

Data File : VV011904.D
Acq On : 17 Jul 2019 11:34
Operator : SY/MD
Sample : VSTD01033
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: Jul 18 01:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	166412	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	164454	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	80848	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126610	10.20	ug/L	0.00
7) Chloroethane-d5	1.58	69	105542	10.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	185682	9.77	ug/L	0.00
20) 2-Butanone-d5	3.96	46	340331	124.58	ug/L	0.00
24) Chloroform-d	4.40	84	258374	11.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	133082	11.49	ug/L	0.00
32) Benzene-d6	5.10	84	510948	11.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	153737	10.94	ug/L	0.00
41) Toluene-d8	7.36	98	477156	11.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	59490	11.55	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	259255	126.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99689	11.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	166778	11.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	172708	10.432 ug/L	100
3) Chloromethane	1.25	50	167012	10.290 ug/L	99
5) Vinyl chloride	1.32	62	161889	10.255 ug/L	100
6) Bromomethane	1.54	94	91821	10.207 ug/L	99
8) Chloroethane	1.60	64	89645	9.535 ug/L	99
9) Trichlorofluoromethane	1.77	101	200568	9.872 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87893	9.424 ug/L	96
12) 1,1-Dichloroethene	2.14	96	81755	9.593 ug/L	95
13) Acetone	2.22	43	138693	90.143 ug/L	98
14) Carbon disulfide	2.32	76	230510	10.115 ug/L	99
15) Methyl Acetate	2.47	43	33285	9.387 ug/L	98
16) Methylene chloride	2.53	84	87731	9.836 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	278298	10.611 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	126670	10.561 ug/L	98
19) 1,1-Dichloroethane	3.23	63	241481	10.604 ug/L	98
21) 2-Butanone	4.05	43	327336	109.447 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	134943	10.588 ug/L	98
23) Bromochloromethane	4.30	128	53426	9.955 ug/L	99
25) Chloroform	4.43	83	245583	9.844 ug/L	95
27) 1,2-Dichloroethane	5.18	62	155169	10.747 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	208527	9.977 ug/L	100
30) Cyclohexane	4.72	56	226857	10.450 ug/L	100
31) Carbon tetrachloride	4.87	117	182512	10.266 ug/L	98
33) Benzene	5.15	78	530005	10.248 ug/L	100
34) Trichloroethene	5.96	95	140833	9.589 ug/L	98
35) Methylcyclohexane	6.18	83	230214	10.770 ug/L	99
37) 1,2-Dichloropropane	6.22	63	132607	10.290 ug/L	100
38) Bromodichloromethane	6.56	83	157645	10.235 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	190793	10.994 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	808522	106.309 ug/L	99

Data File : VV011904.D
Acq On : 17 Jul 2019 11:34
Operator : SY/MD
Sample : VSTD01033
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: Jul 18 01:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration

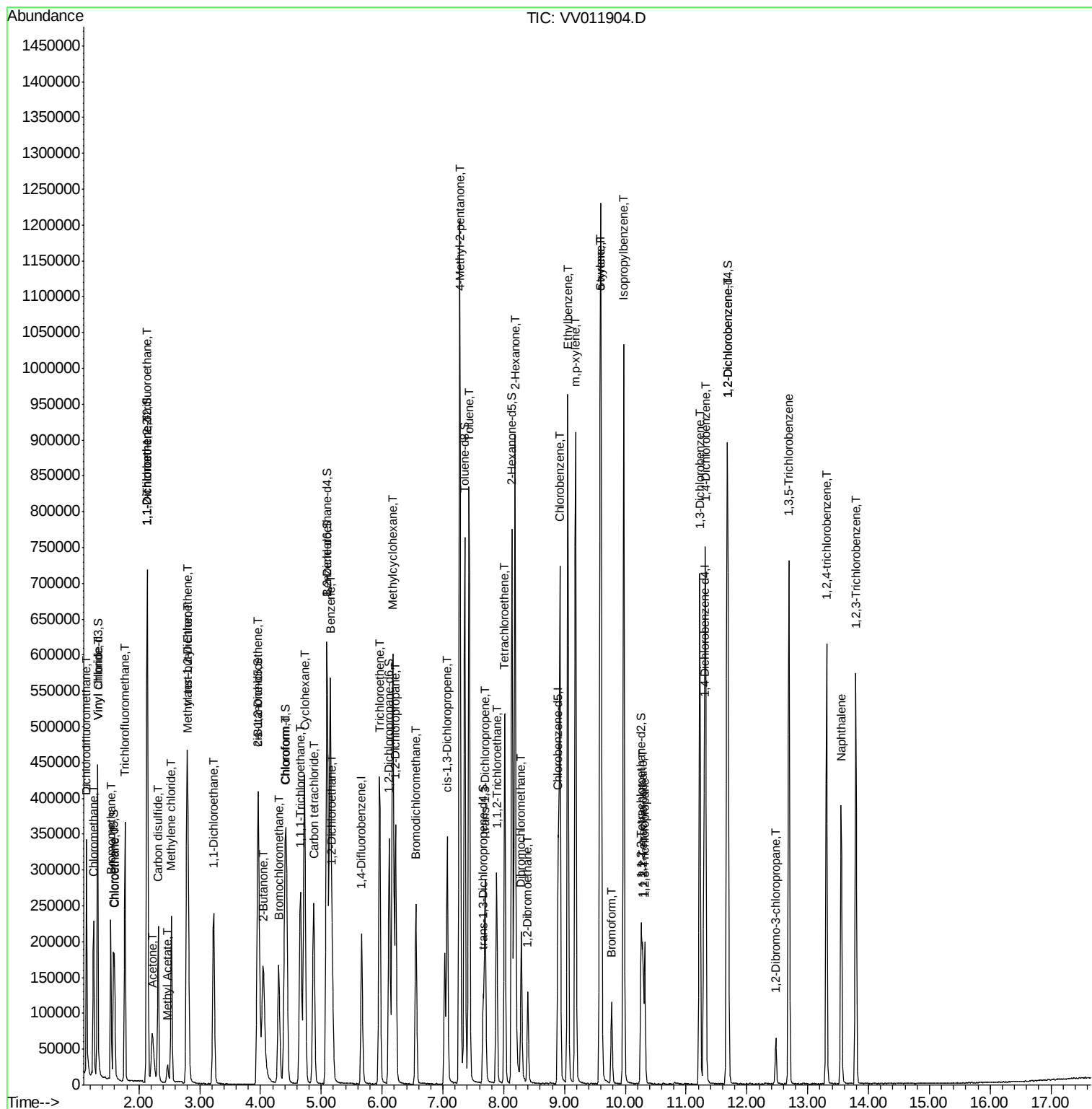
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	571328	10.605	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	148517	10.868	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	86148	10.032	ug/L	99
47) Tetrachloroethene	8.02	164	109302	10.175	ug/L	98
48) 2-Hexanone	8.19	43	586305	107.023	ug/L	100
49) Dibromochloromethane	8.29	129	99273	10.474	ug/L	100
50) 1,2-Dibromoethane	8.40	107	81918	10.311	ug/L	100
51) Chlorobenzene	8.92	112	350470	10.075	ug/L	100
52) Ethylbenzene	9.05	91	637343	10.703	ug/L	100
53) m,p-xylene	9.18	106	239889	10.910	ug/L	97
54) o-xylene	9.59	106	226411	10.820	ug/L	96
55) Styrene	9.60	104	394071	11.173	ug/L	99
56) Isopropylbenzene	9.97	105	624357	10.926	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	87908	10.437	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	74815	9.852	ug/L	99
61) Bromoform	9.77	173	46920	10.557	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	268125	10.322	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	272449	10.122	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	253607	10.317	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	14656	9.779	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	210001	10.291	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	174437	10.745	ug/L	100
69) Naphthalene	13.55	128	288288	12.005	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	159545	10.871	ug/L	99

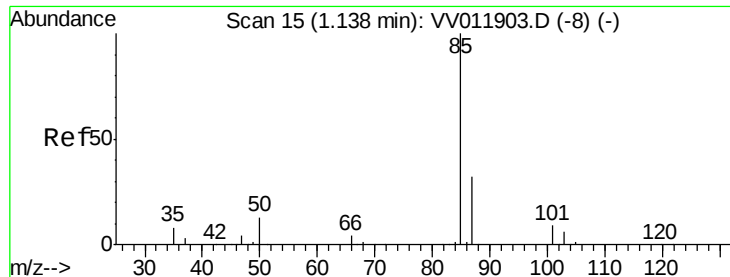
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011904.D
Acq On : 17 Jul 2019 11:34
Operator : SY/MD
Sample : VSTD01033
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Quant Time: Jul 18 01:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 01:22:34 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 10.432 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

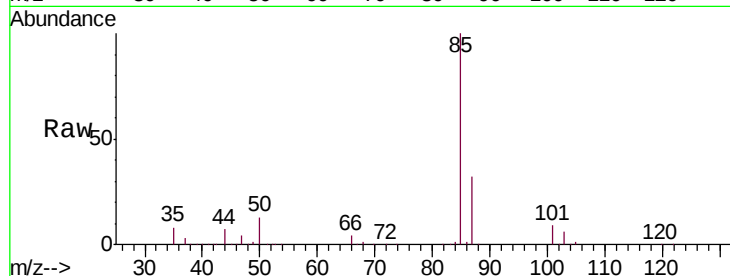
VSTD01033

Tgt Ion: 85 Resp: 172708

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

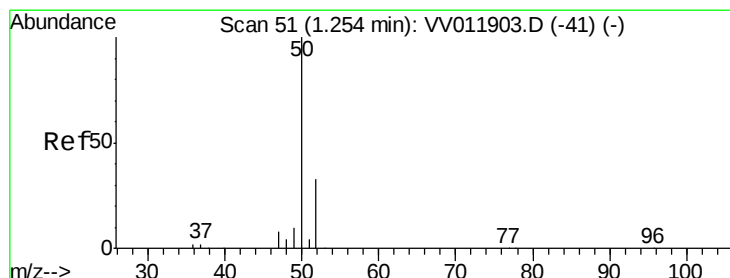
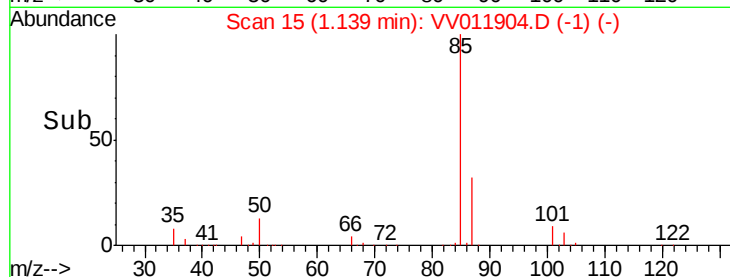
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 10.290 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011904.D

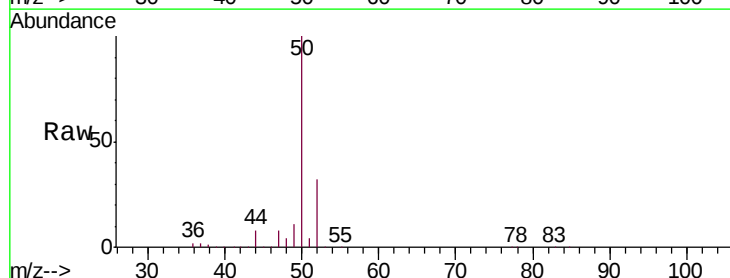
Acq: 17 Jul 2019 11:34

Tgt Ion: 50 Resp: 167012

Ion Ratio Lower Upper

50 100

52 32.4 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

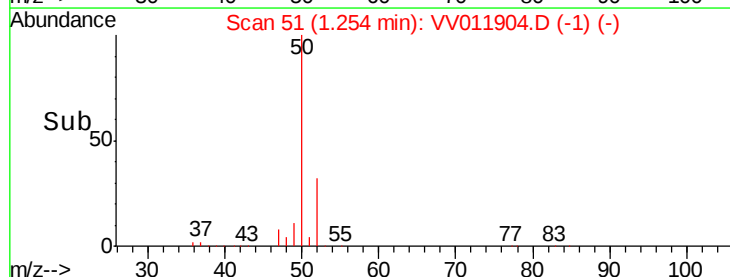
150000

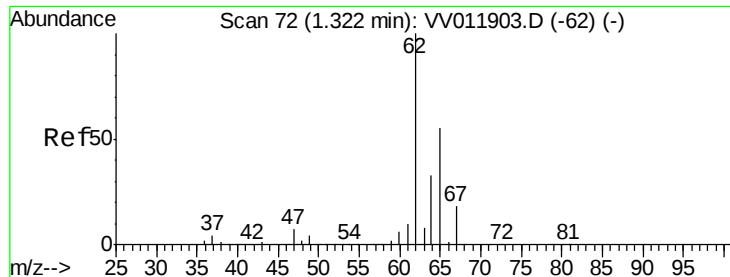
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 10.255 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

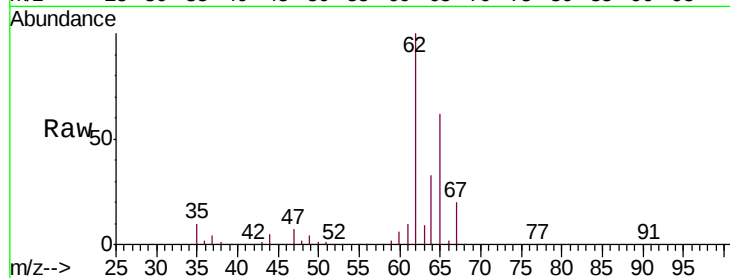
VSTD01033

Tgt Ion: 62 Resp: 161889

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV011903.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011903.D (-62) (-)

1.32

150000

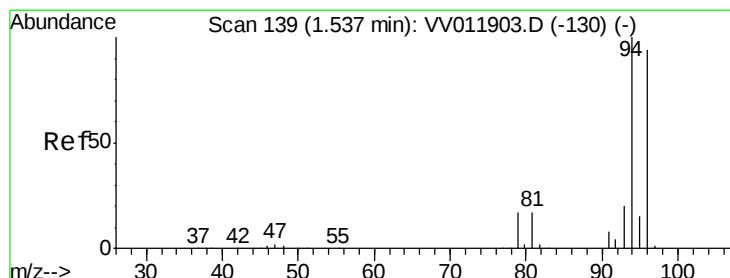
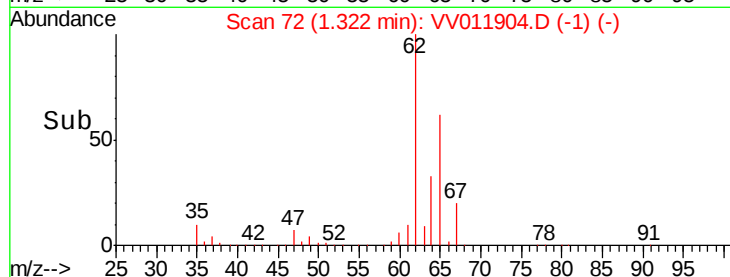
100000

50000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 10.207 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011904.D

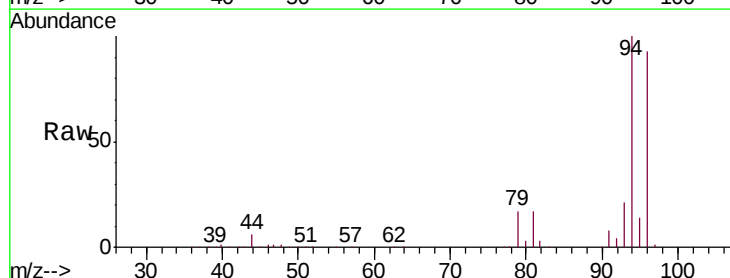
Acq: 17 Jul 2019 11:34

Tgt Ion: 94 Resp: 91821

Ion Ratio Lower Upper

94 100

96 93.0 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV011903.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV011903.D (-130) (-)

1.54

80000

60000

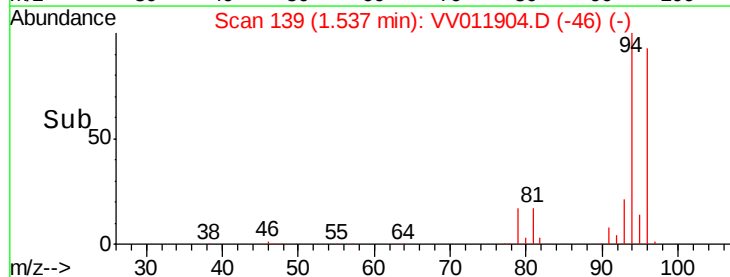
40000

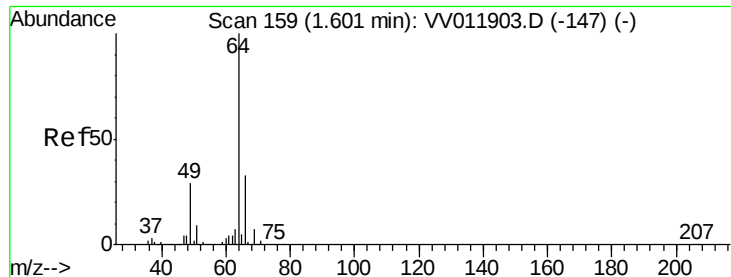
20000

0

1.50 1.55 1.60 1.65

Time-->

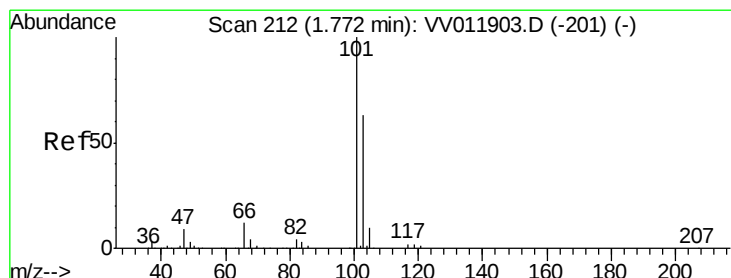
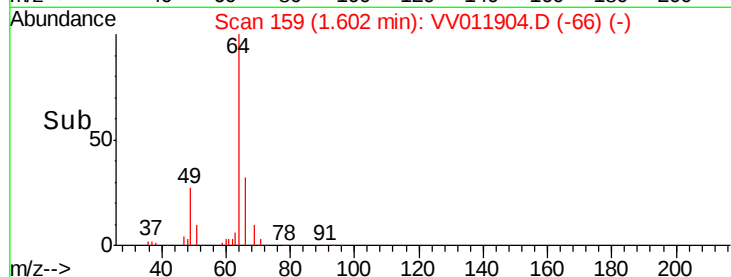
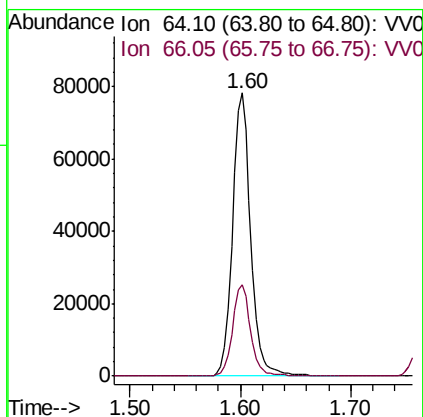
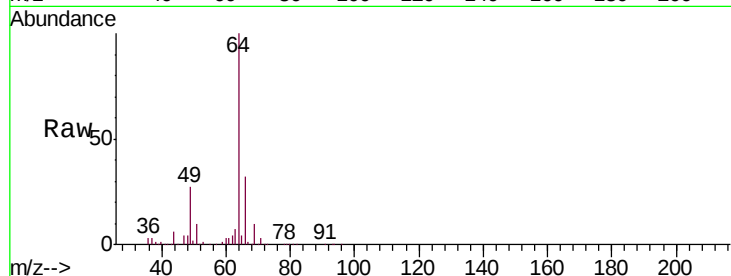




#8
Chloroethane
Concen: 9.535 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

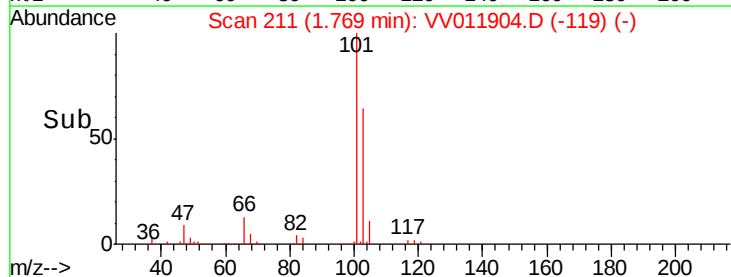
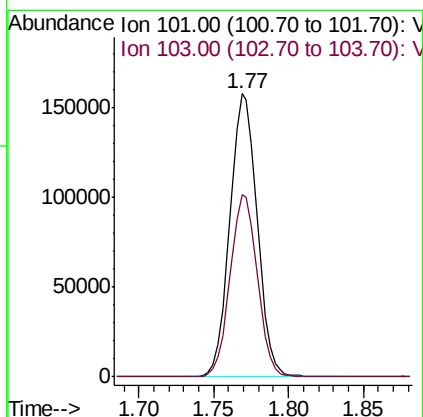
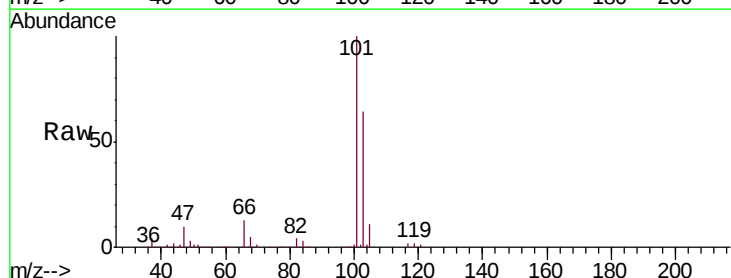
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

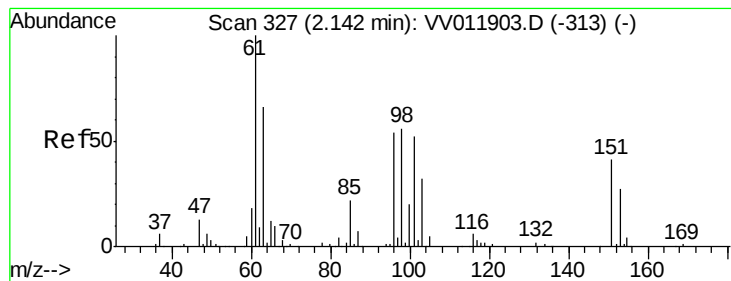
Tgt Ion: 64 Resp: 89645
Ion Ratio Lower Upper
64 100
66 32.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 9.872 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion: 101 Resp: 200568
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4





#10

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

Concen: 9.424 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

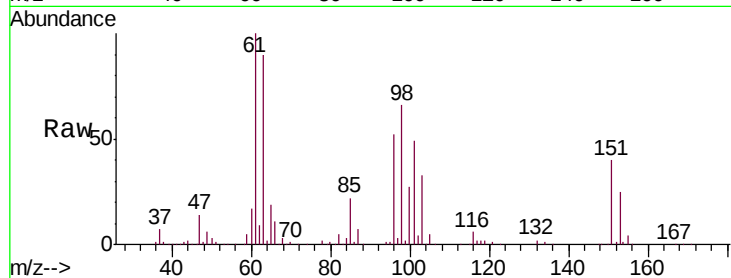
Tgt Ion: 101 Resp: 87893

Ion Ratio Lower Upper

101 100

85 45.3 34.7 52.1

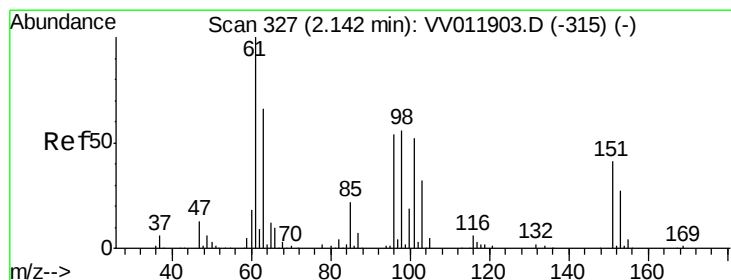
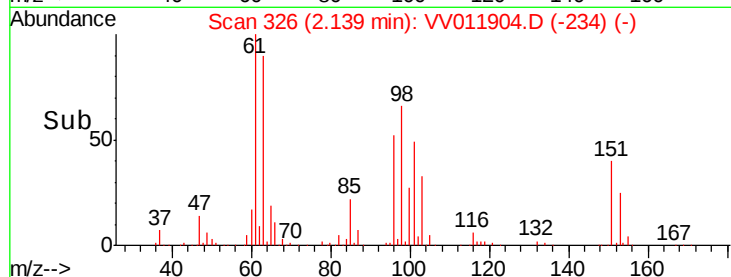
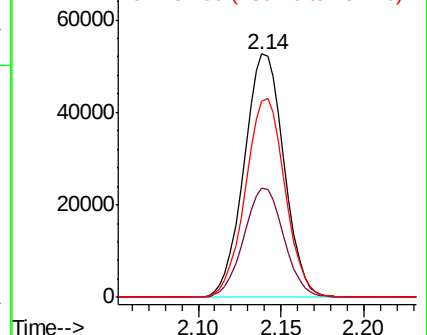
151 81.3 61.5 92.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.593 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

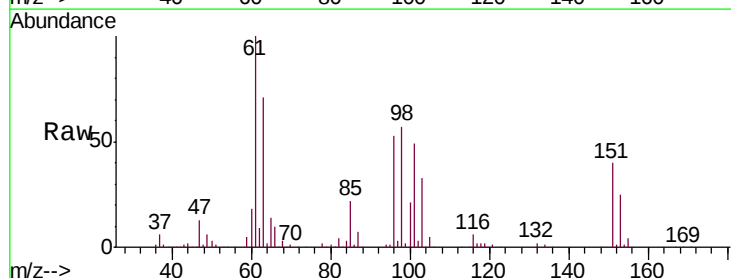
Tgt Ion: 96 Resp: 81755

Ion Ratio Lower Upper

96 100

61 187.4 128.9 239.3

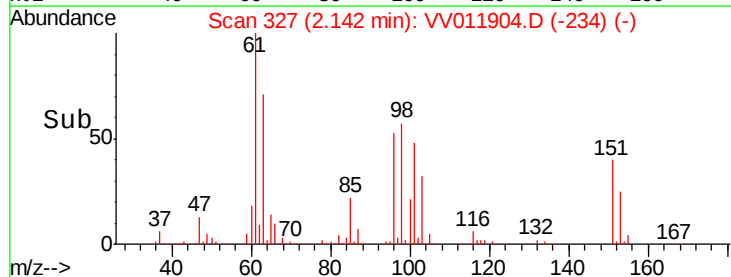
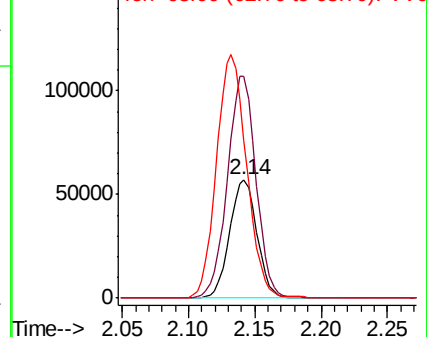
63 133.2 85.5 158.9

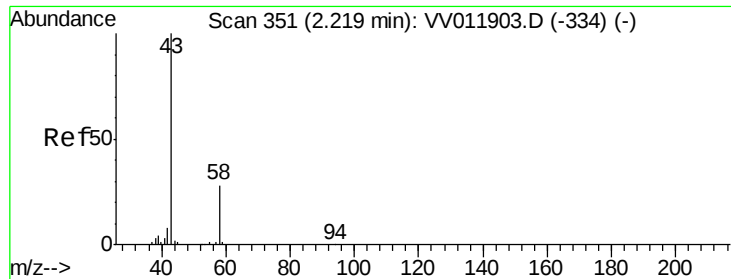


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

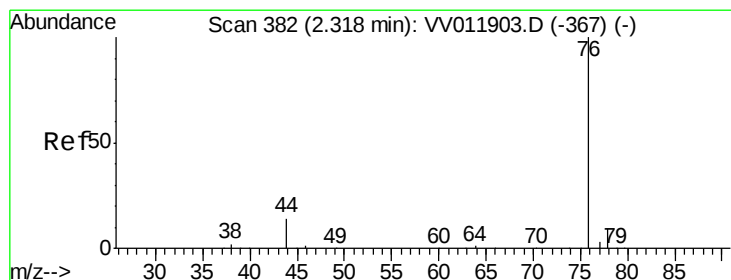
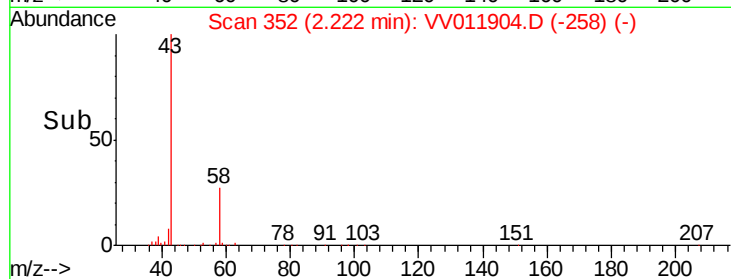
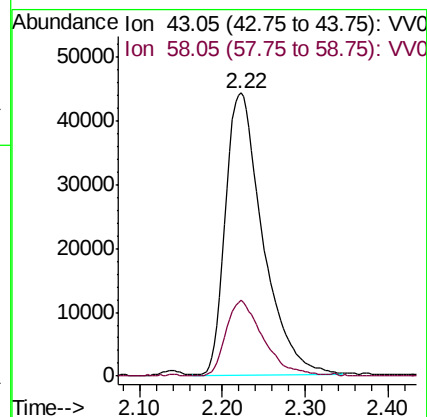
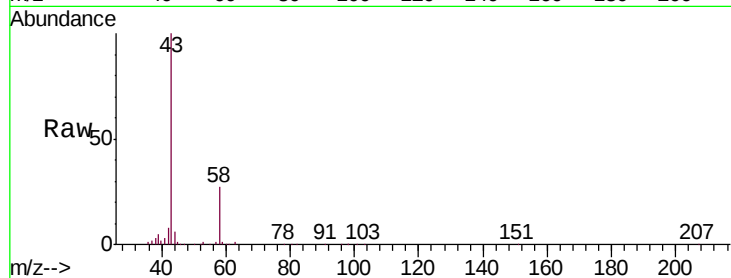




#13
Acetone
Concen: 90.143 ug/L
RT: 2.22 min Scan# 352
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

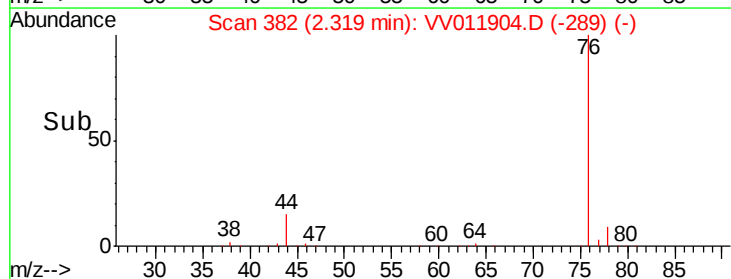
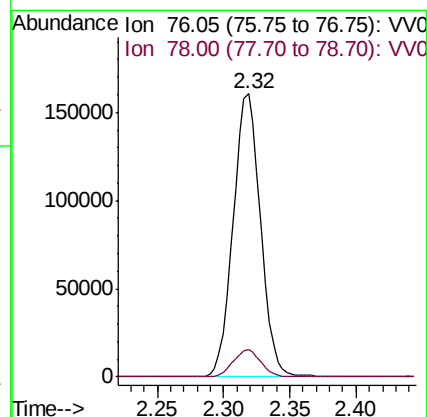
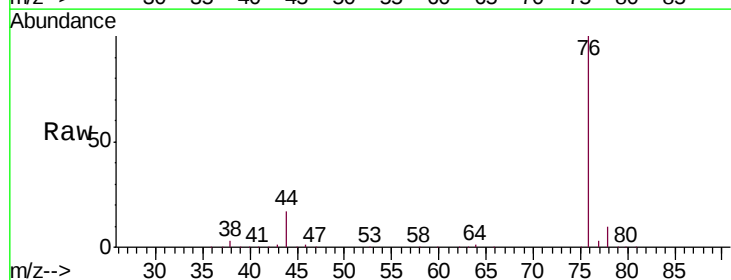
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

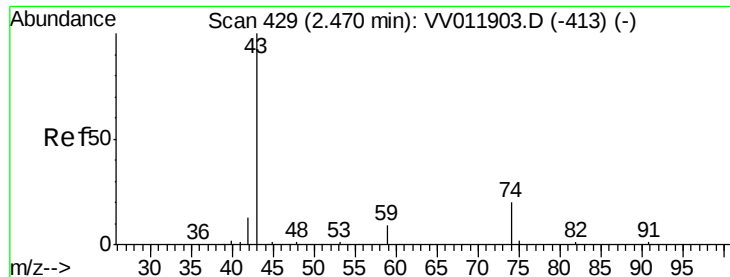
Tgt Ion: 43 Resp: 138693
Ion Ratio Lower Upper
43 100
58 26.9 0.0 55.6



#14
Carbon disulfide
Concen: 10.115 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion: 76 Resp: 230510
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

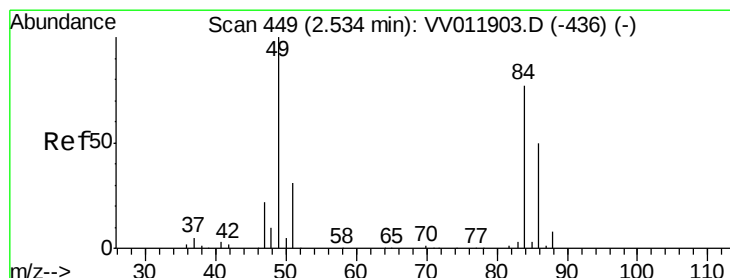
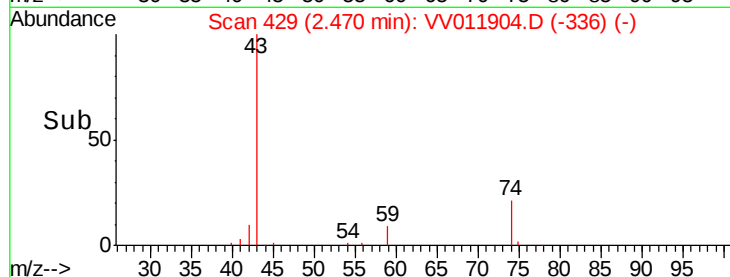
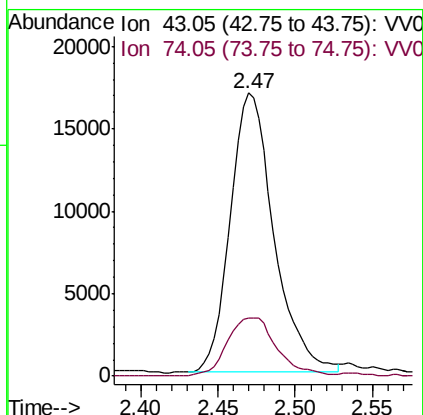
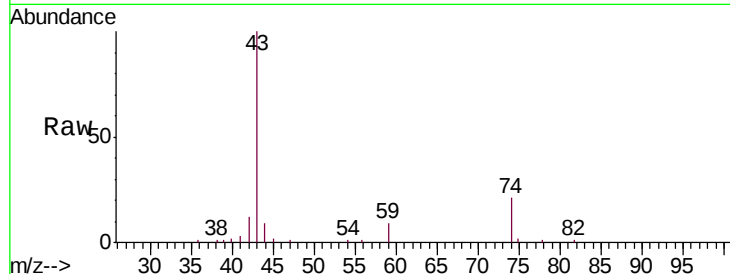




#15
Methyl Acetate
Concen: 9.387 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

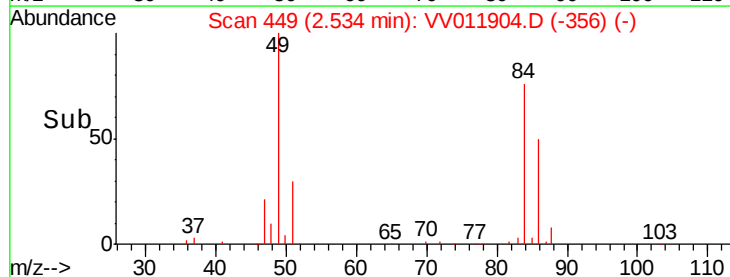
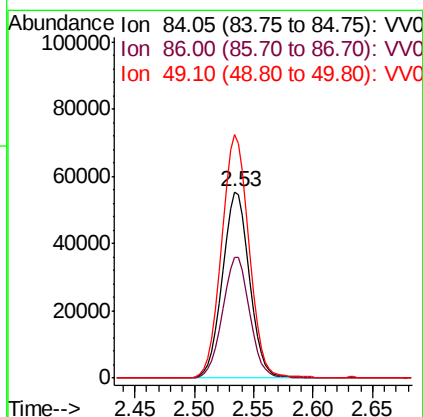
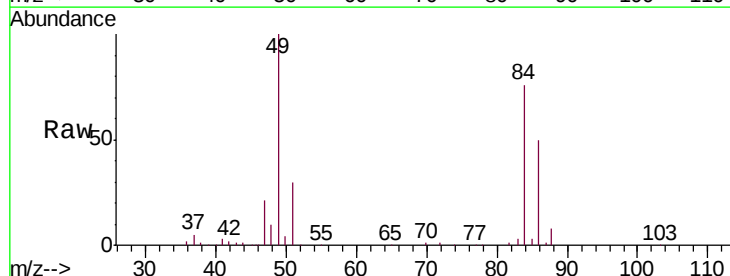
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

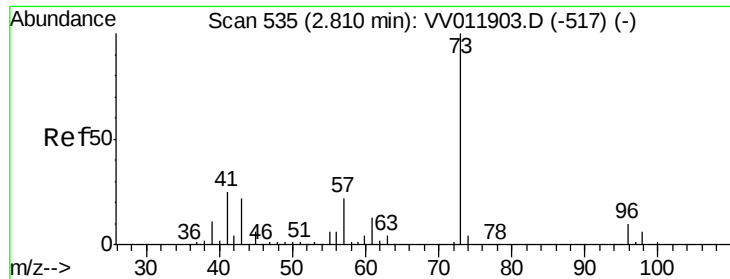
Tgt Ion: 43 Resp: 33285
Ion Ratio Lower Upper
43 100
74 23.7 18.3 27.5



#16
Methylene chloride
Concen: 9.836 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion: 84 Resp: 87731
Ion Ratio Lower Upper
84 100
86 65.0 44.8 83.2
49 130.8 90.4 168.0

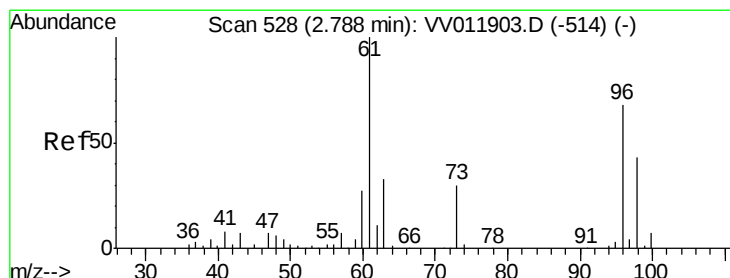
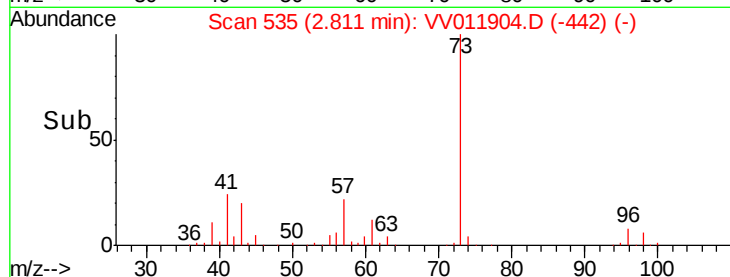
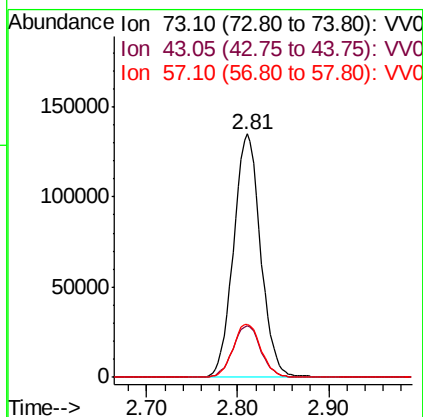
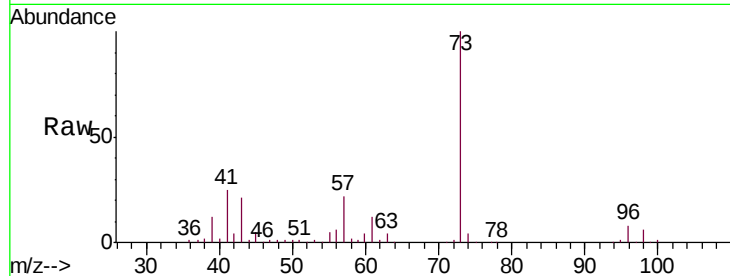




#17
Methyl tert-butyl Ether
Concen: 10.611 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

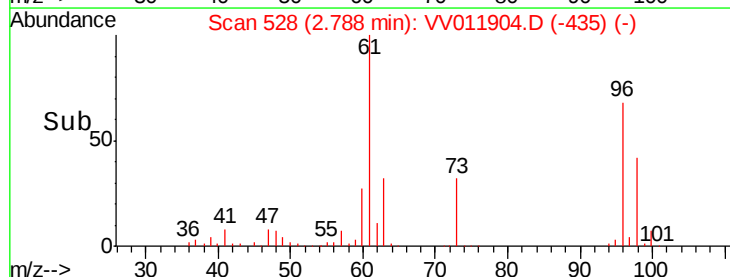
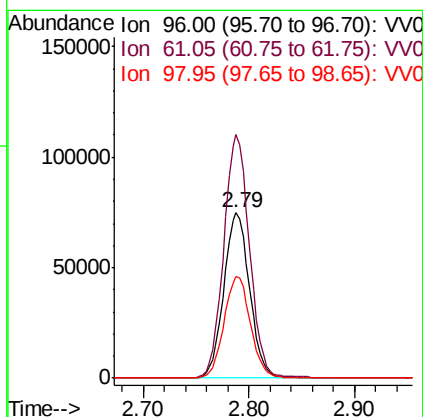
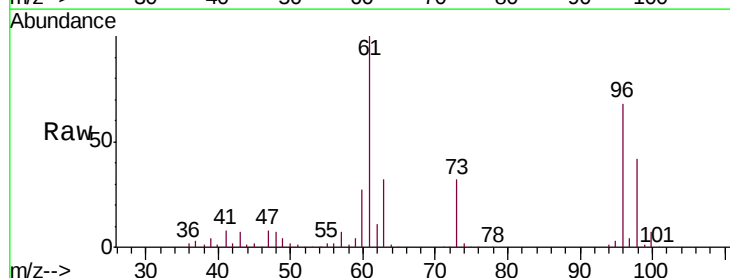
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

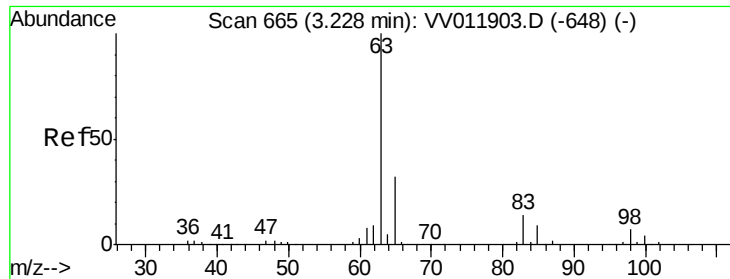
Tgt Ion: 73 Resp: 278298
Ion Ratio Lower Upper
73 100
43 21.7 17.6 26.4
57 22.7 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 10.561 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion: 96 Resp: 126670
Ion Ratio Lower Upper
96 100
61 147.4 102.2 189.8
98 61.2 44.4 82.5

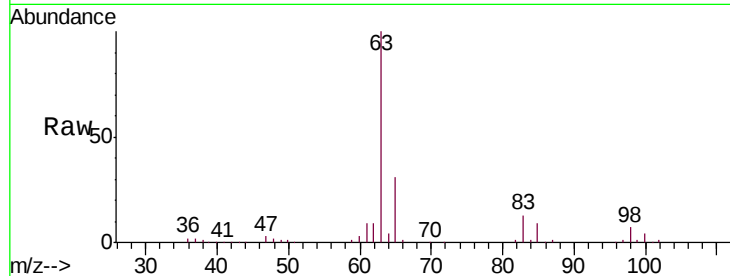




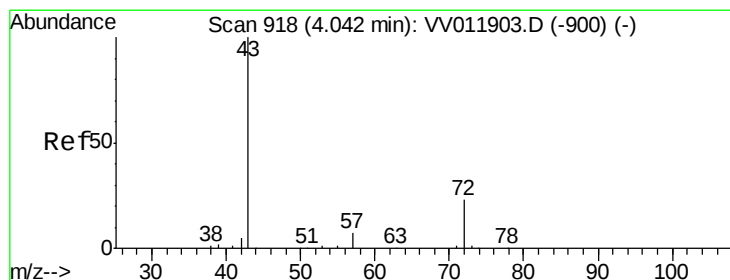
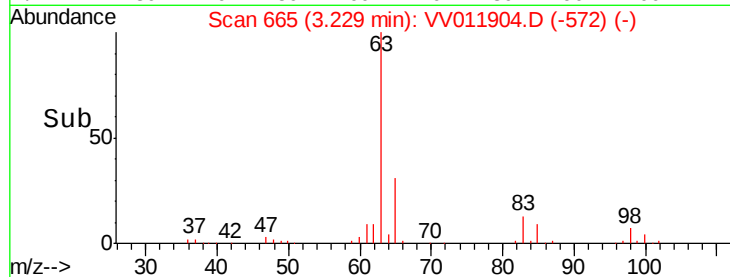
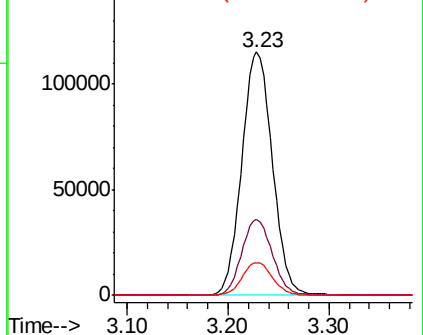
#19
 1,1-Dichloroethane
 Concen: 10.604 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion: 63 Resp: 241481
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.7 42.3
 83 13.5 9.4 17.6

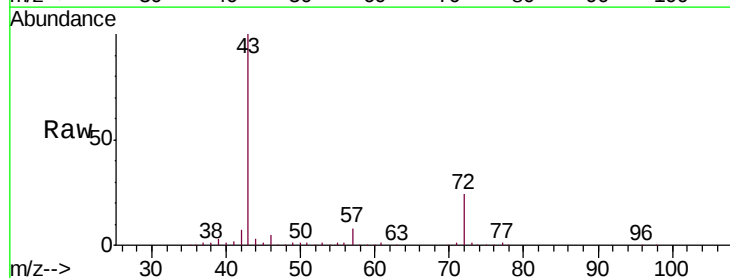


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

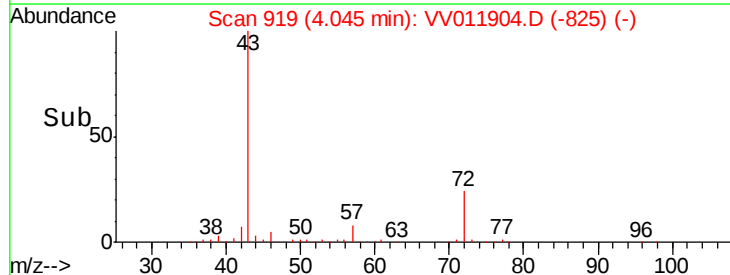
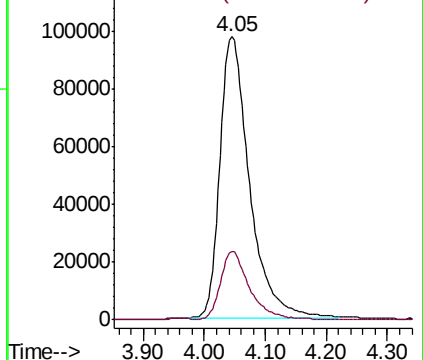


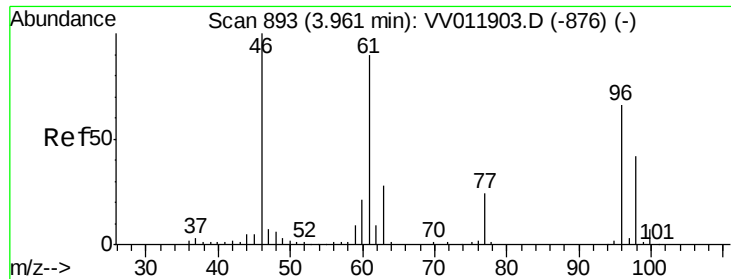
#21
 2-Butanone
 Concen: 109.447 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion: 43 Resp: 327336
 Ion Ratio Lower Upper
 43 100
 72 23.4 11.2 33.6



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



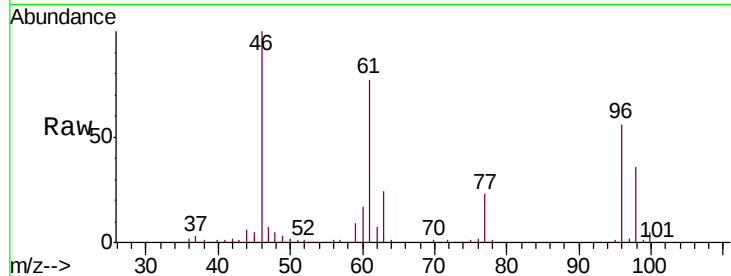


#22

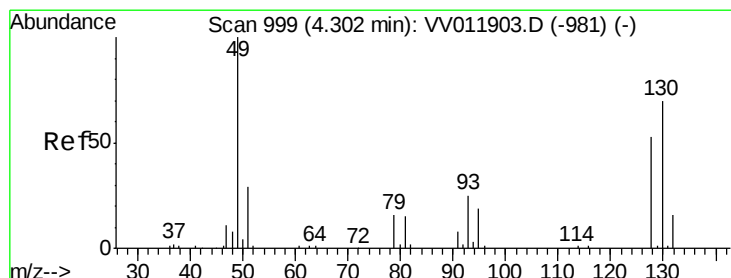
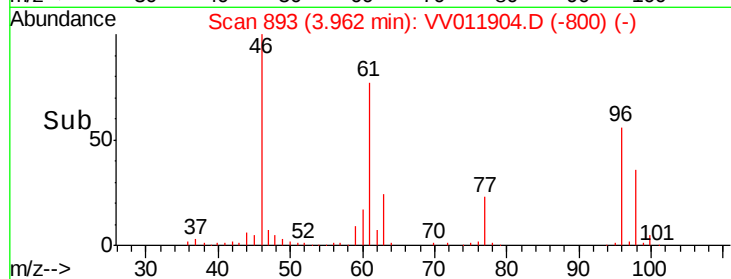
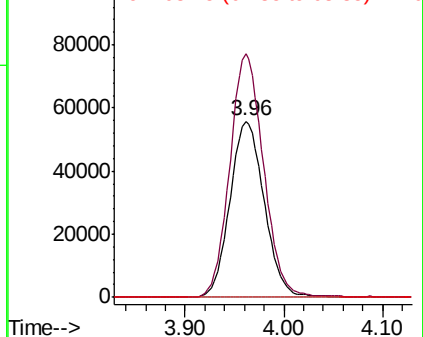
cis-1,2-Dichloroethene
 Concen: 10.588 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD01033

Tgt Ion: 96 Resp: 134943
 Ion Ratio Lower Upper
 96 100
 61 138.3 95.2 176.8
 68 0.0 0.0 0.0



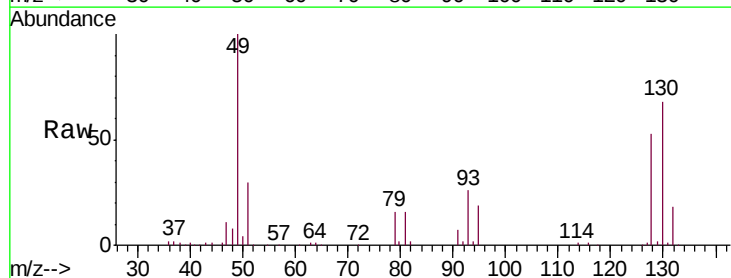
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



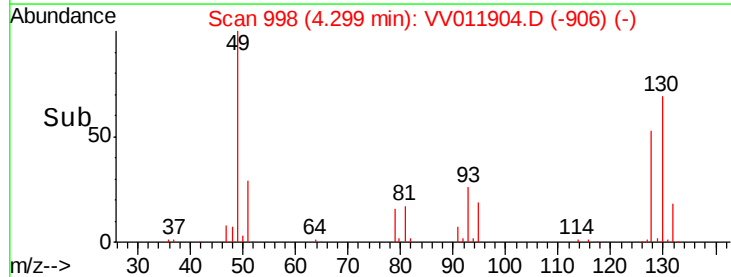
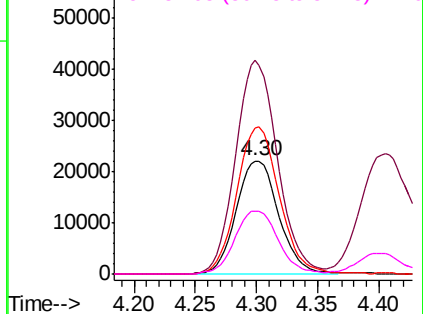
#23

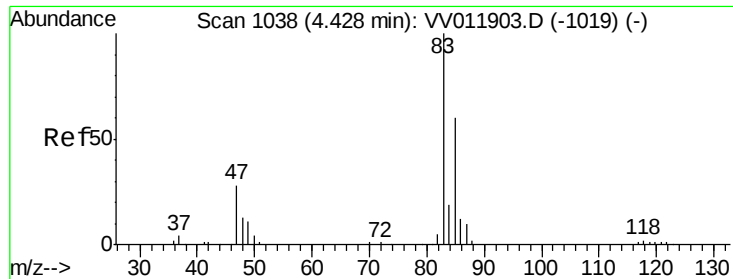
Bromochloromethane
 Concen: 9.955 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion: 128 Resp: 53426
 Ion Ratio Lower Upper
 128 100
 49 188.5 132.5 246.1
 130 128.8 92.1 171.1
 51 55.6 44.2 66.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

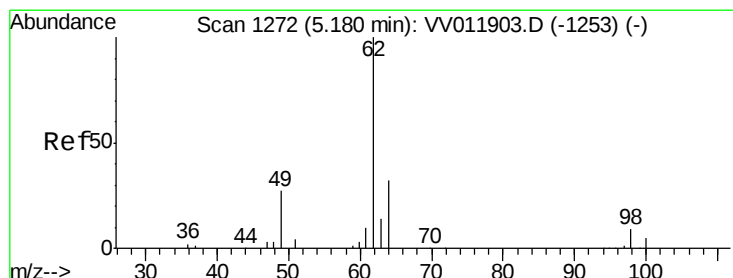
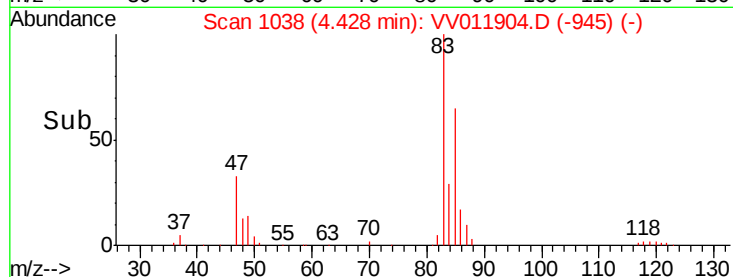
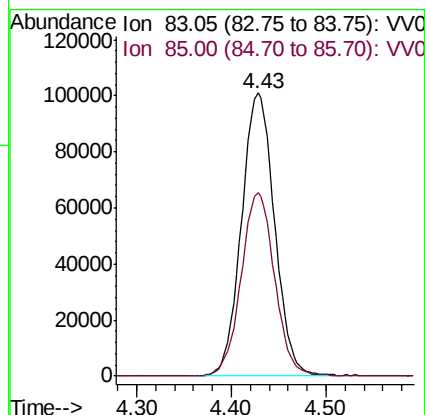
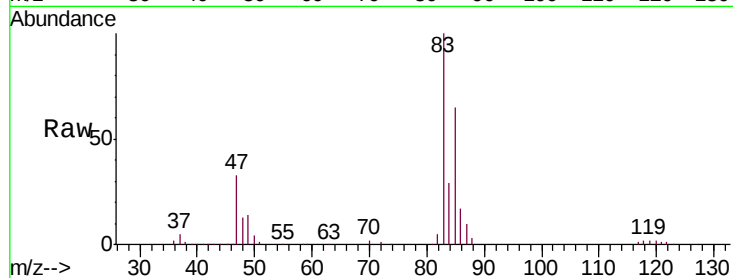




#25
Chloroform
Concen: 9.844 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

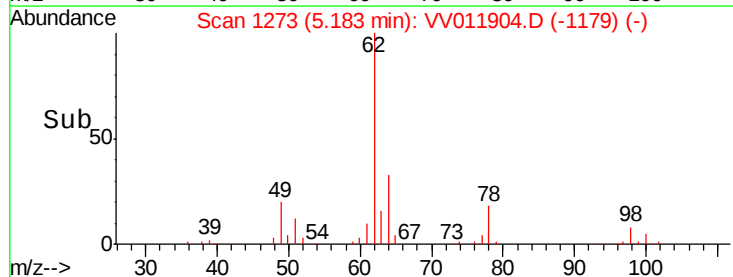
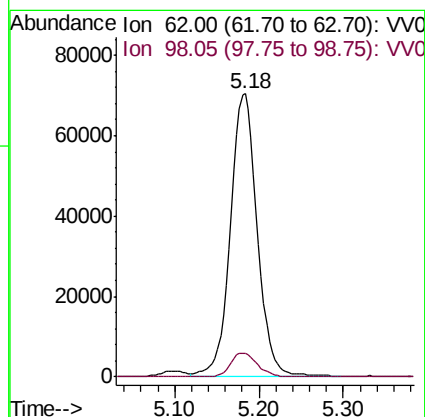
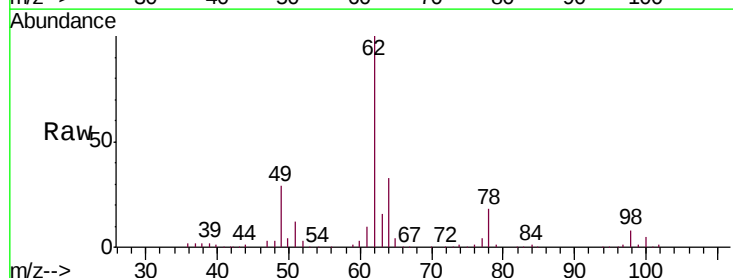
Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

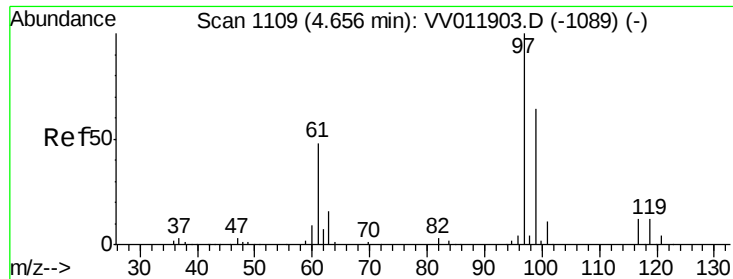
Tgt Ion: 83 Resp: 245583
Ion Ratio Lower Upper
83 100
85 64.6 42.5 78.9



#27
1,2-Dichloroethane
Concen: 10.747 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion: 62 Resp: 155169
Ion Ratio Lower Upper
62 100
98 8.2 7.2 10.8

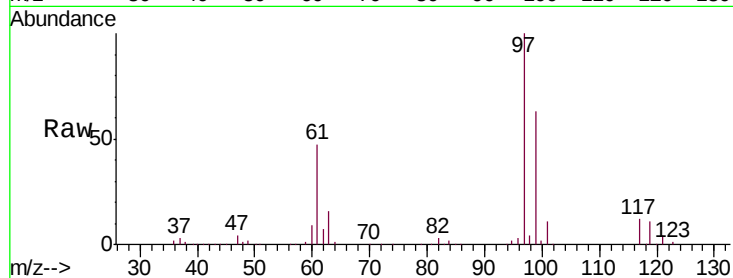




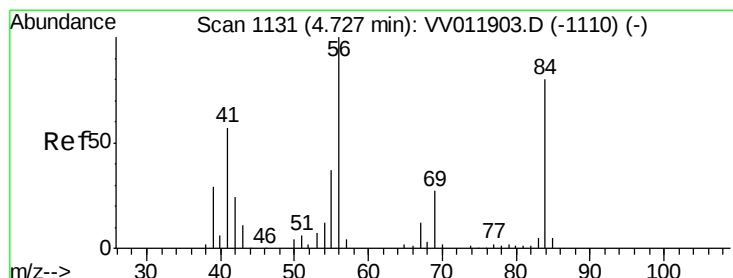
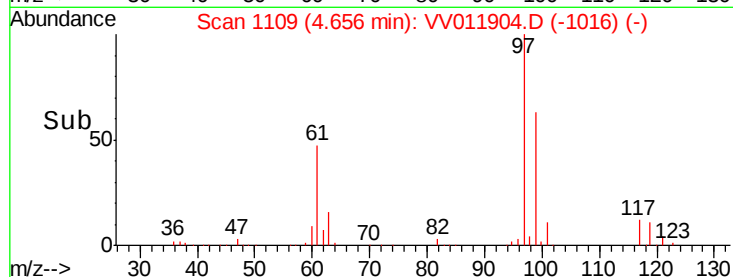
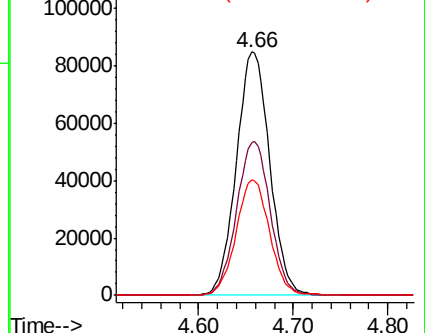
#29
 1,1,1-Trichloroethane
 Concen: 9.977 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion: 97 Resp: 208527
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.1 76.7
 61 47.7 38.6 57.8

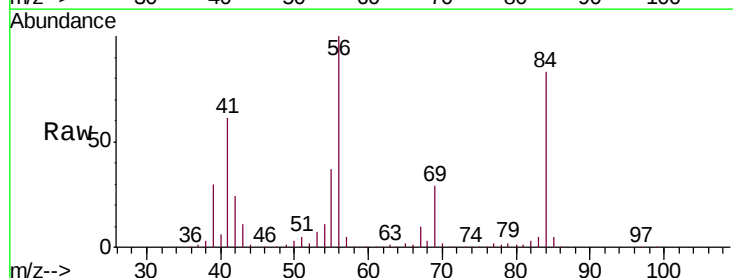


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

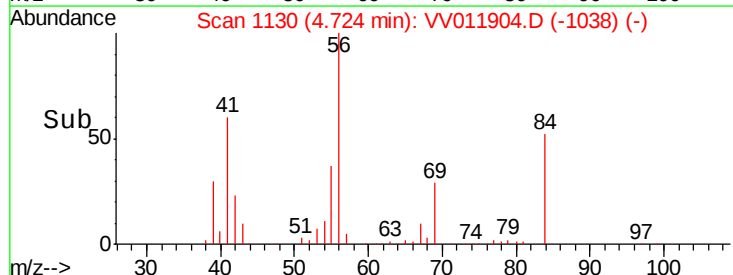
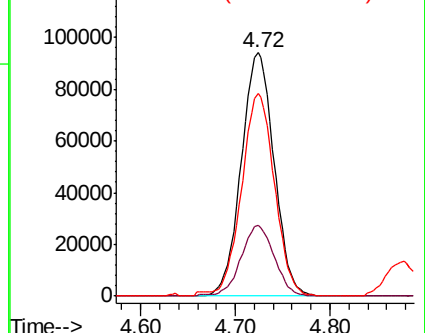


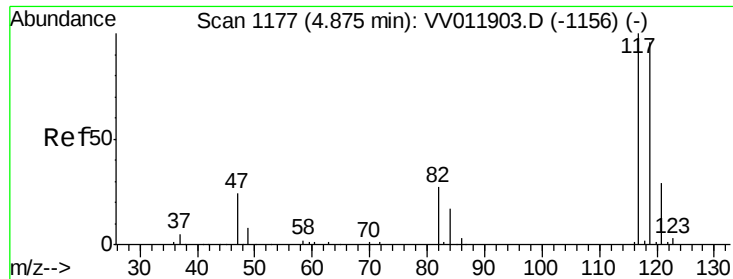
#30
 Cyclohexane
 Concen: 10.450 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion: 56 Resp: 226857
 Ion Ratio Lower Upper
 56 100
 69 29.5 23.8 35.8
 84 82.9 66.3 99.5



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: 10.266 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

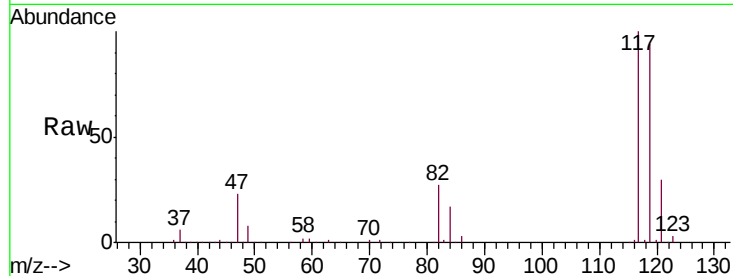
VSTD01033

Tgt Ion:117 Resp: 182512

Ion Ratio Lower Upper

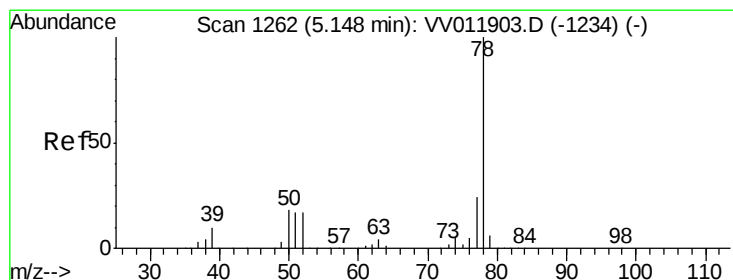
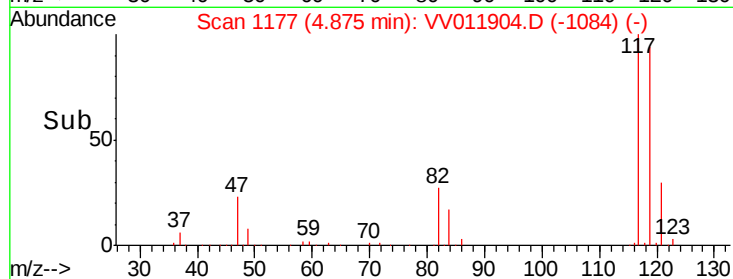
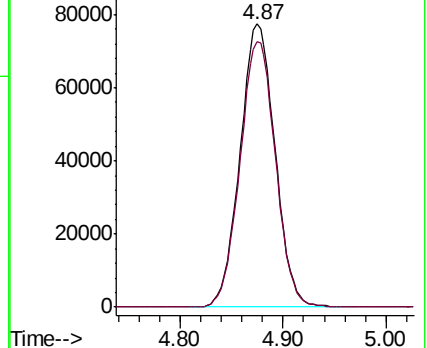
117 100

119 95.1 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.248 ug/L

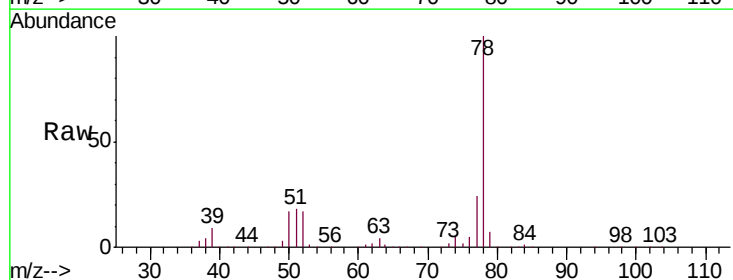
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

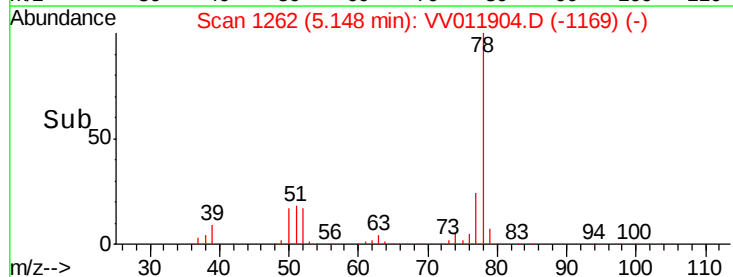
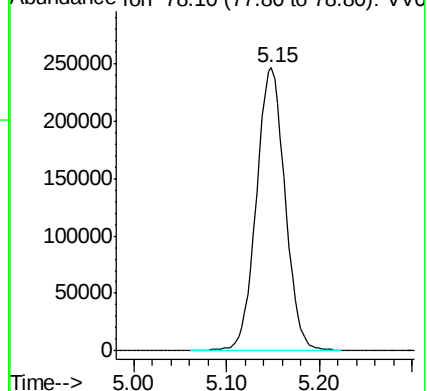
Lab File: VV011904.D

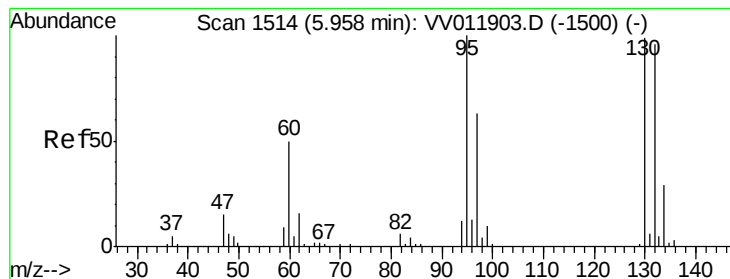
Acq: 17 Jul 2019 11:34

Tgt Ion: 78 Resp: 530005



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.589 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampled :

VSTD01033

Tgt Ion: 95 Resp: 140833

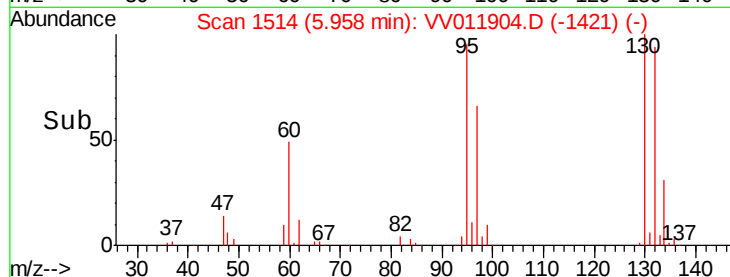
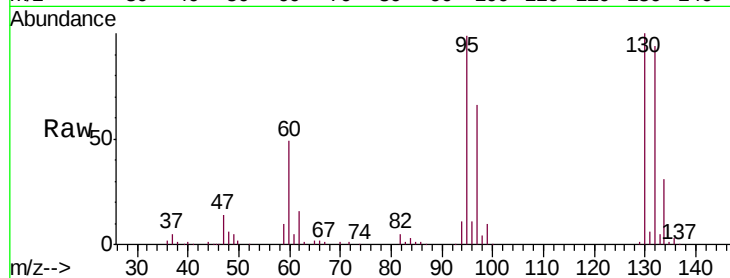
Ion Ratio Lower Upper

95 100

97 67.2 44.0 81.6

132 95.6 67.0 124.4

130 101.5 69.1 128.3

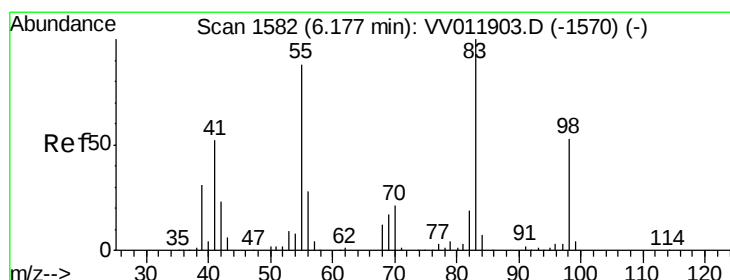
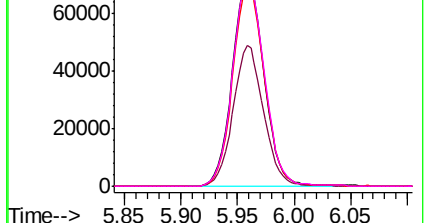


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 10.770 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

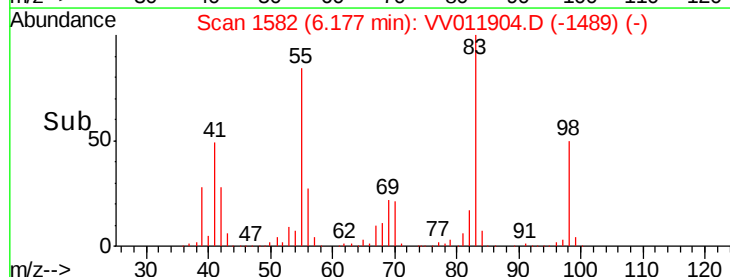
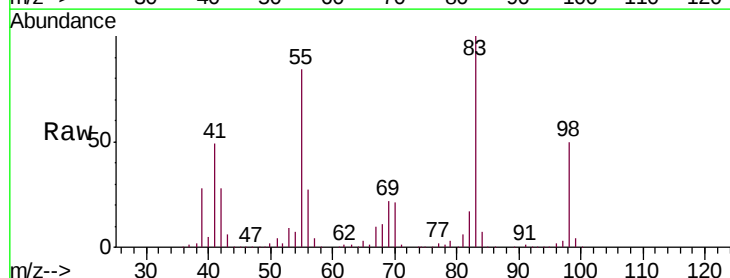
Tgt Ion: 83 Resp: 230214

Ion Ratio Lower Upper

83 100

55 81.9 66.7 100.1

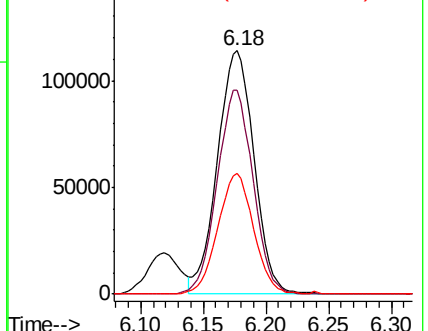
98 48.8 39.0 58.4

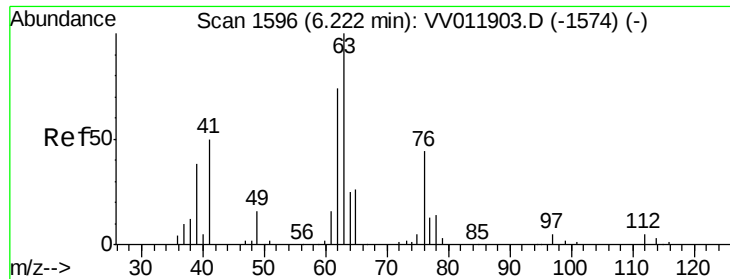


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

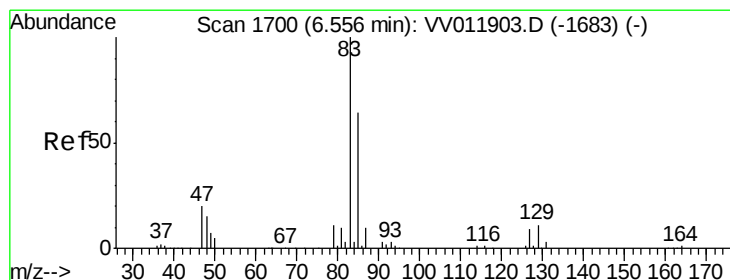
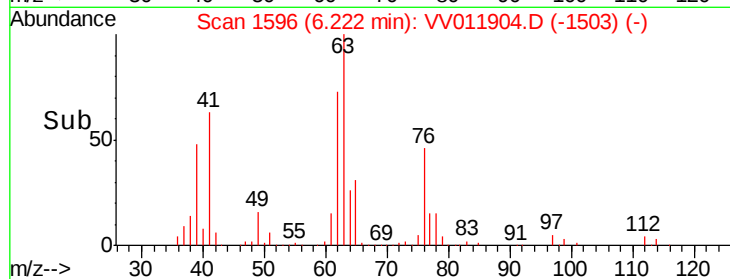
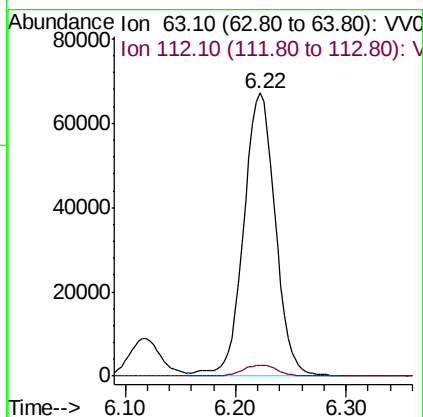
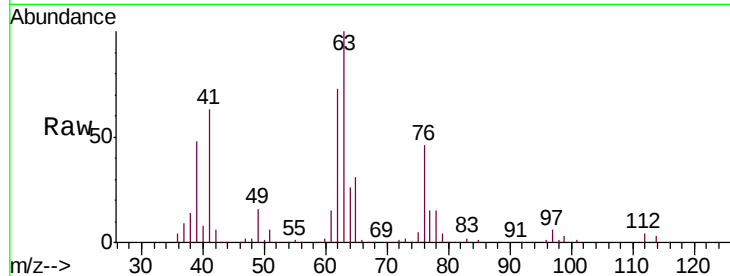




#37
 1,2-Dichloropropane
 Concen: 10.290 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

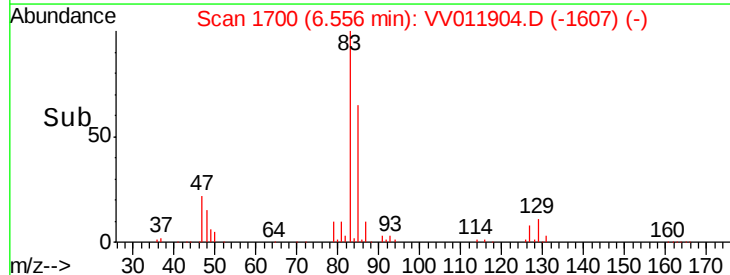
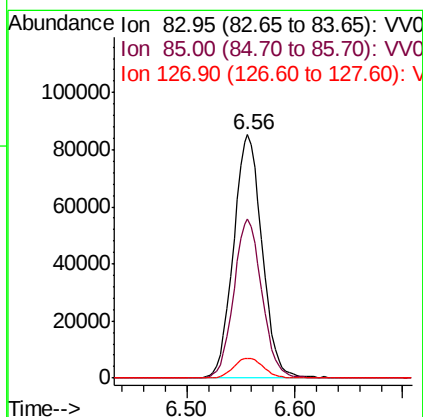
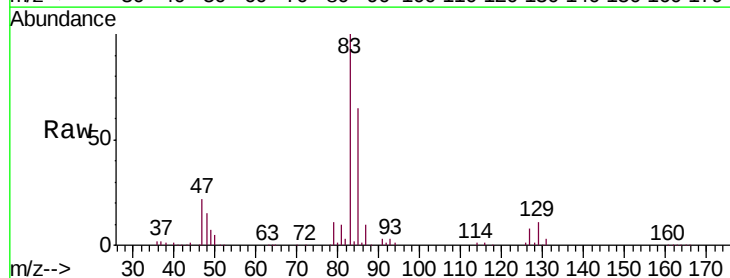
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

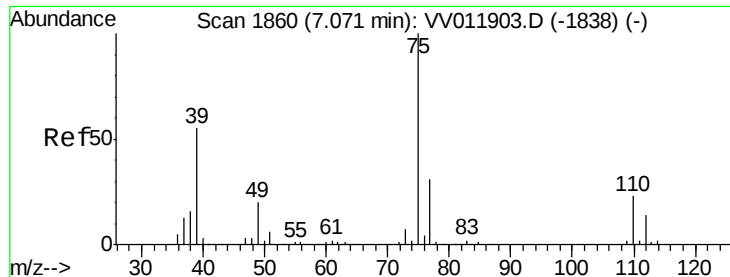
Tgt Ion: 63 Resp: 132607
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 10.235 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion: 83 Resp: 157645
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.1 83.7
 127 8.2 7.1 10.7

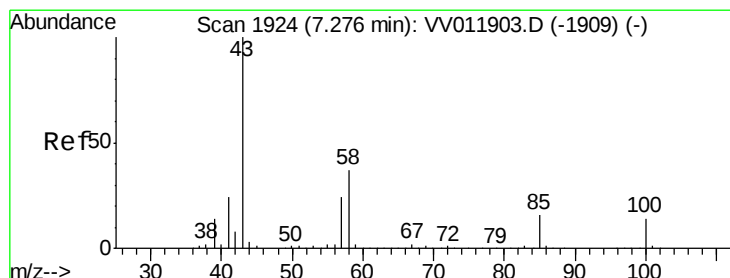
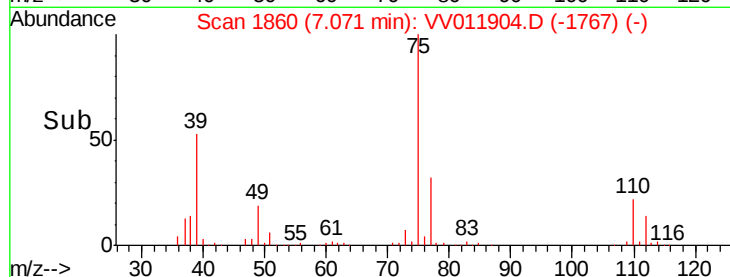
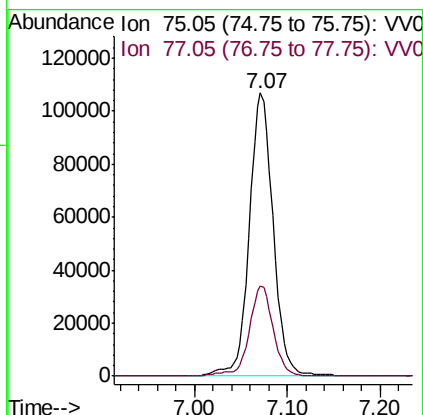
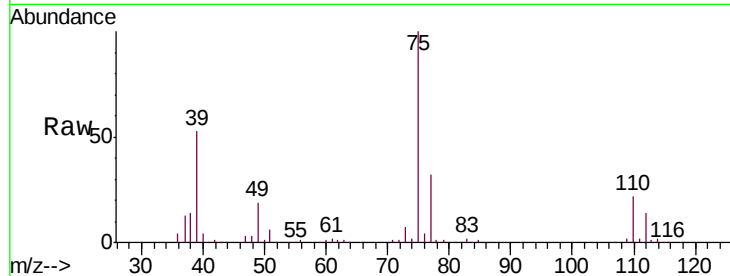




#39
 cis-1,3-Dichloropropene
 Concen: 10.994 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

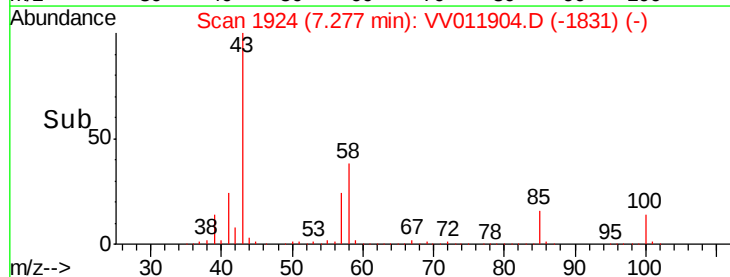
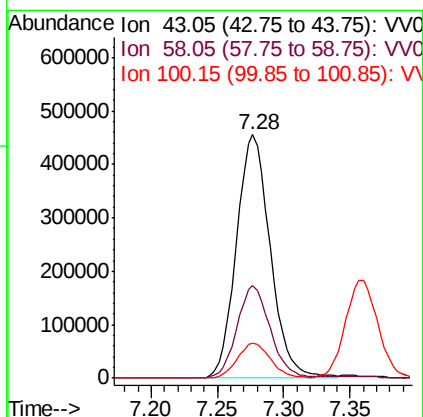
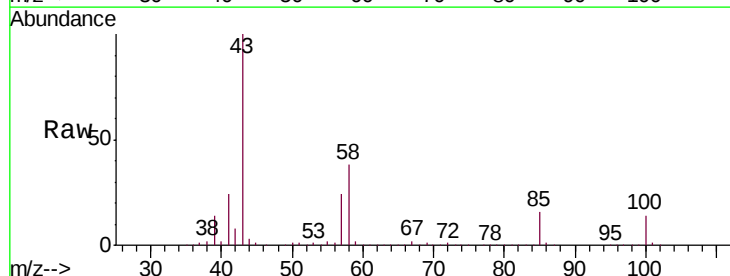
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

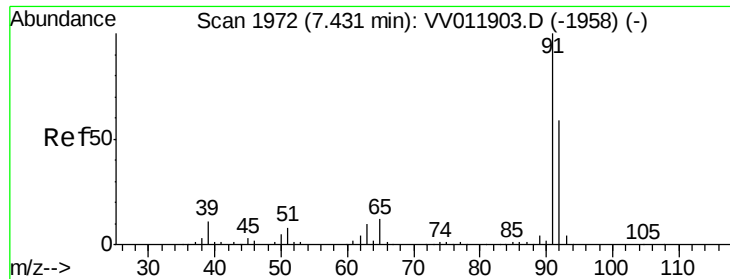
Tgt Ion: 75 Resp: 190793
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 106.309 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion: 43 Resp: 808522
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.4 44.2
 100 14.2 11.1 16.7





#42

Toluene

Concen: 10.605 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

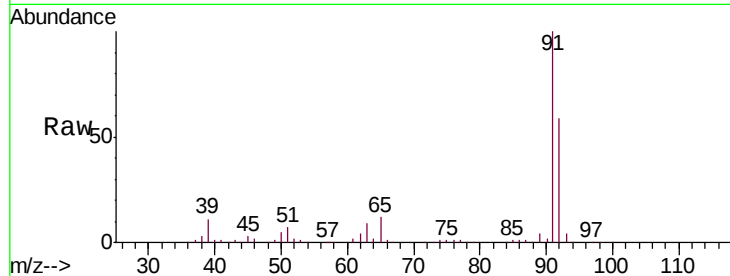
VSTD01033

Tgt Ion: 91 Resp: 571328

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV011903.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV011903.D (-1958) (-)

7.43

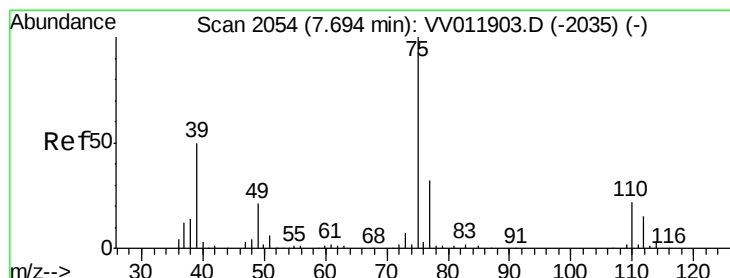
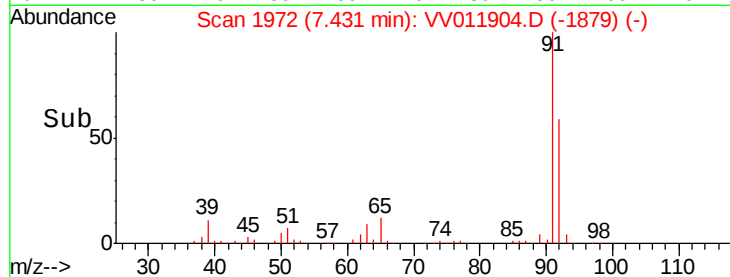
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.868 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011904.D

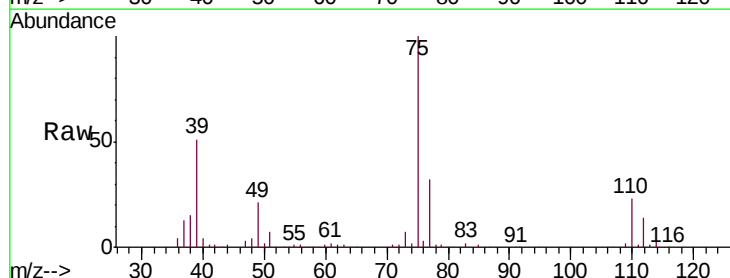
Acq: 17 Jul 2019 11:34

Tgt Ion: 75 Resp: 148517

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV011903.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV011903.D (-2035) (-)

7.69

100000

80000

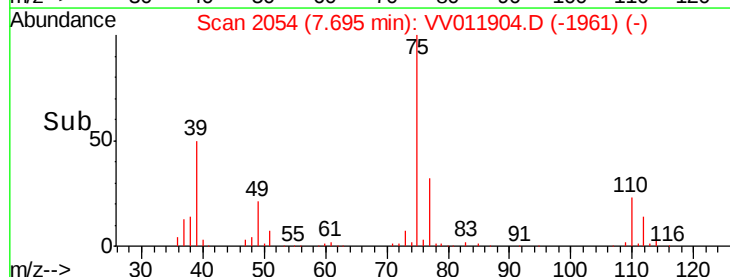
60000

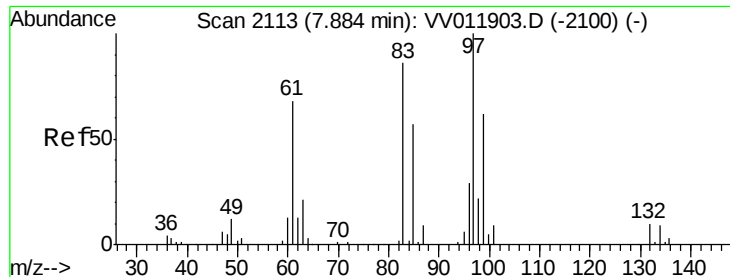
40000

20000

0

Time-->

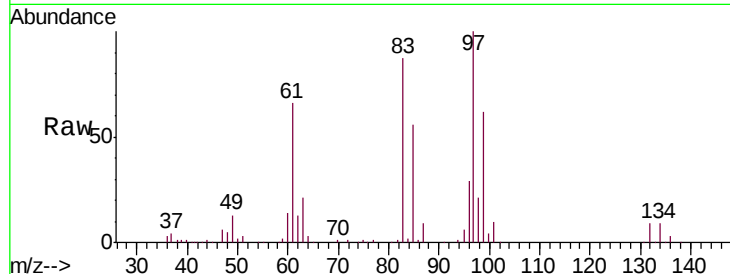




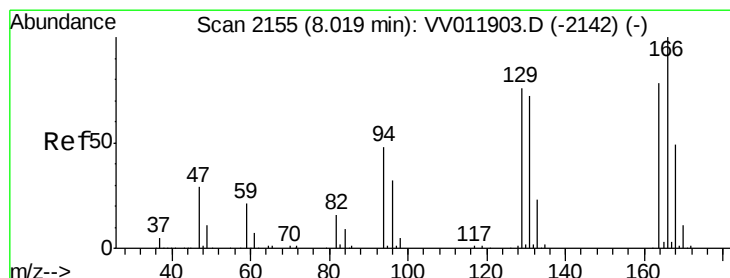
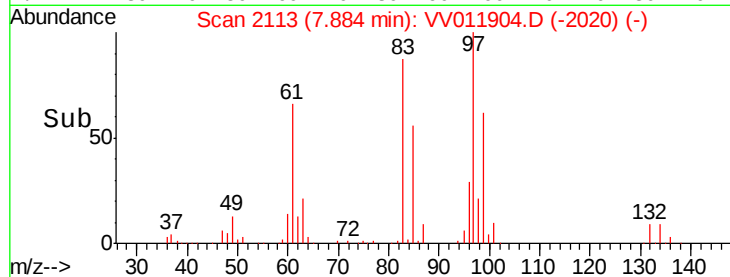
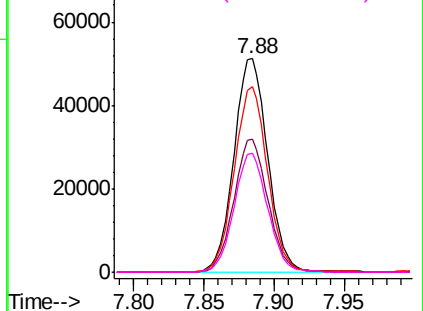
#45
 1,1,2-Trichloroethane
 Concen: 10.032 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:	97	Resp:	86148
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.5	80.7
83	87.1	60.5	112.3
85	56.0	39.6	73.6

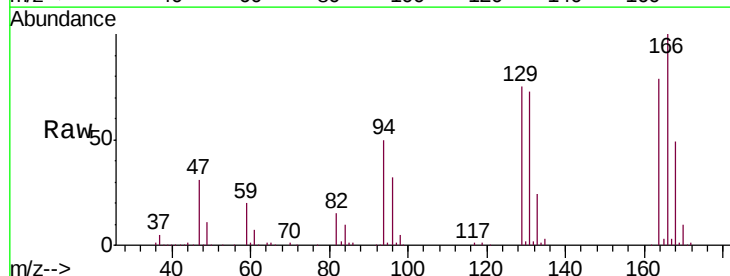


Abundance Ion 96.95 (96.65 to 97.65): VV011903.D (-2100) (-)
 Ion 99.05 (98.75 to 99.75): VV011903.D (-2100) (-)
 Ion 82.95 (82.65 to 83.65): VV011903.D (-2100) (-)
 Ion 85.00 (84.70 to 85.70): VV011903.D (-2100) (-)

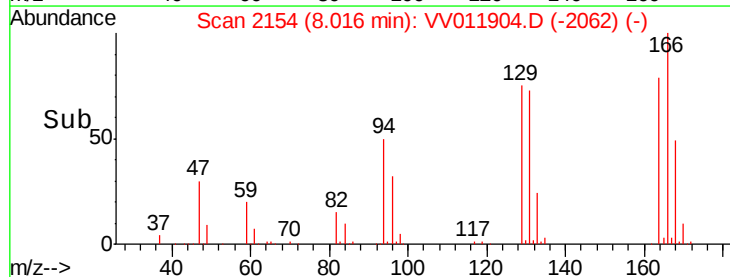
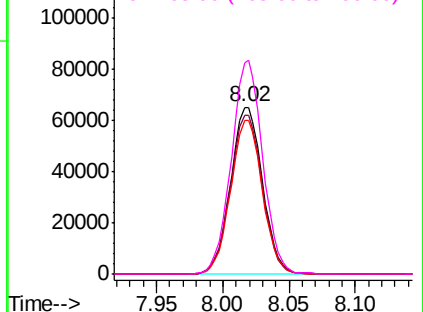


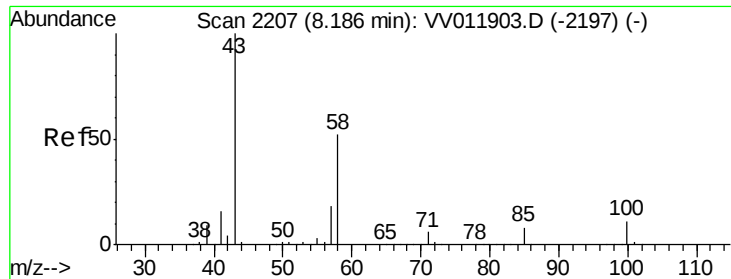
#47
 Tetrachloroethene
 Concen: 10.175 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion:	164	Resp:	109302
Ion	Ratio	Lower	Upper
164	100		
129	95.1	68.6	127.4
131	91.8	64.6	120.0
166	126.4	89.7	166.7



Abundance Ion 163.90 (163.60 to 164.60): VV011903.D (-2142) (-)
 Ion 128.95 (128.65 to 129.65): VV011903.D (-2142) (-)
 Ion 130.95 (130.65 to 131.65): VV011903.D (-2142) (-)
 Ion 165.90 (165.60 to 166.60): VV011903.D (-2142) (-)

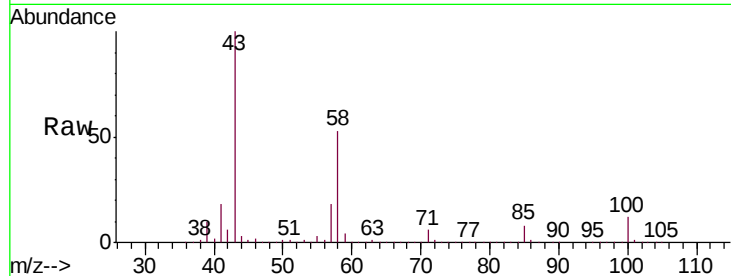




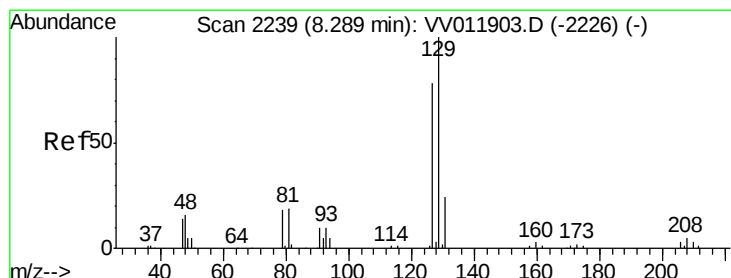
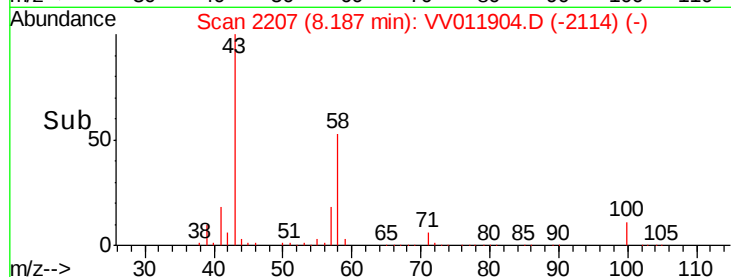
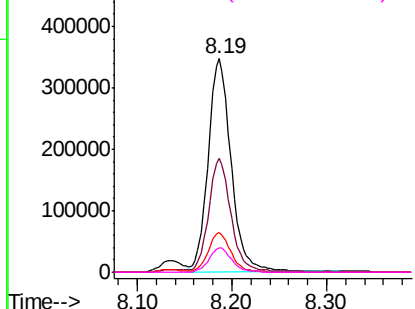
#48
2-Hexanone
Concen: 107.023 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion: 43 Resp: 586305
Ion Ratio Lower Upper
43 100
58 51.5 41.1 61.7
57 18.0 14.3 21.5
100 11.4 8.7 13.1

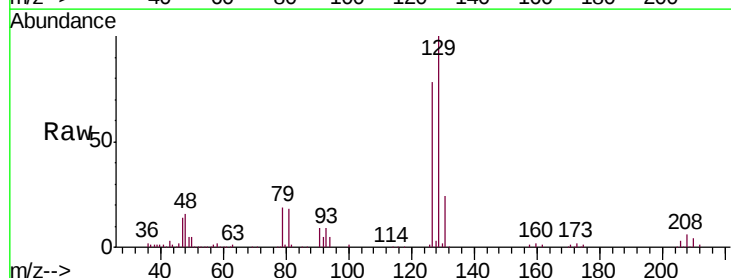


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

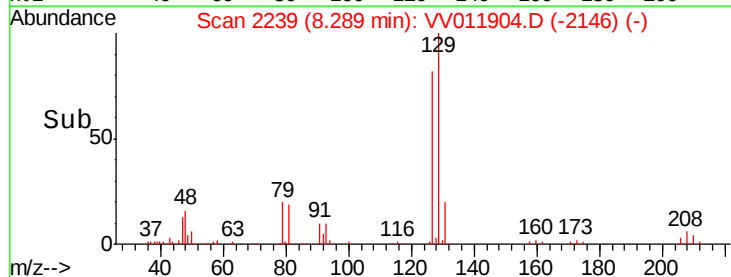
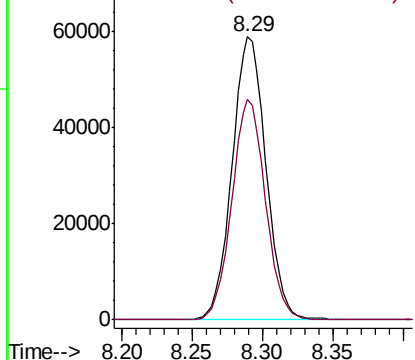


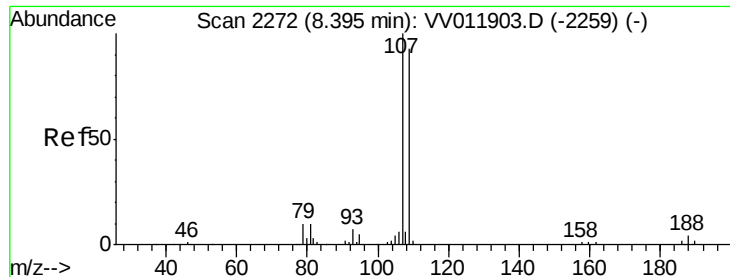
#49
Dibromochloromethane
Concen: 10.474 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion: 129 Resp: 99273
Ion Ratio Lower Upper
129 100
127 77.9 54.3 100.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

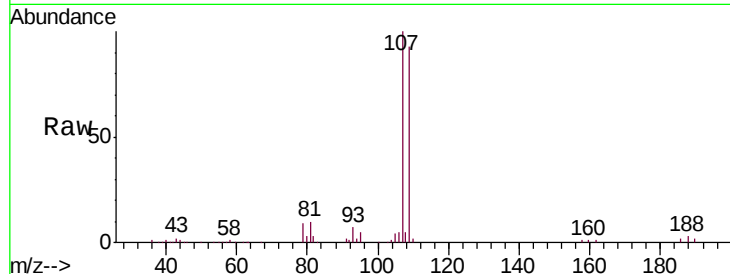




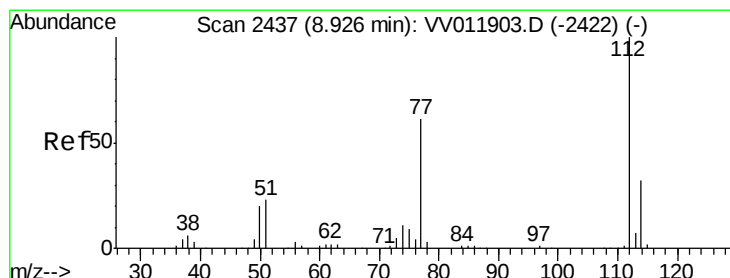
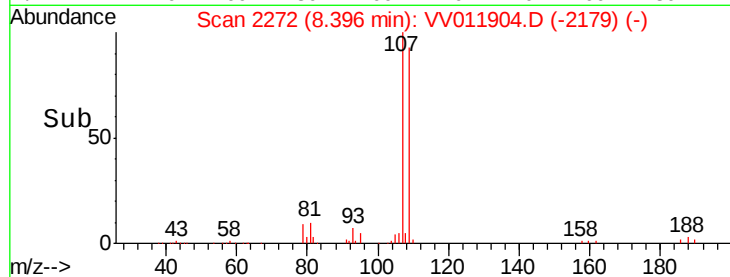
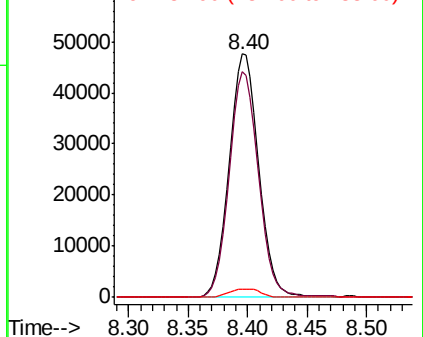
#50
1,2-Dibromoethane
Concen: 10.311 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD01033

Tgt Ion:107 Resp: 81918
Ion Ratio Lower Upper
107 100
109 92.8 65.2 121.2
188 3.4 2.9 4.3

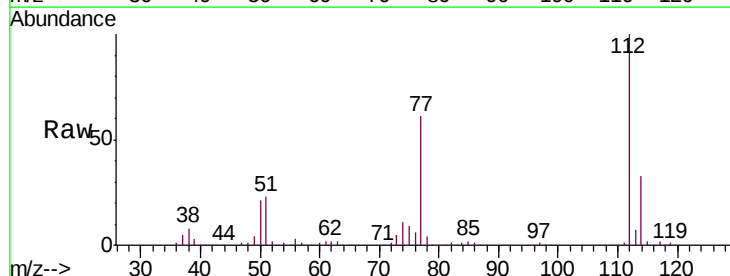


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

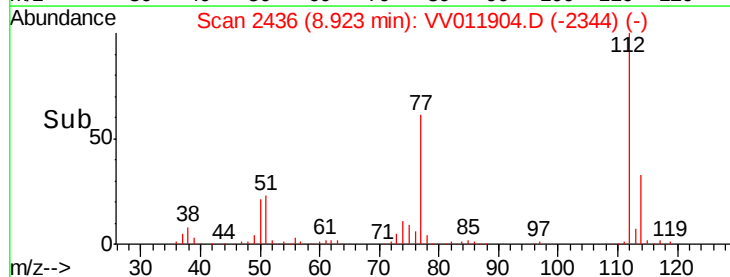
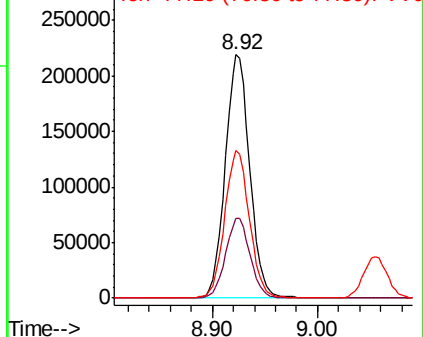


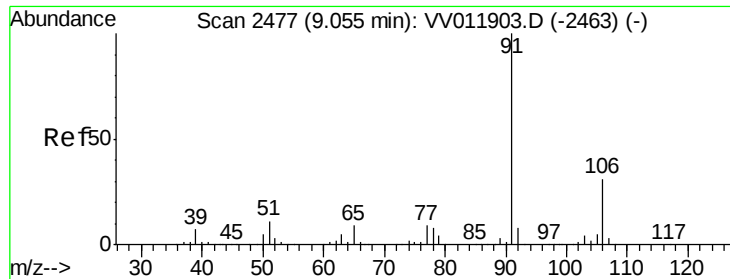
#51
Chlorobenzene
Concen: 10.075 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011904.D
Acq: 17 Jul 2019 11:34

Tgt Ion:112 Resp: 350470
Ion Ratio Lower Upper
112 100
114 32.7 22.6 42.0
77 60.6 48.6 73.0



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): VV0





#52

Ethylbenzene

Concen: 10.703 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

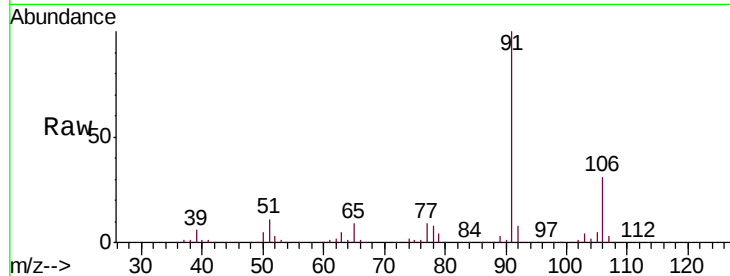
VSTD01033

Tgt Ion: 91 Resp: 637343

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VV011903.D (-2463) (-)

Ion 106.15 (105.85 to 106.85): VV011903.D (-2463) (-)

9.05

400000

300000

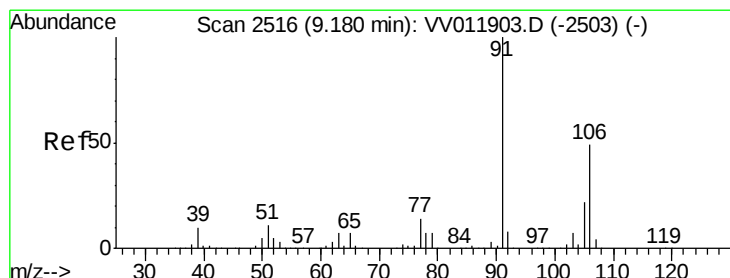
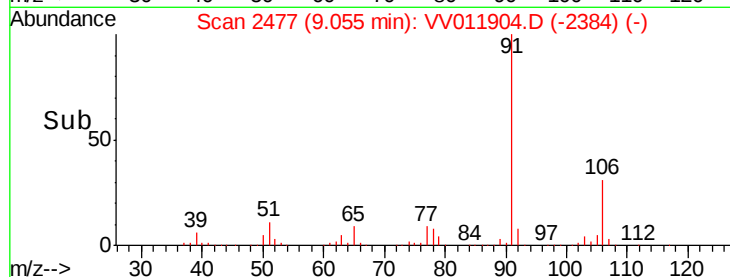
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 10.910 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011904.D

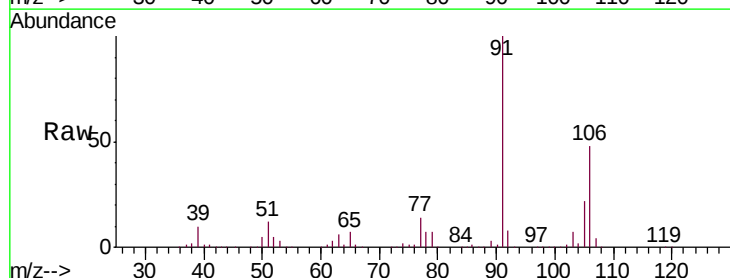
Acq: 17 Jul 2019 11:34

Tgt Ion: 106 Resp: 239889

Ion Ratio Lower Upper

106 100

91 206.5 141.8 263.4



Abundance Ion 106.15 (105.85 to 106.85): VV011903.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV011903.D (-2503) (-)

9.18

400000

300000

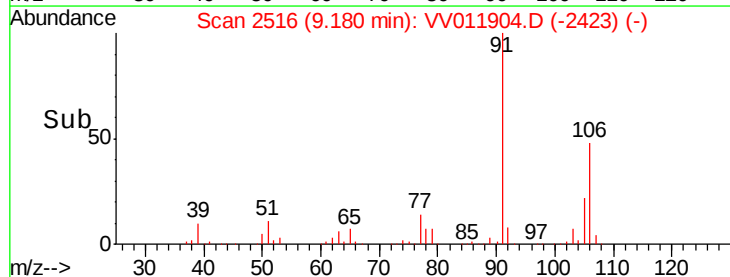
200000

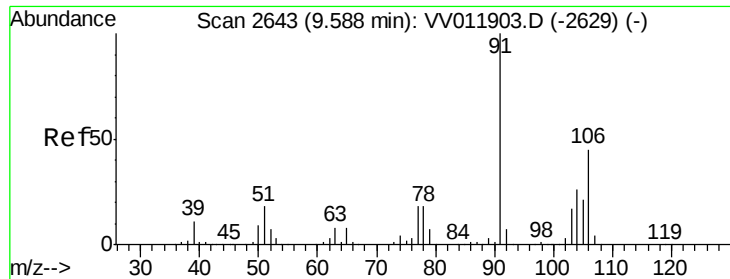
100000

0

9.10 9.20 9.30

Time-->





#54

o-xylene

Concen: 10.820 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

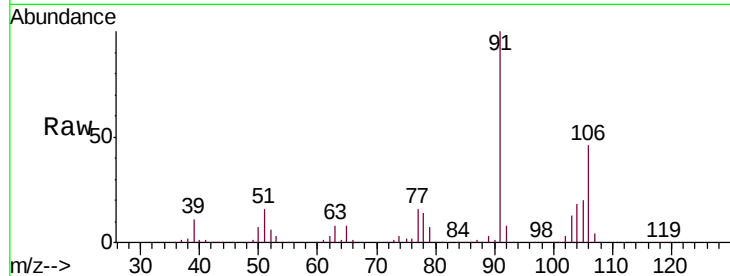
VSTD01033

Tgt Ion:106 Resp: 226411

Ion Ratio Lower Upper

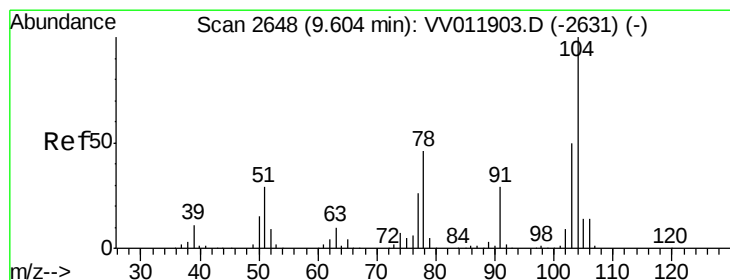
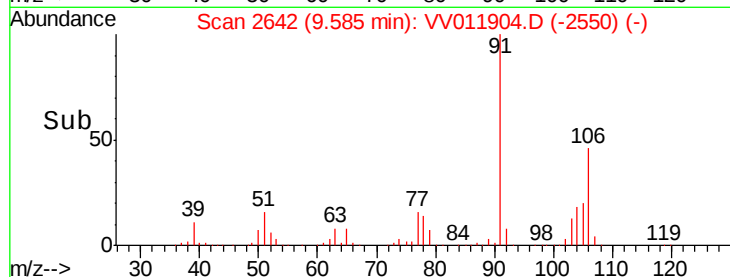
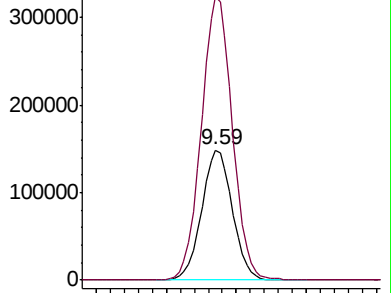
106 100

91 217.6 156.9 291.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.173 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011904.D

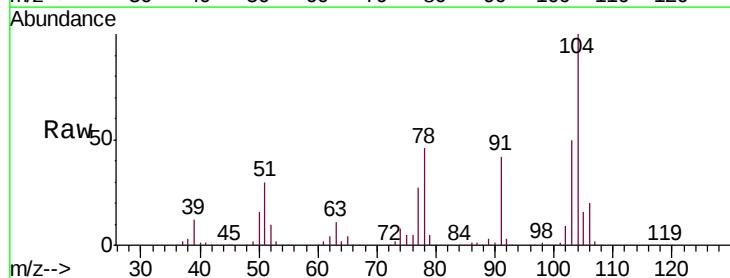
Acq: 17 Jul 2019 11:34

Tgt Ion:104 Resp: 394071

Ion Ratio Lower Upper

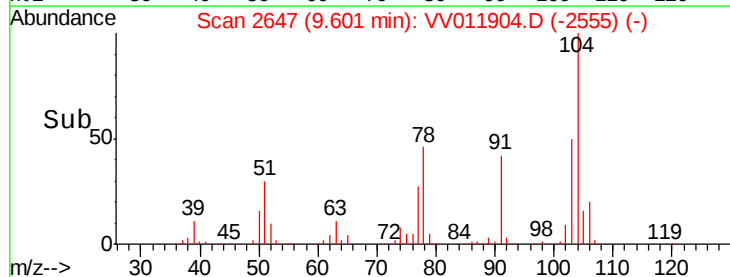
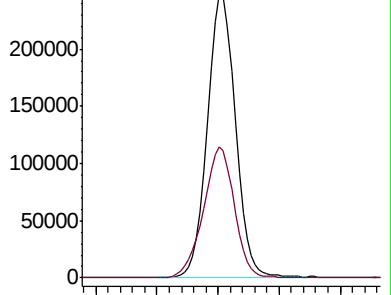
104 100

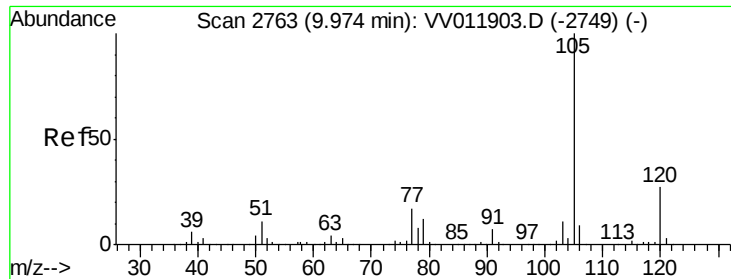
78 46.2 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.926 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampled :

VSTD01033

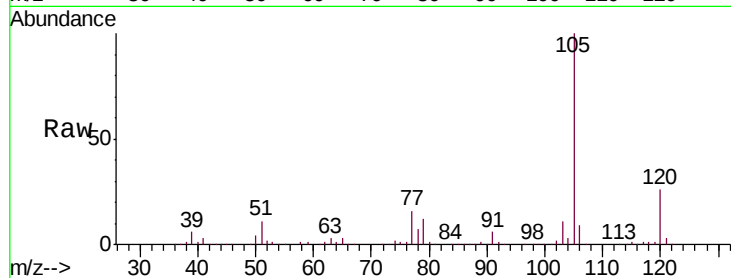
Tgt Ion: 105 Resp: 624357

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

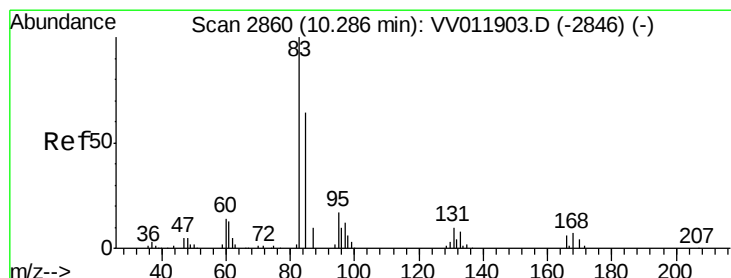
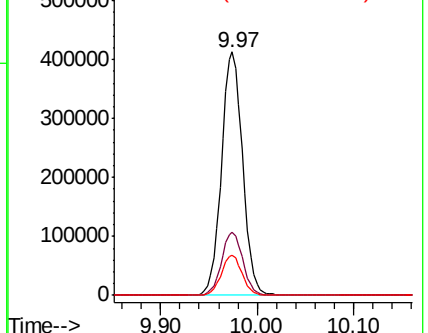
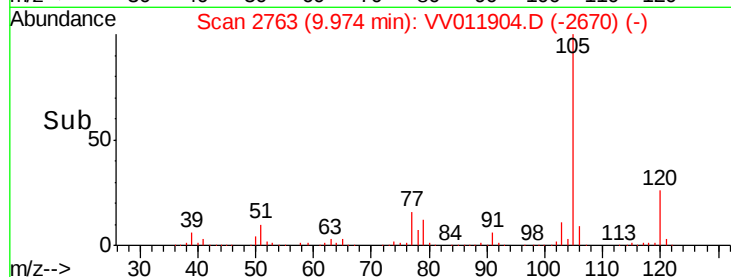
77 16.3 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.437 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

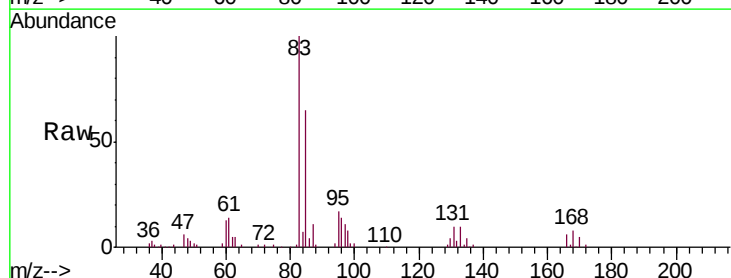
Tgt Ion: 83 Resp: 87908

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

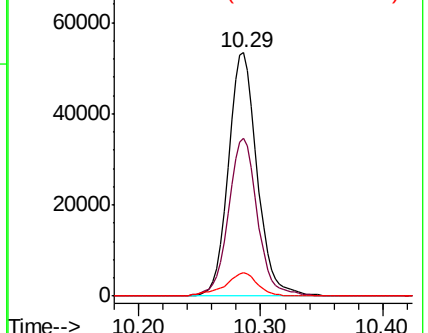
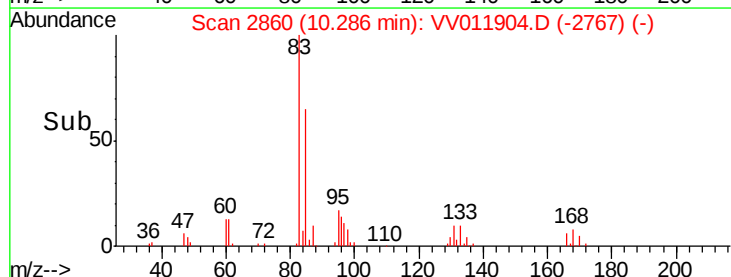
131 9.5 8.2 12.2

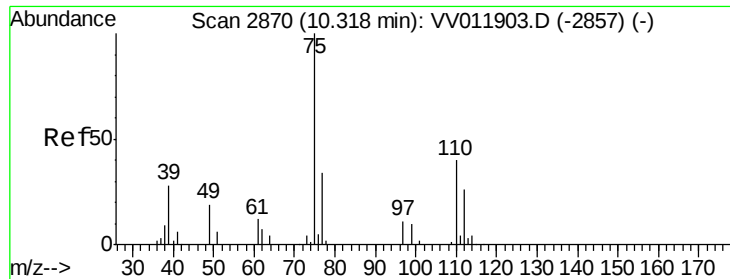


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.852 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

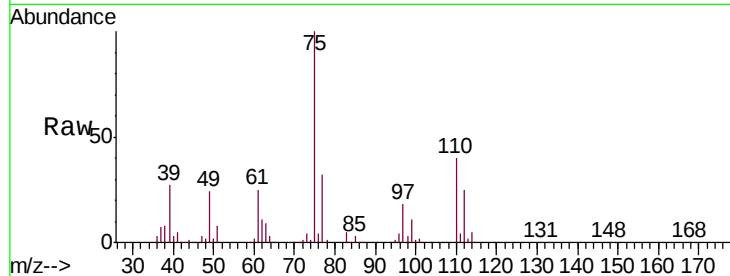
VSTD01033

Tgt Ion: 75 Resp: 74815

Ion Ratio Lower Upper

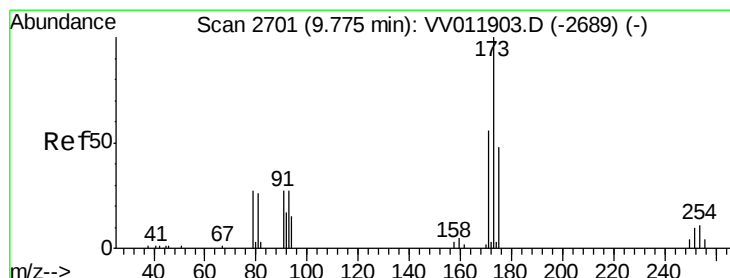
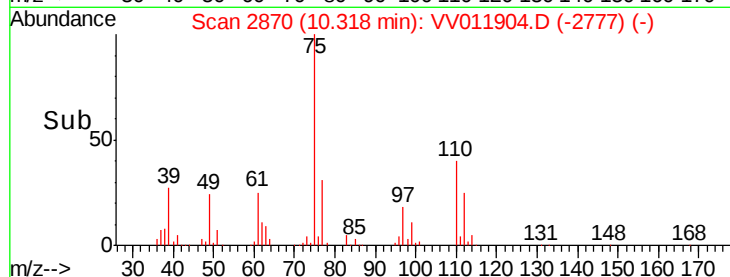
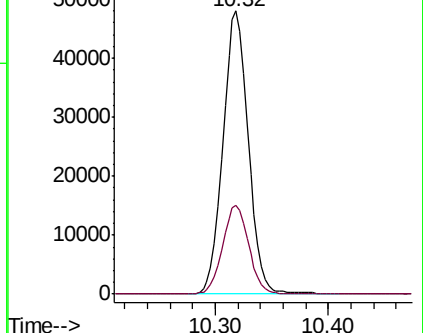
75 100

77 32.3 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV011903.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011903.D (-2857) (-)



#61

Bromoform

Concen: 10.557 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

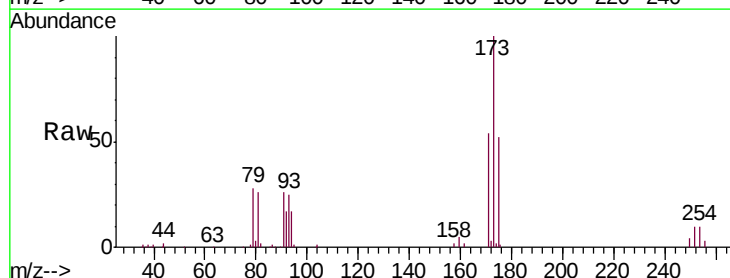
Tgt Ion: 173 Resp: 46920

Ion Ratio Lower Upper

173 100

175 50.2 39.1 58.7

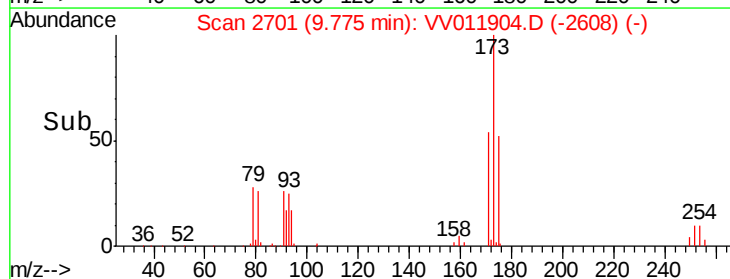
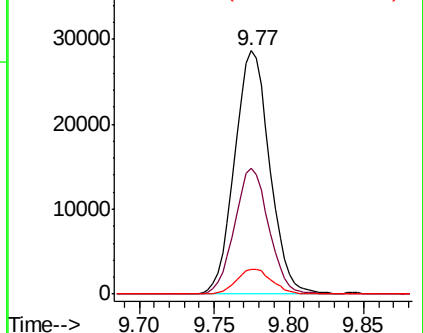
254 10.3 7.8 11.8

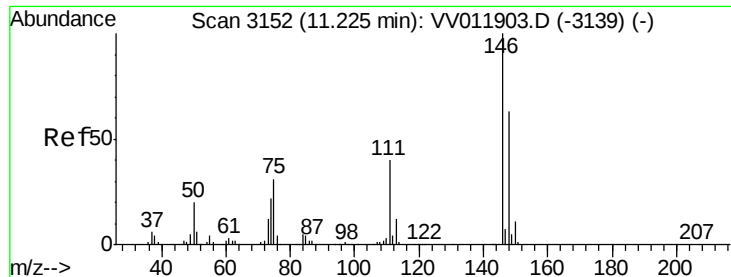


Abundance Ion 172.90 (172.60 to 173.60): VV011903.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011903.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011903.D (-2689) (-)

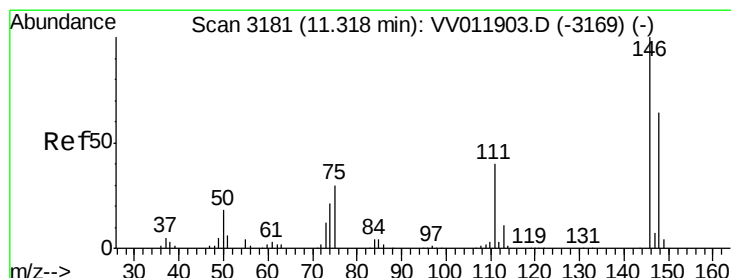
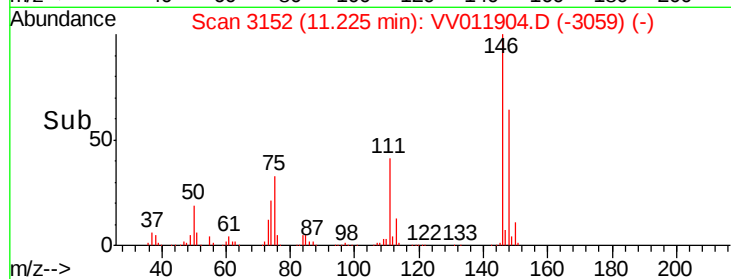
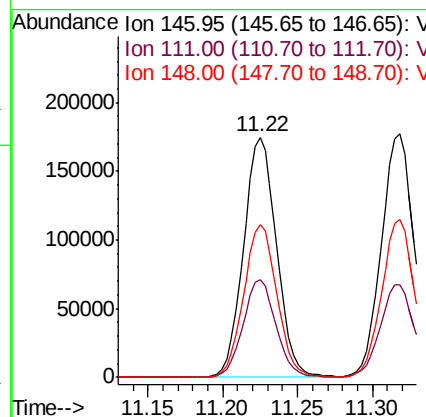
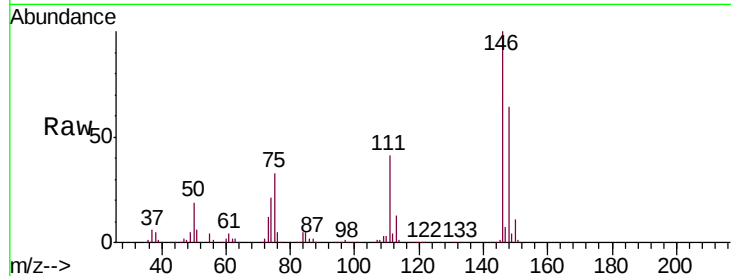




#62
 1,3-Dichlorobenzene
 Concen: 10.322 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

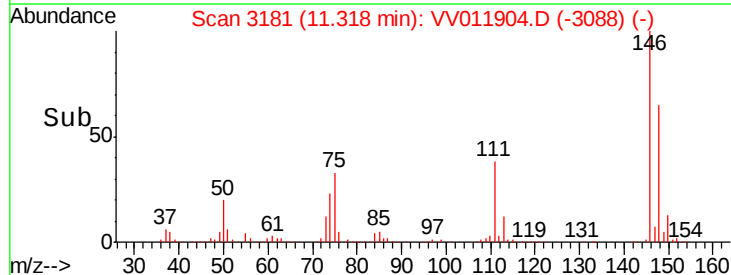
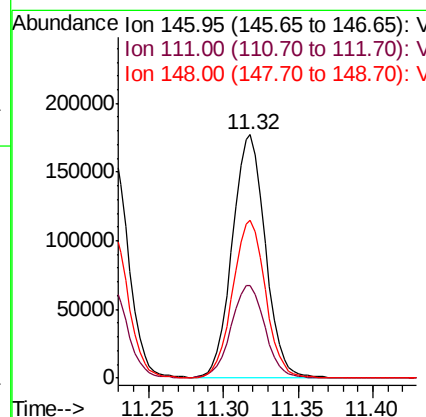
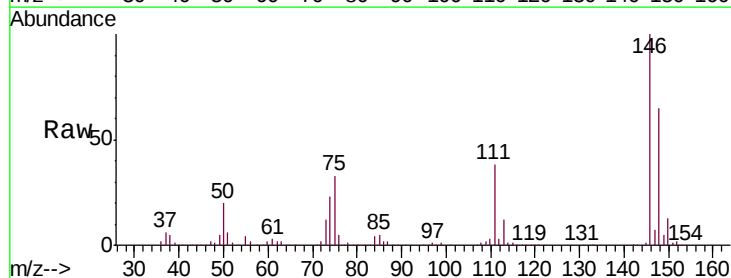
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

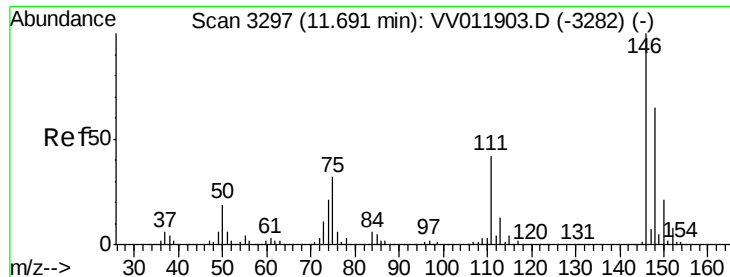
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.1	52.1
148	63.6	44.3	82.3



#63
 1,4-Dichlorobenzene
 Concen: 10.122 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	28.0	52.0
148	65.0	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 10.317 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

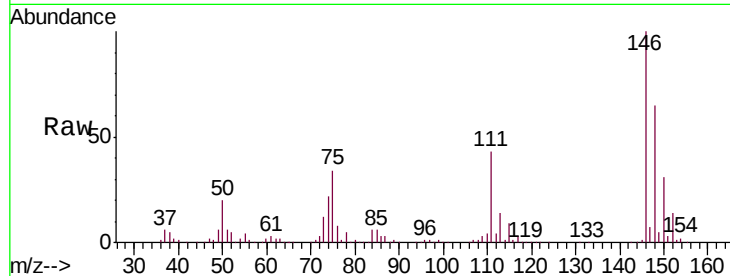
Tgt Ion:146 Resp: 253607

Ion Ratio Lower Upper

146 100

111 43.2 34.0 51.0

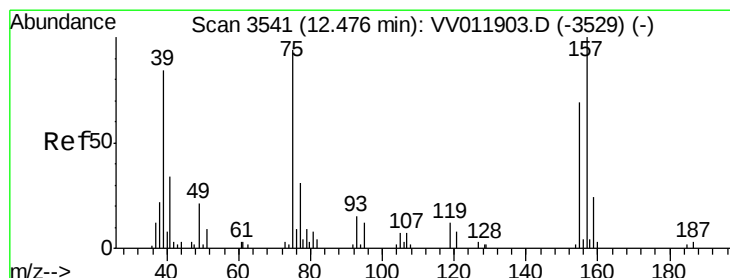
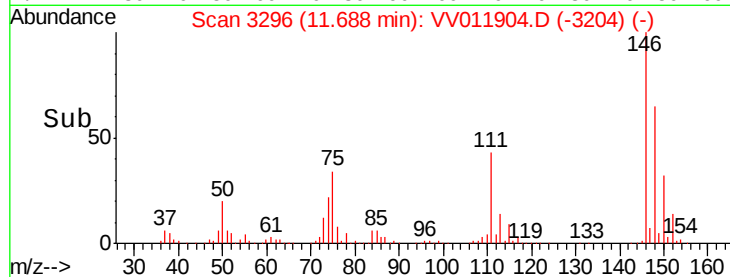
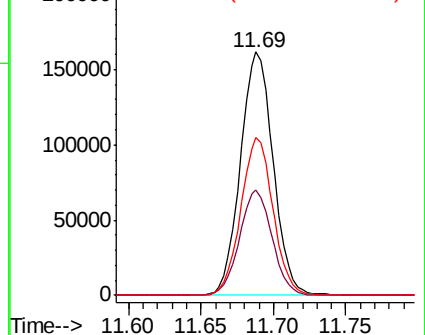
148 64.8 51.8 77.6



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: 9.779 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

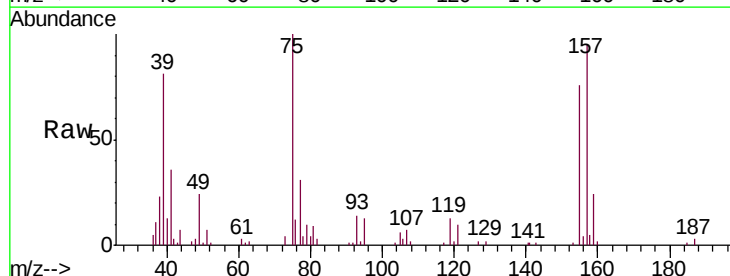
Tgt Ion: 75 Resp: 14656

Ion Ratio Lower Upper

75 100

155 75.9 59.4 89.0

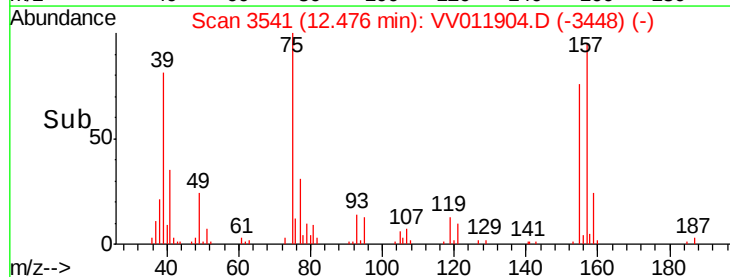
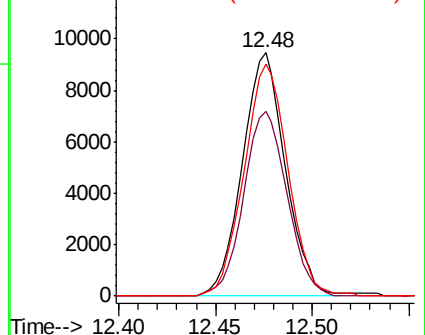
157 95.3 85.5 128.3

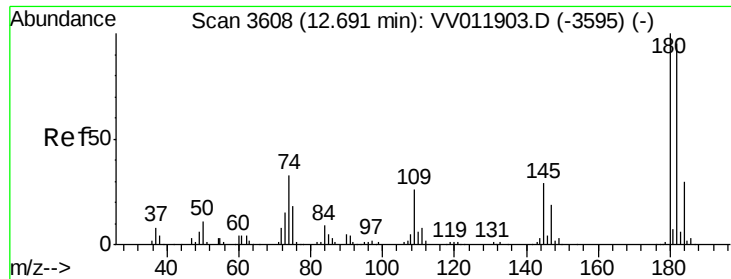


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

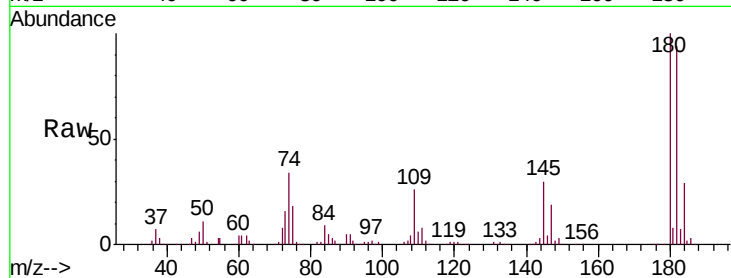




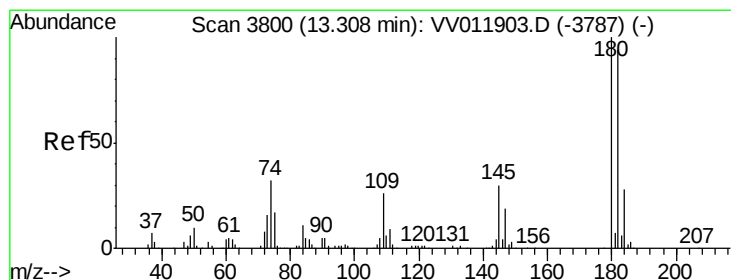
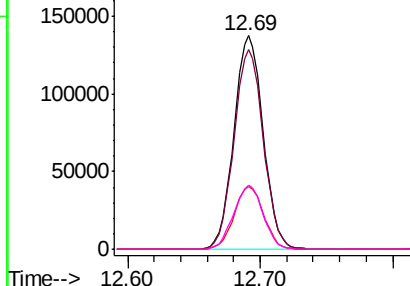
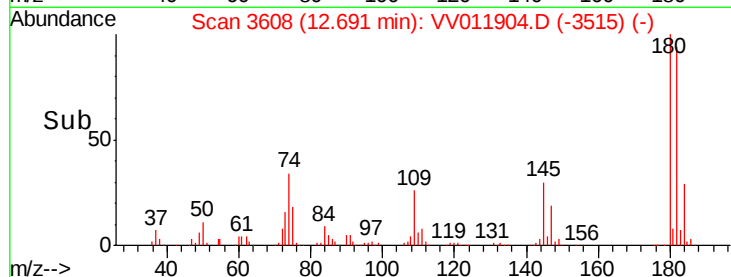
#67
 1,3,5-Trichlorobenzene
 Concen: 10.291 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 210001
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.5 113.3
 184 29.7 24.2 36.2
 145 30.2 23.5 35.3

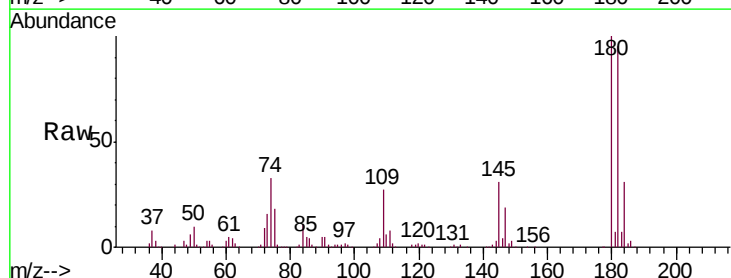


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

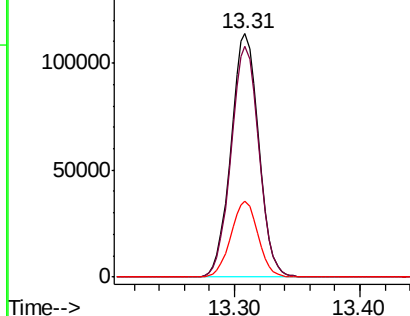
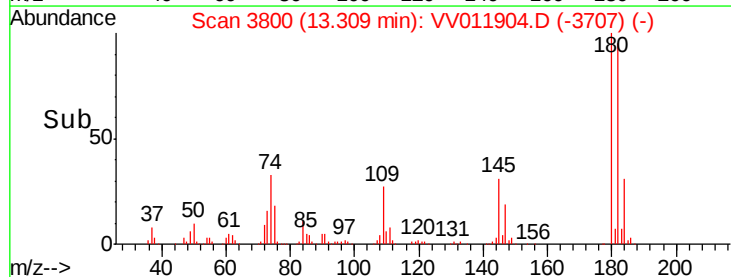


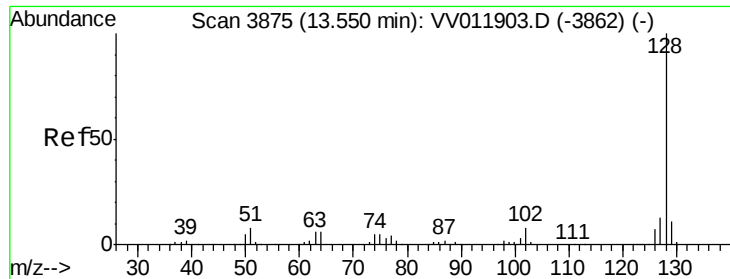
#68
 1,2,4-trichlorobenzene
 Concen: 10.745 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011904.D
 Acq: 17 Jul 2019 11:34

Tgt Ion:180 Resp: 174437
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.0 114.0
 145 30.6 24.2 36.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.005 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD01033

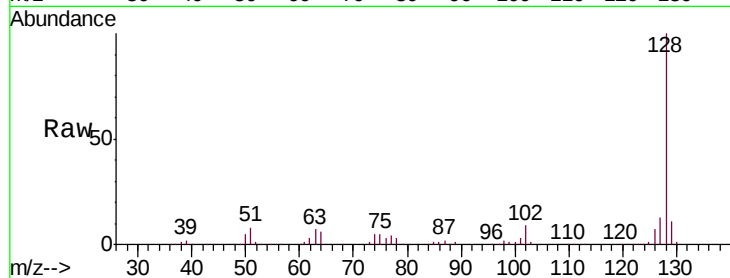
Tgt Ion:128 Resp: 288288

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

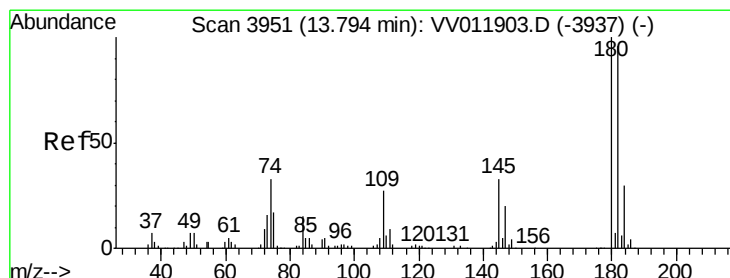
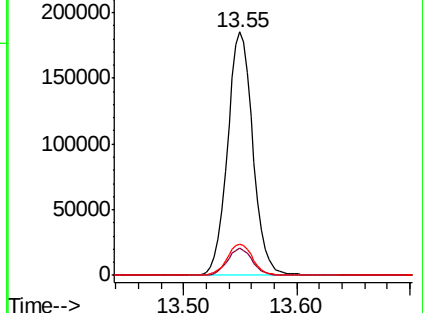
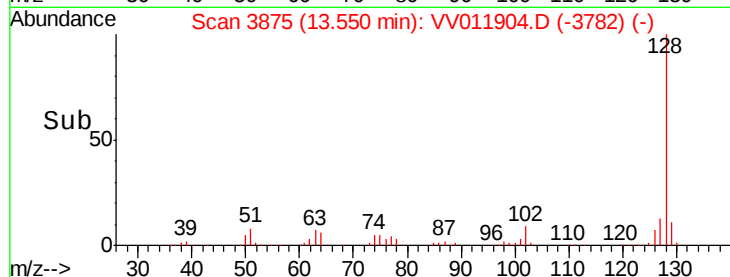
127 13.1 10.7 16.1



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: 10.871 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011904.D

Acq: 17 Jul 2019 11:34

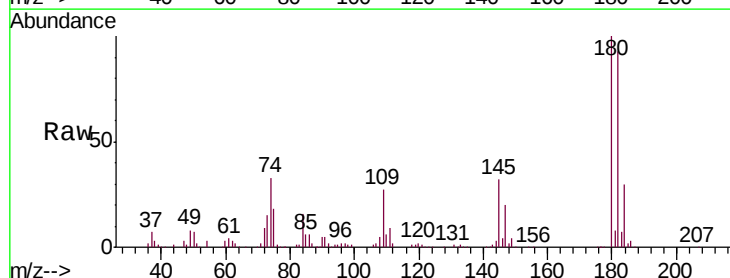
Tgt Ion:180 Resp: 159545

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.6

145 32.5 26.1 39.1



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

