

Data File : VV011862.D
Acq On : 12 Jul 2019 10:34
Operator : SY/MD
Sample : VSTD0.535
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Quant Time: Jul 13 03:39:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 03:37:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	193425	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	189343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	85858	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7717	0.60	ug/L	0.00
7) Chloroethane-d5	1.58	69	6026	0.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11298	0.45	ug/L	0.00
20) 2-Butanone-d5	3.96	46	15230	4.97	ug/L	0.00
24) Chloroform-d	4.40	84	14291	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	6733	0.52	ug/L	0.00
32) Benzene-d6	5.10	84	24313	0.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7757	0.50	ug/L	0.00
41) Toluene-d8	7.36	98	20675	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2552	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	8006	3.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	4366	0.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	7975	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9819	0.535 ug/L	99
3) Chloromethane	1.25	50	10022	0.545 ug/L	98
5) Vinyl chloride	1.32	62	9465	0.546 ug/L	98
6) Bromomethane	1.54	94	5621	0.606 ug/L	97
8) Chloroethane	1.60	64	5773	0.582 ug/L	97
9) Trichlorofluoromethane	1.77	101	10633	0.466 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5401	0.423 ug/L	95
12) 1,1-Dichloroethene	2.14	96	4769	0.403 ug/L	92
13) Acetone	2.21	43	9754	4.464 ug/L	95
14) Carbon disulfide	2.32	76	12861	0.403 ug/L	100
15) Methyl Acetate	2.47	43	2386	0.387 ug/L	100
16) Methylene chloride	2.53	84	6868	0.494 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	14976	0.501 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	6992	0.528 ug/L	89
19) 1,1-Dichloroethane	3.23	63	13623	0.532 ug/L	99
21) 2-Butanone	4.05	43	15417	4.409 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	7488	0.533 ug/L	100
23) Bromochloromethane	4.30	128	3285	0.561 ug/L	96
25) Chloroform	4.42	83	16646	0.600 ug/L	99
27) 1,2-Dichloroethane	5.18	62	8538	0.505 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	12201	0.549 ug/L	97
30) Cyclohexane	4.72	56	11994	0.512 ug/L	97
31) Carbon tetrachloride	4.87	117	9439	0.494 ug/L	99
33) Benzene	5.14	78	26528	0.474 ug/L	100
34) Trichloroethene	5.96	95	8596	0.578 ug/L	95
35) Methylcyclohexane	6.17	83	10649	0.442 ug/L	93
37) 1,2-Dichloropropane	6.22	63	6939	0.483 ug/L #	92
38) Bromodichloromethane	6.56	83	8404	0.494 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	8344	0.427 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	36176	4.072 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	26020	0.436	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	6320	0.423	ug/L	93
45) 1,1,2-Trichloroethane	7.88	97	4728	0.508	ug/L	98
47) Tetrachloroethene	8.02	164	5624	0.485	ug/L	94
48) 2-Hexanone	8.19	43	24972	3.983	ug/L	98
49) Dibromochloromethane	8.29	129	4592	0.464	ug/L	99
50) 1,2-Dibromoethane	8.40	107	4108	0.477	ug/L #	96
51) Chlorobenzene	8.92	112	19150	0.507	ug/L	99
52) Ethylbenzene	9.05	91	28597	0.432	ug/L	98
53) m,p-xylene	9.18	106	10460	0.430	ug/L	88
54) o-xylene	9.59	106	9387	0.402	ug/L	97
55) Styrene	9.60	104	14944	0.381	ug/L	98
56) Isopropylbenzene	9.97	105	26467	0.419	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	3895	0.354	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	4195	0.503	ug/L	96
61) Bromoform	9.77	173	2047	0.442	ug/L #	90
62) 1,3-Dichlorobenzene	11.22	146	12881	0.483	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	13691	0.501	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	12284	0.487	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	907	0.571	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.69	180	10202	0.493	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	7260	0.436	ug/L	99
69) Naphthalene	13.55	128	8836	0.336	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	6582	0.427	ug/L	99

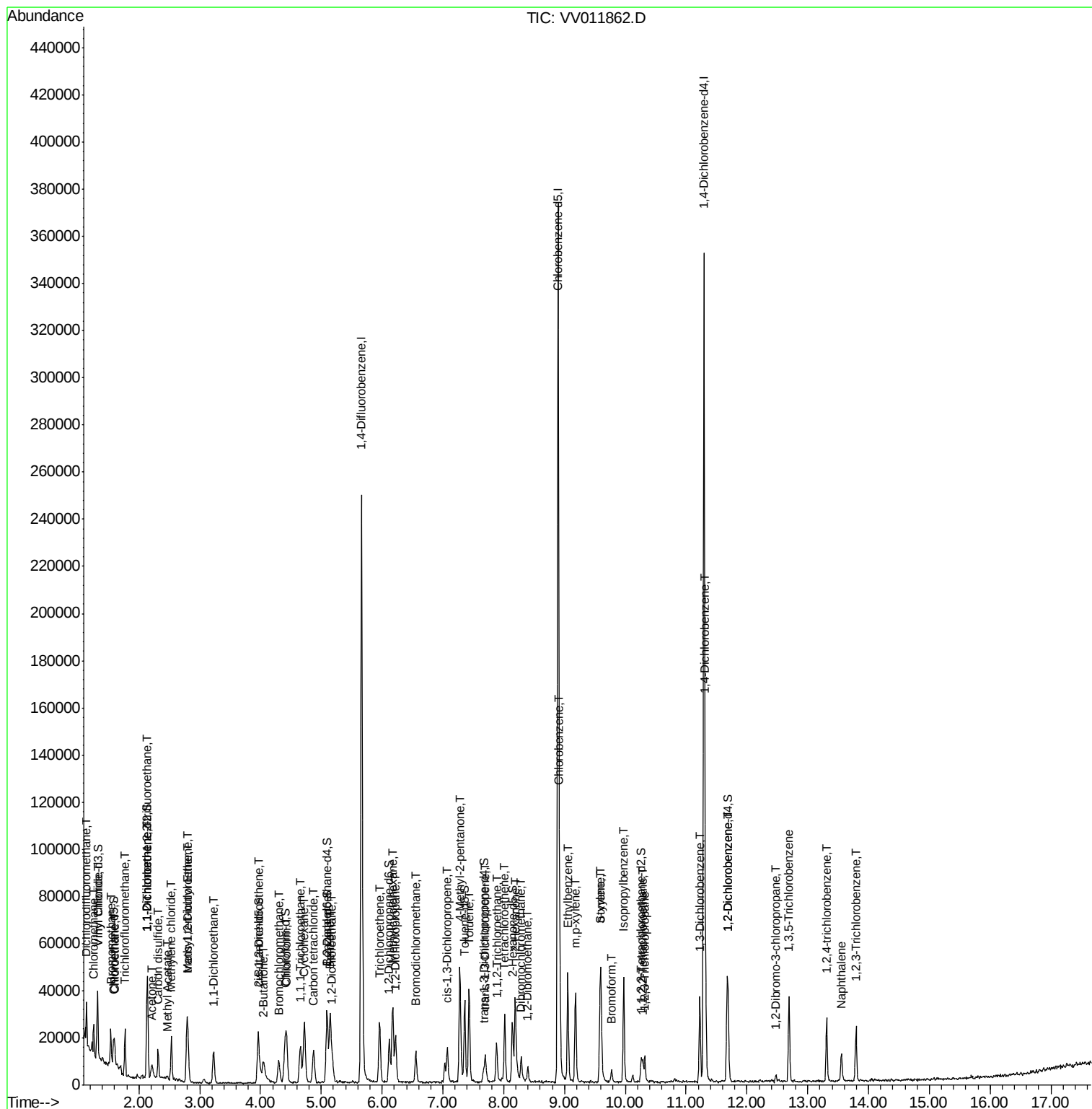
(#) = qualifier out of range (m) = manual integration (+) = signals summed

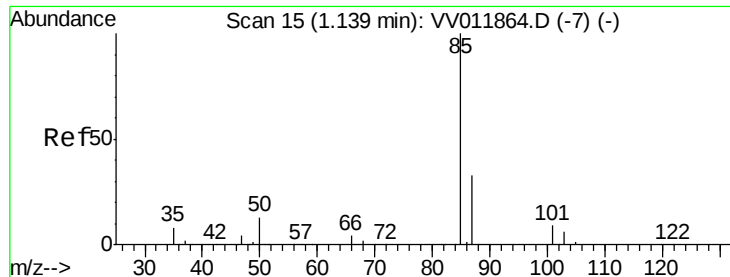
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#2

Dichlorodifluoromethane

Concen: 0.535 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

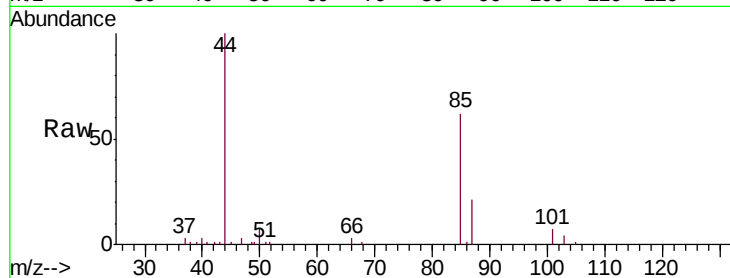
VSTD0.535

Tgt Ion: 85 Resp: 9819

Ion Ratio Lower Upper

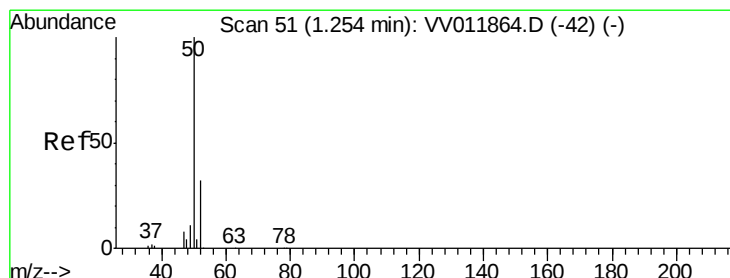
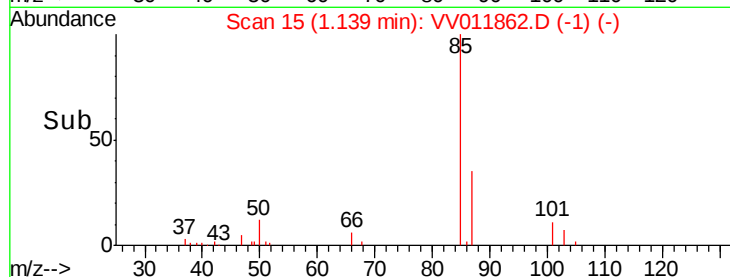
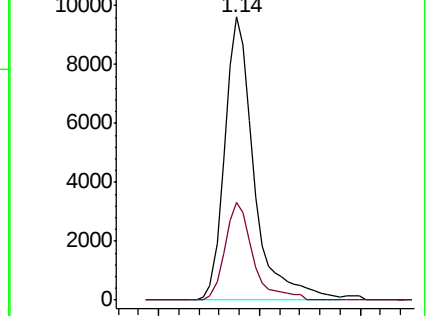
85 100

87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.545 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011862.D

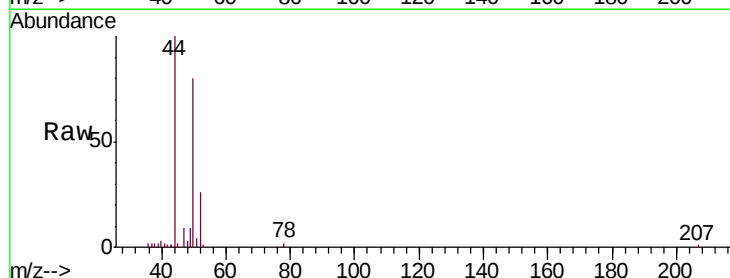
Acq: 12 Jul 2019 10:34

Tgt Ion: 50 Resp: 10022

Ion Ratio Lower Upper

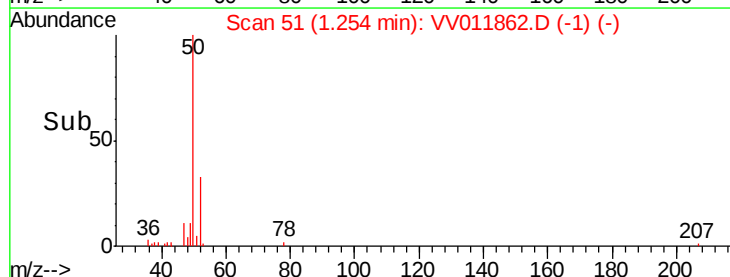
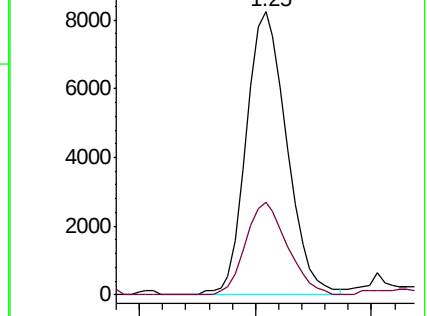
50 100

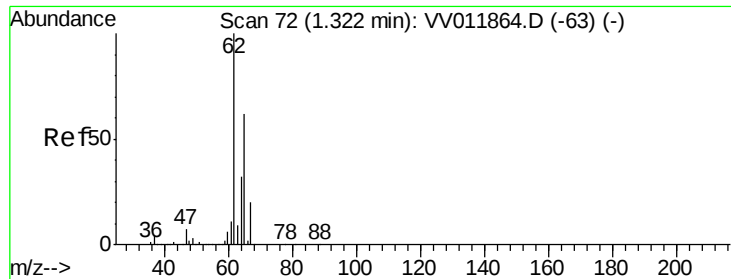
52 32.7 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.546 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

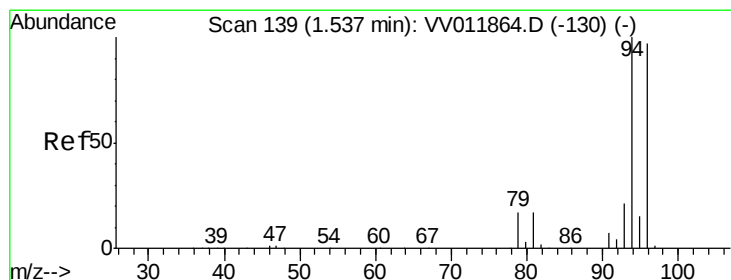
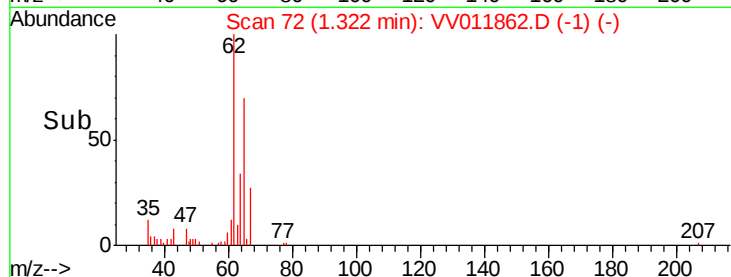
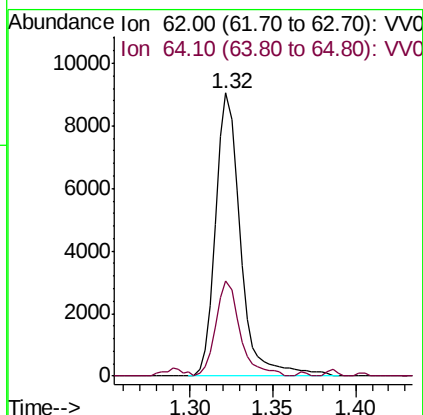
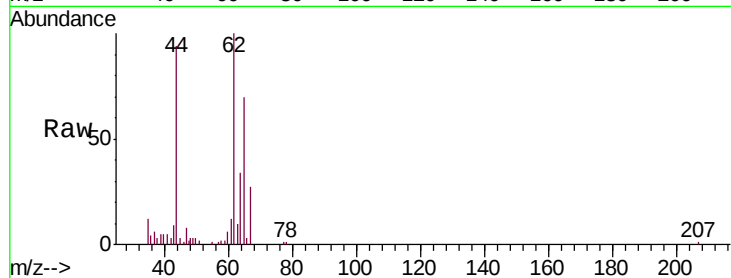
VSTD0.535

Tgt Ion: 62 Resp: 9465

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



#6

Bromomethane

Concen: 0.606 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011862.D

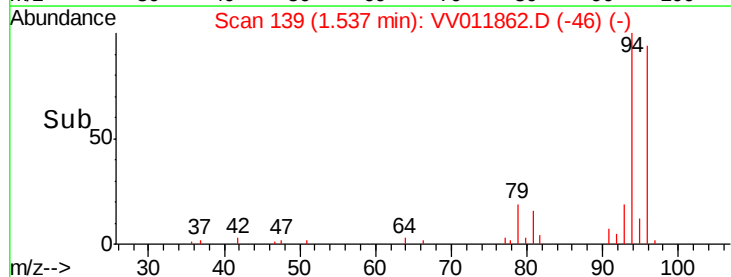
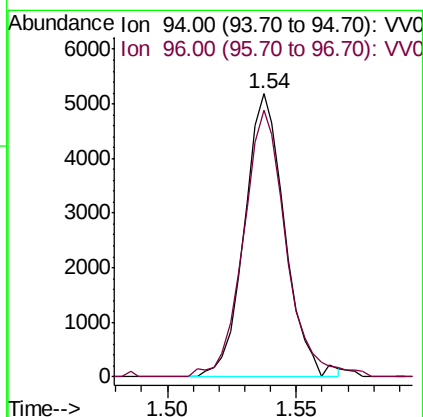
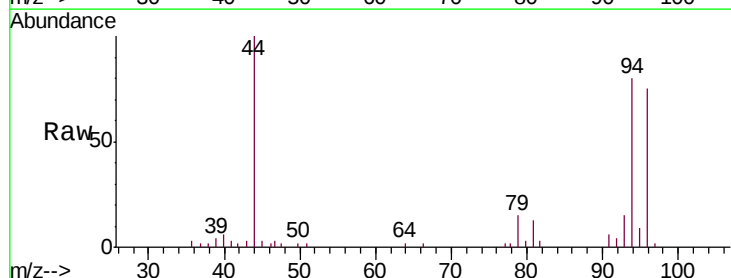
Acq: 12 Jul 2019 10:34

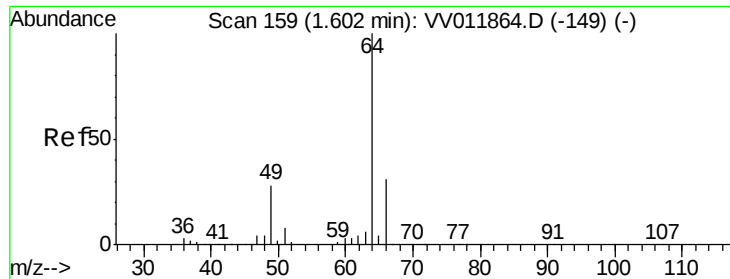
Tgt Ion: 94 Resp: 5621

Ion Ratio Lower Upper

94 100

96 94.1 67.9 126.1

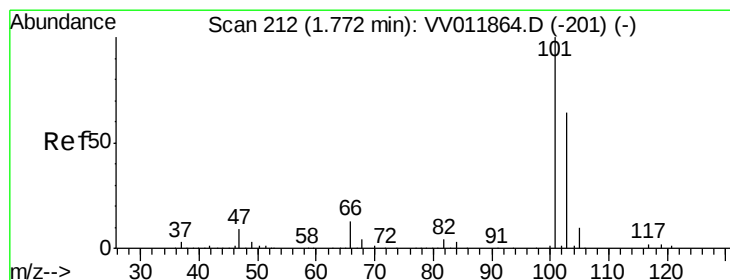
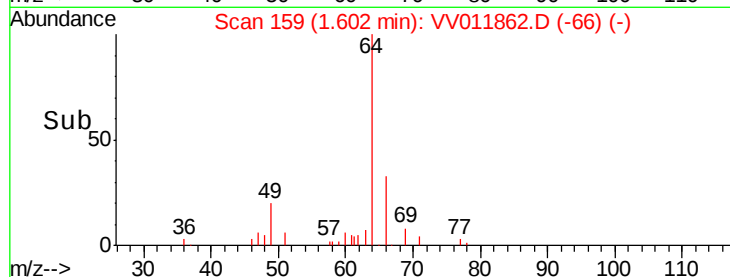
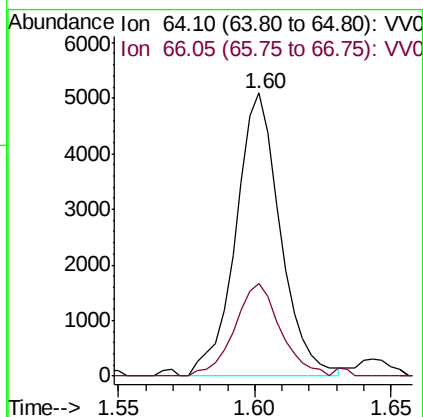
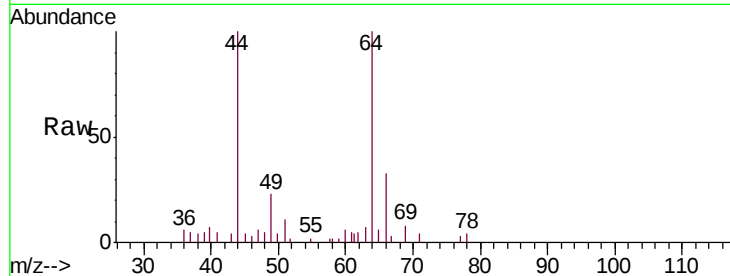




#8
Chloroethane
Concen: 0.582 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

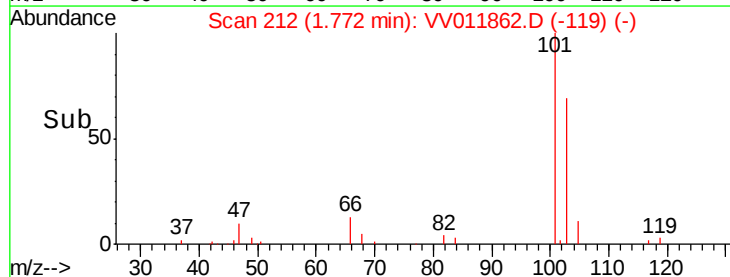
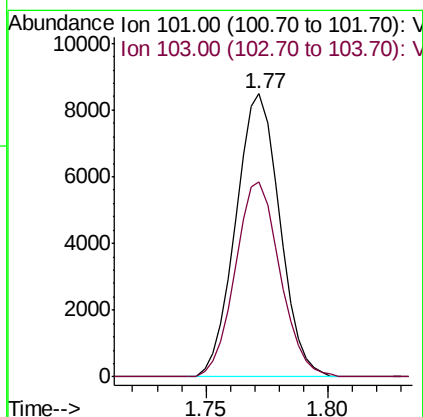
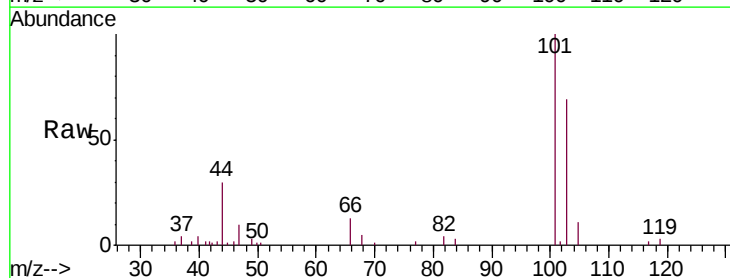
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

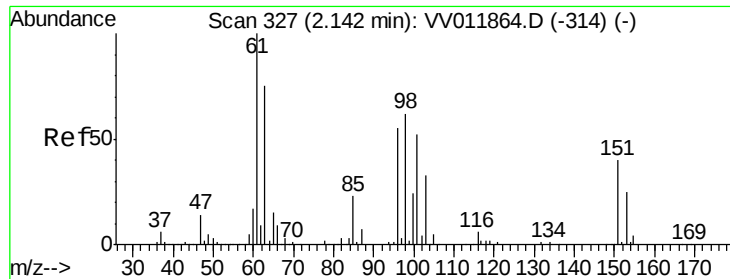
Tgt Ion: 64 Resp: 5773
Ion Ratio Lower Upper
64 100
66 32.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 0.466 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion: 101 Resp: 10633
Ion Ratio Lower Upper
101 100
103 69.9 51.9 77.9





#10

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

Concen: 0.423 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

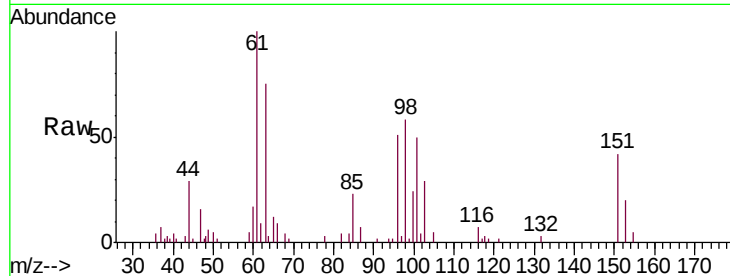
Tgt Ion:101 Resp: 5401

Ion Ratio Lower Upper

101 100

85 43.8 34.8 52.2

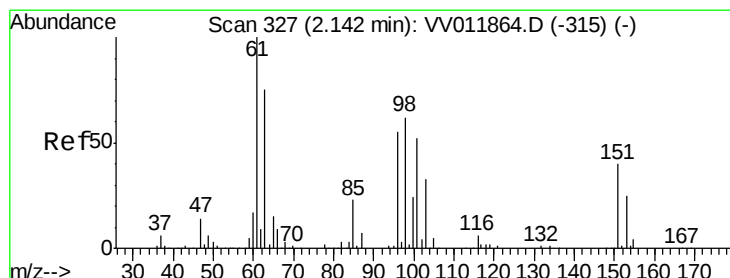
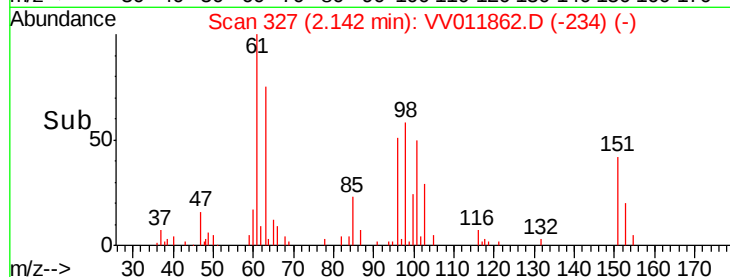
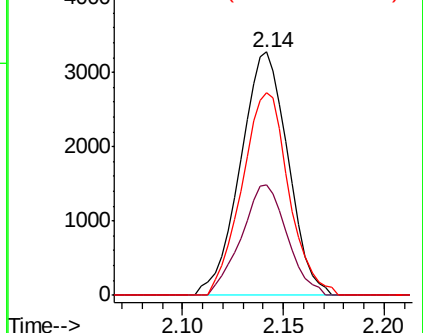
151 82.1 60.8 91.2



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: 0.403 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

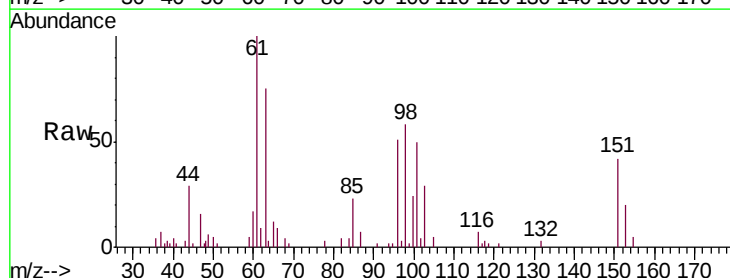
Tgt Ion: 96 Resp: 4769

Ion Ratio Lower Upper

96 100

61 195.7 128.1 237.9

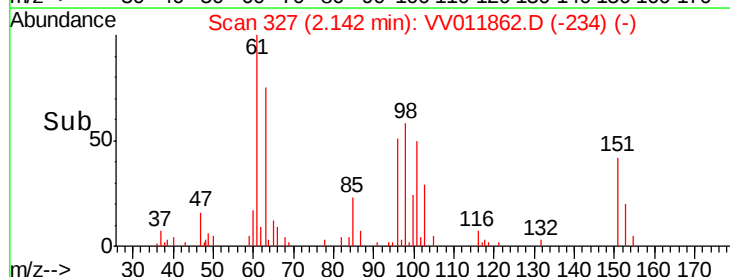
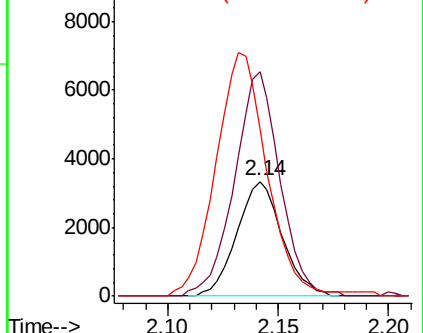
63 146.1 96.7 179.5

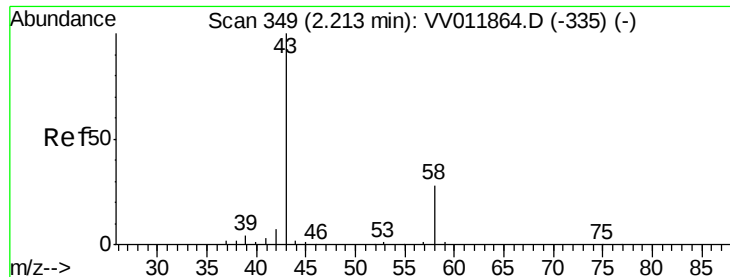


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.464 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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Acq: 12 Jul 2019 10:34

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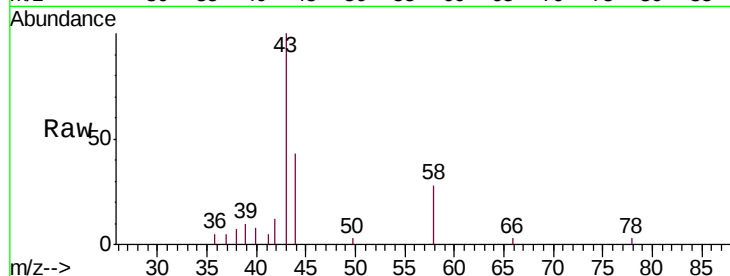
VSTD0.535

Tgt Ion: 43 Resp: 9754

Ion Ratio Lower Upper

43 100

58 26.5 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011864.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV011864.D (-335) (-)

2.21

4000

3000

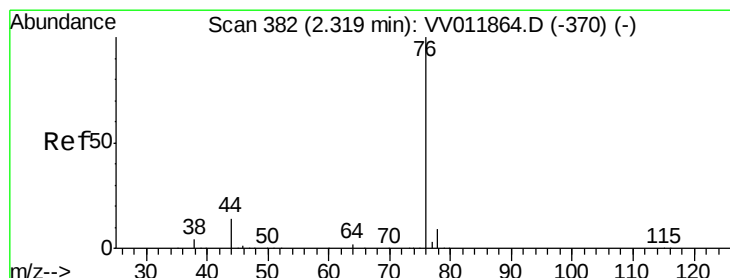
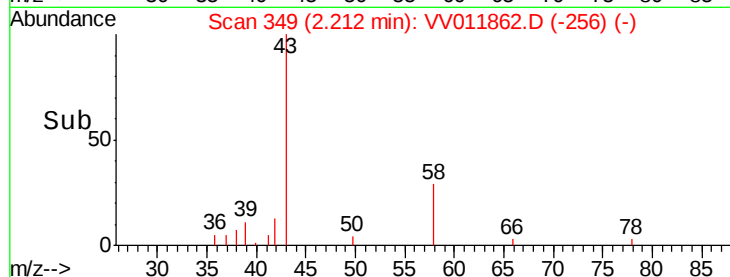
2000

1000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 0.403 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV011862.D

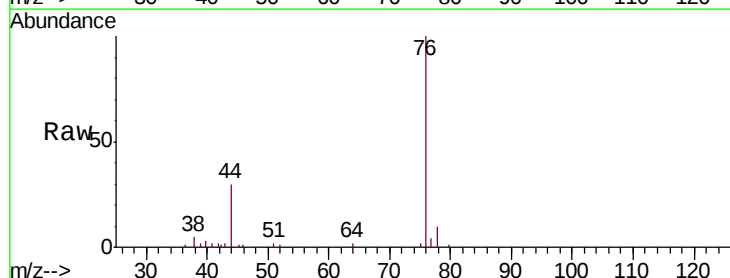
Acq: 12 Jul 2019 10:34

Tgt Ion: 76 Resp: 12861

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV011864.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV011864.D (-370) (-)

2.32

10000

8000

6000

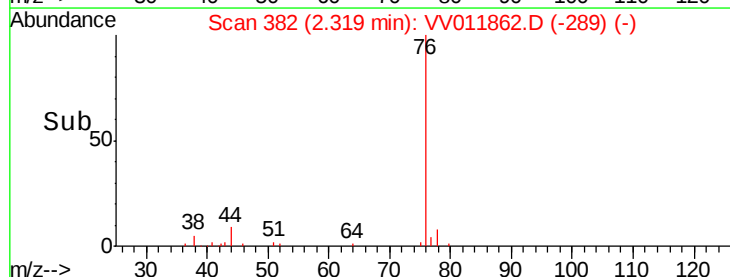
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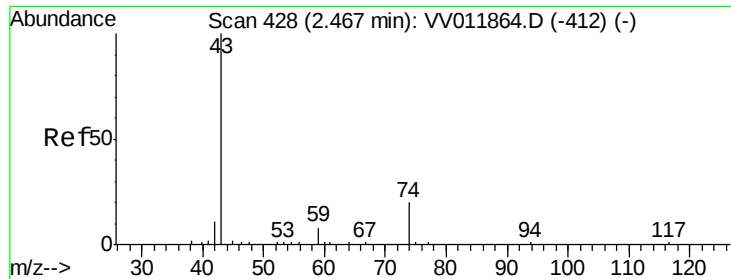
2000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 0.387 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

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Acq: 12 Jul 2019 10:34

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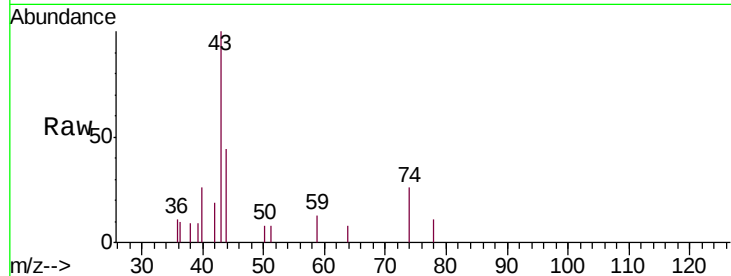
VSTD0.535

Tgt Ion: 43 Resp: 2386

Ion Ratio Lower Upper

43 100

74 21.8 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

1500

1000

500

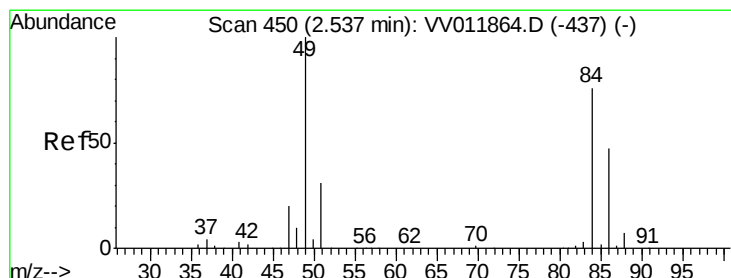
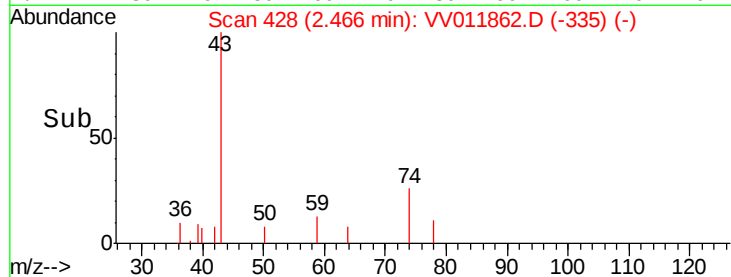
0

Time-->

2.45

2.47

2.50



#16

Methylene chloride

Concen: 0.494 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

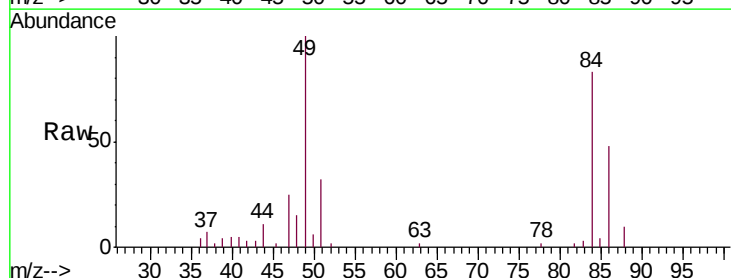
Tgt Ion: 84 Resp: 6868

Ion Ratio Lower Upper

84 100

86 57.8 43.9 81.5

49 120.8 92.6 172.0



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

6000

4000

2000

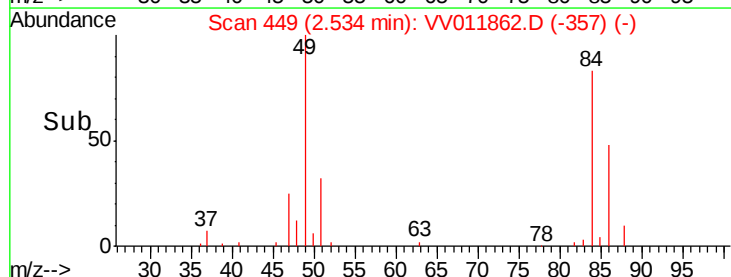
0

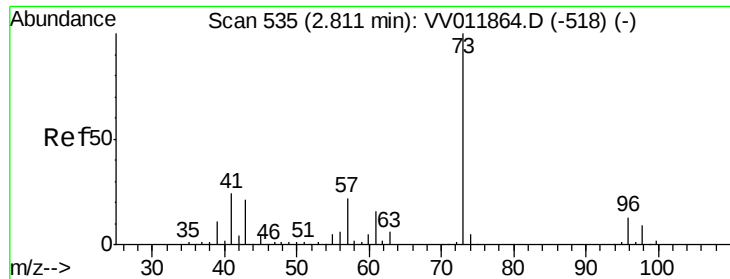
Time-->

2.50

2.53

2.55

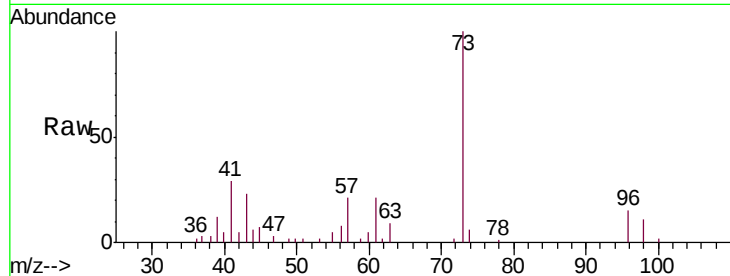




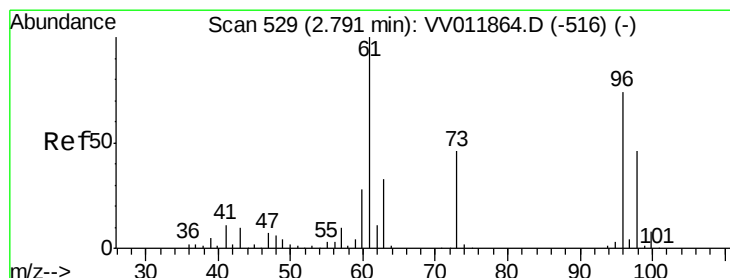
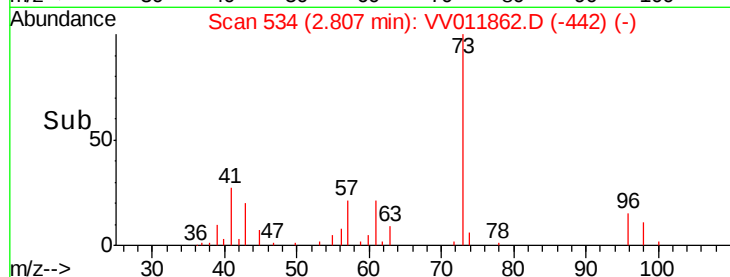
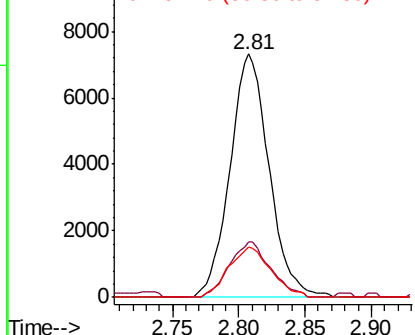
#17
Methyl tert-butyl Ether
Concen: 0.501 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion: 73 Resp: 14976
Ion Ratio Lower Upper
73 100
43 23.9 16.3 24.5
57 22.4 17.4 26.0

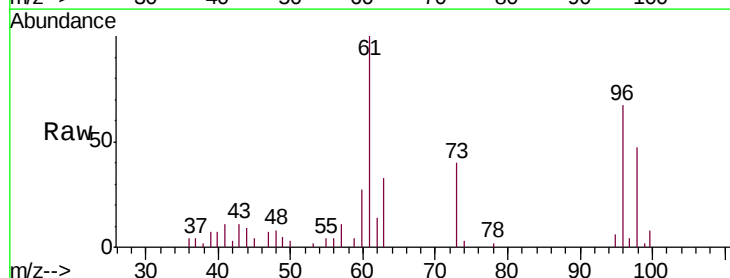


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

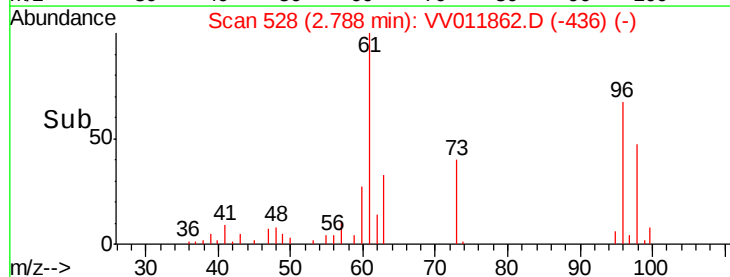
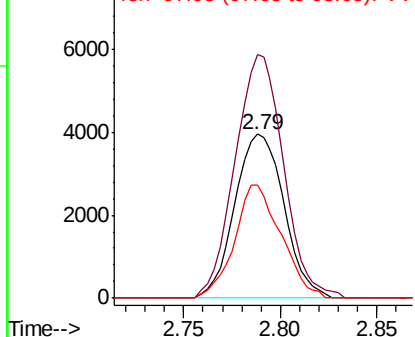


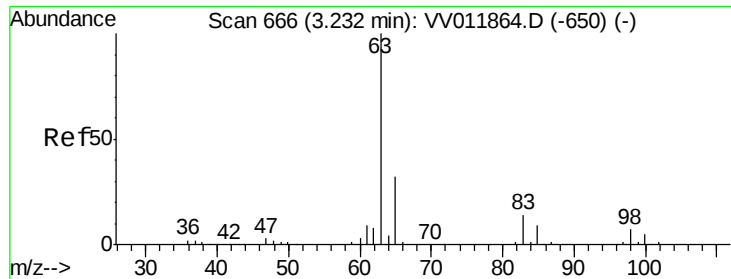
#18
trans-1,2-Dichloroethene
Concen: 0.528 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion: 96 Resp: 6992
Ion Ratio Lower Upper
96 100
61 148.7 94.8 176.2
98 69.3 43.4 80.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

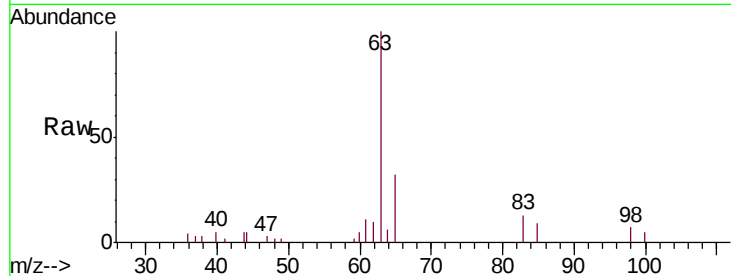




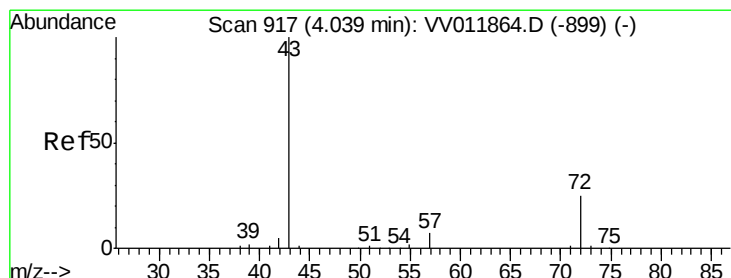
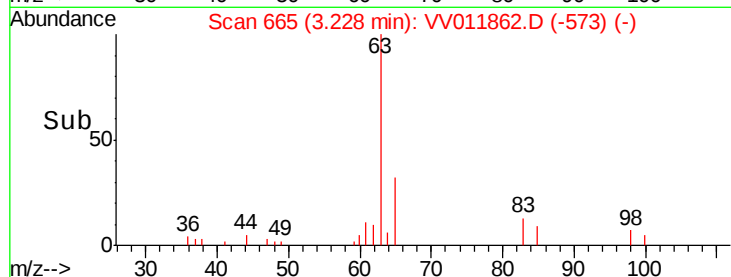
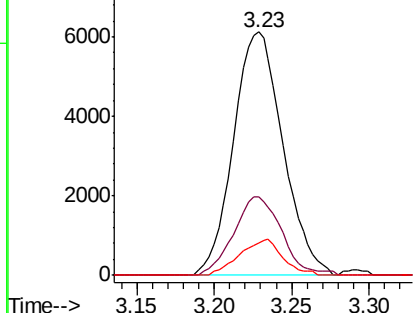
#19
 1,1-Dichloroethane
 Concen: 0.532 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion: 63 Resp: 13623
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.6 42.0
 83 13.2 10.0 18.6

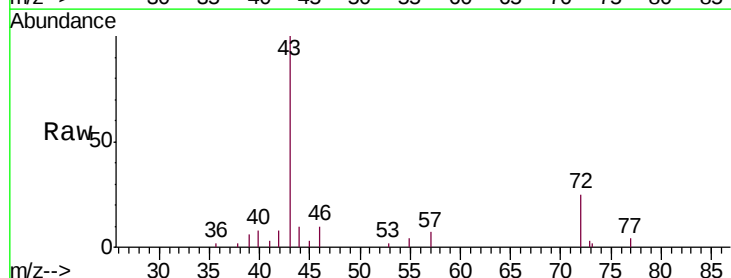


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

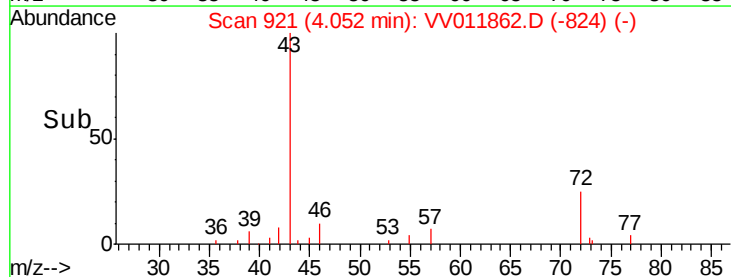
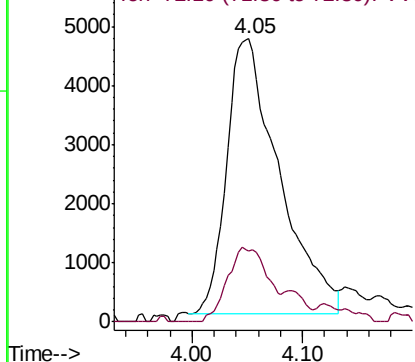


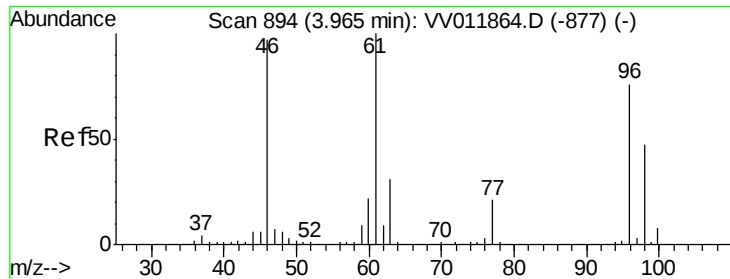
#21
 2-Butanone
 Concen: 4.409 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion: 43 Resp: 15417
 Ion Ratio Lower Upper
 43 100
 72 20.8 12.2 36.4



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



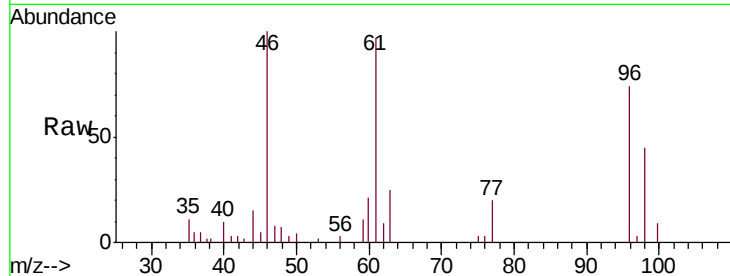


#22

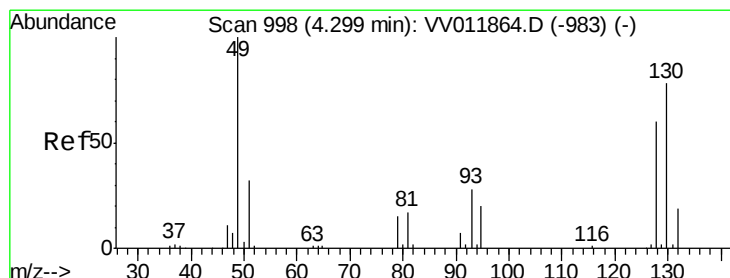
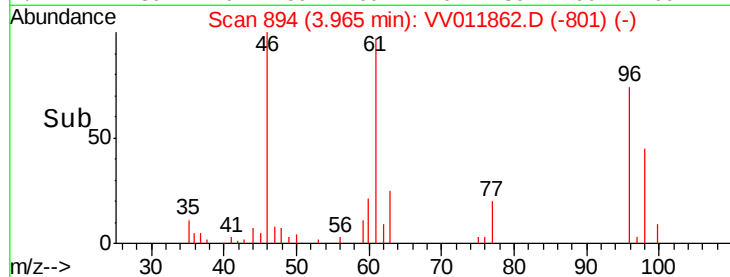
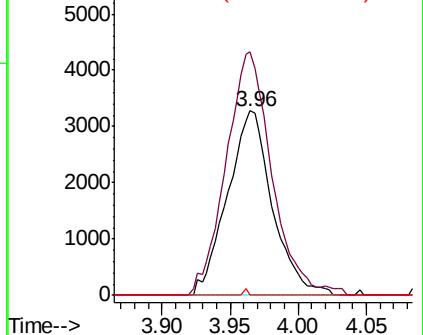
cis-1,2-Dichloroethene
 Concen: 0.533 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion: 96 Resp: 7488
 Ion Ratio Lower Upper
 96 100
 61 131.9 92.6 172.0
 68 0.0 0.0 0.0



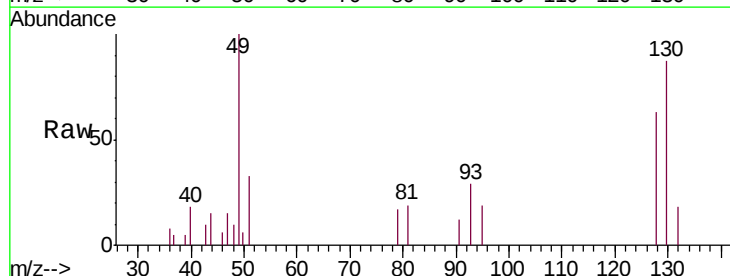
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



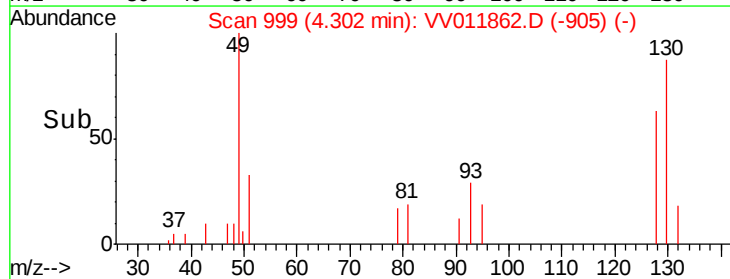
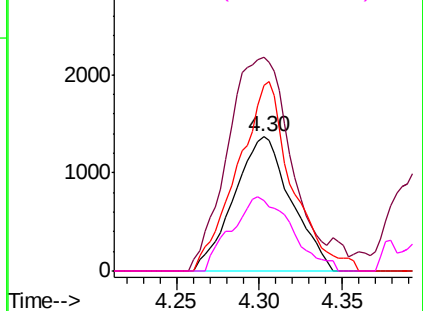
#23

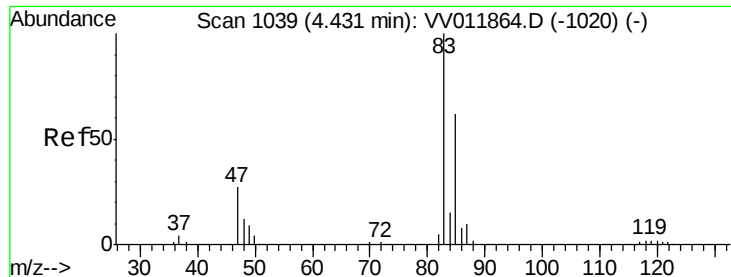
Bromochloromethane
 Concen: 0.561 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion: 128 Resp: 3285
 Ion Ratio Lower Upper
 128 100
 49 169.1 116.3 216.1
 130 138.3 90.3 167.7
 51 52.0 42.0 63.0



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

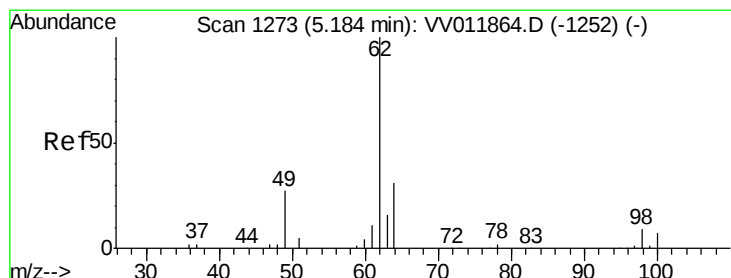
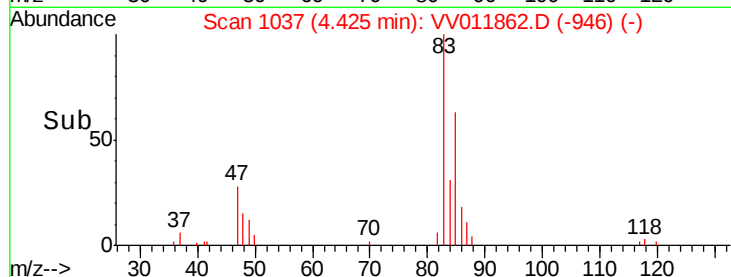
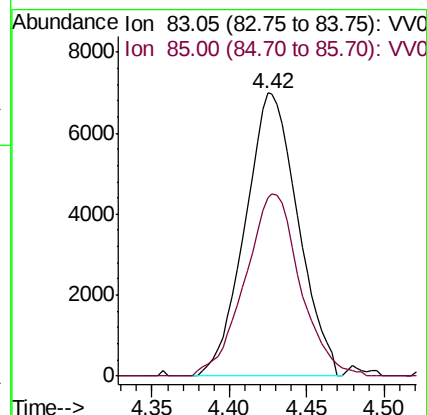
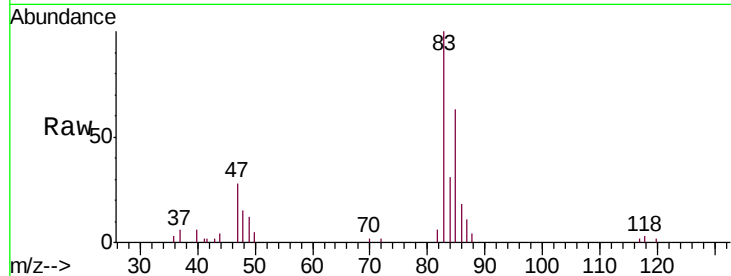




#25
Chloroform
Concen: 0.600 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

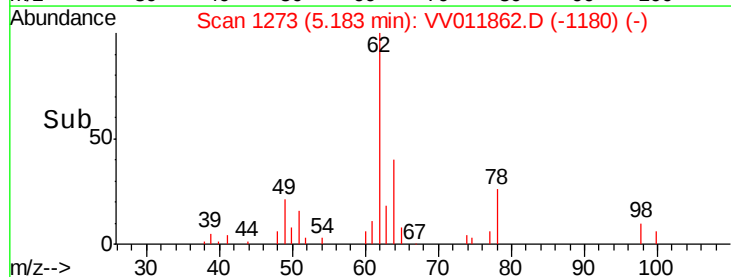
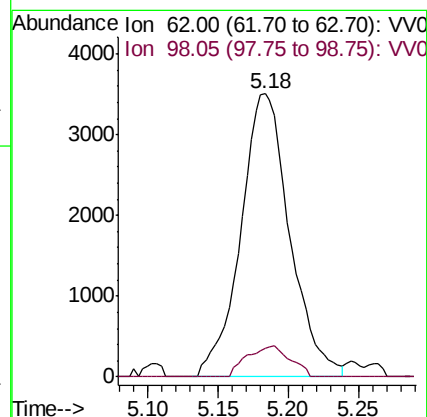
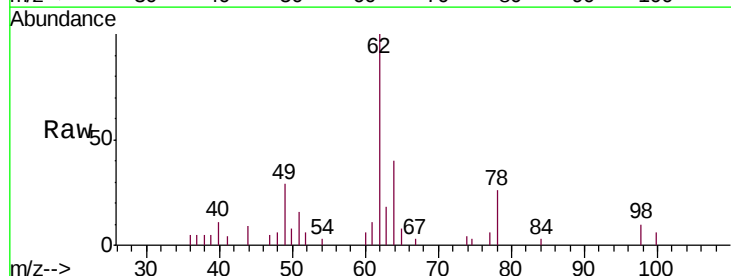
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

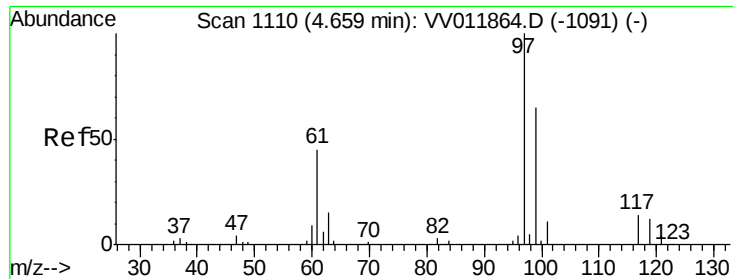
Tgt Ion: 83 Resp: 16646
Ion Ratio Lower Upper
83 100
85 63.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.505 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion: 62 Resp: 8538
Ion Ratio Lower Upper
62 100
98 9.9 7.5 11.3

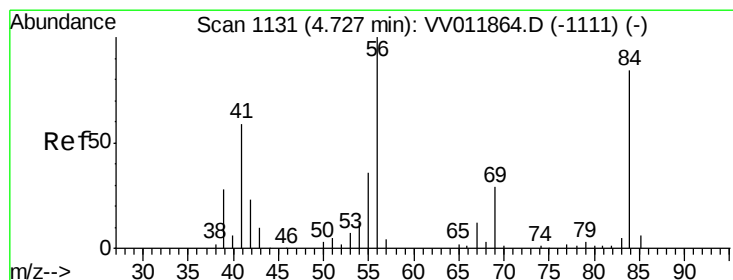
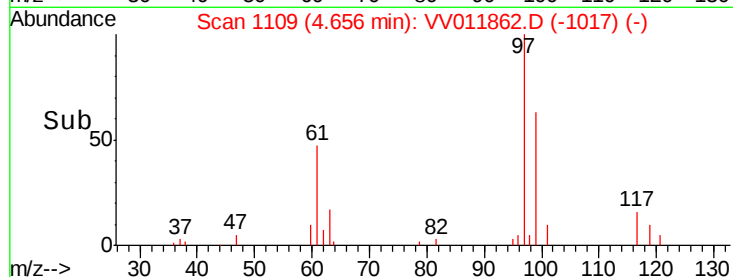
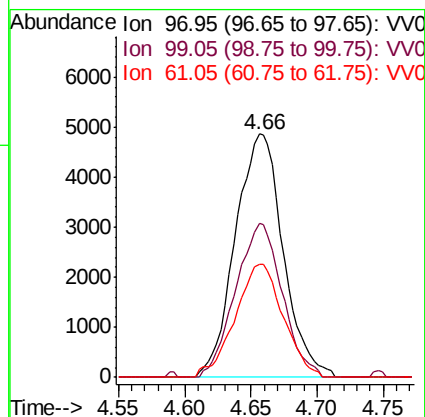
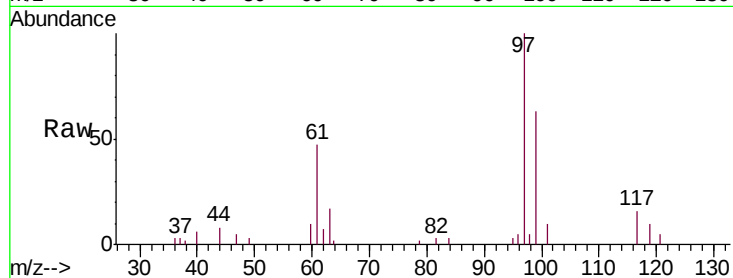




#29
1,1,1-Trichloroethane
Concen: 0.549 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

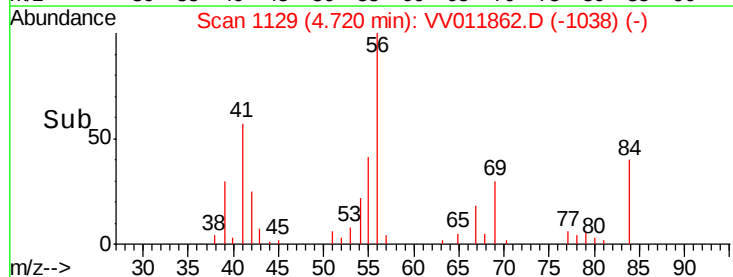
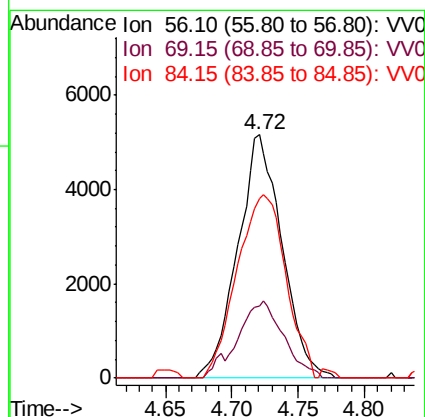
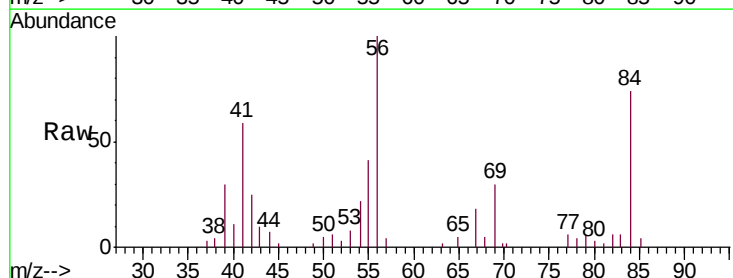
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

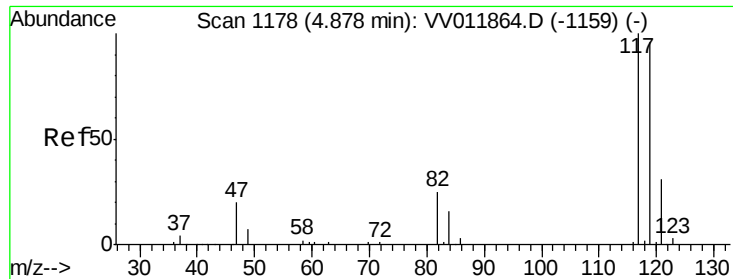
Tgt Ion: 97 Resp: 12201
Ion Ratio Lower Upper
97 100
99 61.7 51.3 76.9
61 46.7 35.8 53.8



#30
Cyclohexane
Concen: 0.512 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion: 56 Resp: 11994
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.4
84 83.2 69.6 104.4





#31

Carbon tetrachloride

Concen: 0.494 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

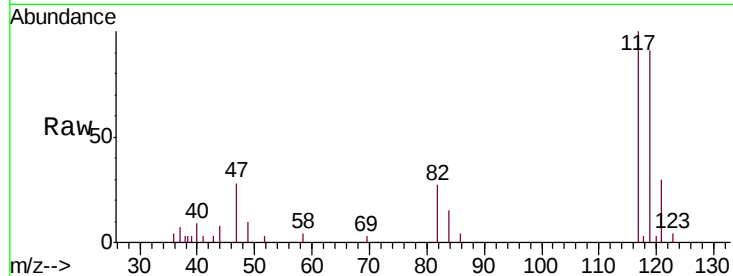
VSTD0.535

Tgt Ion:117 Resp: 9439

Ion Ratio Lower Upper

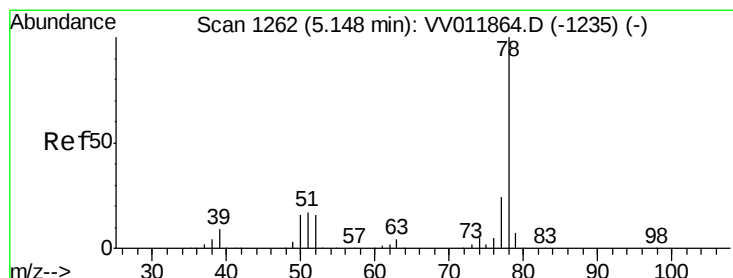
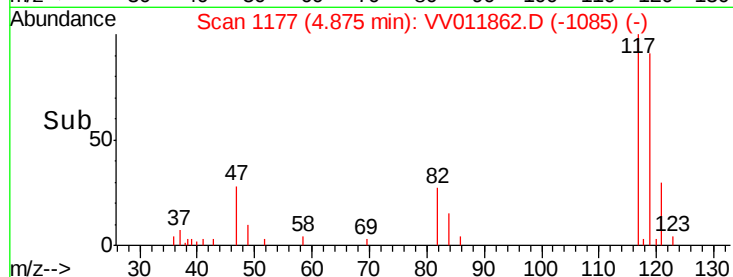
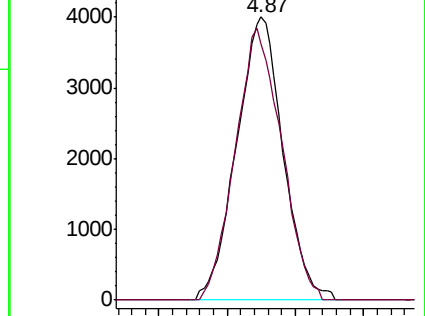
117 100

119 95.7 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.474 ug/L

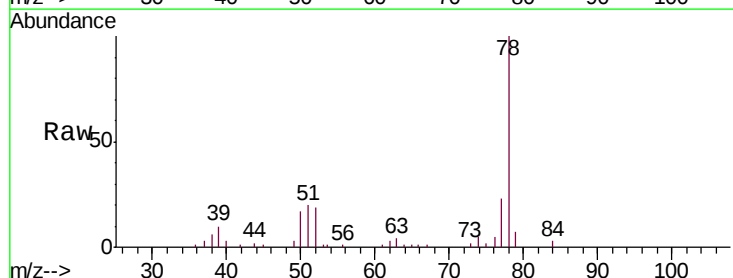
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

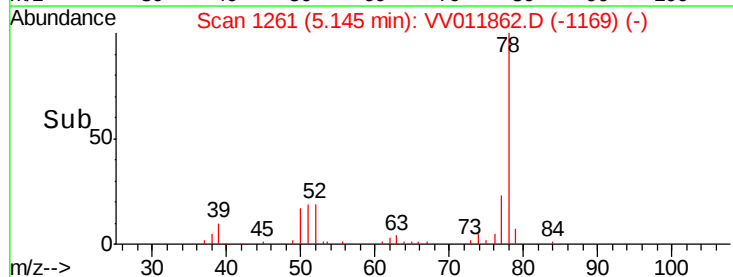
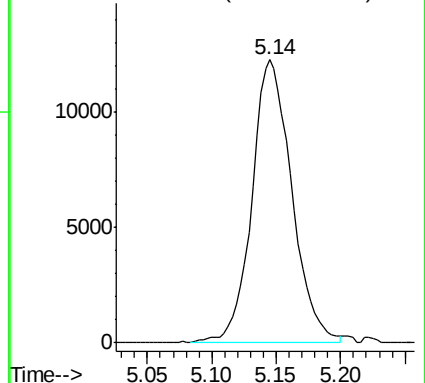
Lab File: VV011862.D

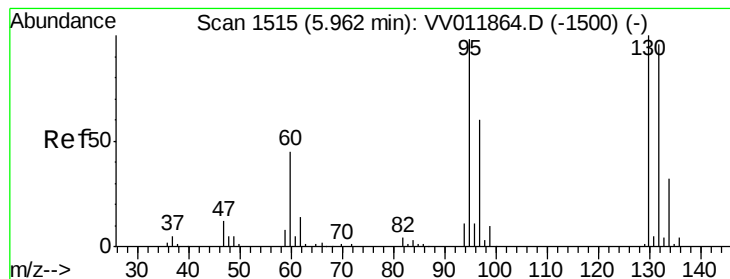
Acq: 12 Jul 2019 10:34

Tgt Ion: 78 Resp: 26528



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.578 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion: 95 Resp: 8596

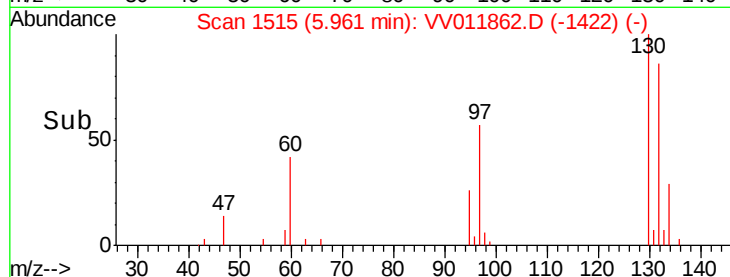
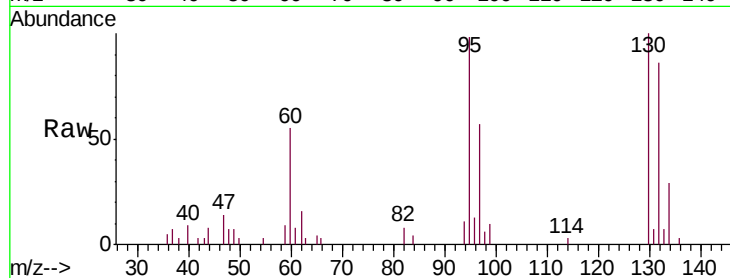
Ion Ratio Lower Upper

95 100

97 58.3 43.2 80.2

132 87.5 68.8 127.8

130 102.2 71.7 133.1

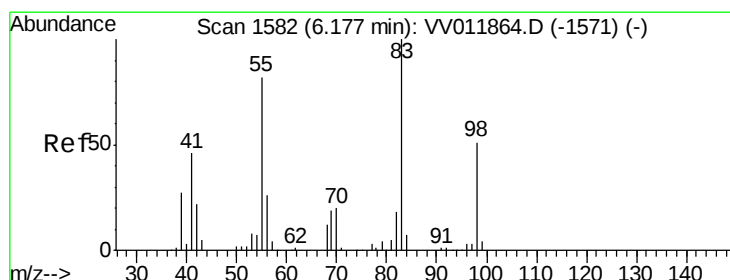
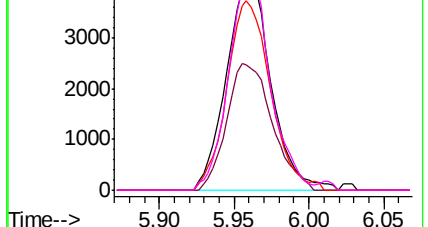


Abundance Ion 95.00 (94.70 to 95.70): VV011862.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV011862.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV011862.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV011862.D (-1422) (-)



#35

Methylcyclohexane

Concen: 0.442 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

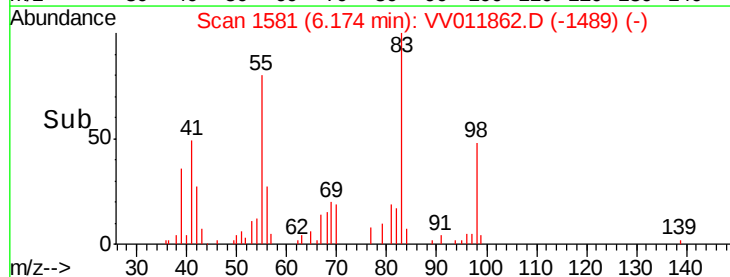
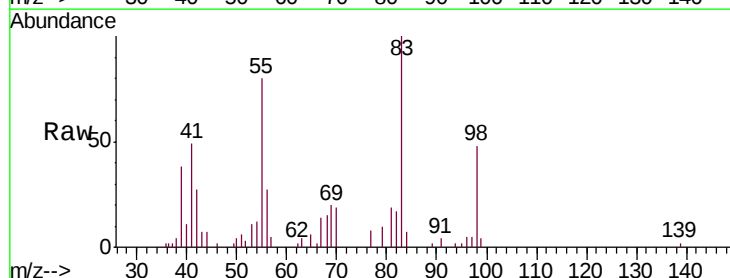
Tgt Ion: 83 Resp: 10649

Ion Ratio Lower Upper

83 100

55 89.3 63.6 95.4

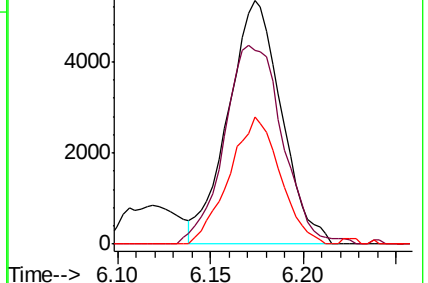
98 49.8 39.1 58.7

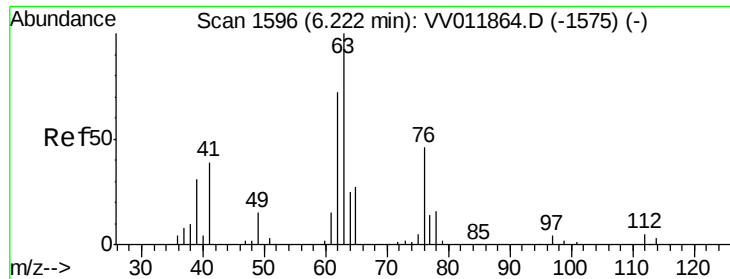


Abundance Ion 83.15 (82.85 to 83.85): VV011862.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV011862.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV011862.D (-1489) (-)

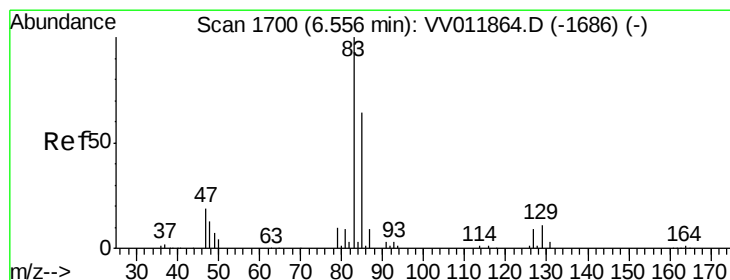
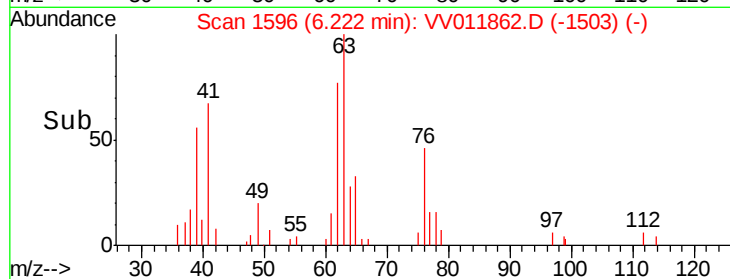
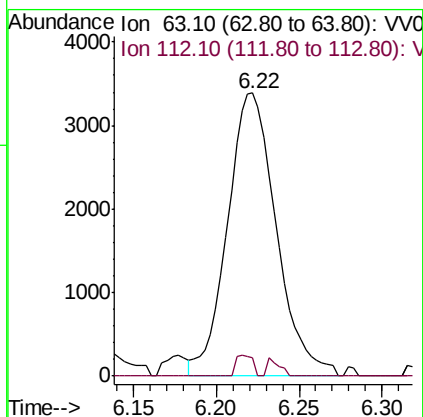
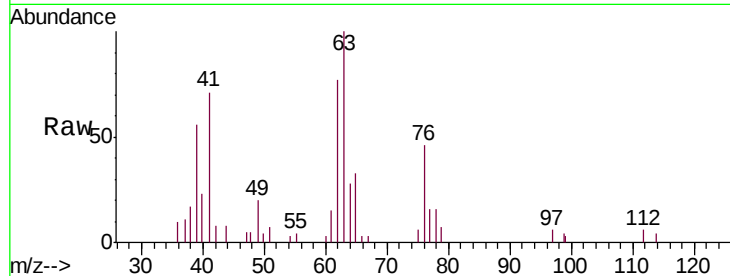




#37
 1,2-Dichloropropane
 Concen: 0.483 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

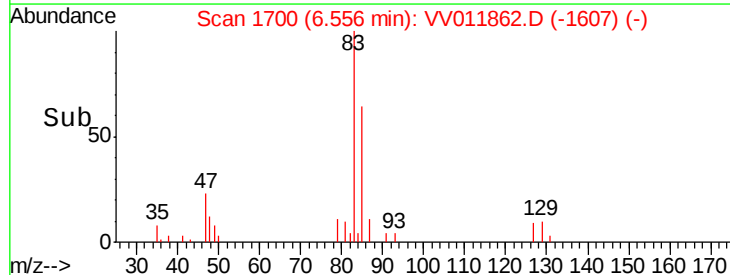
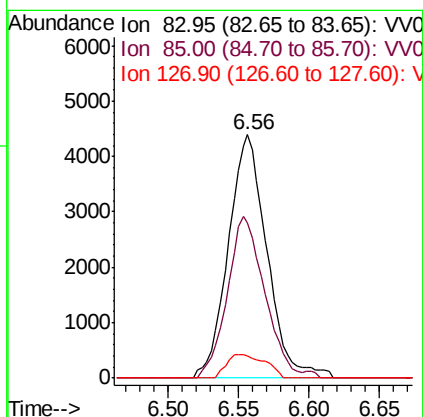
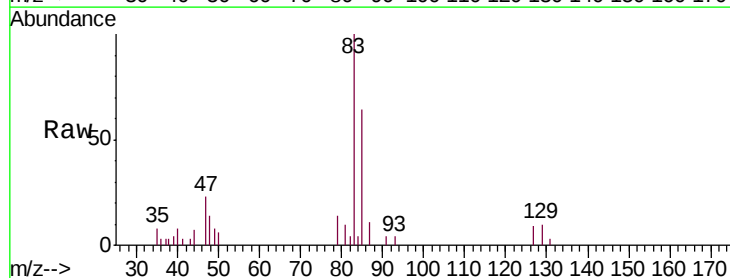
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

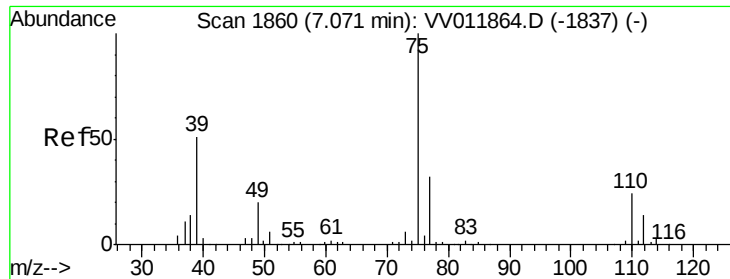
Tgt Ion: 63 Resp: 6939
 Ion Ratio Lower Upper
 63 100
 112 2.6 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 0.494 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion: 83 Resp: 8404
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.5 82.7
 127 9.1 7.4 11.0

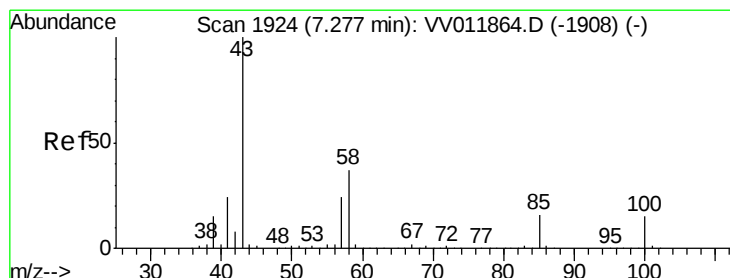
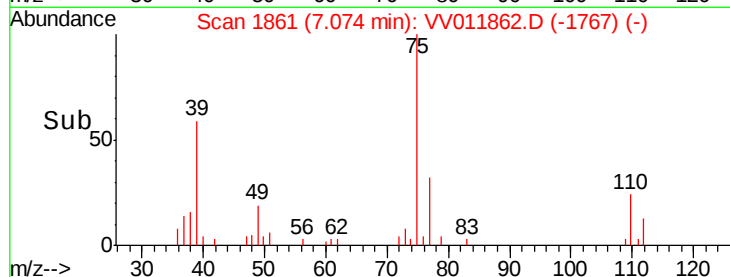
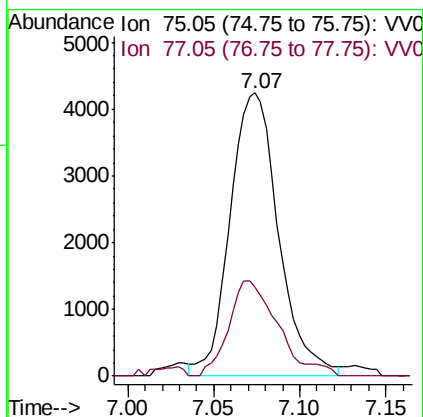
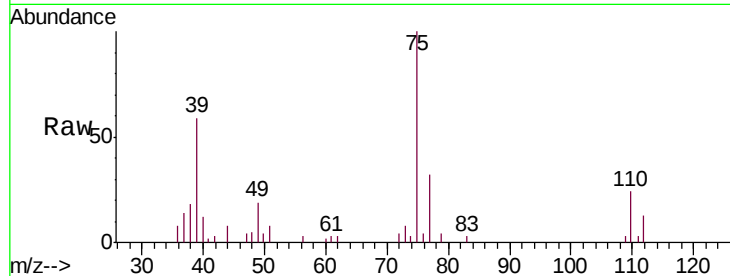




#39
 cis-1,3-Dichloropropene
 Concen: 0.427 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

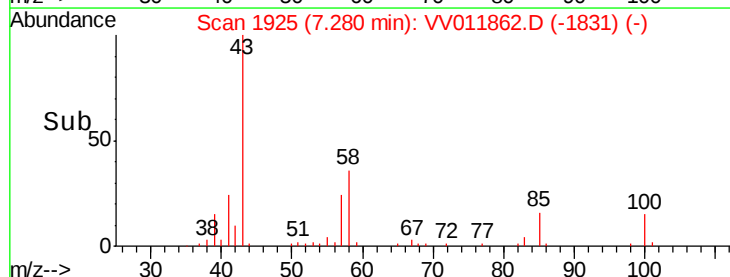
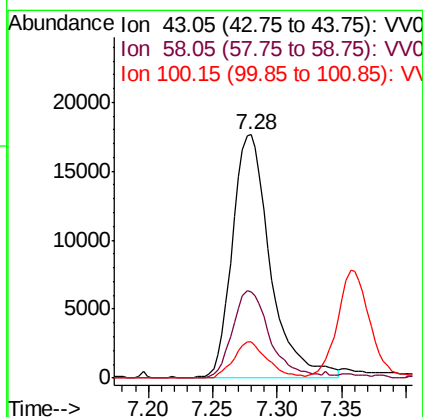
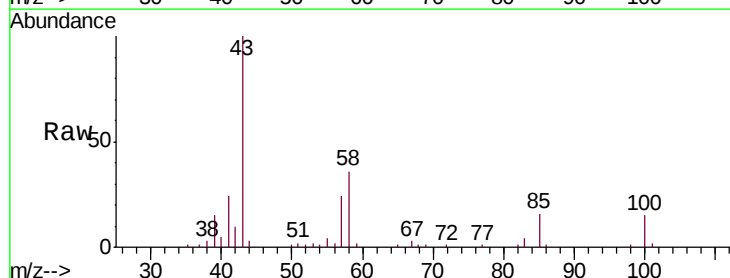
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

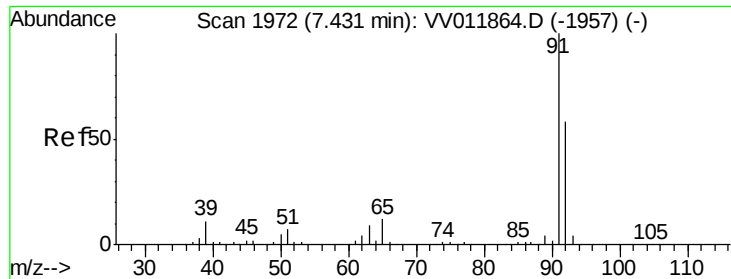
Tgt Ion: 75 Resp: 8344
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 4.072 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion: 43 Resp: 36176
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.1 43.7
 100 13.4 11.2 16.8





#42

Toluene

Concen: 0.436 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

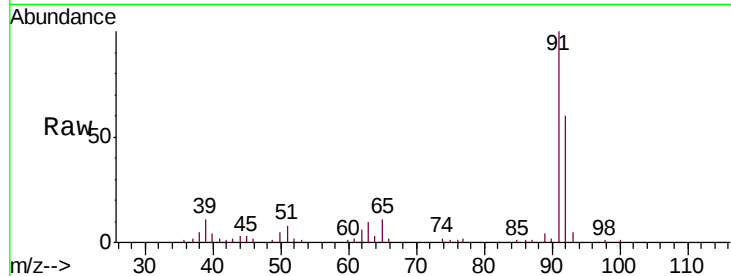
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion: 91 Resp: 26020

Ion Ratio Lower Upper

91 100

92 60.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV011862.D (-1879) (-)

Ion 92.15 (91.85 to 92.85): VV011862.D (-1879) (-)

7.43

15000

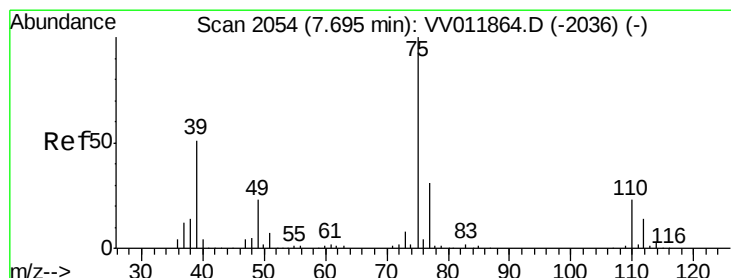
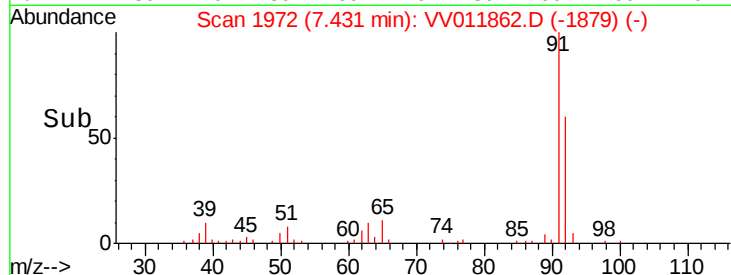
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.423 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV011862.D

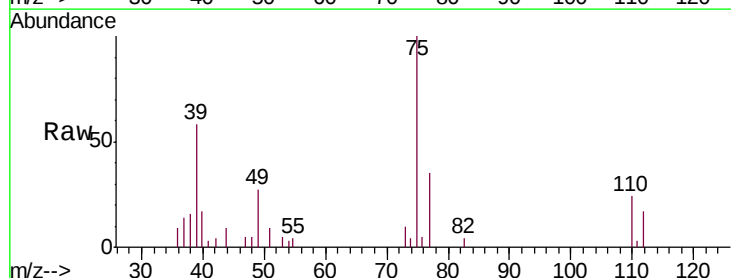
Acq: 12 Jul 2019 10:34

Tgt Ion: 75 Resp: 6320

Ion Ratio Lower Upper

75 100

77 34.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV011862.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV011862.D (-1961) (-)

7.70

3000

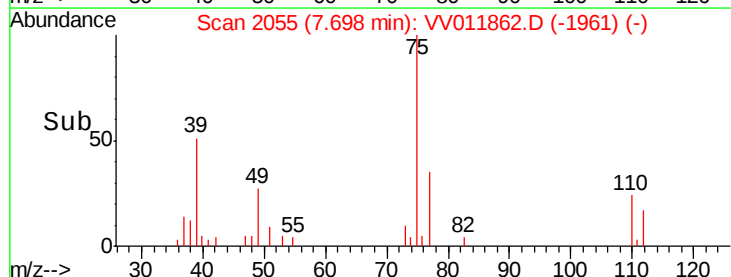
2000

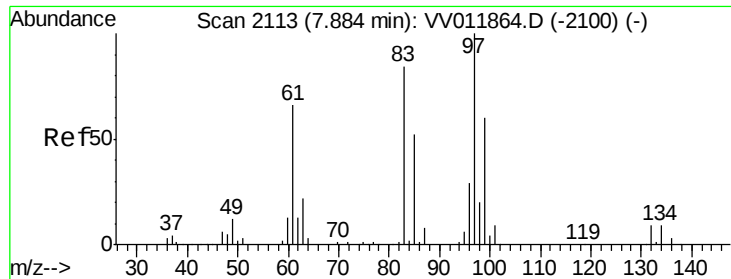
1000

0

7.60 7.65 7.70 7.75 7.80

Time-->

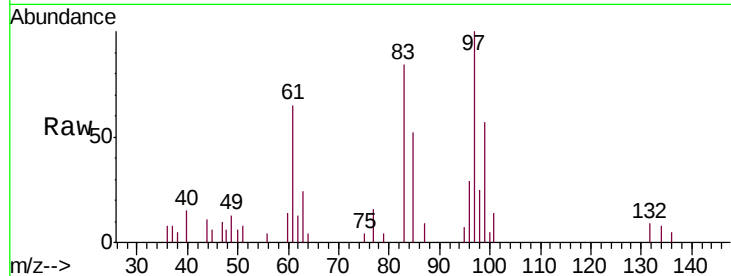




#45
 1,1,2-Trichloroethane
 Concen: 0.508 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion:	97	Resp:	4728
Ion	Ratio	Lower	Upper
97	100		
99	56.9	42.2	78.4
83	84.1	58.4	108.6
85	52.0	36.3	67.5



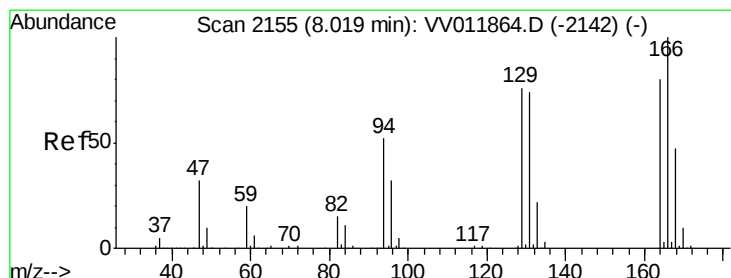
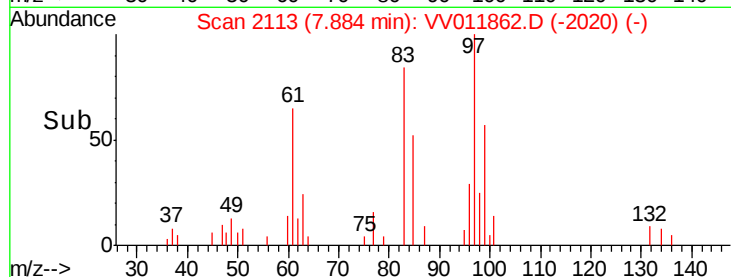
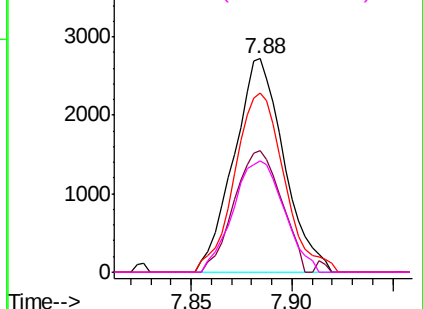
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

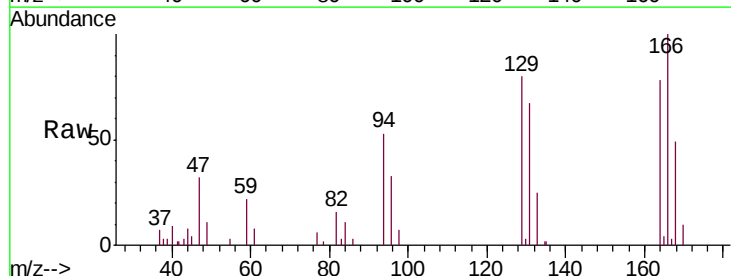
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.485 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion:	164	Resp:	5624
Ion	Ratio	Lower	Upper
164	100		
129	102.6	66.1	122.8
131	85.9	64.8	120.4
166	127.5	87.3	162.1



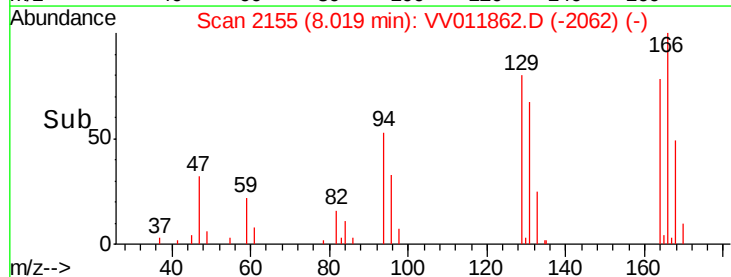
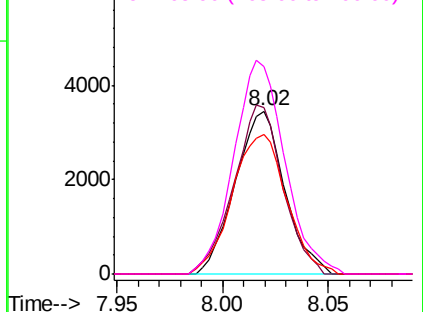
Abundance

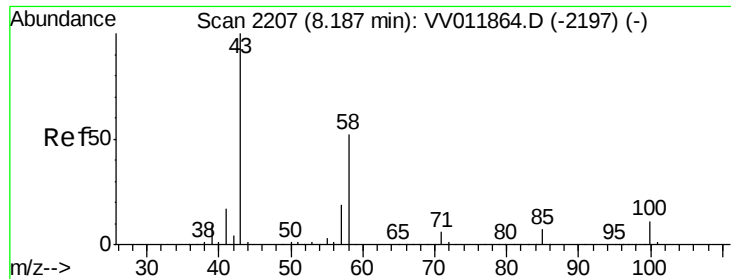
Ion 163.90 (163.60 to 164.60): V

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

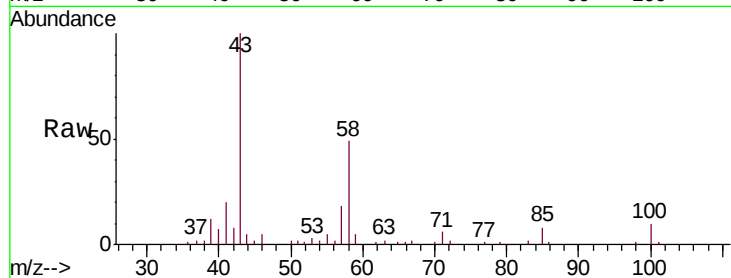




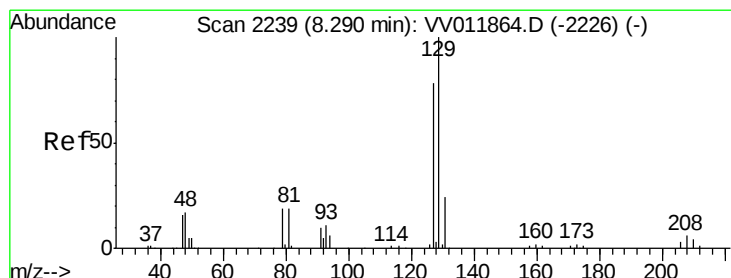
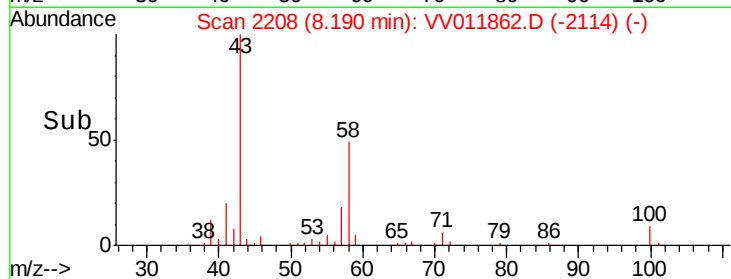
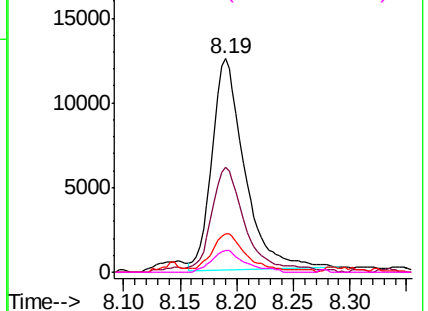
#48
2-Hexanone
Concen: 3.983 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Instrument :
MSVOA_V
ClientSampled :
VSTD0.535

Tgt Ion: 43 Resp: 24972
Ion Ratio Lower Upper
43 100
58 52.6 40.6 61.0
57 19.3 14.4 21.6
100 10.5 8.8 13.2

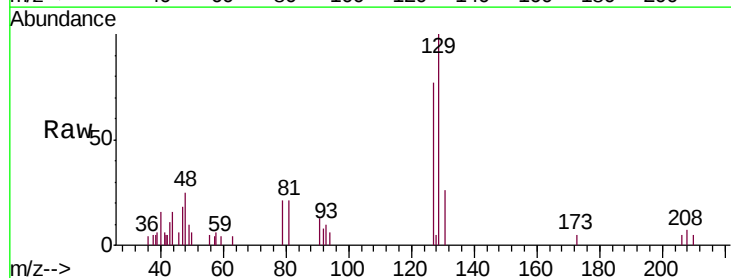


Abundance Ion 43.05 (42.75 to 43.75): VV011862.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV011862.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV011862.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV011862.D (-2197) (-)

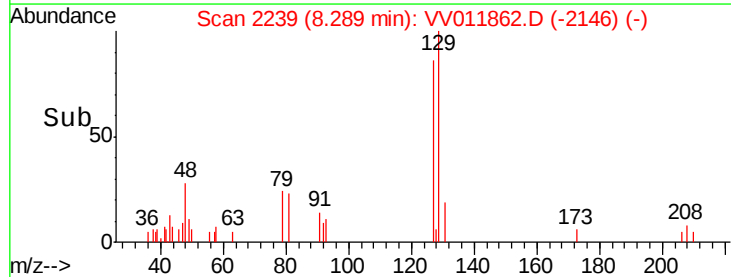
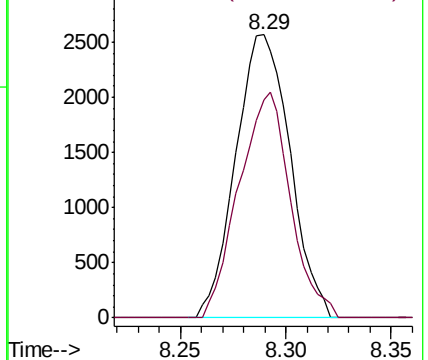


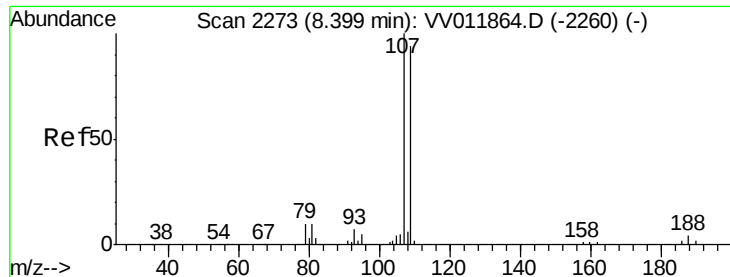
#49
Dibromochloromethane
Concen: 0.464 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion: 129 Resp: 4592
Ion Ratio Lower Upper
129 100
127 77.2 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV011862.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV011862.D (-2226) (-)

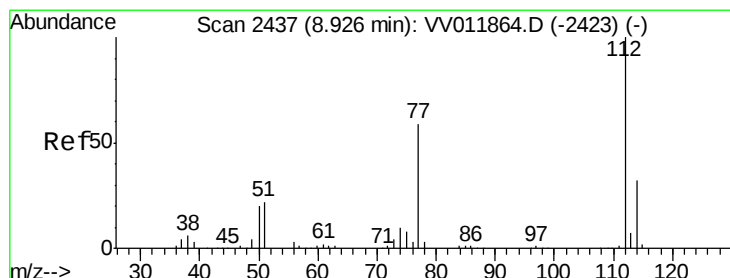
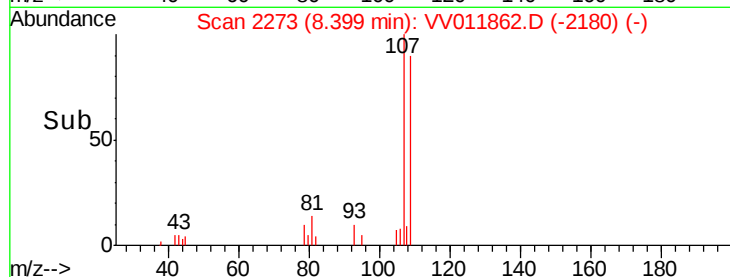
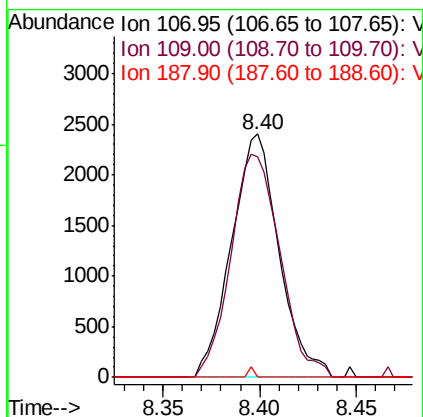
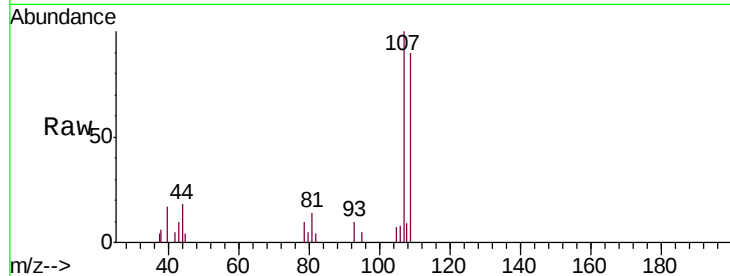




#50
1,2-Dibromoethane
Concen: 0.477 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

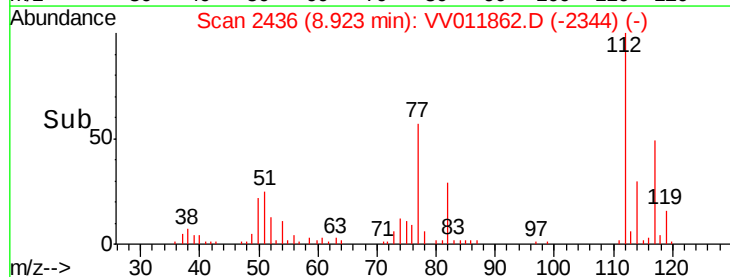
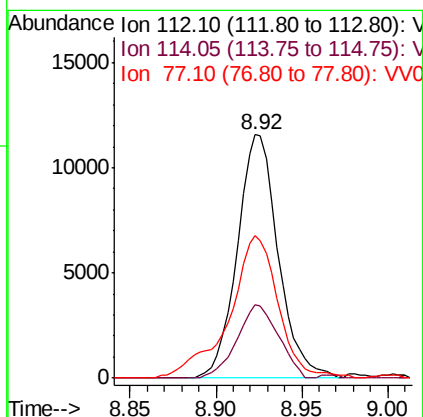
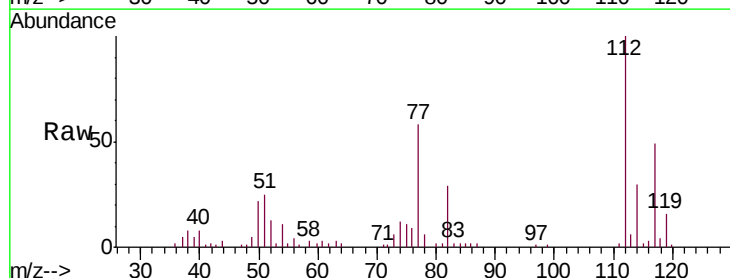
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

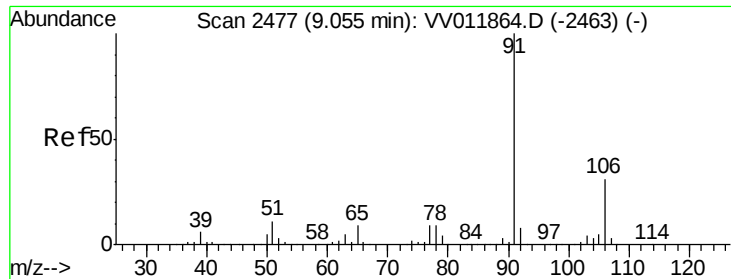
Tgt Ion:107 Resp: 4108
Ion Ratio Lower Upper
107 100
109 90.4 65.7 122.1
188 0.0 3.0 4.6#



#51
Chlorobenzene
Concen: 0.507 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion:112 Resp: 19150
Ion Ratio Lower Upper
112 100
114 30.4 22.1 41.1
77 58.4 47.4 71.0





#52

Ethylbenzene

Concen: 0.432 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

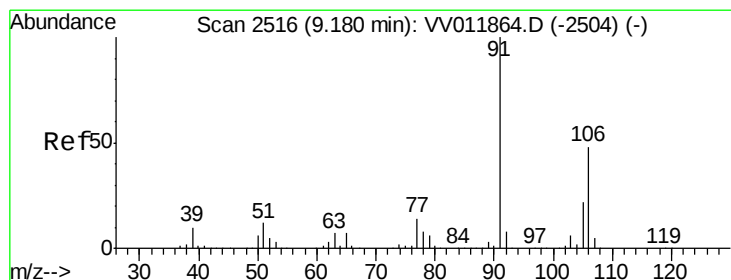
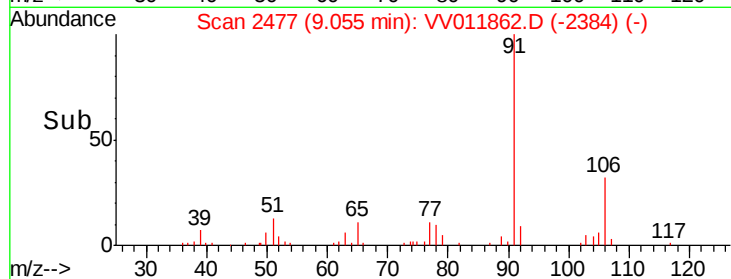
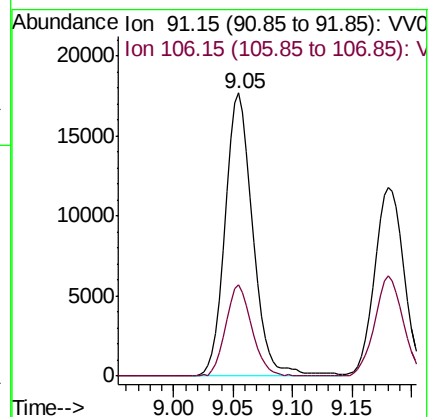
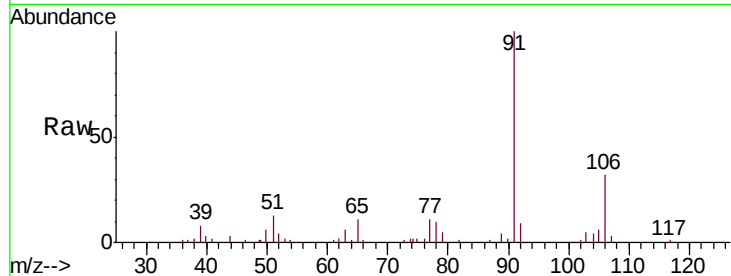
VSTD0.535

Tgt Ion: 91 Resp: 28597

Ion Ratio Lower Upper

91 100

106 32.1 21.6 40.2



#53

m,p-xylene

Concen: 0.430 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011862.D

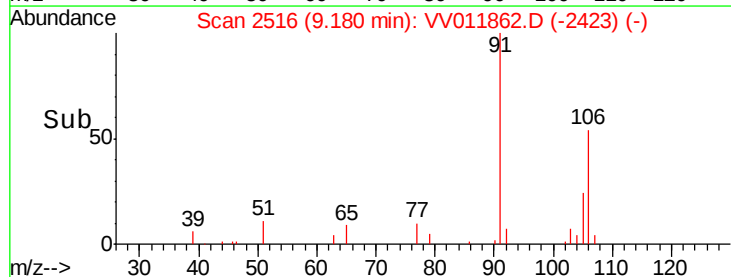
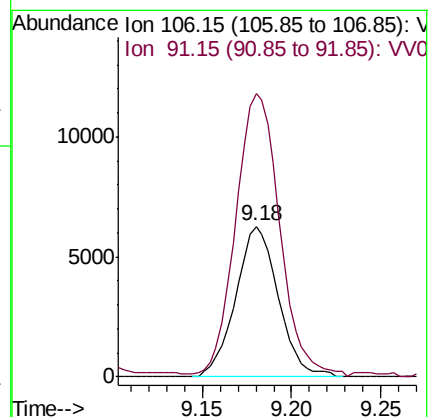
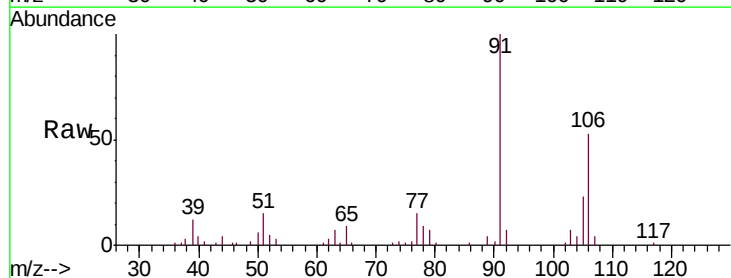
Acq: 12 Jul 2019 10:34

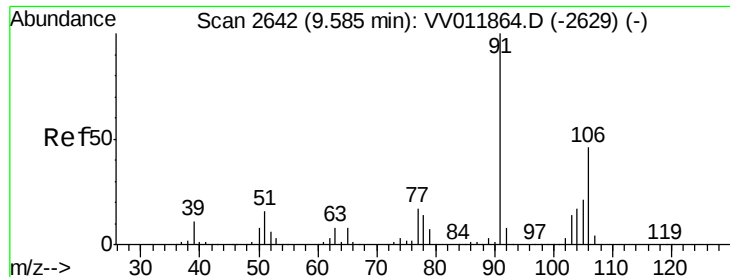
Tgt Ion: 106 Resp: 10460

Ion Ratio Lower Upper

106 100

91 188.0 145.0 269.2

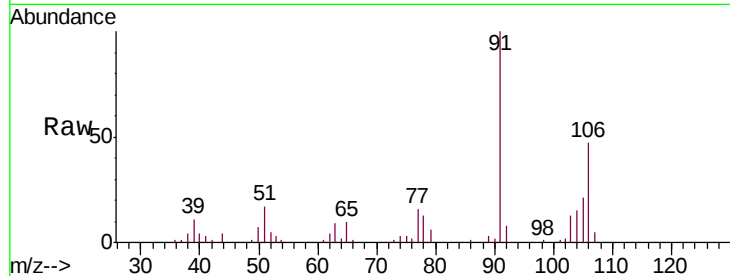




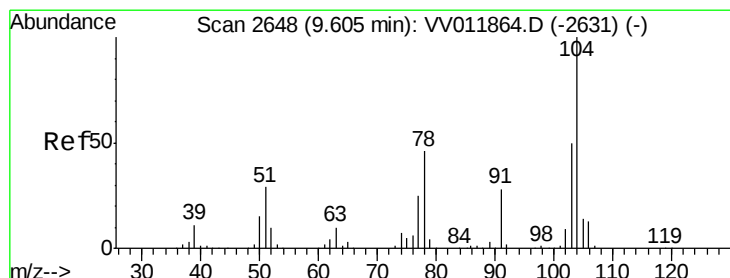
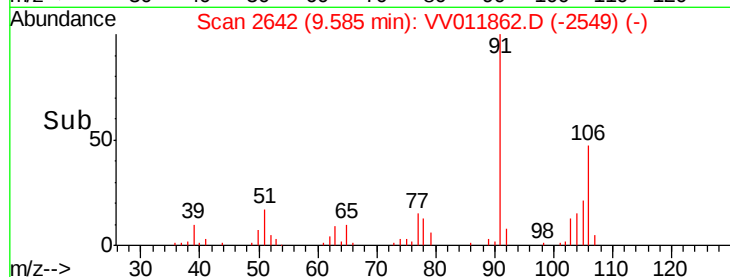
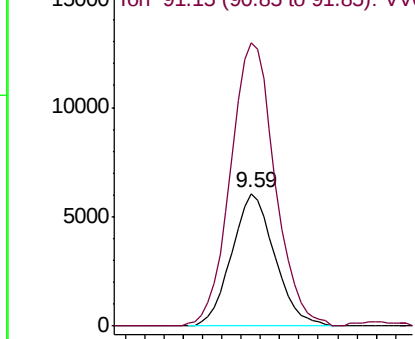
#54
o-xylene
Concen: 0.402 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:106 Resp: 9387
Ion Ratio Lower Upper
106 100
91 213.8 152.9 283.9

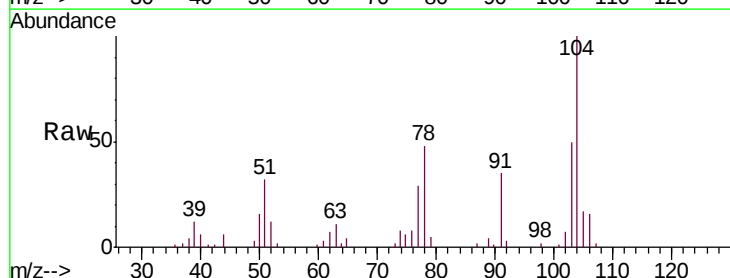


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

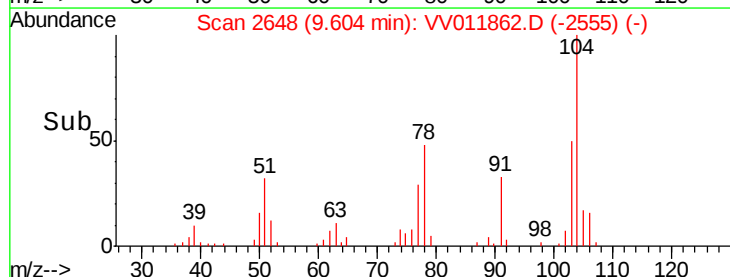
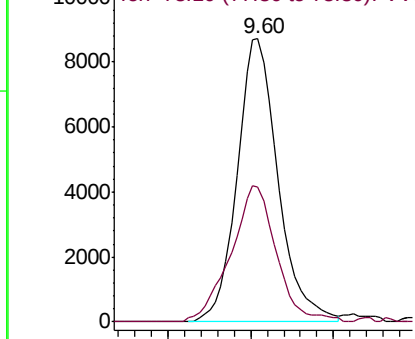


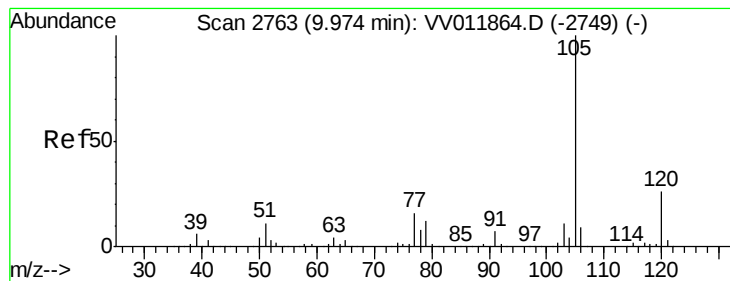
#55
Styrene
Concen: 0.381 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011862.D
Acq: 12 Jul 2019 10:34

Tgt Ion:104 Resp: 14944
Ion Ratio Lower Upper
104 100
78 47.5 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.419 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

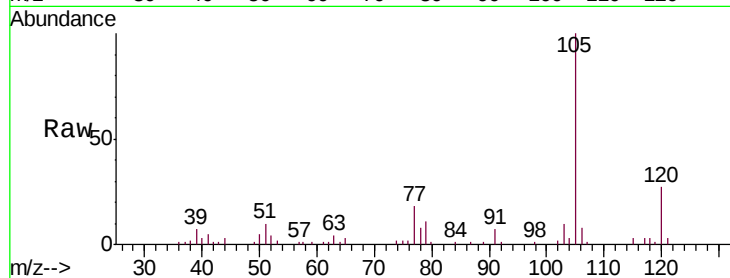
Tgt Ion:105 Resp: 26467

Ion Ratio Lower Upper

105 100

120 25.1 20.9 31.3

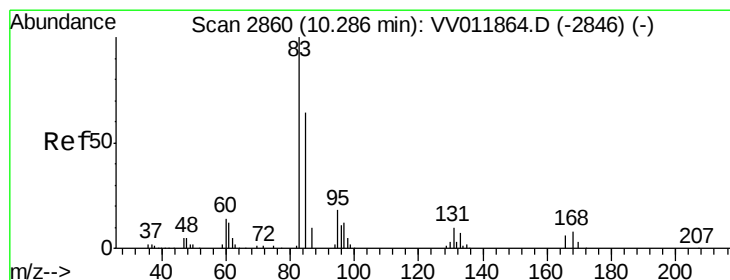
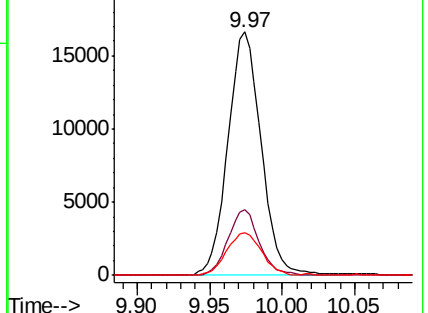
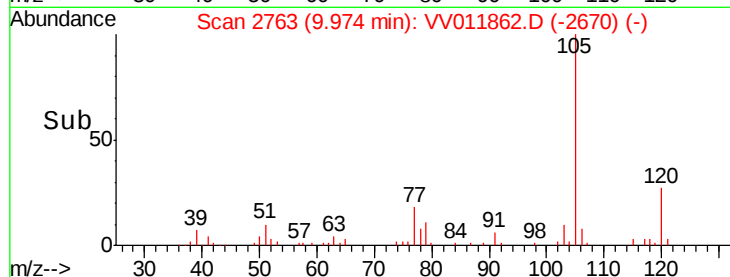
77 18.3 13.2 19.8



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: 0.354 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

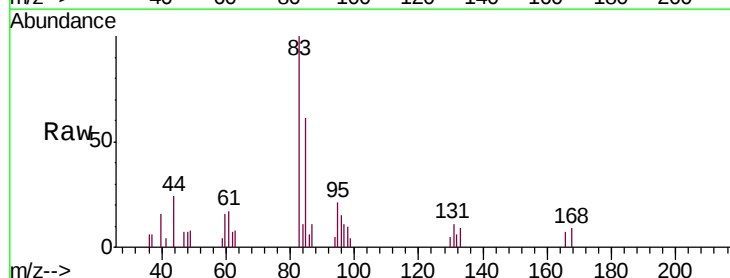
Tgt Ion: 83 Resp: 3895

Ion Ratio Lower Upper

83 100

85 61.3 45.0 83.6

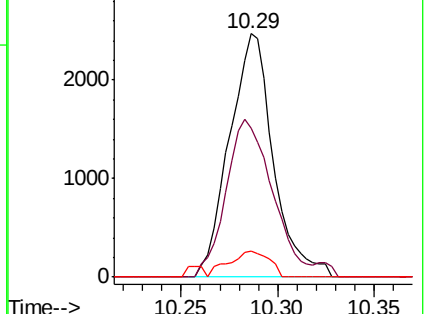
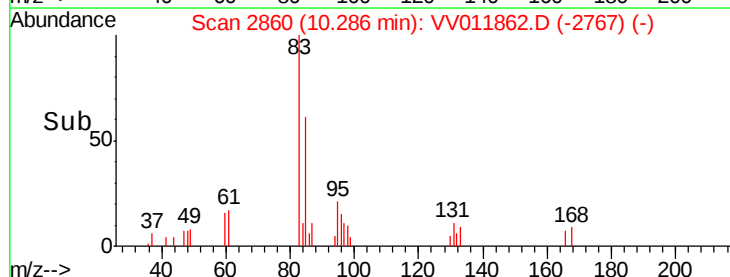
131 10.6 8.3 12.5

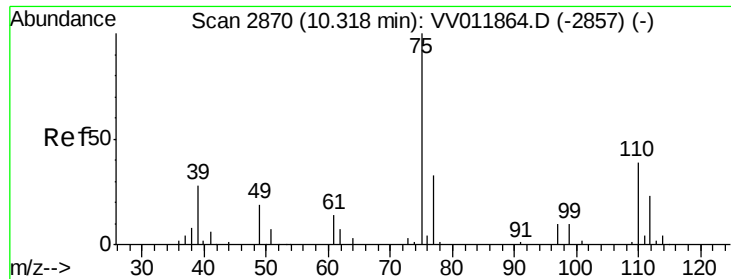


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

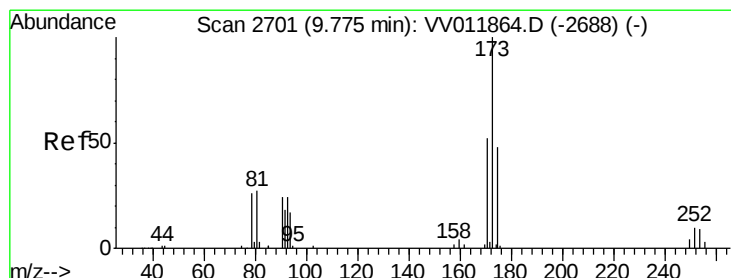
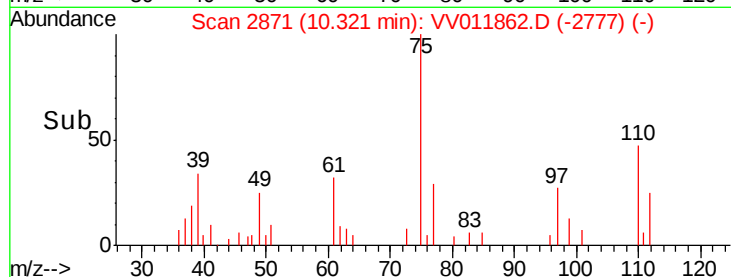
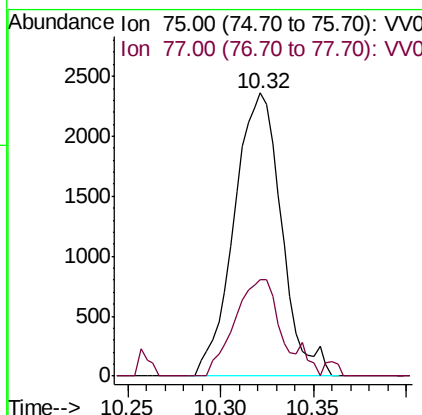
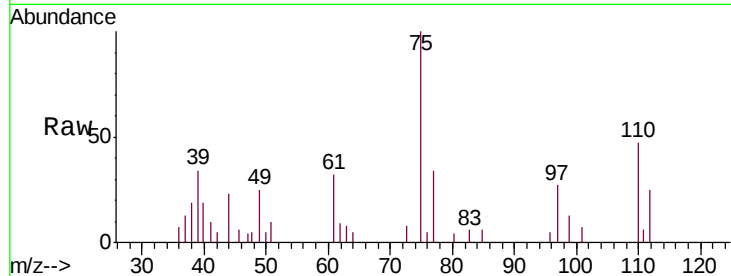




#59
 1,2,3-Trichloropropane
 Concen: 0.503 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

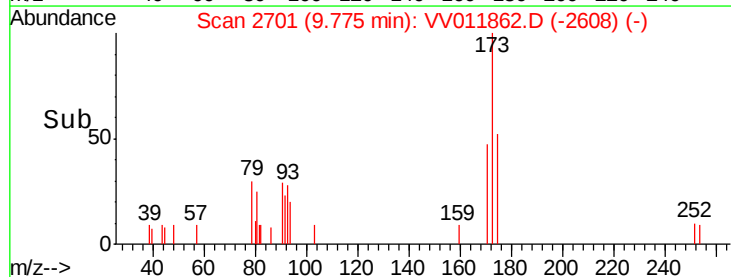
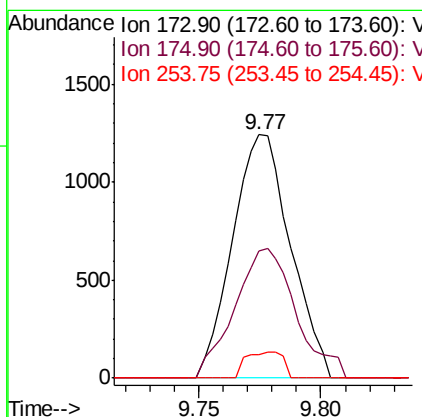
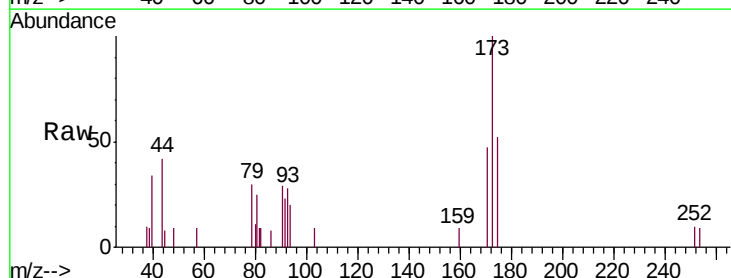
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

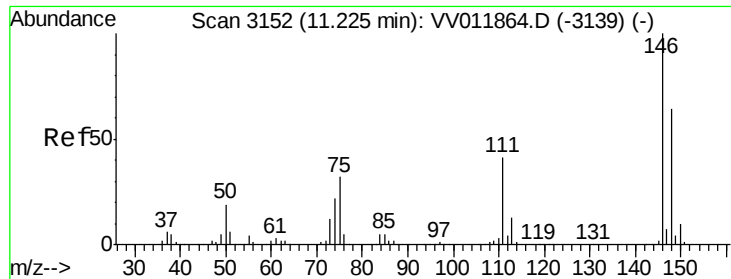
Tgt Ion: 75 Resp: 4195
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.8 38.6



#61
 Bromoform
 Concen: 0.442 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion: 173 Resp: 2047
 Ion Ratio Lower Upper
 173 100
 175 56.4 39.4 59.0
 254 6.8 7.4 11.0#





#62

1,3-Dichlorobenzene

Concen: 0.483 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

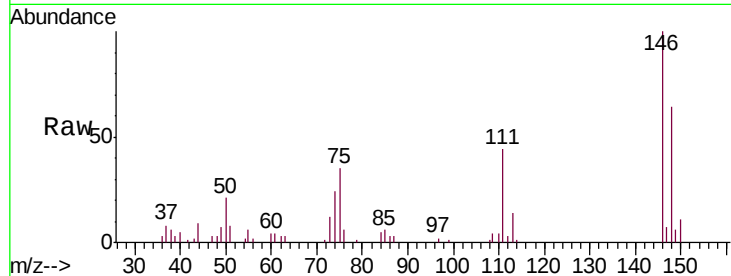
Tgt Ion:146 Resp: 12881

Ion Ratio Lower Upper

146 100

111 43.9 28.8 53.4

148 64.1 44.6 82.8

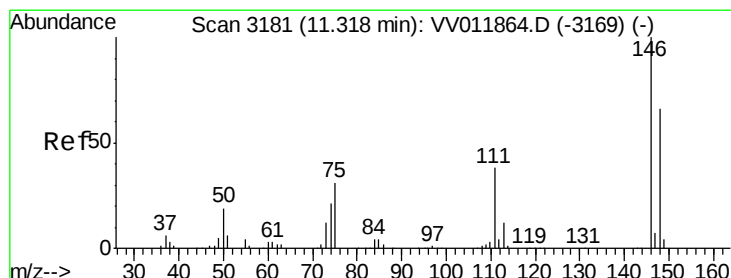
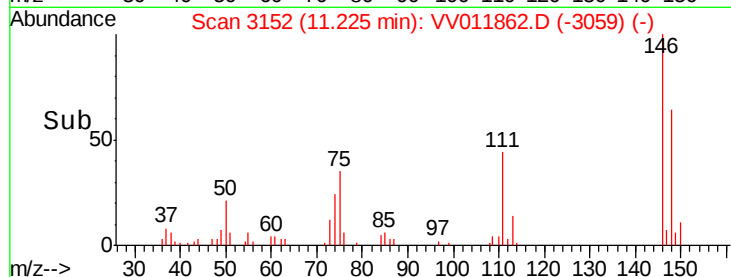
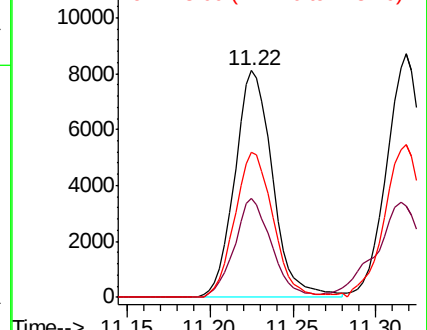


Abundance

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: 0.501 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

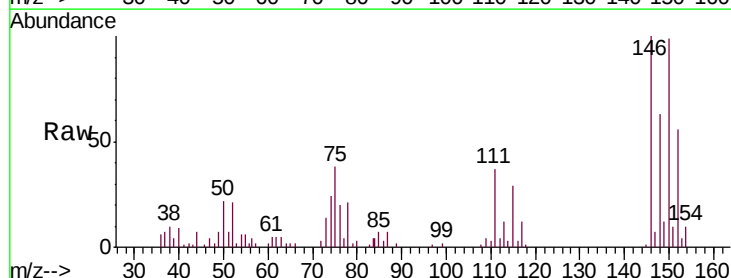
Tgt Ion:146 Resp: 13691

Ion Ratio Lower Upper

146 100

111 37.5 26.6 49.4

148 62.5 46.0 85.4

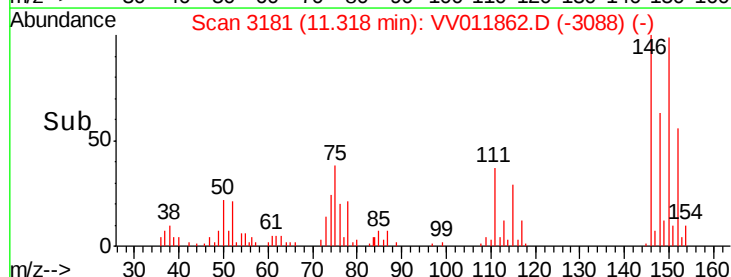
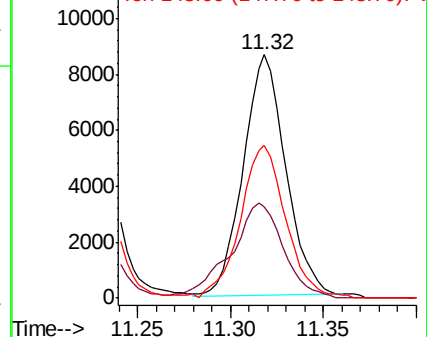


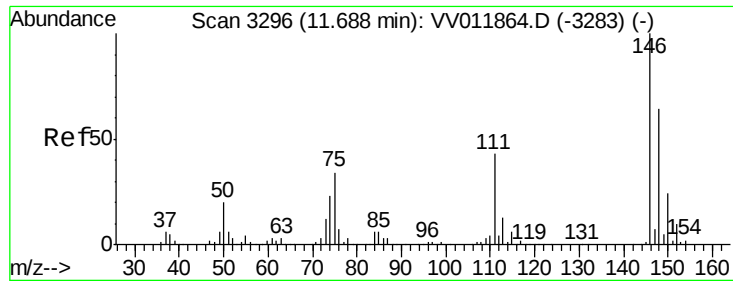
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.487 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

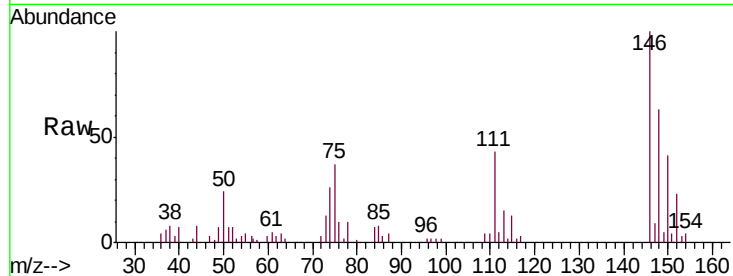
Tgt Ion:146 Resp: 12284

Ion Ratio Lower Upper

146 100

111 42.6 34.7 52.1

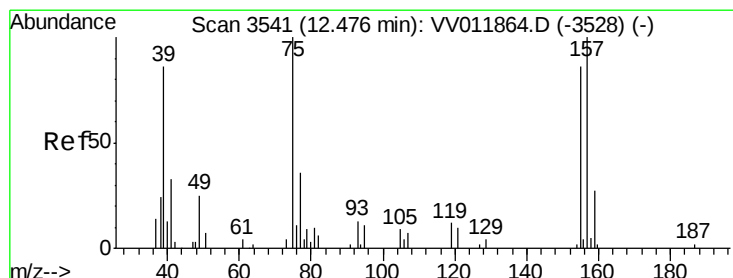
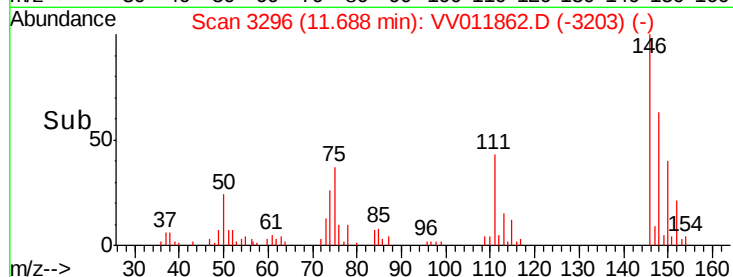
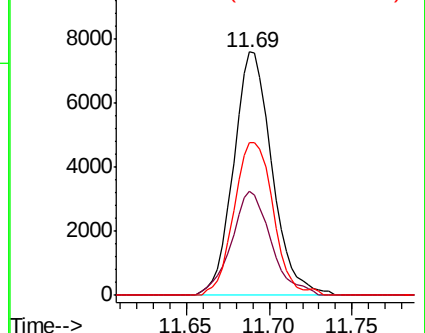
148 62.8 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.571 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

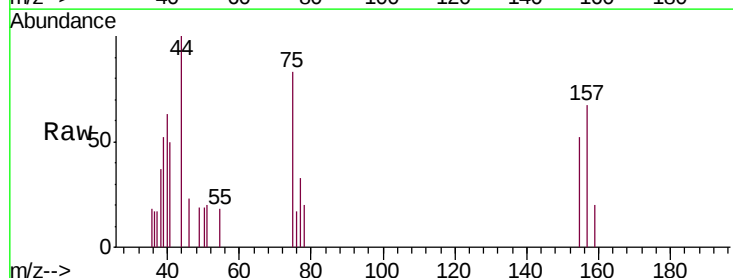
Tgt Ion: 75 Resp: 907

Ion Ratio Lower Upper

75 100

155 62.4 68.7 103.1#

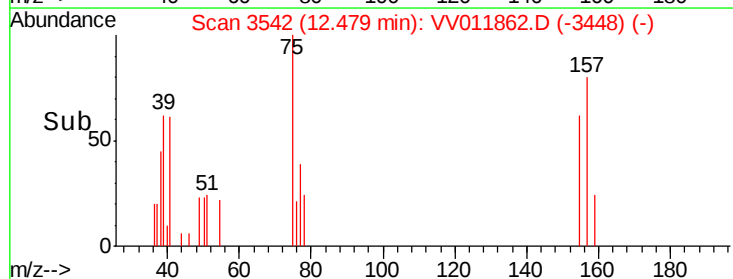
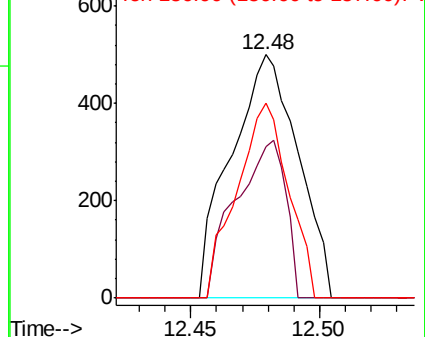
157 80.2 80.2 120.2

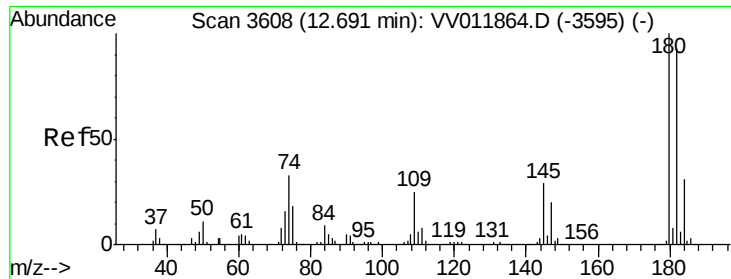


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

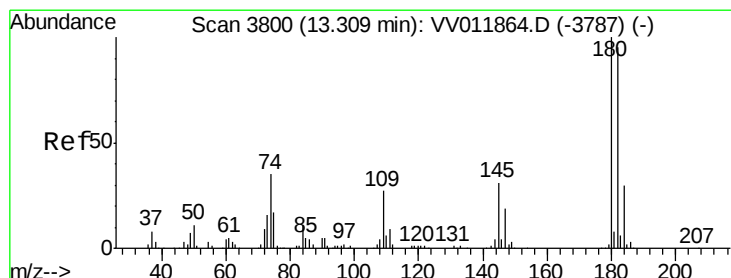
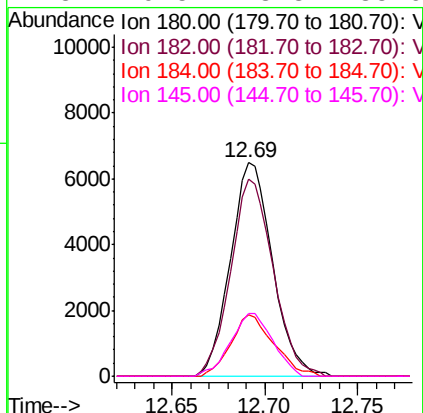
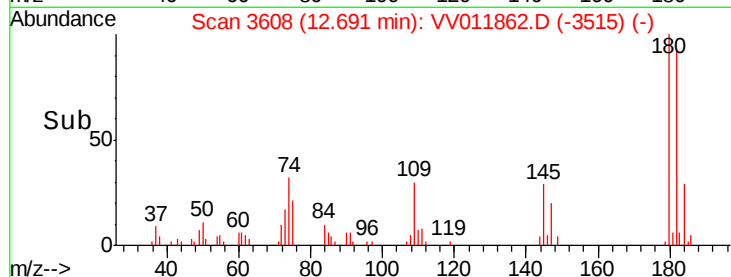
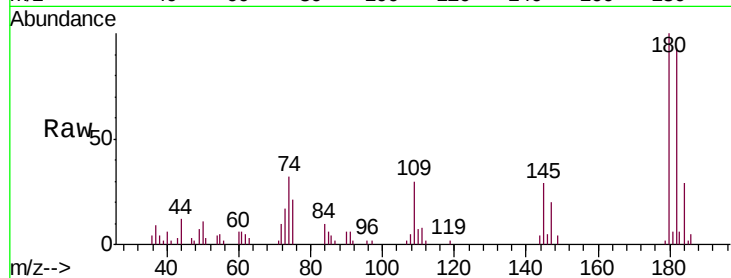




#67
 1,3,5-Trichlorobenzene
 Concen: 0.493 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

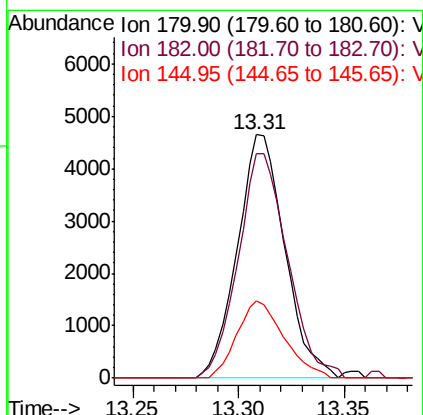
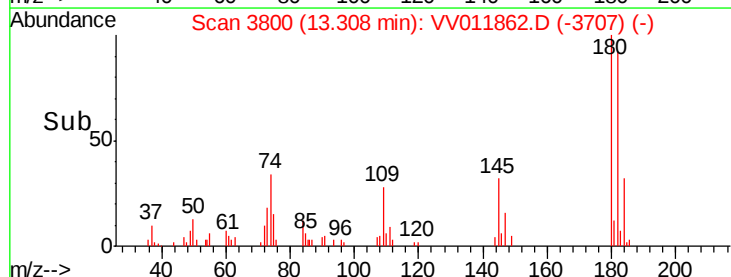
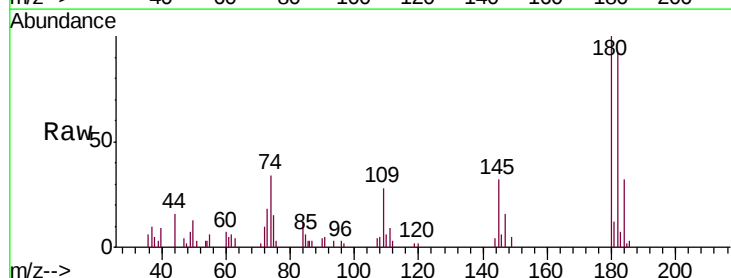
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

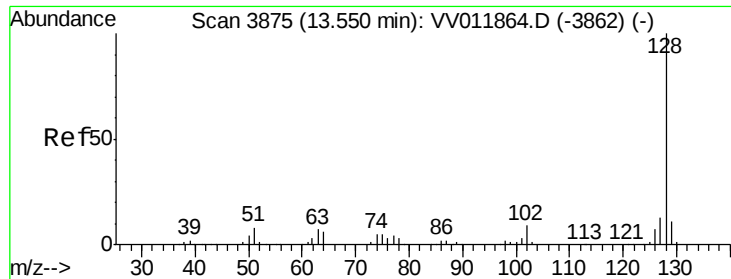
Tgt Ion:	180	Resp:	10202
Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.0	112.6
184	29.3	24.5	36.7
145	29.5	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.436 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011862.D
 Acq: 12 Jul 2019 10:34

Tgt Ion:	180	Resp:	7260
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.9	113.9
145	31.5	24.5	36.7





#69

Naphthalene

Concen: 0.336 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

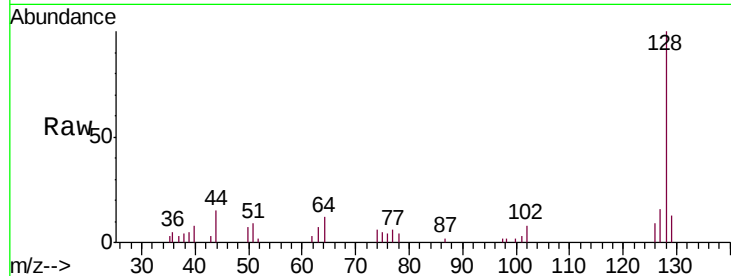
Tgt Ion:128 Resp: 8836

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

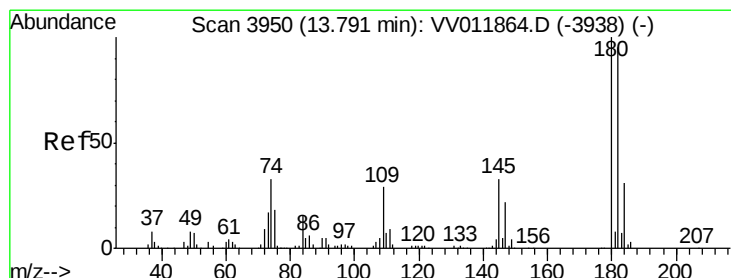
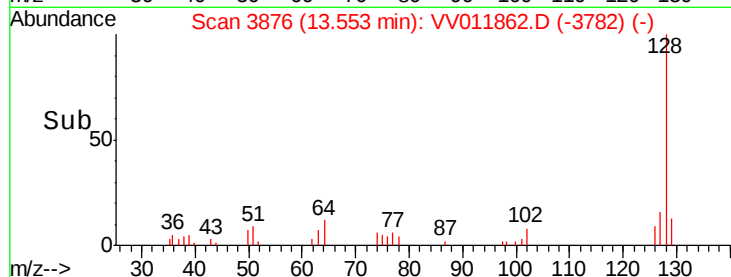
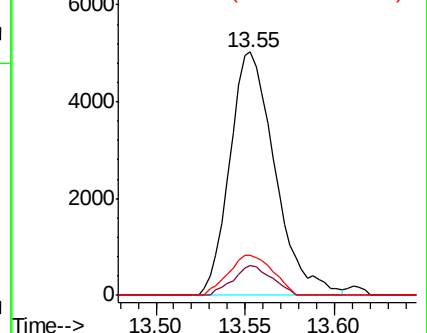
127 16.1 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.427 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV011862.D

Acq: 12 Jul 2019 10:34

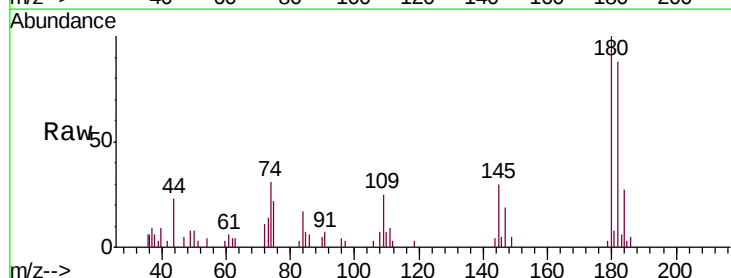
Tgt Ion:180 Resp: 6582

Ion Ratio Lower Upper

180 100

182 94.5 75.0 112.6

145 32.3 25.9 38.9



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

