

Data File : VV012582.D
Acq On : 05 Sep 2019 13:44
Operator : SY/MD
Sample : VSTD00533
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Quant Time: Sep 06 02:44:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153078	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	154314	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	74482	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77614	5.16	ug/L	0.00
7) Chloroethane-d5	1.58	69	71961	4.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	190720	5.20	ug/L	0.00
20) 2-Butanone-d5	3.96	46	150321	52.64	ug/L	0.00
24) Chloroform-d	4.40	84	120891	5.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	61703	5.12	ug/L	0.00
32) Benzene-d6	5.09	84	218397	5.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	68659	5.00	ug/L	0.00
41) Toluene-d8	7.36	98	203392	5.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	23670	4.75	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	95203	51.05	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48000	4.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	64031	4.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	93245	4.776 ug/L	100
3) Chloromethane	1.25	50	119427	5.146 ug/L	100
5) Vinyl chloride	1.32	62	125333	4.990 ug/L	100
6) Bromomethane	1.53	94	74871	5.003 ug/L	100
8) Chloroethane	1.60	64	84227	4.880 ug/L	100
9) Trichlorofluoromethane	1.77	101	190626	4.954 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	107792	5.003 ug/L	100
12) 1,1-Dichloroethene	2.14	96	104516	5.249 ug/L	100
13) Acetone	2.23	43	189623	47.690 ug/L	100
14) Carbon disulfide	2.32	76	330454	5.145 ug/L	100
15) Methyl Acetate	2.47	43	53071	5.418 ug/L	100
16) Methylene chloride	2.53	84	113275	4.967 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	169653	5.047 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	81555	5.119 ug/L	100
19) 1,1-Dichloroethane	3.23	63	156891	5.117 ug/L	100
21) 2-Butanone	4.05	43	197814	51.463 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	80510	4.921 ug/L	100
23) Bromochloromethane	4.30	128	34359	5.200 ug/L	100
25) Chloroform	4.42	83	161878	5.013 ug/L	100
27) 1,2-Dichloroethane	5.18	62	101627	5.409 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	126822	4.946 ug/L	100
30) Cyclohexane	4.72	56	133512	5.057 ug/L	100
31) Carbon tetrachloride	4.87	117	112410	5.011 ug/L	100
33) Benzene	5.14	78	336317	5.297 ug/L	100
34) Trichloroethene	5.96	95	88041	4.984 ug/L	100
35) Methylcyclohexane	6.17	83	134438	5.027 ug/L	100
37) 1,2-Dichloropropane	6.22	63	85795	5.022 ug/L	100
38) Bromodichloromethane	6.55	83	107462	5.008 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	107060	4.912 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	520137	53.058 ug/L	100

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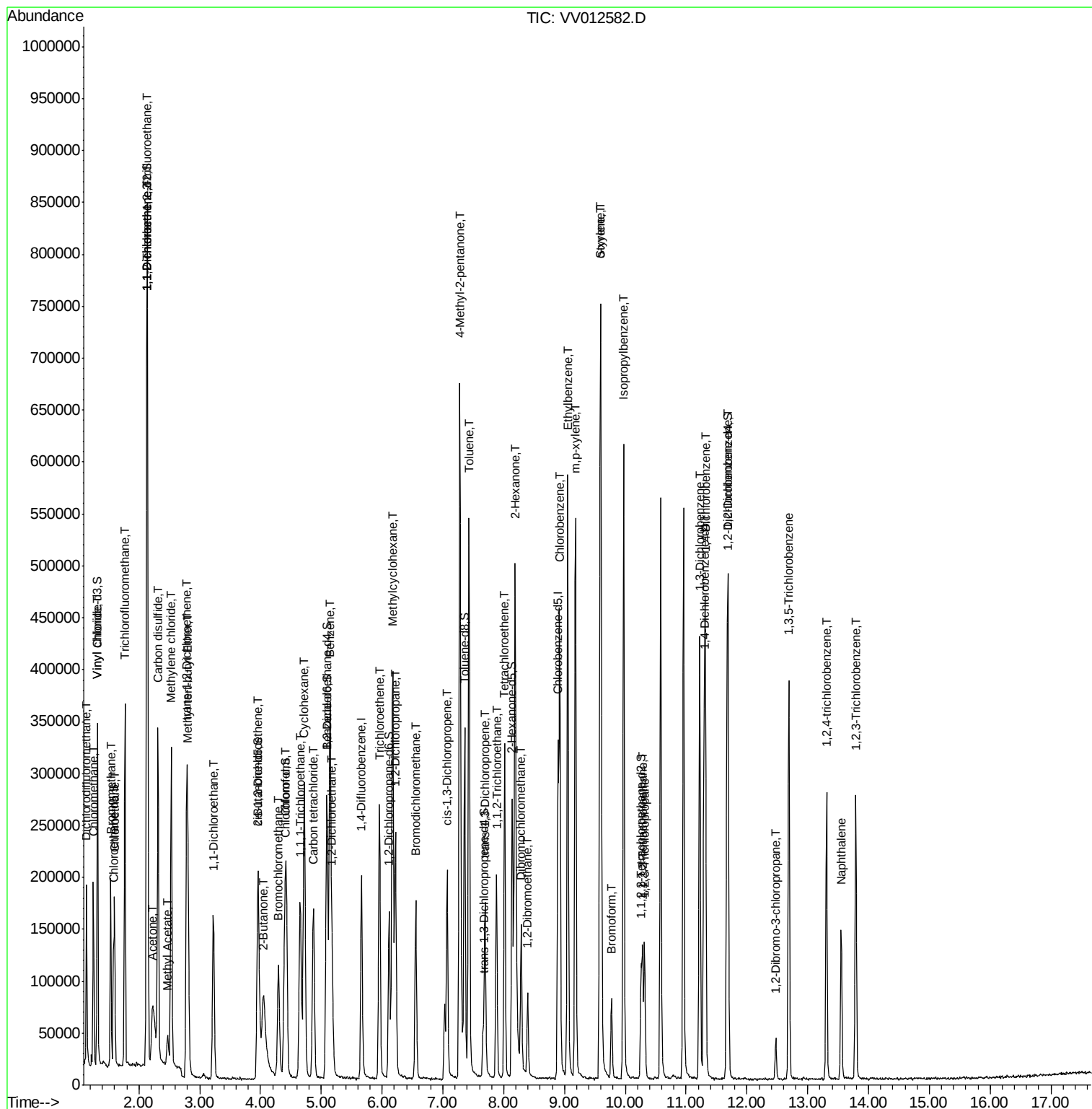
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	366944	5.297	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	86165	4.965	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	54068	5.053	ug/L	100
47) Tetrachloroethene	8.02	164	63624	5.015	ug/L	100
48) 2-Hexanone	8.19	43	380219	55.058	ug/L	100
49) Dibromochloromethane	8.29	129	63834	5.078	ug/L	100
50) 1,2-Dibromoethane	8.39	107	48716	5.102	ug/L	100
51) Chlorobenzene	8.92	112	213672	4.944	ug/L	100
52) Ethylbenzene	9.05	91	376738	5.041	ug/L	100
53) m,p-xylene	9.18	106	139459	5.124	ug/L	100
54) o-xylene	9.59	106	131395	5.131	ug/L	100
55) Styrene	9.60	104	231018	5.289	ug/L	100
56) Isopropylbenzene	9.97	105	357160	5.060	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	56912	4.805	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	48622	5.108	ug/L	100
61) Bromoform	9.77	173	30532	5.015	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	161063	5.011	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	155054	4.719	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	147405	4.994	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9403	4.745	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	105121	4.519	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	76324	4.581	ug/L	100
69) Naphthalene	13.55	128	105359	4.287	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	74054	4.842	ug/L	100

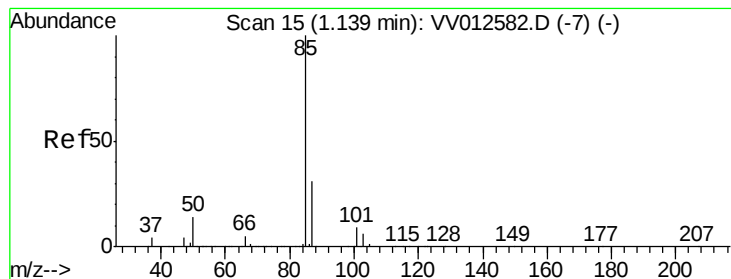
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.776 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampled :

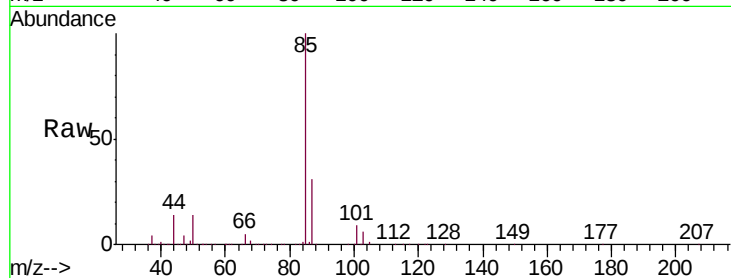
VSTD00533

Tgt Ion: 85 Resp: 93245

Ion Ratio Lower Upper

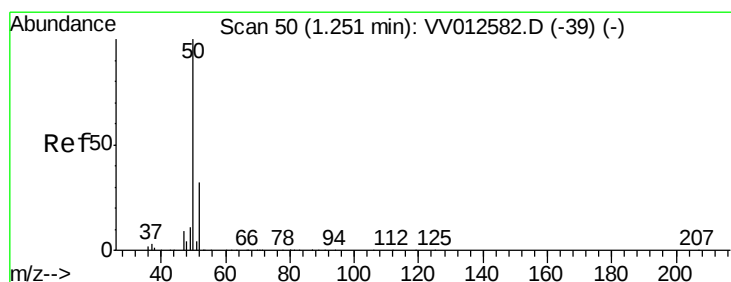
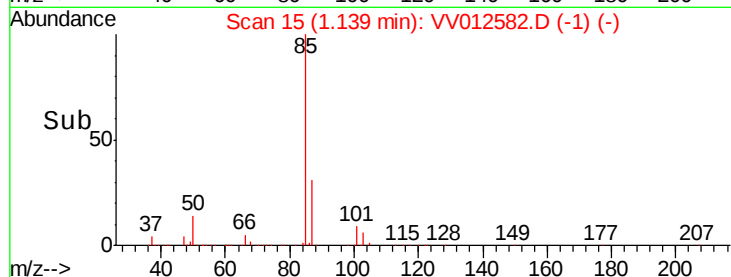
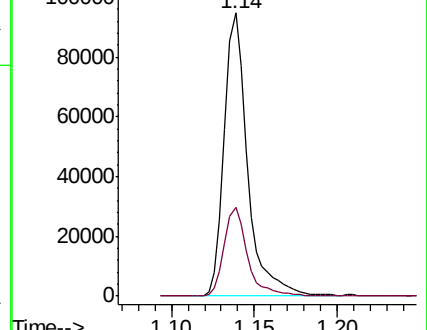
85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.146 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012582.D

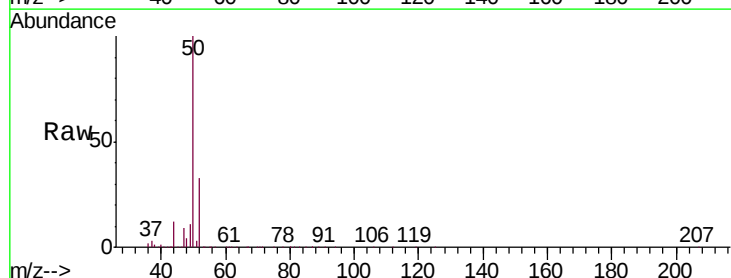
Acq: 05 Sep 2019 13:44

Tgt Ion: 50 Resp: 119427

Ion Ratio Lower Upper

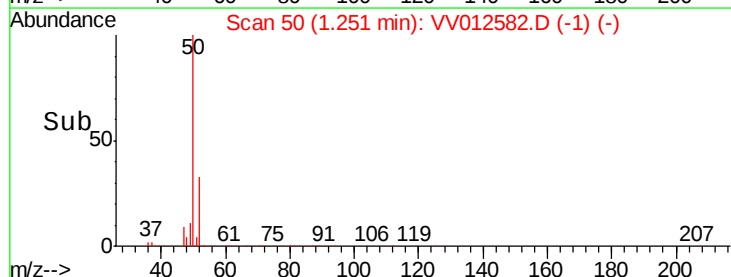
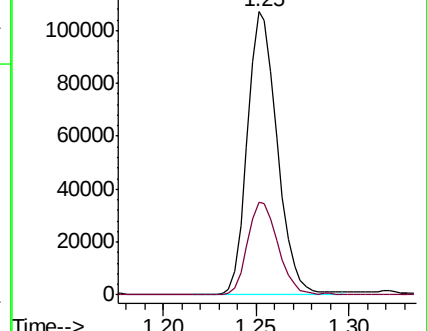
50 100

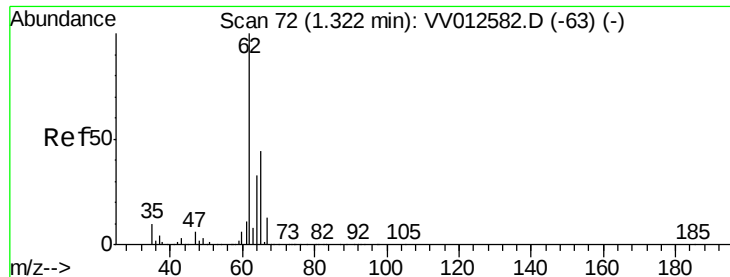
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.990 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

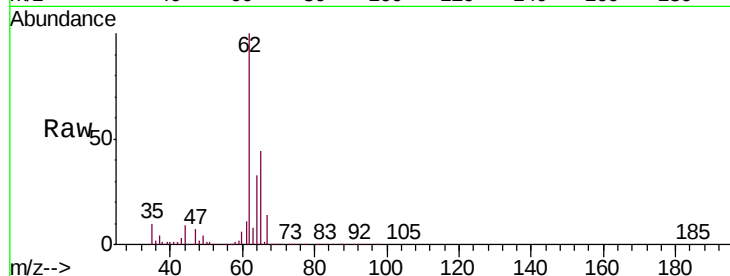
VSTD00533

Tgt Ion: 62 Resp: 125333

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

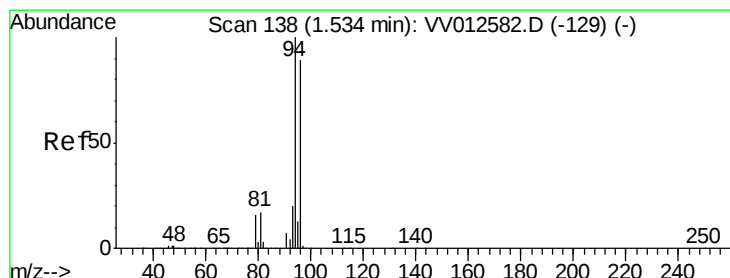
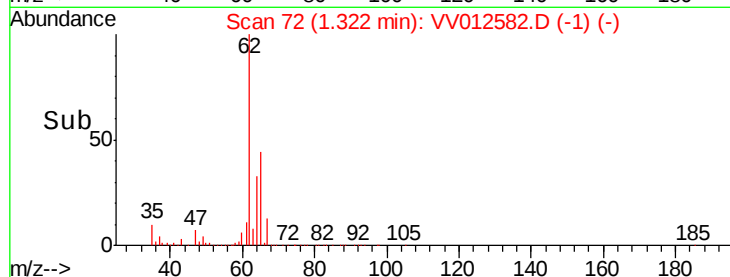
1.32

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 5.003 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012582.D

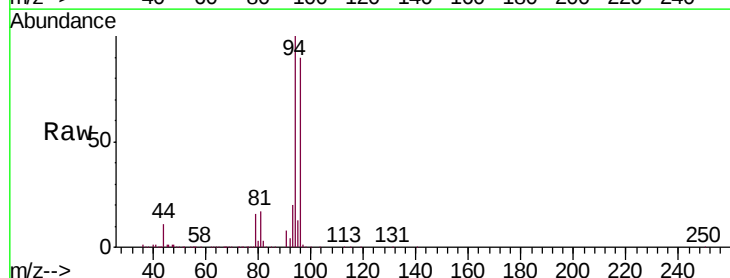
Acq: 05 Sep 2019 13:44

Tgt Ion: 94 Resp: 74871

Ion Ratio Lower Upper

94 100

96 89.5 62.6 116.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

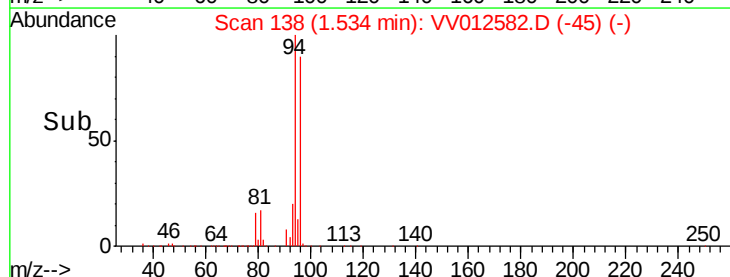
60000

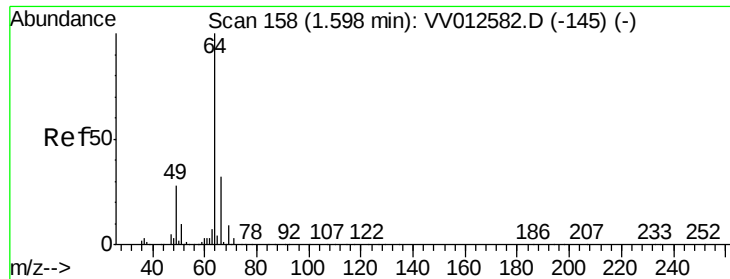
40000

20000

0

Time--> 1.50 1.55 1.60

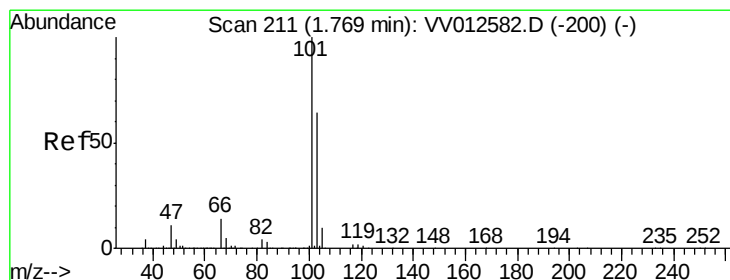
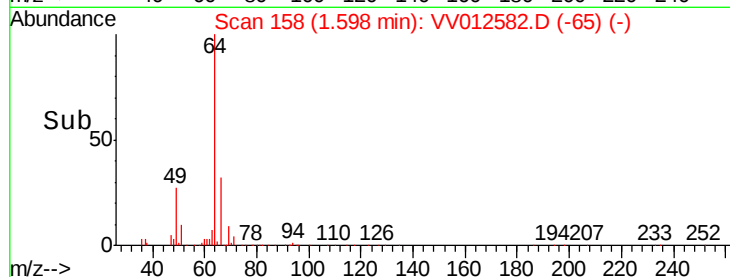
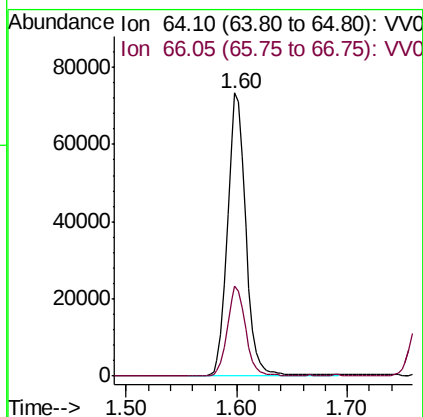
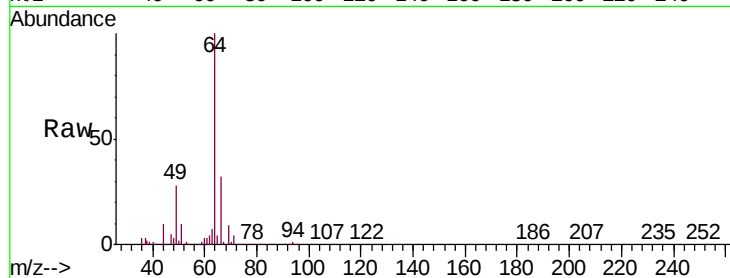




#8
Chloroethane
Concen: 4.880 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

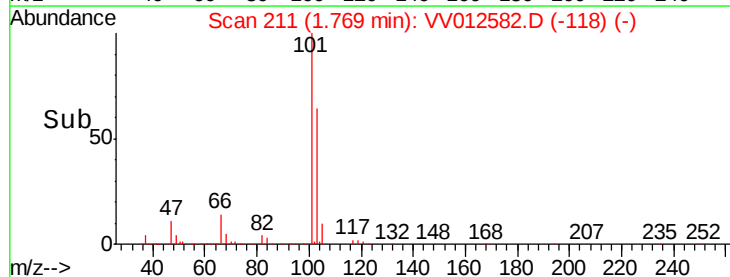
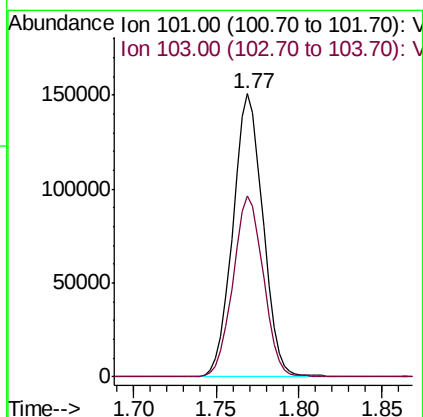
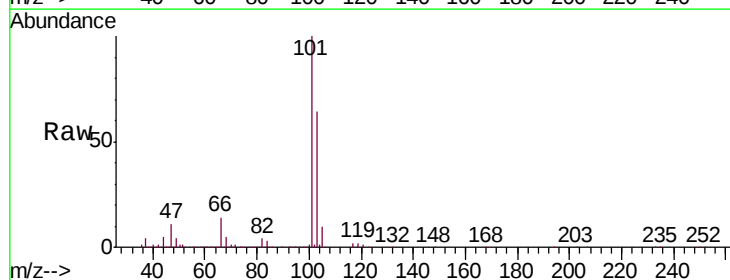
Instrument :
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ClientSampleId :
VSTD00533

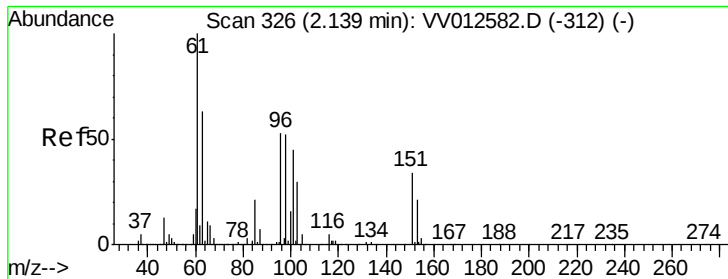
Tgt Ion: 64 Resp: 84227
Ion Ratio Lower Upper
64 100
66 31.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 4.954 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

Tgt Ion: 101 Resp: 190626
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 5.003 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

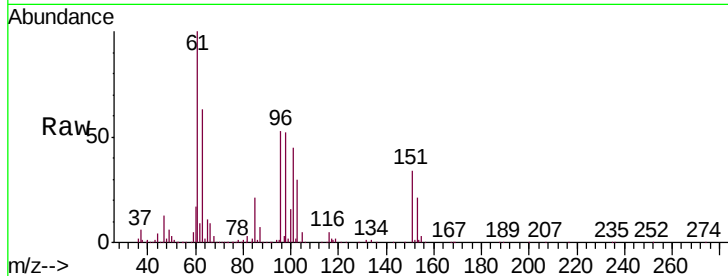
Tgt Ion:101 Resp: 107792

Ion Ratio Lower Upper

101 100

85 46.7 37.4 56.0

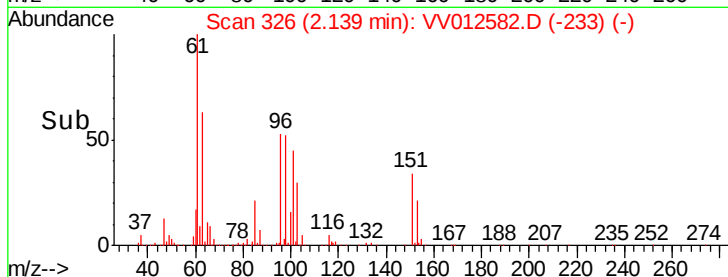
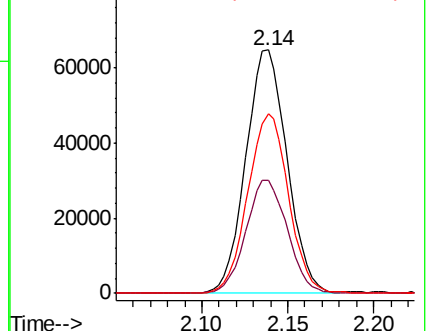
151 72.8 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV012582.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012582.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012582.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.249 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

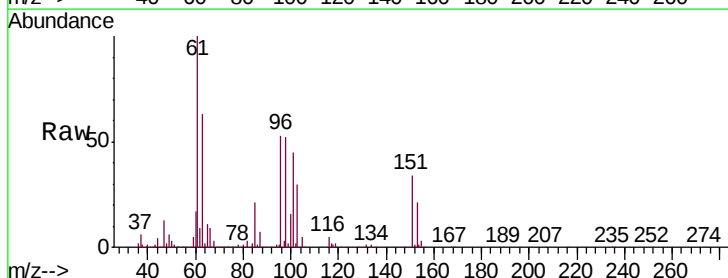
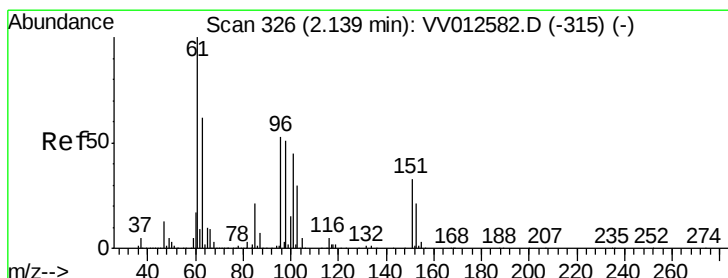
Tgt Ion: 96 Resp: 104516

Ion Ratio Lower Upper

96 100

61 189.6 132.7 246.5

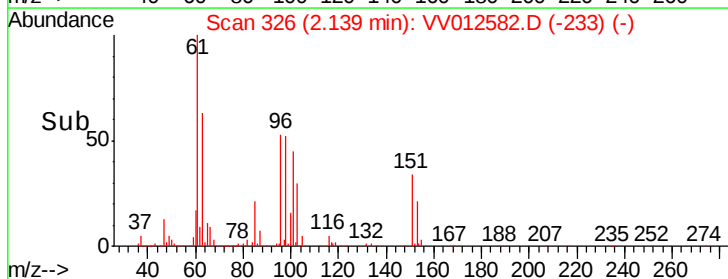
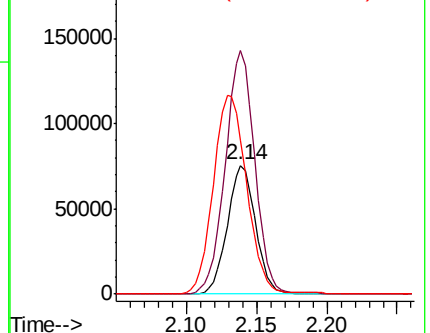
63 120.1 84.1 156.1

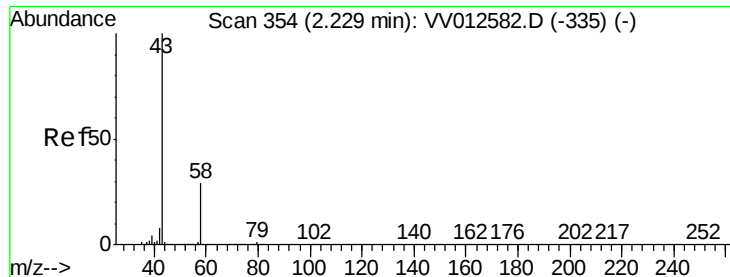


Abundance Ion 96.00 (95.70 to 96.70): VV012582.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV012582.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV012582.D (-315) (-)





#13

Acetone

Concen: 47.690 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

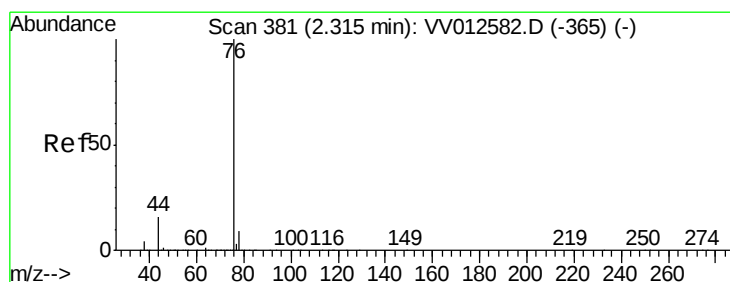
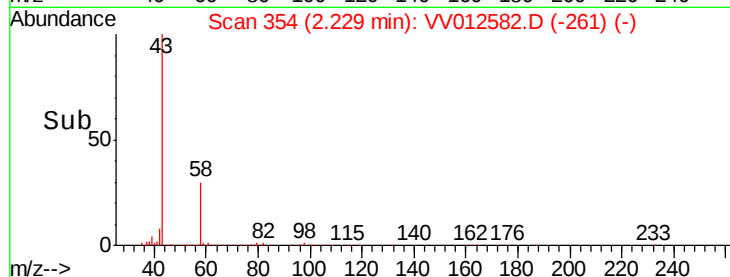
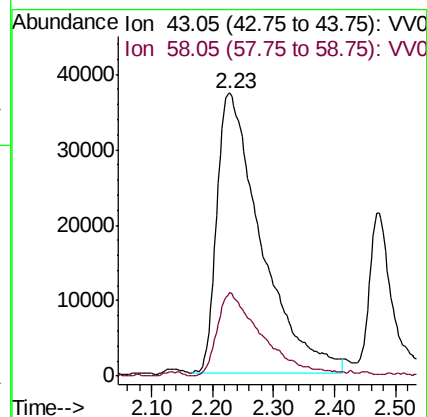
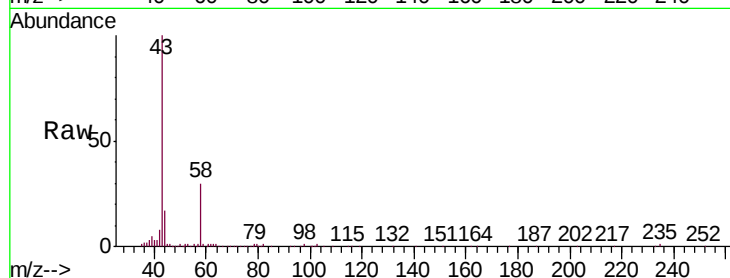
VSTD00533

Tgt Ion: 43 Resp: 189623

Ion Ratio Lower Upper

43 100

58 28.5 0.0 57.0



#14

Carbon disulfide

Concen: 5.145 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012582.D

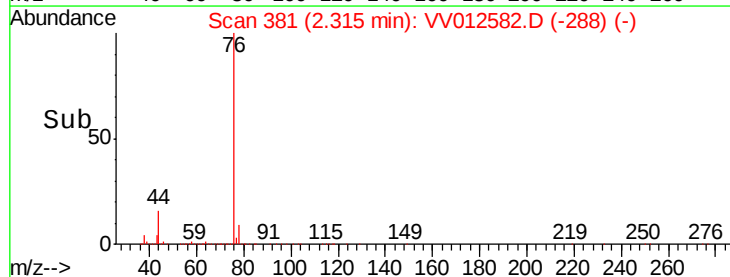
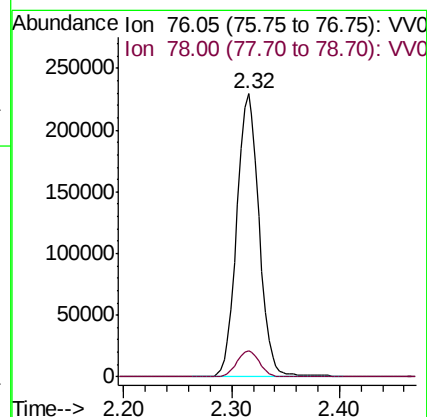
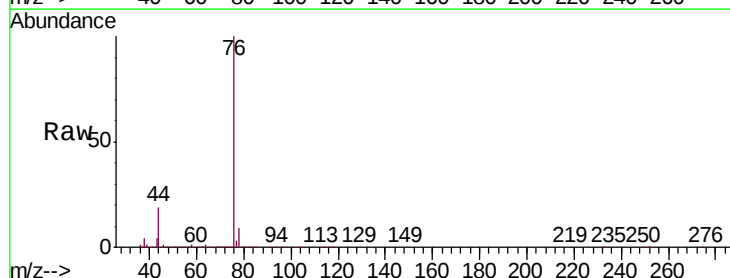
Acq: 05 Sep 2019 13:44

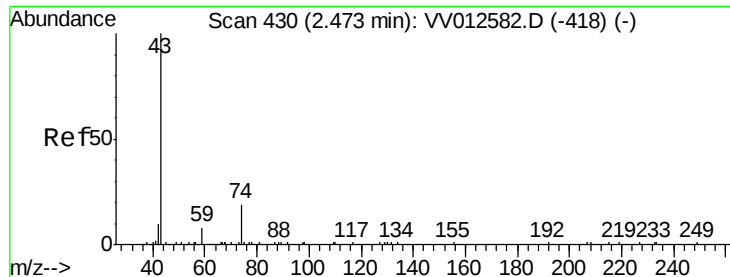
Tgt Ion: 76 Resp: 330454

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

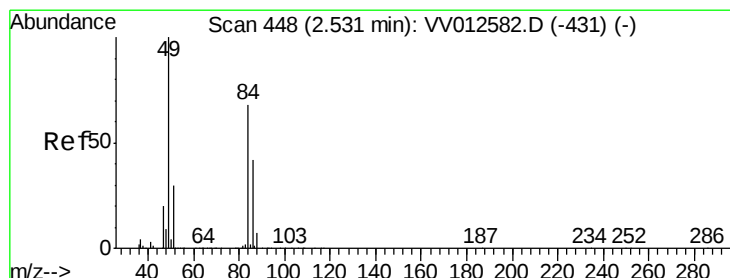
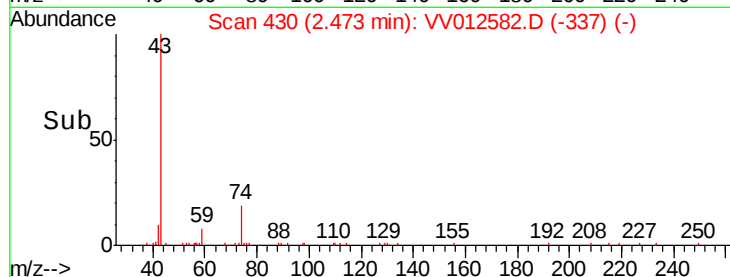
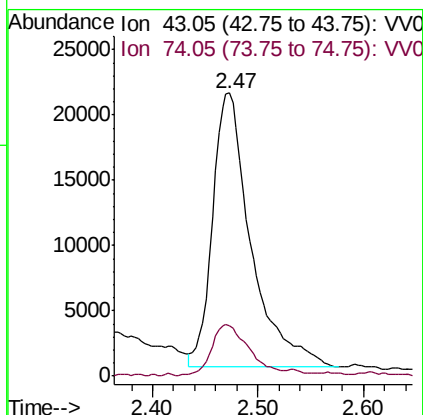
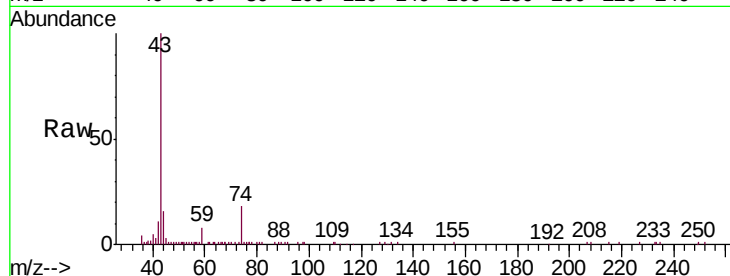




#15
Methyl Acetate
Concen: 5.418 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

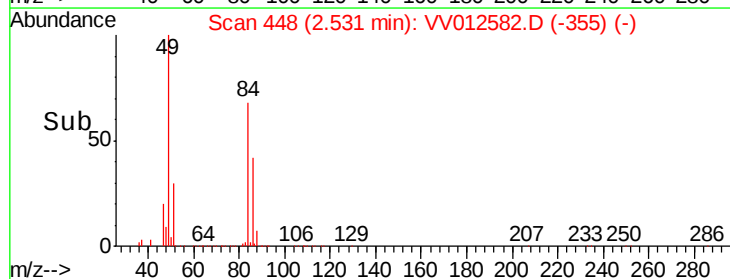
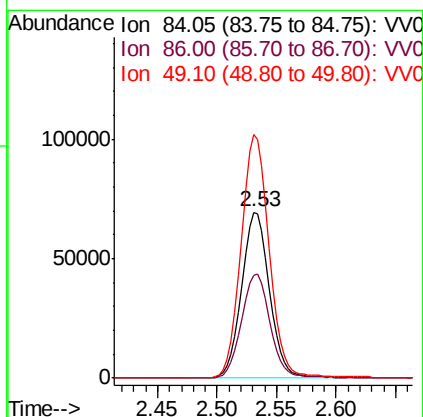
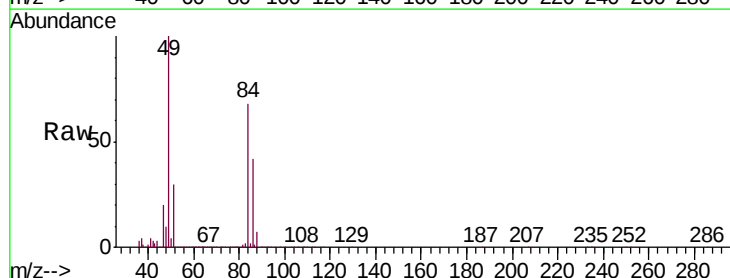
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

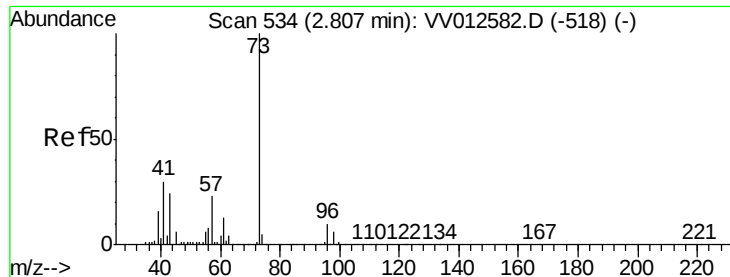
Tgt Ion: 43 Resp: 53071
Ion Ratio Lower Upper
43 100
74 18.6 14.9 22.3



#16
Methylene chloride
Concen: 4.967 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

Tgt Ion: 84 Resp: 113275
Ion Ratio Lower Upper
84 100
86 62.3 43.6 81.0
49 147.1 103.0 191.2





#17

Methyl tert-butyl Ether

Concen: 5.047 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

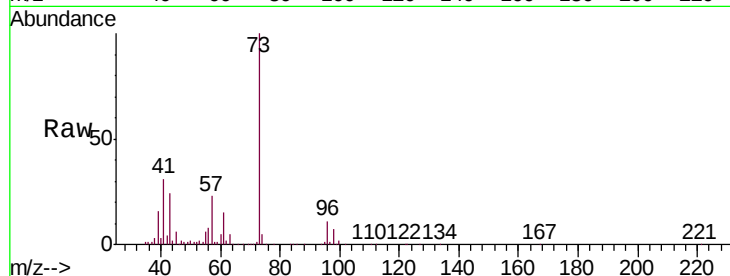
Tgt Ion: 73 Resp: 169653

Ion Ratio Lower Upper

73 100

43 23.6 18.9 28.3

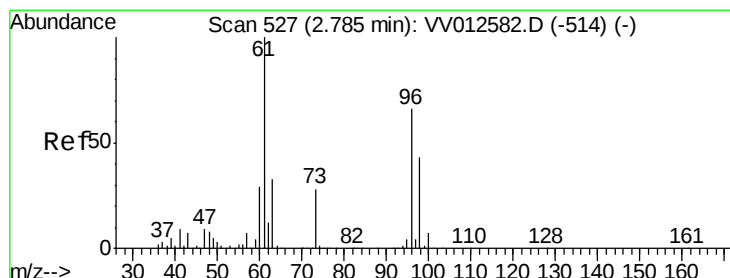
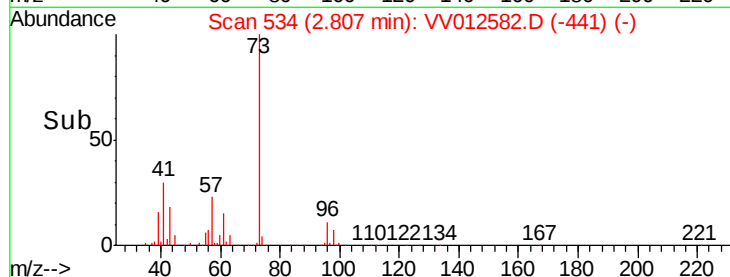
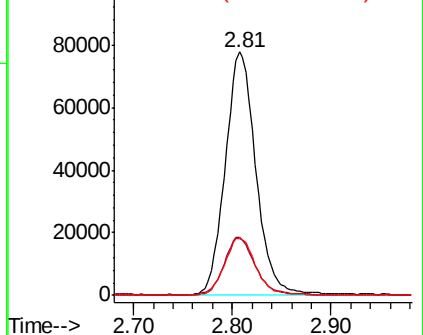
57 23.6 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.119 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

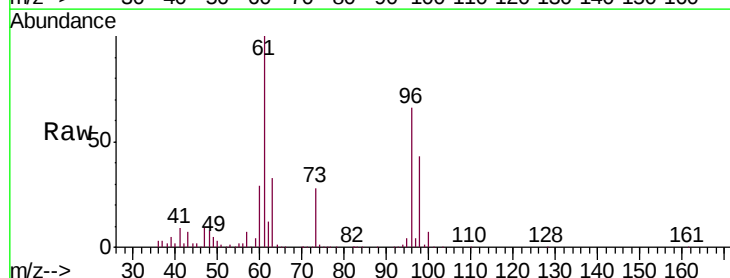
Tgt Ion: 96 Resp: 81555

Ion Ratio Lower Upper

96 100

61 150.8 105.6 196.0

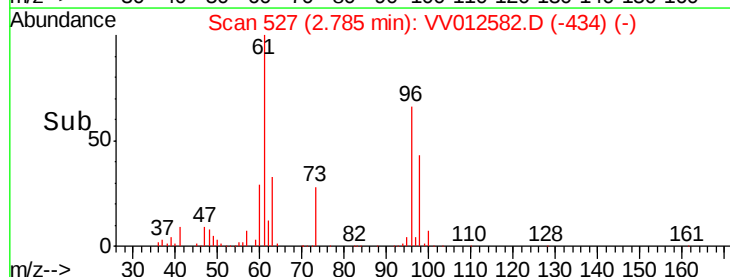
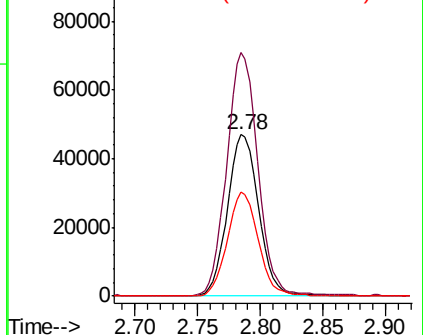
98 64.6 45.2 84.0

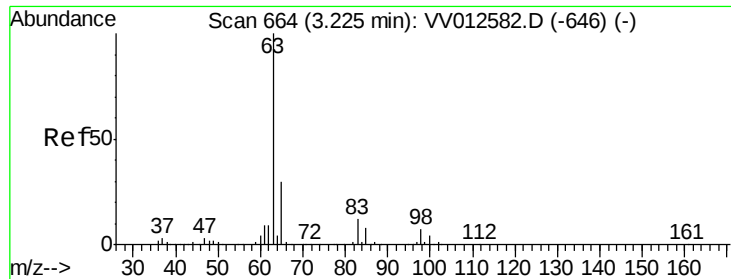


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

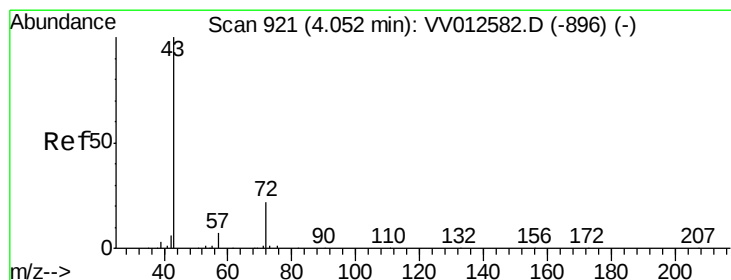
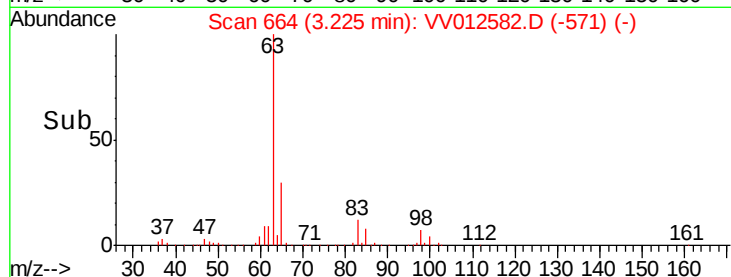
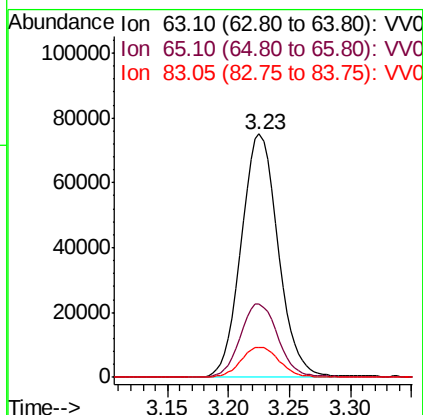
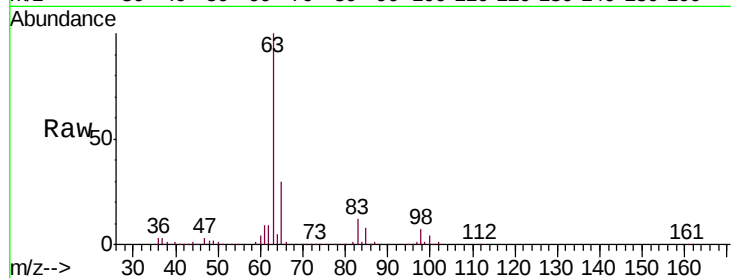




#19
 1,1-Dichloroethane
 Concen: 5.117 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

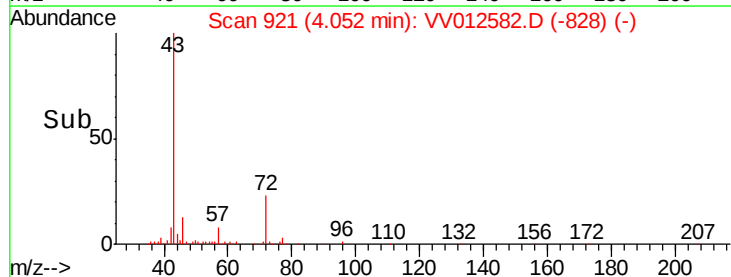
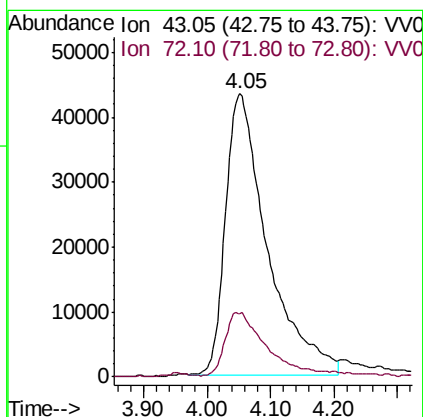
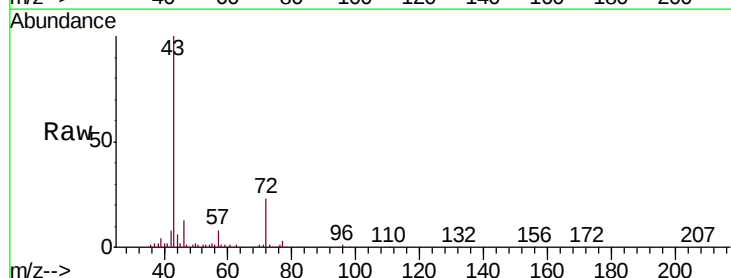
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

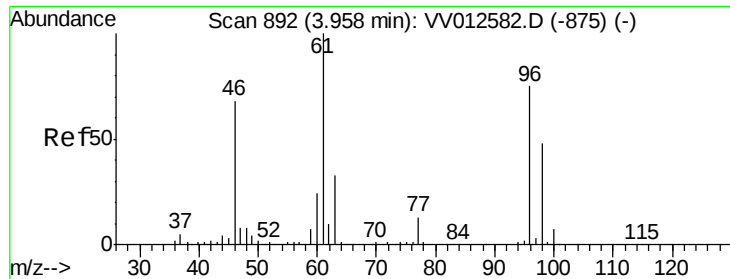
Tgt Ion: 63 Resp: 156891
 Ion Ratio Lower Upper
 63 100
 65 29.9 20.9 38.9
 83 12.5 8.8 16.3



#21
 2-Butanone
 Concen: 51.463 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion: 43 Resp: 197814
 Ion Ratio Lower Upper
 43 100
 72 21.1 10.5 31.6



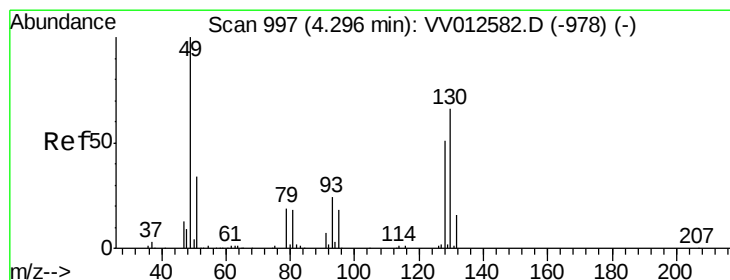
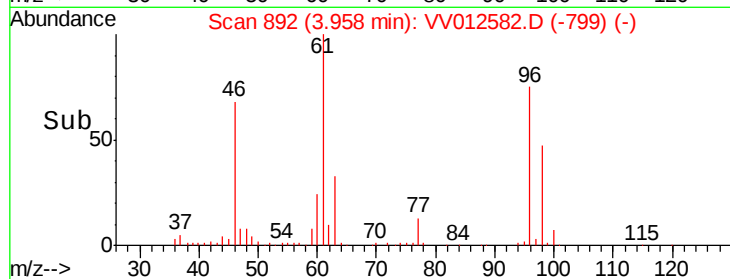
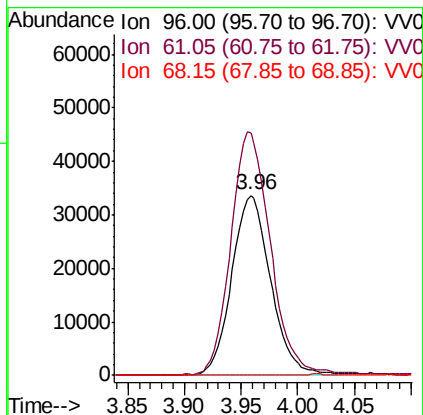
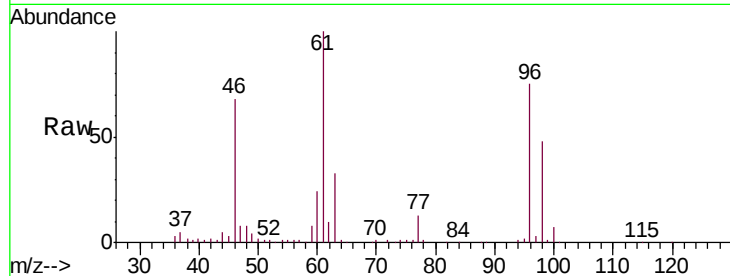


#22

cis-1,2-Dichloroethene
 Concen: 4.921 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

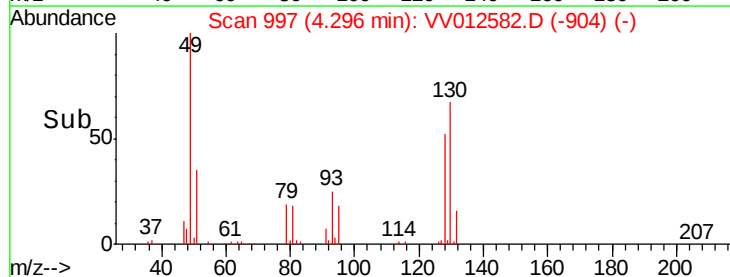
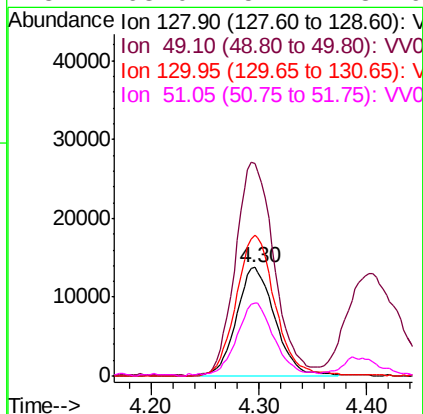
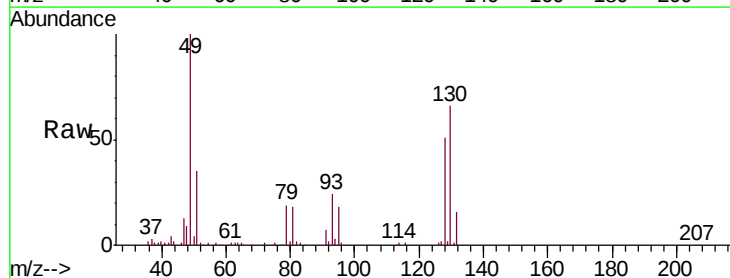
Tgt Ion: 96 Resp: 80510
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.9 174.5
 68 0.0 0.0 0.0

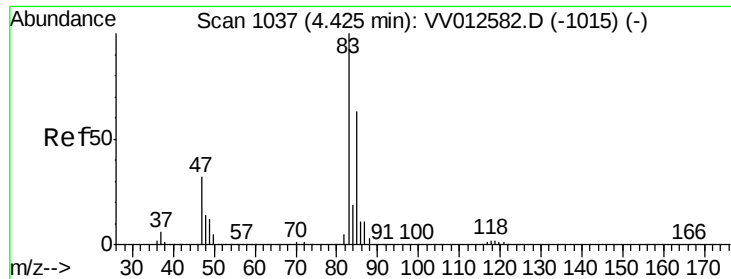


#23

Bromochloromethane
 Concen: 5.200 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion: 128 Resp: 34359
 Ion Ratio Lower Upper
 128 100
 49 195.9 137.1 254.7
 130 129.9 90.9 168.9
 51 68.0 54.4 81.6

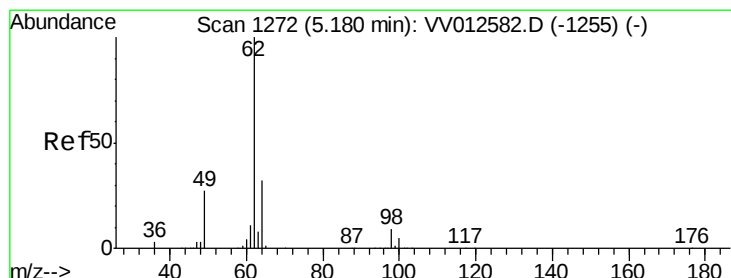
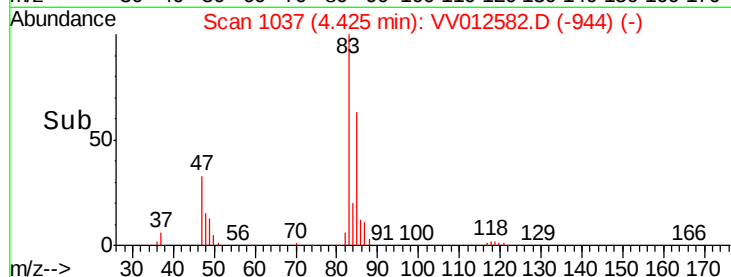
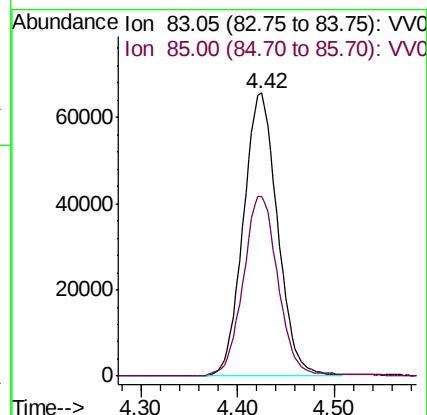
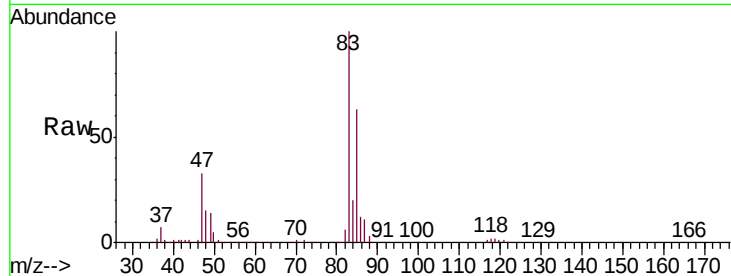




#25
Chloroform
Concen: 5.013 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

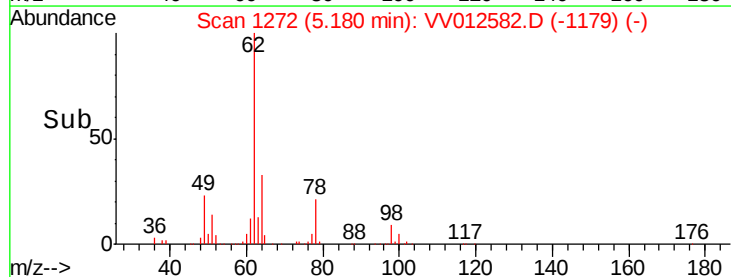
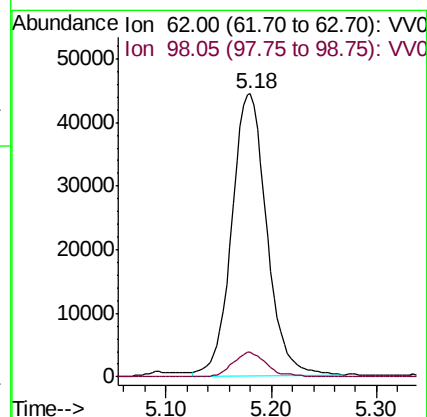
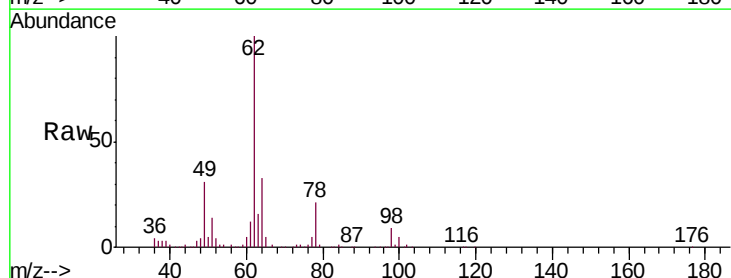
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

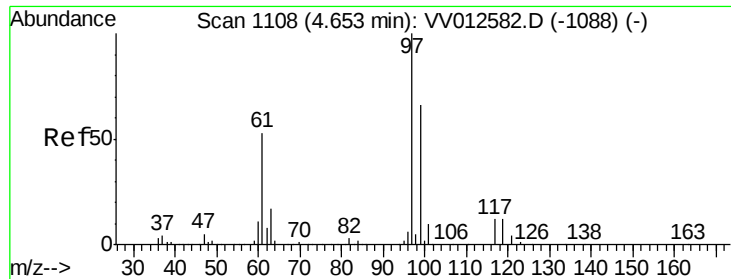
Tgt Ion: 83 Resp: 161878
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.409 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

Tgt Ion: 62 Resp: 101627
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

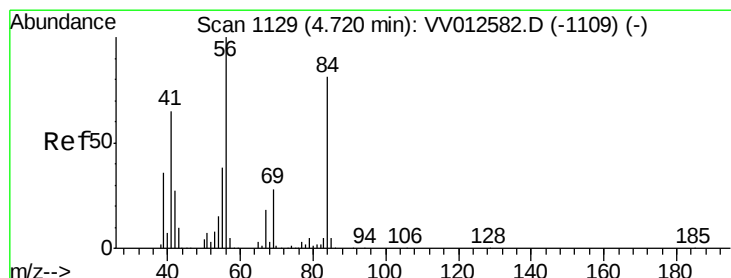
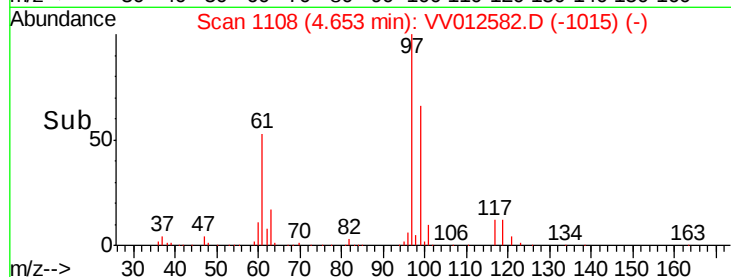
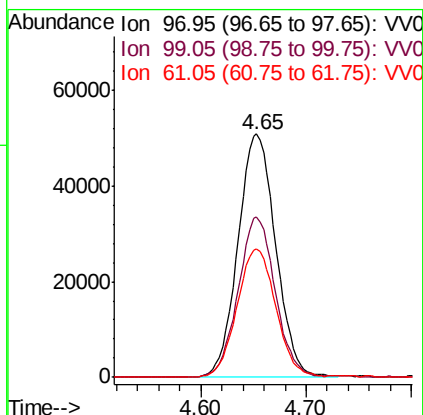
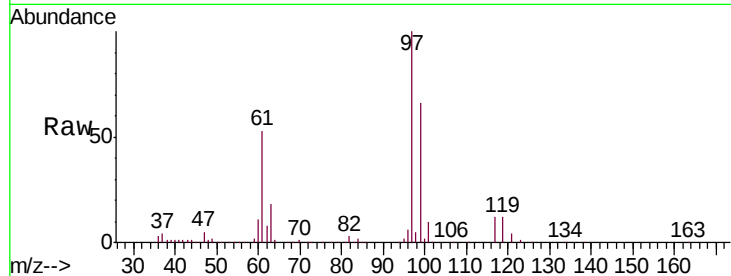




#29
 1,1,1-Trichloroethane
 Concen: 4.946 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

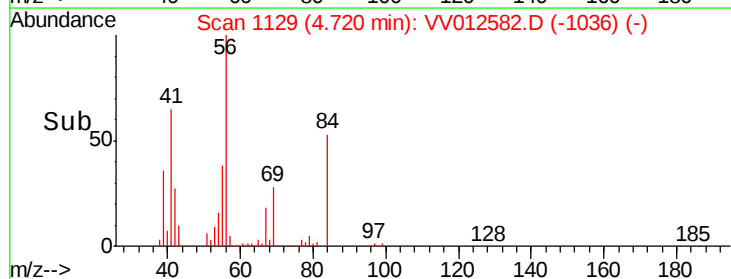
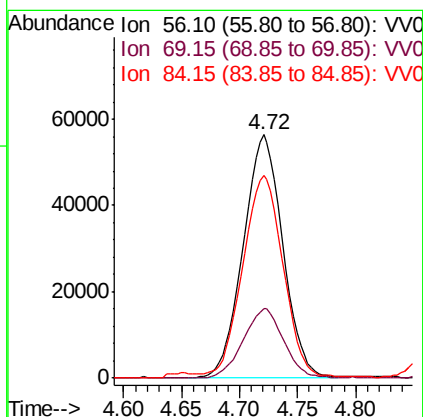
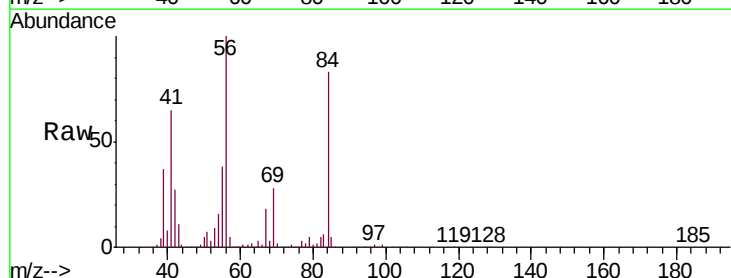
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

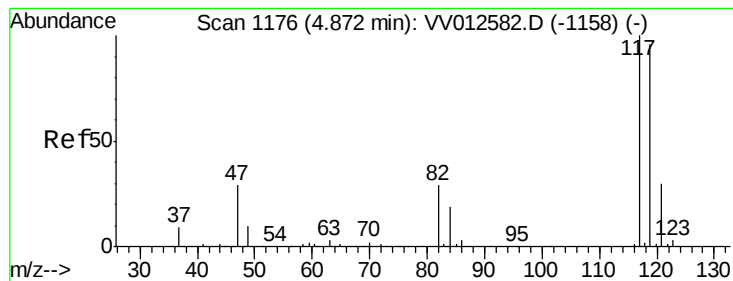
Tgt Ion: 97 Resp: 126822
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 54.2 43.4 65.0



#30
 Cyclohexane
 Concen: 5.057 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion: 56 Resp: 133512
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.4 35.0
 84 85.0 68.0 102.0





#31

Carbon tetrachloride

Concen: 5.011 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

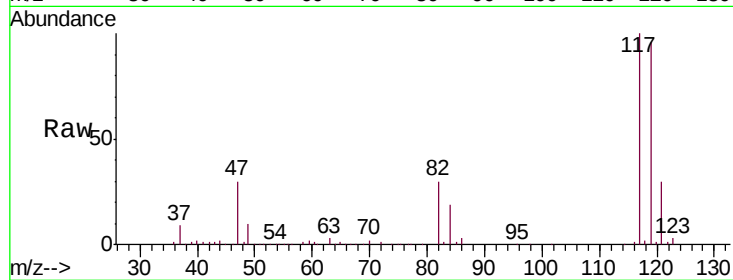
VSTD00533

Tgt Ion:117 Resp: 112410

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

50000

40000

30000

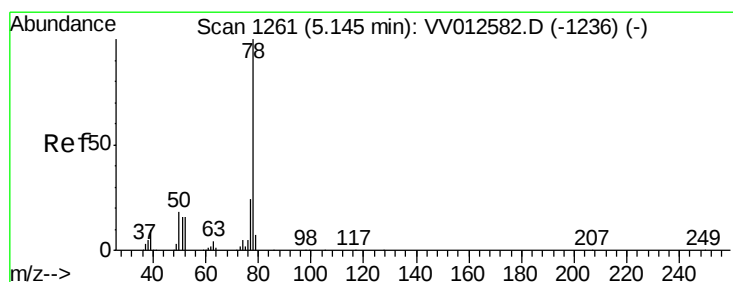
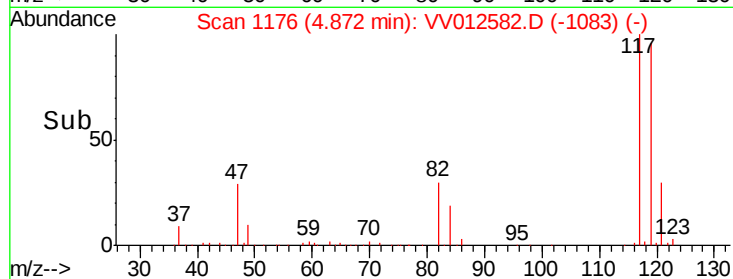
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 5.297 ug/L

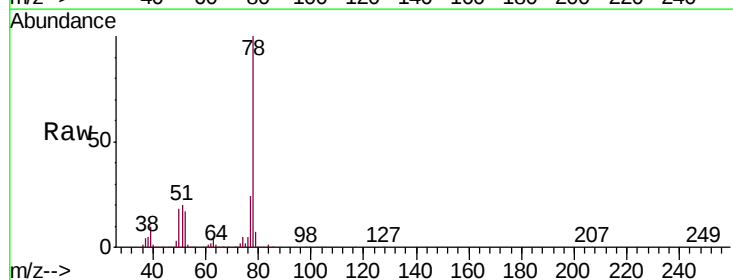
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Tgt Ion: 78 Resp: 336317



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

150000

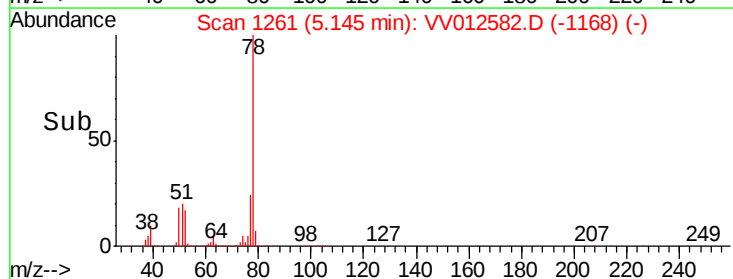
100000

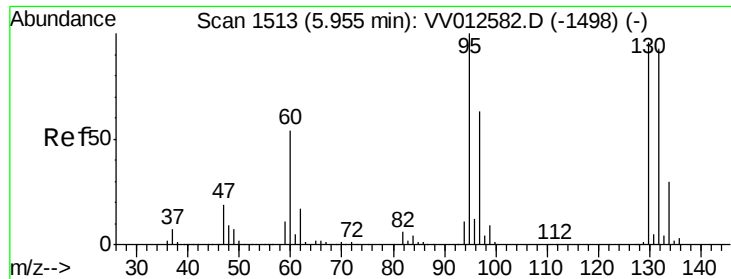
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 4.984 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

Tgt Ion: 95 Resp: 88041

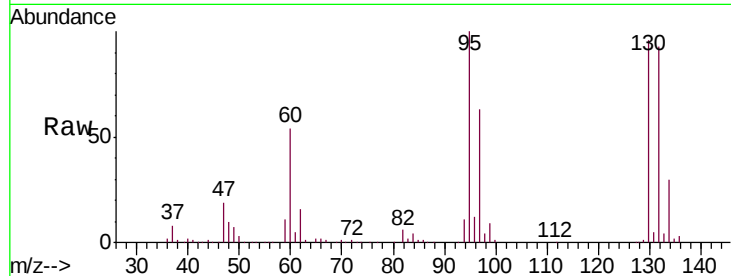
Ion Ratio Lower Upper

95 100

97 62.7 43.9 81.5

132 92.6 64.8 120.4

130 95.9 67.1 124.7

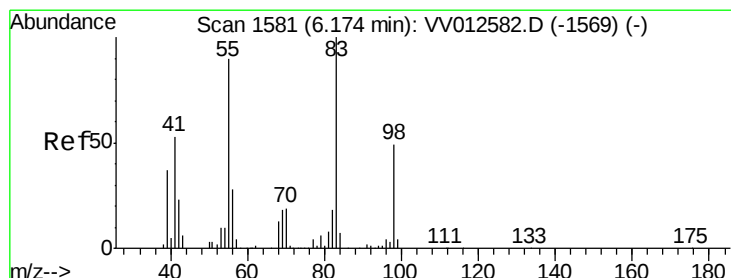
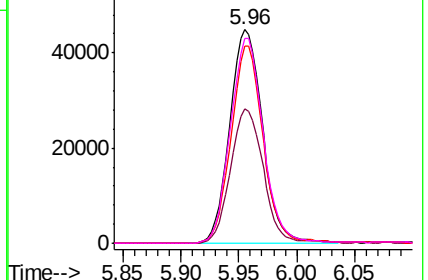
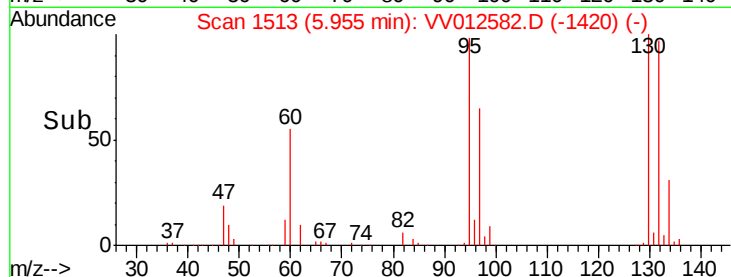


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.027 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

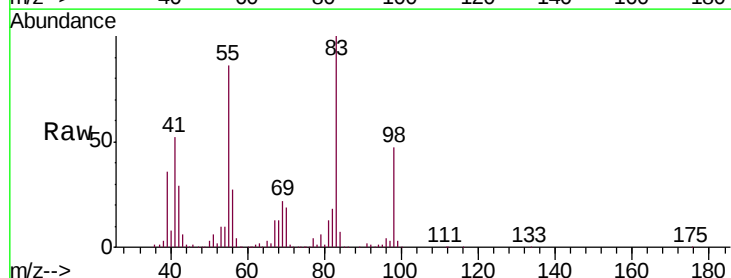
Tgt Ion: 83 Resp: 134438

Ion Ratio Lower Upper

83 100

55 86.3 69.0 103.6

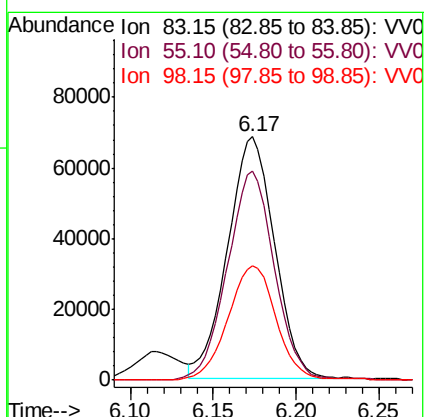
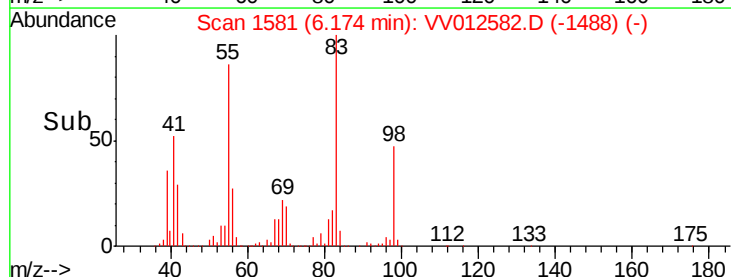
98 47.5 38.0 57.0

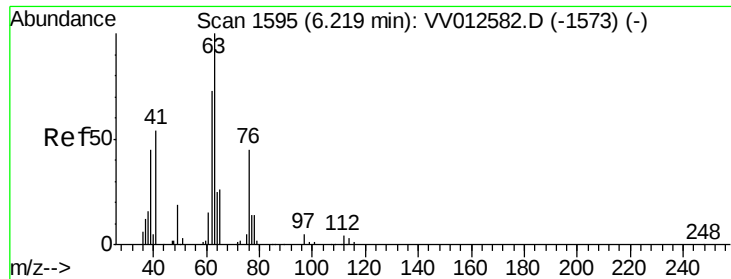


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

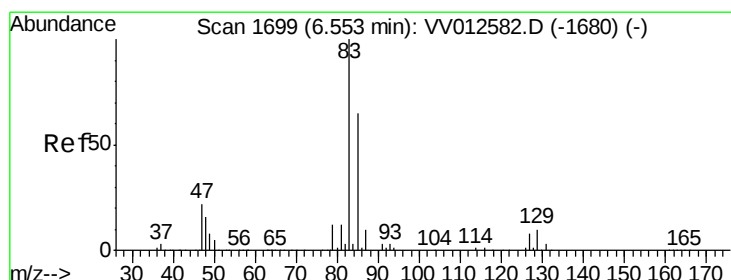
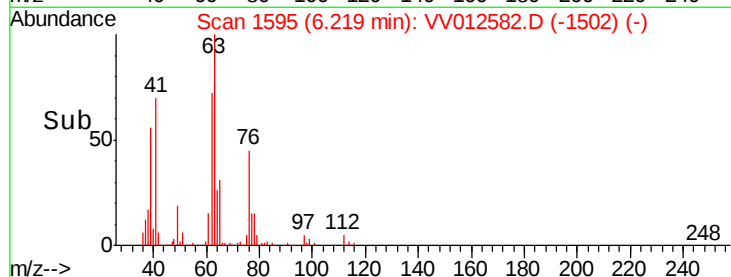
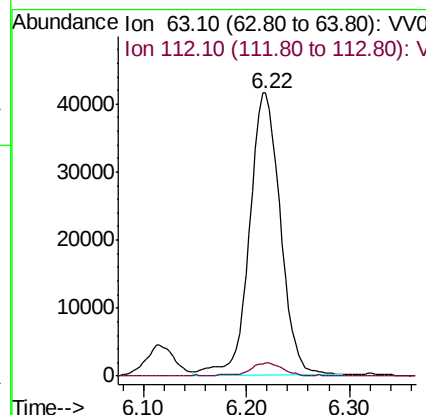
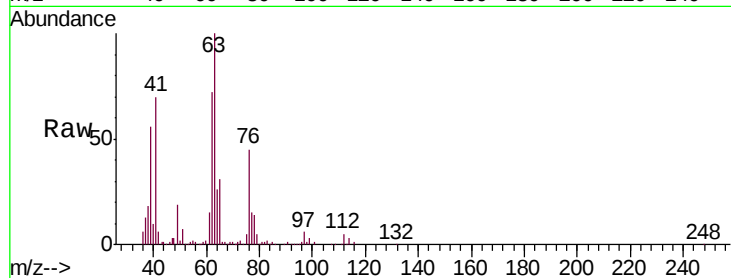




#37
 1,2-Dichloropropane
 Concen: 5.022 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

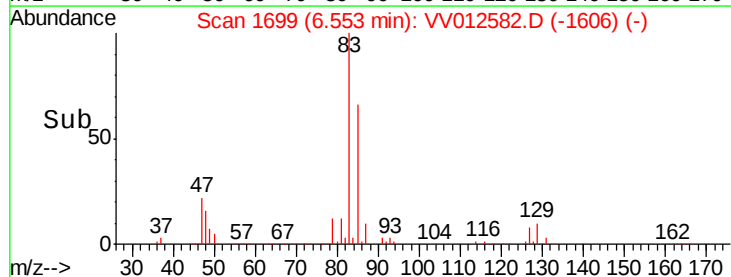
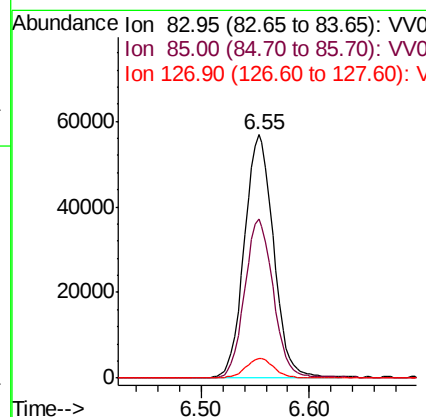
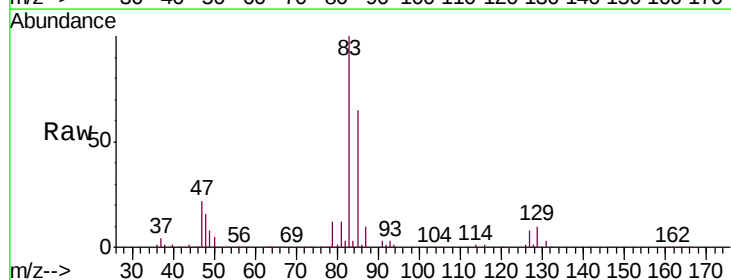
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

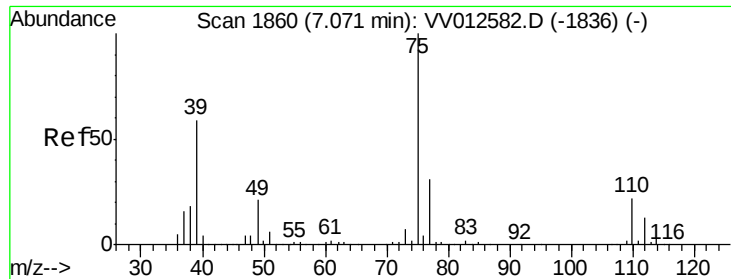
Tgt Ion: 63 Resp: 85795
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.008 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion: 83 Resp: 107462
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.6 84.8
 127 8.0 6.4 9.6

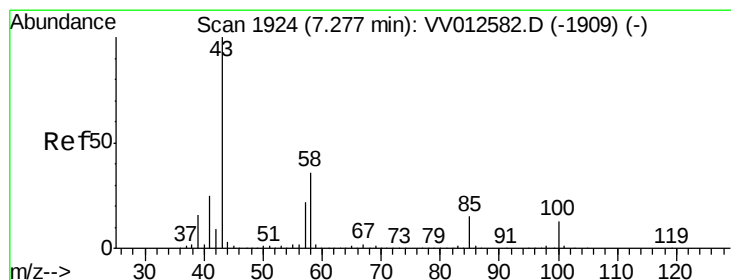
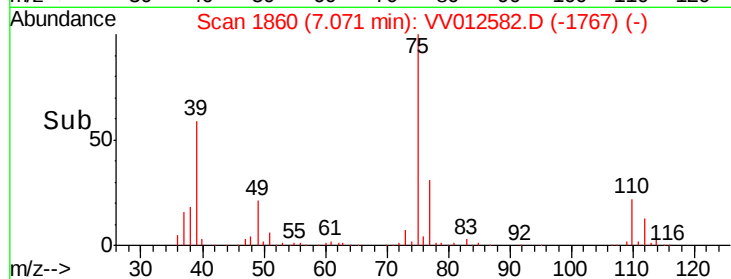
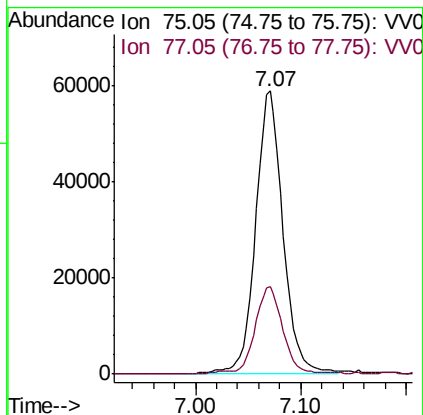
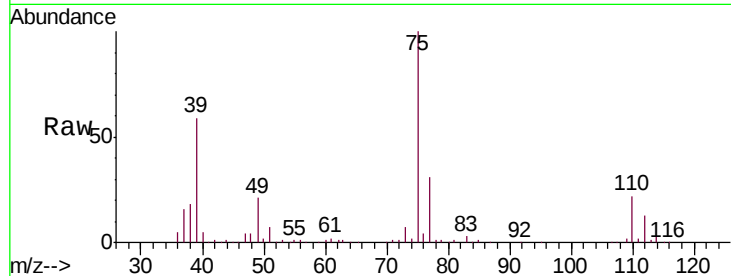




#39
 cis-1,3-Dichloropropene
 Concen: 4.912 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

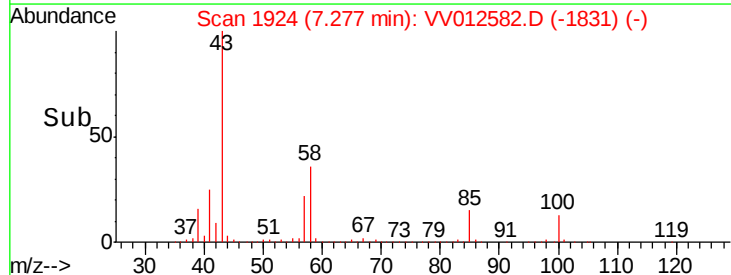
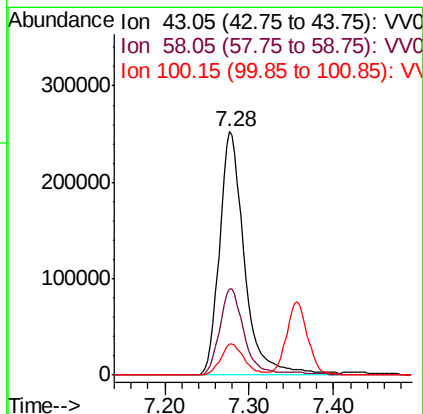
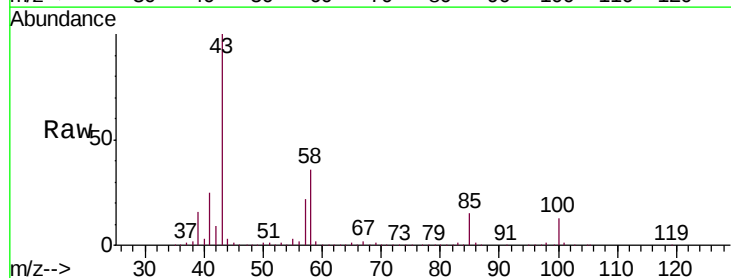
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

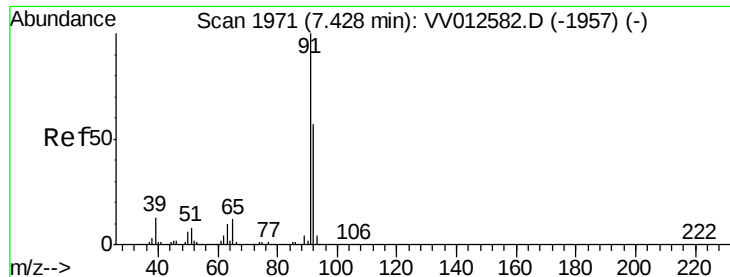
Tgt Ion: 75 Resp: 107060
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 53.058 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion: 43 Resp: 520137
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.4 42.6
 100 12.2 9.8 14.6





#42

Toluene

Concen: 5.297 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

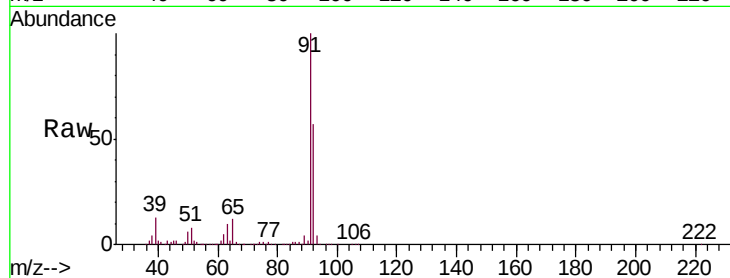
VSTD00533

Tgt Ion: 91 Resp: 366944

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VV012582.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012582.D (-1957) (-)

7.43

250000

200000

150000

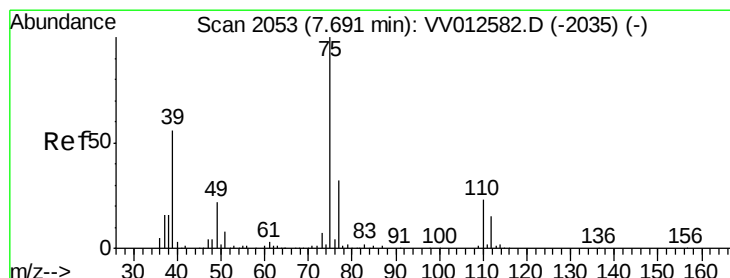
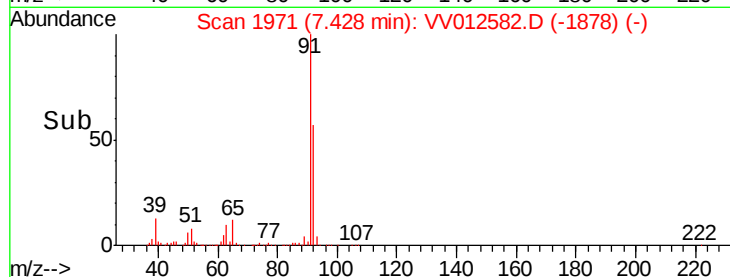
100000

50000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.965 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012582.D

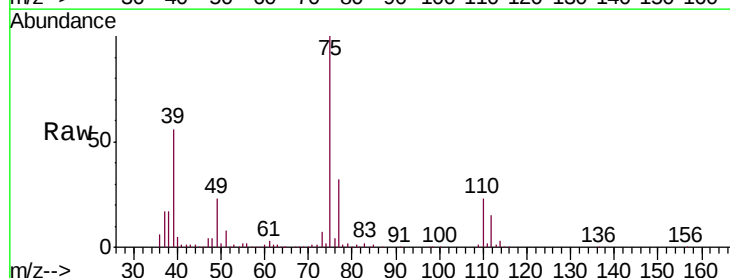
Acq: 05 Sep 2019 13:44

Tgt Ion: 75 Resp: 86165

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV012582.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012582.D (-2035) (-)

7.69

50000

40000

30000

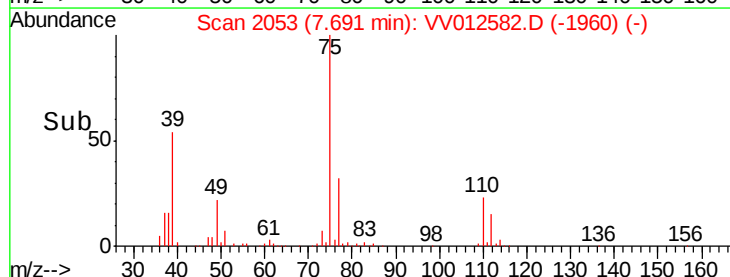
20000

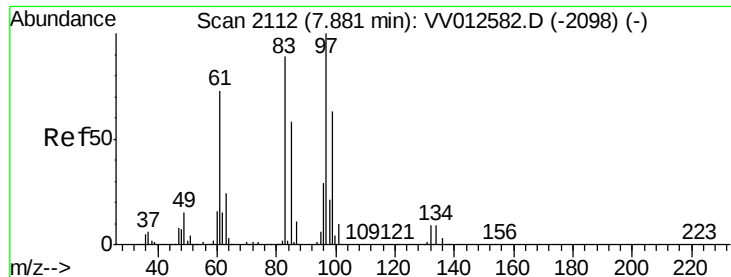
10000

0

7.60 7.70 7.80

Time-->

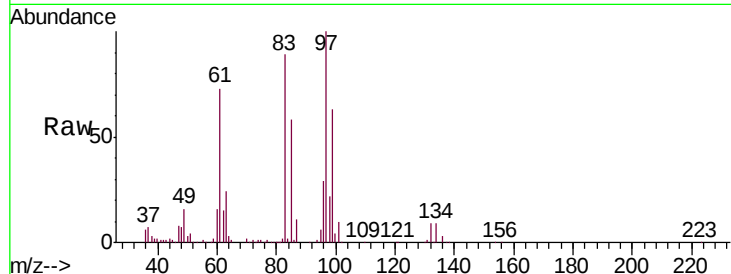




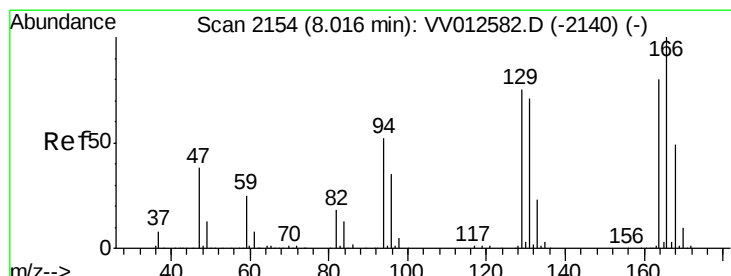
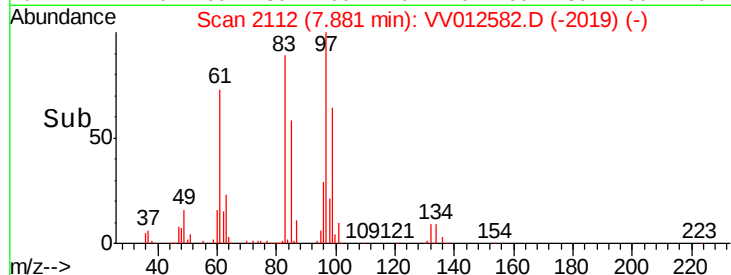
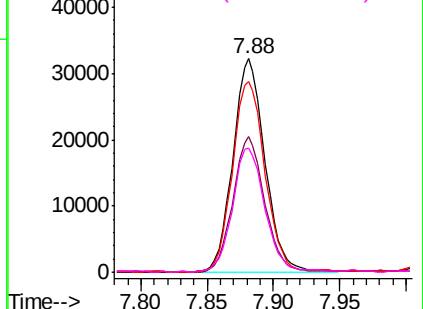
#45
 1,1,2-Trichloroethane
 Concen: 5.053 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion:	97	Resp:	54068
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.3	82.3
83	89.5	62.6	116.3
85	58.1	40.7	75.5

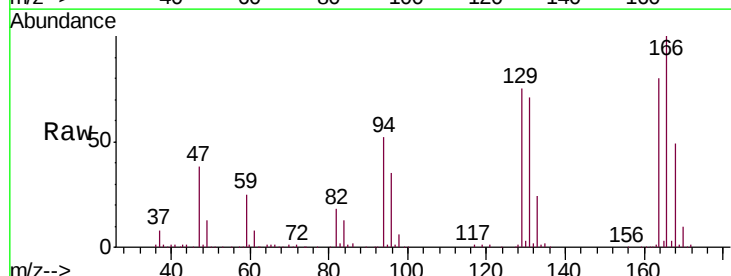


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

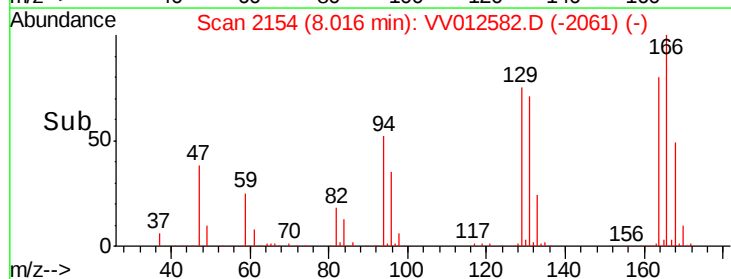
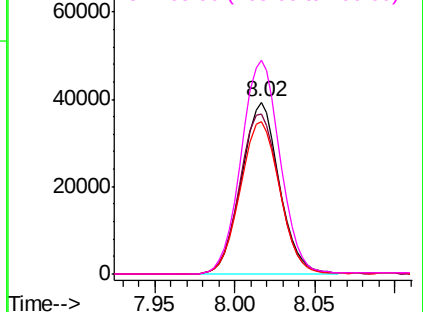


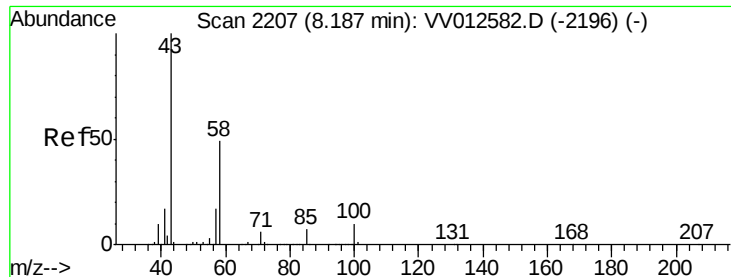
#47
 Tetrachloroethene
 Concen: 5.015 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion:	164	Resp:	63624
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.0	120.6
131	88.6	62.0	115.2
166	124.3	87.0	161.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

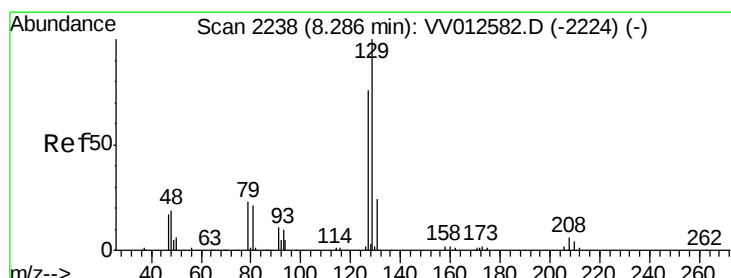
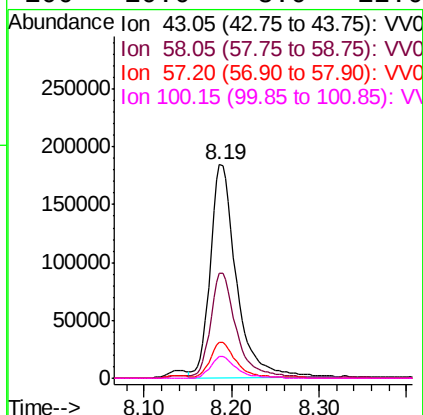
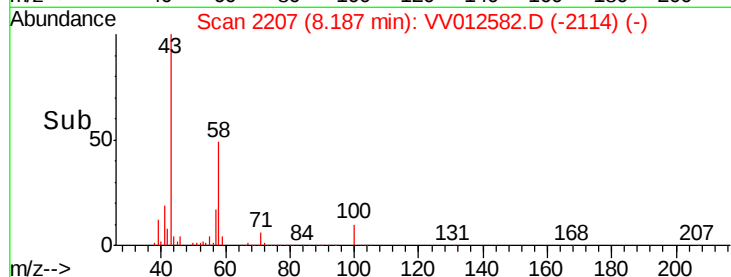
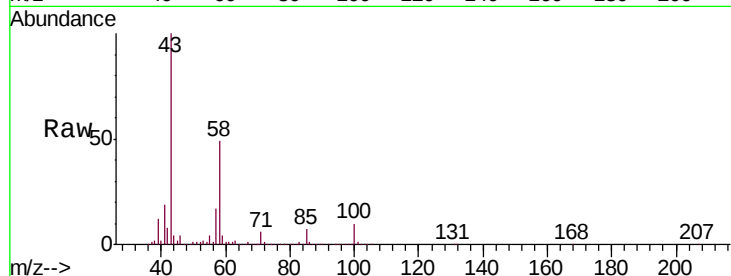




#48
2-Hexanone
Concen: 55.058 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

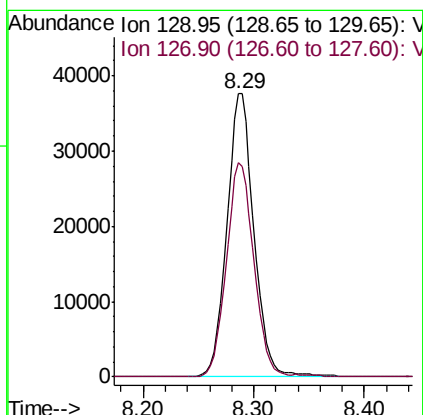
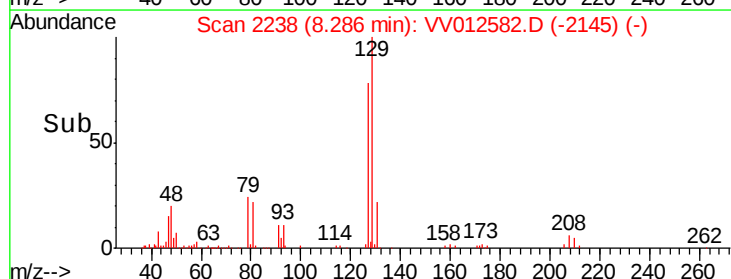
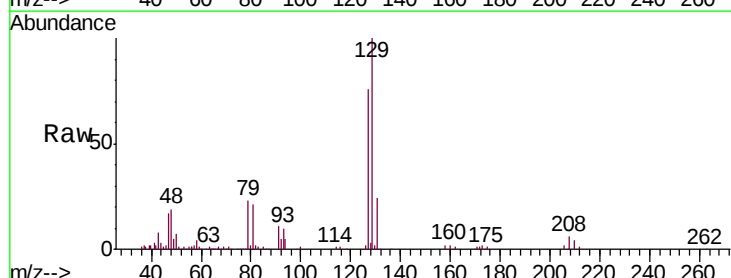
Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

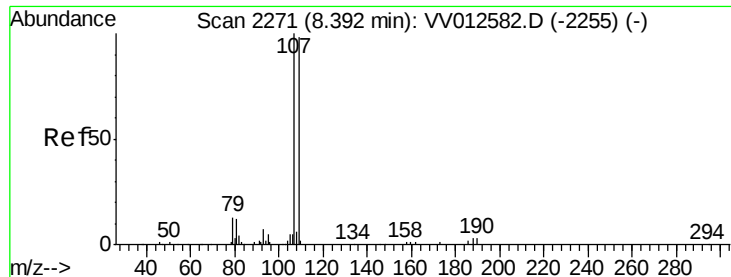
Tgt Ion: 43 Resp: 380219
Ion Ratio Lower Upper
43 100
58 49.1 39.3 58.9
57 16.1 12.9 19.3
100 10.0 8.0 12.0



#49
Dibromochloromethane
Concen: 5.078 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

Tgt Ion: 129 Resp: 63834
Ion Ratio Lower Upper
129 100
127 75.7 53.0 98.4

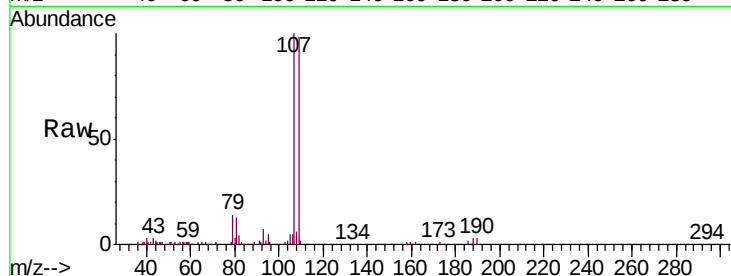




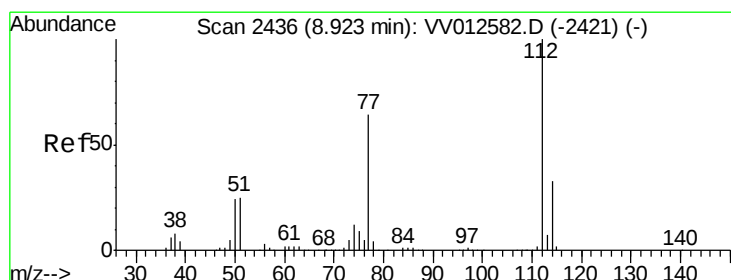
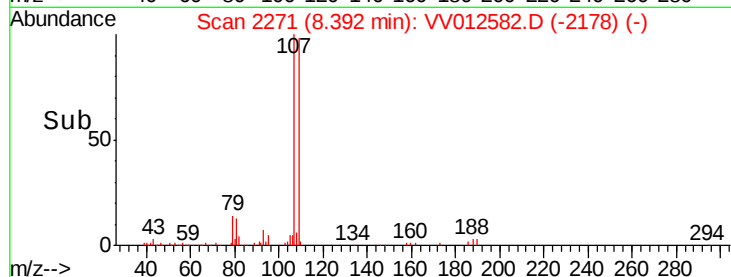
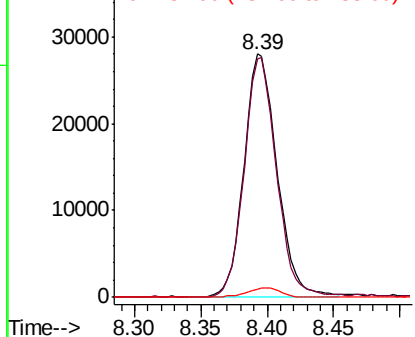
#50
1,2-Dibromoethane
Concen: 5.102 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD00533

Tgt Ion:107 Resp: 48716
Ion Ratio Lower Upper
107 100
109 97.9 68.5 127.3
188 3.2 2.6 3.8

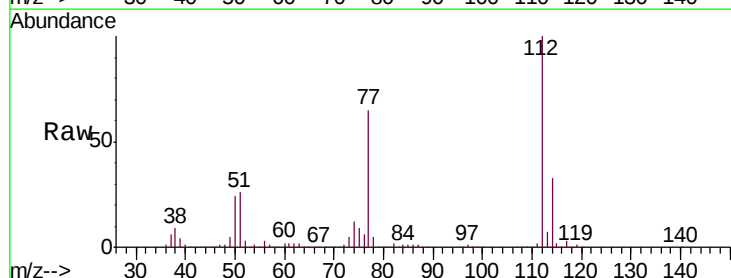


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

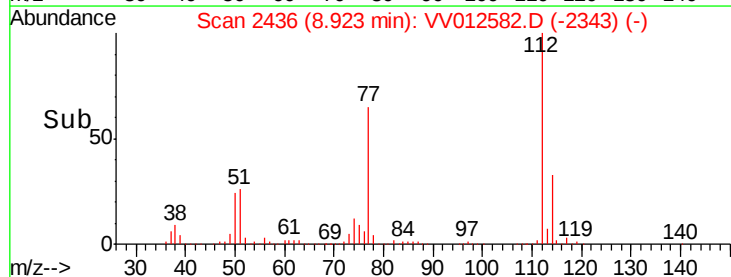
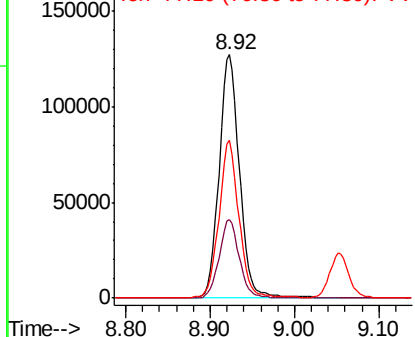


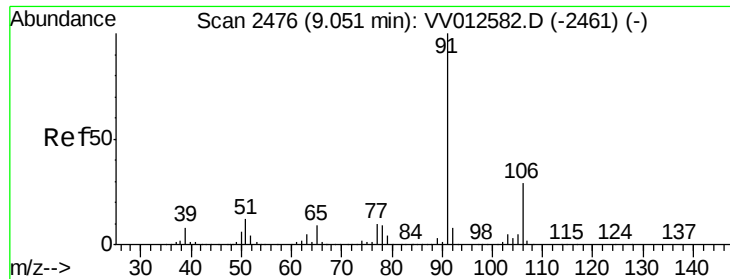
#51
Chlorobenzene
Concen: 4.944 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012582.D
Acq: 05 Sep 2019 13:44

Tgt Ion:112 Resp: 213672
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 64.6 51.7 77.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.041 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

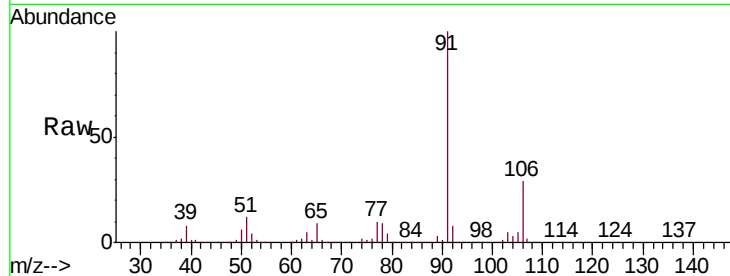
VSTD00533

Tgt Ion: 91 Resp: 376738

Ion Ratio Lower Upper

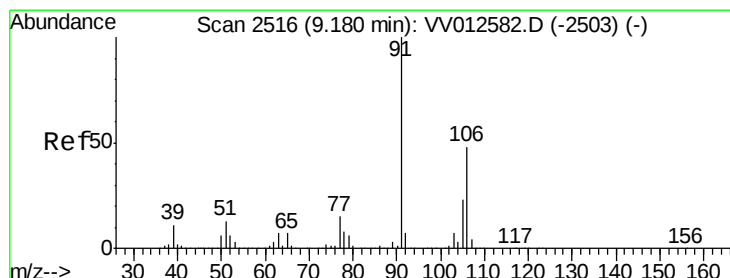
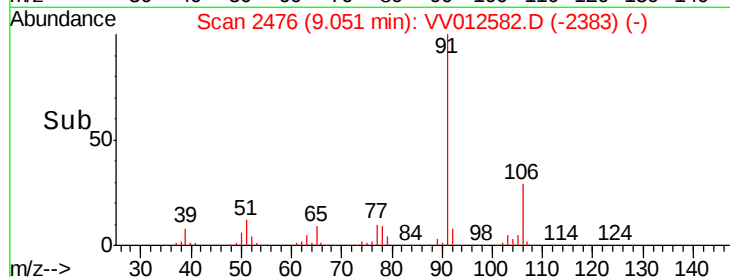
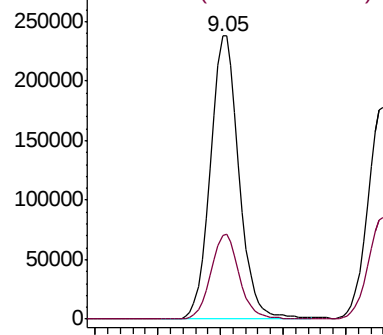
91 100

106 29.4 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.124 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012582.D

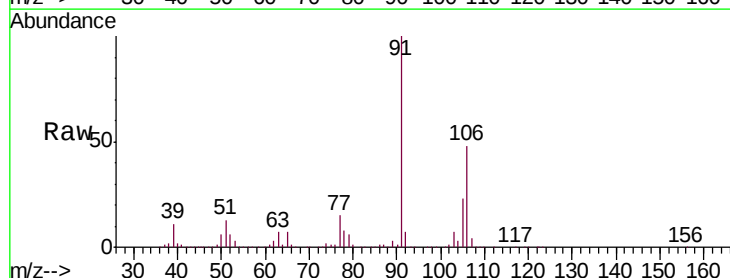
Acq: 05 Sep 2019 13:44

Tgt Ion: 106 Resp: 139459

Ion Ratio Lower Upper

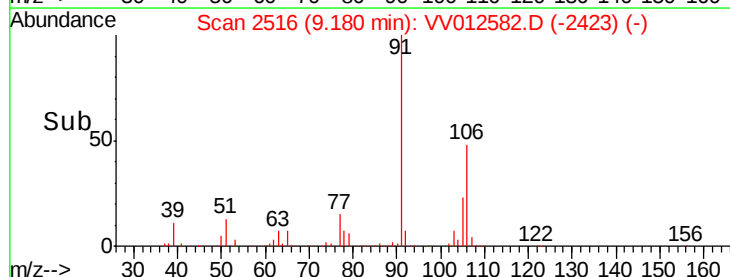
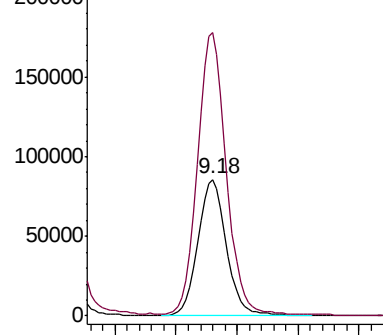
106 100

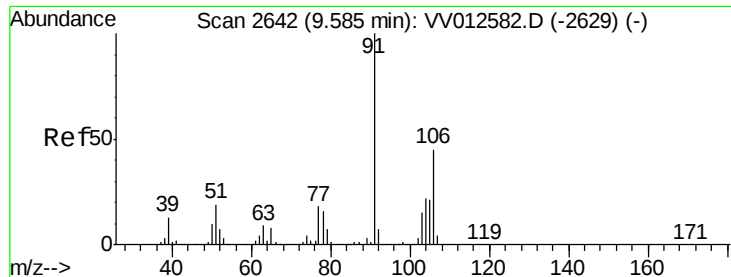
91 207.1 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.131 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

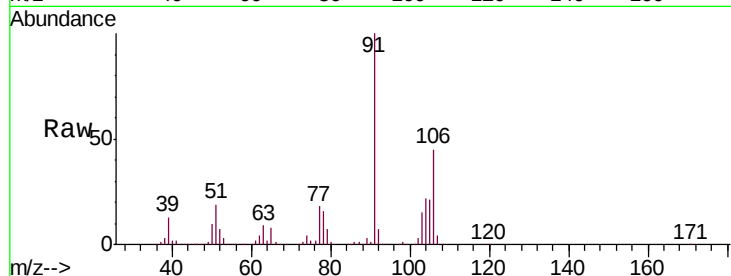
VSTD00533

Tgt Ion:106 Resp: 131395

Ion Ratio Lower Upper

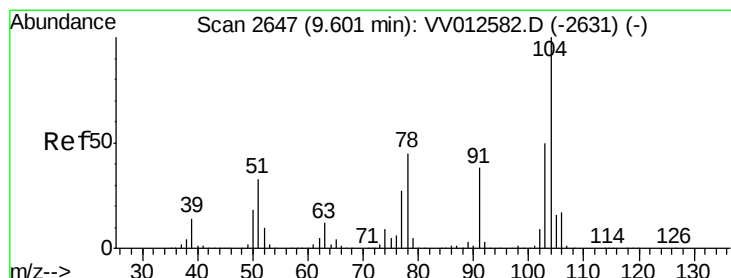
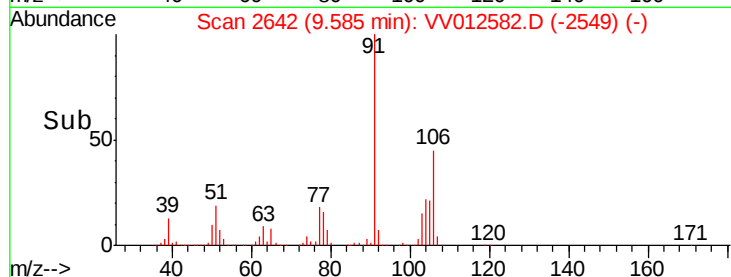
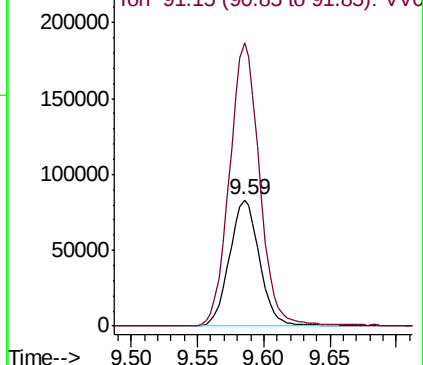
106 100

91 224.3 157.0 291.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.289 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012582.D

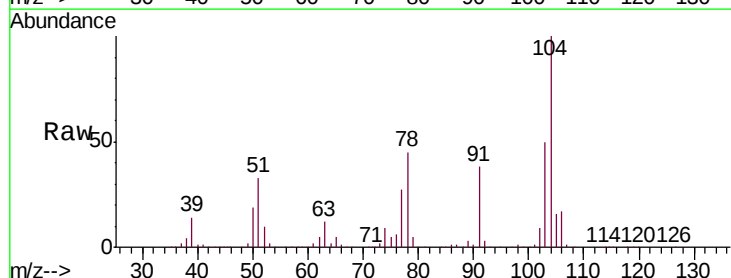
Acq: 05 Sep 2019 13:44

Tgt Ion:104 Resp: 231018

Ion Ratio Lower Upper

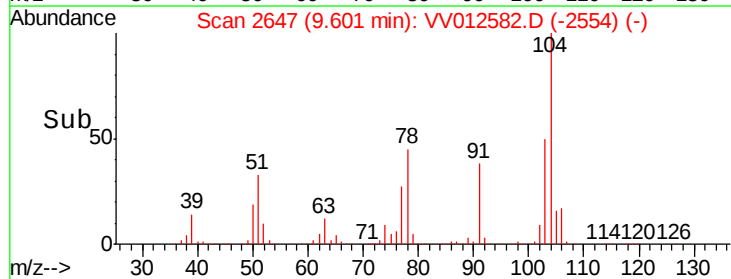
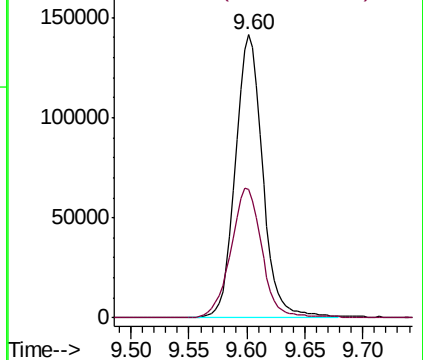
104 100

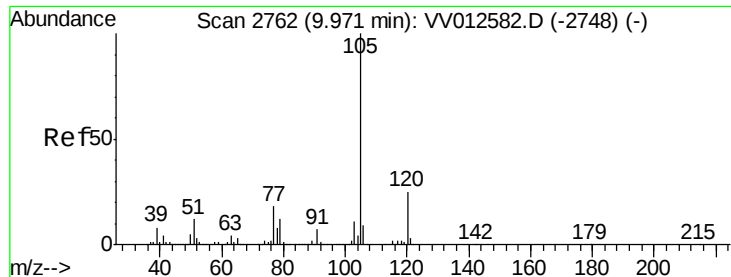
78 45.4 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.060 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

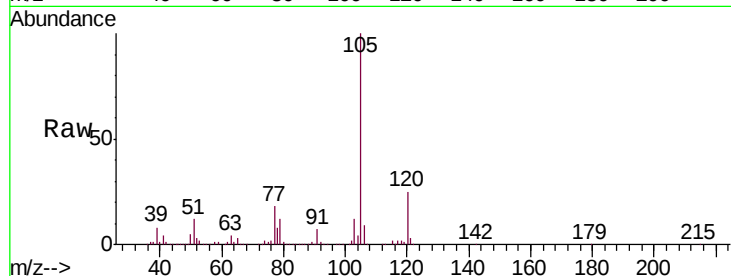
Tgt Ion: 105 Resp: 357160

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

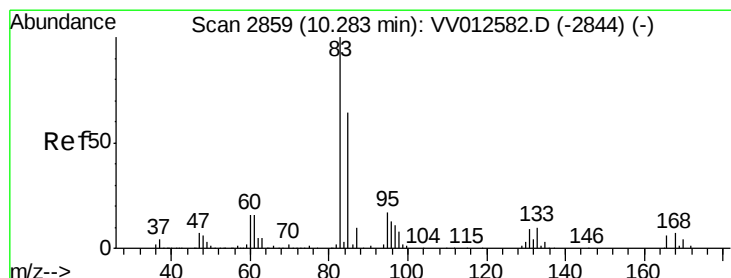
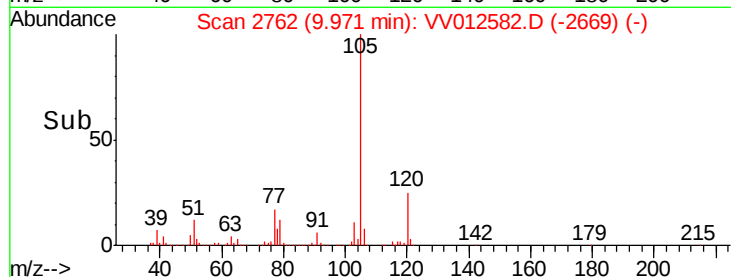
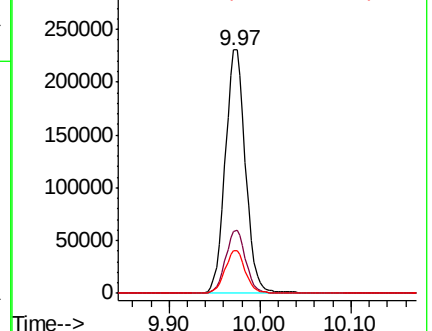
77 17.7 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.805 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

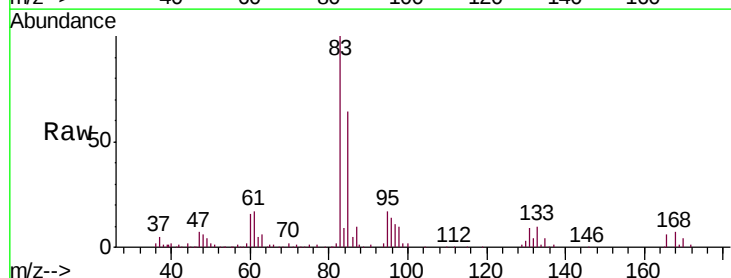
Tgt Ion: 83 Resp: 56912

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

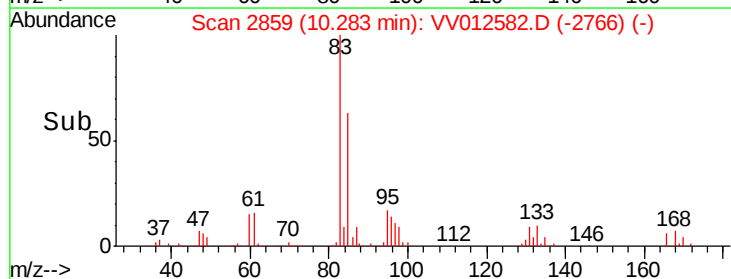
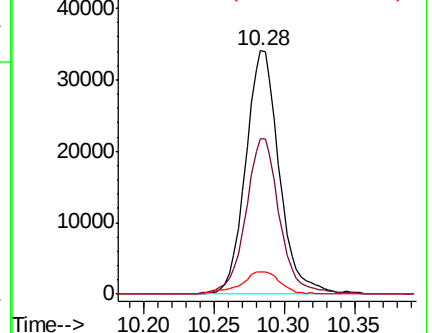
131 9.3 7.4 11.2

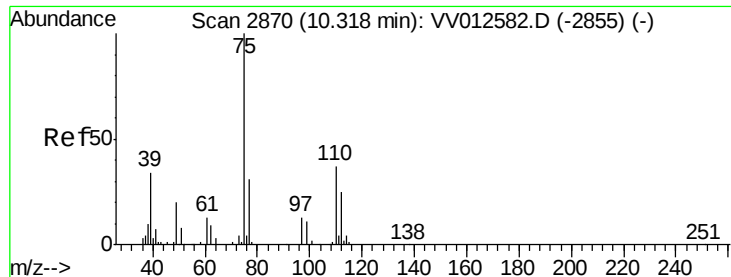


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.108 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

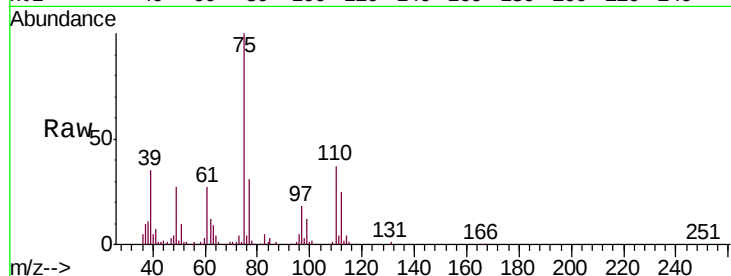
VSTD00533

Tgt Ion: 75 Resp: 48622

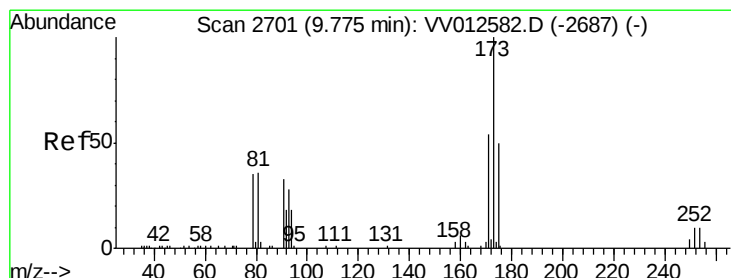
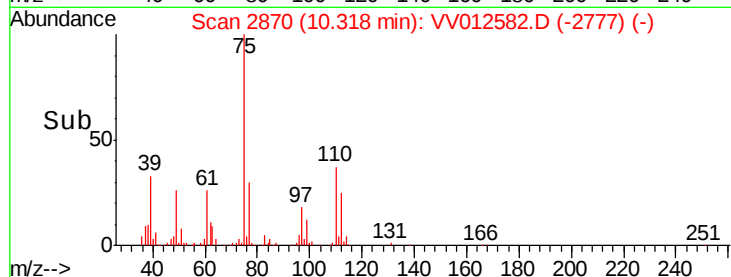
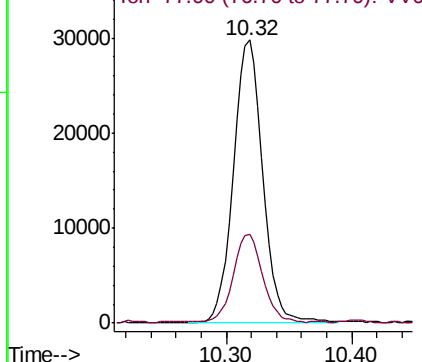
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV012582.D (-2855) (-)



#61

Bromoform

Concen: 5.015 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

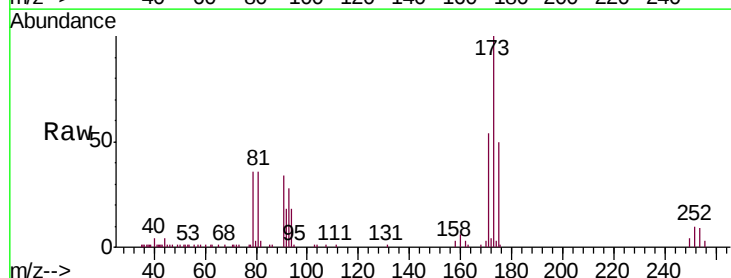
Tgt Ion: 173 Resp: 30532

Ion Ratio Lower Upper

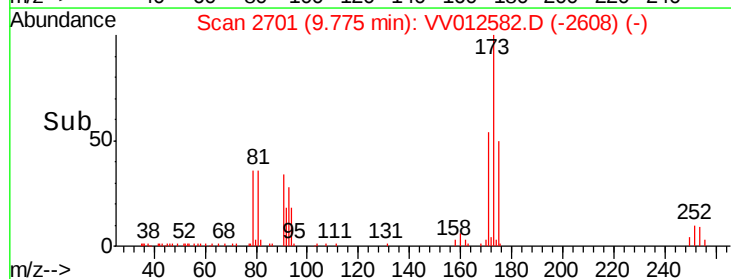
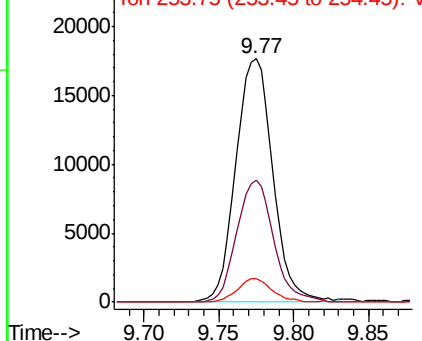
173 100

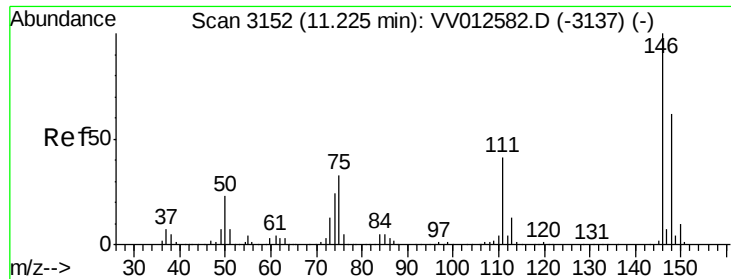
175 49.5 39.6 59.4

254 8.9 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VV012582.D (-2687) (-)





#62

1,3-Dichlorobenzene

Concen: 5.011 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

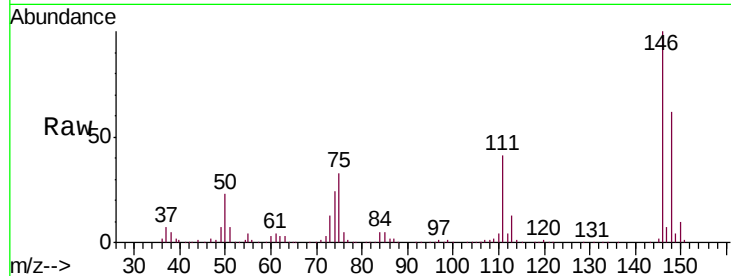
Tgt Ion:146 Resp: 161063

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

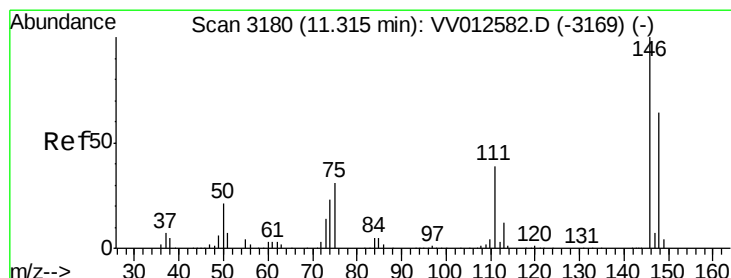
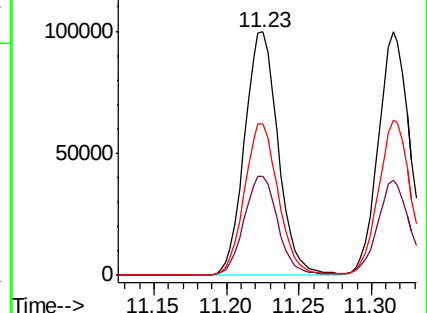
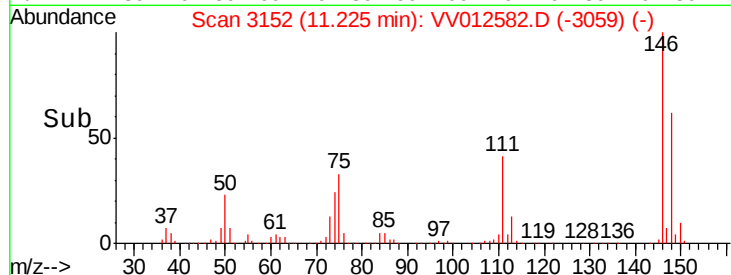
148 62.1 43.5 80.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.719 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

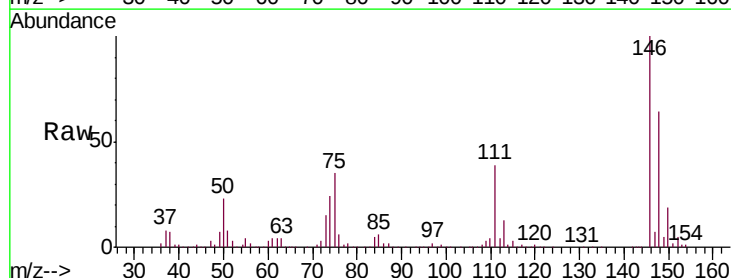
Tgt Ion:146 Resp: 155054

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

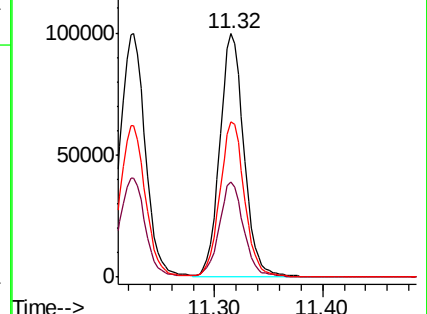
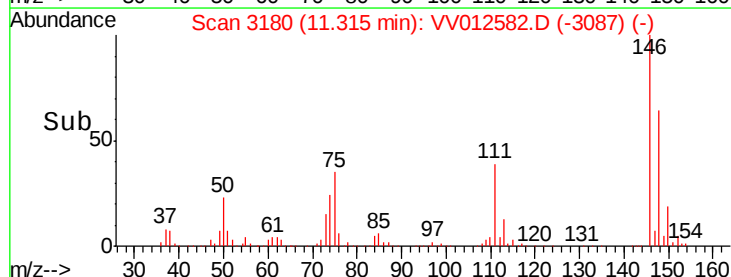
148 64.0 44.8 83.2

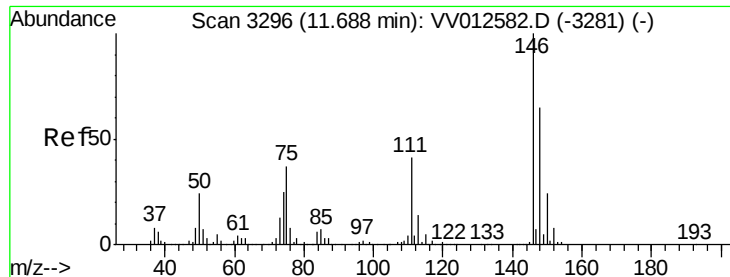


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.994 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

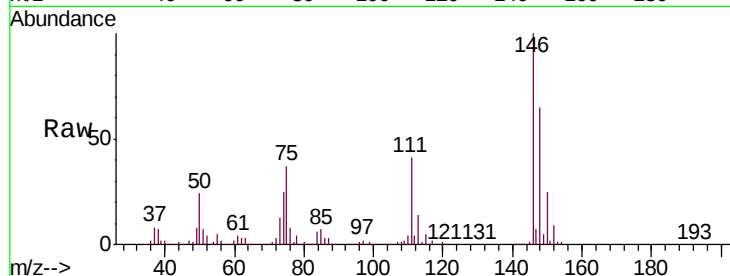
Tgt Ion:146 Resp: 147405

Ion Ratio Lower Upper

146 100

111 41.4 33.1 49.7

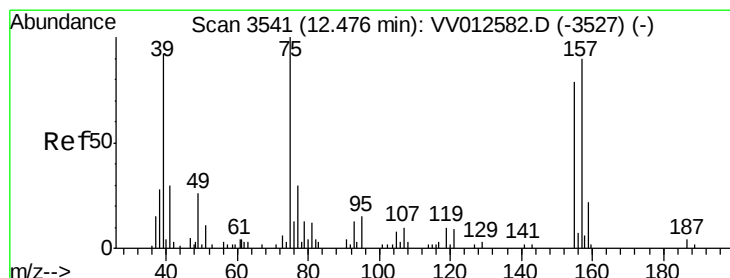
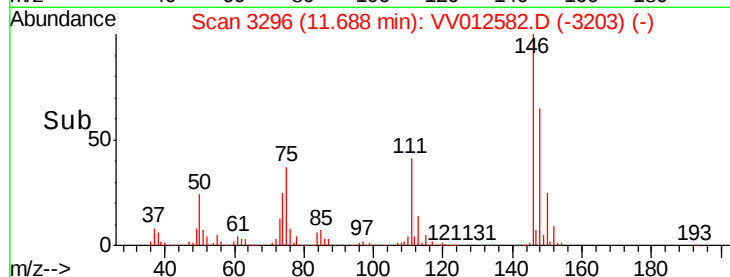
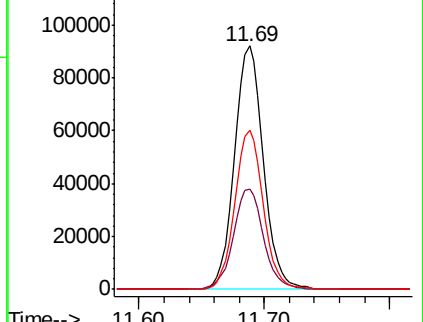
148 65.3 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.745 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

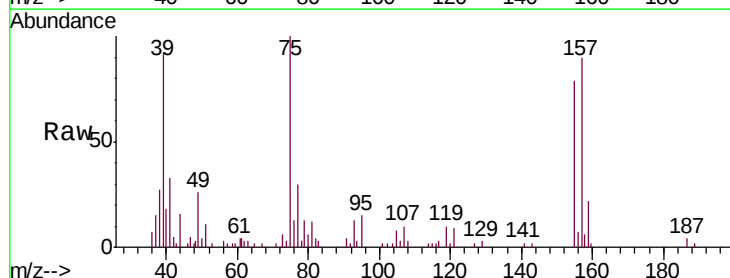
Tgt Ion: 75 Resp: 9403

Ion Ratio Lower Upper

75 100

155 78.8 63.0 94.6

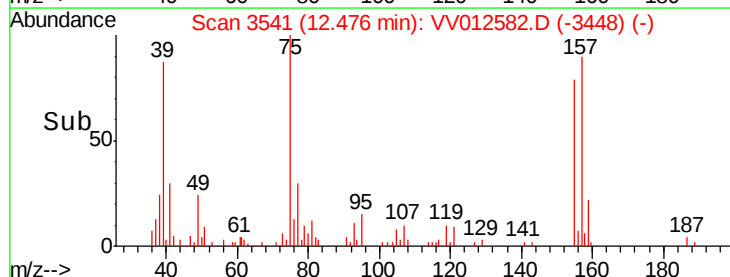
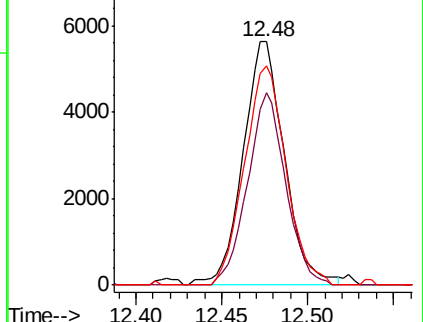
157 90.3 72.2 108.4

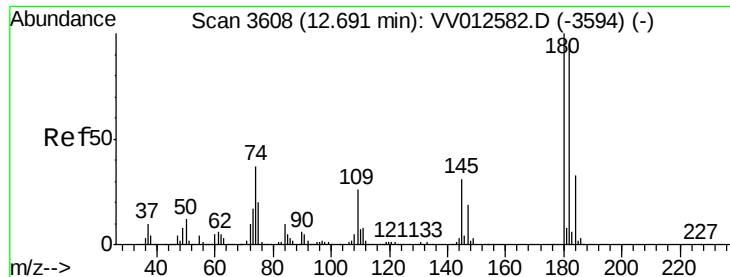


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

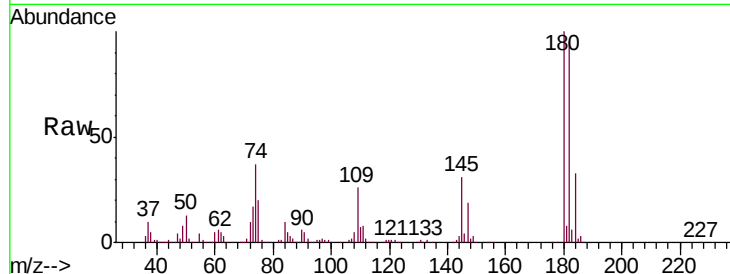




#67
 1,3,5-Trichlorobenzene
 Concen: 4.519 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00533

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
184	31.6	25.3	37.9
145	30.9	24.7	37.1



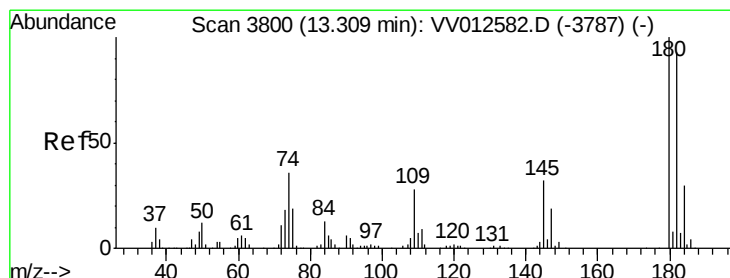
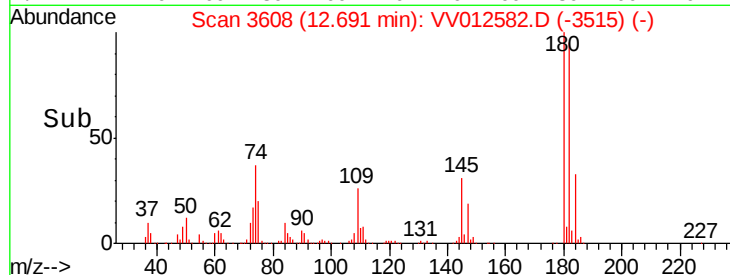
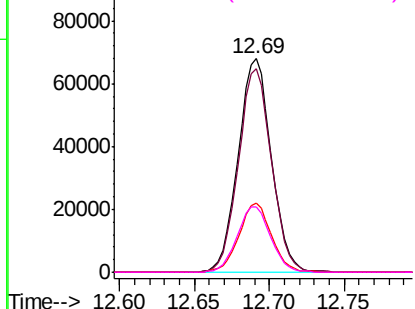
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

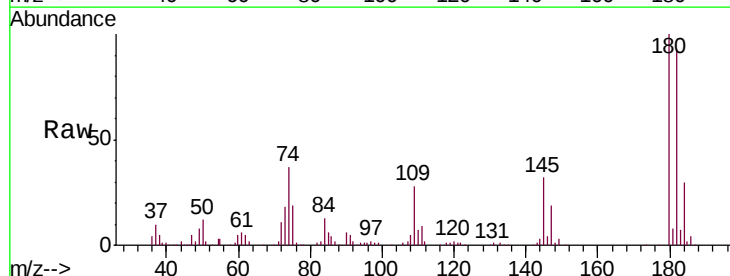
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.581 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012582.D
 Acq: 05 Sep 2019 13:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.7	112.1
145	31.1	24.9	37.3

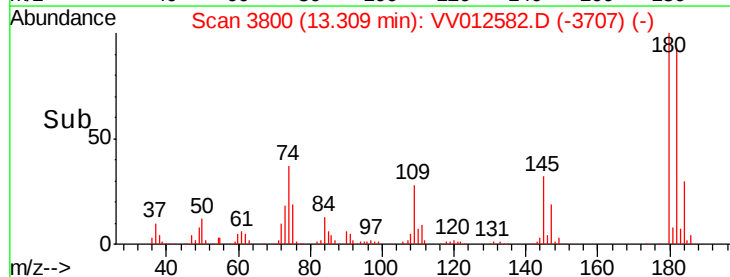
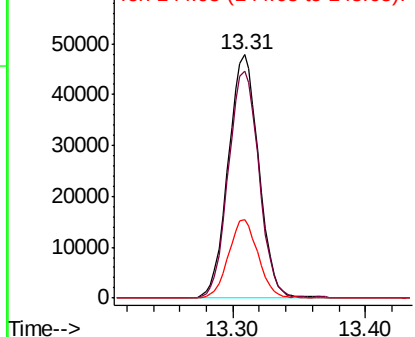


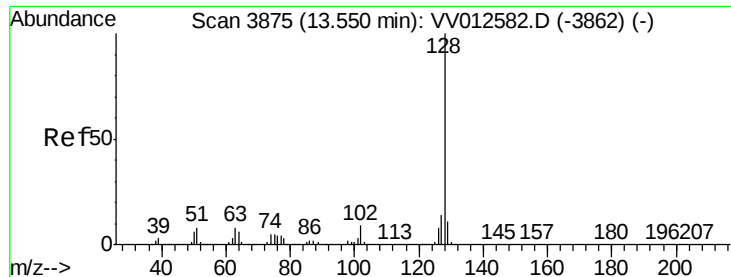
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.287 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00533

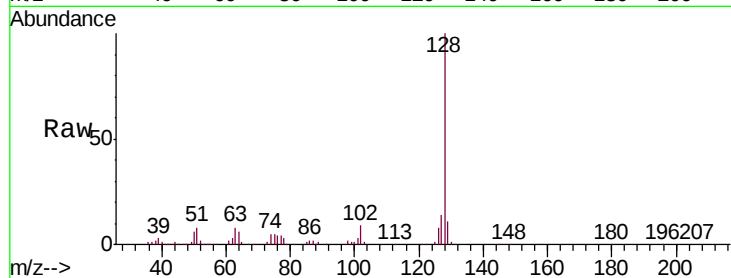
Tgt Ion:128 Resp: 105359

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

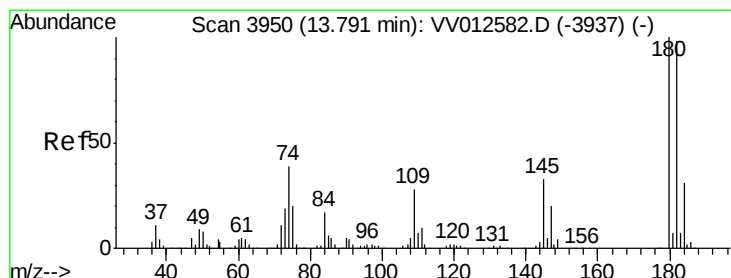
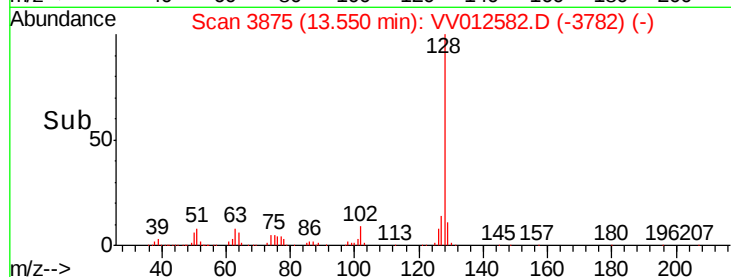
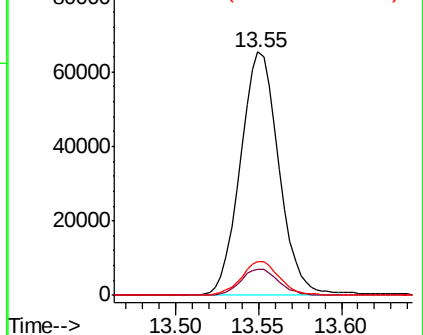
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.842 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012582.D

Acq: 05 Sep 2019 13:44

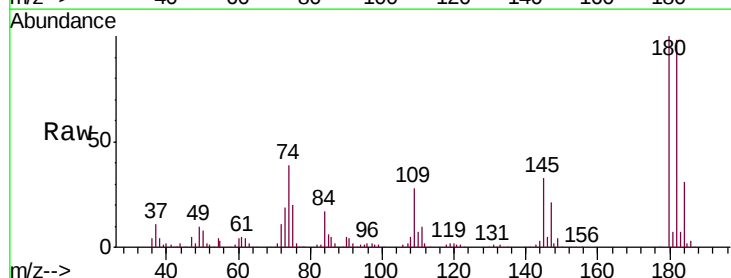
Tgt Ion:180 Resp: 74054

Ion Ratio Lower Upper

180 100

182 97.2 77.8 116.6

145 33.5 26.8 40.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

