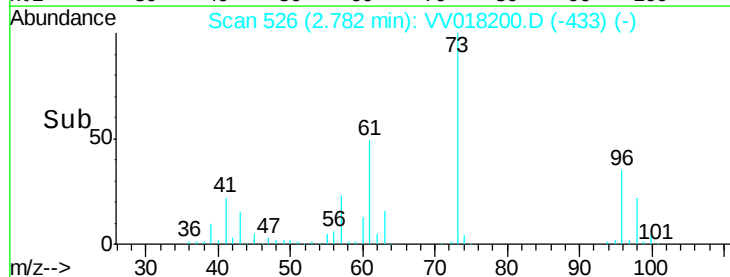
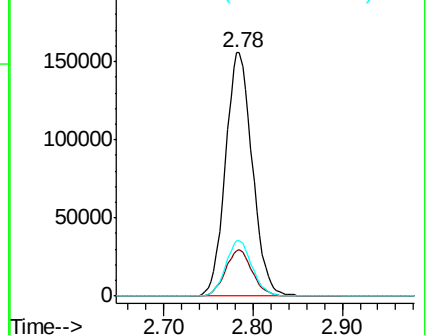
57 22.4 18.0 27.0

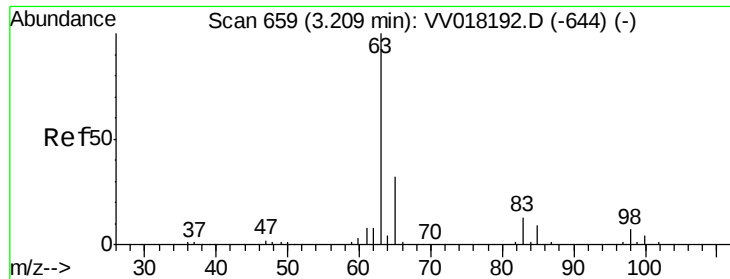


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

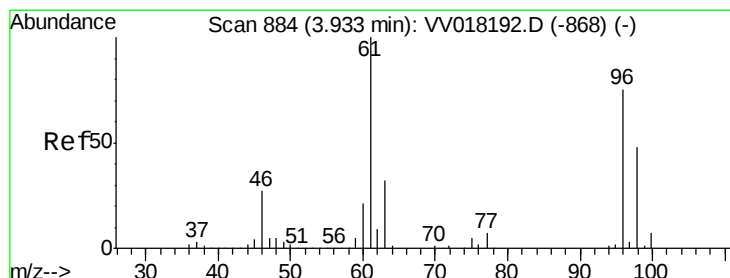
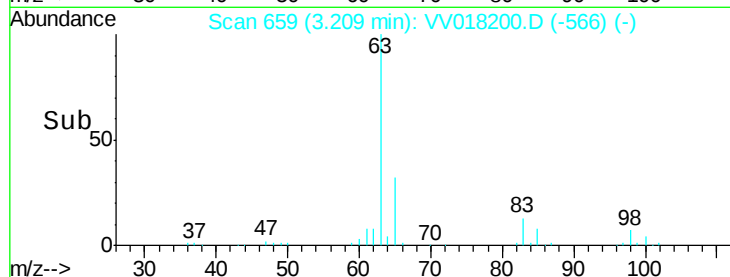
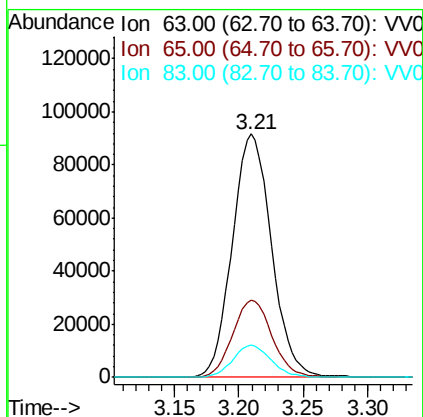
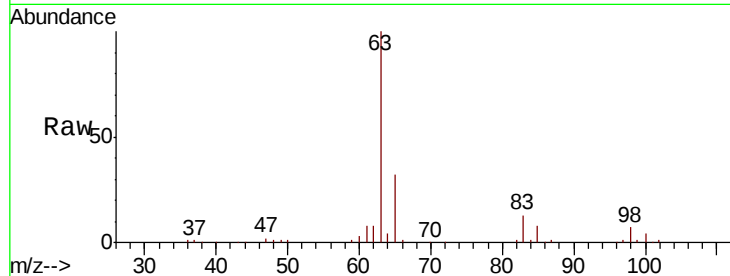




#19
 1,1-Dichloroethane
 Concen: 52.824 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

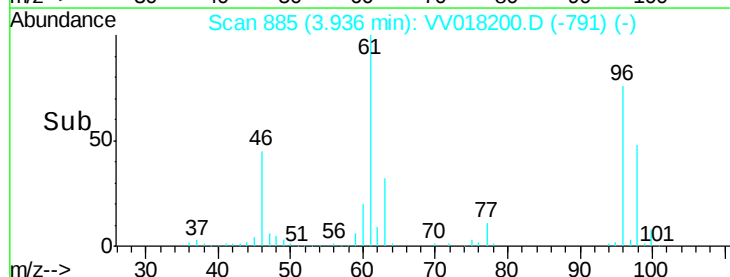
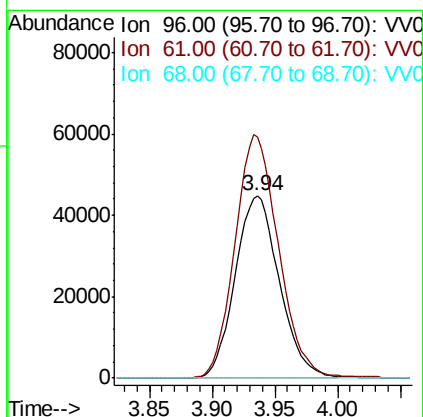
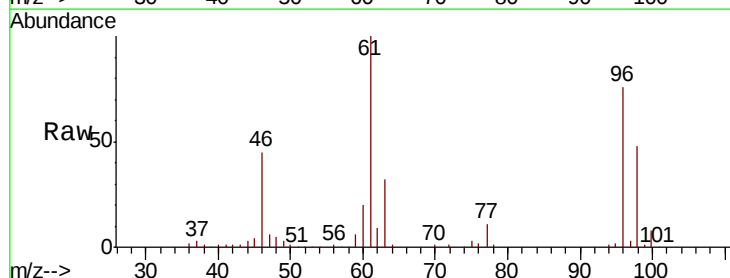
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

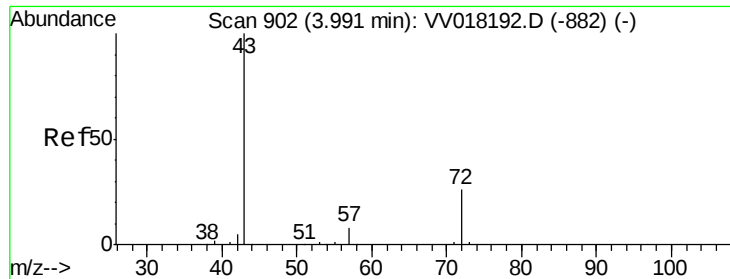
Tot Ion: 63 Resp: 193969
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.818 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

Tgt Ion: 96 Resp: 109655
 Ion Ratio Lower Upper
 96 100
 61 132.4 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.177 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

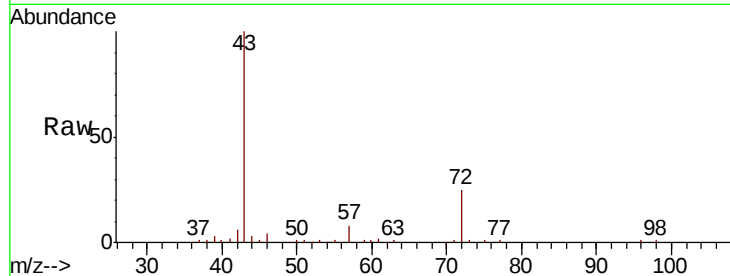
VSTD05068

Tot Ion: 43 Resp: 134635

Ion Ratio Lower Upper

43 100

72 26.1 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018200.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV018200.D (-809) (-)

3.99

40000

30000

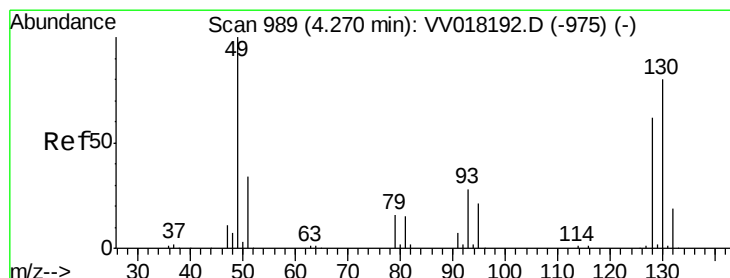
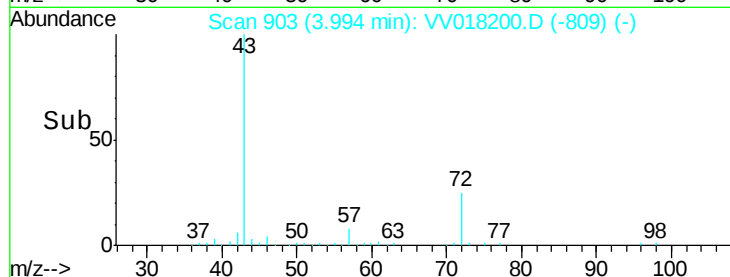
20000

10000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 54.548 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Tgt Ion: 128 Resp: 59251

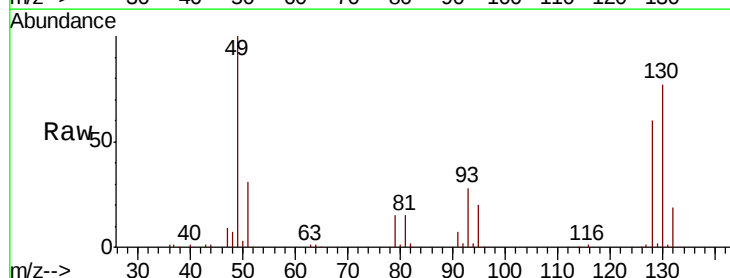
Ion Ratio Lower Upper

128 100

49 166.9 114.4 212.6

130 127.7 87.9 163.3

51 51.4 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018200.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018200.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018200.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018200.D (-896) (-)

4.27

60000

50000

40000

30000

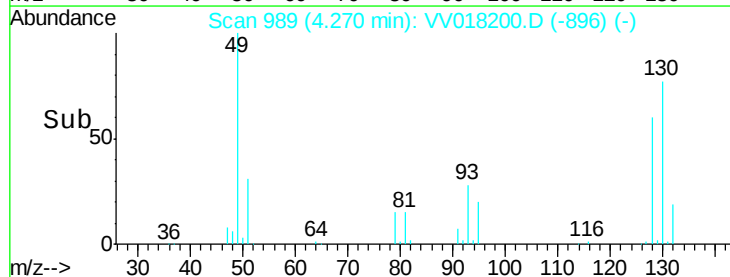
20000

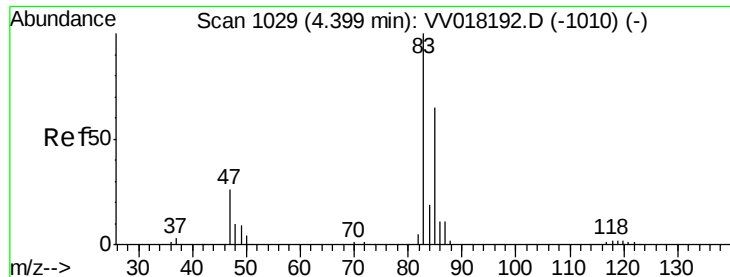
10000

0

Time-->

4.20 4.30 4.40

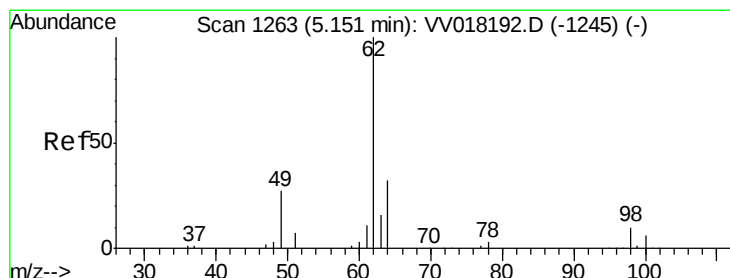
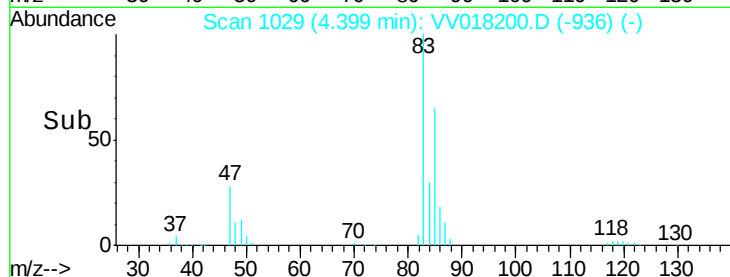
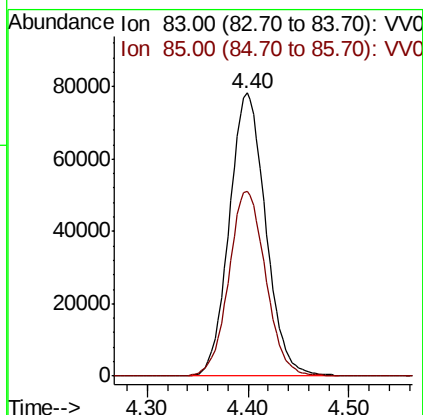
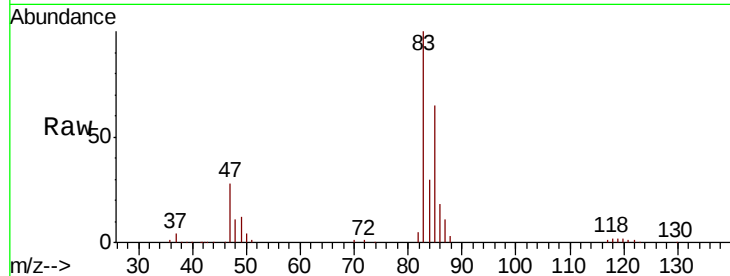




#25
Chloroform
Concen: 52.575 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

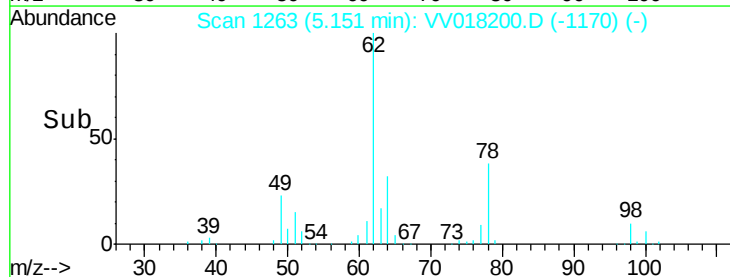
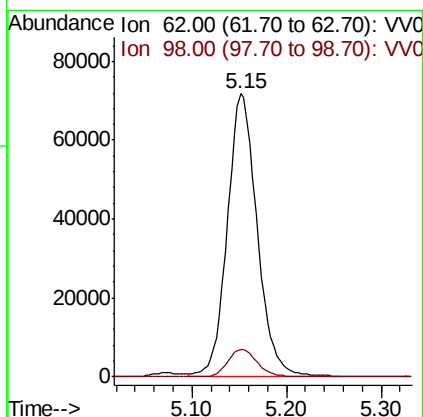
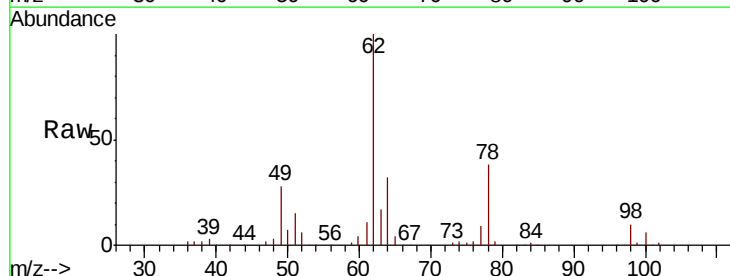
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

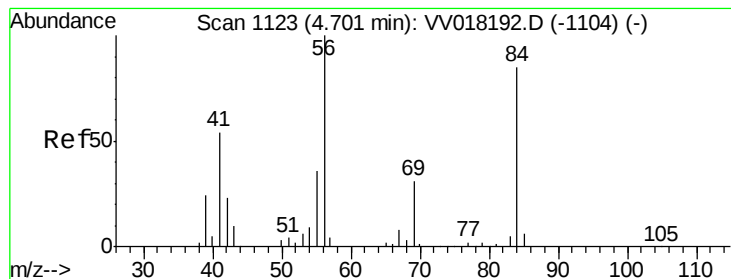
Tot Ion: 83 Resp: 196241
Ion Ratio Lower Upper
83 100
85 65.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 54.243 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Tgt Ion: 62 Resp: 156738
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#29

Cyclohexane

Concen: 51.165 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

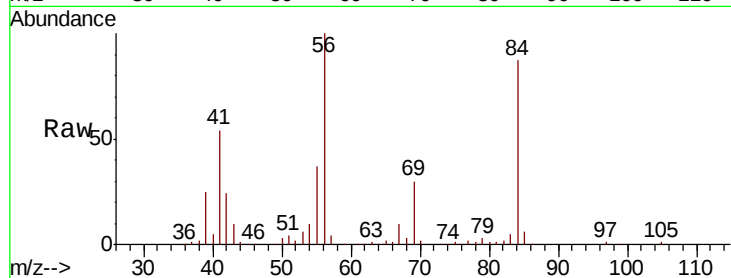
Tot Ion: 56 Resp: 170958

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

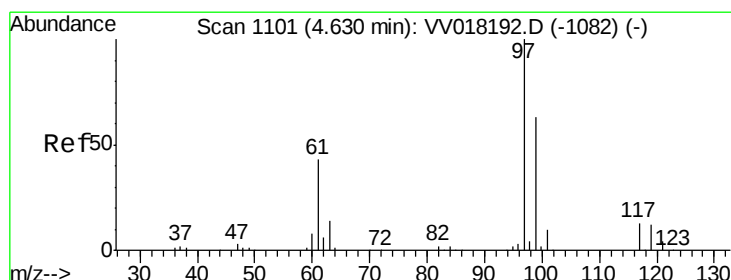
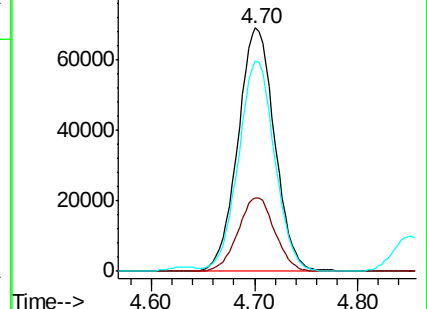
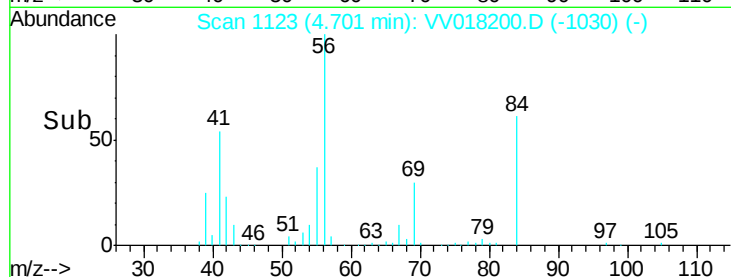
84 85.6 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018200.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV018200.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV018200.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 50.631 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

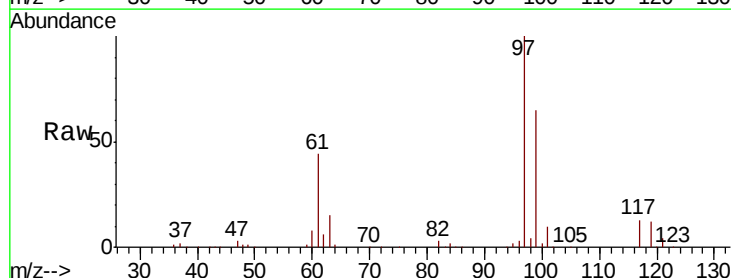
Tgt Ion: 97 Resp: 170022

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

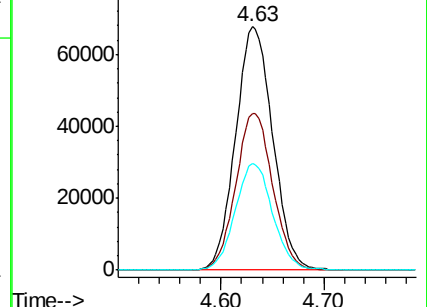
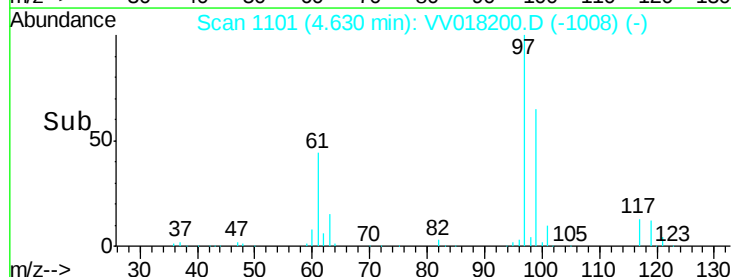
61 44.3 34.9 52.3

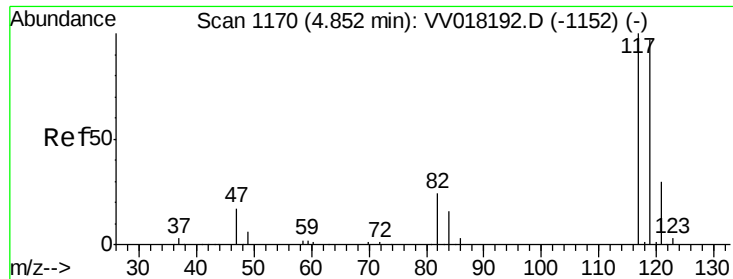


Abundance Ion 97.00 (96.70 to 97.70): VV018200.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV018200.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV018200.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 50.708 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

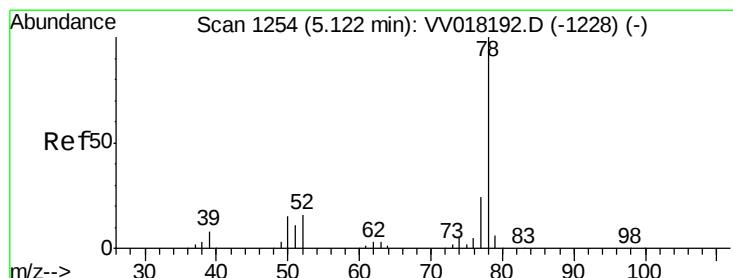
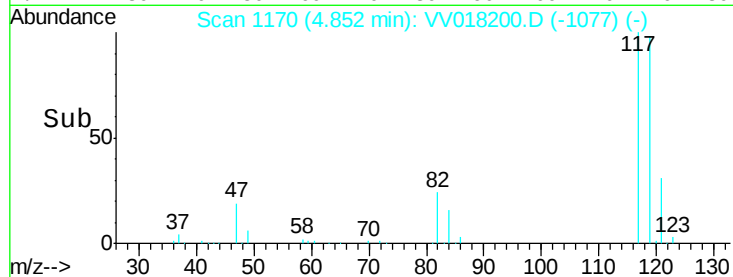
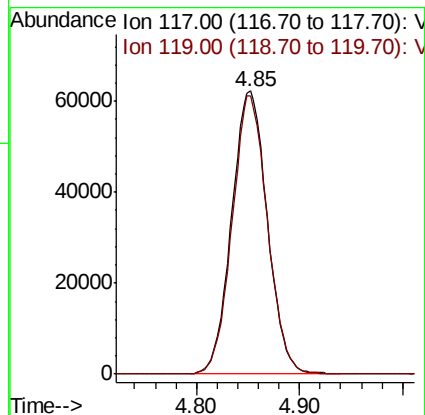
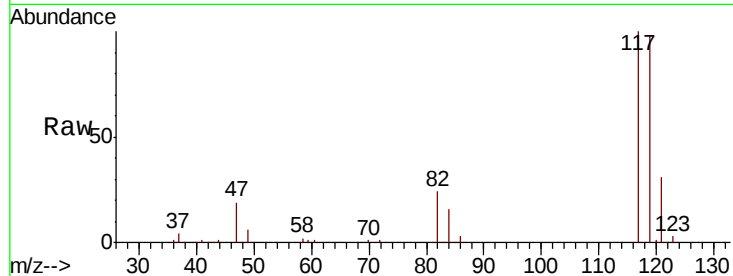
VSTD05068

Tot Ion:117 Resp: 149731

Ion Ratio Lower Upper

117 100

119 97.1 75.7 113.5



#33

Benzene

Concen: 52.393 ug/L

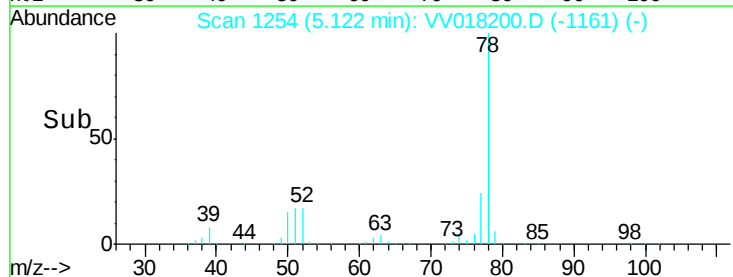
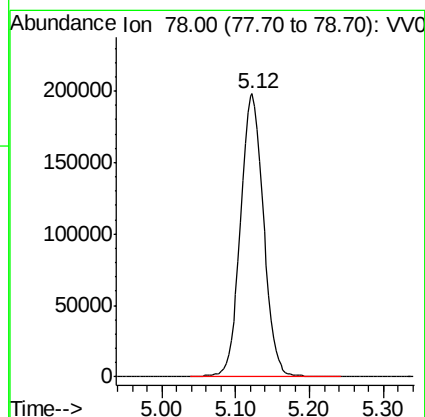
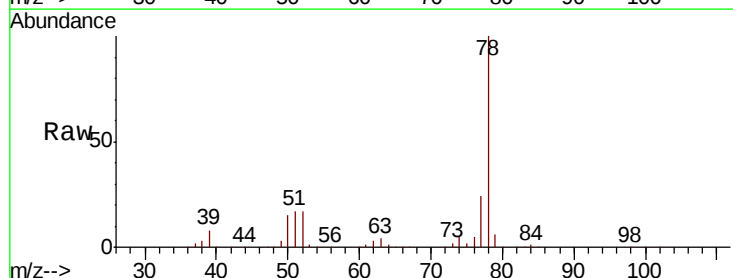
RT: 5.12 min Scan# 1254

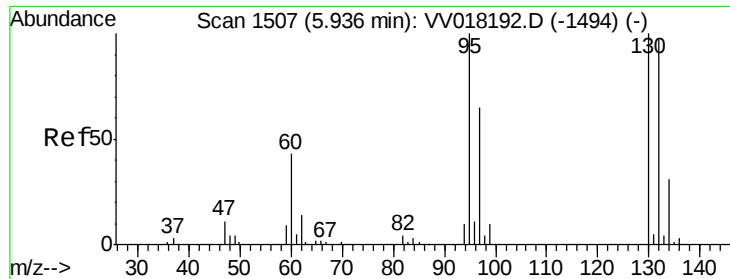
Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Tgt Ion: 78 Resp: 433448





#34

Trichloroethene

Concen: 47.990 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tot Ion: 95 Resp: 108153

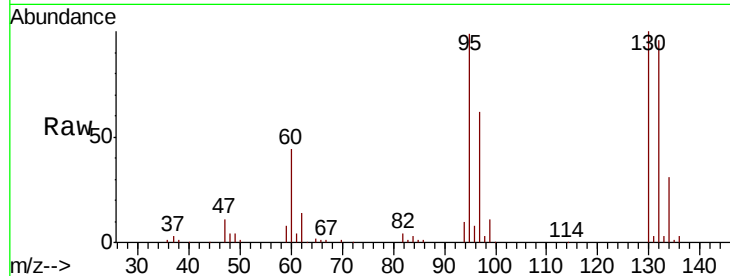
Ion Ratio Lower Upper

95 100

97 62.9 46.3 85.9

132 96.6 68.1 126.5

130 100.7 71.5 132.9

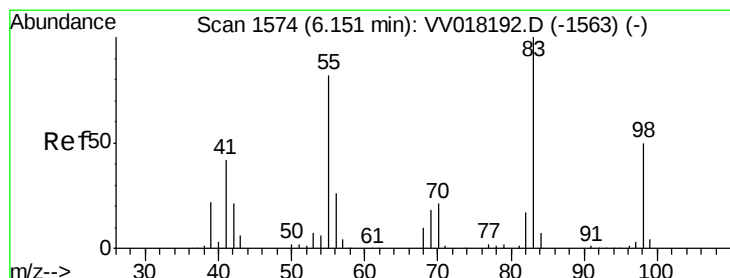
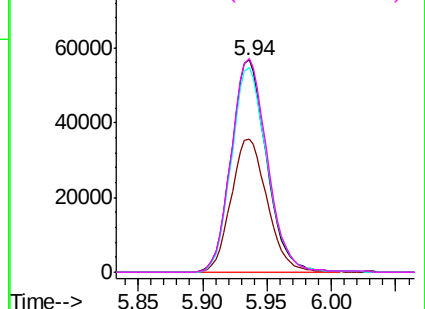
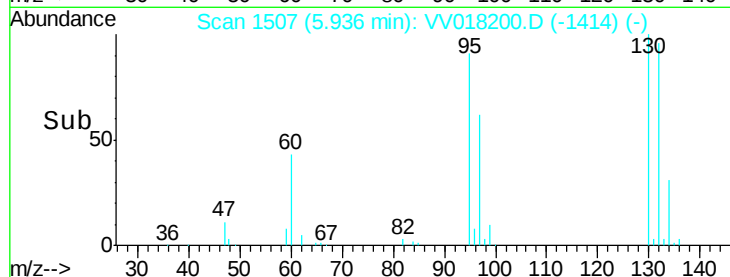


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 51.260 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

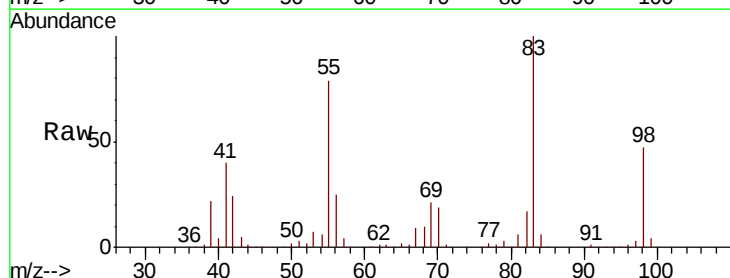
Tgt Ion: 83 Resp: 173937

Ion Ratio Lower Upper

83 100

55 79.8 63.4 95.2

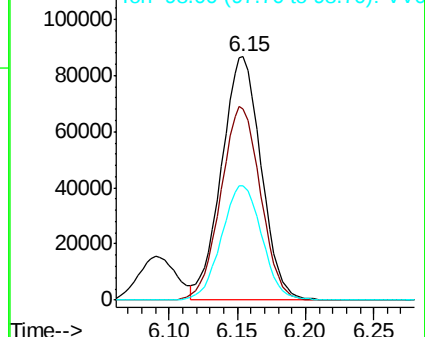
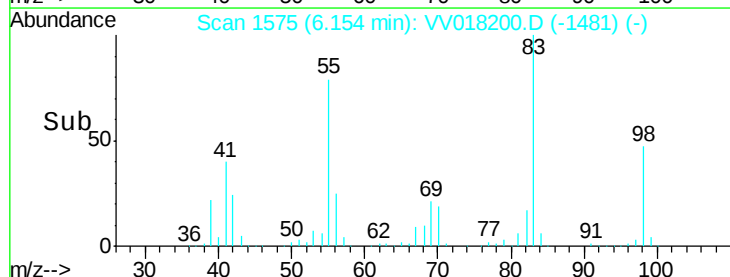
98 48.1 38.8 58.2

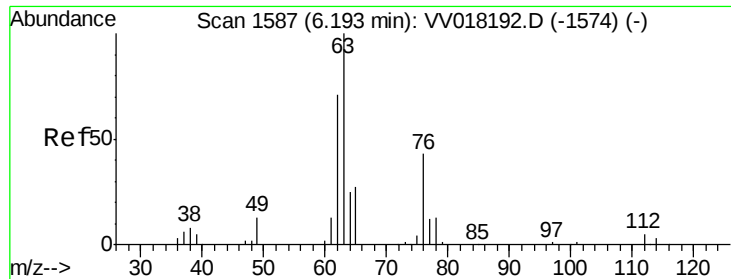


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

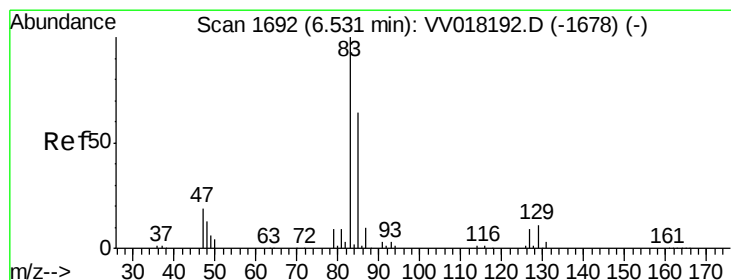
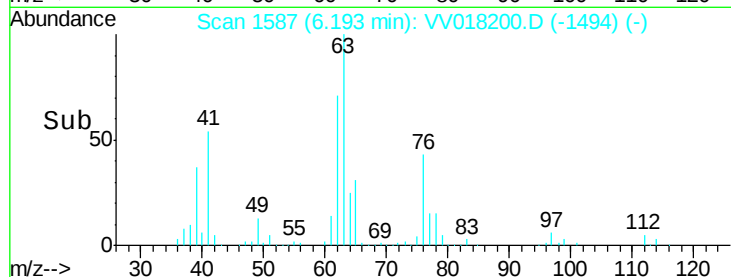
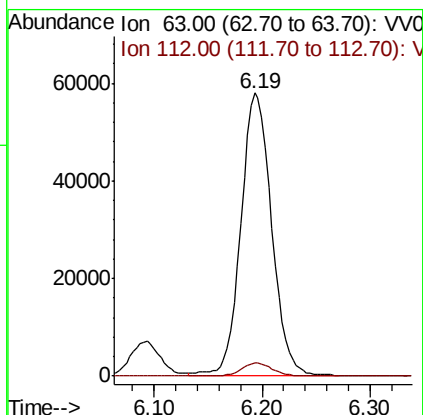
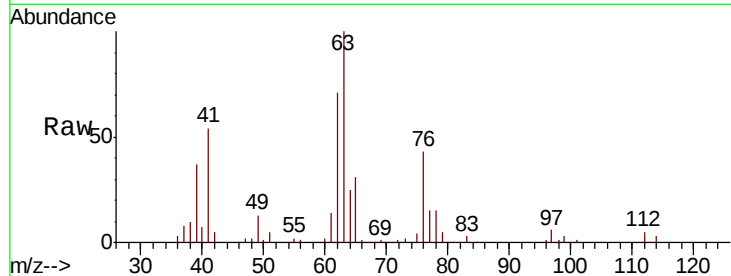




#37
 1,2-Dichloropropane
 Concen: 52.236 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

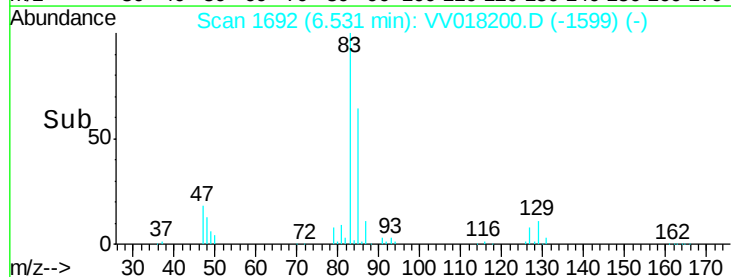
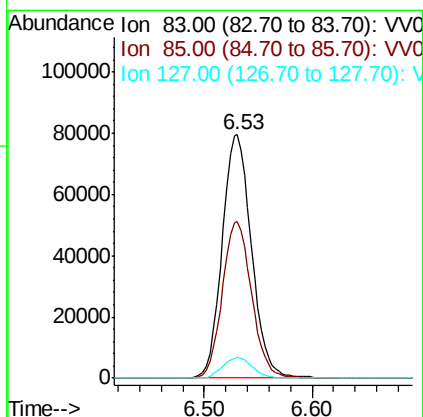
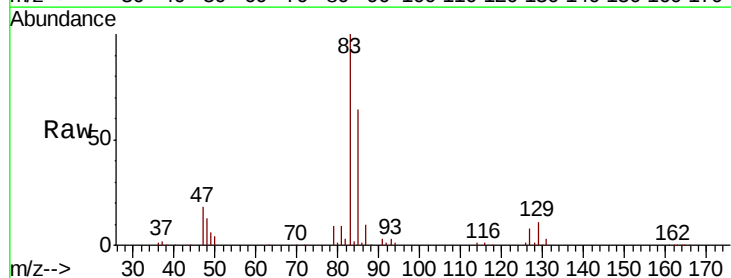
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

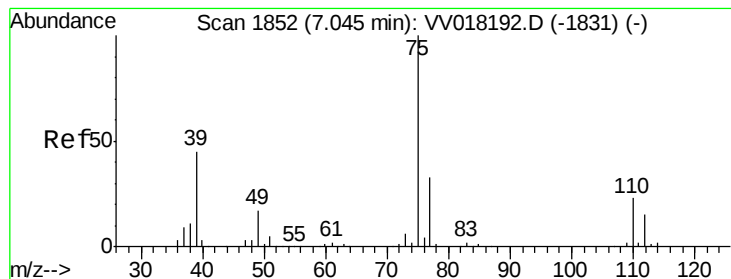
Tot Ion: 63 Resp: 114515
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 52.739 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

Tgt Ion: 83 Resp: 150457
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 82.9
 127 8.3 6.7 10.1



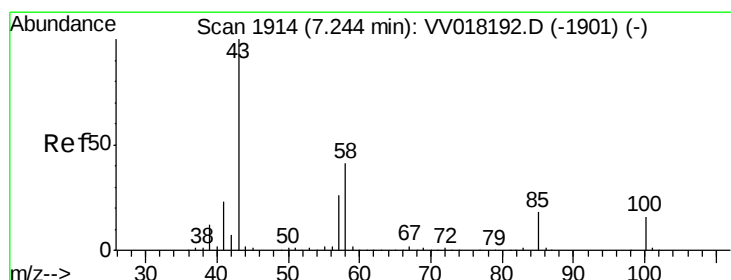
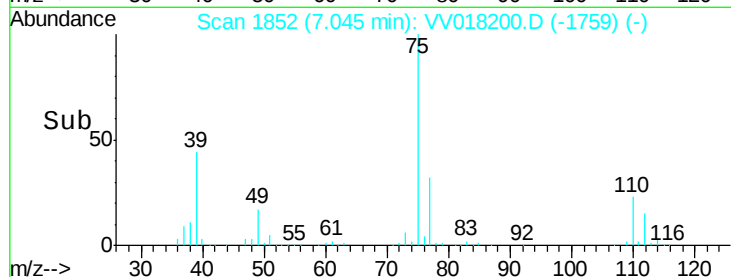
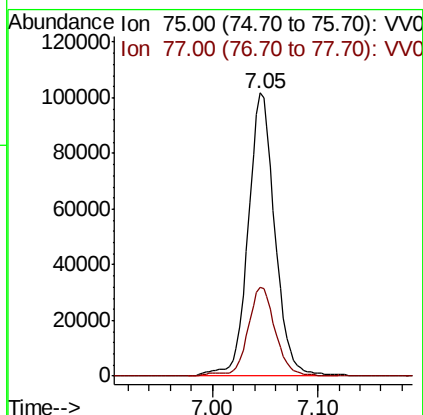
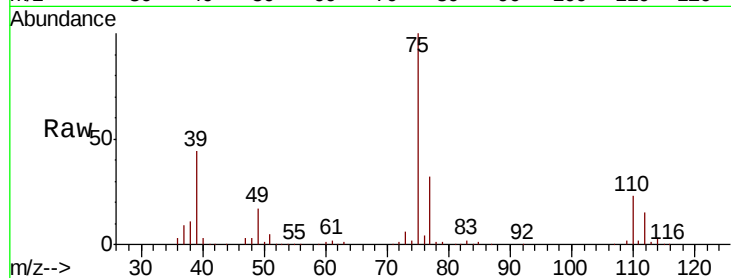


#39

cis-1,3-Dichloropropene
 Concen: 53.252 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

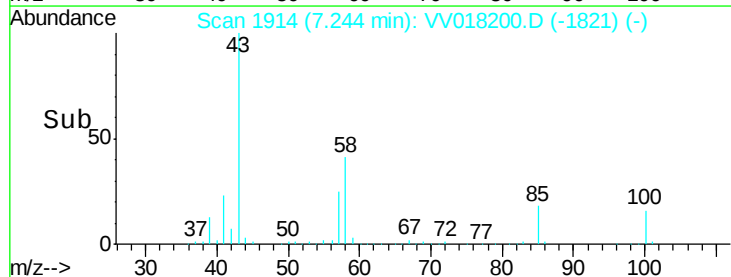
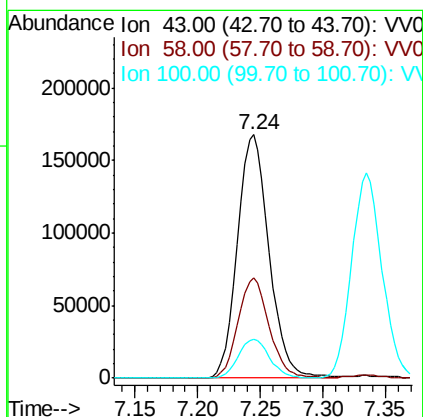
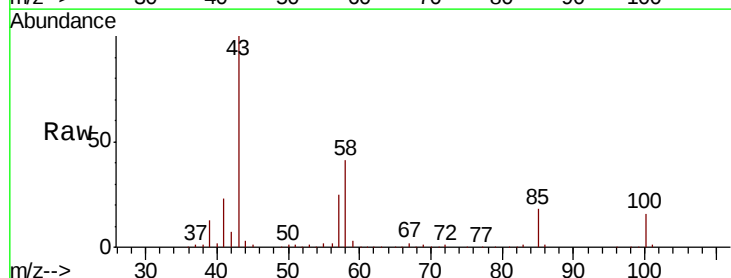
Tot Ion: 75 Resp: 179871
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3

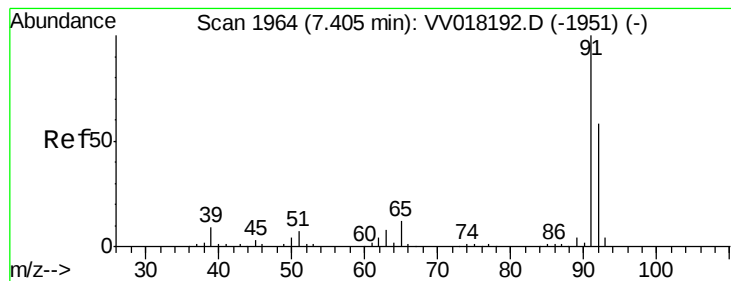


#40

4-Methyl-2-pentanone
 Concen: 110.592 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

Tgt Ion: 43 Resp: 294126
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.4 48.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 53.224 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

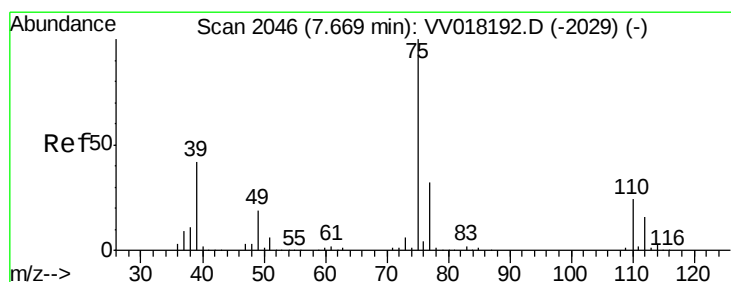
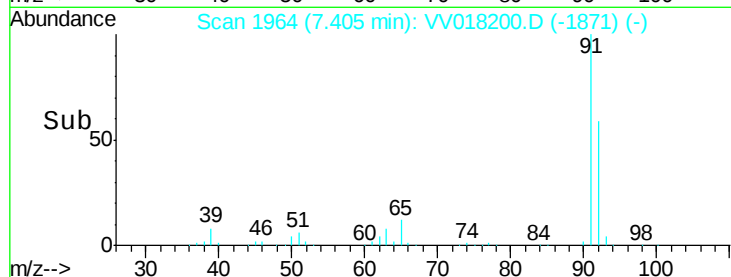
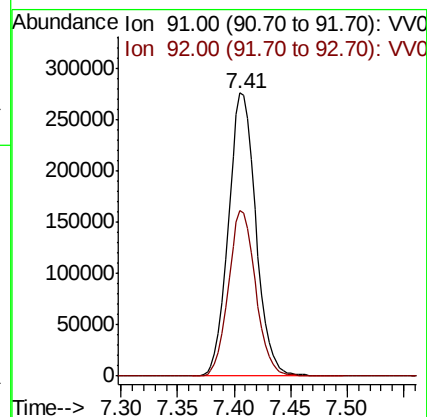
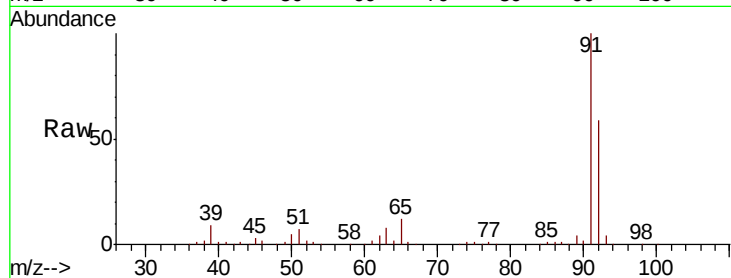
VSTD05068

Tot Ion: 91 Resp: 465981

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 54.375 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018200.D

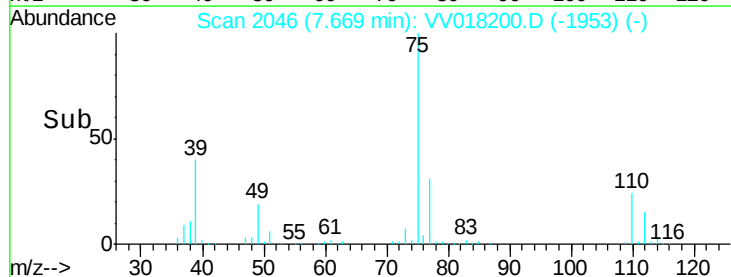
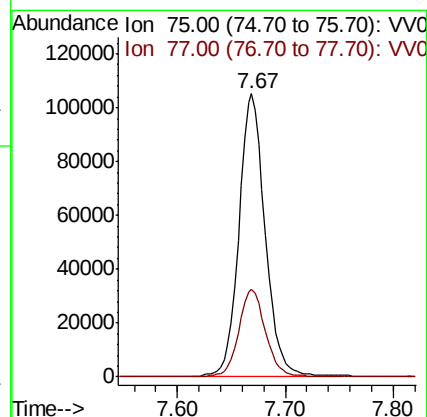
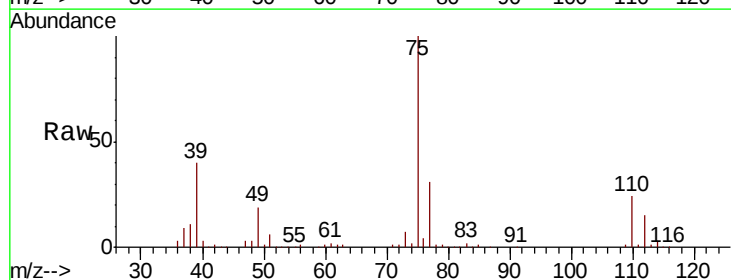
Acq: 14 Sep 2020 13:30

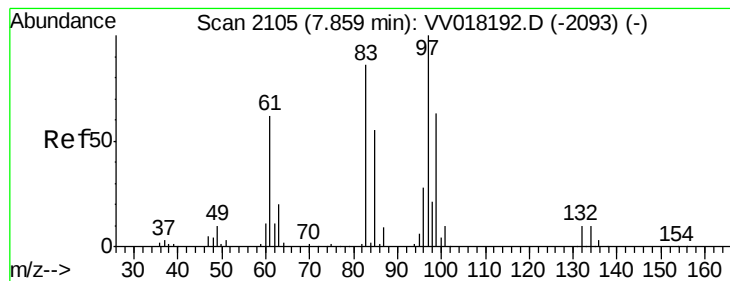
Tgt Ion: 75 Resp: 178827

Ion Ratio Lower Upper

75 100

77 31.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 53.334 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tot Ion: 97 Resp: 108372

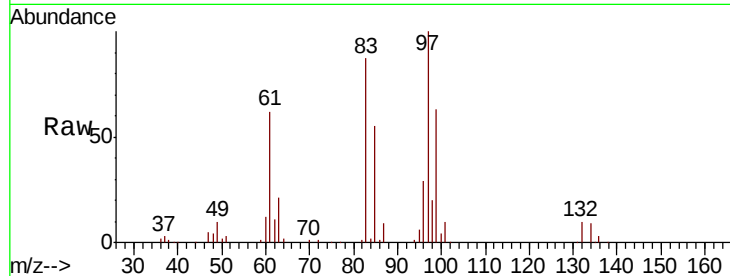
Ion Ratio Lower Upper

97 100

99 63.0 43.7 81.1

83 87.3 59.9 111.3

85 54.9 37.6 69.8



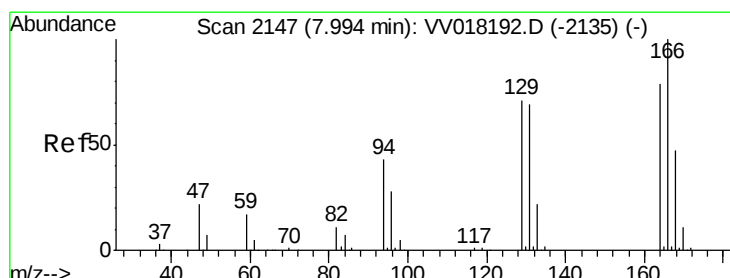
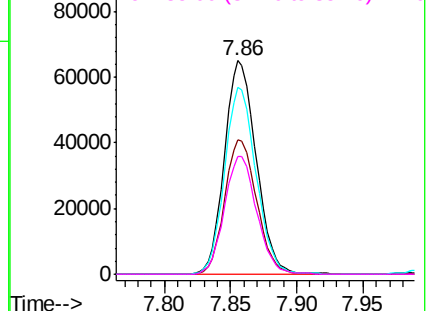
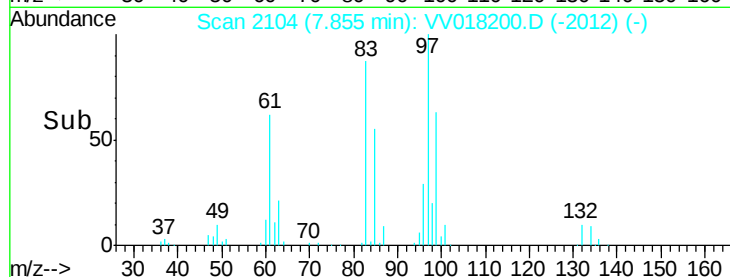
Abundance

Ion 97.00 (96.70 to 97.70): VV018200.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018200.D (-2012) (-)

Ion 83.00 (82.70 to 83.70): VV018200.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018200.D (-2012) (-)



#46

Tetrachloroethene

Concen: 51.805 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Tgt Ion: 164 Resp: 91542

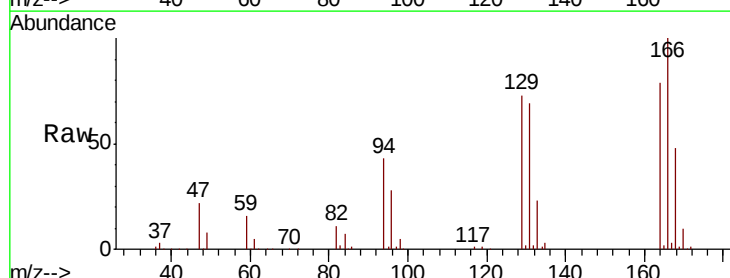
Ion Ratio Lower Upper

164 100

129 91.8 64.5 119.7

131 87.4 61.8 114.8

166 126.4 90.6 168.2



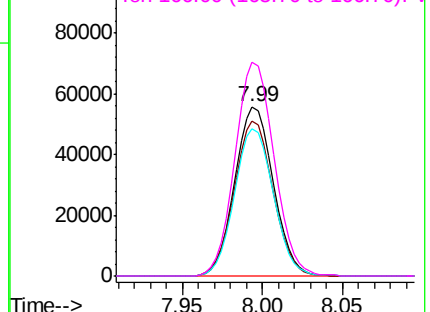
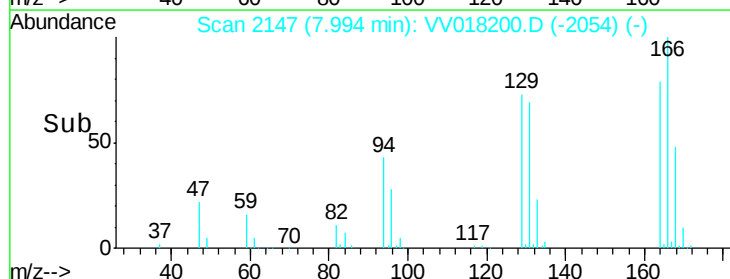
Abundance

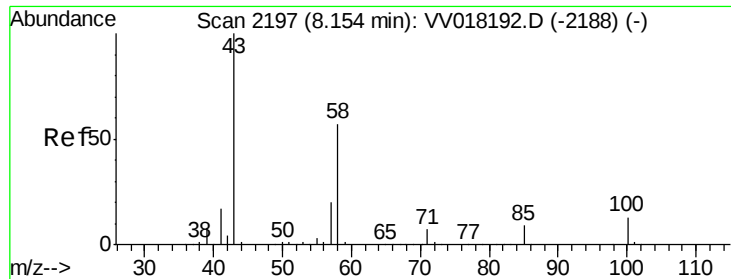
Ion 164.00 (163.70 to 164.70): VV018200.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018200.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018200.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018200.D (-2054) (-)

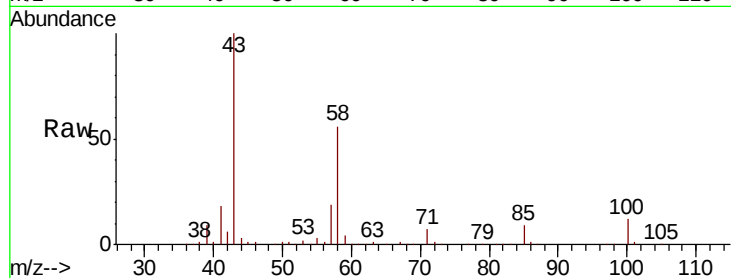




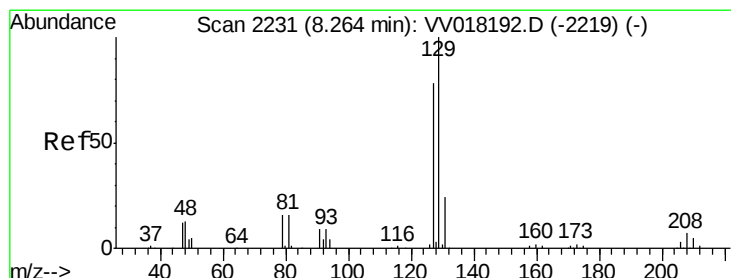
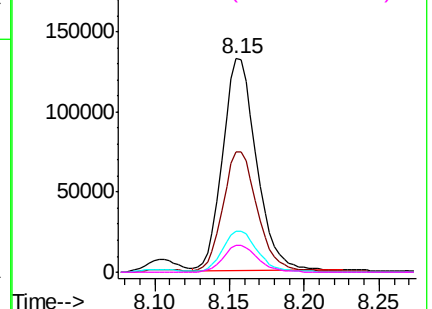
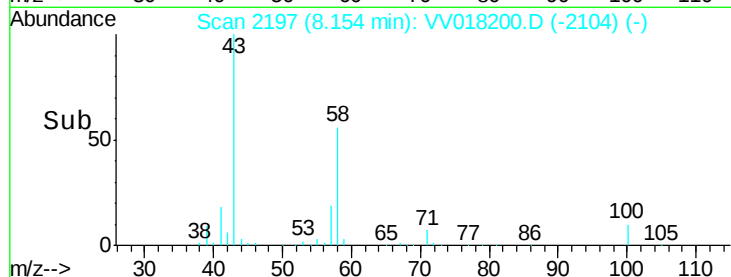
#48
2-Hexanone
Concen: 100.188 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion: 43 Resp: 210070
Ion Ratio Lower Upper
43 100
58 58.2 44.8 67.2
57 20.5 15.8 23.6
100 13.1 10.2 15.4

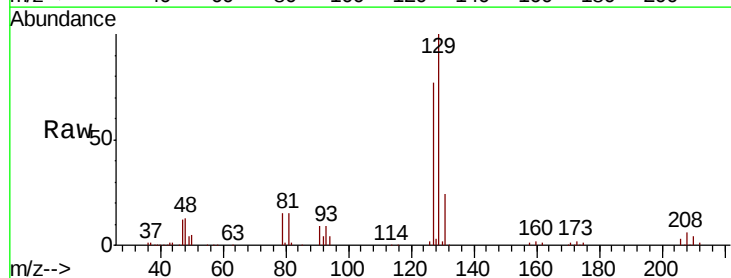


Abundance Ion 43.00 (42.70 to 43.70): VV018200.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV018200.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV018200.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV018200.D (-2104) (-)

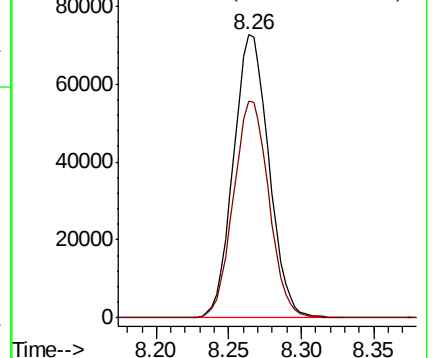
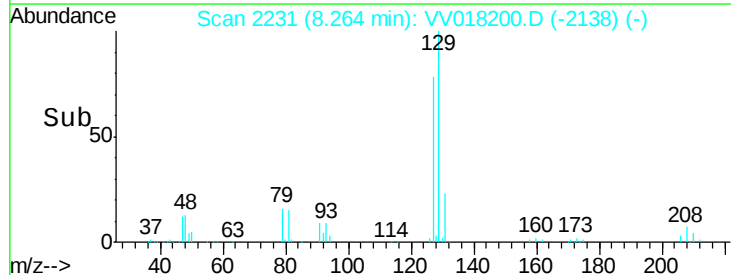


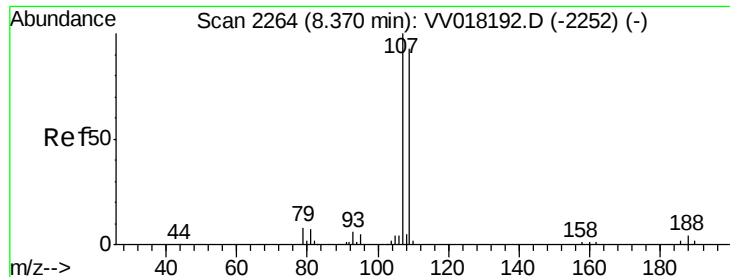
#49
Dibromochloromethane
Concen: 54.150 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Tgt Ion: 129 Resp: 123506
Ion Ratio Lower Upper
129 100
127 76.6 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018200.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV018200.D (-2138) (-)

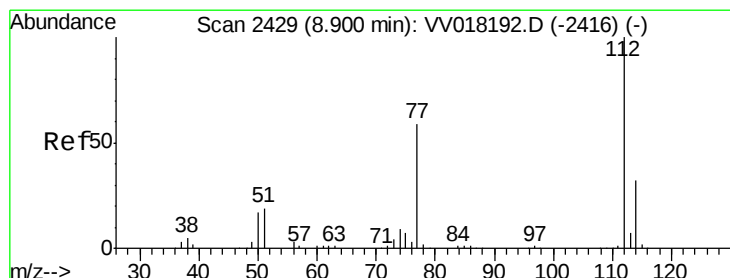
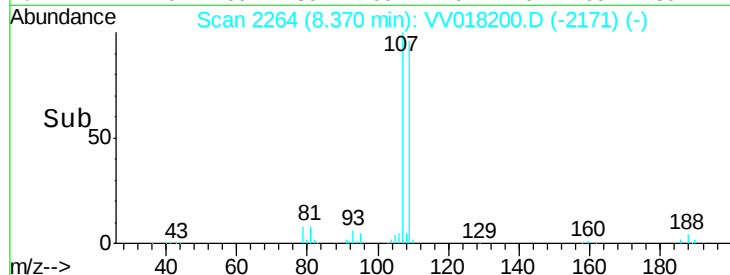
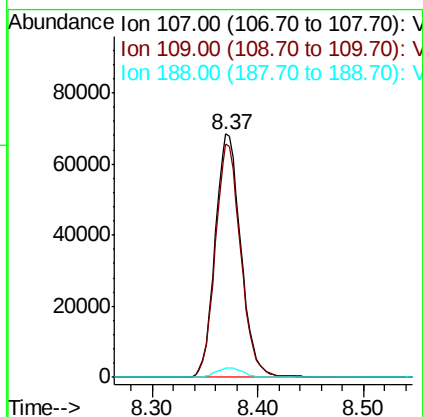
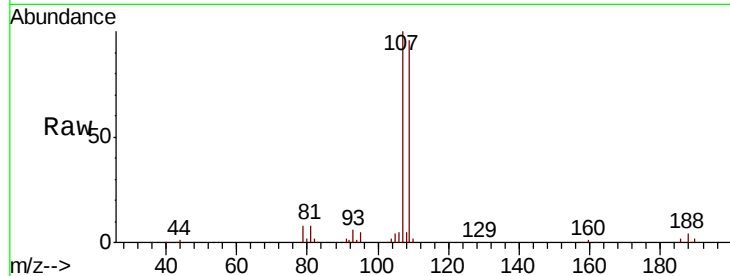




#50
1,2-Dibromoethane
Concen: 54.082 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

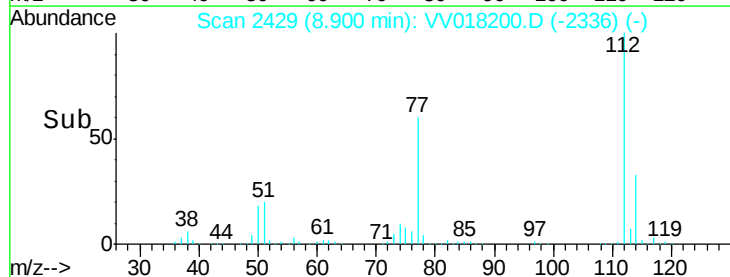
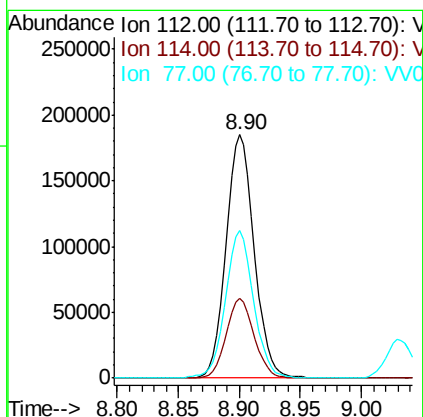
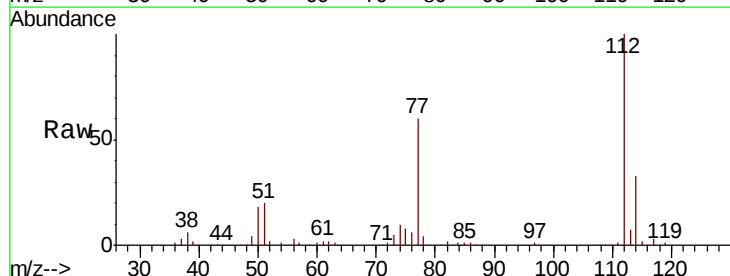
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

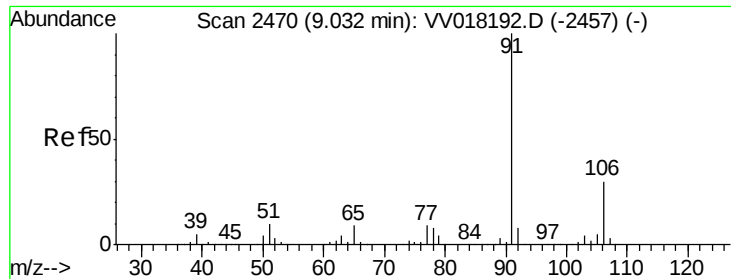
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	66.1	122.8
188	3.9	3.2	4.8



#51
Chlorobenzene
Concen: 52.681 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.6	42.0
77	60.4	48.0	72.0

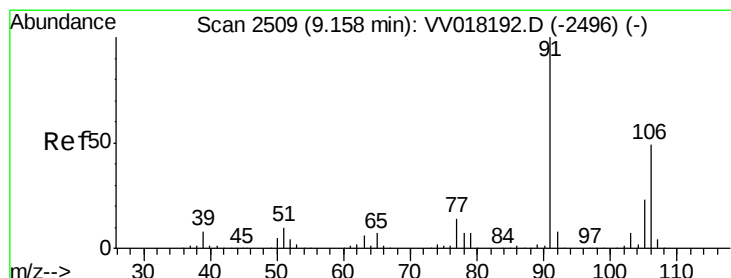
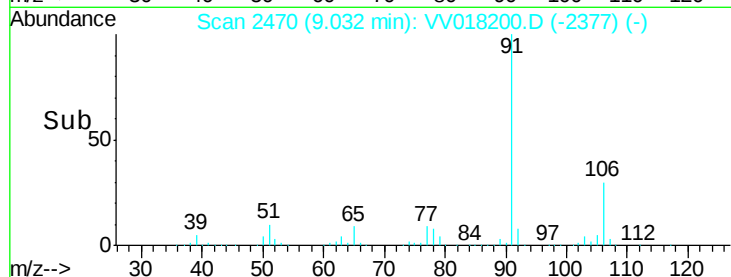
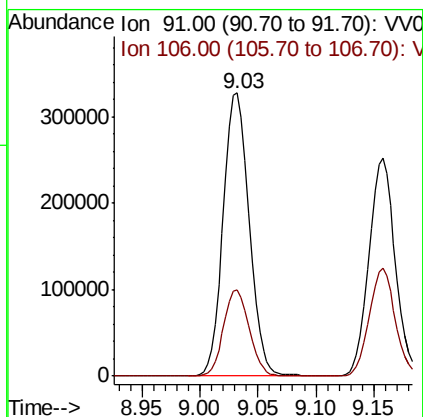
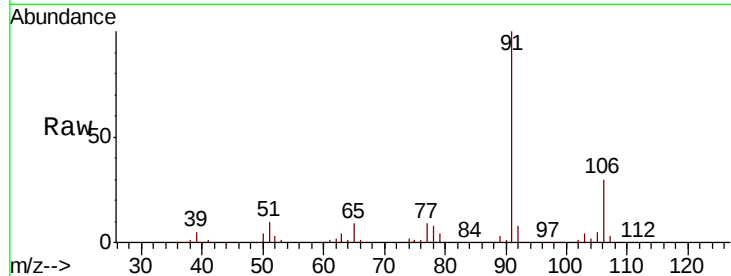




#52
Ethylbenzene
Concen: 53.239 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

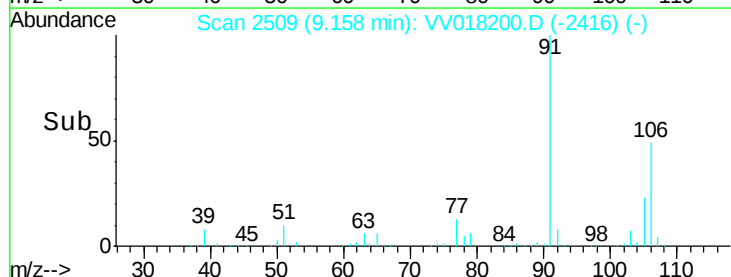
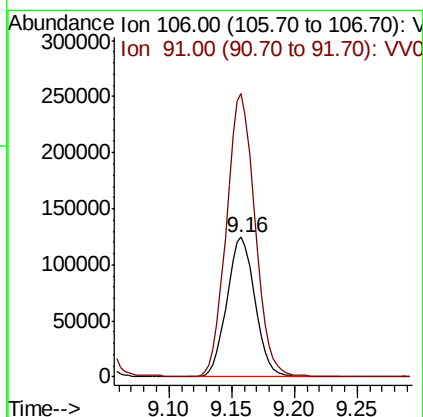
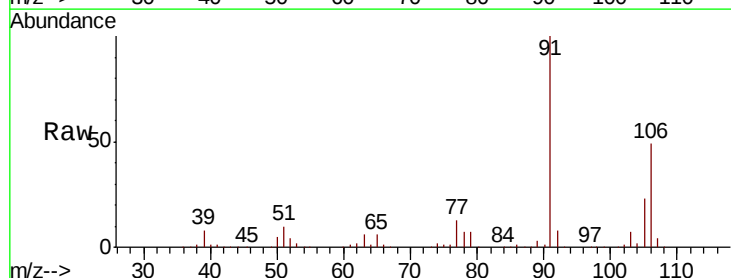
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

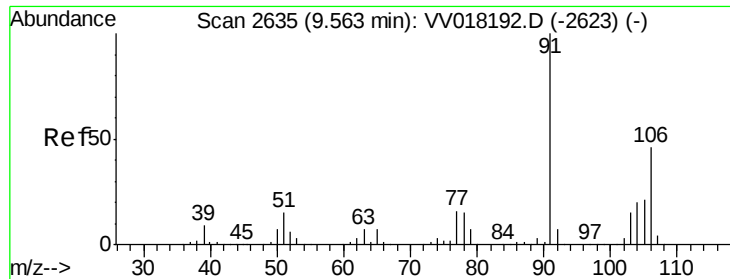
Tot Ion: 91 Resp: 508879
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 54.338 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018200.D
Acq: 14 Sep 2020 13:30

Tgt Ion: 106 Resp: 193863
Ion Ratio Lower Upper
106 100
91 202.7 146.7 272.5





#54

o-xylene

Concen: 54.144 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

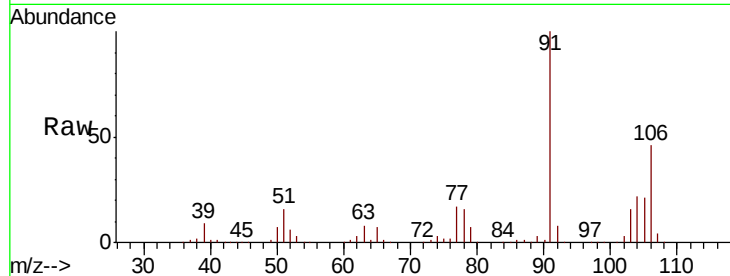
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion:106 Resp: 186100

Ion Ratio Lower Upper

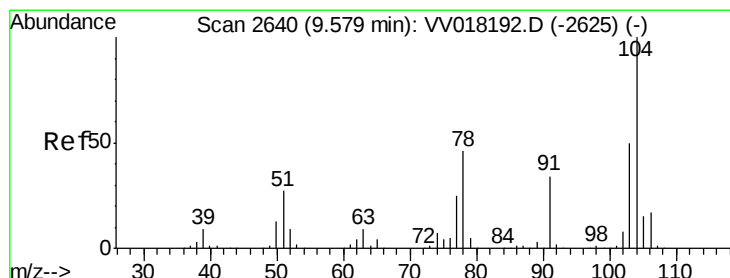
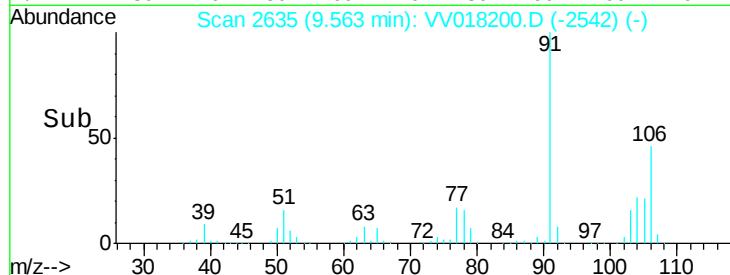
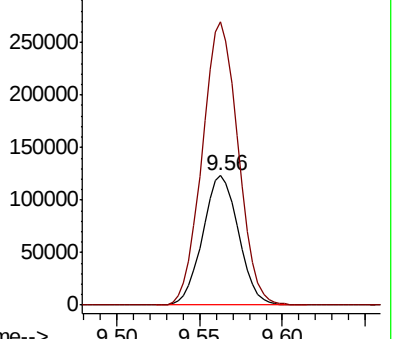
106 100

91 218.3 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.620 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018200.D

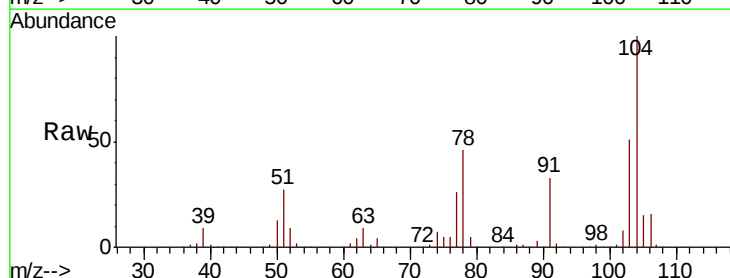
Acq: 14 Sep 2020 13:30

Tgt Ion:104 Resp: 338252

Ion Ratio Lower Upper

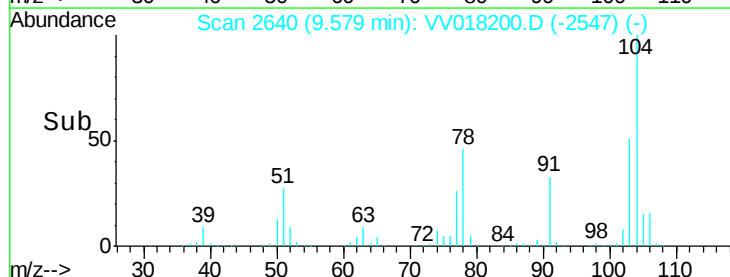
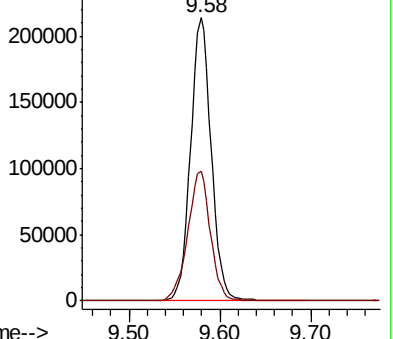
104 100

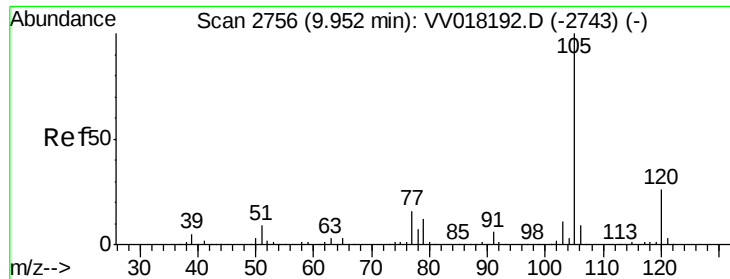
78 45.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.381 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

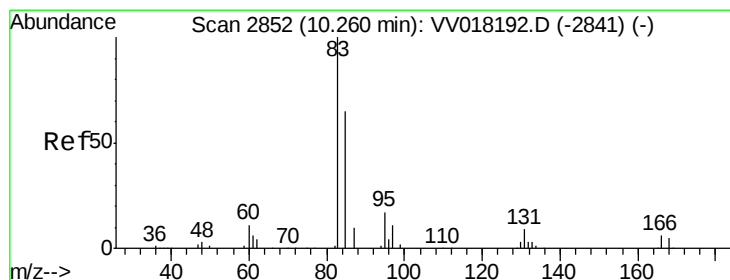
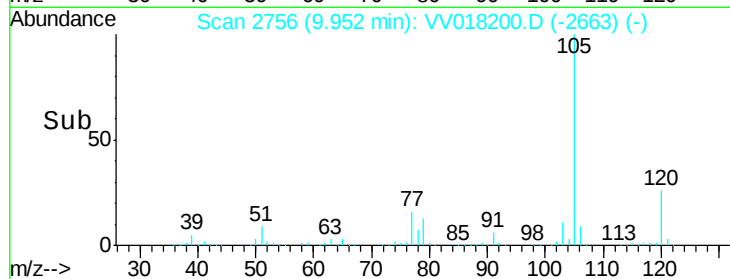
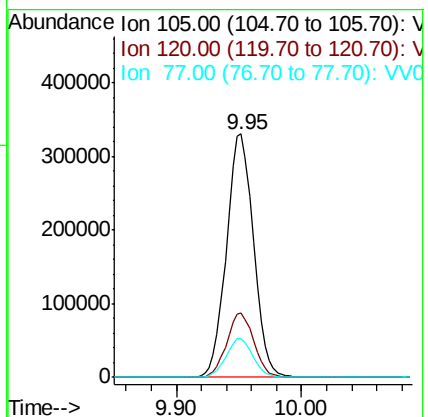
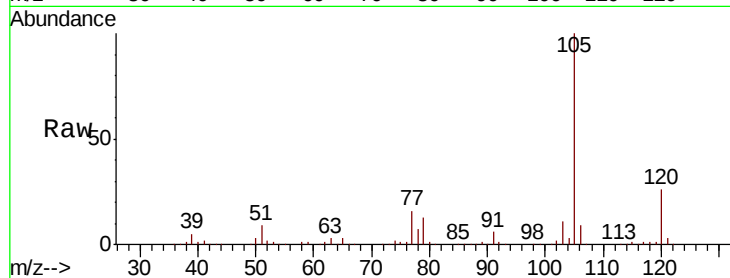
Tot Ion:105 Resp: 494488

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

77 15.8 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 59.327 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

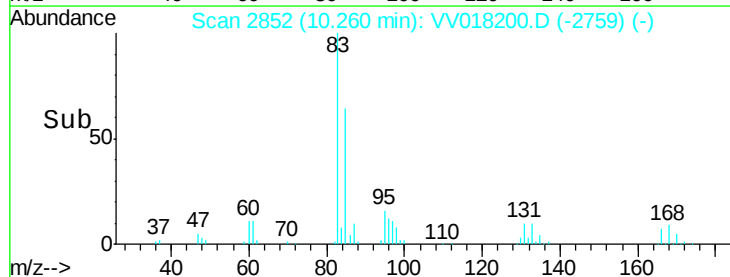
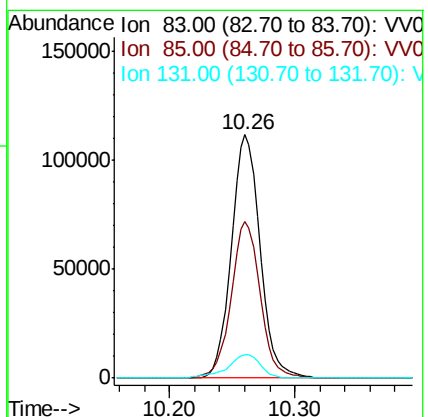
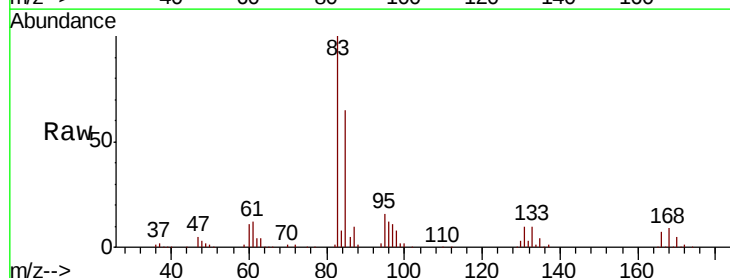
Tgt Ion: 83 Resp: 178321

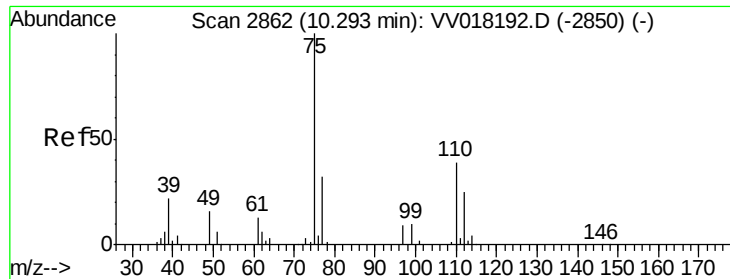
Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.2

131 9.7 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 54.469 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

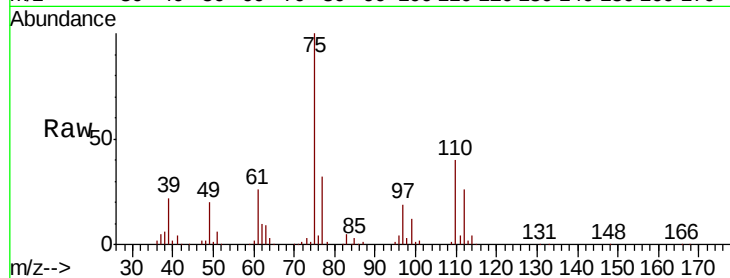
VSTD05068

Tot Ion: 75 Resp: 140447

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

10.29

80000

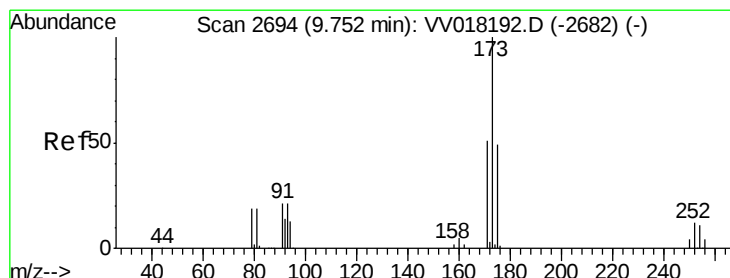
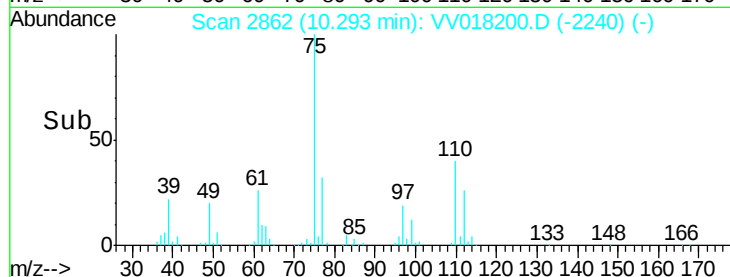
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 53.176 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

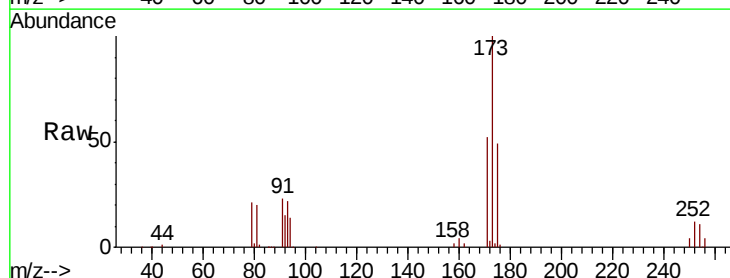
Tgt Ion: 173 Resp: 92327

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

254 11.2 9.0 13.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

9.75

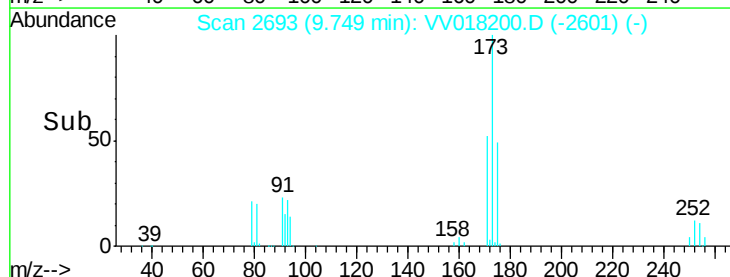
60000

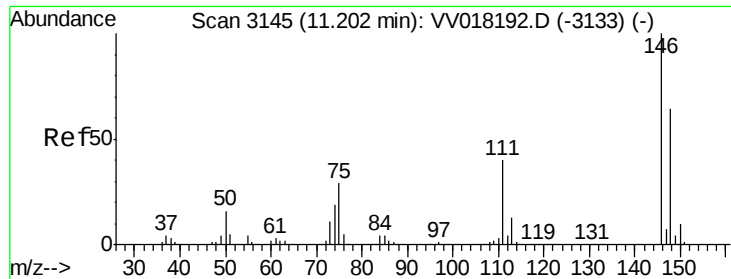
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 52.826 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

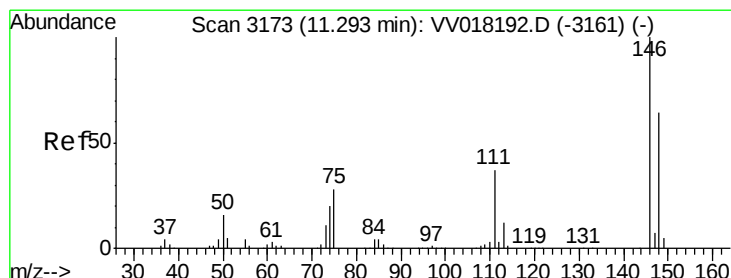
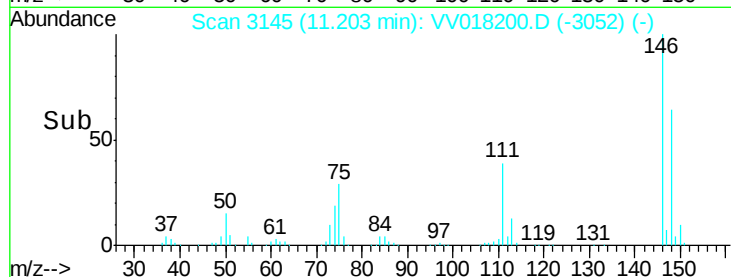
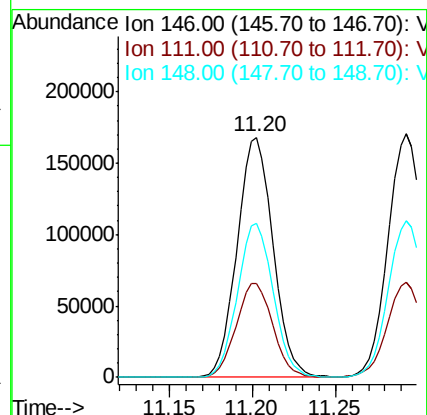
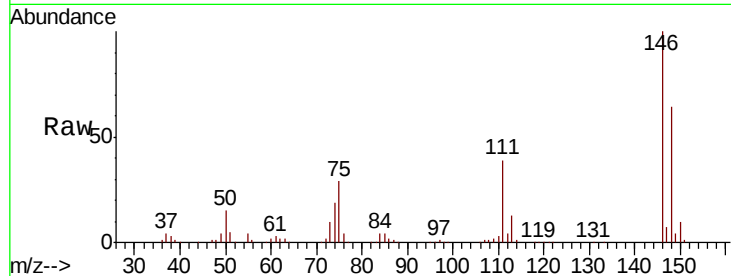
Tot Ion:146 Resp: 253873

Ion Ratio Lower Upper

146 100

111 39.2 27.6 51.2

148 64.2 45.4 84.2



#63

1,4-Dichlorobenzene

Concen: 52.446 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

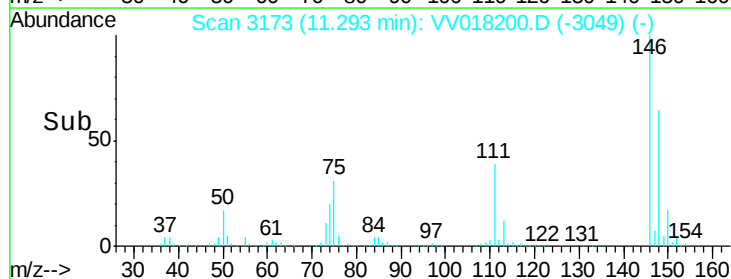
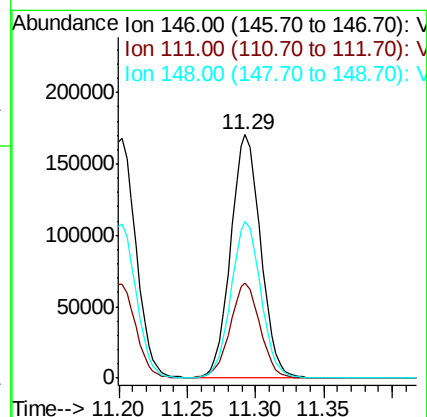
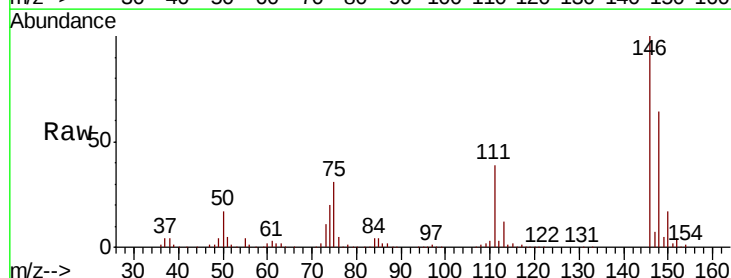
Tgt Ion:146 Resp: 259071

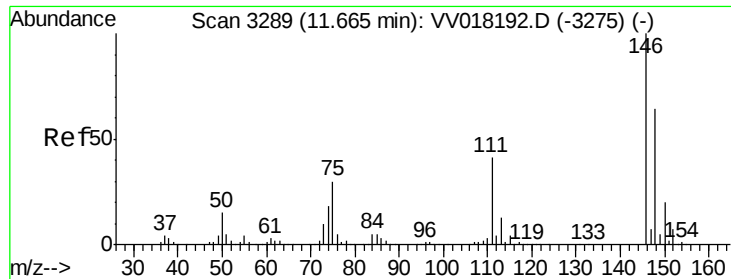
Ion Ratio Lower Upper

146 100

111 39.1 27.1 50.3

148 64.2 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 51.872 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

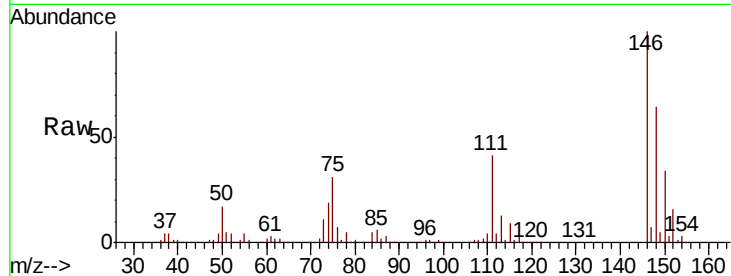
Tot Ion:146 Resp: 251974

Ion Ratio Lower Upper

146 100

111 40.8 32.8 49.2

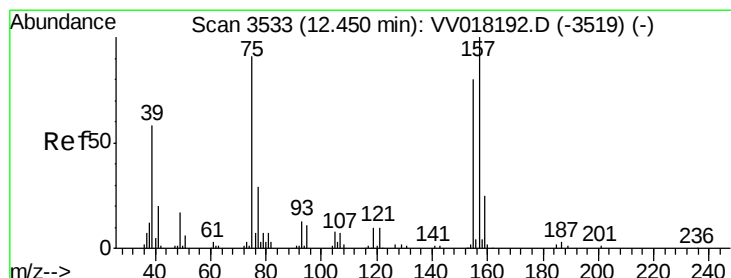
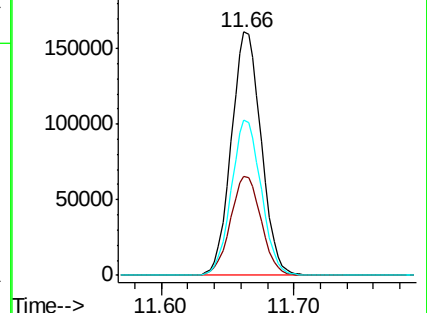
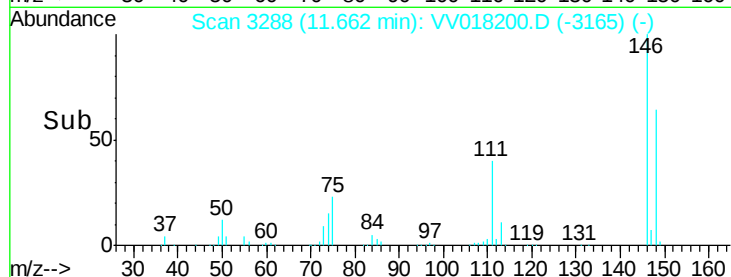
148 63.8 50.7 76.1



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: 55.857 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

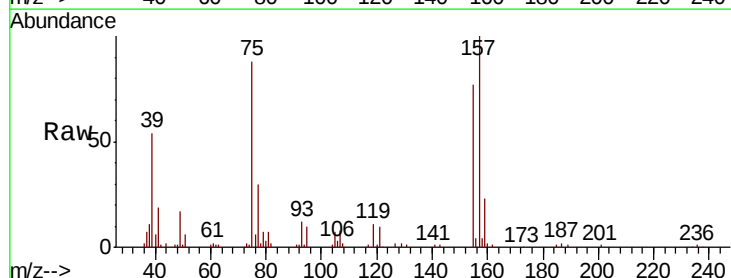
Tgt Ion: 75 Resp: 38289

Ion Ratio Lower Upper

75 100

155 88.0 69.7 104.5

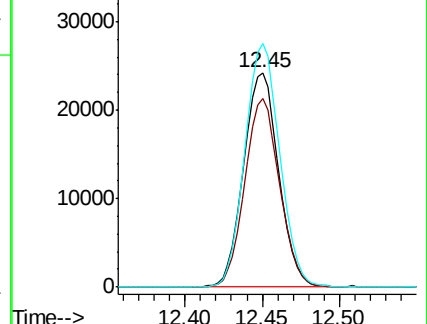
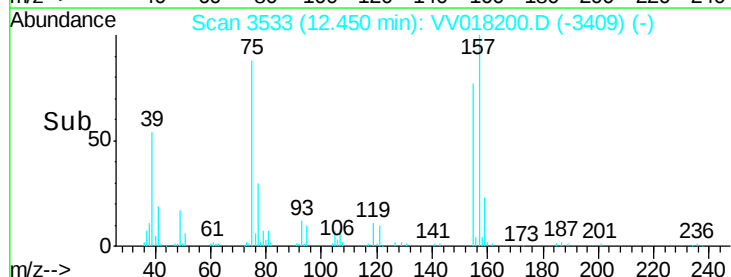
157 113.7 88.2 132.4

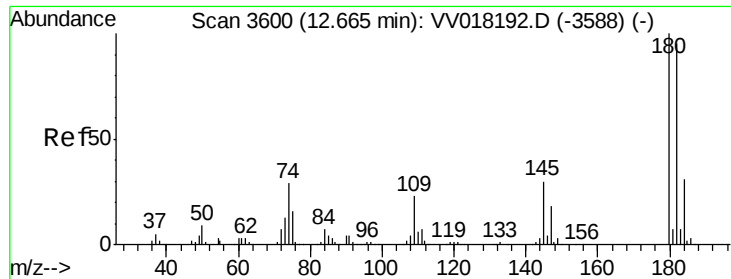


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

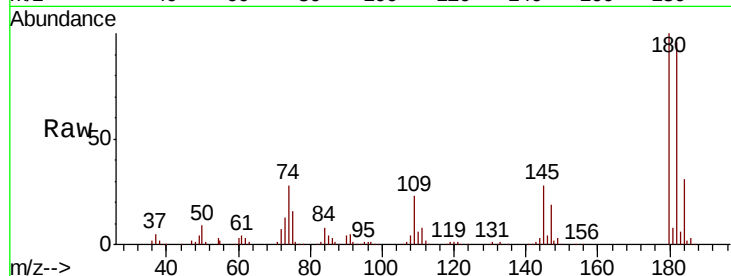




#67
 1,3,5-Trichlorobenzene
 Concen: 51.048 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.8	115.2
184	31.3	24.6	36.8
145	28.7	22.7	34.1

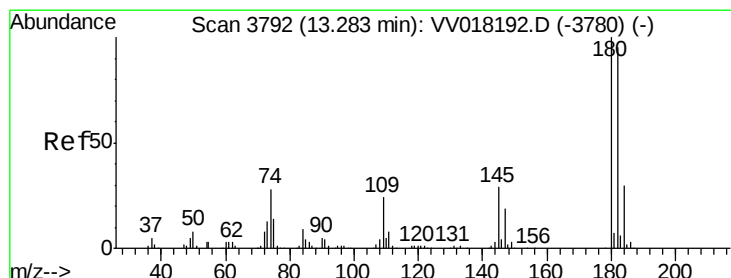
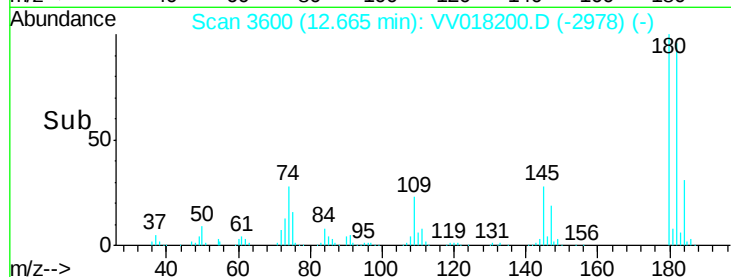
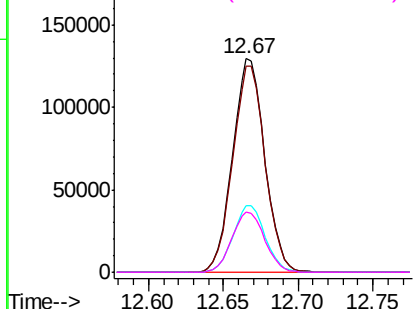


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

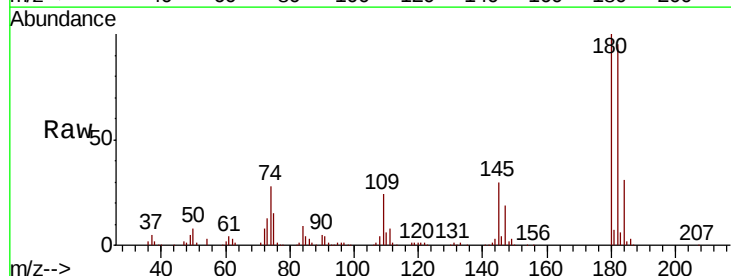
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.455 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018200.D
 Acq: 14 Sep 2020 13:30

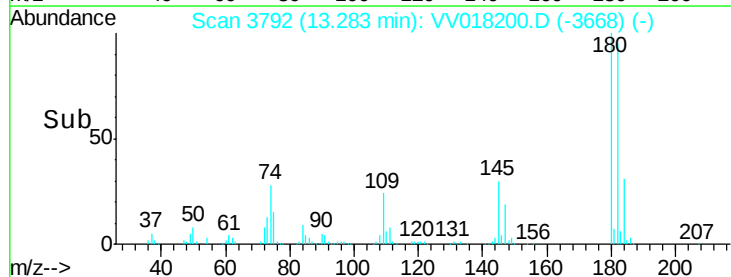
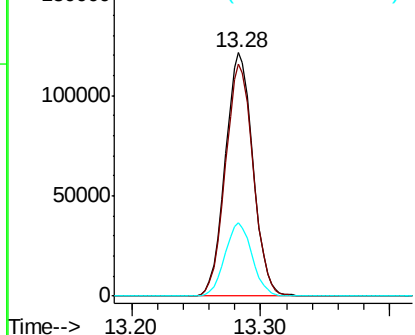
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
145	29.6	23.2	34.8

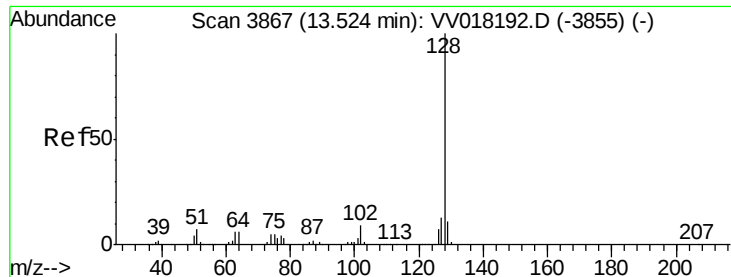


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 61.651 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

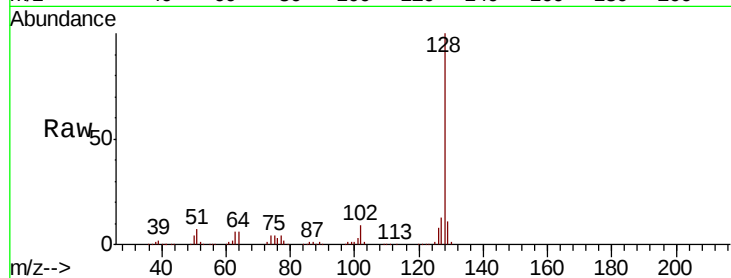
Tot Ion:128 Resp: 526309

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

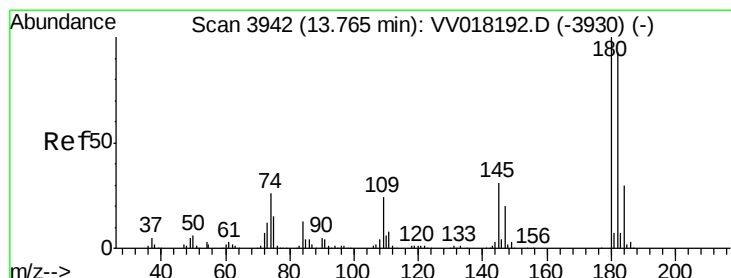
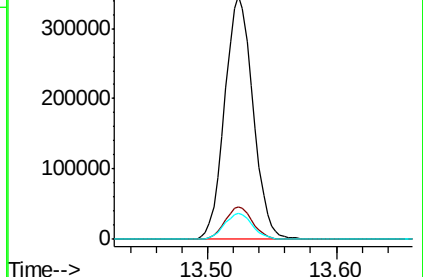
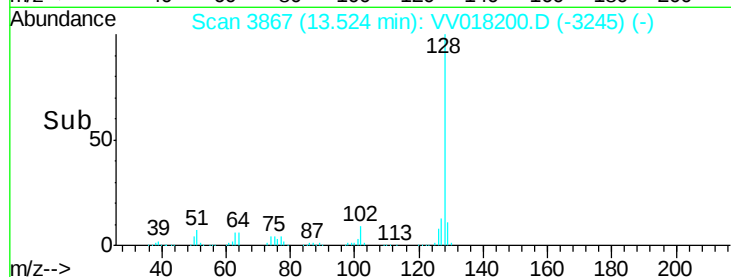
129 10.8 8.6 13.0



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: 55.481 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018200.D

Acq: 14 Sep 2020 13:30

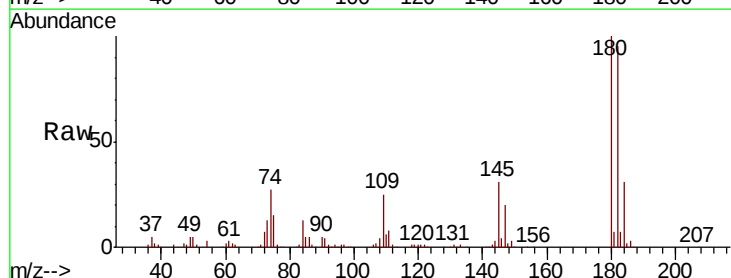
Tgt Ion:180 Resp: 184362

Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

145 31.4 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

