

Data File : VV011903.D
Acq On : 17 Jul 2019 11:09
Operator : SY/MD
Sample : VSTD00532
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Quant Time: Jul 18 01:26:00 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	197871	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	189891	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	95746	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65116	4.41	ug/L	0.00
7) Chloroethane-d5	1.58	69	54639	4.64	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	110293	4.88	ug/L	0.00
20) 2-Butanone-d5	3.96	46	170097	52.37	ug/L	0.00
24) Chloroform-d	4.40	84	130934	4.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	67328	4.89	ug/L	0.00
32) Benzene-d6	5.10	84	253393	4.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	77069	4.75	ug/L	0.00
41) Toluene-d8	7.36	98	238516	4.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	29216	4.91	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	123494	52.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49836	4.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	83480	4.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	104928	5.330 ug/L	100
3) Chloromethane	1.25	50	100995	5.233 ug/L	100
5) Vinyl chloride	1.32	62	97774	5.209 ug/L	100
6) Bromomethane	1.54	94	54873	5.130 ug/L	100
8) Chloroethane	1.60	64	56699	5.072 ug/L	100
9) Trichlorofluoromethane	1.77	101	125515	5.196 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	61012	5.501 ug/L	100
12) 1,1-Dichloroethene	2.14	96	54920	5.420 ug/L	100
13) Acetone	2.22	43	92289	50.447 ug/L	100
14) Carbon disulfide	2.32	76	149917	5.532 ug/L	100
15) Methyl Acetate	2.47	43	20762	4.924 ug/L	100
16) Methylene chloride	2.53	84	52593	4.959 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	169328	5.430 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	76691	5.377 ug/L	100
19) 1,1-Dichloroethane	3.23	63	144099	5.322 ug/L	100
21) 2-Butanone	4.04	43	197052	55.411 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	78207	5.161 ug/L	100
23) Bromochloromethane	4.30	128	32878	5.152 ug/L	100
25) Chloroform	4.43	83	150108	5.060 ug/L	100
27) 1,2-Dichloroethane	5.18	62	93151	5.426 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	123825	5.131 ug/L	100
30) Cyclohexane	4.73	56	133584	5.329 ug/L	100
31) Carbon tetrachloride	4.87	117	107388	5.231 ug/L	100
33) Benzene	5.15	78	315839	5.289 ug/L	100
34) Trichloroethene	5.96	95	85774	5.058 ug/L	100
35) Methylcyclohexane	6.18	83	131870	5.343 ug/L	100
37) 1,2-Dichloropropane	6.22	63	79546	5.346 ug/L	100
38) Bromodichloromethane	6.56	83	92907	5.224 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	108408	5.410 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	488973	55.680 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	340434	5.473	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	85891	5.443	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	51635	5.208	ug/L	100
47) Tetrachloroethene	8.02	164	63979	5.158	ug/L	100
48) 2-Hexanone	8.19	43	352617	55.744	ug/L	100
49) Dibromochloromethane	8.29	129	57052	5.213	ug/L	100
50) 1,2-Dibromoethane	8.40	107	48073	5.240	ug/L	100
51) Chlorobenzene	8.93	112	208915	5.201	ug/L	100
52) Ethylbenzene	9.05	91	370786	5.393	ug/L	100
53) m,p-xylene	9.18	106	140744	5.543	ug/L	100
54) o-xylene	9.59	106	132501	5.484	ug/L	100
55) Styrene	9.60	104	228277	5.605	ug/L	100
56) Isopropylbenzene	9.97	105	359192	5.444	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	51919	5.339	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	44488	5.073	ug/L	100
61) Bromoform	9.77	173	27129	5.154	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	155647	5.060	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	159936	5.017	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	149003	5.118	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8311	4.682	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	123680	5.118	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	100518	5.228	ug/L	100
69) Naphthalene	13.55	128	154671	5.438	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	91887	5.287	ug/L	100

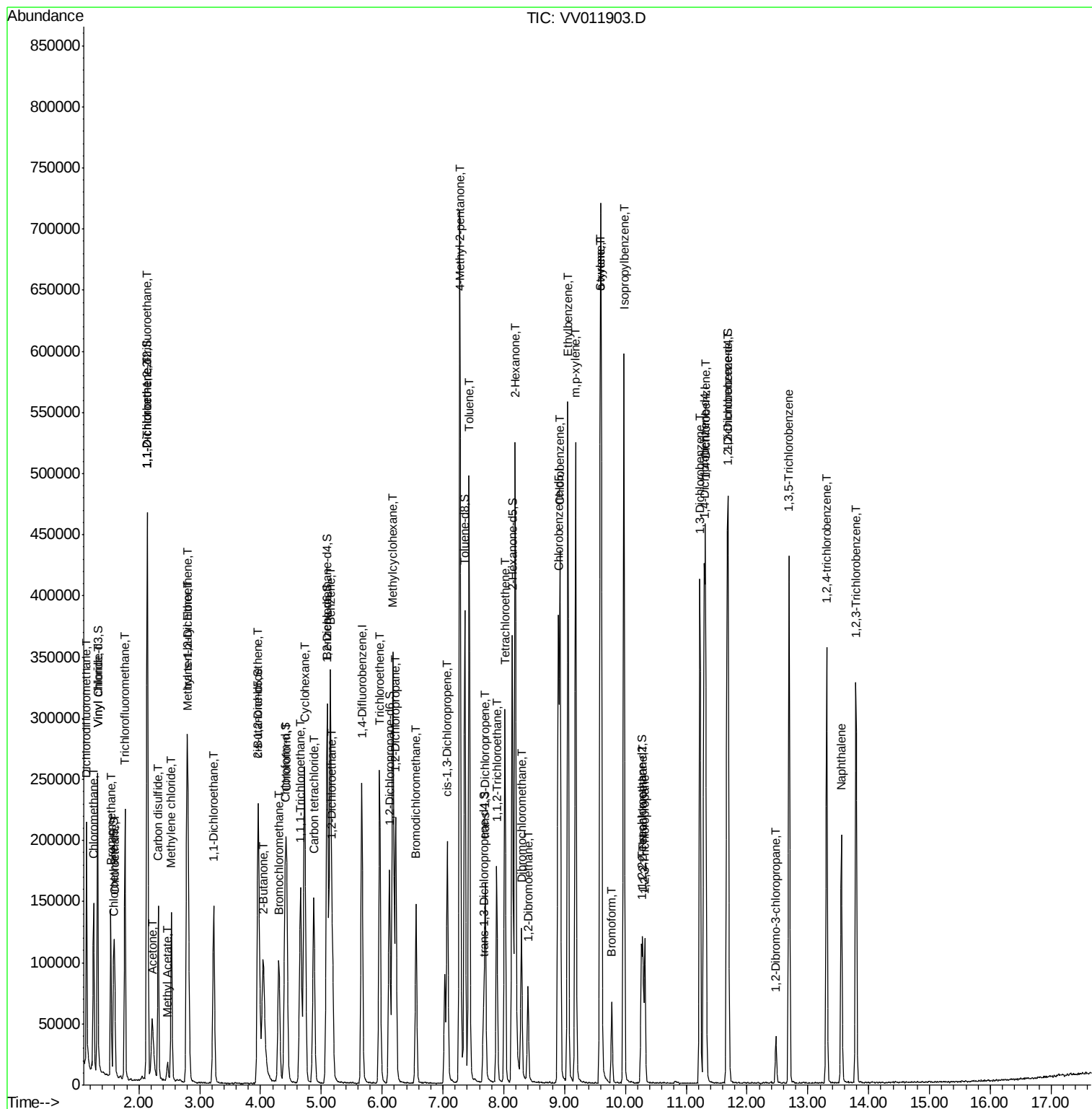
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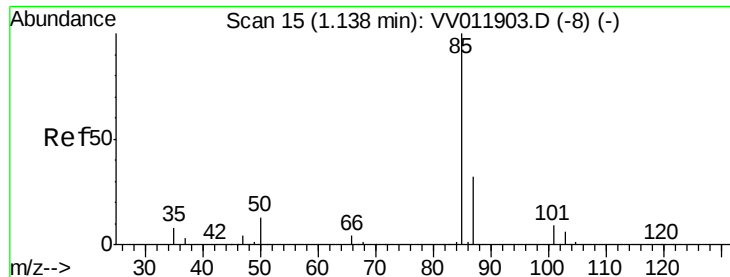
Data File : VV011903.D

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#2

Dichlorodifluoromethane

Concen: 5.330 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

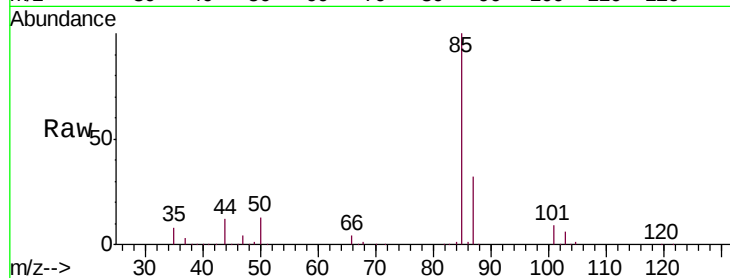
VSTD00532

Tgt Ion: 85 Resp: 104928

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

120000

100000

80000

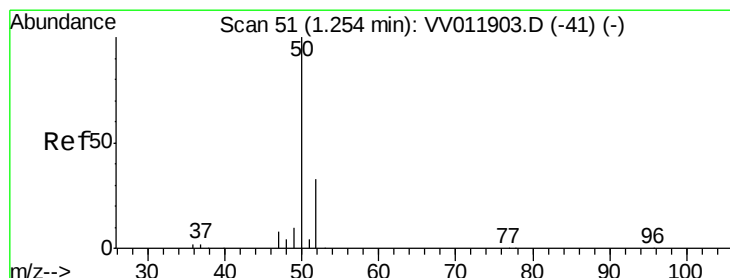
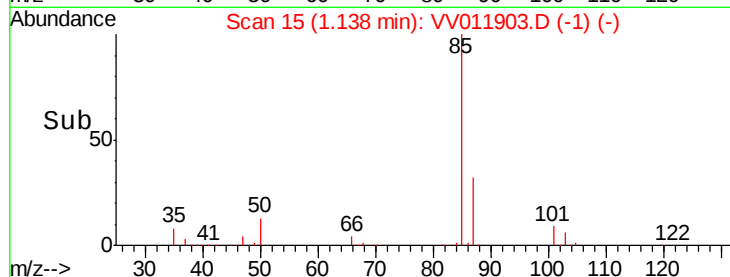
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 5.233 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011903.D

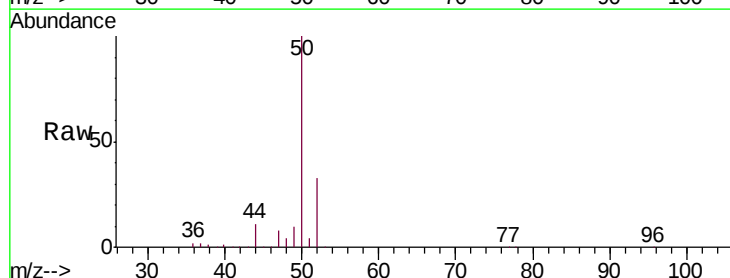
Acq: 17 Jul 2019 11:09

Tgt Ion: 50 Resp: 100995

Ion Ratio Lower Upper

50 100

52 33.0 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

100000

80000

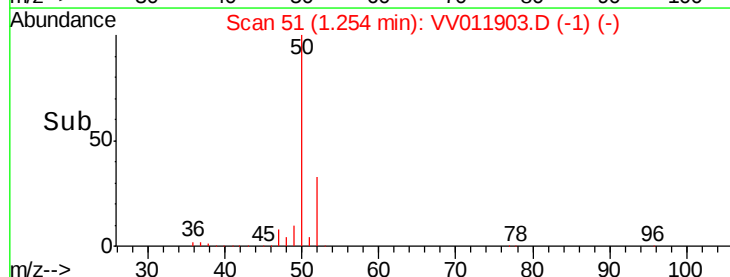
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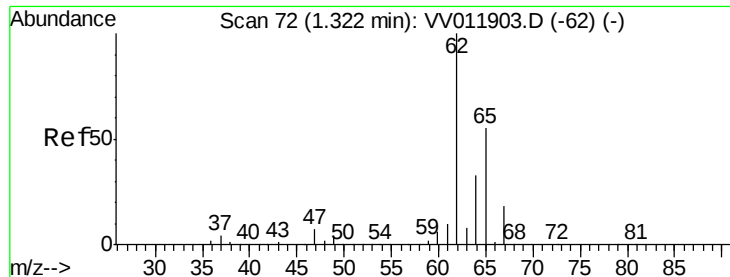
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.209 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

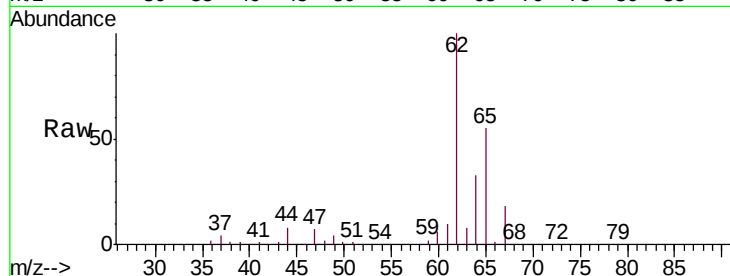
VSTD00532

Tgt Ion: 62 Resp: 97774

Ion Ratio Lower Upper

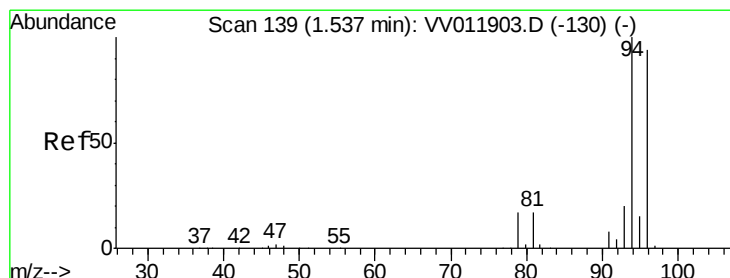
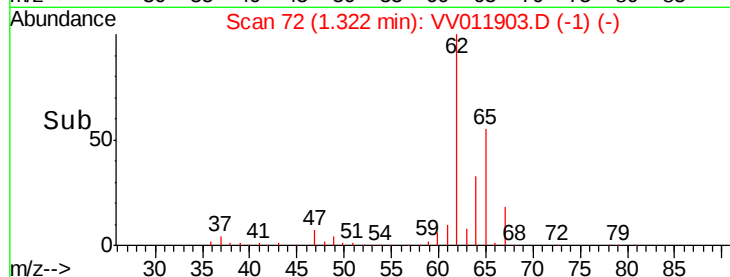
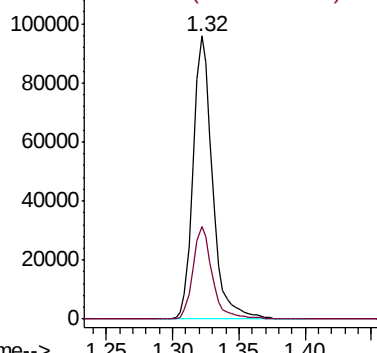
62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.130 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011903.D

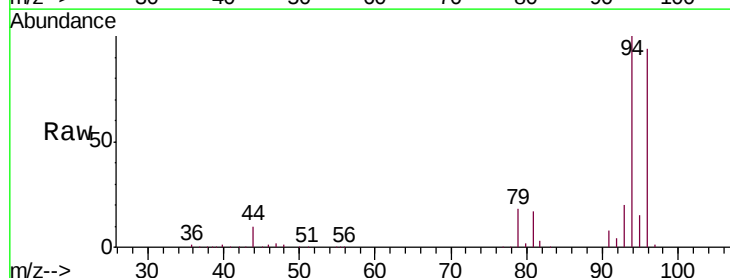
Acq: 17 Jul 2019 11:09

Tgt Ion: 94 Resp: 54873

Ion Ratio Lower Upper

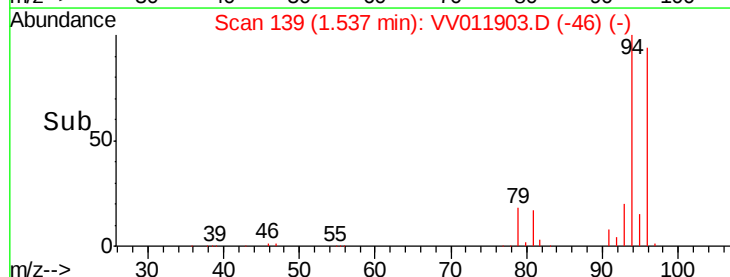
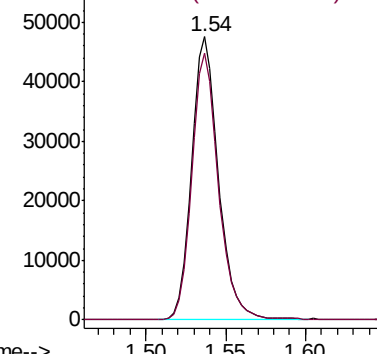
94 100

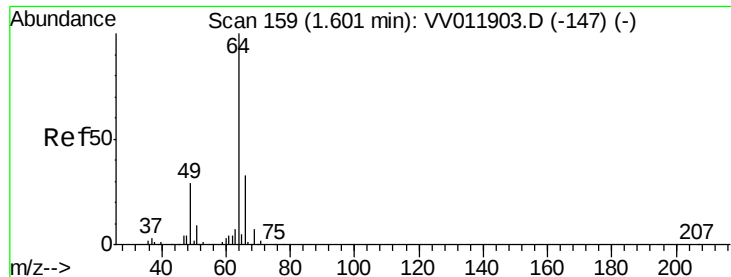
96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.072 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

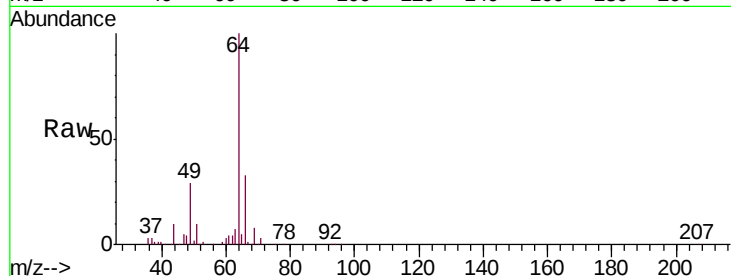
VSTD00532

Tgt Ion: 64 Resp: 56699

Ion Ratio Lower Upper

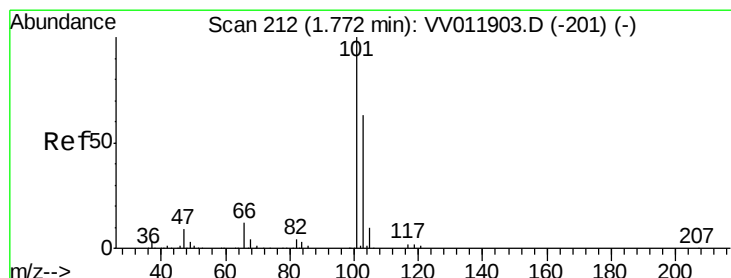
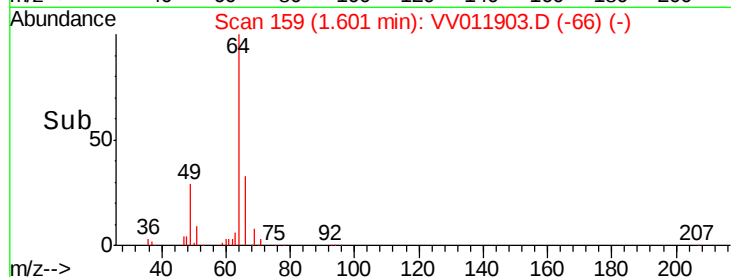
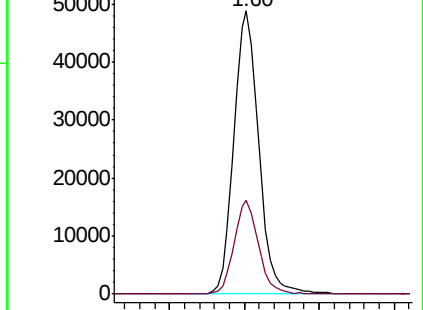
64 100

66 33.2 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VV011903.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV011903.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.196 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV011903.D

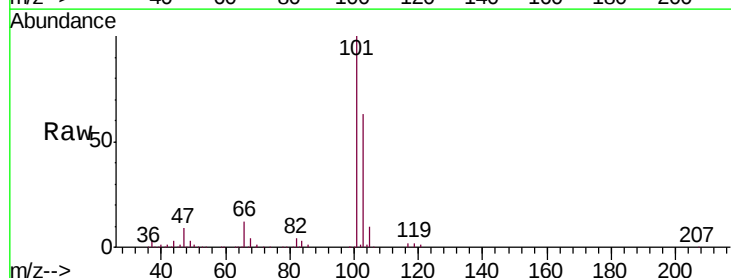
Acq: 17 Jul 2019 11:09

Tgt Ion: 101 Resp: 125515

Ion Ratio Lower Upper

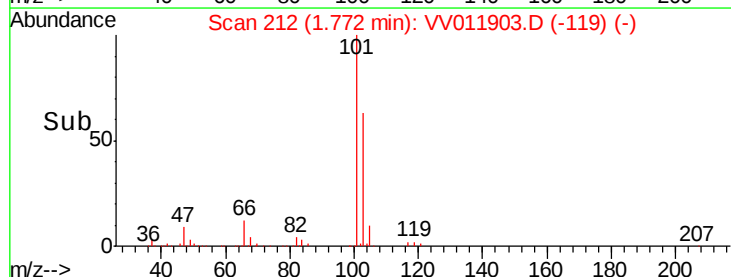
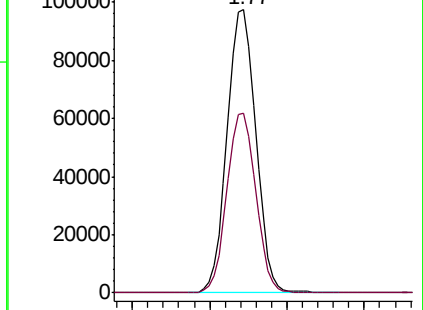
101 100

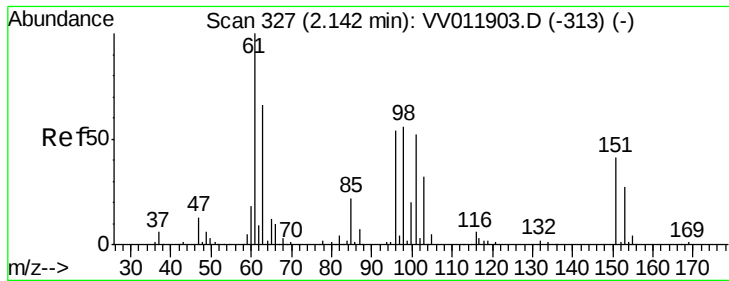
103 63.7 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VV011903.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV011903.D (-201) (-)





#10

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

Concen: 5.501 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

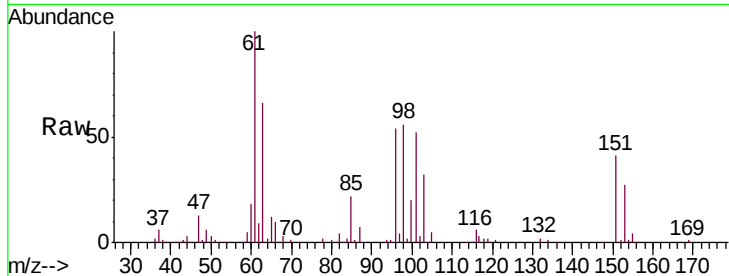
Tgt Ion: 101 Resp: 61012

Ion Ratio Lower Upper

101 100

85 43.4 34.7 52.1

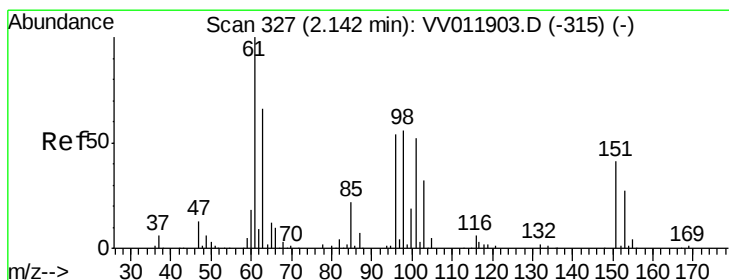
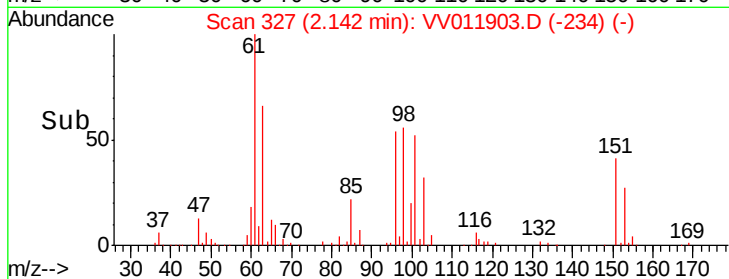
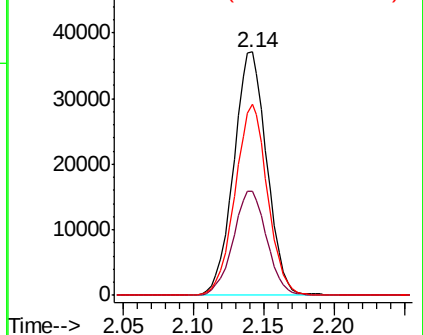
151 76.9 61.5 92.3



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: 5.420 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

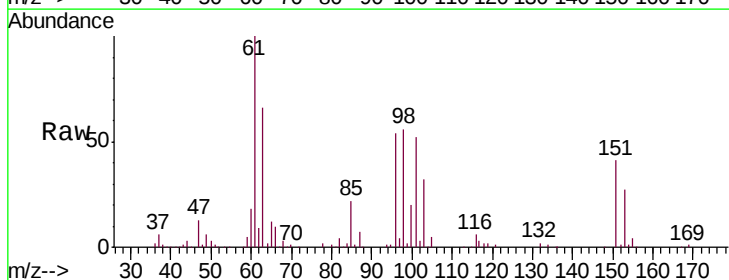
Tgt Ion: 96 Resp: 54920

Ion Ratio Lower Upper

96 100

61 184.1 128.9 239.3

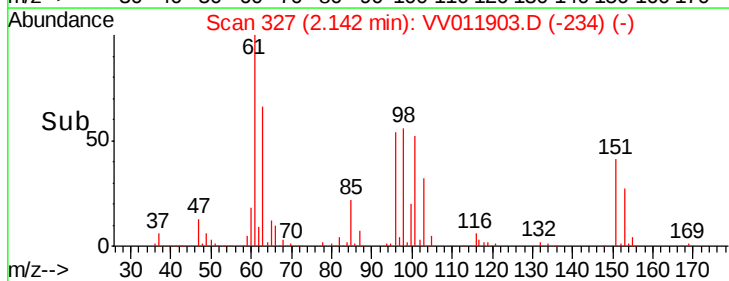
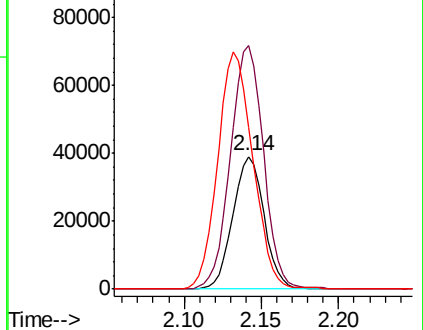
63 122.2 85.5 158.9

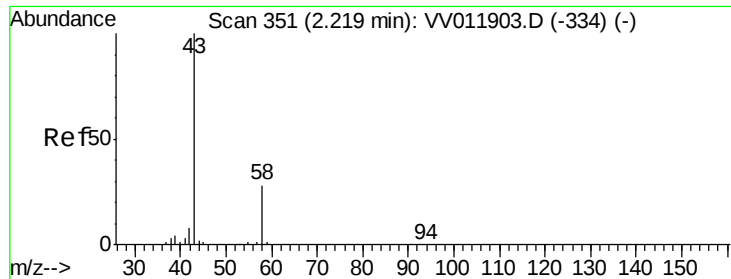


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.447 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

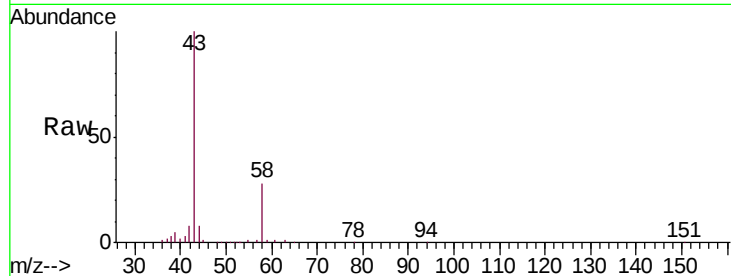
VSTD00532

Tgt Ion: 43 Resp: 92289

Ion Ratio Lower Upper

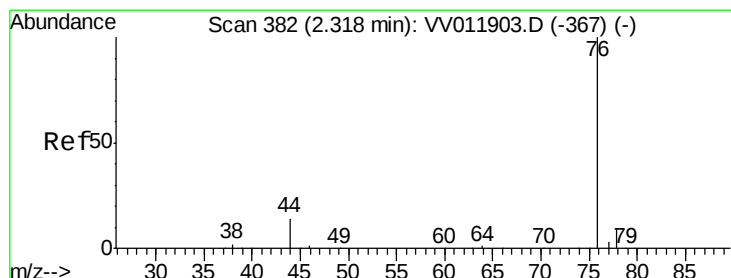
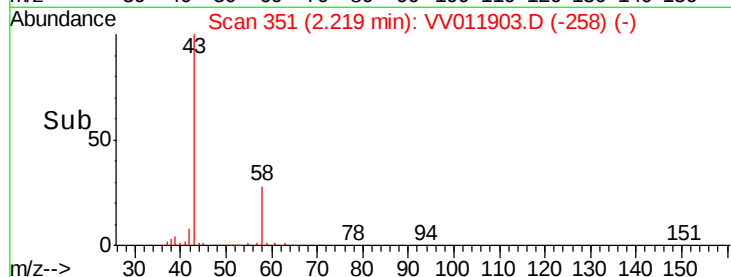
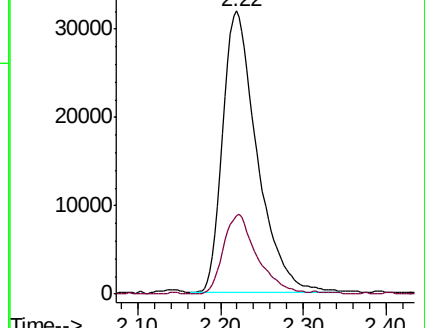
43 100

58 27.8 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011903.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011903.D (-334) (-)



#14

Carbon disulfide

Concen: 5.532 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011903.D

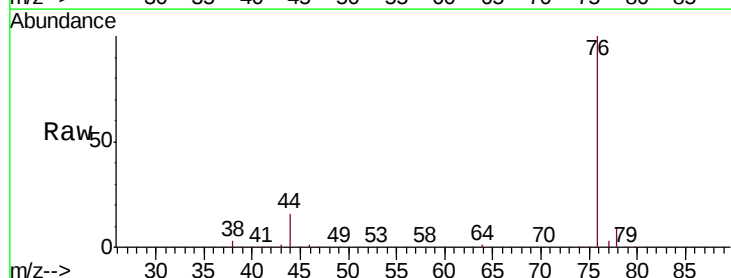
Acq: 17 Jul 2019 11:09

Tgt Ion: 76 Resp: 149917

Ion Ratio Lower Upper

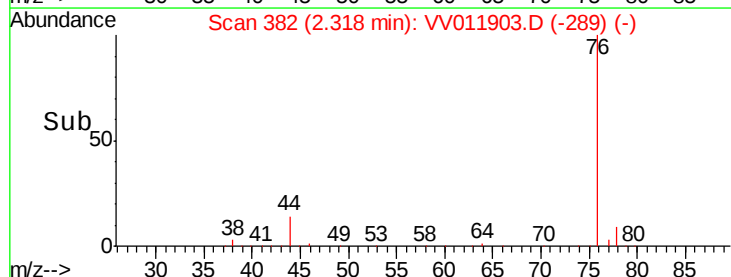
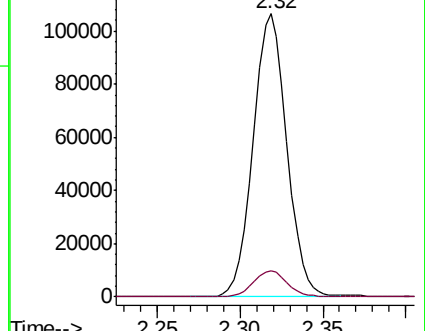
76 100

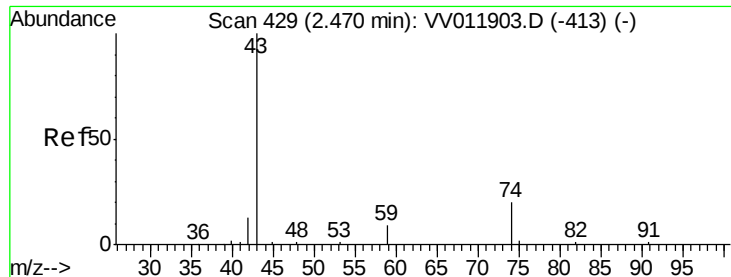
78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV011903.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011903.D (-367) (-)





#15

Methyl Acetate

Concen: 4.924 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

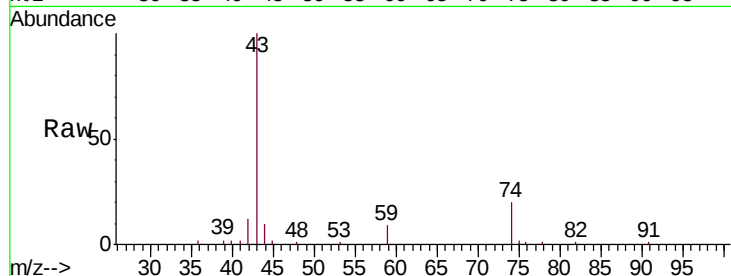
VSTD00532

Tgt Ion: 43 Resp: 20762

Ion Ratio Lower Upper

43 100

74 22.9 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.47

12000

10000

8000

6000

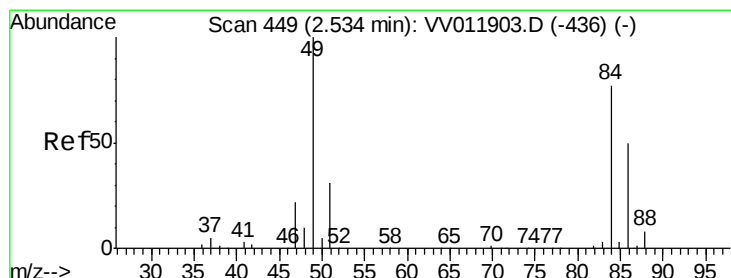
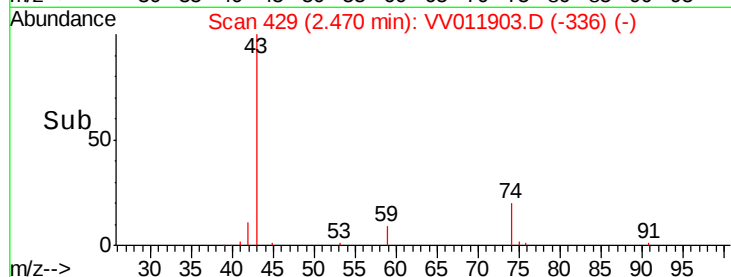
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.959 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

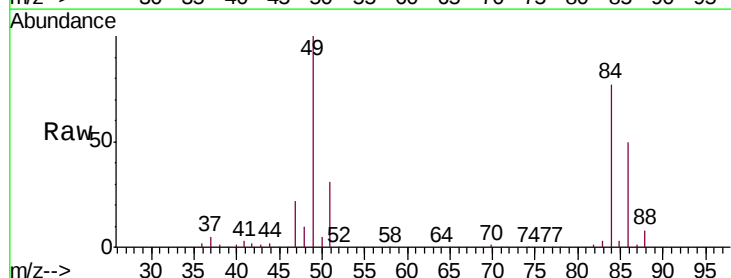
Tgt Ion: 84 Resp: 52593

Ion Ratio Lower Upper

84 100

86 64.0 44.8 83.2

49 129.2 90.4 168.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

50000

40000

30000

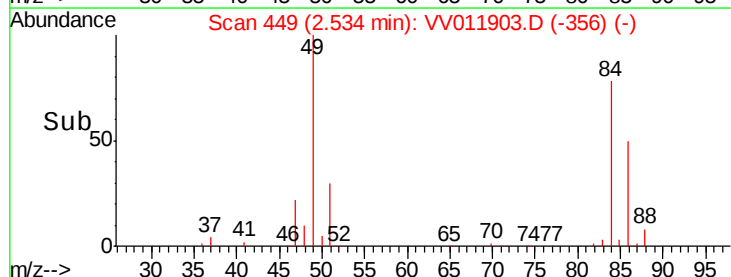
20000

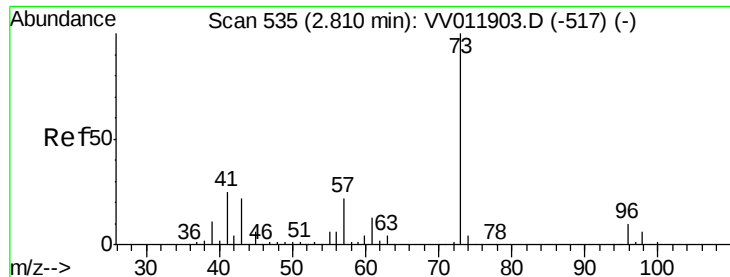
10000

0

Time-->

2.45 2.50 2.55 2.60

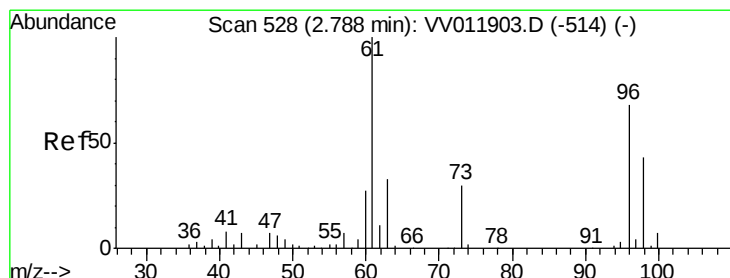
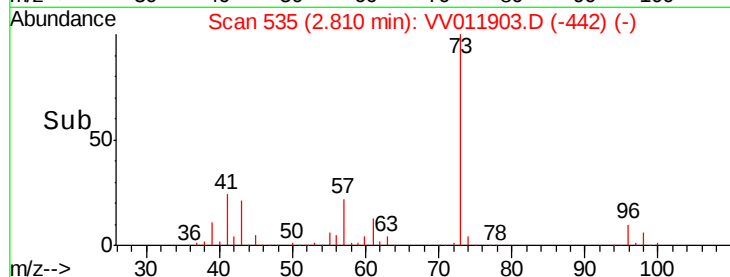
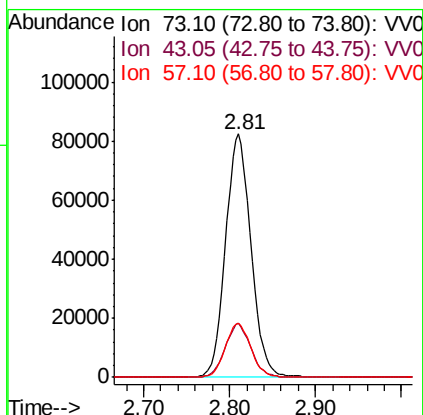
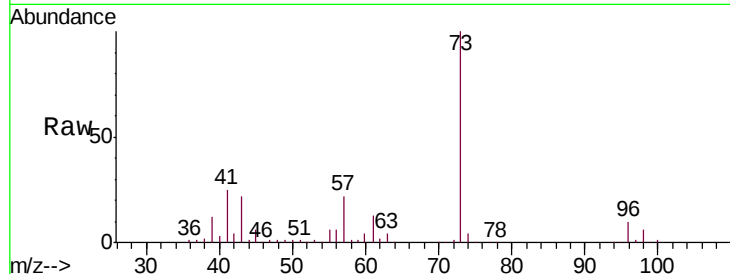




#17
Methyl tert-butyl Ether
Concen: 5.430 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

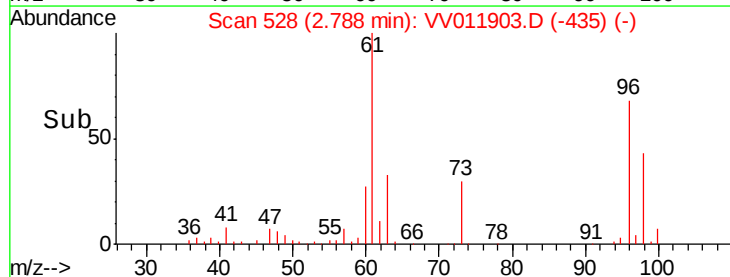
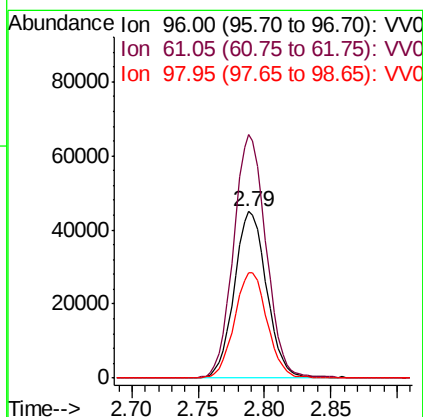
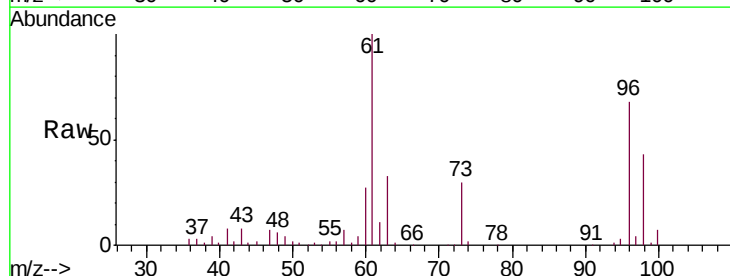
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

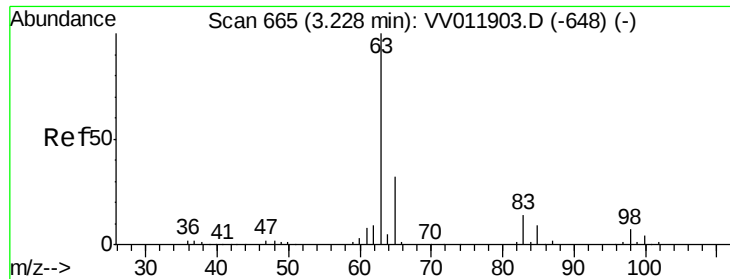
Tgt Ion: 73 Resp: 169328
Ion Ratio Lower Upper
73 100
43 22.0 17.6 26.4
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.377 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Tgt Ion: 96 Resp: 76691
Ion Ratio Lower Upper
96 100
61 146.0 102.2 189.8
98 63.5 44.4 82.5

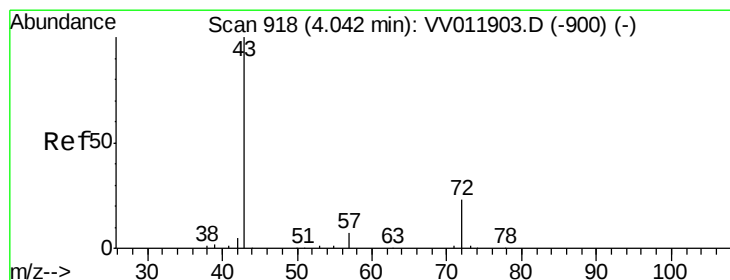
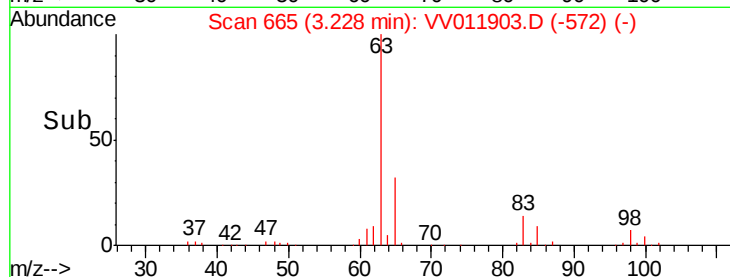
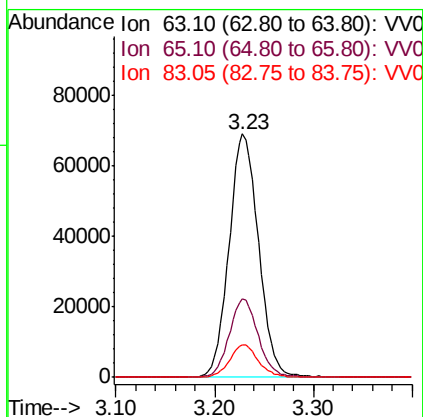
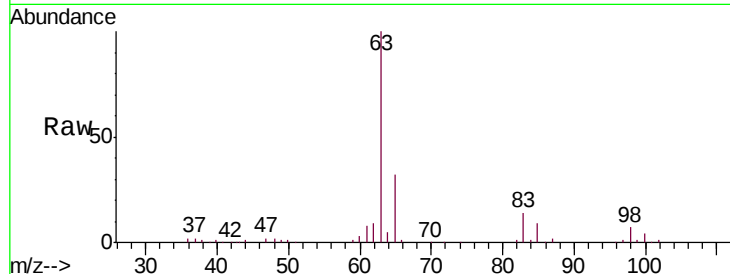




#19
 1,1-Dichloroethane
 Concen: 5.322 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

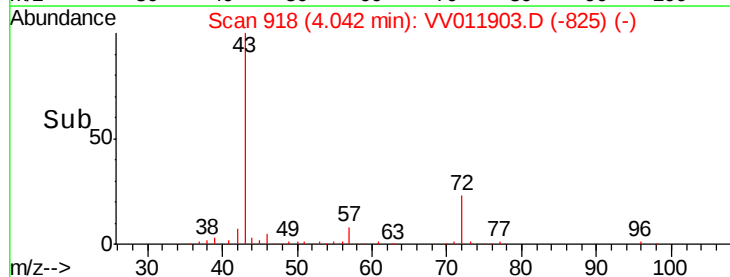
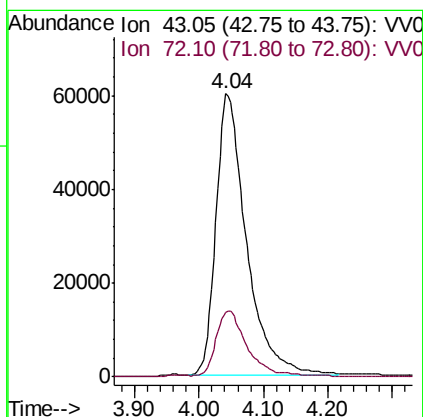
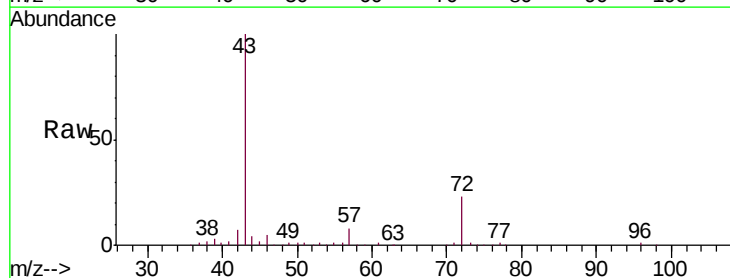
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

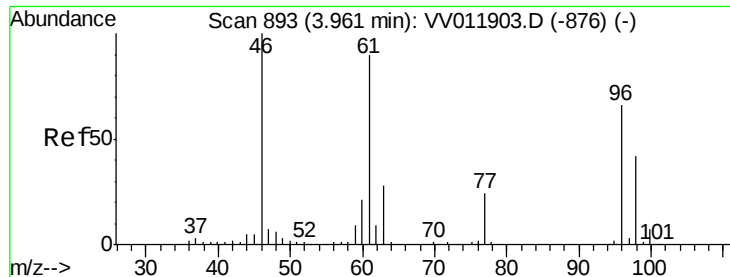
Tgt Ion: 63 Resp: 144099
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.7 42.3
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 55.411 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion: 43 Resp: 197052
 Ion Ratio Lower Upper
 43 100
 72 22.4 11.2 33.6



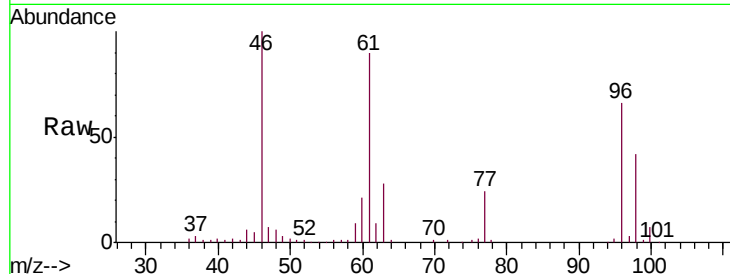


#22

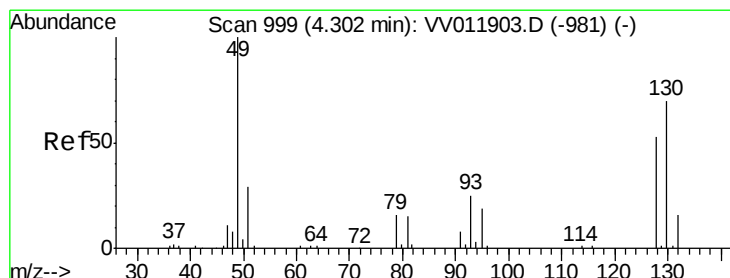
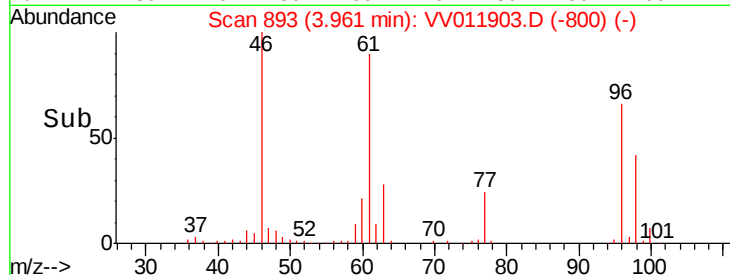
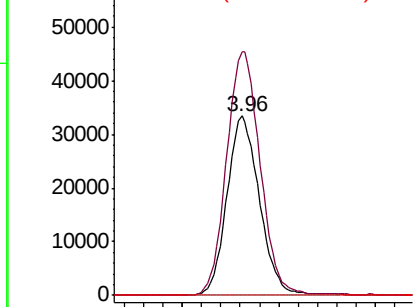
cis-1,2-Dichloroethene
 Concen: 5.161 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tgt Ion: 96 Resp: 78207
 Ion Ratio Lower Upper
 96 100
 61 136.0 95.2 176.8
 68 0.0 0.0 0.0



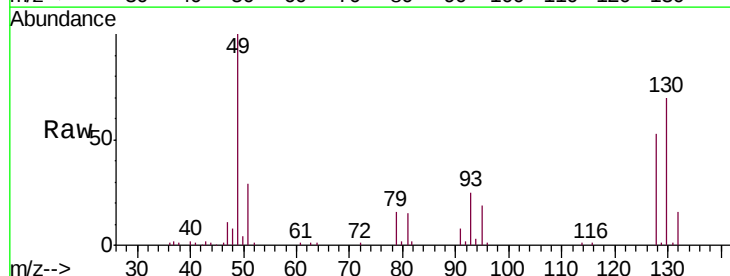
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



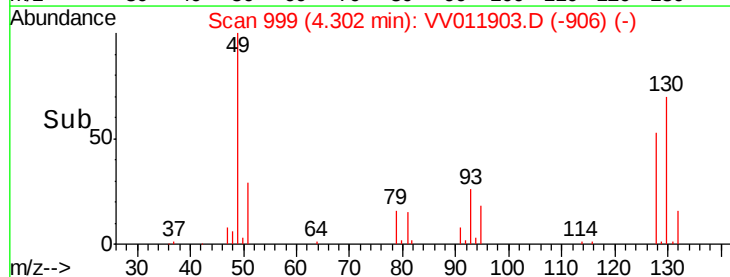
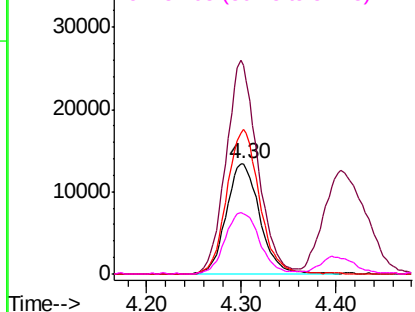
#23

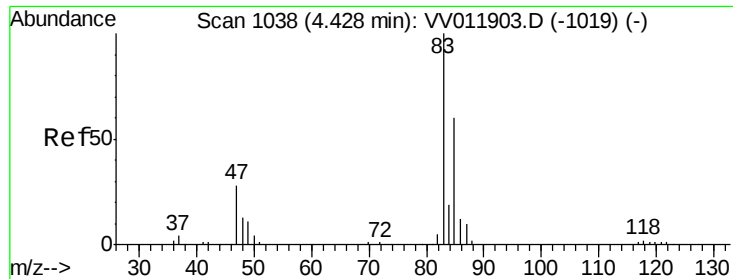
Bromochloromethane
 Concen: 5.152 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion: 128 Resp: 32878
 Ion Ratio Lower Upper
 128 100
 49 189.3 132.5 246.1
 130 131.6 92.1 171.1
 51 55.2 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

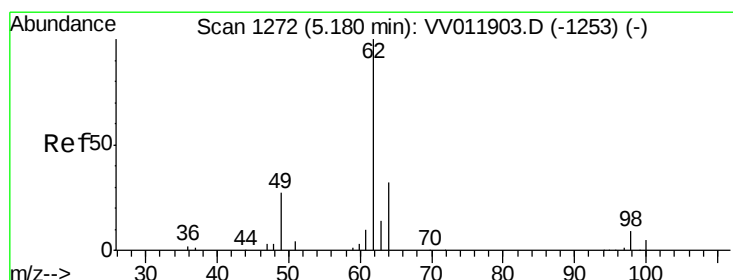
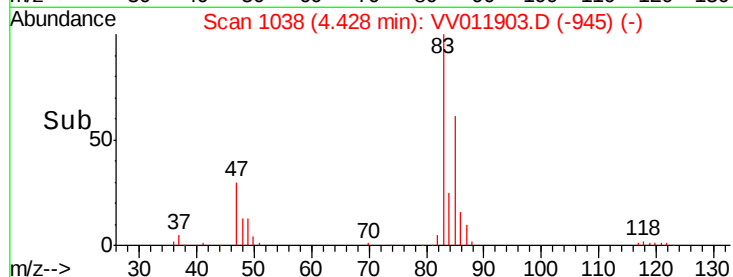
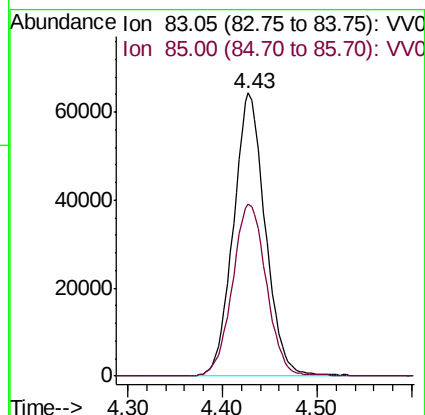
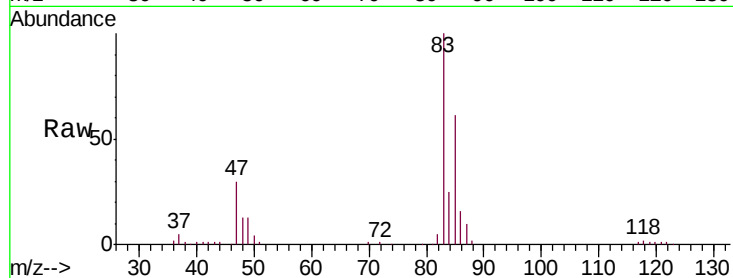




#25
Chloroform
Concen: 5.060 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

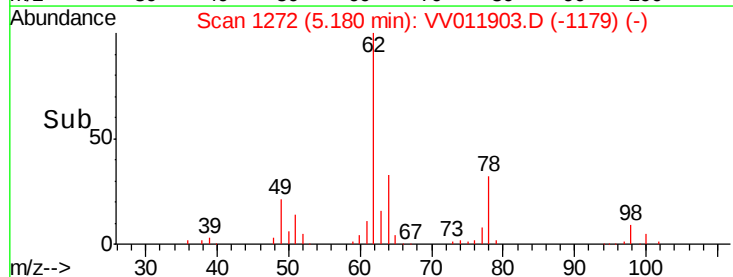
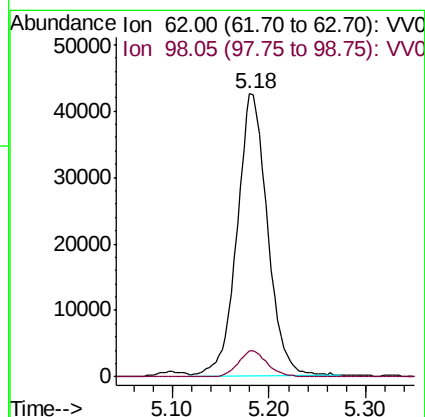
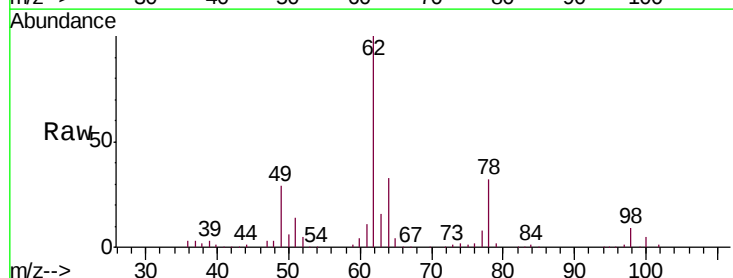
Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

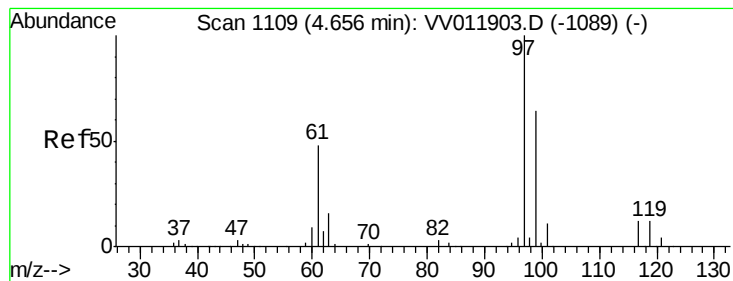
Tgt Ion: 83 Resp: 150108
Ion Ratio Lower Upper
83 100
85 60.7 42.5 78.9



#27
1,2-Dichloroethane
Concen: 5.426 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Tgt Ion: 62 Resp: 93151
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 5.131 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

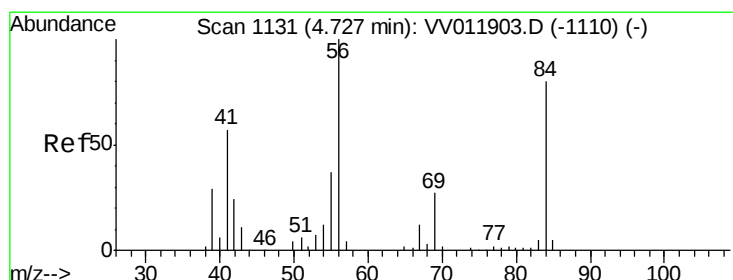
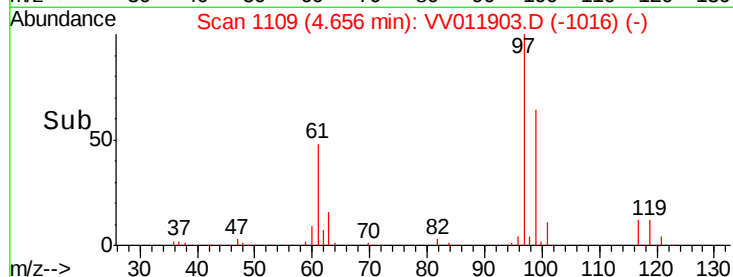
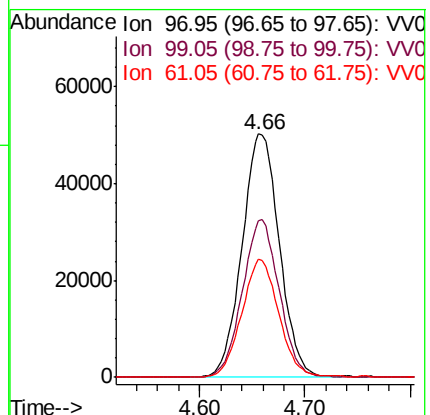
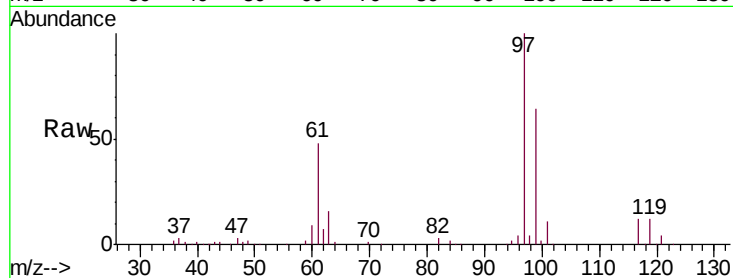
Tgt Ion: 97 Resp: 123825

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 48.2 38.6 57.8



#30

Cyclohexane

Concen: 5.329 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

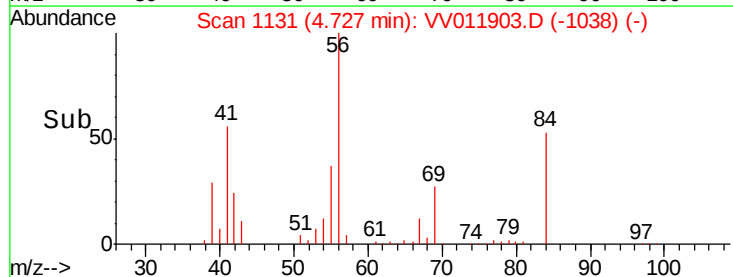
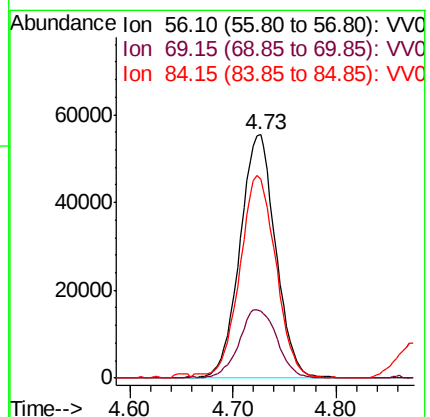
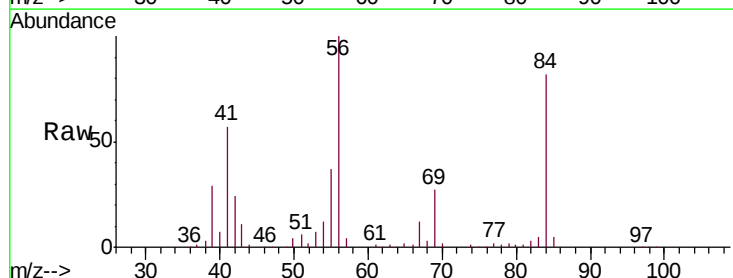
Tgt Ion: 56 Resp: 133584

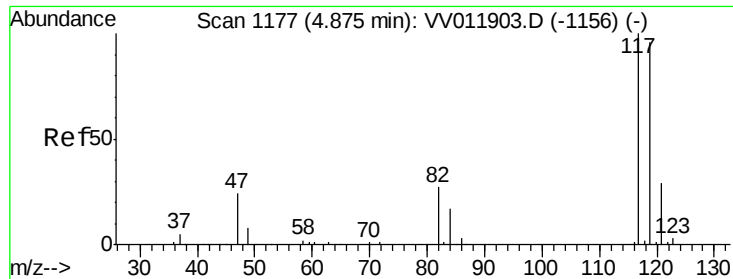
Ion Ratio Lower Upper

56 100

69 29.8 23.8 35.8

84 82.9 66.3 99.5





#31

Carbon tetrachloride

Concen: 5.231 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

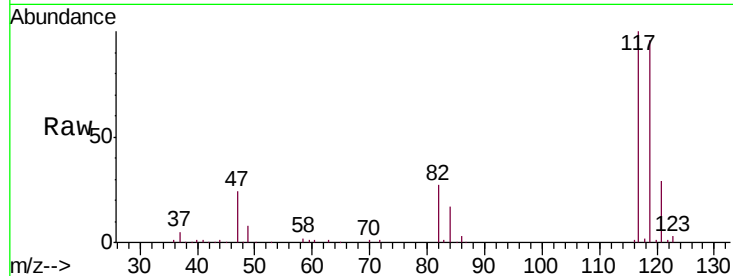
VSTD00532

Tgt Ion:117 Resp: 107388

Ion Ratio Lower Upper

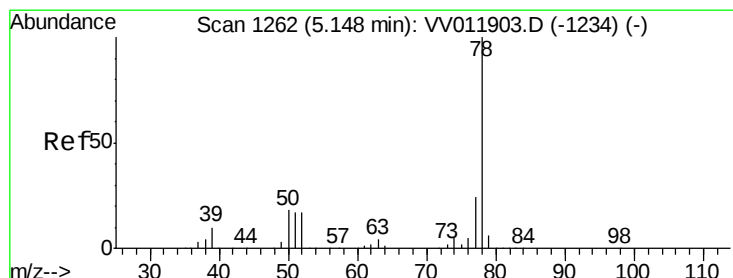
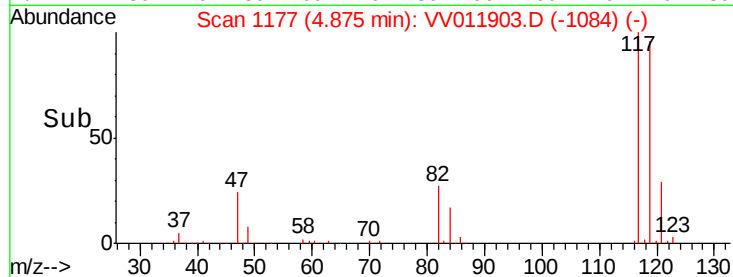
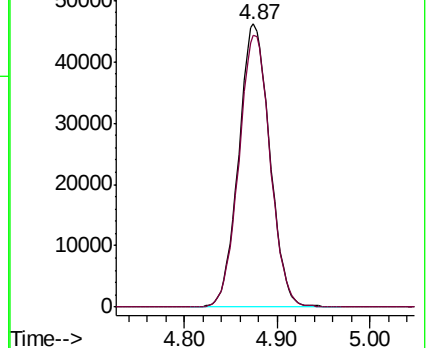
117 100

119 96.8 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: 5.289 ug/L

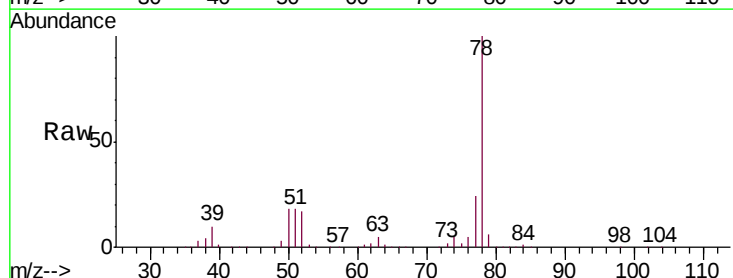
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

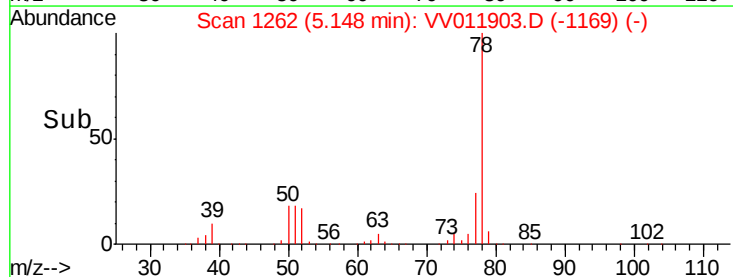
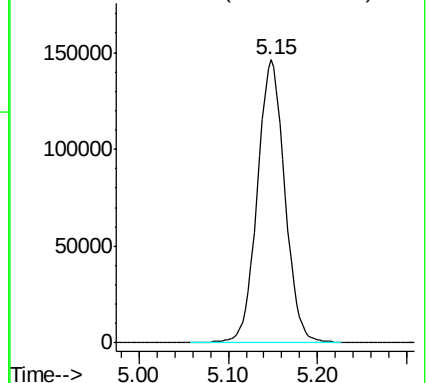
Lab File: VV011903.D

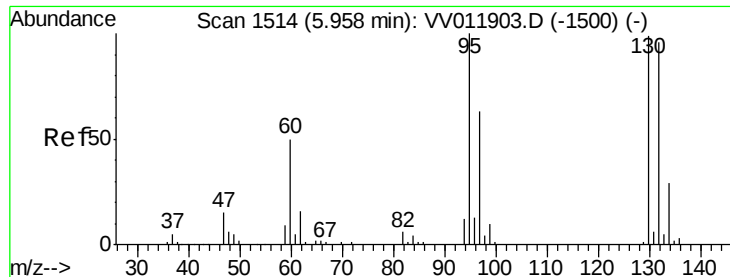
Acq: 17 Jul 2019 11:09

Tgt Ion: 78 Resp: 315839



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.058 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 85774

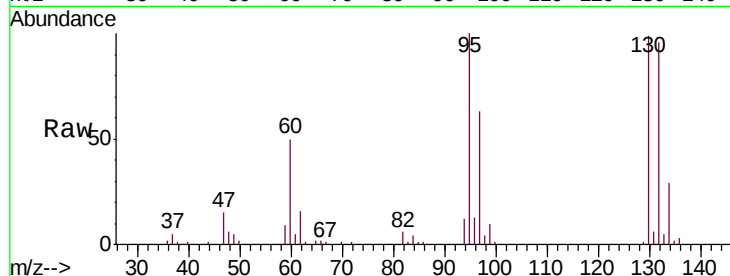
Ion Ratio Lower Upper

95 100

97 62.8 44.0 81.6

132 95.7 67.0 124.4

130 98.7 69.1 128.3

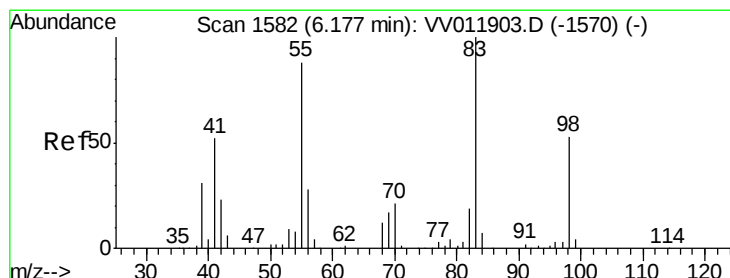
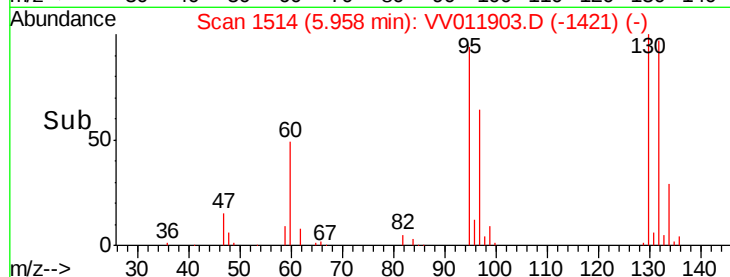
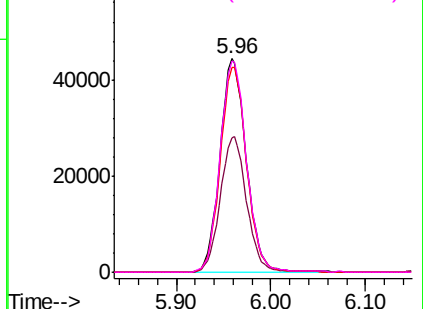


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.343 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

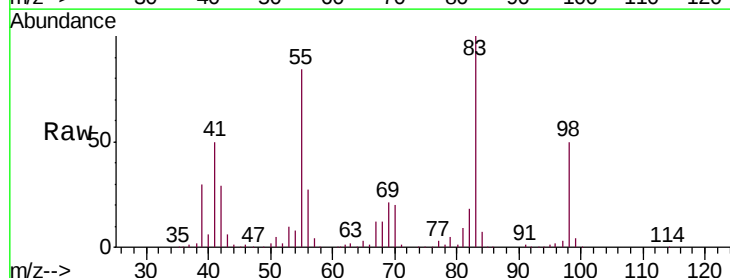
Tgt Ion: 83 Resp: 131870

Ion Ratio Lower Upper

83 100

55 83.4 66.7 100.1

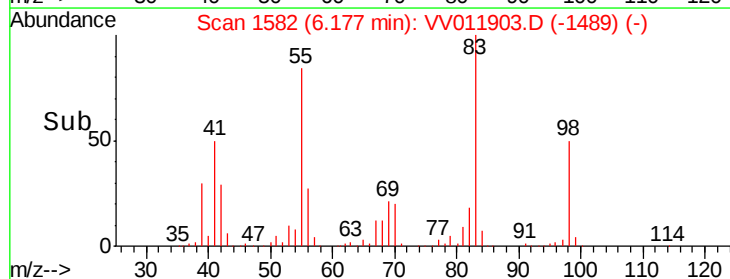
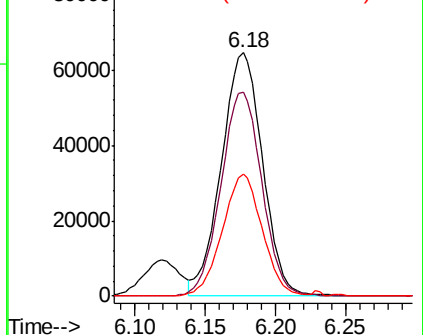
98 48.7 39.0 58.4

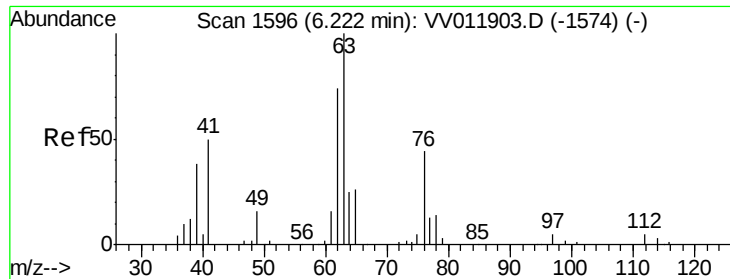


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

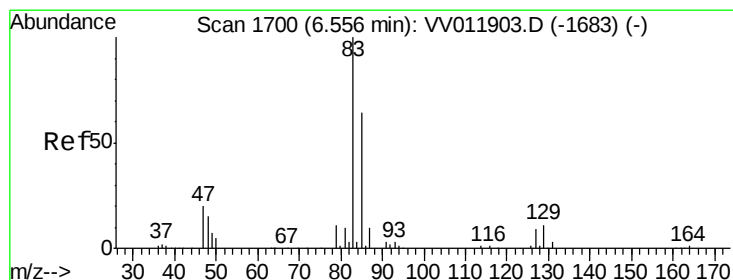
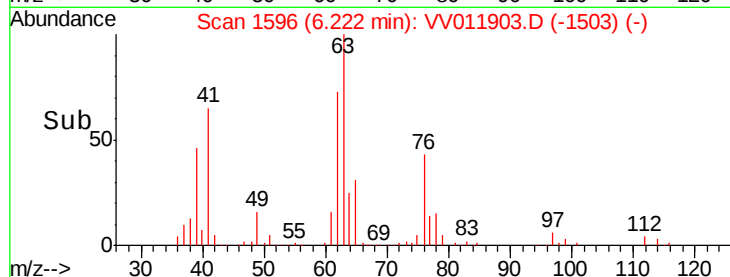
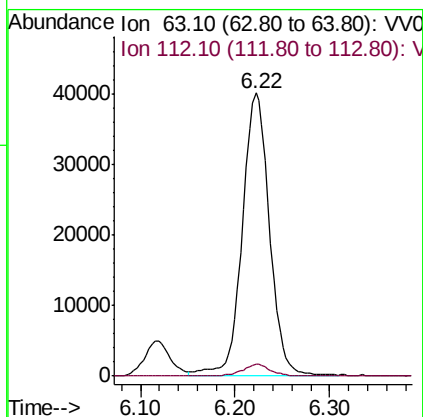
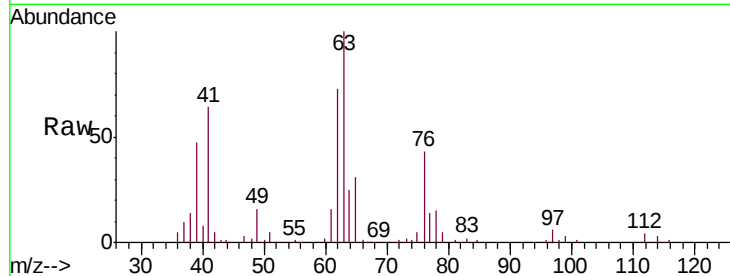




#37
 1,2-Dichloropropane
 Concen: 5.346 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

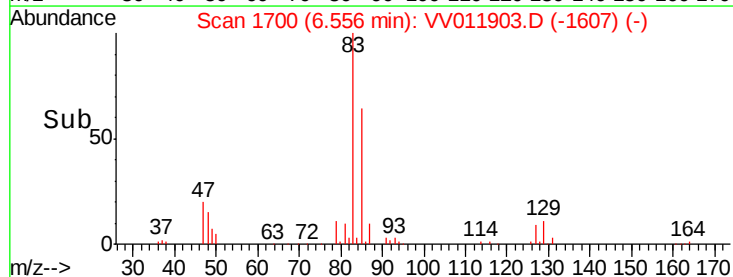
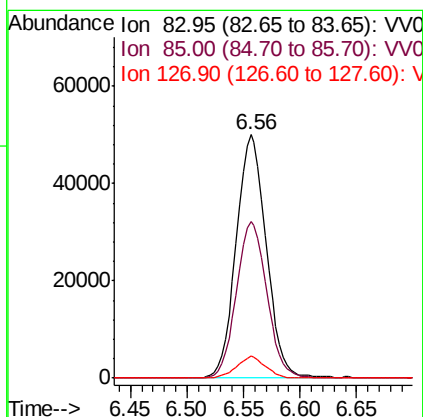
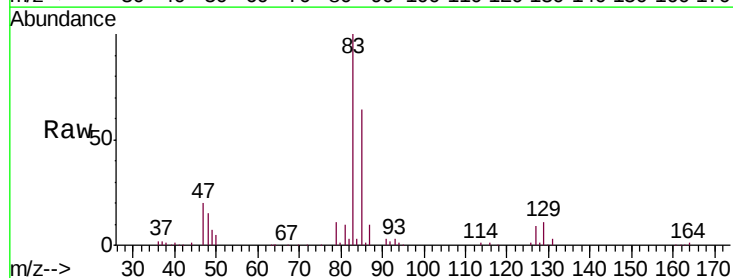
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

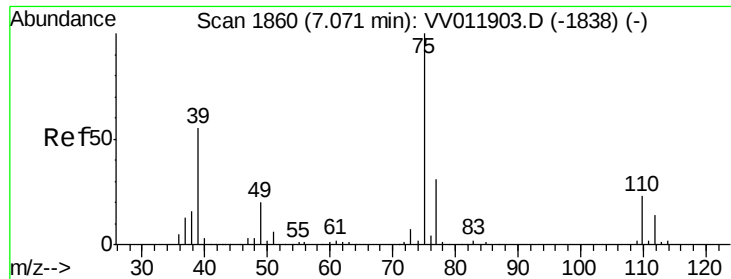
Tgt Ion: 63 Resp: 79546
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.224 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion: 83 Resp: 92907
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.9 7.1 10.7

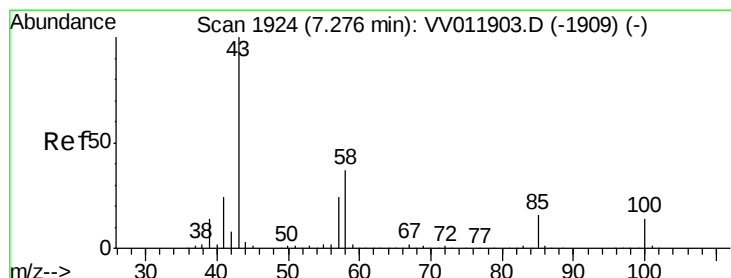
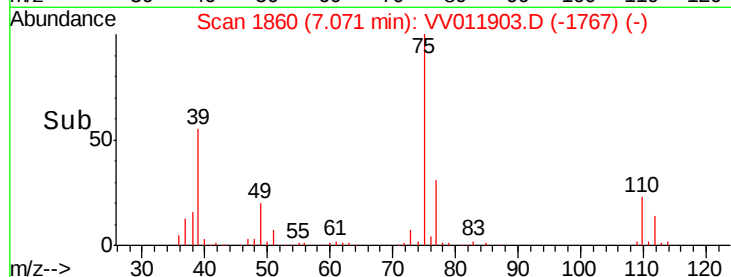
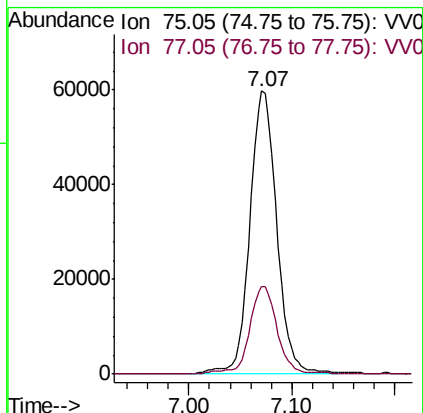
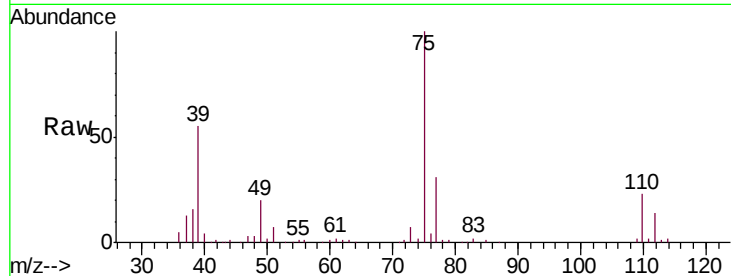




#39
 cis-1,3-Dichloropropene
 Concen: 5.410 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

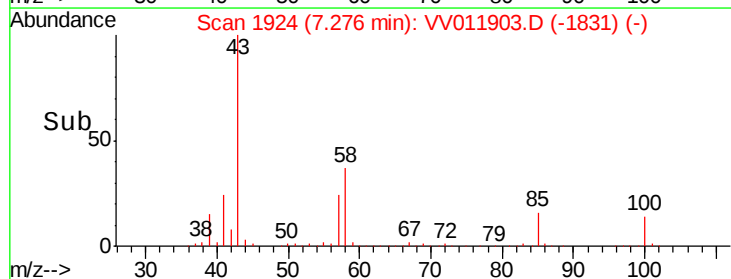
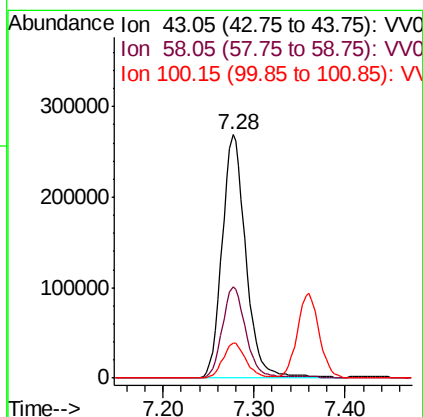
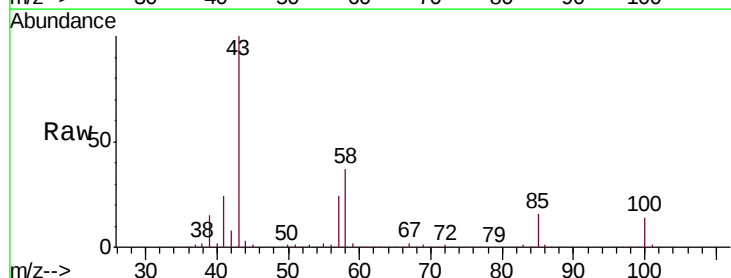
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

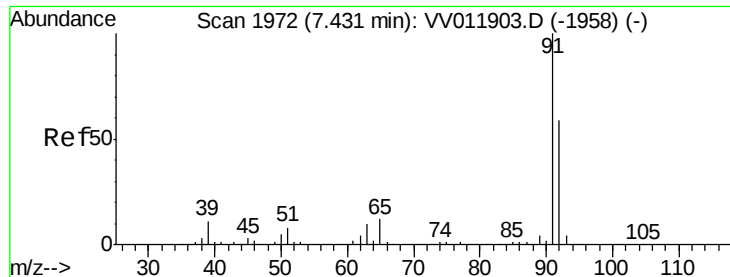
Tgt Ion: 75 Resp: 108408
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 55.680 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion: 43 Resp: 488973
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.4 44.2
 100 13.9 11.1 16.7





#42

Toluene

Concen: 5.473 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

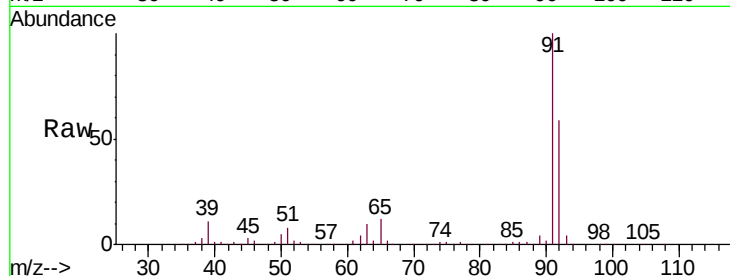
VSTD00532

Tgt Ion: 91 Resp: 340434

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

150000

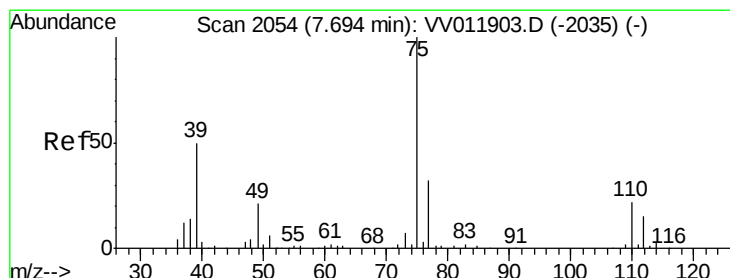
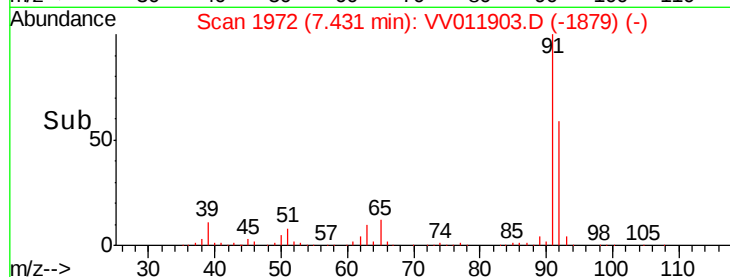
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.443 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011903.D

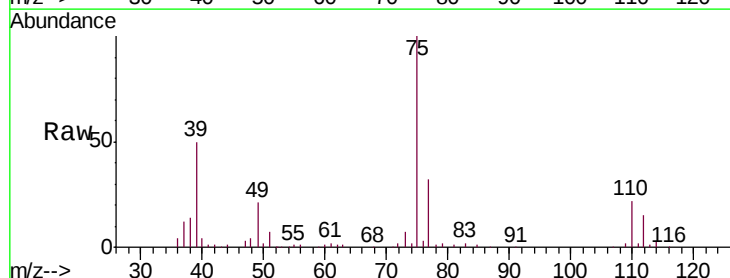
Acq: 17 Jul 2019 11:09

Tgt Ion: 75 Resp: 85891

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

50000

40000

30000

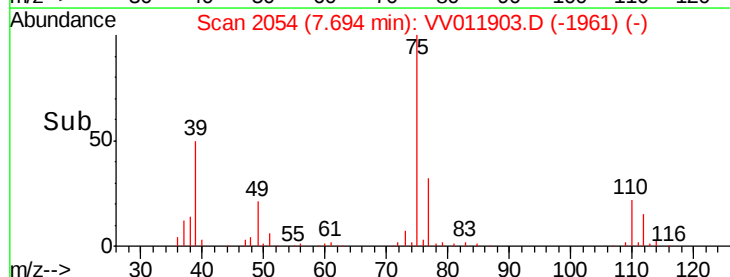
20000

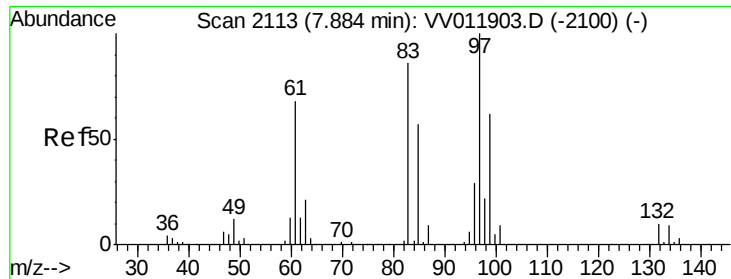
10000

0

7.60 7.70 7.80

Time-->

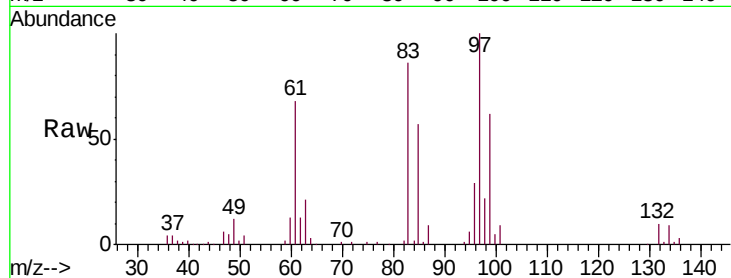




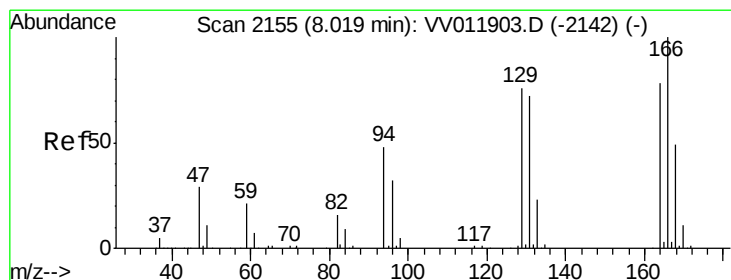
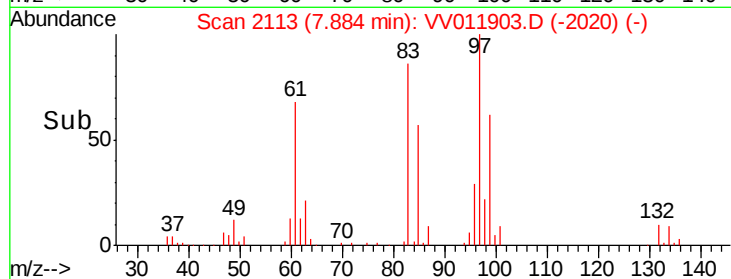
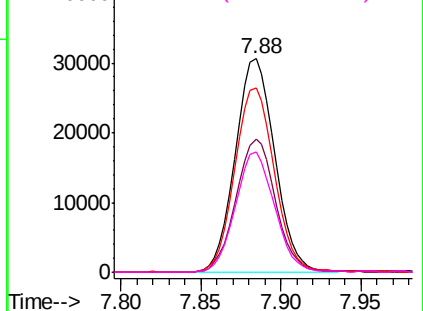
#45
 1,1,2-Trichloroethane
 Concen: 5.208 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

Tgt Ion:	97	Resp:	51635
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.5	80.7
83	86.4	60.5	112.3
85	56.6	39.6	73.6

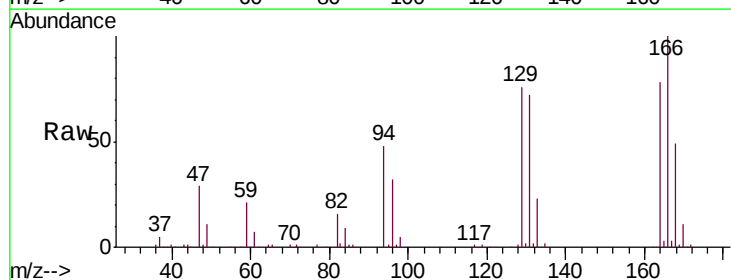


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

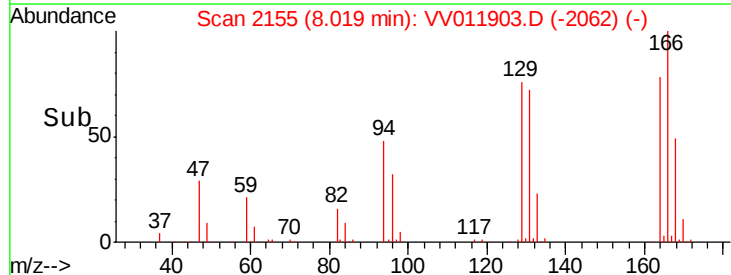
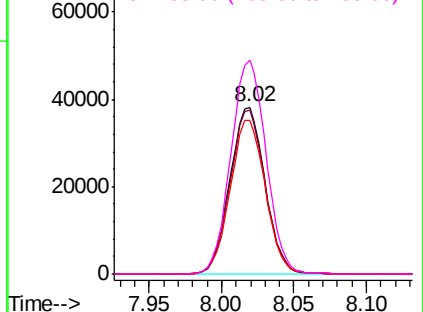


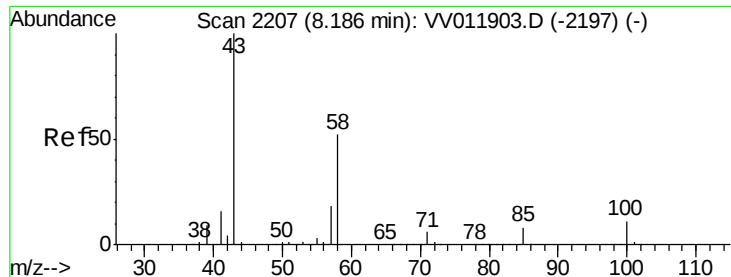
#47
 Tetrachloroethene
 Concen: 5.158 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion:	164	Resp:	63979
Ion	Ratio	Lower	Upper
164	100		
129	98.0	68.6	127.4
131	92.3	64.6	120.0
166	128.2	89.7	166.7



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

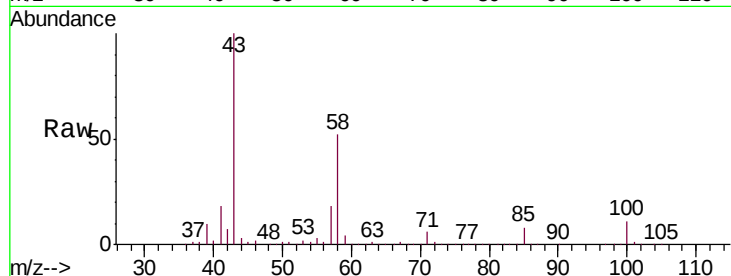




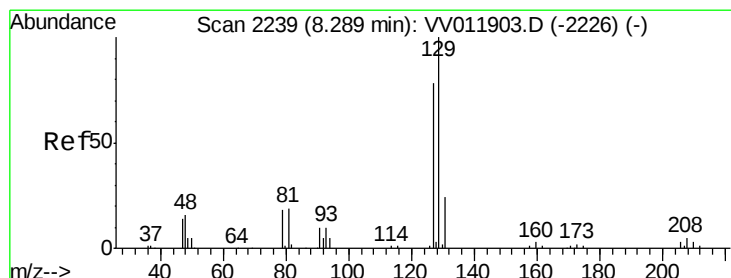
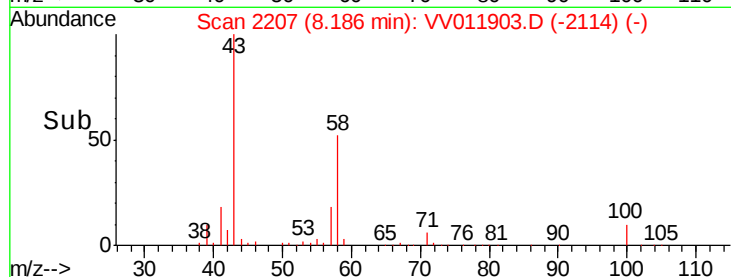
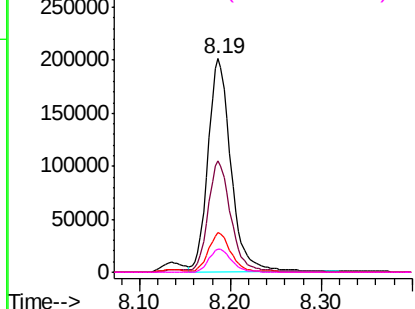
#48
2-Hexanone
Concen: 55.744 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion: 43 Resp: 352617
Ion Ratio Lower Upper
43 100
58 51.4 41.1 61.7
57 17.9 14.3 21.5
100 10.9 8.7 13.1

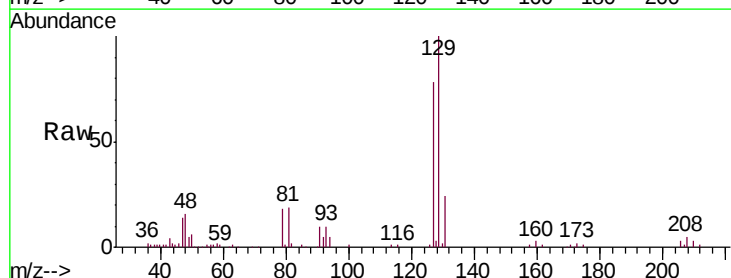


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

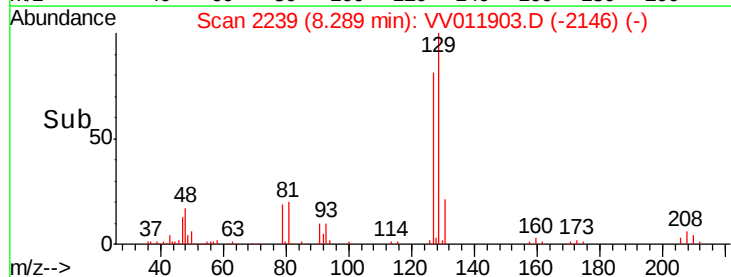
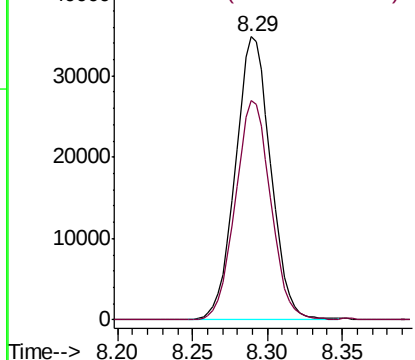


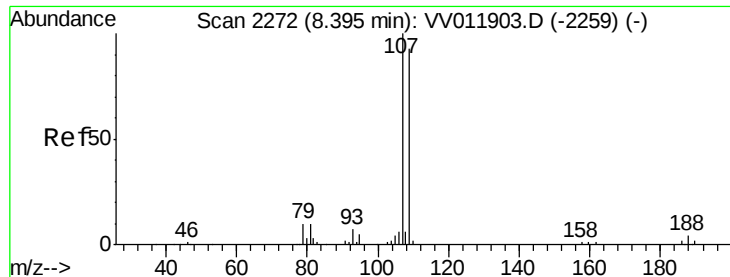
#49
Dibromochloromethane
Concen: 5.213 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Tgt Ion: 129 Resp: 57052
Ion Ratio Lower Upper
129 100
127 77.6 54.3 100.9



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

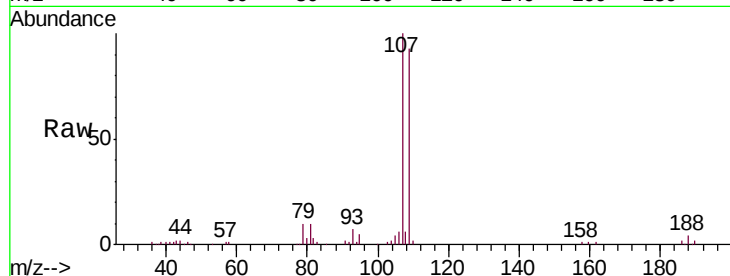




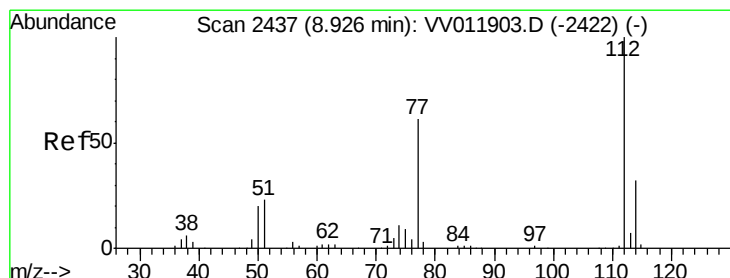
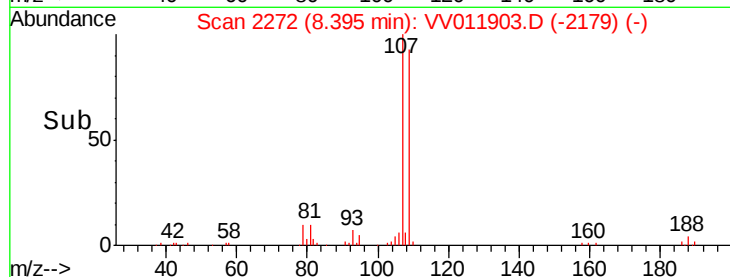
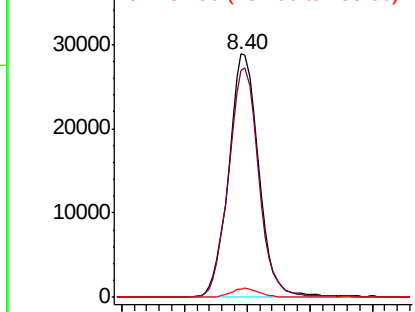
#50
1,2-Dibromoethane
Concen: 5.240 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD00532

Tgt Ion:107 Resp: 48073
Ion Ratio Lower Upper
107 100
109 93.2 65.2 121.2
188 3.6 2.9 4.3

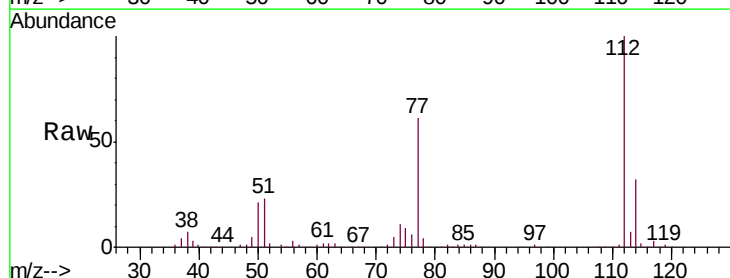


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

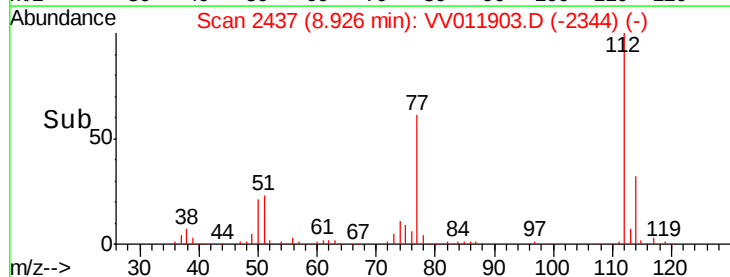
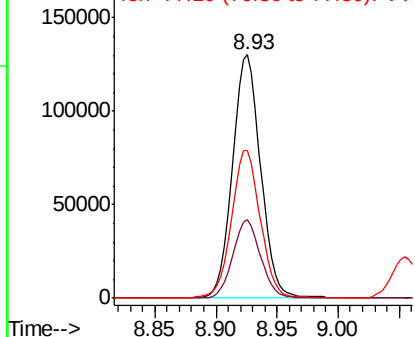


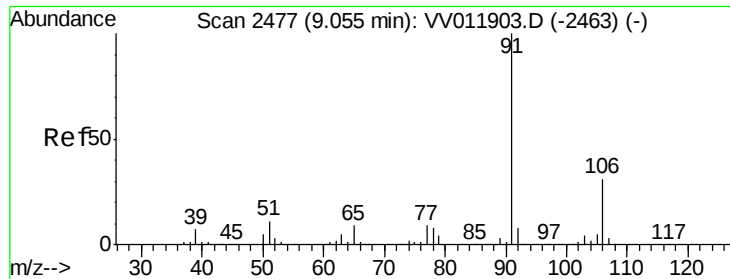
#51
Chlorobenzene
Concen: 5.201 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Tgt Ion:112 Resp: 208915
Ion Ratio Lower Upper
112 100
114 32.3 22.6 42.0
77 60.8 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): V

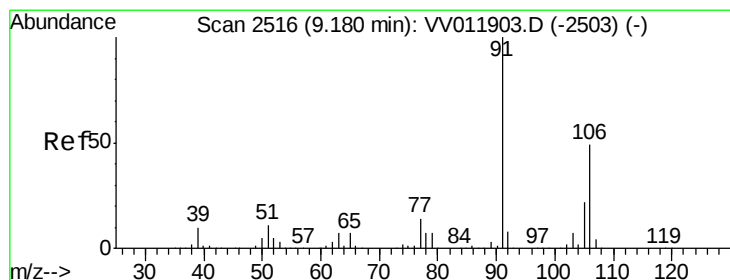
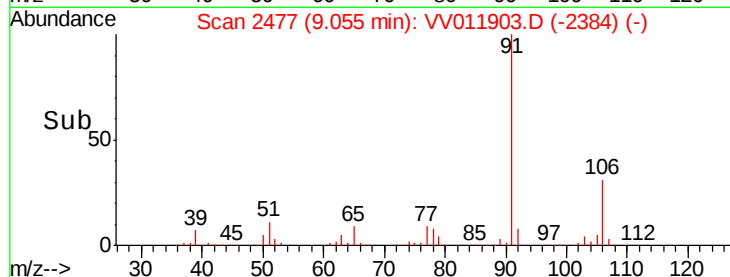
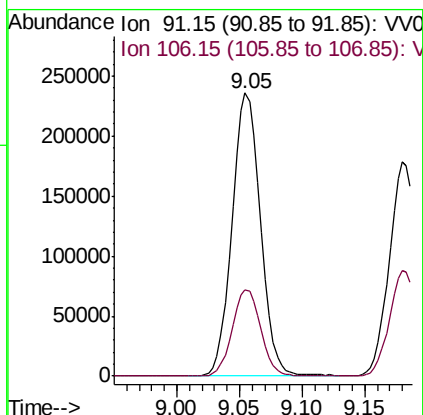
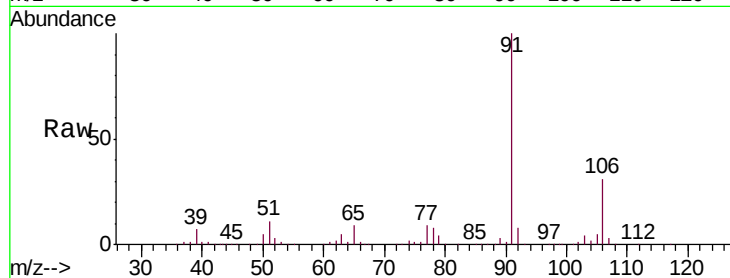




#52
Ethylbenzene
Concen: 5.393 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

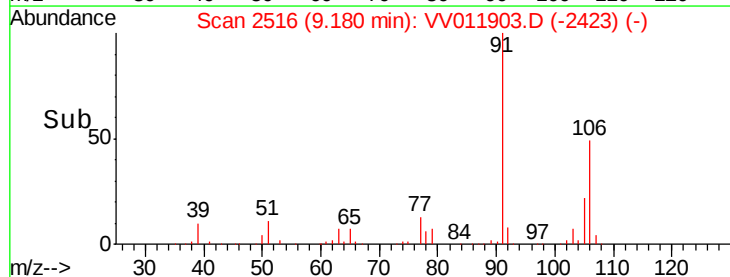
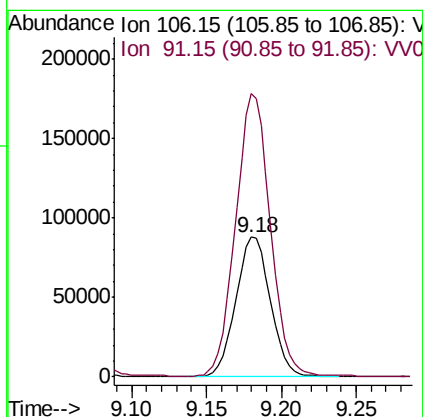
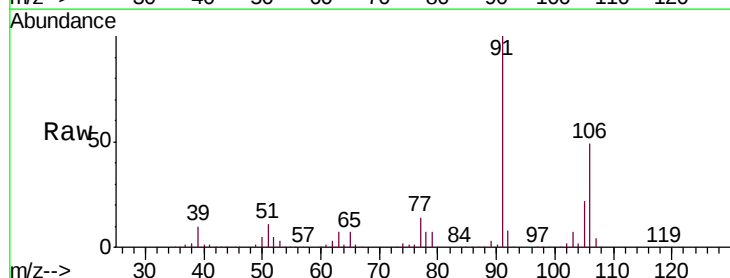
Instrument :
MSVOA_V
ClientSampled :
VSTD00532

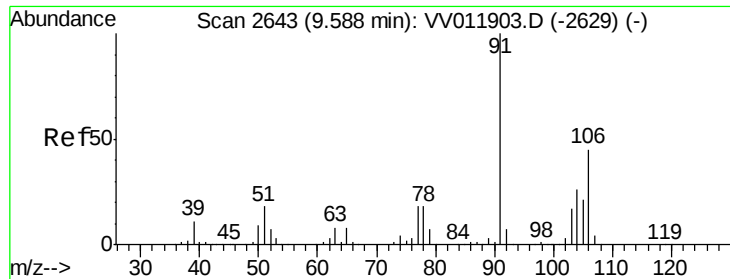
Tgt Ion: 91 Resp: 370786
Ion Ratio Lower Upper
91 100
106 30.6 21.4 39.8



#53
m,p-xylene
Concen: 5.543 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011903.D
Acq: 17 Jul 2019 11:09

Tgt Ion: 106 Resp: 140744
Ion Ratio Lower Upper
106 100
91 202.6 141.8 263.4





#54

o-xylene

Concen: 5.484 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

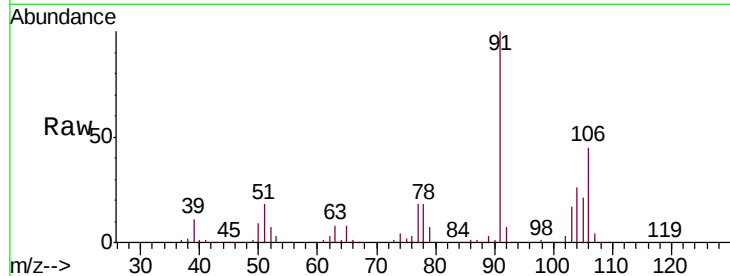
VSTD00532

Tgt Ion:106 Resp: 132501

Ion Ratio Lower Upper

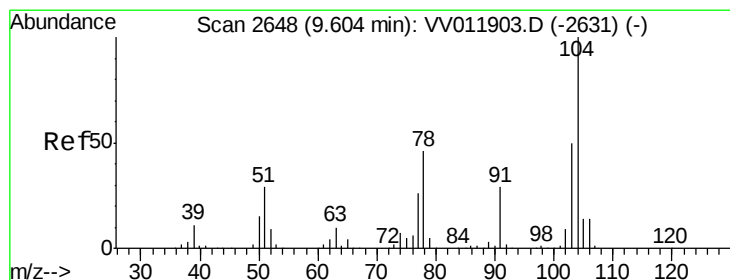
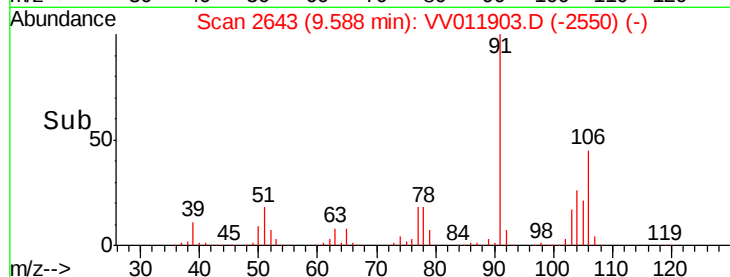
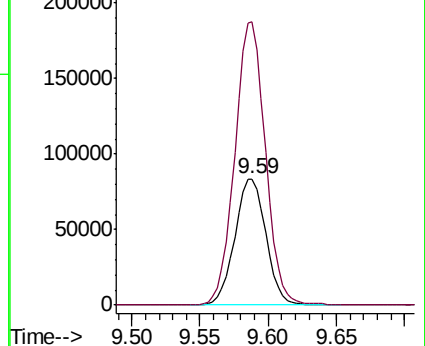
106 100

91 224.1 156.9 291.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.605 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011903.D

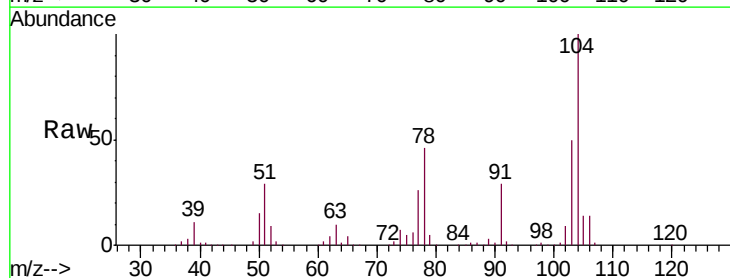
Acq: 17 Jul 2019 11:09

Tgt Ion:104 Resp: 228277

Ion Ratio Lower Upper

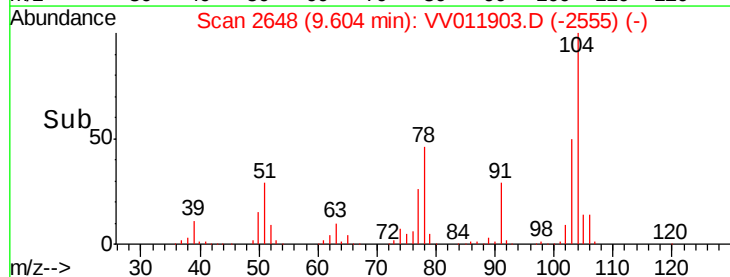
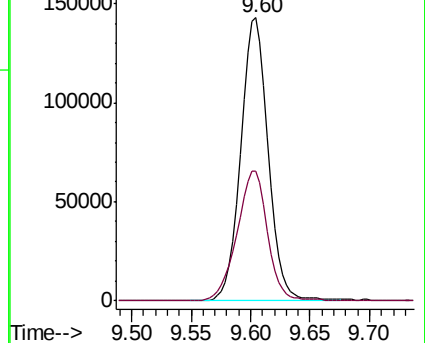
104 100

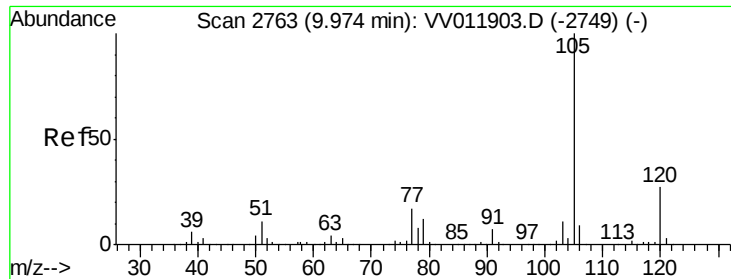
78 45.7 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.444 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

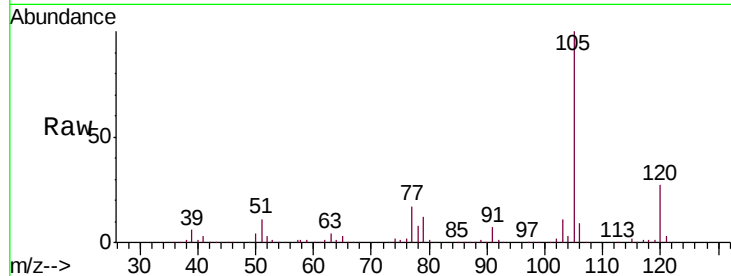
Tgt Ion: 105 Resp: 359192

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

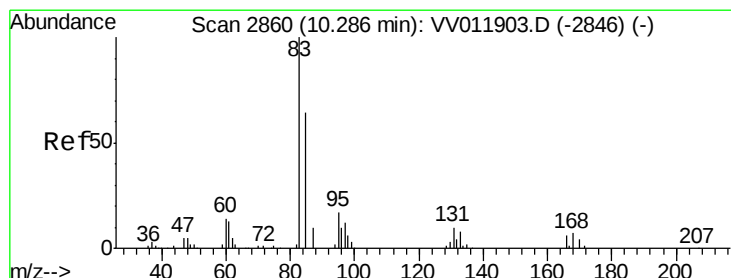
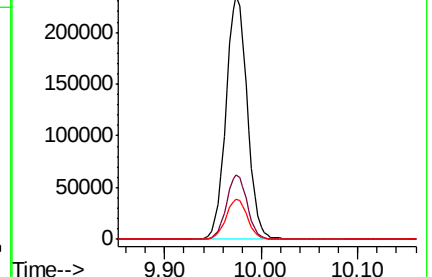
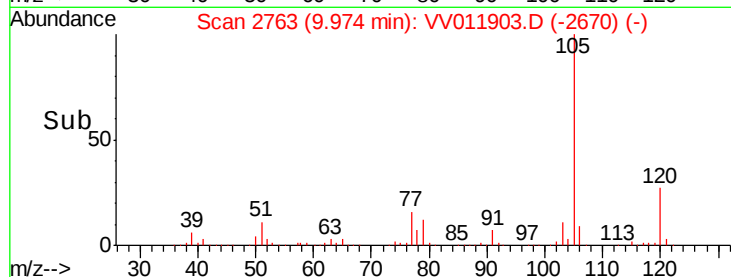
77 16.6 13.3 19.9



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: 5.339 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

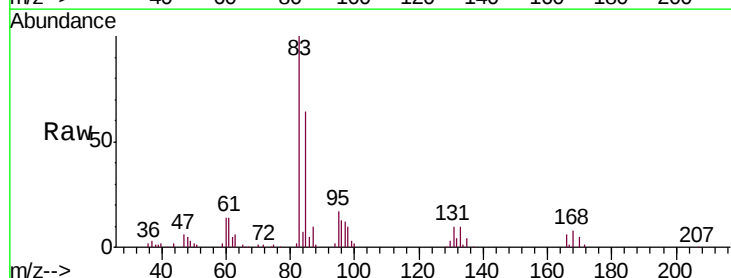
Tgt Ion: 83 Resp: 51919

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

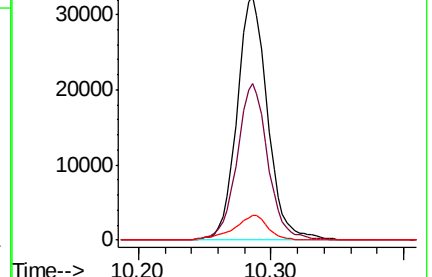
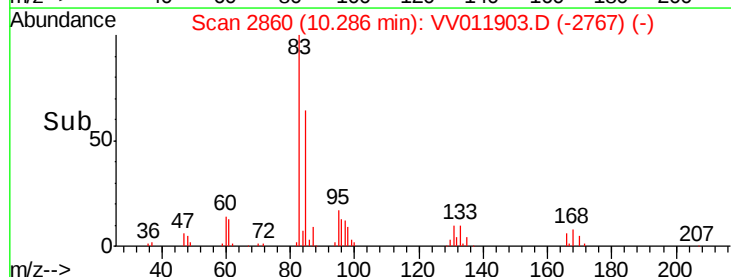
131 10.2 8.2 12.2

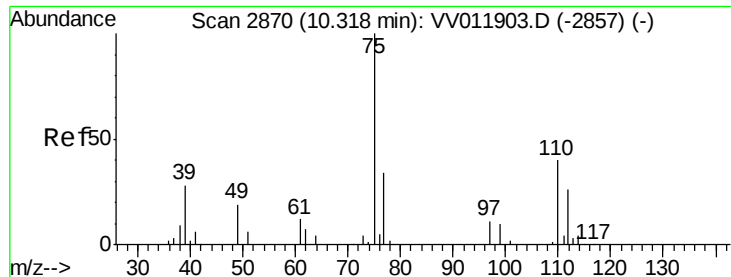


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.073 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

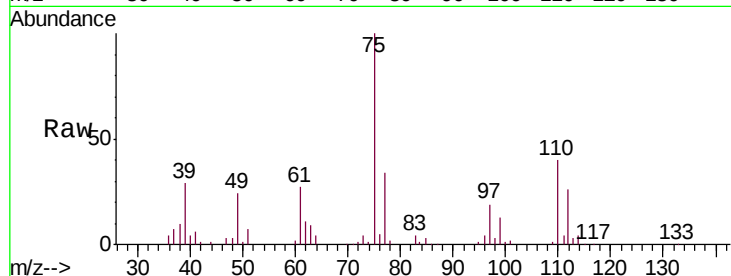
VSTD00532

Tgt Ion: 75 Resp: 44488

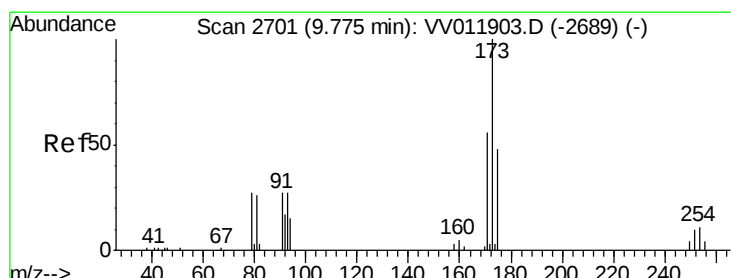
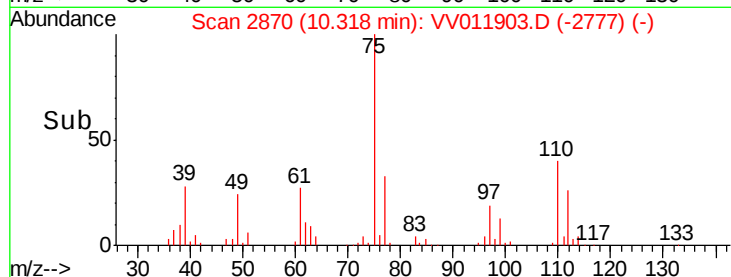
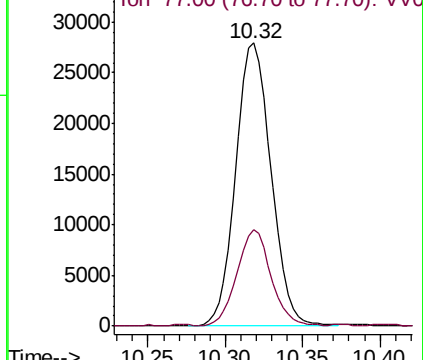
Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5



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



#61

Bromoform

Concen: 5.154 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

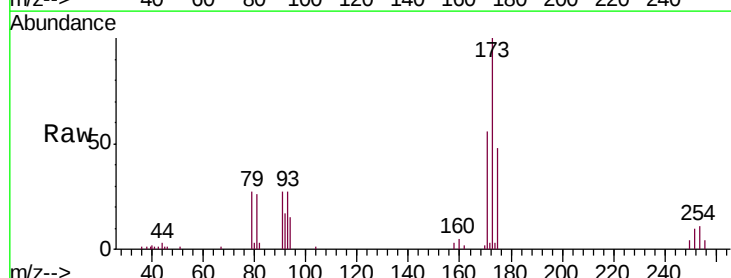
Tgt Ion: 173 Resp: 27129

Ion Ratio Lower Upper

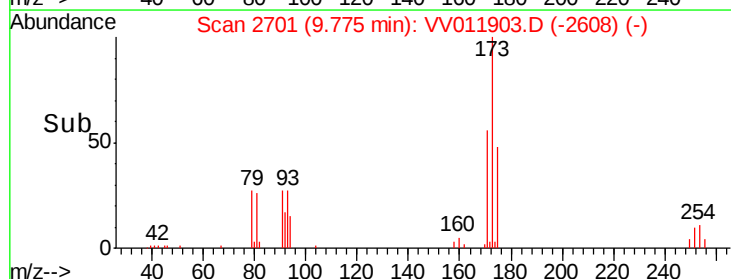
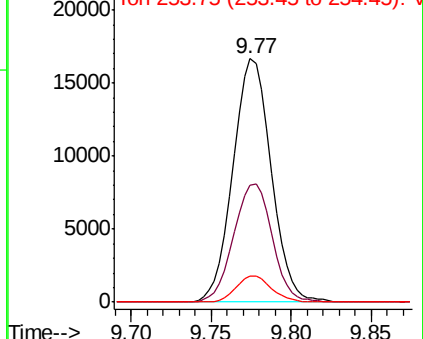
173 100

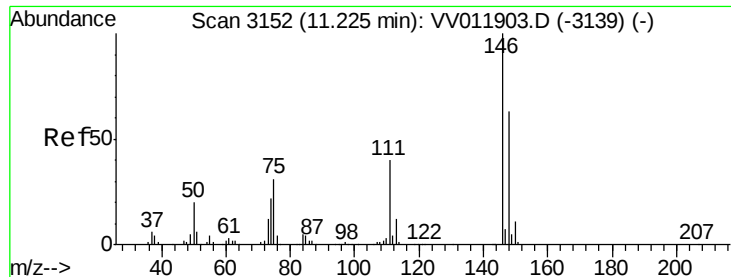
175 48.9 39.1 58.7

254 9.8 7.8 11.8



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





#62

1,3-Dichlorobenzene

Concen: 5.060 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

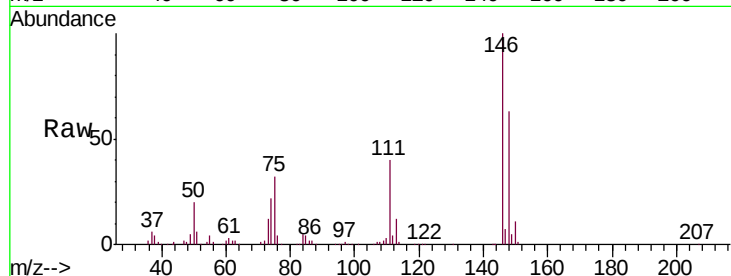
Instrument :

MSVOA_V

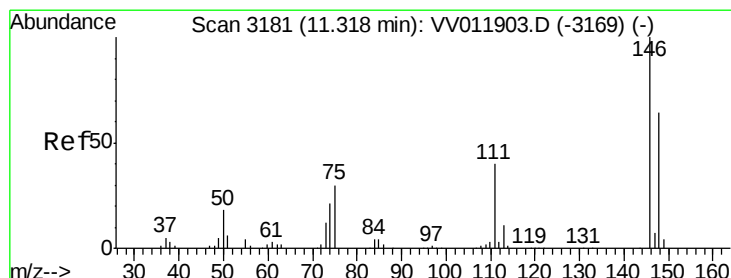
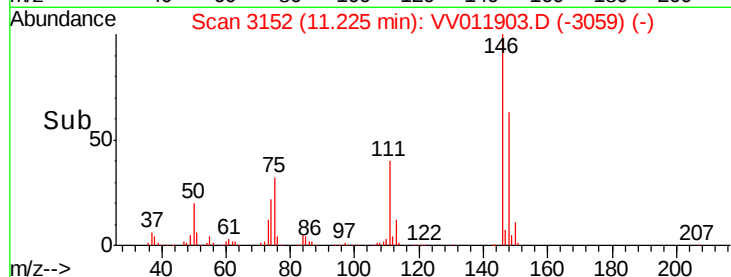
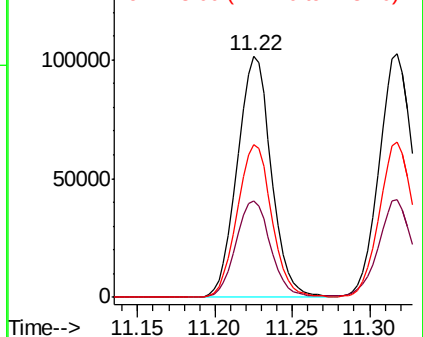
ClientSampleId :

VSTD00532

Tgt Ion:	146	Resp:	155647
Ion Ratio	Lower	Upper	
146	100		
111	40.1	28.1	52.1
148	63.3	44.3	82.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.017 ug/L

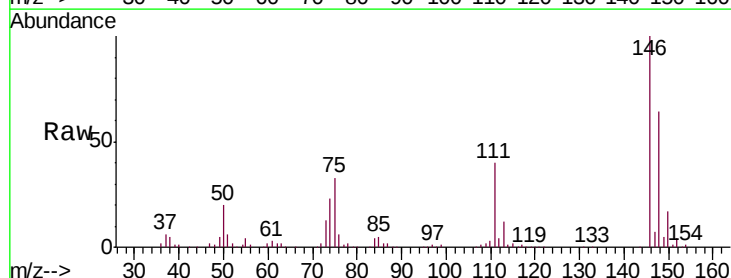
RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

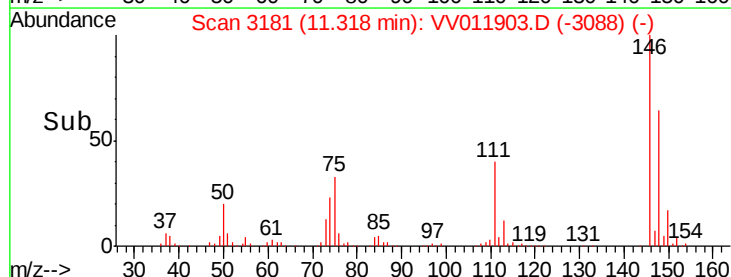
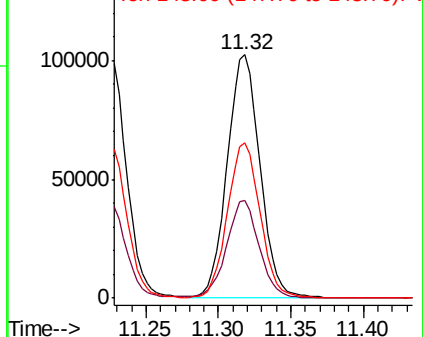
Lab File: VV011903.D

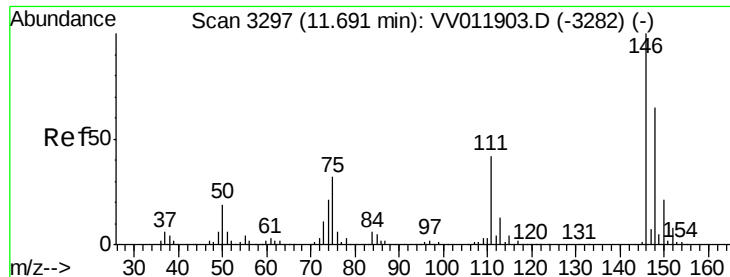
Acq: 17 Jul 2019 11:09

Tgt Ion:	146	Resp:	159936
Ion Ratio	Lower	Upper	
146	100		
111	40.0	28.0	52.0
148	63.6	44.5	82.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

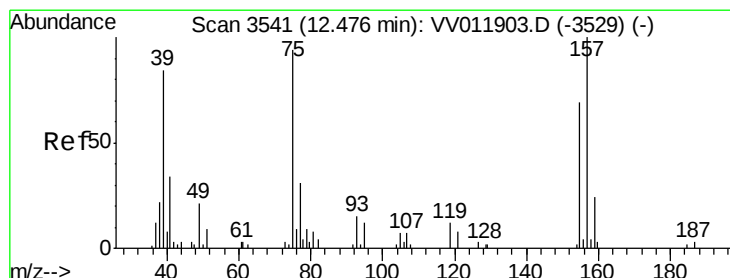
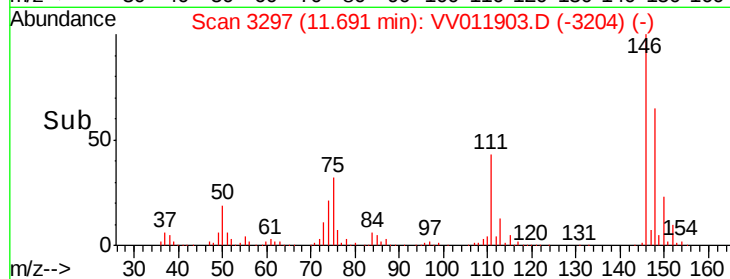
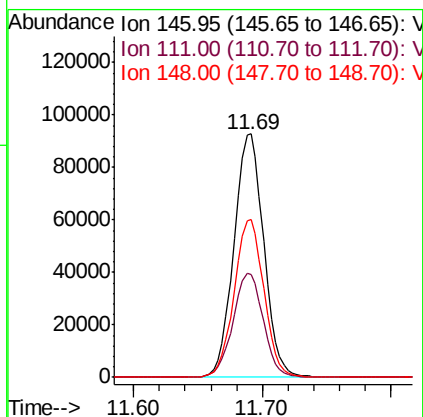
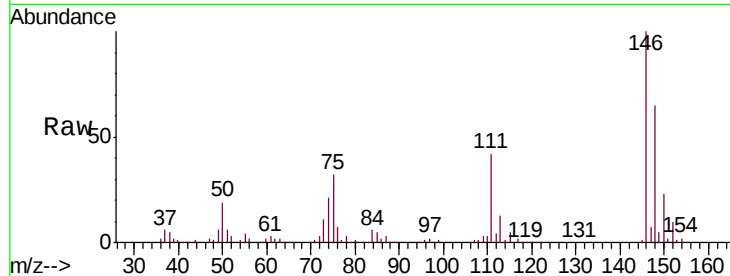




#65
 1,2-Dichlorobenzene
 Concen: 5.118 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

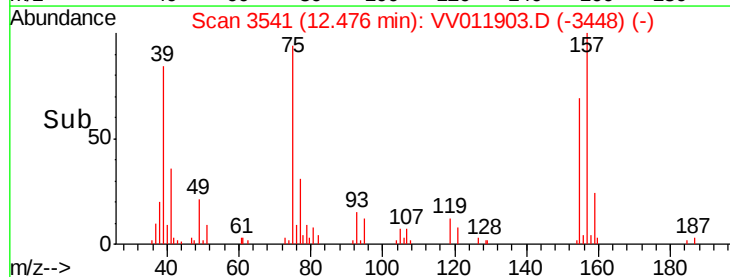
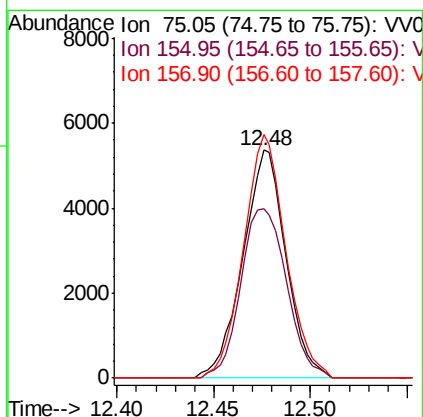
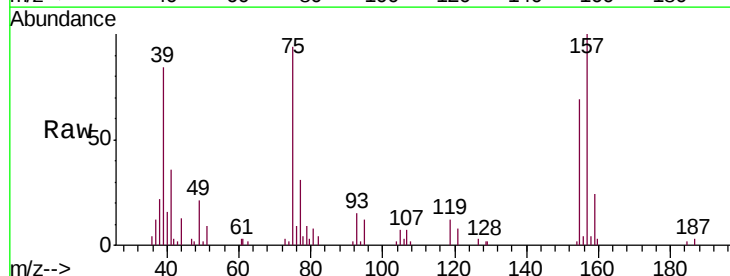
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

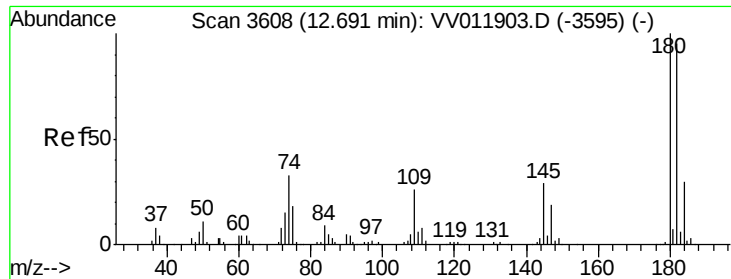
Tgt Ion: 146 Resp: 149003
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.0 51.0
 148 64.7 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.682 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion: 75 Resp: 8311
 Ion Ratio Lower Upper
 75 100
 155 74.2 59.4 89.0
 157 106.9 85.5 128.3

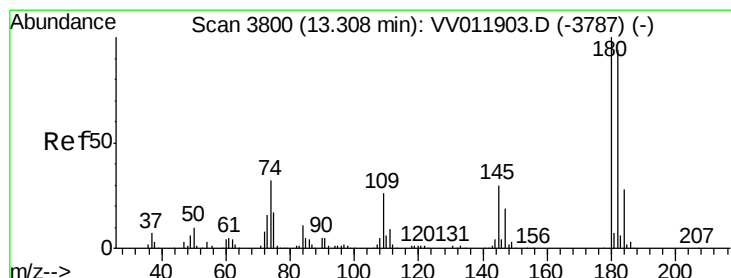
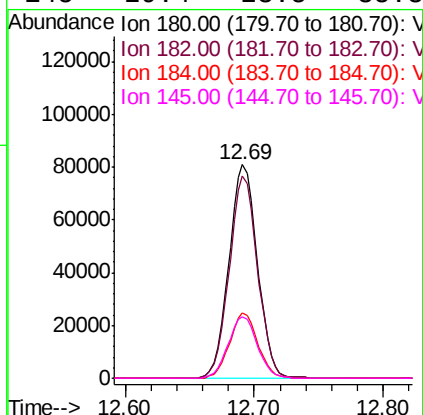
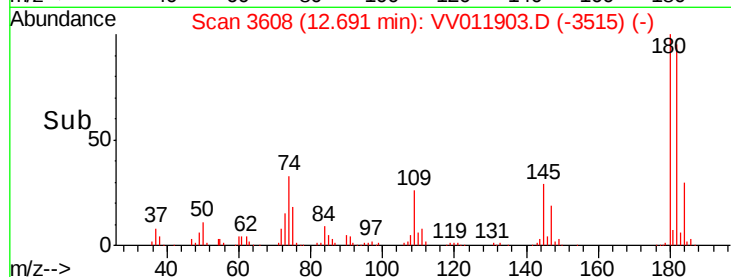
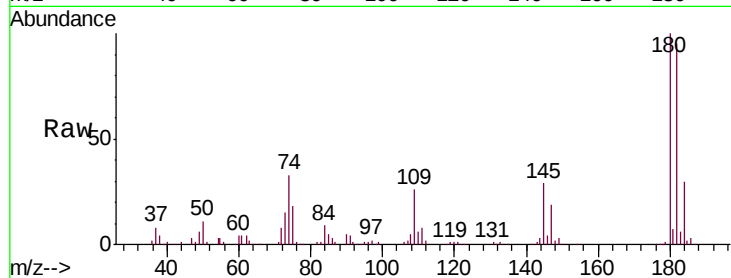




#67
 1,3,5-Trichlorobenzene
 Concen: 5.118 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

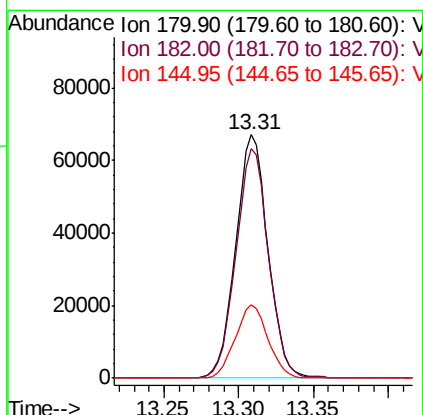
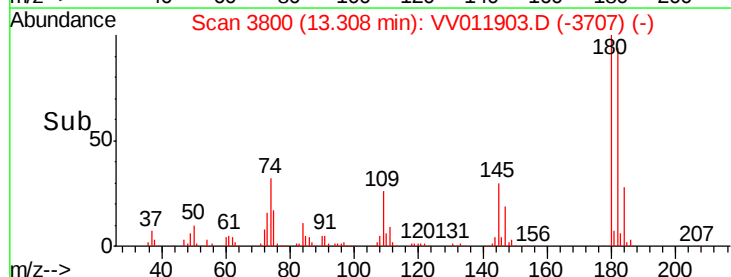
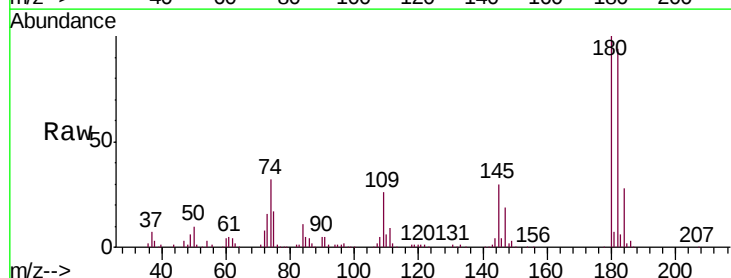
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00532

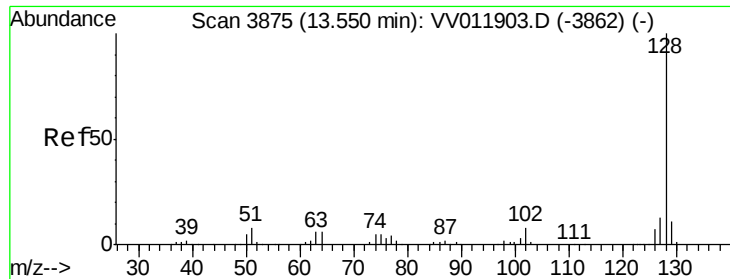
Tgt Ion:	180	Resp:	123680
Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.5	113.3
184	30.2	24.2	36.2
145	29.4	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.228 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011903.D
 Acq: 17 Jul 2019 11:09

Tgt Ion:	180	Resp:	100518
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	30.3	24.2	36.4





#69

Naphthalene

Concen: 5.438 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00532

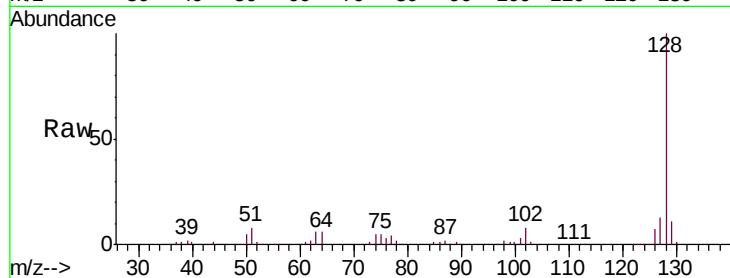
Tgt Ion:128 Resp: 154671

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

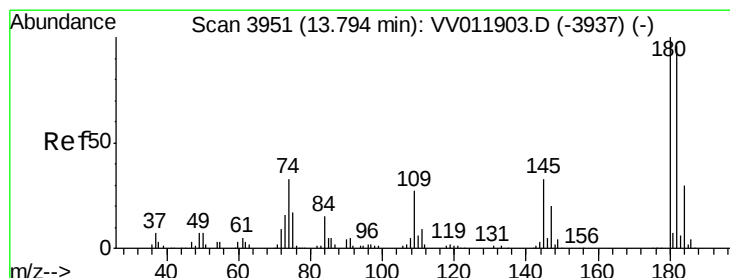
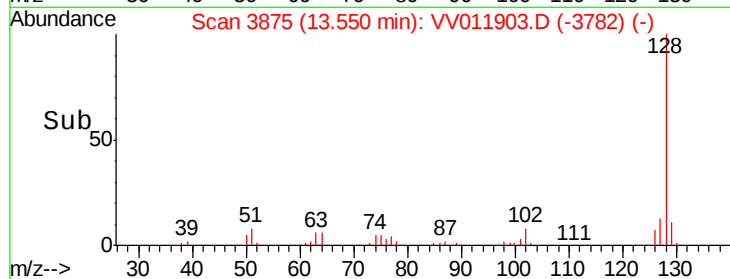
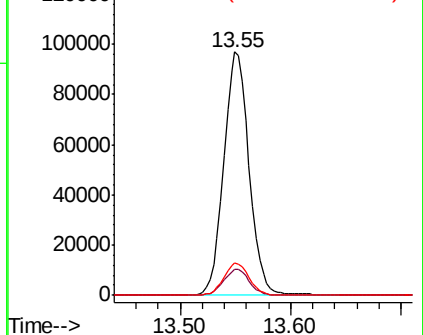
127 13.4 10.7 16.1



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: 5.287 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011903.D

Acq: 17 Jul 2019 11:09

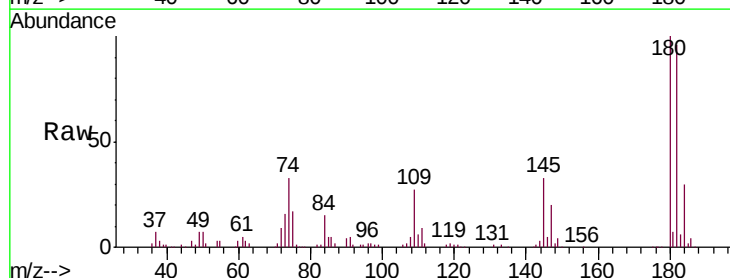
Tgt Ion:180 Resp: 91887

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 32.6 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

