

Data File : VV011949.D
Acq On : 22 Jul 2019 15:36
Operator : SY/MD
Sample : VSTD00132
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Quant Time: Jul 23 06:54:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 06:51:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	144634	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	139735	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70143	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8531	0.84	ug/L	0.00
7) Chloroethane-d5	1.59	69	6737	0.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	15631	0.92	ug/L	0.00
20) 2-Butanone-d5	3.97	46	22328	8.55	ug/L	0.00
24) Chloroform-d	4.40	84	22406	1.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	10414	0.96	ug/L	0.00
32) Benzene-d6	5.10	84	41629	1.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	11687	0.95	ug/L	0.00
41) Toluene-d8	7.36	98	37946	1.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	4690	1.02	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	18017	9.76	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	8297	1.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	14401	1.02	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14136	0.945 ug/L	98
3) Chloromethane	1.25	50	8068	0.609 ug/L	94
5) Vinyl chloride	1.32	62	8100	0.630 ug/L	97
6) Bromomethane	1.54	94	4572	0.605 ug/L	97
8) Chloroethane	1.60	64	4550	0.623 ug/L	85
9) Trichlorofluoromethane	1.77	101	15363	0.890 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6991	0.857 ug/L	97
12) 1,1-Dichloroethene	2.14	96	6295	0.839 ug/L	95
13) Acetone	2.22	43	11167	8.326 ug/L	88
14) Carbon disulfide	2.32	76	17071	0.797 ug/L	97
15) Methyl Acetate	2.48	43	2824	1.022 ug/L #	81
16) Methylene chloride	2.54	84	7409	0.934 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	20696	0.890 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	9552	0.888 ug/L	95
19) 1,1-Dichloroethane	3.23	63	16525	0.820 ug/L	99
21) 2-Butanone	4.05	43	20313	7.816 ug/L	79
22) cis-1,2-Dichloroethene	3.96	96	10383	0.925 ug/L	95
23) Bromochloromethane	4.30	128	3941	0.858 ug/L	95
25) Chloroform	4.43	83	20912	0.947 ug/L	95
27) 1,2-Dichloroethane	5.18	62	10942	0.851 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	15550	0.894 ug/L	98
30) Cyclohexane	4.73	56	14438	0.807 ug/L	99
31) Carbon tetrachloride	4.87	117	13867	0.905 ug/L	100
33) Benzene	5.14	78	36326	0.839 ug/L	100
34) Trichloroethene	5.96	95	9969	0.827 ug/L	98
35) Methylcyclohexane	6.17	83	14653	0.800 ug/L	99
37) 1,2-Dichloropropane	6.22	63	9173	0.884 ug/L #	97
38) Bromodichloromethane	6.56	83	11651	0.885 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	12099	0.828 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	47105	7.587 ug/L	98

Data File : VV011949.D
Acq On : 22 Jul 2019 15:36
Operator : SY/MD
Sample : VSTD00132
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Quant Time: Jul 23 06:54:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 23 06:51:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	38879	0.853	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	9356	0.804	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	5919	0.824	ug/L	90
47) Tetrachloroethene	8.02	164	8725	0.955	ug/L	98
48) 2-Hexanone	8.19	43	33222	7.495	ug/L	96
49) Dibromochloromethane	8.29	129	7164	0.898	ug/L	93
50) 1,2-Dibromoethane	8.40	107	5816	0.879	ug/L #	95
51) Chlorobenzene	8.92	112	26097	0.899	ug/L	98
52) Ethylbenzene	9.05	91	43967	0.870	ug/L	97
53) m,p-xylene	9.18	106	16297	0.862	ug/L	97
54) o-xylene	9.59	106	15109	0.860	ug/L	98
55) Styrene	9.60	104	24350	0.814	ug/L	98
56) Isopropylbenzene	9.97	105	42992	0.883	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	6608	0.949	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	4998	0.793	ug/L	99
61) Bromoform	9.77	173	3342	0.821	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	20328	0.887	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	21436	0.912	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	18756	0.879	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1199	0.992	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	17429	0.963	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	13508	0.942	ug/L	99
69) Naphthalene	13.55	128	18654	0.849	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	12166	0.937	ug/L	96

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

Data File : VV011949.D

Acq On : 22 Jul 2019 15:36

Operator : SY/MD

Sample : VSTD00132

Misc : 25ML/MSVOA V/WATER

```
ALS Vial      : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

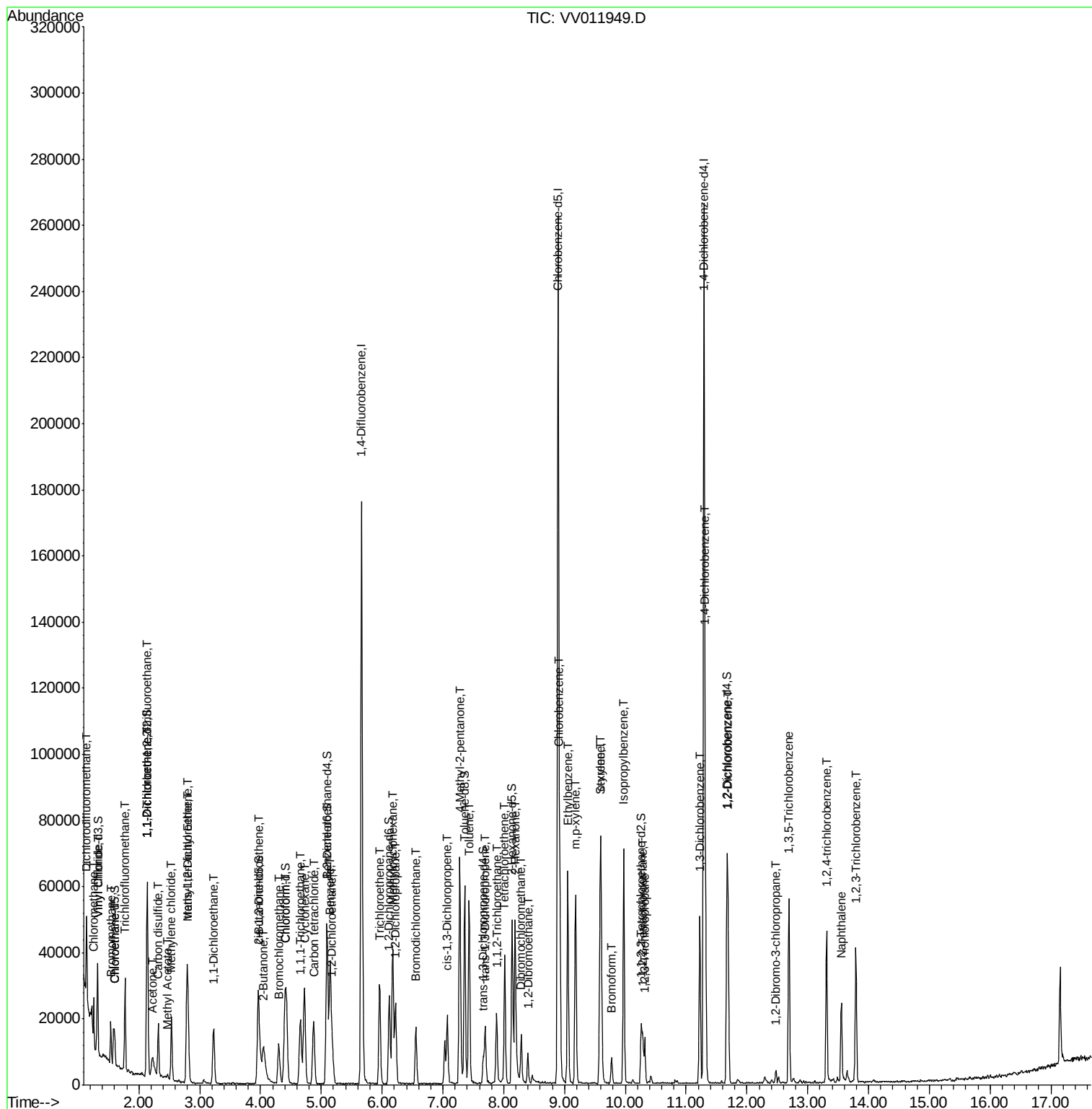
Quant Time: Jul 23 06:54:52 2019

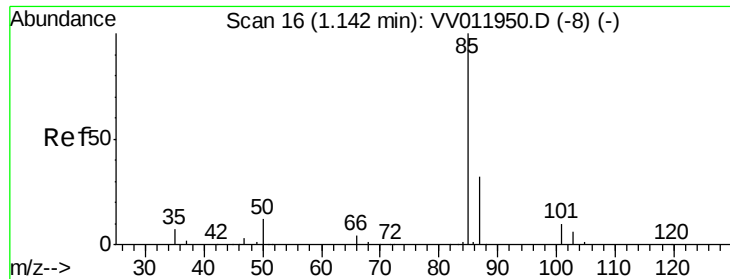
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR072219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jul 23 06:51:58 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.945 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

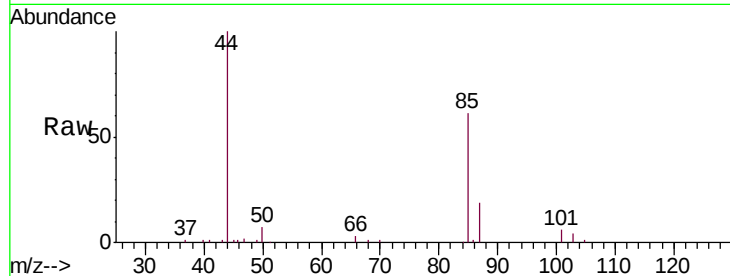
VSTD00132

Tgt Ion: 85 Resp: 14136

Ion Ratio Lower Upper

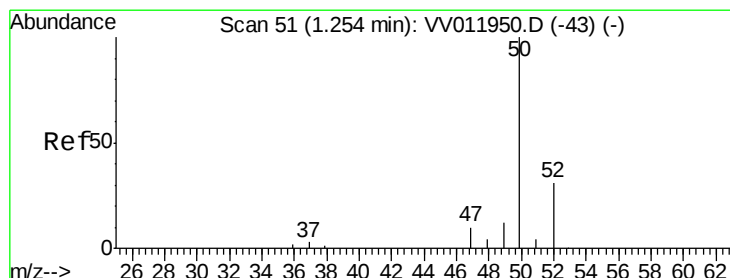
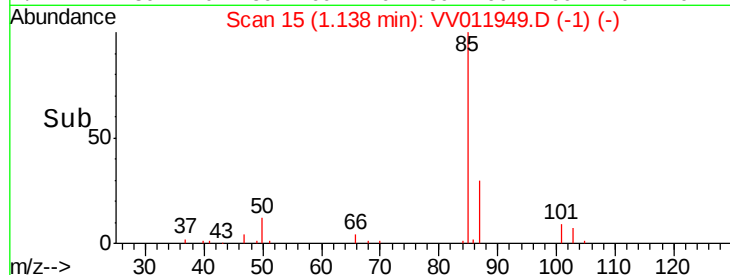
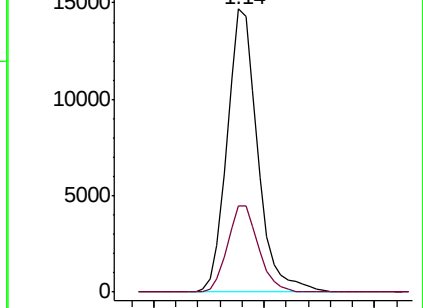
85 100

87 30.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV011950.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV011950.D (-8) (-)



#3

Chloromethane

Concen: 0.609 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011949.D

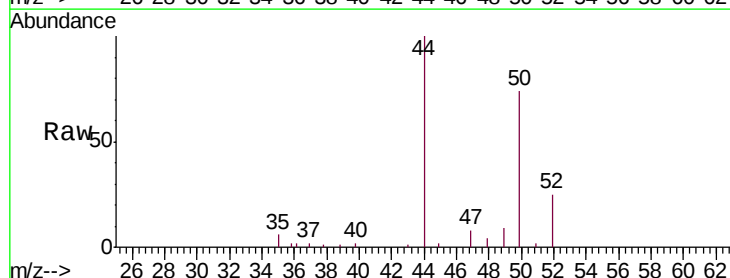
Acq: 22 Jul 2019 15:36

Tgt Ion: 50 Resp: 8068

Ion Ratio Lower Upper

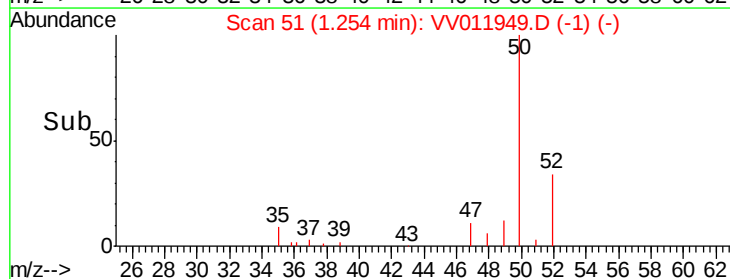
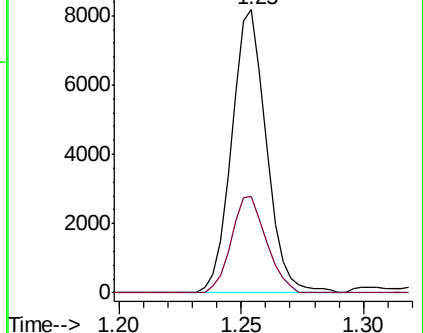
50 100

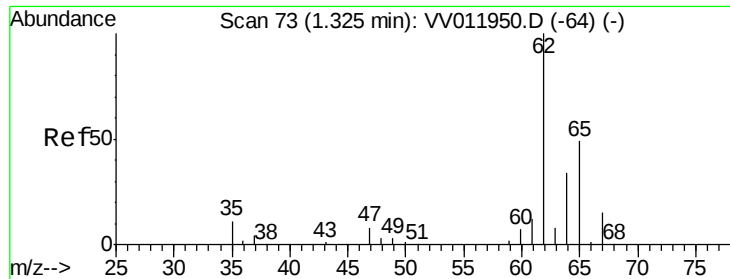
52 34.1 21.6 40.2



Abundance Ion 50.05 (49.75 to 50.75): VV011950.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV011950.D (-43) (-)





#5

Vinyl chloride

Concen: 0.630 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

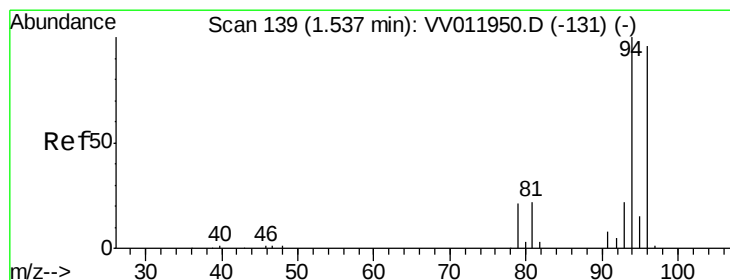
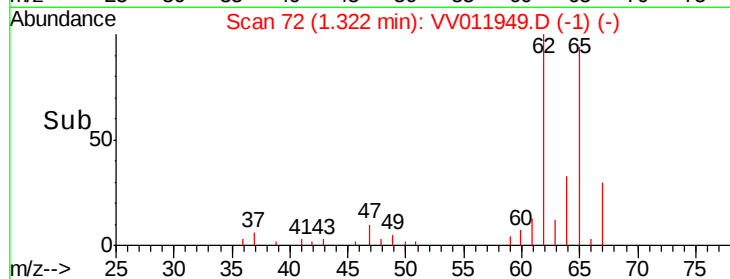
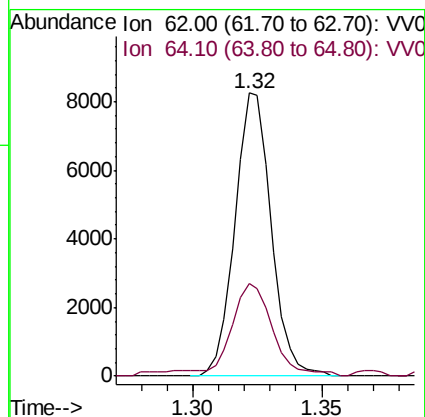
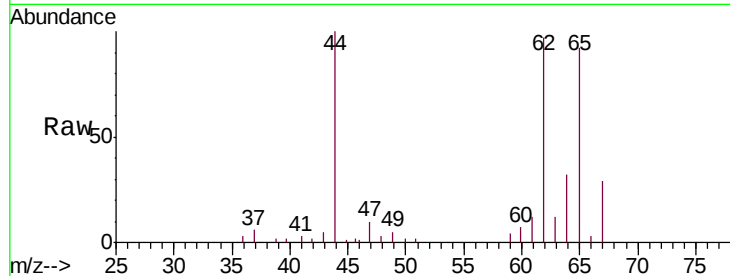
VSTD00132

Tgt Ion: 62 Resp: 8100

Ion Ratio Lower Upper

62 100

64 32.9 24.3 45.1



#6

Bromomethane

Concen: 0.605 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011949.D

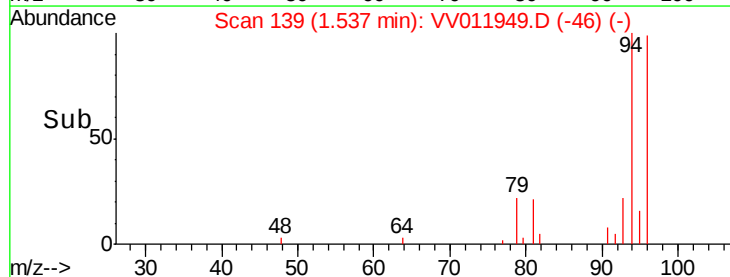
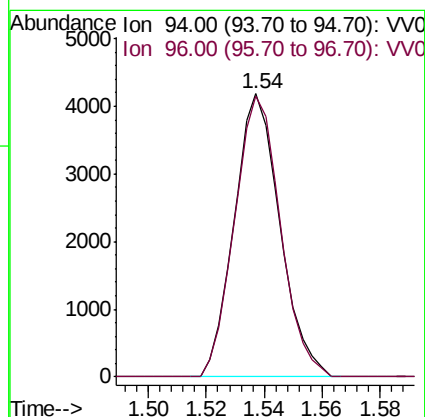
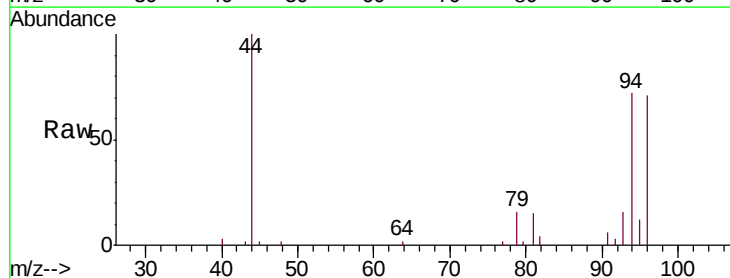
Acq: 22 Jul 2019 15:36

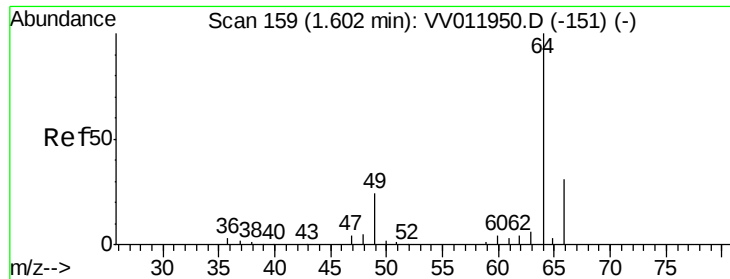
Tgt Ion: 94 Resp: 4572

Ion Ratio Lower Upper

94 100

96 99.2 67.3 125.1





#8

Chloroethane

Concen: 0.623 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

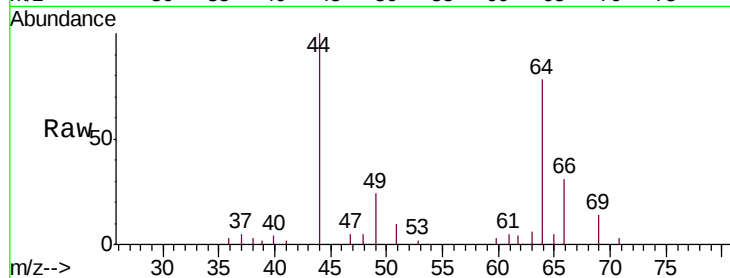
VSTD00132

Tgt Ion: 64 Resp: 4550

Ion Ratio Lower Upper

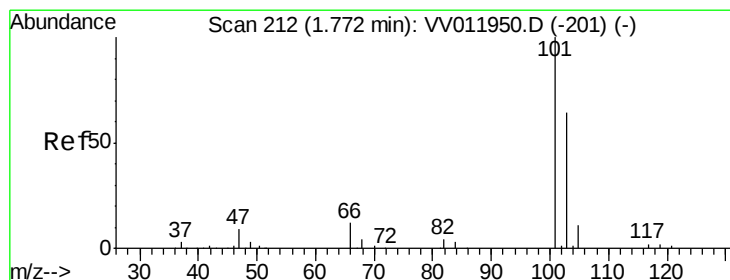
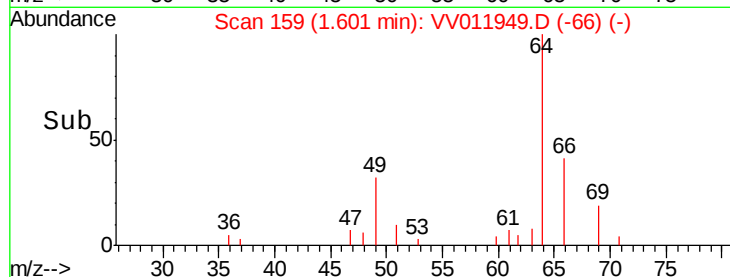
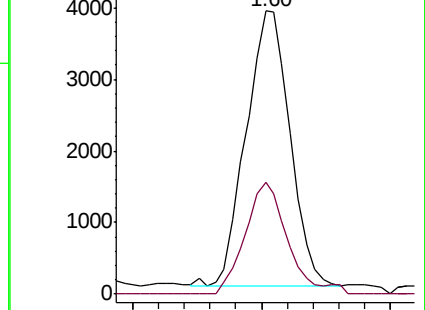
64 100

66 39.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011950.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV011950.D (-151) (-)



#9

Trichlorofluoromethane

Concen: 0.890 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV011949.D

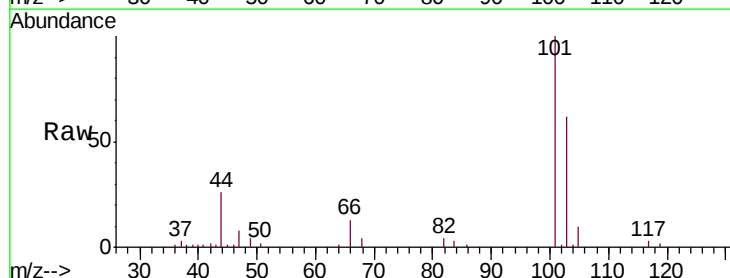
Acq: 22 Jul 2019 15:36

Tgt Ion: 101 Resp: 15363

Ion Ratio Lower Upper

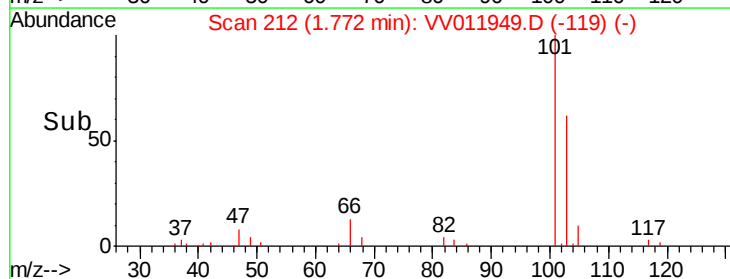
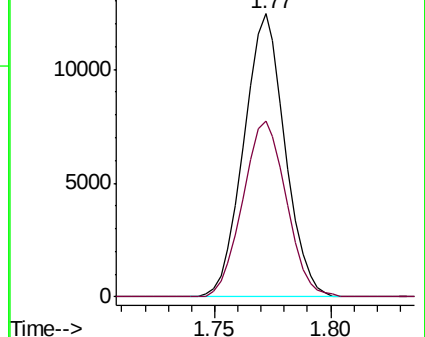
101 100

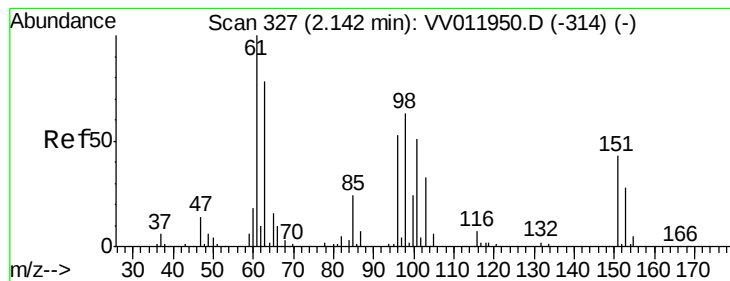
103 65.5 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VV011950.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011950.D (-201) (-)





#10

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

Concen: 0.857 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

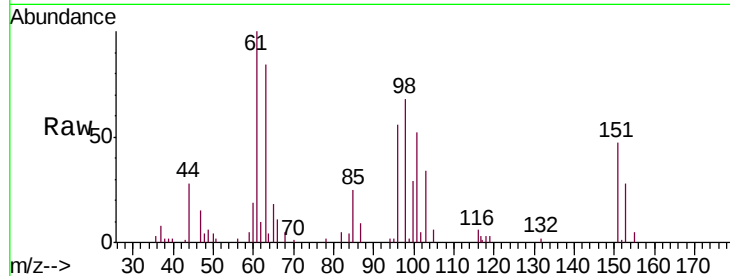
Tgt Ion:101 Resp: 6991

Ion Ratio Lower Upper

101 100

85 44.8 37.0 55.6

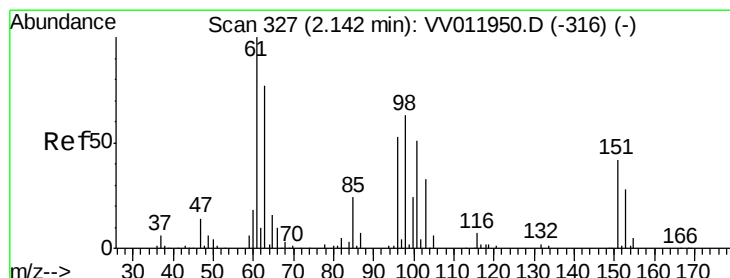
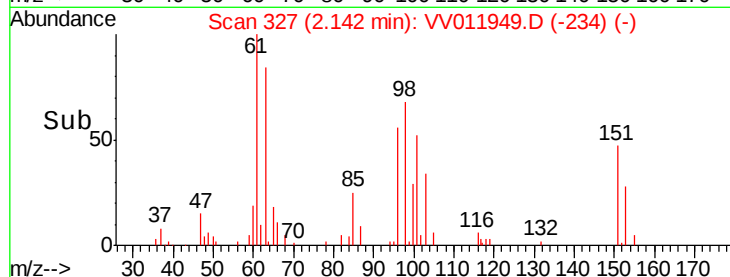
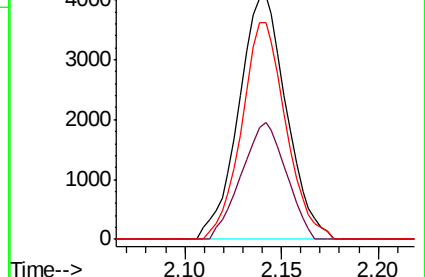
151 82.6 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): VV011949.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV011949.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV011949.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 0.839 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

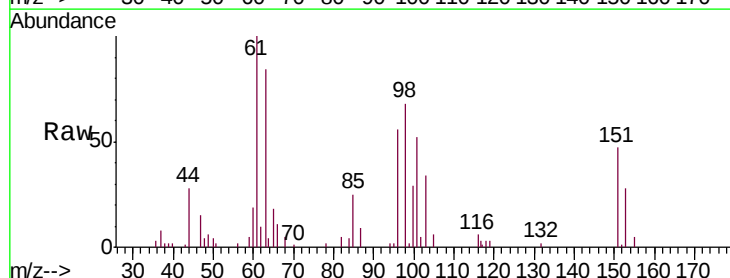
Tgt Ion: 96 Resp: 6295

Ion Ratio Lower Upper

96 100

61 177.7 132.7 246.5

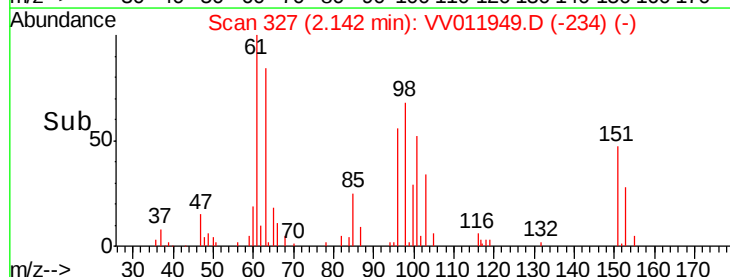
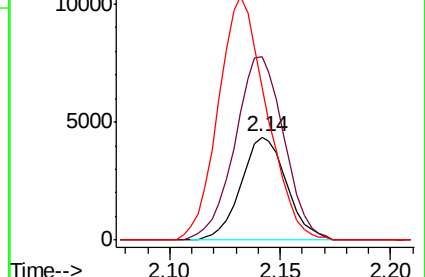
63 148.4 104.0 193.1

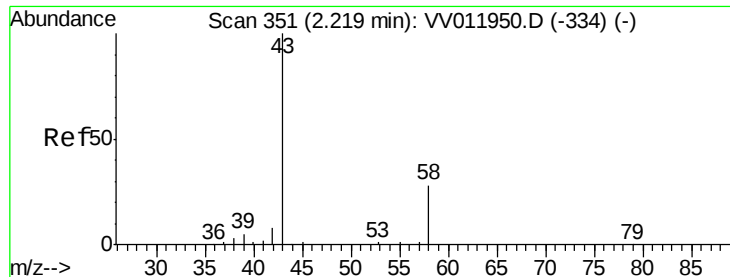


Abundance Ion 96.00 (95.70 to 96.70): VV011949.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV011949.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV011949.D (-234) (-)





#13

Acetone

Concen: 8.326 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

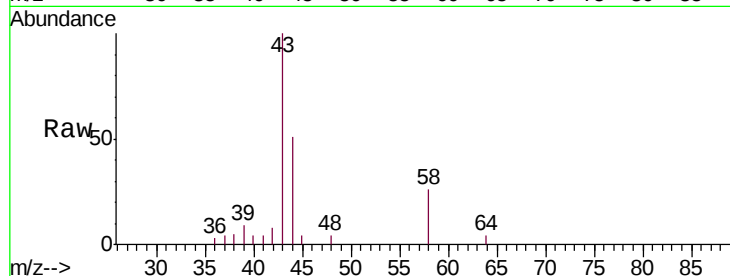
VSTD00132

Tgt Ion: 43 Resp: 11167

Ion Ratio Lower Upper

43 100

58 19.6 0.0 51.8

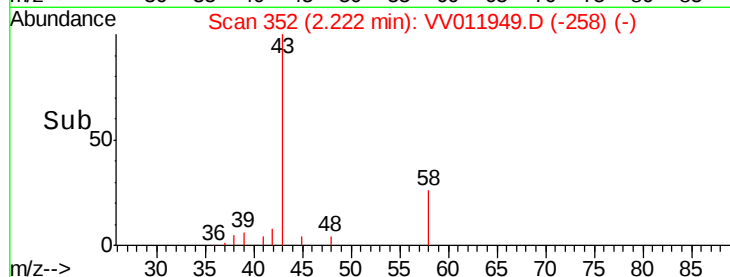


Abundance Ion 43.05 (42.75 to 43.75): VV011950.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011950.D (-334) (-)

2.22

Time-->



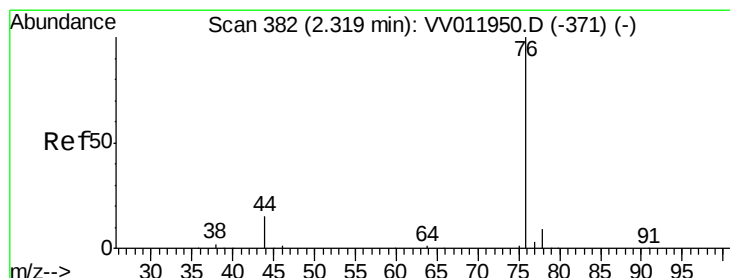
Abundance

Ion 43.05 (42.75 to 43.75): VV011949.D (-258) (-)

Ion 58.05 (57.75 to 58.75): VV011949.D (-258) (-)

2.22

Time-->



#14

Carbon disulfide

Concen: 0.797 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV011949.D

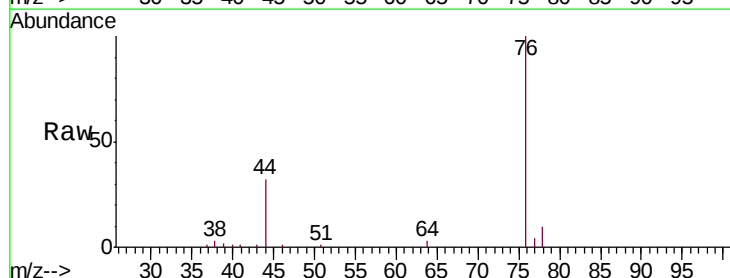
Acq: 22 Jul 2019 15:36

Tgt Ion: 76 Resp: 17071

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9

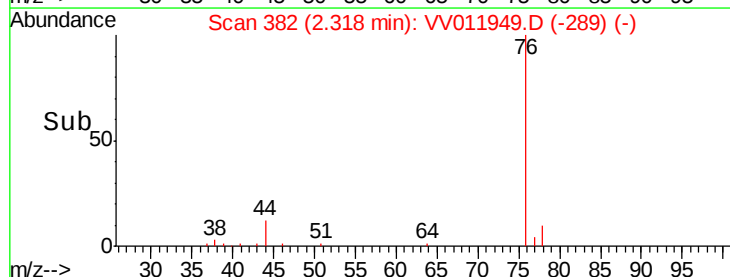


Abundance Ion 76.05 (75.75 to 76.75): VV011950.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV011950.D (-371) (-)

2.32

Time-->



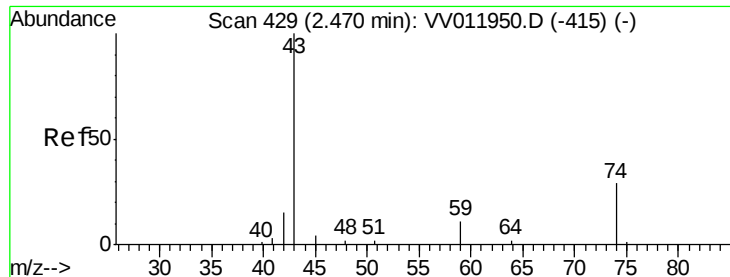
Abundance

Ion 76.05 (75.75 to 76.75): VV011949.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV011949.D (-289) (-)

2.32

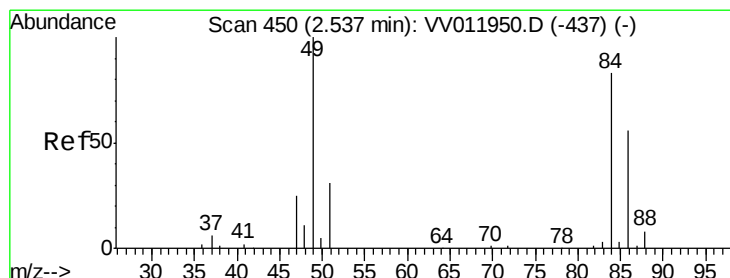
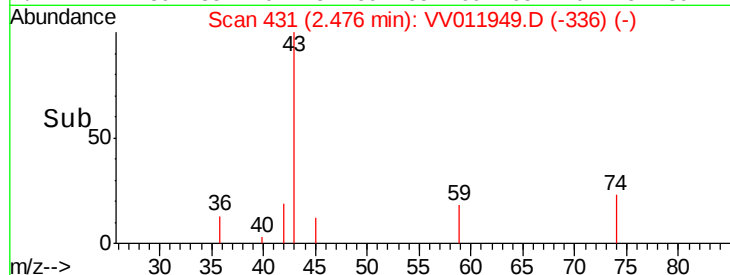
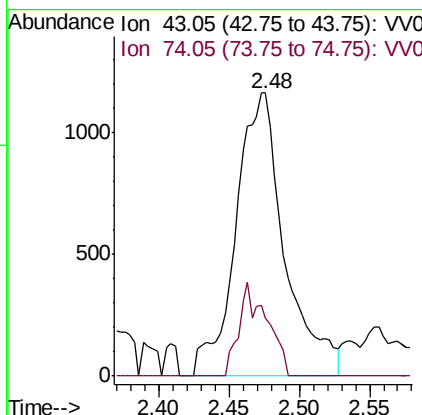
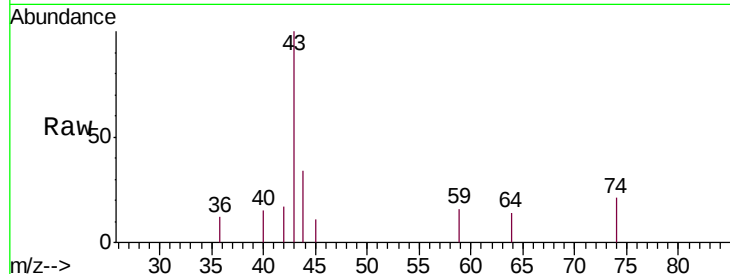
Time-->



#15
Methyl Acetate
Concen: 1.022 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

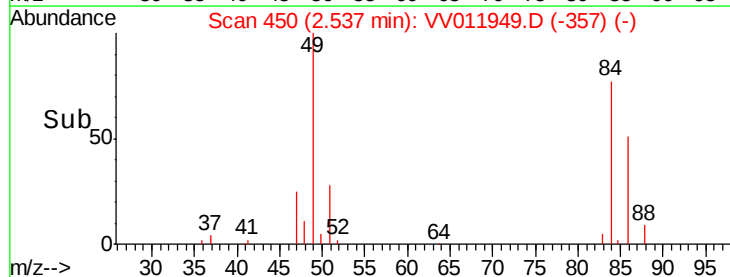
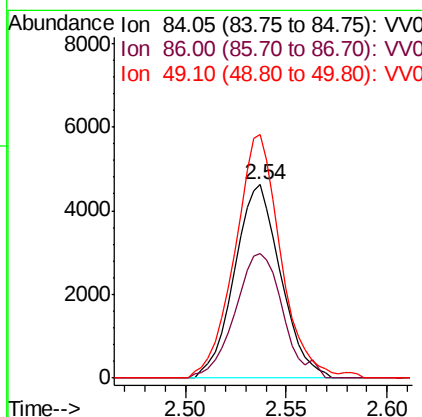
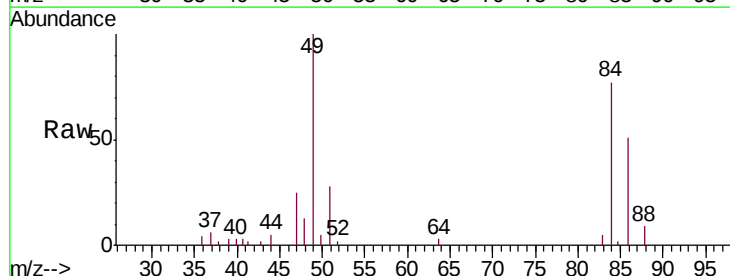
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

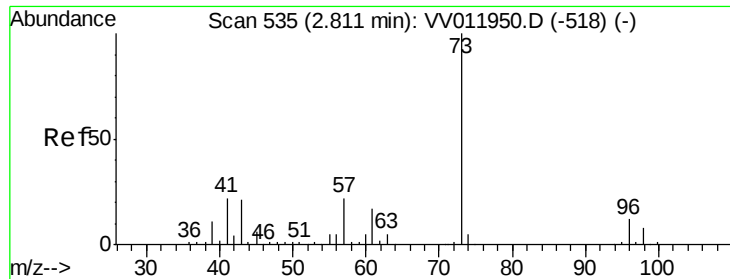
Tgt Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
74 19.0 23.4 35.2#



#16
Methylene chloride
Concen: 0.934 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 84 Resp: 7409
Ion Ratio Lower Upper
84 100
86 64.3 47.6 88.4
49 126.1 84.3 156.5

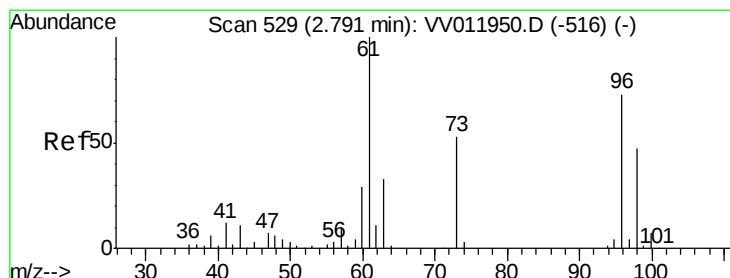
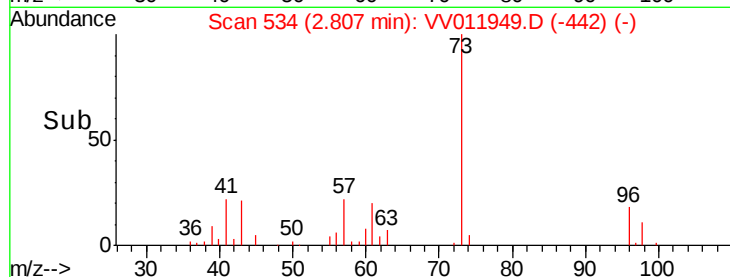
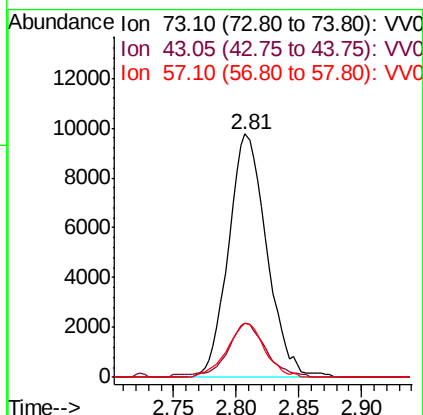
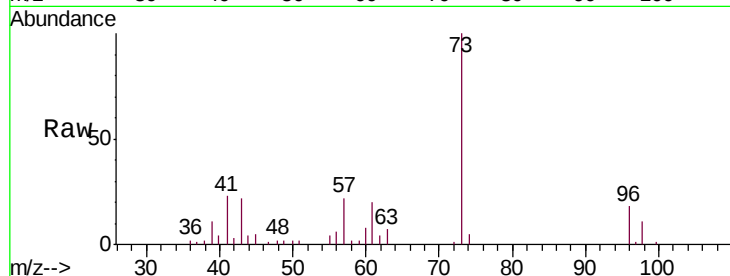




#17
Methyl tert-butyl Ether
Concen: 0.890 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

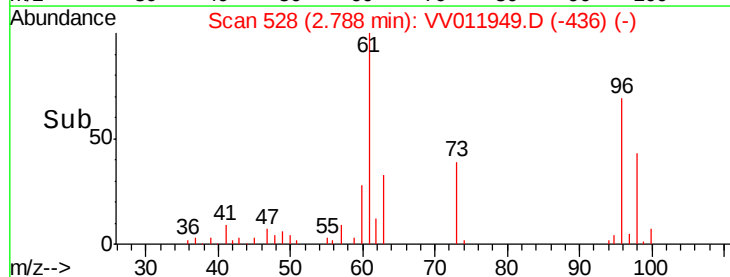
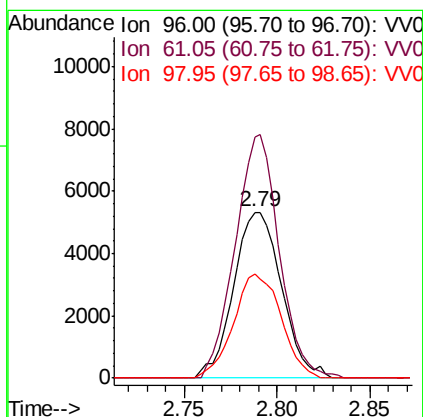
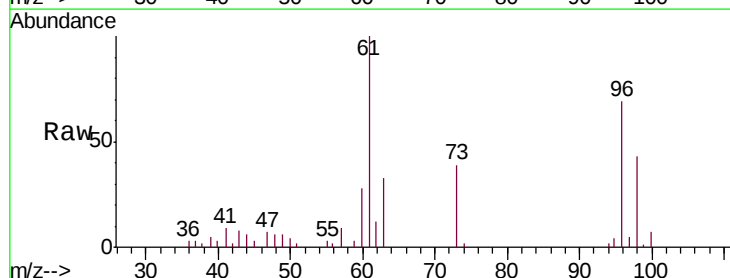
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

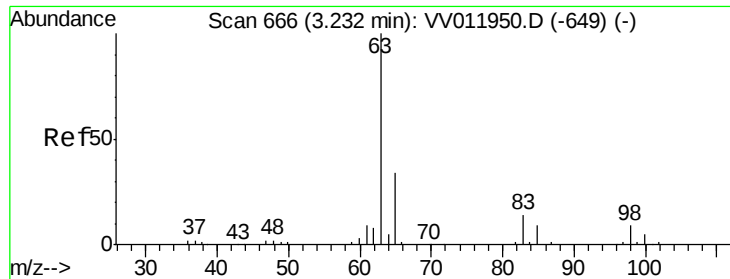
Tgt Ion: 73 Resp: 20696
Ion Ratio Lower Upper
73 100
43 22.7 17.0 25.4
57 21.9 17.0 25.6



#18
trans-1,2-Dichloroethene
Concen: 0.888 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 96 Resp: 9552
Ion Ratio Lower Upper
96 100
61 144.9 95.4 177.2
98 62.3 44.4 82.5

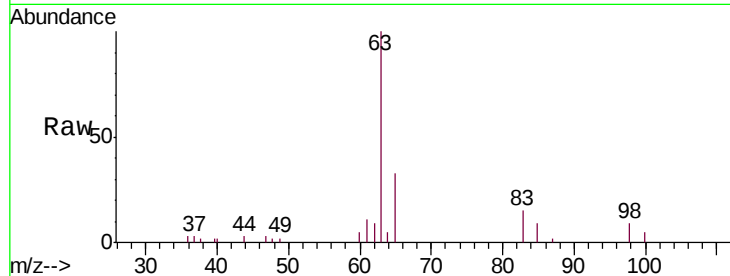




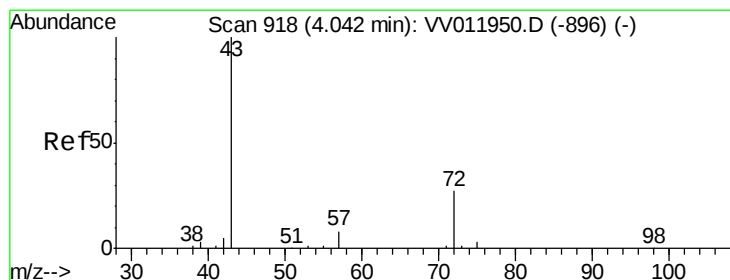
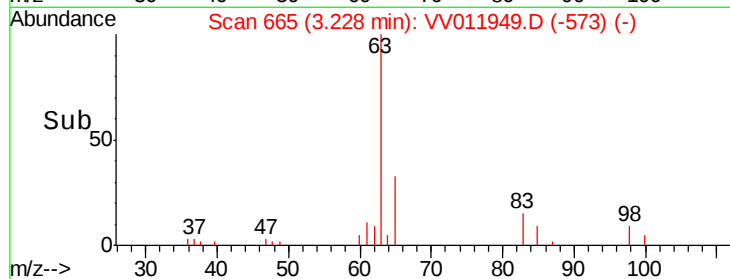
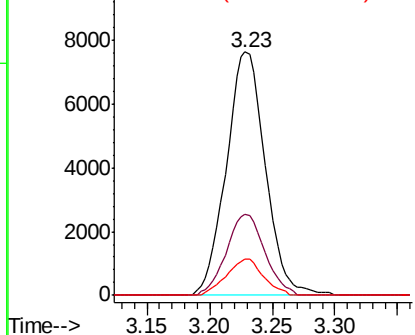
#19
 1,1-Dichloroethane
 Concen: 0.820 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 63 Resp: 16525
 Ion Ratio Lower Upper
 63 100
 65 33.4 23.5 43.7
 83 14.7 9.7 18.1

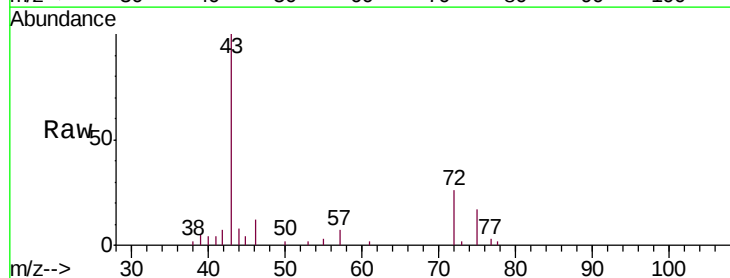


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

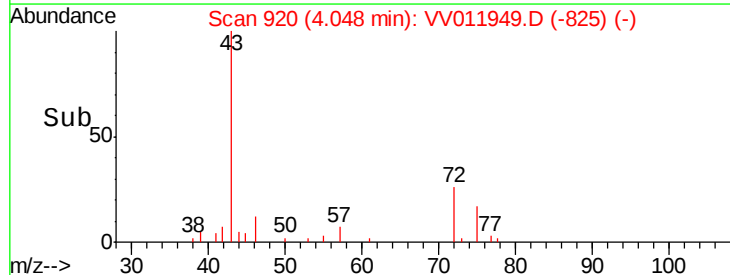
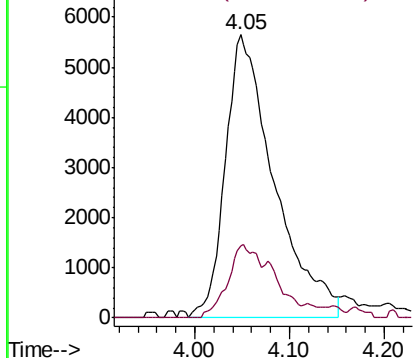


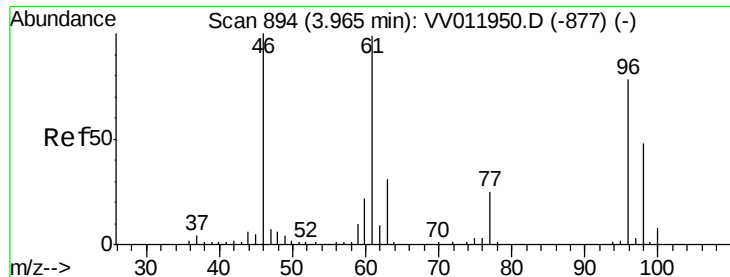
#21
 2-Butanone
 Concen: 7.816 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 20313
 Ion Ratio Lower Upper
 43 100
 72 16.1 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



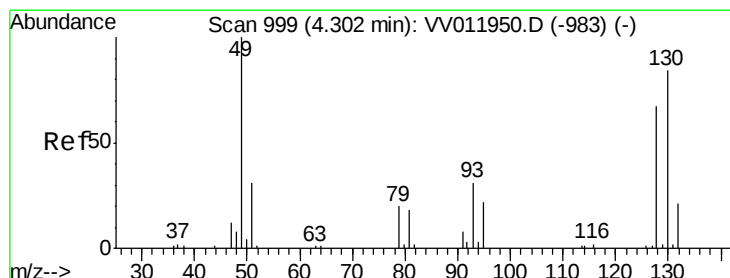
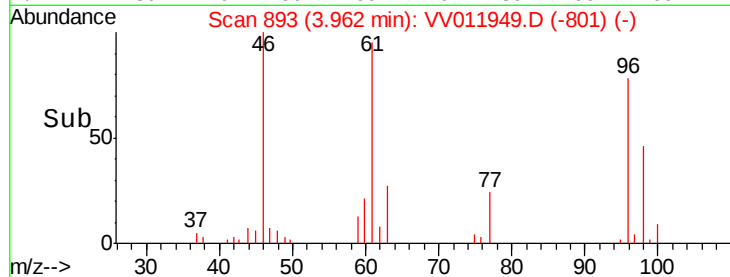
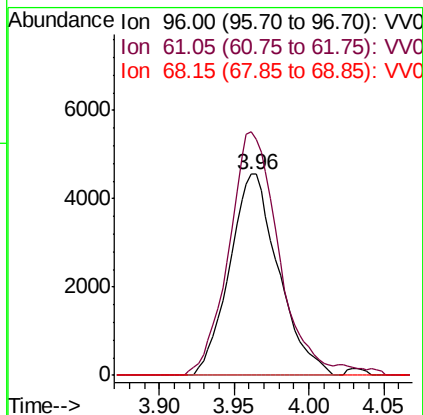
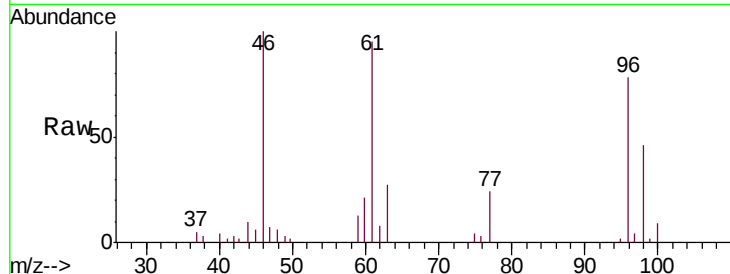


#22

cis-1,2-Dichloroethene
 Concen: 0.925 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

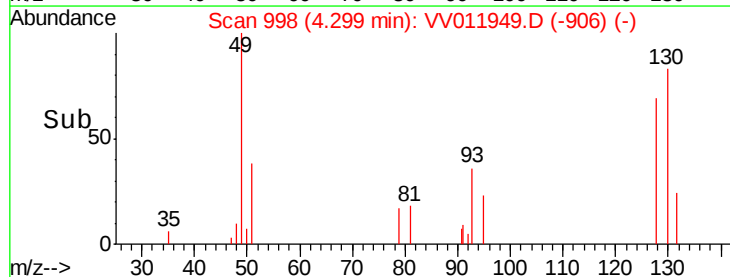
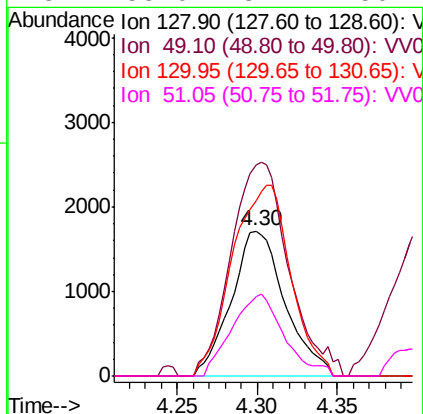
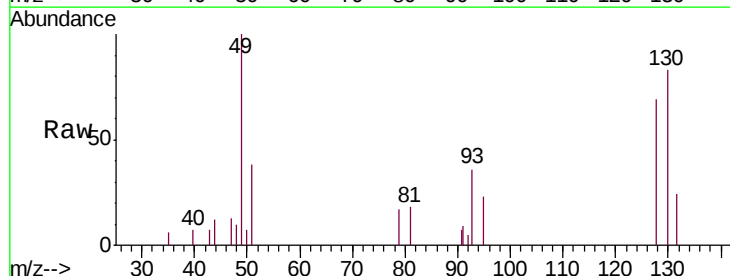
Tgt Ion: 96 Resp: 10383
 Ion Ratio Lower Upper
 96 100
 61 120.9 89.0 165.2
 68 0.0 0.0 0.0

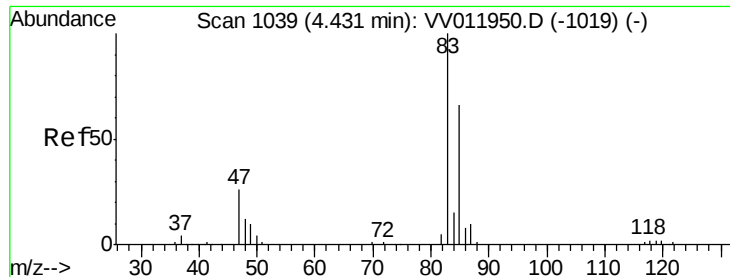


#23

Bromochloromethane
 Concen: 0.858 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 128 Resp: 3941
 Ion Ratio Lower Upper
 128 100
 49 145.8 105.5 195.9
 130 120.7 88.4 164.2
 51 55.0 37.4 56.2

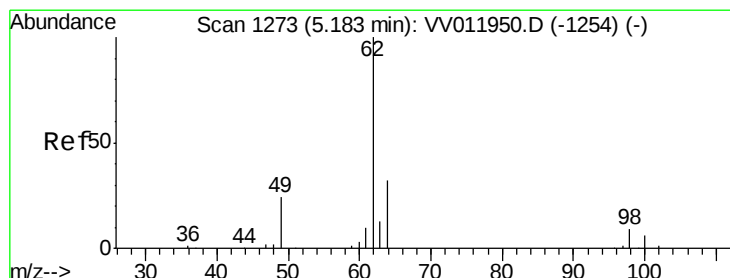
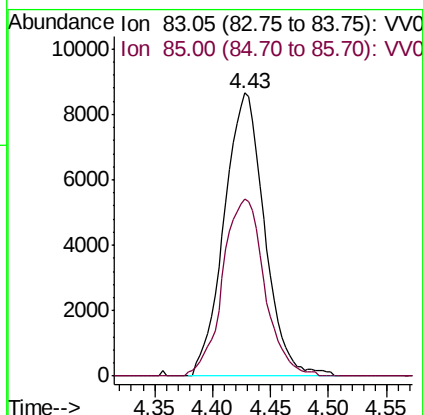
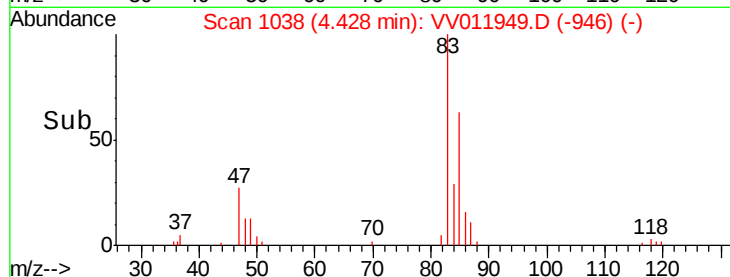
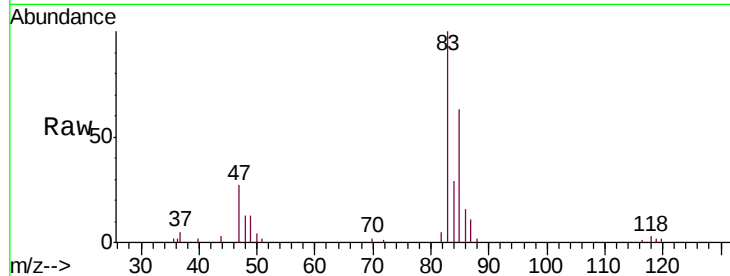




#25
Chloroform
Concen: 0.947 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

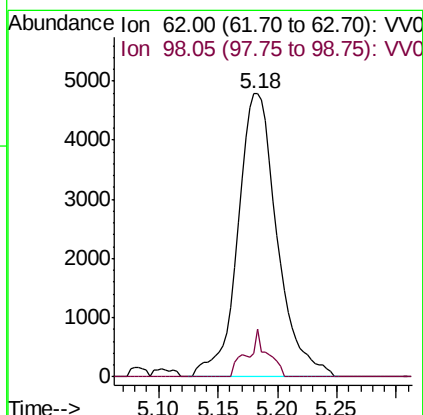
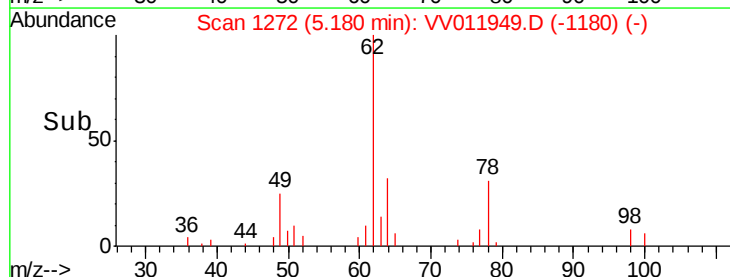
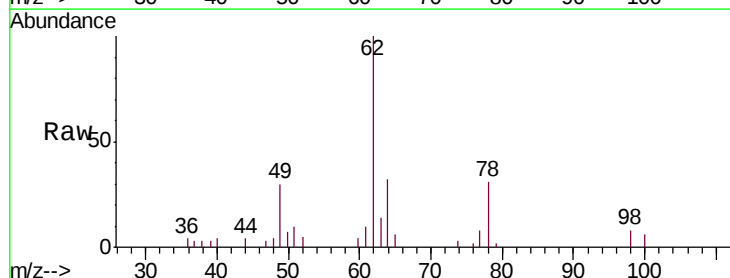
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

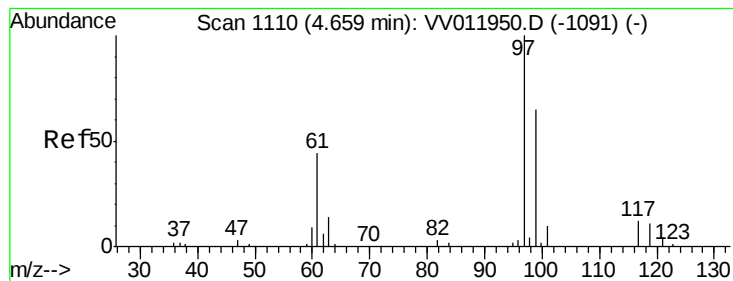
Tgt Ion: 83 Resp: 20912
Ion Ratio Lower Upper
83 100
85 62.5 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.851 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Tgt Ion: 62 Resp: 10942
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 0.894 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

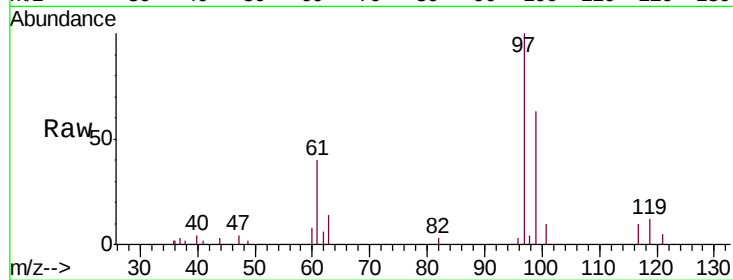
Tgt Ion: 97 Resp: 15550

Ion Ratio Lower Upper

97 100

99 66.3 51.7 77.5

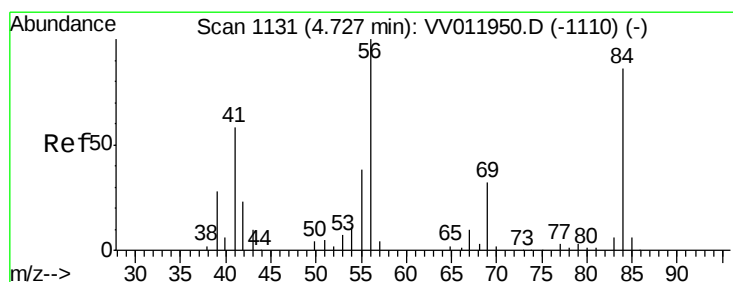
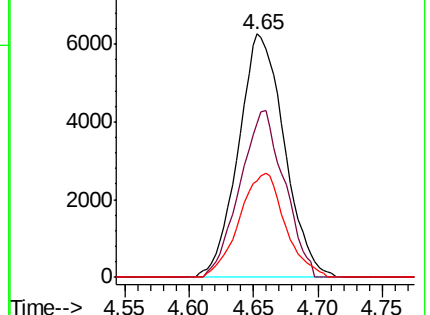
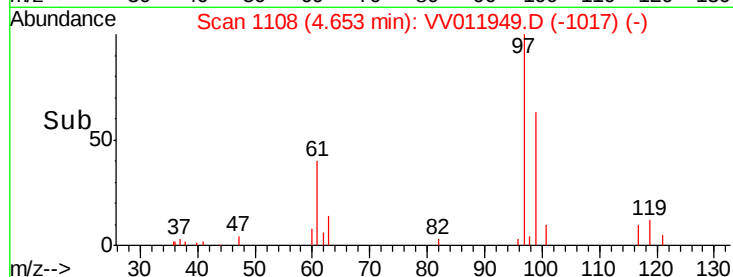
61 42.7 35.1 52.7



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.807 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

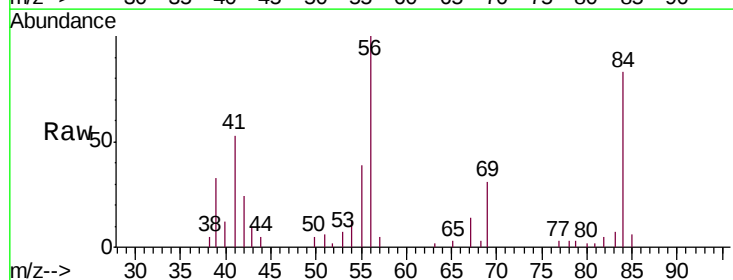
Tgt Ion: 56 Resp: 14438

Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

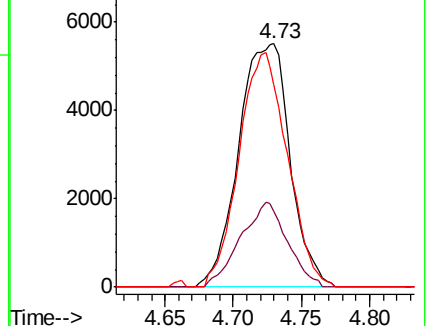
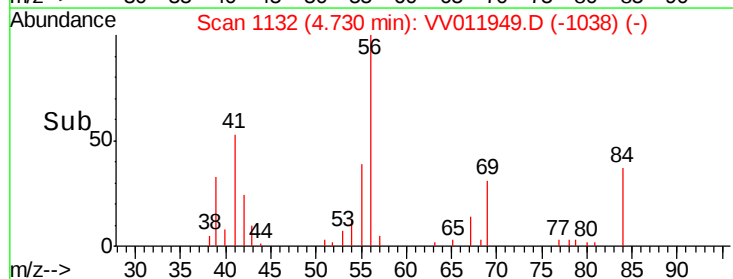
84 90.6 73.4 110.0

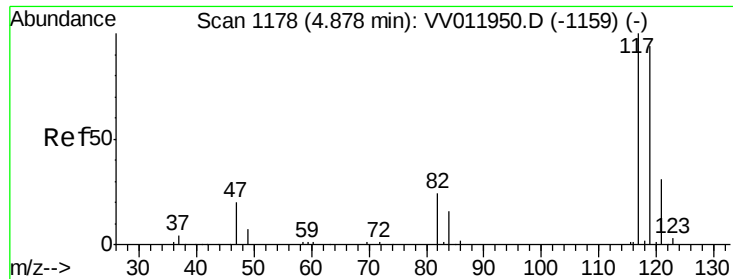


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.905 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

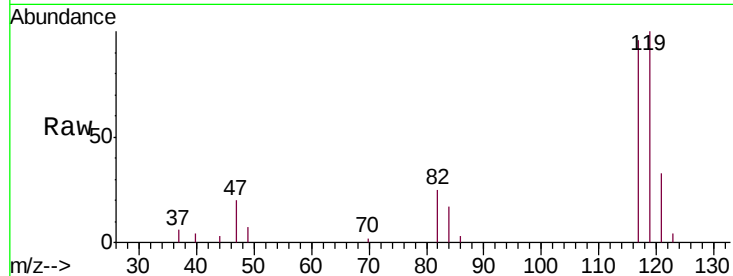
VSTD00132

Tgt Ion:117 Resp: 13867

Ion Ratio Lower Upper

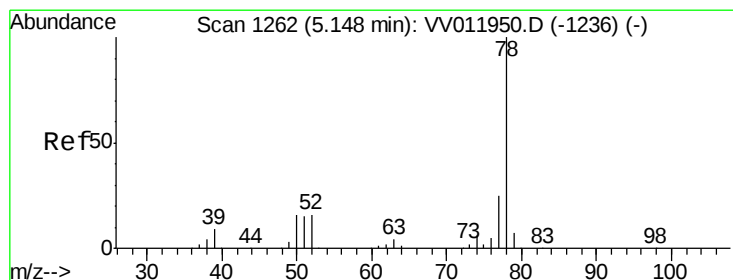
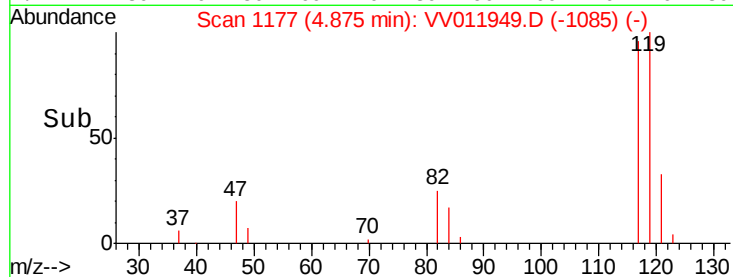
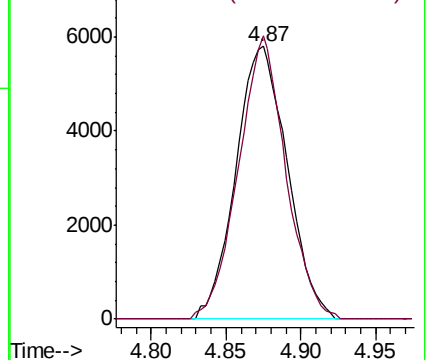
117 100

119 95.4 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.839 ug/L

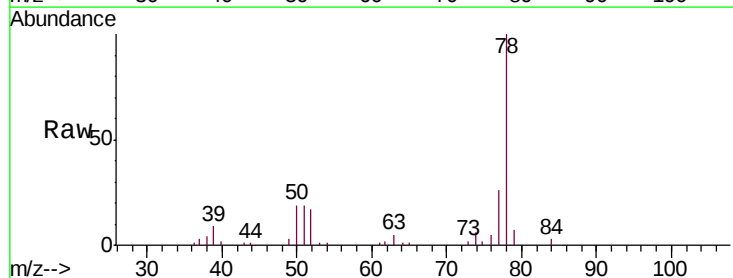
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

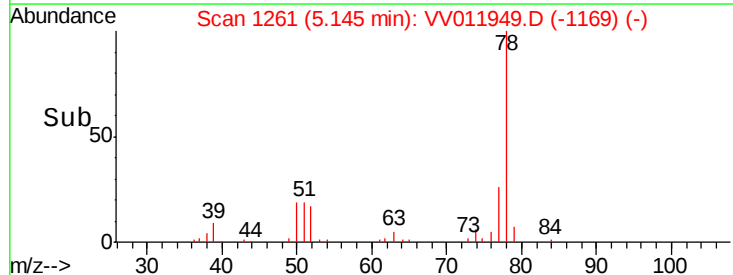
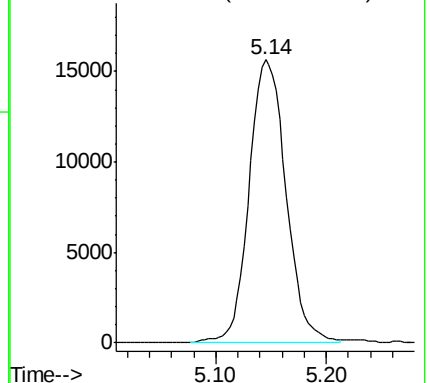
Lab File: VV011949.D

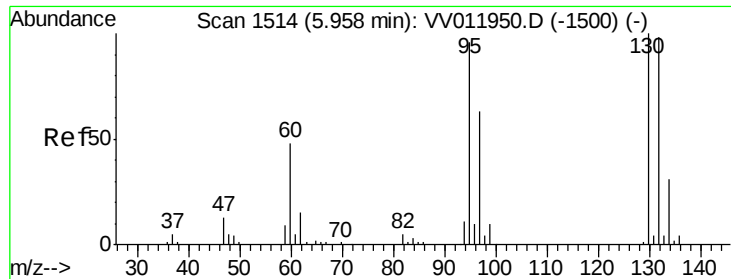
Acq: 22 Jul 2019 15:36

Tgt Ion: 78 Resp: 36326



Abundance Ion 78.10 (77.80 to 78.80): VV0

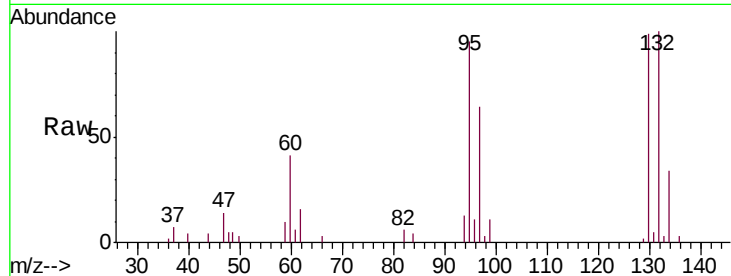




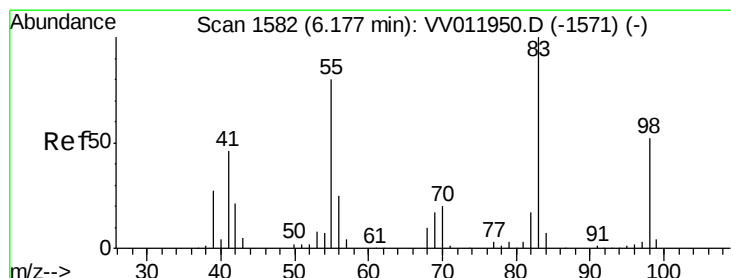
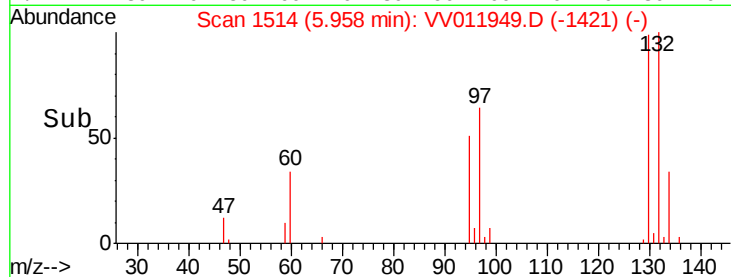
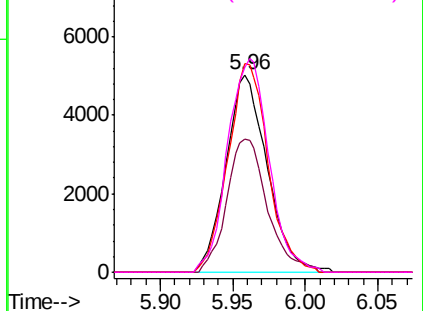
#34
 Trichloroethene
 Concen: 0.827 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 95 Resp: 9969
 Ion Ratio Lower Upper
 95 100
 97 67.3 45.6 84.6
 132 105.3 71.3 132.3
 130 103.9 72.8 135.2

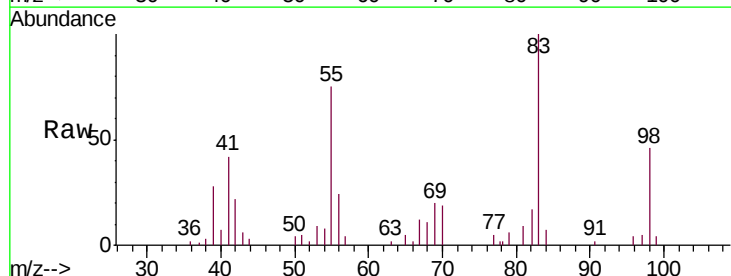


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

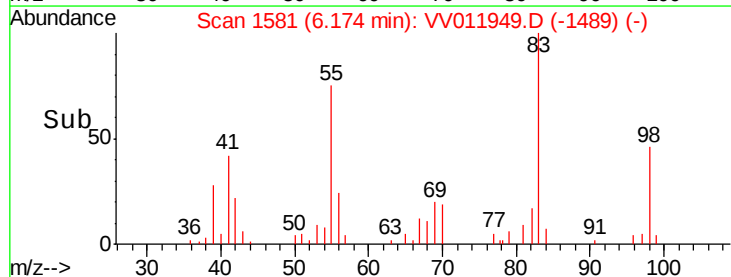
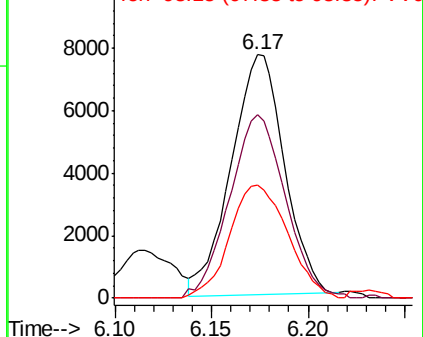


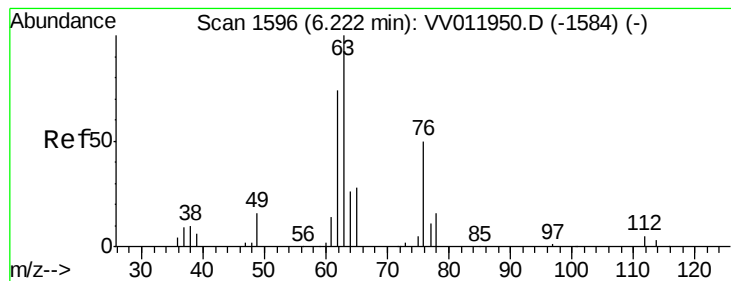
#35
 Methylcyclohexane
 Concen: 0.800 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 83 Resp: 14653
 Ion Ratio Lower Upper
 83 100
 55 80.5 63.0 94.4
 98 51.6 41.4 62.0



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: 0.884 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

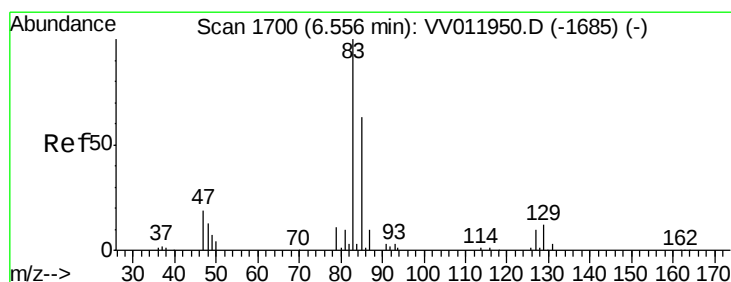
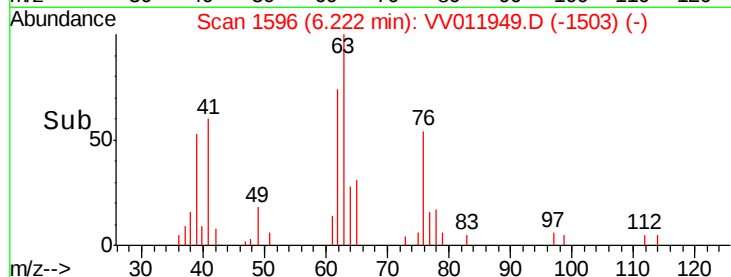
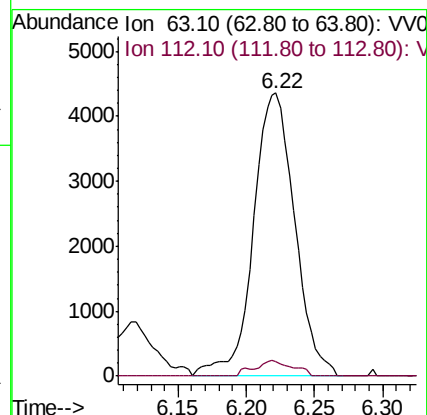
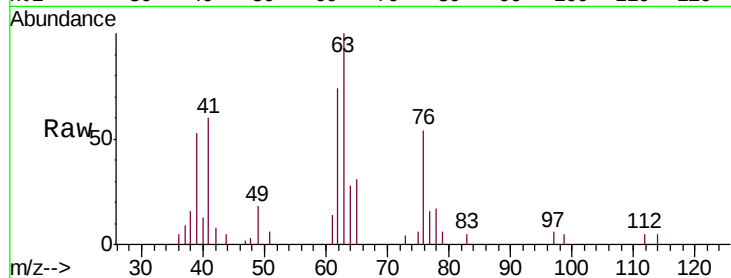
VSTD00132

Tgt Ion: 63 Resp: 9173

Ion Ratio Lower Upper

63 100

112 4.2 4.2 6.4#



#38

Bromodichloromethane

Concen: 0.885 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

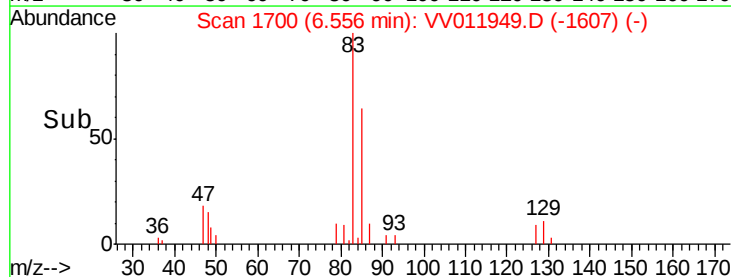
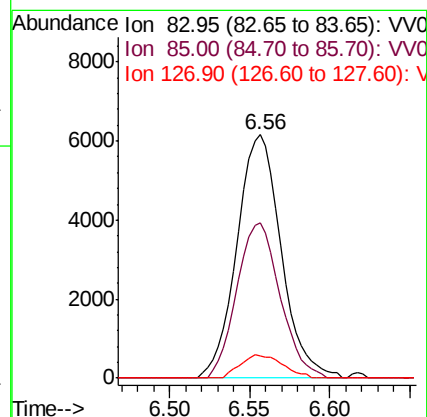
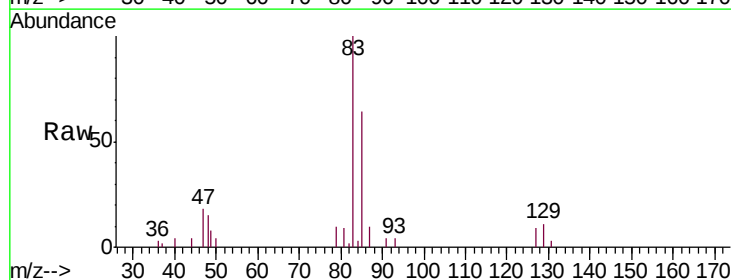
Tgt Ion: 83 Resp: 11651

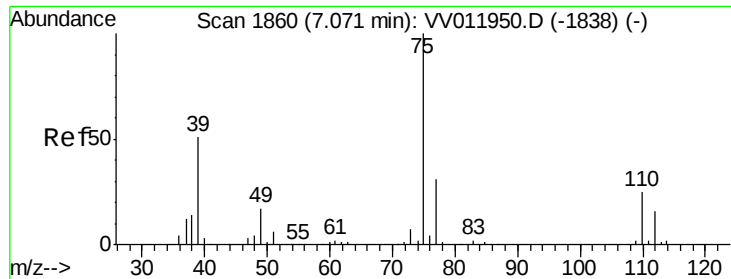
Ion Ratio Lower Upper

83 100

85 63.9 44.4 82.4

127 9.3 7.9 11.9

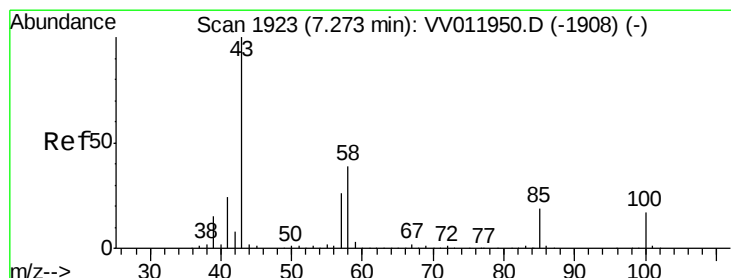
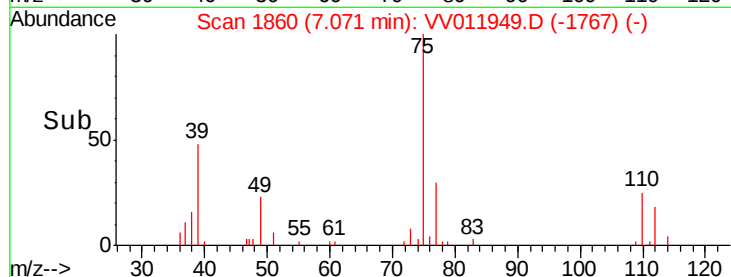
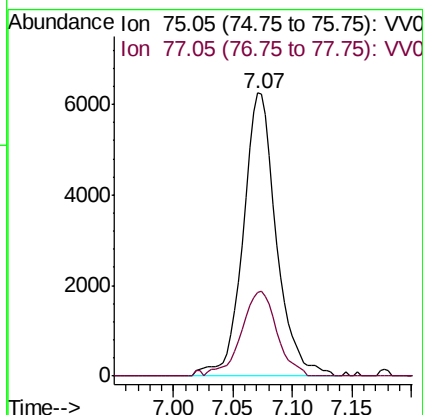
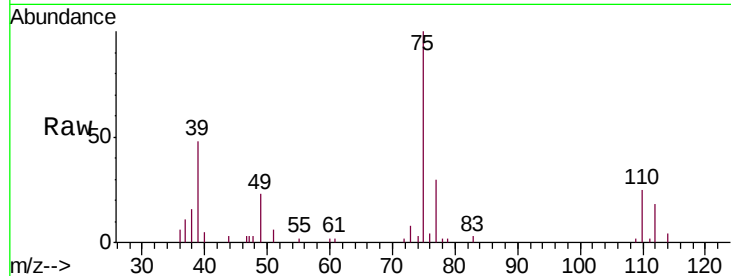




#39
 cis-1,3-Dichloropropene
 Concen: 0.828 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

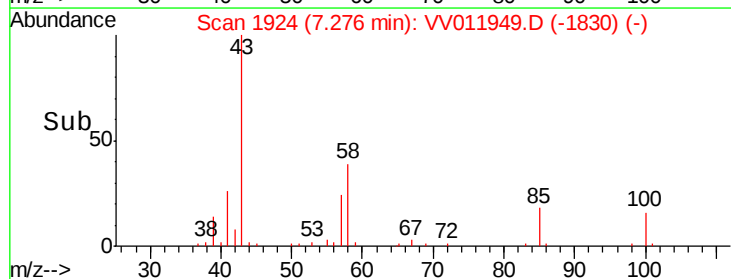
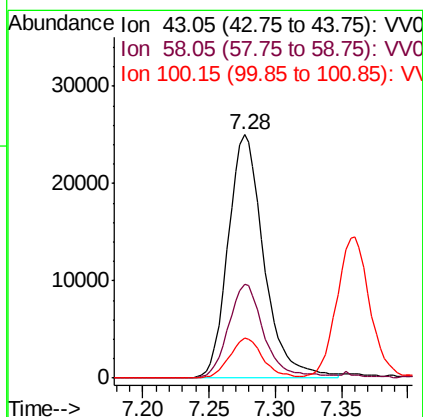
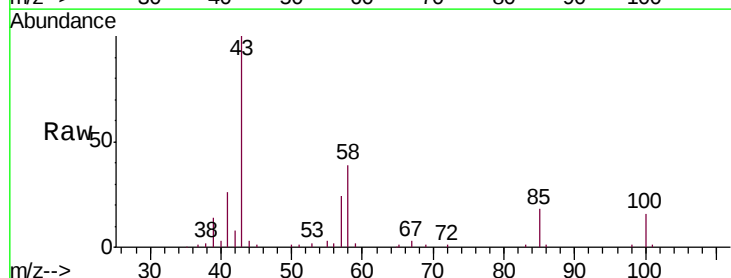
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

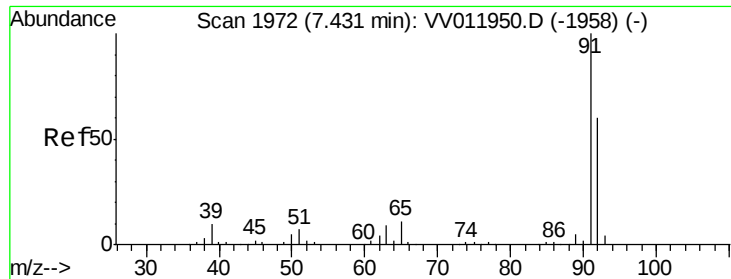
Tgt Ion: 75 Resp: 12099
 Ion Ratio Lower Upper
 75 100
 77 29.7 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 7.587 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 43 Resp: 47105
 Ion Ratio Lower Upper
 43 100
 58 38.5 31.2 46.8
 100 15.4 13.5 20.3





#42

Toluene

Concen: 0.853 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

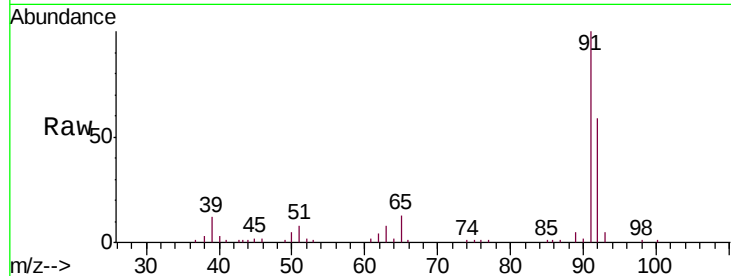
VSTD00132

Tgt Ion: 91 Resp: 38879

Ion Ratio Lower Upper

91 100

92 59.1 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

25000

20000

15000

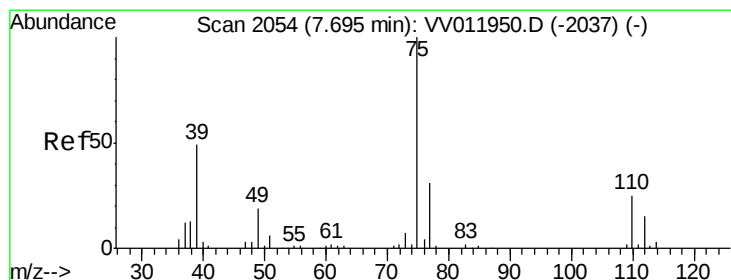
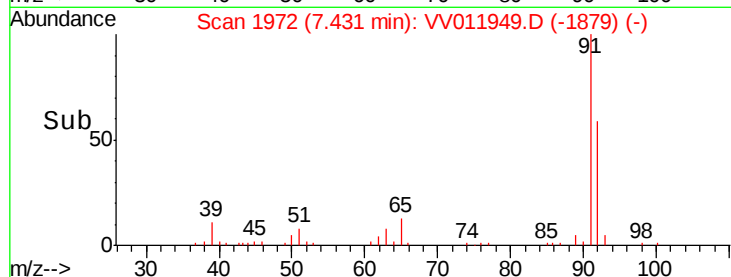
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.804 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011949.D

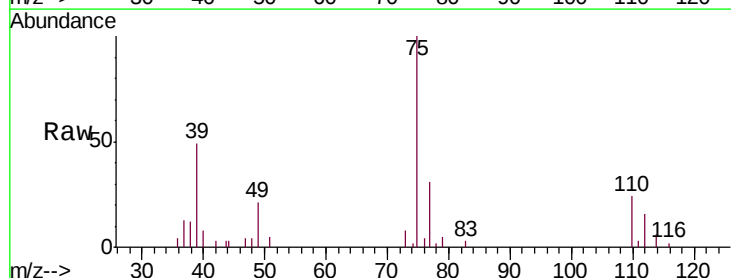
Acq: 22 Jul 2019 15:36

Tgt Ion: 75 Resp: 9356

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

6000

5000

4000

3000

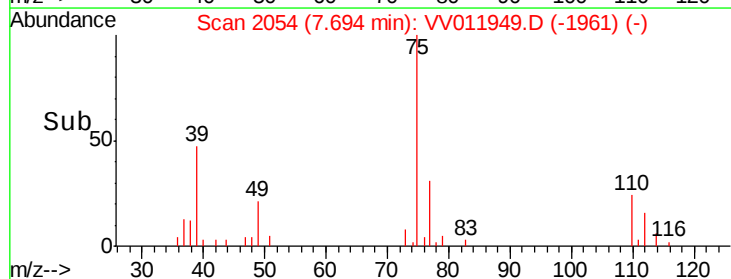
2000

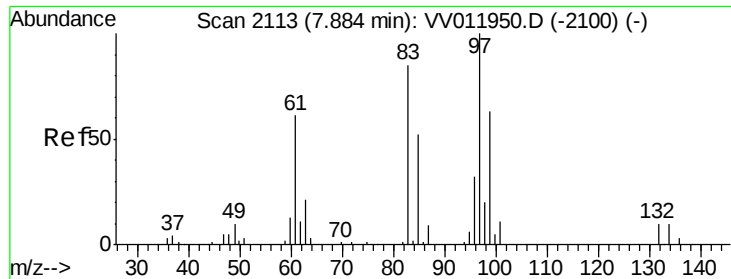
1000

0

Time-->

7.65 7.70 7.75

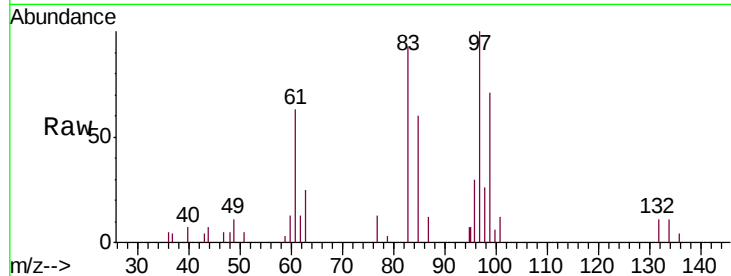




#45
 1,1,2-Trichloroethane
 Concen: 0.824 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:	97	Resp:	5919
Ion	Ratio	Lower	Upper
97	100		
99	70.6	44.0	81.8
83	92.6	59.5	110.5
85	60.0	36.6	68.0



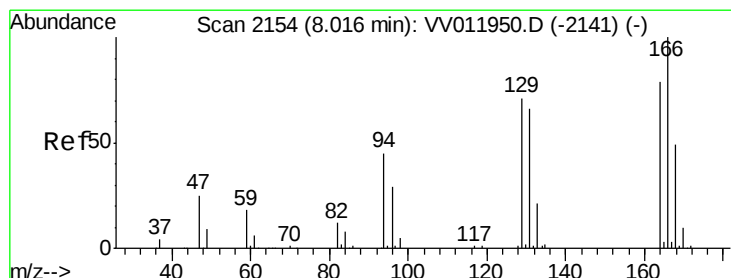
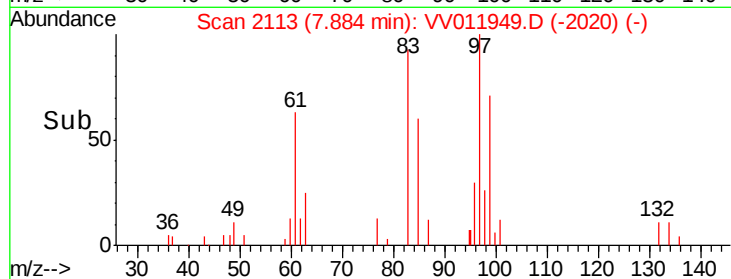
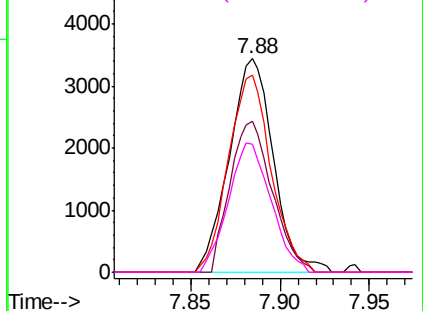
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

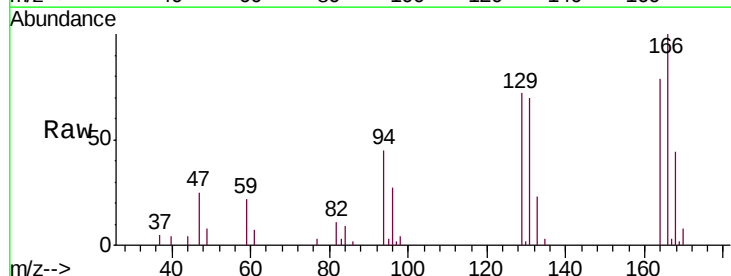
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.955 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion:	164	Resp:	8725
Ion	Ratio	Lower	Upper
164	100		
129	91.1	62.5	116.1
131	88.7	58.6	108.8
166	126.6	88.2	163.8



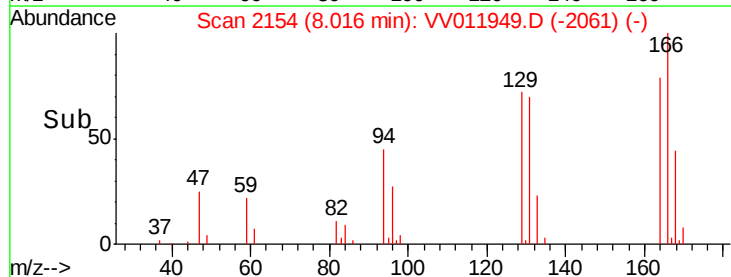
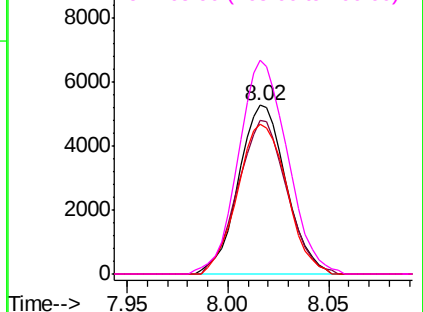
Abundance

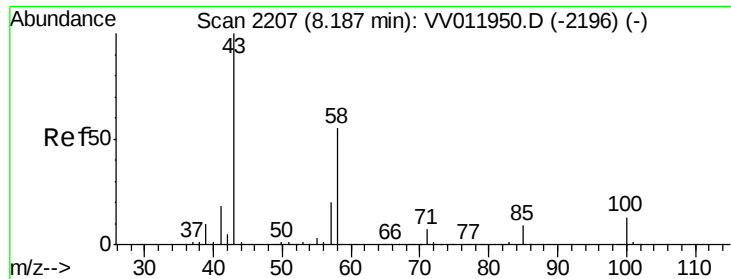
Ion 163.90 (163.60 to 164.60): V

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



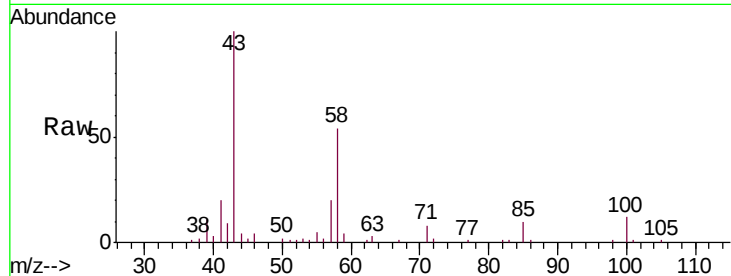


#48
2-Hexanone
Concen: 7.495 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Tgt Ion: 43 Resp: 33222

Ion	Ratio	Lower	Upper
43	100		
58	51.6	43.7	65.5
57	18.9	16.0	24.0
100	12.0	10.5	15.7

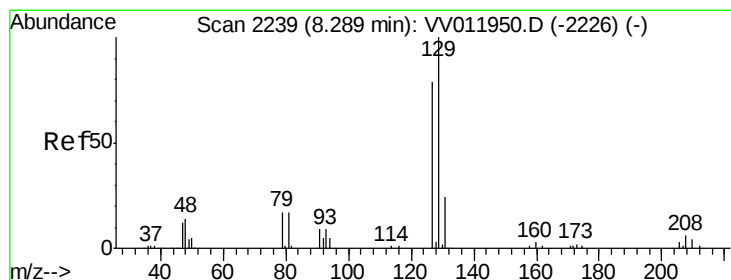
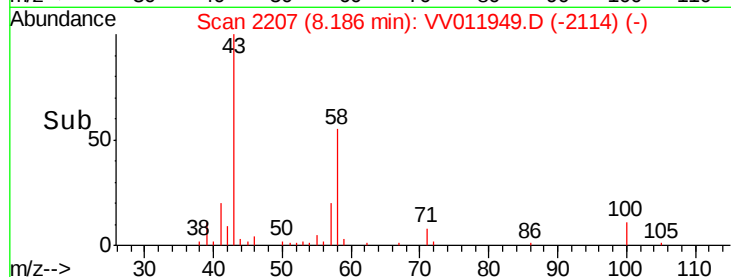
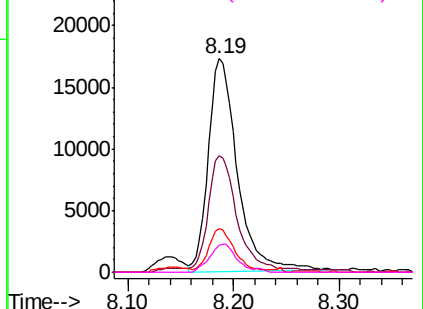


Abundance Ion 43.05 (42.75 to 43.75): VV011949.D (-2114) (-)

Ion 58.05 (57.75 to 58.75): VV011949.D (-2114) (-)

Ion 57.20 (56.90 to 57.90): VV011949.D (-2114) (-)

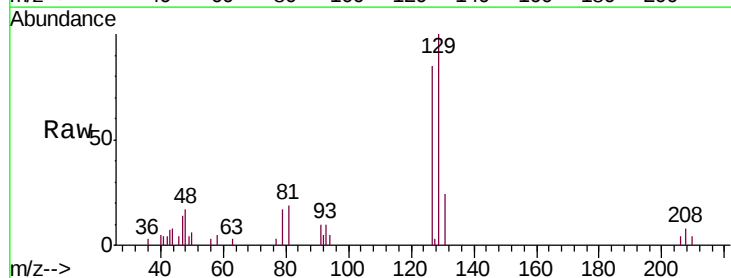
Ion 100.15 (99.85 to 100.85): VV011949.D (-2114) (-)



#49
Dibromochloromethane
Concen: 0.898 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

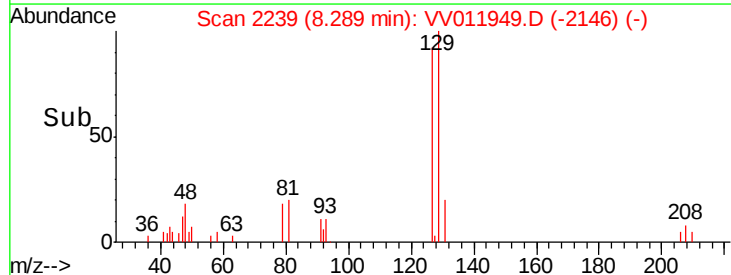
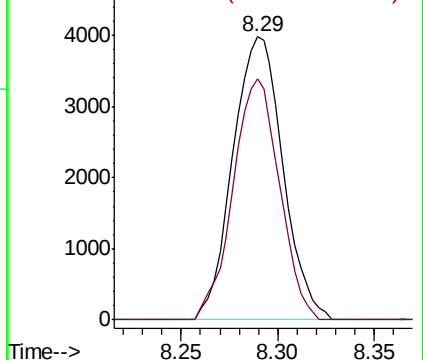
Tgt Ion: 129 Resp: 7164

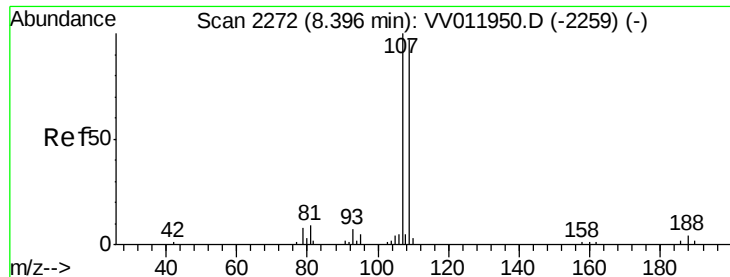
Ion	Ratio	Lower	Upper
129	100		
127	85.2	55.3	102.7



Abundance Ion 128.95 (128.65 to 129.65): VV011949.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV011949.D (-2146) (-)

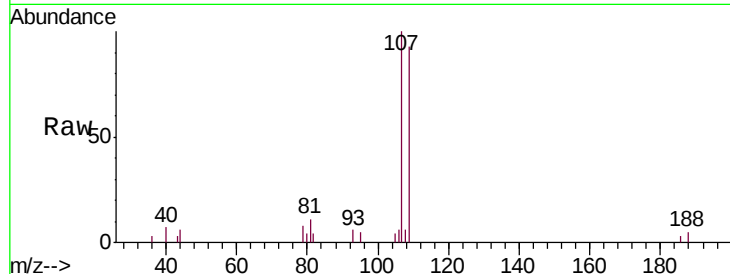




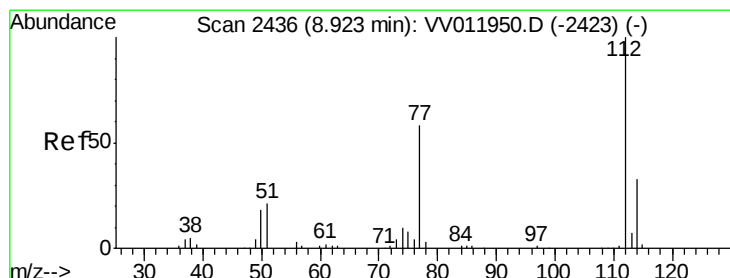
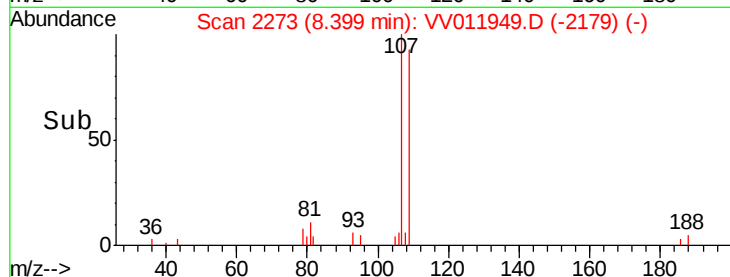
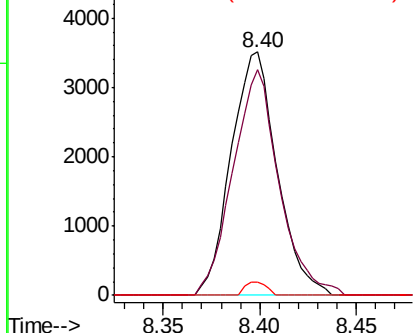
#50
1,2-Dibromoethane
Concen: 0.879 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Tgt Ion:107 Resp: 5816
Ion Ratio Lower Upper
107 100
109 92.6 68.1 126.5
188 5.3 3.5 5.3#

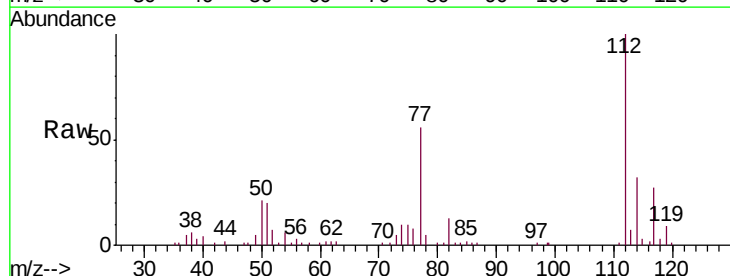


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

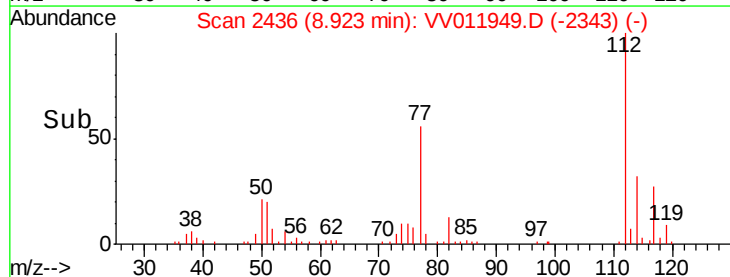
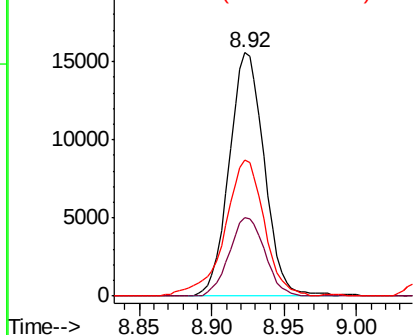


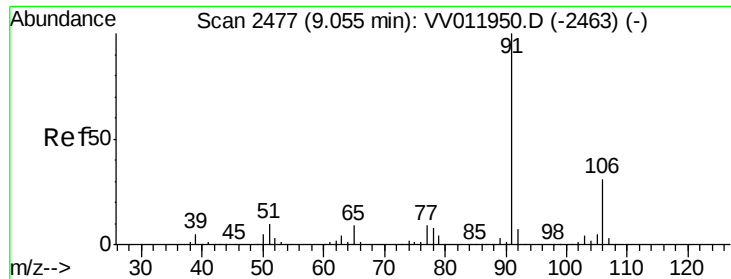
#51
Chlorobenzene
Concen: 0.899 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Tgt Ion:112 Resp: 26097
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.8
77 55.9 46.4 69.6



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: 0.870 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

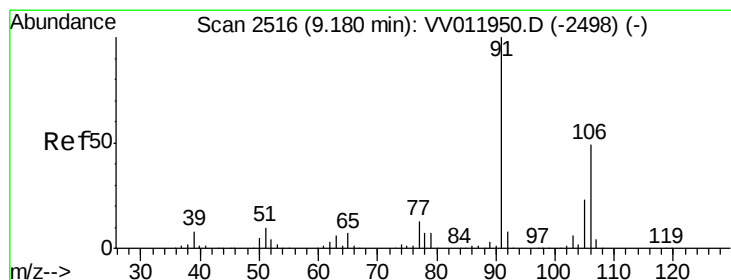
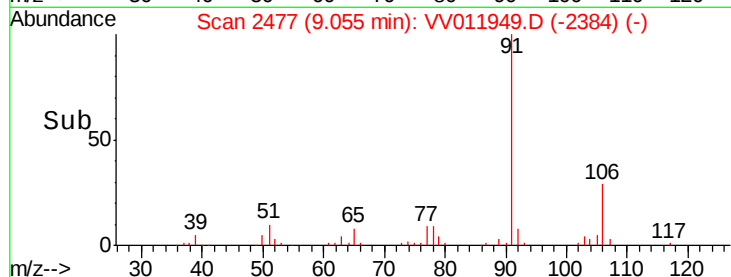
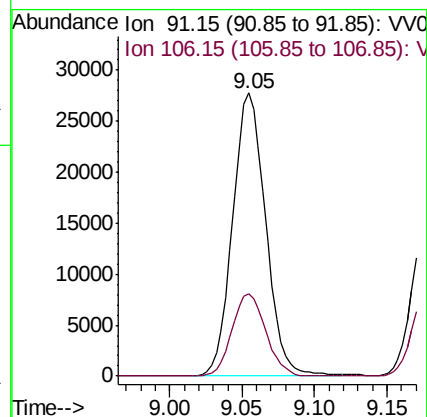
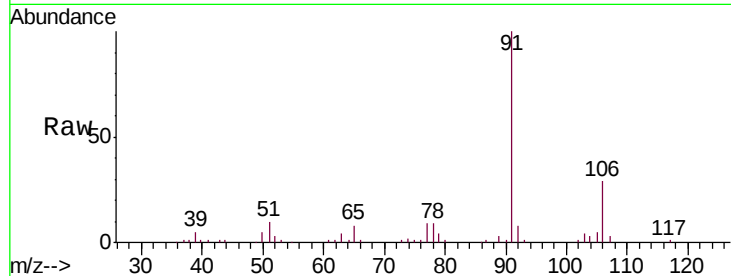
VSTD00132

Tgt Ion: 91 Resp: 43967

Ion Ratio Lower Upper

91 100

106 29.1 21.6 40.0



#53

m,p-xylene

Concen: 0.862 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011949.D

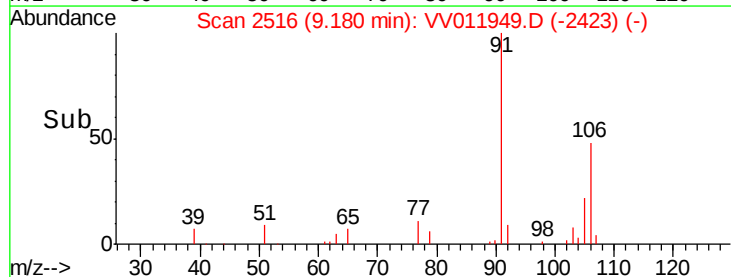
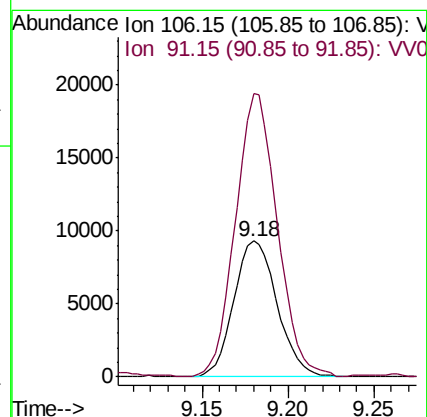
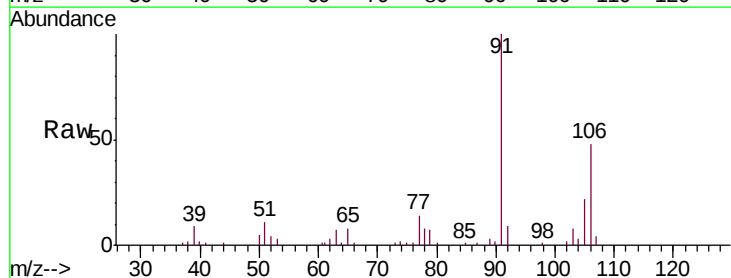
Acq: 22 Jul 2019 15:36

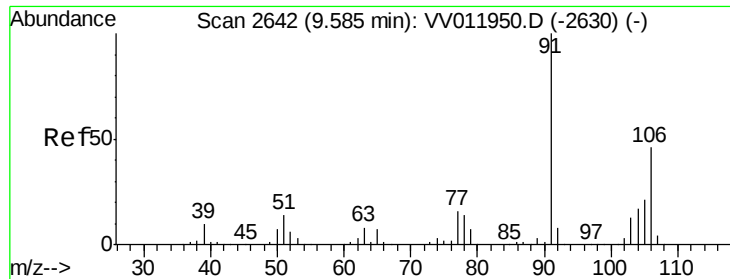
Tgt Ion: 106 Resp: 16297

Ion Ratio Lower Upper

106 100

91 208.7 142.7 265.1

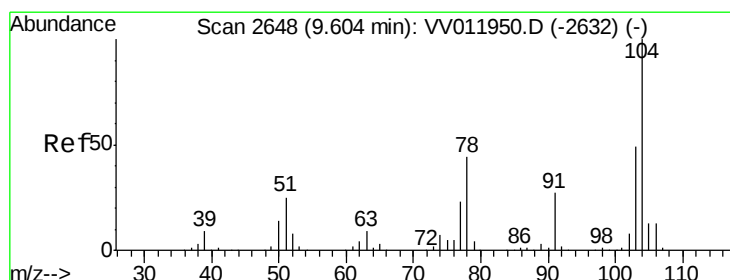
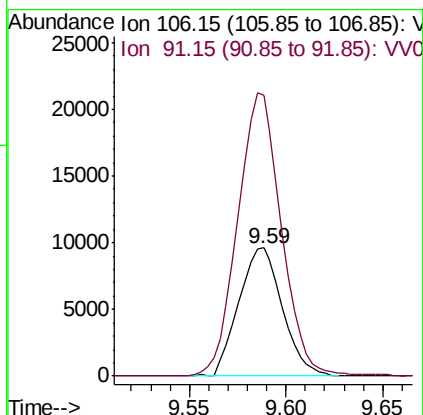
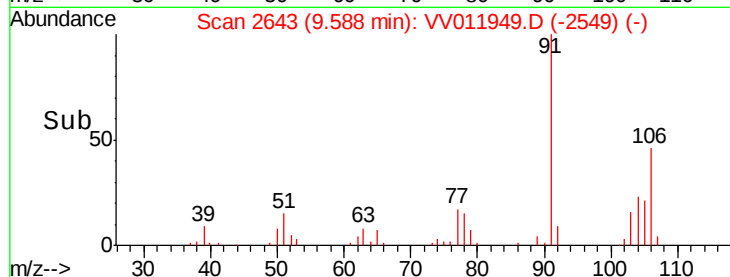
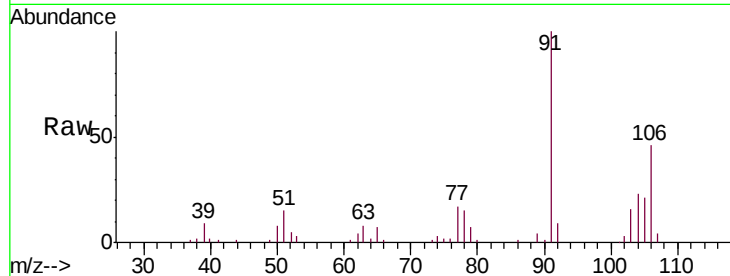




#54
o-xylene
Concen: 0.860 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

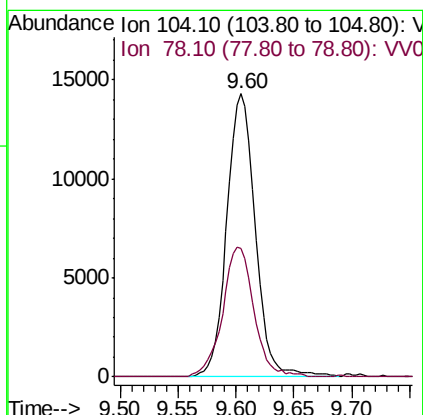
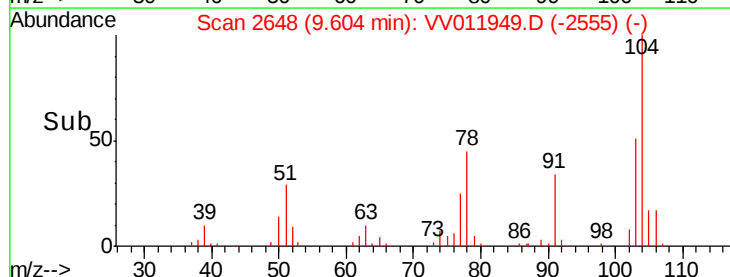
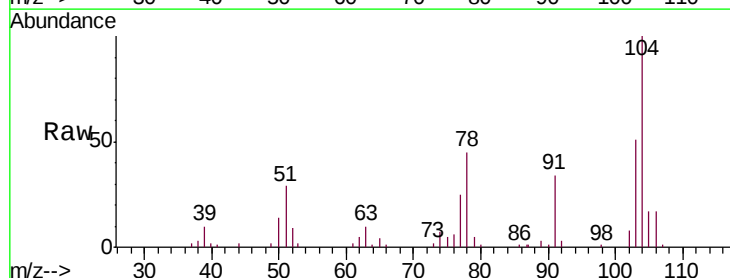
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

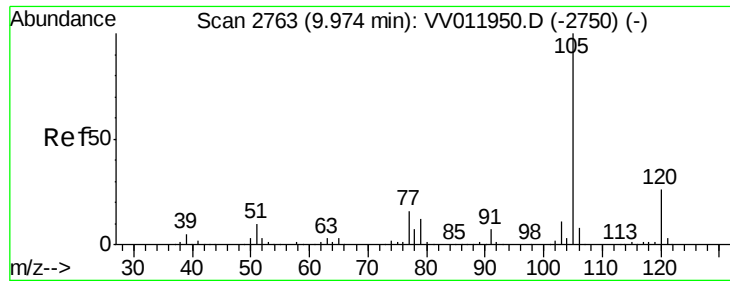
Tgt Ion:106 Resp: 15109
Ion Ratio Lower Upper
106 100
91 219.1 151.0 280.4



#55
Styrene
Concen: 0.814 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011949.D
Acq: 22 Jul 2019 15:36

Tgt Ion:104 Resp: 24350
Ion Ratio Lower Upper
104 100
78 45.4 30.8 57.2





#56

Isopropylbenzene

Concen: 0.883 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

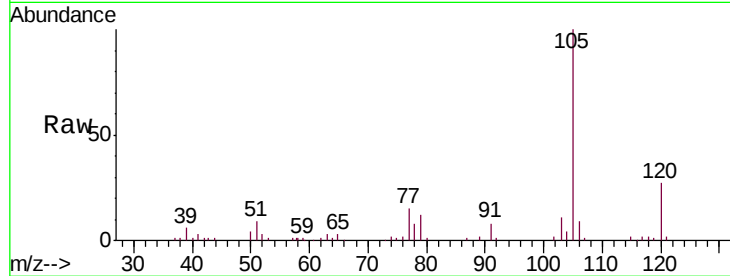
Tgt Ion: 105 Resp: 42992

Ion Ratio Lower Upper

105 100

120 27.5 20.8 31.2

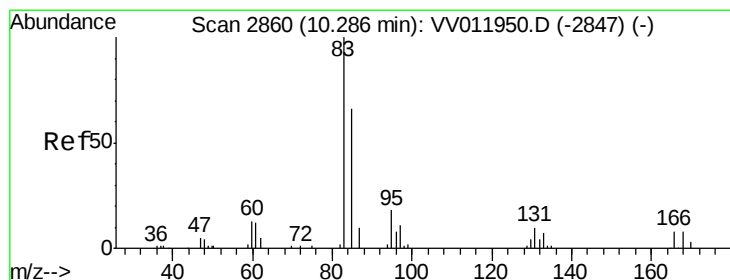
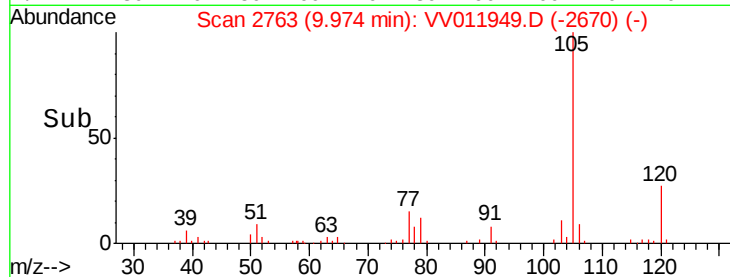
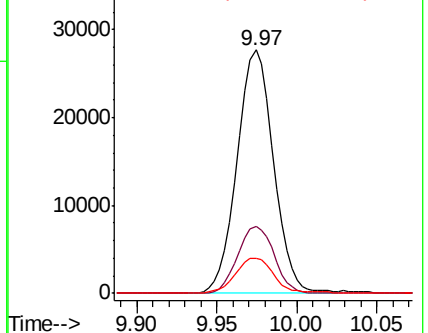
77 15.5 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV011950.D (-2750) (-)

Ion 120.10 (119.80 to 120.80): VV011950.D (-2750) (-)

Ion 77.10 (76.80 to 77.80): VV011950.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.949 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

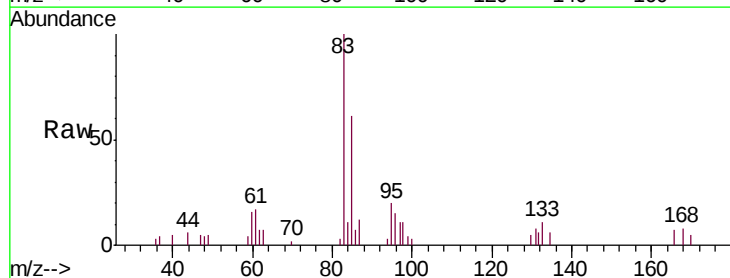
Tgt Ion: 83 Resp: 6608

Ion Ratio Lower Upper

83 100

85 60.7 46.3 85.9

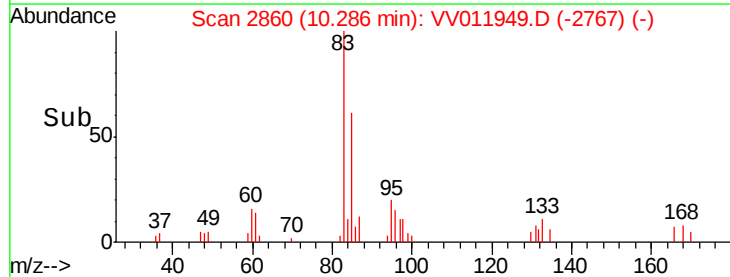
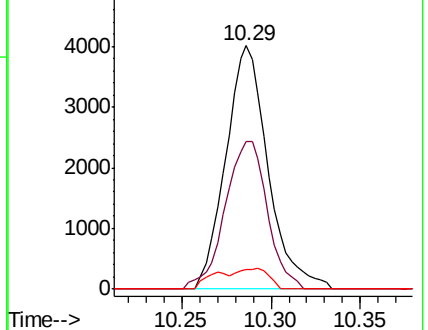
131 7.9 8.9 13.3#

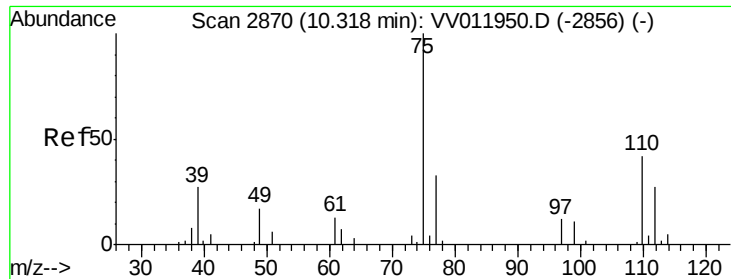


Abundance Ion 82.95 (82.65 to 83.65): VV011950.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV011950.D (-2847) (-)

Ion 130.95 (130.65 to 131.65): VV011950.D (-2847) (-)

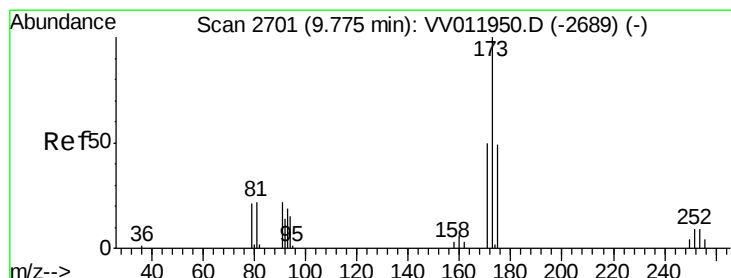
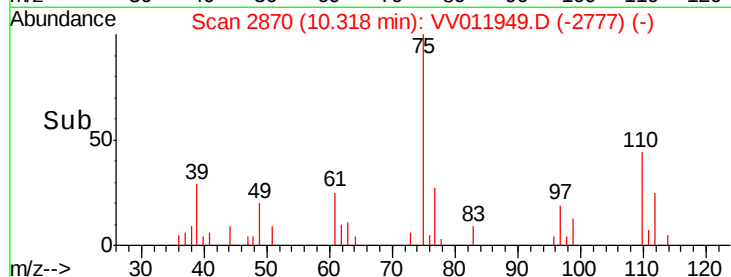
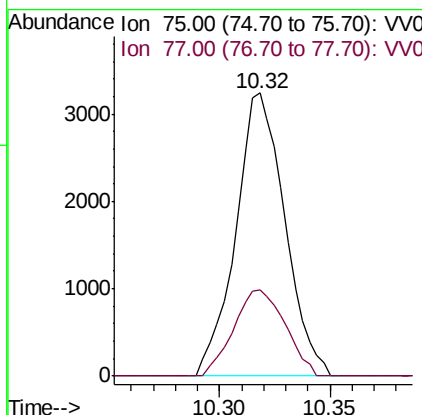
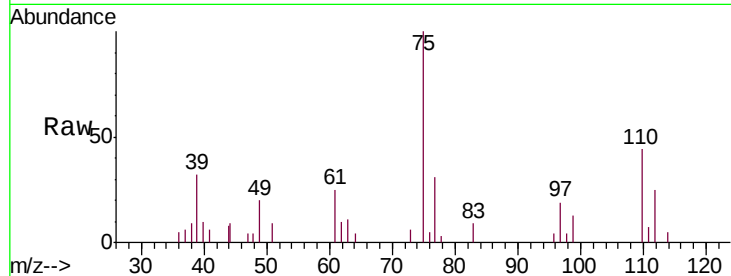




#59
 1,2,3-Trichloropropane
 Concen: 0.793 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

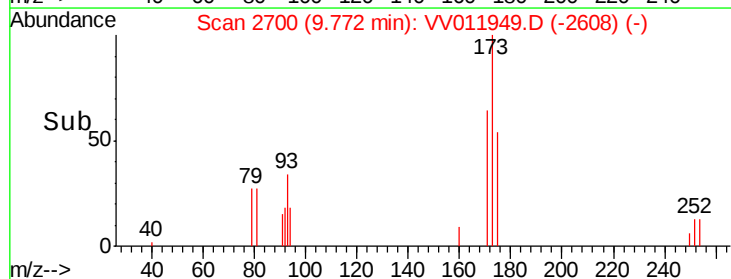
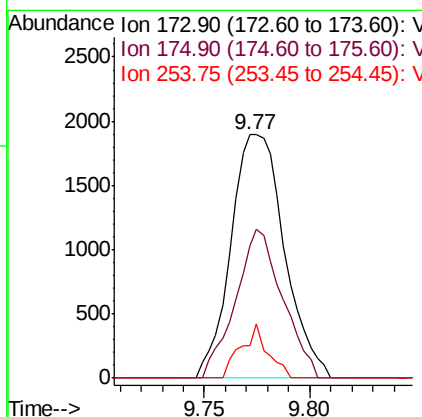
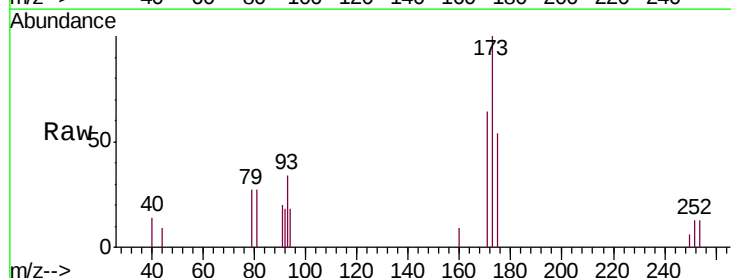
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

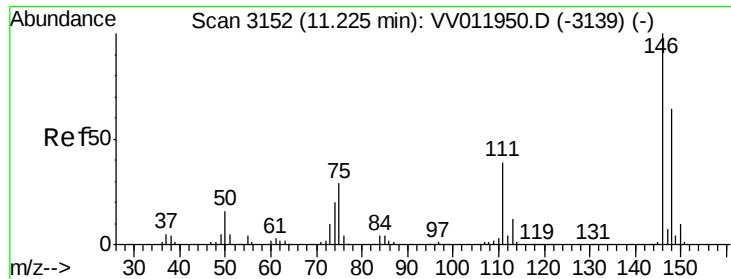
Tgt Ion: 75 Resp: 4998
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2



#61
 Bromoform
 Concen: 0.821 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion: 173 Resp: 3342
 Ion Ratio Lower Upper
 173 100
 175 53.6 39.6 59.4
 254 11.0 7.9 11.9

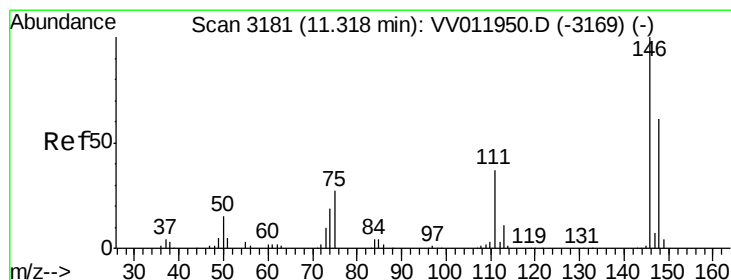
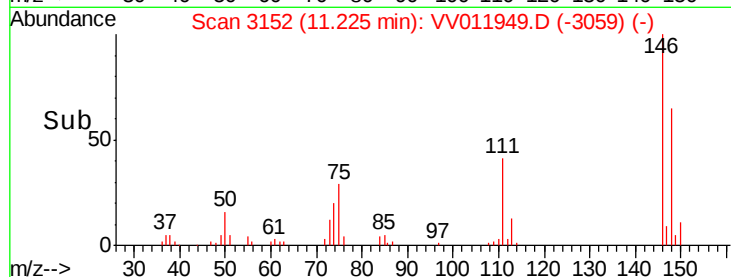
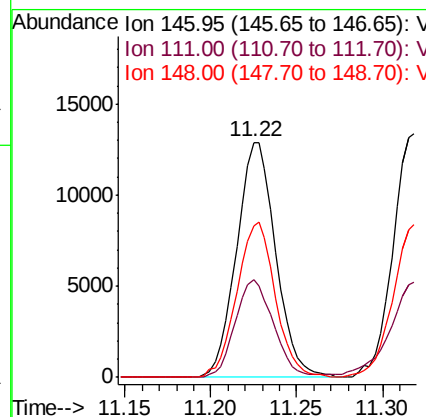
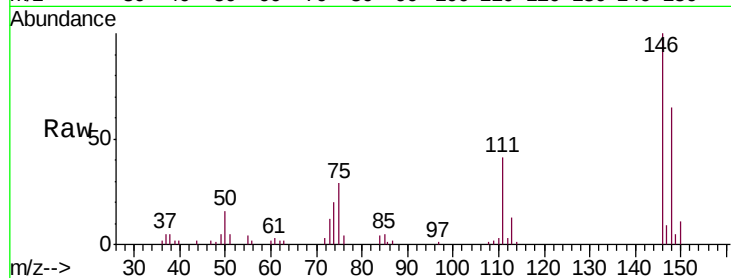




#62
 1,3-Dichlorobenzene
 Concen: 0.887 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

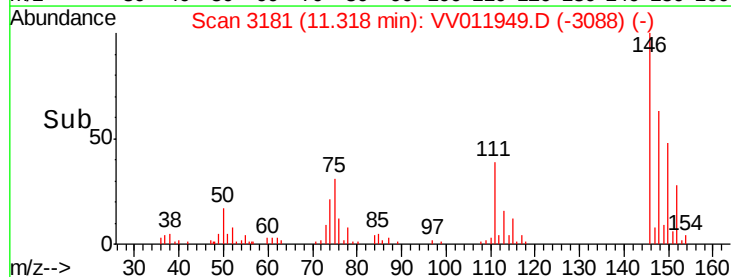
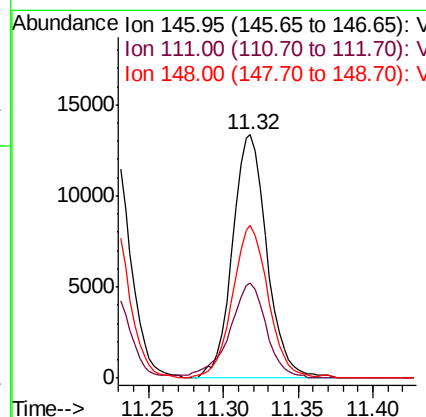
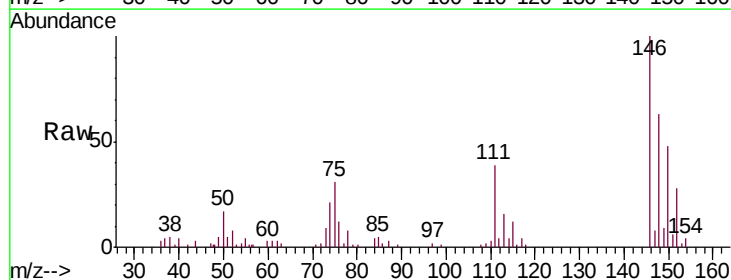
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

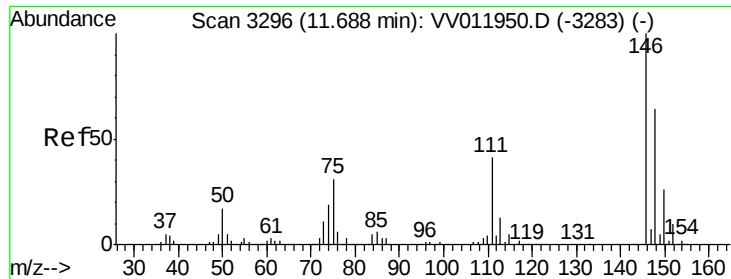
Tgt Ion:146 Resp: 20328
 Ion Ratio Lower Upper
 146 100
 111 41.4 27.1 50.3
 148 64.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 0.912 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion:146 Resp: 21436
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.0 48.2
 148 62.8 43.0 80.0





#65

1,2-Dichlorobenzene

Concen: 0.879 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

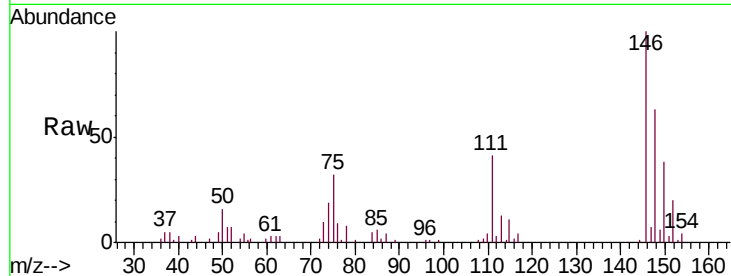
Tgt Ion: 146 Resp: 18756

Ion Ratio Lower Upper

146 100

111 41.2 32.5 48.7

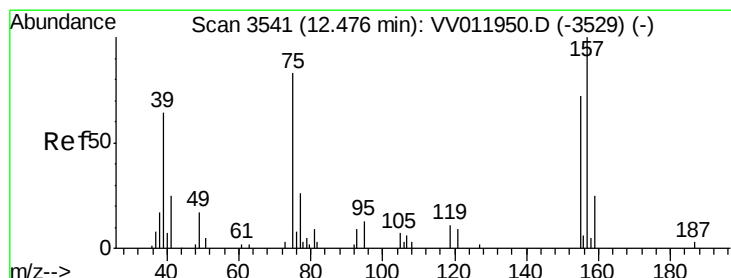
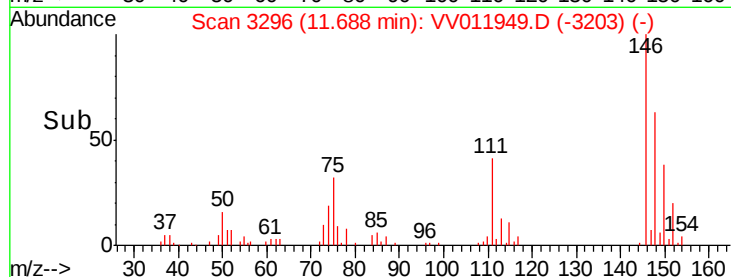
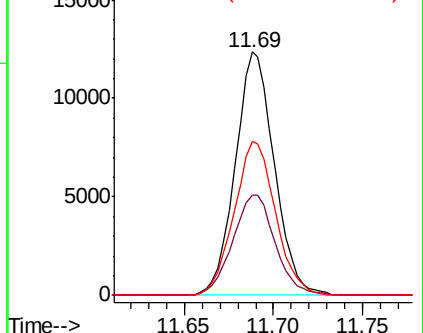
148 63.4 51.4 77.0



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: 0.992 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

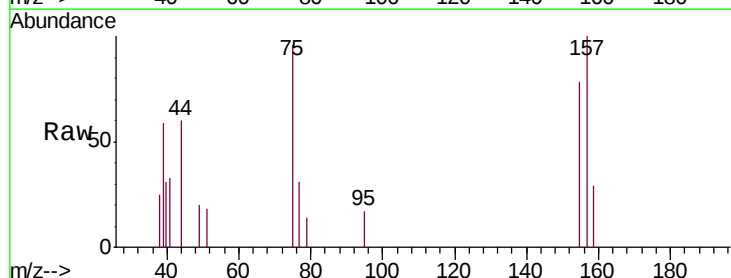
Tgt Ion: 75 Resp: 1199

Ion Ratio Lower Upper

75 100

155 81.5 69.5 104.3

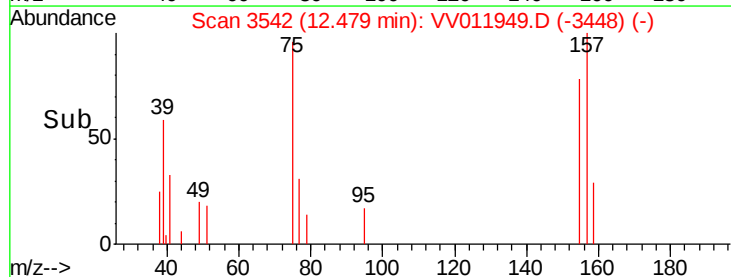
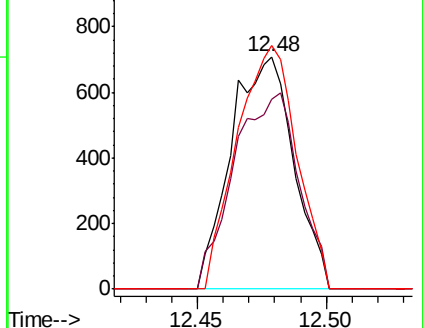
157 104.7 96.2 144.2

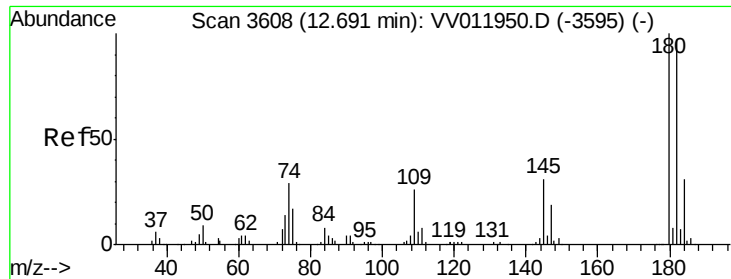


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

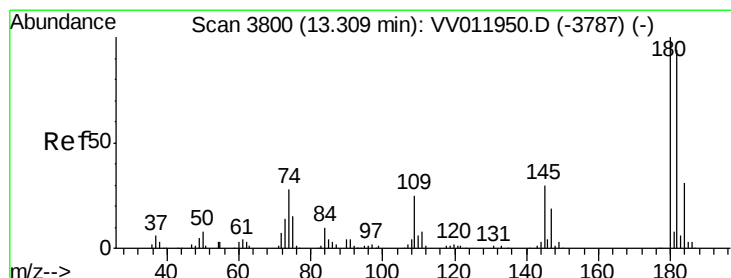
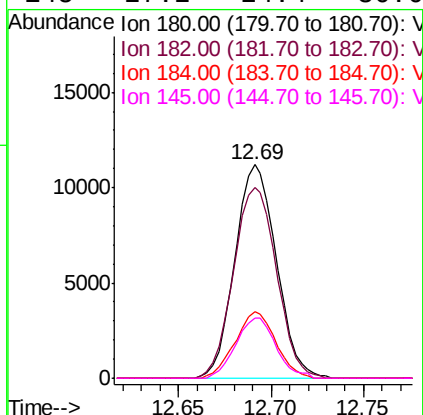
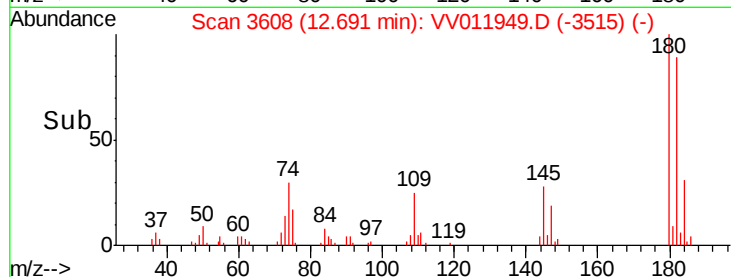
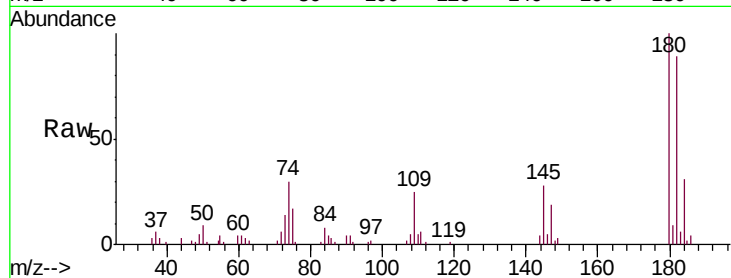




#67
 1,3,5-Trichlorobenzene
 Concen: 0.963 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

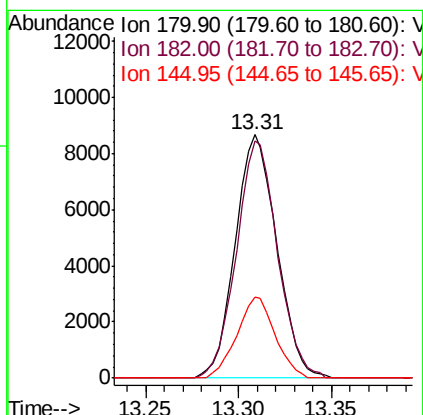
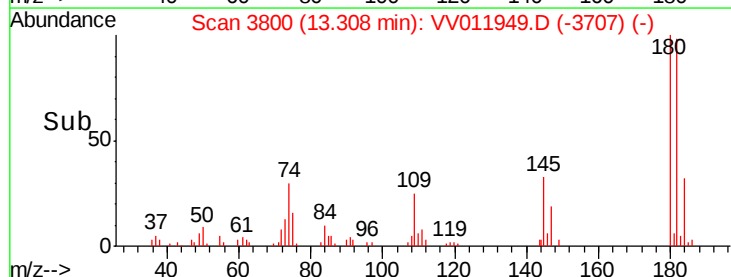
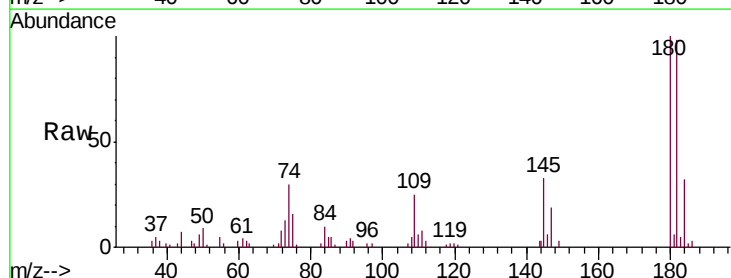
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

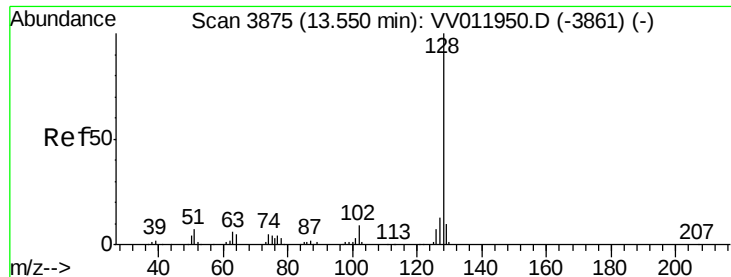
Tgt Ion:180 Resp: 17429
 Ion Ratio Lower Upper
 180 100
 182 92.7 77.4 116.0
 184 30.5 25.2 37.8
 145 27.2 24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.942 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011949.D
 Acq: 22 Jul 2019 15:36

Tgt Ion:180 Resp: 13508
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.8
 145 30.5 23.4 35.2





#69

Naphthalene

Concen: 0.849 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

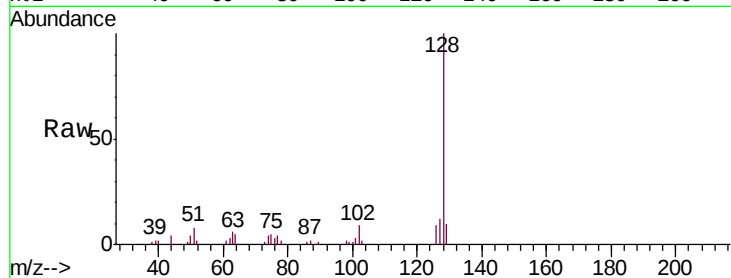
Tgt Ion:128 Resp: 18654

Ion Ratio Lower Upper

128 100

129 10.1 8.2 12.2

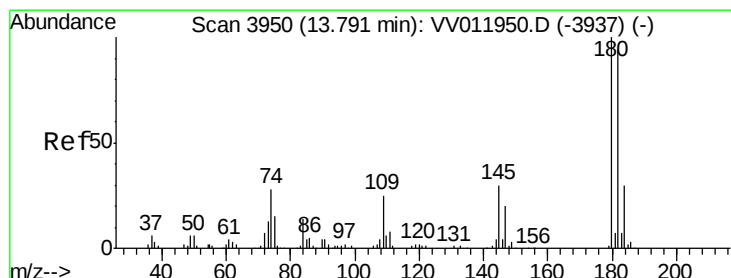
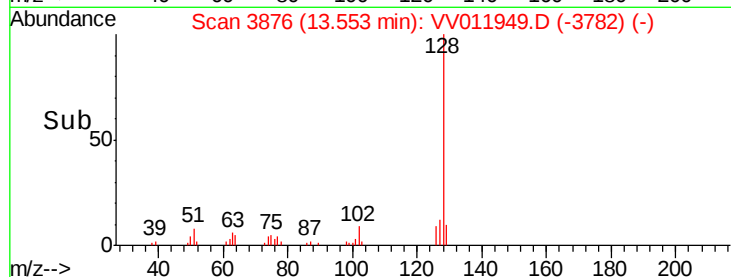
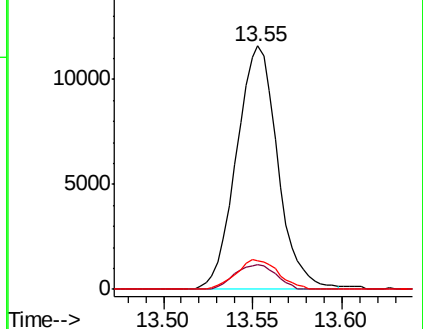
127 12.4 10.8 16.2



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: 0.937 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011949.D

Acq: 22 Jul 2019 15:36

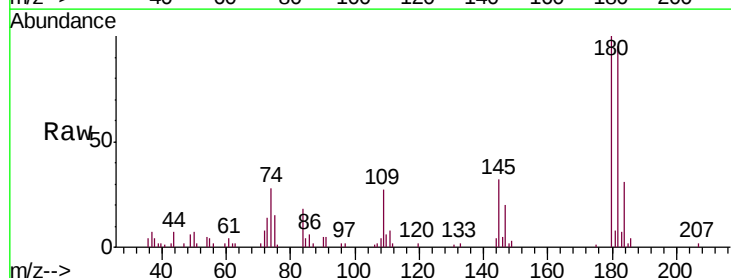
Tgt Ion:180 Resp: 12166

Ion Ratio Lower Upper

180 100

182 98.4 75.5 113.3

145 32.0 24.7 37.1



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

