

Data File : VV011504.D
Acq On : 14 Jun 2019 20:42
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: Jun 15 01:22:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:58:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	175439	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	160415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64907	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	43778	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.12	63	122278	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	3.96	46	194026	52.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.12%
24) Chloroform-d	4.40	84	127968	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	73370	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.09	84	243122	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	78028	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	217658	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.66	79	26242	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.14	63	158375	54.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	58301	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	71687	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	79084	5.053 ug/L	100
3) Chloromethane	1.25	50	89140	5.258 ug/L	99
5) Vinyl chloride	1.32	62	83460	4.985 ug/L	96
6) Bromomethane	1.53	94	37469	5.352 ug/L	99
8) Chloroethane	1.60	64	42475	5.239 ug/L	97
9) Trichlorofluoromethane	1.76	101	93572	5.074 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50856	4.828 ug/L	98
12) 1,1-Dichloroethene	2.13	96	52701	4.830 ug/L	87
13) Acetone	2.22	43	123982	49.360 ug/L	98
14) Carbon disulfide	2.31	76	144721	4.907 ug/L	99
15) Methyl Acetate	2.47	43	33509	5.032 ug/L	98
16) Methylene chloride	2.53	84	62723	5.058 ug/L	93
17) Methyl tert-butyl Ether	2.81	73	173063	5.290 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	62324	5.052 ug/L	94
19) 1,1-Dichloroethane	3.22	63	130509	5.113 ug/L	97
21) 2-Butanone	4.04	43	215163	54.143 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	70454	5.041 ug/L	97

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Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: Jun 15 01:22:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 18:58:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29156	5.307	ug/L	98
25) Chloroform	4.42	83	130364	5.090	ug/L	98
27) 1,2-Dichloroethane	5.18	62	94077	5.212	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	101229	5.072	ug/L	100
30) Cyclohexane	4.71	56	98554	4.780	ug/L	98
31) Carbon tetrachloride	4.87	117	81005	5.015	ug/L	99
33) Benzene	5.14	78	277585	5.298	ug/L	100
34) Trichloroethene	5.96	95	64696	4.842	ug/L	98
35) Methylcyclohexane	6.17	83	94574	4.964	ug/L	100
37) 1,2-Dichloropropane	6.22	63	68402	4.905	ug/L	100
38) Bromodichloromethane	6.55	83	83528	5.271	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	92323	5.259	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	539715	54.285	ug/L	99
42) Toluene	7.43	91	281023	5.176	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	71549	5.328	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	47982	5.154	ug/L	98
47) Tetrachloroethene	8.02	164	47048	4.938	ug/L	97
48) 2-Hexanone	8.19	43	386072	55.238	ug/L	99
49) Dibromochloromethane	8.29	129	50702	5.420	ug/L	97
50) 1,2-Dibromoethane	8.40	107	45448	5.398	ug/L	98
51) Chlorobenzene	8.92	112	169053	5.069	ug/L	99
52) Ethylbenzene	9.05	91	288062	5.051	ug/L	100
53) m,p-xylene	9.18	106	107382	5.145	ug/L	98
54) o-xylene	9.59	106	108942	5.197	ug/L	97
55) Styrene	9.60	104	184042	5.293	ug/L	98
56) Isopropylbenzene	9.97	105	272525	5.108	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	60094	5.279	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	44793	5.144	ug/L	100
61) Bromoform	9.78	173	23930	5.289	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	114195	4.963	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	115450	4.925	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	116094	5.013	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	8334	4.955	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	82754	4.924	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	65598	4.861	ug/L	100
69) Naphthalene	13.55	128	129886	4.894	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65311	4.991	ug/L	99

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

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Acq On : 14 Jun 2019 20:42

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25ML/MSV0A V/WATER

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

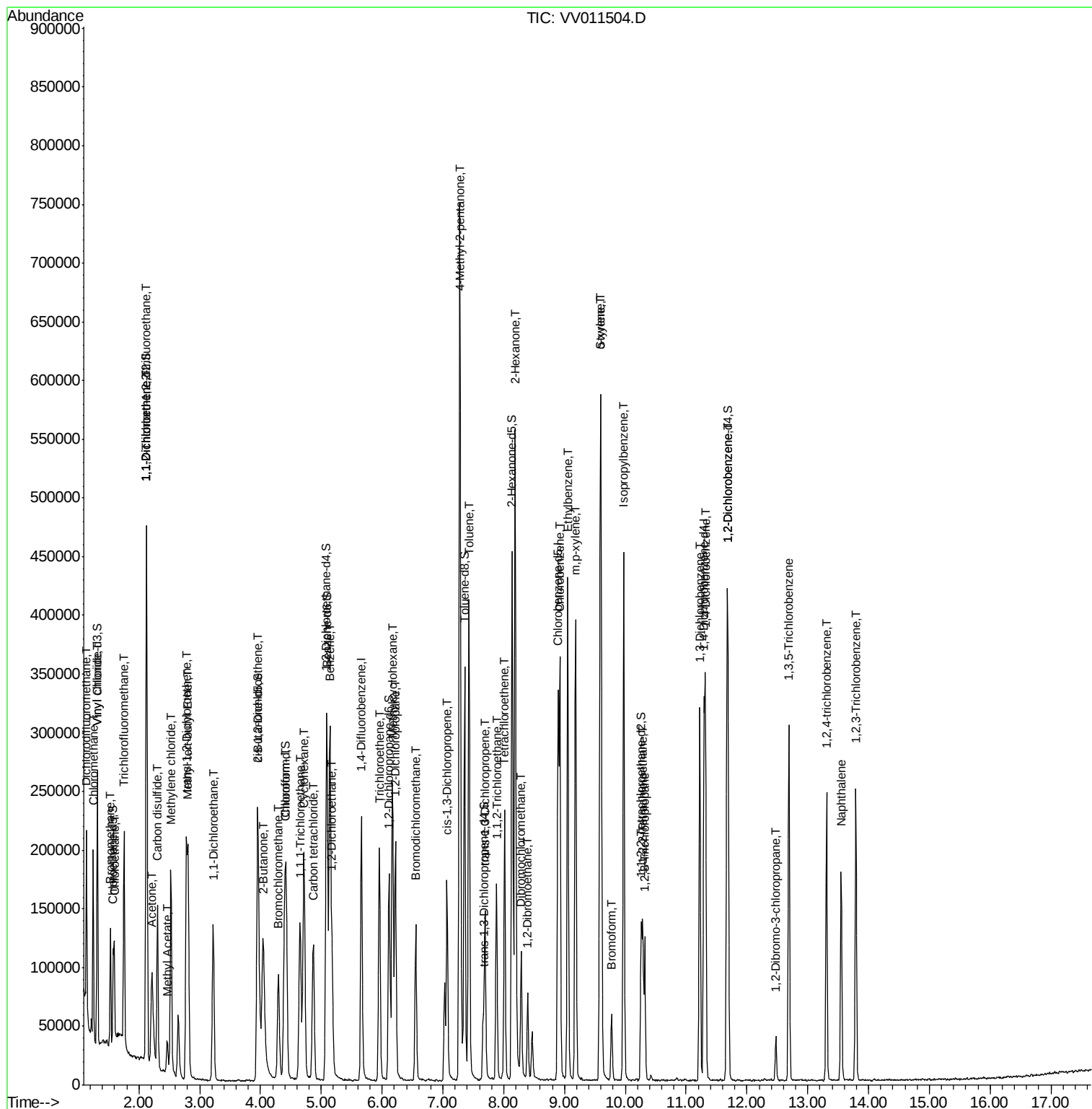
Quant Time: Jun 15 01:22:35 2019

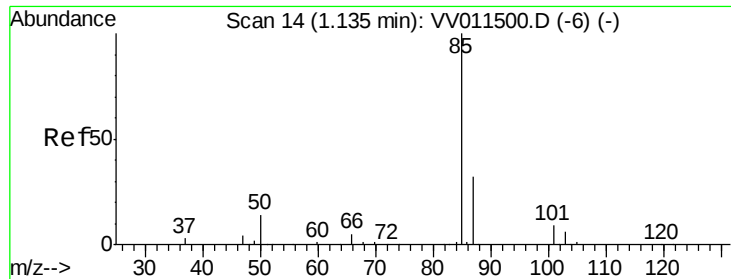
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 14 18:58:38 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.053 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

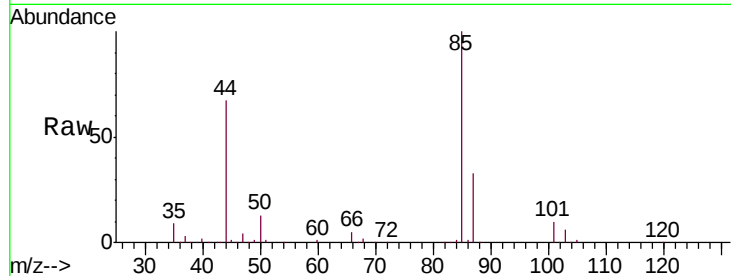
VSTD00554

Tgt Ion: 85 Resp: 79084

Ion Ratio Lower Upper

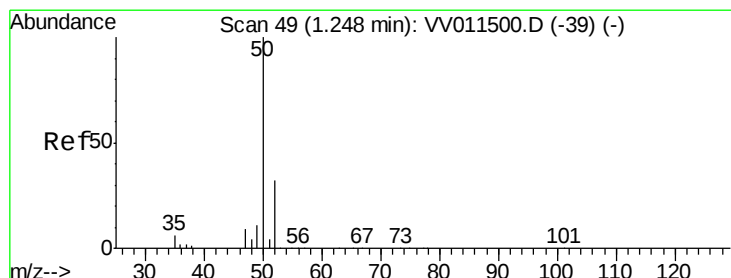
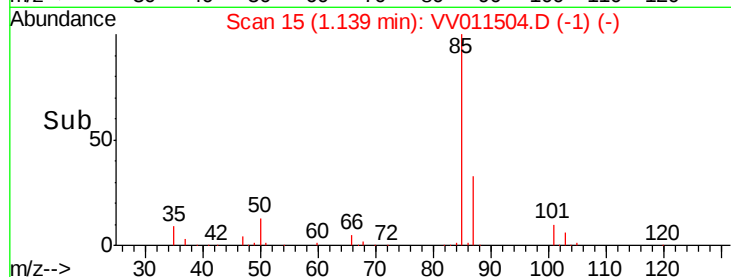
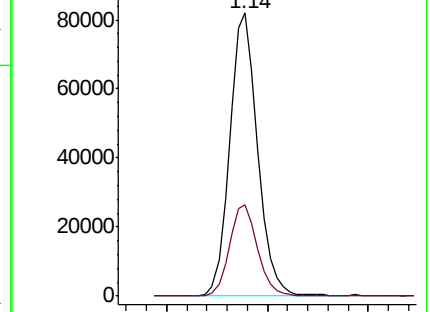
85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV011500.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV011500.D (-6) (-)



#3

Chloromethane

Concen: 5.258 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011504.D

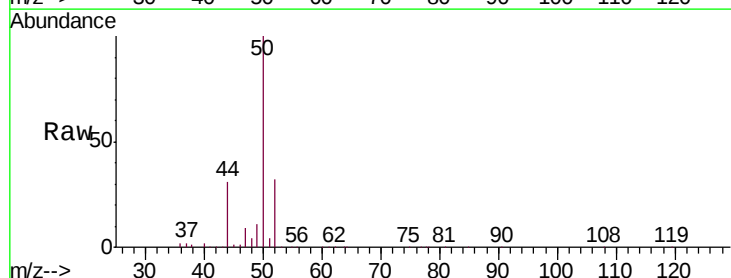
Acq: 14 Jun 2019 20:42

Tgt Ion: 50 Resp: 89140

Ion Ratio Lower Upper

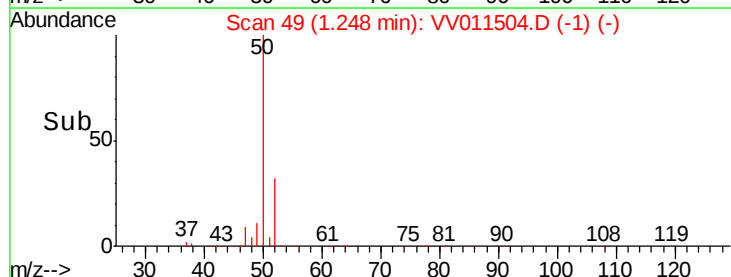
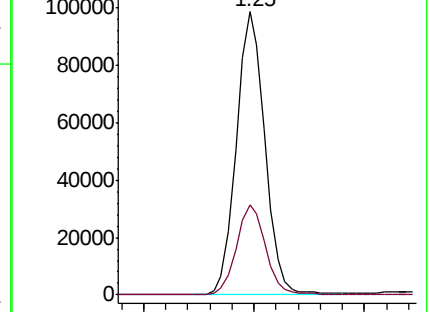
50 100

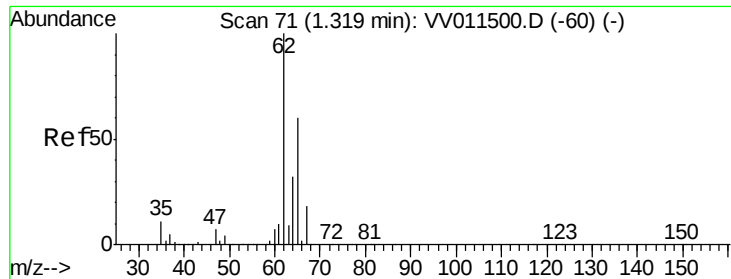
52 31.8 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV011500.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011500.D (-39) (-)





#5

Vinyl chloride

Concen: 4.985 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

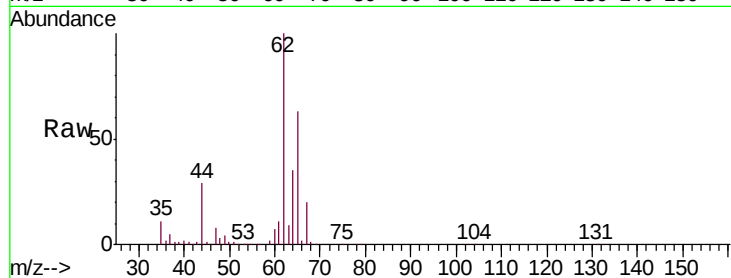
VSTD00554

Tgt Ion: 62 Resp: 83460

Ion Ratio Lower Upper

62 100

64 34.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV011500.D (-60) (-)

Ion 64.10 (63.80 to 64.80): VV011500.D (-60) (-)

1.32

80000

60000

40000

20000

0

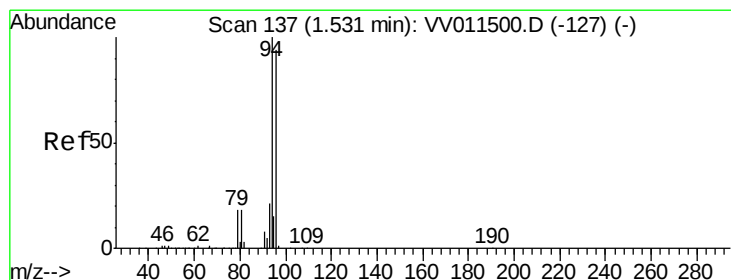
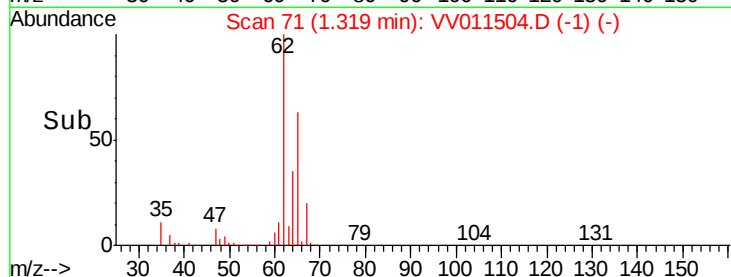
1.25

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 5.352 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV011504.D

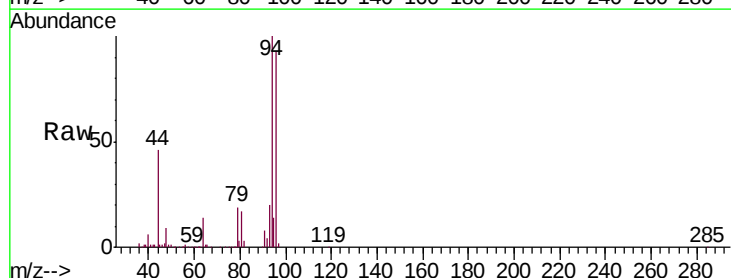
Acq: 14 Jun 2019 20:42

Tgt Ion: 94 Resp: 37469

Ion Ratio Lower Upper

94 100

96 92.5 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV011500.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV011500.D (-127) (-)

1.53

40000

30000

20000

10000

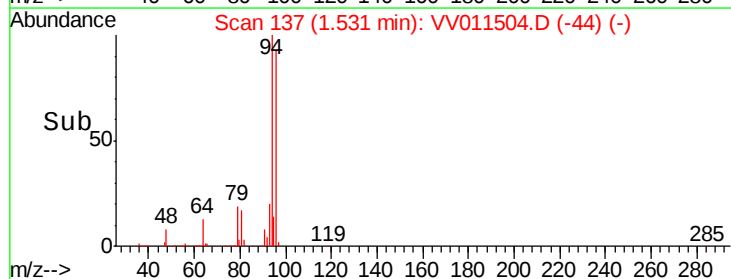
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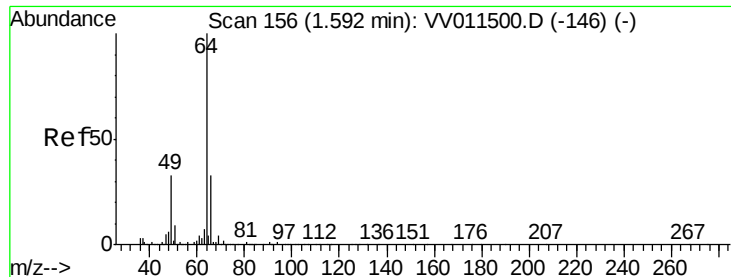
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 5.239 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

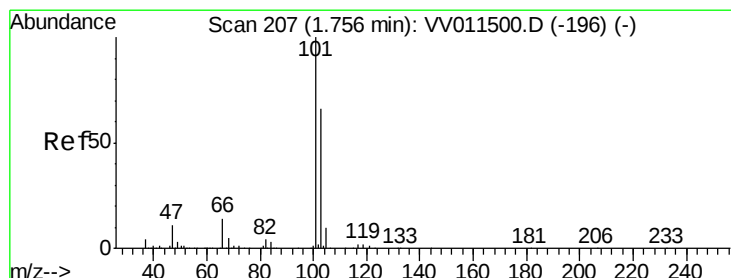
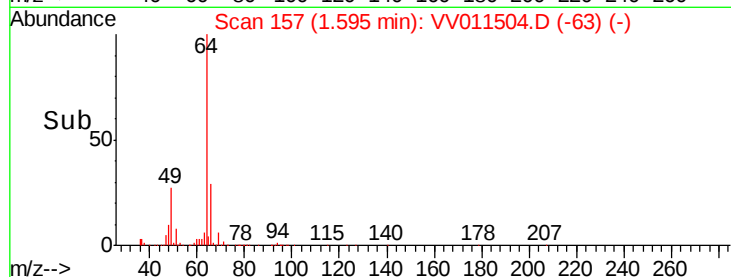
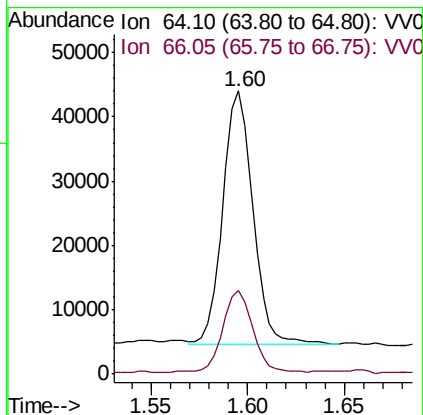
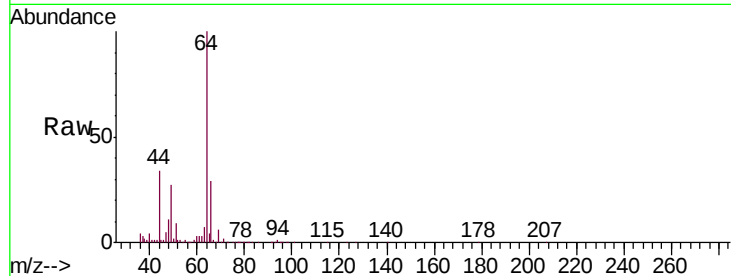
VSTD00554

Tgt Ion: 64 Resp: 42475

Ion Ratio Lower Upper

64 100

66 29.3 21.6 40.2



#9

Trichlorofluoromethane

Concen: 5.074 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV011504.D

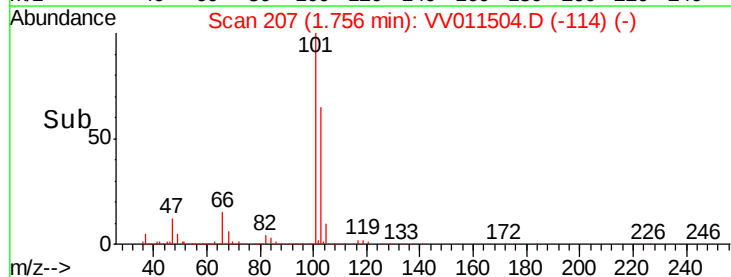
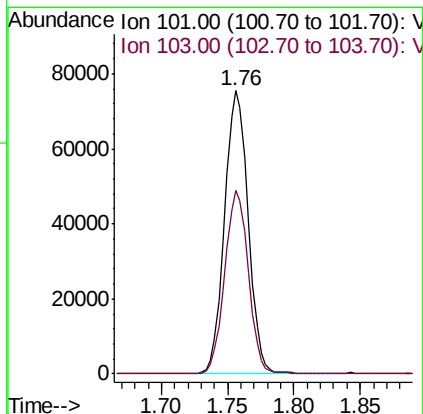
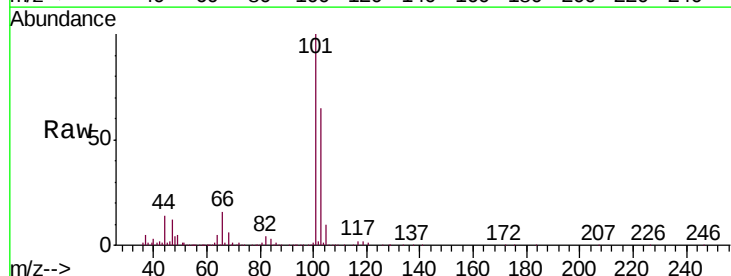
Acq: 14 Jun 2019 20:42

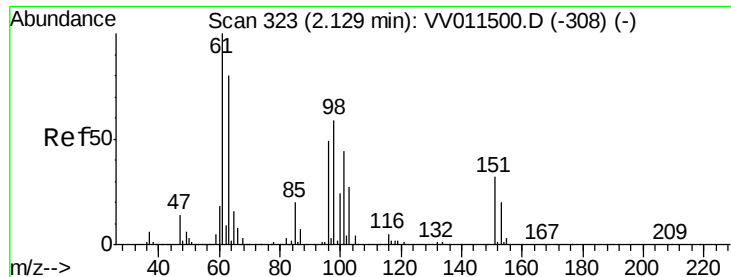
Tgt Ion: 101 Resp: 93572

Ion Ratio Lower Upper

101 100

103 64.8 52.5 78.7





#10

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

Concen: 4.828 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

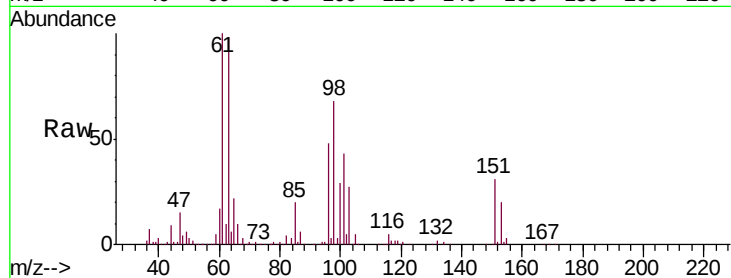
Tgt Ion: 101 Resp: 50856

Ion Ratio Lower Upper

101 100

85 46.2 37.3 55.9

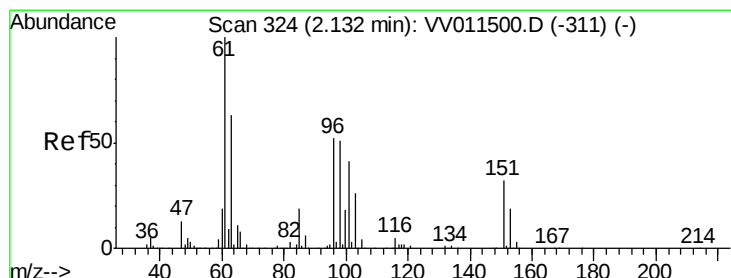
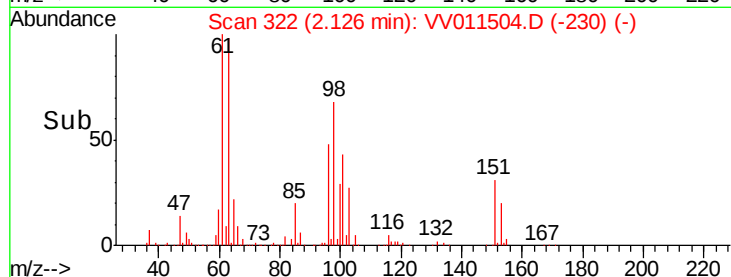
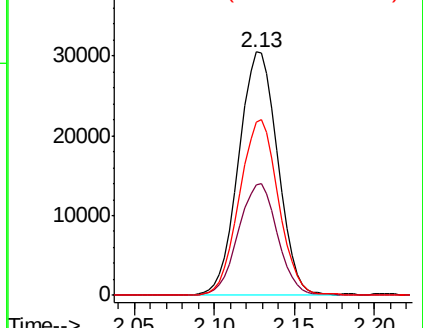
151 72.3 59.4 89.2



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: 4.830 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

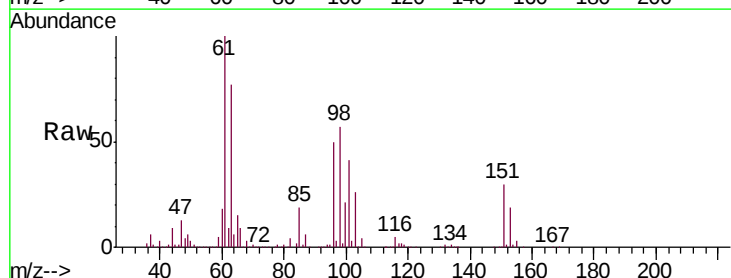
Tgt Ion: 96 Resp: 52701

Ion Ratio Lower Upper

96 100

61 199.3 135.9 252.5

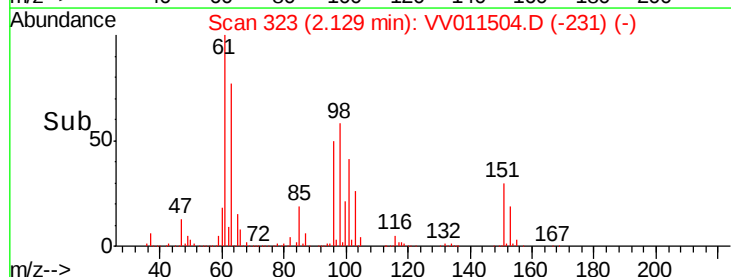
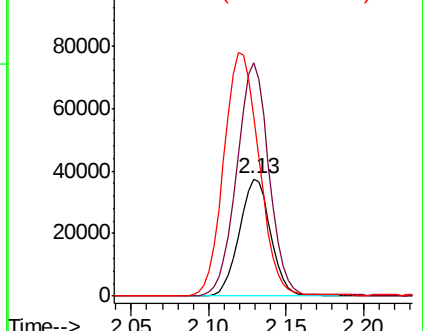
63 153.8 86.2 160.2

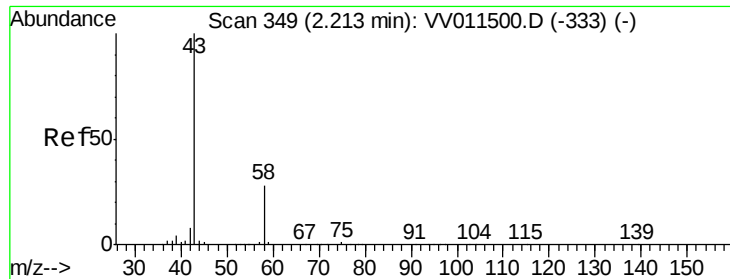


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.360 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

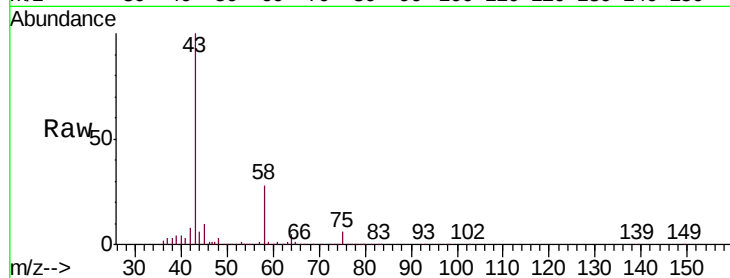
VSTD00554

Tgt Ion: 43 Resp: 123982

Ion Ratio Lower Upper

43 100

58 27.9 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

50000

40000

30000

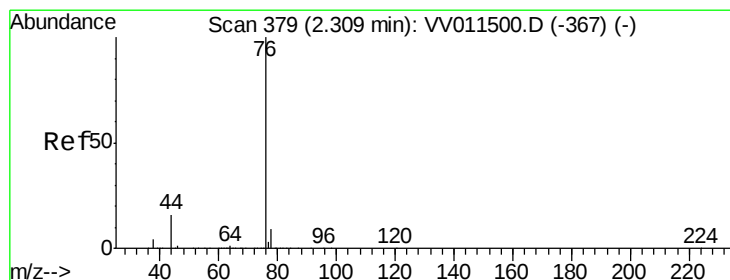
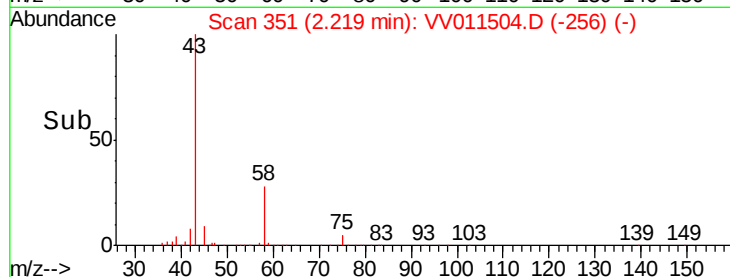
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.907 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011504.D

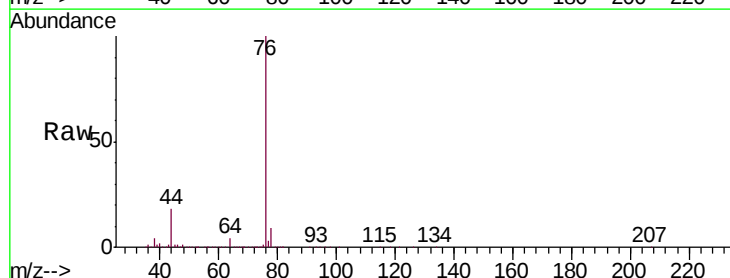
Acq: 14 Jun 2019 20:42

Tgt Ion: 76 Resp: 144721

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

100000

80000

60000

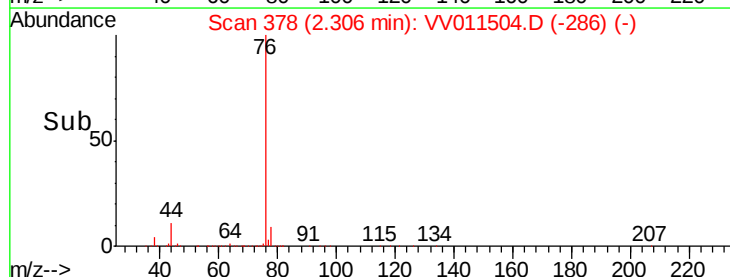
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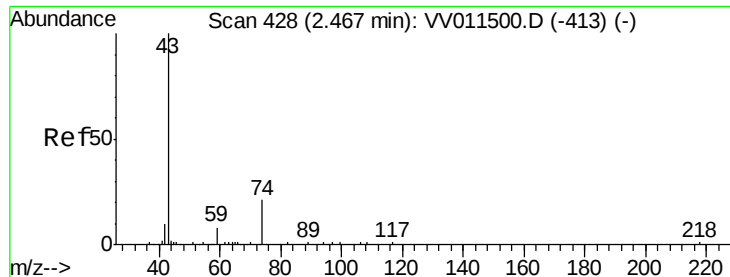
20000

0

Time-->

2.25 2.30 2.35

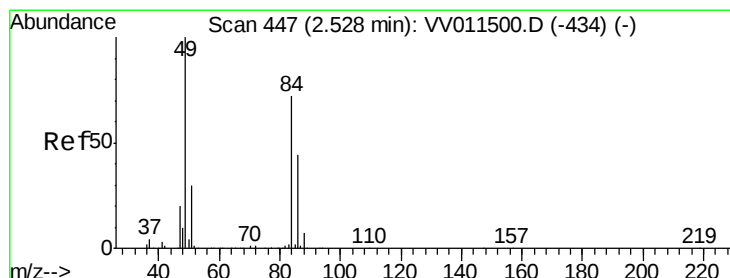
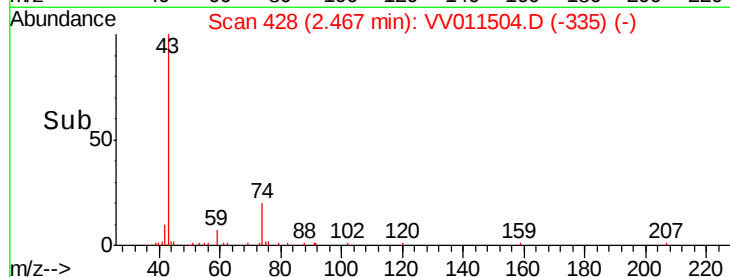
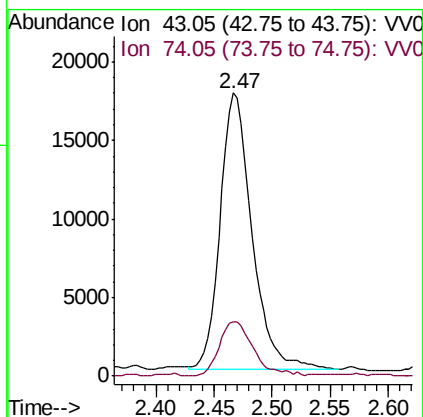
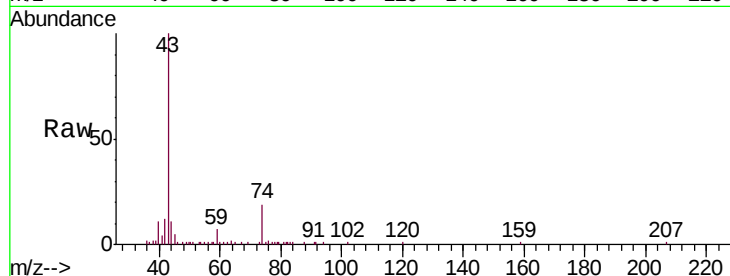




#15
Methyl Acetate
Concen: 5.032 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

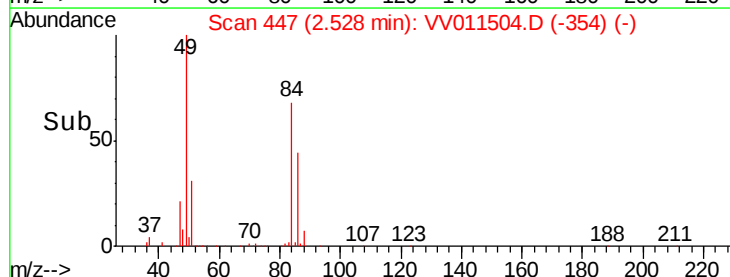
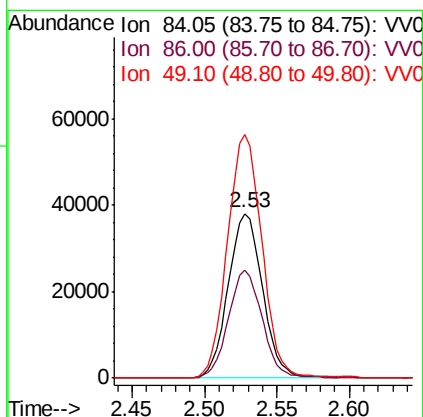
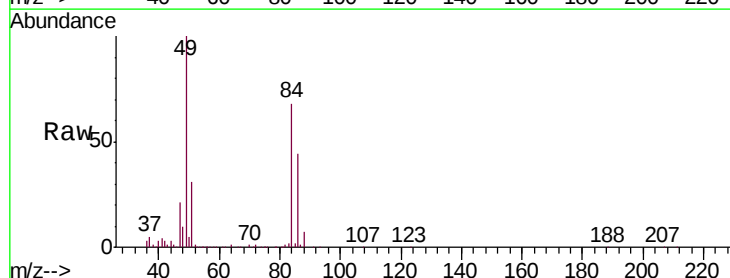
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

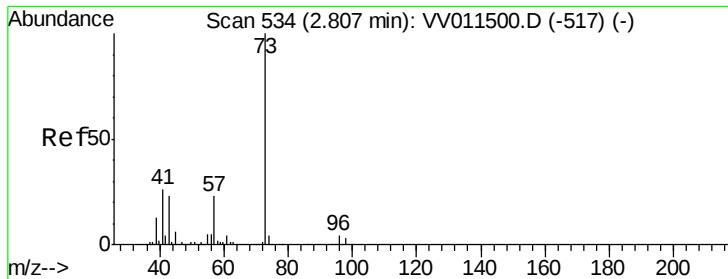
Tgt Ion: 43 Resp: 33509
Ion Ratio Lower Upper
43 100
74 21.3 16.5 24.7



#16
Methylene chloride
Concen: 5.058 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Tgt Ion: 84 Resp: 62723
Ion Ratio Lower Upper
84 100
86 65.4 42.5 78.9
49 147.9 97.7 181.5





#17

Methyl tert-butyl Ether

Concen: 5.290 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampled :

VSTD00554

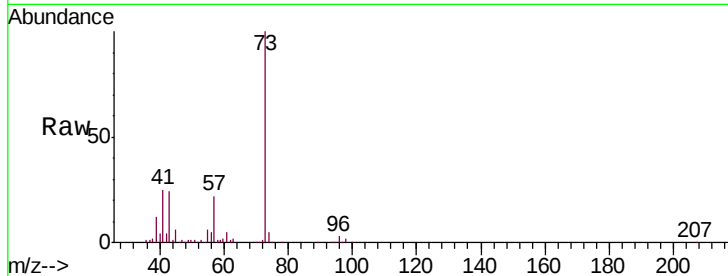
Tgt Ion: 73 Resp: 173063

Ion Ratio Lower Upper

73 100

43 23.5 18.2 27.4

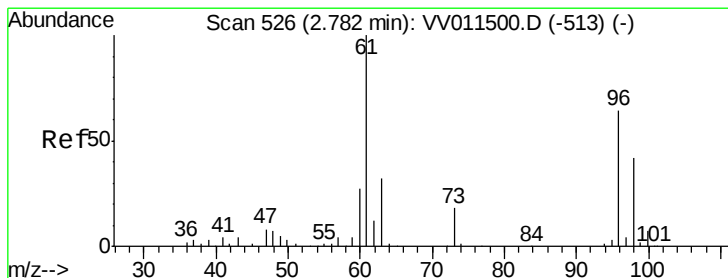
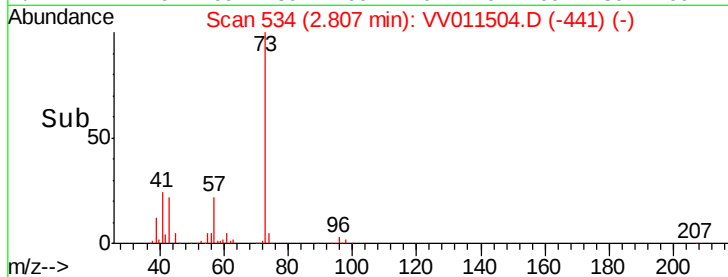
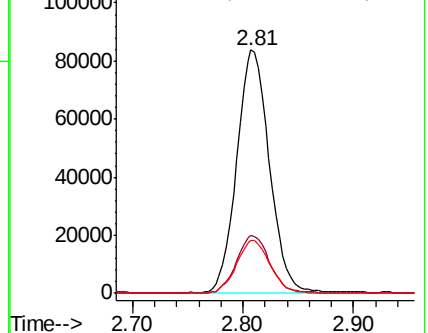
57 22.2 17.4 26.2



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: 5.052 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

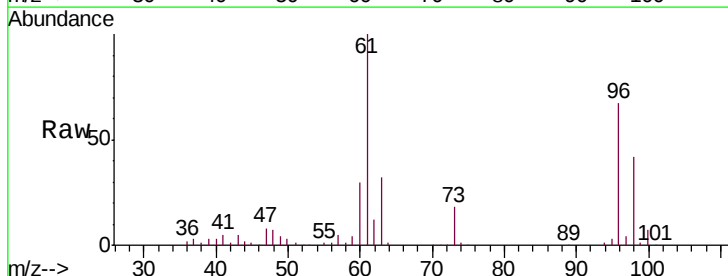
Tgt Ion: 96 Resp: 62324

Ion Ratio Lower Upper

96 100

61 149.3 110.0 204.4

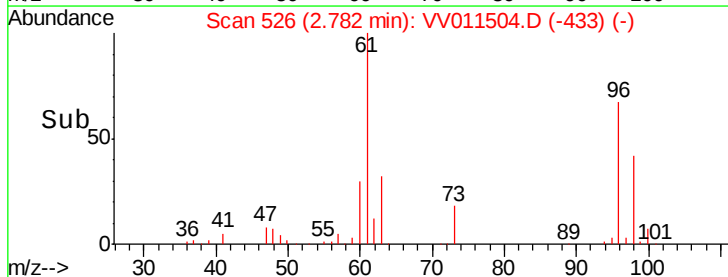
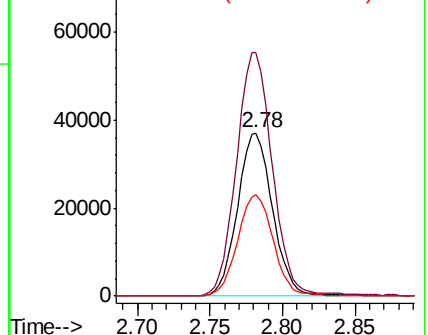
98 62.1 45.8 85.0

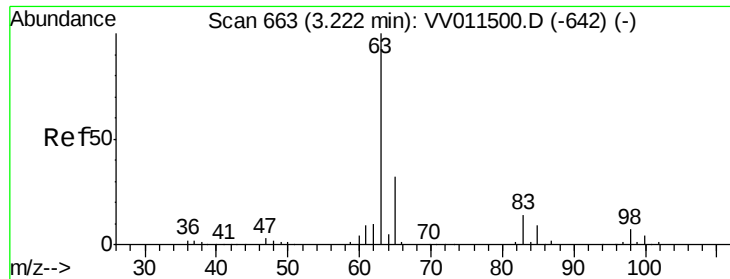


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

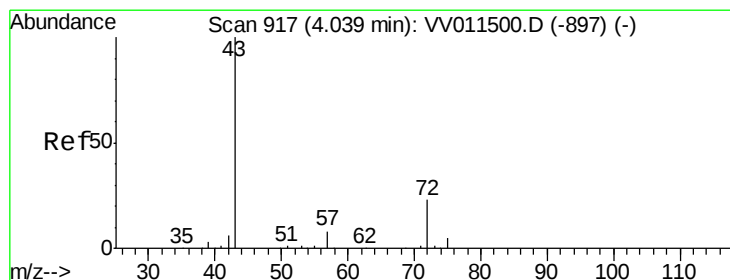
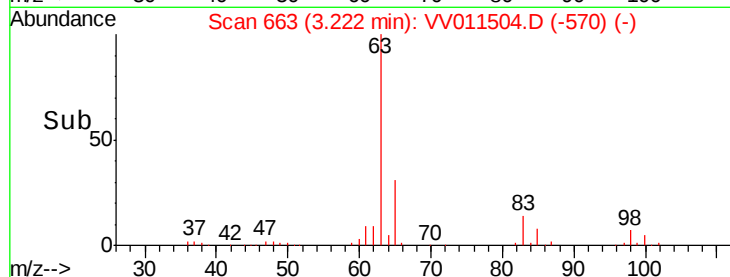
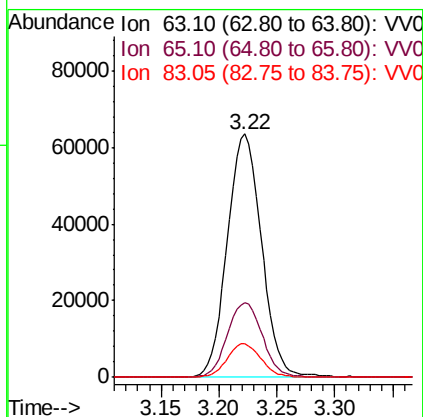
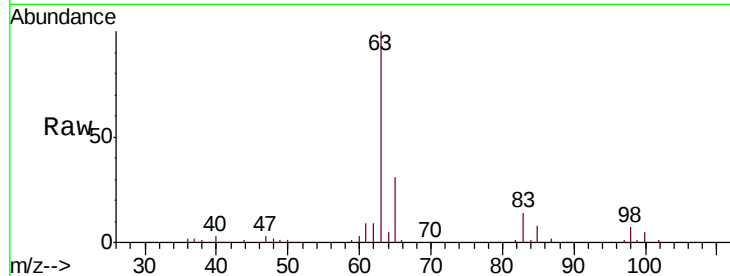




#19
 1,1-Dichloroethane
 Concen: 5.113 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

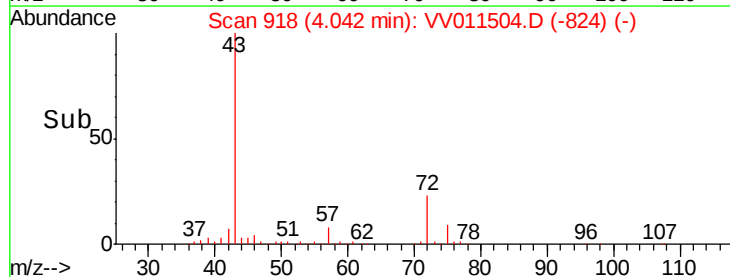
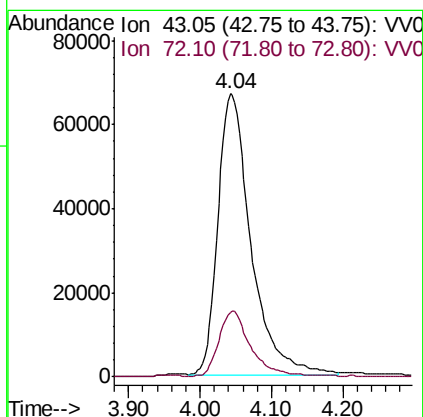
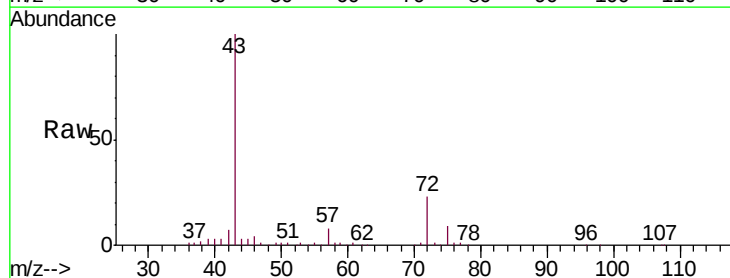
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

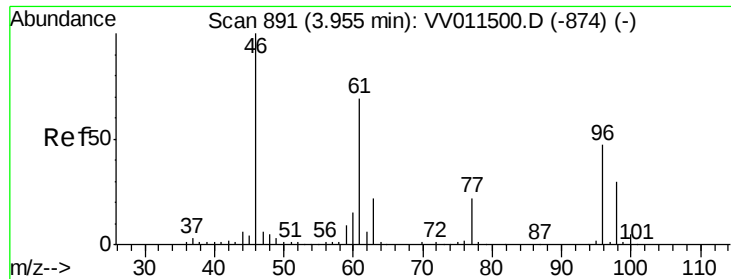
Tgt Ion: 63 Resp: 130509
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.5 41.9
 83 13.8 10.1 18.9



#21
 2-Butanone
 Concen: 54.143 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

Tgt Ion: 43 Resp: 215163
 Ion Ratio Lower Upper
 43 100
 72 22.2 11.8 35.4



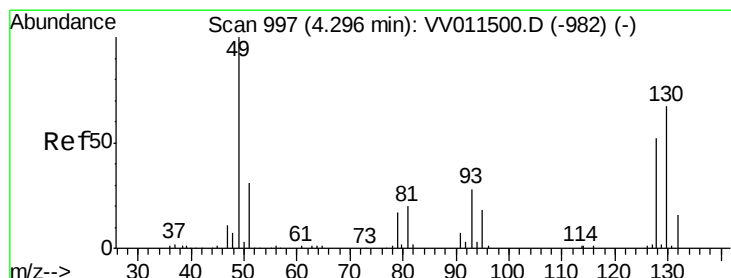
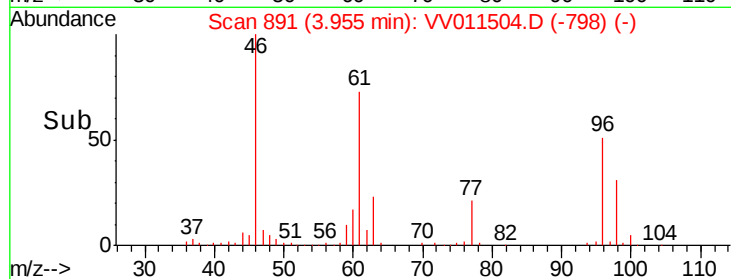
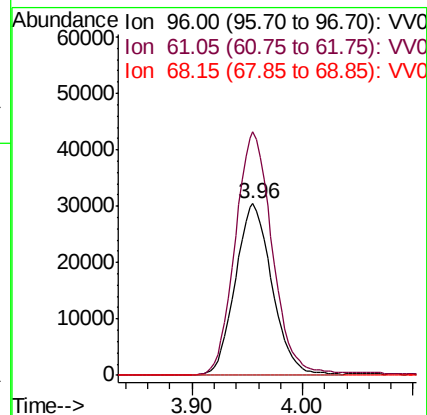
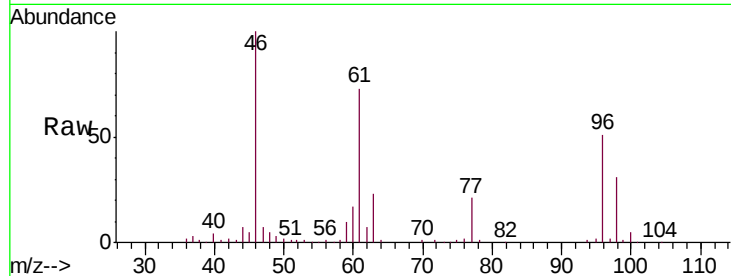


#22

cis-1,2-Dichloroethene
Concen: 5.041 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

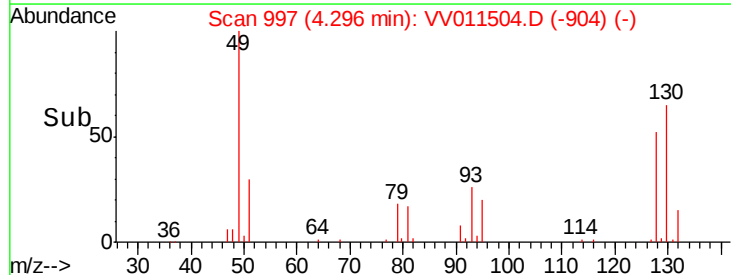
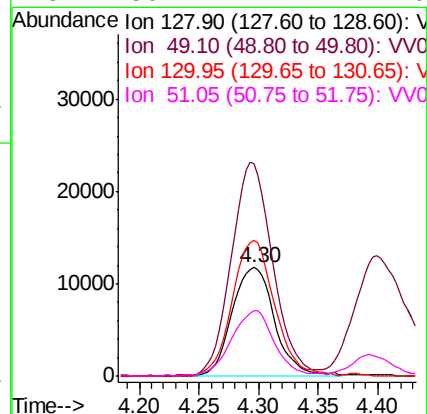
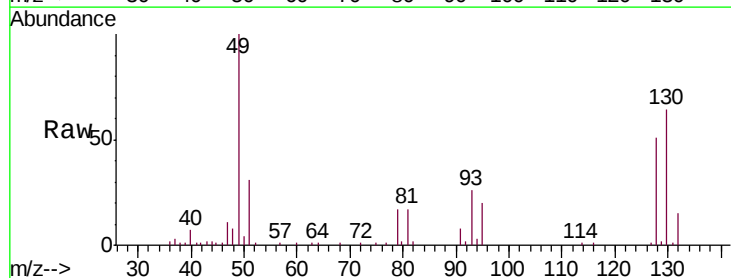
Tgt Ion: 96 Resp: 70454
Ion Ratio Lower Upper
96 100
61 142.0 102.2 189.8
68 0.0 0.0 0.0

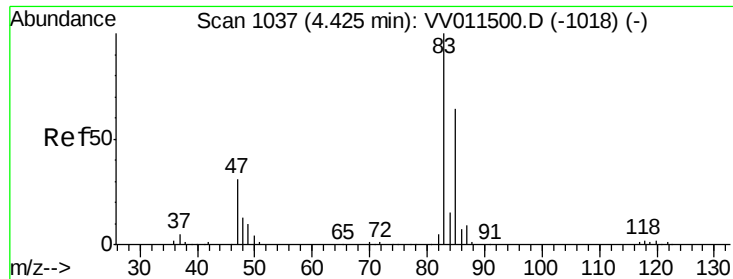


#23

Bromochloromethane
Concen: 5.307 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Tgt Ion: 128 Resp: 29156
Ion Ratio Lower Upper
128 100
49 195.6 136.2 253.0
130 125.0 91.3 169.5
51 59.7 47.4 71.0

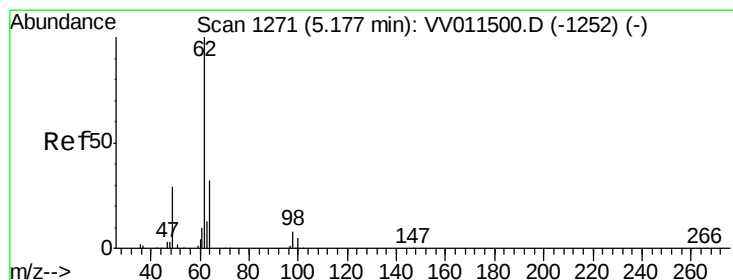
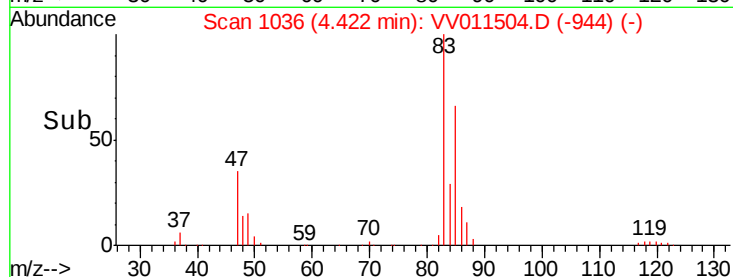
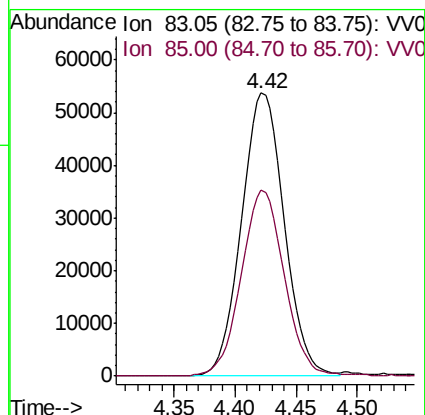
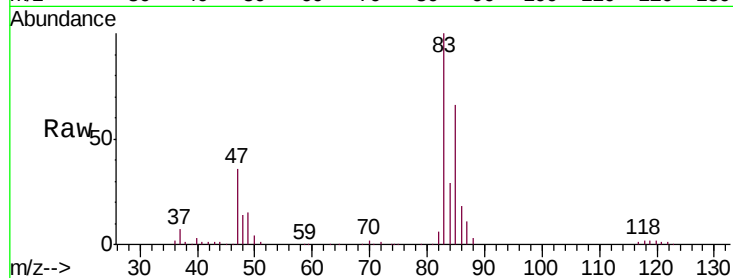




#25
Chloroform
Concen: 5.090 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

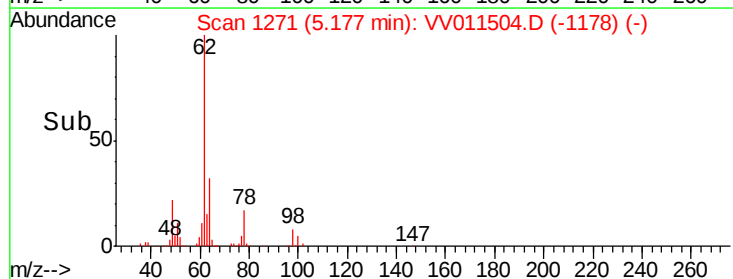
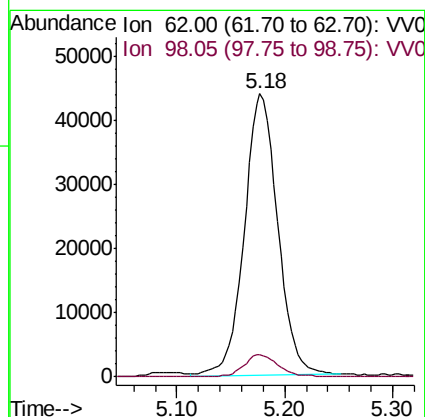
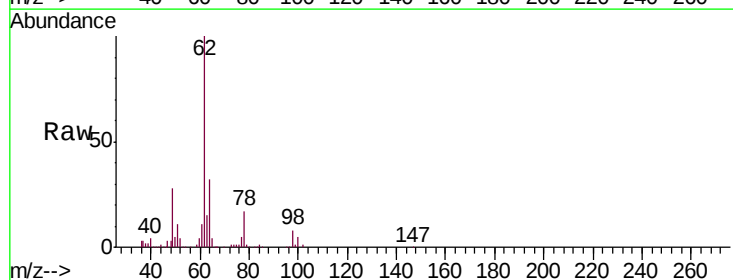
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

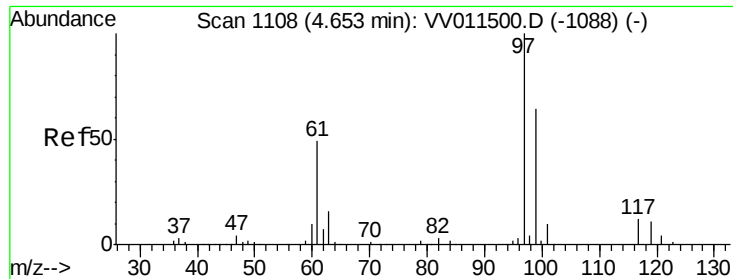
Tgt Ion: 83 Resp: 130364
Ion Ratio Lower Upper
83 100
85 65.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.212 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Tgt Ion: 62 Resp: 94077
Ion Ratio Lower Upper
62 100
98 7.8 6.5 9.7

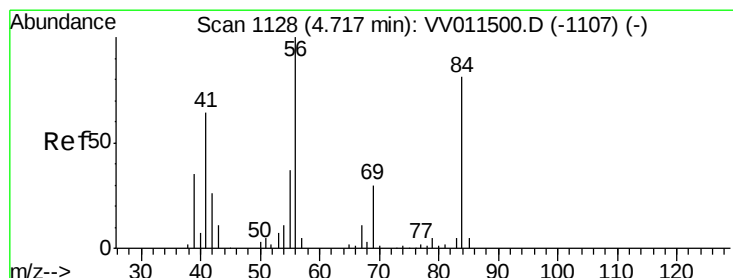
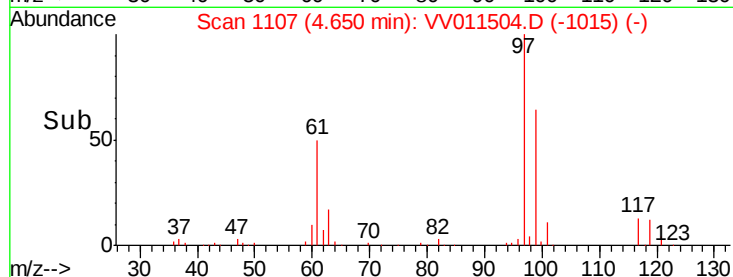
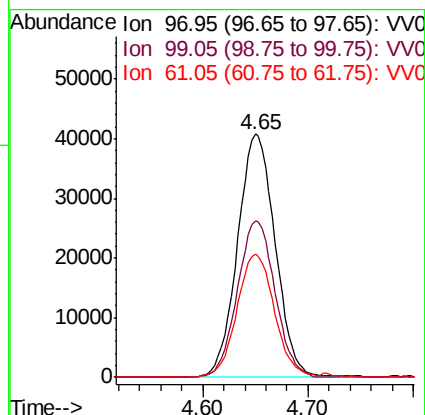
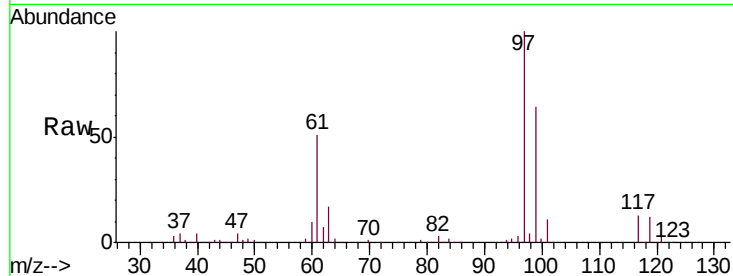




#29
 1,1,1-Trichloroethane
 Concen: 5.072 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

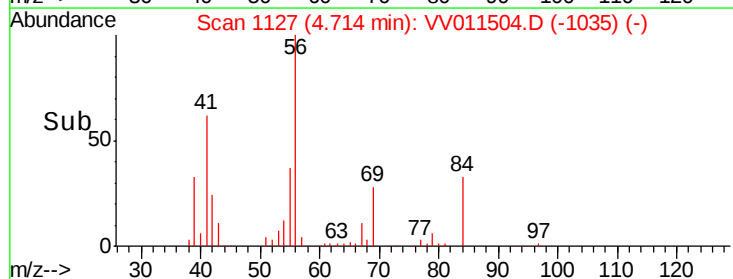
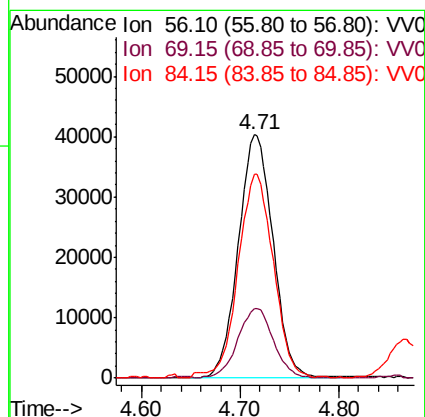
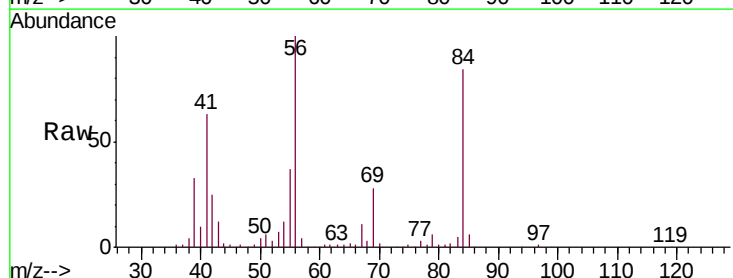
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

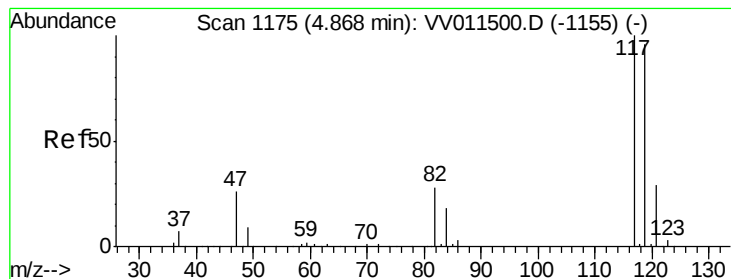
Tgt Ion: 97 Resp: 101229
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.6 77.4
 61 50.6 40.4 60.6



#30
 Cyclohexane
 Concen: 4.780 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

Tgt Ion: 56 Resp: 98554
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.1 36.1
 84 84.9 66.8 100.2





#31

Carbon tetrachloride

Concen: 5.015 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

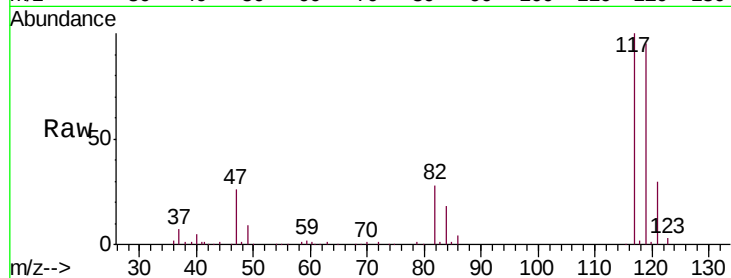
VSTD00554

Tgt Ion:117 Resp: 81005

Ion Ratio Lower Upper

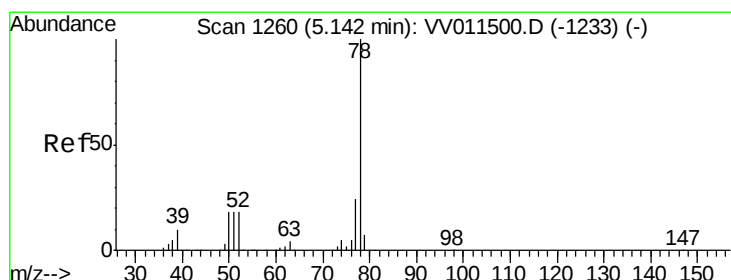
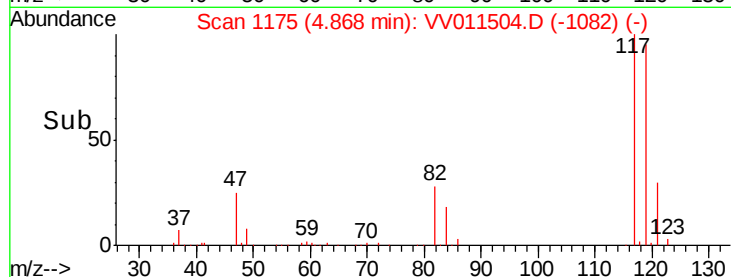
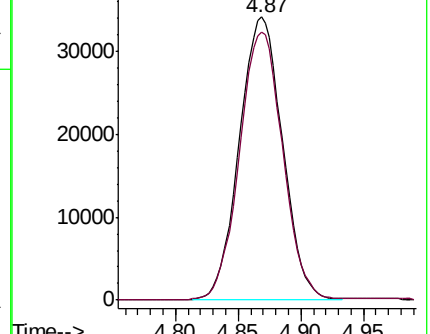
117 100

119 96.0 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: 5.298 ug/L

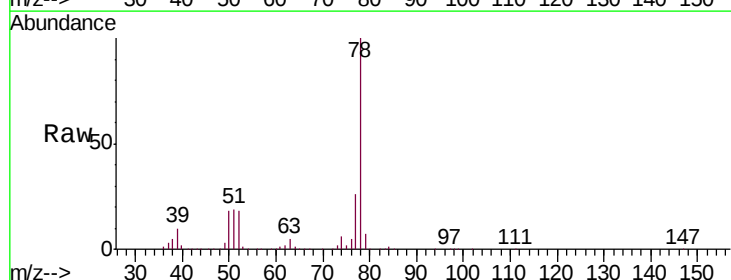
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Tgt Ion: 78 Resp: 277585



Abundance Ion 78.10 (77.80 to 78.80): VV0

150000

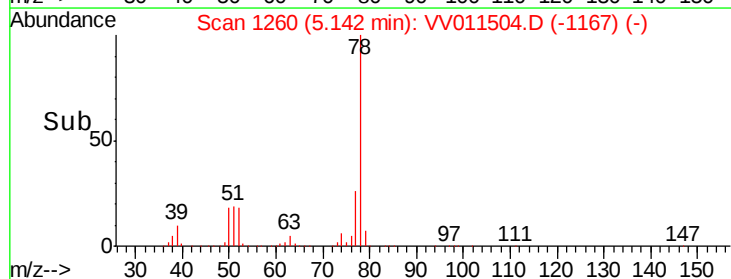
100000

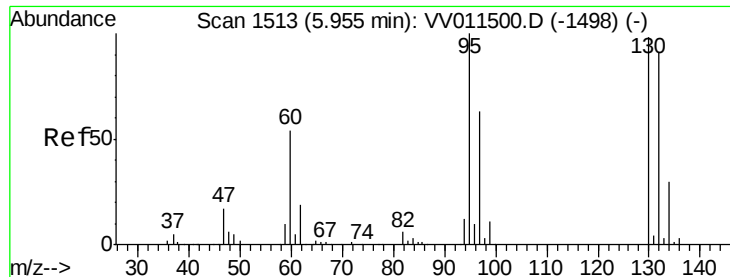
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 4.842 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion: 95 Resp: 64696

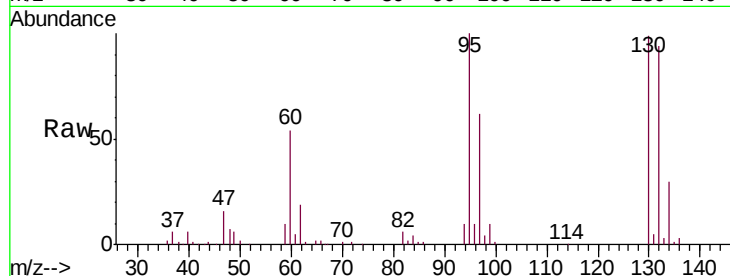
Ion Ratio Lower Upper

95 100

97 62.2 44.4 82.4

132 93.7 63.5 117.9

130 98.8 68.5 127.3



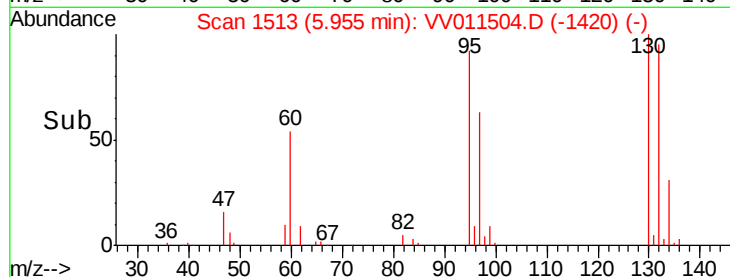
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



Abundance

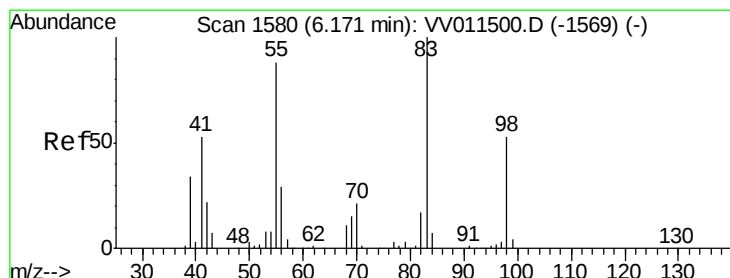
Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#35

Methylcyclohexane

Concen: 4.964 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

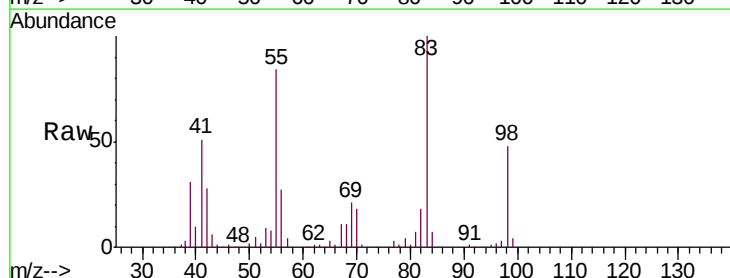
Tgt Ion: 83 Resp: 94574

Ion Ratio Lower Upper

83 100

55 85.1 67.9 101.9

98 49.1 39.6 59.4

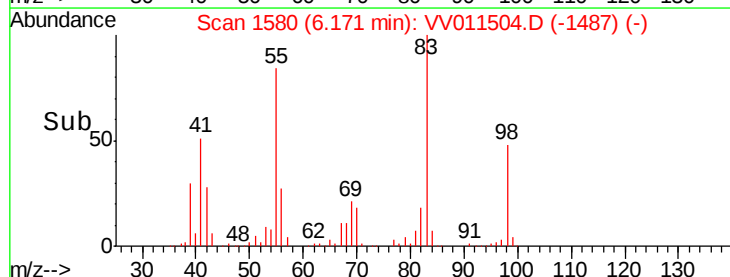


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->



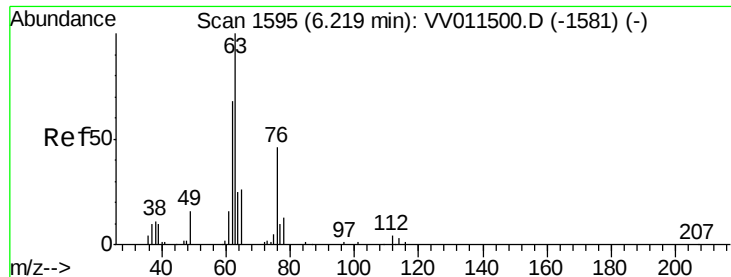
Abundance

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

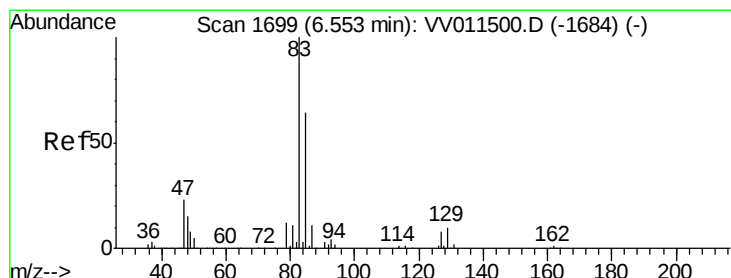
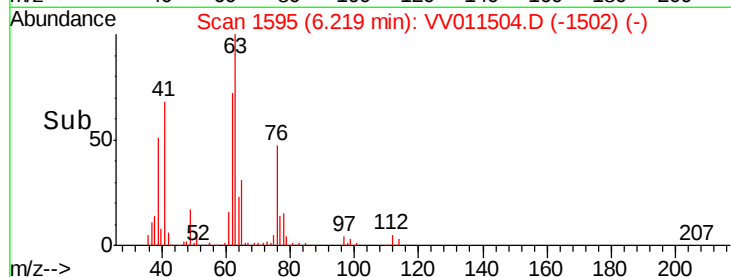
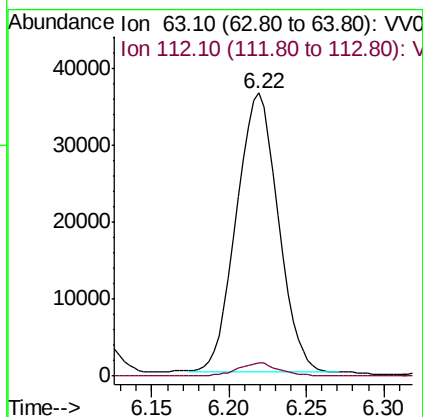
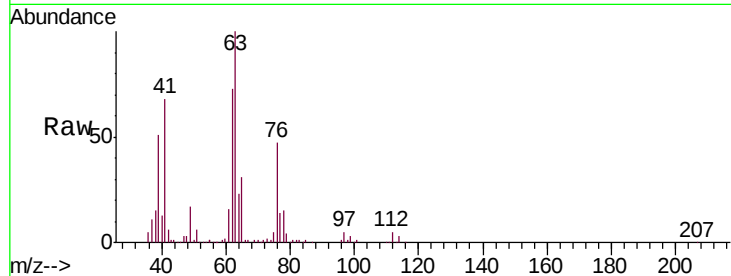
Time-->



#37
 1,2-Dichloropropane
 Concen: 4.905 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

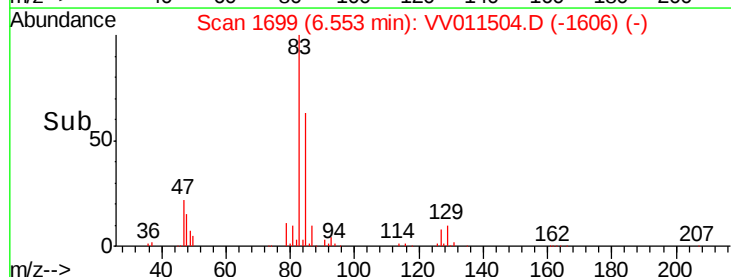
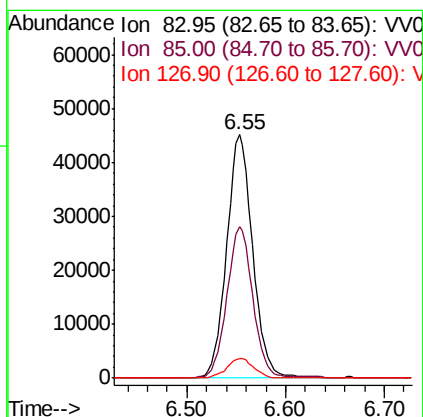
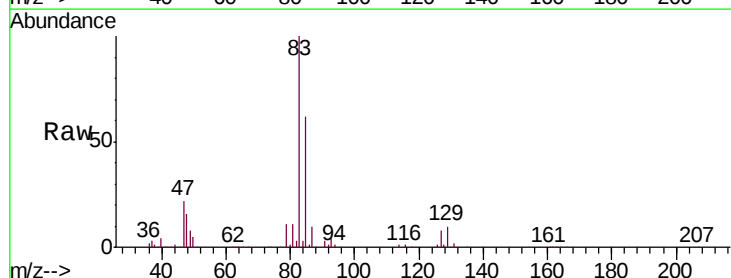
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

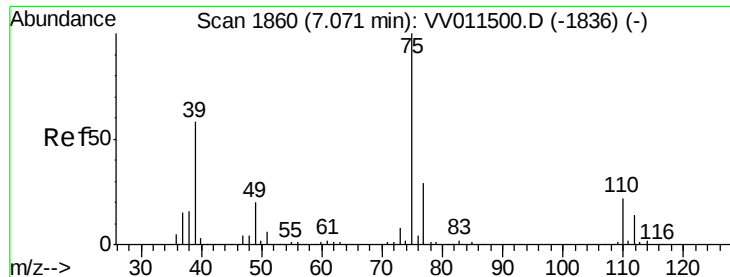
Tgt Ion: 63 Resp: 68402
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.271 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

Tgt Ion: 83 Resp: 83528
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.7 83.1
 127 8.1 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 5.259 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampled :

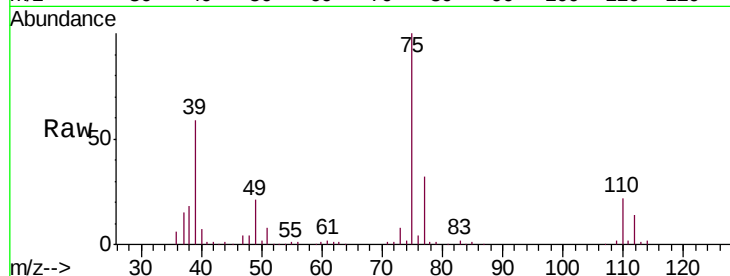
VSTD00554

Tgt Ion: 75 Resp: 92323

Ion Ratio Lower Upper

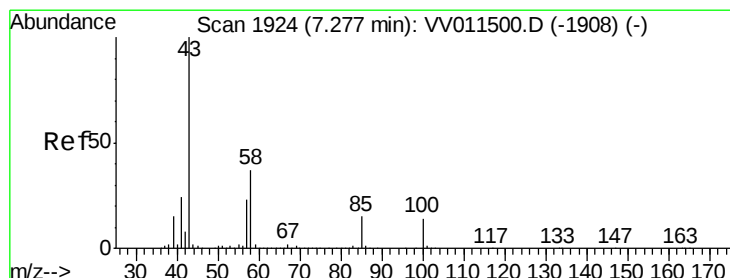
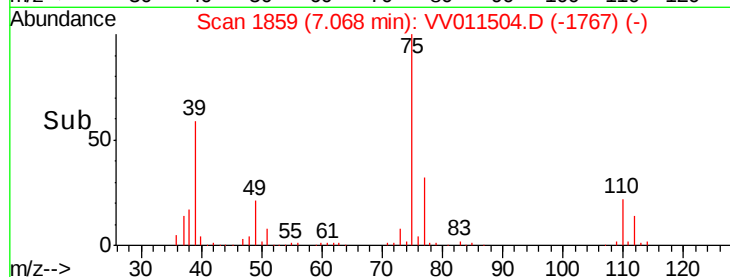
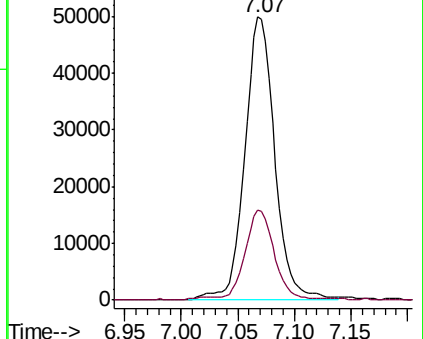
75 100

77 31.7 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 54.285 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

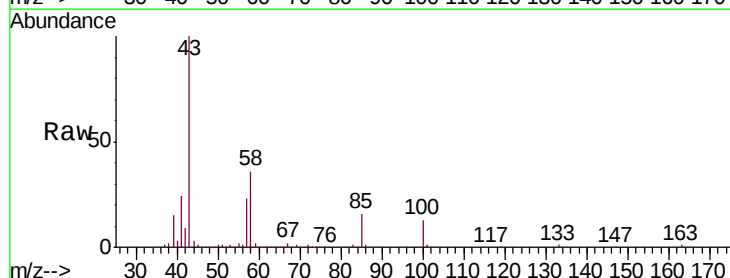
Tgt Ion: 43 Resp: 539715

Ion Ratio Lower Upper

43 100

58 35.6 28.7 43.1

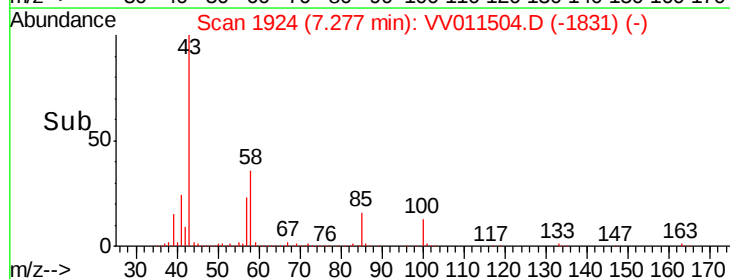
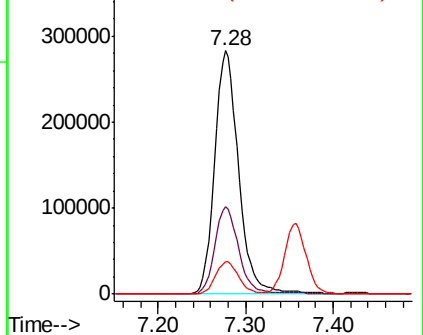
100 12.8 10.6 15.8

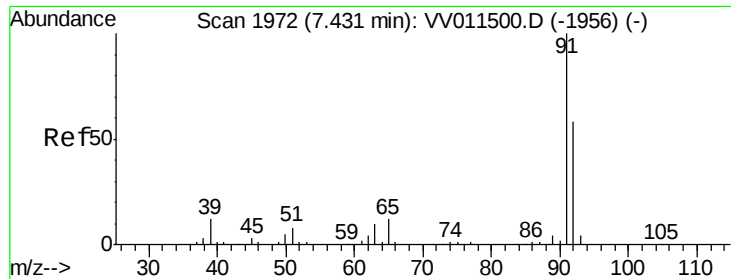


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.176 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampled :

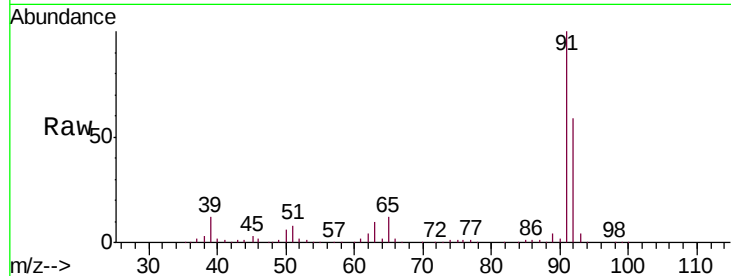
VSTD00554

Tgt Ion: 91 Resp: 281023

Ion Ratio Lower Upper

91 100

92 58.9 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV011504.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV011504.D (-1956) (-)

7.43

150000

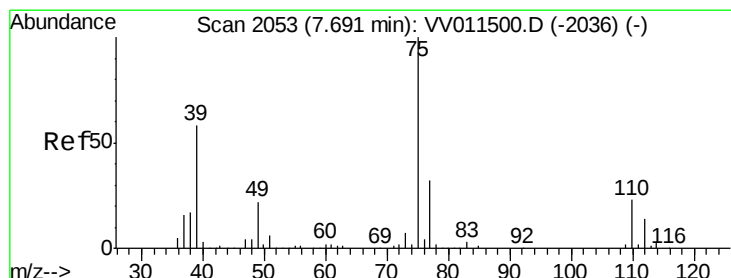
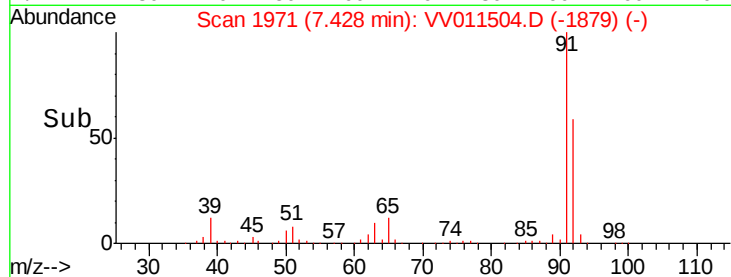
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.328 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011504.D

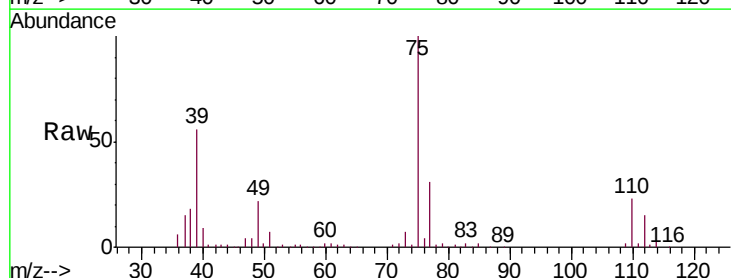
Acq: 14 Jun 2019 20:42

Tgt Ion: 75 Resp: 71549

Ion Ratio Lower Upper

75 100

77 30.9 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV011504.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV011504.D (-2036) (-)

7.69

40000

30000

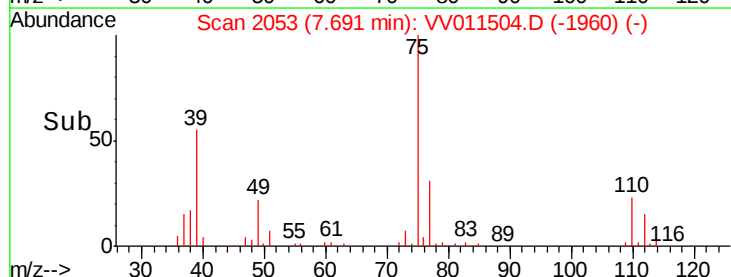
20000

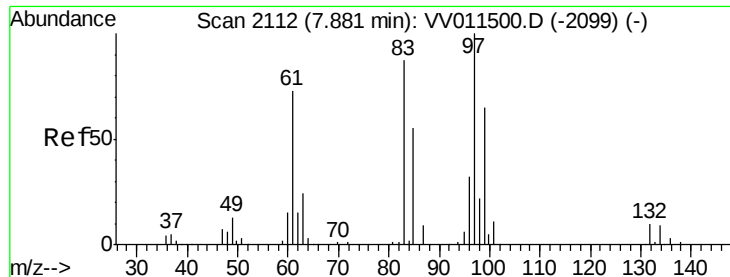
10000

0

7.60 7.65 7.70 7.75 7.80

Time-->

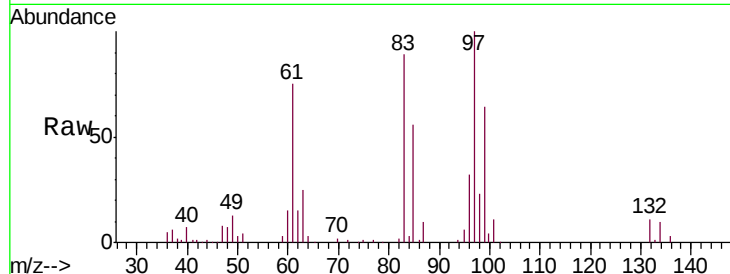




#45
 1,1,2-Trichloroethane
 Concen: 5.154 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:	97	Resp:	47982
Ion	Ratio	Lower	Upper
97	100		
99	63.8	45.4	84.4
83	88.7	60.6	112.6
85	55.7	38.6	71.6



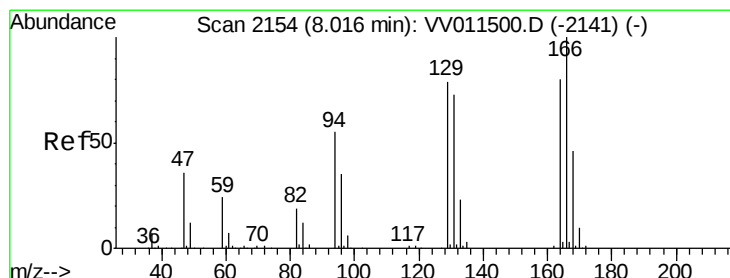
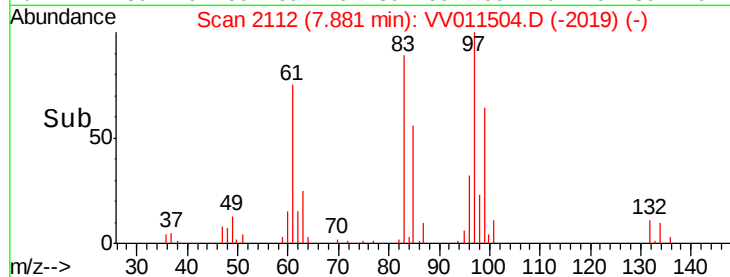
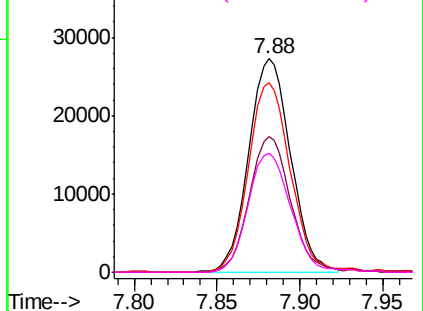
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

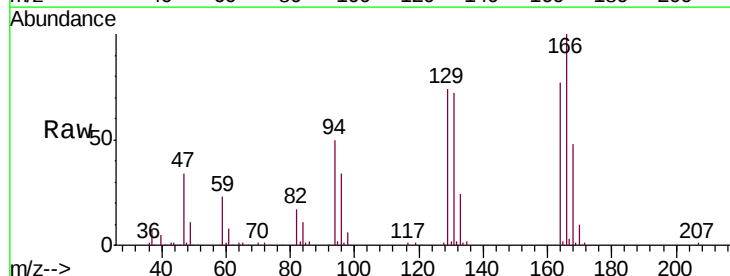
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.938 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

Tgt Ion:	164	Resp:	47048
Ion	Ratio	Lower	Upper
164	100		
129	95.8	68.8	127.8
131	93.0	63.2	117.4
166	129.2	87.0	161.6



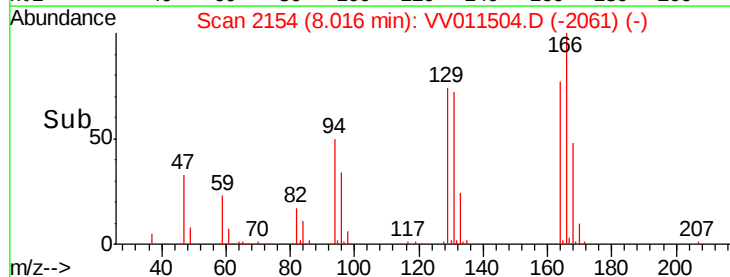
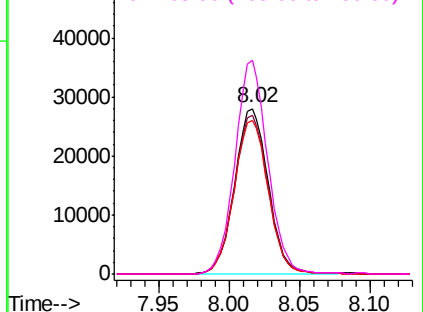
Abundance

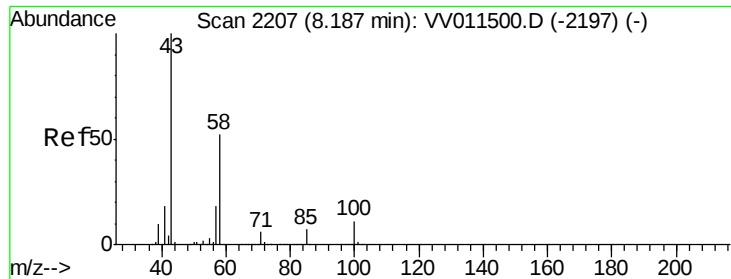
Ion 163.90 (163.60 to 164.60): V

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

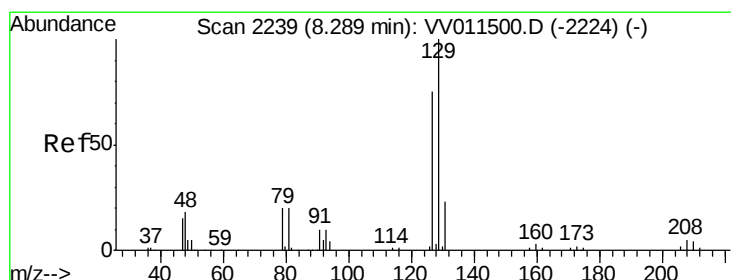
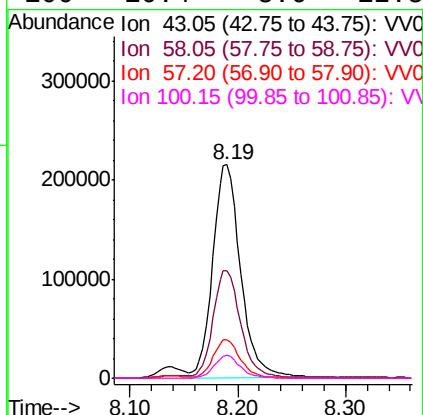
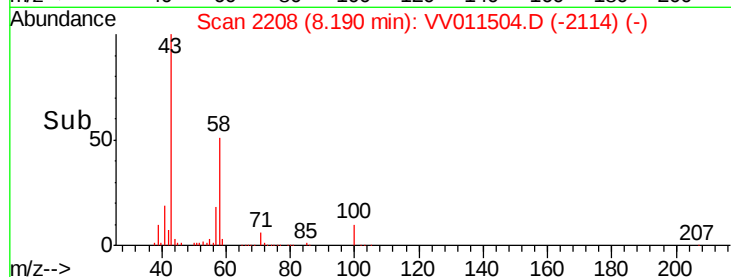
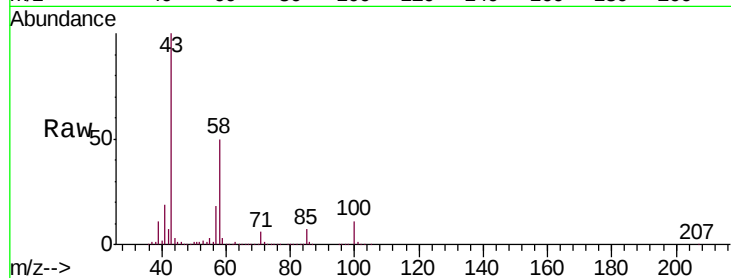




#48
2-Hexanone
Concen: 55.238 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

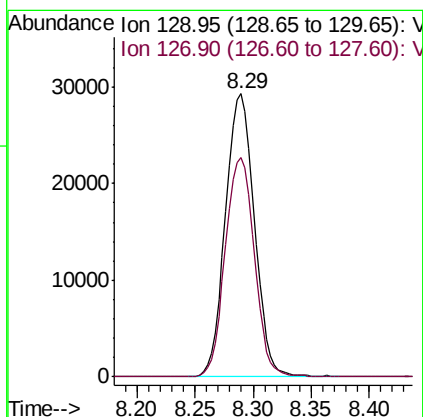
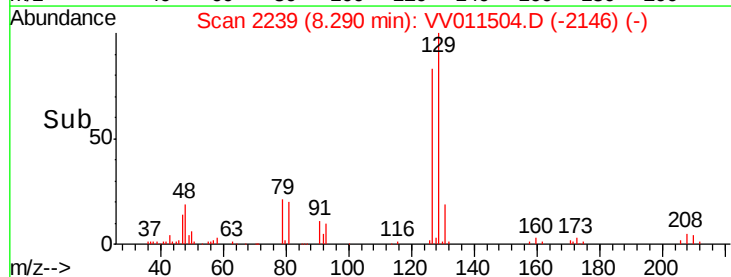
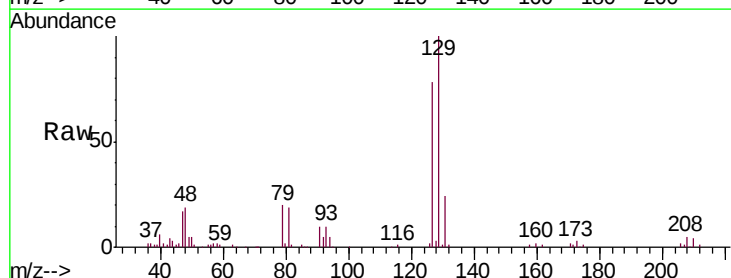
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

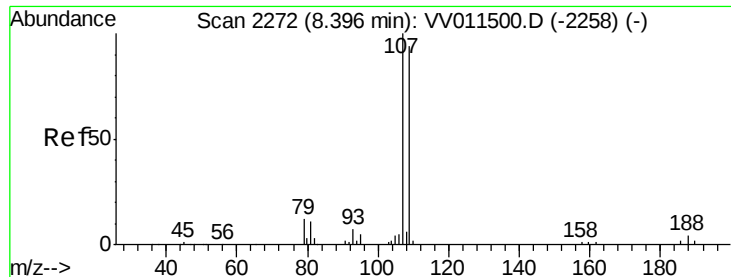
Tgt Ion: 43 Resp: 386072
Ion Ratio Lower Upper
43 100
58 49.8 40.6 60.8
57 17.6 14.2 21.4
100 10.4 8.6 12.8



#49
Dibromochloromethane
Concen: 5.420 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Tgt Ion: 129 Resp: 50702
Ion Ratio Lower Upper
129 100
127 77.6 52.6 97.6

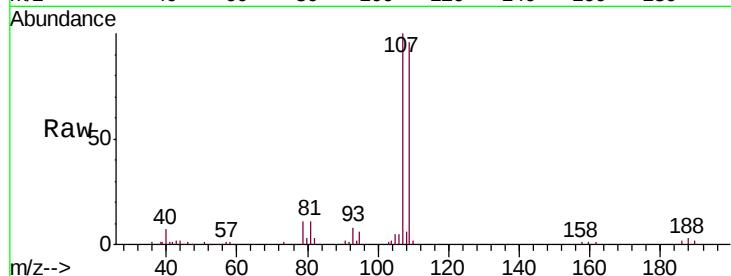




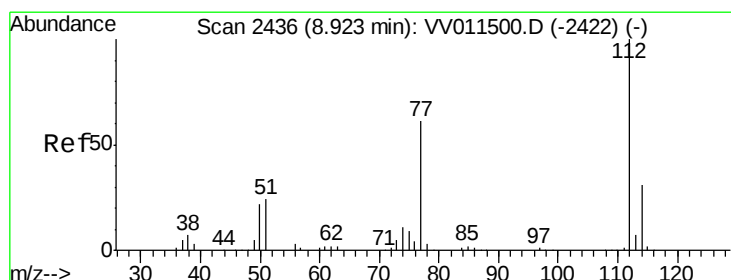
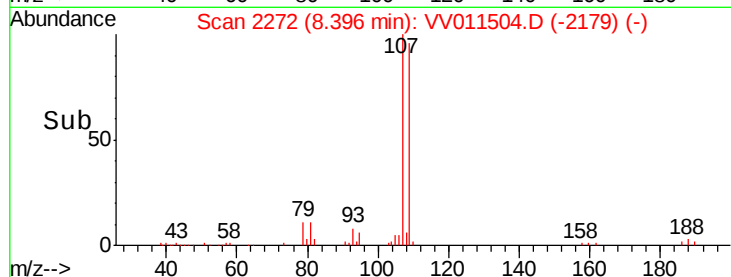
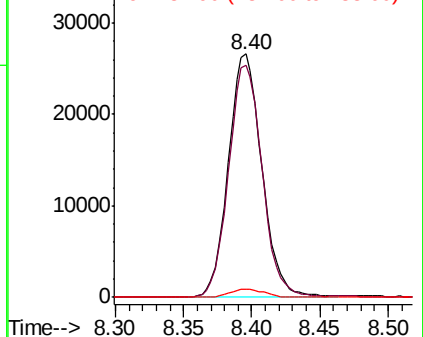
#50
1,2-Dibromoethane
Concen: 5.398 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion:107 Resp: 45448
Ion Ratio Lower Upper
107 100
109 95.6 65.7 121.9
188 3.2 2.9 4.3

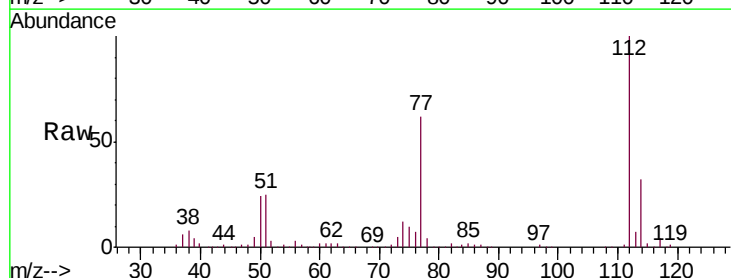


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

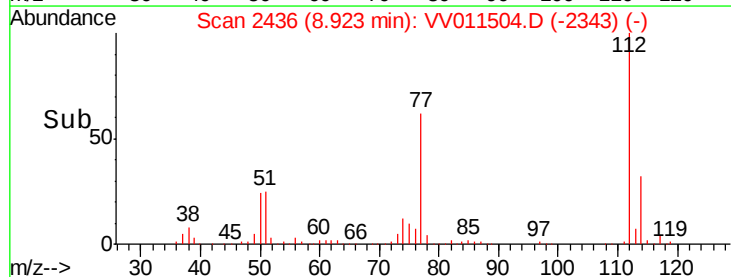
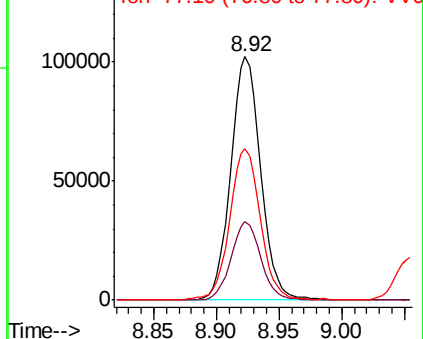


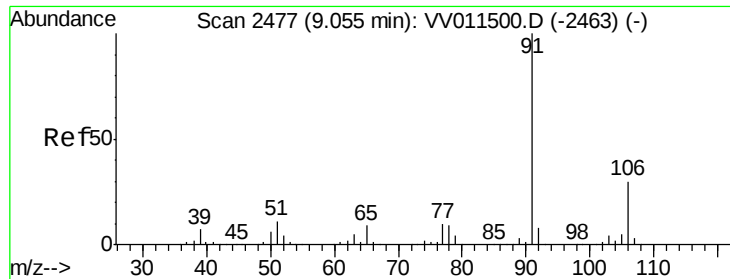
#51
Chlorobenzene
Concen: 5.069 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011504.D
Acq: 14 Jun 2019 20:42

Tgt Ion:112 Resp: 169053
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 62.3 49.3 73.9



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: 5.051 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

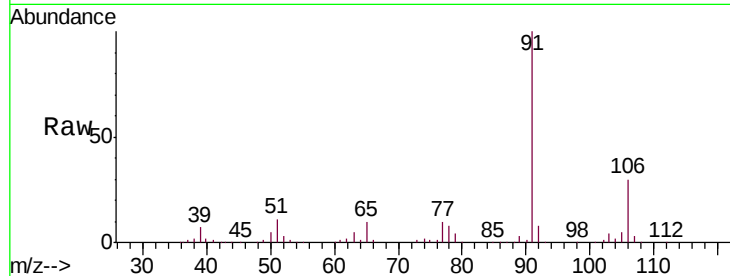
VSTD00554

Tgt Ion: 91 Resp: 288062

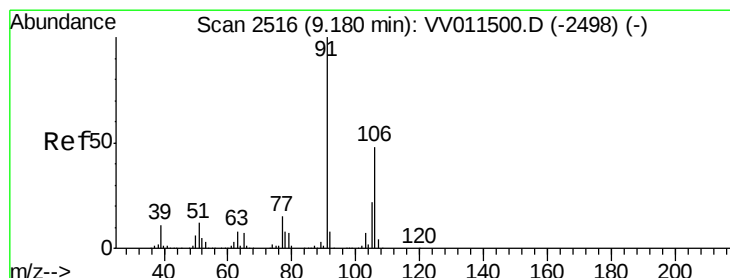
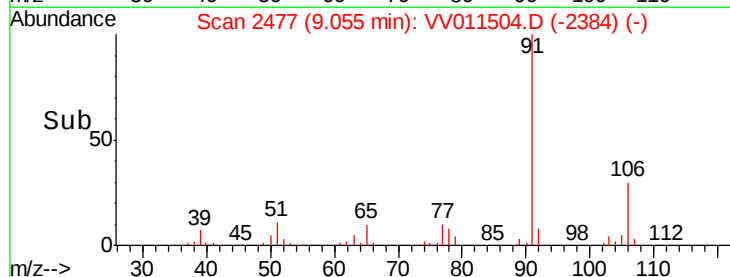
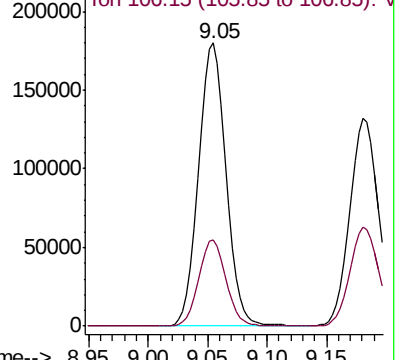
Ion Ratio Lower Upper

91 100

106 30.5 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VV011504.D (-2463) (-)



#53

m,p-xylene

Concen: 5.145 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011504.D

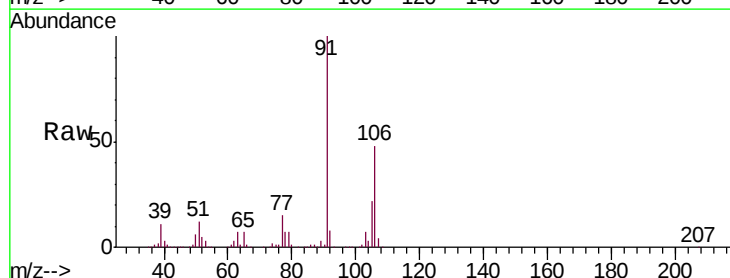
Acq: 14 Jun 2019 20:42

Tgt Ion: 106 Resp: 107382

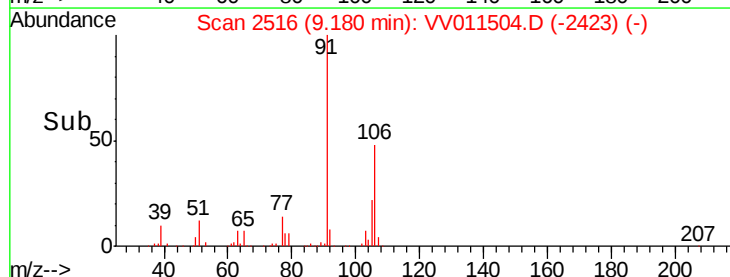
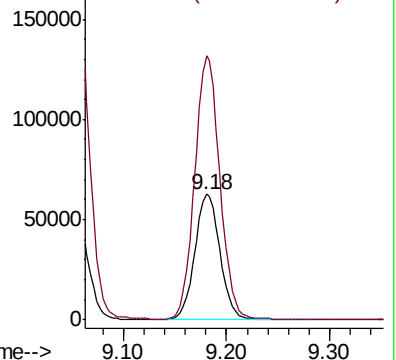
Ion Ratio Lower Upper

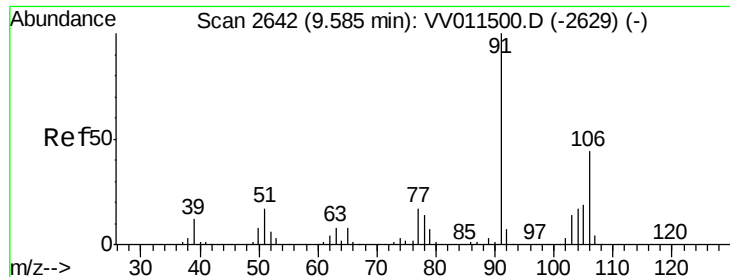
106 100

91 210.4 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011504.D (-2498) (-)





#54

o-xylene

Concen: 5.197 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

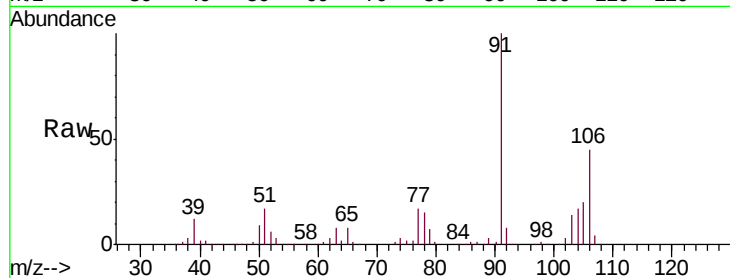
VSTD00554

Tgt Ion:106 Resp: 108942

Ion Ratio Lower Upper

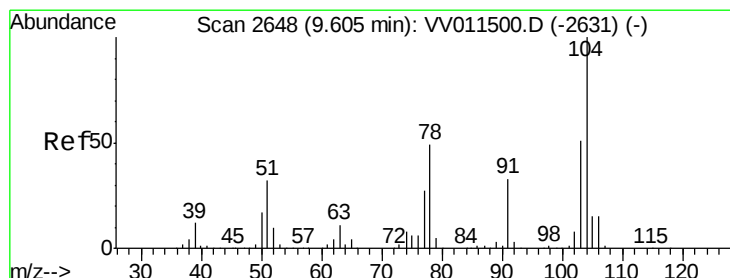
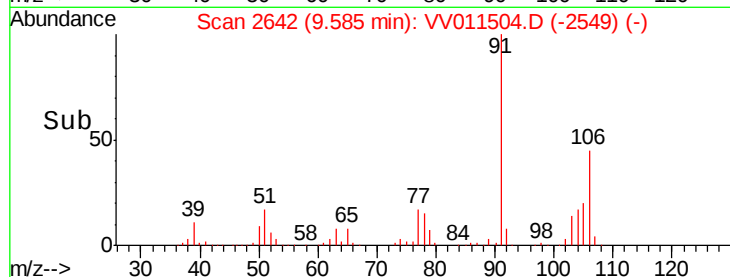
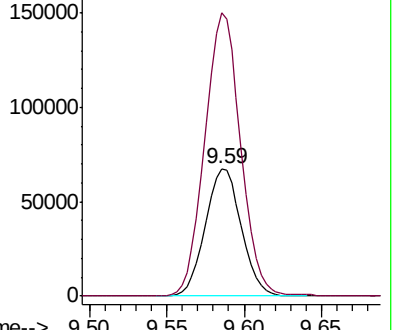
106 100

91 222.5 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.293 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011504.D

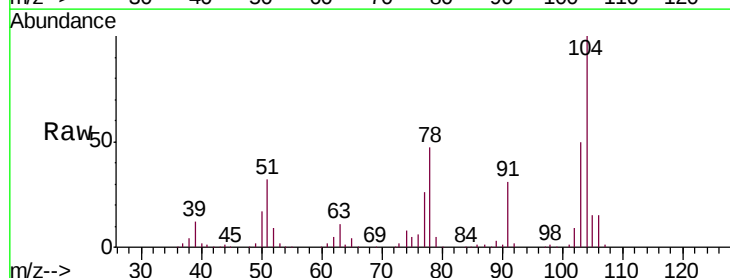
Acq: 14 Jun 2019 20:42

Tgt Ion:104 Resp: 184042

Ion Ratio Lower Upper

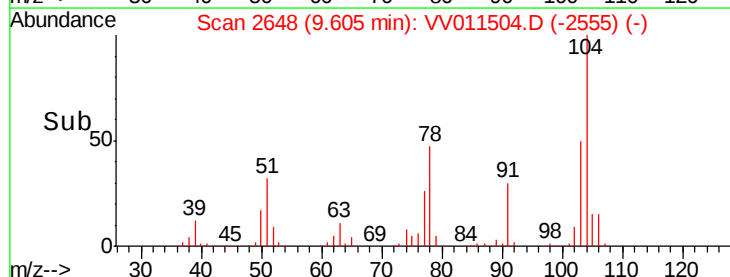
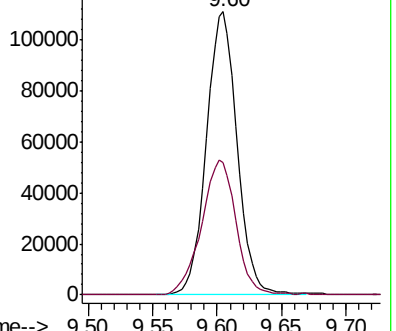
104 100

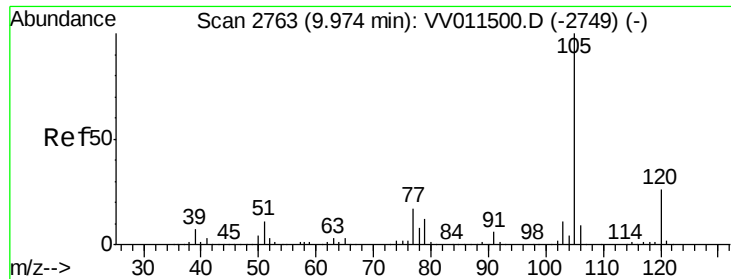
78 46.9 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.108 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

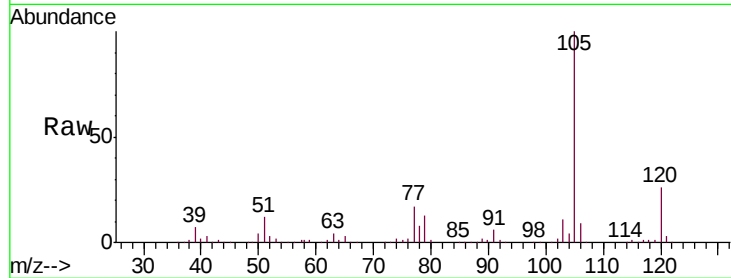
Tgt Ion: 105 Resp: 272525

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

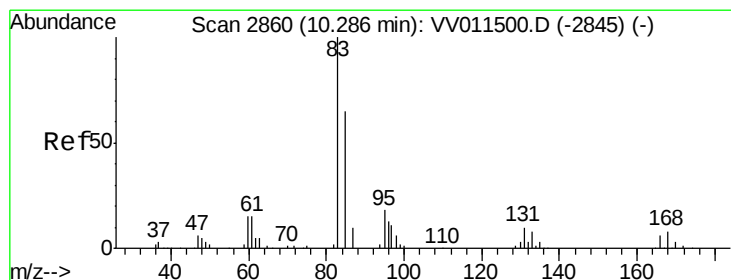
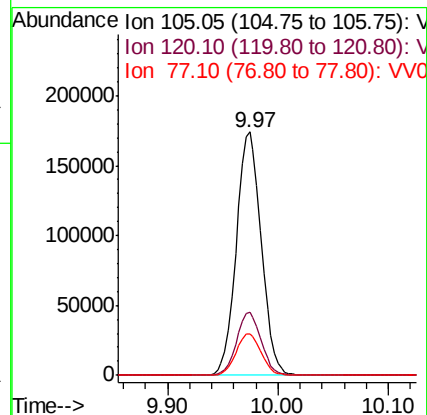
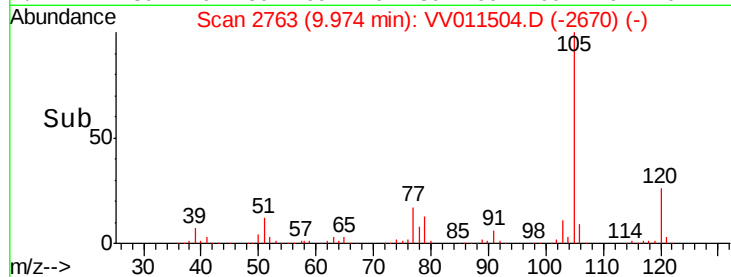
77 17.2 13.8 20.8



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: 5.279 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

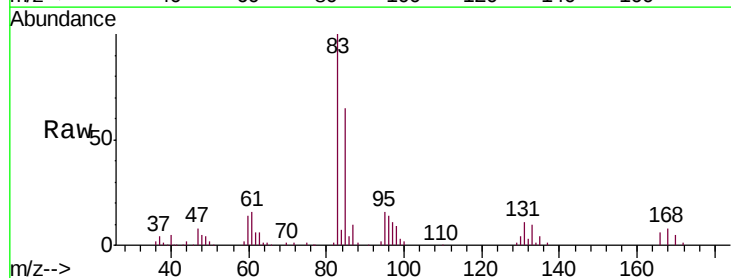
Tgt Ion: 83 Resp: 60094

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8

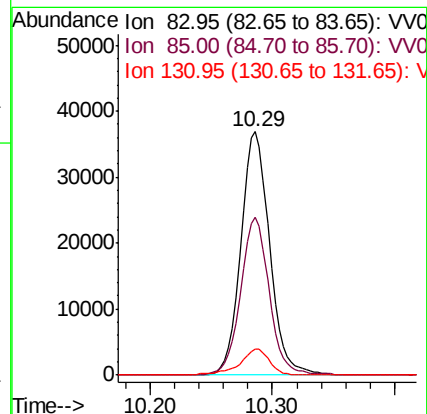
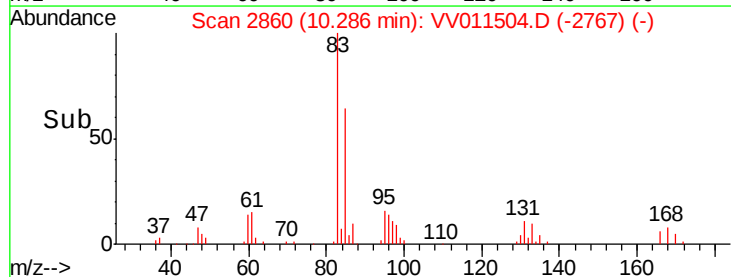
131 10.7 7.9 11.9

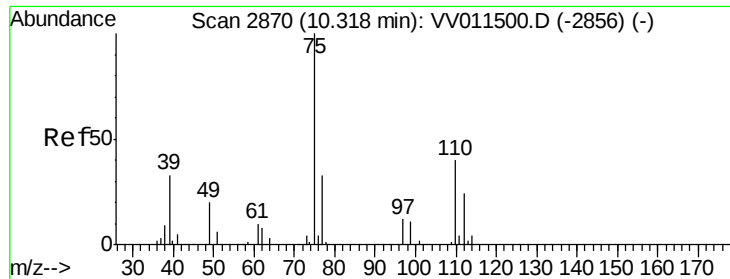


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.144 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

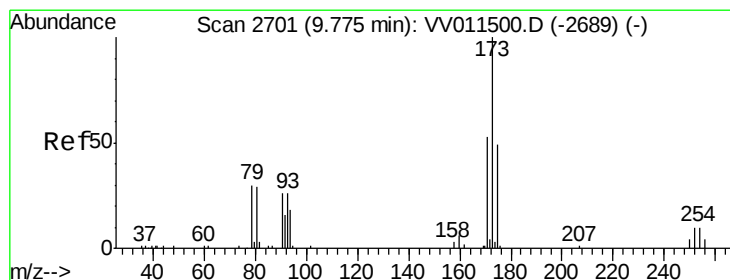
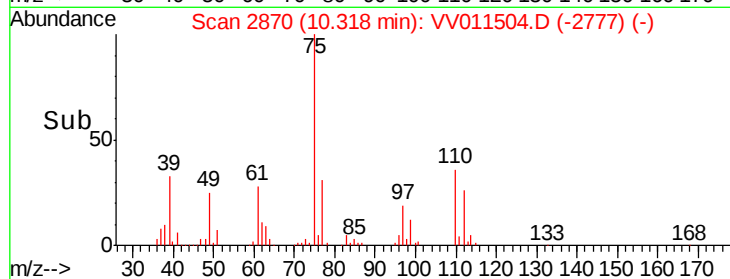
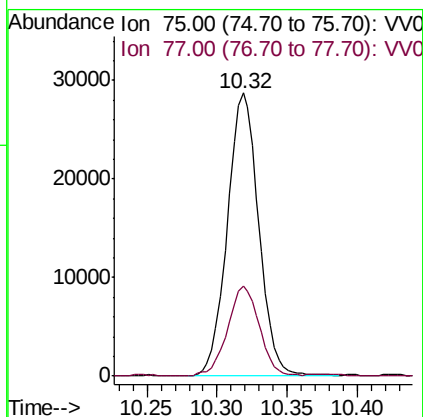
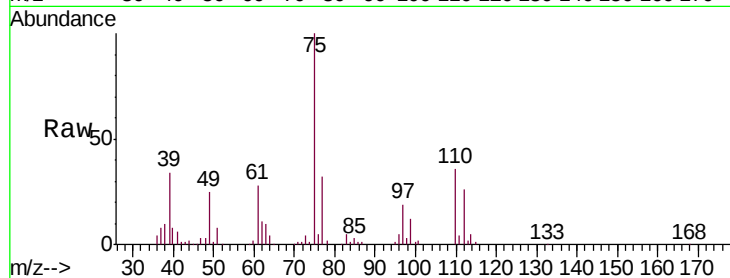
VSTD00554

Tgt Ion: 75 Resp: 44793

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0



#61

Bromoform

Concen: 5.289 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

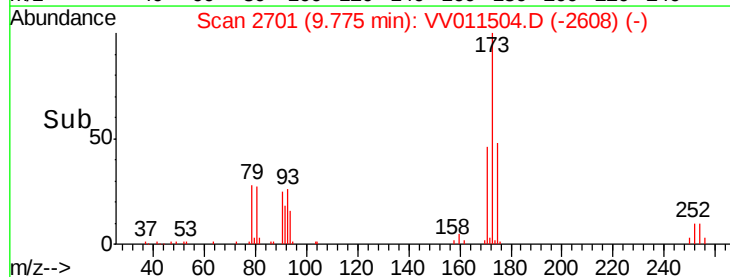
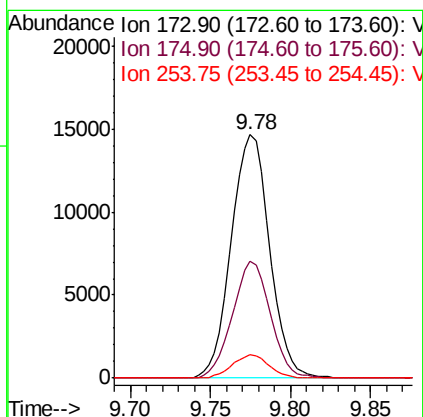
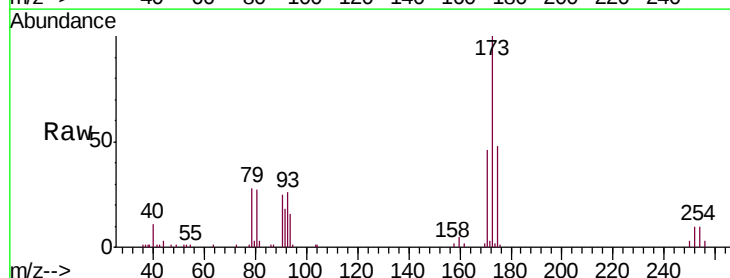
Tgt Ion: 173 Resp: 23930

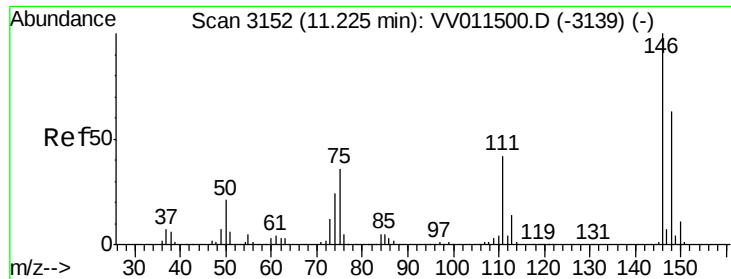
Ion Ratio Lower Upper

173 100

175 47.2 38.3 57.5

254 9.0 7.9 11.9

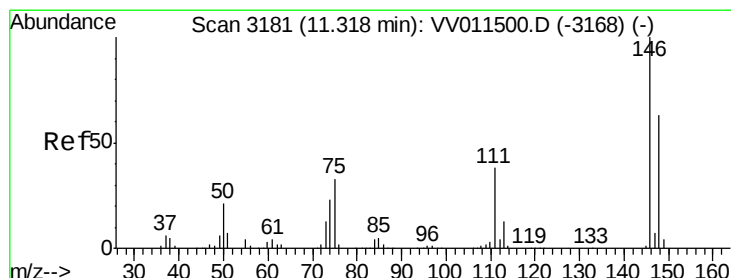
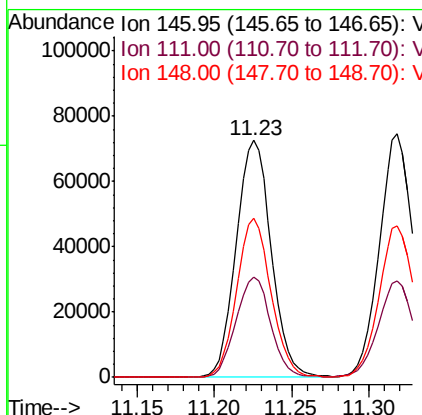
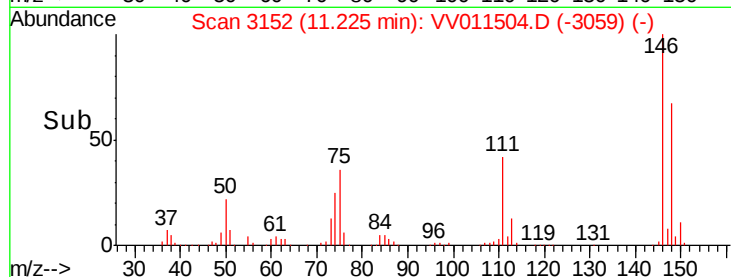
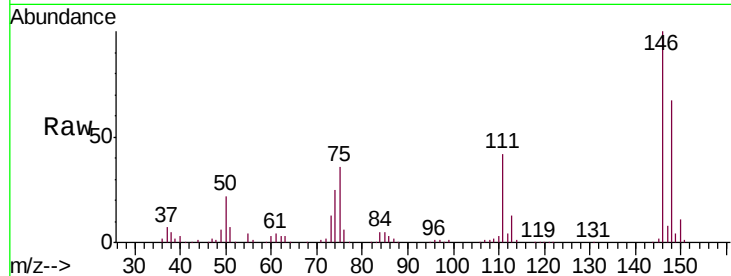




#62
 1,3-Dichlorobenzene
 Concen: 4.963 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

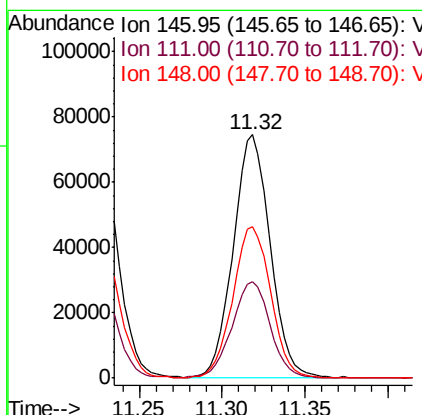
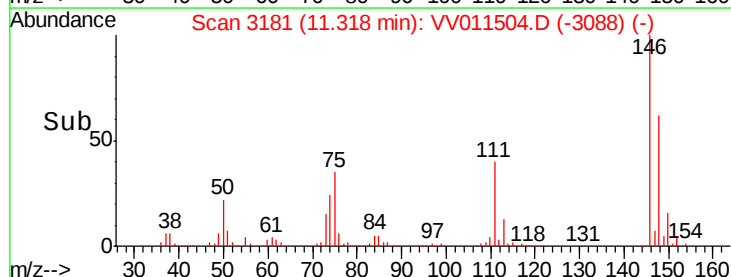
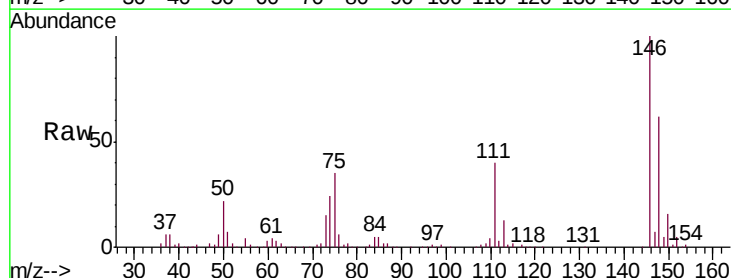
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00554

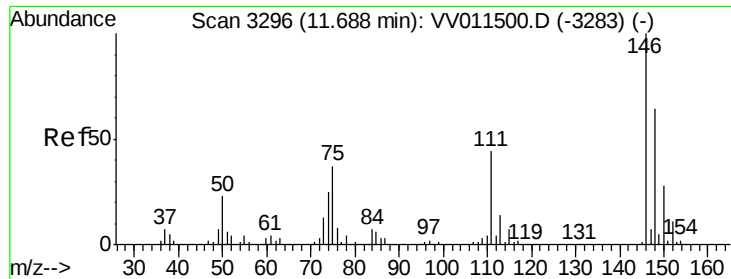
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	29.2	54.2
148	67.3	44.3	82.3



#63
 1,4-Dichlorobenzene
 Concen: 4.925 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011504.D
 Acq: 14 Jun 2019 20:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	26.7	49.7
148	62.3	44.2	82.2





#65

1,2-Dichlorobenzene

Concen: 5.013 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

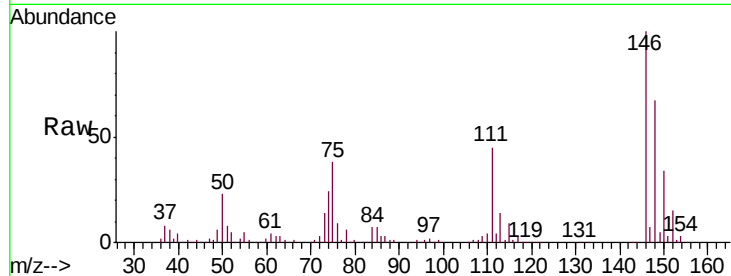
Tgt Ion:146 Resp: 116094

Ion Ratio Lower Upper

146 100

111 45.3 35.3 52.9

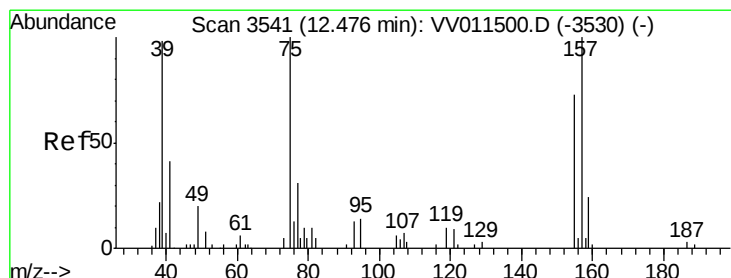
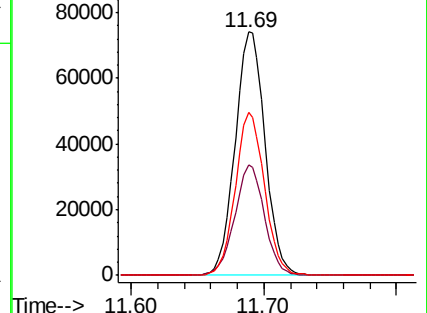
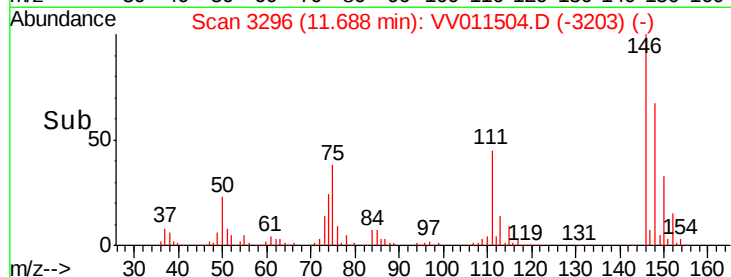
148 66.9 51.3 76.9



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: 4.955 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

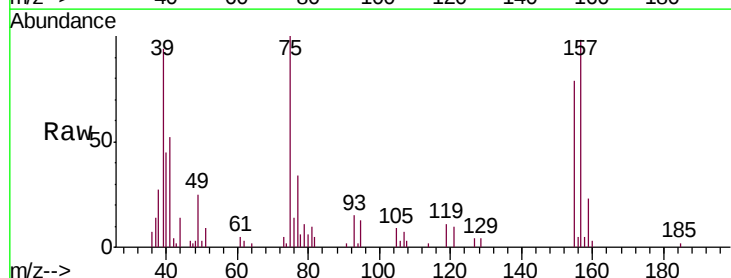
Tgt Ion: 75 Resp: 8334

Ion Ratio Lower Upper

75 100

155 78.5 58.5 87.7

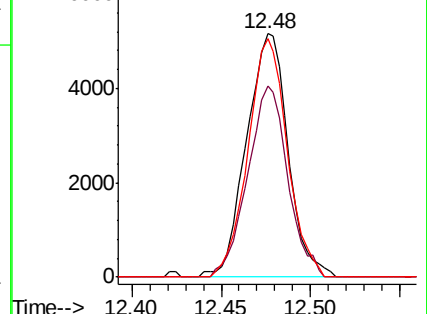
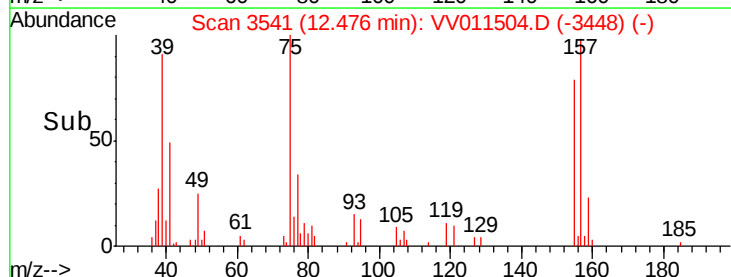
157 98.1 79.8 119.6

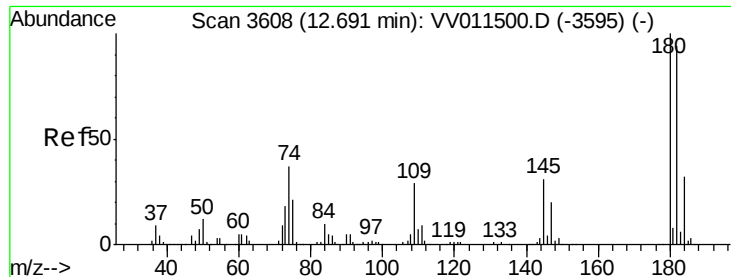


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.924 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

Tgt Ion:180 Resp: 82754

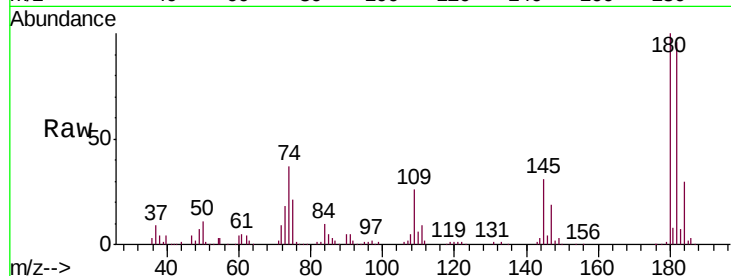
Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.0

184 30.7 24.0 36.0

145 31.1 24.4 36.6

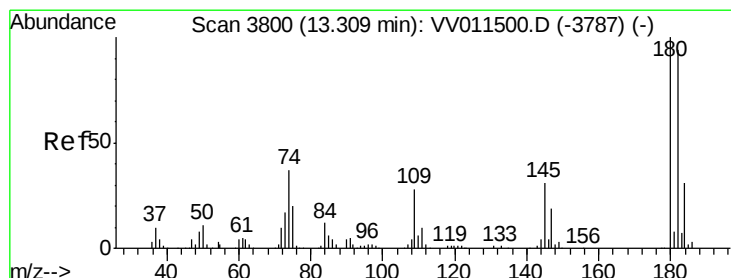
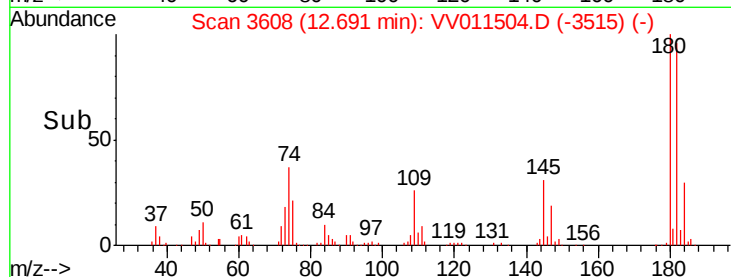
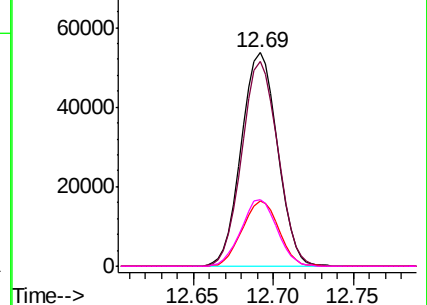


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 4.861 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

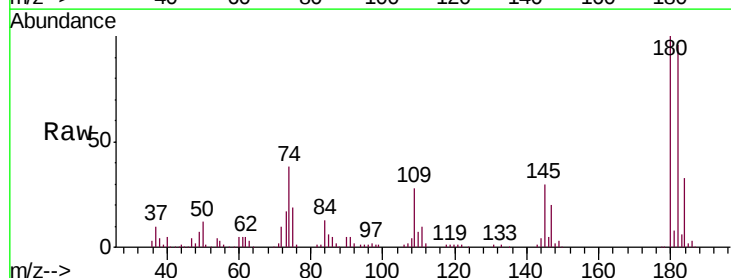
Tgt Ion:180 Resp: 65598

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.4

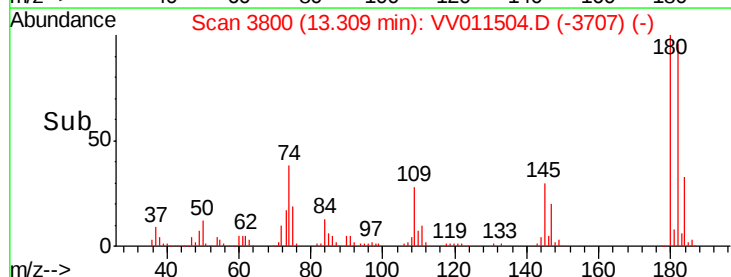
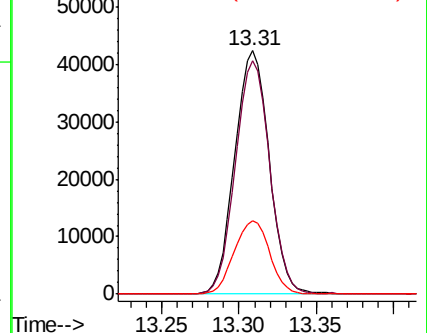
145 31.0 24.7 37.1

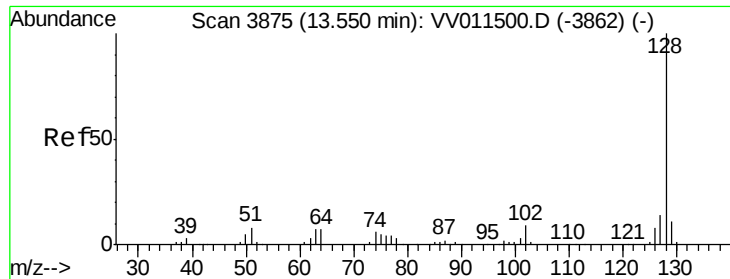


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.894 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

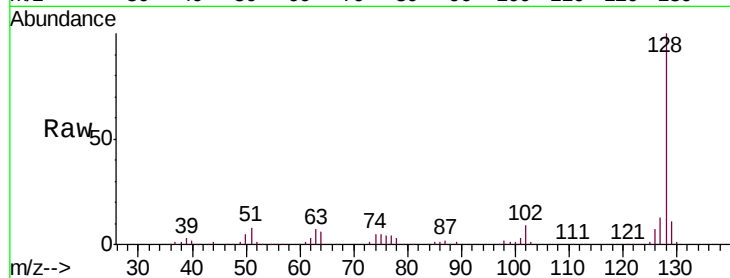
Tgt Ion:128 Resp: 129886

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

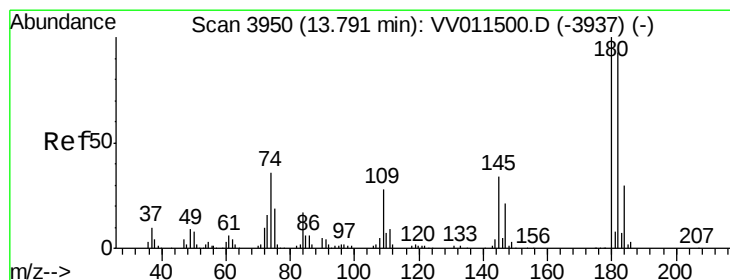
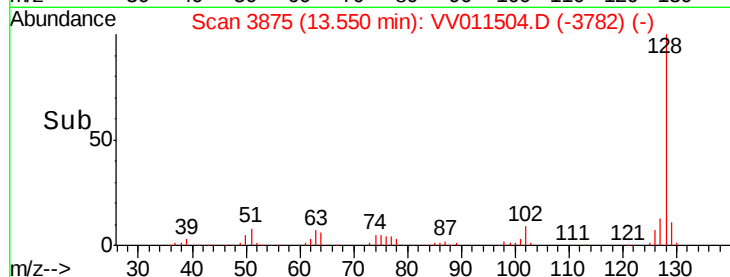
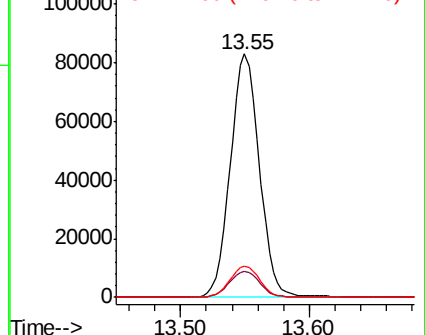
127 13.1 10.9 16.3



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: 4.991 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011504.D

Acq: 14 Jun 2019 20:42

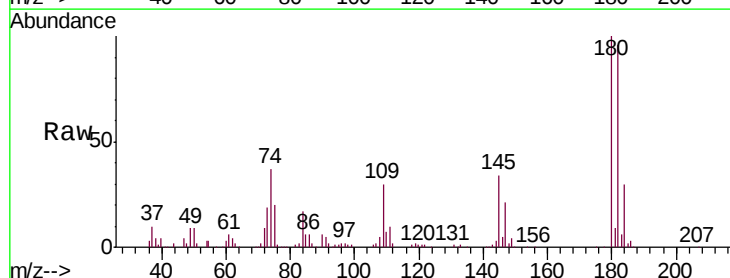
Tgt Ion:180 Resp: 65311

Ion Ratio Lower Upper

180 100

182 94.5 76.6 115.0

145 33.9 27.1 40.7



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

