

Data File : VV011223.D
Acq On : 05 Jun 2019 10:17
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB43

Quant Time: Jun 06 05:44:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 05 05:12:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	175076	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166708	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	78632	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60276	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.56	69	47004	4.26	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.12	63	122433	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	3.94	46	143160	47.93	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.86%
24) Chloroform-d	4.39	84	108869	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.08	65	58549	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.09	84	219996	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.11	67	66733	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.35	98	209569	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	7.66	79	25254	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.13	63	120864	48.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47618	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	72873	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	82334	4.768	ug/L	98
3) Chloromethane	1.25	50	76977	4.611	ug/L	97
5) Vinyl chloride	1.32	62	78418	4.868	ug/L	98
6) Bromomethane	1.51	94	37744	4.504	ug/L	99
8) Chloroethane	1.58	64	51255	4.979	ug/L	99
9) Trichlorofluoromethane	1.76	101	108697	4.916	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	55859	4.922	ug/L	98
12) 1,1-Dichloroethene	2.13	96	52128	4.726	ug/L	95
13) Acetone	2.19	43	96803	48.341	ug/L	100
14) Carbon disulfide	2.31	76	156010	4.662	ug/L	99
15) Methyl Acetate	2.46	43	24268	4.563	ug/L	97
16) Methylene chloride	2.53	84	54794	4.821	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	136418	4.633	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	59268	4.799	ug/L	98
19) 1,1-Dichloroethane	3.22	63	113502	4.659	ug/L	99
21) 2-Butanone	4.02	43	152612	49.487	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	64424	4.710	ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 05 05:12:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	24719	4.715	ug/L	93
25) Chloroform	4.42	83	115419	4.588	ug/L	98
27) 1,2-Dichloroethane	5.18	62	72689	4.728	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	98679	4.641	ug/L	99
30) Cyclohexane	4.72	56	108529	4.604	ug/L	98
31) Carbon tetrachloride	4.87	117	82852	4.662	ug/L	99
33) Benzene	5.14	78	247443	4.665	ug/L	100
34) Trichloroethene	5.96	95	63753	4.652	ug/L	97
35) Methylcyclohexane	6.17	83	103052	4.547	ug/L	99
37) 1,2-Dichloropropane	6.22	63	61025	4.622	ug/L	99
38) Bromodichloromethane	6.55	83	75402	4.619	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	88014	4.556	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	400849	47.677	ug/L	99
42) Toluene	7.43	91	269269	4.763	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	64845	4.416	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	38632	4.571	ug/L	99
47) Tetrachloroethene	8.02	164	48209	4.868	ug/L	98
48) 2-Hexanone	8.18	43	285377	48.668	ug/L	99
49) Dibromochloromethane	8.29	129	43801	4.563	ug/L	99
50) 1,2-Dibromoethane	8.40	107	36359	4.526	ug/L	99
51) Chlorobenzene	8.92	112	166416	4.827	ug/L	98
52) Ethylbenzene	9.05	91	306211	4.877	ug/L	99
53) m,p-xylene	9.18	106	113204	4.875	ug/L	98
54) o-xylene	9.59	106	111454	4.891	ug/L	99
55) Styrene	9.60	104	183348	4.940	ug/L	98
56) Isopropylbenzene	9.97	105	299140	4.877	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	46935	4.581	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	36428	4.731	ug/L	96
61) Bromoform	9.77	173	21159	4.479	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	123060	4.733	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	122578	4.856	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	116285	4.838	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7990	4.639	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	90578	4.842	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	68605	4.831	ug/L	96
69) Naphthalene	13.55	128	106259	4.571	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62491	4.907	ug/L	97

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BFB43

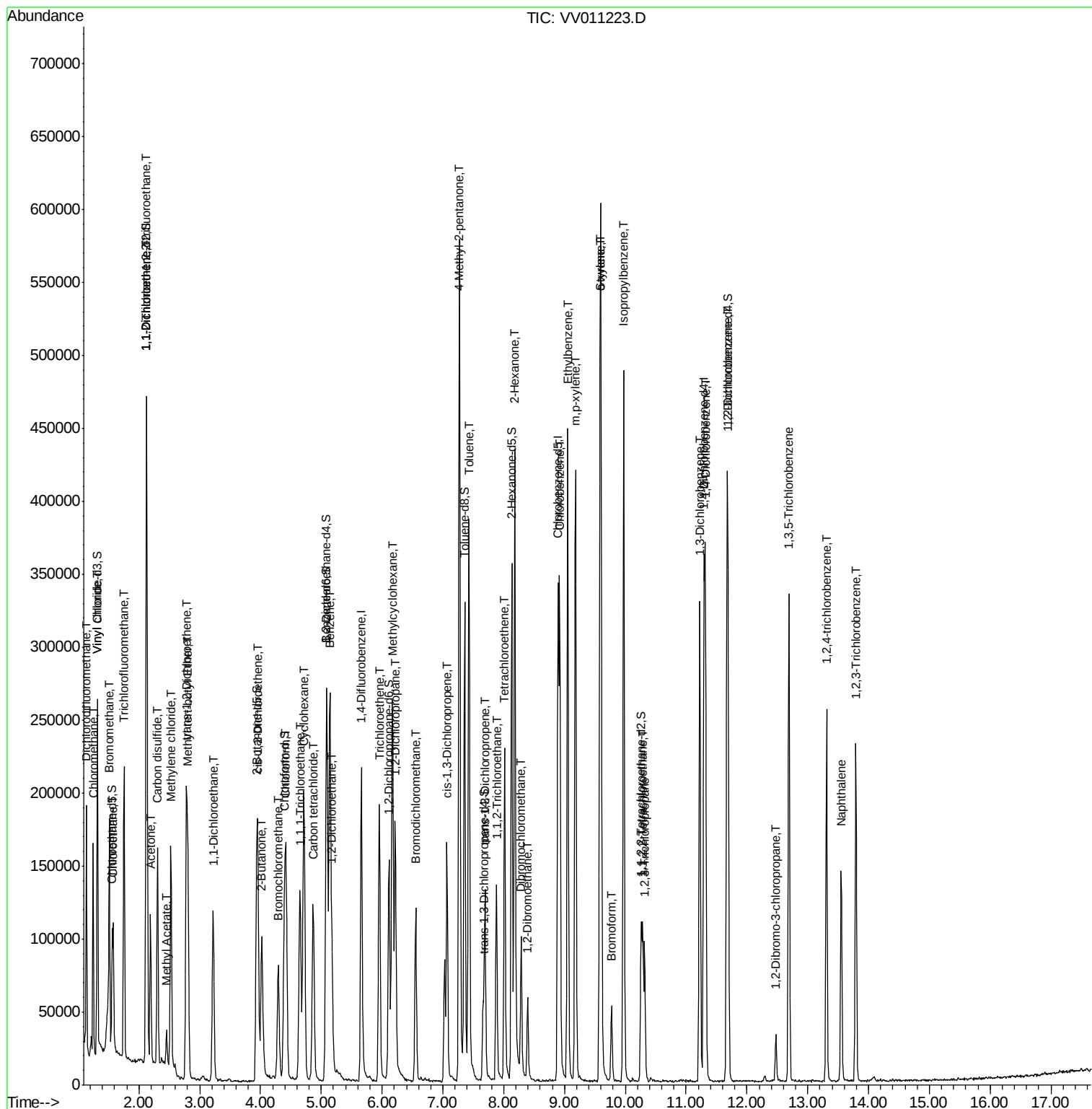
Quant Time: Jun 06 05:44:21 2019

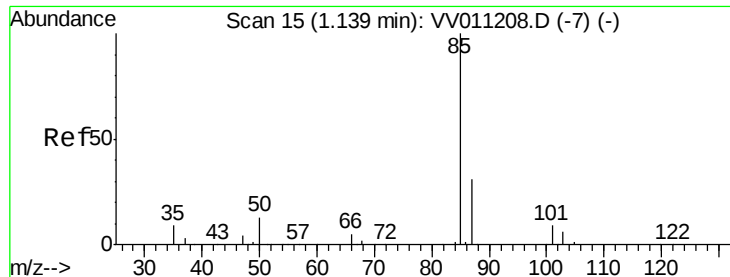
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jun 05 05:12:22 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.768 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

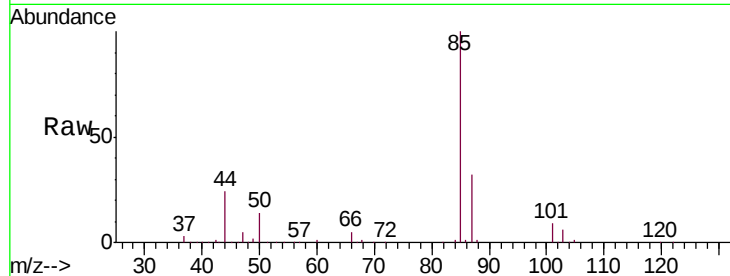
BFB43

Tgt Ion: 85 Resp: 82334

Ion Ratio Lower Upper

85 100

87 32.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

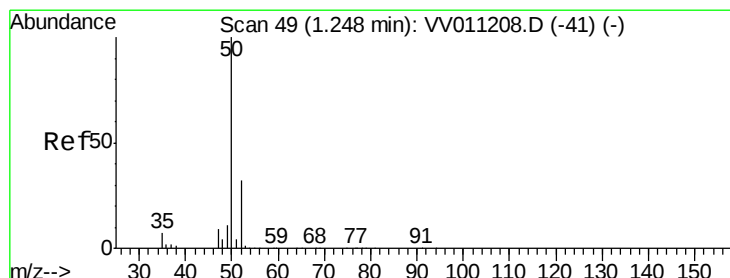
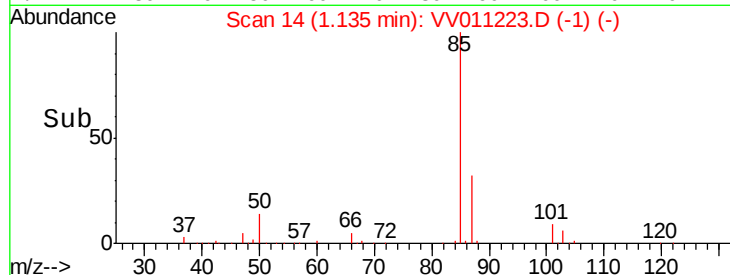
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 4.611 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011223.D

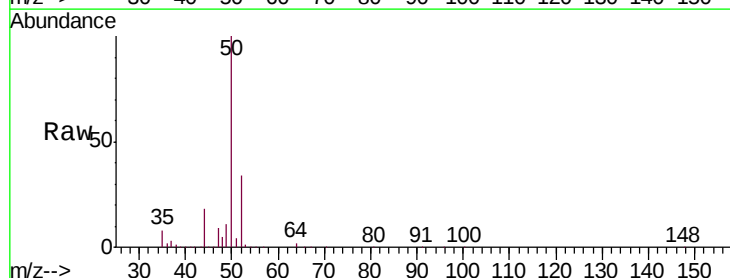
Acq: 05 Jun 2019 10:17

Tgt Ion: 50 Resp: 76977

Ion Ratio Lower Upper

50 100

52 33.7 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

80000

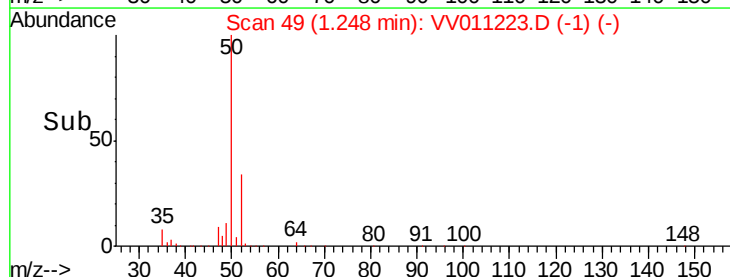
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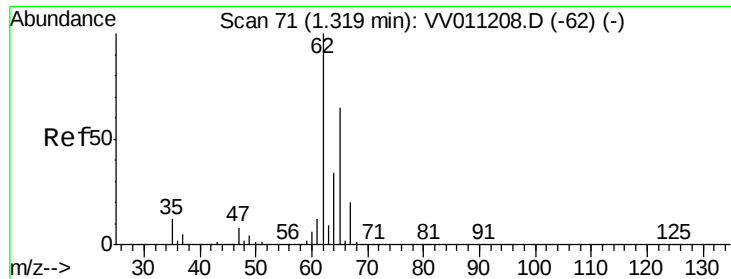
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 4.868 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

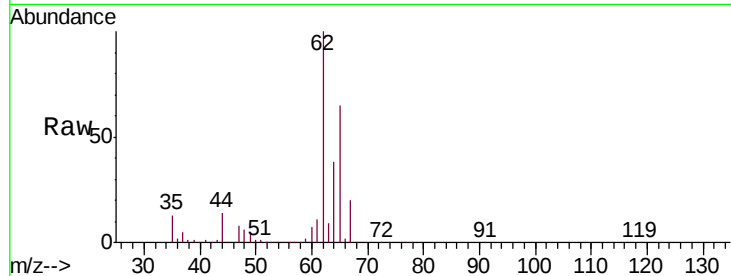
BFB43

Tgt Ion: 62 Resp: 78418

Ion Ratio Lower Upper

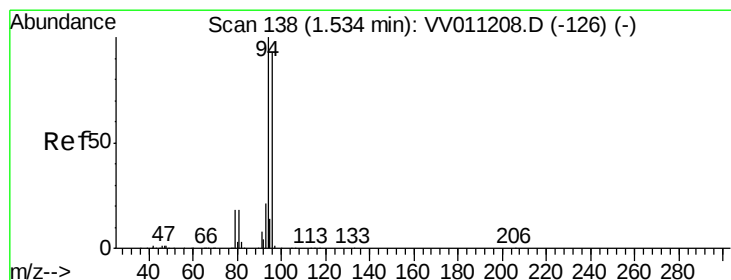
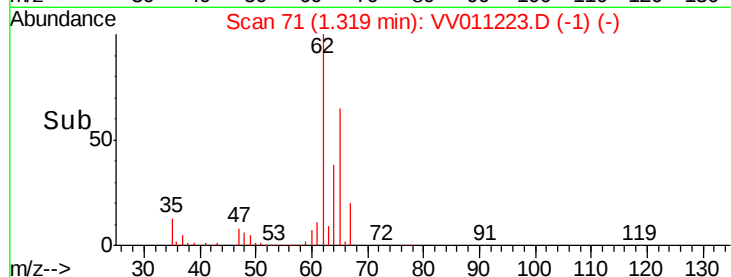
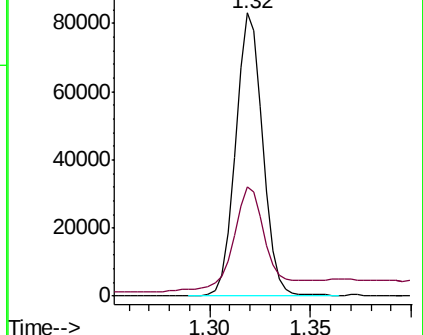
62 100

64 38.4 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV011208.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011223.D (-1) (-)



#6

Bromomethane

Concen: 4.504 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.02 min

Lab File: VV011223.D

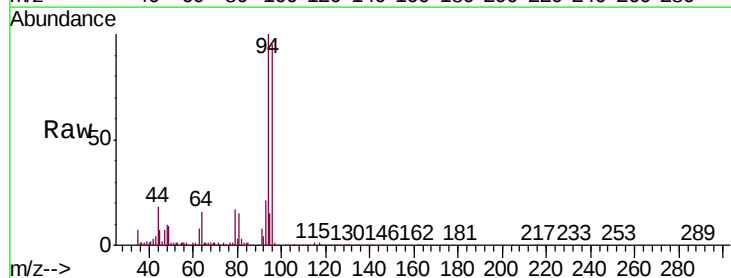
Acq: 05 Jun 2019 10:17

Tgt Ion: 94 Resp: 37744

Ion Ratio Lower Upper

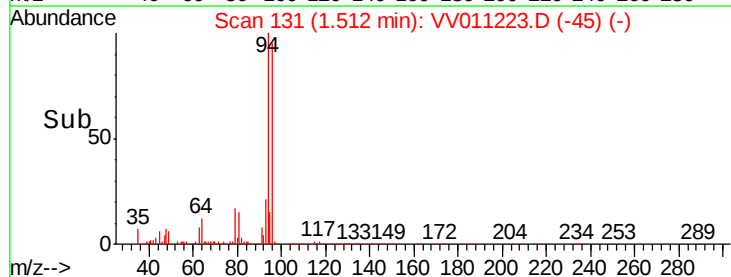
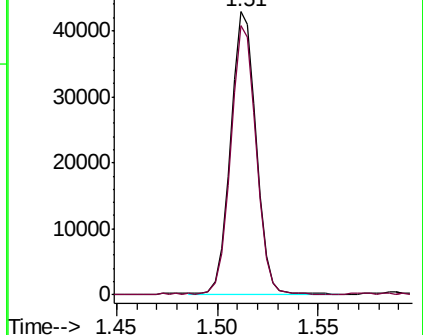
94 100

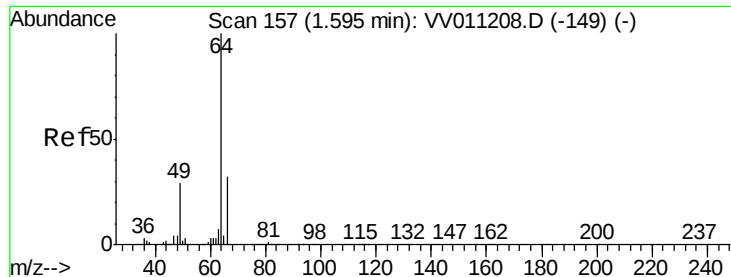
96 94.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011208.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV011223.D (-45) (-)





#8

Chloroethane

Concen: 4.979 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

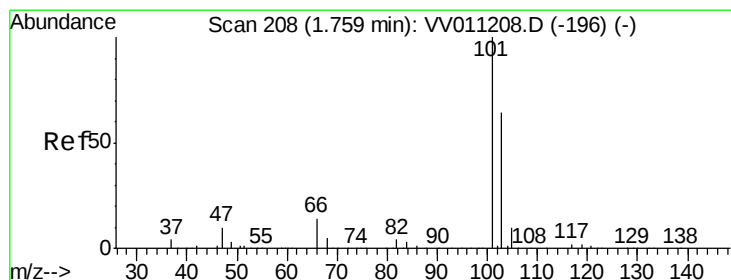
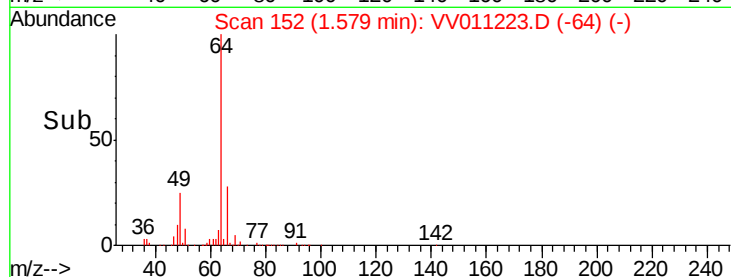
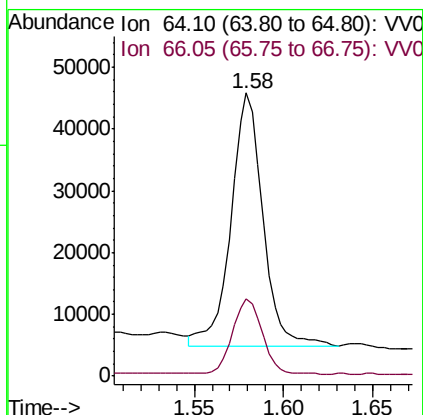
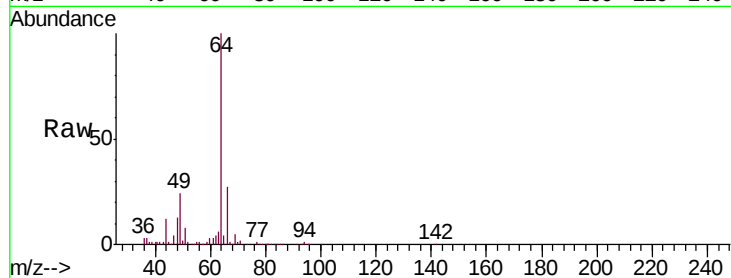
BFB43

Tgt Ion: 64 Resp: 51255

Ion Ratio Lower Upper

64 100

66 27.2 19.4 36.0



#9

Trichlorofluoromethane

Concen: 4.916 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011223.D

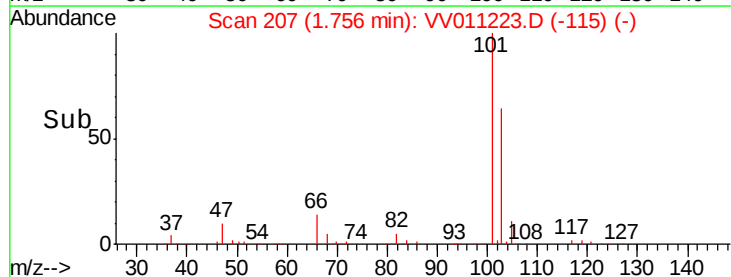
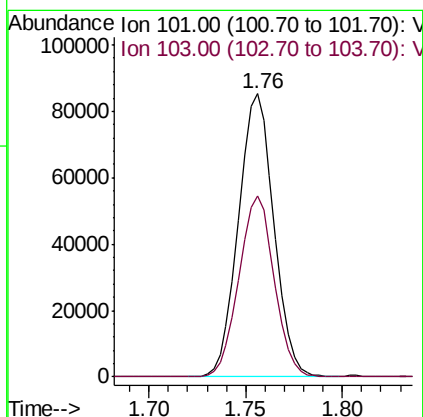
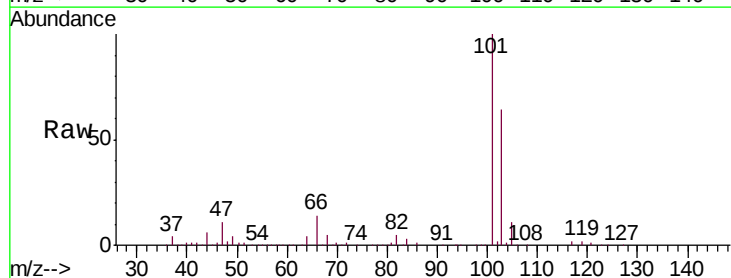
Acq: 05 Jun 2019 10:17

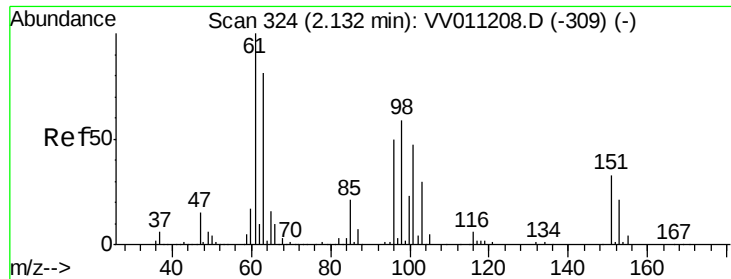
Tgt Ion: 101 Resp: 108697

Ion Ratio Lower Upper

101 100

103 64.2 50.8 76.2





#10

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

Concen: 4.922 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

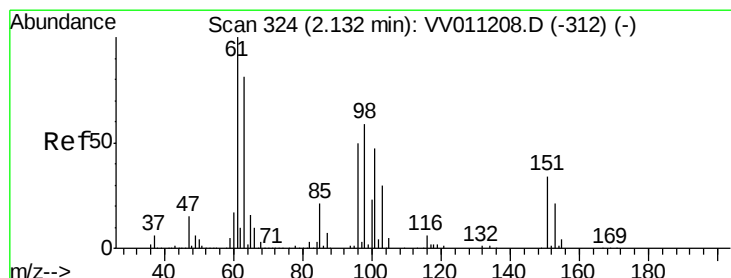
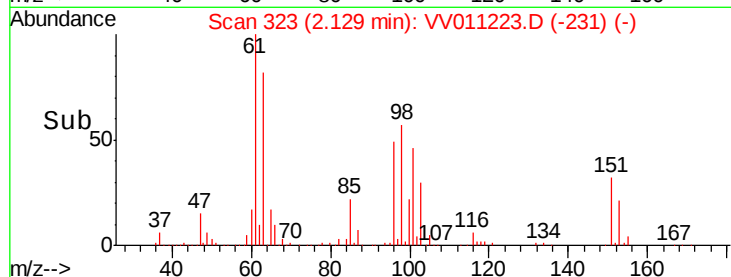
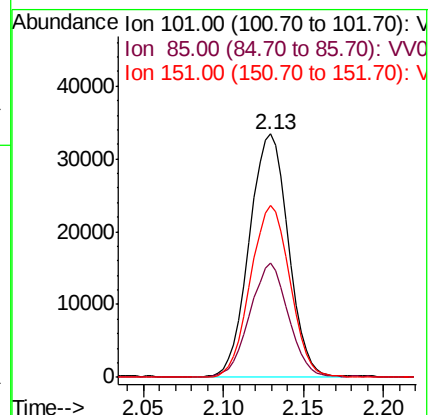
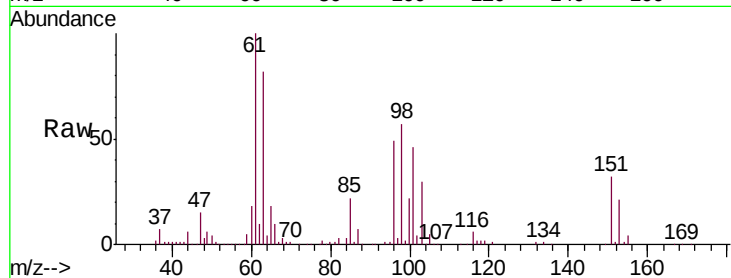
Tgt Ion: 101 Resp: 55859

Ion Ratio Lower Upper

101 100

85 46.3 35.5 53.3

151 71.7 56.9 85.3



#12

1,1-Dichloroethene

Concen: 4.726 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

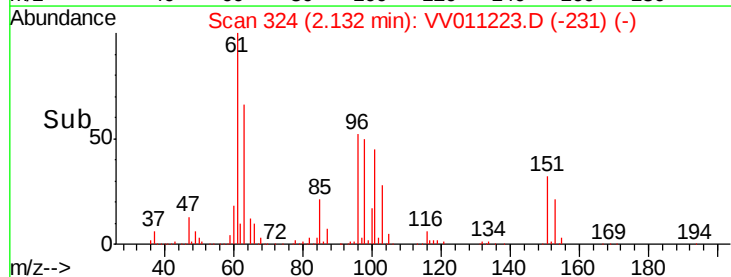
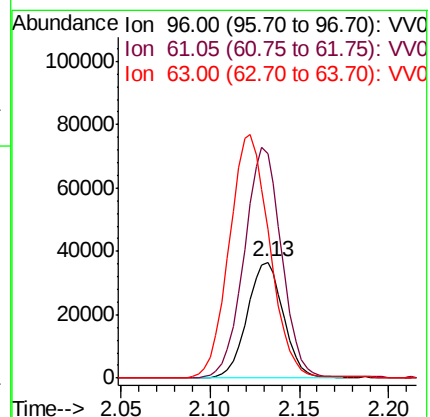
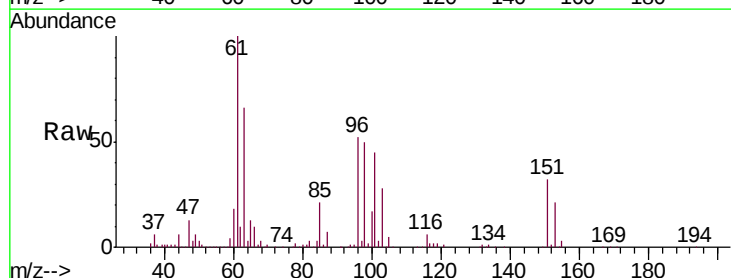
Tgt Ion: 96 Resp: 52128

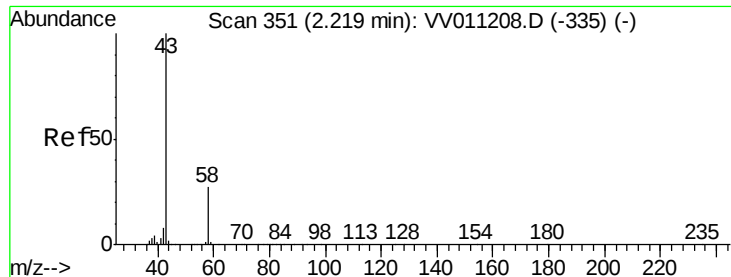
Ion Ratio Lower Upper

96 100

61 193.3 139.8 259.6

63 128.2 94.3 175.1





#13

Acetone

Concen: 48.341 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

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ClientSampleId :

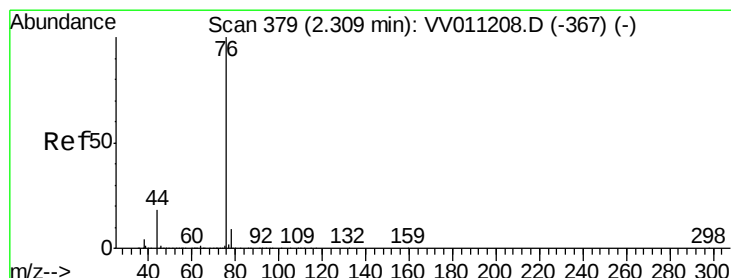
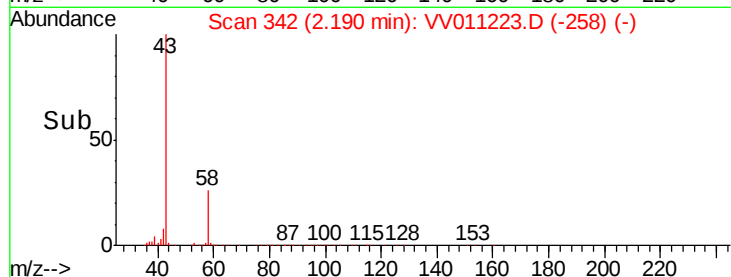
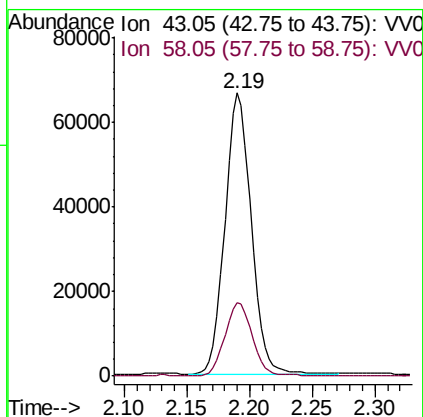
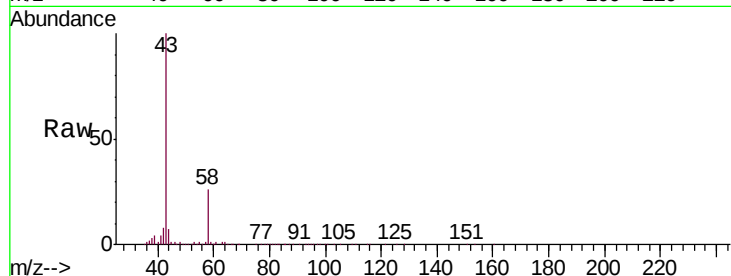
BFB43

Tgt Ion: 43 Resp: 96803

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.2



#14

Carbon disulfide

Concen: 4.662 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011223.D

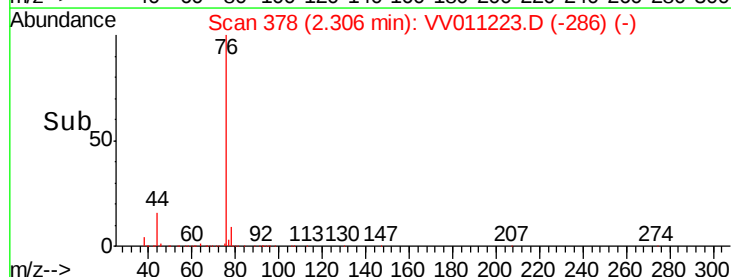
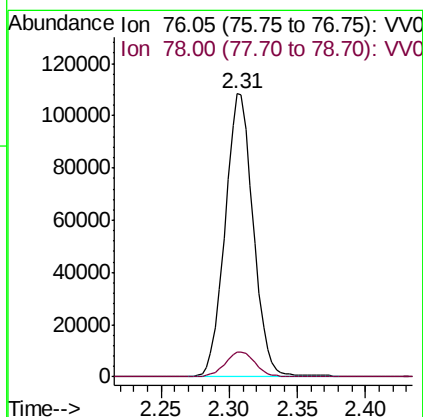
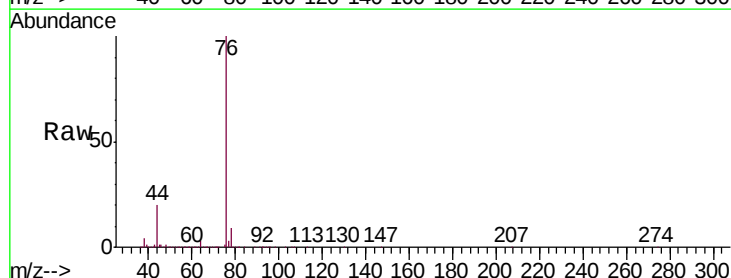
Acq: 05 Jun 2019 10:17

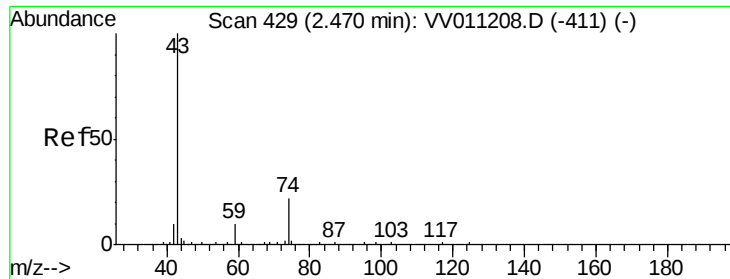
Tgt Ion: 76 Resp: 156010

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9

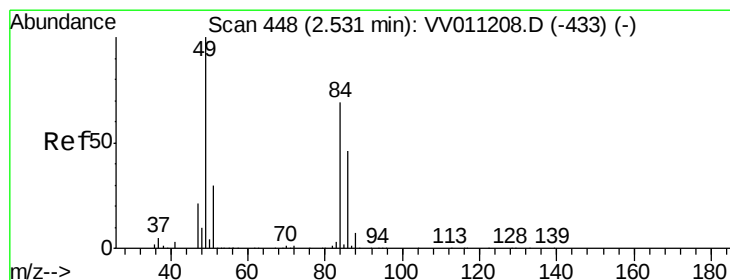
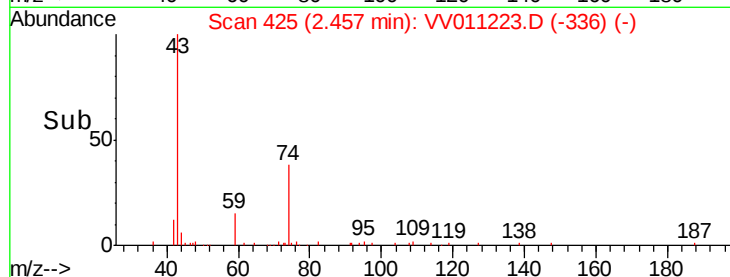
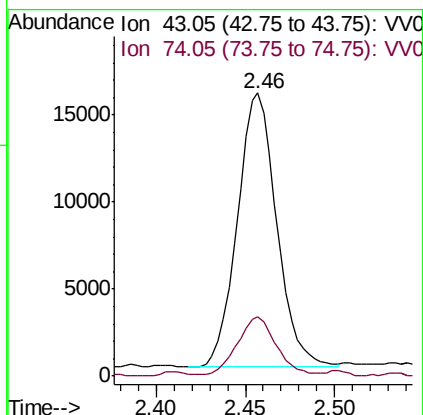
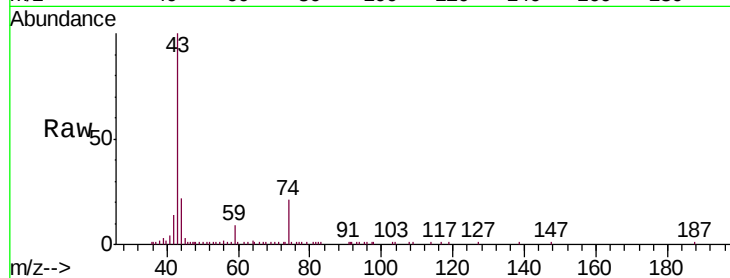




#15
Methyl Acetate
Concen: 4.563 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

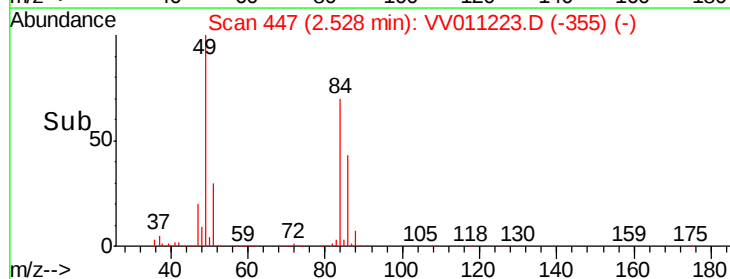
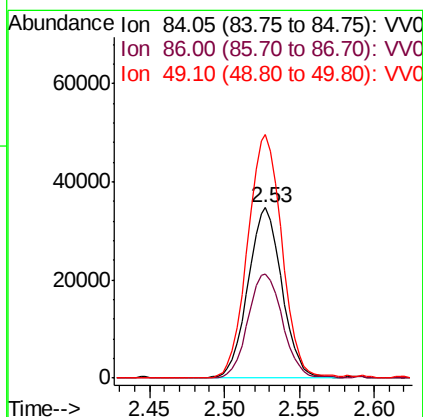
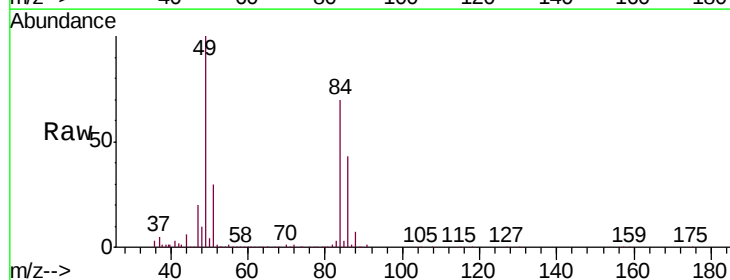
Instrument :
MSVOA_V
ClientSampleId :
BFB43

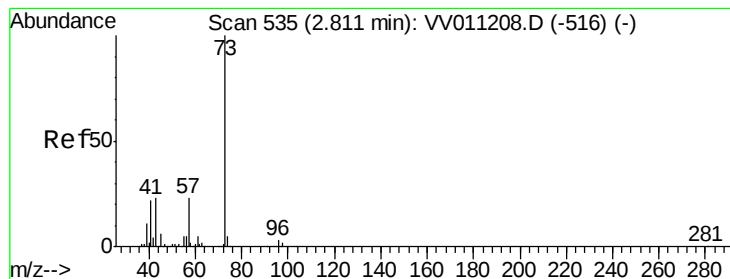
Tgt Ion: 43 Resp: 24268
Ion Ratio Lower Upper
43 100
74 21.9 18.5 27.7



#16
Methylene chloride
Concen: 4.821 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Tgt Ion: 84 Resp: 54794
Ion Ratio Lower Upper
84 100
86 61.1 44.9 83.3
49 143.0 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 4.633 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.01 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

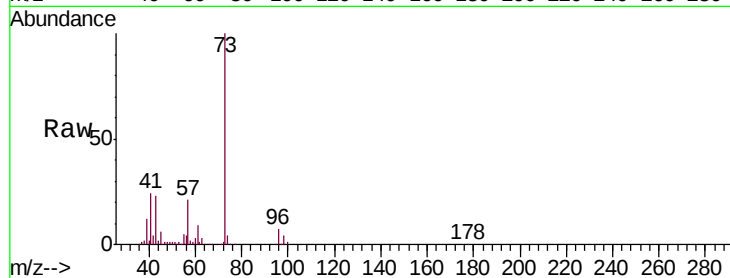
Tgt Ion: 73 Resp: 136418

Ion Ratio Lower Upper

73 100

43 23.3 18.7 28.1

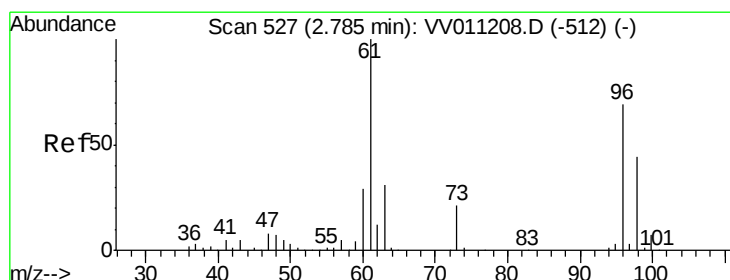
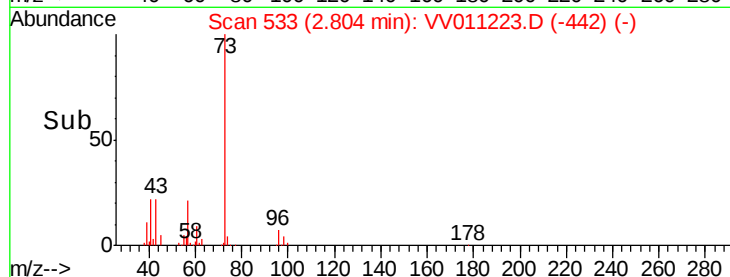
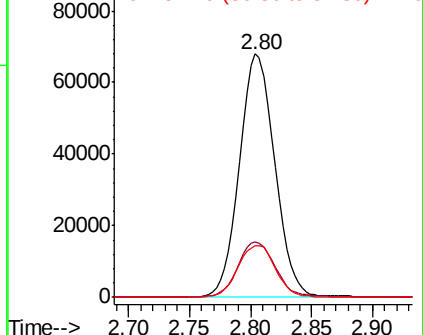
57 22.8 18.1 27.1



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: 4.799 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

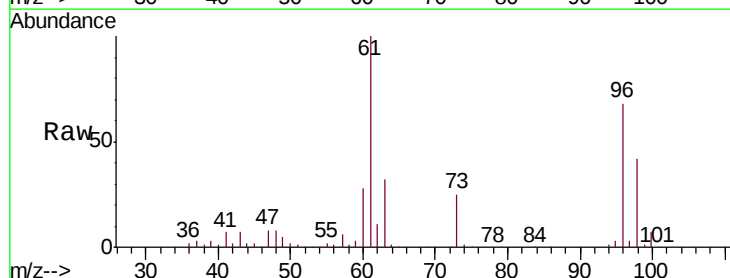
Tgt Ion: 96 Resp: 59268

Ion Ratio Lower Upper

96 100

61 147.6 104.0 193.2

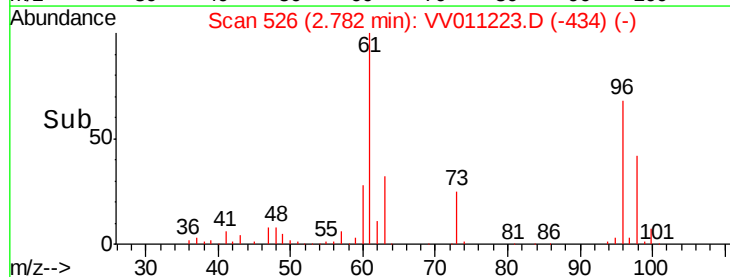
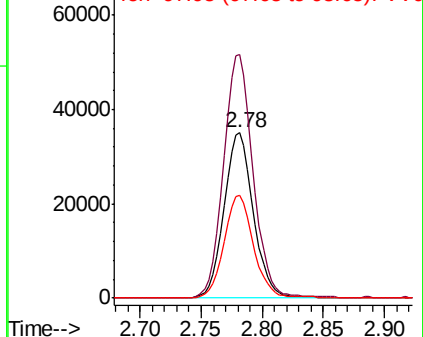
98 62.1 45.7 84.9

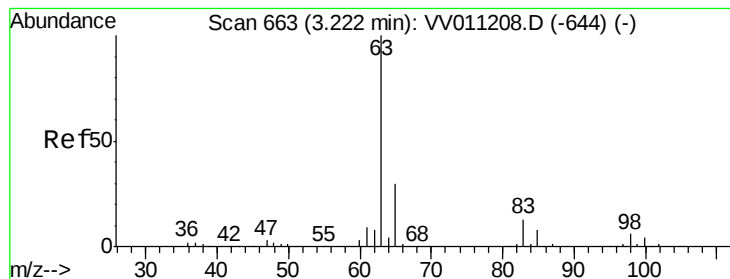


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.659 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampled :

BFB43

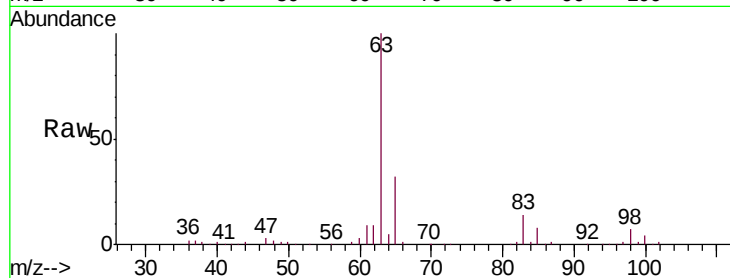
Tgt Ion: 63 Resp: 113502

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

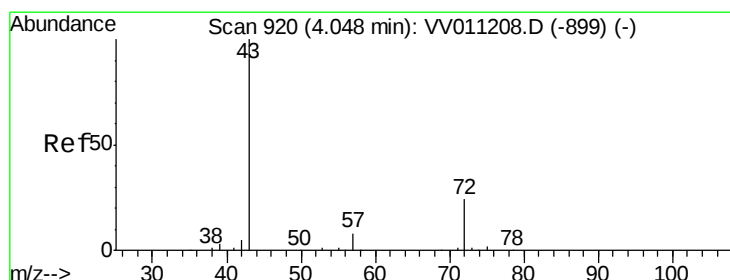
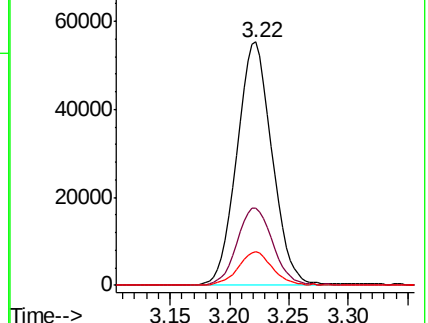
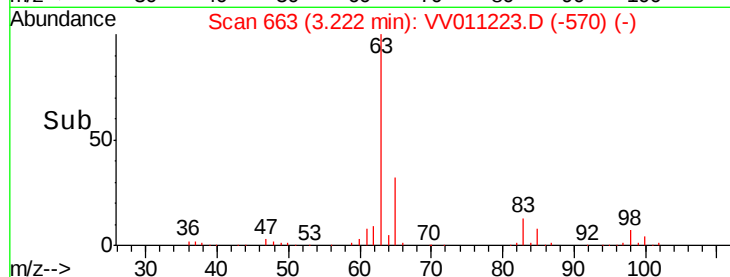
83 13.7 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV011223.D (-570) (-)

Ion 65.10 (64.80 to 65.80): VV011223.D (-570) (-)

Ion 83.05 (82.75 to 83.75): VV011223.D (-570) (-)



#21

2-Butanone

Concen: 49.487 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.03 min

Lab File: VV011223.D

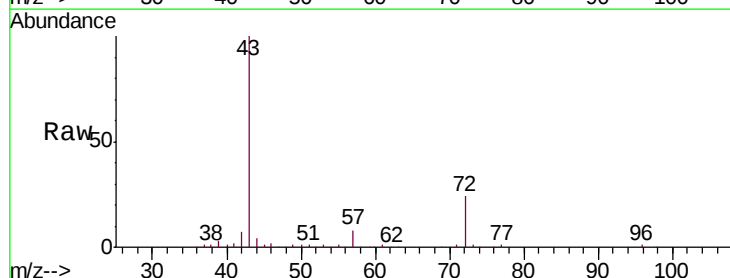
Acq: 05 Jun 2019 10:17

Tgt Ion: 43 Resp: 152612

Ion Ratio Lower Upper

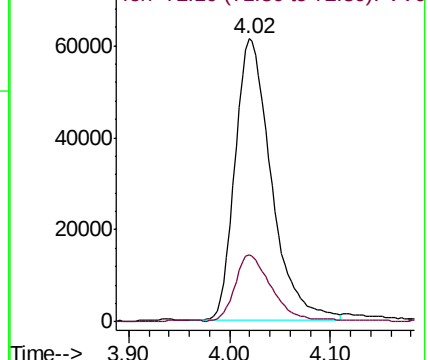
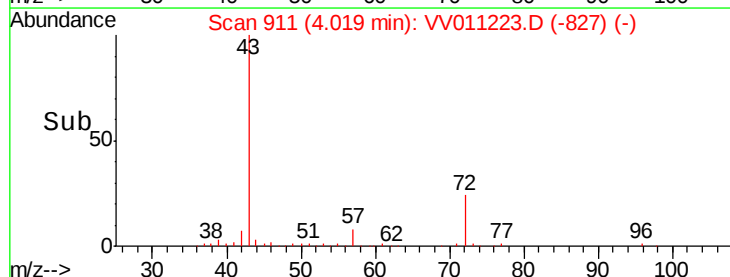
43 100

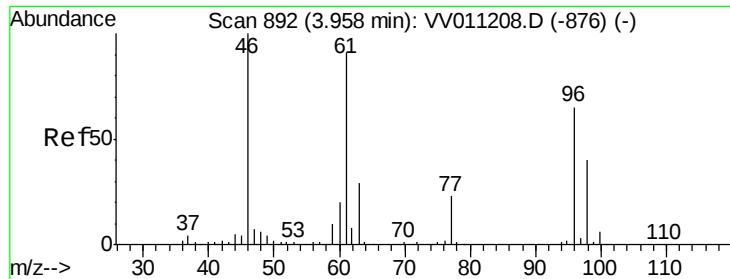
72 23.1 12.7 38.1



Abundance Ion 43.05 (42.75 to 43.75): VV011223.D (-827) (-)

Ion 72.10 (71.80 to 72.80): VV011223.D (-827) (-)

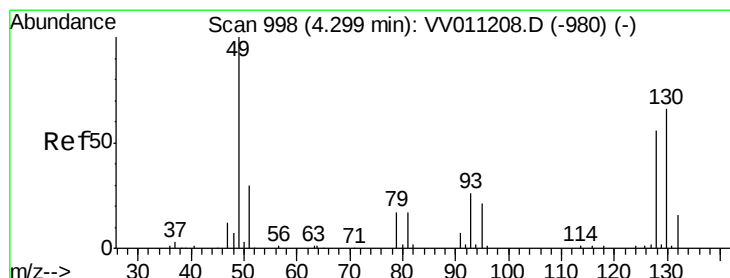
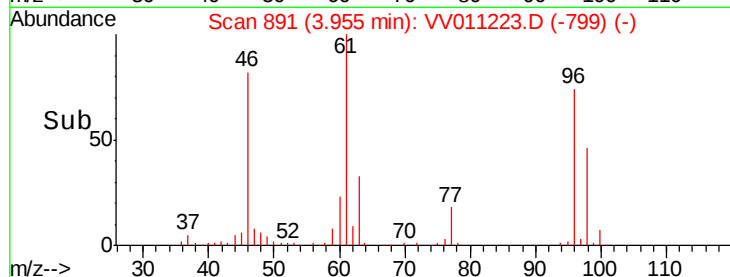
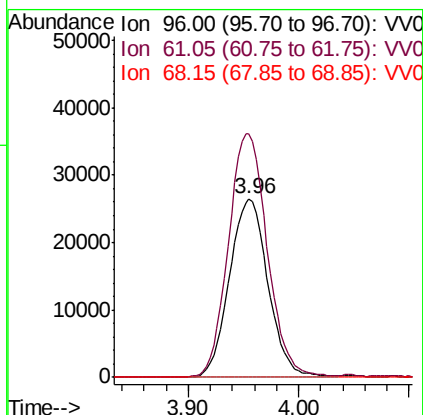
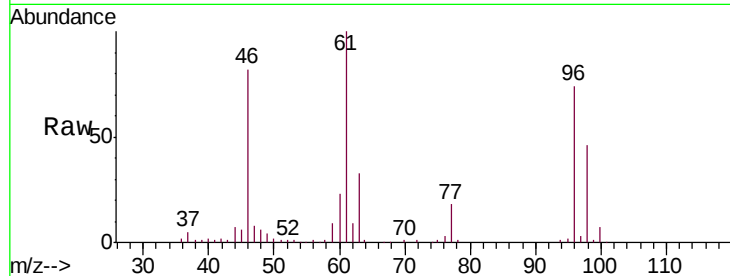




#22
 cis-1,2-Dichloroethene
 Concen: 4.710 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

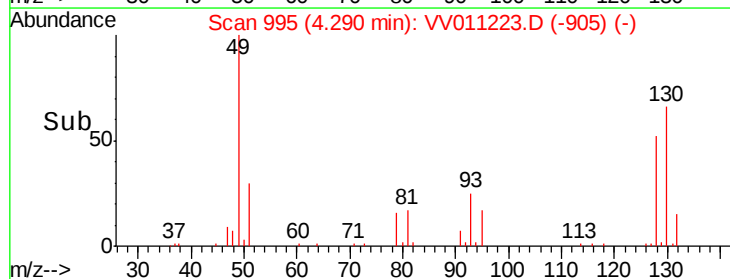
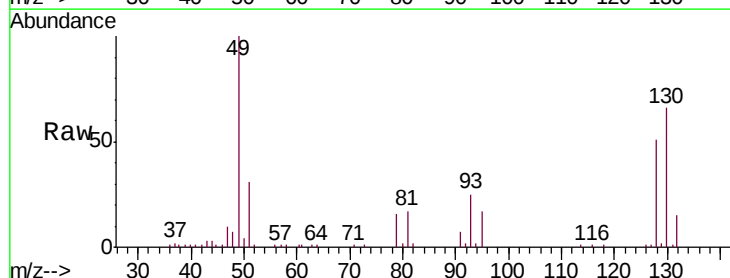
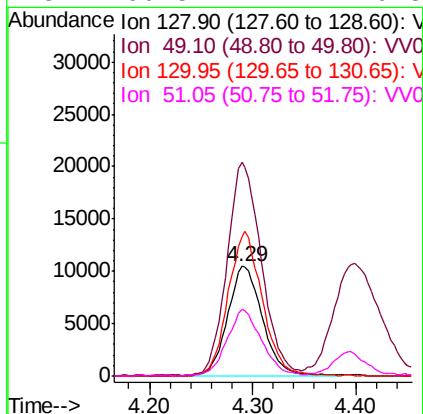
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB43

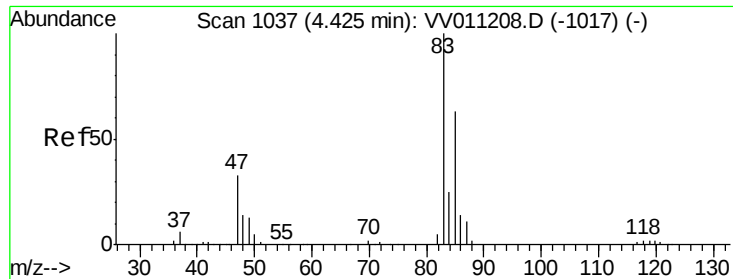
Tgt Ion: 96 Resp: 64424
 Ion Ratio Lower Upper
 96 100
 61 136.1 100.8 187.2
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.715 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion: 128 Resp: 24719
 Ion Ratio Lower Upper
 128 100
 49 195.1 128.9 239.5
 130 128.0 82.5 153.1
 51 60.5 47.2 70.8

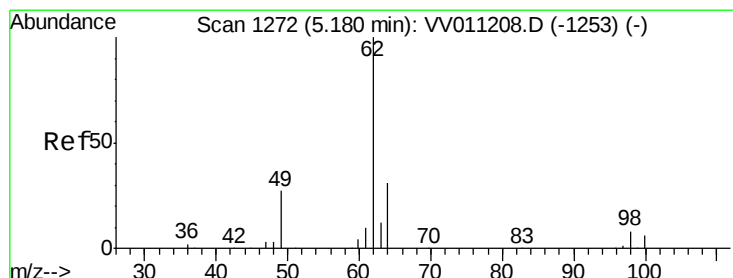
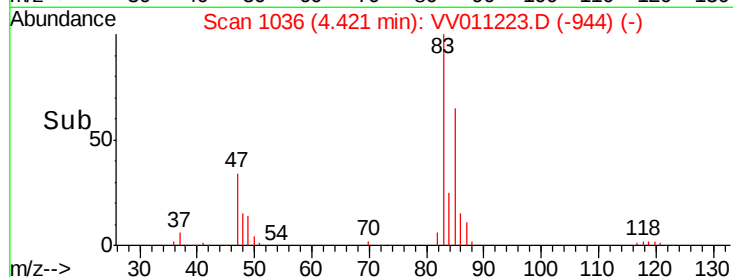
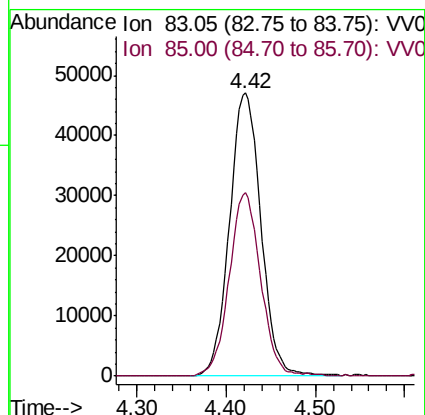
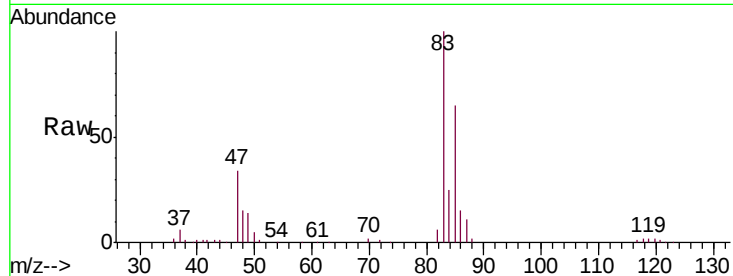




#25
Chloroform
Concen: 4.588 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

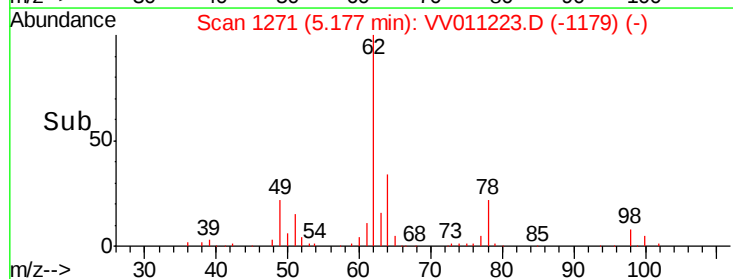
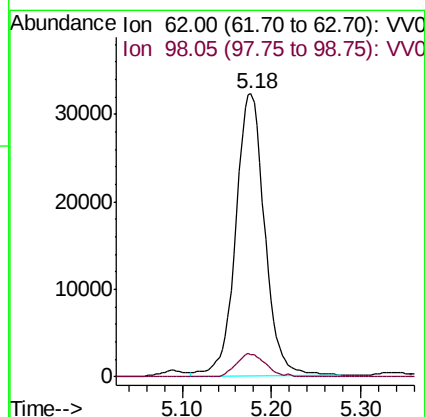
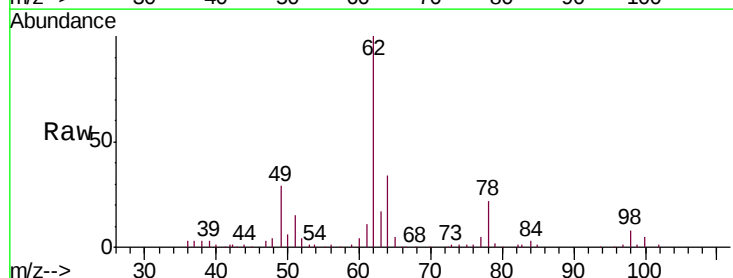
Instrument :
MSVOA_V
ClientSampled :
BFB43

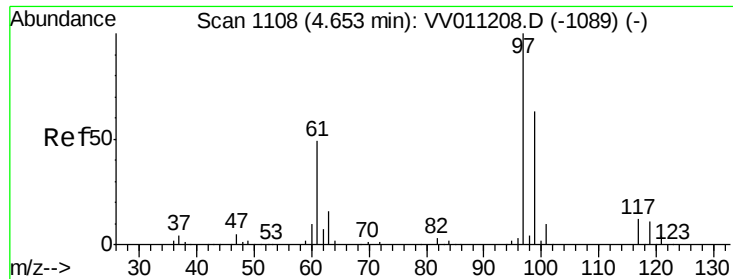
Tgt Ion: 83 Resp: 115419
Ion Ratio Lower Upper
83 100
85 64.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.728 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Tgt Ion: 62 Resp: 72689
Ion Ratio Lower Upper
62 100
98 8.0 6.9 10.3

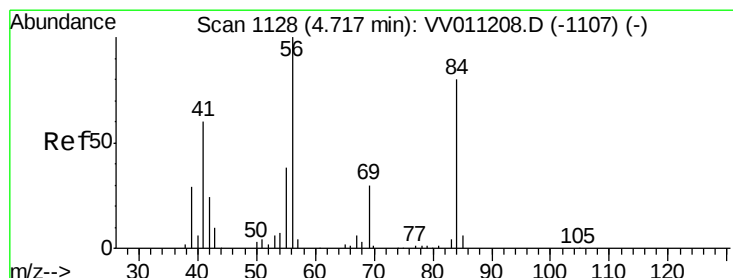
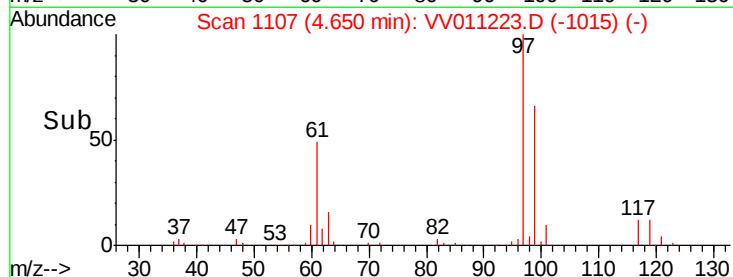
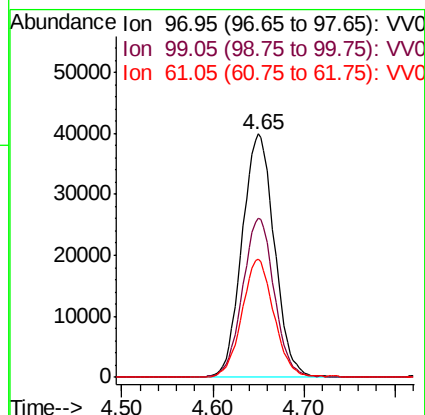
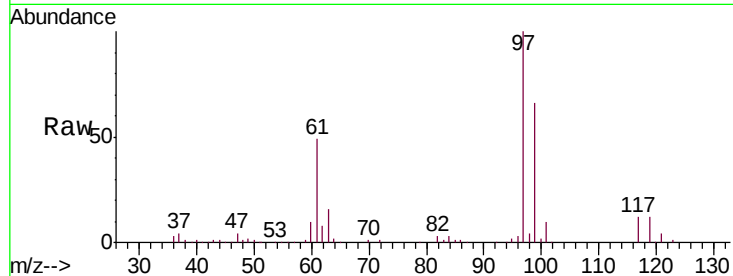




#29
 1,1,1-Trichloroethane
 Concen: 4.641 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

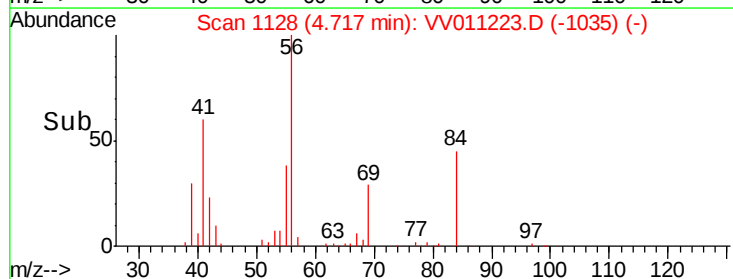
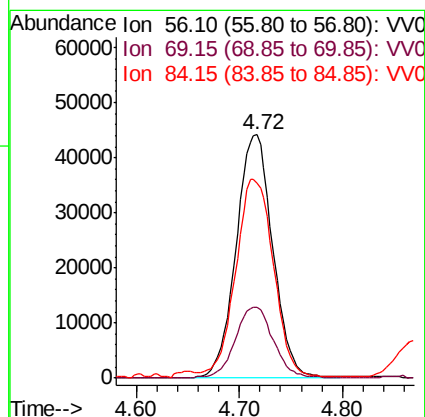
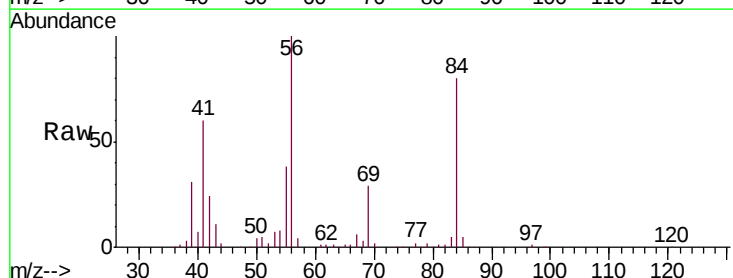
Instrument :
 MSVOA_V
 ClientSampled :
 BFB43

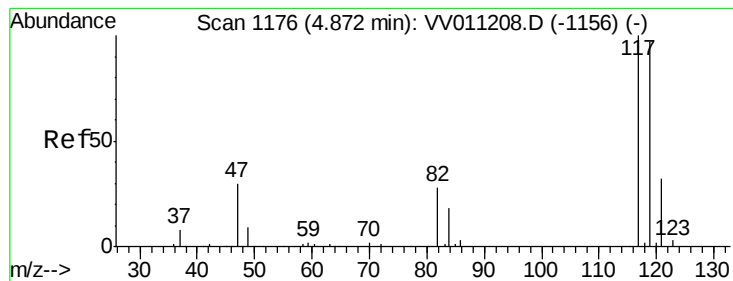
Tgt Ion: 97 Resp: 98679
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.8 76.2
 61 47.8 38.9 58.3



#30
 Cyclohexane
 Concen: 4.604 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion: 56 Resp: 108529
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.1 36.1
 84 84.9 66.4 99.6





#31

Carbon tetrachloride

Concen: 4.662 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

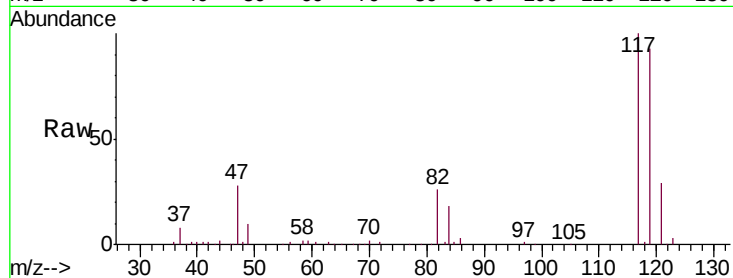
BFB43

Tgt Ion:117 Resp: 82852

Ion Ratio Lower Upper

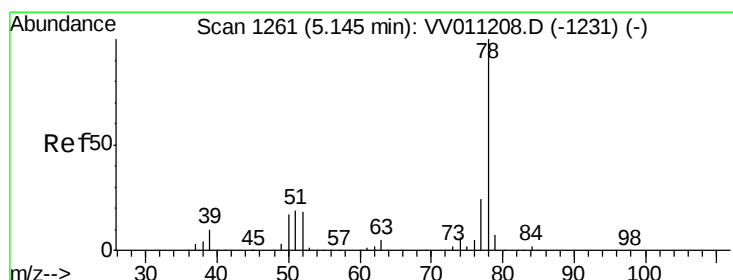
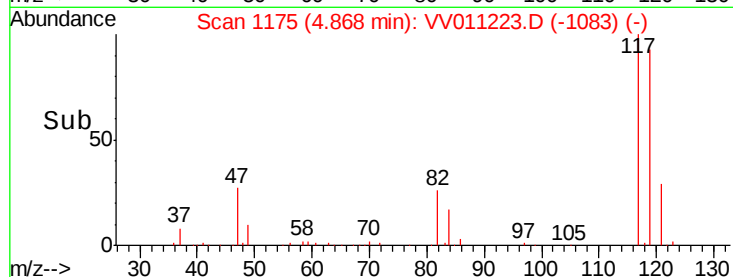
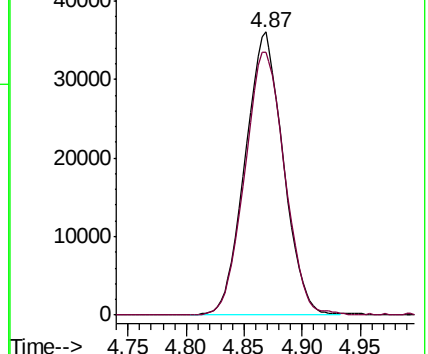
117 100

119 96.8 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.665 ug/L

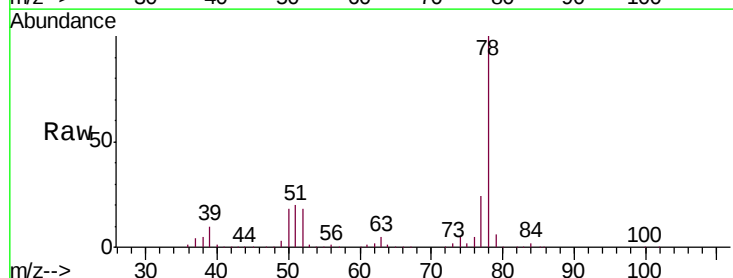
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

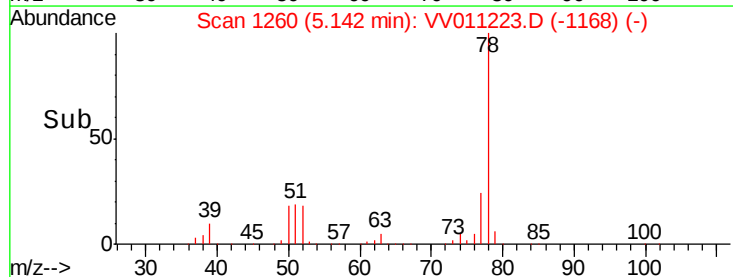
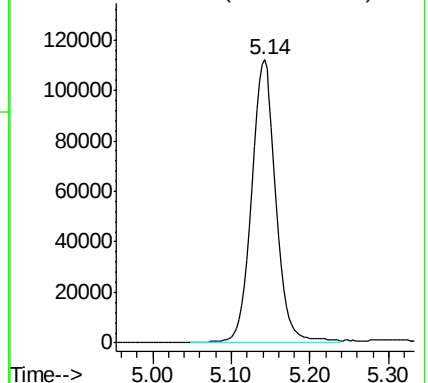
Lab File: VV011223.D

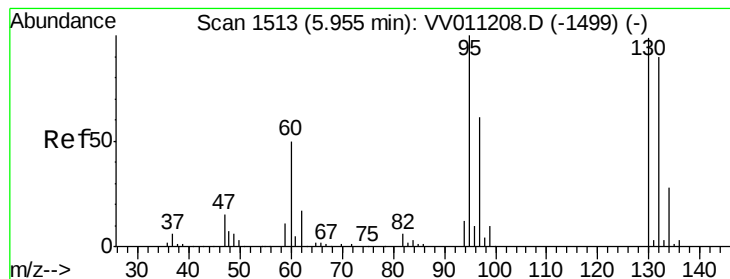
Acq: 05 Jun 2019 10:17

Tgt Ion: 78 Resp: 247443



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.652 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

Tgt Ion: 95 Resp: 63753

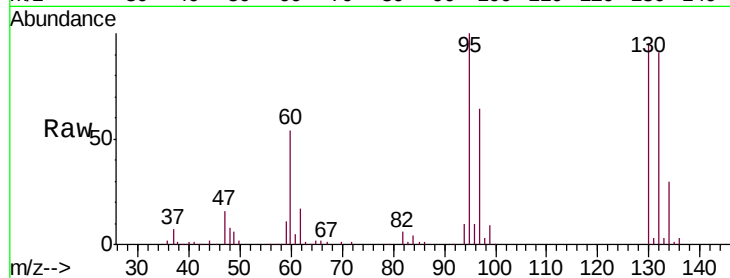
Ion Ratio Lower Upper

95 100

97 63.6 45.8 85.2

132 90.6 66.4 123.2

130 94.6 68.3 126.8

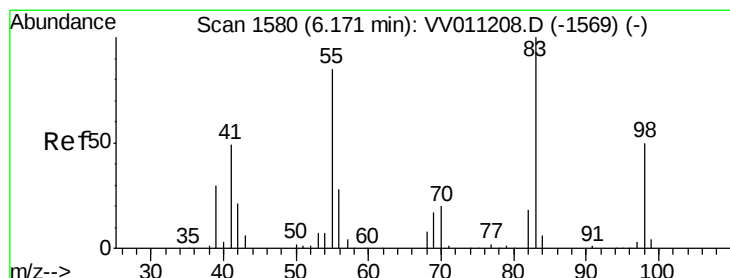
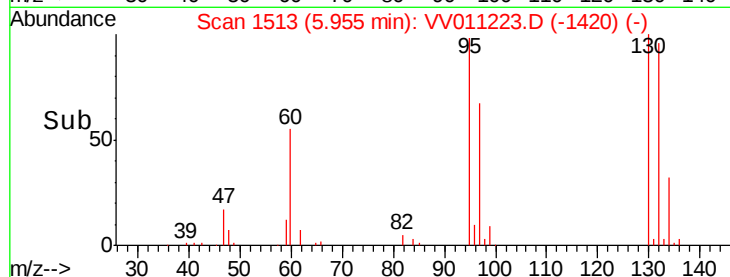
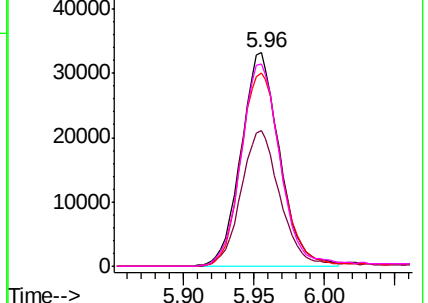


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.547 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

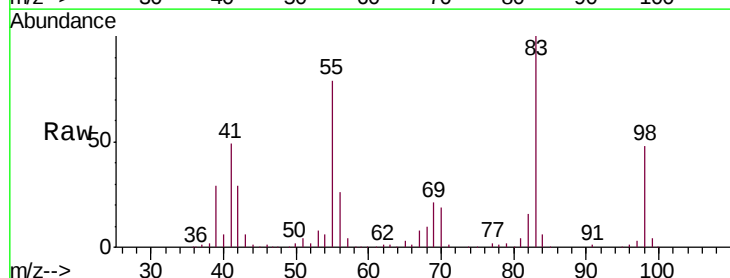
Tgt Ion: 83 Resp: 103052

Ion Ratio Lower Upper

83 100

55 84.3 67.0 100.6

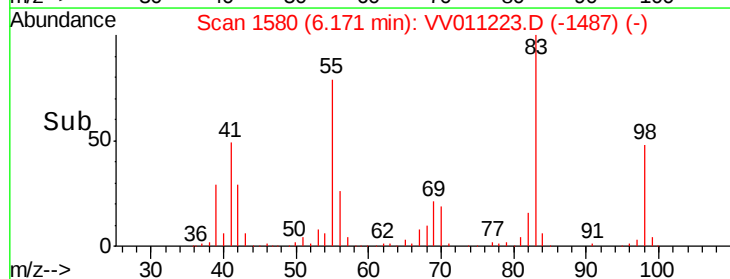
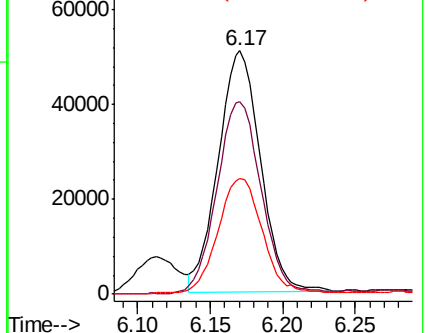
98 49.4 40.0 60.0

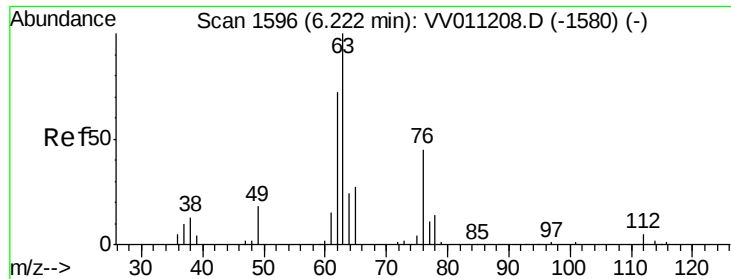


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

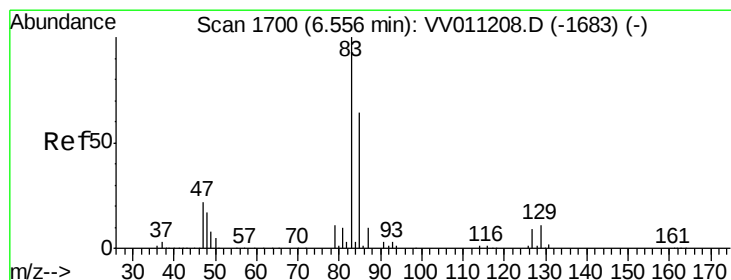
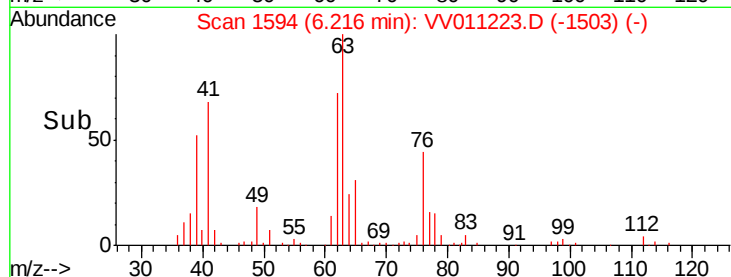
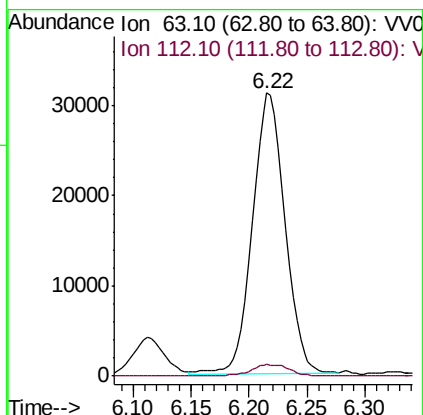
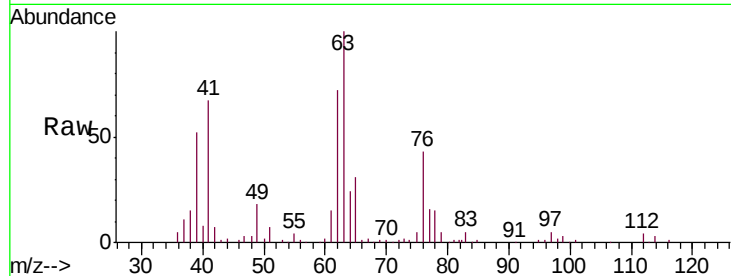




#37
 1,2-Dichloropropane
 Concen: 4.622 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

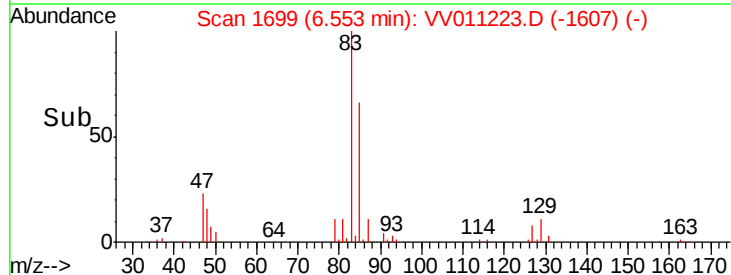
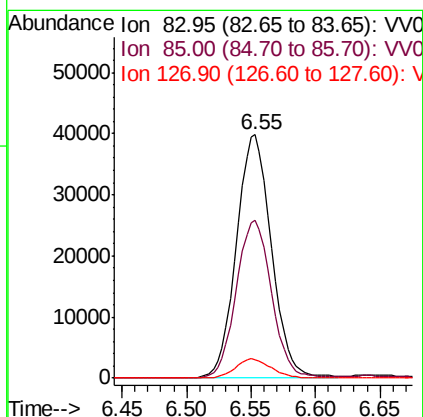
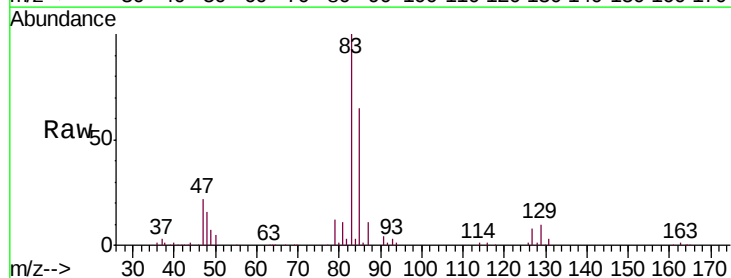
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB43

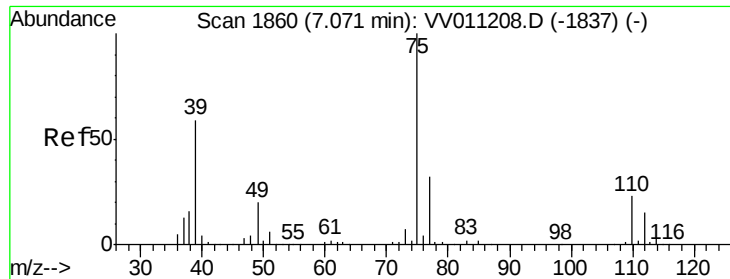
Tgt Ion: 63 Resp: 61025
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.619 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion: 83 Resp: 75402
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.5 82.7
 127 7.8 7.0 10.4

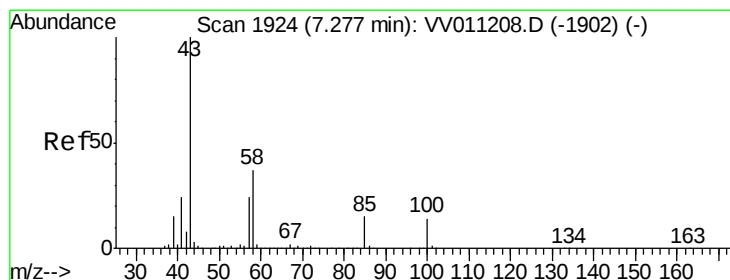
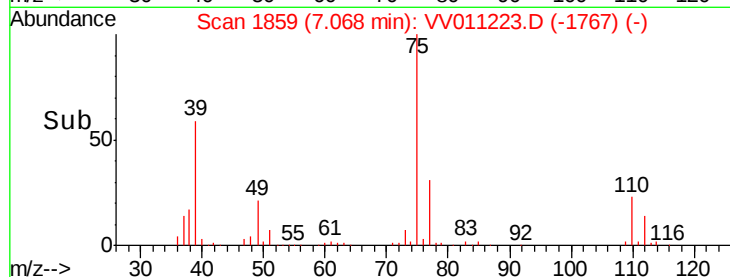
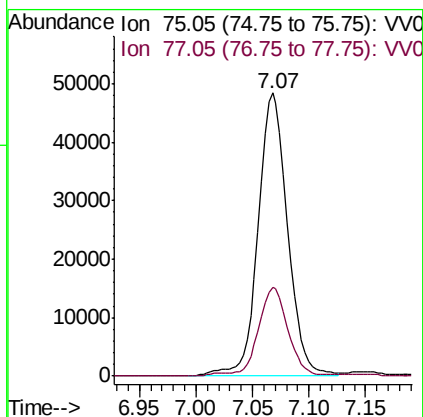
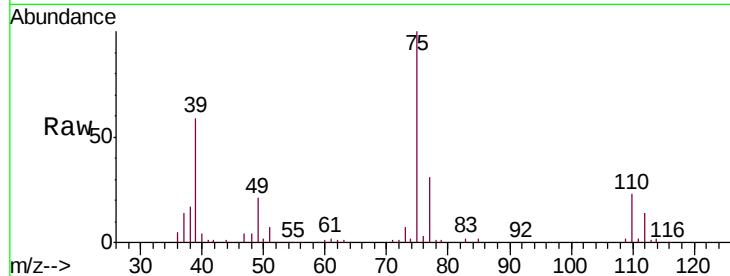




#39
 cis-1,3-Dichloropropene
 Concen: 4.556 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

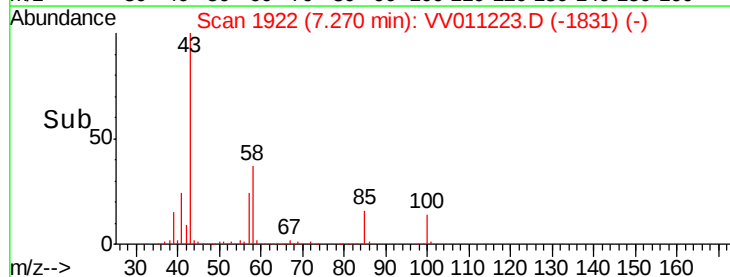
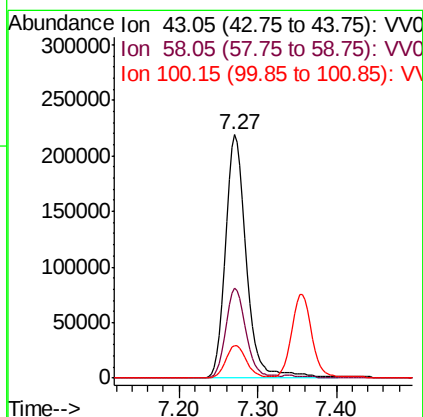
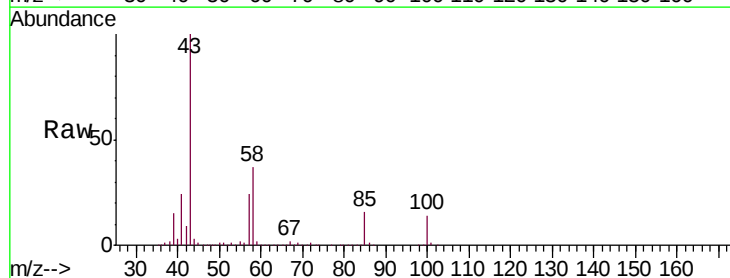
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB43

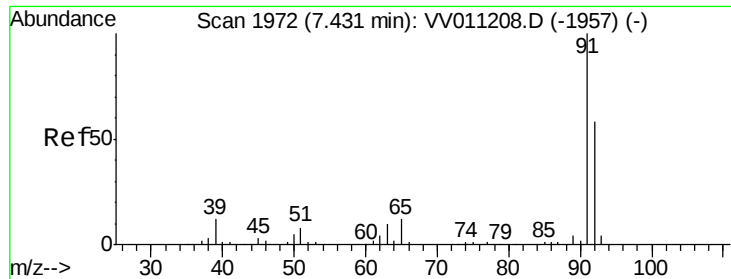
Tgt Ion: 75 Resp: 88014
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 47.677 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion: 43 Resp: 400849
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.3 43.9
 100 13.2 10.6 16.0





#42

Toluene

Concen: 4.763 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

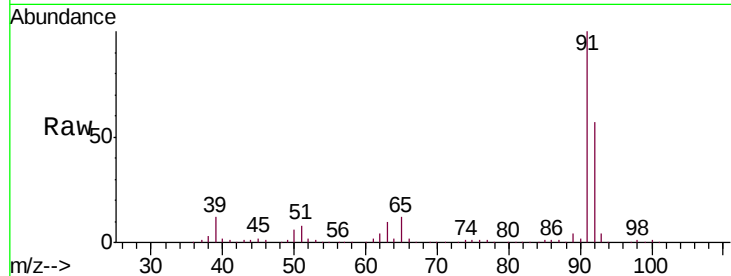
BFB43

Tgt Ion: 91 Resp: 269269

Ion Ratio Lower Upper

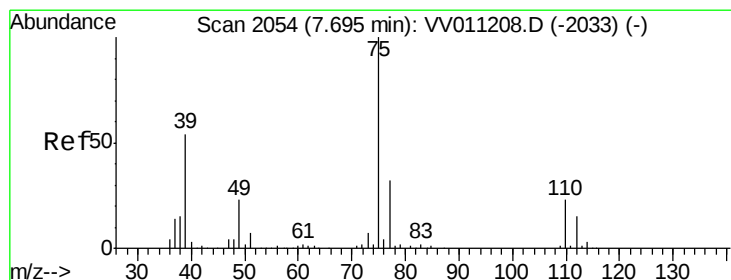
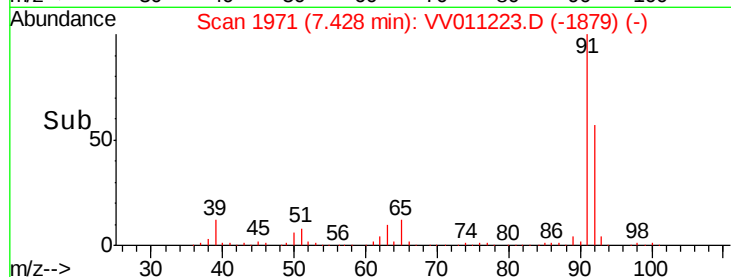
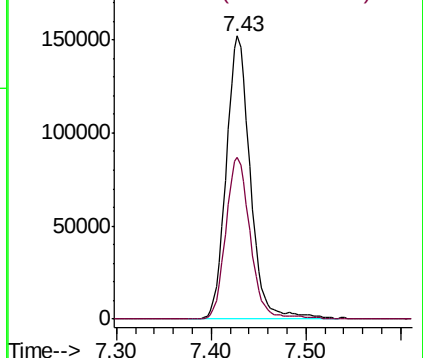
91 100

92 57.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.416 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011223.D

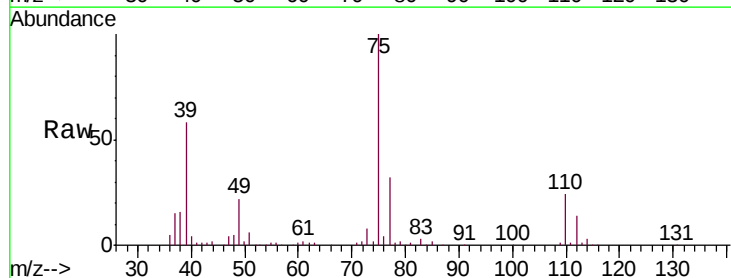
Acq: 05 Jun 2019 10:17

Tgt Ion: 75 Resp: 64845

Ion Ratio Lower Upper

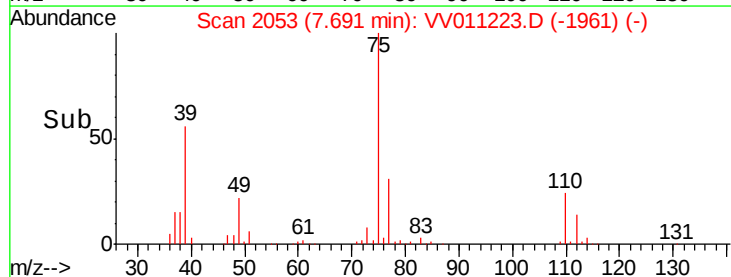
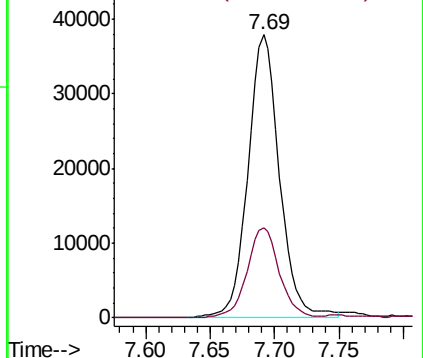
75 100

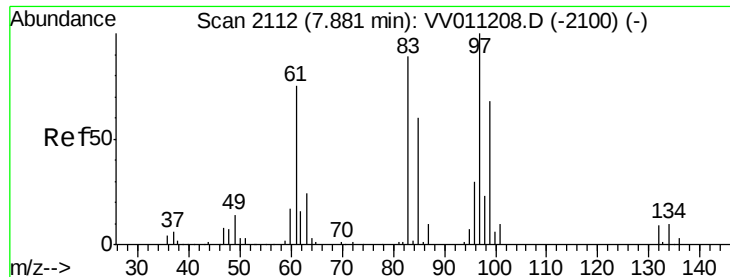
77 31.6 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

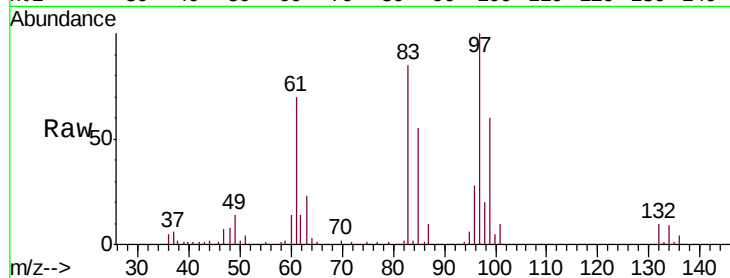




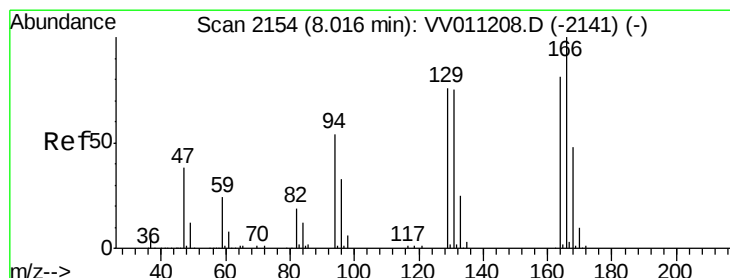
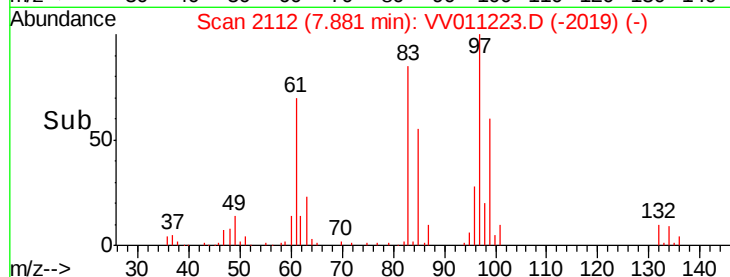
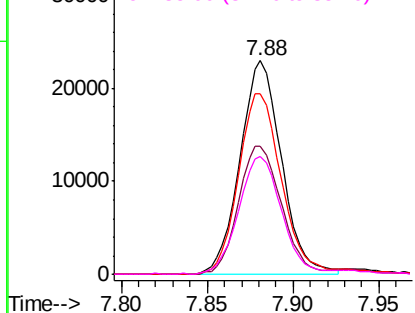
#45
 1,1,2-Trichloroethane
 Concen: 4.571 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB43

Tgt Ion: 97 Resp: 38632
 Ion Ratio Lower Upper
 97 100
 99 60.2 42.1 78.3
 83 84.8 59.4 110.2
 85 54.9 39.7 73.7

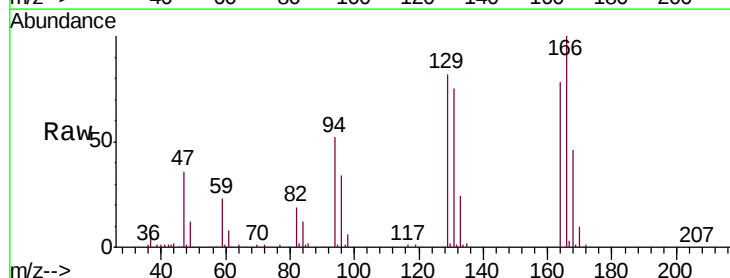


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

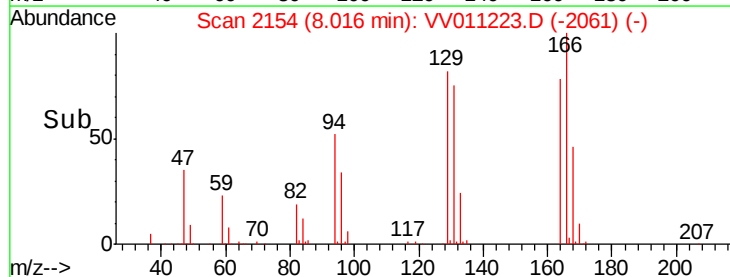
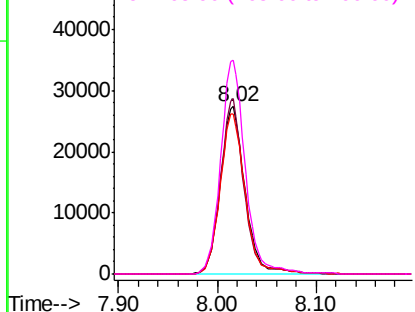


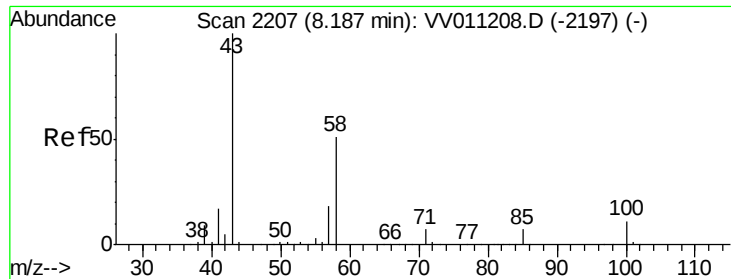
#47
 Tetrachloroethene
 Concen: 4.868 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion: 164 Resp: 48209
 Ion Ratio Lower Upper
 164 100
 129 104.5 69.9 129.9
 131 95.6 66.8 124.2
 166 127.4 90.2 167.6



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

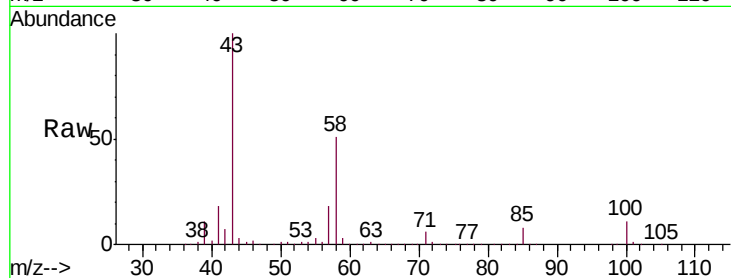




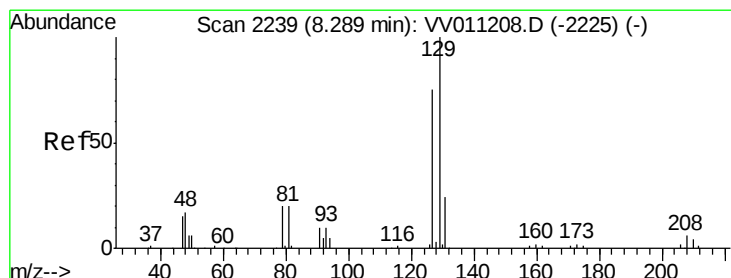
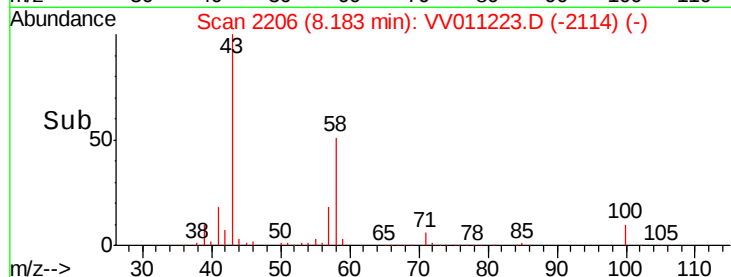
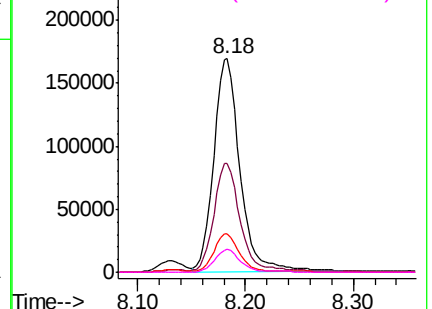
#48
2-Hexanone
Concen: 48.668 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Instrument :
MSVOA_V
ClientSampled :
BFB43

Tgt Ion: 43 Resp: 285377
Ion Ratio Lower Upper
43 100
58 51.6 41.4 62.0
57 17.7 15.0 22.4
100 10.6 9.0 13.4

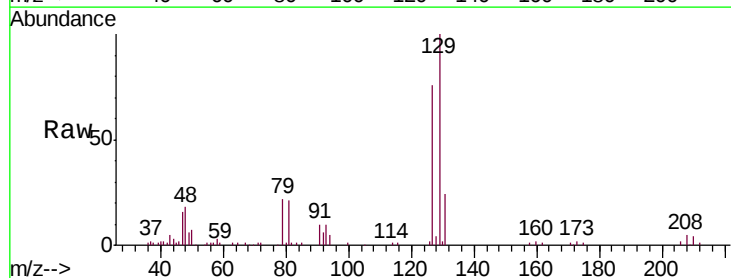


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

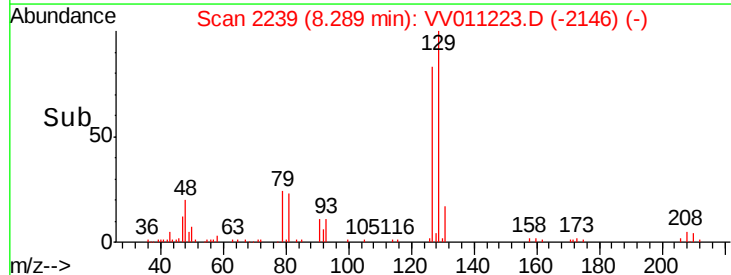
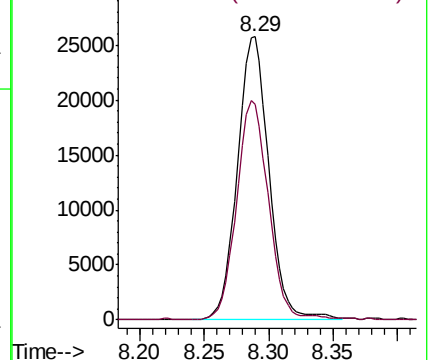


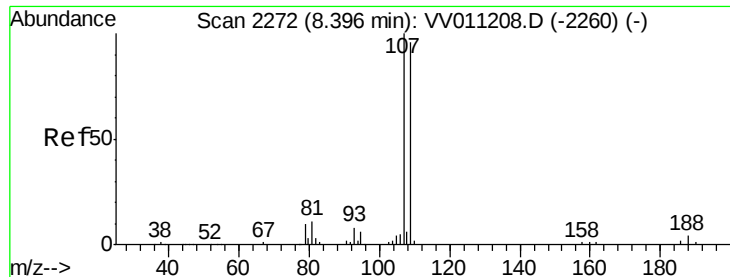
#49
Dibromochloromethane
Concen: 4.563 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Tgt Ion: 129 Resp: 43801
Ion Ratio Lower Upper
129 100
127 76.0 53.7 99.7



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

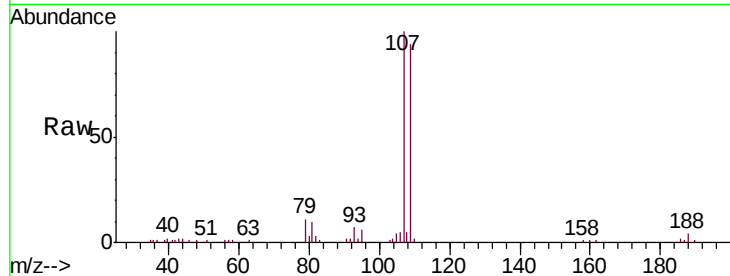




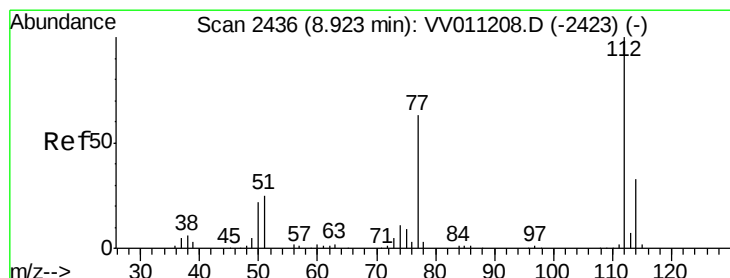
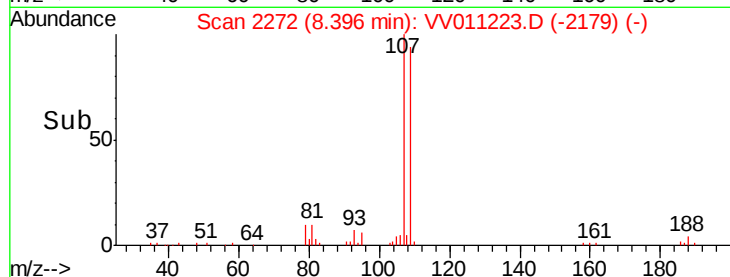
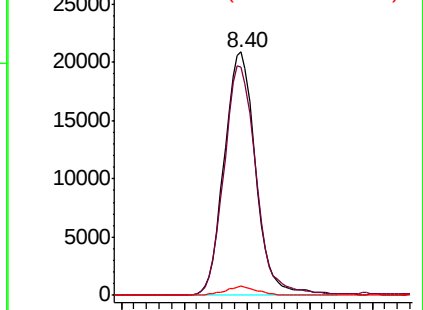
#50
1,2-Dibromoethane
Concen: 4.526 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Instrument :
MSVOA_V
ClientSampled :
BFB43

Tgt Ion:107 Resp: 36359
Ion Ratio Lower Upper
107 100
109 93.6 64.5 119.9
188 3.8 2.7 4.1

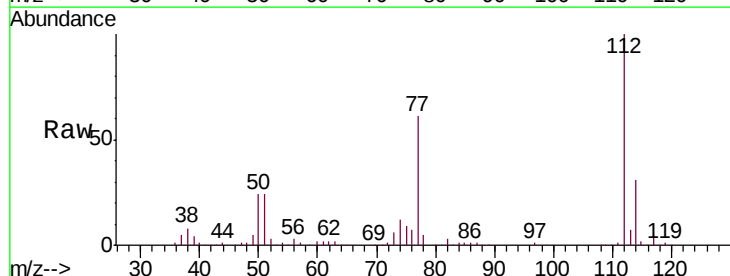


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

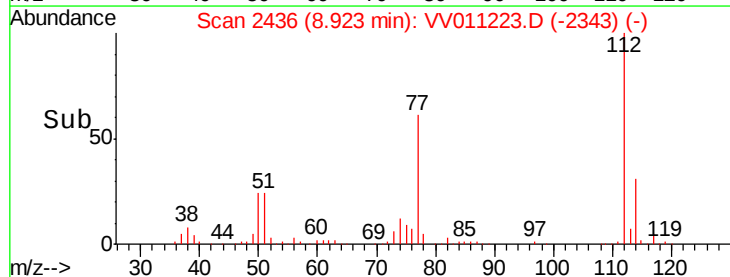
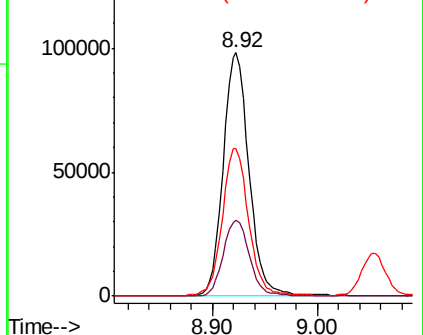


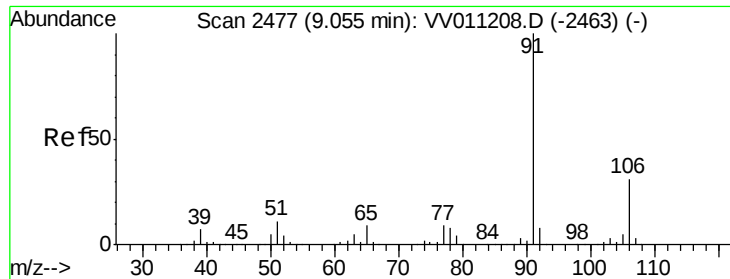
#51
Chlorobenzene
Concen: 4.827 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Tgt Ion:112 Resp: 166416
Ion Ratio Lower Upper
112 100
114 31.2 22.6 42.0
77 60.7 50.1 75.1



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: 4.877 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

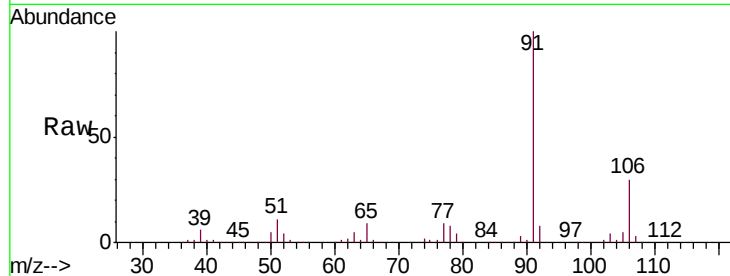
BFB43

Tgt Ion: 91 Resp: 306211

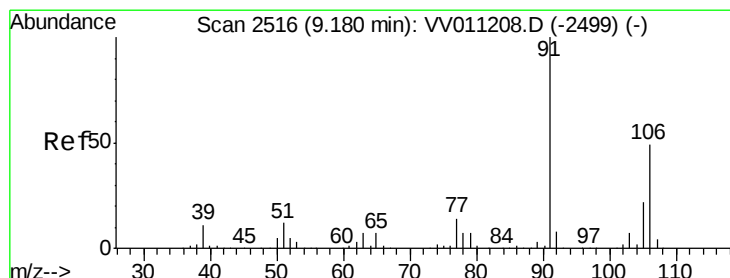
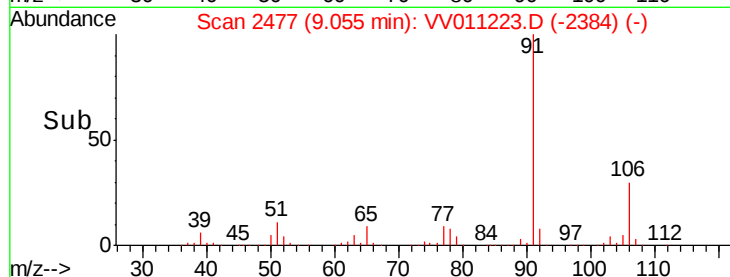
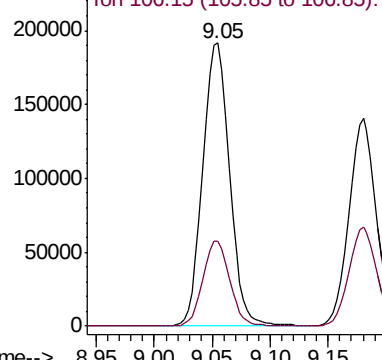
Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011223.D (-2463) (-)



#53

m,p-xylene

Concen: 4.875 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011223.D

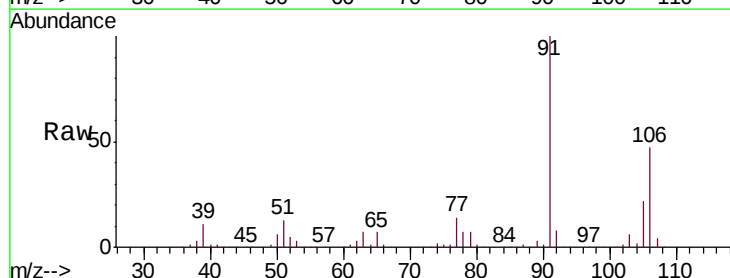
Acq: 05 Jun 2019 10:17

Tgt Ion: 106 Resp: 113204

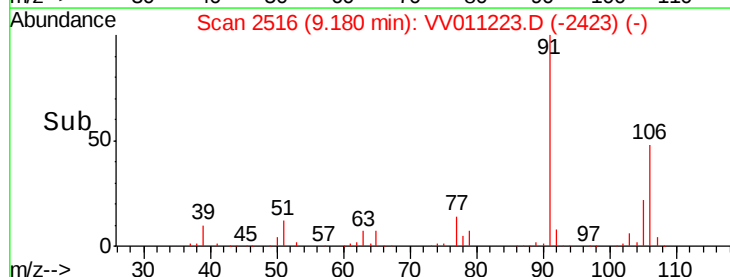
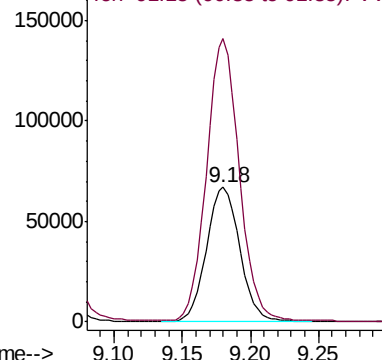
Ion Ratio Lower Upper

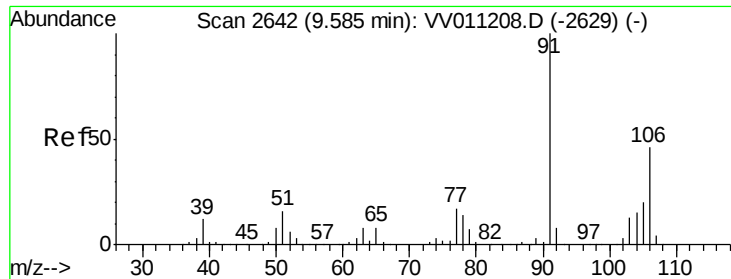
106 100

91 210.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011223.D (-2499) (-)

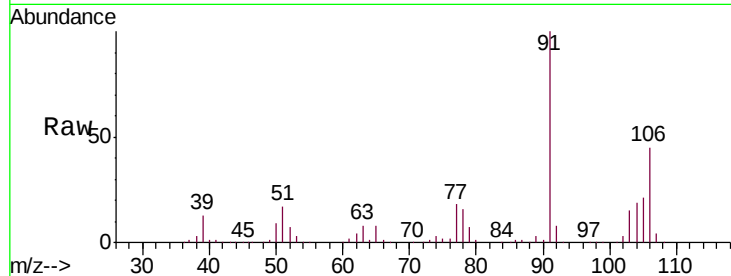




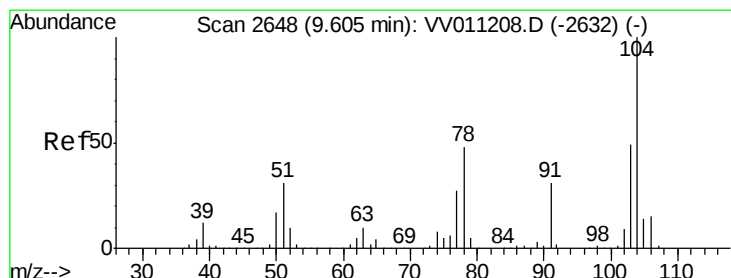
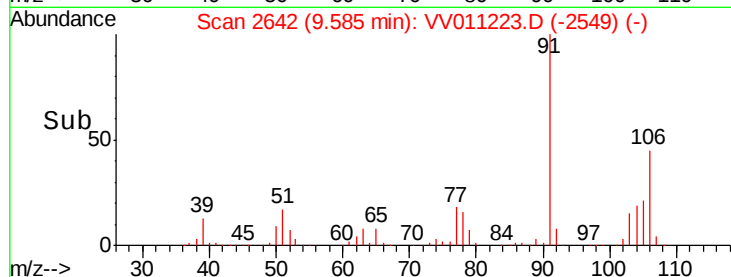
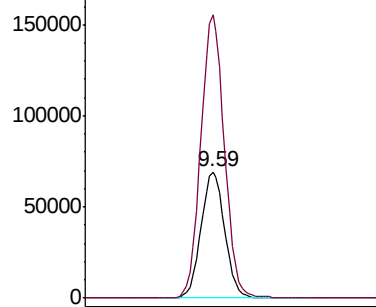
#54
o-xylene
Concen: 4.891 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Instrument :
MSVOA_V
ClientSampleId :
BFB43

Tgt Ion:106 Resp: 111454
Ion Ratio Lower Upper
106 100
91 224.1 155.4 288.6

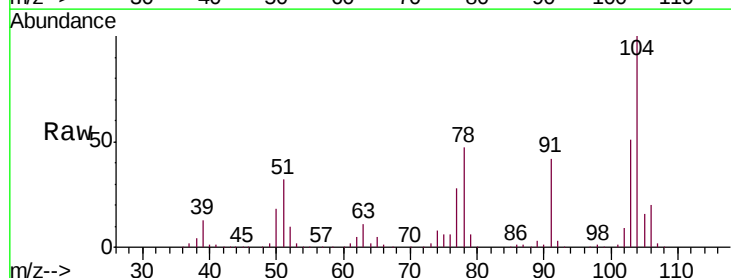


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

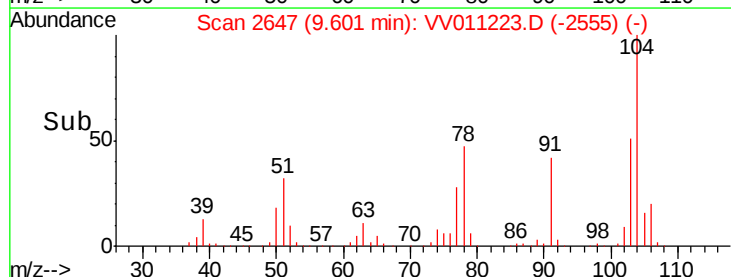
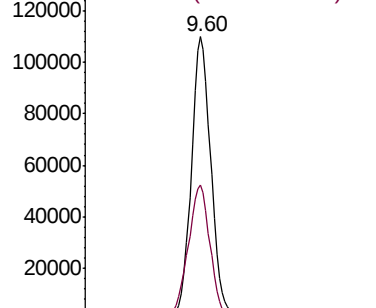


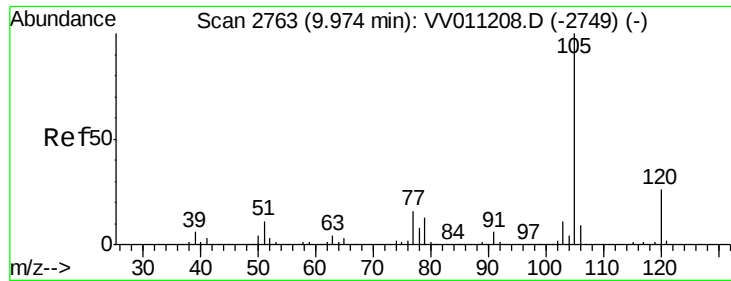
#55
Styrene
Concen: 4.940 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV011223.D
Acq: 05 Jun 2019 10:17

Tgt Ion:104 Resp: 183348
Ion Ratio Lower Upper
104 100
78 47.5 32.4 60.2



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





#56

Isopropylbenzene

Concen: 4.877 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

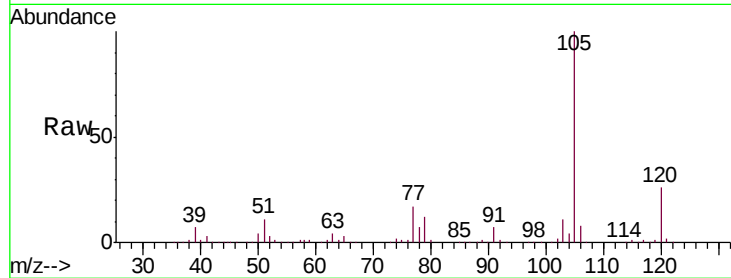
Tgt Ion: 105 Resp: 299140

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

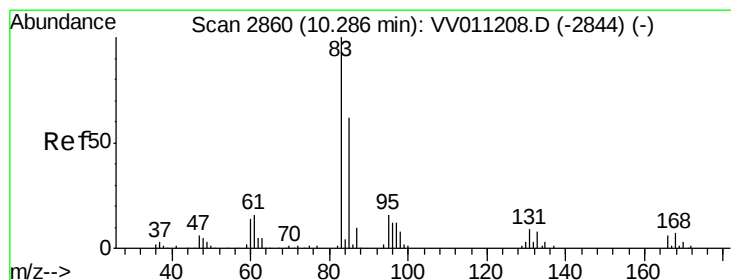
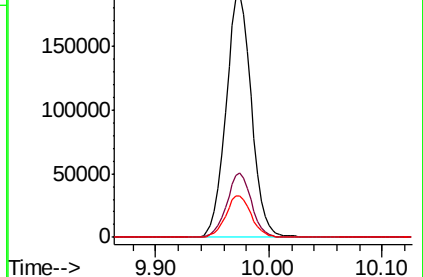
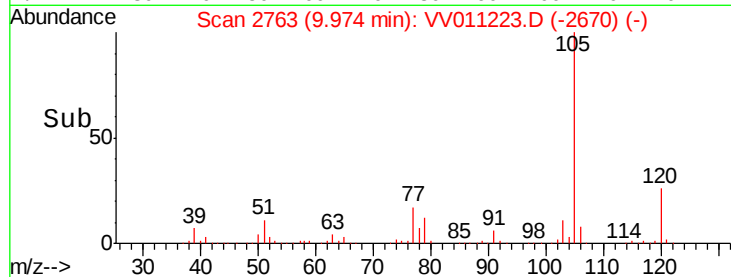
77 17.3 13.8 20.6



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: 4.581 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

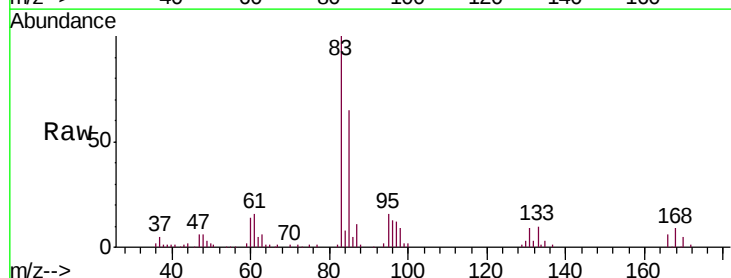
Tgt Ion: 83 Resp: 46935

Ion Ratio Lower Upper

83 100

85 64.9 43.5 80.9

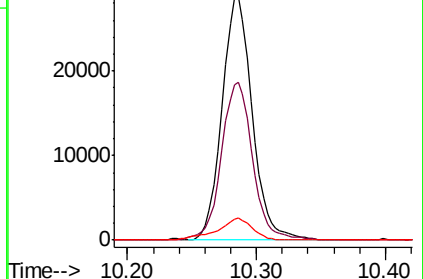
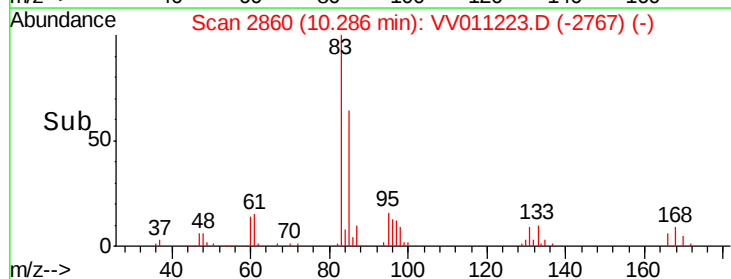
131 8.9 7.5 11.3

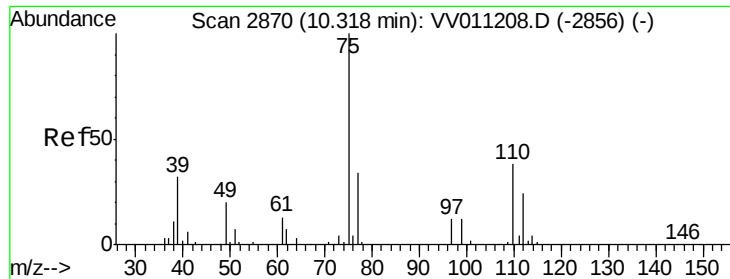


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

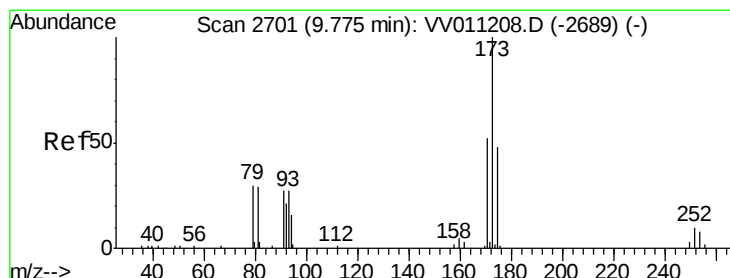
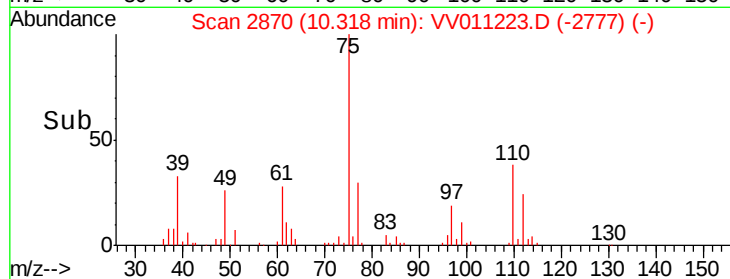
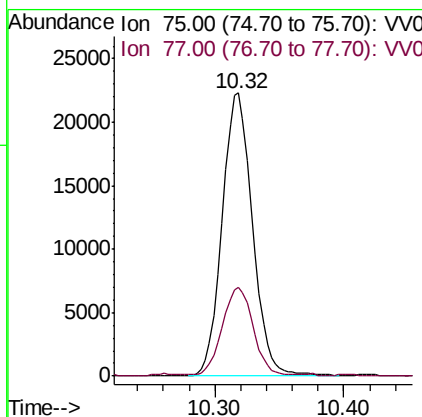
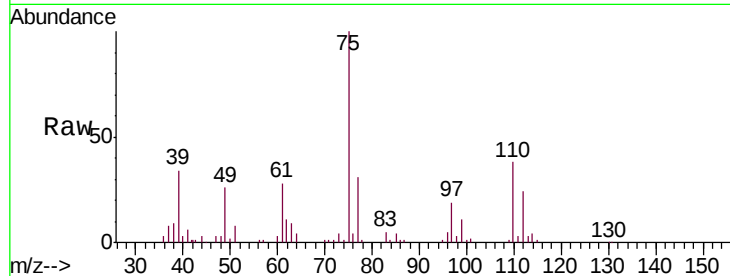




#59
 1,2,3-Trichloropropane
 Concen: 4.731 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

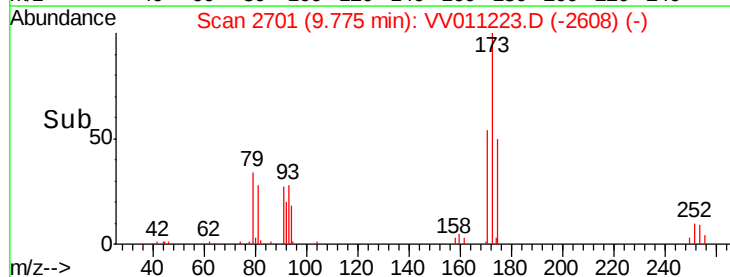
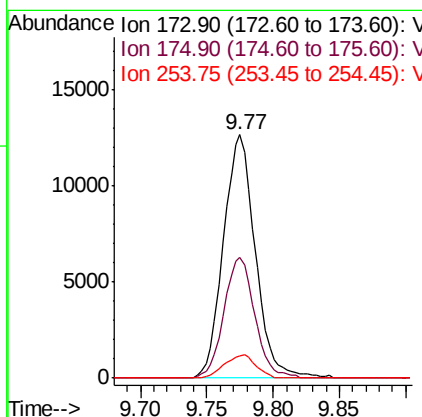
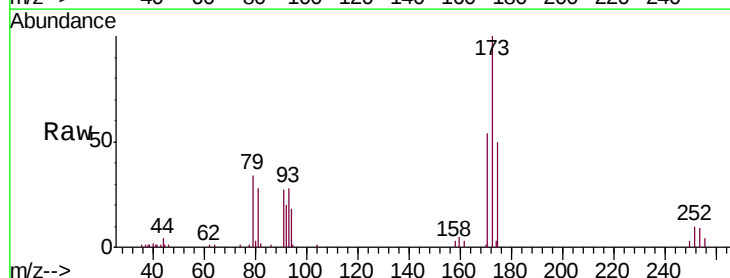
Instrument :
 MSVOA_V
 ClientSampled :
 BFB43

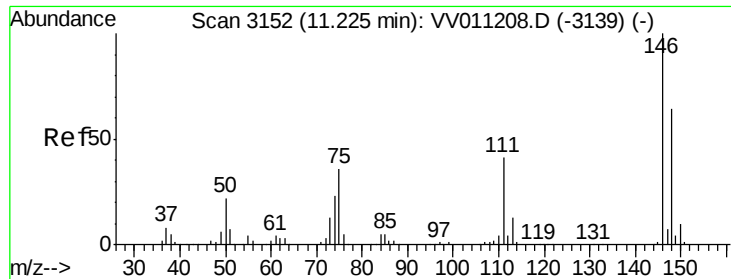
Tgt Ion: 75 Resp: 36428
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.7 40.1



#61
 Bromoform
 Concen: 4.479 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion: 173 Resp: 21159
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.0 55.4
 254 9.4 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 4.733 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

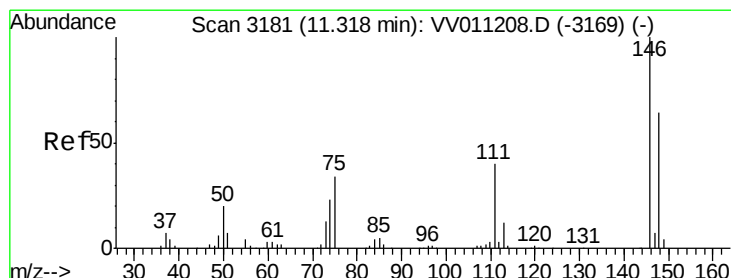
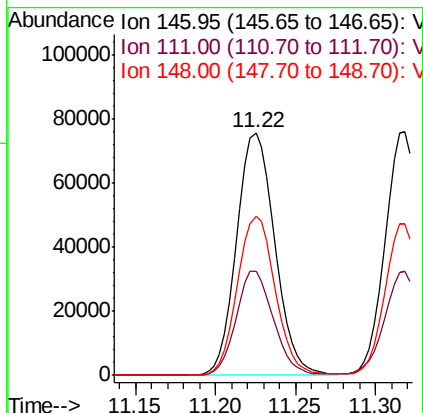
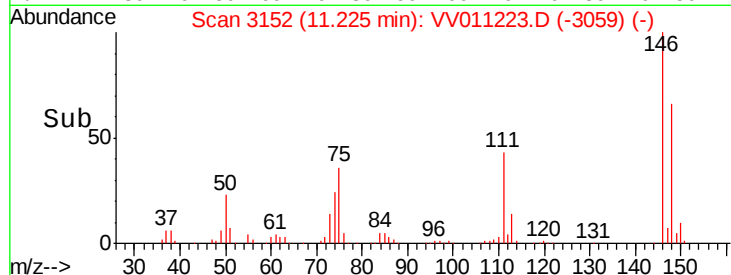
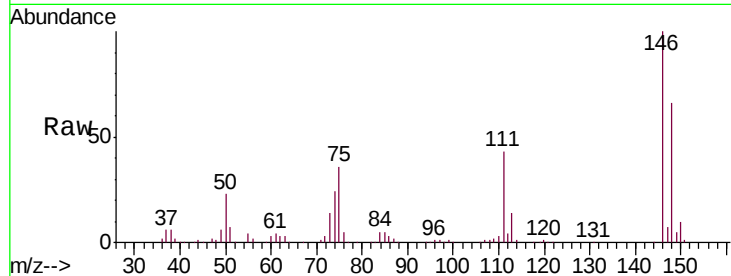
Tgt Ion:146 Resp: 123060

Ion Ratio Lower Upper

146 100

111 42.8 29.0 53.9

148 65.8 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 4.856 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

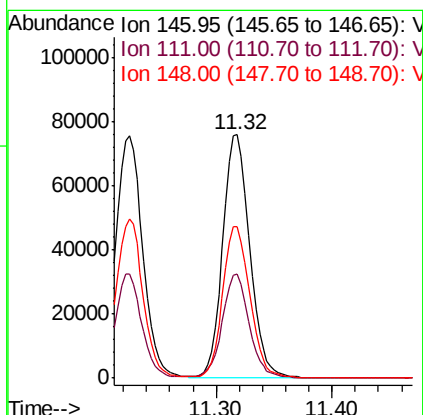
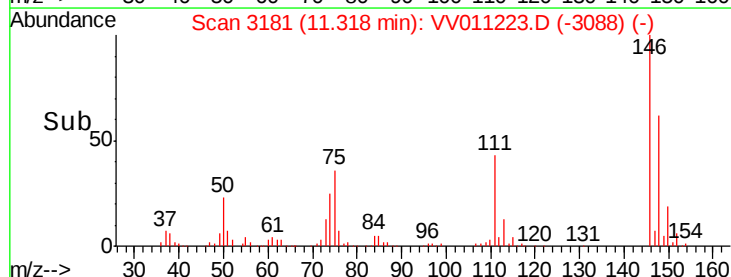
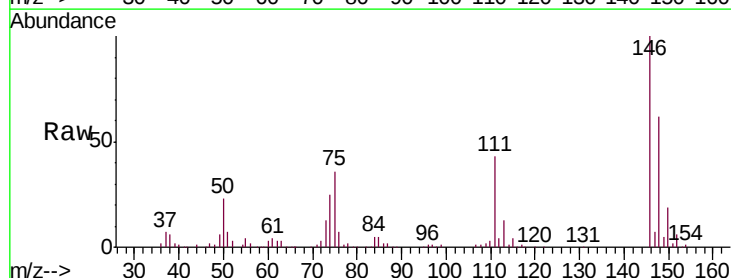
Tgt Ion:146 Resp: 122578

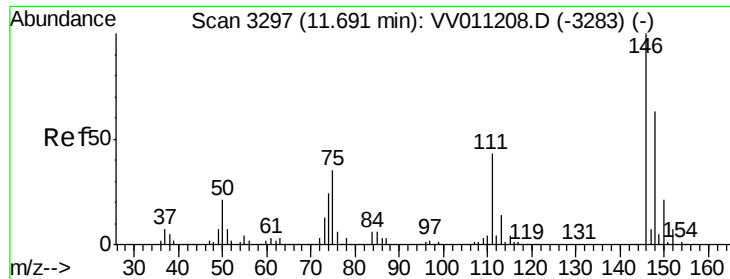
Ion Ratio Lower Upper

146 100

111 42.8 28.3 52.5

148 62.0 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 4.838 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

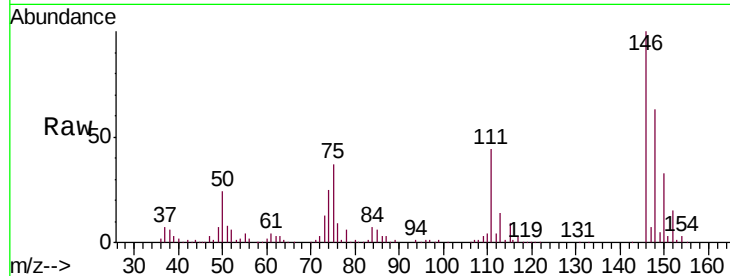
Tgt Ion:146 Resp: 116285

Ion Ratio Lower Upper

146 100

111 44.4 33.9 50.9

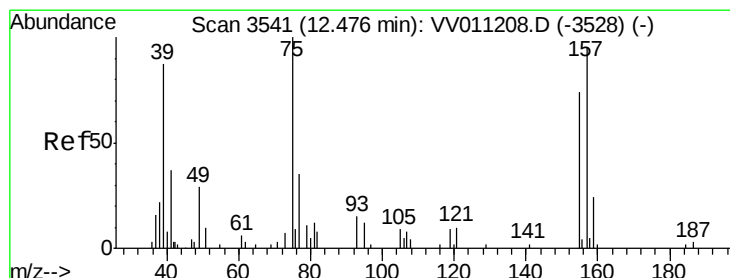
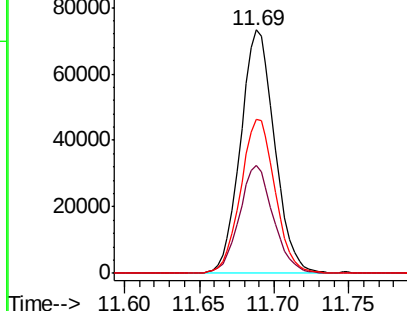
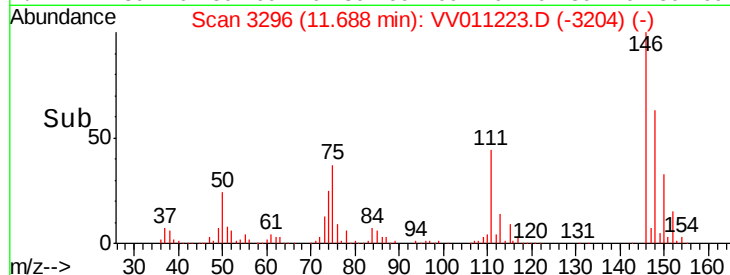
148 63.0 50.3 75.5



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: 4.639 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

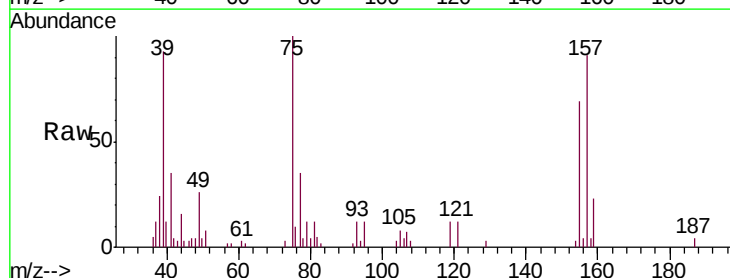
Tgt Ion: 75 Resp: 7990

Ion Ratio Lower Upper

75 100

155 68.6 64.4 96.6

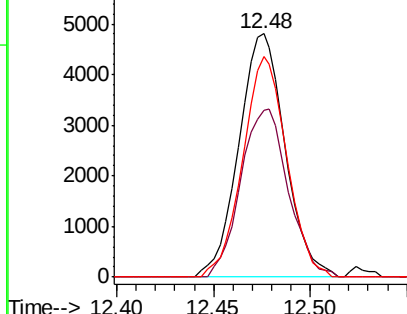
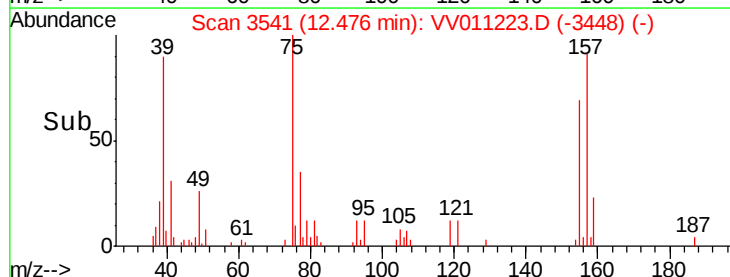
157 90.7 66.7 100.1

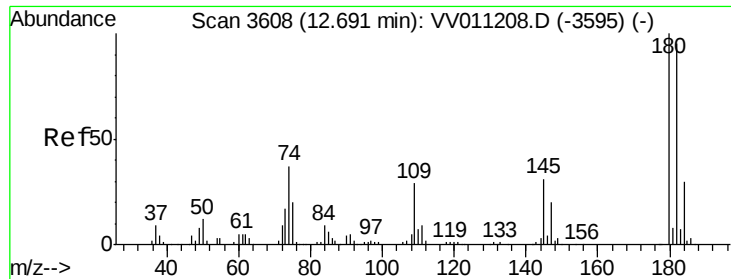


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

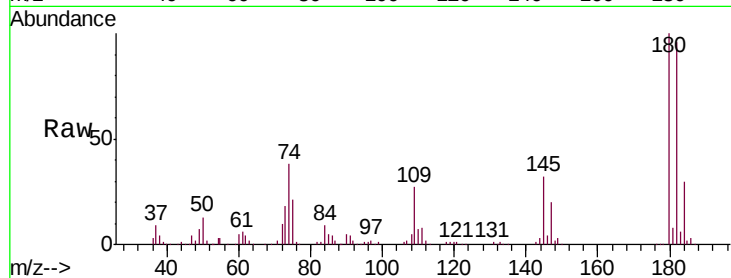




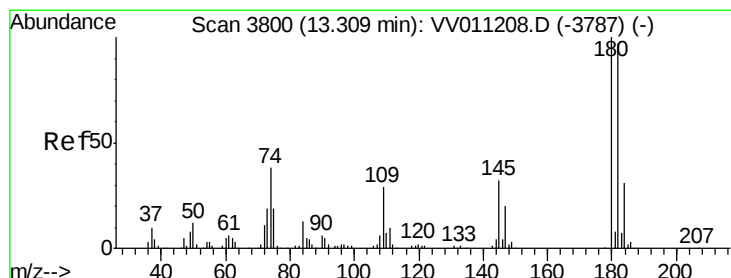
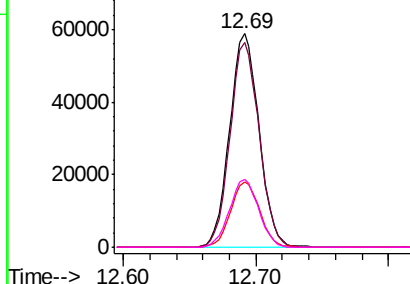
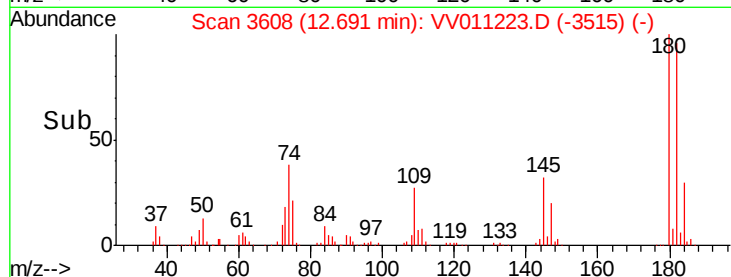
#67
 1,3,5-Trichlorobenzene
 Concen: 4.842 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB43

Tgt Ion:180 Resp: 90578
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 184 30.2 23.8 35.8
 145 31.4 24.2 36.2

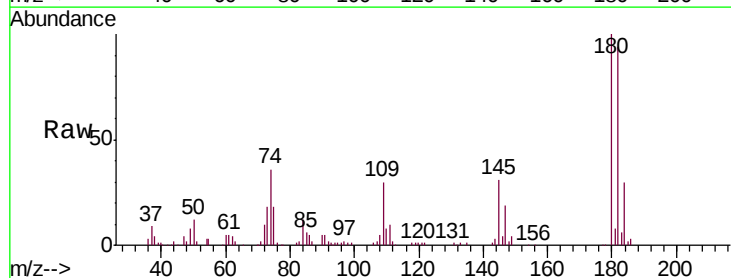


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

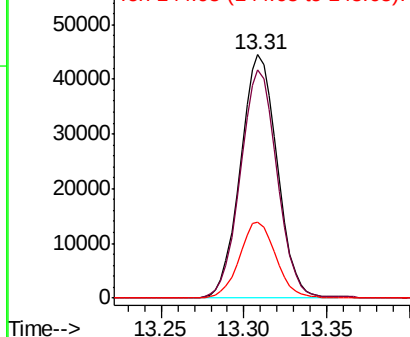
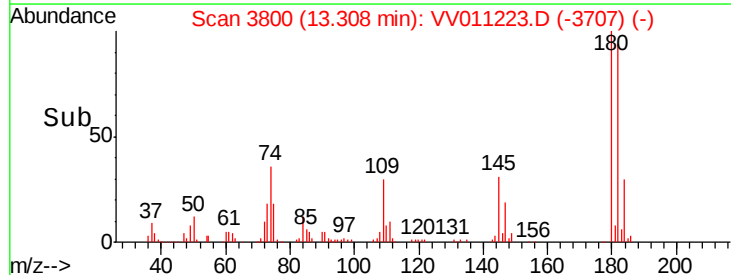


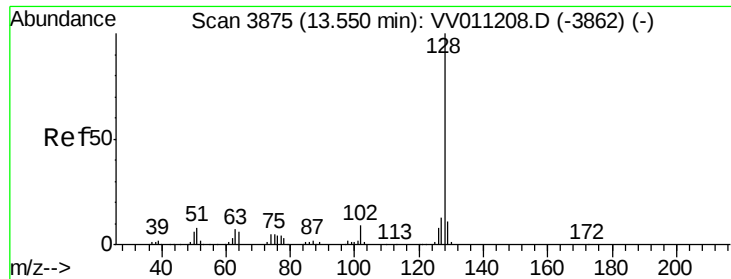
#68
 1,2,4-trichlorobenzene
 Concen: 4.831 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011223.D
 Acq: 05 Jun 2019 10:17

Tgt Ion:180 Resp: 68605
 Ion Ratio Lower Upper
 180 100
 182 93.8 78.8 118.2
 145 30.9 26.3 39.5



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: 4.571 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

Instrument :

MSVOA_V

ClientSampleId :

BFB43

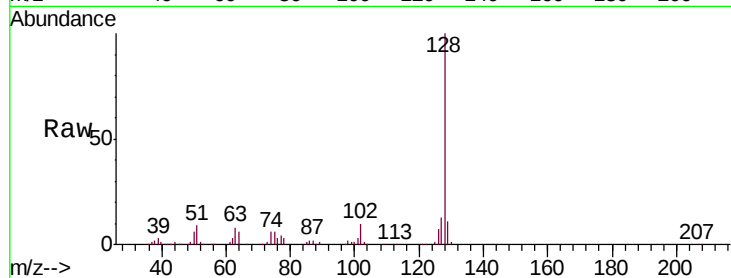
Tgt Ion:128 Resp: 106259

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

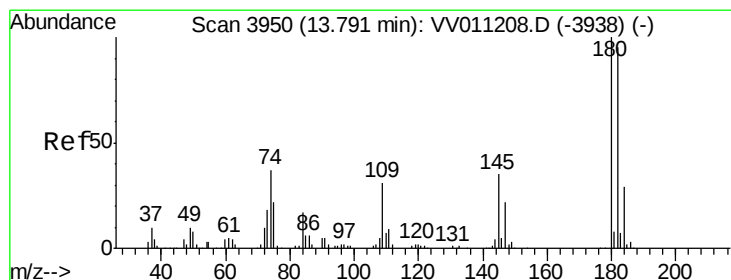
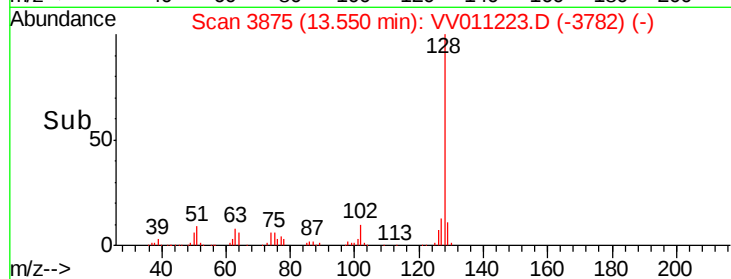
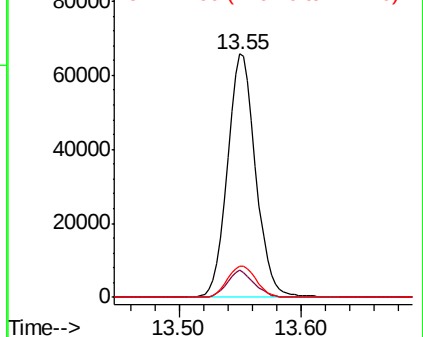
127 13.4 10.5 15.7



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: 4.907 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011223.D

Acq: 05 Jun 2019 10:17

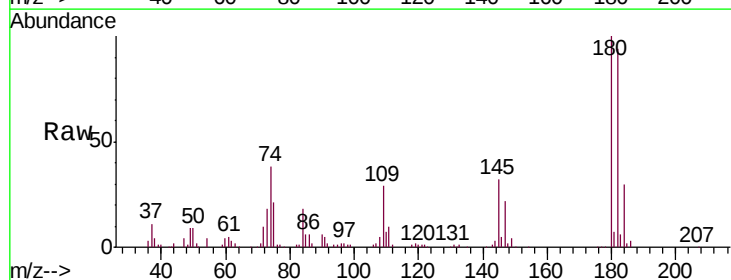
Tgt Ion:180 Resp: 62491

Ion Ratio Lower Upper

180 100

182 94.9 78.6 117.8

145 32.0 26.9 40.3



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

