

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091120\
 Data File : VV018198.D
 Acq On : 11 Sep 2020 16:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Quant Time: Sep 12 01:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 12 01:23:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	295811	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292971	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162238	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99887	41.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.86%
7) Chloroethane-d5	1.58	69	87843	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.06%
11) 1,1-Dichloroethene-d2	2.13	63	199416	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
21) 2-Butanone-d5	3.91	46	149397	101.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.25%
24) Chloroform-d	4.38	84	198058	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
26) 1,2-Dichloroethane-d4	5.06	65	128458	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.08	84	393356	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.09	67	126750	47.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.12%
41) Toluene-d8	7.34	98	361908	47.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.70%
43) trans-1,3-Dichloropropene-	7.64	79	64428	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.16%
47) 2-Hexanone-d5	8.11	63	104181	103.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.21%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	166691	49.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	155729	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	105978	49.132	ug/L 98
3) Chloromethane	1.25	50	119073	50.554	ug/L 99
5) Vinyl chloride	1.32	62	121333	50.235	ug/L 100
6) Bromomethane	1.53	94	74296	50.327	ug/L 97
8) Chloroethane	1.60	64	77242	51.052	ug/L 99
9) Trichlorofluoromethane	1.77	101	166387	50.069	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101040	50.618	ug/L 100
12) 1,1-Dichloroethene	2.14	96	96997	49.940	ug/L 94
13) Acetone	2.19	43	164486	139.210	ug/L 99
14) Carbon disulfide	2.31	76	291877	49.110	ug/L 100
15) Methyl Acetate	2.45	43	108523	51.108	ug/L 100
16) Methylene chloride	2.53	84	112668	51.723	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	101896	50.905	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	323199	52.197	ug/L 100
19) 1,1-Dichloroethane	3.21	63	194938	51.508	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	111717	52.210	ug/L 98
22) 2-Butanone	4.00	43	182804	130.654	ug/L 97

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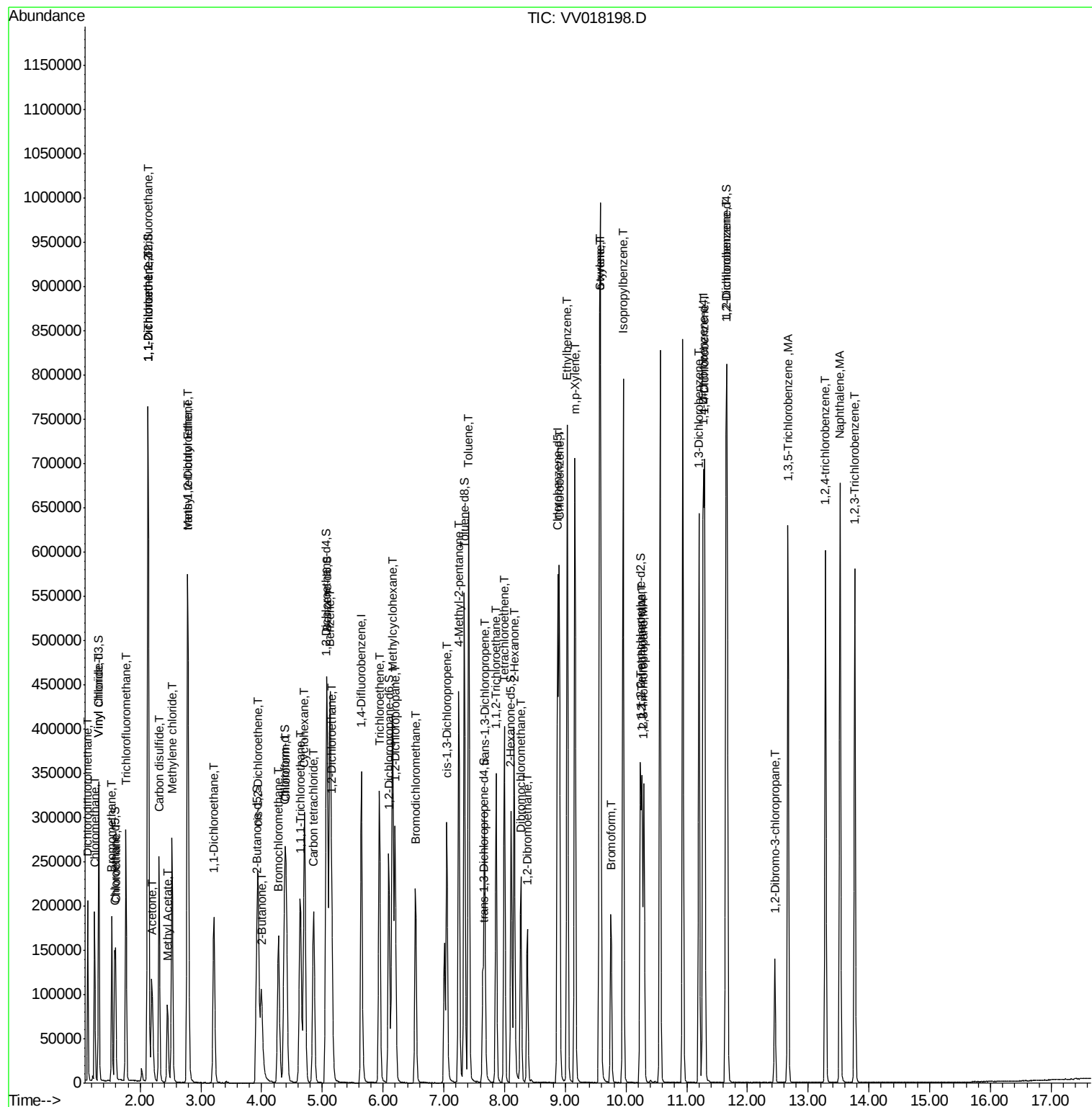
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	57883	51.703	ug/L	97
25) Chloroform	4.40	83	198705	51.652	ug/L	99
27) 1,2-Dichloroethane	5.16	62	155148	52.095	ug/L	99
29) Cyclohexane	4.70	56	172521	50.996	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	169450	49.838	ug/L	100
31) Carbon tetrachloride	4.86	117	147441	49.317	ug/L	98
33) Benzene	5.13	78	430440	51.387	ug/L	100
34) Trichloroethene	5.94	95	114742	50.285	ug/L	99
35) Methylcyclohexane	6.15	83	172411	50.183	ug/L	99
37) 1,2-Dichloropropane	6.20	63	113598	51.178	ug/L	99
38) Bromodichloromethane	6.53	83	146608	50.756	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	177935	52.028	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	285064	105.862	ug/L	99
42) Toluene	7.41	91	463278	52.262	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	173991	52.252	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	106841	51.932	ug/L	99
46) Tetrachloroethene	8.00	164	91534	51.161	ug/L	99
48) 2-Hexanone	8.16	43	248924	117.254	ug/L	99
49) Dibromochloromethane	8.27	129	117382	50.830	ug/L	100
50) 1,2-Dibromoethane	8.37	107	113598	52.464	ug/L	98
51) Chlorobenzene	8.90	112	297021	51.594	ug/L	99
52) Ethylbenzene	9.03	91	511333	52.835	ug/L	99
53) m,p-Xylene	9.16	106	192505	53.292	ug/L	99
54) o-xylene	9.56	106	187482	53.873	ug/L	100
55) Styrene	9.58	104	331842	54.861	ug/L	100
56) Isopropylbenzene	9.95	105	500319	53.344	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	160350	52.690	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	136050	52.112	ug/L	99
61) Bromoform	9.75	173	84739	48.620	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	251598	52.153	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	260125	52.458	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	250798	51.433	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	35152	51.085	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	196095	51.560	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	179324	52.948	ug/L	99
69) Naphthalene	13.52	128	503696	58.777	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	177568	53.232	ug/L	99

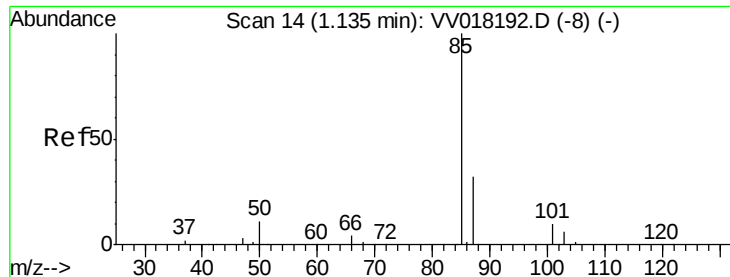
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.132 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

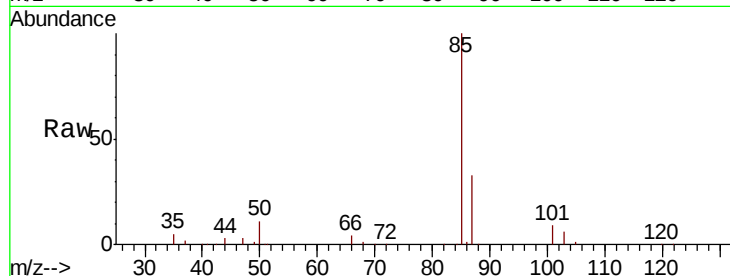
VSTD05099

Tot Ion: 85 Resp: 105978

Ion Ratio Lower Upper

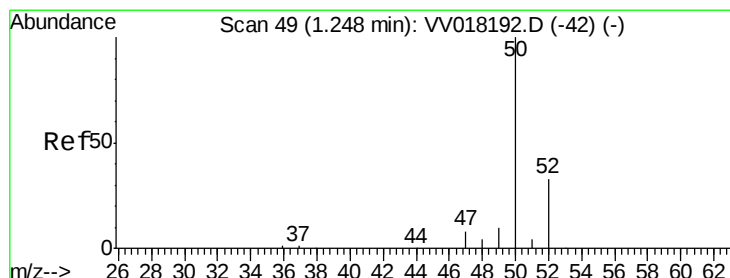
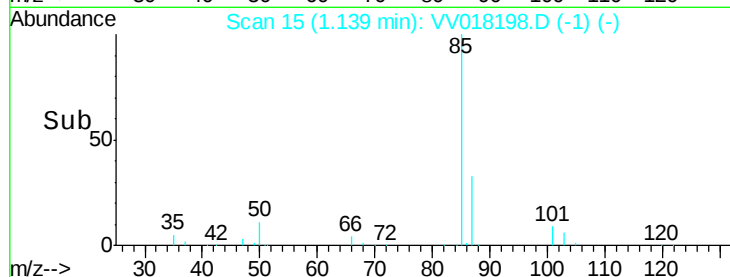
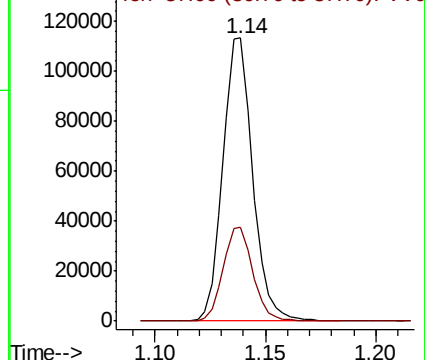
85 100

87 33.0 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: 50.554 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018198.D

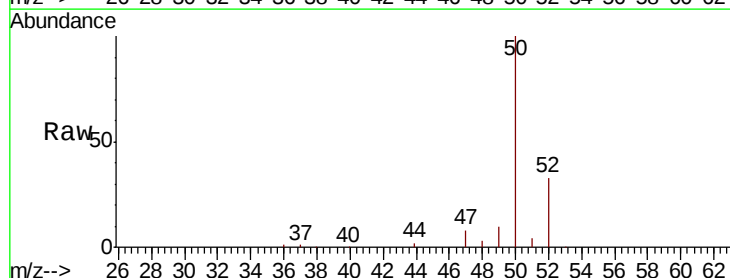
Acq: 11 Sep 2020 16:29

Tgt Ion: 50 Resp: 119073

Ion Ratio Lower Upper

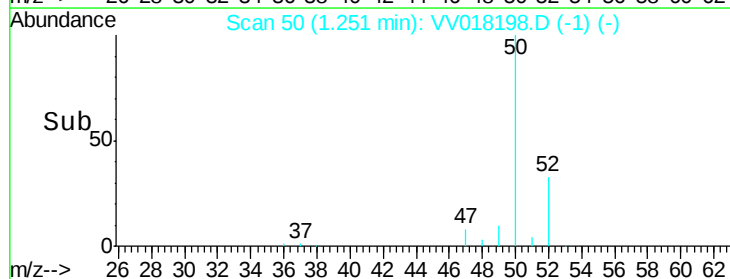
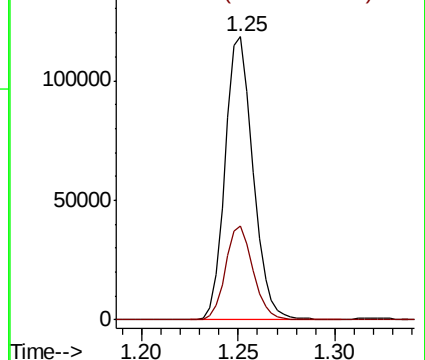
50 100

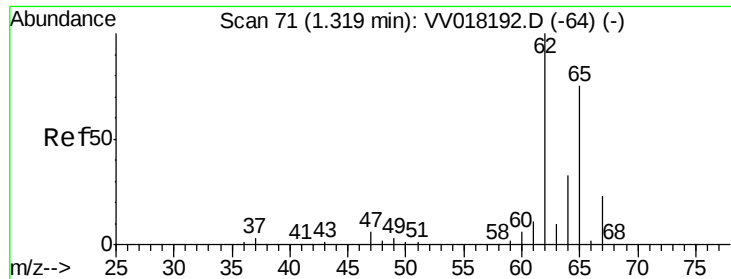
52 33.0 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 50.235 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

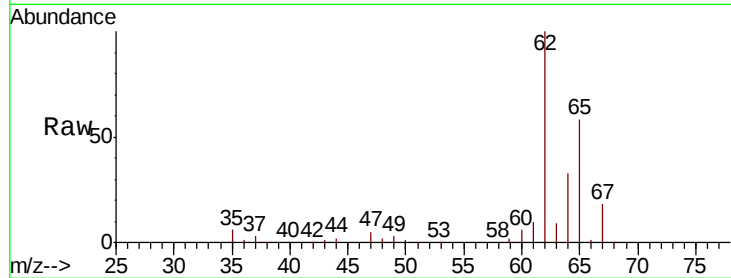
VSTD05099

Tot Ion: 62 Resp: 121333

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

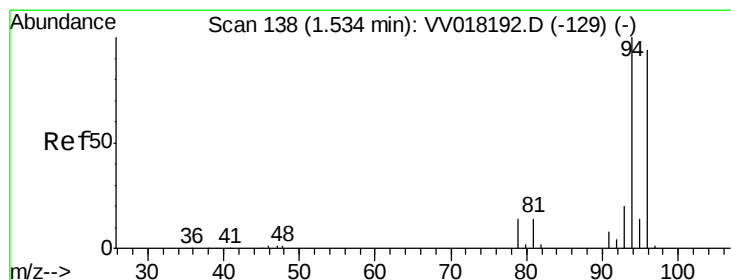
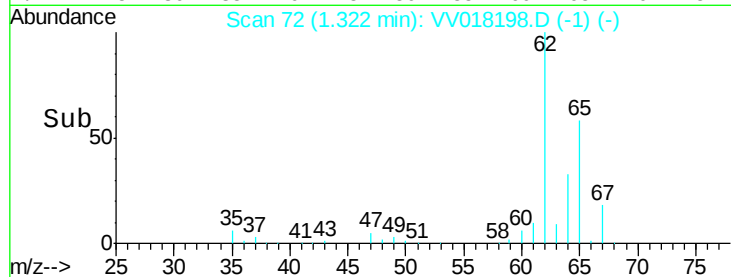
1.32

100000

50000

0

Time-->



#6

Bromomethane

Concen: 50.327 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018198.D

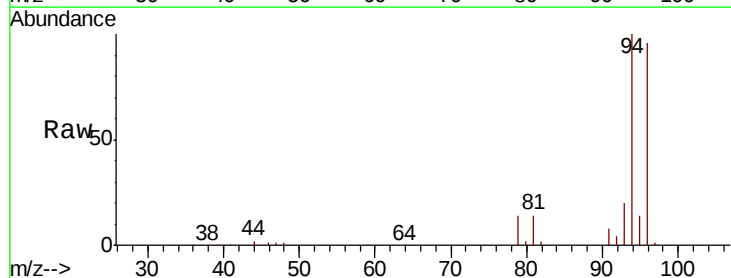
Acq: 11 Sep 2020 16:29

Tgt Ion: 94 Resp: 74296

Ion Ratio Lower Upper

94 100

96 95.8 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

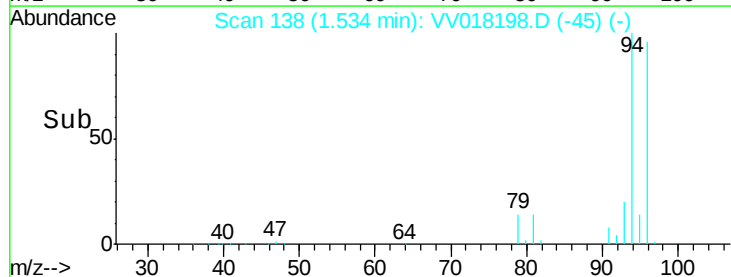
60000

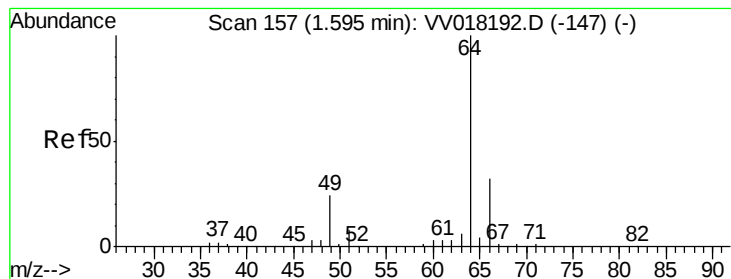
40000

20000

0

Time-->





#8

Chloroethane

Concen: 51.052 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

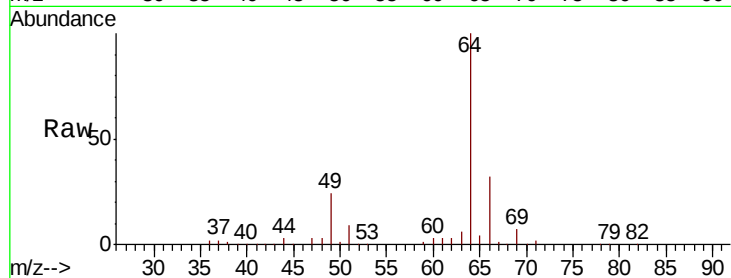
VSTD05099

Tot Ion: 64 Resp: 77242

Ion Ratio Lower Upper

64 100

66 31.7 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018192.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV018192.D (-147) (-)

1.60

60000

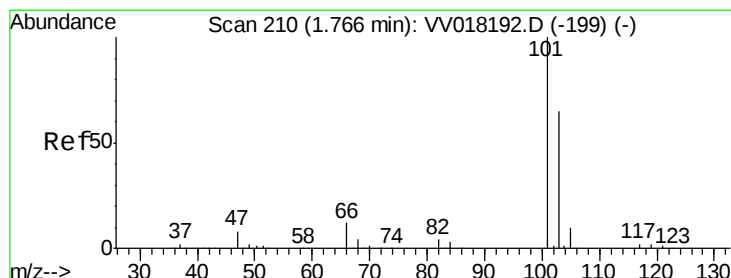
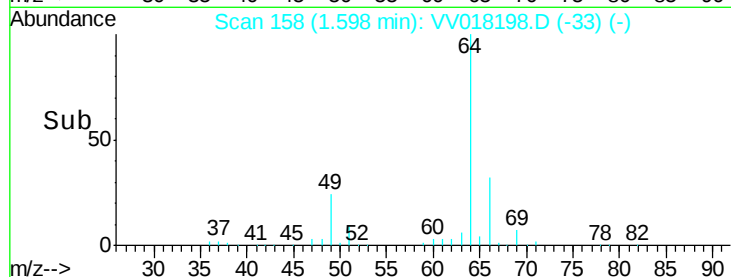
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 50.069 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018198.D

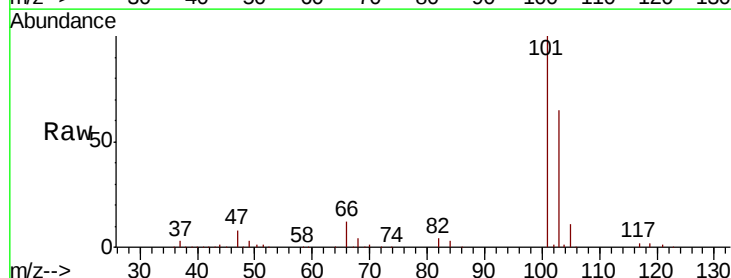
Acq: 11 Sep 2020 16:29

Tgt Ion:101 Resp: 166387

Ion Ratio Lower Upper

101 100

103 65.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018192.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018192.D (-199) (-)

1.77

150000

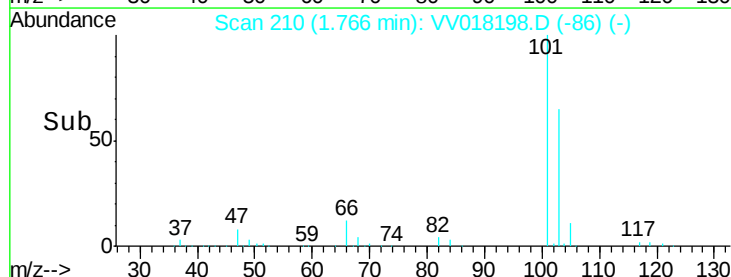
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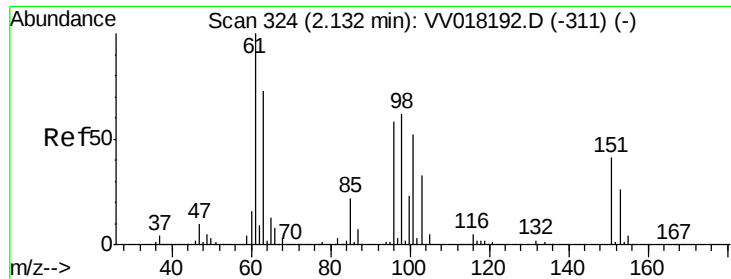
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 50.618 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

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VSTD05099

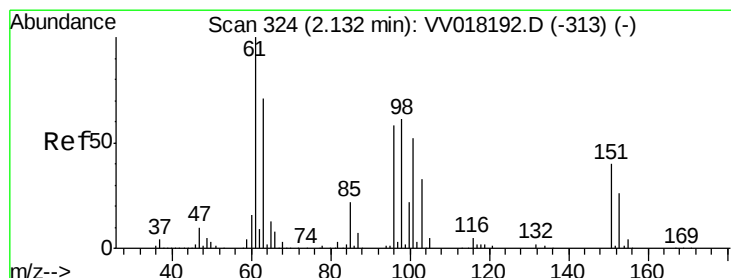
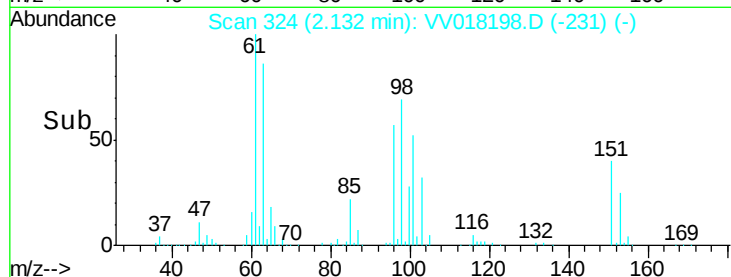
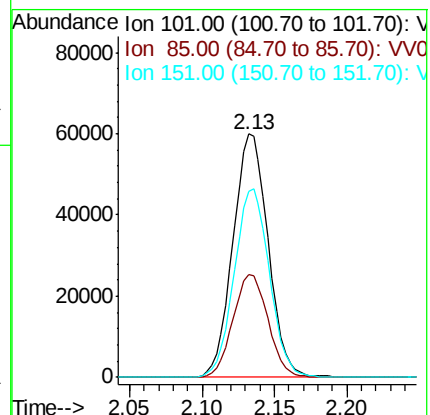
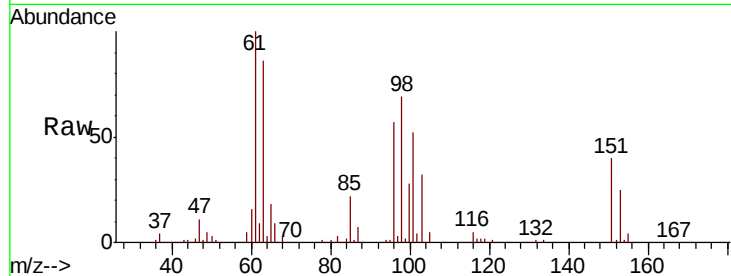
Tot Ion:101 Resp: 101040

Ion Ratio Lower Upper

101 100

85 42.1 33.5 50.3

151 77.5 62.2 93.2



#12

1,1-Dichloroethene

Concen: 49.940 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

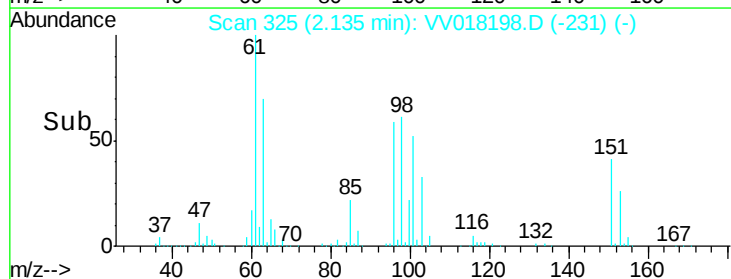
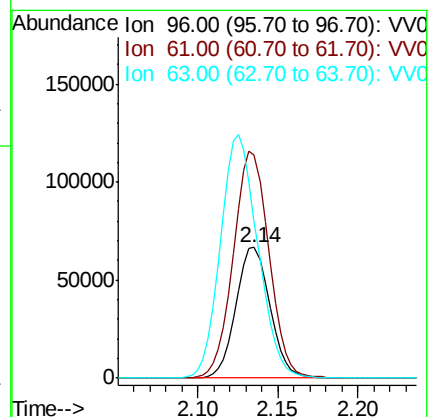
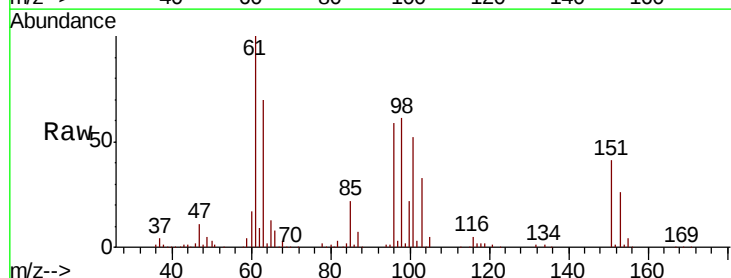
Tgt Ion: 96 Resp: 96997

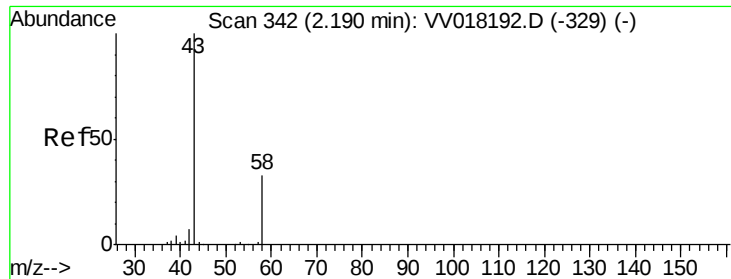
Ion Ratio Lower Upper

96 100

61 170.8 122.9 228.3

63 120.2 91.9 170.7





#13

Acetone

Concen: 139.210 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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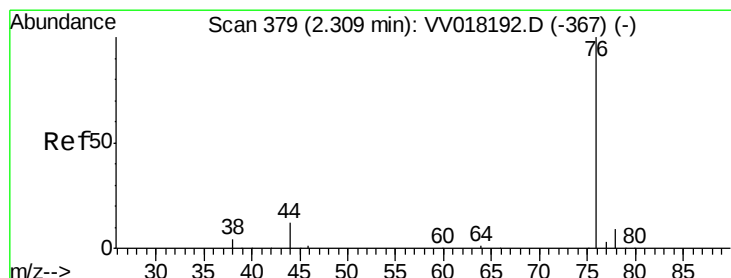
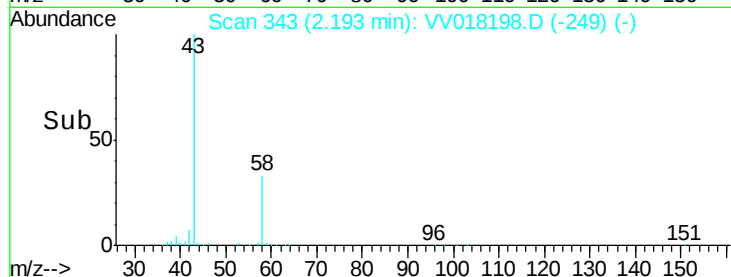
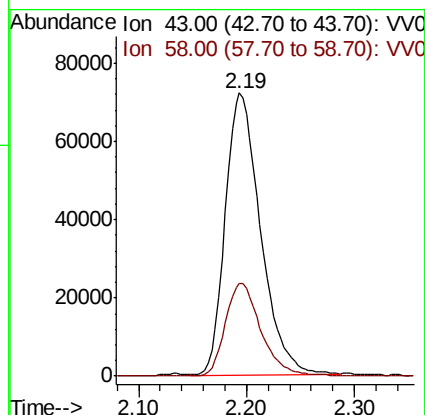
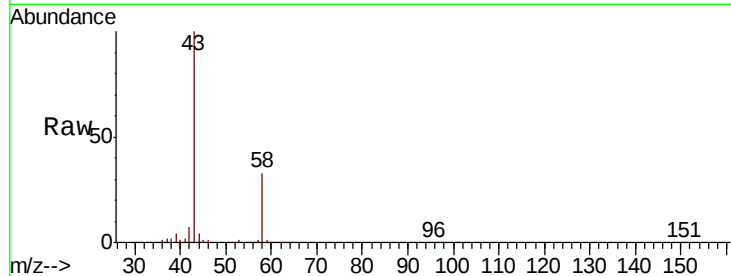
VSTD05099

Tot Ion: 43 Resp: 164486

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.4



#14

Carbon disulfide

Concen: 49.110 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018198.D

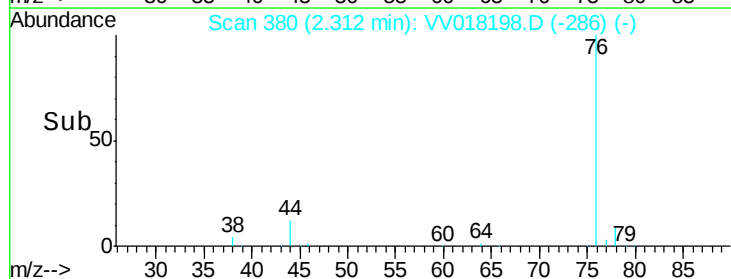
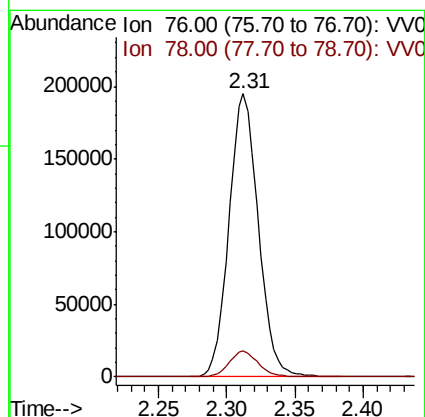
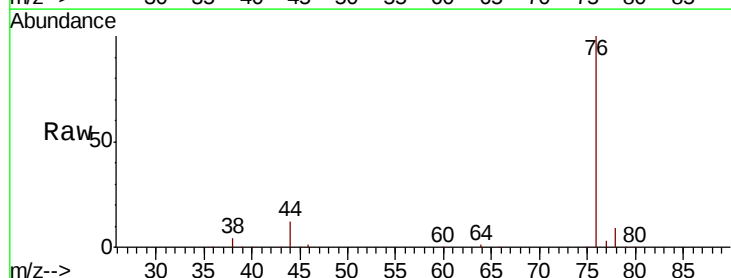
Acq: 11 Sep 2020 16:29

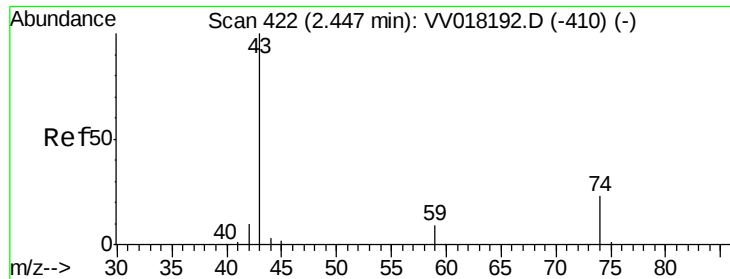
Tgt Ion: 76 Resp: 291877

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

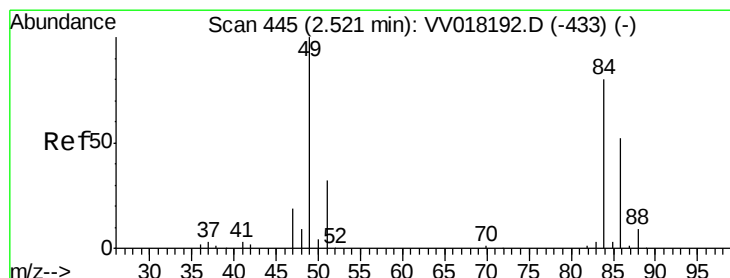
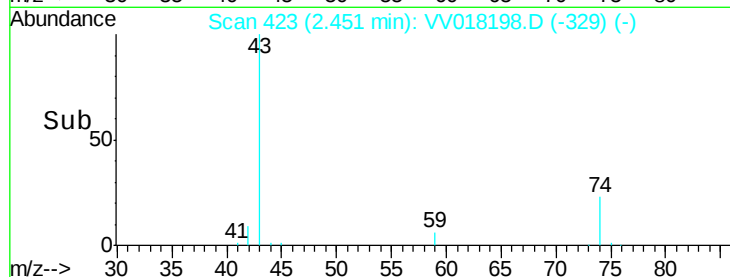
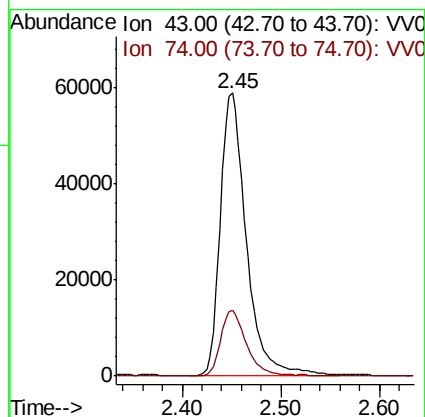
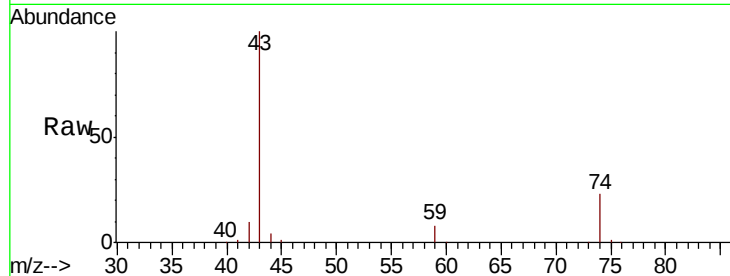




#15
Methvl Acetate
Concen: 51.108 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

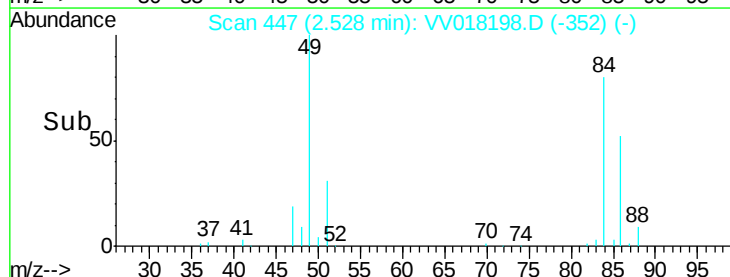
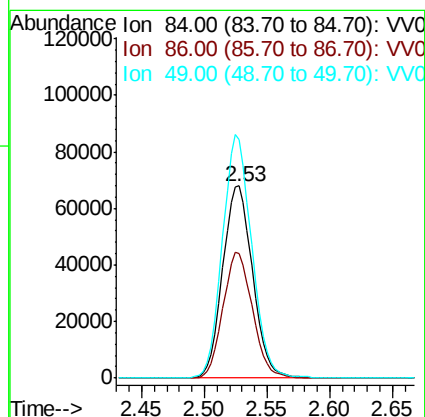
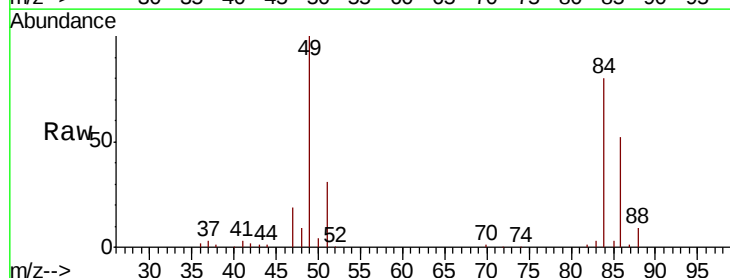
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

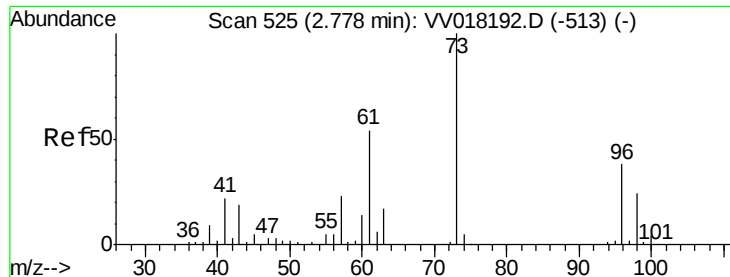
Tot Ion: 43 Resp: 108523
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 51.723 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion: 84 Resp: 112668
Ion Ratio Lower Upper
84 100
86 64.9 44.4 82.4
49 124.3 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 50.905 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

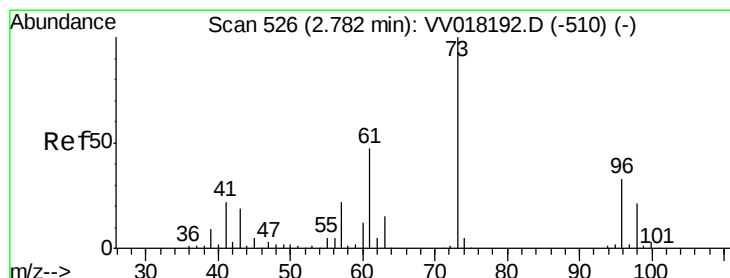
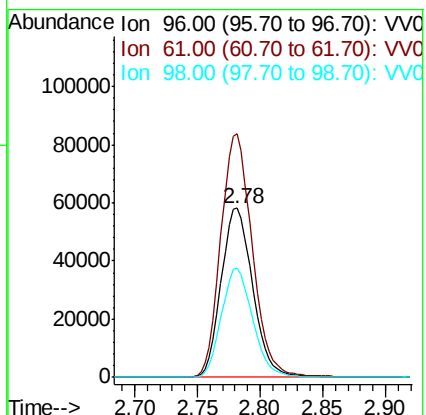
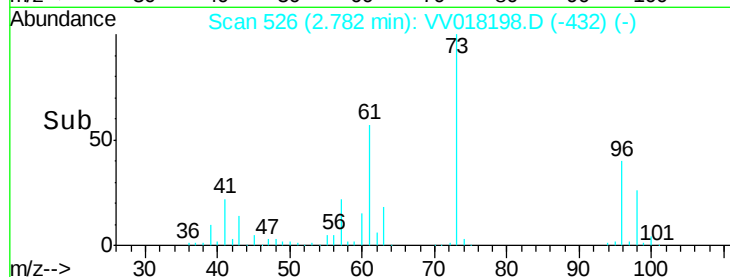
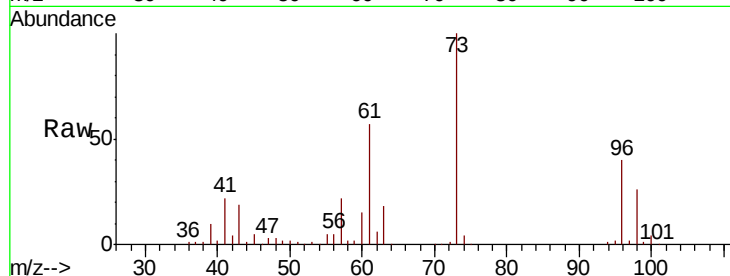
Tot Ion: 96 Resp: 101896

Ion Ratio Lower Upper

96 100

61 143.8 100.7 186.9

98 64.8 45.2 84.0



#18

Methyl tert-butyl Ether

Concen: 52.197 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

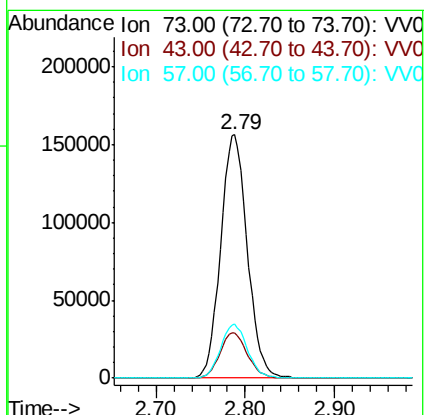
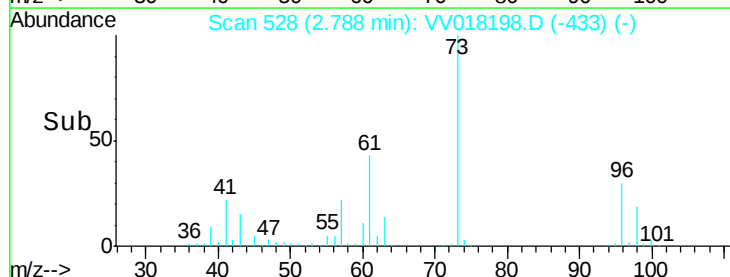
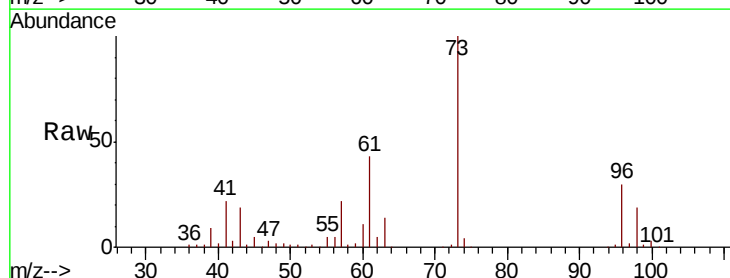
Tgt Ion: 73 Resp: 323199

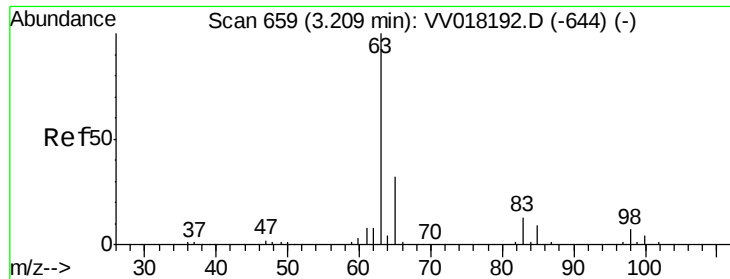
Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.0

57 22.2 18.0 27.0

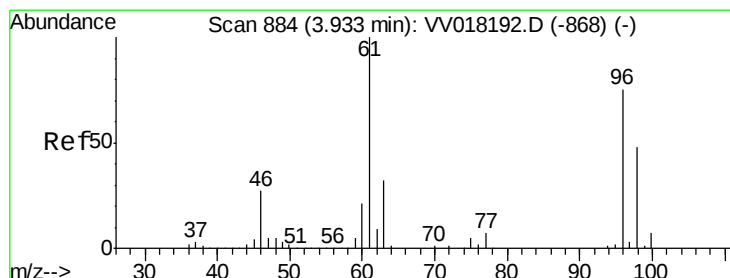
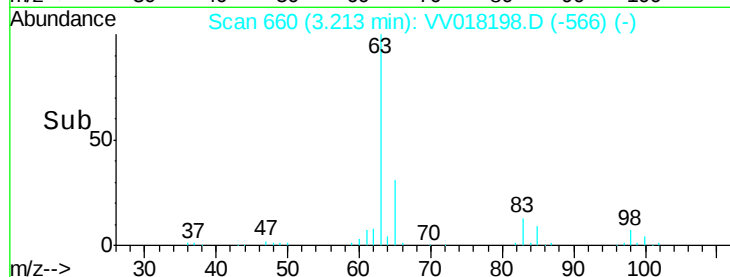
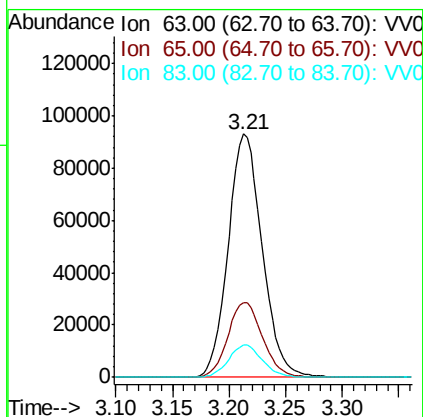
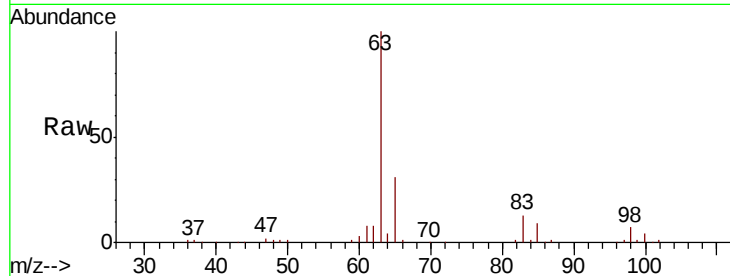




#19
 1,1-Dichloroethane
 Concen: 51.508 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

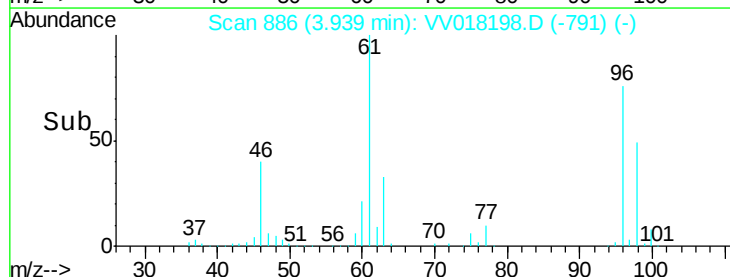
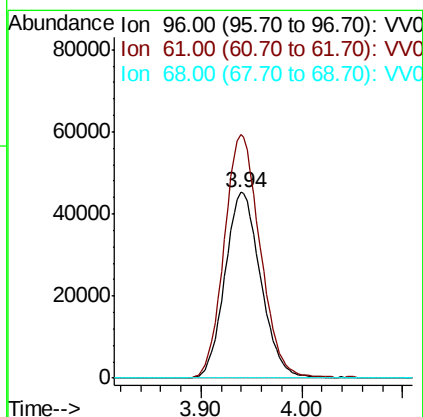
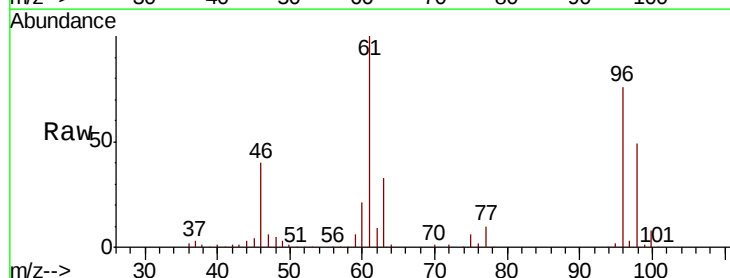
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

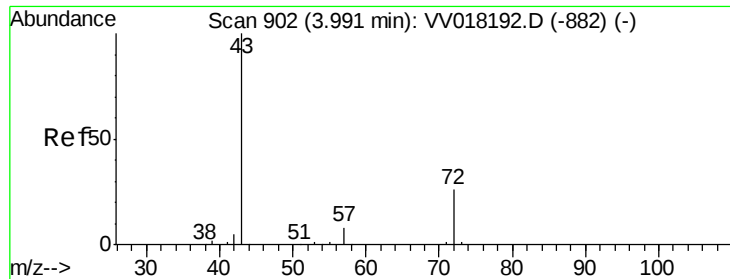
Tot Ion: 63 Resp: 194938
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.5 41.7
 83 13.1 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.210 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

Tgt Ion: 96 Resp: 111717
 Ion Ratio Lower Upper
 96 100
 61 131.1 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 130.654 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

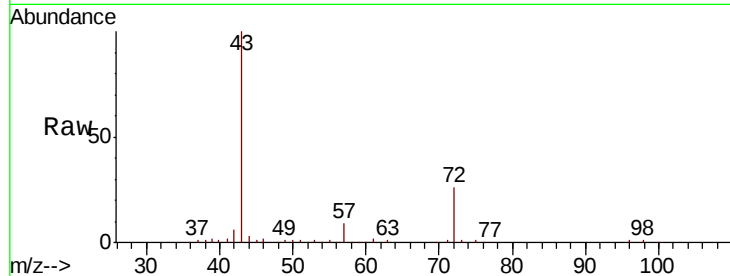
VSTD05099

Tot Ion: 43 Resp: 182804

Ion Ratio Lower Upper

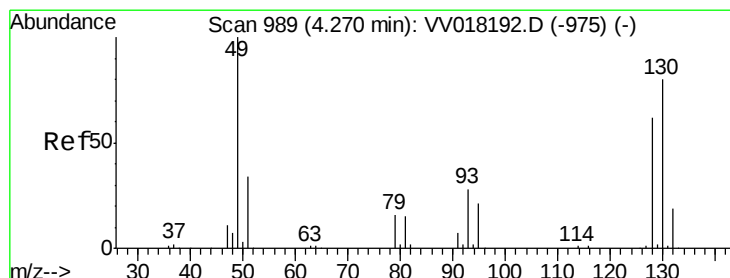
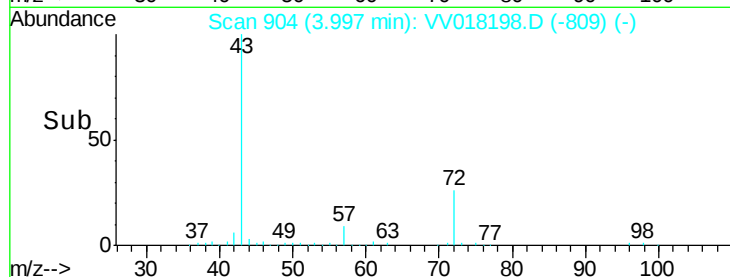
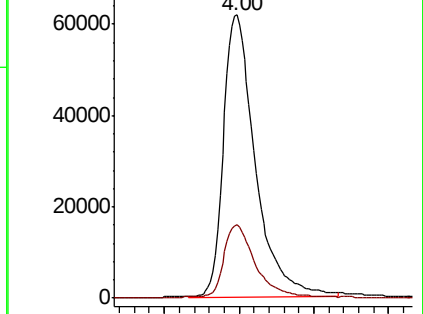
43 100

72 24.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018198.D (-882) (-)

Ion 72.00 (71.70 to 72.70): VV018198.D (-882) (-)



#23

Bromochloromethane

Concen: 51.703 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Tgt Ion: 128 Resp: 57883

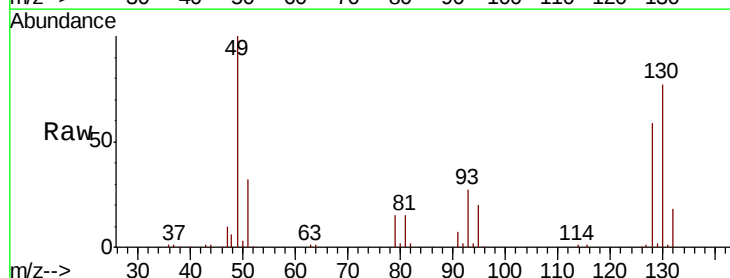
Ion Ratio Lower Upper

128 100

49 168.4 114.4 212.6

130 129.9 87.9 163.3

51 53.6 41.8 62.8

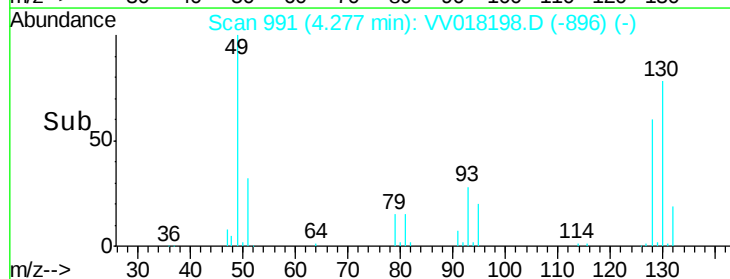
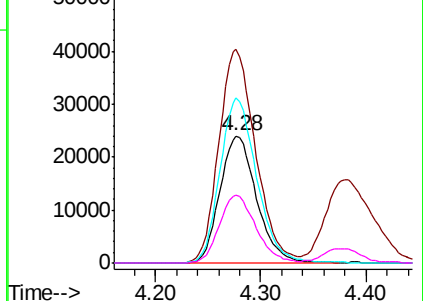


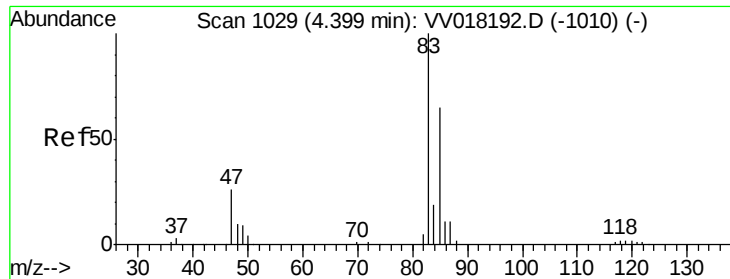
Abundance Ion 128.00 (127.70 to 128.70): VV018198.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018198.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018198.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018198.D (-896) (-)

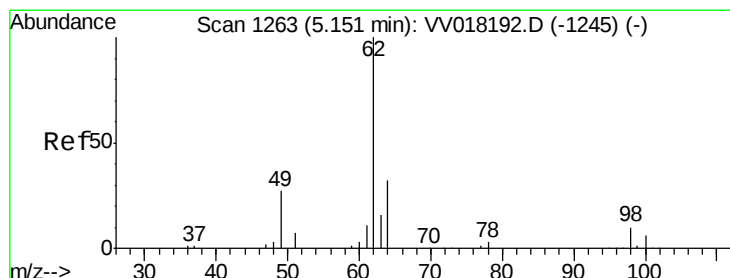
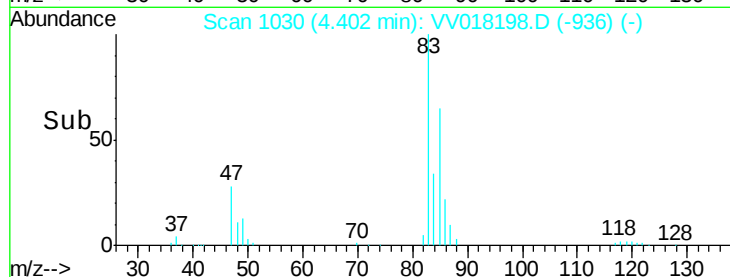
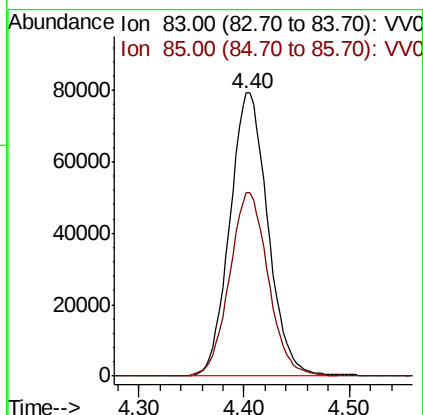
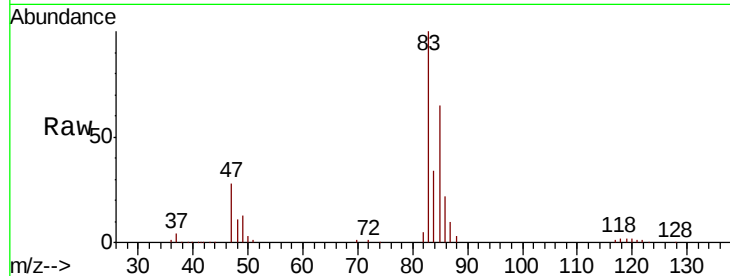




#25
Chloroform
Concen: 51.652 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

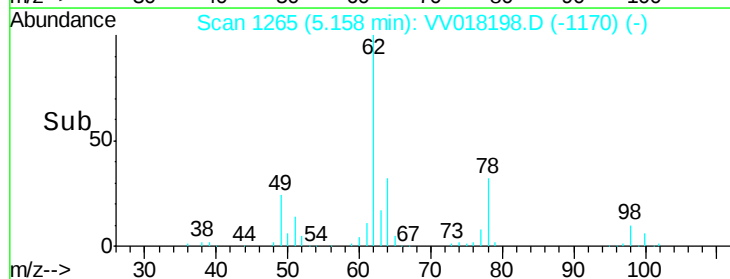
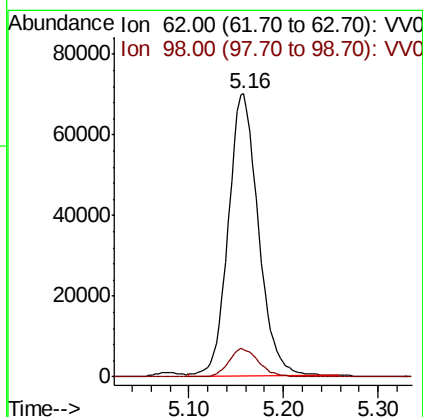
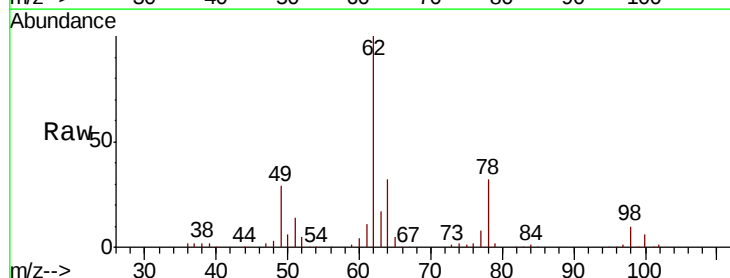
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

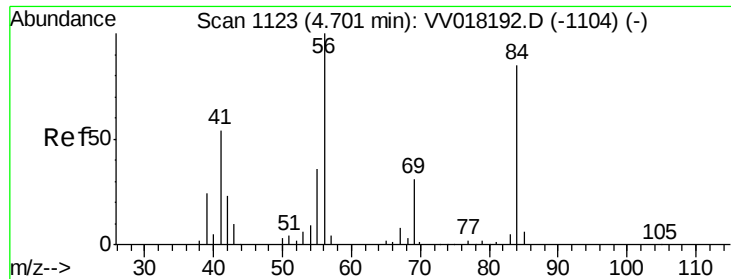
Tot Ion: 83 Resp: 198705
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 52.095 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion: 62 Resp: 155148
Ion Ratio Lower Upper
62 100
98 9.9 7.6 11.4

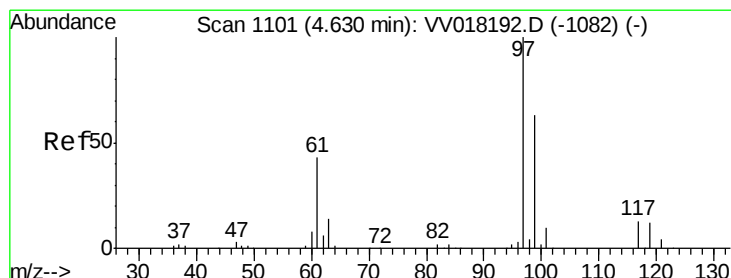
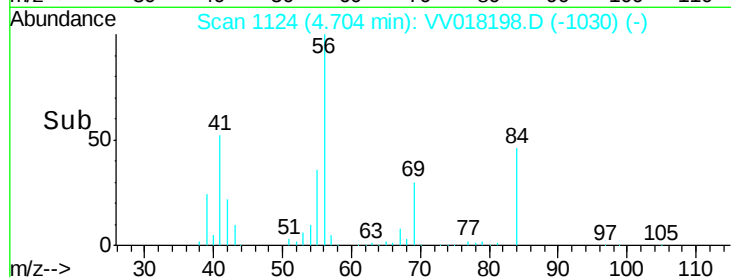
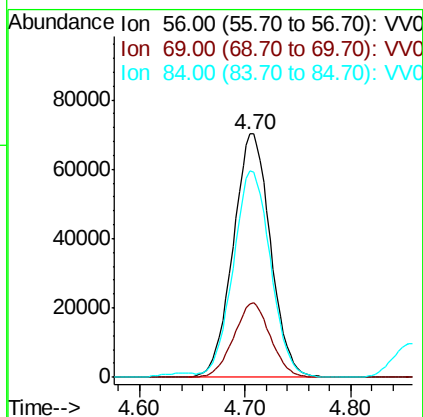
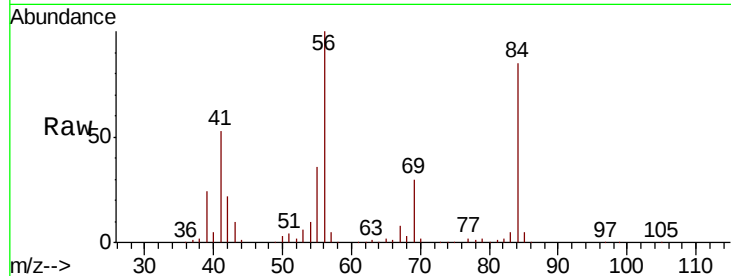




#29
Cyclohexane
Concen: 50.996 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

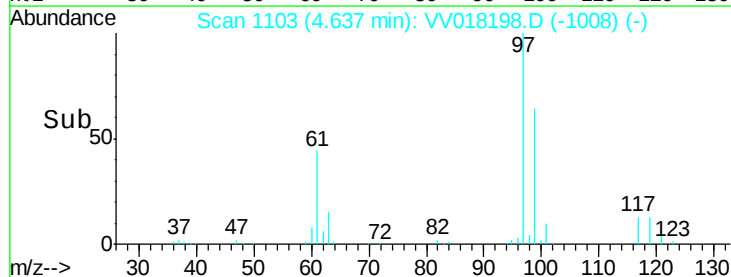
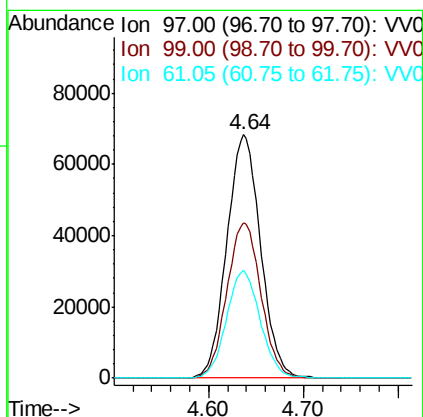
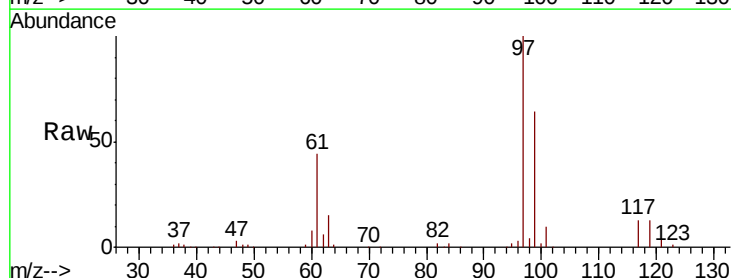
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

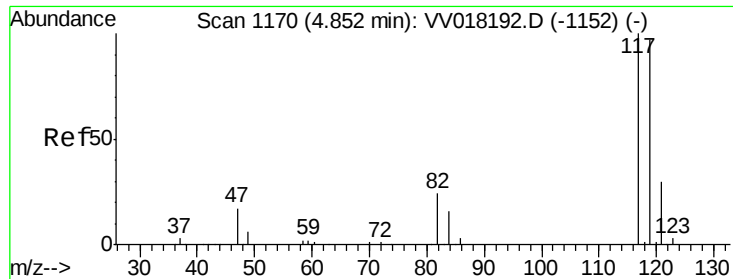
Tot Ion: 56 Resp: 172521
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.2
84 84.7 68.3 102.5



#30
1,1,1-Trichloroethane
Concen: 49.838 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion: 97 Resp: 169450
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 44.3 34.9 52.3





#31

Carbon tetrachloride

Concen: 49.317 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

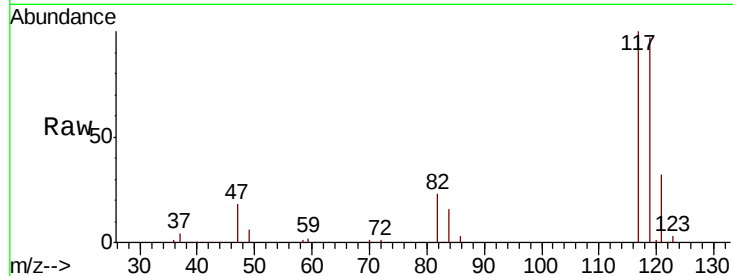
VSTD05099

Tot Ion:117 Resp: 147441

Ion Ratio Lower Upper

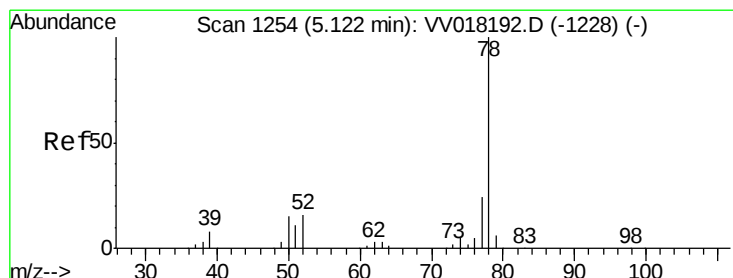
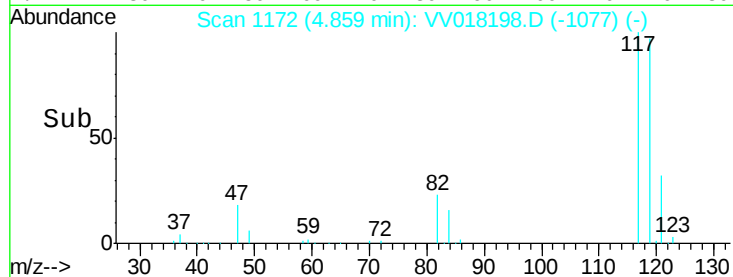
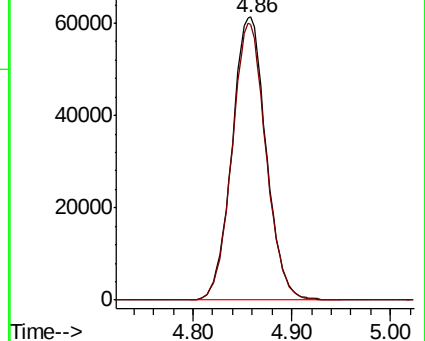
117 100

119 96.8 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.387 ug/L

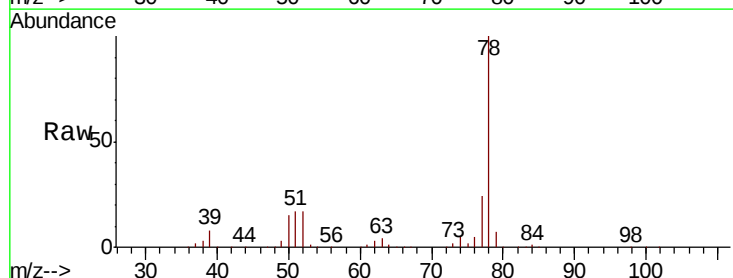
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

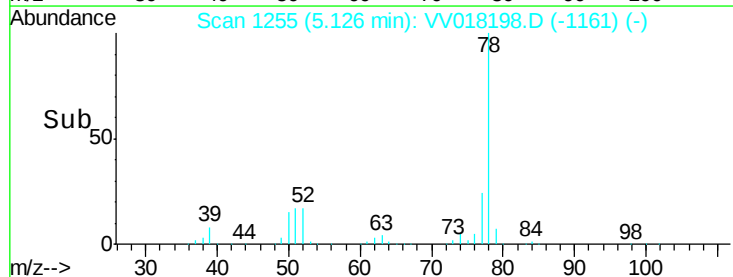
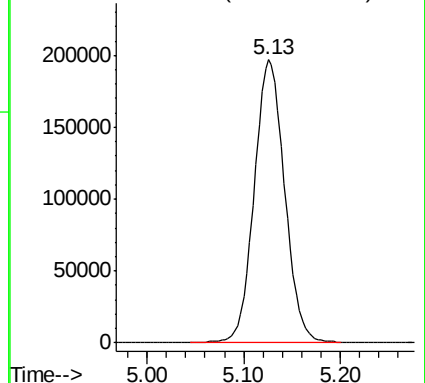
Lab File: VV018198.D

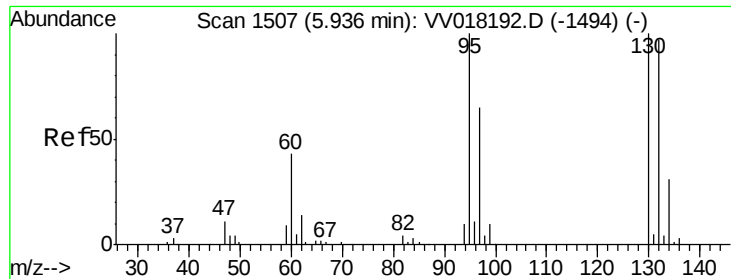
Acq: 11 Sep 2020 16:29

Tgt Ion: 78 Resp: 430440



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.285 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

Tot Ion: 95 Resp: 114742

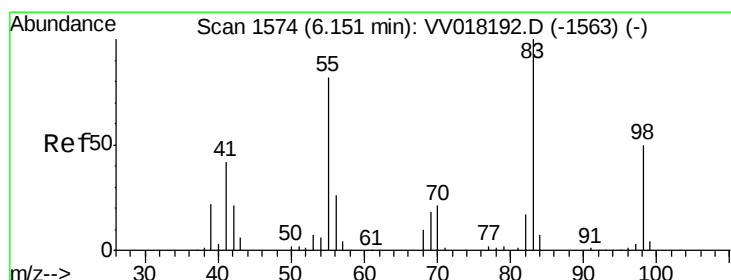
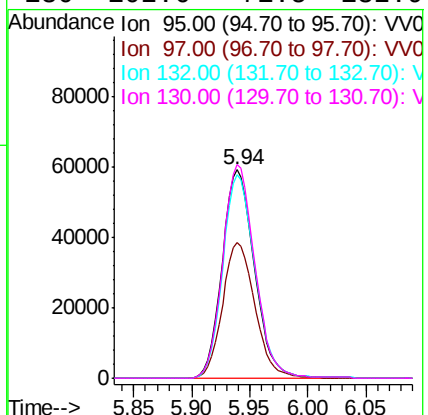
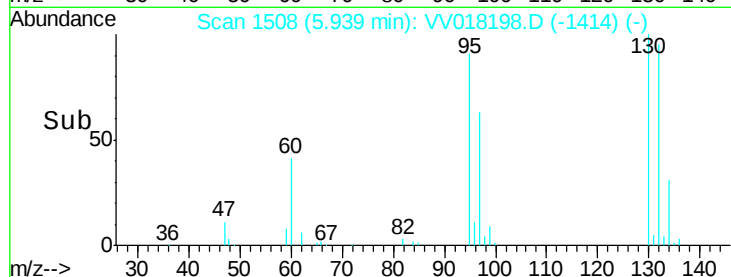
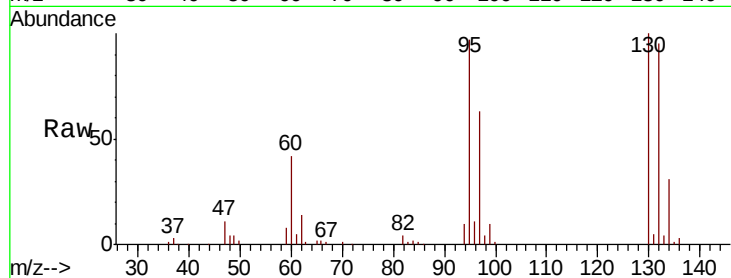
Ion Ratio Lower Upper

95 100

97 64.9 46.3 85.9

132 97.6 68.1 126.5

130 102.6 71.5 132.9



#35

Methylcyclohexane

Concen: 50.183 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

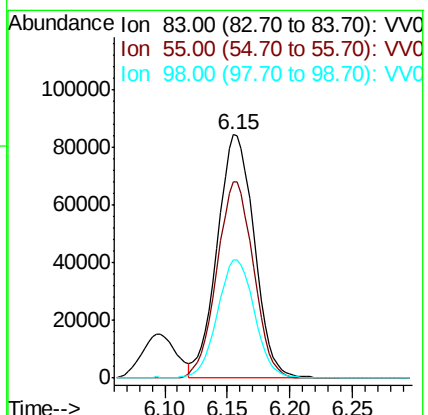
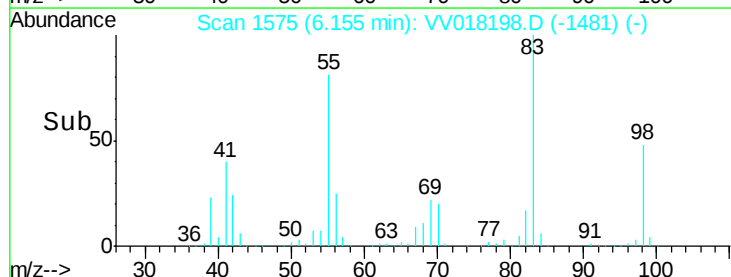
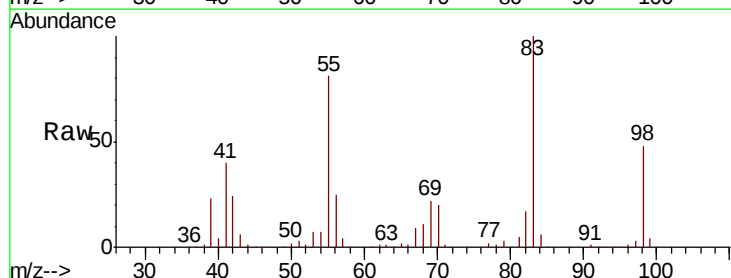
Tgt Ion: 83 Resp: 172411

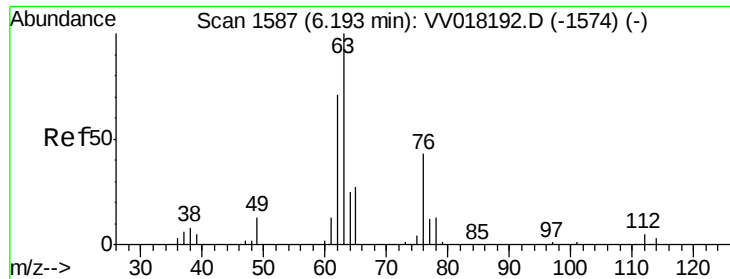
Ion Ratio Lower Upper

83 100

55 79.9 63.4 95.2

98 48.8 38.8 58.2

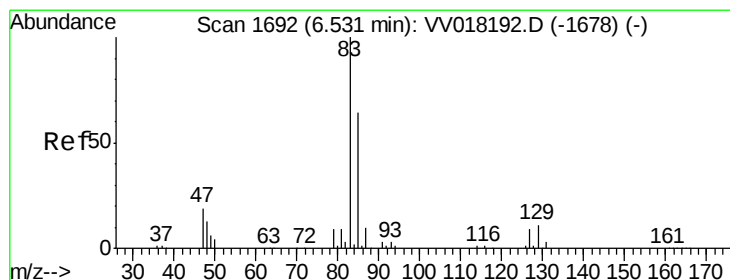
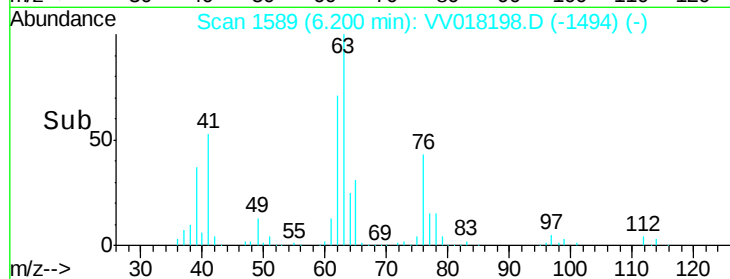
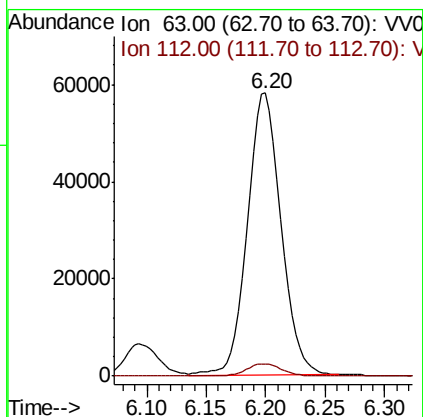
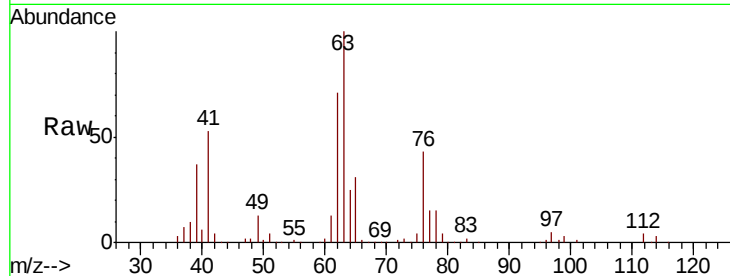




#37
 1,2-Dichloropropane
 Concen: 51.178 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

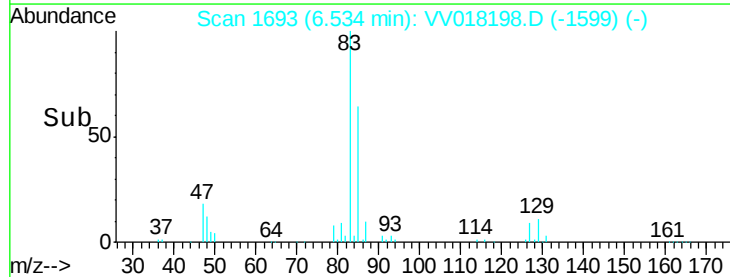
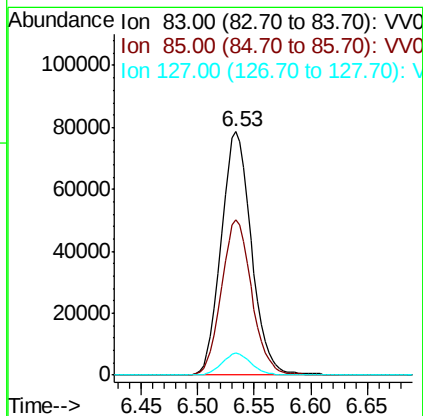
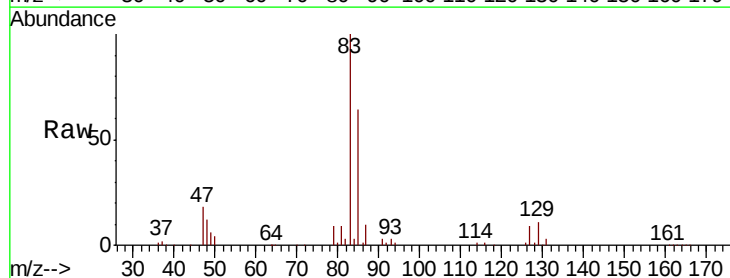
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

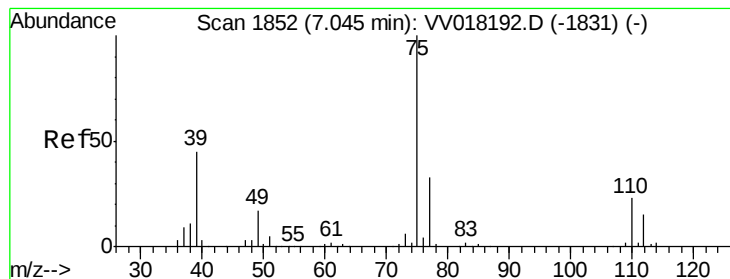
Tot Ion: 63 Resp: 113598
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.756 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

Tgt Ion: 83 Resp: 146608
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 9.0 6.7 10.1



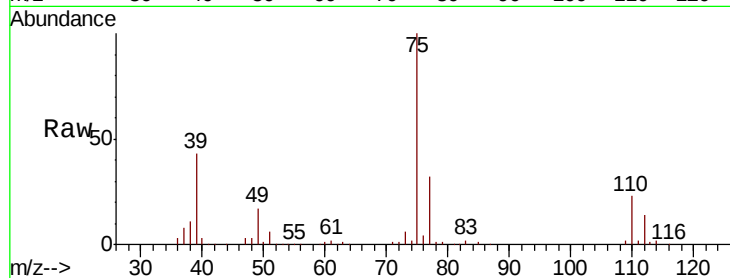


#39

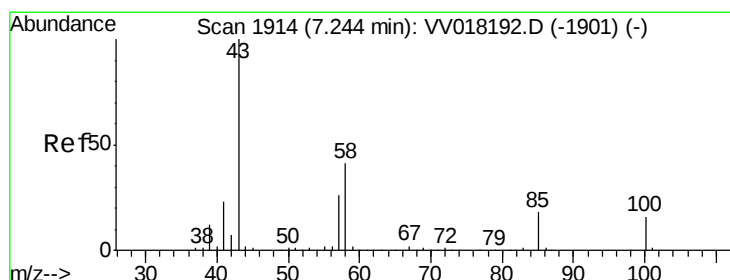
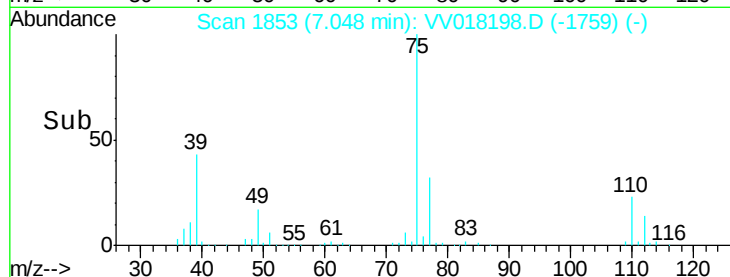
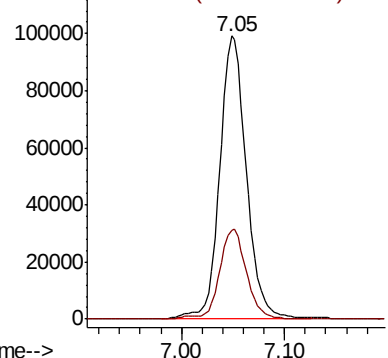
cis-1,3-Dichloropropene
Concen: 52.028 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Instrument :
MSVOA_V
ClientSampled :
VSTD05099

Tot Ion: 75 Resp: 177935
Ion Ratio Lower Upper
75 100
77 31.6 22.3 41.3



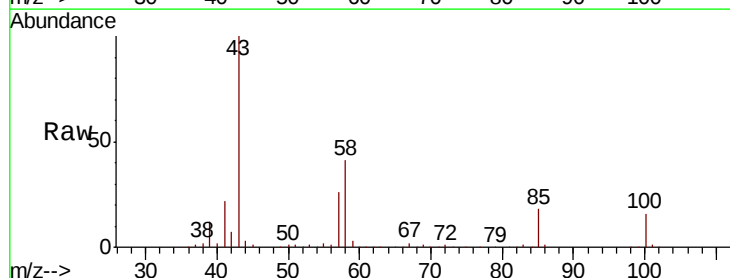
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



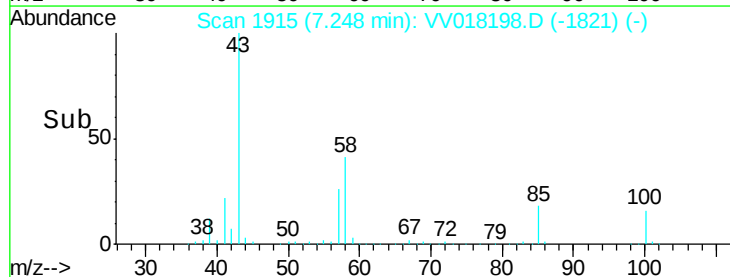
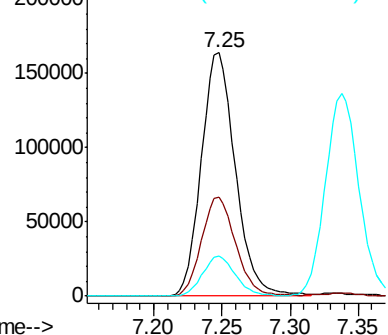
#40

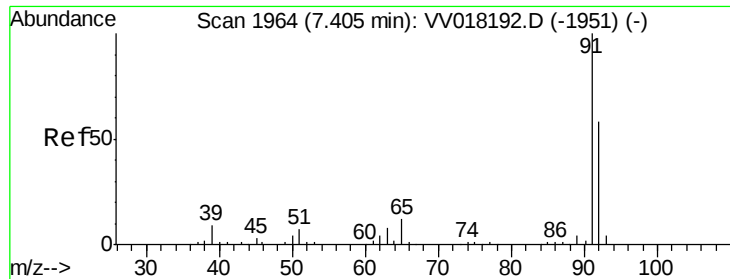
4-Methyl-2-pentanone
Concen: 105.862 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion: 43 Resp: 285064
Ion Ratio Lower Upper
43 100
58 40.9 32.4 48.6
100 16.0 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 52.262 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

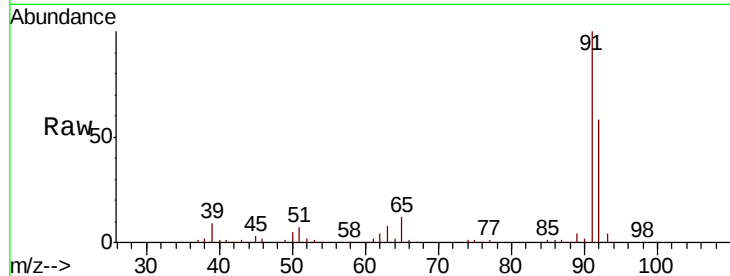
VSTD05099

Tot Ion: 91 Resp: 463278

Ion Ratio Lower Upper

91 100

92 58.5 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

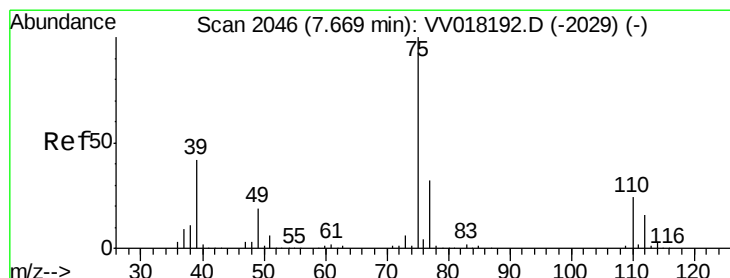
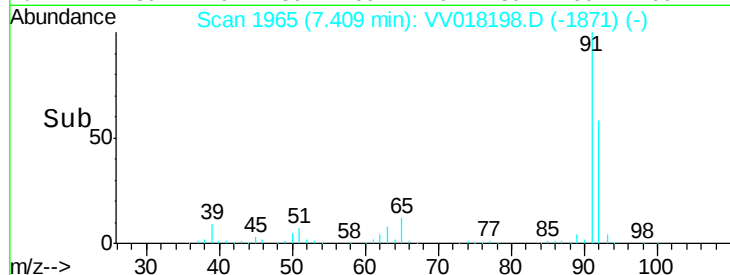
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.252 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018198.D

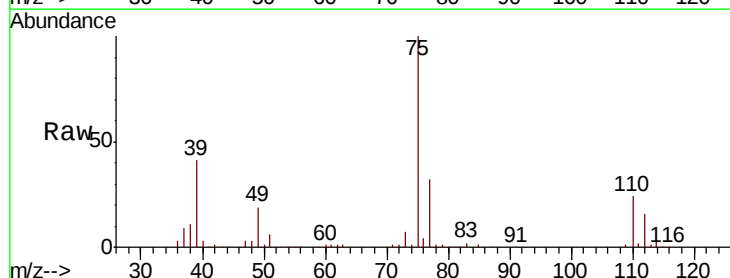
Acq: 11 Sep 2020 16:29

Tgt Ion: 75 Resp: 173991

Ion Ratio Lower Upper

75 100

77 31.8 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

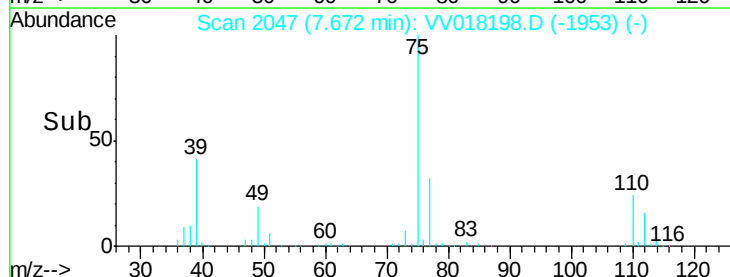
60000

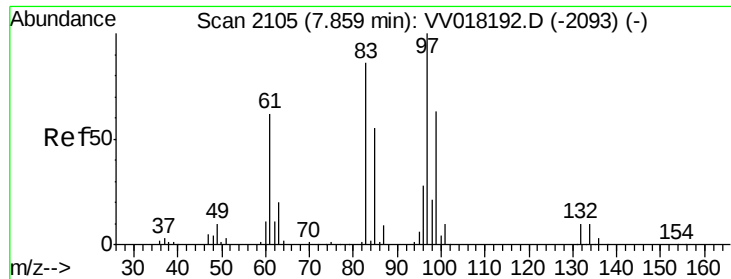
40000

20000

0

Time-->

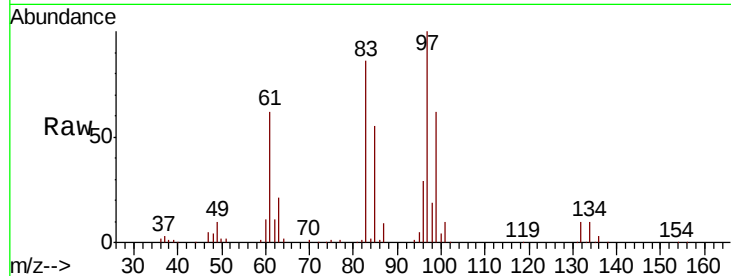




#45
 1,1,2-Trichloroethane
 Concen: 51.932 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

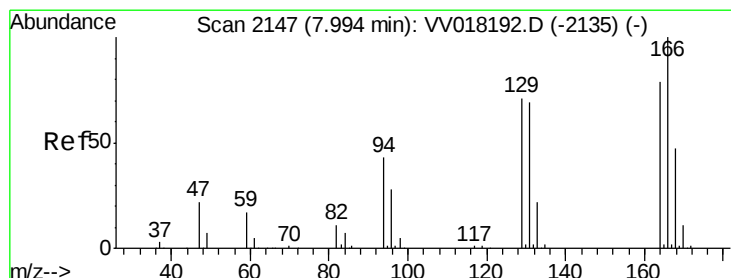
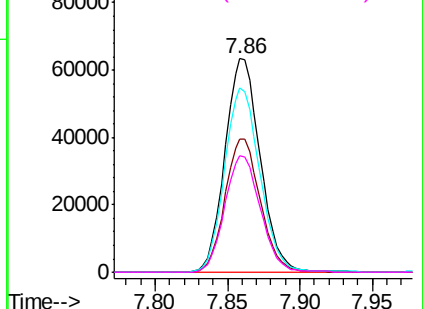
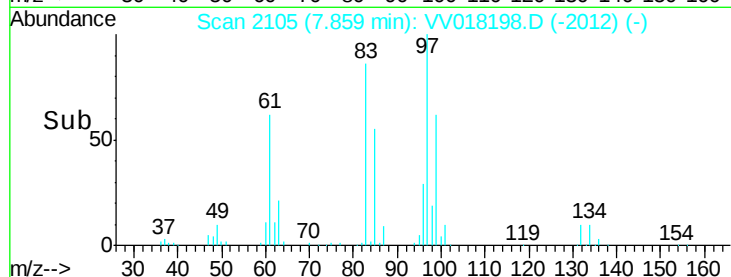
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion:	97	Resp:	106841
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.7	81.1
83	86.2	59.9	111.3
85	54.5	37.6	69.8



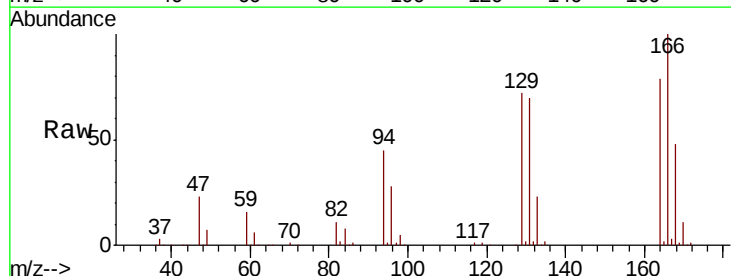
Abundance

Ion 97.00 (96.70 to 97.70): VV018198.D (-2012) (-)



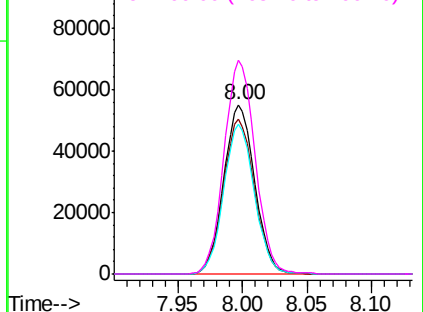
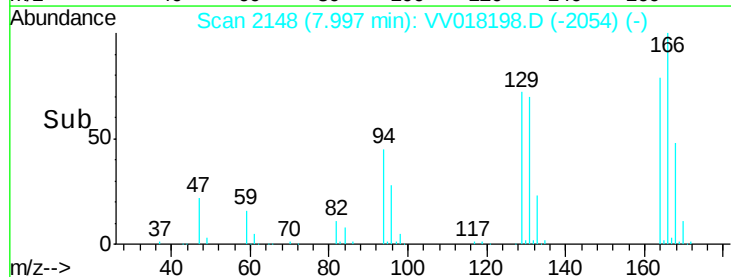
#46
 Tetrachloroethene
 Concen: 51.161 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

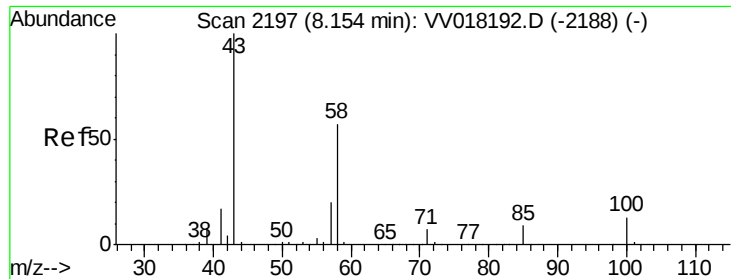
Tgt Ion:	164	Resp:	91534
Ion	Ratio	Lower	Upper
164	100		
129	91.6	64.5	119.7
131	88.9	61.8	114.8
166	126.3	90.6	168.2



Abundance

Ion 164.00 (163.70 to 164.70): VV018198.D (-2054) (-)

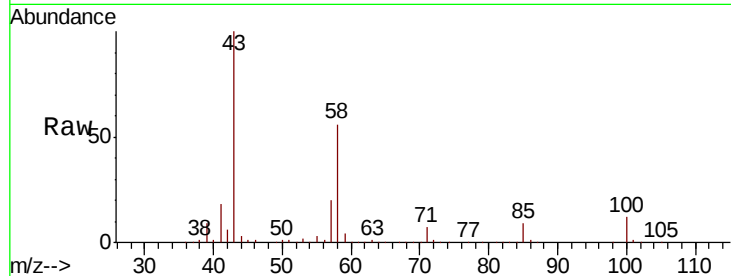




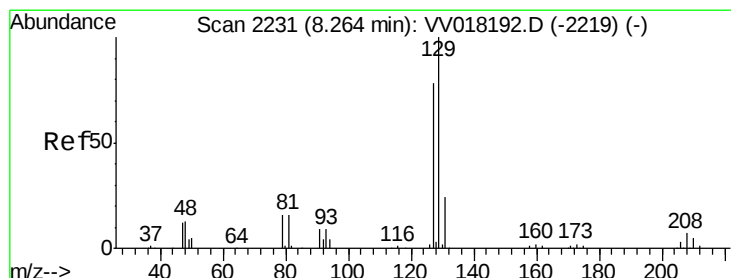
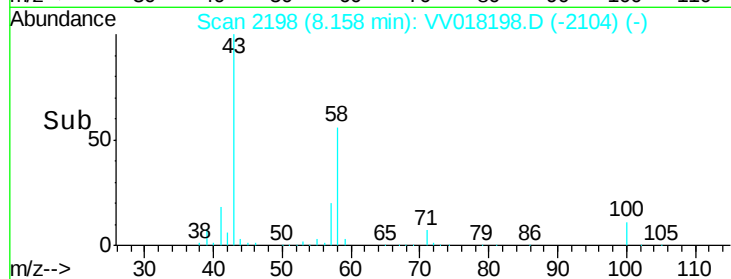
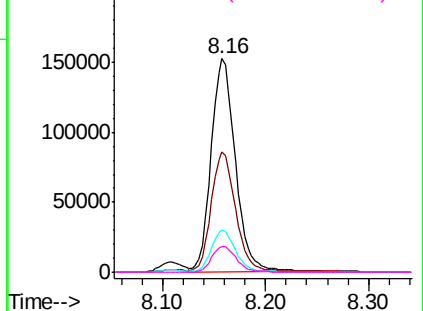
#48
2-Hexanone
Concen: 117.254 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

Tot Ion: 43 Resp: 248924
Ion Ratio Lower Upper
43 100
58 56.4 44.8 67.2
57 19.5 15.8 23.6
100 12.5 10.2 15.4

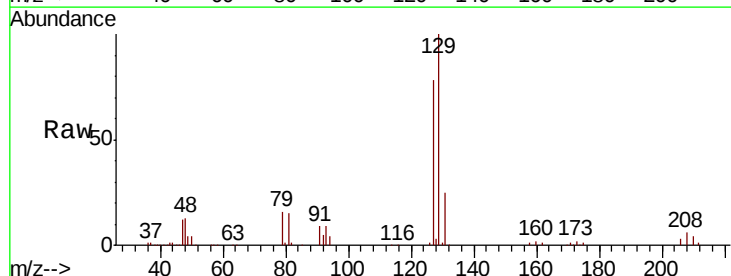


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

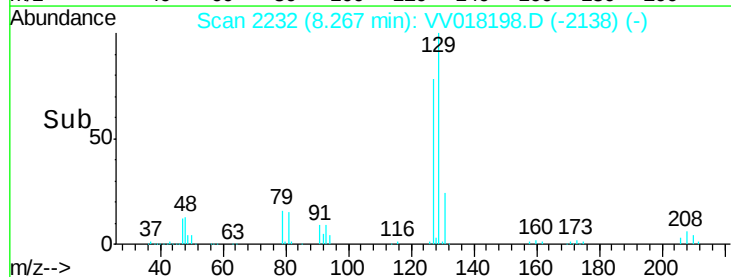
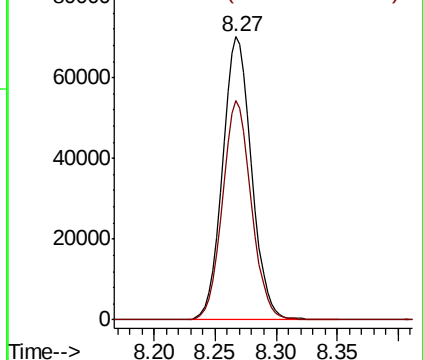


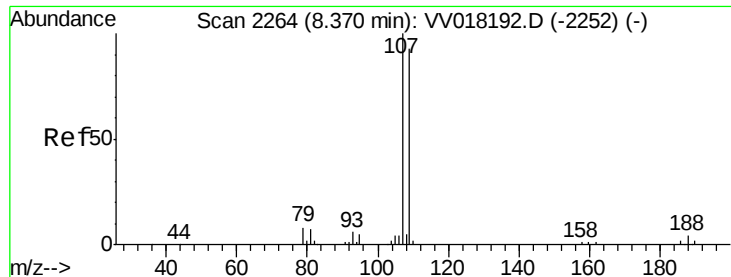
#49
Dibromochloromethane
Concen: 50.830 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion: 129 Resp: 117382
Ion Ratio Lower Upper
129 100
127 77.6 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

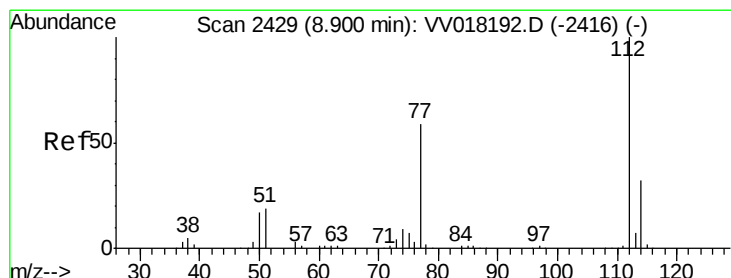
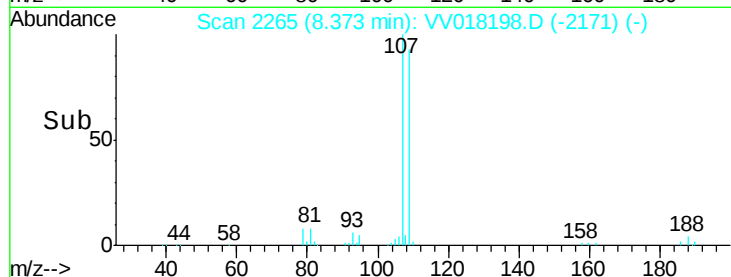
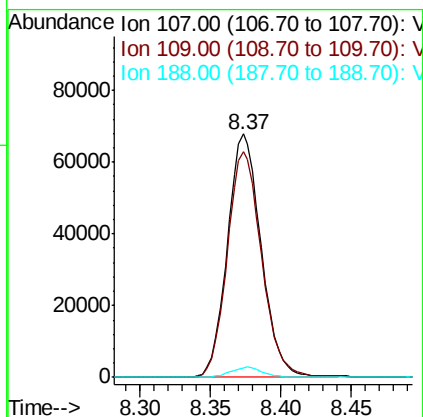
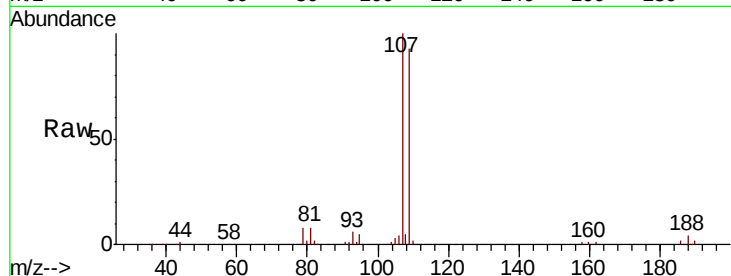




#50
1,2-Dibromoethane
Concen: 52.464 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

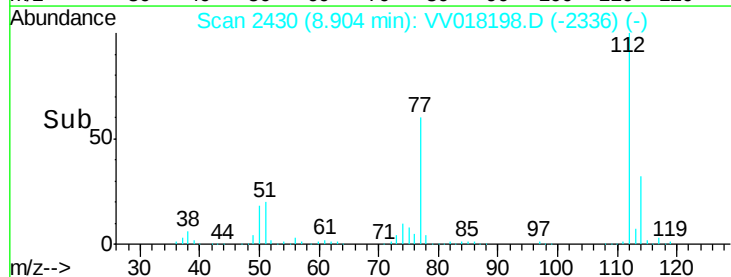
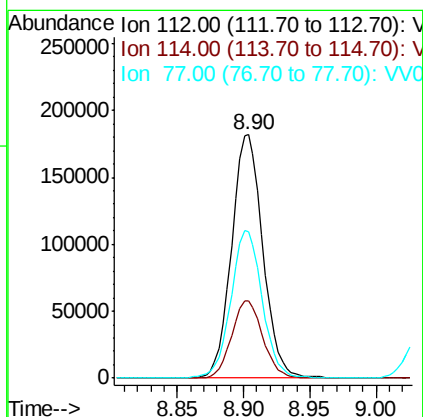
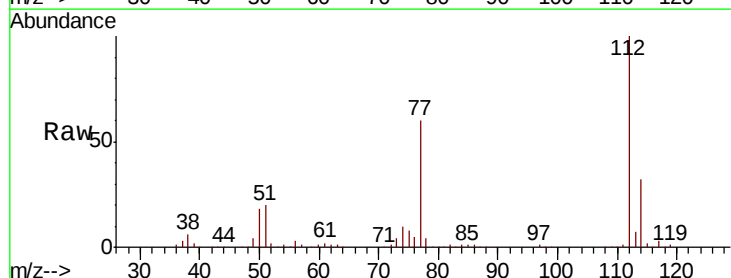
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

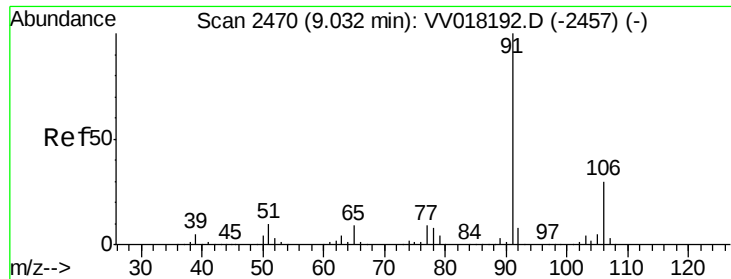
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	66.1	122.8
188	4.0	3.2	4.8



#51
Chlorobenzene
Concen: 51.594 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.6	42.0
77	60.3	48.0	72.0

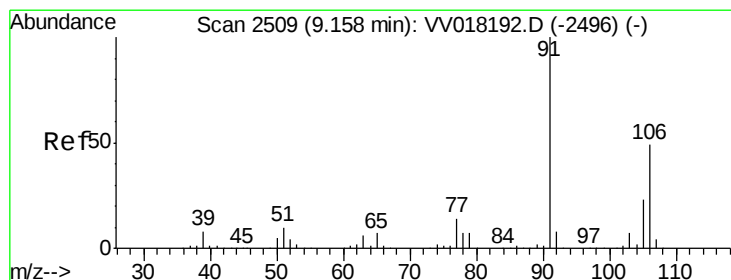
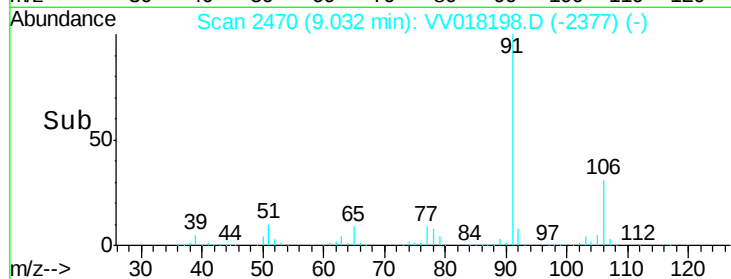
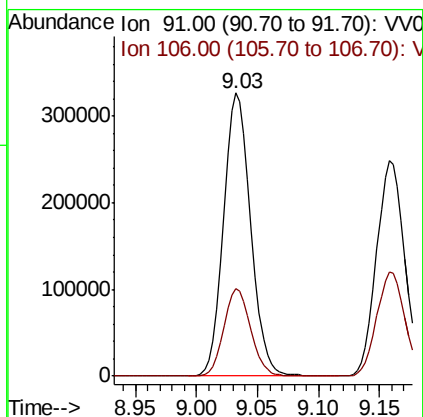
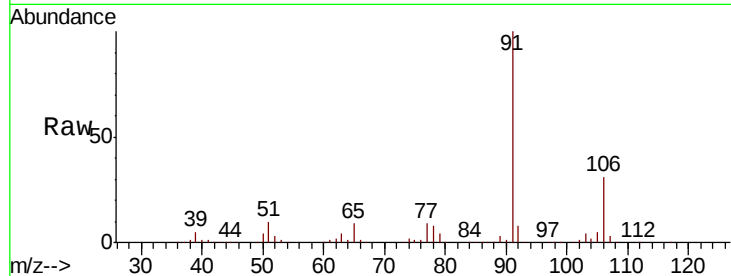




#52
Ethylbenzene
Concen: 52.835 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

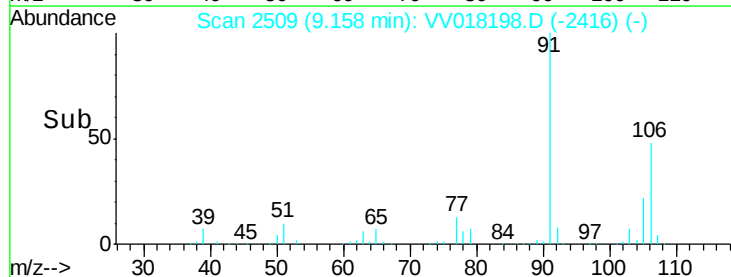
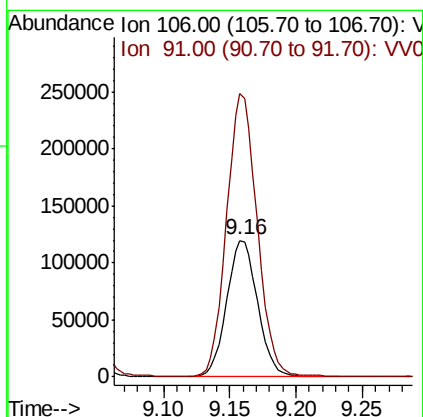
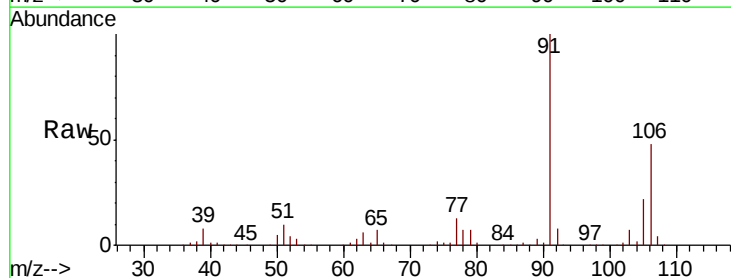
Instrument :
MSVOA_V
ClientSampleId :
VSTD05099

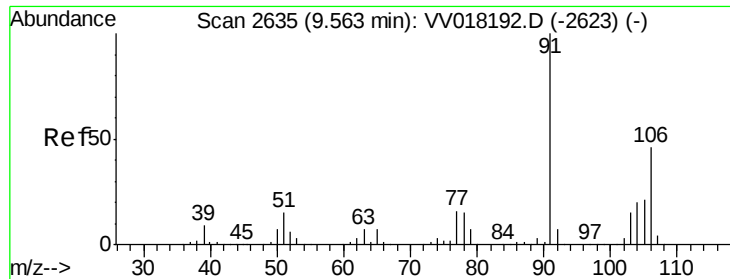
Tot Ion: 91 Resp: 511333
Ion Ratio Lower Upper
91 100
106 30.8 21.3 39.5



#53
m,p-Xylene
Concen: 53.292 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV018198.D
Acq: 11 Sep 2020 16:29

Tgt Ion: 106 Resp: 192505
Ion Ratio Lower Upper
106 100
91 207.3 146.7 272.5





#54

o-xylene

Concen: 53.873 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

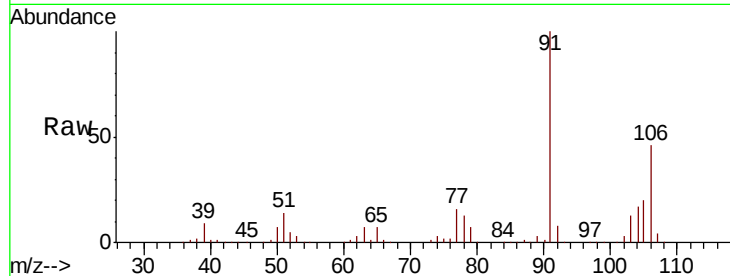
VSTD05099

Tot Ion:106 Resp: 187482

Ion Ratio Lower Upper

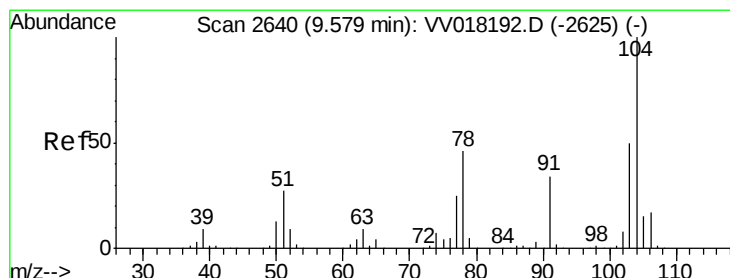
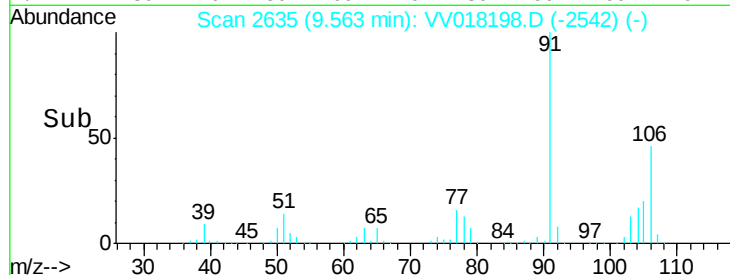
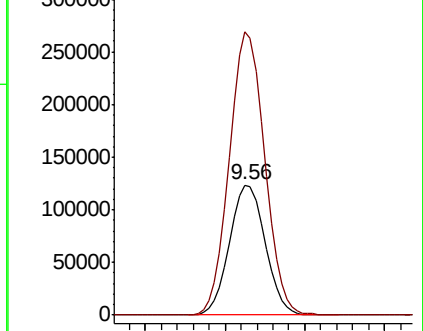
106 100

91 217.6 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 54.861 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018198.D

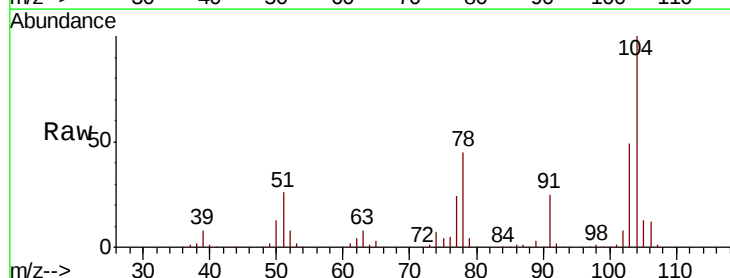
Acq: 11 Sep 2020 16:29

Tgt Ion:104 Resp: 331842

Ion Ratio Lower Upper

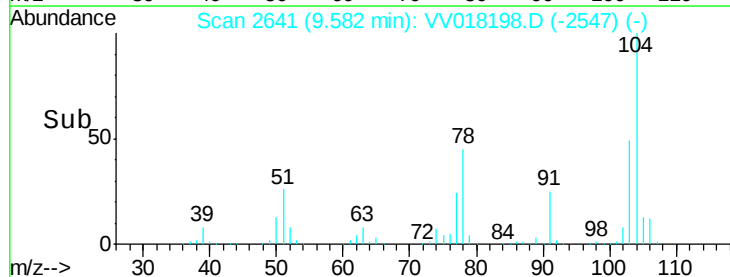
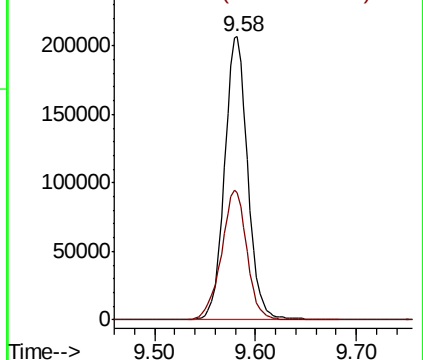
104 100

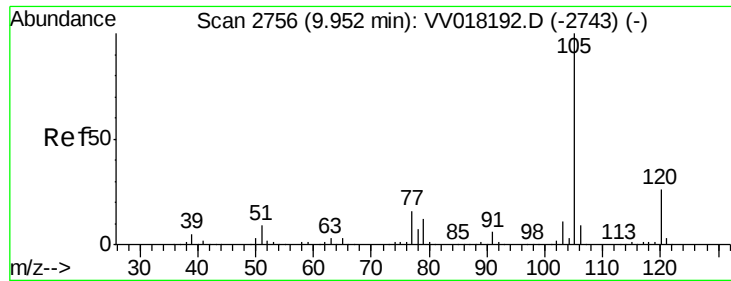
78 44.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.344 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

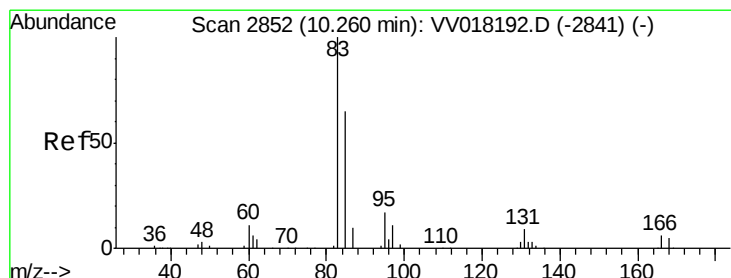
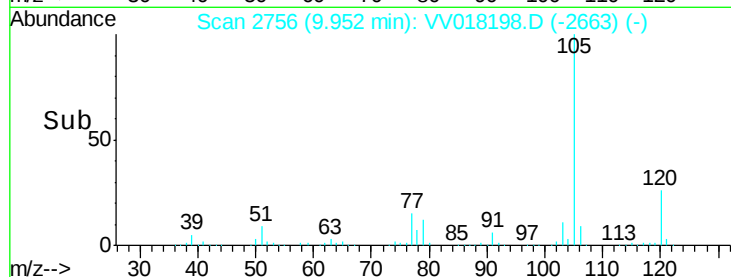
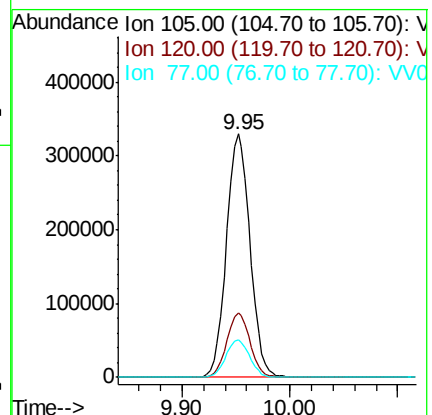
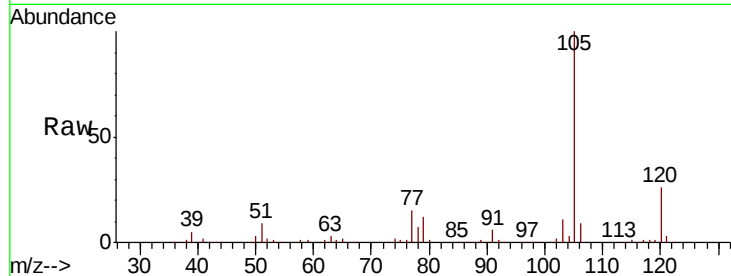
Tot Ion:105 Resp: 500319

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

77 15.6 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 52.690 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

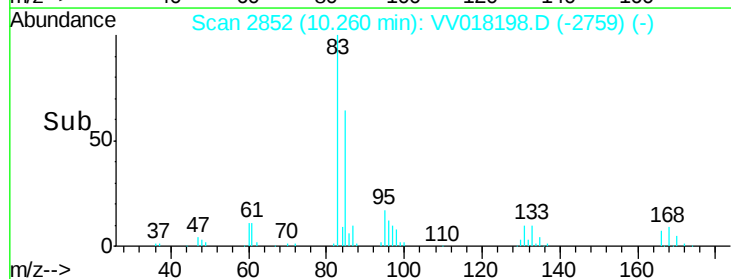
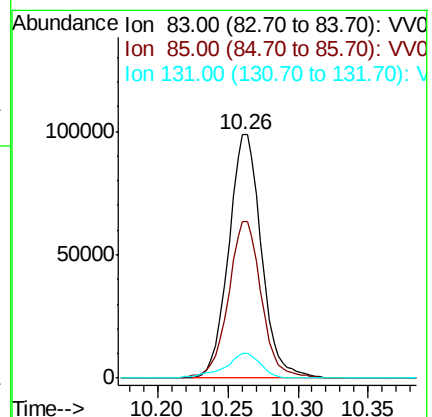
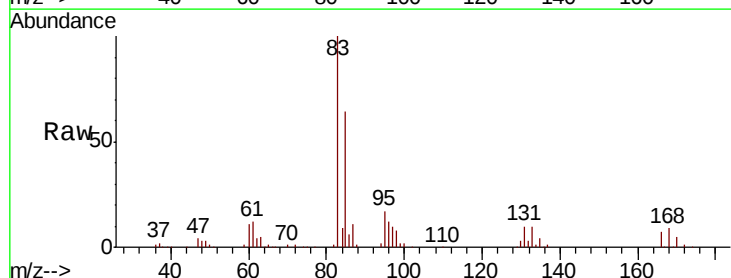
Tgt Ion: 83 Resp: 160350

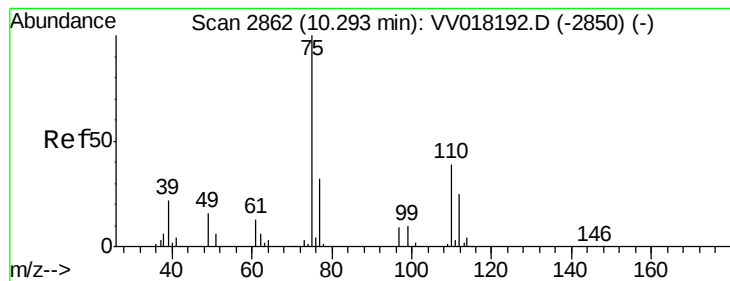
Ion Ratio Lower Upper

83 100

85 64.4 45.8 85.2

131 9.9 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 52.112 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

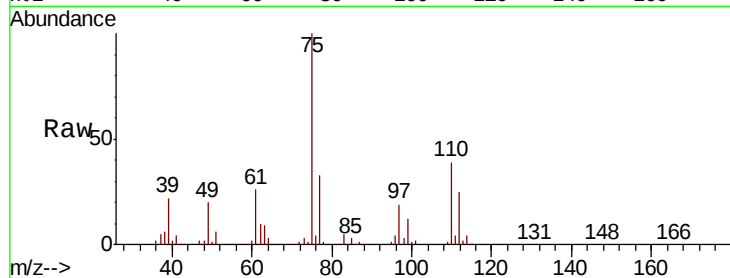
VSTD05099

Tot Ion: 75 Resp: 136050

Ion Ratio Lower Upper

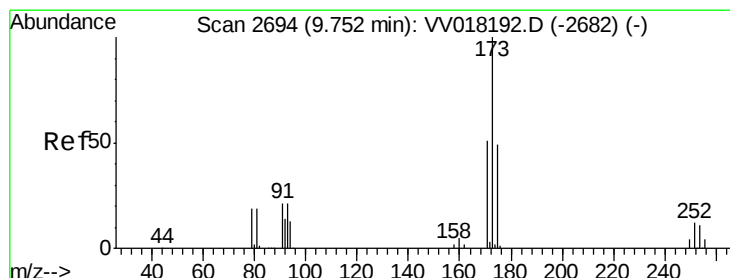
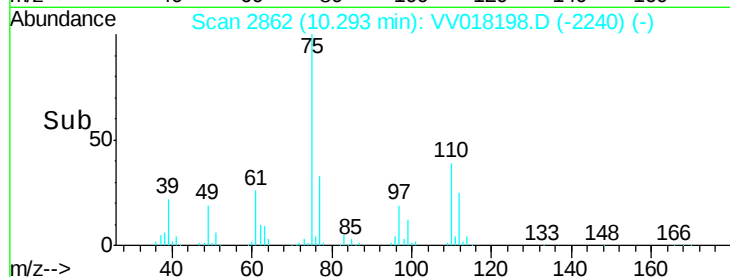
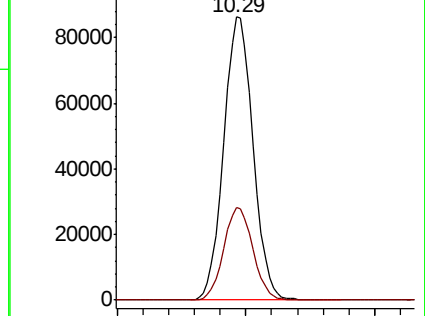
75 100

77 32.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018192.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018192.D (-2850) (-)



#61

Bromoform

Concen: 48.620 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

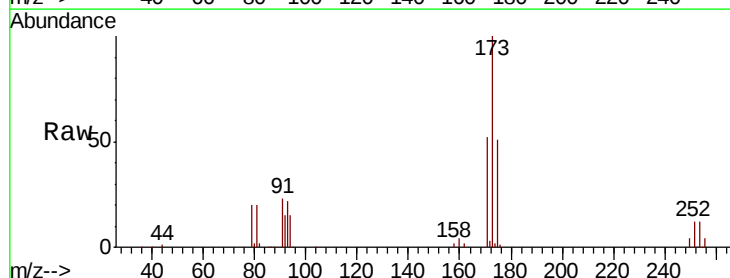
Tgt Ion: 173 Resp: 84739

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

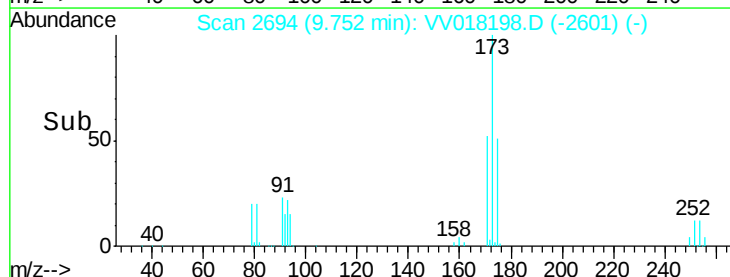
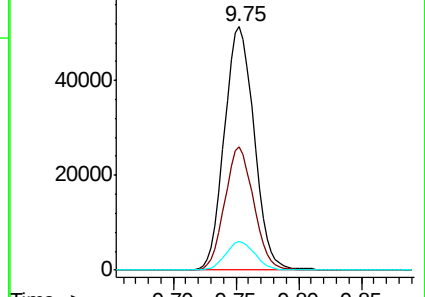
254 11.5 9.0 13.4

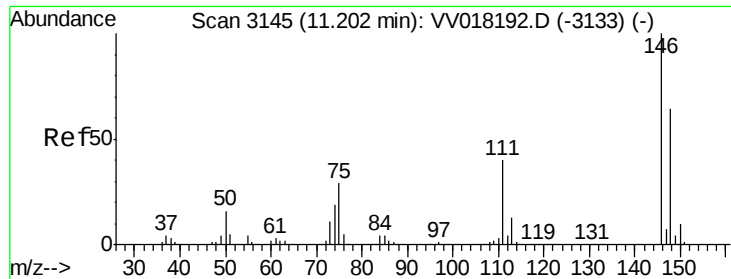


Abundance Ion 173.00 (172.70 to 173.70): VV018192.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018192.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018192.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 52.153 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

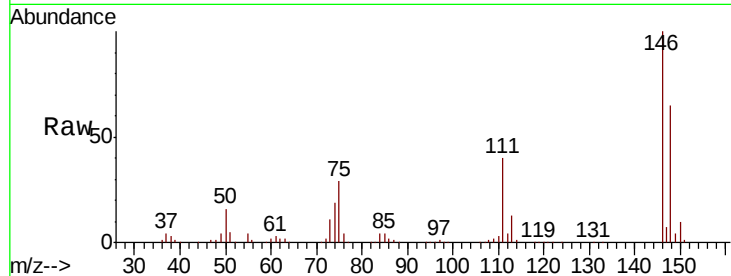
Tot Ion:146 Resp: 251598

Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.2

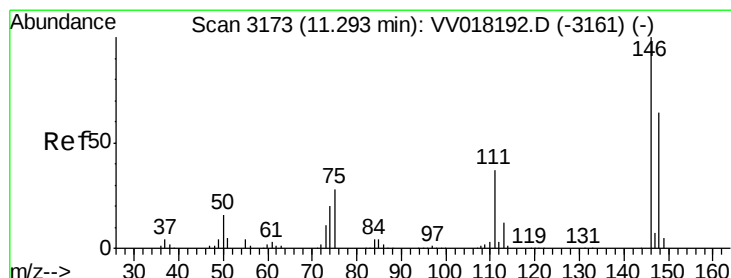
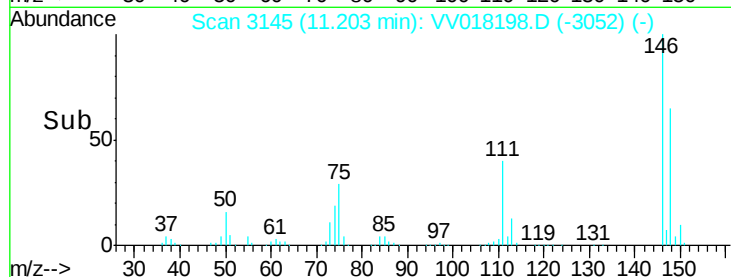
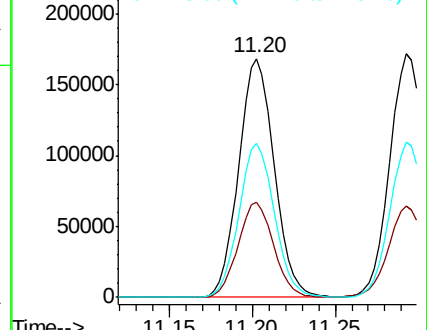
148 64.5 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.458 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

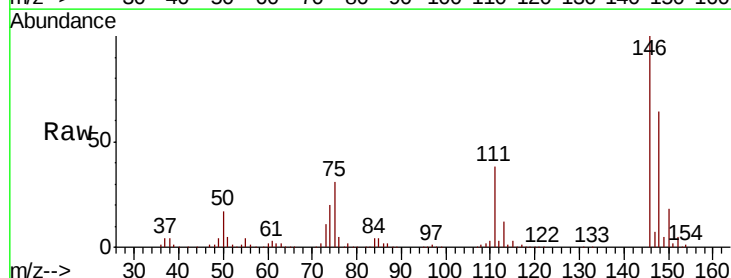
Tgt Ion:146 Resp: 260125

Ion Ratio Lower Upper

146 100

111 37.7 27.1 50.3

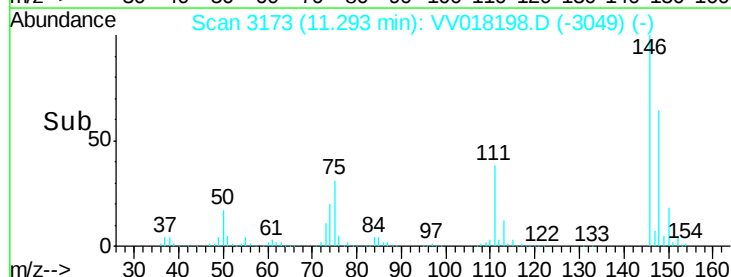
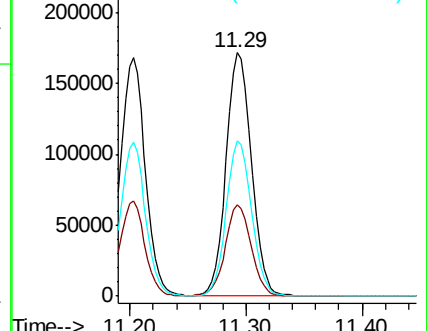
148 63.6 45.4 84.2

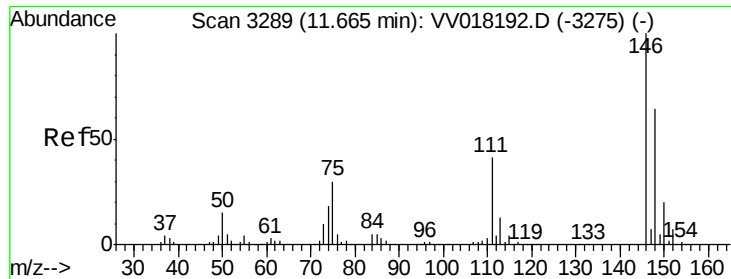


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.433 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

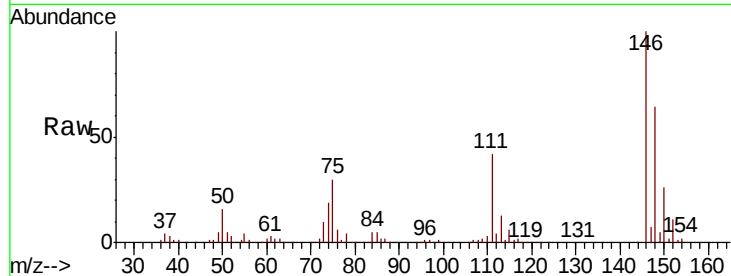
Tot Ion:146 Resp: 250798

Ion Ratio Lower Upper

146 100

111 41.7 32.8 49.2

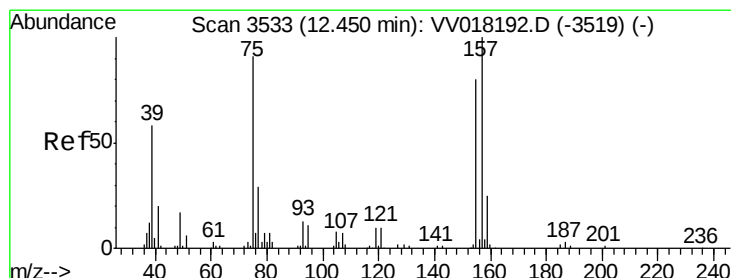
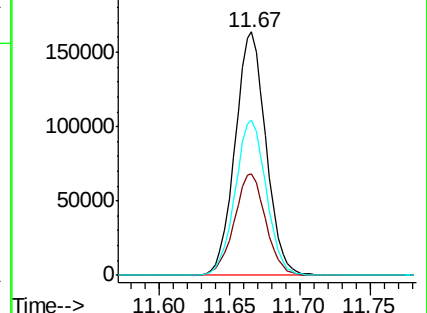
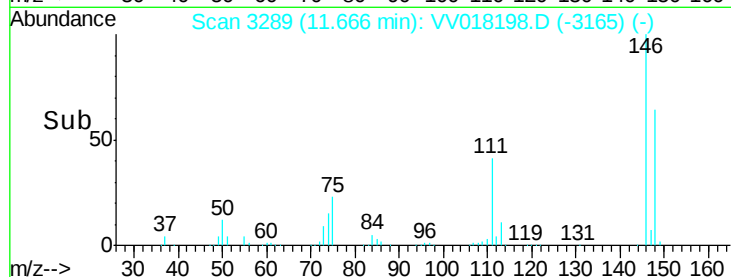
148 63.9 50.7 76.1



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: 51.085 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

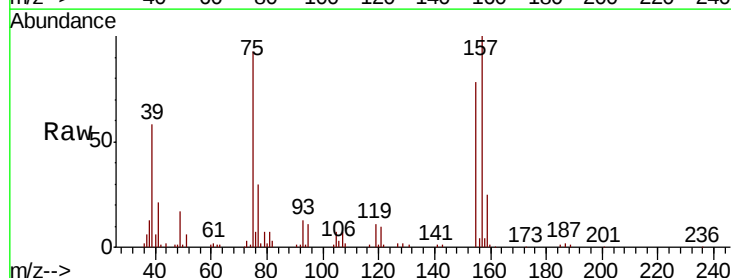
Tgt Ion: 75 Resp: 35152

Ion Ratio Lower Upper

75 100

155 83.8 69.7 104.5

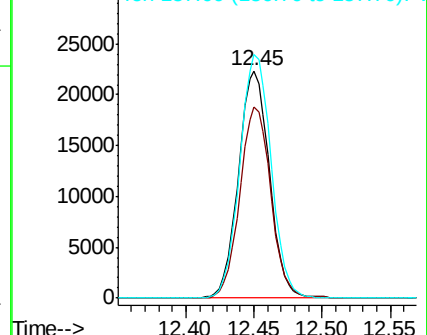
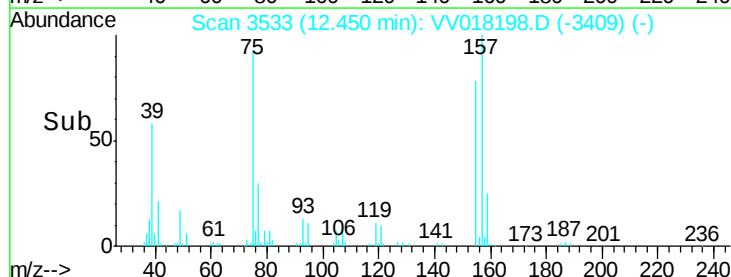
157 107.0 88.2 132.4

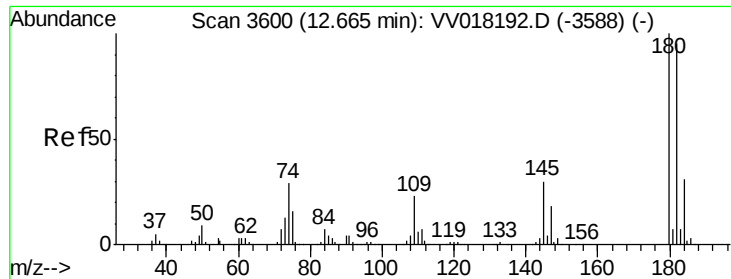


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

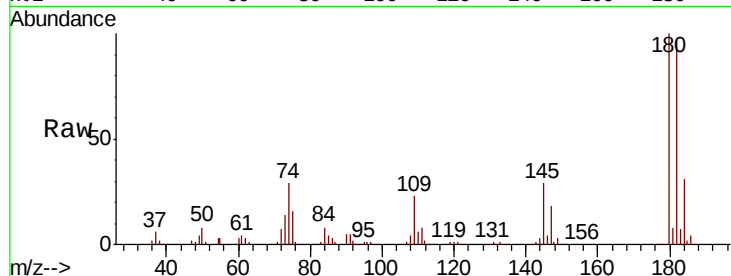




#67
 1,3,5-Trichlorobenzene
 Concen: 51.560 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
184	31.1	24.6	36.8
145	28.7	22.7	34.1



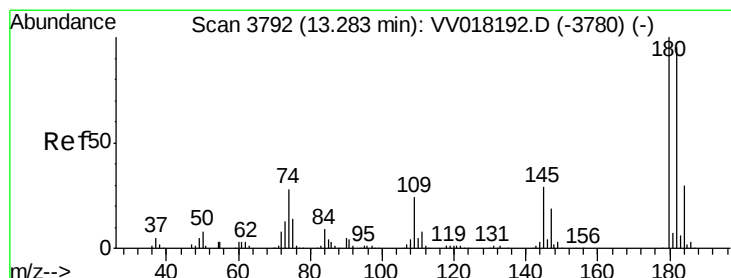
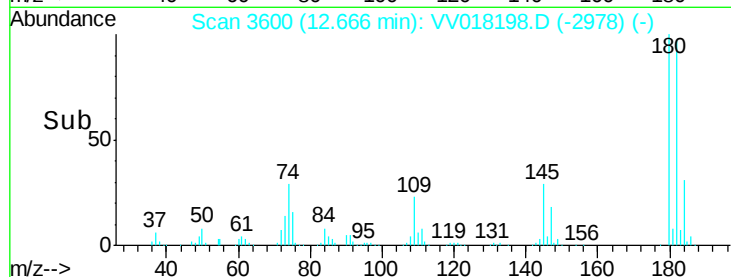
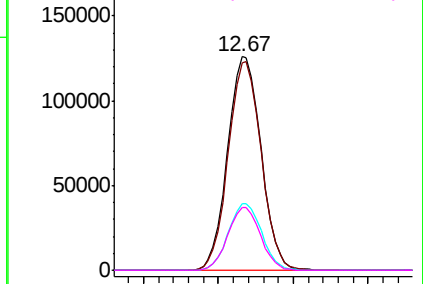
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

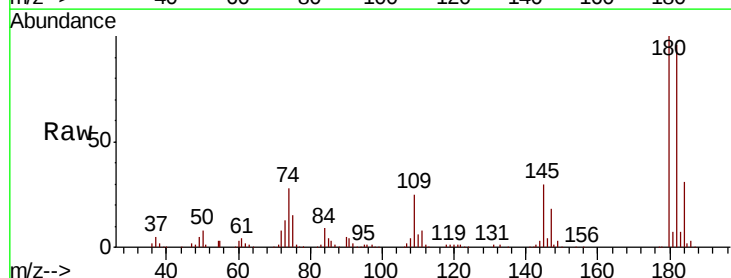
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.948 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018198.D
 Acq: 11 Sep 2020 16:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	29.4	23.2	34.8

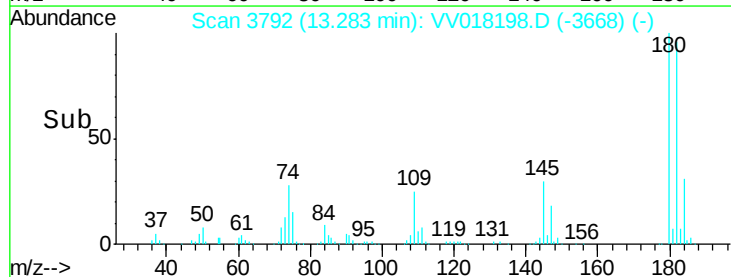
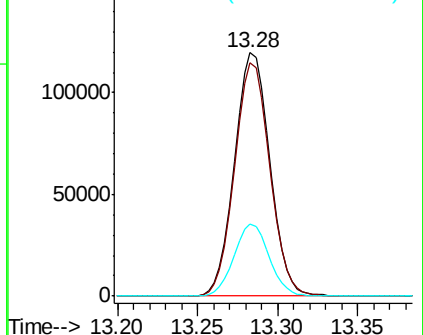


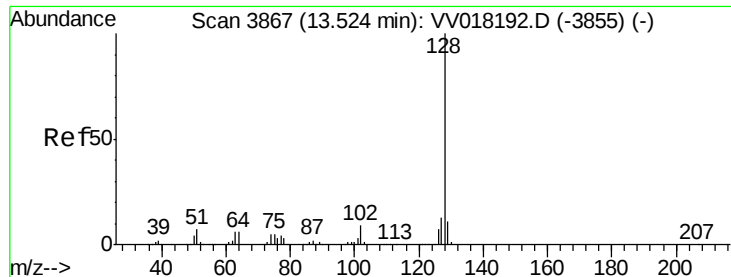
Abundance

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: 58.777 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD05099

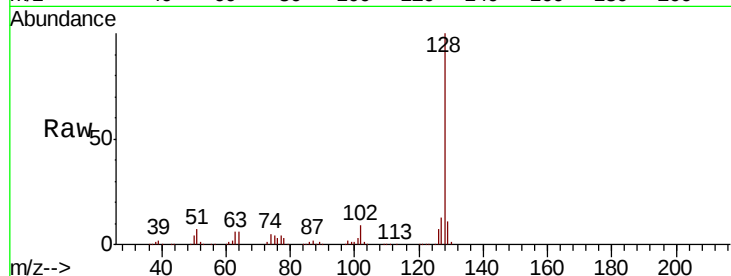
Tot Ion:128 Resp: 503696

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

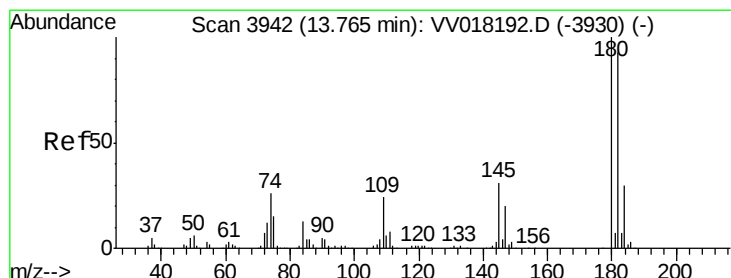
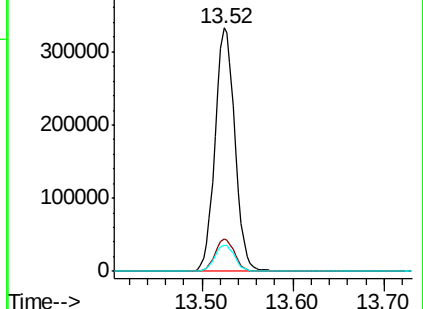
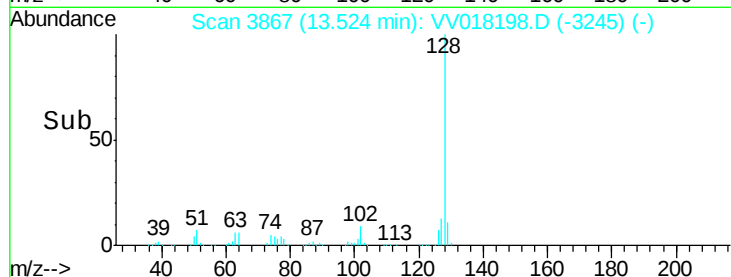
129 10.8 8.6 13.0



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: 53.232 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018198.D

Acq: 11 Sep 2020 16:29

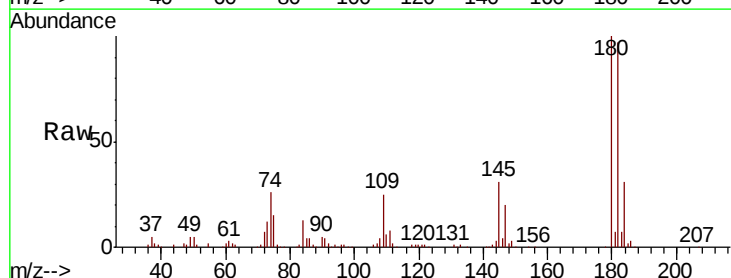
Tgt Ion:180 Resp: 177568

Ion Ratio Lower Upper

180 100

182 96.8 76.5 114.7

145 31.8 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

