

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091420\
 Data File : VV018212.D
 Acq On : 14 Sep 2020 18:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Sep 15 05:29:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 05:21:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	283397	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	280581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151984	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92068	39.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.72%
7) Chloroethane-d5	1.58	69	85425	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	198092	46.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.52%
21) 2-Butanone-d5	3.92	46	151629	107.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.26%
24) Chloroform-d	4.38	84	201995	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
26) 1,2-Dichloroethane-d4	5.06	65	129055	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.48%
32) Benzene-d6	5.08	84	386124	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
36) 1,2-Dichloropropane-d6	6.10	67	125324	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.20%
41) Toluene-d8	7.34	98	359041	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.64	79	63991	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
47) 2-Hexanone-d5	8.11	63	116498	120.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.51%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	177604	55.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	153854	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	109731	53.100	ug/L 100
3) Chloromethane	1.25	50	123823	54.874	ug/L 99
5) Vinyl chloride	1.32	62	124894	53.975	ug/L 100
6) Bromomethane	1.53	94	77328	54.675	ug/L 98
8) Chloroethane	1.60	64	77809	53.679	ug/L 99
9) Trichlorofluoromethane	1.77	101	175056	54.985	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104161	54.467	ug/L 99
12) 1,1-Dichloroethene	2.14	96	101732	54.672	ug/L 95
13) Acetone	2.20	43	106766	94.318	ug/L 99
14) Carbon disulfide	2.31	76	300186	52.721	ug/L 100
15) Methyl Acetate	2.45	43	110457	54.297	ug/L 98
16) Methylene chloride	2.53	84	115622	55.404	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	105313	54.917	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	320905	54.097	ug/L 99
19) 1,1-Dichloroethane	3.21	63	196347	54.153	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	112646	54.951	ug/L 97
22) 2-Butanone	4.00	43	149393	111.452	ug/L 95

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 QLast Update : Tue Sep 15 05:21:42 2020
 Response via : Initial Calibration

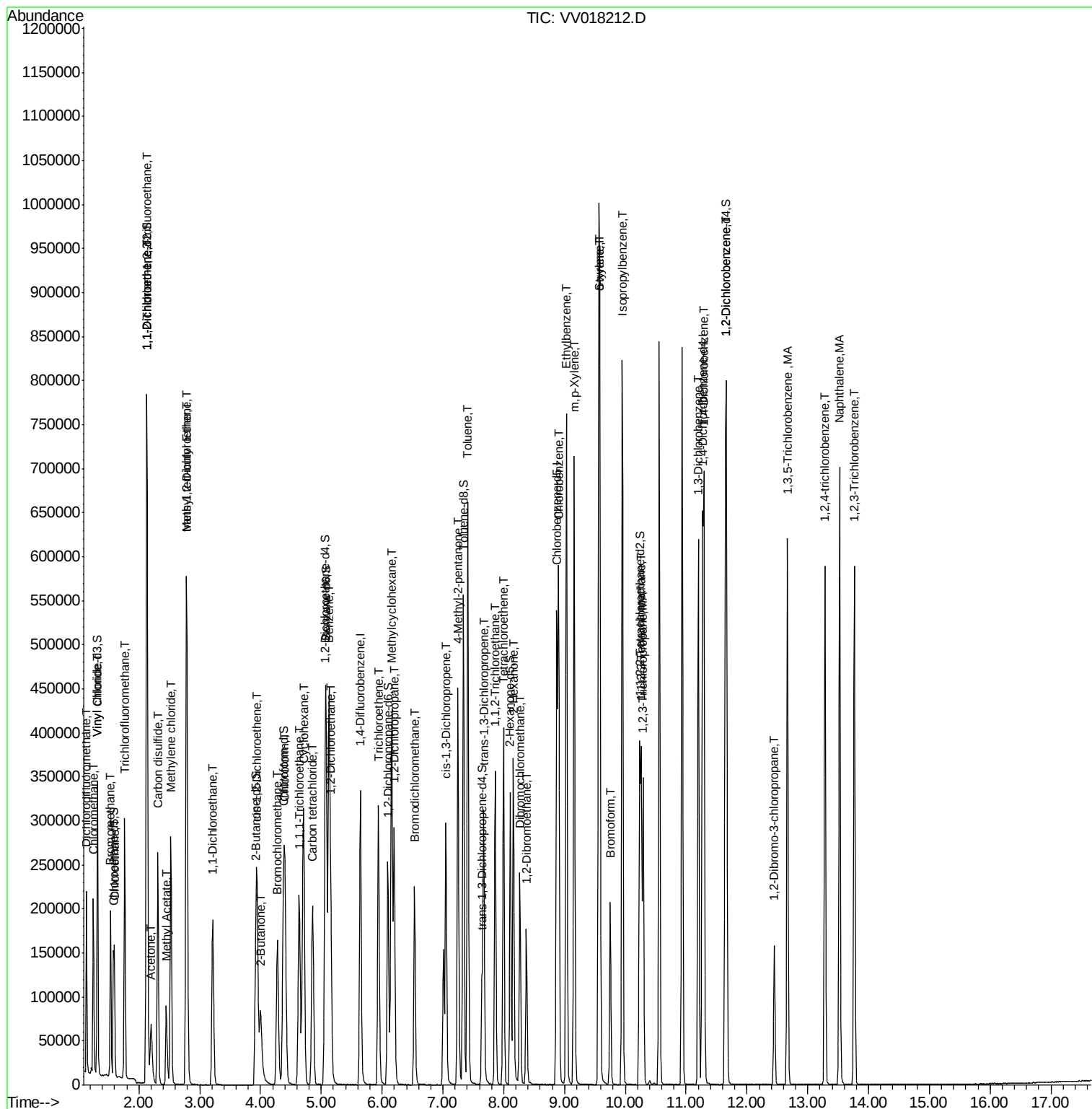
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	58797	54.820	ug/L	99
25) Chloroform	4.41	83	199142	54.033	ug/L	100
27) 1,2-Dichloroethane	5.16	62	157875	55.333	ug/L	99
29) Cyclohexane	4.71	56	175144	54.057	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	176495	54.202	ug/L	100
31) Carbon tetrachloride	4.86	117	155350	54.257	ug/L	100
33) Benzene	5.13	78	438143	54.617	ug/L	100
34) Trichloroethene	5.94	95	110598	50.609	ug/L	99
35) Methylcyclohexane	6.16	83	178227	54.167	ug/L	99
37) 1,2-Dichloropropane	6.20	63	115787	54.468	ug/L	100
38) Bromodichloromethane	6.53	83	149397	54.005	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	173643	53.016	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	292849	113.555	ug/L	100
42) Toluene	7.41	91	473451	55.768	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	174977	54.868	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	109081	55.362	ug/L	100
46) Tetrachloroethene	8.00	164	93381	54.499	ug/L	99
48) 2-Hexanone	8.16	43	225972	111.143	ug/L	99
49) Dibromochloromethane	8.27	129	121089	54.751	ug/L	100
50) 1,2-Dibromoethane	8.37	107	114514	55.223	ug/L	99
51) Chlorobenzene	8.90	112	301494	54.684	ug/L	100
52) Ethylbenzene	9.03	91	518489	55.941	ug/L	99
53) m,p-Xylene	9.16	106	195131	56.404	ug/L	98
54) o-xylene	9.56	106	188253	56.484	ug/L	100
55) Styrene	9.58	104	335176	57.859	ug/L	99
56) Isopropylbenzene	9.95	105	513048	57.117	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	175157	60.097	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	140087	56.028	ug/L	100
61) Bromoform	9.75	173	91275	55.903	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	249397	55.184	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	255776	55.061	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	247710	54.227	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	38305	59.423	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	192429	54.010	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	178334	56.209	ug/L	99
69) Naphthalene	13.52	128	523424	65.200	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	181709	58.149	ug/L	100

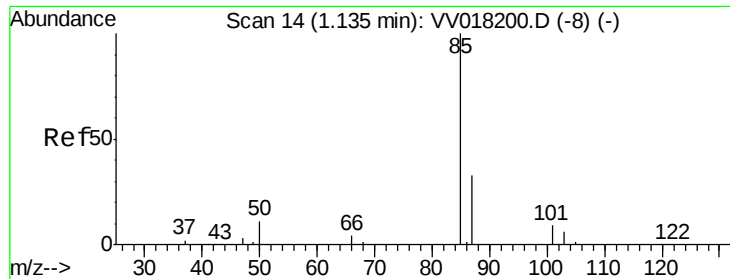
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091420\  
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Operator  : SY/MD  
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ALS Vial  : 15      Sample Multiplier: 1
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Instrument :
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 53.100 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

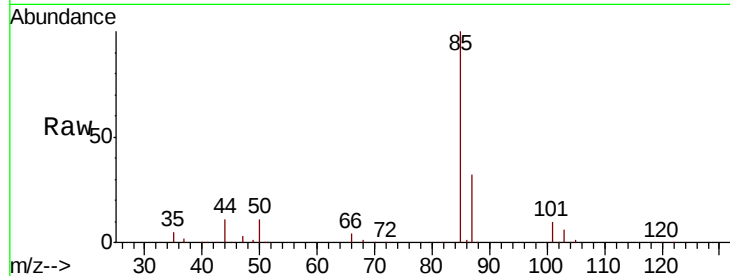
VSTD05069

Tot Ion: 85 Resp: 109731

Ion Ratio Lower Upper

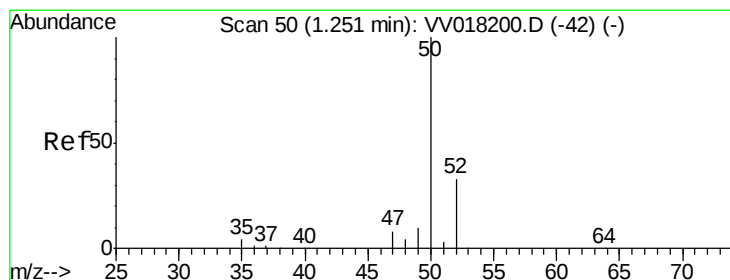
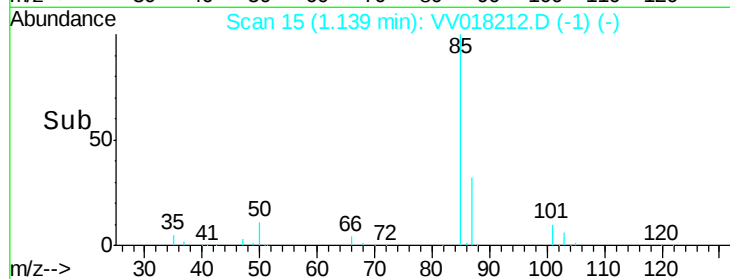
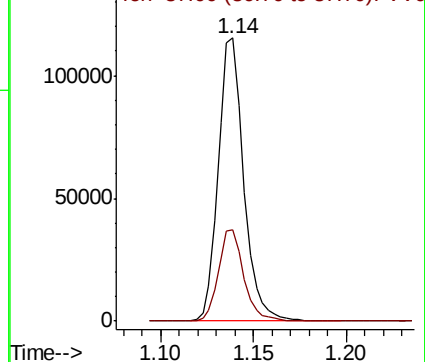
85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 54.874 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018212.D

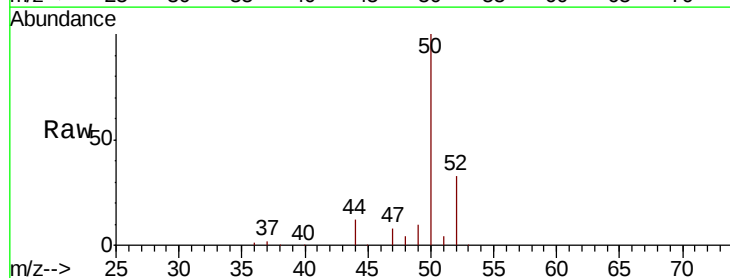
Acq: 14 Sep 2020 18:50

Tgt Ion: 50 Resp: 123823

Ion Ratio Lower Upper

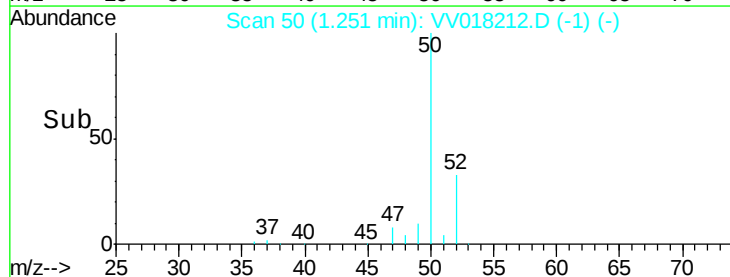
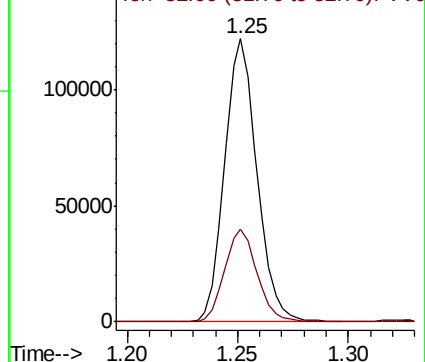
50 100

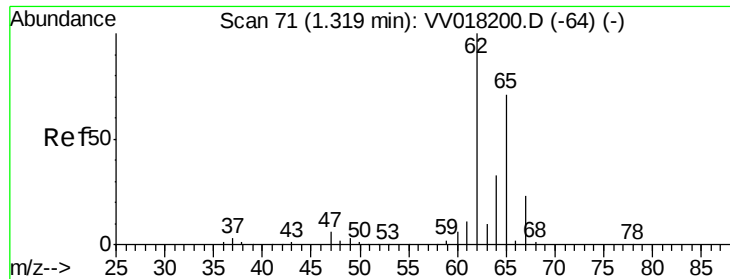
52 32.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 53.975 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

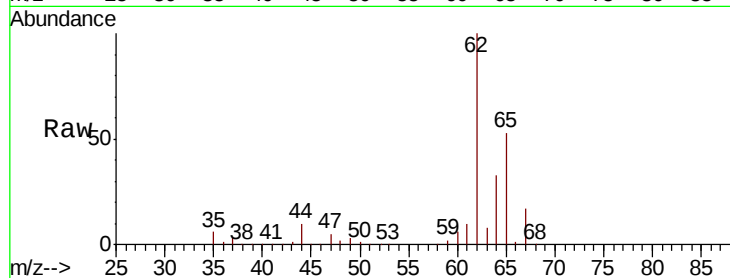
VSTD05069

Tot Ion: 62 Resp: 124894

Ion Ratio Lower Upper

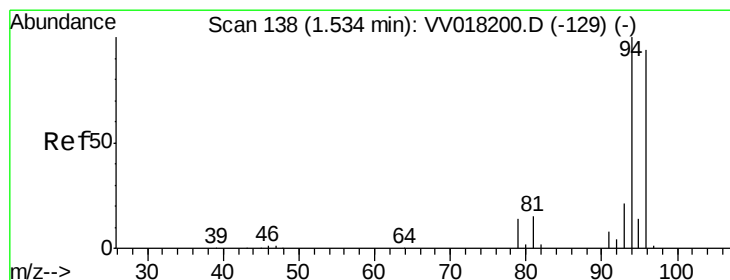
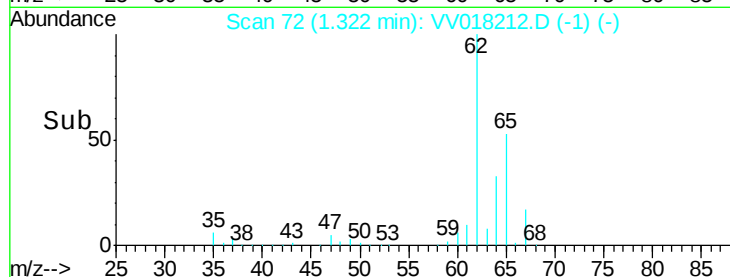
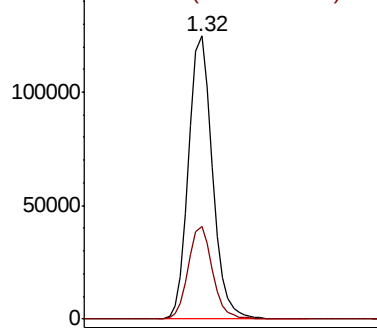
62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 54.675 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018212.D

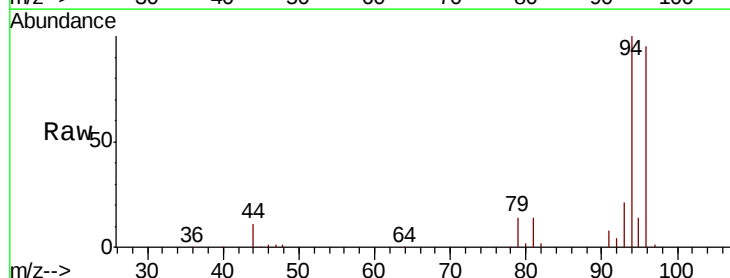
Acq: 14 Sep 2020 18:50

Tgt Ion: 94 Resp: 77328

Ion Ratio Lower Upper

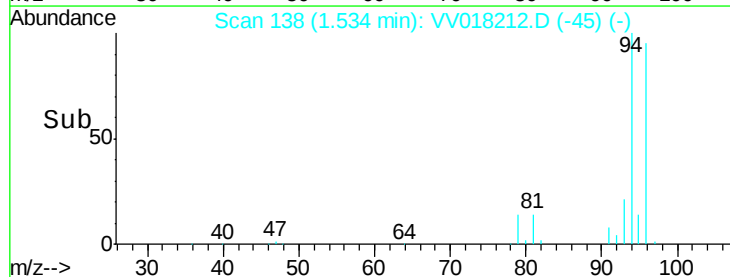
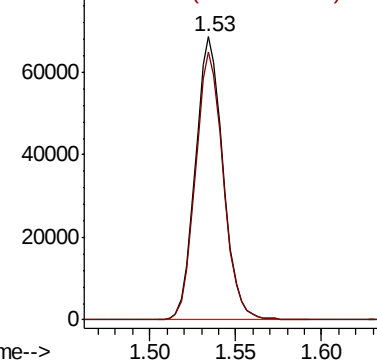
94 100

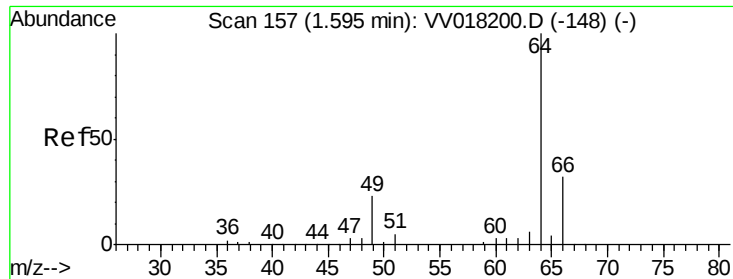
96 94.5 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

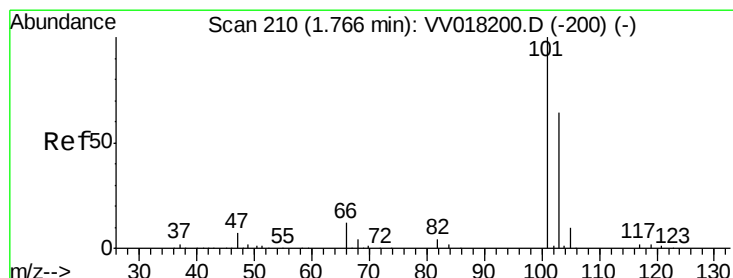
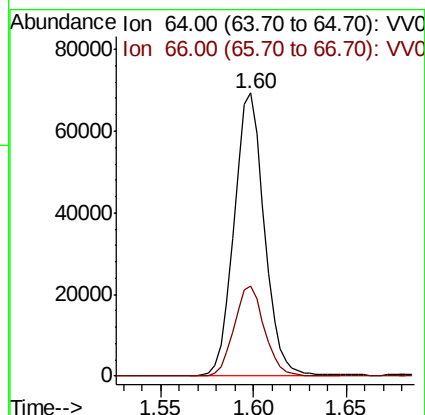
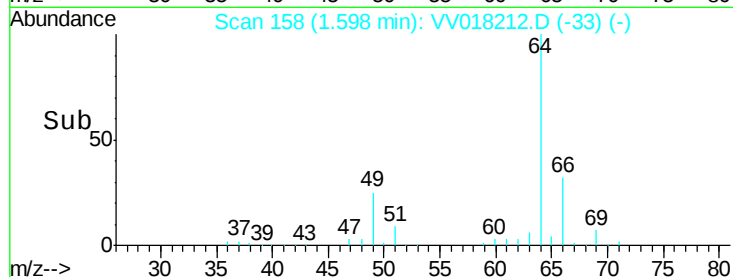
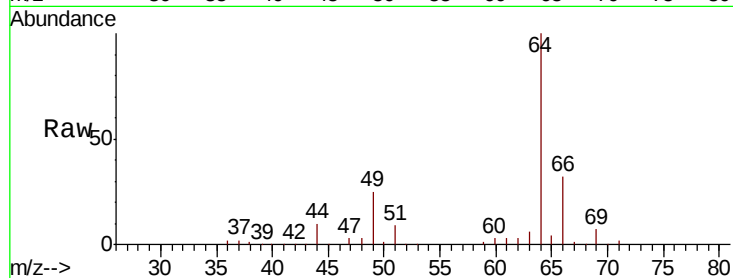




#8
Chloroethane
Concen: 53.679 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

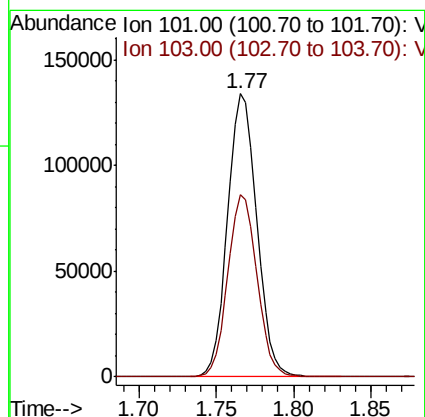
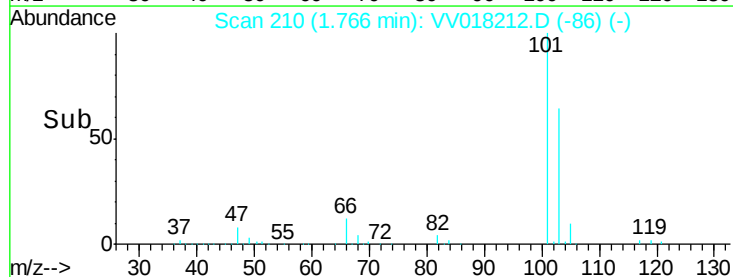
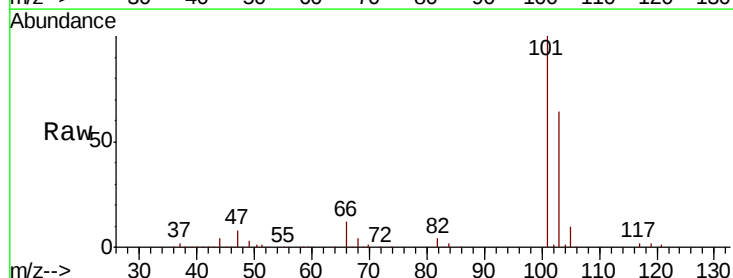
Instrument :
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ClientSampleId :
VSTD05069

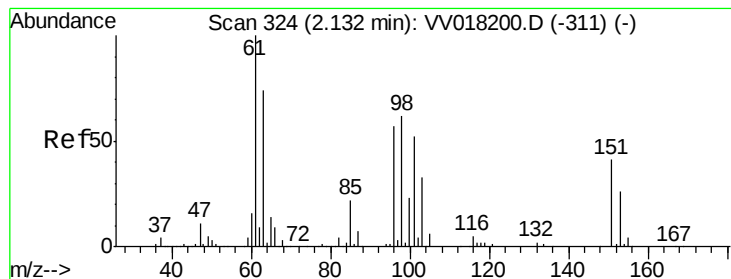
Tot Ion: 64 Resp: 77809
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 54.985 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion:101 Resp: 175056
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.6





#10

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

Concen: 54.467 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

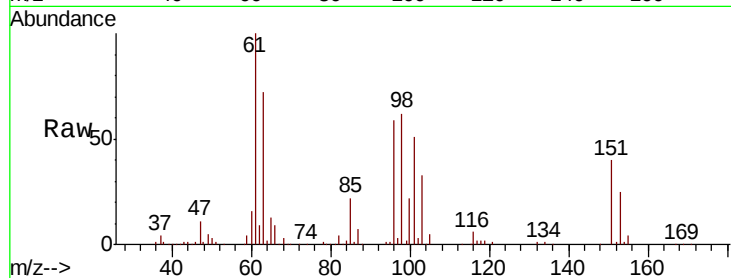
Tot Ion:101 Resp: 104161

Ion Ratio Lower Upper

101 100

85 41.9 33.5 50.3

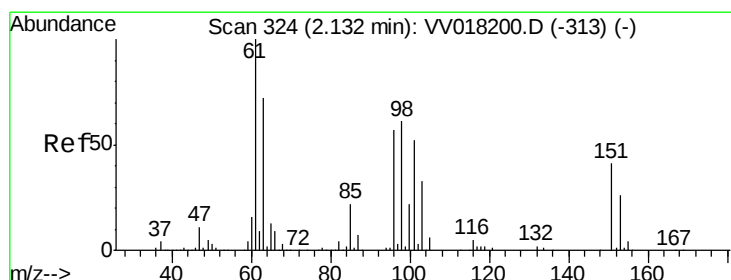
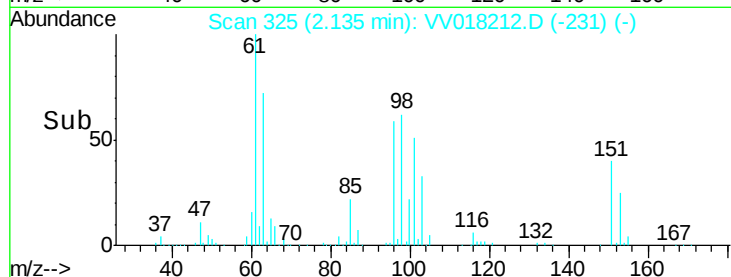
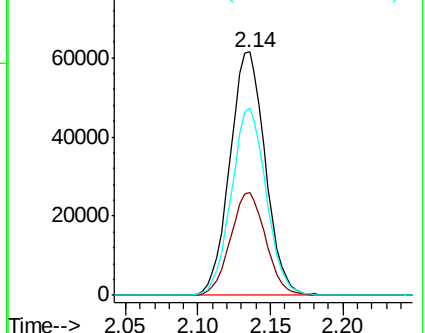
151 75.9 62.2 93.2



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: 54.672 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

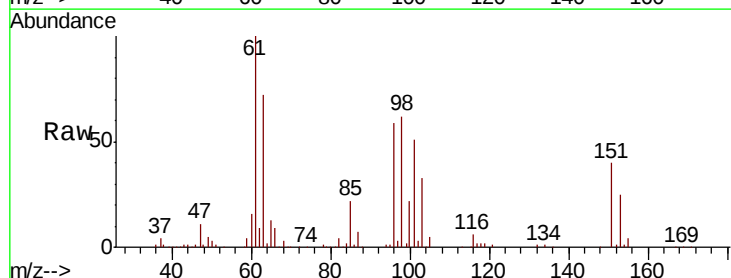
Tgt Ion: 96 Resp: 101732

Ion Ratio Lower Upper

96 100

61 170.6 122.9 228.3

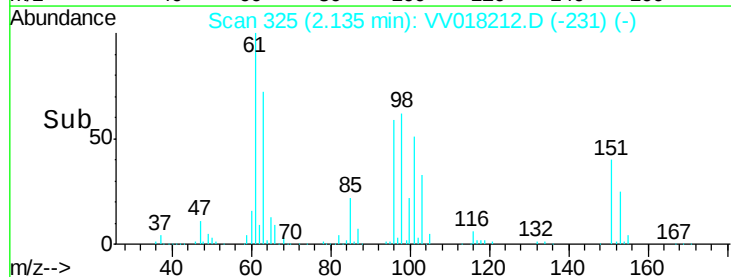
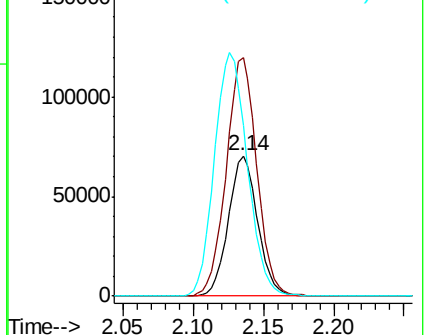
63 122.1 91.9 170.7

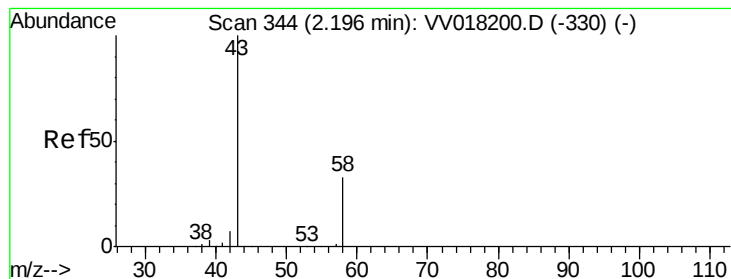


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 94.318 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

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ClientSampleId :

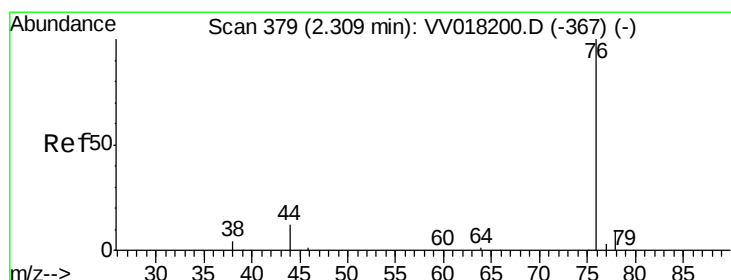
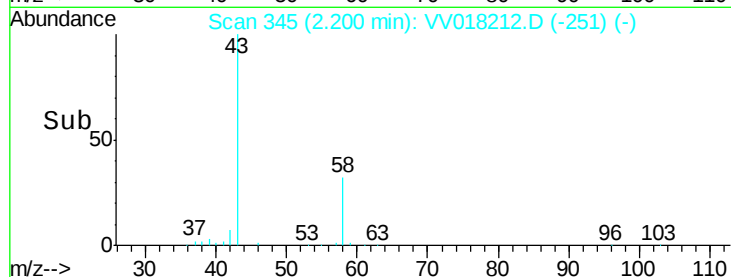
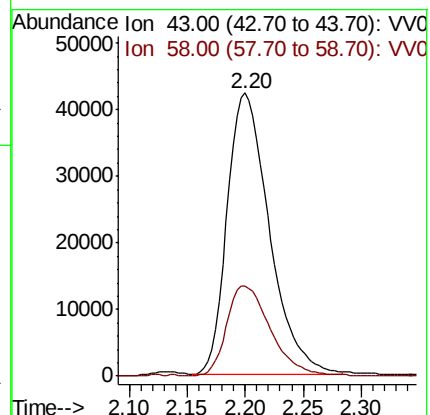
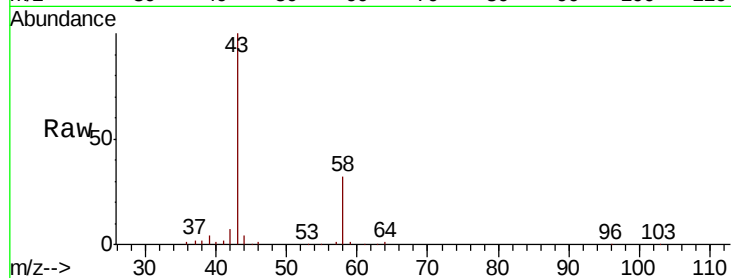
VSTD05069

Tot Ion: 43 Resp: 106766

Ion Ratio Lower Upper

43 100

58 32.9 0.0 67.4



#14

Carbon disulfide

Concen: 52.721 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018212.D

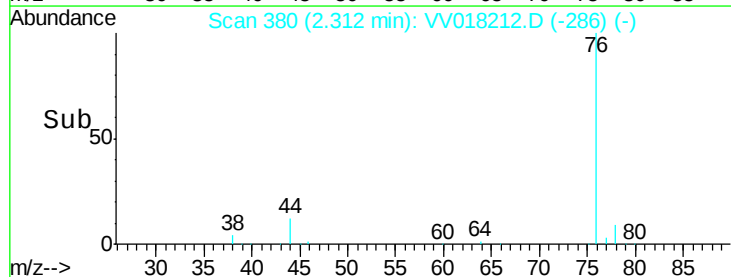
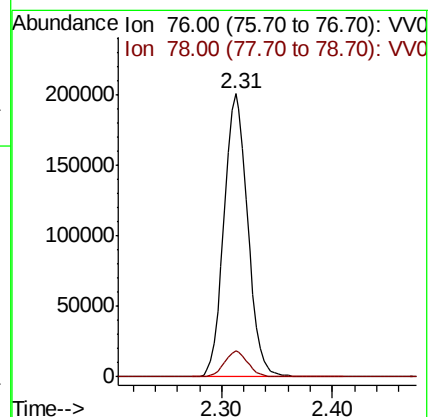
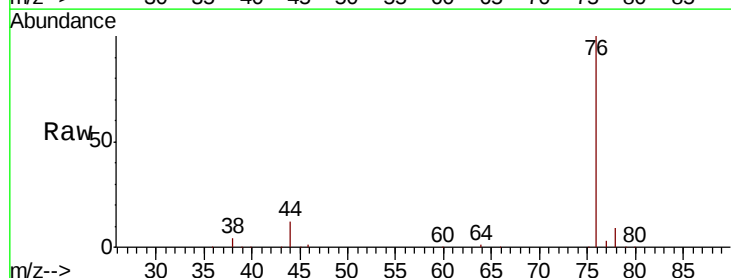
Acq: 14 Sep 2020 18:50

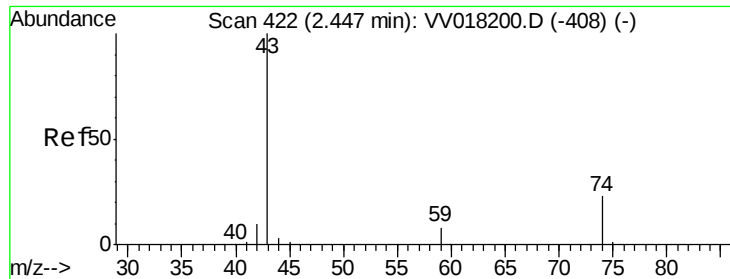
Tgt Ion: 76 Resp: 300186

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

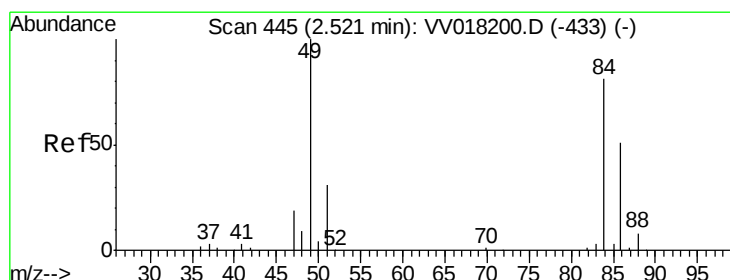
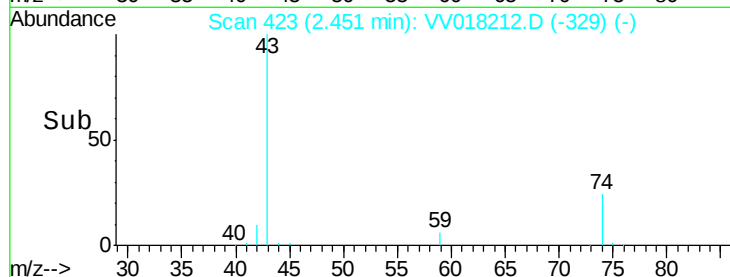
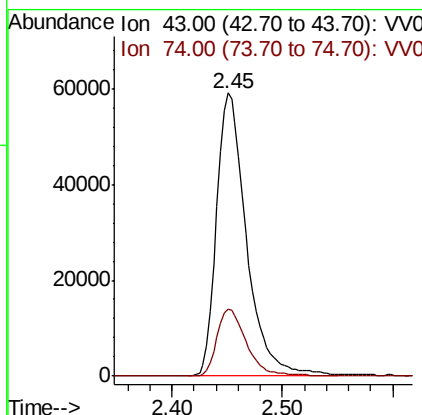
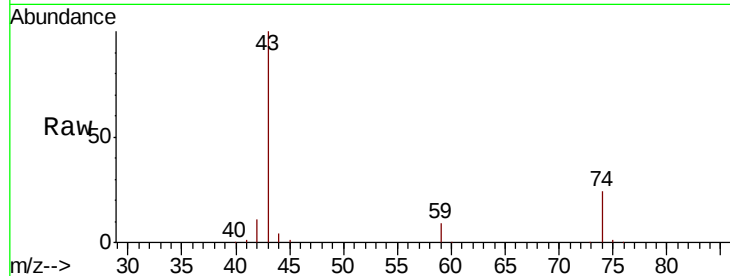




#15
Methvl Acetate
Concen: 54.297 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

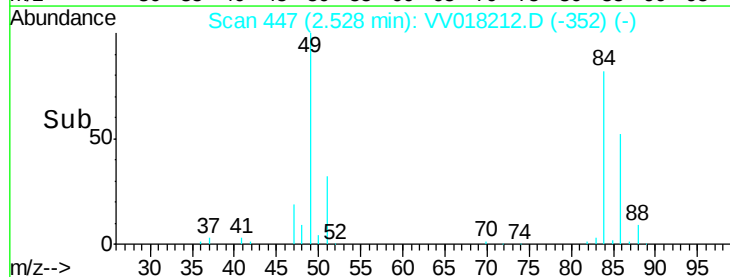
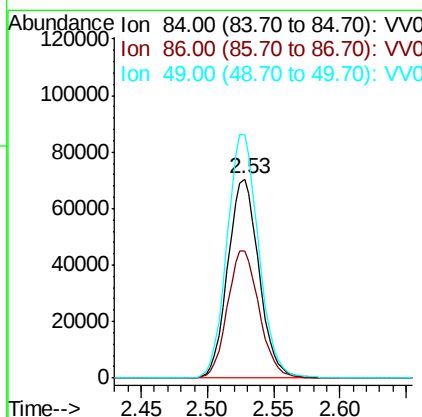
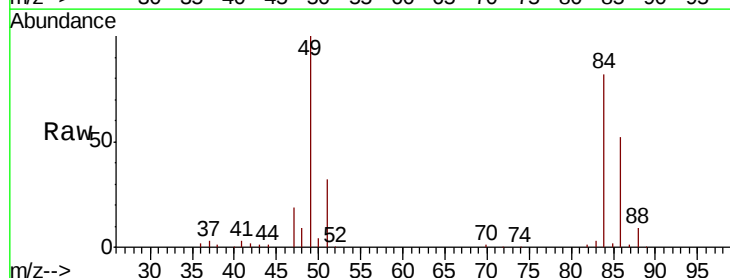
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

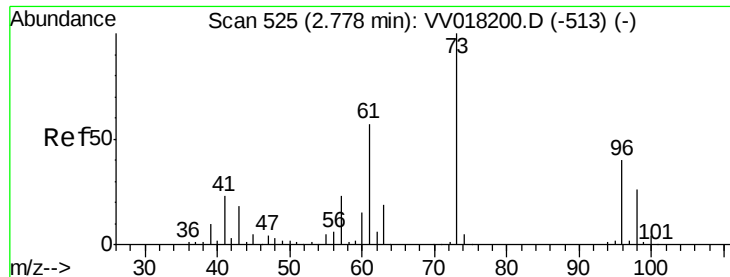
Tot Ion: 43 Resp: 110457
Ion Ratio Lower Upper
43 100
74 23.8 18.4 27.6



#16
Methylene chloride
Concen: 55.404 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion: 84 Resp: 115622
Ion Ratio Lower Upper
84 100
86 63.7 44.4 82.4
49 122.2 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 54.917 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

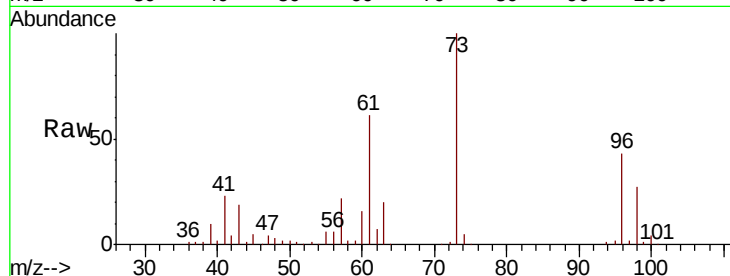
Tot Ion: 96 Resp: 105313

Ion Ratio Lower Upper

96 100

61 142.5 100.7 186.9

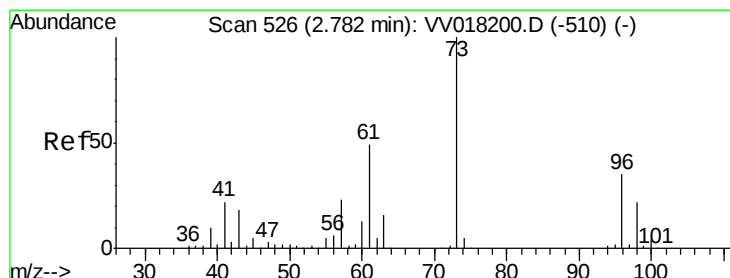
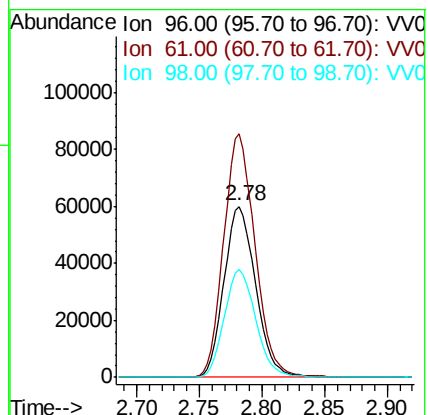
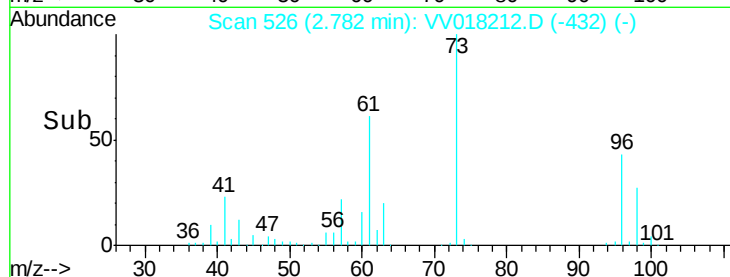
98 62.8 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018212.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018212.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018212.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 54.097 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

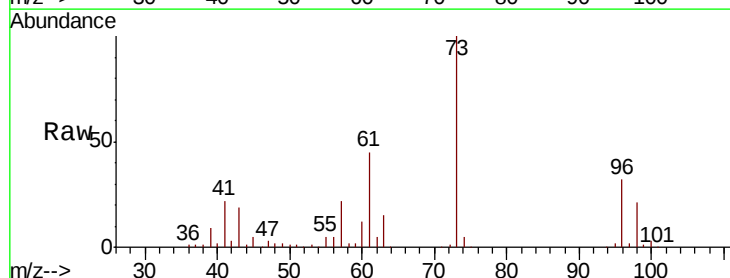
Tgt Ion: 73 Resp: 320905

Ion Ratio Lower Upper

73 100

43 18.9 15.4 23.0

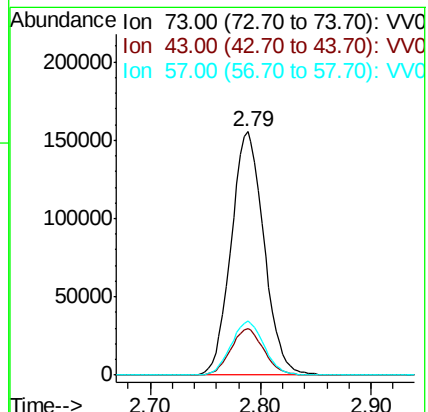
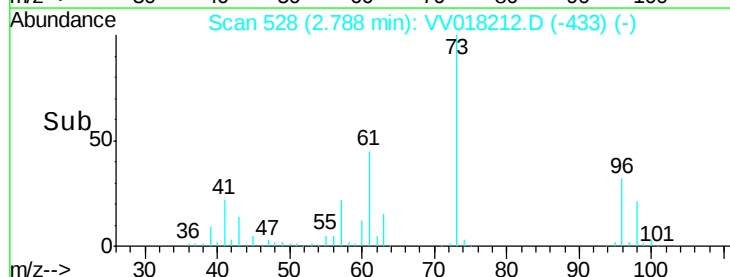
57 22.3 18.0 27.0

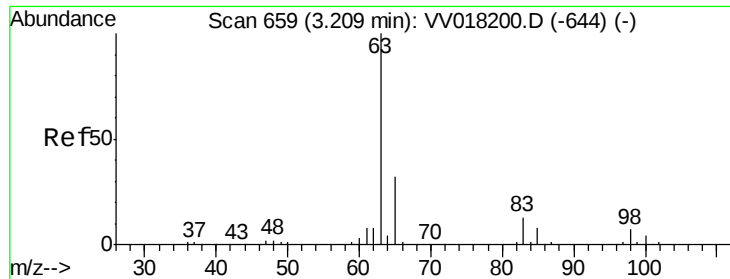


Abundance Ion 73.00 (72.70 to 73.70): VV018212.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV018212.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV018212.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 54.153 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

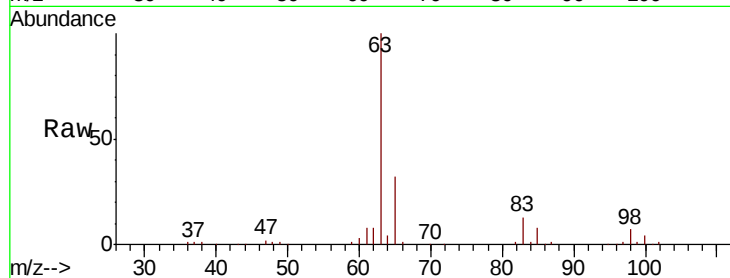
Tot Ion: 63 Resp: 196347

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

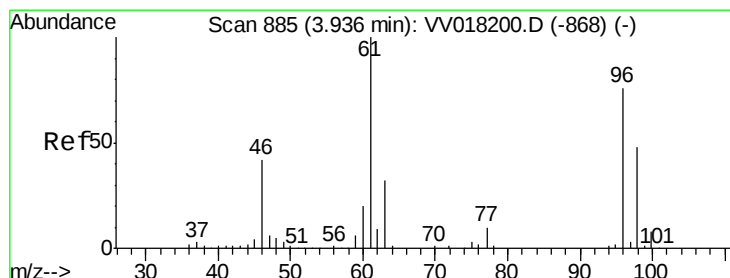
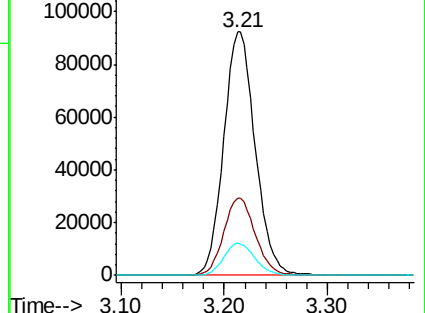
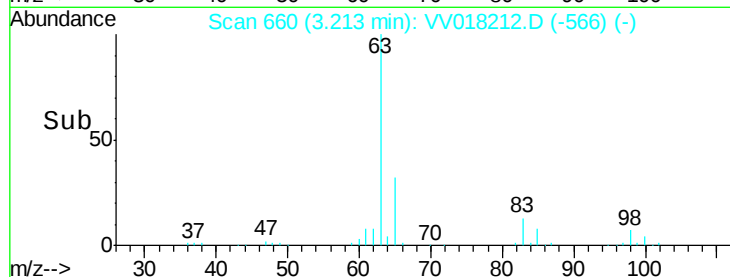
83 13.1 9.3 17.3



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: 54.951 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

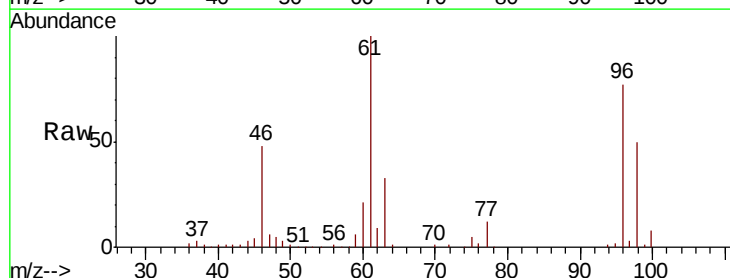
Tgt Ion: 96 Resp: 112646

Ion Ratio Lower Upper

96 100

61 130.0 93.6 173.8

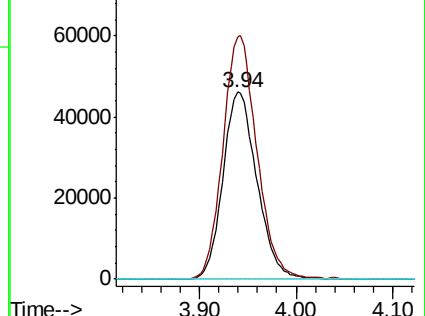
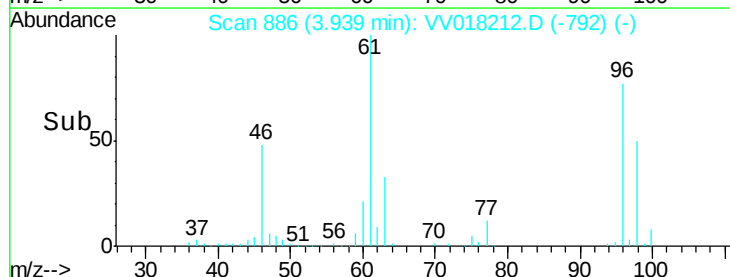
68 0.0 0.0 0.0

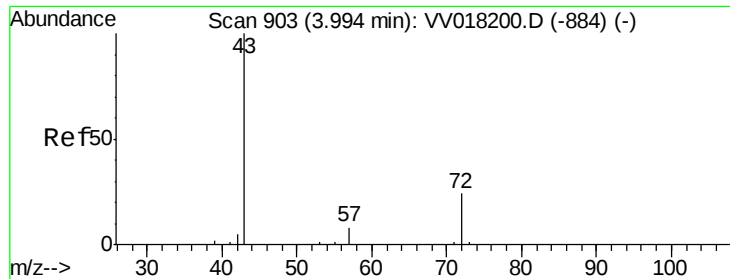


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 111.452 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampled :

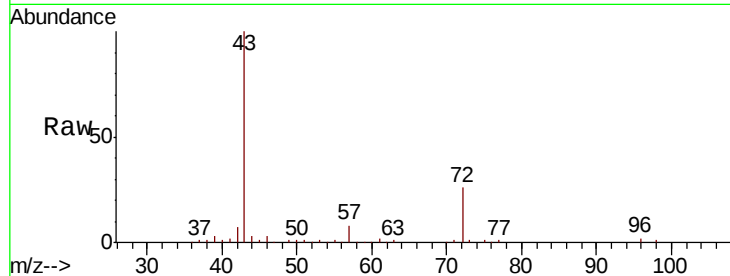
VSTD05069

Tot Ion: 43 Resp: 149393

Ion Ratio Lower Upper

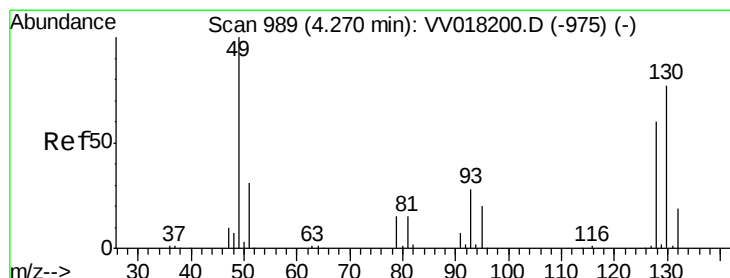
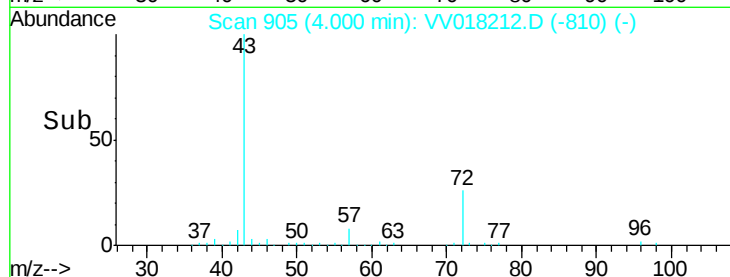
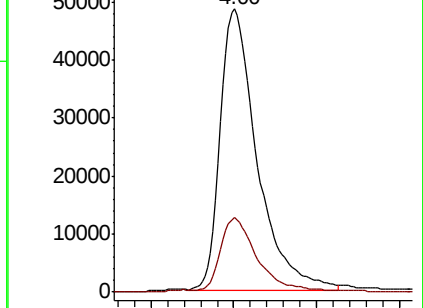
43 100

72 23.7 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018212.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018212.D (-810) (-)



#23

Bromochloromethane

Concen: 54.820 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Tgt Ion: 128 Resp: 58797

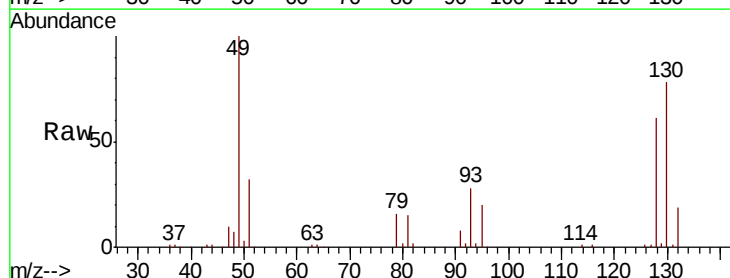
Ion Ratio Lower Upper

128 100

49 164.5 114.4 212.6

130 128.7 87.9 163.3

51 52.7 41.8 62.8

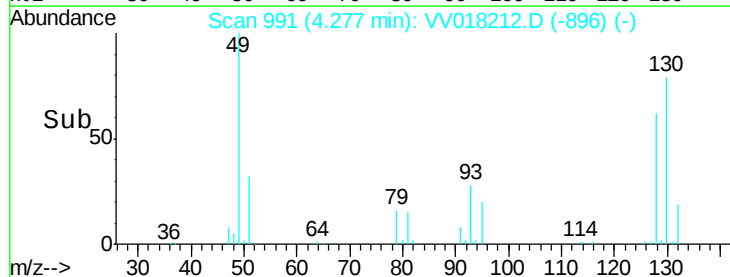
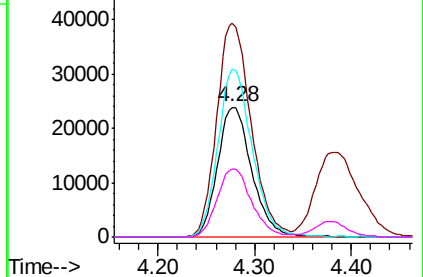


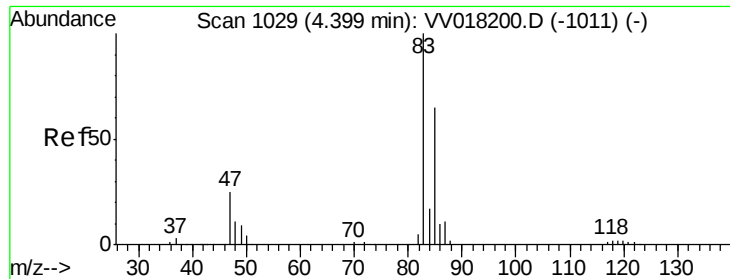
Abundance Ion 128.00 (127.70 to 128.70): VV018212.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018212.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018212.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018212.D (-896) (-)

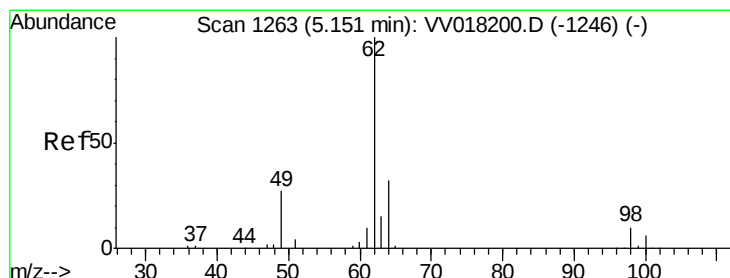
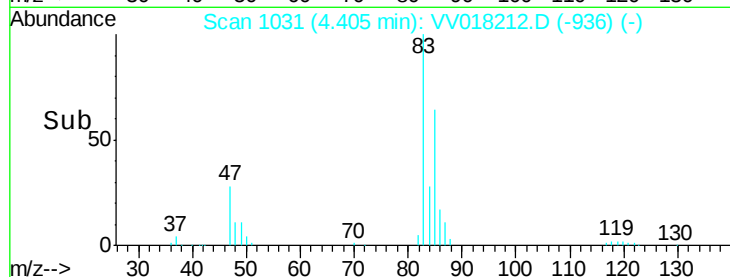
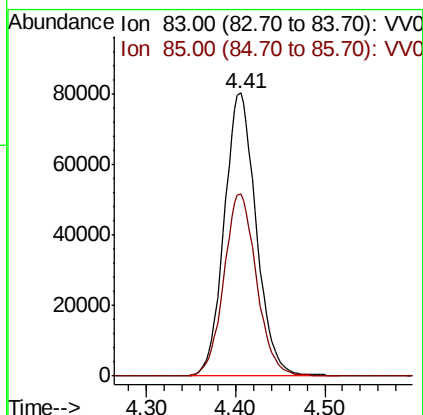
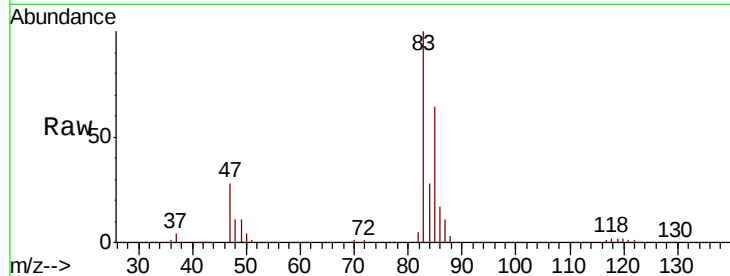




#25
Chloroform
Concen: 54.033 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

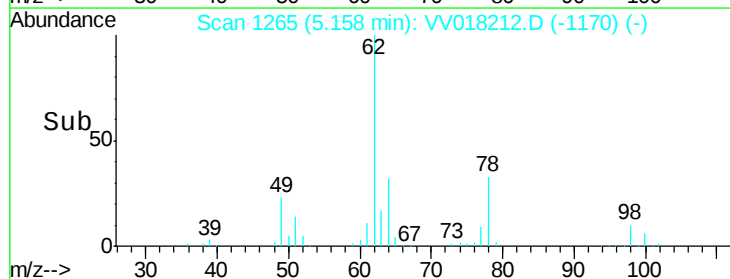
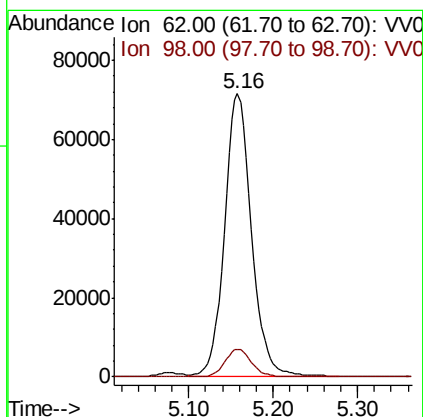
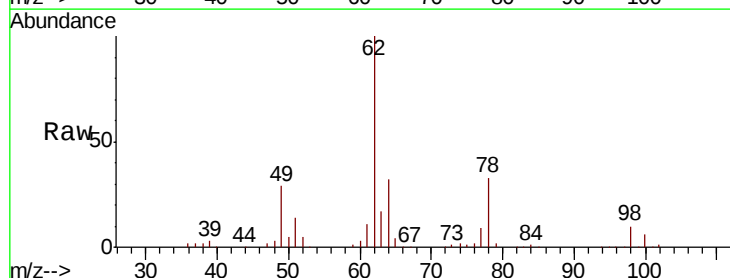
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

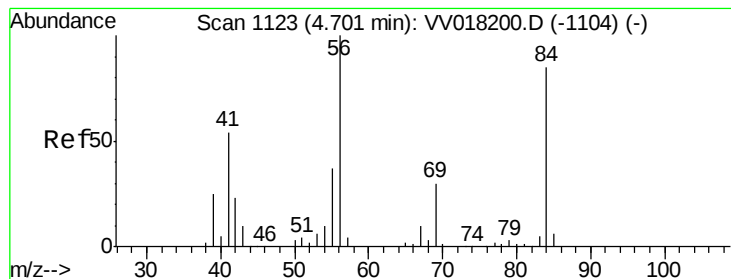
Tot Ion: 83 Resp: 199142
Ion Ratio Lower Upper
83 100
85 64.2 45.0 83.6



#27
1,2-Dichloroethane
Concen: 55.333 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion: 62 Resp: 157875
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4





#29

Cyclohexane

Concen: 54.057 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

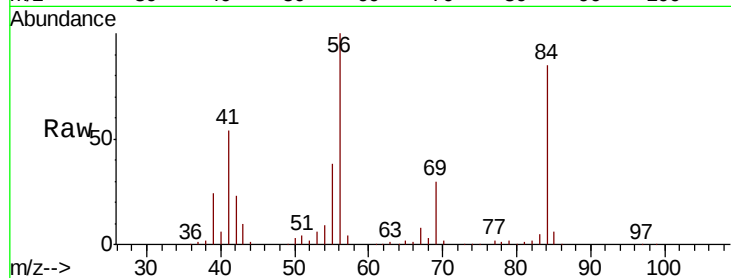
Tot Ion: 56 Resp: 175144

Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

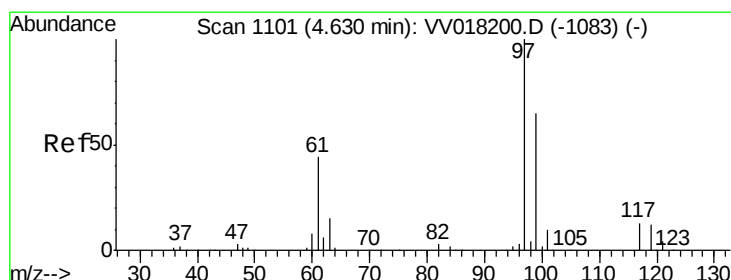
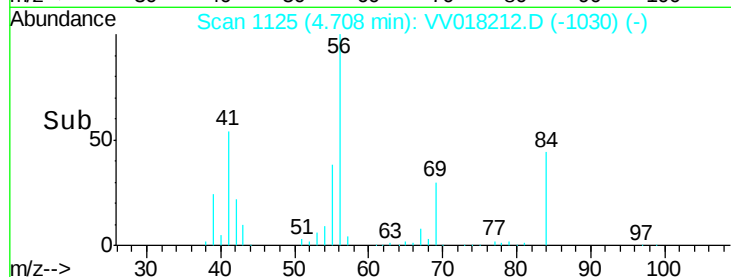
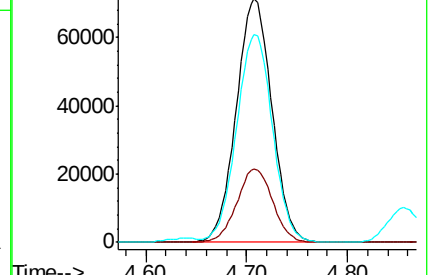
84 86.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018212.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV018212.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV018212.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 54.202 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

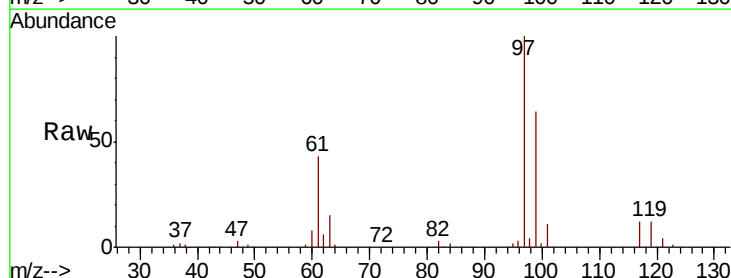
Tgt Ion: 97 Resp: 176495

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

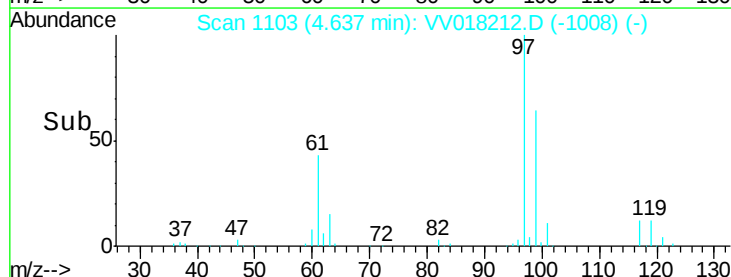
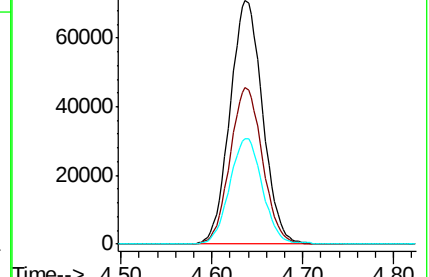
61 43.7 34.9 52.3

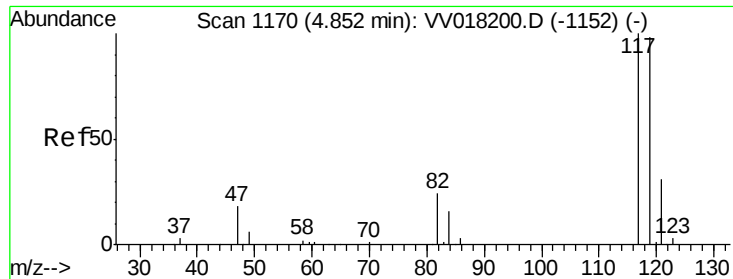


Abundance Ion 97.00 (96.70 to 97.70): VV018212.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VV018212.D (-1008) (-)

Ion 61.05 (60.75 to 61.75): VV018212.D (-1008) (-)

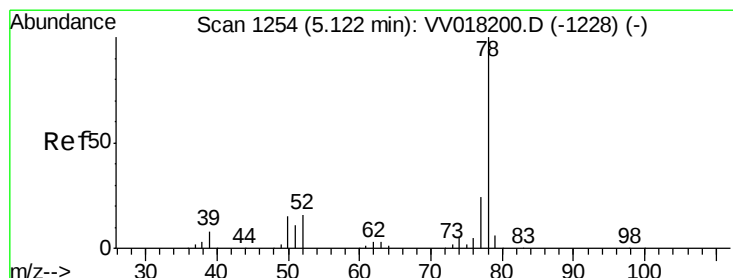
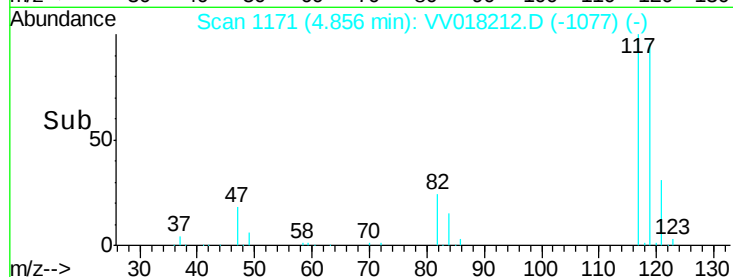
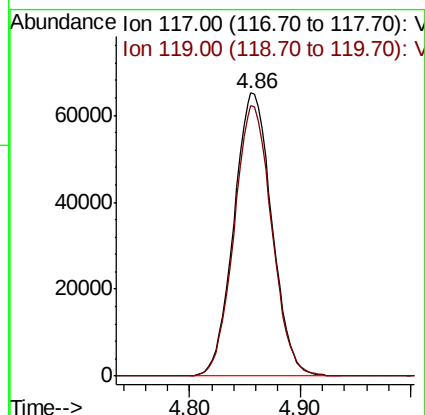
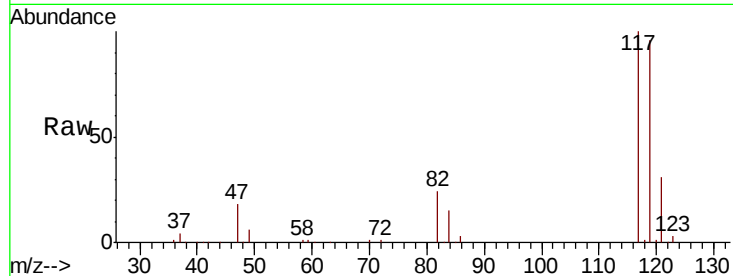




#31
Carbon tetrachloride
Concen: 54.257 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

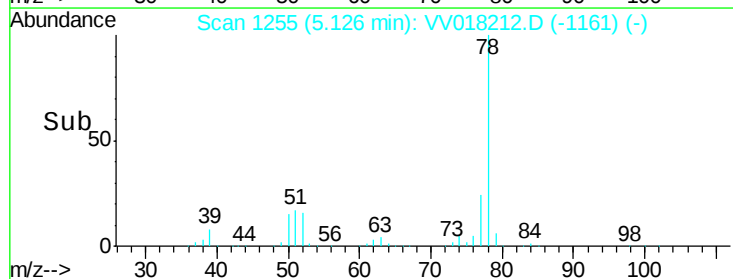
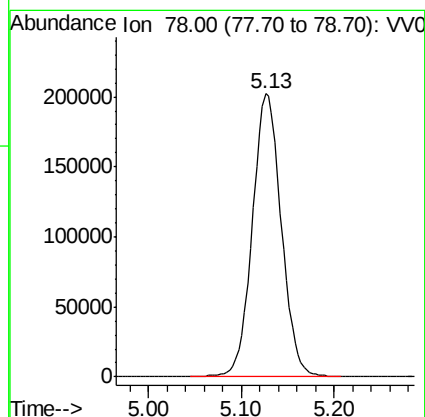
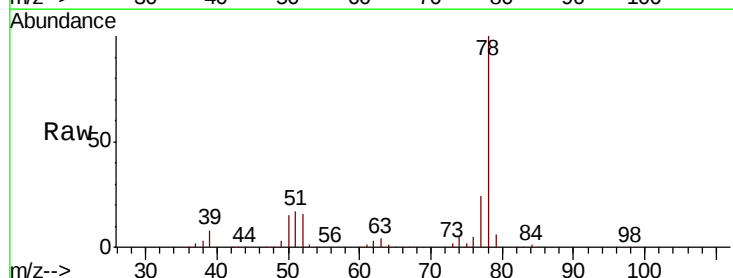
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

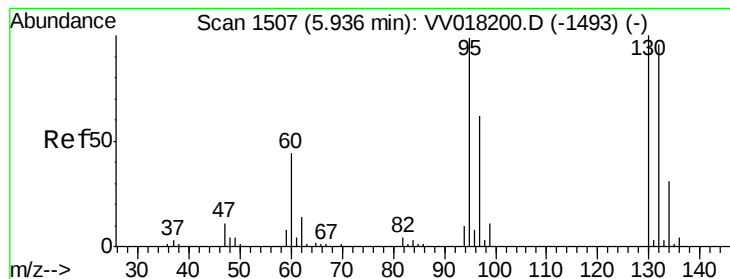
Tot Ion:117 Resp: 155350
Ion Ratio Lower Upper
117 100
119 94.9 75.7 113.5



#33
Benzene
Concen: 54.617 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion: 78 Resp: 438143





#34

Trichloroethene

Concen: 50.609 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

Tot Ion: 95 Resp: 110598

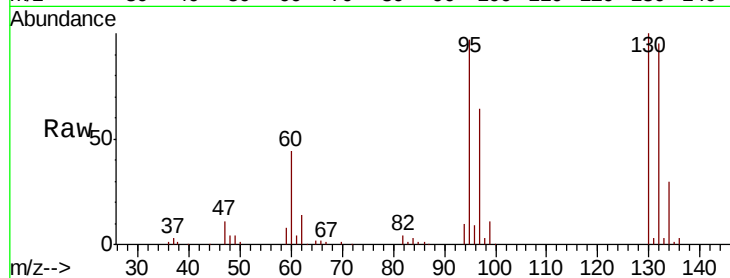
Ion Ratio Lower Upper

95 100

97 65.2 46.3 85.9

132 97.6 68.1 126.5

130 102.6 71.5 132.9

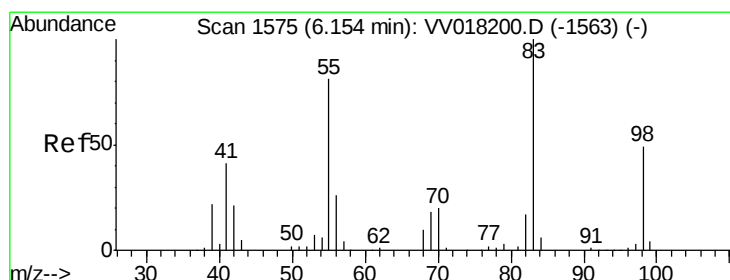
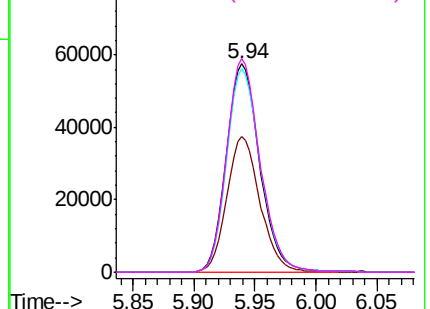
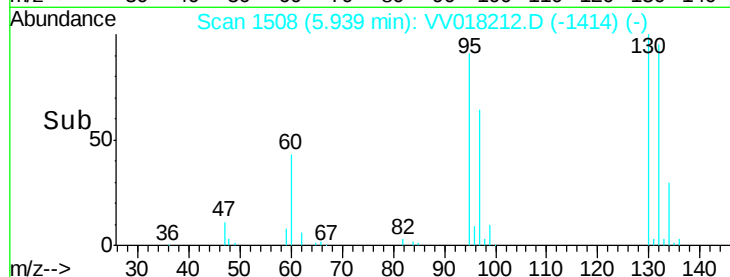


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.167 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

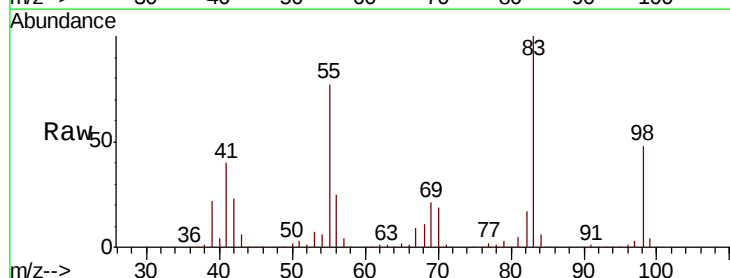
Tgt Ion: 83 Resp: 178227

Ion Ratio Lower Upper

83 100

55 78.2 63.4 95.2

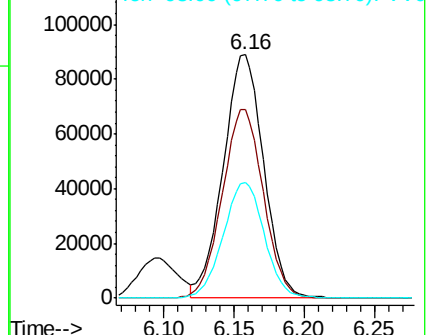
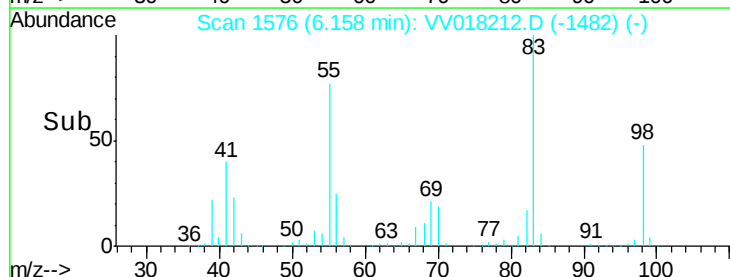
98 48.3 38.8 58.2

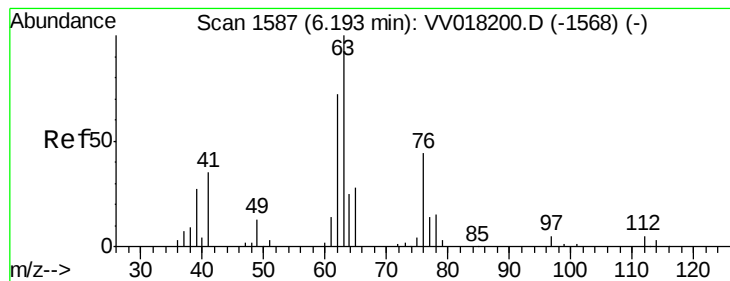


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 54.468 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.01 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

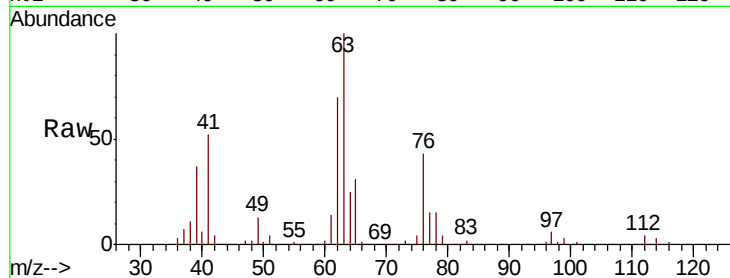
VSTD05069

Tot Ion: 63 Resp: 115787

Ion Ratio Lower Upper

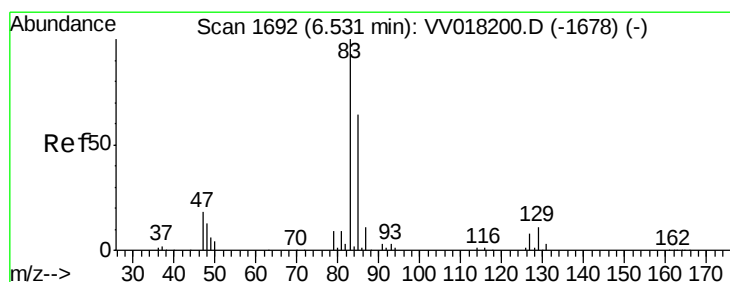
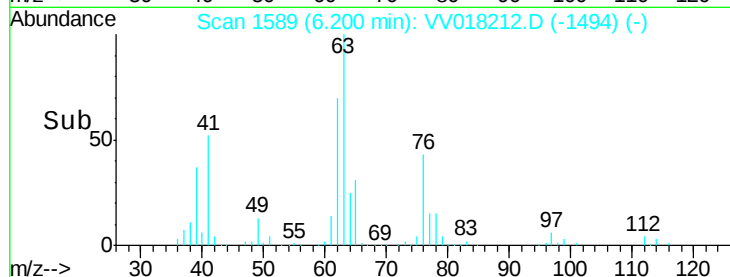
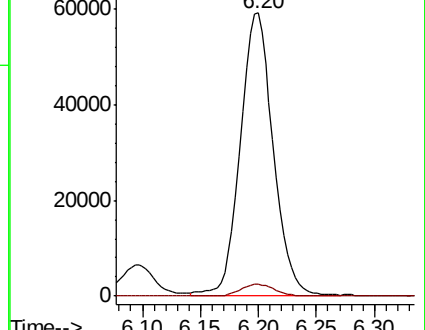
63 100

112 4.3 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VV018212.D (-1494) (-)

Ion 112.00 (111.70 to 112.70): VV018212.D (-1494) (-)



#38

Bromodichloromethane

Concen: 54.005 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

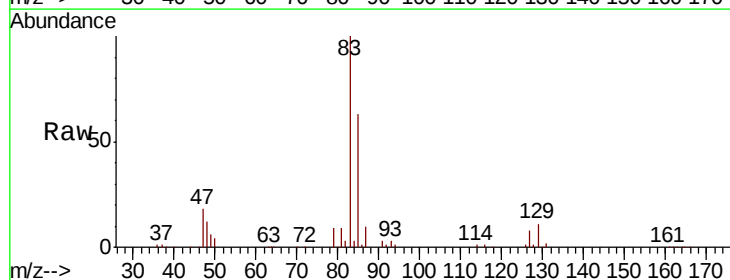
Tgt Ion: 83 Resp: 149397

Ion Ratio Lower Upper

83 100

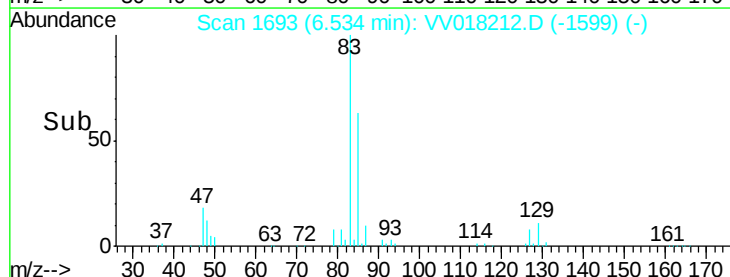
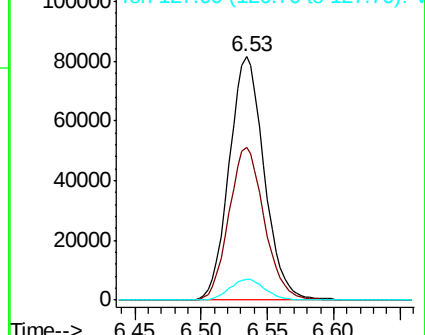
85 62.8 44.7 82.9

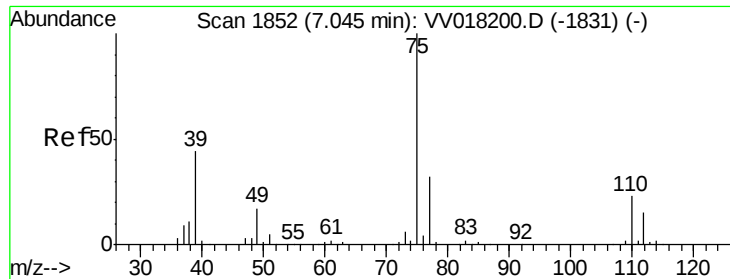
127 8.4 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV018212.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018212.D (-1599) (-)



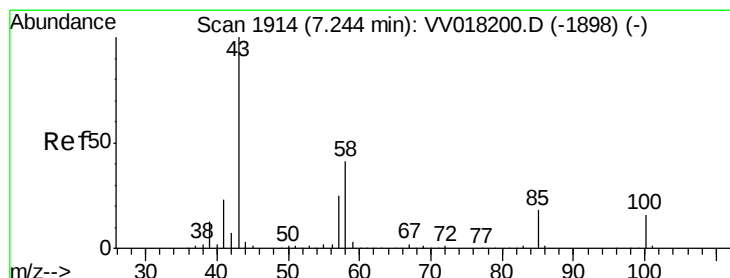
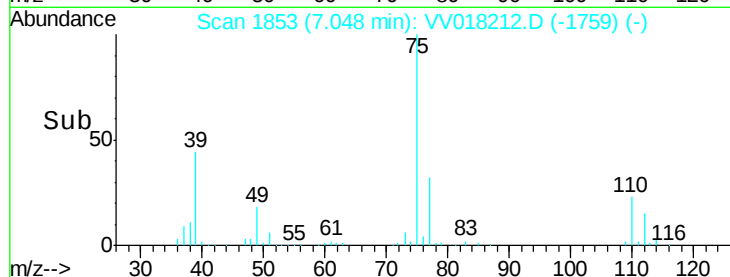
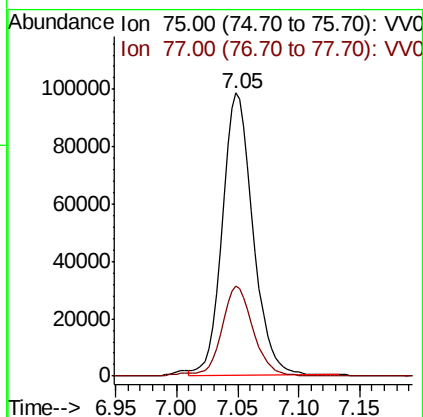
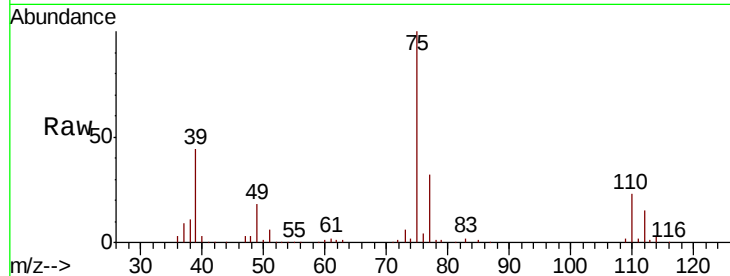


#39

cis-1,3-Dichloropropene
Concen: 53.016 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

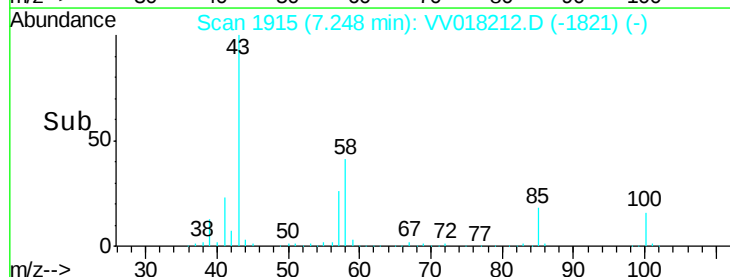
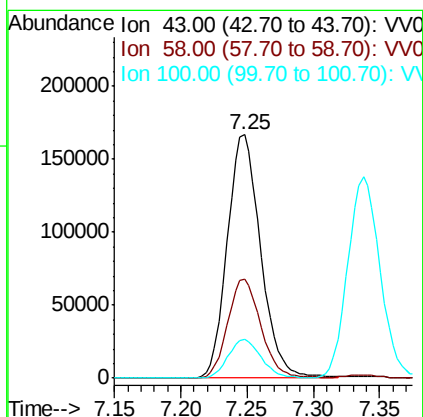
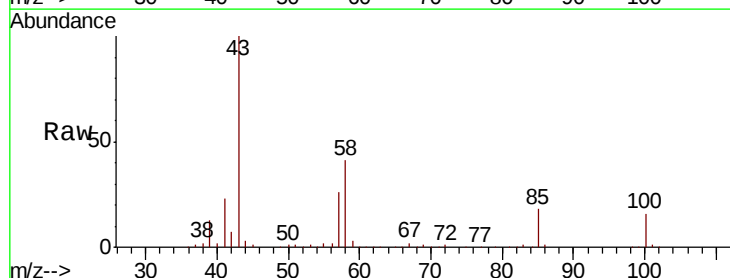
Tot Ion: 75 Resp: 173643
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.3

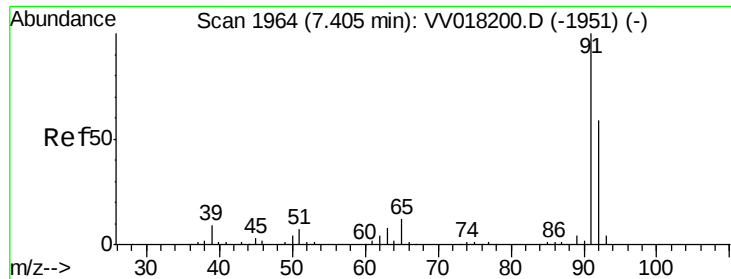


#40

4-Methyl-2-pentanone
Concen: 113.555 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion: 43 Resp: 292849
Ion Ratio Lower Upper
43 100
58 40.3 32.4 48.6
100 15.7 12.7 19.1





#42

Toluene

Concen: 55.768 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

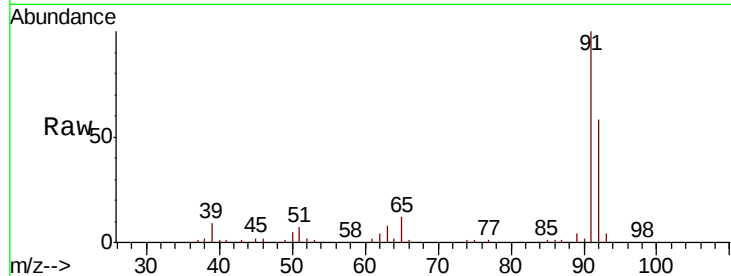
VSTD05069

Tot Ion: 91 Resp: 473451

Ion Ratio Lower Upper

91 100

92 57.7 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

250000

200000

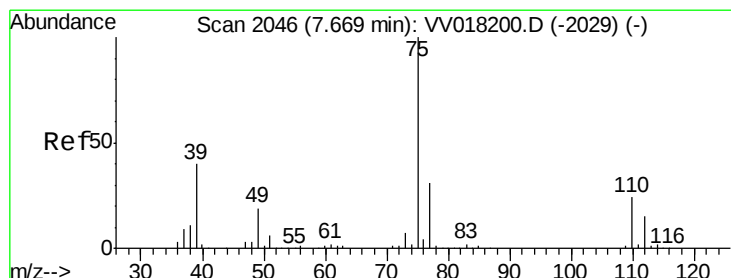
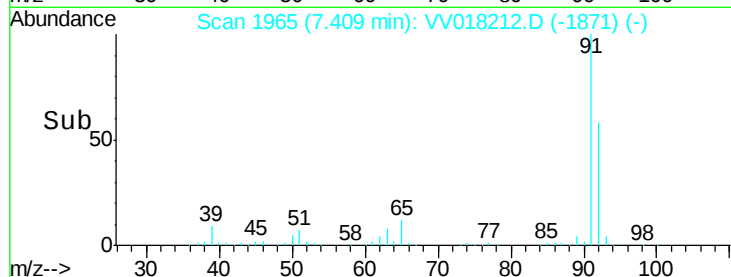
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 54.868 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018212.D

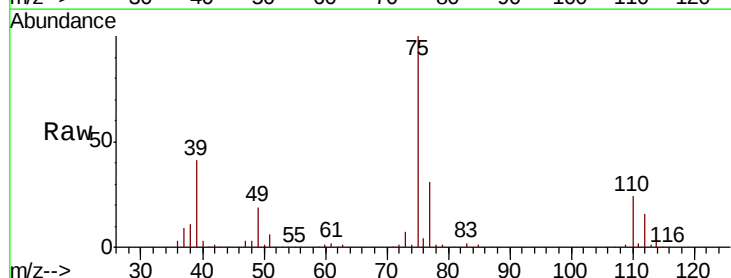
Acq: 14 Sep 2020 18:50

Tgt Ion: 75 Resp: 174977

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

120000

100000

80000

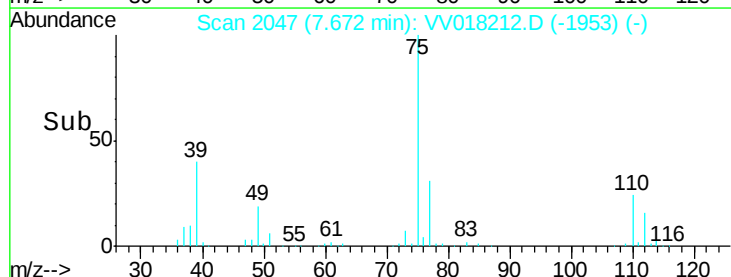
60000

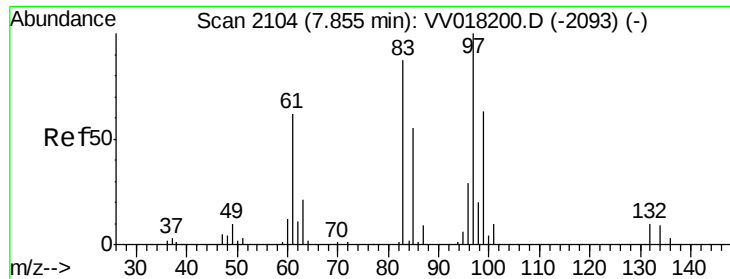
40000

20000

0

Time--> 7.60 7.70 7.80

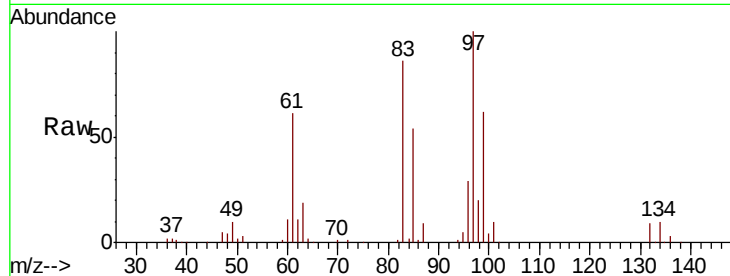




#45
1,1,2-Trichloroethane
Concen: 55.362 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:	97	Resp:	109081
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.7	81.1
83	85.6	59.9	111.3
85	54.4	37.6	69.8



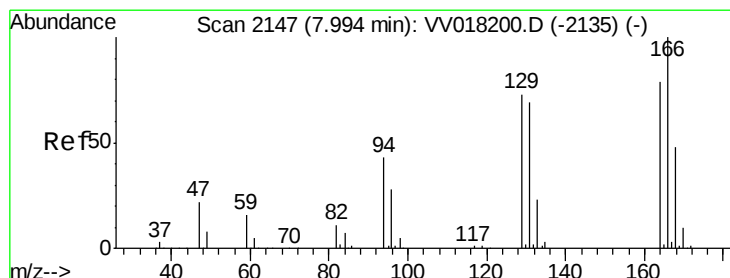
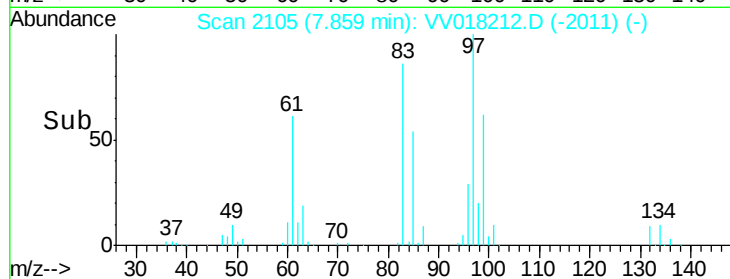
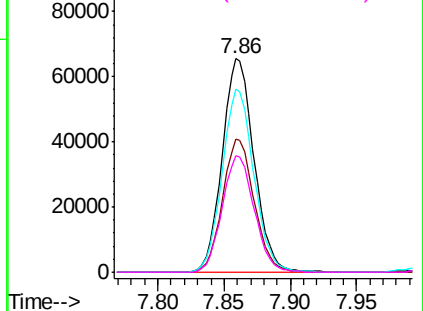
Abundance

Ion 97.00 (96.70 to 97.70): VV018212.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018212.D (-2093) (-)

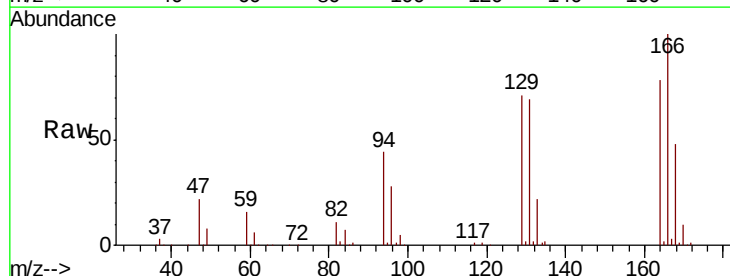
Ion 83.00 (82.70 to 83.70): VV018212.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018212.D (-2093) (-)



#46
Tetrachloroethene
Concen: 54.499 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion:	164	Resp:	93381
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.5	119.7
131	88.7	61.8	114.8
166	128.5	90.6	168.2



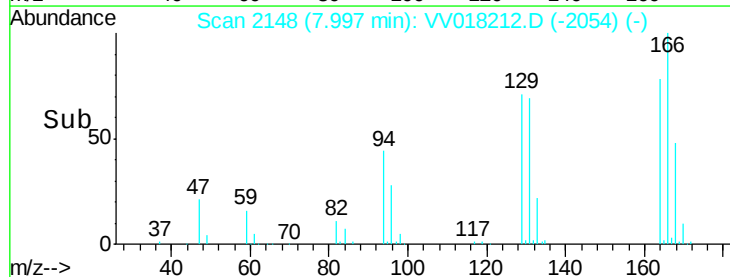
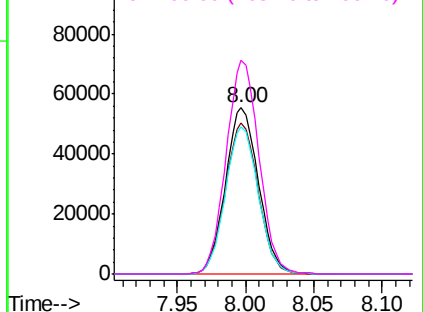
Abundance

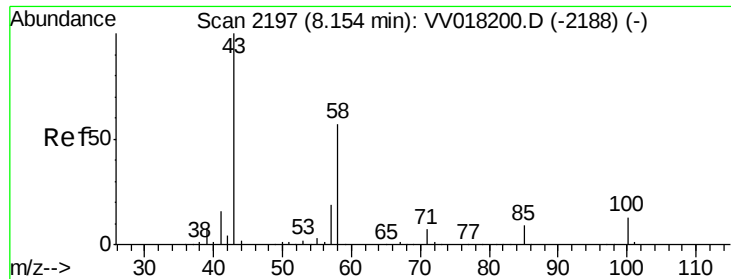
Ion 164.00 (163.70 to 164.70): VV018212.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018212.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018212.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018212.D (-2054) (-)

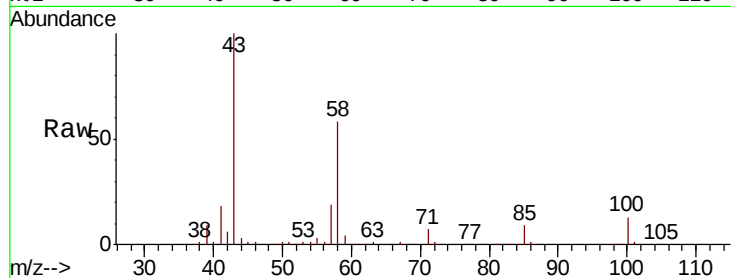




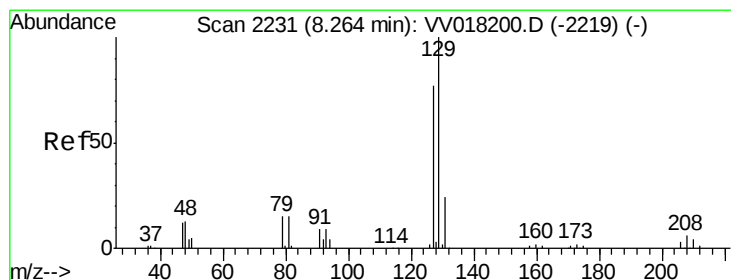
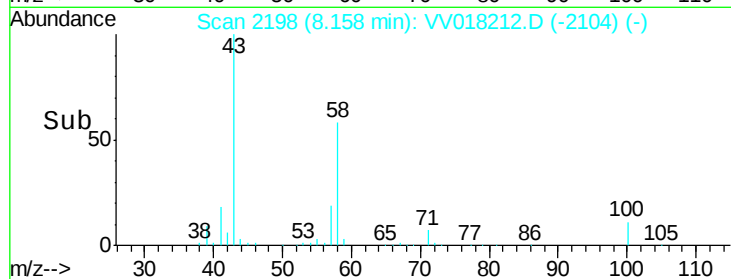
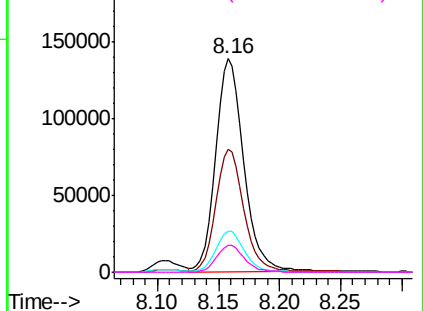
#48
2-Hexanone
Concen: 111.143 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion: 43 Resp: 225972
Ion Ratio Lower Upper
43 100
58 57.3 44.8 67.2
57 19.7 15.8 23.6
100 12.8 10.2 15.4

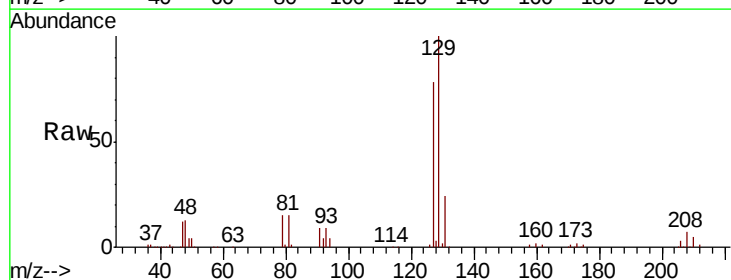


Abundance Ion 43.00 (42.70 to 43.70): VV018212.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV018212.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV018212.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV018212.D (-2198) (-)

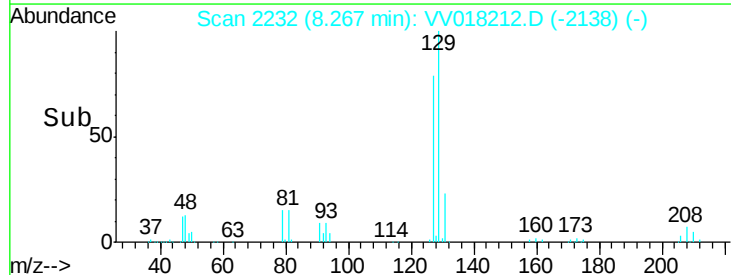
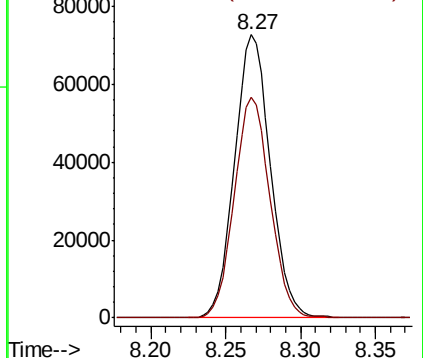


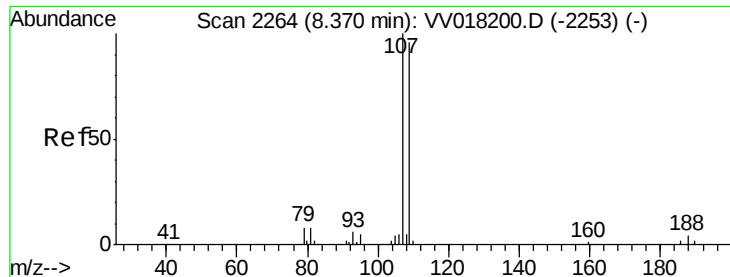
#49
Dibromochloromethane
Concen: 54.751 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion: 129 Resp: 121089
Ion Ratio Lower Upper
129 100
127 78.1 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018212.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018212.D (-2231) (-)

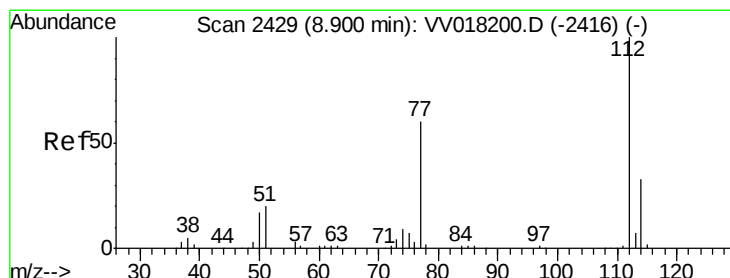
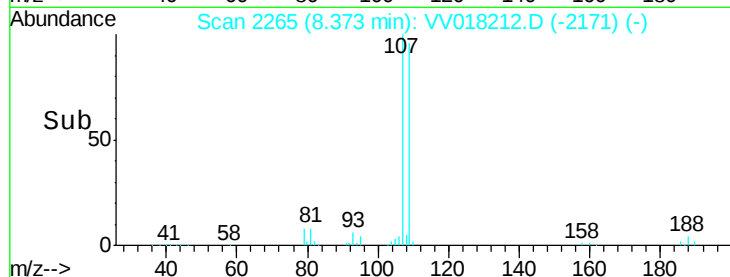
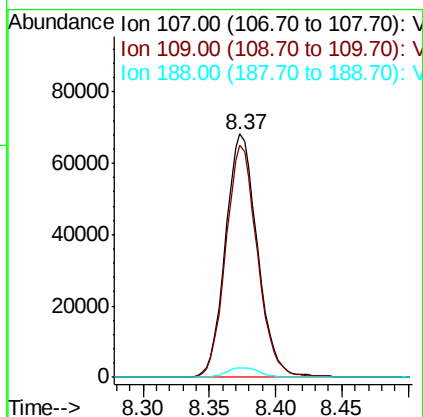
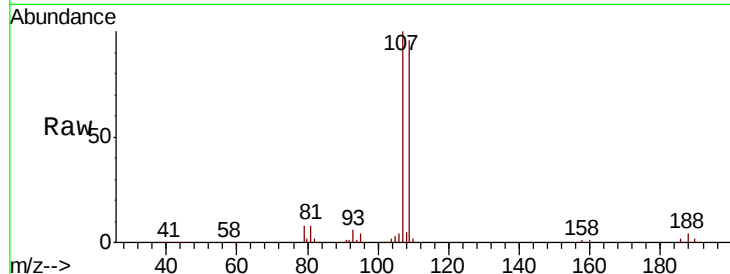




#50
1,2-Dibromoethane
Concen: 55.223 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

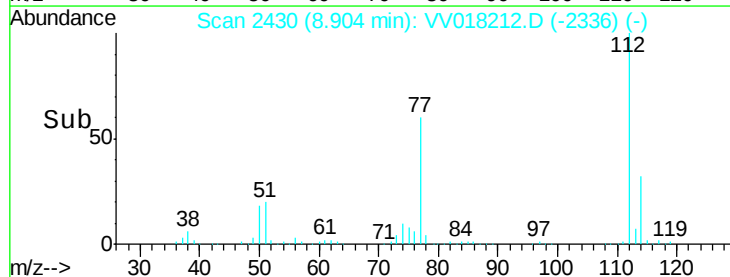
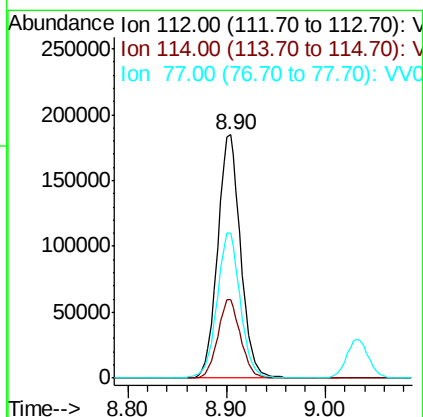
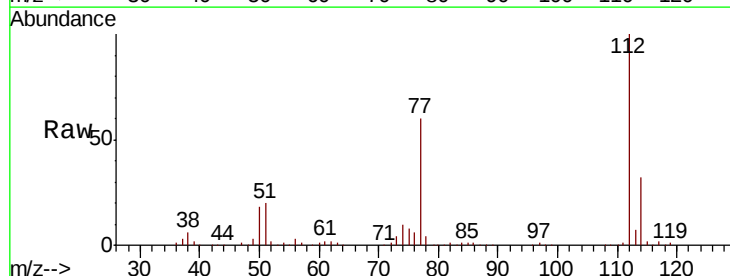
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

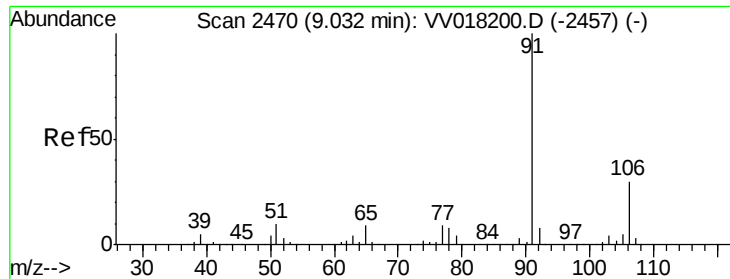
Tot Ion:107 Resp: 114514
Ion Ratio Lower Upper
107 100
109 95.6 66.1 122.8
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 54.684 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018212.D
Acq: 14 Sep 2020 18:50

Tgt Ion:112 Resp: 301494
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 59.6 48.0 72.0





#52

Ethylbenzene

Concen: 55.941 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

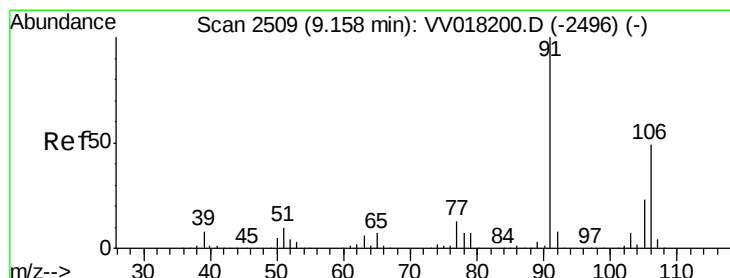
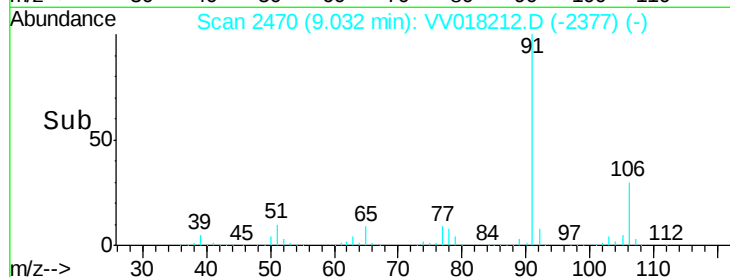
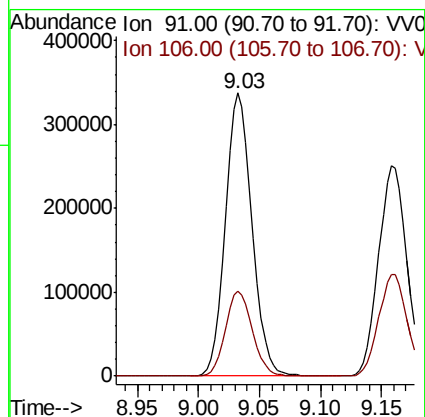
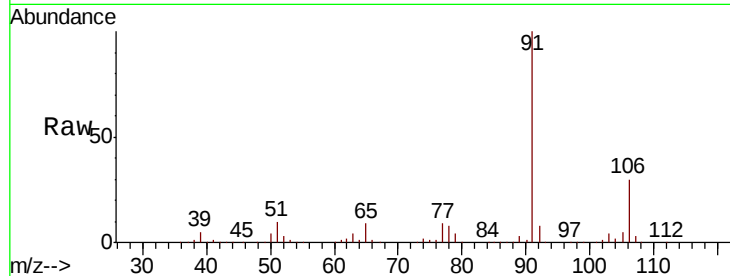
VSTD05069

Tot Ion: 91 Resp: 518489

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



#53

m,p-Xylene

Concen: 56.404 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018212.D

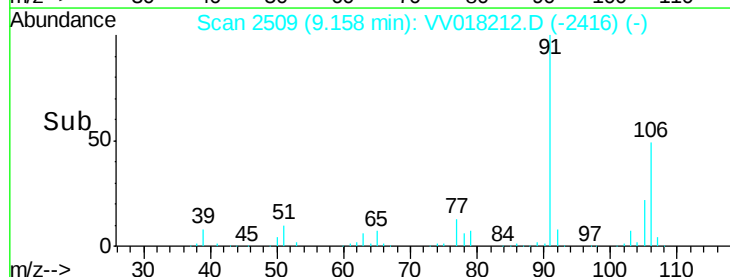
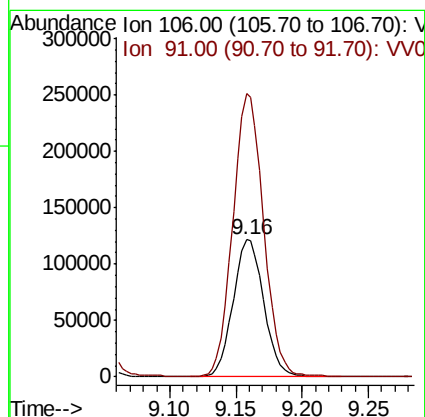
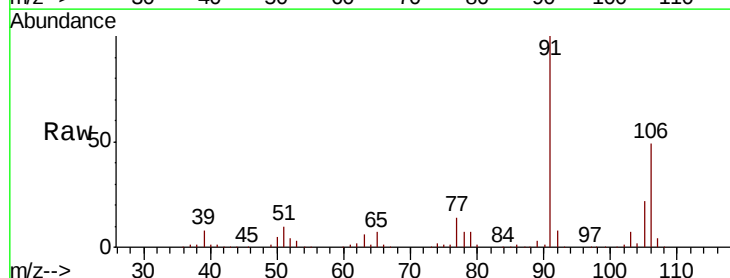
Acq: 14 Sep 2020 18:50

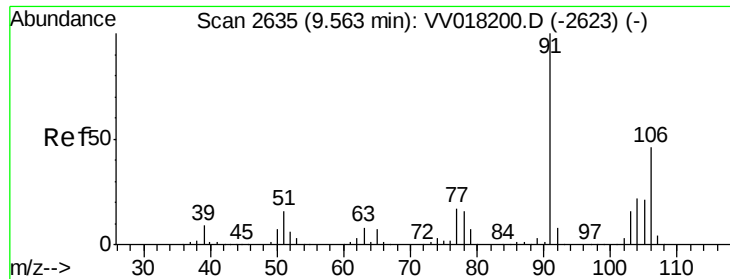
Tgt Ion: 106 Resp: 195131

Ion Ratio Lower Upper

106 100

91 206.0 146.7 272.5





#54

o-xylene

Concen: 56.484 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

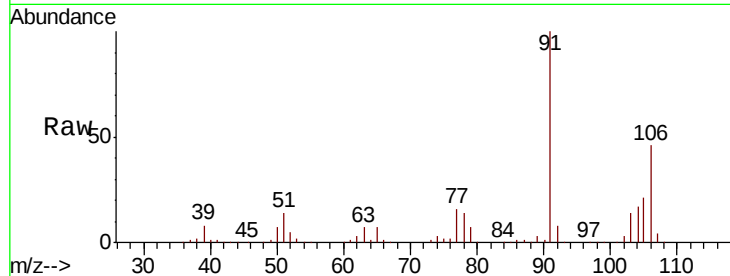
Instrument :
MSVOA_V
ClientSampleId :
VSTD05069

Tot Ion:106 Resp: 188253

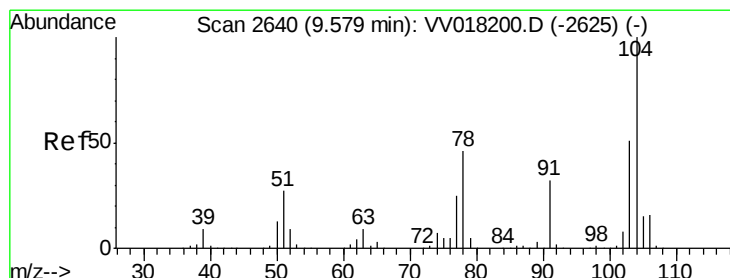
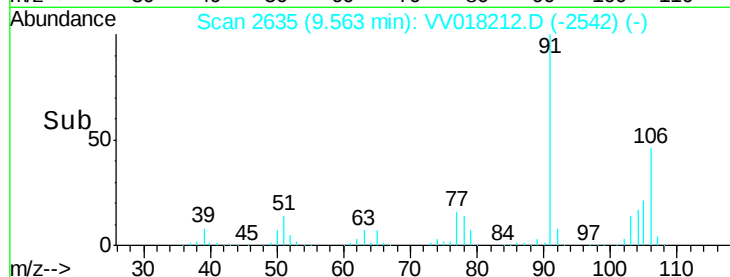
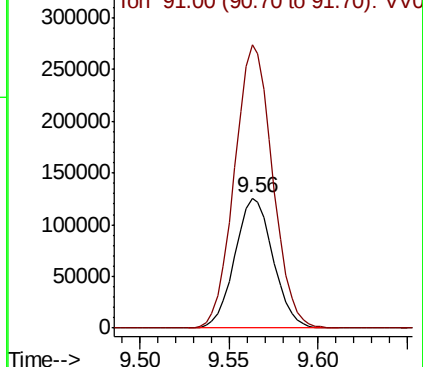
Ion Ratio Lower Upper

106 100

91 218.2 152.2 282.6



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



#55

Styrene

Concen: 57.859 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018212.D

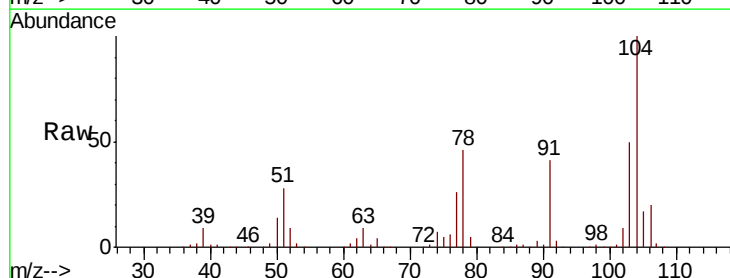
Acq: 14 Sep 2020 18:50

Tgt Ion:104 Resp: 335176

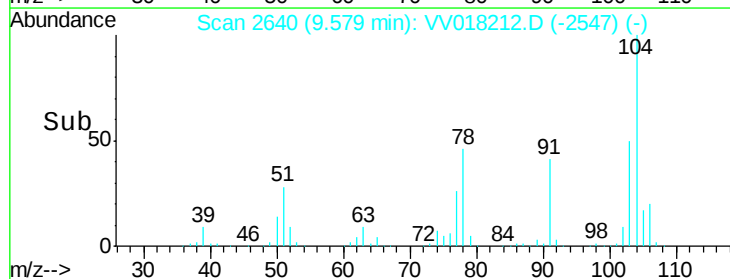
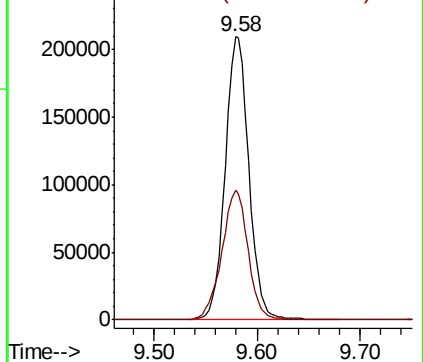
Ion Ratio Lower Upper

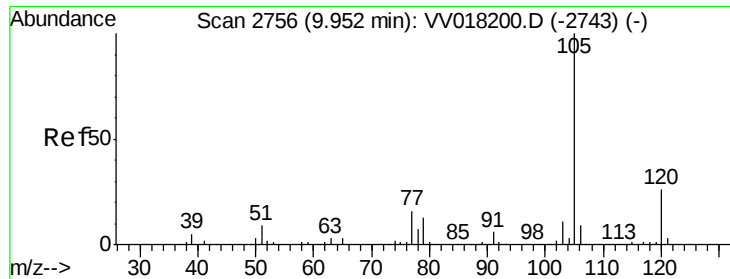
104 100

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: 57.117 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

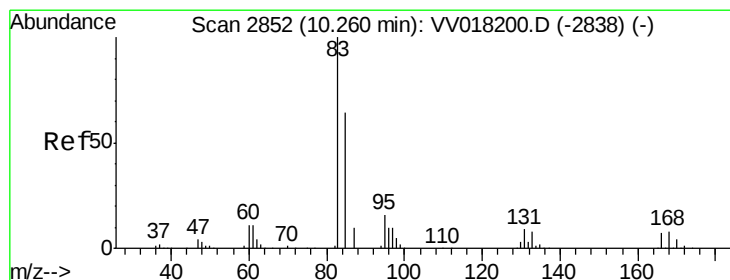
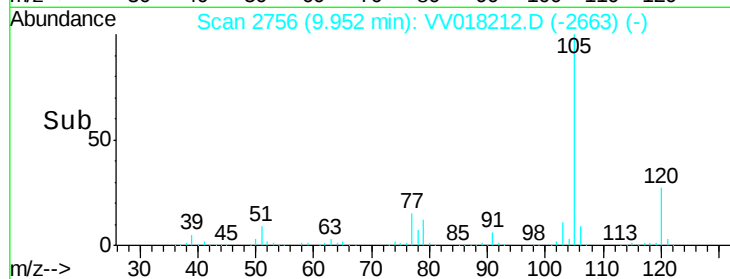
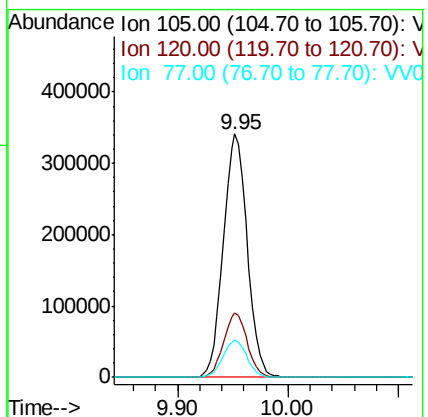
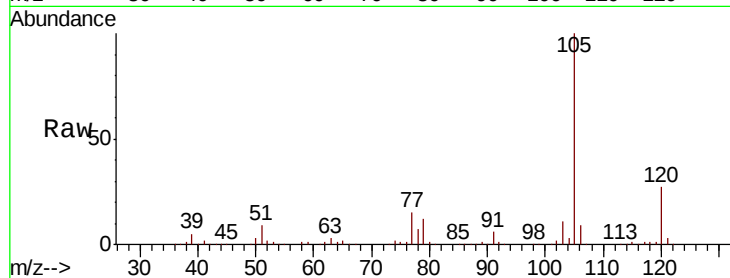
Tot Ion:105 Resp: 513048

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 15.4 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 60.097 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

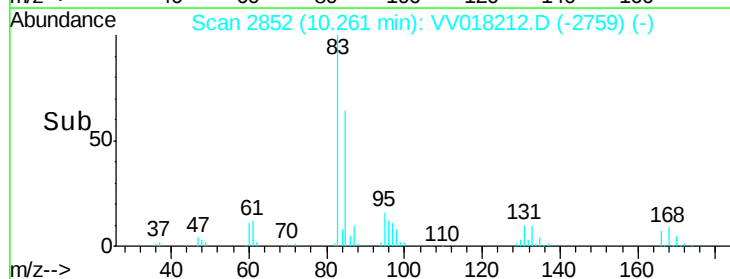
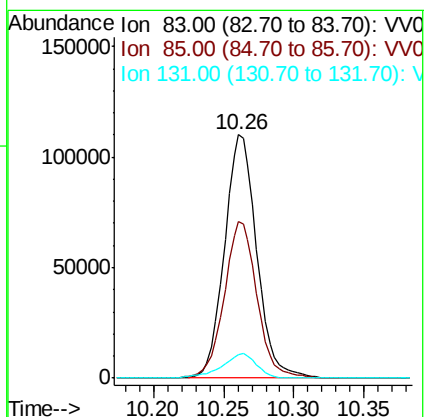
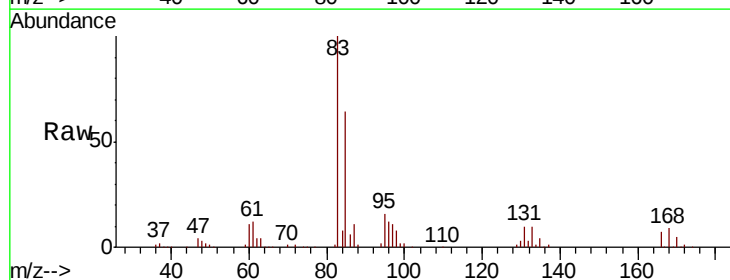
Tgt Ion: 83 Resp: 175157

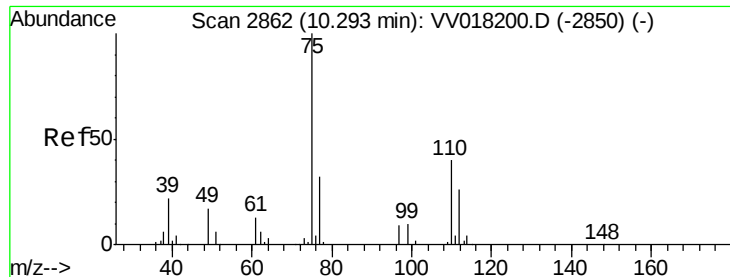
Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

131 9.8 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 56.028 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

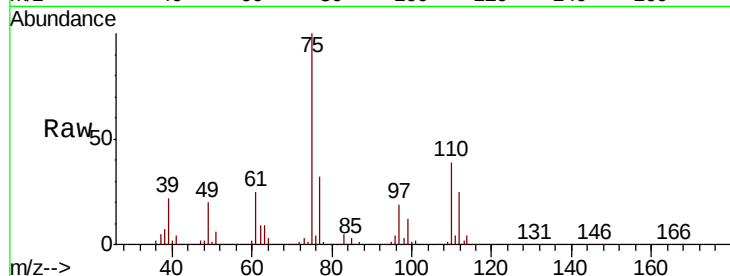
VSTD05069

Tot Ion: 75 Resp: 140087

Ion Ratio Lower Upper

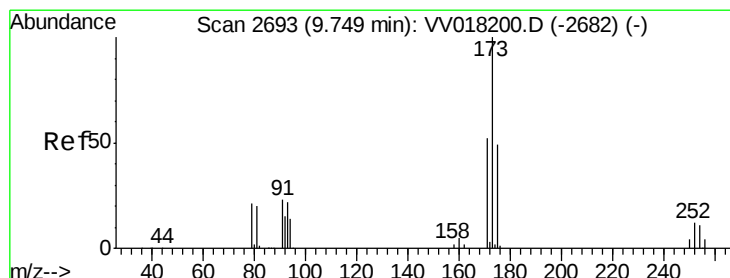
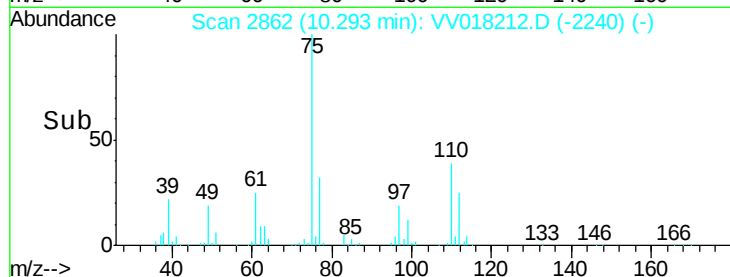
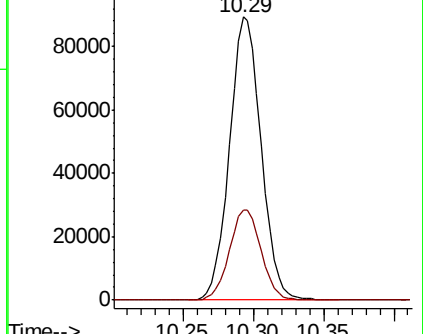
75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018200.D

Ion 77.00 (76.70 to 77.70): VV018200.D



#61

Bromoform

Concen: 55.903 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

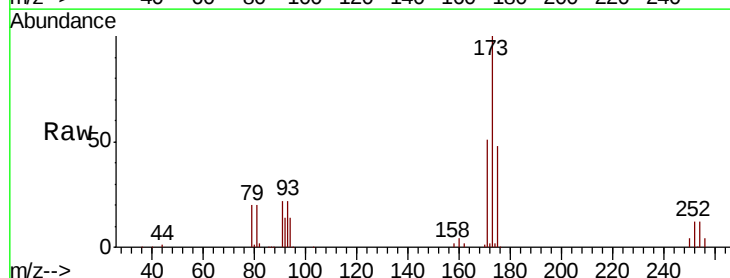
Tgt Ion: 173 Resp: 91275

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

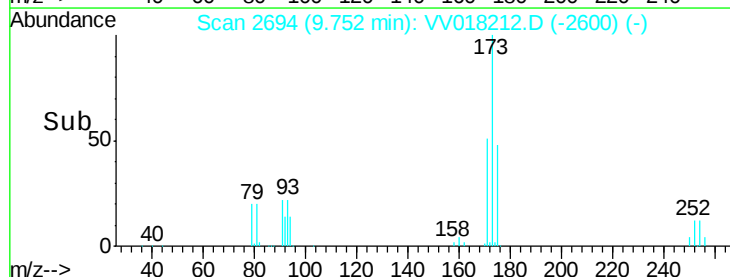
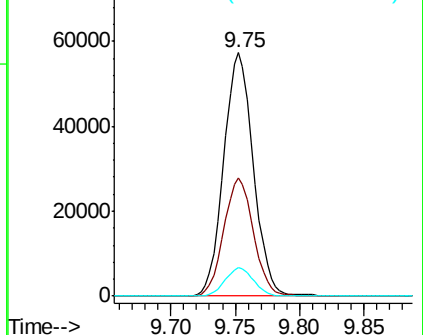
254 11.2 9.0 13.4

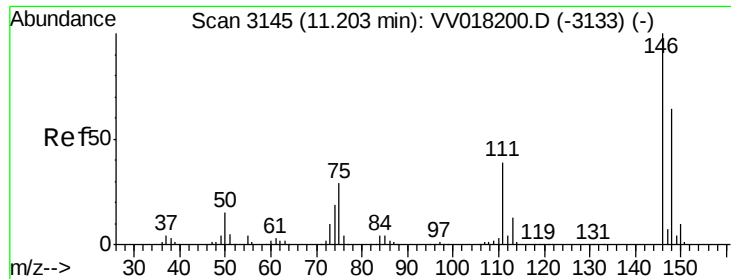


Abundance Ion 173.00 (172.70 to 173.70): VV018200.D

Ion 175.00 (174.70 to 175.70): VV018200.D

Ion 254.00 (253.70 to 254.70): VV018200.D





#62

1,3-Dichlorobenzene

Concen: 55.184 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

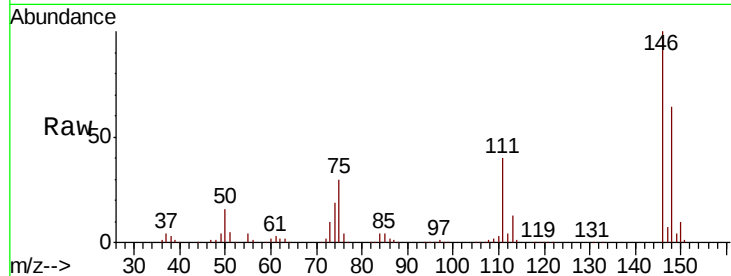
Tot Ion:146 Resp: 249397

Ion Ratio Lower Upper

146 100

111 39.8 27.6 51.2

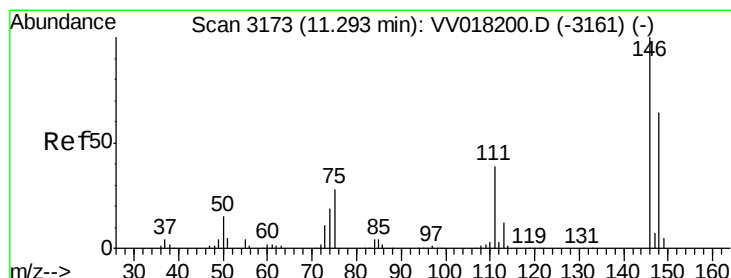
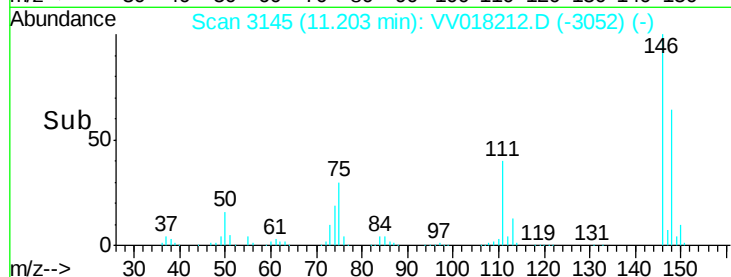
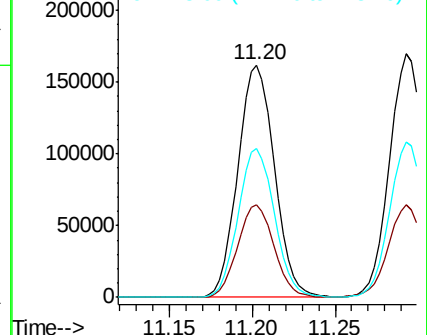
148 63.8 45.4 84.2



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: 55.061 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

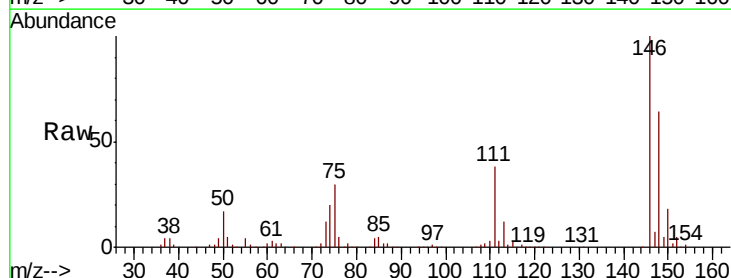
Tgt Ion:146 Resp: 255776

Ion Ratio Lower Upper

146 100

111 37.8 27.1 50.3

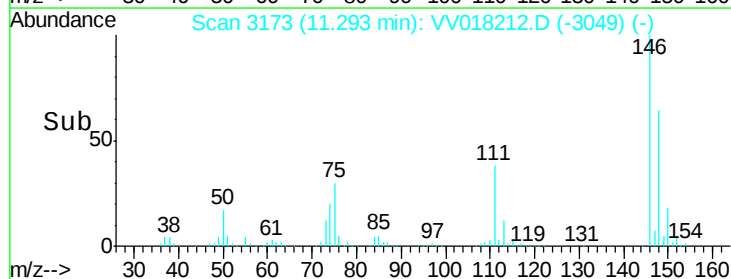
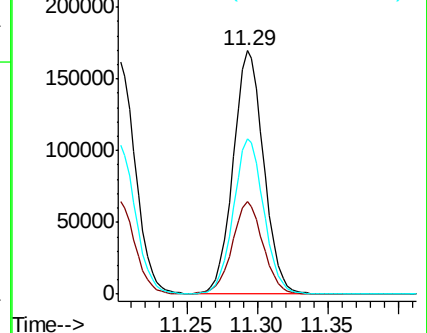
148 64.0 45.4 84.2

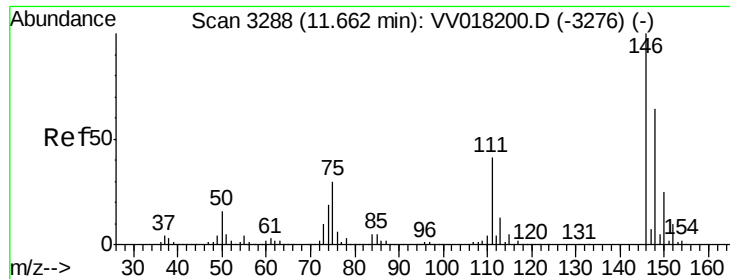


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.227 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

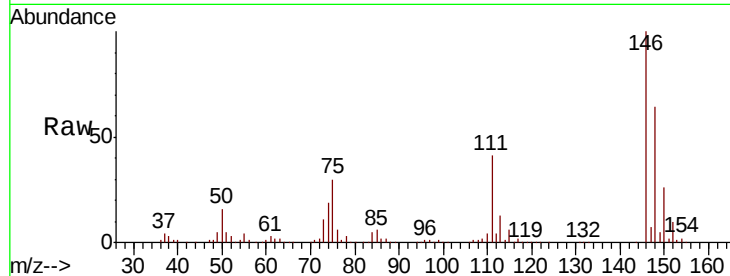
Tot Ion:146 Resp: 247710

Ion Ratio Lower Upper

146 100

111 41.0 32.8 49.2

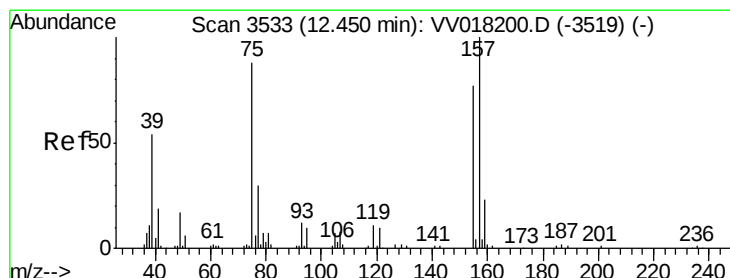
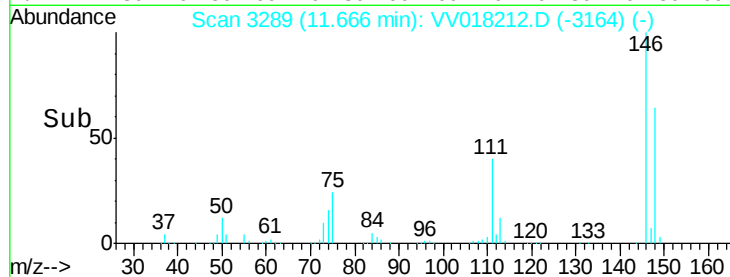
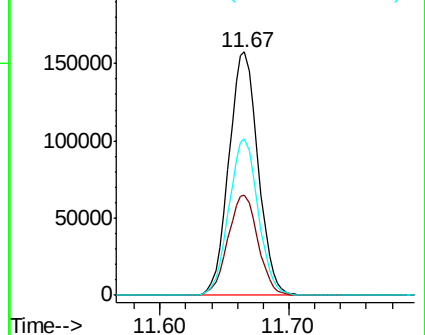
148 64.2 50.7 76.1



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: 59.423 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

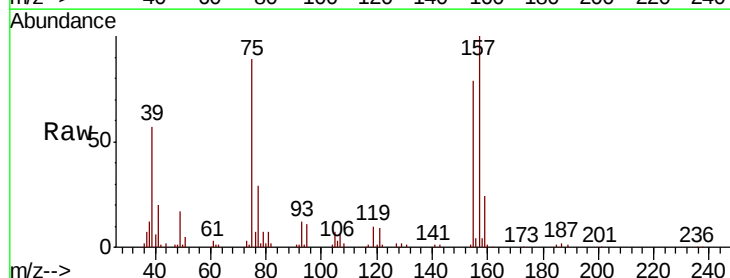
Tgt Ion: 75 Resp: 38305

Ion Ratio Lower Upper

75 100

155 88.4 69.7 104.5

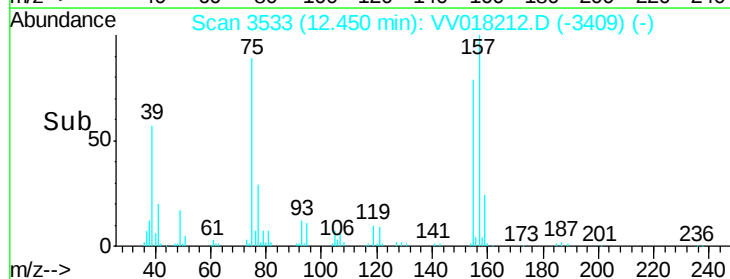
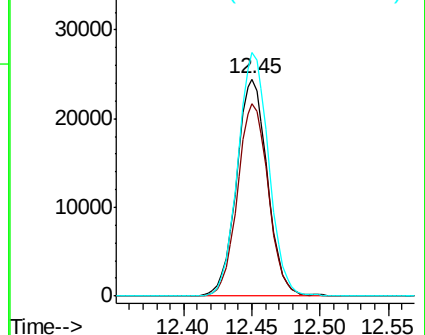
157 112.2 88.2 132.4

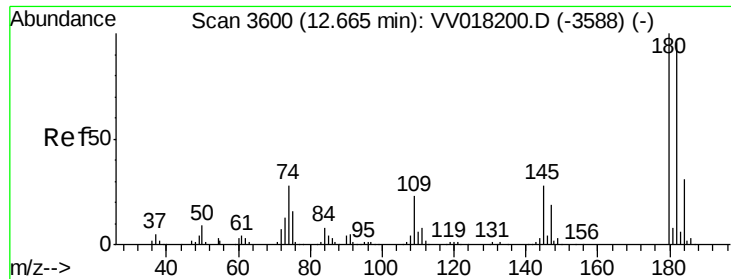


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

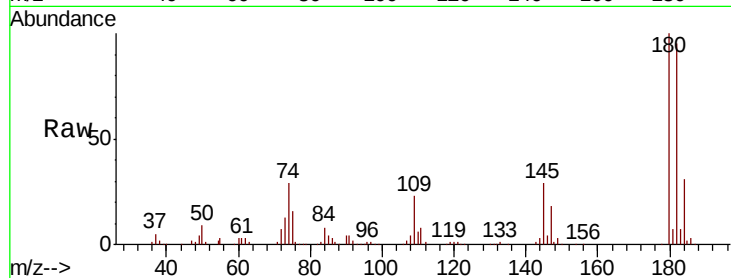




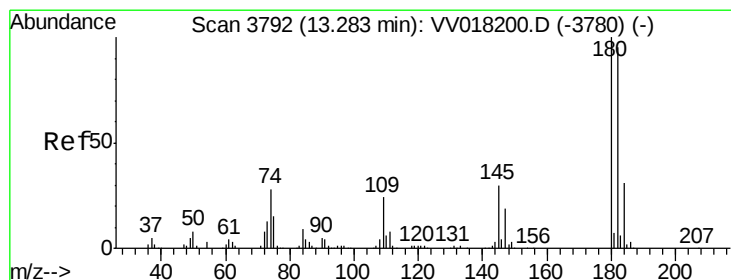
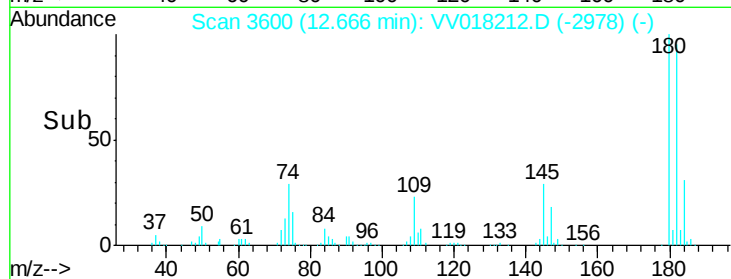
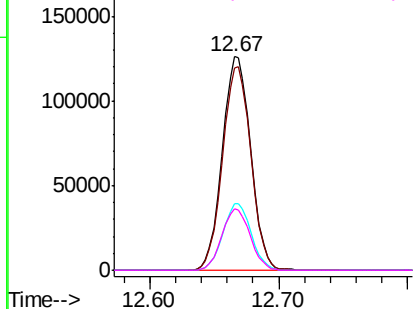
#67
 1,3,5-Trichlorobenzene
 Concen: 54.010 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018212.D
 Acq: 14 Sep 2020 18:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Tot Ion:	180	Resp:	192429
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
184	30.9	24.6	36.8
145	28.6	22.7	34.1

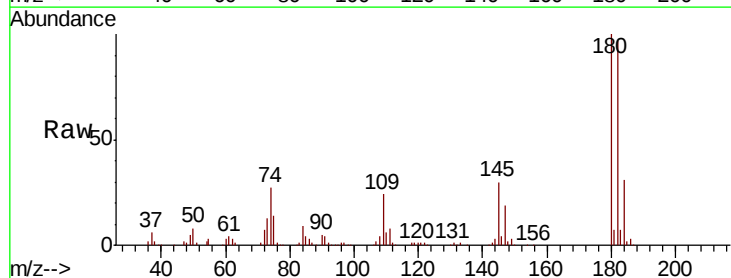


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

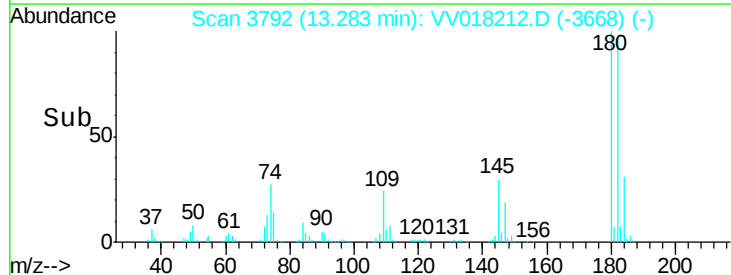
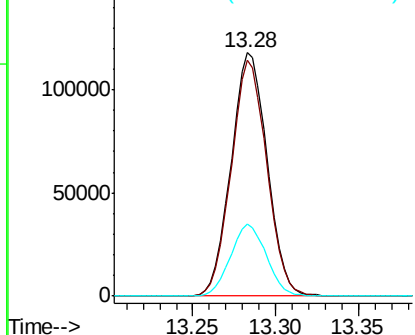


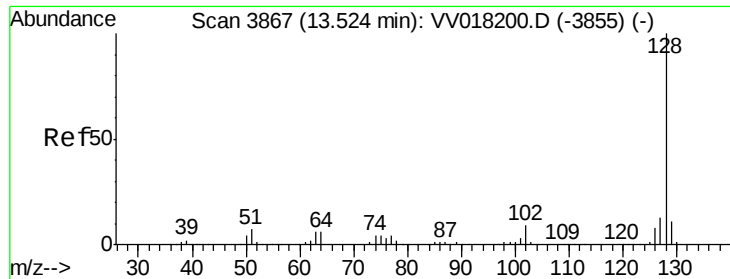
#68
 1,2,4-trichlorobenzene
 Concen: 56.209 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018212.D
 Acq: 14 Sep 2020 18:50

Tgt Ion:	180	Resp:	178334
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.3	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: 65.200 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05069

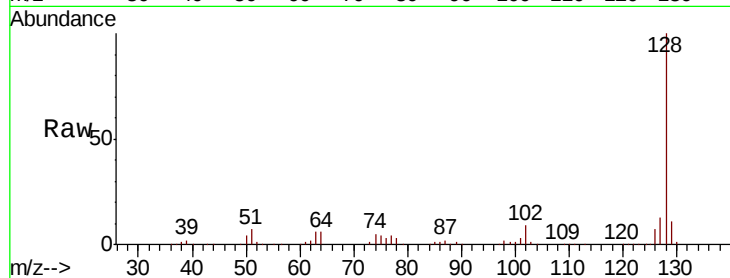
Tot Ion:128 Resp: 523424

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

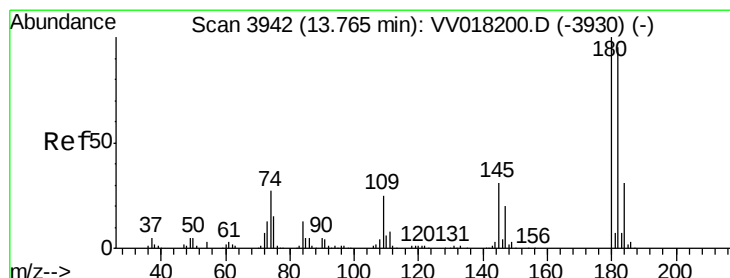
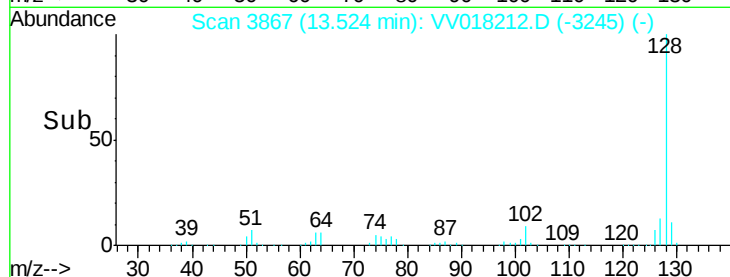
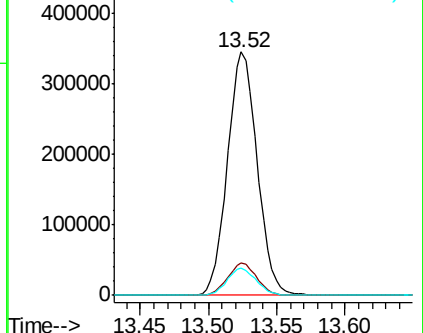
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 58.149 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV018212.D

Acq: 14 Sep 2020 18:50

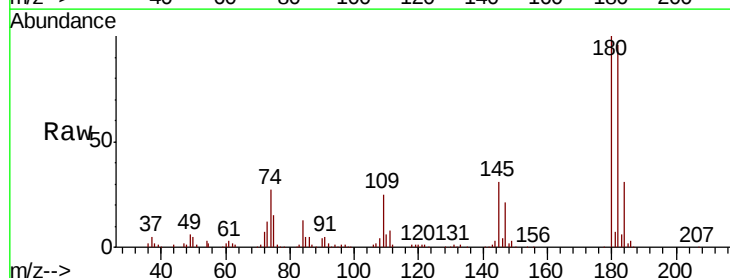
Tgt Ion:180 Resp: 181709

Ion Ratio Lower Upper

180 100

182 95.9 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

