

Data File : VV012158.D
Acq On : 09 Aug 2019 17:56
Operator : SY/MD
Sample : VSTD05066
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Quant Time: Aug 10 04:51:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:48:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	299830	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	276022	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	144858	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55833	21.00	ug/L	0.00
7) Chloroethane-d5	1.57	69	36668	12.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	110025	14.34	ug/L	0.00
21) 2-Butanone-d5	3.92	46	58767	48.84	ug/L	0.00
24) Chloroform-d	4.40	84	115024	29.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	66480	26.13	ug/L	0.00
32) Benzene-d6	5.10	84	222706	32.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	59568	28.64	ug/L	0.00
41) Toluene-d8	7.36	98	211765	31.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	31645	32.45	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	48070	56.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	82684	24.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	84187	27.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	129693	49.089	ug/L	100
3) Chloromethane	1.25	50	94539	35.742	ug/L	100
5) Vinyl chloride	1.32	62	88269	25.375	ug/L	100
6) Bromomethane	1.52	94	51180	17.774	ug/L	100
8) Chloroethane	1.59	64	47178	17.746	ug/L	100
9) Trichlorofluoromethane	1.77	101	148717	20.273	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70500	17.678	ug/L	100
12) 1,1-Dichloroethene	2.14	96	65570	18.522	ug/L	100
13) Acetone	2.18	43	91007	59.108	ug/L	100
14) Carbon disulfide	2.32	76	231998	43.872	ug/L	100
15) Methyl Acetate	2.45	43	87300	42.649	ug/L	100
16) Methylene chloride	2.53	84	96615	42.898	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	94540	44.993	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	306647	48.110	ug/L	100
19) 1,1-Dichloroethane	3.23	63	164270	43.332	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	106969	45.621	ug/L	100
22) 2-Butanone	4.01	43	128315	83.217	ug/L	100
23) Bromochloromethane	4.30	128	60240	50.396	ug/L	100
25) Chloroform	4.42	83	183926	44.369	ug/L	100
27) 1,2-Dichloroethane	5.18	62	145897	43.250	ug/L	100
29) Cyclohexane	4.72	56	139626	46.645	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	173571	55.257	ug/L	100
31) Carbon tetrachloride	4.87	117	161921	58.635	ug/L	100
33) Benzene	5.14	78	379970	47.372	ug/L	100
34) Trichloroethene	5.96	95	103498	51.050	ug/L	100
35) Methylcyclohexane	6.18	83	159472	47.815	ug/L	100
37) 1,2-Dichloropropane	6.22	63	91503	44.765	ug/L	100
38) Bromodichloromethane	6.55	83	139557	52.492	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	159463	53.160	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	237933	86.604	ug/L	100

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QLast Update : Sat Aug 10 04:48:14 2019
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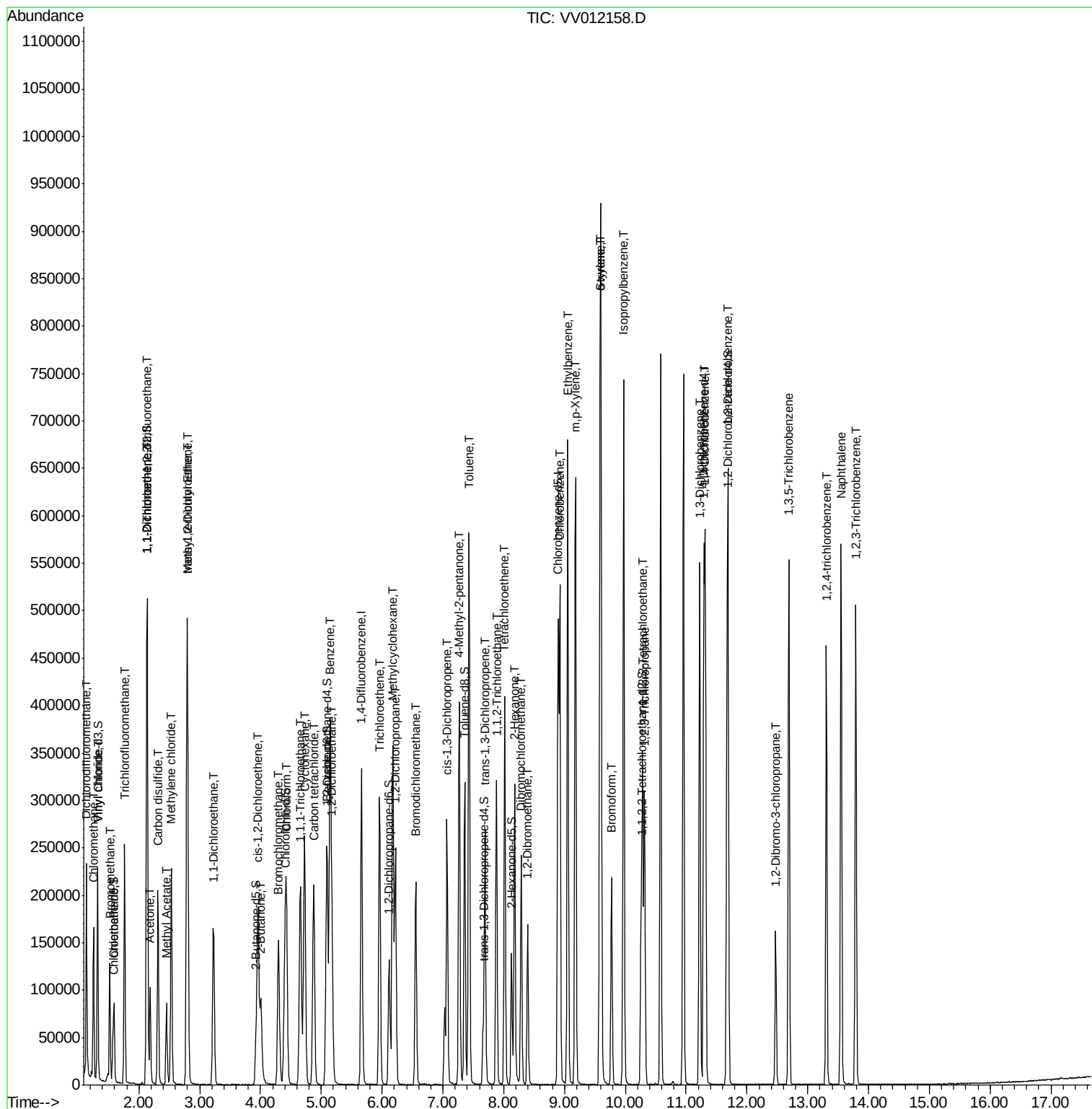
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	422981	46.403	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	144877	51.712	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	100309	49.315	ug/L	100
46) Tetrachloroethene	8.02	164	97231	56.906	ug/L	100
48) 2-Hexanone	8.18	43	181982	88.631	ug/L	100
49) Dibromochloromethane	8.29	129	127459	57.192	ug/L	100
50) 1,2-Dibromoethane	8.39	107	109280	50.344	ug/L	100
51) Chlorobenzene	8.92	112	284132	46.648	ug/L	100
52) Ethylbenzene	9.05	91	471111	45.778	ug/L	100
53) m,p-Xylene	9.18	106	183471	45.658	ug/L	100
54) o-xylene	9.59	106	184781	45.263	ug/L	100
55) Styrene	9.60	104	309796	45.688	ug/L	100
56) Isopropylbenzene	9.97	105	486120	46.378	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	153426	42.587	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	119215	43.306	ug/L	100
61) Bromoform	9.78	173	101987	59.108	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	235848	47.237	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	230515	44.592	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	240747	45.994	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	37090	53.725	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	181510	52.479	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	153678	54.813	ug/L	100
69) Naphthalene	13.55	128	453453	60.685	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	162317	57.166	ug/L	100

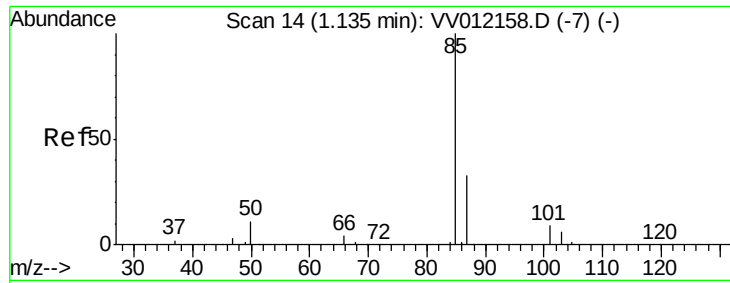
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.089 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

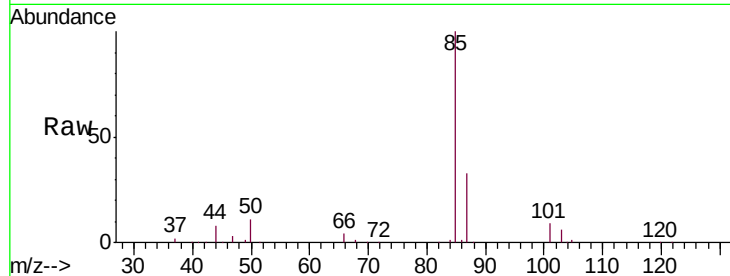
VSTD05066

Tgt Ion: 85 Resp: 129693

Ion Ratio Lower Upper

85 100

87 33.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV012158.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012158.D (-7) (-)

1.14

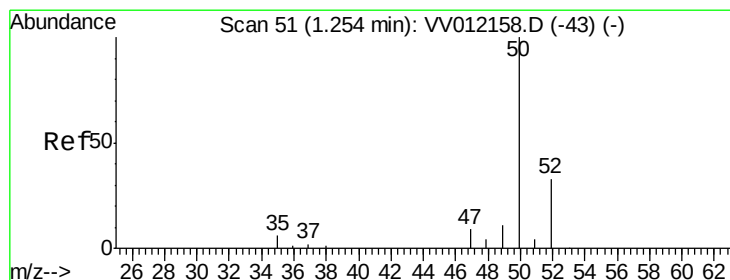
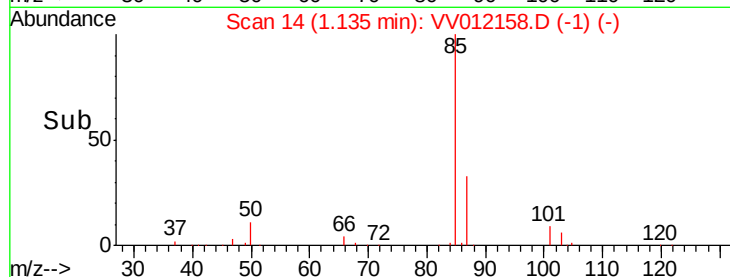
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 35.742 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012158.D

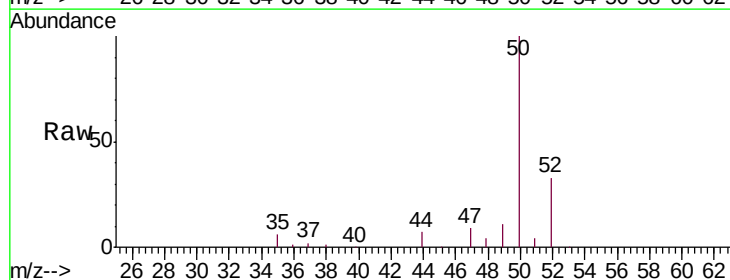
Acq: 09 Aug 2019 17:56

Tgt Ion: 50 Resp: 94539

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV012158.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV012158.D (-43) (-)

1.25

100000

80000

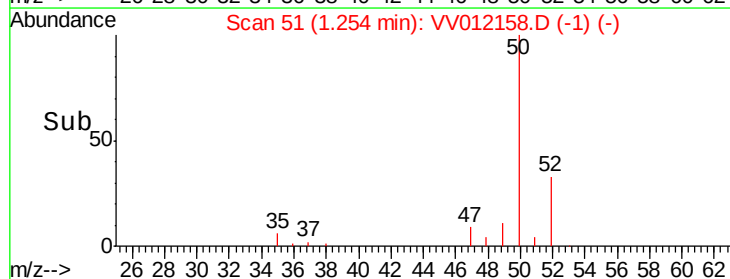
60000

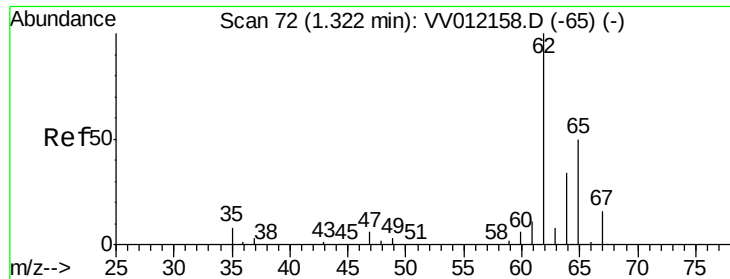
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 25.375 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

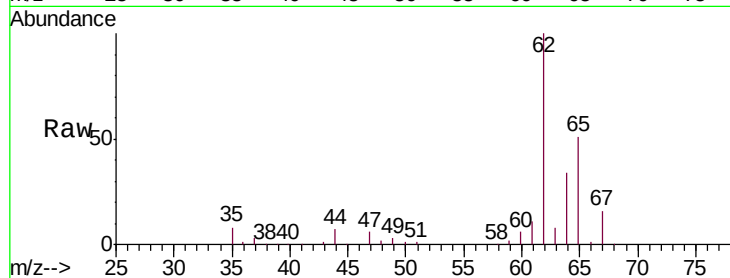
VSTD05066

Tgt Ion: 62 Resp: 88269

Ion Ratio Lower Upper

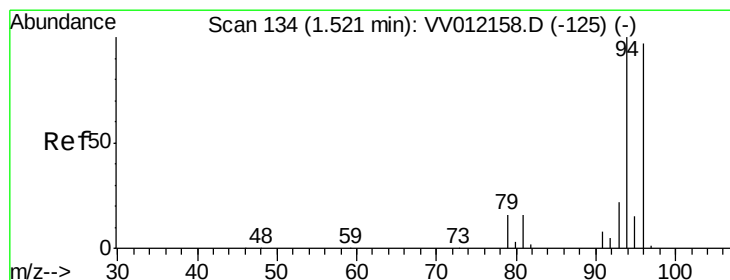
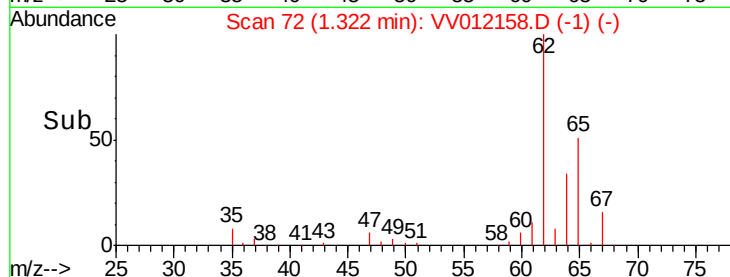
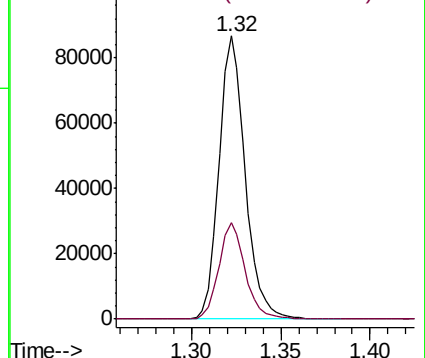
62 100

64 33.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 17.774 ug/L

RT: 1.52 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV012158.D

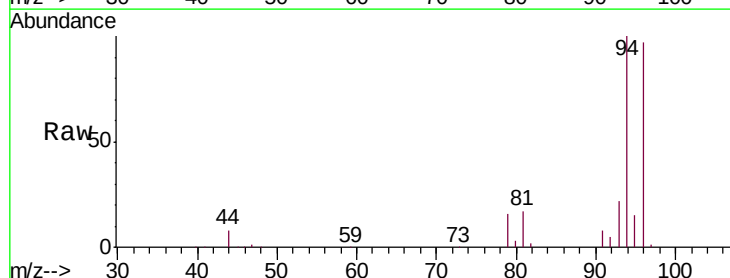
Acq: 09 Aug 2019 17:56

Tgt Ion: 94 Resp: 51180

Ion Ratio Lower Upper

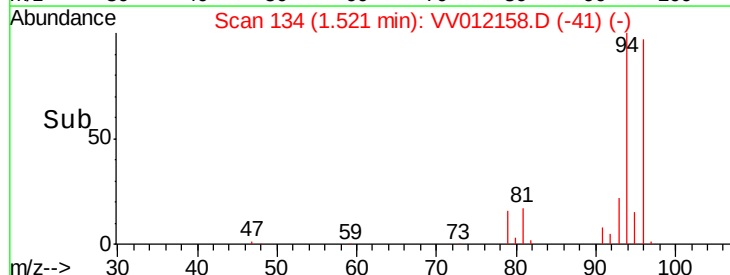
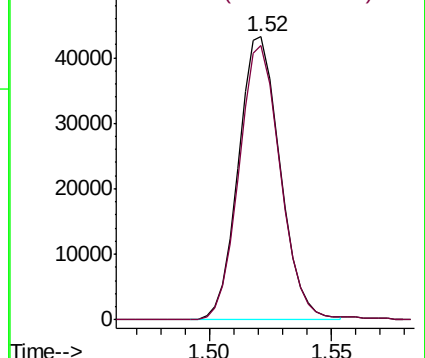
94 100

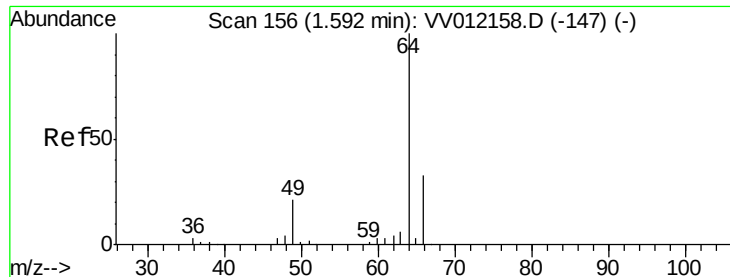
96 97.0 67.9 126.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 17.746 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

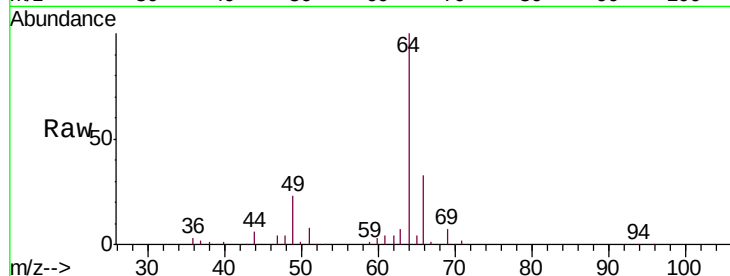
VSTD05066

Tgt Ion: 64 Resp: 47178

Ion Ratio Lower Upper

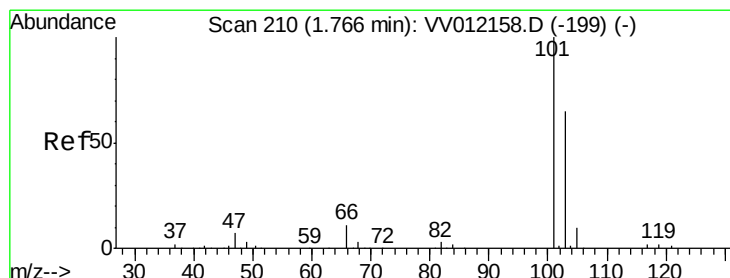
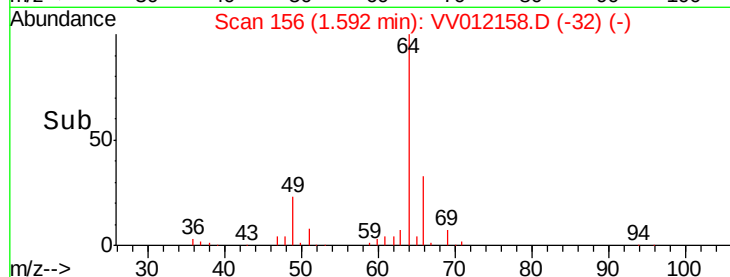
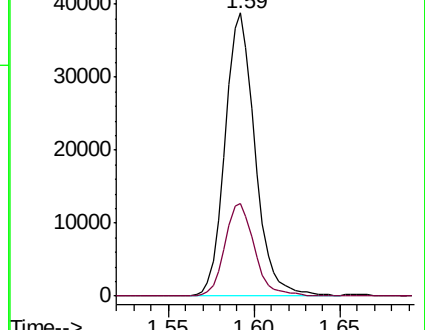
64 100

66 32.7 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV012158.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV012158.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 20.273 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV012158.D

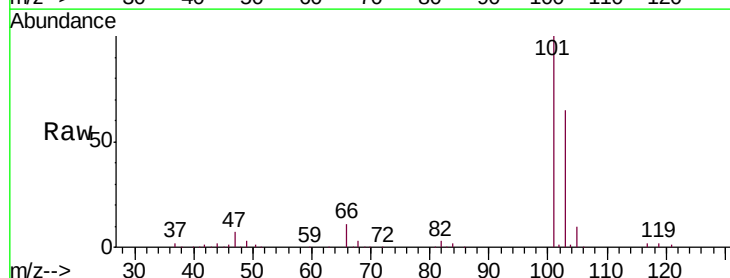
Acq: 09 Aug 2019 17:56

Tgt Ion: 101 Resp: 148717

Ion Ratio Lower Upper

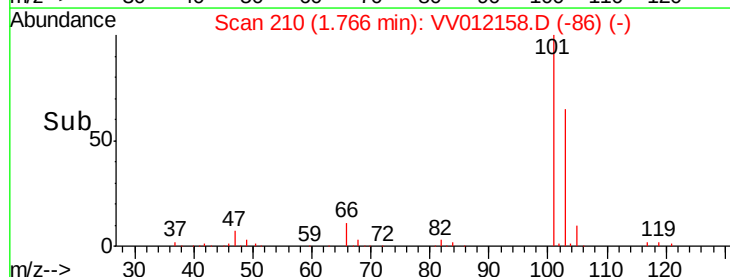
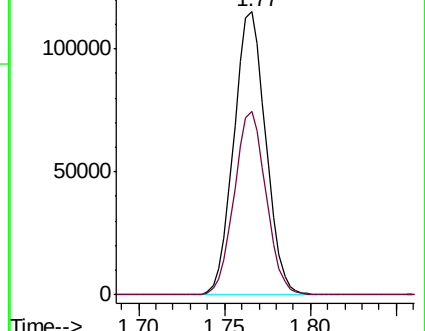
101 100

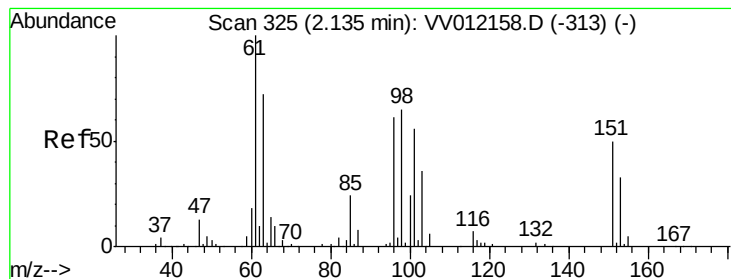
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012158.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012158.D (-199) (-)





#10

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

Concen: 17.678 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

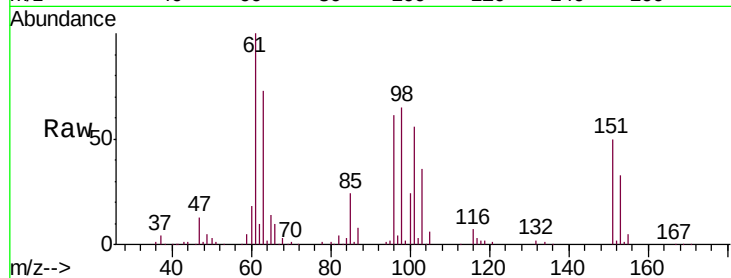
Tgt Ion: 101 Resp: 70500

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

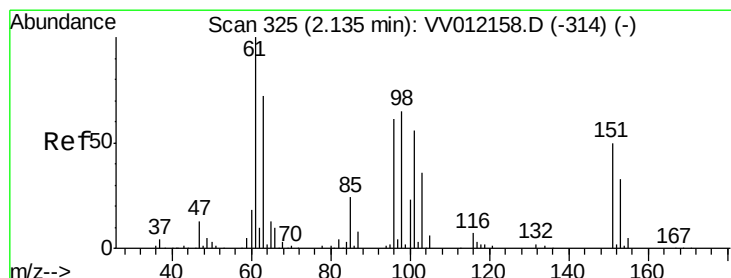
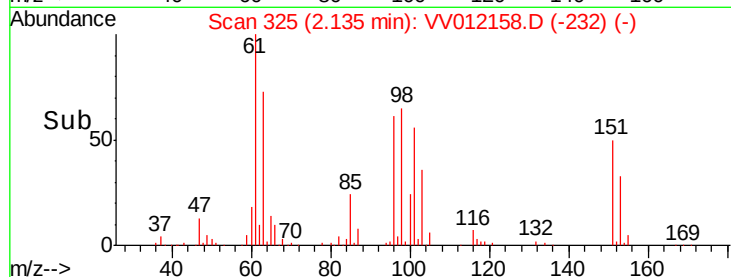
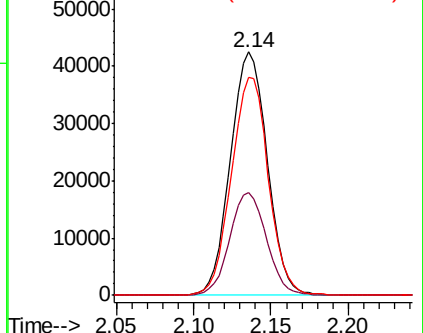
151 89.8 71.8 107.8



Abundance Ion 101.00 (100.70 to 101.70): VV012158.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012158.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012158.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 18.522 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

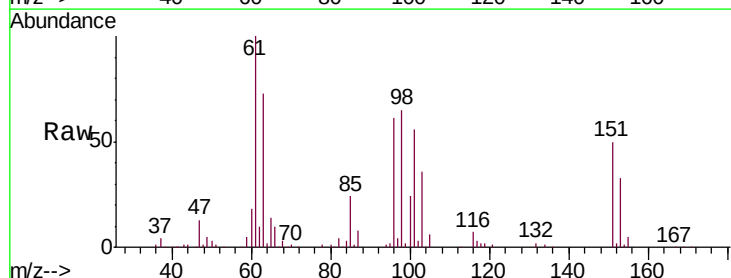
Tgt Ion: 96 Resp: 65570

Ion Ratio Lower Upper

96 100

61 164.5 115.1 213.8

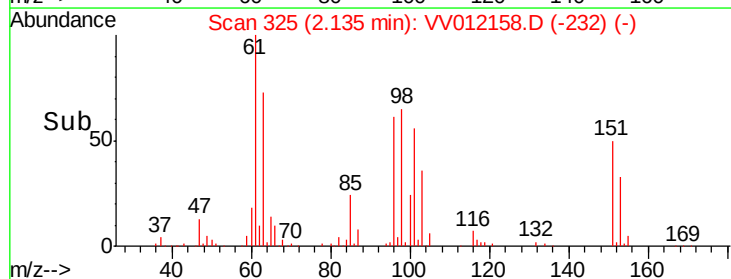
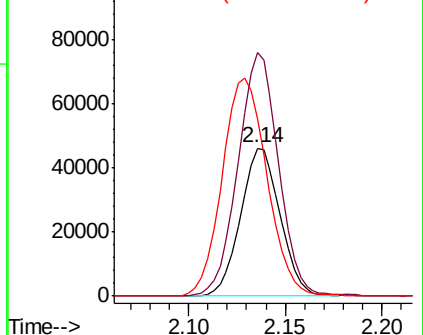
63 119.8 83.9 155.7

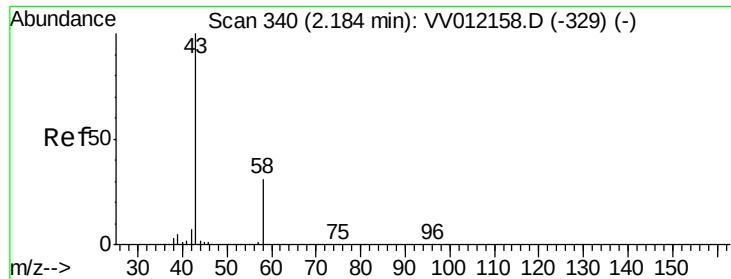


Abundance Ion 96.00 (95.70 to 96.70): VV012158.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV012158.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV012158.D (-314) (-)





#13

Acetone

Concen: 59.108 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

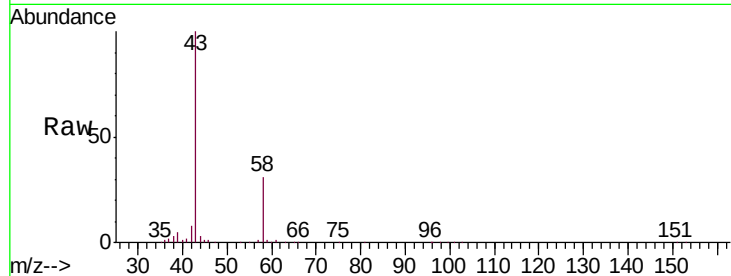
VSTD05066

Tgt Ion: 43 Resp: 91007

Ion Ratio Lower Upper

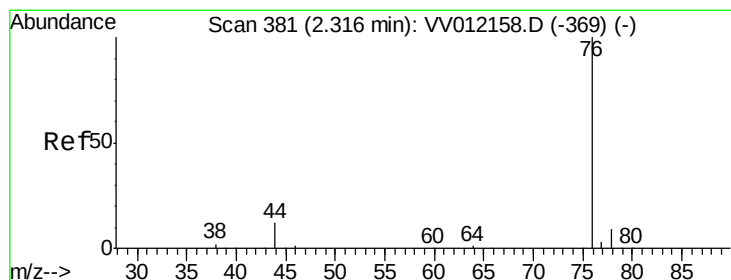
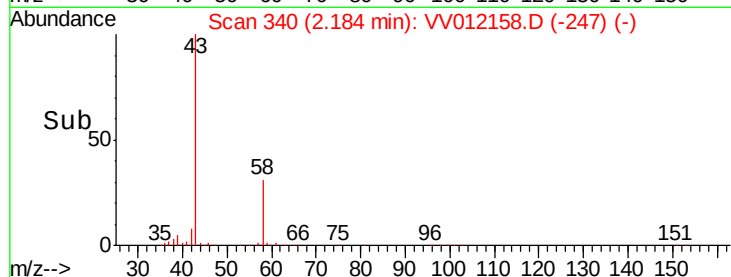
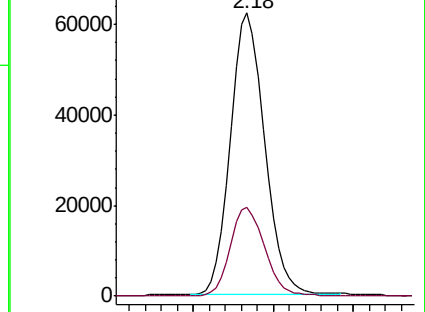
43 100

58 31.7 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV012158.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV012158.D (-329) (-)



#14

Carbon disulfide

Concen: 43.872 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012158.D

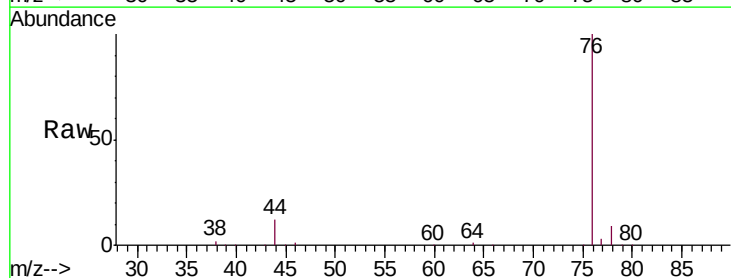
Acq: 09 Aug 2019 17:56

Tgt Ion: 76 Resp: 231998

Ion Ratio Lower Upper

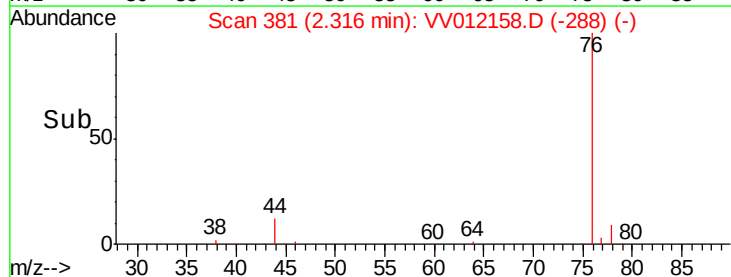
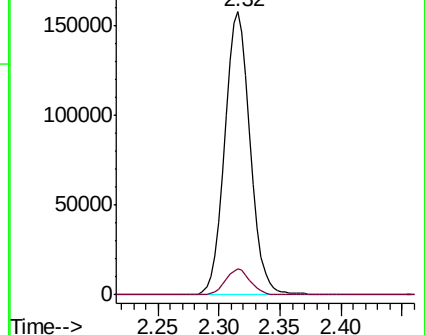
76 100

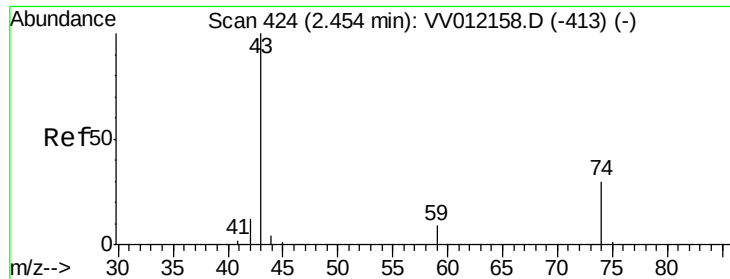
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV012158.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012158.D (-369) (-)

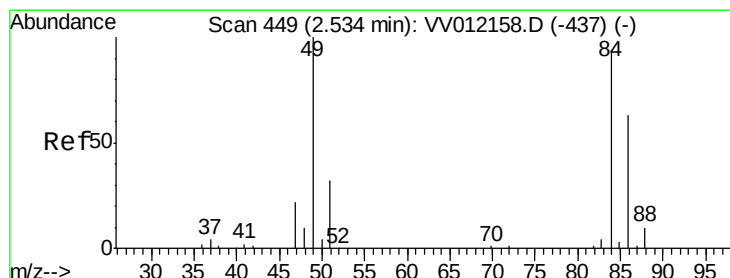
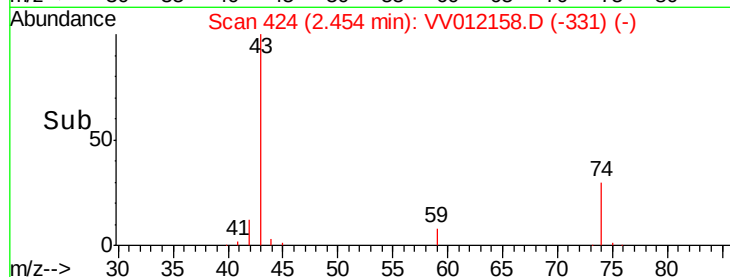
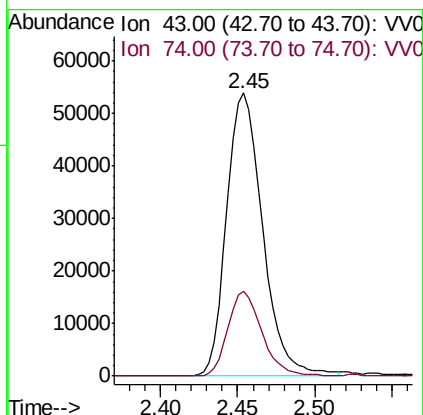
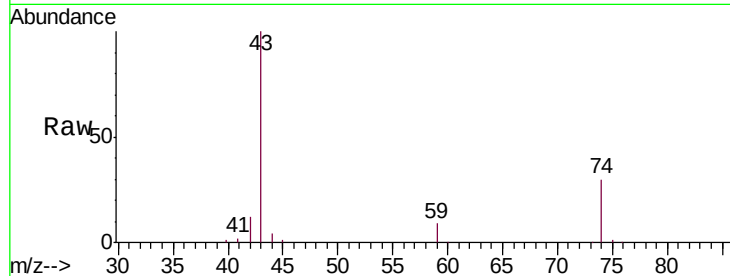




#15
Methyl Acetate
Concen: 42.649 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

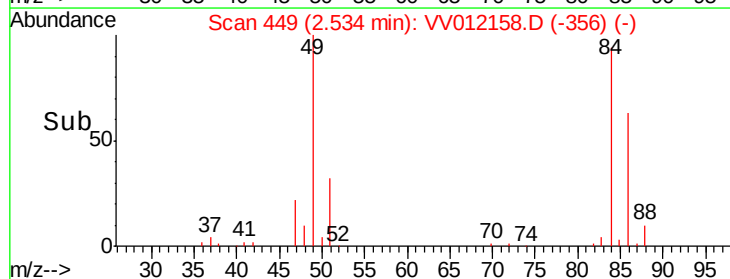
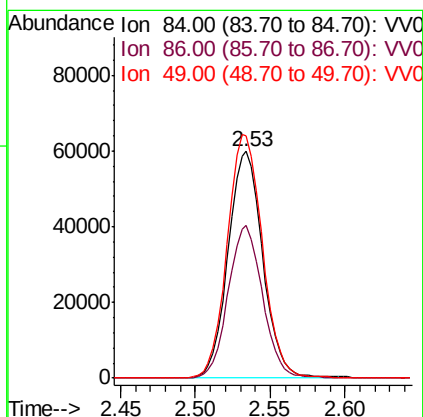
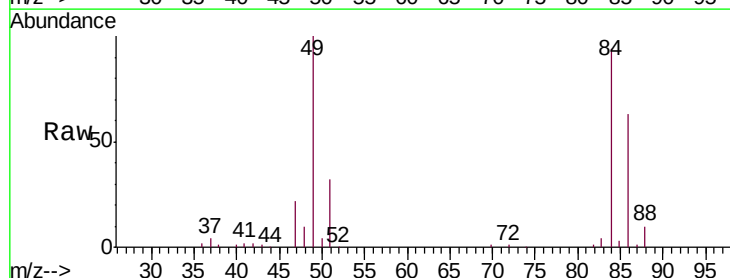
Instrument :
MSVOA_V
ClientSampled :
VSTD05066

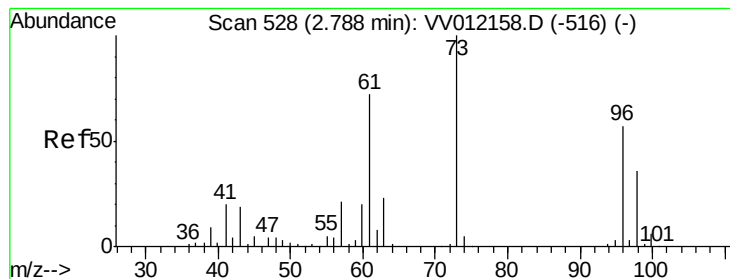
Tgt Ion: 43 Resp: 87300
Ion Ratio Lower Upper
43 100
74 28.0 22.4 33.6



#16
Methylene chloride
Concen: 42.898 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

Tgt Ion: 84 Resp: 96615
Ion Ratio Lower Upper
84 100
86 67.2 47.0 87.4
49 106.9 74.8 139.0





#17

trans-1,2-Dichloroethene

Concen: 44.993 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

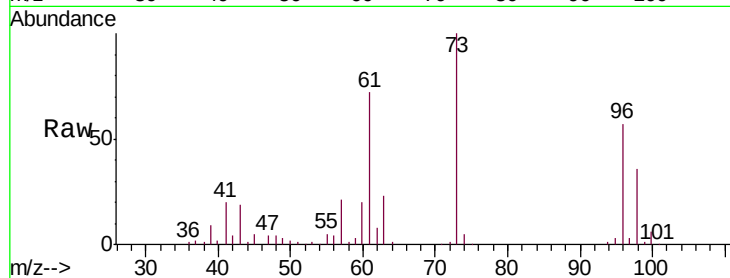
Tgt Ion: 96 Resp: 94540

Ion Ratio Lower Upper

96 100

61 127.6 89.3 165.9

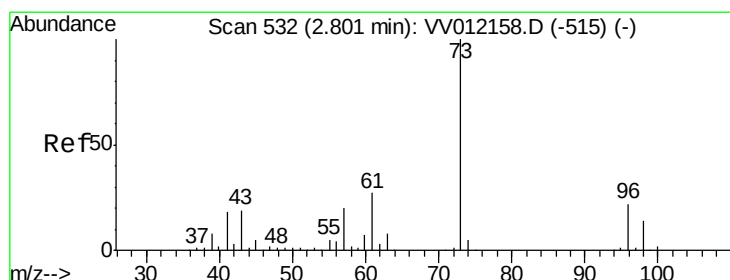
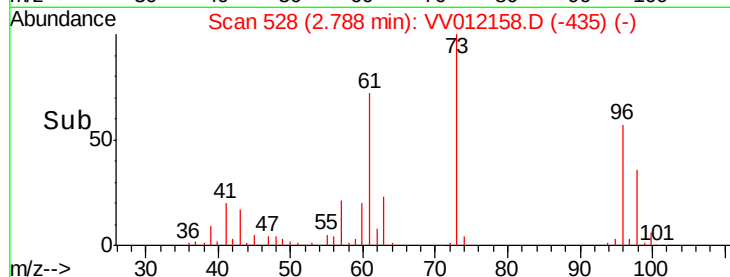
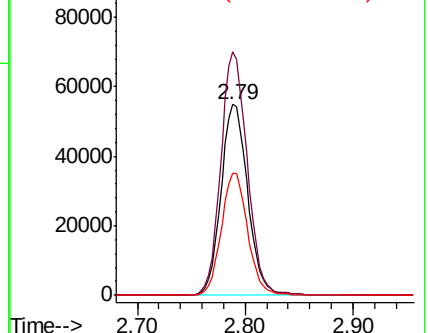
98 63.9 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.110 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

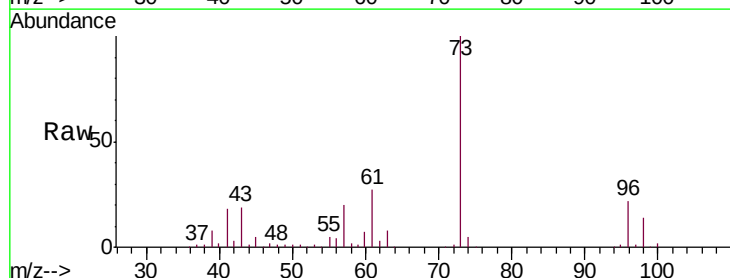
Tgt Ion: 73 Resp: 306647

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

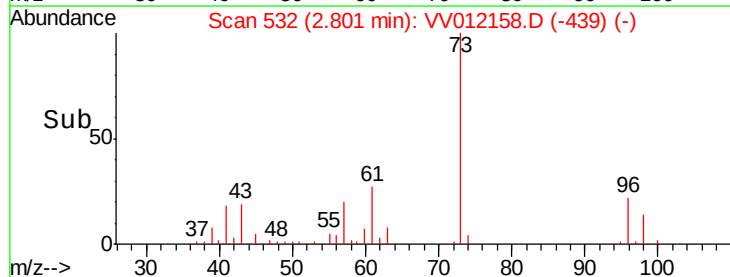
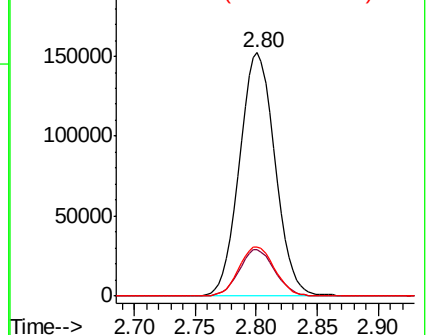
57 20.2 16.2 24.2

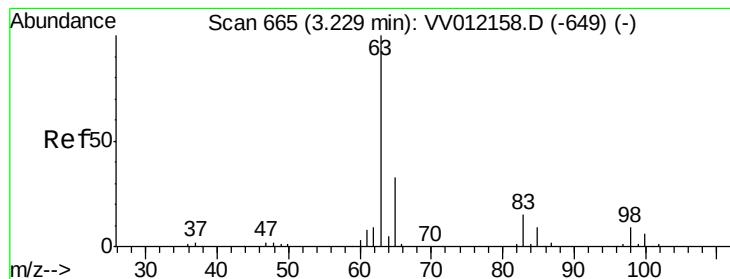


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 43.332 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

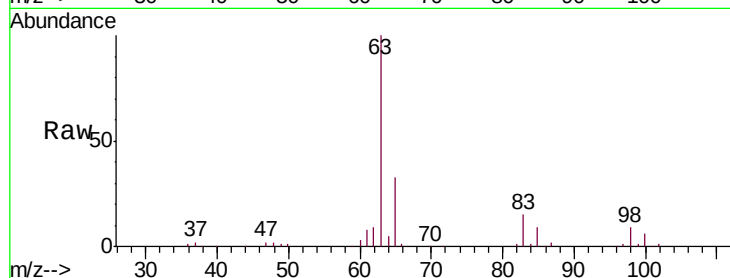
Tgt Ion: 63 Resp: 164270

Ion Ratio Lower Upper

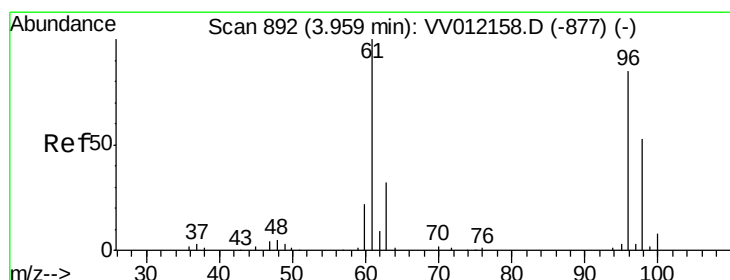
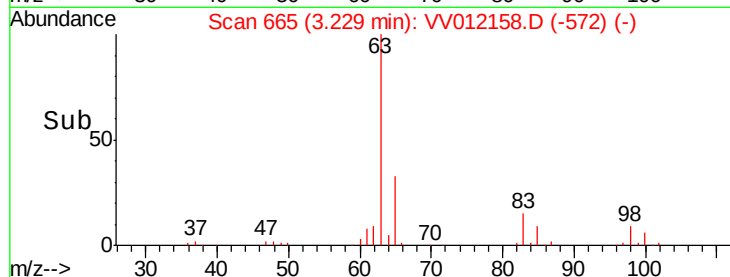
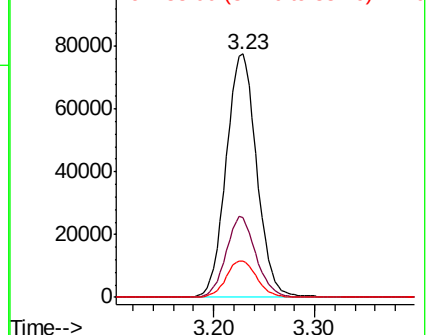
63 100

65 32.7 22.9 42.5

83 14.8 10.4 19.2



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 45.621 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

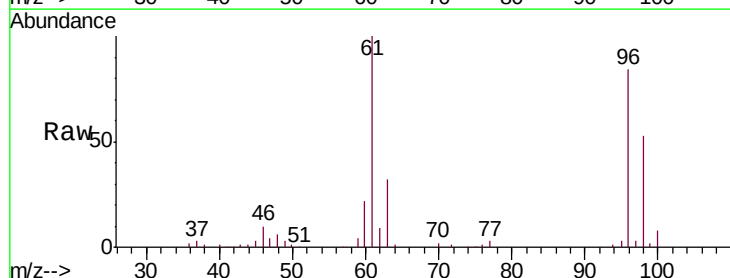
Tgt Ion: 96 Resp: 106969

Ion Ratio Lower Upper

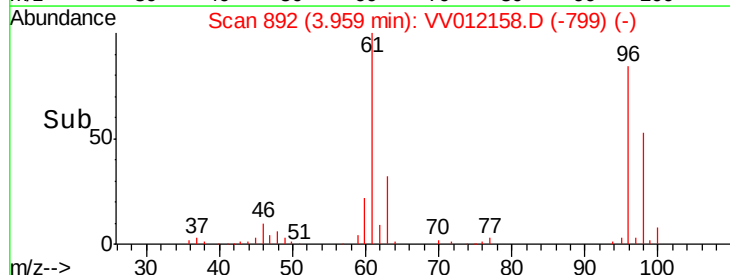
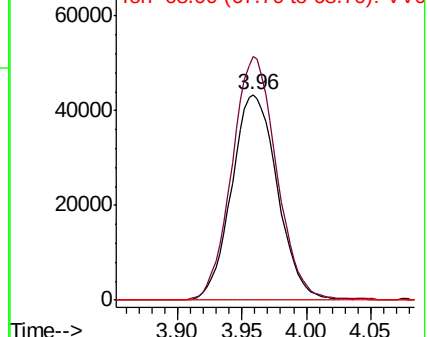
96 100

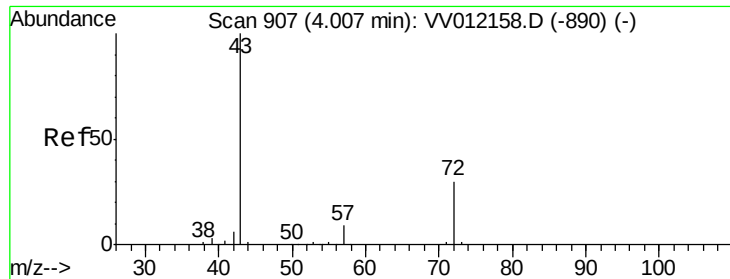
61 118.4 82.9 153.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 83.217 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

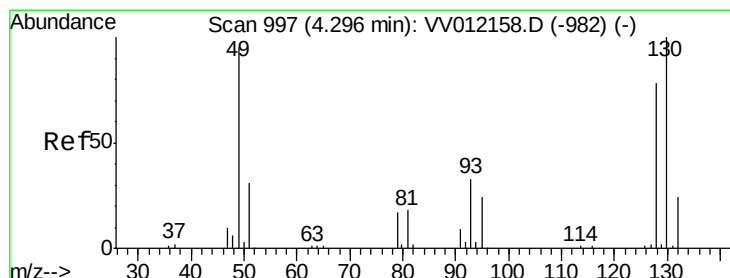
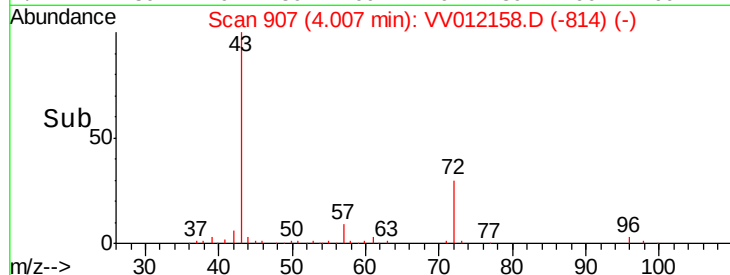
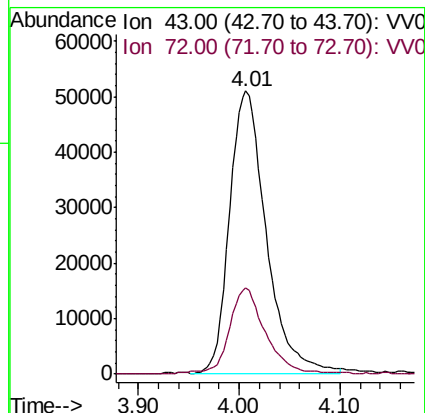
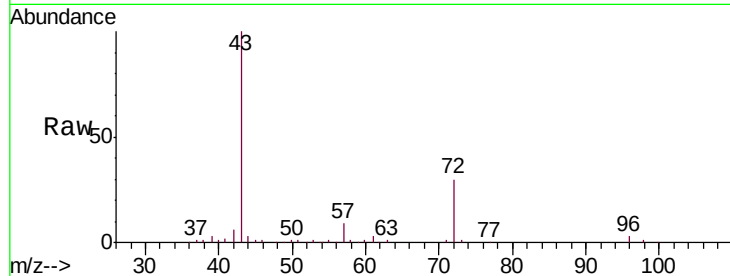
VSTD05066

Tgt Ion: 43 Resp: 128315

Ion Ratio Lower Upper

43 100

72 28.0 14.0 42.0



#23

Bromochloromethane

Concen: 50.396 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Tgt Ion: 128 Resp: 60240

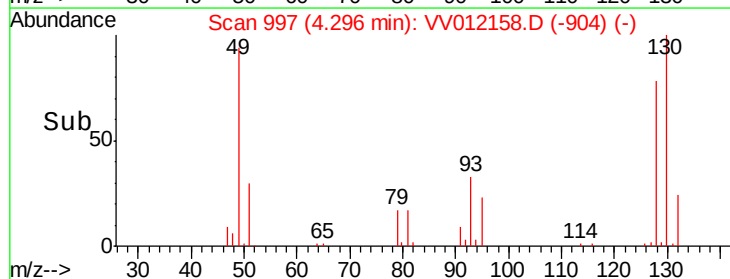
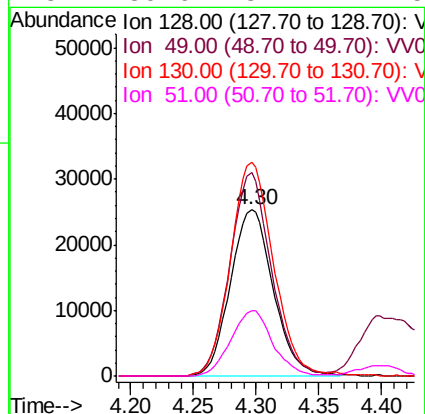
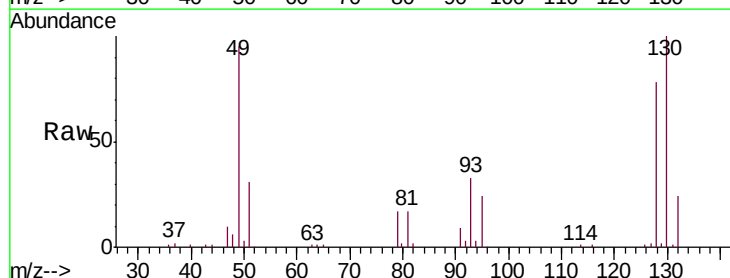
Ion Ratio Lower Upper

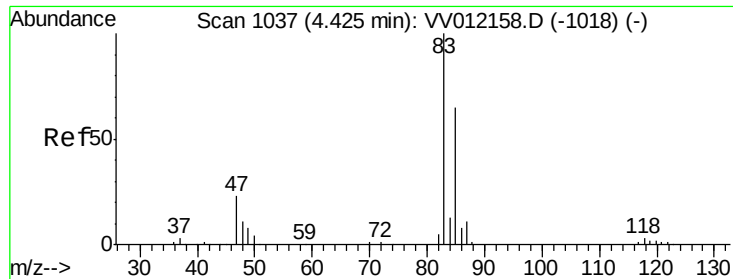
128 100

49 122.4 85.7 159.1

130 128.4 89.9 166.9

51 39.6 31.7 47.5

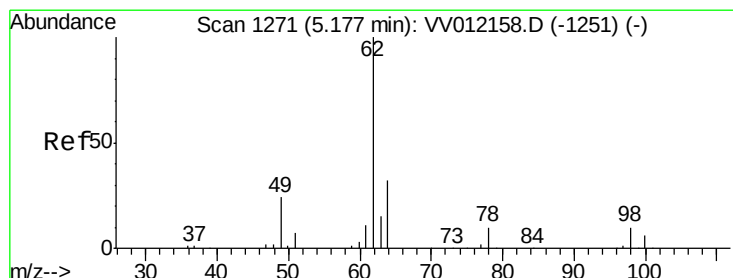
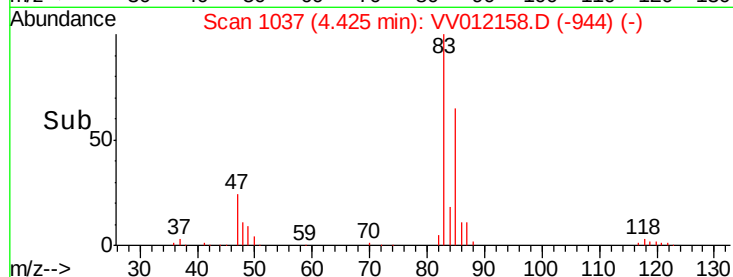
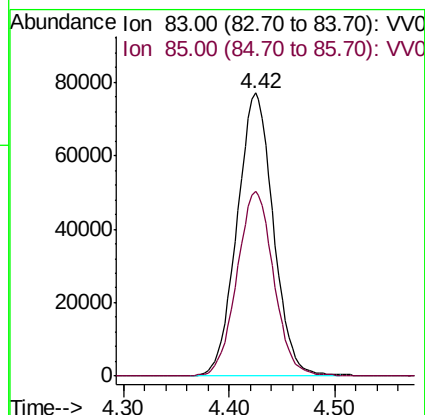
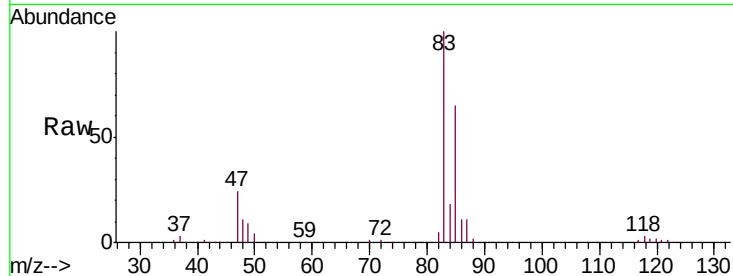




#25
Chloroform
Concen: 44.369 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

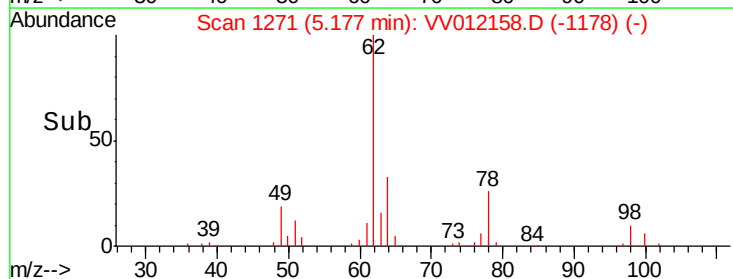
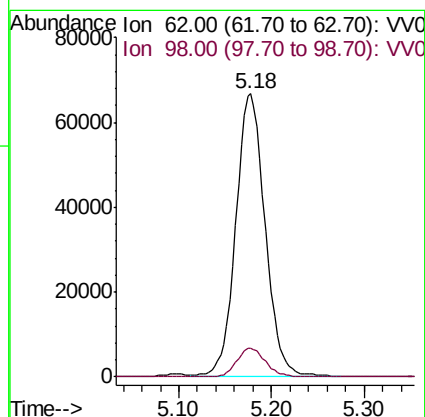
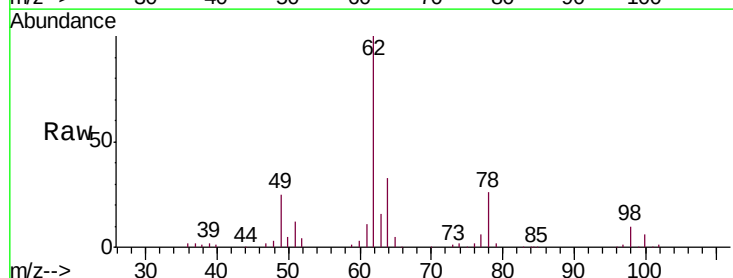
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

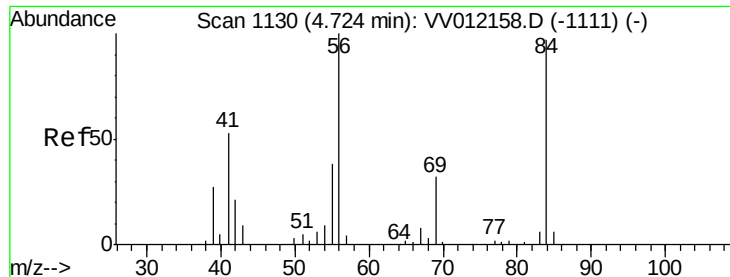
Tgt Ion: 83 Resp: 183926
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9



#27
1,2-Dichloroethane
Concen: 43.250 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

Tgt Ion: 62 Resp: 145897
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1

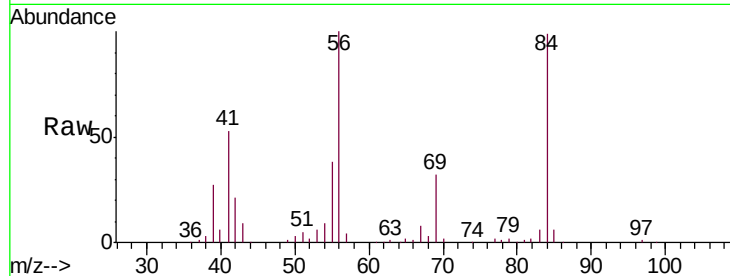




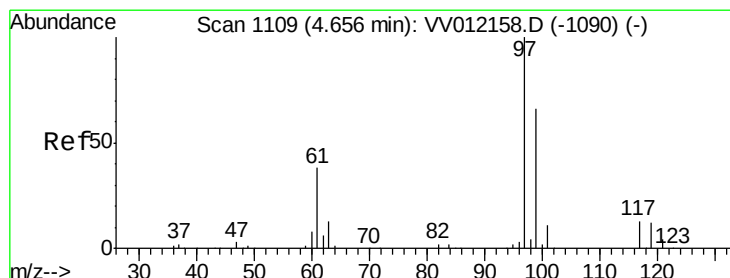
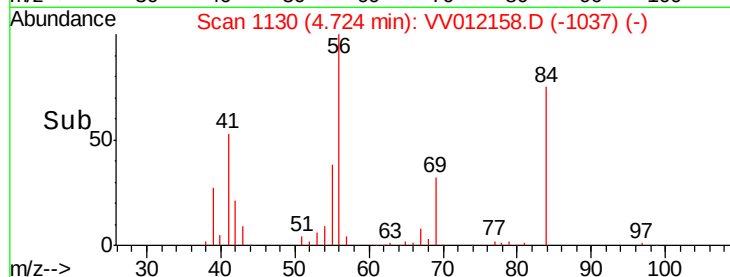
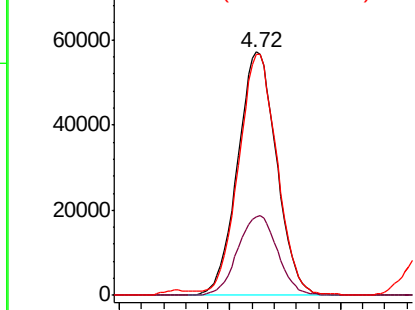
#29
Cyclohexane
Concen: 46.645 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion: 56 Resp: 139626
Ion Ratio Lower Upper
56 100
69 33.3 26.6 40.0
84 98.2 78.6 117.8

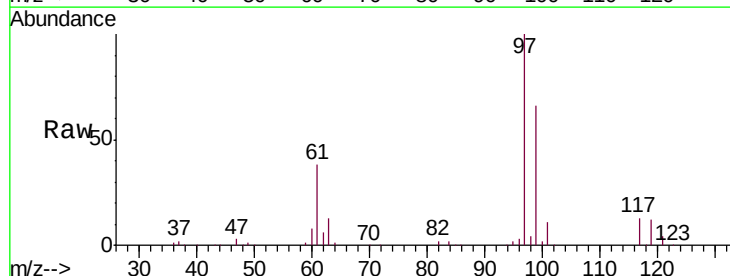


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

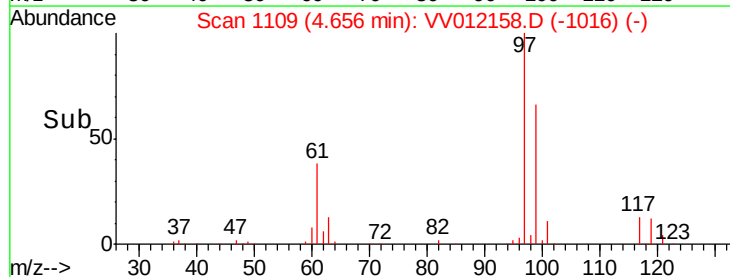
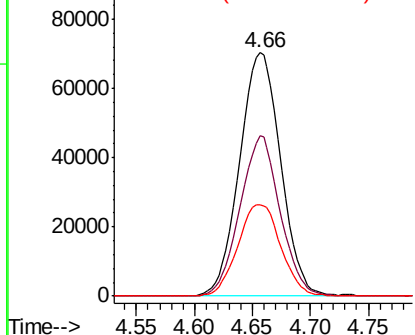


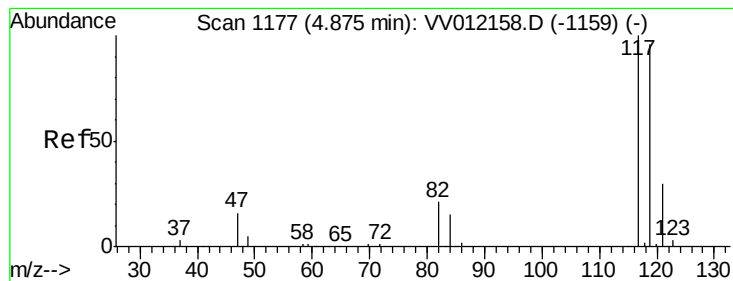
#30
1,1,1-Trichloroethane
Concen: 55.257 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

Tgt Ion: 97 Resp: 173571
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 39.4 31.5 47.3



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 58.635 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

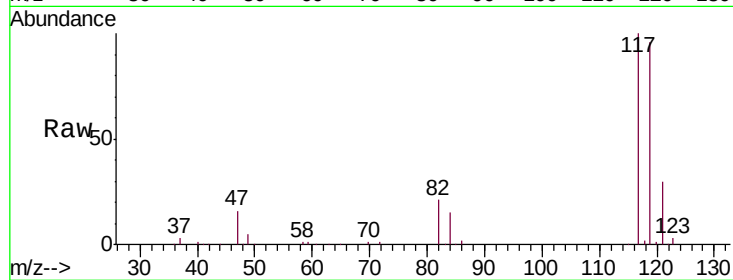
VSTD05066

Tgt Ion:117 Resp: 161921

Ion Ratio Lower Upper

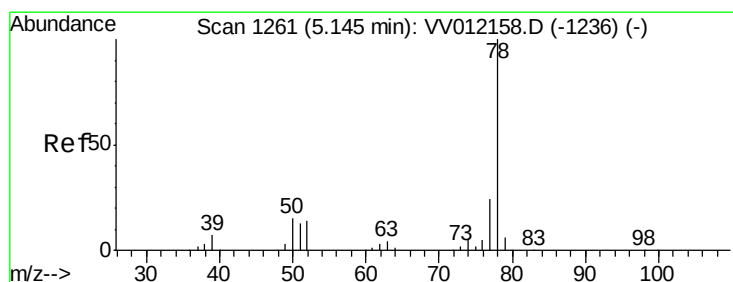
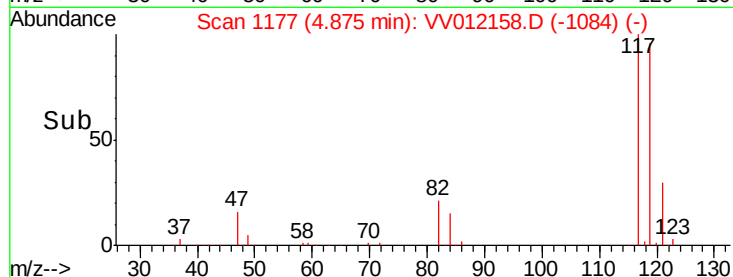
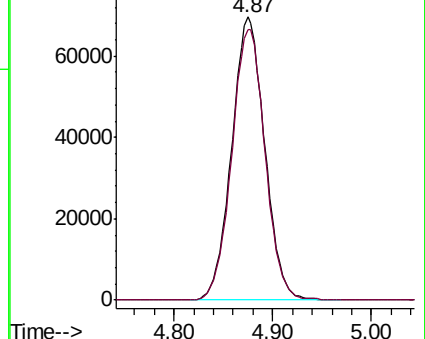
117 100

119 96.4 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.372 ug/L

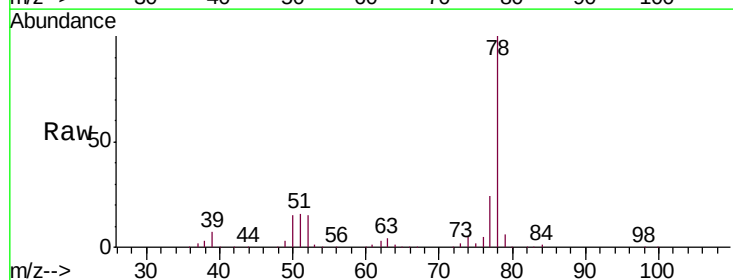
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

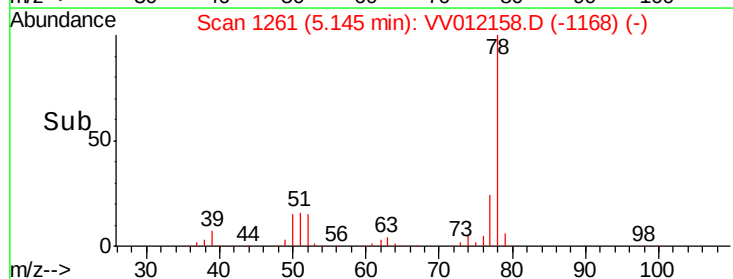
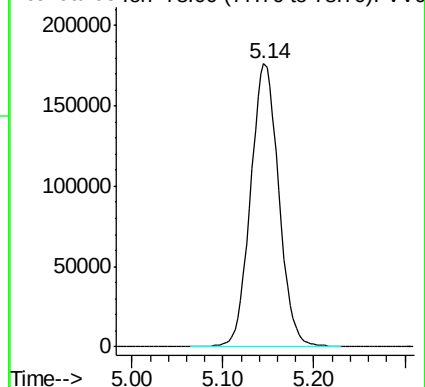
Lab File: VV012158.D

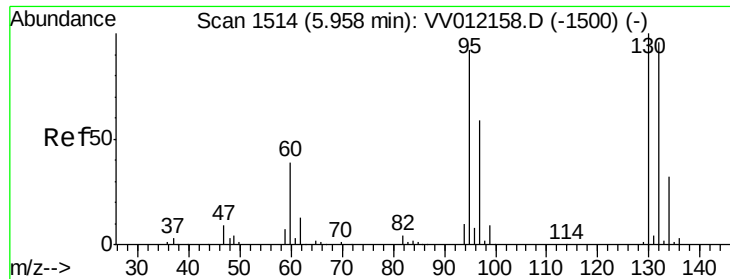
Acq: 09 Aug 2019 17:56

Tgt Ion: 78 Resp: 379970



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 51.050 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion: 95 Resp: 103498

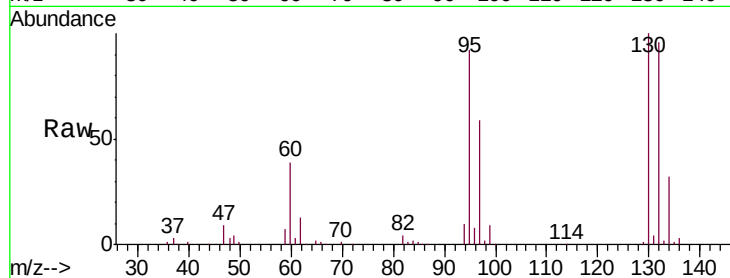
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 103.8 72.7 134.9

130 108.5 75.9 141.1

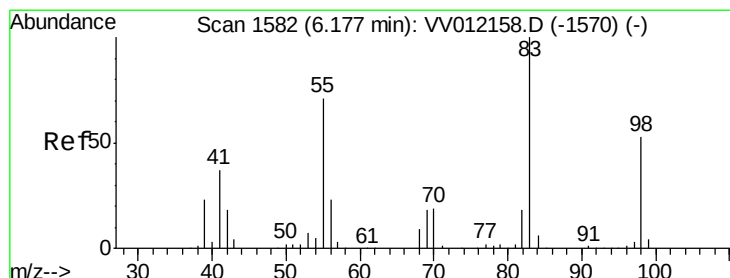
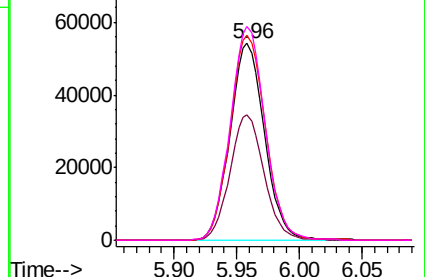
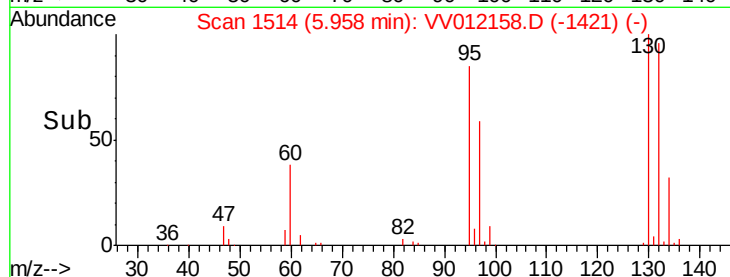


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.815 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

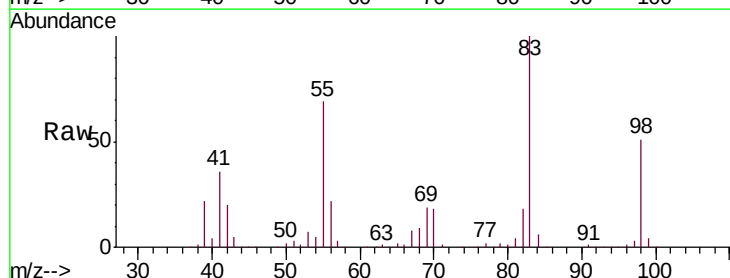
Tgt Ion: 83 Resp: 159472

Ion Ratio Lower Upper

83 100

55 68.6 54.9 82.3

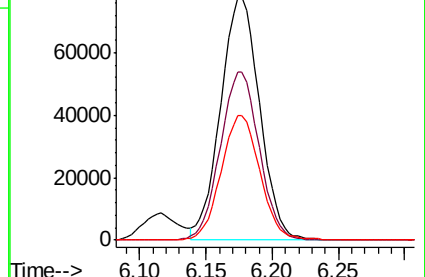
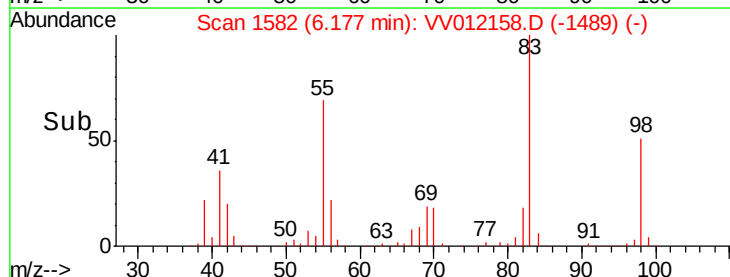
98 50.9 40.7 61.1

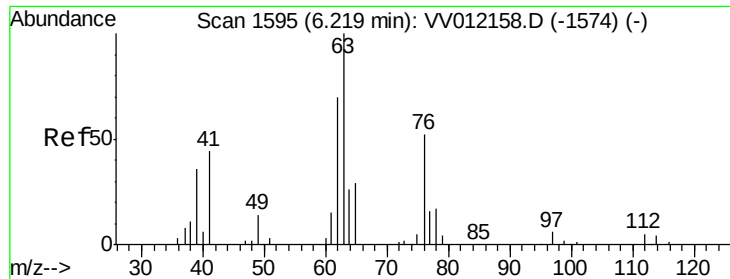


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

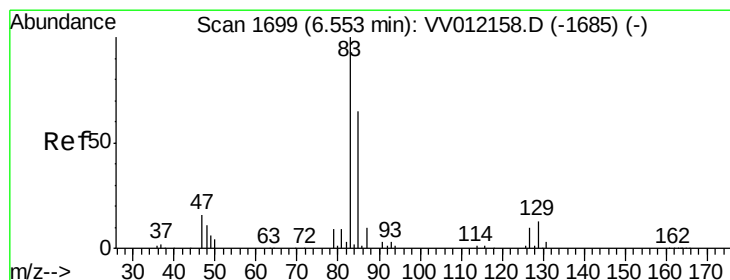
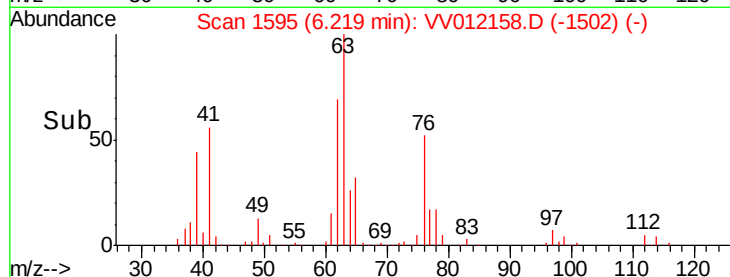
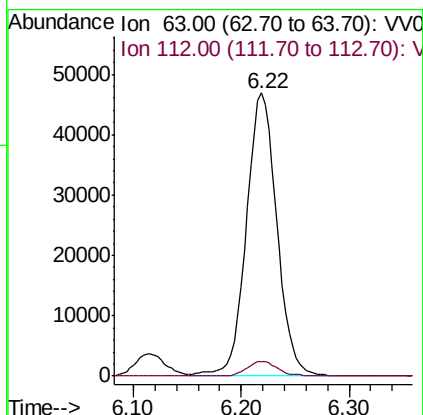
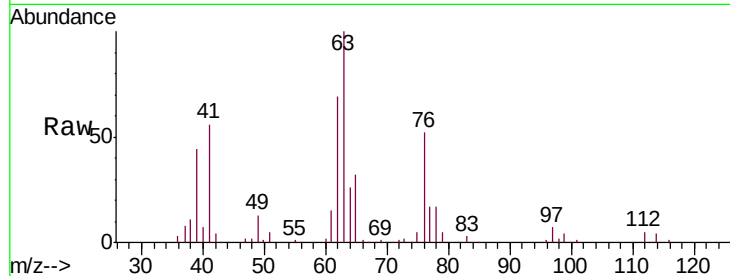




#37
 1,2-Dichloropropane
 Concen: 44.765 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

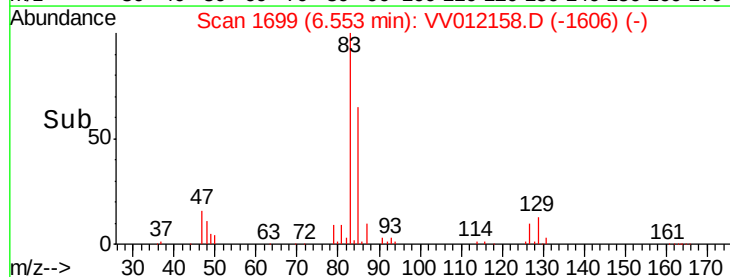
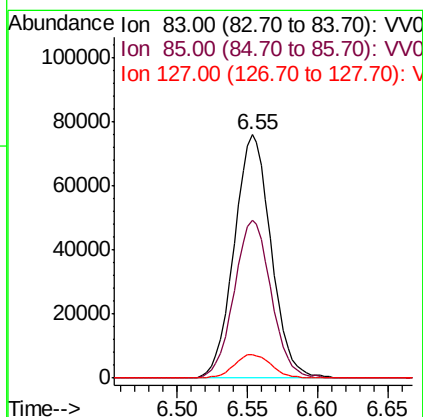
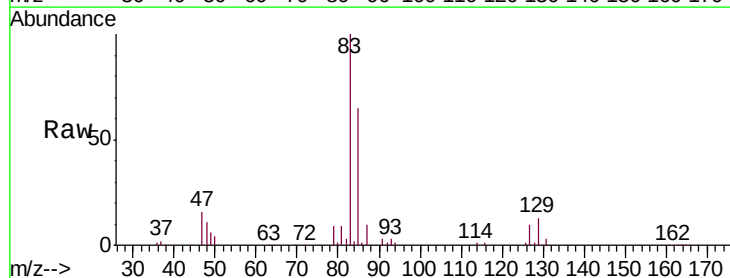
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

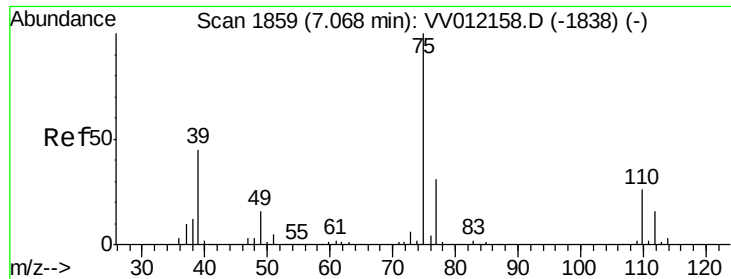
Tgt Ion: 63 Resp: 91503
 Ion Ratio Lower Upper
 63 100
 112 5.3 4.2 6.4



#38
 Bromodichloromethane
 Concen: 52.492 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion: 83 Resp: 139557
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.5 84.5
 127 9.6 7.7 11.5

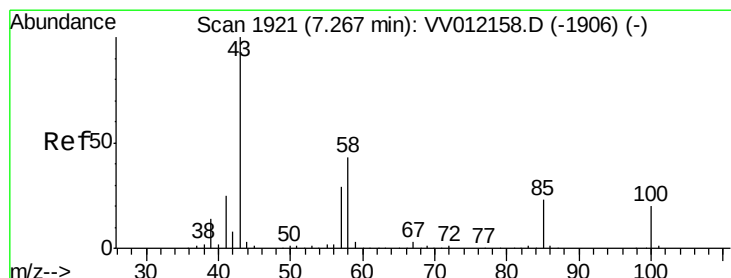
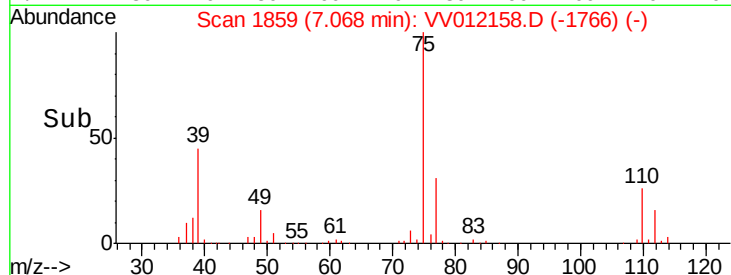
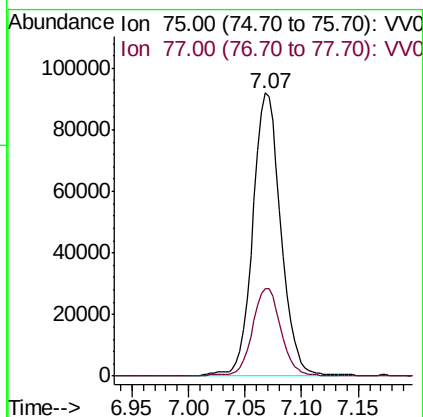
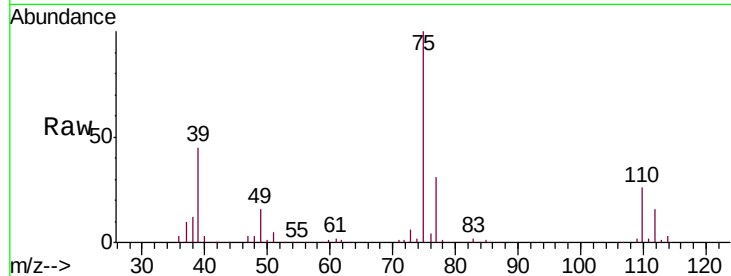




#39
 cis-1,3-Dichloropropene
 Concen: 53.160 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

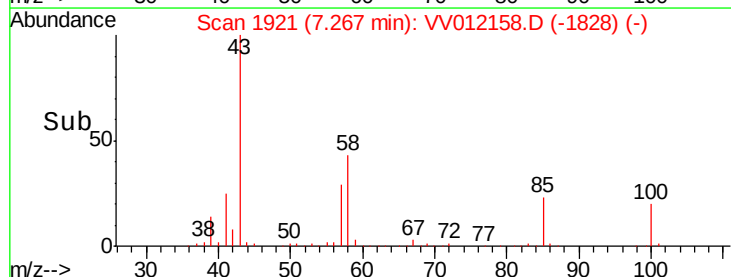
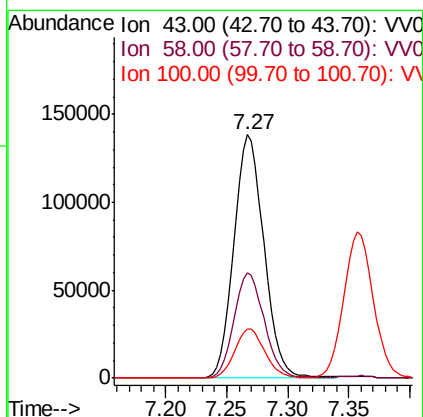
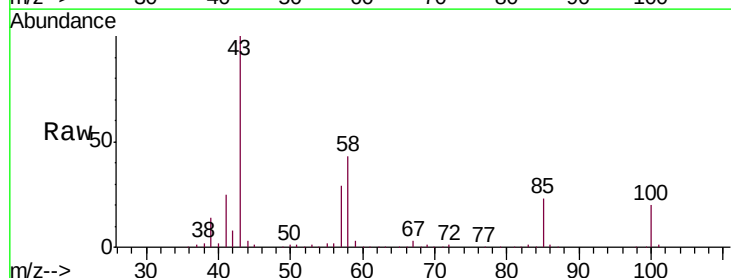
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

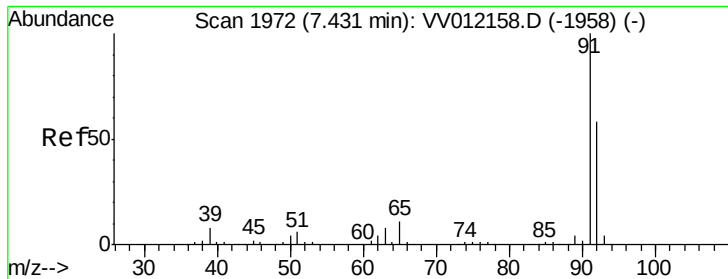
Tgt Ion: 75 Resp: 159463
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 86.604 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion: 43 Resp: 237933
 Ion Ratio Lower Upper
 43 100
 58 43.4 34.7 52.1
 100 20.2 16.2 24.2





#42

Toluene

Concen: 46.403 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

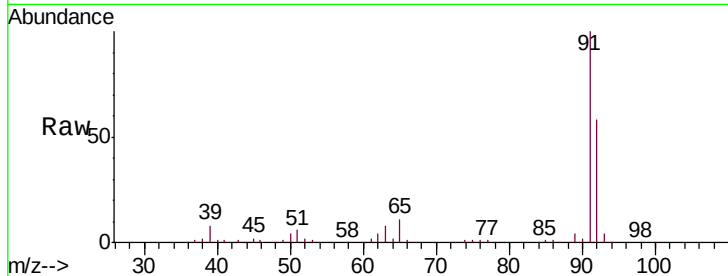
VSTD05066

Tgt Ion: 91 Resp: 422981

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

250000

200000

150000

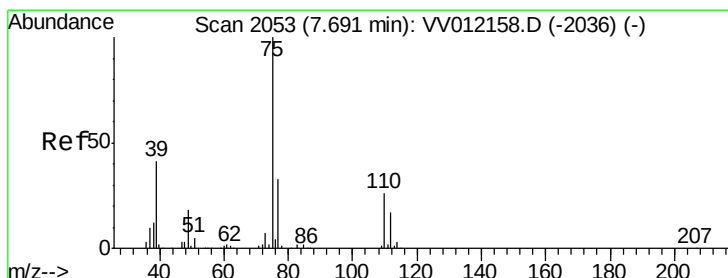
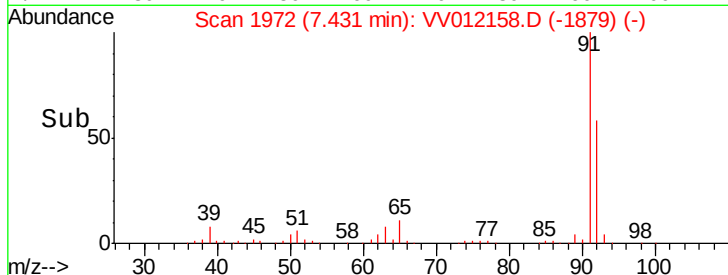
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.712 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012158.D

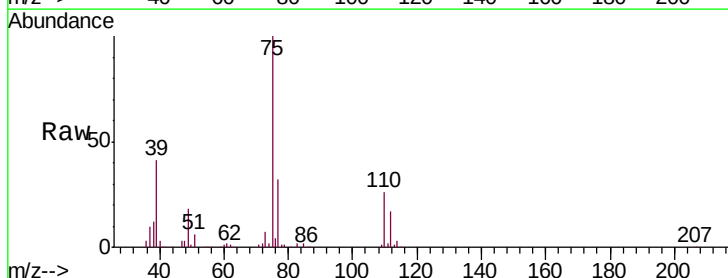
Acq: 09 Aug 2019 17:56

Tgt Ion: 75 Resp: 144877

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

100000

80000

60000

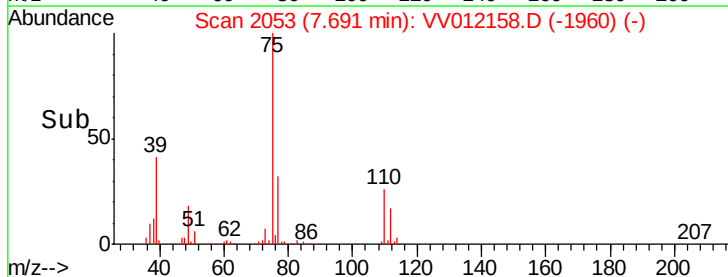
40000

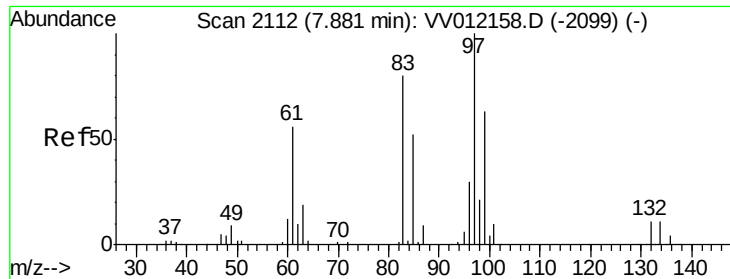
20000

0

7.60 7.65 7.70 7.75

Time-->

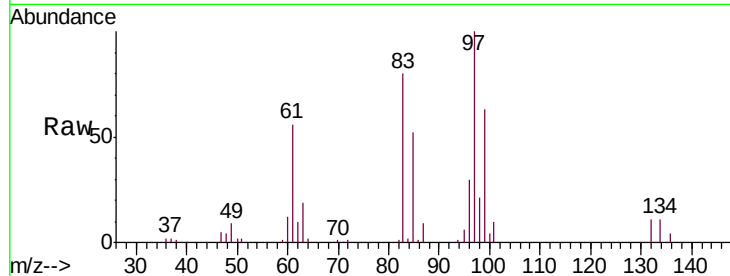




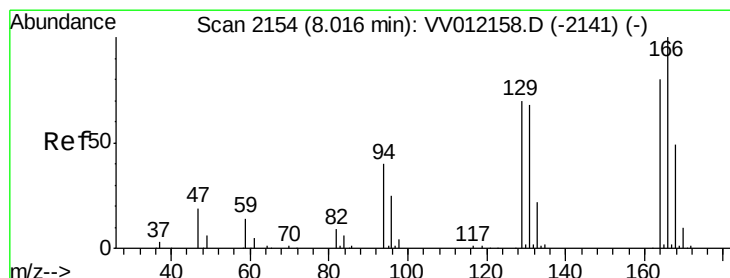
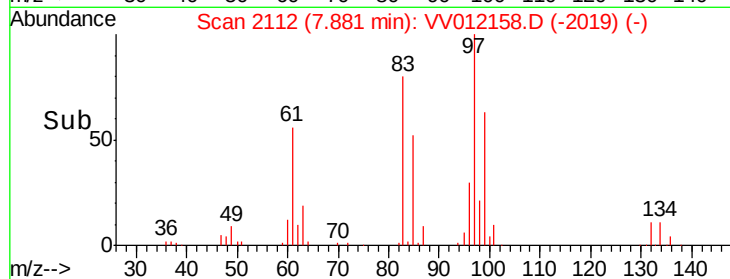
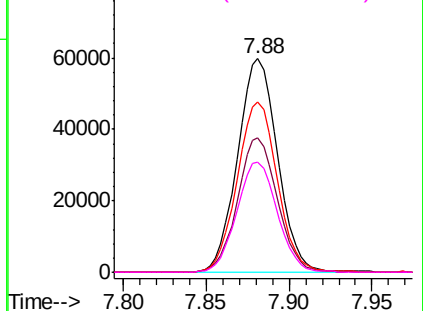
#45
 1,1,2-Trichloroethane
 Concen: 49.315 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:	97	Resp:	100309
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.0
83	79.9	55.9	103.9
85	51.8	36.3	67.3

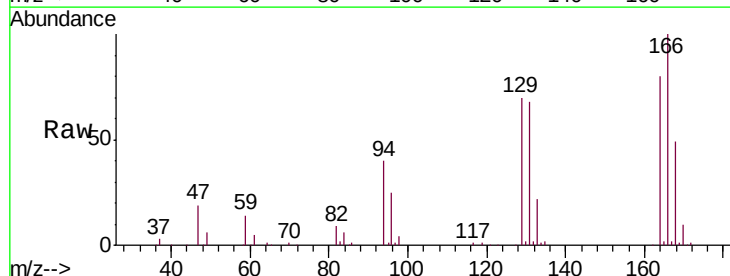


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

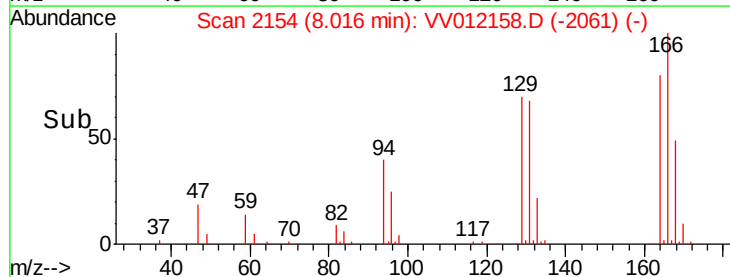
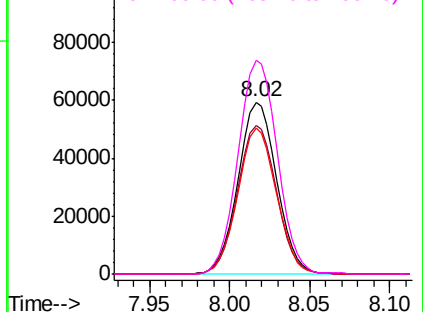


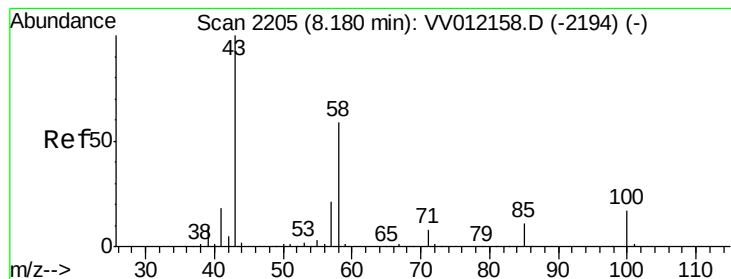
#46
 Tetrachloroethene
 Concen: 56.906 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion:	164	Resp:	97231
Ion	Ratio	Lower	Upper
164	100		
129	86.6	60.6	112.6
131	85.0	59.5	110.5
166	124.5	87.2	161.9



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 88.631 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion: 43 Resp: 181982

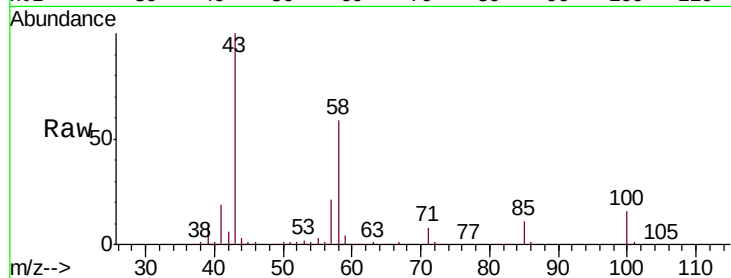
Ion Ratio Lower Upper

43 100

58 59.2 47.4 71.0

57 21.0 16.8 25.2

100 16.5 13.2 19.8

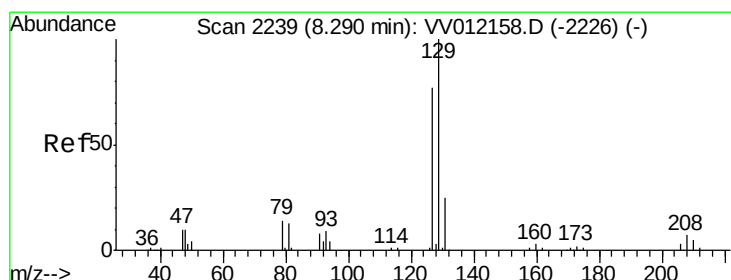
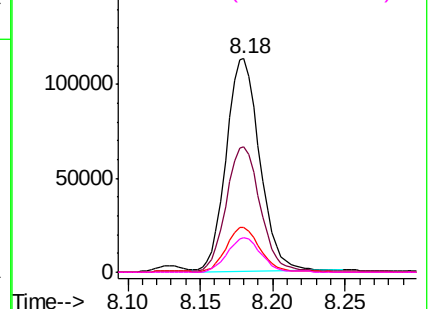
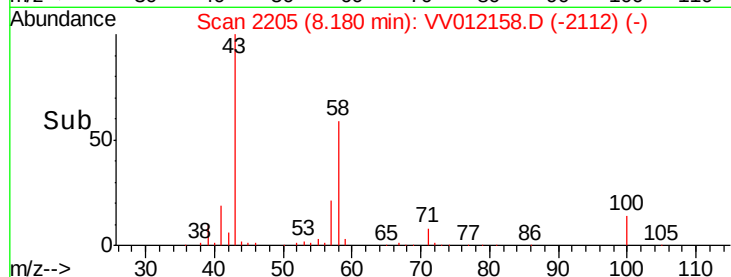


Abundance Ion 43.00 (42.70 to 43.70): VV012158.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV012158.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV012158.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV012158.D (-2194) (-)



#49

Dibromochloromethane

Concen: 57.192 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV012158.D

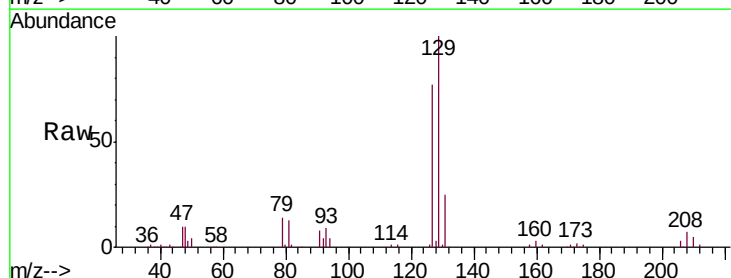
Acq: 09 Aug 2019 17:56

Tgt Ion: 129 Resp: 127459

Ion Ratio Lower Upper

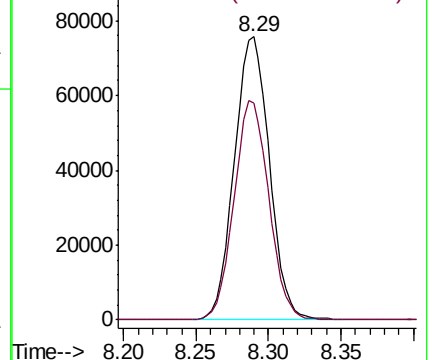
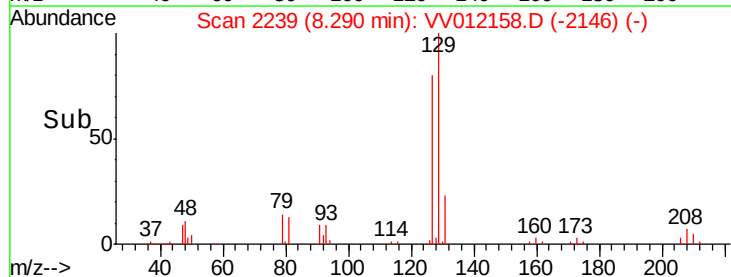
129 100

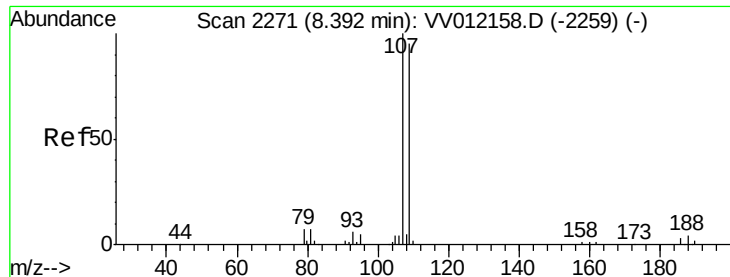
127 76.8 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): VV012158.D (-2226) (-)

Ion 127.00 (126.70 to 127.70): VV012158.D (-2226) (-)

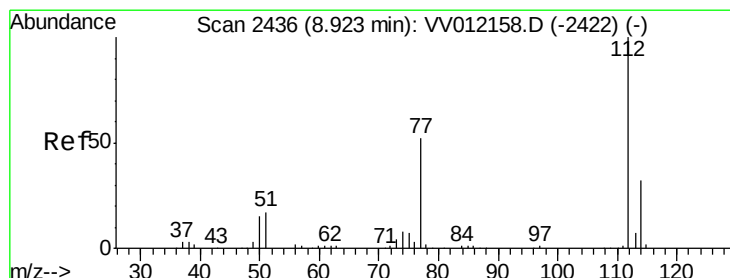
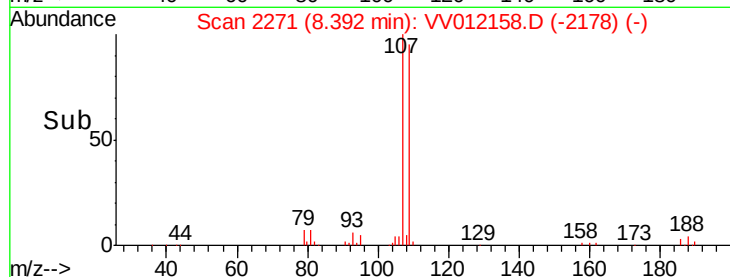
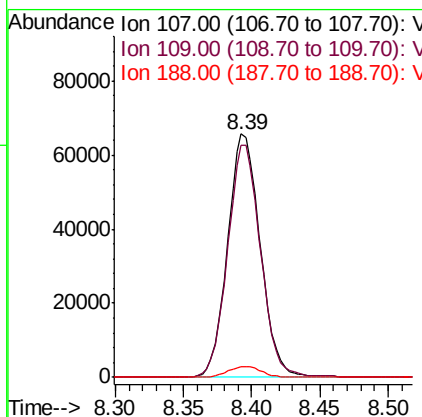
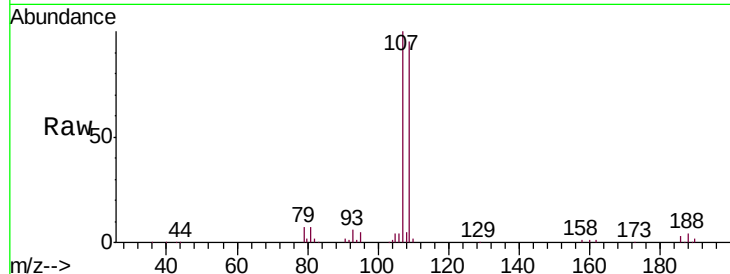




#50
 1,2-Dibromoethane
 Concen: 50.344 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

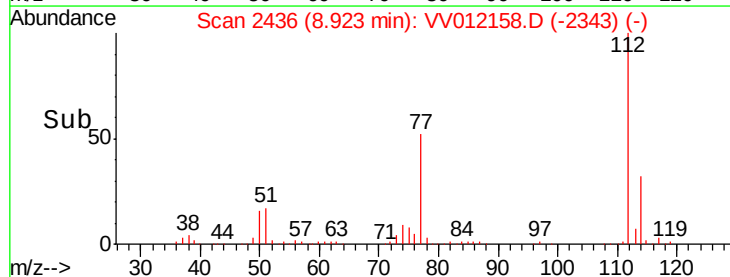
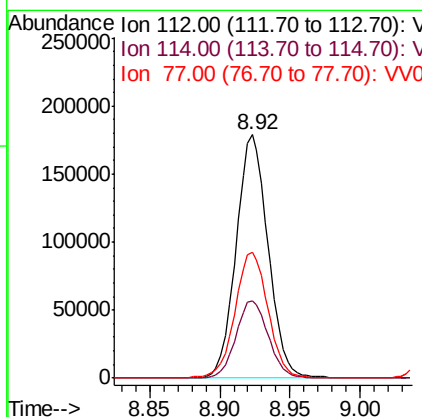
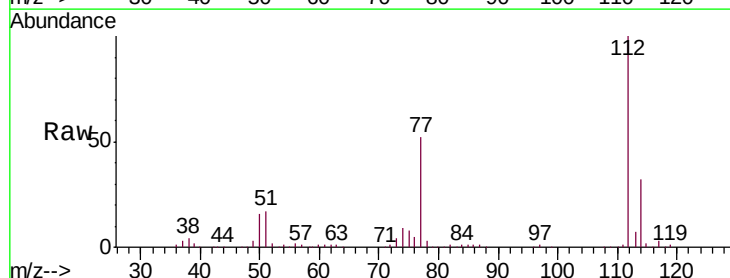
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

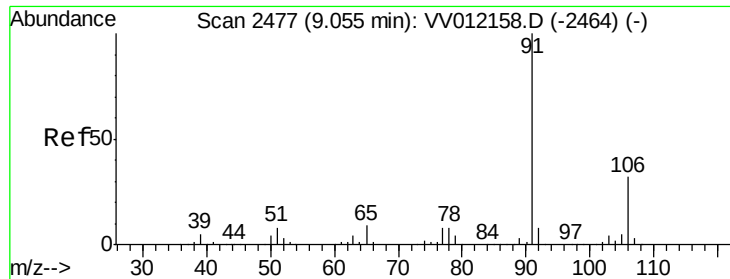
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.8	124.0
188	4.4	3.5	5.3



#51
 Chlorobenzene
 Concen: 46.648 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	51.9	41.5	62.3





#52

Ethylbenzene

Concen: 45.778 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

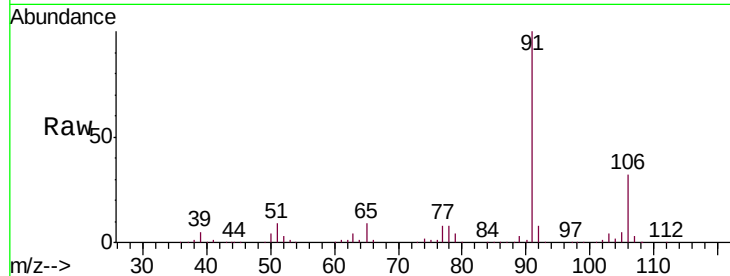
VSTD05066

Tgt Ion: 91 Resp: 471111

Ion Ratio Lower Upper

91 100

106 32.3 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VV012158.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV012158.D (-2464) (-)

9.05

300000

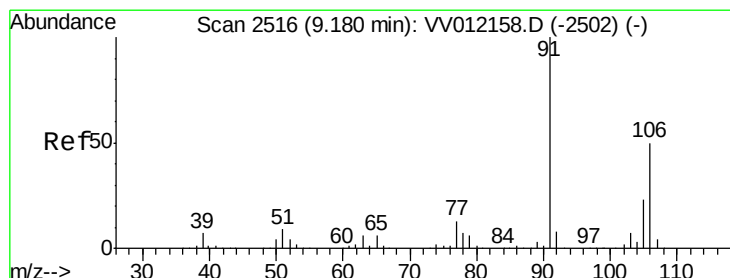
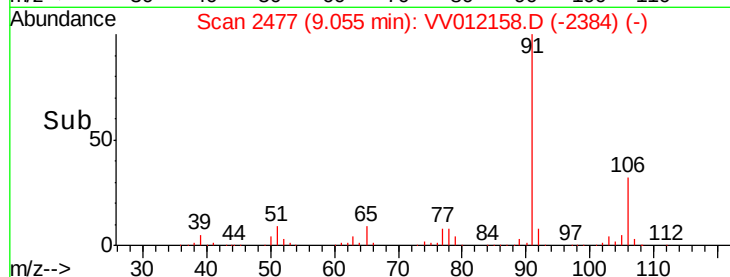
200000

100000

0

9.00 9.05 9.10

Time-->



#53

m,p-Xylene

Concen: 45.658 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012158.D

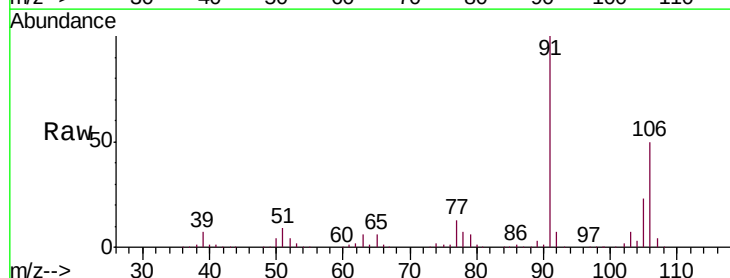
Acq: 09 Aug 2019 17:56

Tgt Ion: 106 Resp: 183471

Ion Ratio Lower Upper

106 100

91 200.9 140.6 261.2



Abundance Ion 106.00 (105.70 to 106.70): VV012158.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV012158.D (-2502) (-)

9.18

250000

200000

150000

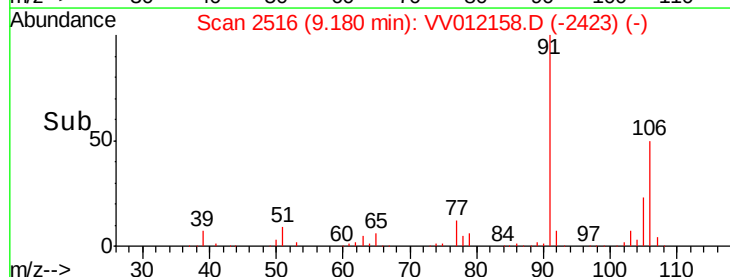
100000

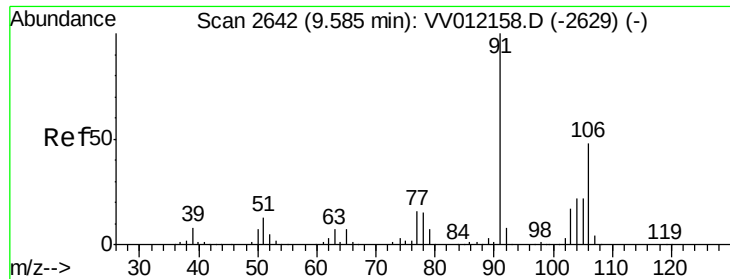
50000

0

9.10 9.15 9.20 9.25

Time-->

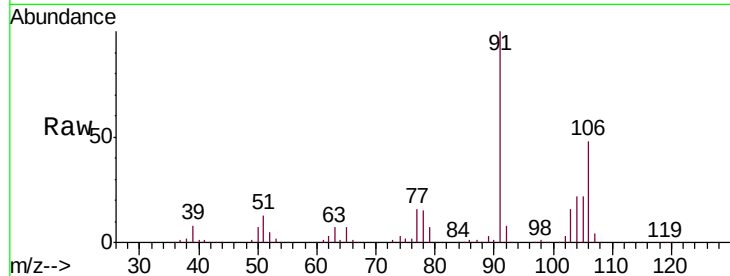




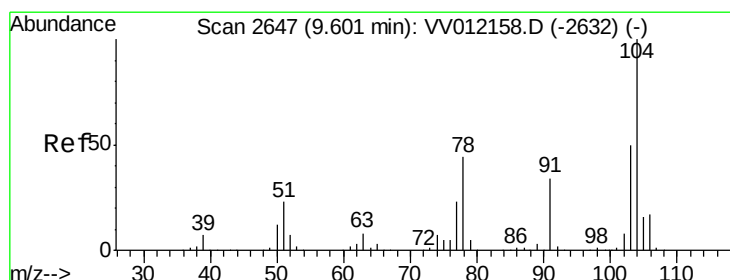
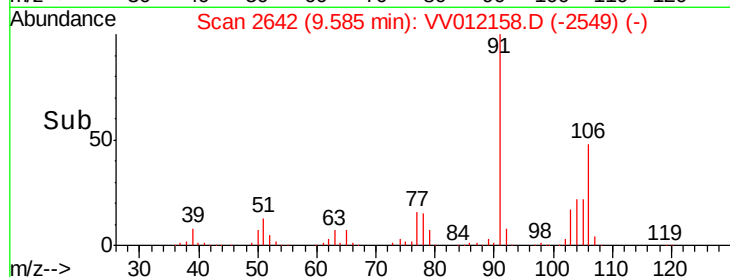
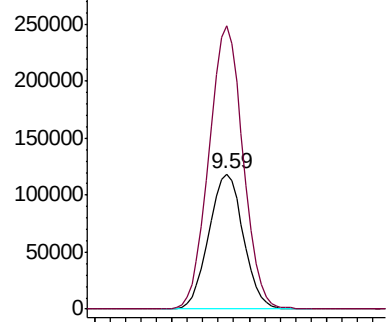
#54
o-xylene
Concen: 45.263 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

Instrument :
MSVOA_V
ClientSampled :
VSTD05066

Tgt Ion:106 Resp: 184781
Ion Ratio Lower Upper
106 100
91 209.0 146.3 271.7

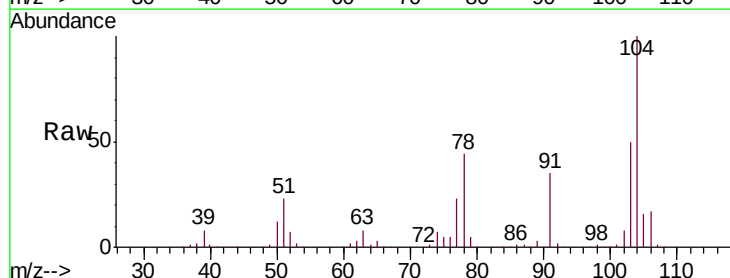


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

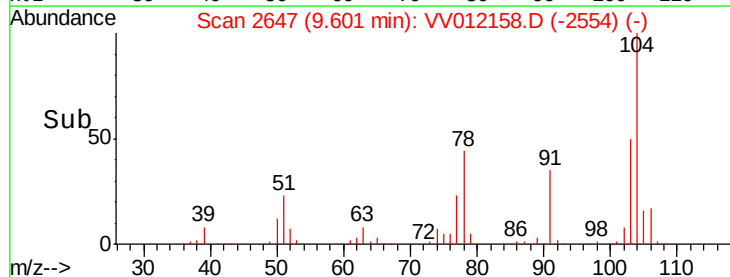
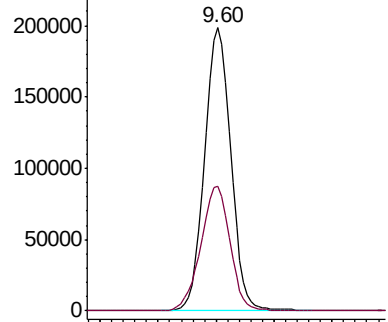


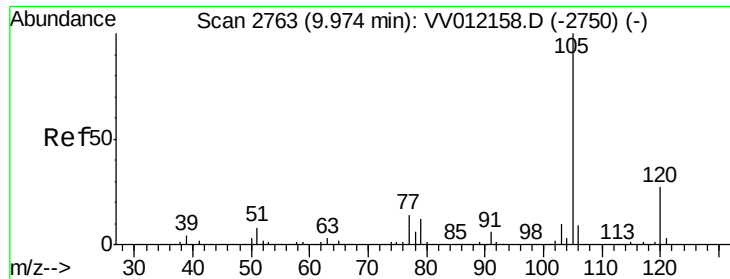
#55
Styrene
Concen: 45.688 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012158.D
Acq: 09 Aug 2019 17:56

Tgt Ion:104 Resp: 309796
Ion Ratio Lower Upper
104 100
78 43.8 30.7 56.9



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





#56

Isopropylbenzene

Concen: 46.378 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

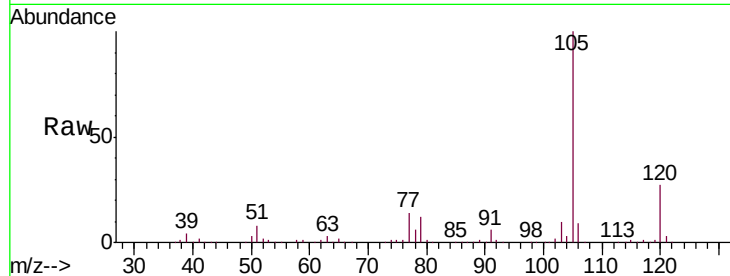
Tgt Ion: 105 Resp: 486120

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

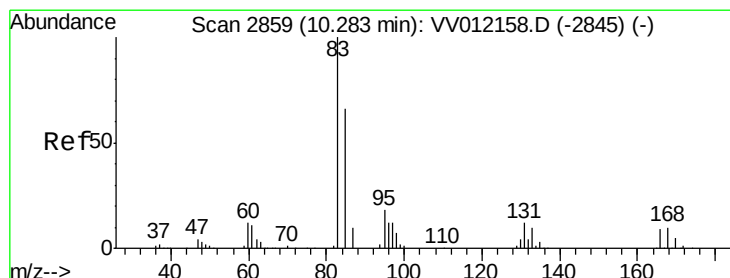
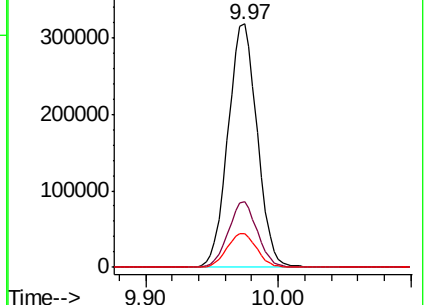
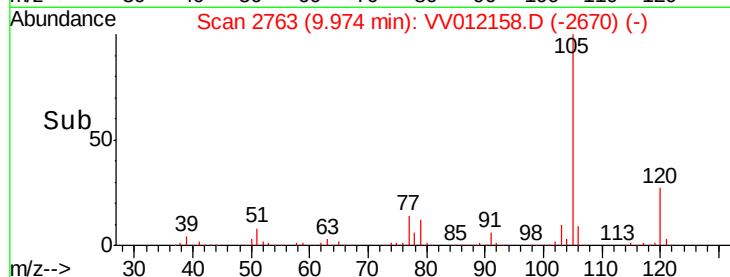
77 14.2 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): VV012158.D (-2750) (-)

Ion 120.00 (119.70 to 120.70): VV012158.D (-2750) (-)

Ion 77.00 (76.70 to 77.70): VV012158.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 42.587 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

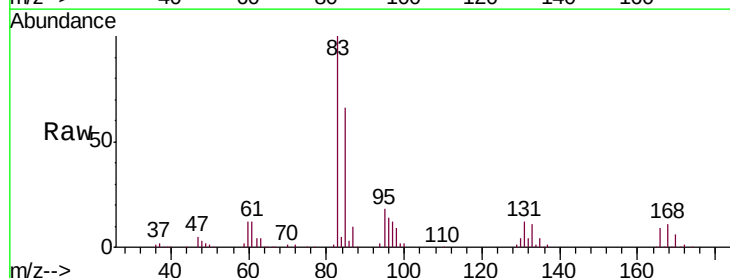
Tgt Ion: 83 Resp: 153426

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

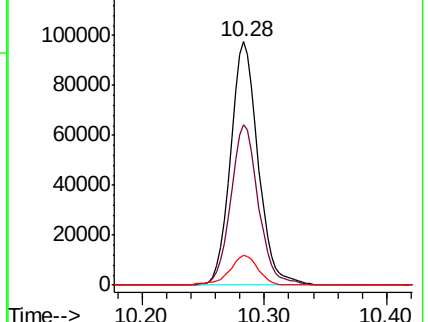
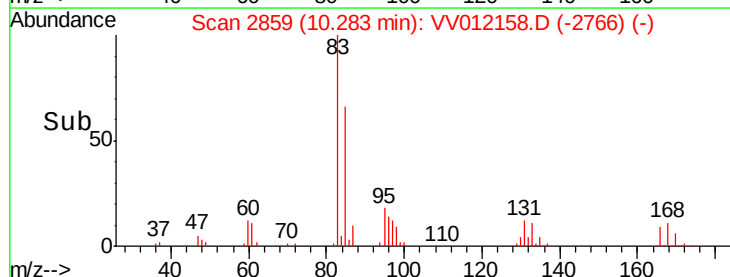
131 12.2 9.8 14.6

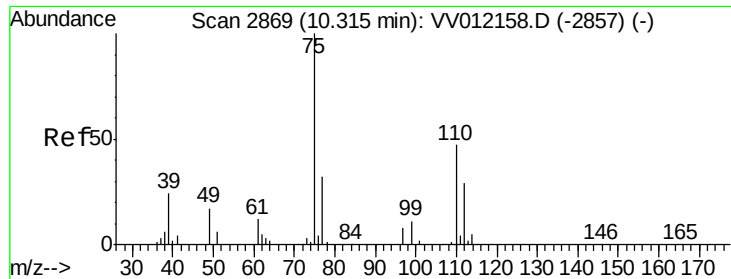


Abundance Ion 83.00 (82.70 to 83.70): VV012158.D (-2845) (-)

Ion 85.00 (84.70 to 85.70): VV012158.D (-2845) (-)

Ion 131.00 (130.70 to 131.70): VV012158.D (-2845) (-)





#59

1,2,3-Trichloropropane

Concen: 43.306 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

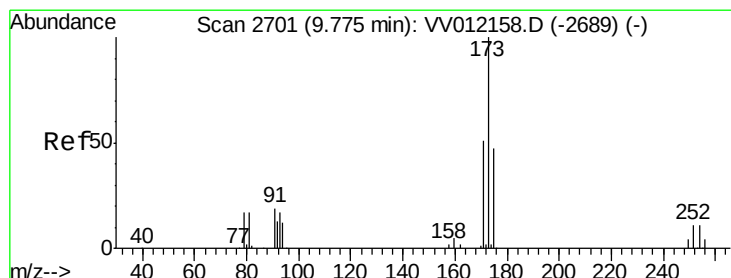
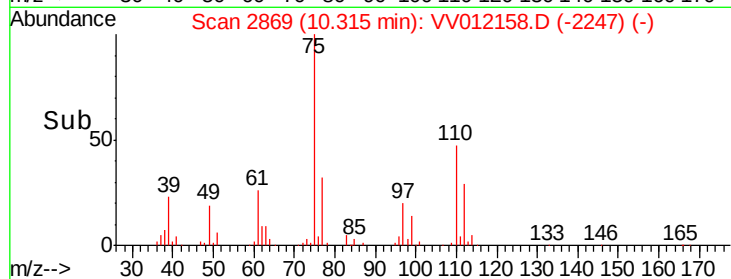
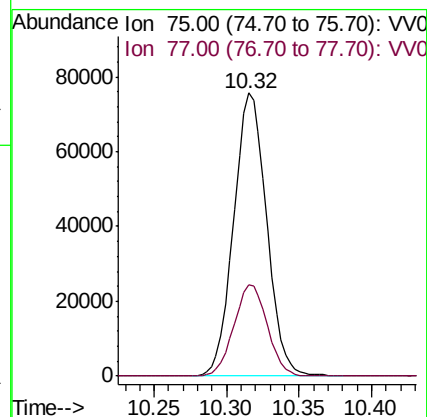
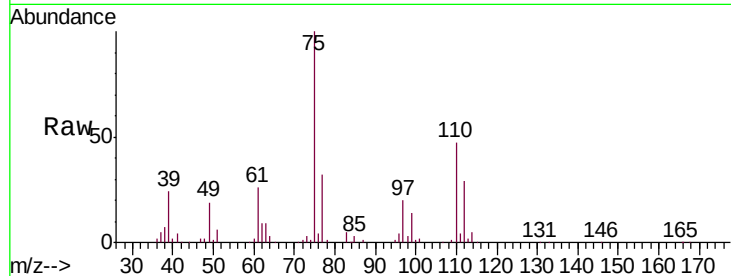
VSTD05066

Tgt Ion: 75 Resp: 119215

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5



#61

Bromoform

Concen: 59.108 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

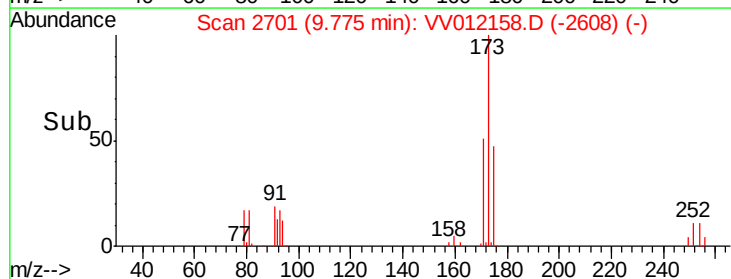
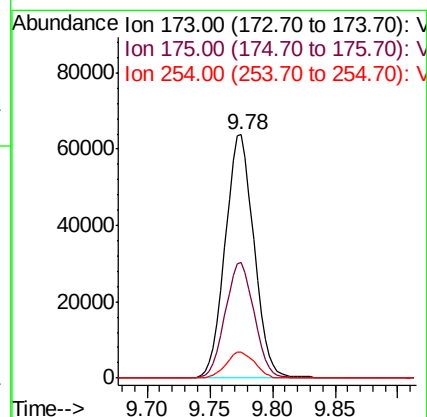
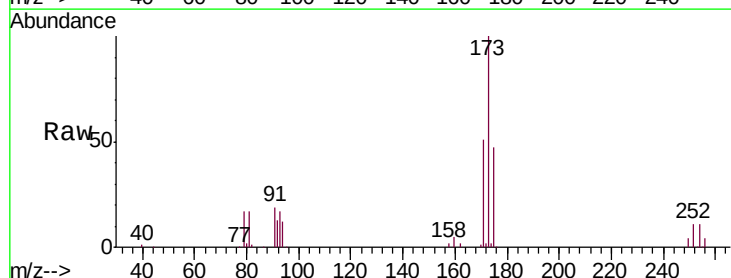
Tgt Ion: 173 Resp: 101987

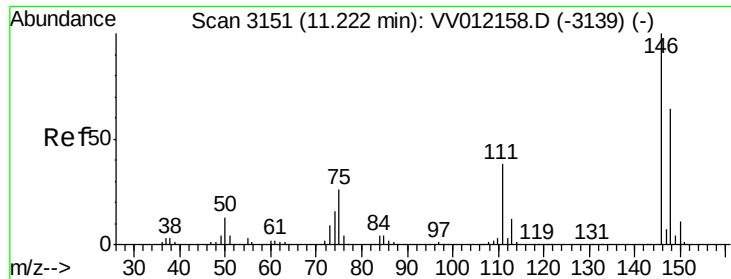
Ion Ratio Lower Upper

173 100

175 47.6 38.1 57.1

254 10.6 8.5 12.7

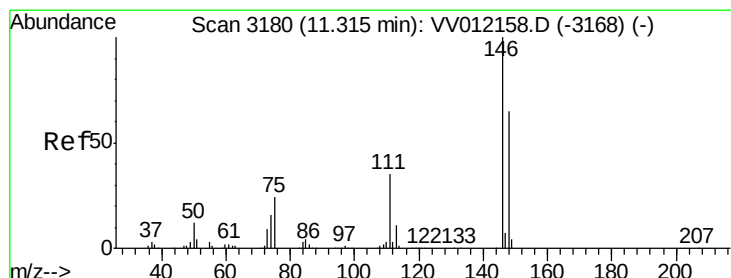
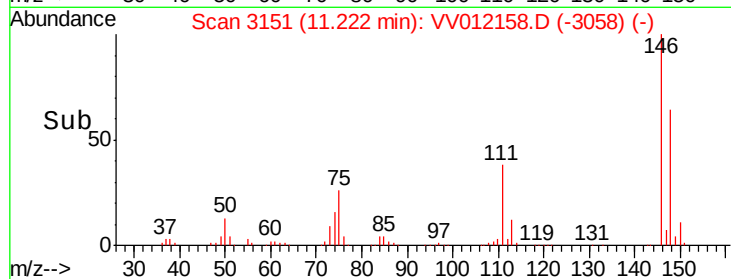
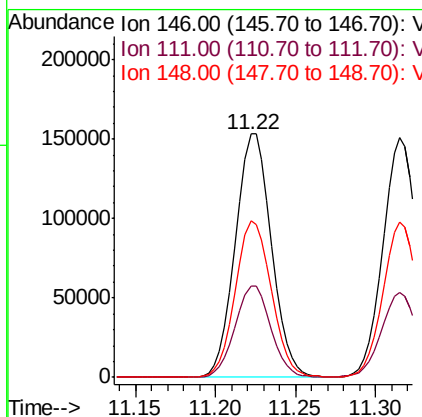
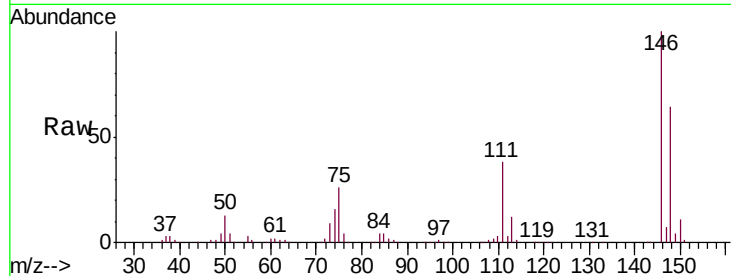




#62
 1,3-Dichlorobenzene
 Concen: 47.237 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

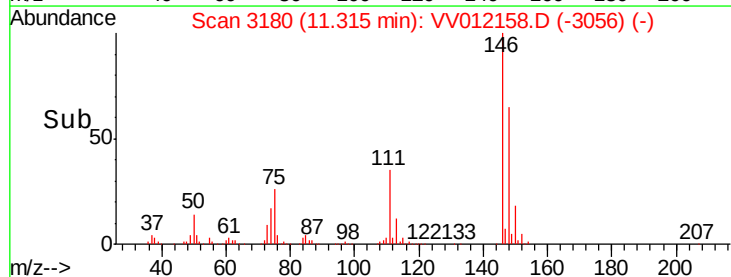
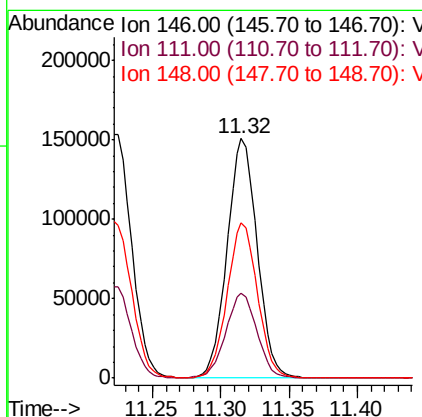
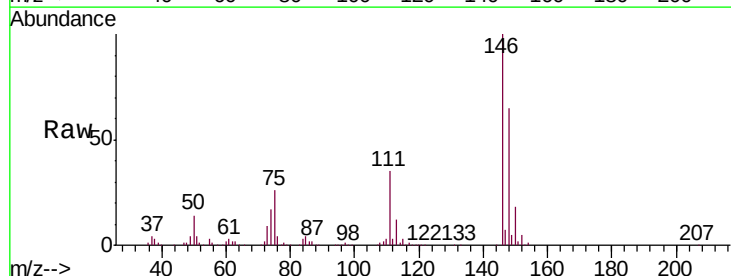
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

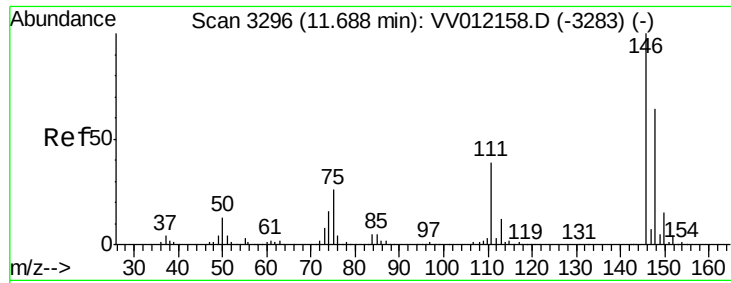
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.3	48.9
148	64.2	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 44.592 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	24.8	46.1
148	65.1	45.6	84.6

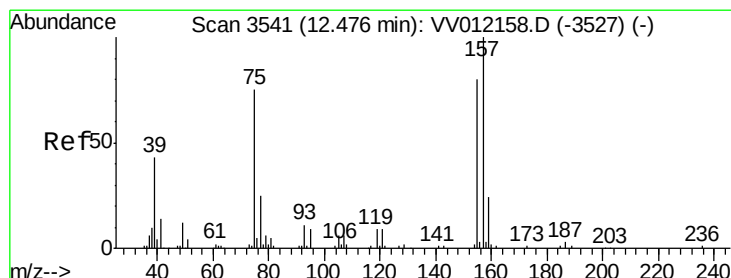
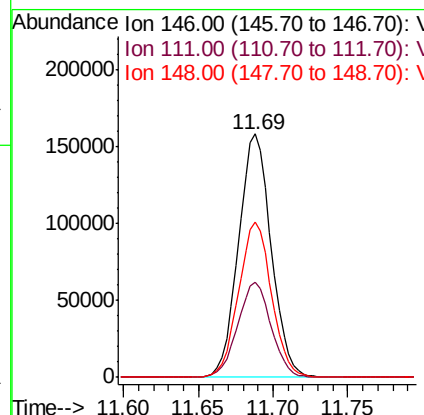
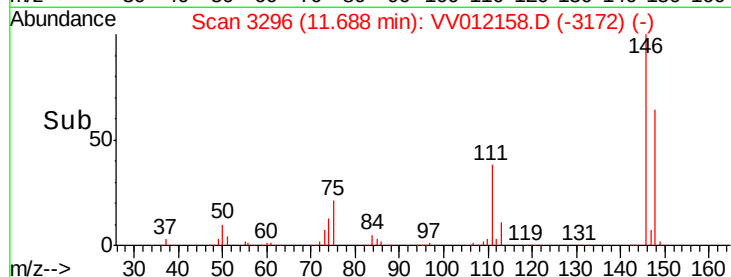
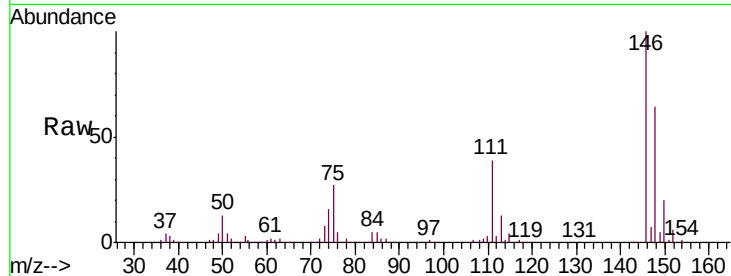




#65
 1,2-Dichlorobenzene
 Concen: 45.994 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

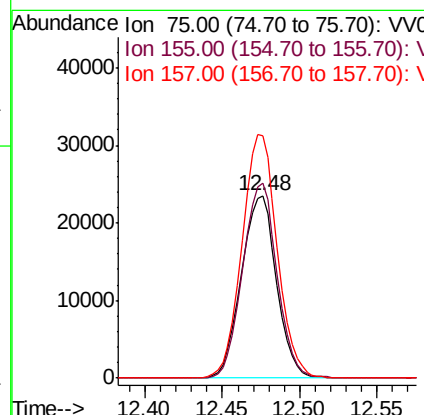
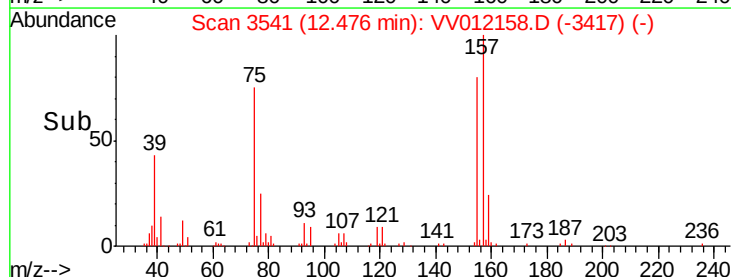
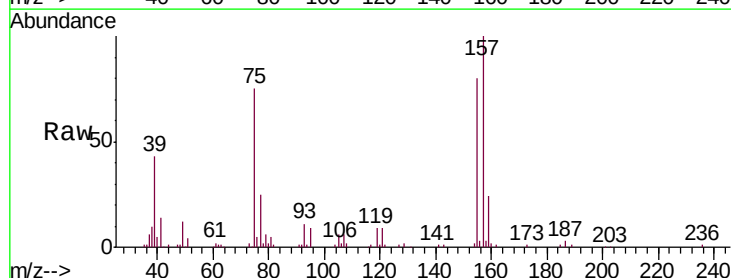
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

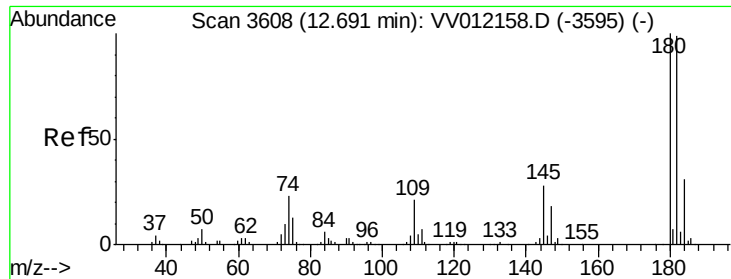
Tgt Ion: 146 Resp: 240747
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.2 46.8
 148 63.9 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.725 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion: 75 Resp: 37090
 Ion Ratio Lower Upper
 75 100
 155 107.1 85.7 128.5
 157 133.1 106.5 159.7

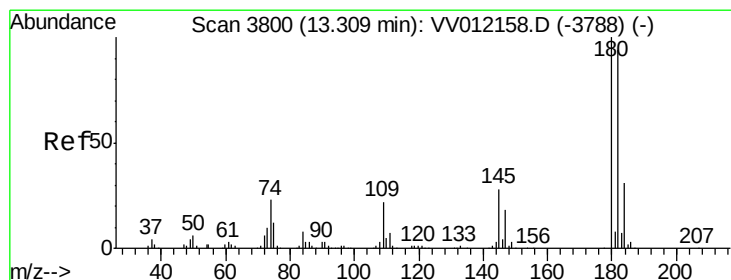
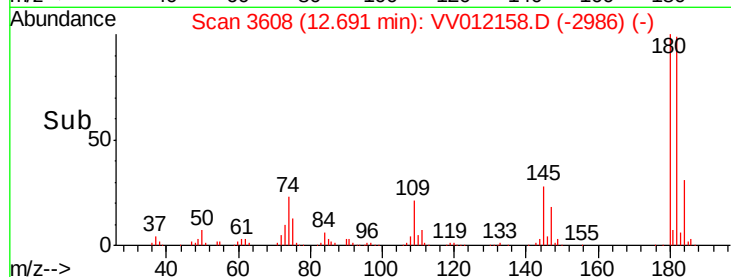
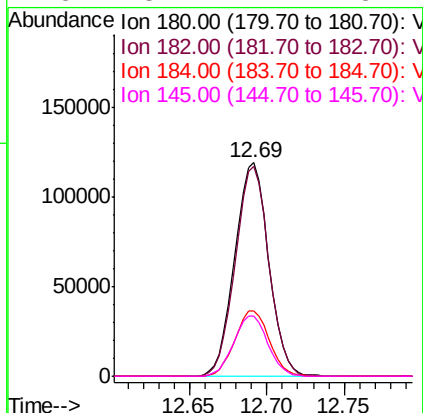
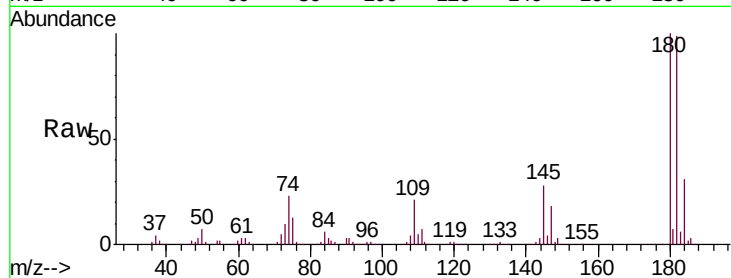




#67
 1,3,5-Trichlorobenzene
 Concen: 52.479 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

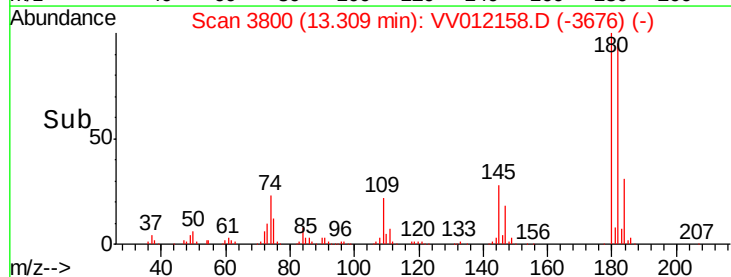
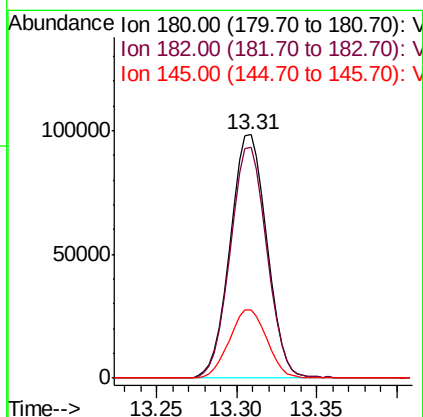
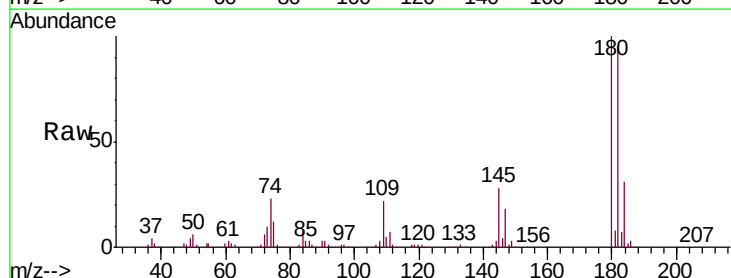
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

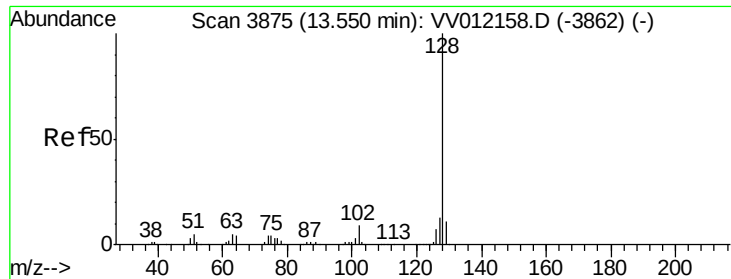
Tgt Ion:	180	Resp:	181510
Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
184	31.1	24.9	37.3
145	28.4	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 54.813 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012158.D
 Acq: 09 Aug 2019 17:56

Tgt Ion:	180	Resp:	153678
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	28.7	23.0	34.4





#69

Naphthalene

Concen: 60.685 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

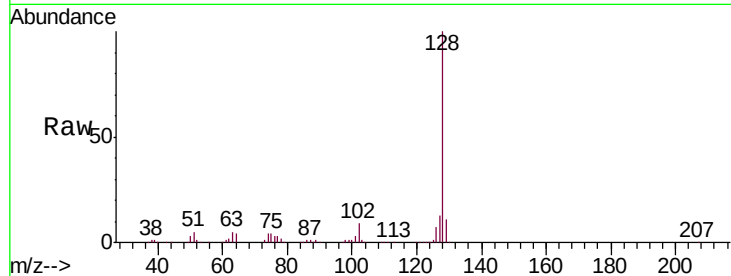
Tgt Ion:128 Resp: 453453

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

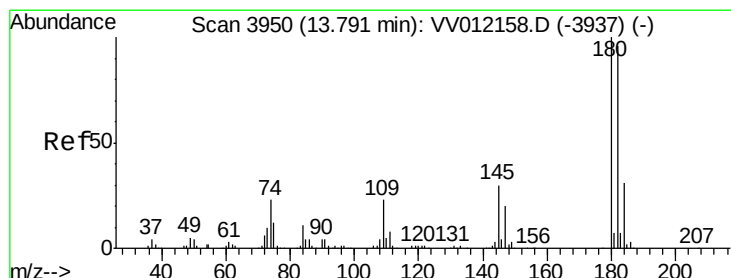
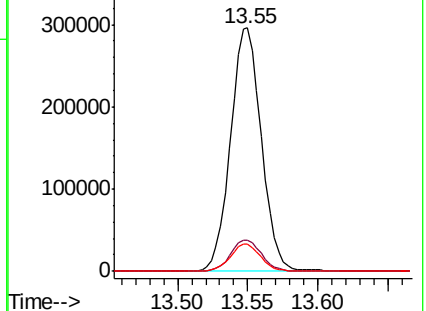
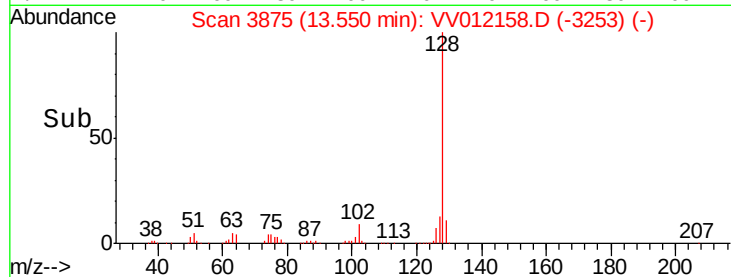
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 57.166 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012158.D

Acq: 09 Aug 2019 17:56

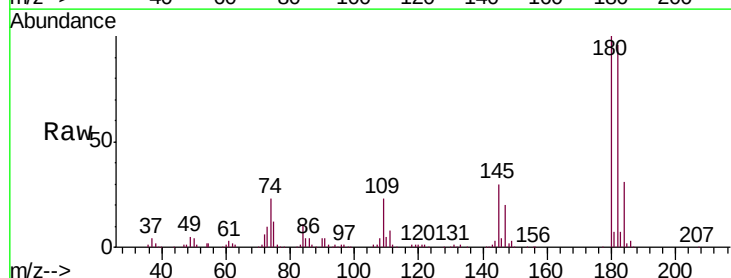
Tgt Ion:180 Resp: 162317

Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

145 31.1 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

