

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092120\
 Data File : VV018383.D
 Acq On : 21 Sep 2020 20:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Quant Time: Sep 22 04:38:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 22 04:28:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	280440	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	276594	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93648	40.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.96%
7) Chloroethane-d5	1.58	69	79523	42.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.04%
11) 1,1-Dichloroethene-d2	2.13	63	185189	44.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.34%
21) 2-Butanone-d5	3.92	46	122831	87.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.81%
24) Chloroform-d	4.38	84	179365	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
26) 1,2-Dichloroethane-d4	5.06	65	113696	44.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.46%
32) Benzene-d6	5.08	84	350876	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.62%
36) 1,2-Dichloropropane-d6	6.09	67	110324	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.70%
41) Toluene-d8	7.34	98	324064	44.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.82%
43) trans-1,3-Dichloropropene-	7.64	79	55207	43.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.36%
47) 2-Hexanone-d5	8.11	63	88941	93.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.33%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	143959	45.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	137656	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97608	47.732	ug/L 100
3) Chloromethane	1.25	50	107670	48.219	ug/L 100
5) Vinyl chloride	1.32	62	109215	47.696	ug/L 99
6) Bromomethane	1.53	94	69389	49.579	ug/L 100
8) Chloroethane	1.60	64	71049	49.532	ug/L 100
9) Trichlorofluoromethane	1.77	101	155114	49.235	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	93668	49.497	ug/L 99
12) 1,1-Dichloroethene	2.14	96	90233	49.004	ug/L 97
13) Acetone	2.20	43	121577	108.535	ug/L 99
14) Carbon disulfide	2.31	76	259389	46.036	ug/L 100
15) Methyl Acetate	2.45	43	96950	48.160	ug/L 100
16) Methylene chloride	2.52	84	101233	49.021	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	93016	49.016	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	285348	48.610	ug/L 100
19) 1,1-Dichloroethane	3.21	63	177520	49.477	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	99300	48.951	ug/L 97
22) 2-Butanone	4.00	43	146497	110.444	ug/L 97

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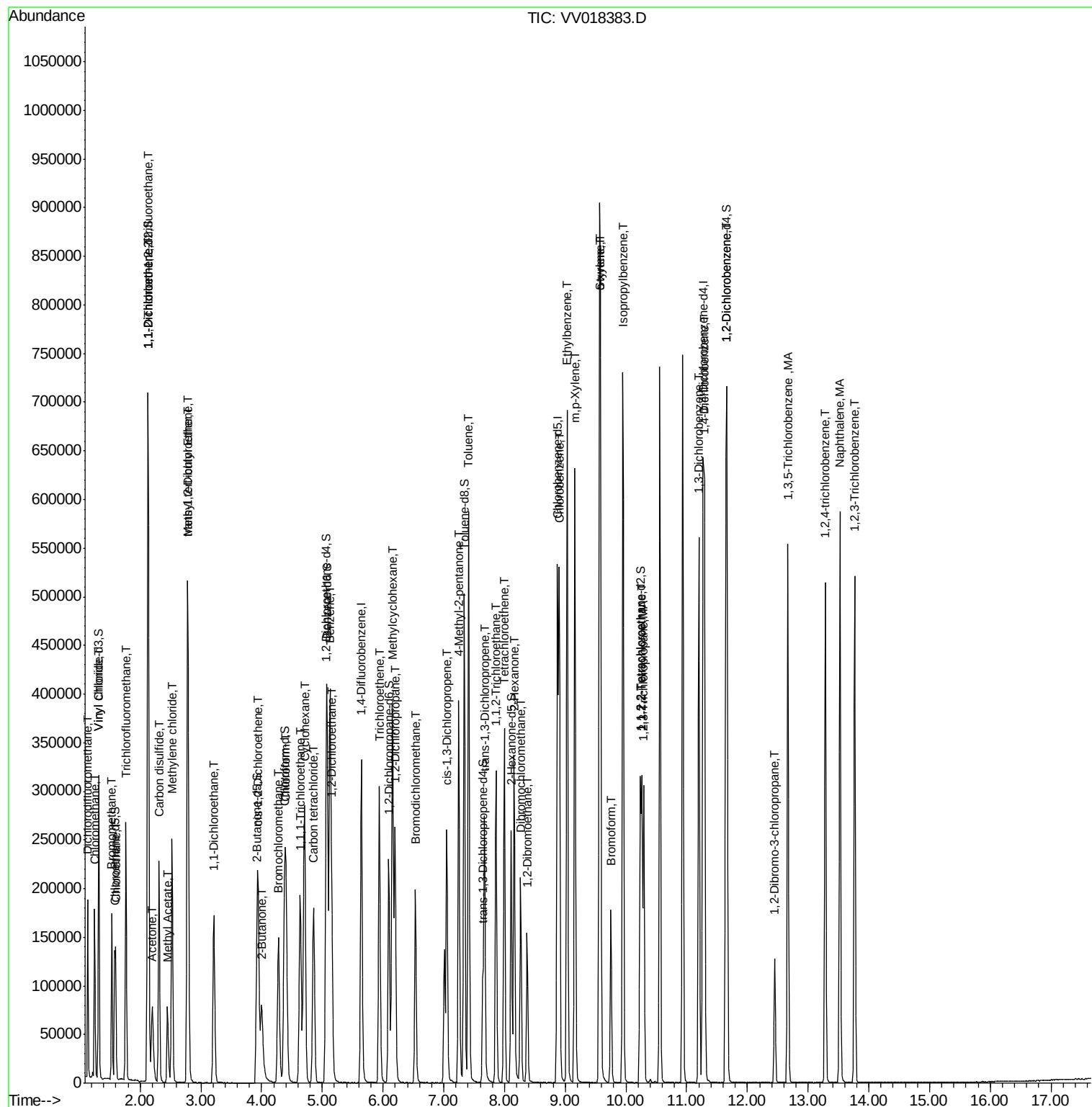
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	52112	49.099	ug/L	96
25) Chloroform	4.40	83	179917	49.331	ug/L	99
27) 1,2-Dichloroethane	5.16	62	140986	49.934	ug/L	100
29) Cyclohexane	4.71	56	157069	49.177	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	157221	48.979	ug/L	99
31) Carbon tetrachloride	4.86	117	137021	48.545	ug/L	99
33) Benzene	5.13	78	391214	49.470	ug/L	100
34) Trichloroethene	5.94	95	105420	48.935	ug/L	98
35) Methylcyclohexane	6.16	83	158990	49.017	ug/L	99
37) 1,2-Dichloropropane	6.20	63	103663	49.468	ug/L	99
38) Bromodichloromethane	6.53	83	131788	48.326	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	151969	47.067	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	254882	100.258	ug/L	100
42) Toluene	7.41	91	421856	50.407	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	154793	49.239	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	97042	49.962	ug/L	99
46) Tetrachloroethene	8.00	164	83620	49.505	ug/L	99
48) 2-Hexanone	8.16	43	205903	102.732	ug/L	99
49) Dibromochloromethane	8.27	129	107298	49.214	ug/L	100
50) 1,2-Dibromoethane	8.37	107	101379	49.593	ug/L	98
51) Chlorobenzene	8.90	112	271846	50.017	ug/L	99
52) Ethylbenzene	9.03	91	460359	50.385	ug/L	99
53) m,p-Xylene	9.16	106	174893	51.283	ug/L	96
54) o-xylene	9.56	106	168126	51.172	ug/L	98
55) Styrene	9.58	104	299625	52.468	ug/L	100
56) Isopropylbenzene	9.95	105	452600	51.114	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	144186	50.184	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	121198	49.172	ug/L	98
61) Bromoform	9.75	173	79070	48.310	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	221641	48.923	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	227209	48.792	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	221428	48.355	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31568	48.852	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	170352	47.697	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	156297	49.143	ug/L	98
69) Naphthalene	13.52	128	440507	54.738	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	159988	51.073	ug/L	100

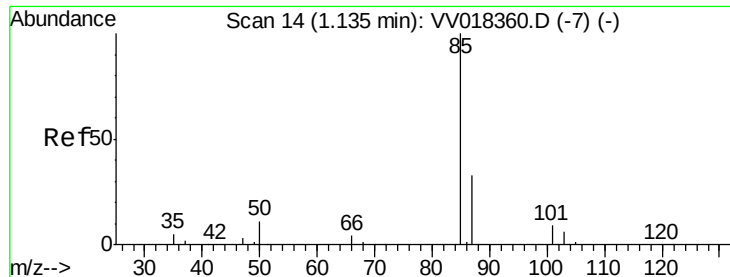
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.732 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

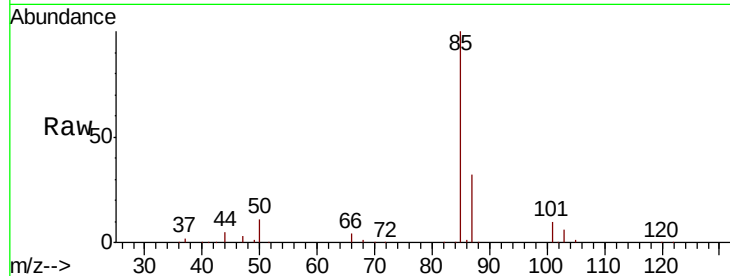
VSTD05082

Tot Ion: 85 Resp: 97608

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

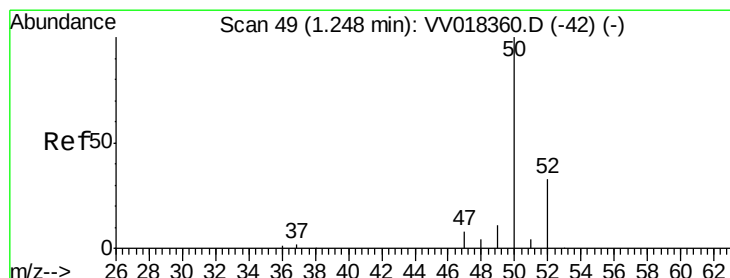
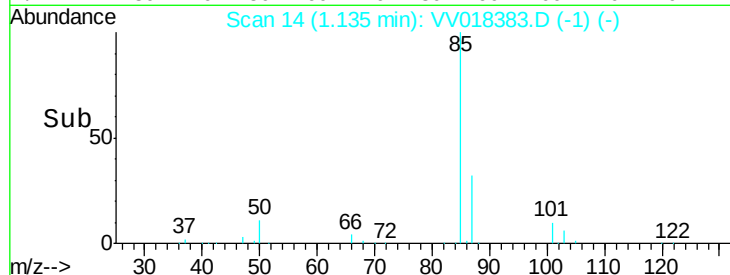
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 48.219 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018383.D

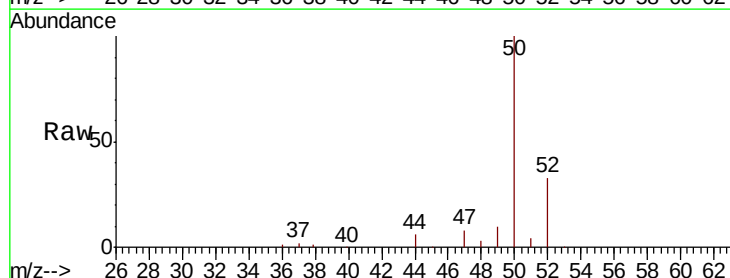
Acq: 21 Sep 2020 20:08

Tgt Ion: 50 Resp: 107670

Ion Ratio Lower Upper

50 100

52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

120000

100000

80000

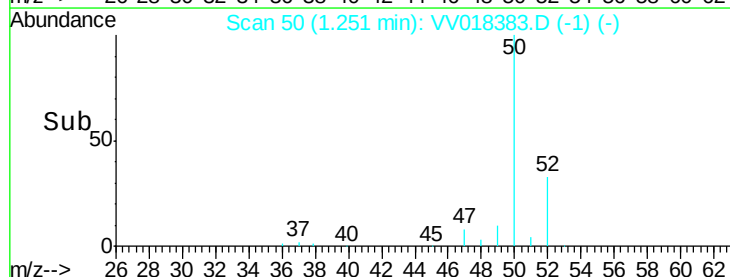
60000

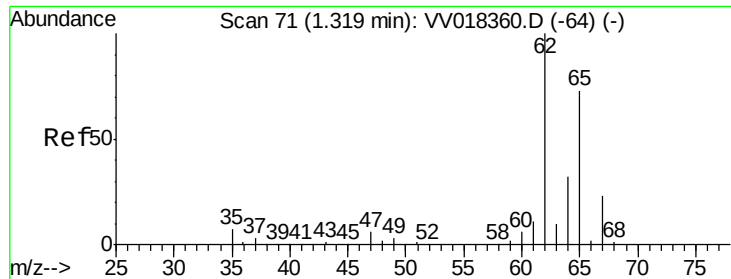
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 47.696 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

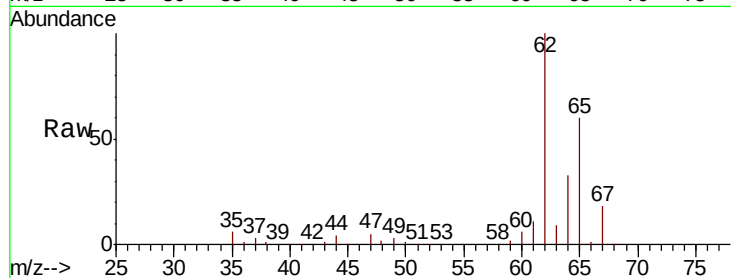
VSTD05082

Tot Ion: 62 Resp: 109215

Ion Ratio Lower Upper

62 100

64 33.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

40000

20000

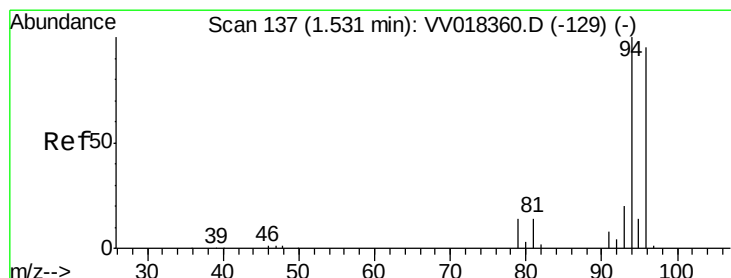
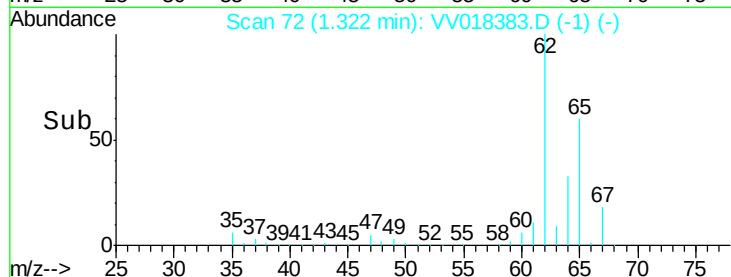
0

1.32

1.35

1.40

Time-->



#6

Bromomethane

Concen: 49.579 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018383.D

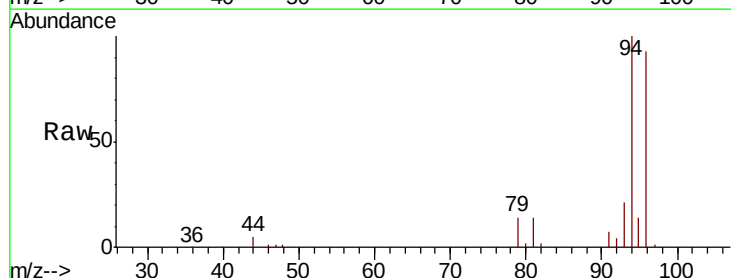
Acq: 21 Sep 2020 20:08

Tgt Ion: 94 Resp: 69389

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

40000

20000

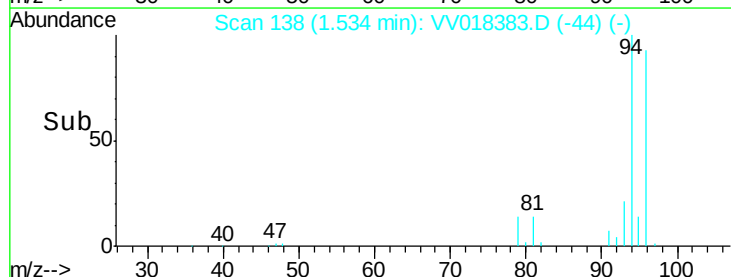
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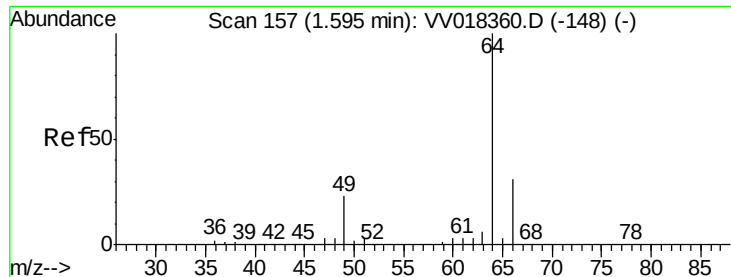
1.53

1.55

1.60

Time-->





#8

Chloroethane

Concen: 49.532 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

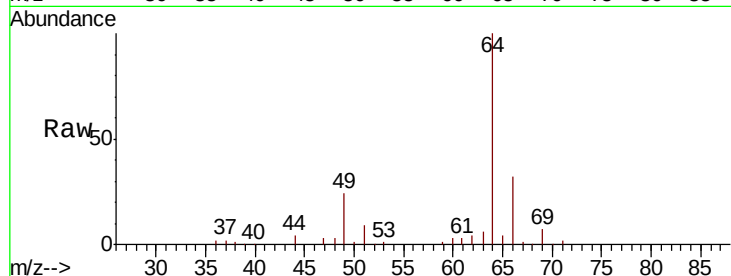
VSTD05082

Tot Ion: 64 Resp: 71049

Ion Ratio Lower Upper

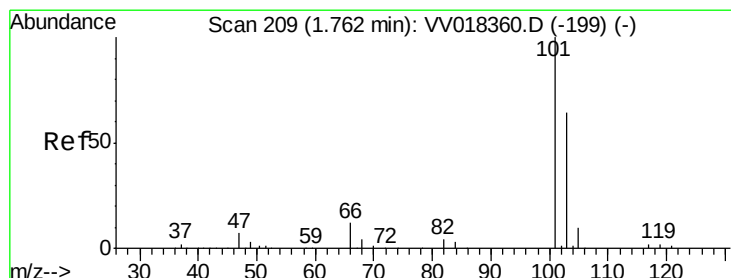
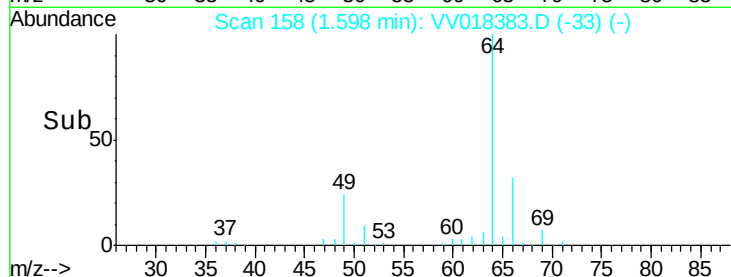
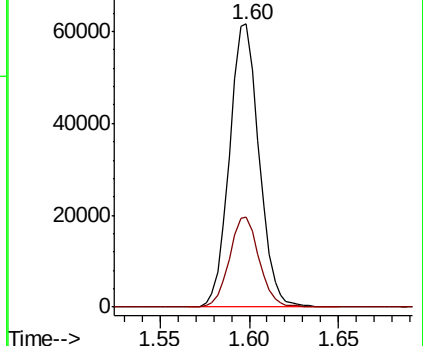
64 100

66 31.9 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018360.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018360.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 49.235 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018383.D

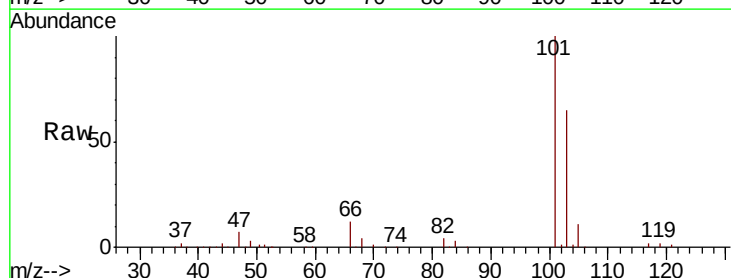
Acq: 21 Sep 2020 20:08

Tgt Ion: 101 Resp: 155114

Ion Ratio Lower Upper

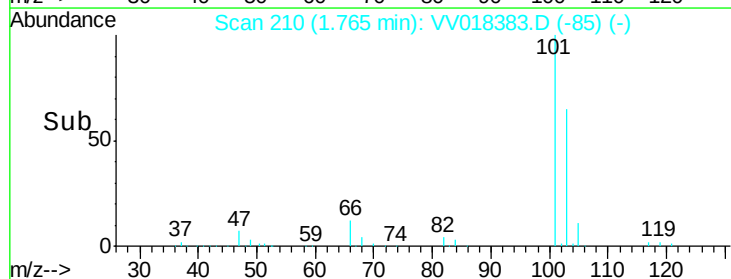
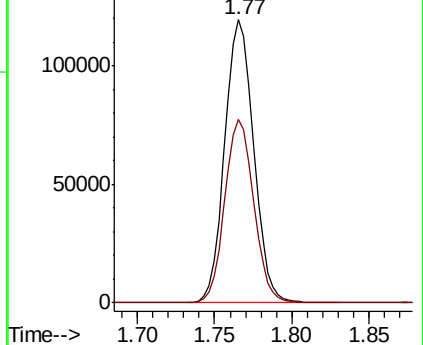
101 100

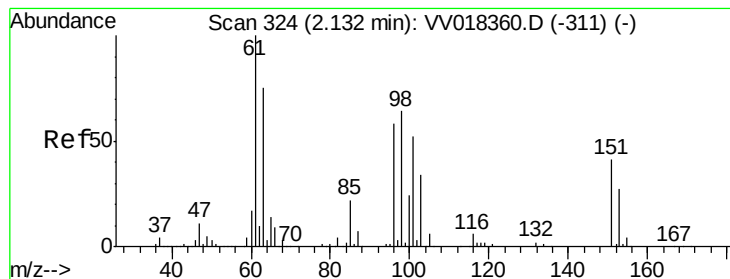
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018360.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018360.D (-199) (-)





#10

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

Concen: 49.497 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018383.D

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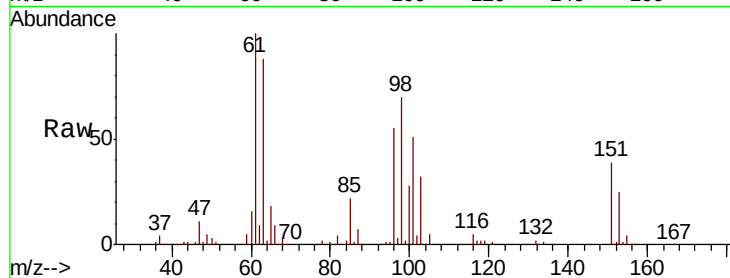
Tot Ion:101 Resp: 93668

Ion Ratio Lower Upper

101 100

85 42.2 33.5 50.3

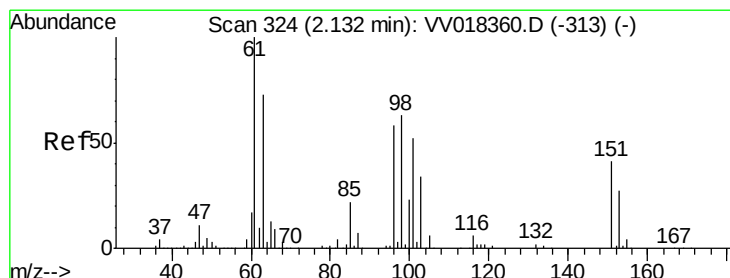
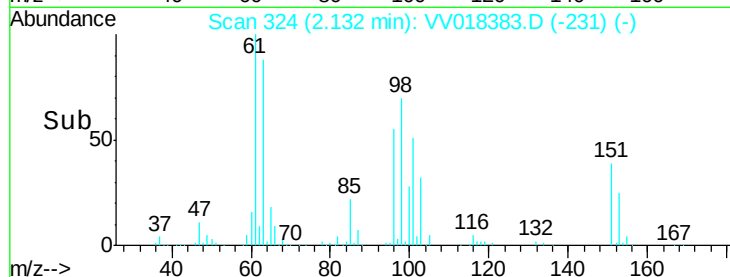
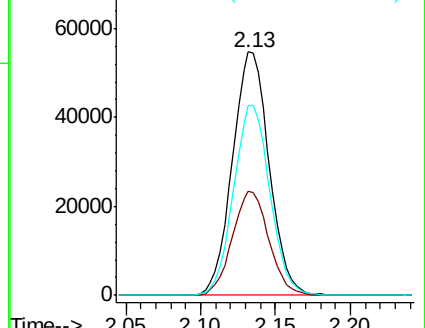
151 77.2 62.2 93.2



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: 49.004 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

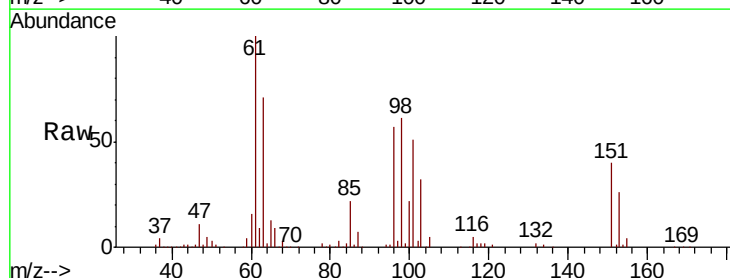
Tgt Ion: 96 Resp: 90233

Ion Ratio Lower Upper

96 100

61 176.1 122.9 228.3

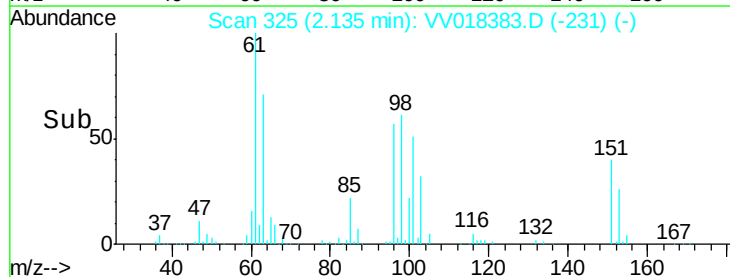
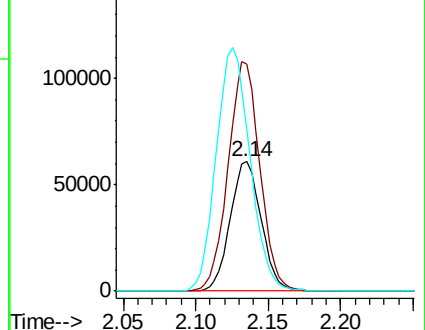
63 124.8 91.9 170.7

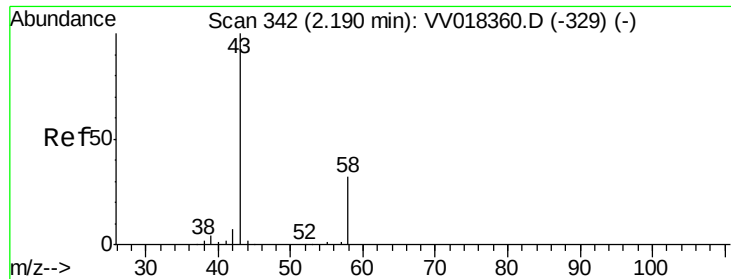


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 108.535 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

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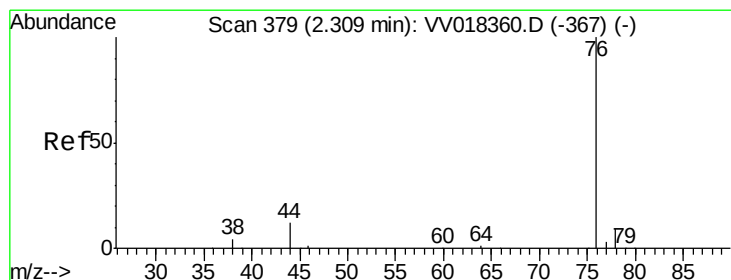
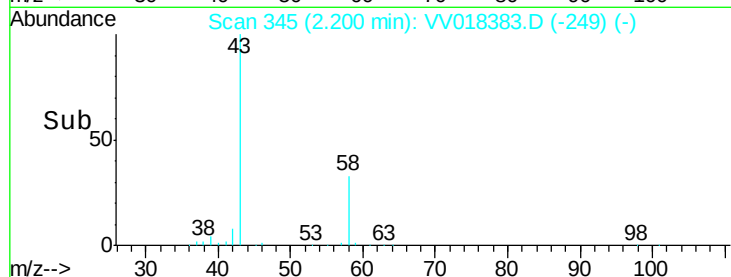
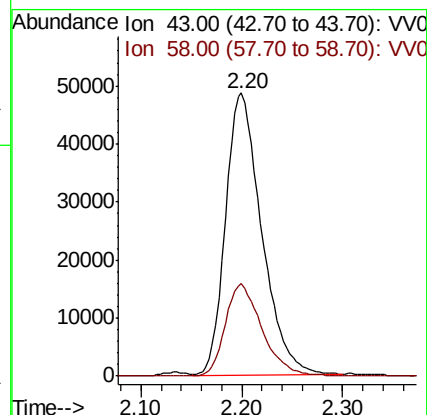
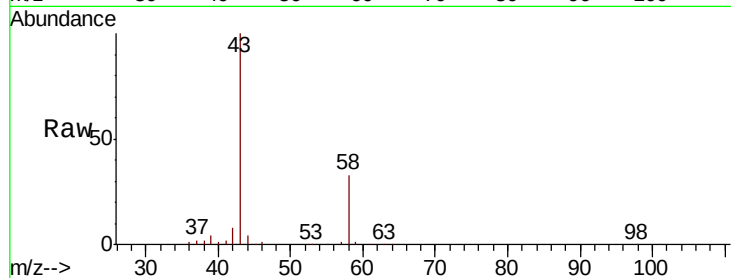
VSTD05082

Tot Ion: 43 Resp: 121577

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.4



#14

Carbon disulfide

Concen: 46.036 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018383.D

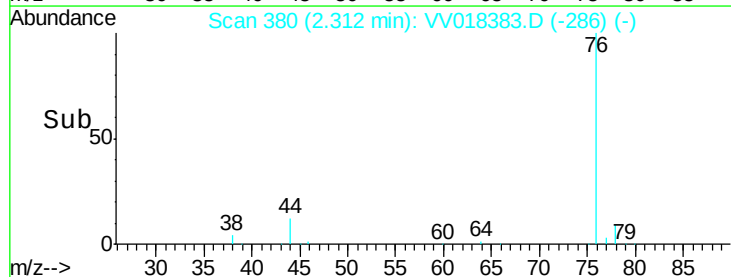
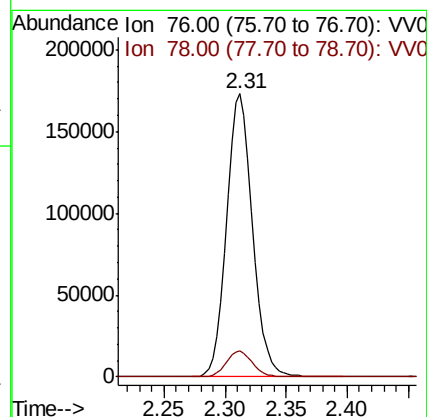
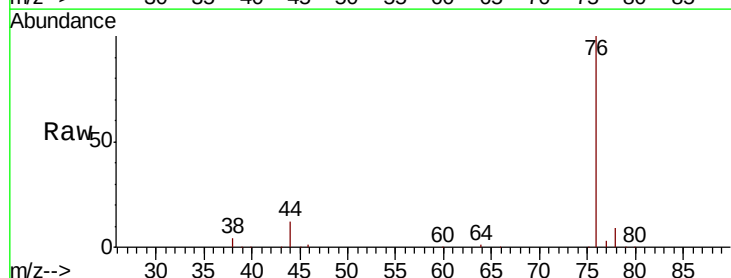
Acq: 21 Sep 2020 20:08

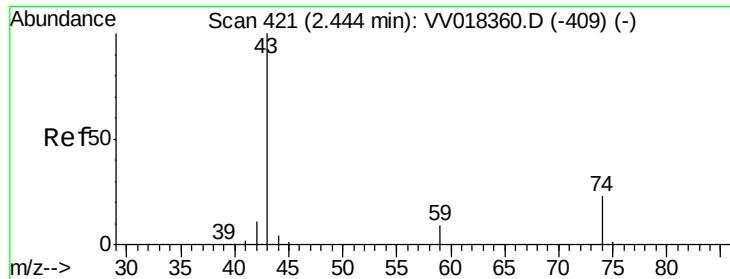
Tgt Ion: 76 Resp: 259389

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

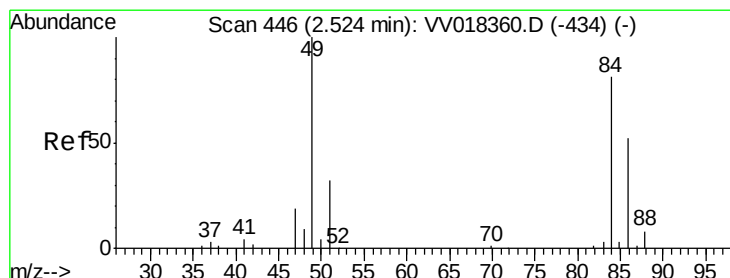
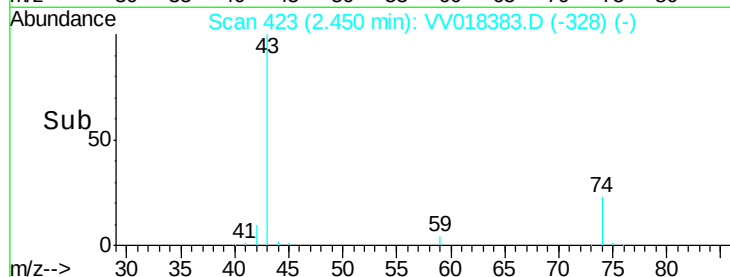
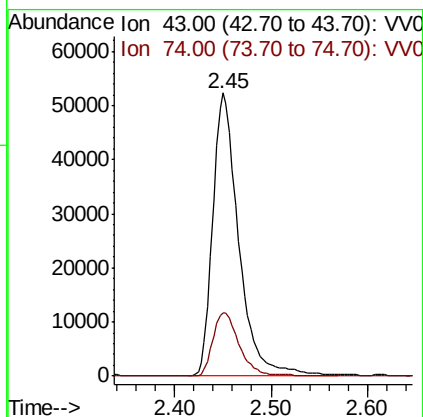
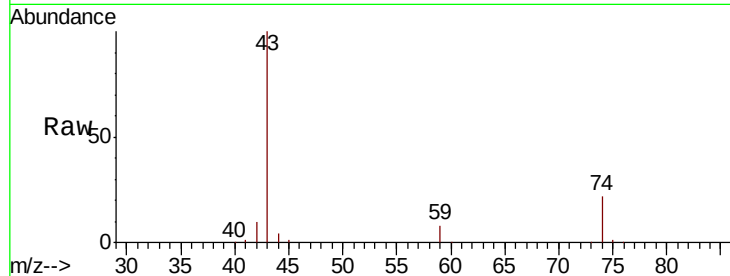




#15
Methvl Acetate
Concen: 48.160 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

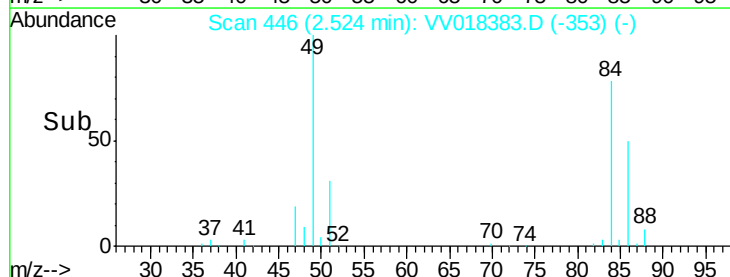
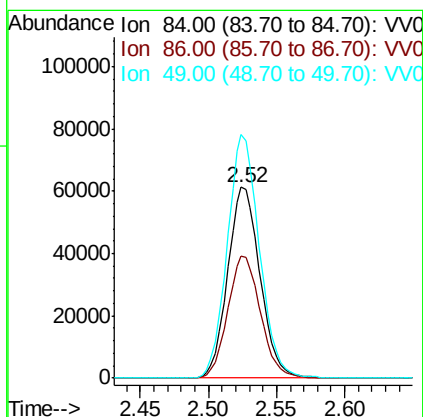
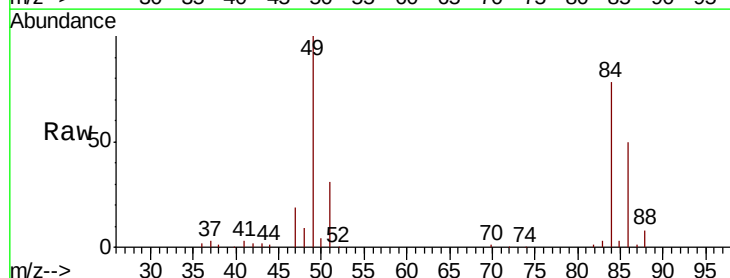
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

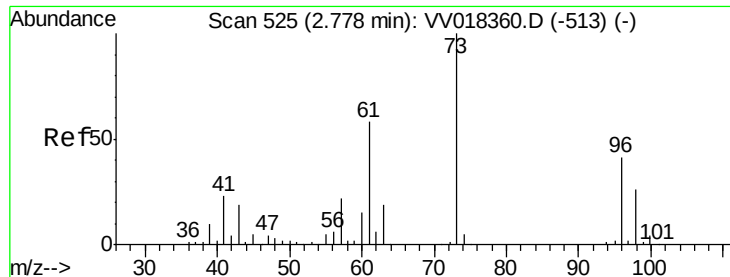
Tot Ion: 43 Resp: 96950
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 49.021 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Tgt Ion: 84 Resp: 101233
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.4
49 127.4 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 49.016 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

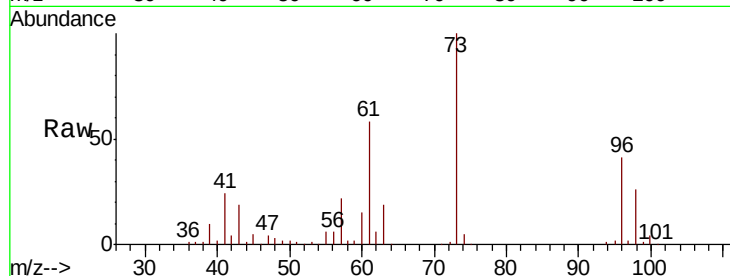
Tot Ion: 96 Resp: 93016

Ion Ratio Lower Upper

96 100

61 141.5 100.7 186.9

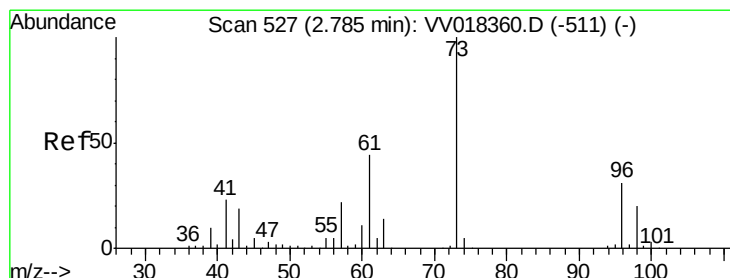
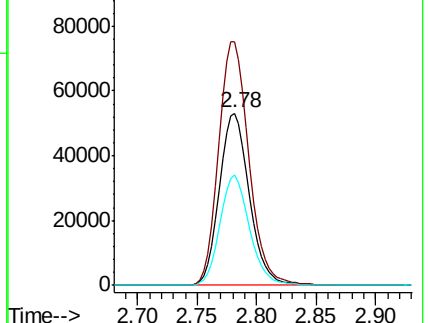
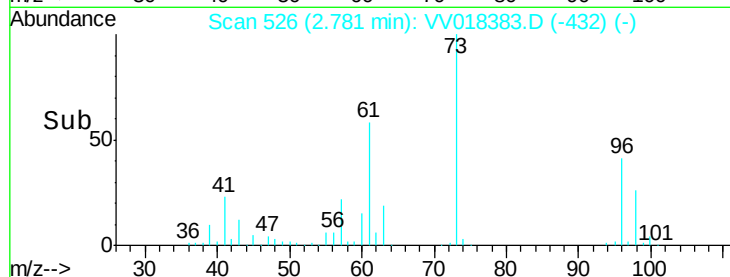
98 64.0 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018383.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018383.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018383.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 48.610 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

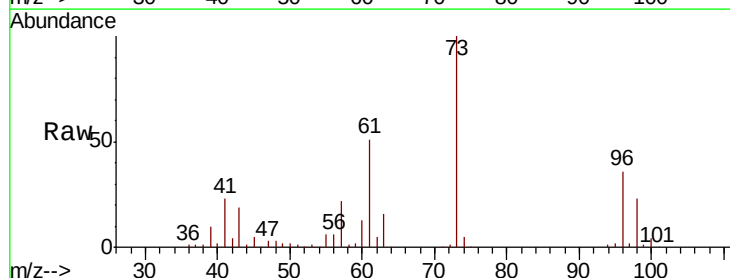
Tgt Ion: 73 Resp: 285348

Ion Ratio Lower Upper

73 100

43 19.1 15.4 23.0

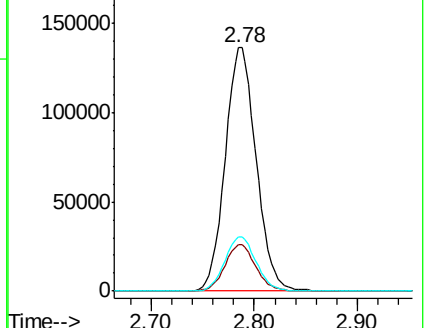
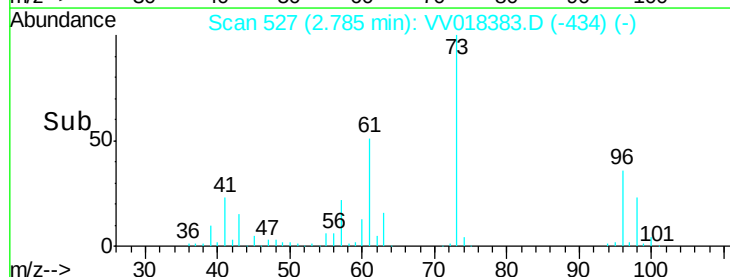
57 22.5 18.0 27.0

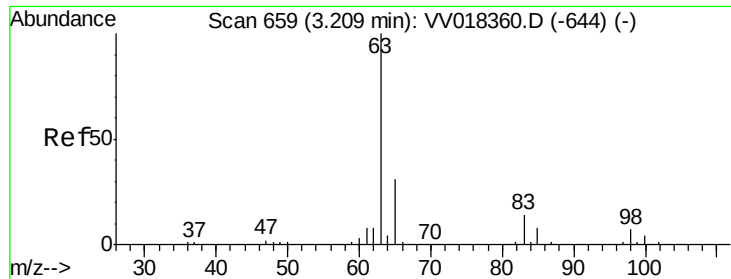


Abundance Ion 73.00 (72.70 to 73.70): VV018383.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018383.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018383.D (-434) (-)

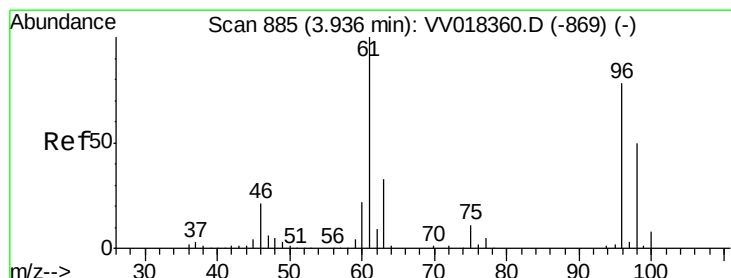
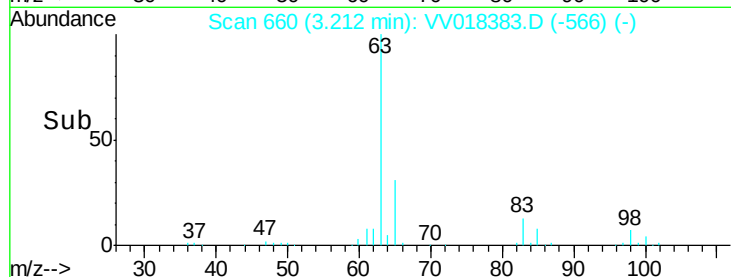
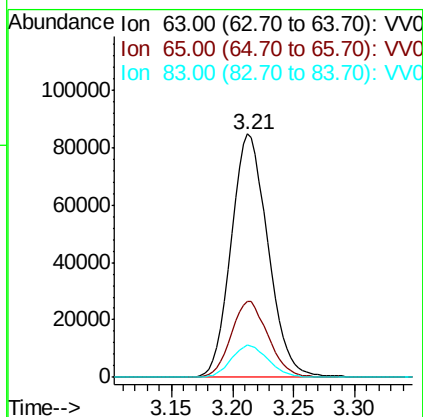
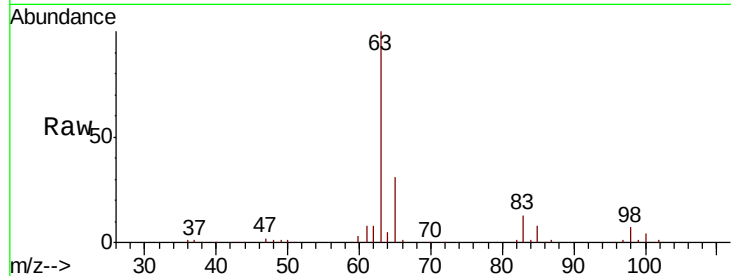




#19
 1,1-Dichloroethane
 Concen: 49.477 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

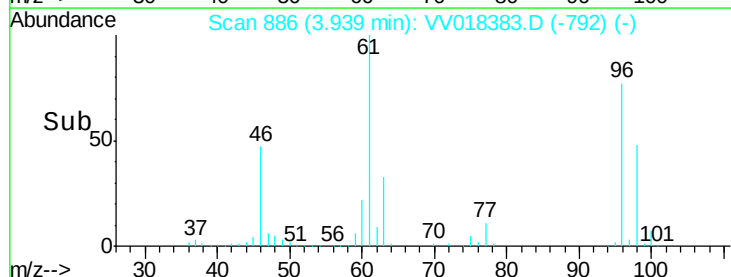
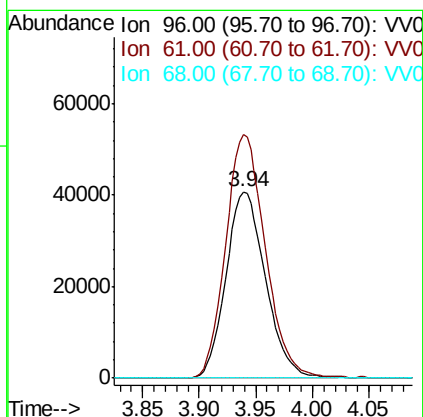
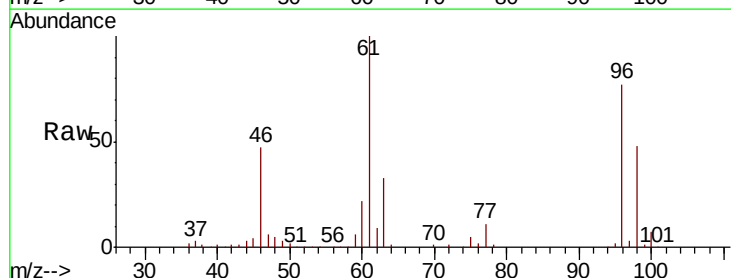
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05082

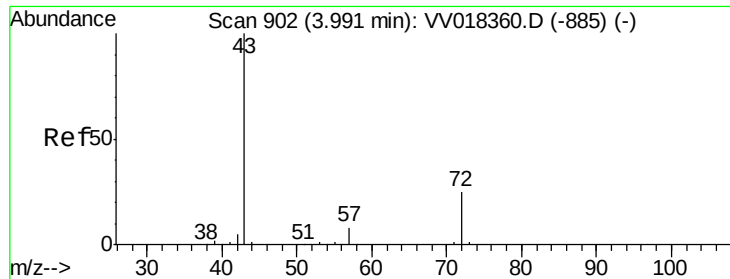
Tot Ion: 63 Resp: 177520
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.7
 83 13.1 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.951 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

Tgt Ion: 96 Resp: 99300
 Ion Ratio Lower Upper
 96 100
 61 130.4 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 110.444 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

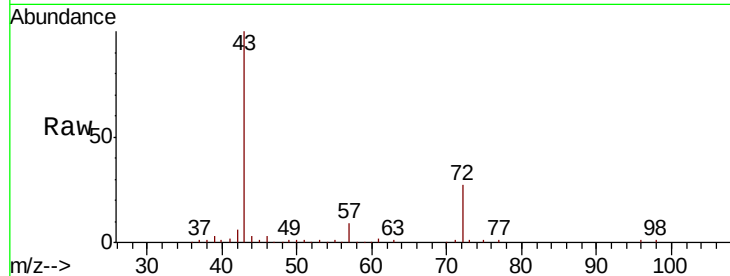
VSTD05082

Tot Ion: 43 Resp: 146497

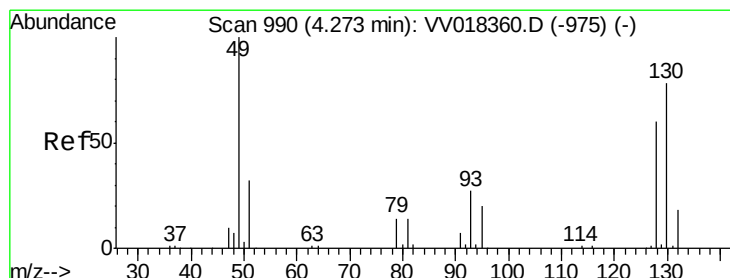
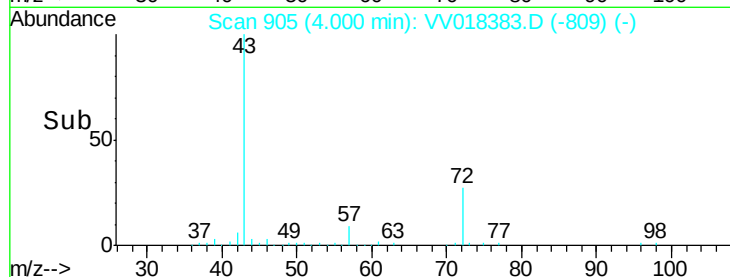
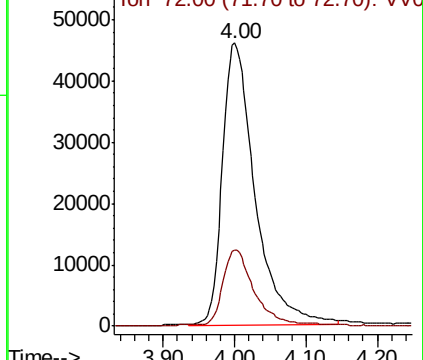
Ion Ratio Lower Upper

43 100

72 24.8 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018383.D (-809) (-)



#23

Bromochloromethane

Concen: 49.099 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Tgt Ion: 128 Resp: 52112

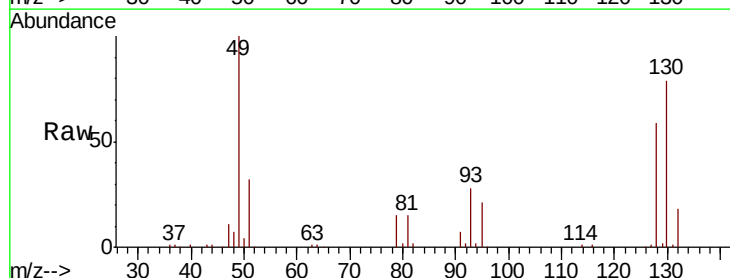
Ion Ratio Lower Upper

128 100

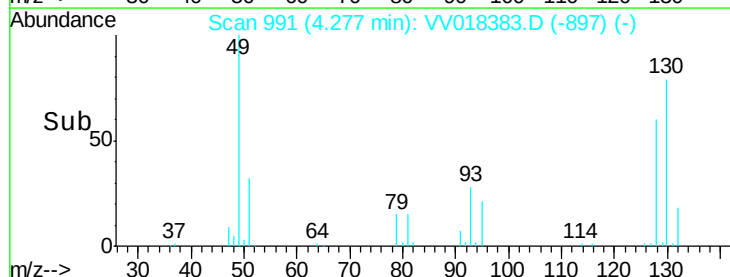
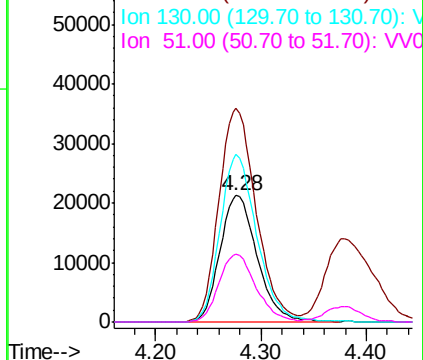
49 168.6 114.4 212.6

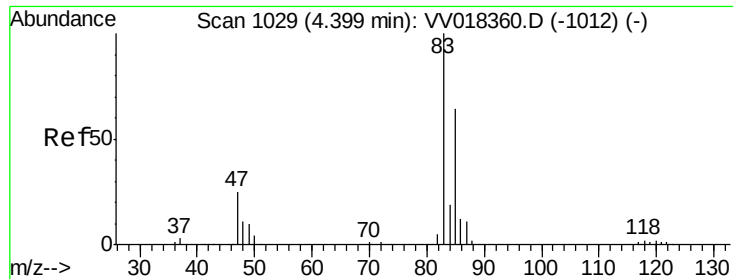
130 132.5 87.9 163.3

51 53.6 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018383.D (-897) (-)

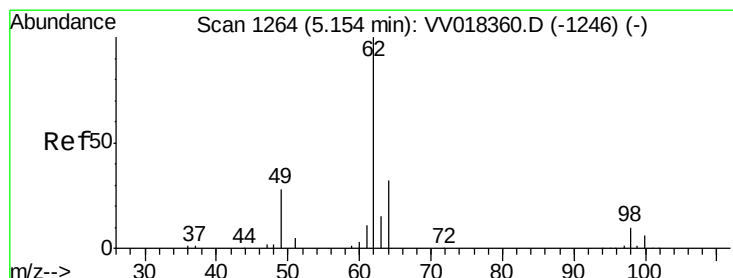
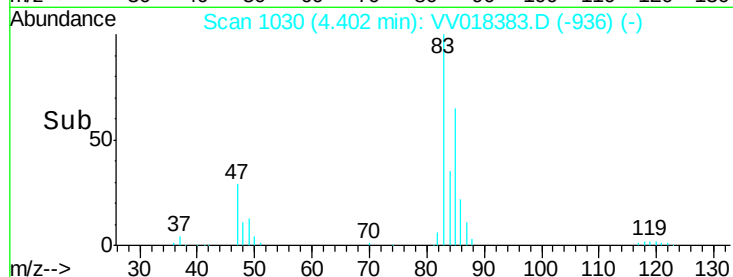
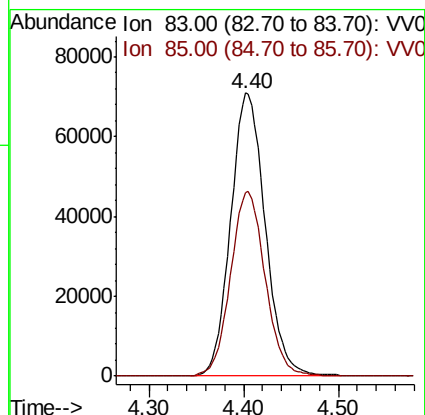
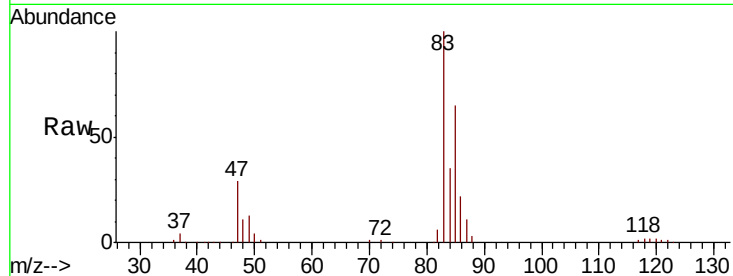




#25
Chloroform
Concen: 49.331 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

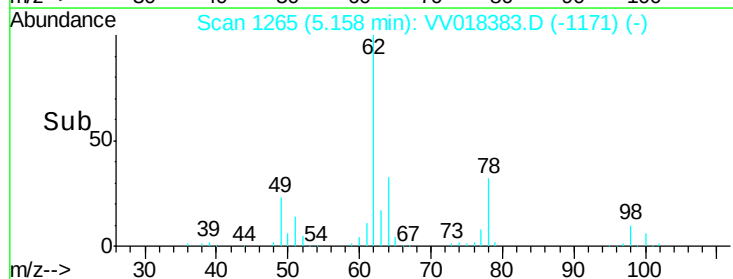
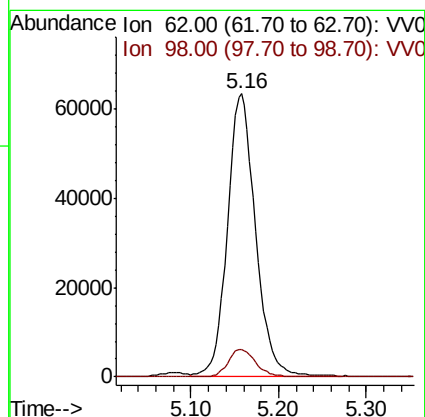
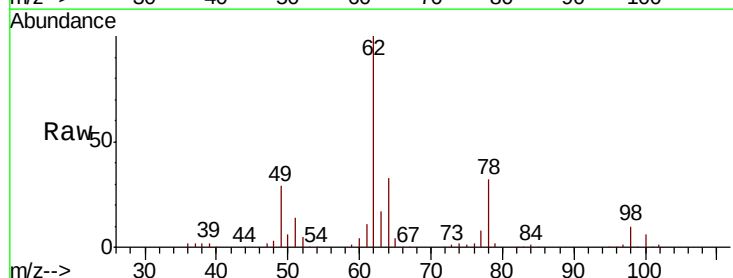
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

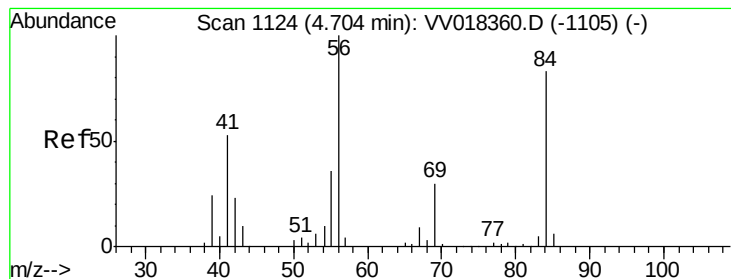
Tot Ion: 83 Resp: 179917
Ion Ratio Lower Upper
83 100
85 65.0 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.934 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Tgt Ion: 62 Resp: 140986
Ion Ratio Lower Upper
62 100
98 9.6 7.6 11.4





#29

Cyclohexane

Concen: 49.177 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

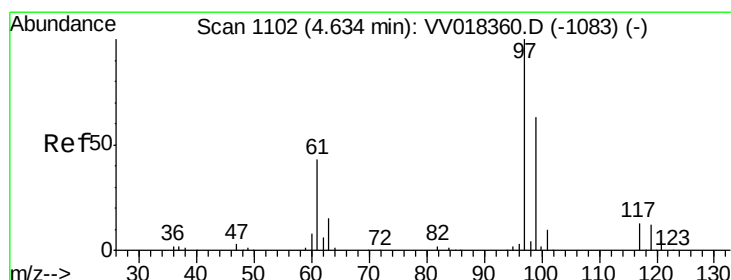
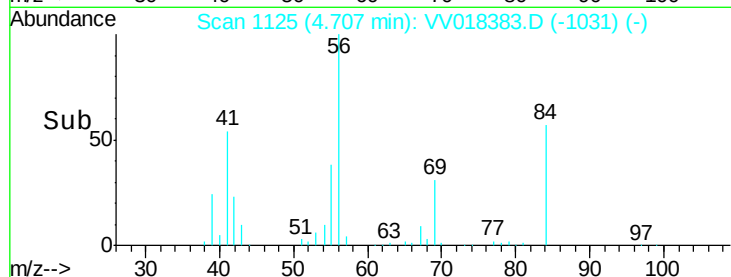
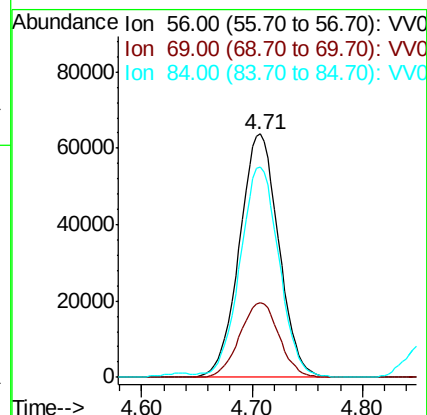
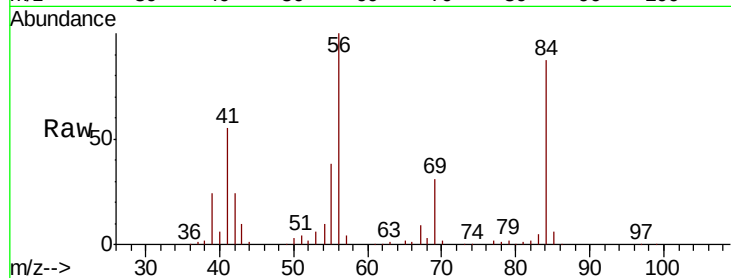
Tot Ion: 56 Resp: 157069

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.2

84 85.4 68.3 102.5



#30

1,1,1-Trichloroethane

Concen: 48.979 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

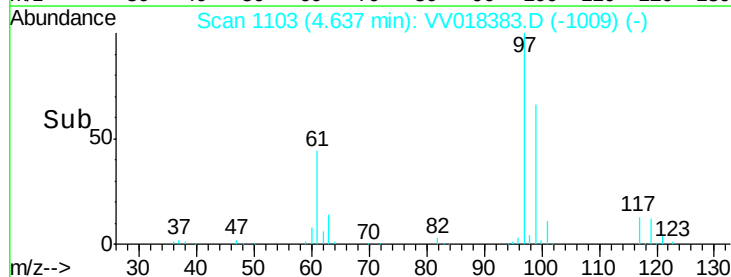
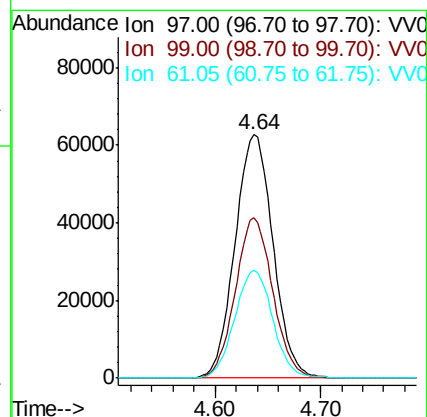
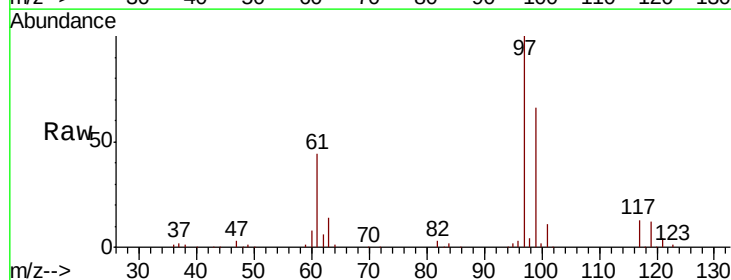
Tgt Ion: 97 Resp: 157221

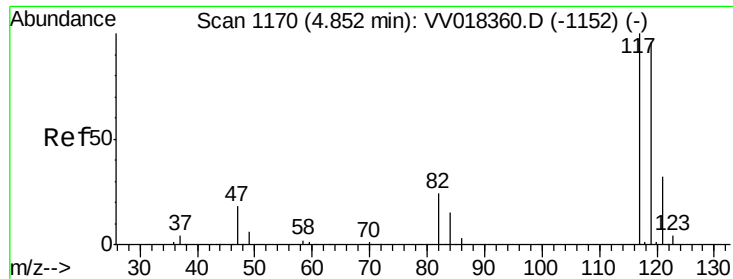
Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

61 44.5 34.9 52.3

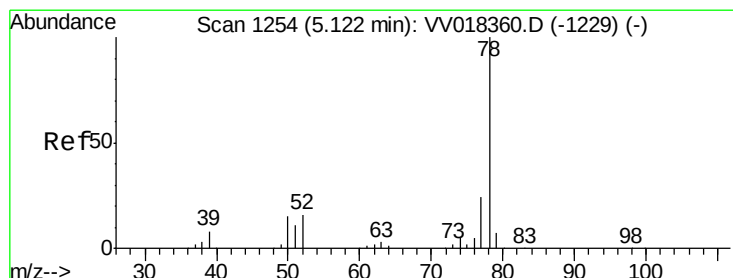
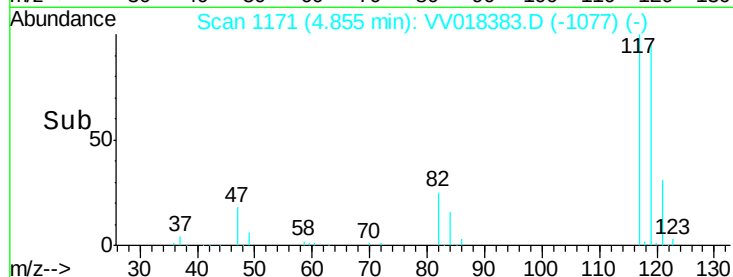
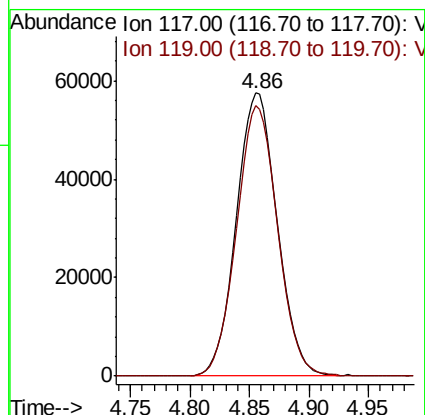
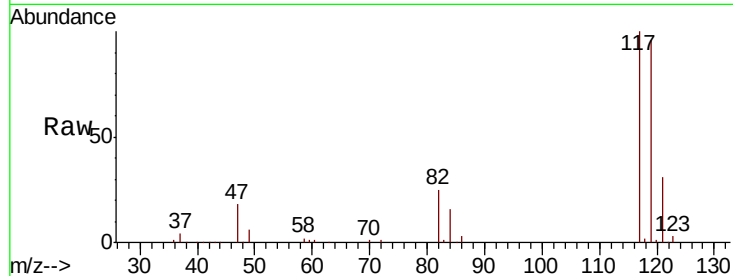




#31
Carbon tetrachloride
Concen: 48.545 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

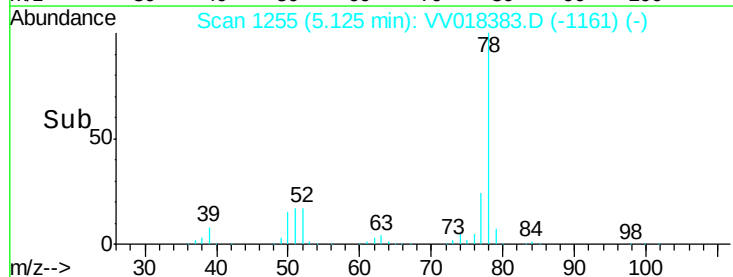
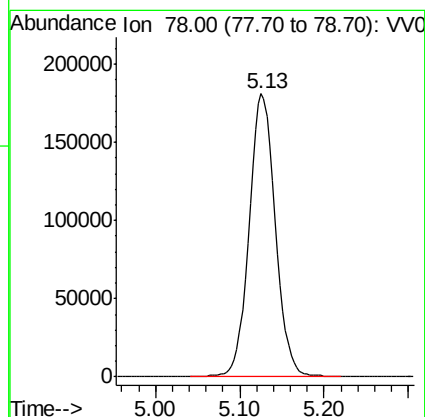
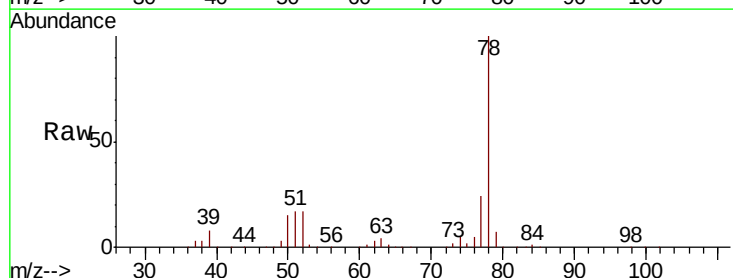
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

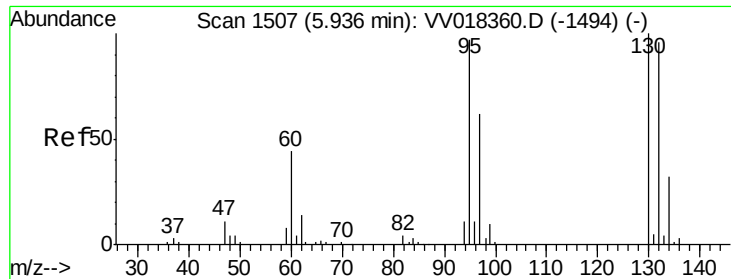
Tot Ion:117 Resp: 137021
Ion Ratio Lower Upper
117 100
119 95.9 75.7 113.5



#33
Benzene
Concen: 49.470 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Tgt Ion: 78 Resp: 391214





#34

Trichloroethene

Concen: 48.935 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 95 Resp: 105420

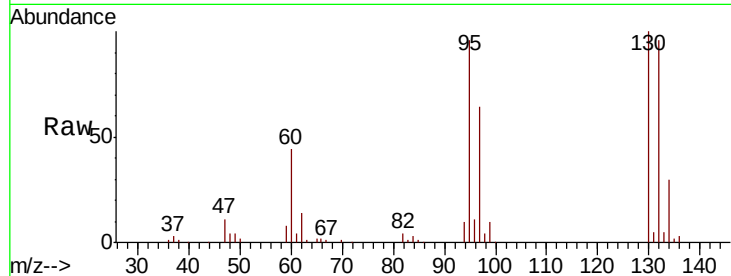
Ion Ratio Lower Upper

95 100

97 66.0 46.3 85.9

132 99.9 68.1 126.5

130 103.7 71.5 132.9

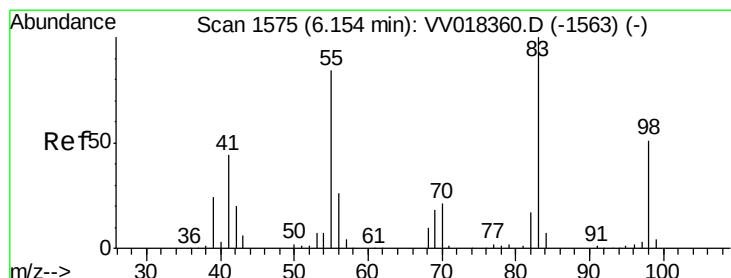
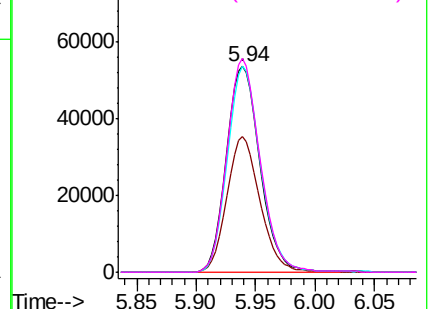
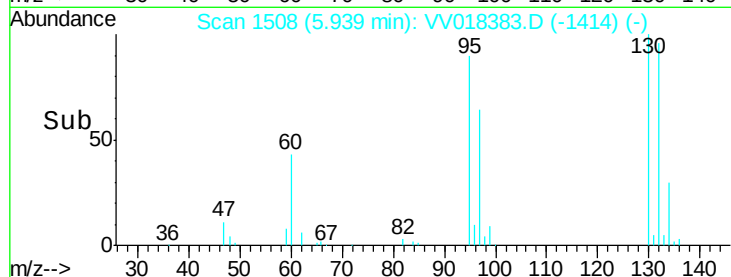


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.017 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

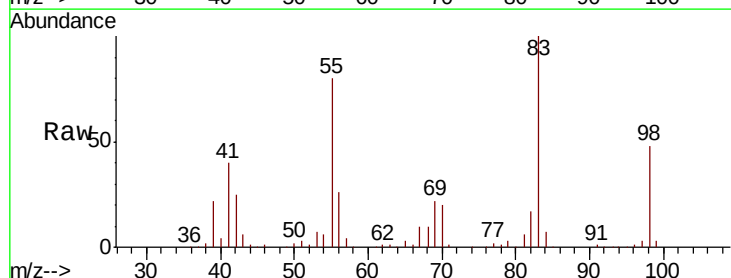
Tgt Ion: 83 Resp: 158990

Ion Ratio Lower Upper

83 100

55 79.7 63.4 95.2

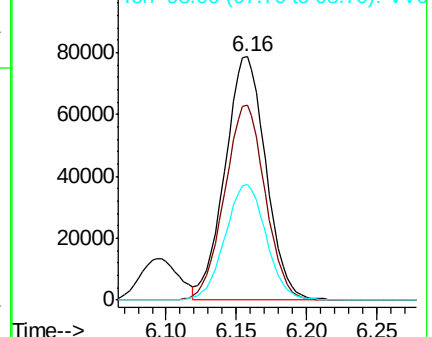
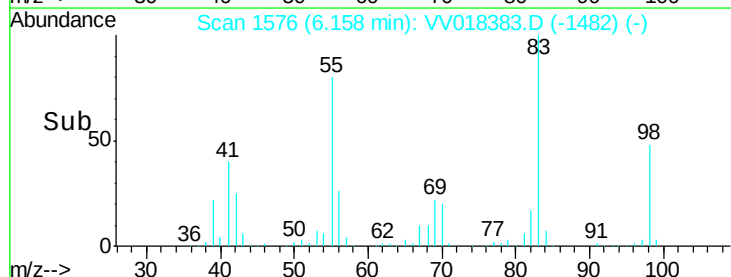
98 47.9 38.8 58.2

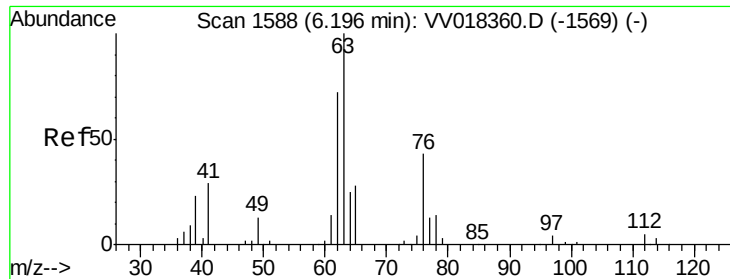


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

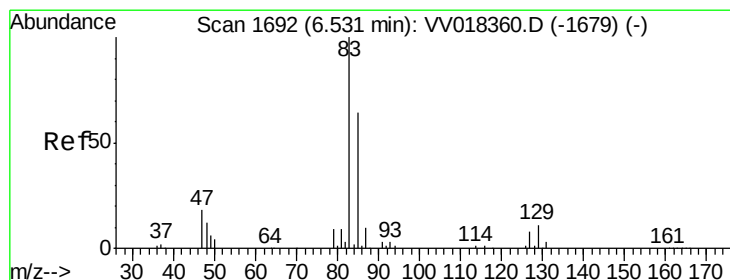
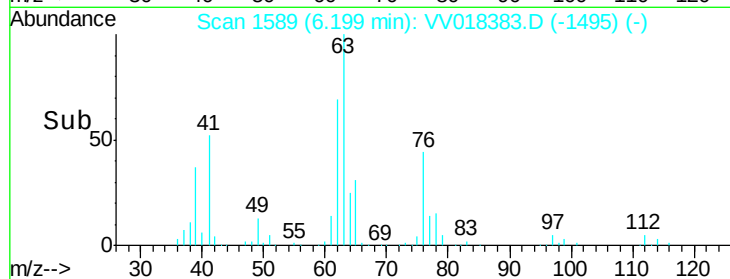
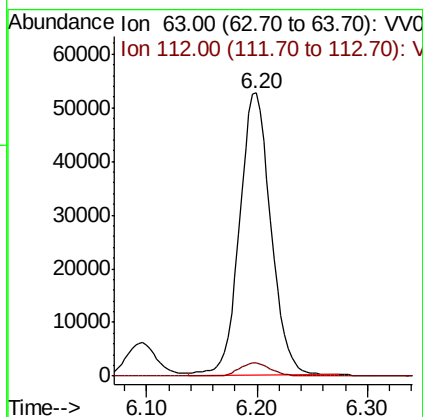
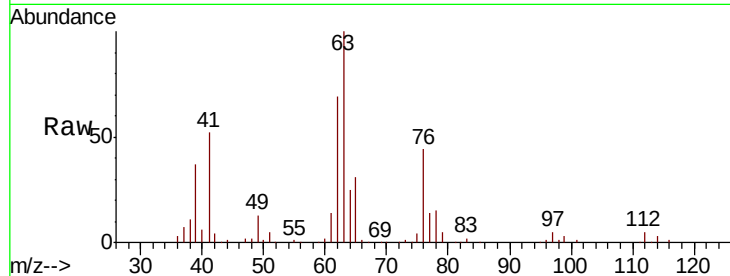




#37
 1,2-Dichloropropane
 Concen: 49.468 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

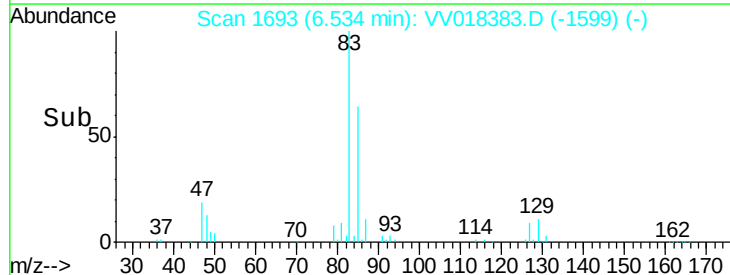
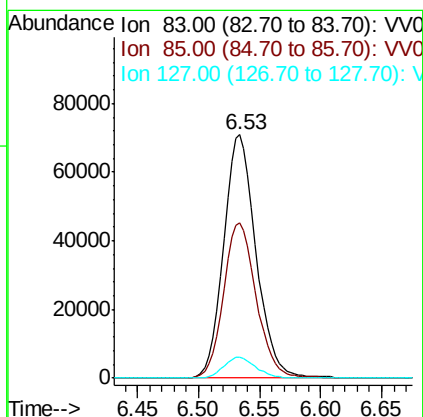
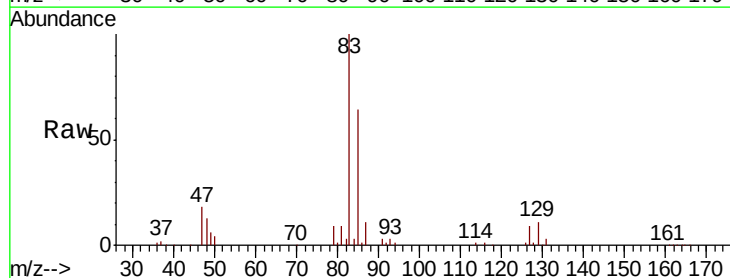
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

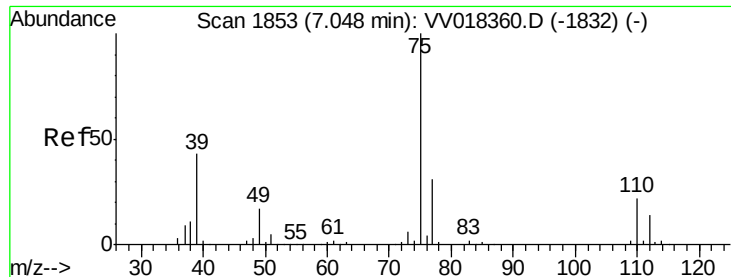
Tot Ion: 63 Resp: 103663
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#38
 Bromodichloromethane
 Concen: 48.326 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

Tgt Ion: 83 Resp: 131788
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 82.9
 127 8.6 6.7 10.1

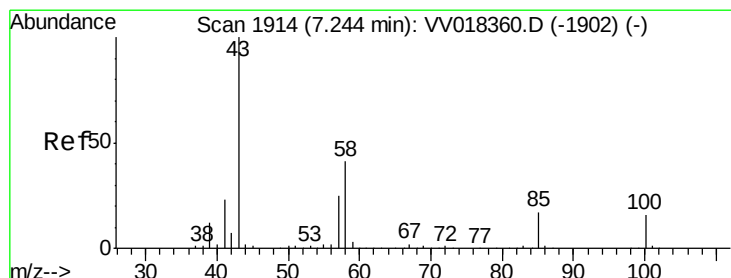
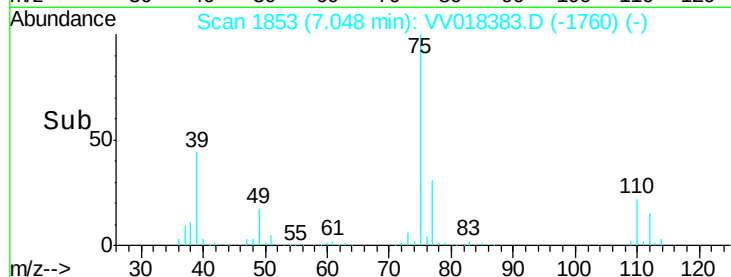
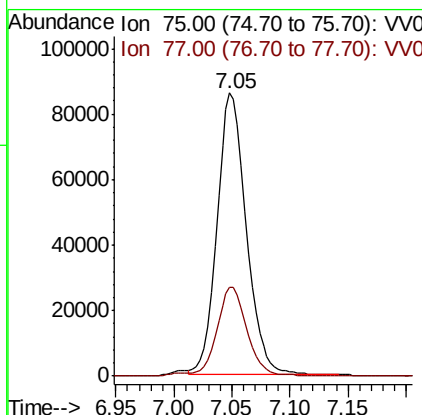
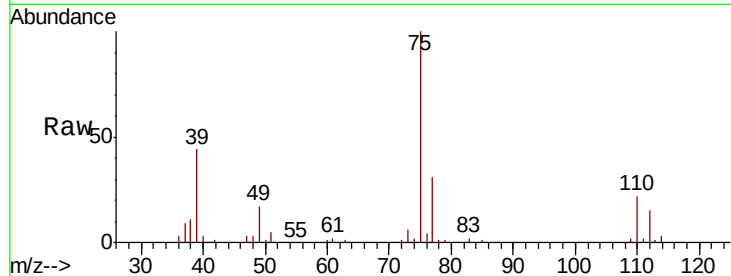




#39
 cis-1,3-Dichloropropene
 Concen: 47.067 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

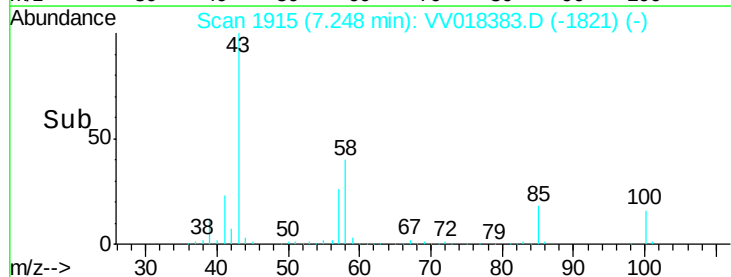
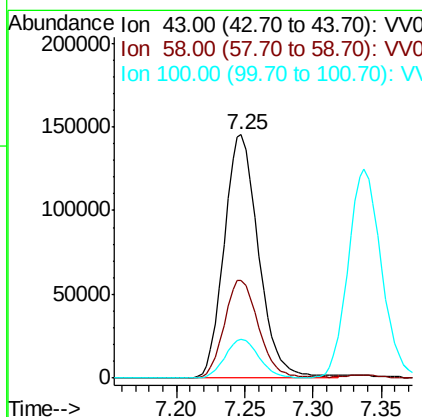
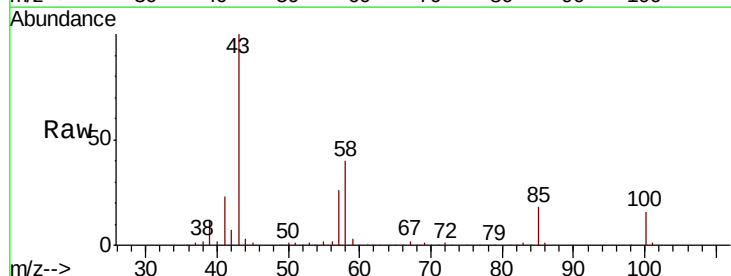
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

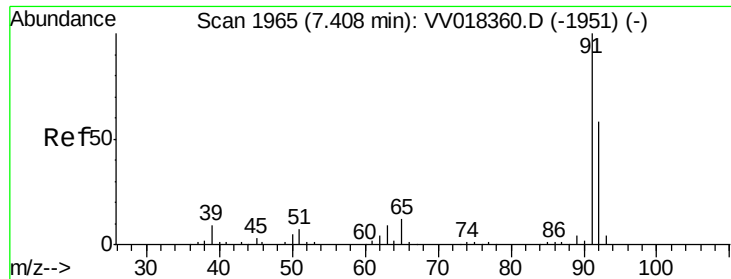
Tot Ion: 75 Resp: 151969
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 100.258 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

Tgt Ion: 43 Resp: 254882
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.4 48.6
 100 15.8 12.7 19.1





#42

Toluene

Concen: 50.407 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

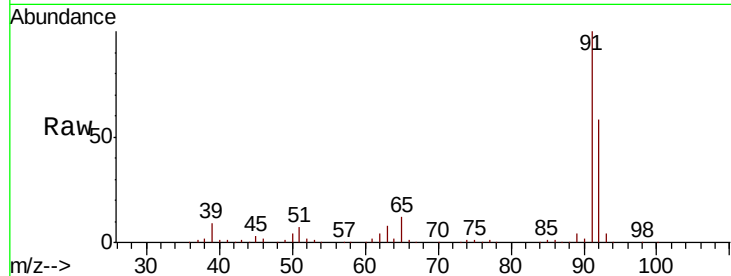
VSTD05082

Tot Ion: 91 Resp: 421856

Ion Ratio Lower Upper

91 100

92 58.1 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

250000

200000

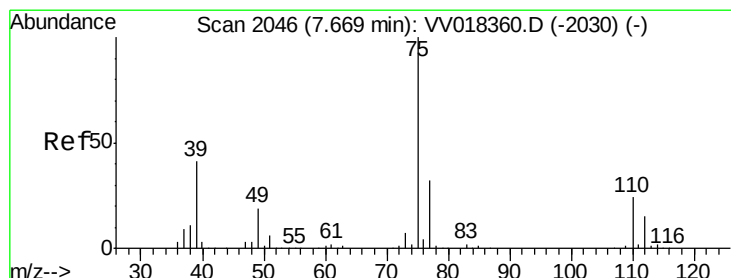
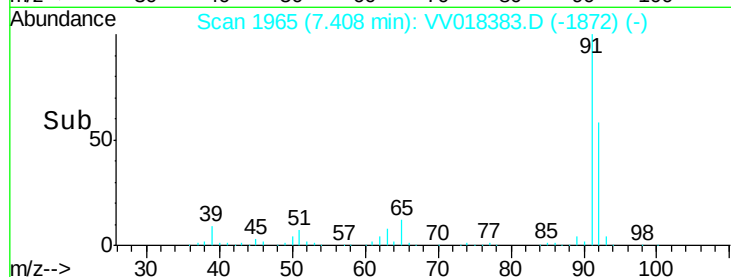
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 49.239 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018383.D

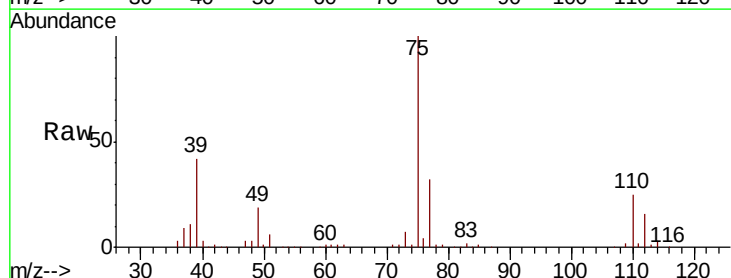
Acq: 21 Sep 2020 20:08

Tgt Ion: 75 Resp: 154793

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

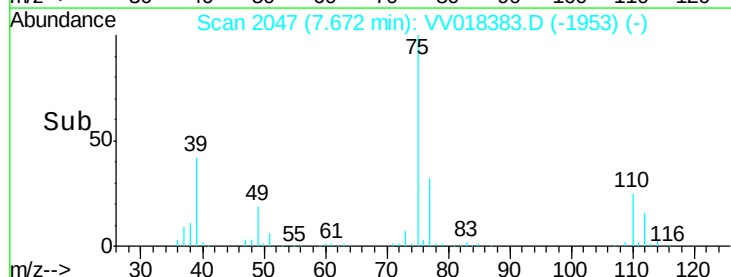
60000

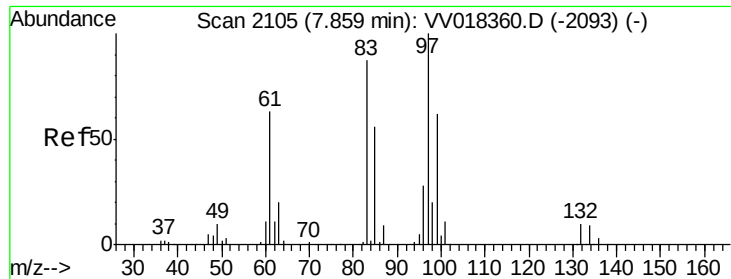
40000

20000

0

Time--> 7.60 7.70 7.80

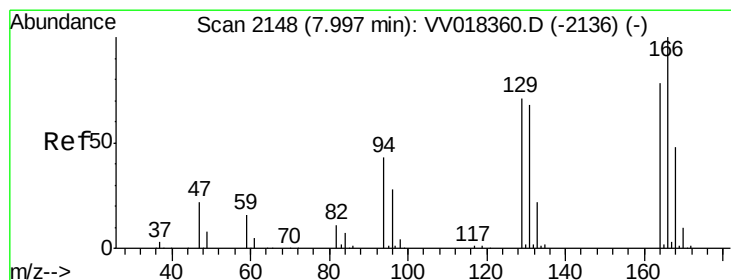
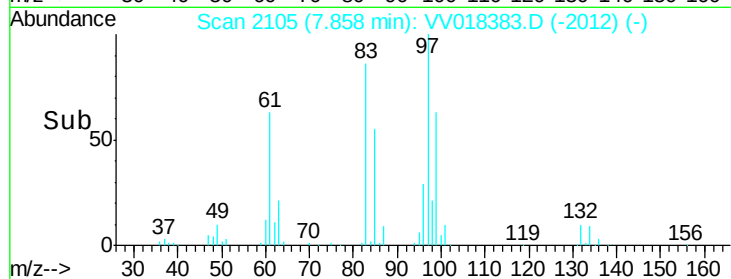
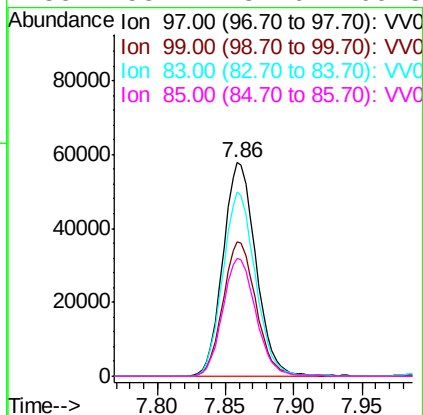
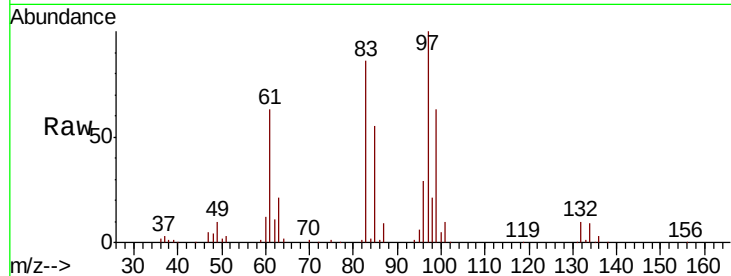




#45
 1,1,2-Trichloroethane
 Concen: 49.962 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

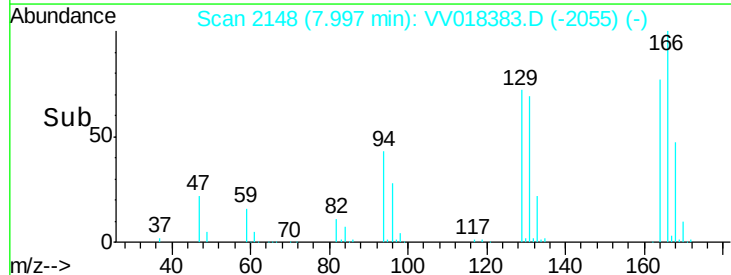
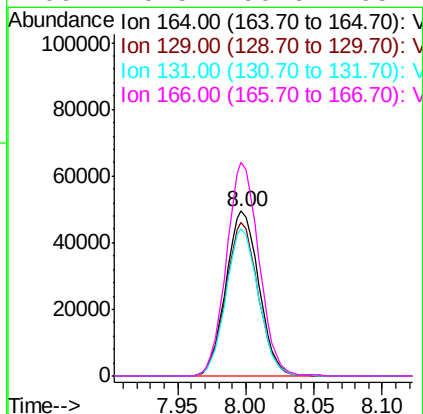
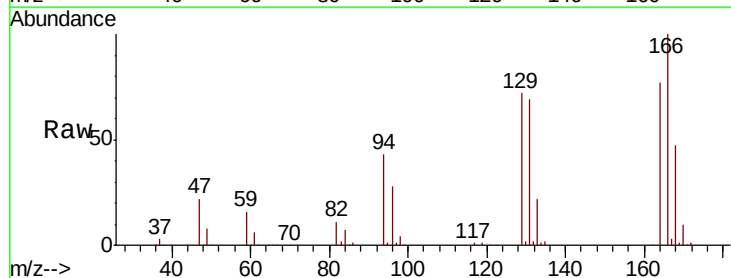
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

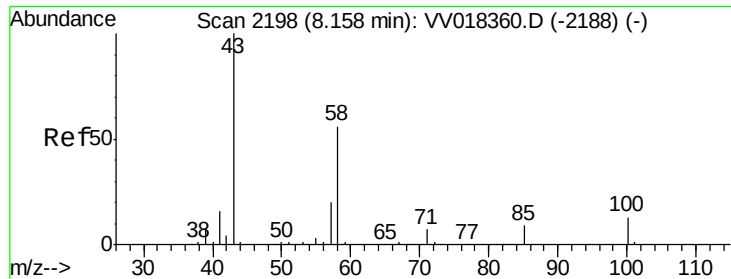
Tot Ion:	97	Resp:	97042
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.7	81.1
83	86.0	59.9	111.3
85	55.4	37.6	69.8



#46
 Tetrachloroethene
 Concen: 49.505 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

Tgt Ion:	164	Resp:	83620
Ion	Ratio	Lower	Upper
164	100		
129	93.2	64.5	119.7
131	89.0	61.8	114.8
166	129.5	90.6	168.2

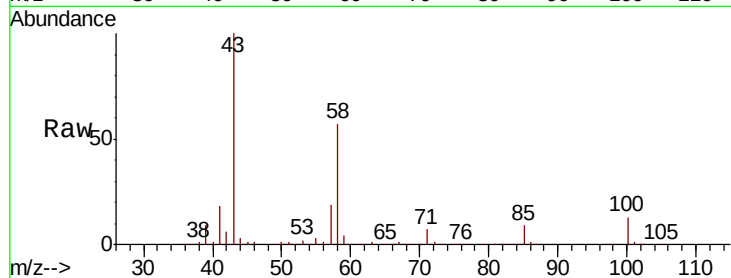




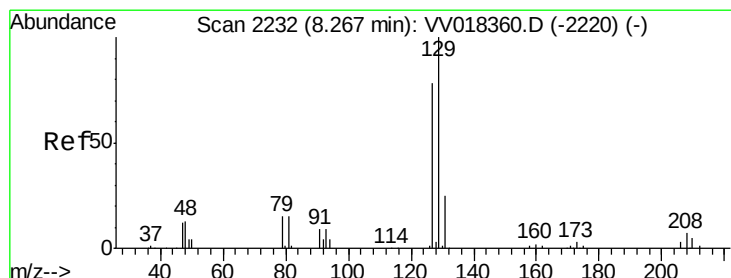
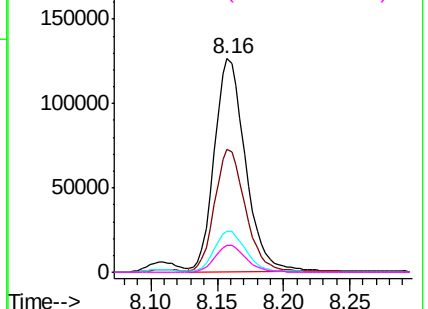
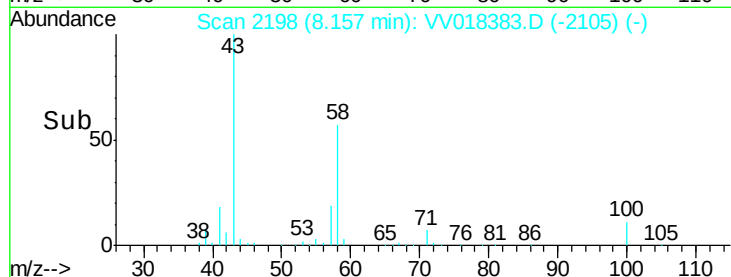
#48
2-Hexanone
Concen: 102.732 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

Tot Ion:	43	Resp:	205903
Ion	Ratio	Lower	Upper
43	100		
58	57.3	44.8	67.2
57	19.5	15.8	23.6
100	12.9	10.2	15.4

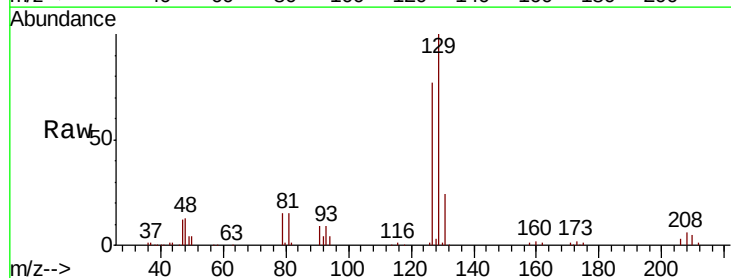


Abundance Ion 43.00 (42.70 to 43.70): VV018383.D (-2105) (-)
Ion 58.00 (57.70 to 58.70): VV018383.D (-2105) (-)
Ion 57.00 (56.70 to 57.70): VV018383.D (-2105) (-)
Ion 100.00 (99.70 to 100.70): VV018383.D (-2105) (-)

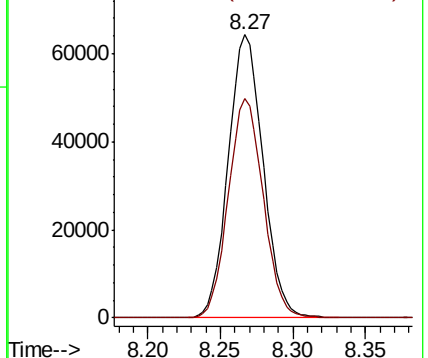
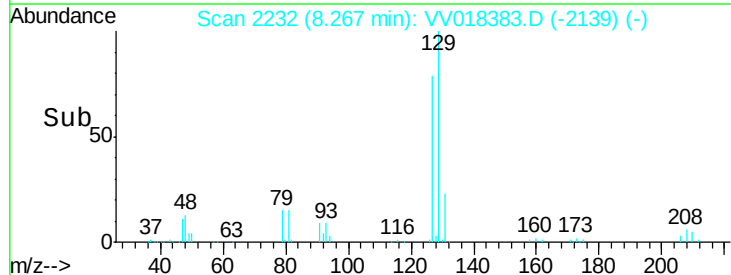


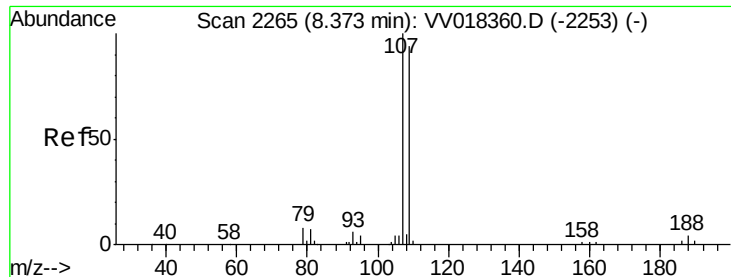
#49
Dibromochloromethane
Concen: 49.214 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Tgt Ion:	129	Resp:	107298
Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018383.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV018383.D (-2139) (-)

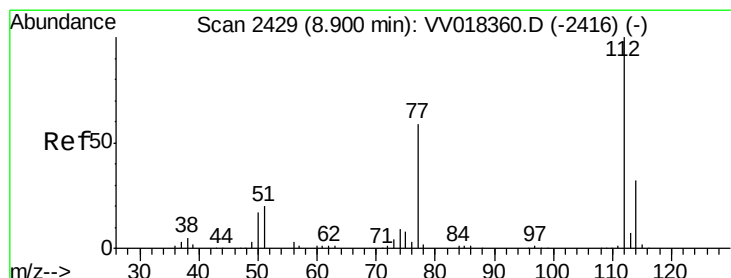
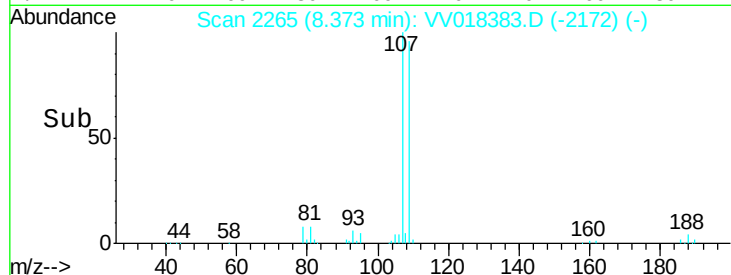
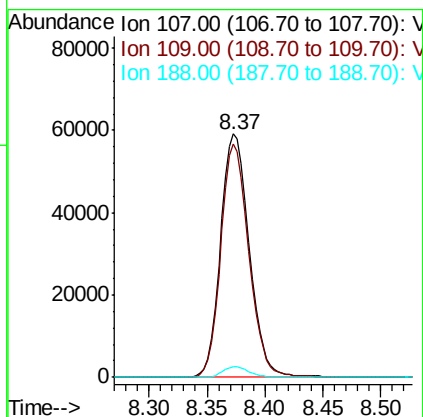
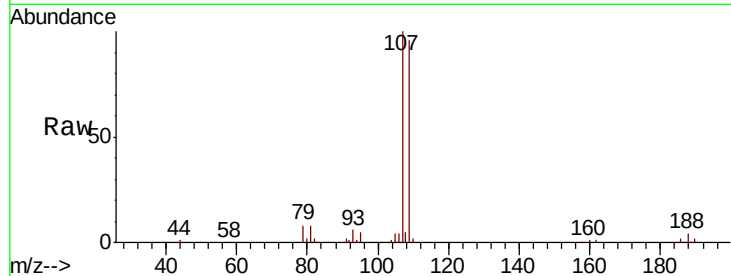




#50
1,2-Dibromoethane
Concen: 49.593 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

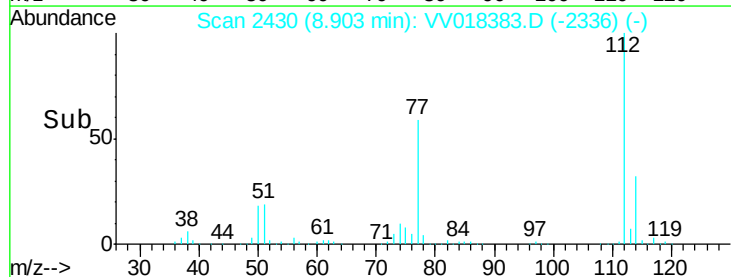
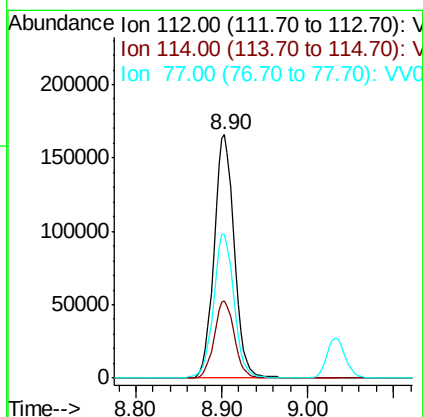
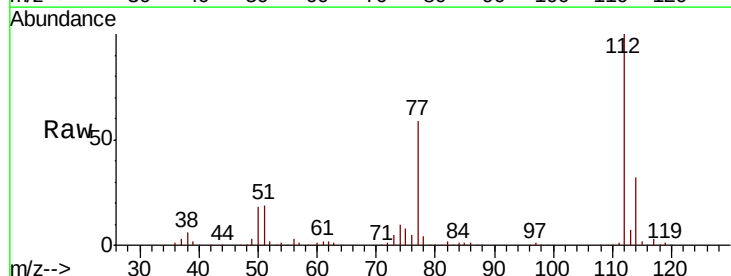
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

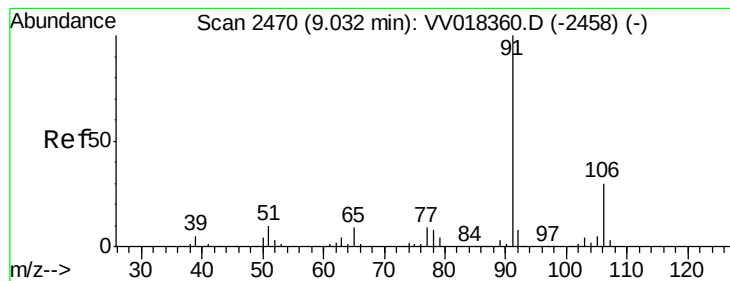
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	66.1	122.8
188	4.4	3.2	4.8



#51
Chlorobenzene
Concen: 50.017 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	59.1	48.0	72.0





#52

Ethylbenzene

Concen: 50.385 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

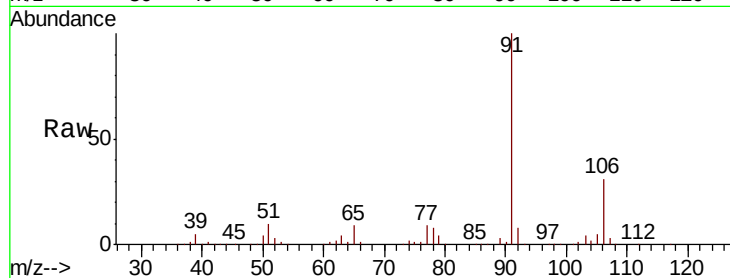
VSTD05082

Tot Ion: 91 Resp: 460359

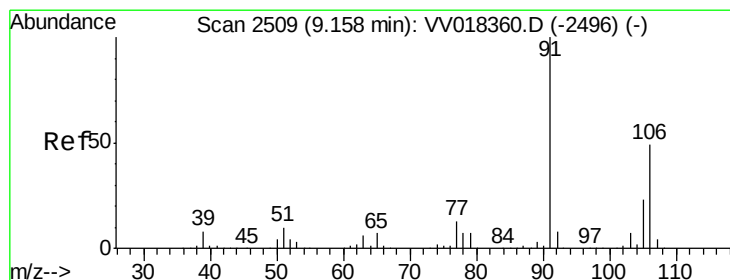
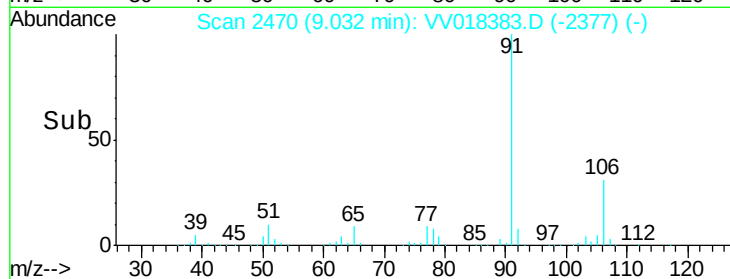
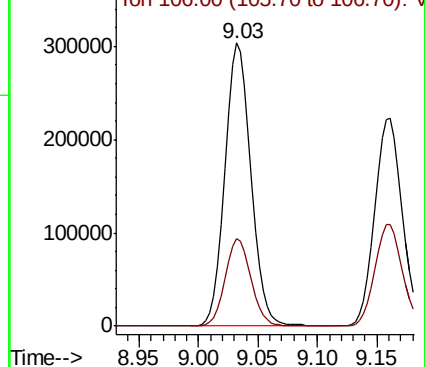
Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018383.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.283 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018383.D

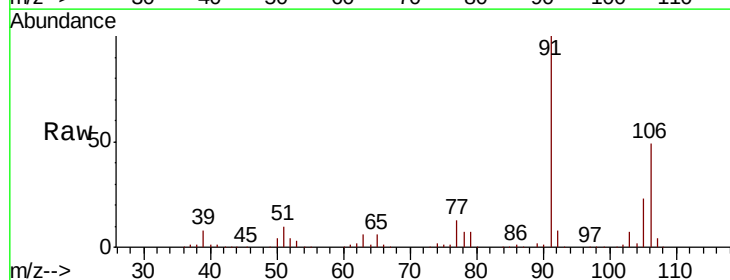
Acq: 21 Sep 2020 20:08

Tgt Ion: 106 Resp: 174893

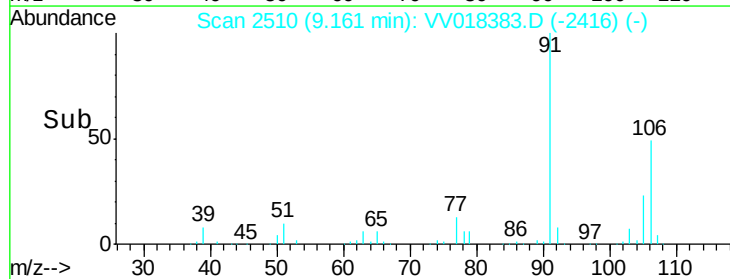
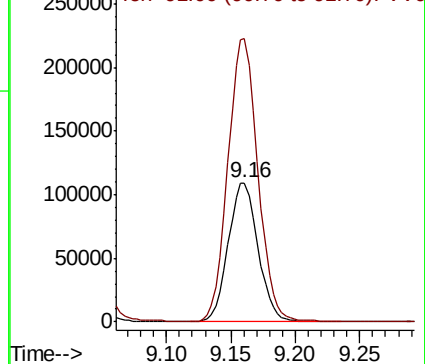
Ion Ratio Lower Upper

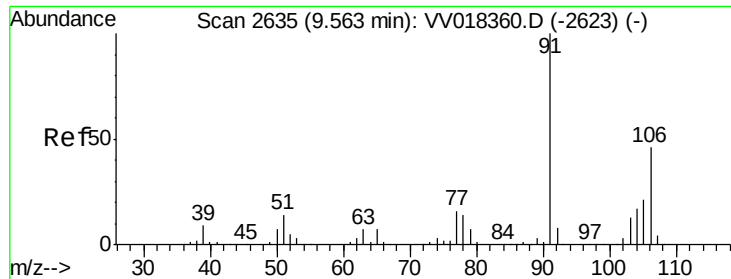
106 100

91 203.2 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018383.D (-2416) (-)

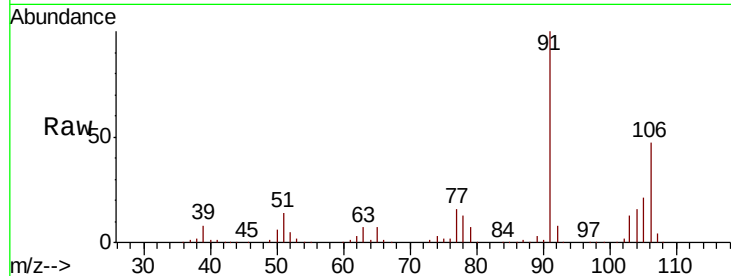




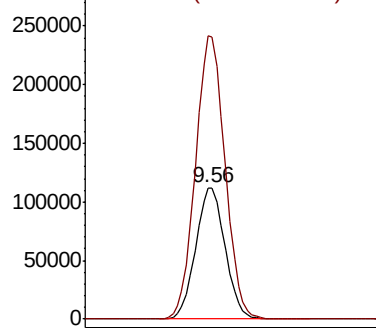
#54
o-xylene
Concen: 51.172 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

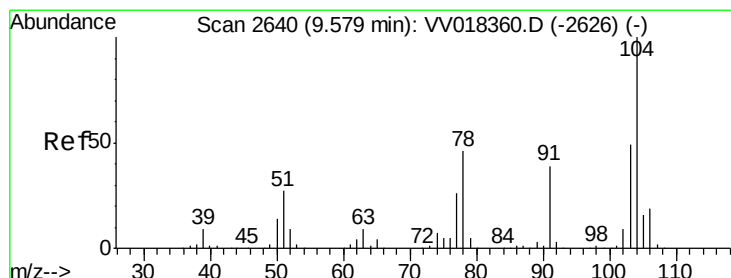
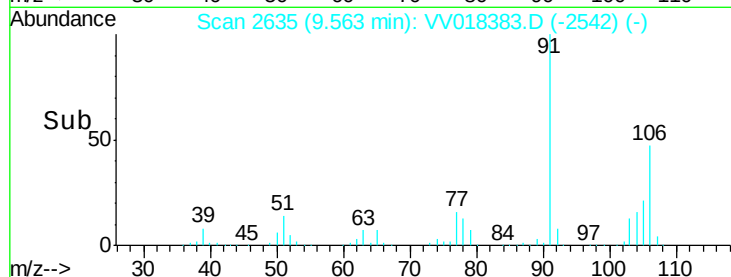
Tot Ion:106 Resp: 168126
Ion Ratio Lower Upper
106 100
91 215.0 152.2 282.6



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

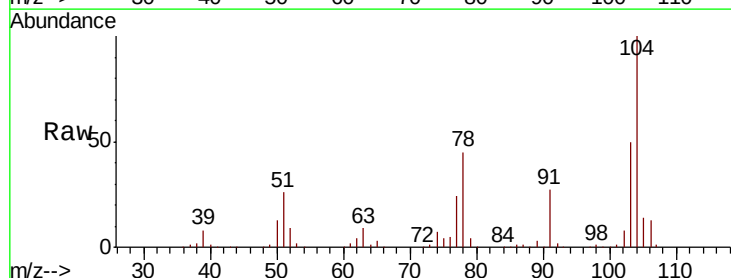


Time-->

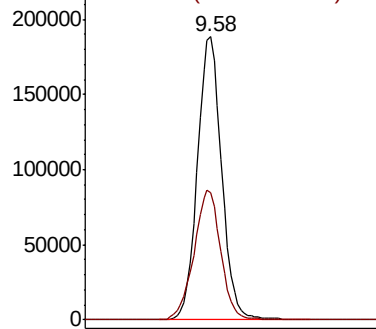


#55
Styrene
Concen: 52.468 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018383.D
Acq: 21 Sep 2020 20:08

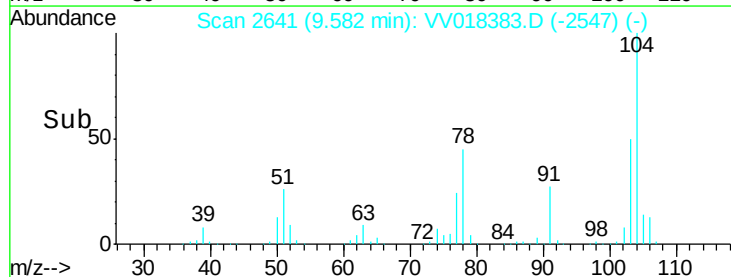
Tgt Ion:104 Resp: 299625
Ion Ratio Lower Upper
104 100
78 44.7 31.4 58.2

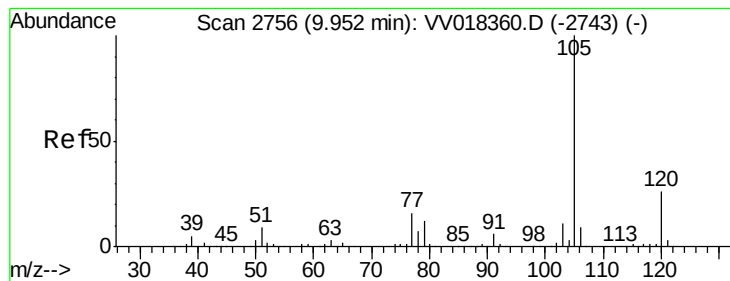


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 51.114 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

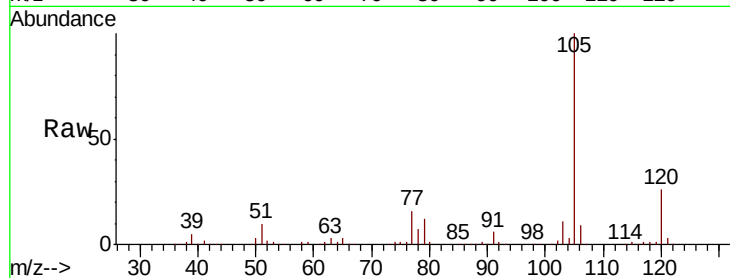
Tot Ion:105 Resp: 452600

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

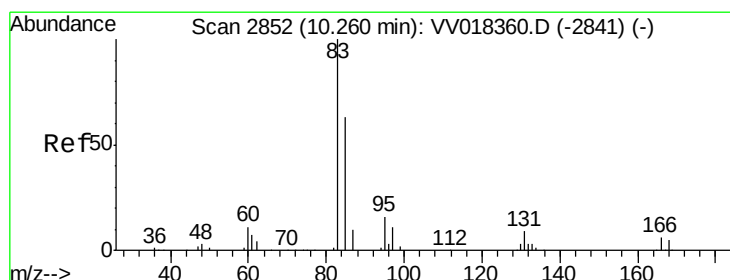
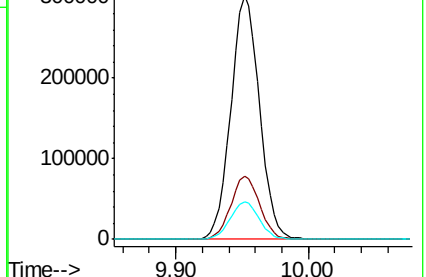
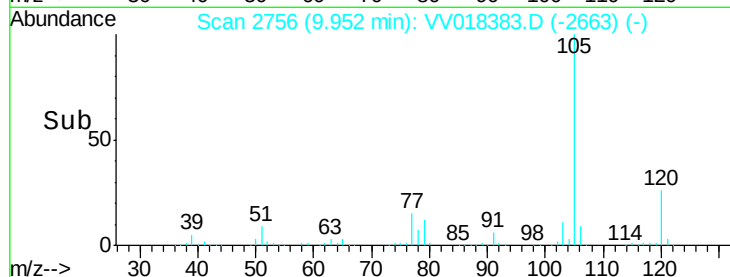
77 15.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.184 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

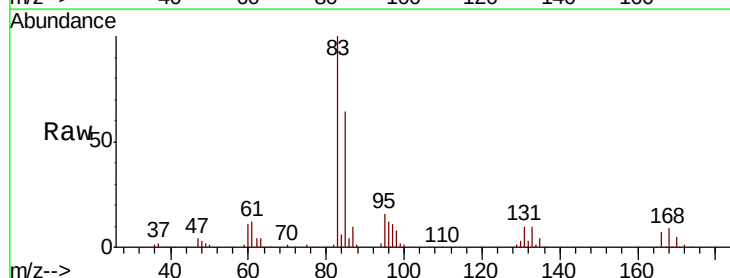
Tgt Ion: 83 Resp: 144186

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2

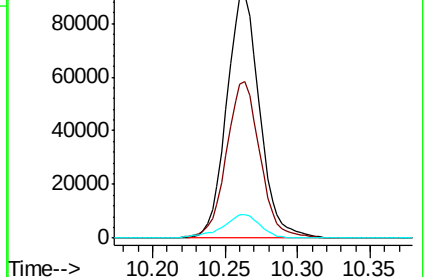
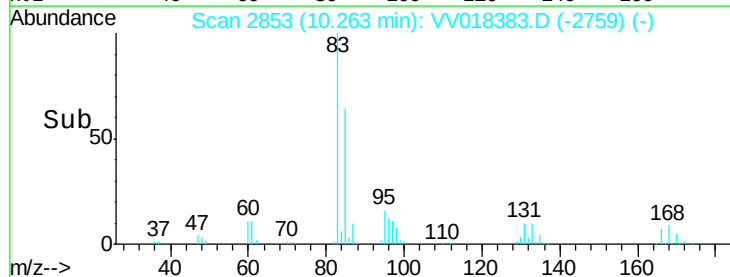
131 9.8 8.0 12.0

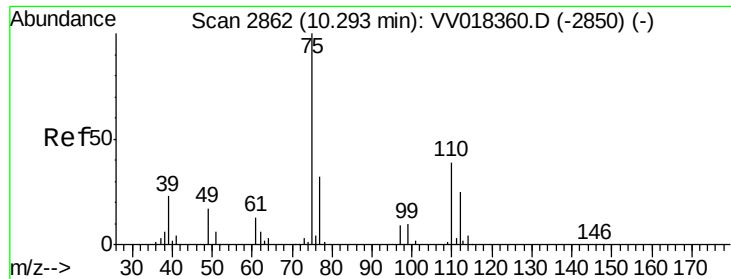


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.172 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

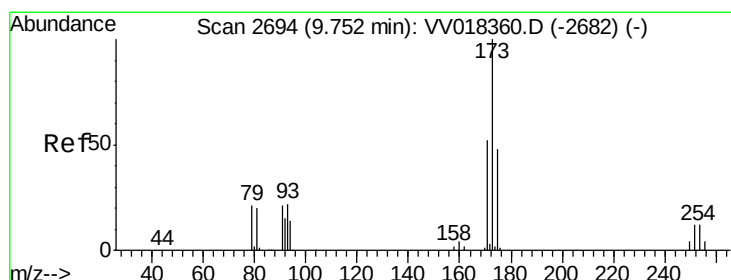
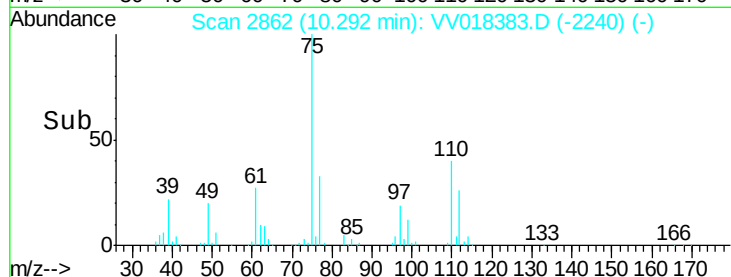
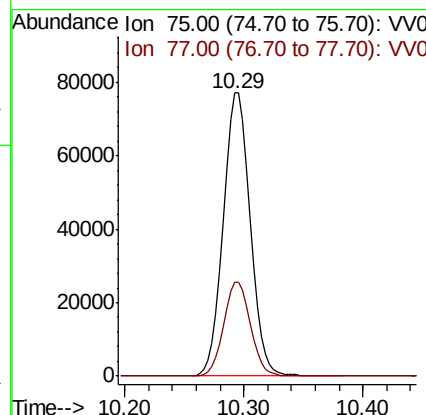
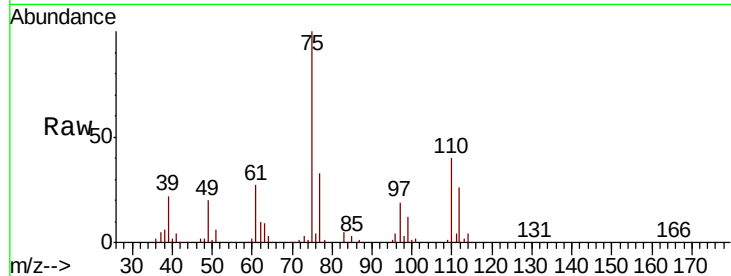
VSTD05082

Tot Ion: 75 Resp: 121198

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.6



#61

Bromoform

Concen: 48.310 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

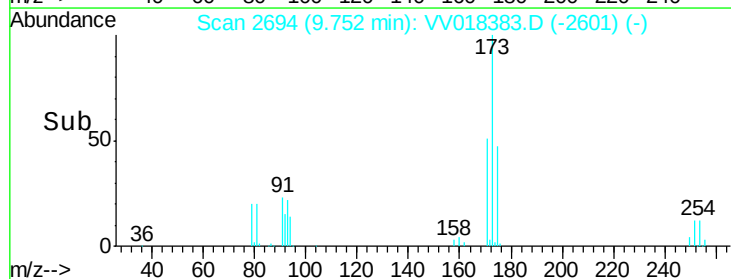
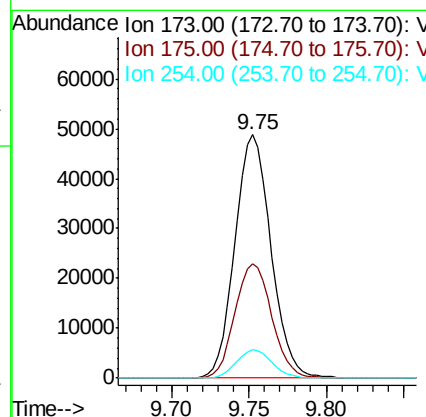
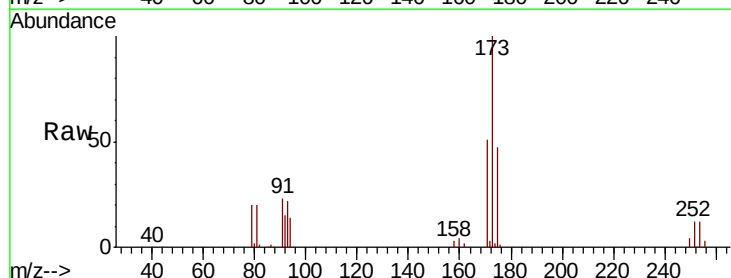
Tgt Ion:173 Resp: 79070

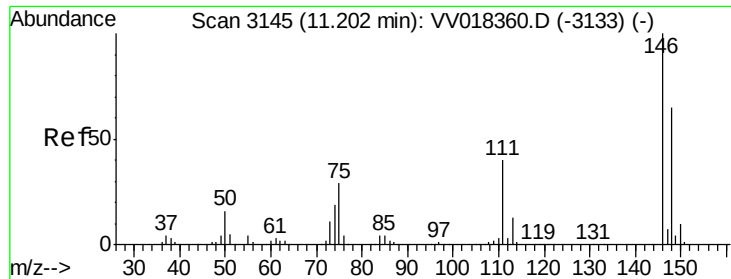
Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.6

254 11.4 9.0 13.4

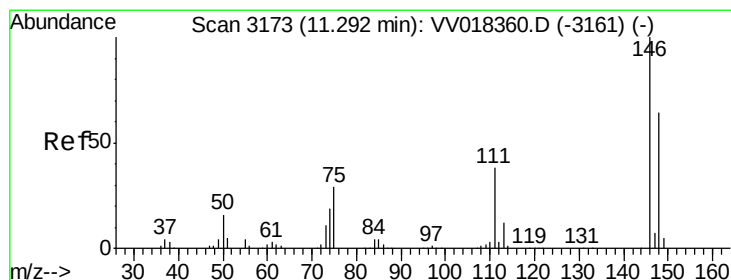
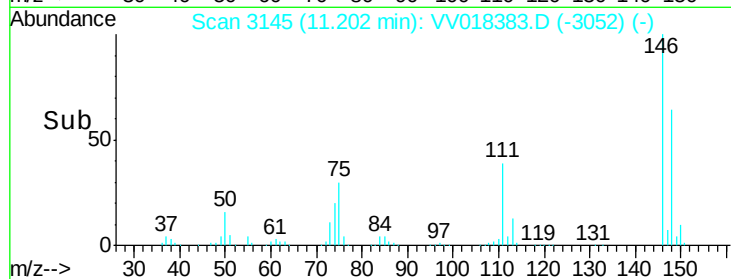
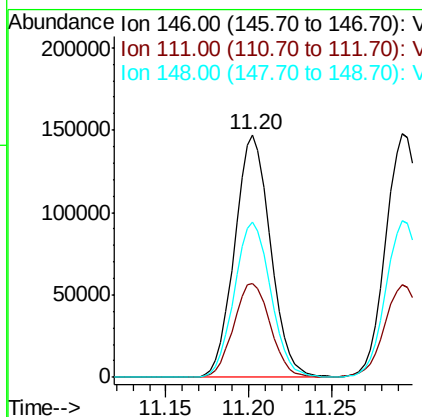
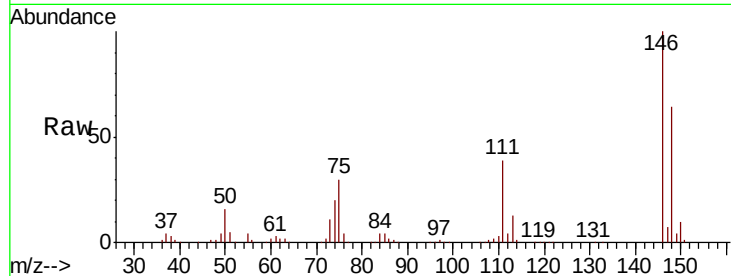




#62
 1,3-Dichlorobenzene
 Concen: 48.923 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

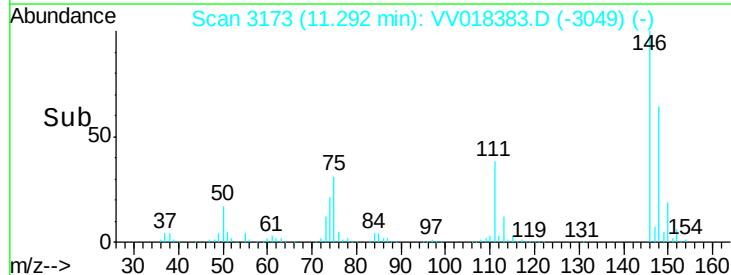
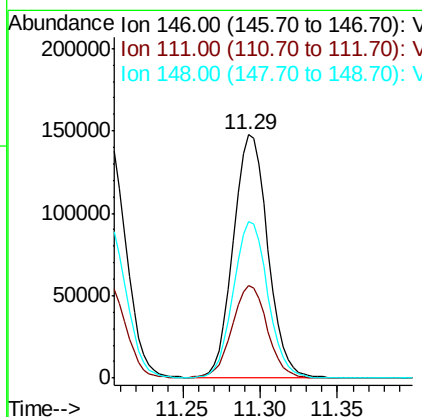
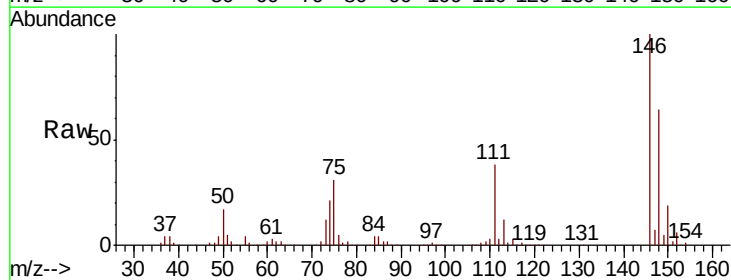
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

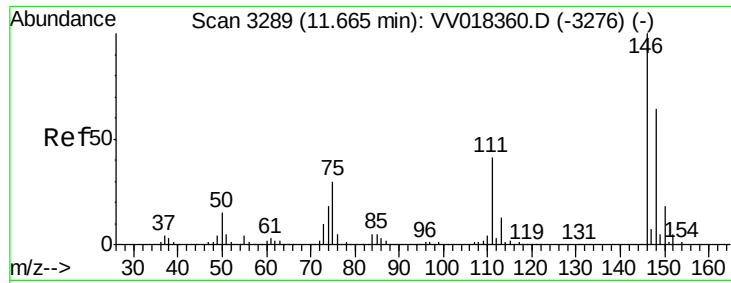
Tot Ion:146 Resp: 221641
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.6 51.2
 148 63.9 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 48.792 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

Tgt Ion:146 Resp: 227209
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.1 50.3
 148 64.3 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 48.355 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

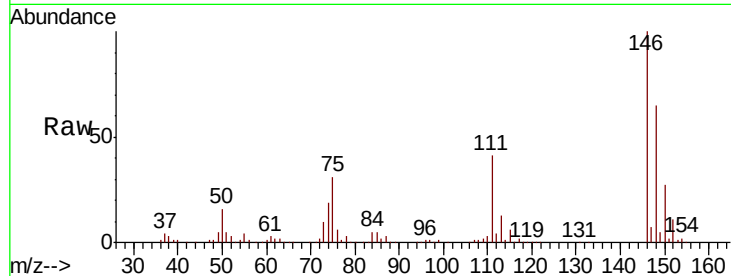
Tot Ion:146 Resp: 221428

Ion Ratio Lower Upper

146 100

111 41.3 32.8 49.2

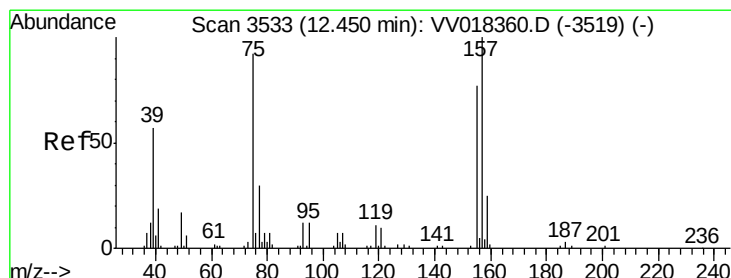
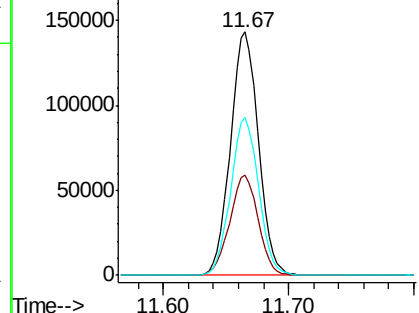
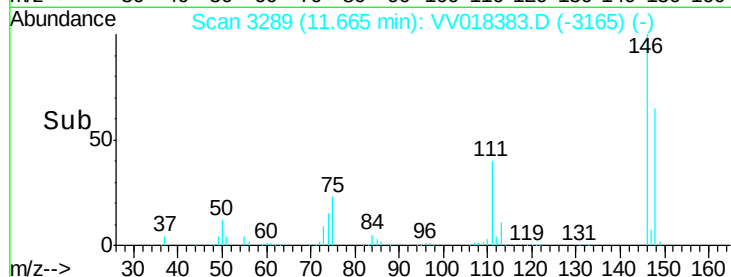
148 64.7 50.7 76.1



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: 48.852 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

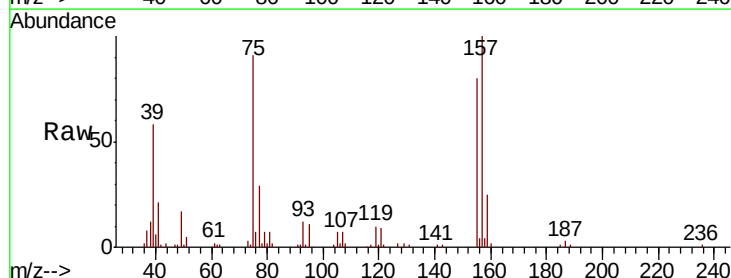
Tgt Ion: 75 Resp: 31568

Ion Ratio Lower Upper

75 100

155 87.9 69.7 104.5

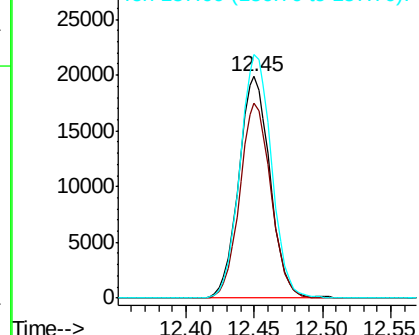
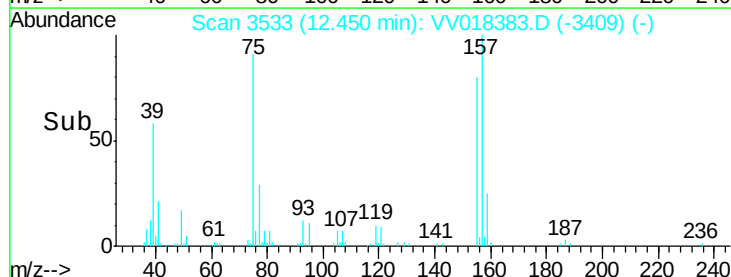
157 110.0 88.2 132.4

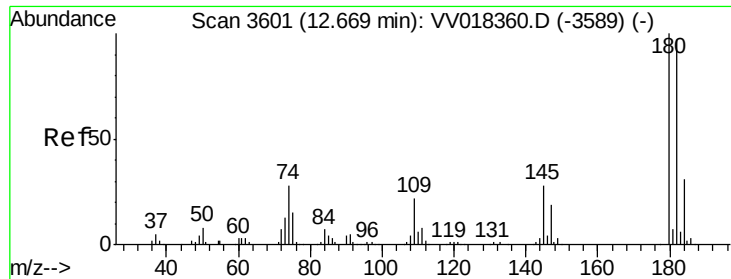


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

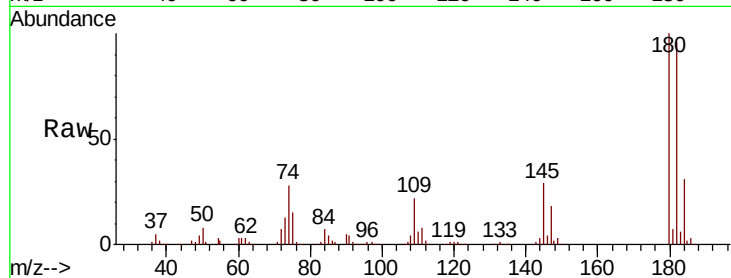




#67
 1,3,5-Trichlorobenzene
 Concen: 47.697 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	31.2	24.6	36.8
145	29.0	22.7	34.1

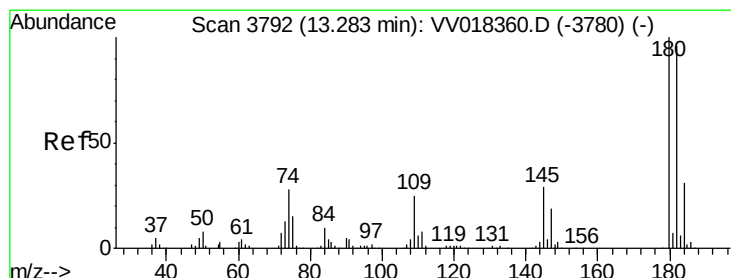
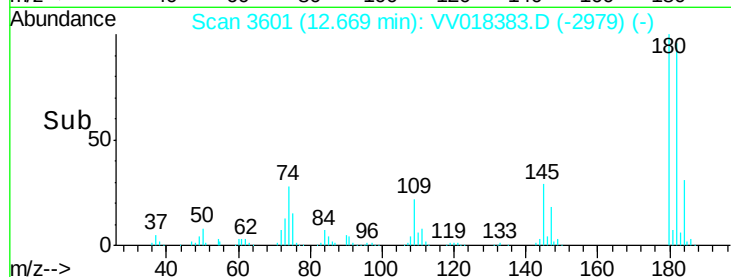
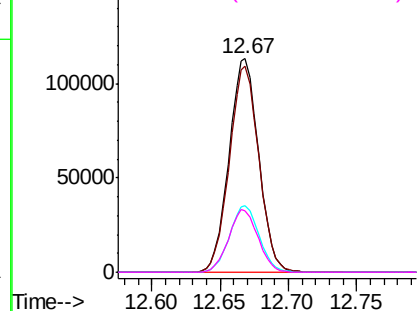


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

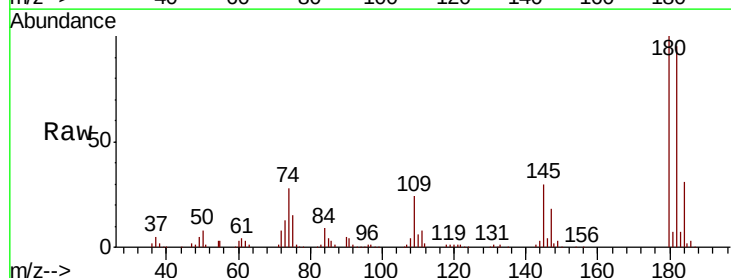
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.143 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018383.D
 Acq: 21 Sep 2020 20:08

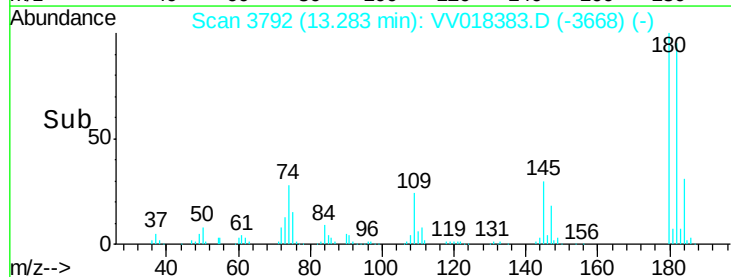
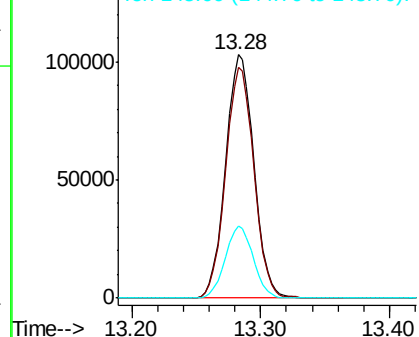
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.4	116.2
145	29.3	23.2	34.8

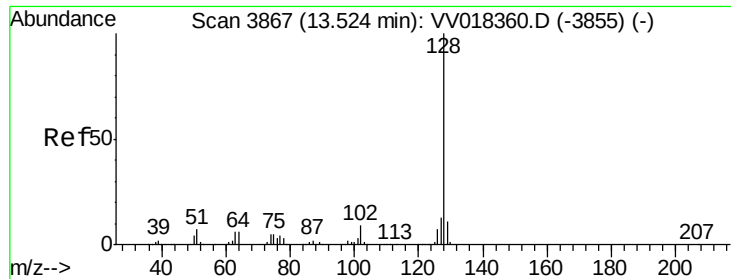


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.738 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Instrument :

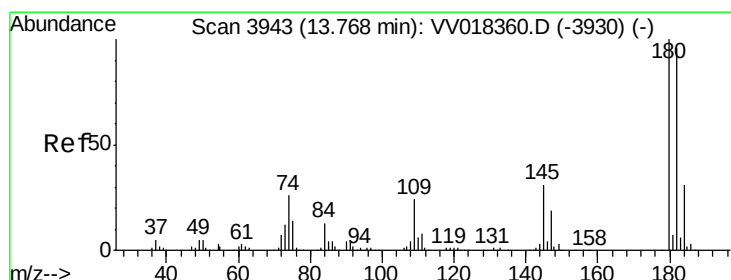
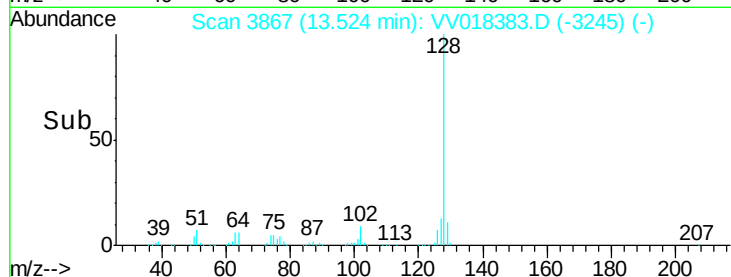
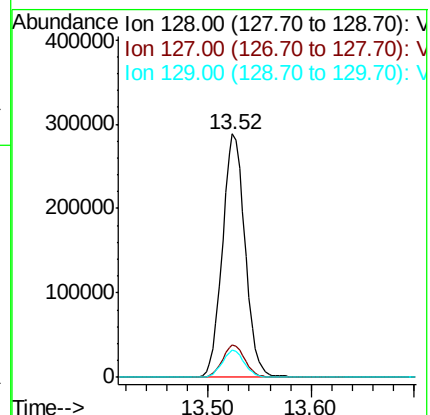
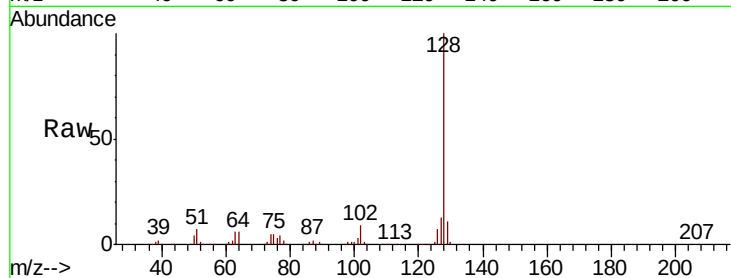
MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion:128 Resp: 440507

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	13.0



#70

1,2,3-Trichlorobenzene

Concen: 51.073 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018383.D

Acq: 21 Sep 2020 20:08

Tgt Ion:180 Resp: 159988

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
145	31.4	24.9	37.3

