

Data File : VV008874.D
Acq On : 06 Dec 2018 23:25
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB56

Quant Time: Dec 07 01:43:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 01:37:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	211721	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	187800	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89535	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52744	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
7) Chloroethane-d5	1.58	69	38374	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	2.13	63	127777	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.32%
20) 2-Butanone-d5	3.93	46	44068	55.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.50%
24) Chloroform-d	4.40	84	122999	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	5.08	65	69573	25.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.20%
29) Benzene-d6	5.10	84	246697	23.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.08%
33) 1,2-Dichloropropane-d6	6.12	67	69656	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.88%
37) Toluene-d8	7.36	98	229873	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.72%
38) trans-1,3-Dichloropropene-	7.66	79	31330	24.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.12%
39) 2-Hexanone-d5	8.13	63	29640	55.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	64540	26.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	78365	23.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68788	19.820 ug/L	99
3) Chloromethane	1.25	50	51368	21.539 ug/L	99
5) Vinyl chloride	1.32	62	56749	21.315 ug/L	99
6) Bromomethane	1.53	94	30483	23.814 ug/L	99
8) Chloroethane	1.60	64	33123	22.213 ug/L	96
9) Trichlorofluoromethane	1.77	101	116413	25.528 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70342	22.491 ug/L	99
12) 1,1-Dichloroethene	2.14	96	62293	22.825 ug/L	97
13) Acetone	2.19	43	50824	43.245 ug/L	98
14) Carbon disulfide	2.32	76	193781	22.112 ug/L	99
15) Methyl Acetate	2.46	43	37458	25.135 ug/L	99
16) Methylene chloride	2.53	84	74148	20.797 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	158730	25.600 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	68149	23.108 ug/L	100
19) 1,1-Dichloroethane	3.23	63	113481	23.737 ug/L	100
21) 2-Butanone	4.02	43	52369	47.543 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	73085	23.767 ug/L	100

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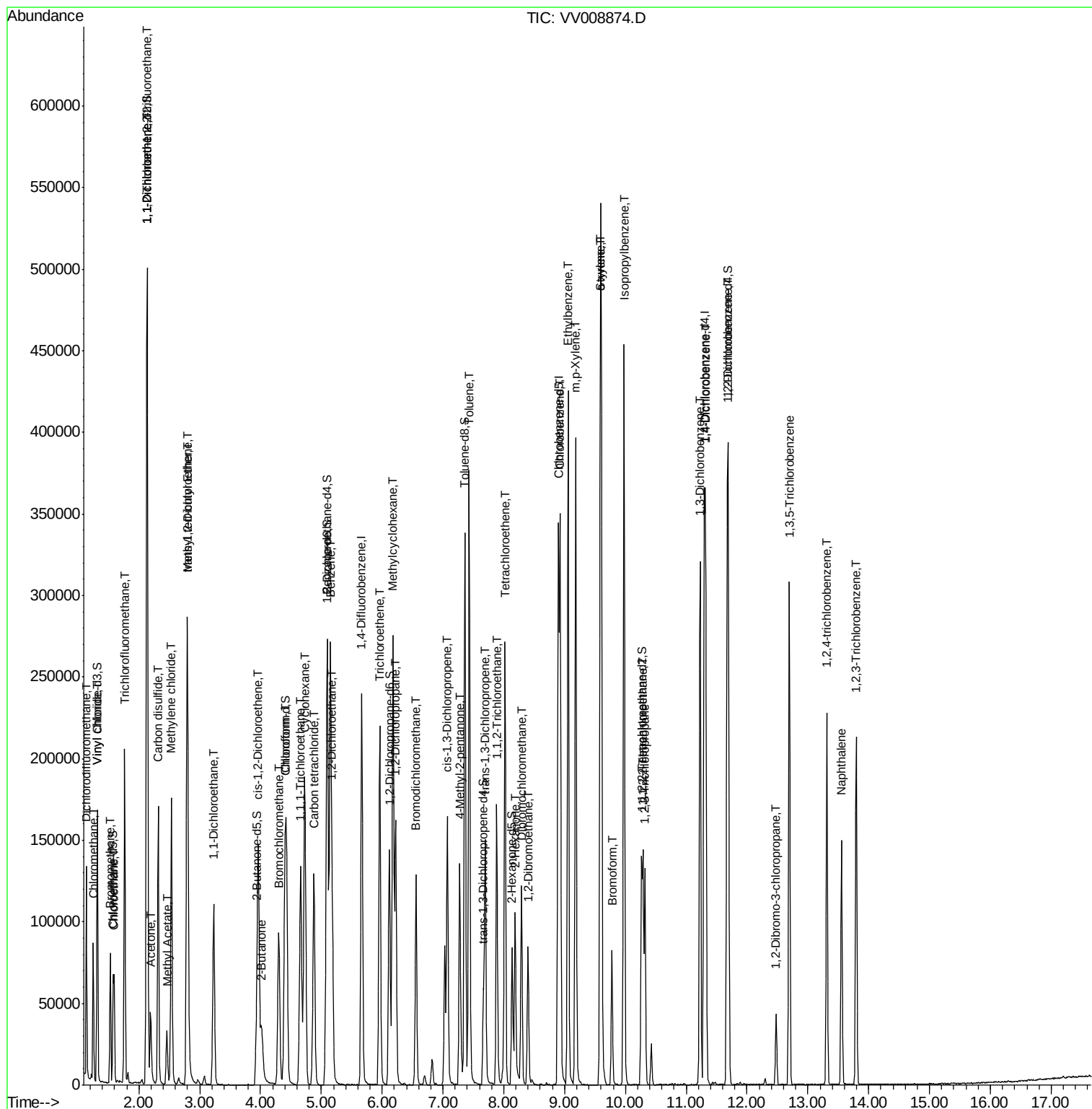
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35168	24.265	ug/L	99
25) Chloroform	4.43	83	123945	24.157	ug/L	99
27) 1,2-Dichloroethane	5.18	62	85614	24.495	ug/L	99
30) Cyclohexane	4.73	56	103478	21.882	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	110408	22.802	ug/L	99
32) Carbon tetrachloride	4.88	117	99370	22.480	ug/L	100
34) Benzene	5.15	78	259598	23.072	ug/L	100
35) Trichloroethene	5.96	95	75740	22.328	ug/L	98
36) Methylcyclohexane	6.18	83	119631	22.113	ug/L	99
40) 1,2-Dichloropropane	6.22	63	62948	23.311	ug/L	99
41) Bromodichloromethane	6.56	83	85498	24.022	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	94251	23.840	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	93115	51.017	ug/L	99
44) Toluene	7.43	91	275479	23.346	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	82782	24.020	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	54321	24.142	ug/L	98
47) Tetrachloroethene	8.02	164	60926	22.086	ug/L	99
49) 2-Hexanone	8.19	43	63942	42.346	ug/L	98
50) Dibromochloromethane	8.29	129	64396	24.968	ug/L	98
51) 1,2-Dibromoethane	8.40	107	56884	25.175	ug/L	100
52) Chlorobenzene	8.93	112	181989	23.686	ug/L	100
53) Ethylbenzene	9.06	91	302916	23.663	ug/L	99
54) m,p-Xylene	9.18	106	115088	23.744	ug/L	98
55) o-xylene	9.59	106	109081	24.222	ug/L	96
56) Styrene	9.60	104	180449	24.839	ug/L	97
57) Isopropylbenzene	9.98	105	291599	23.824	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	63298	26.022	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	53130	25.244	ug/L	100
62) Bromoform	9.78	173	38946	24.092	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	133960	23.219	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	136895	23.058	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	126360	23.758	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10913	25.044	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	94446	22.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	69131	23.676	ug/L	98
69) Naphthalene	13.55	128	118317	23.526	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	64931	24.072	ug/L	99

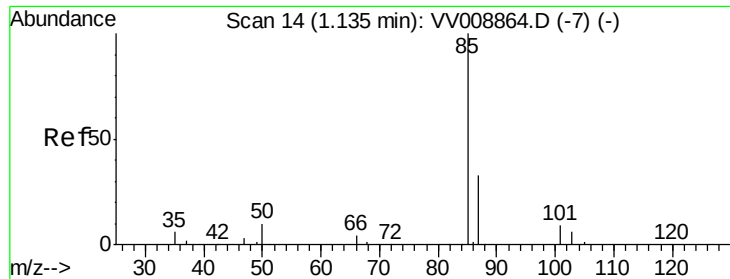
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.820 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

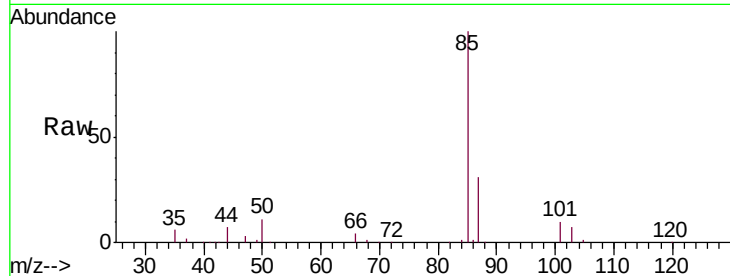
BFB56

Tgt Ion: 85 Resp: 68788

Ion Ratio Lower Upper

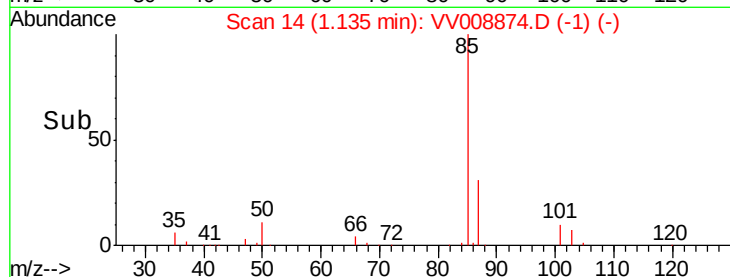
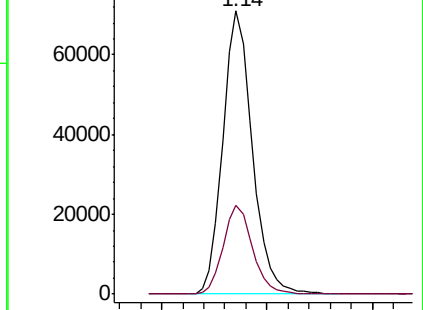
85 100

87 31.2 22.4 41.6

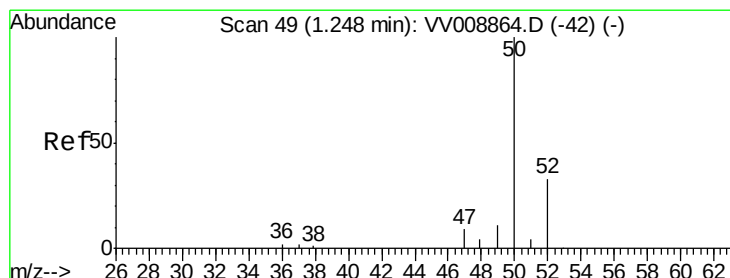


Abundance Ion 85.00 (84.70 to 85.70): VV008864.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008864.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 21.539 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV008874.D

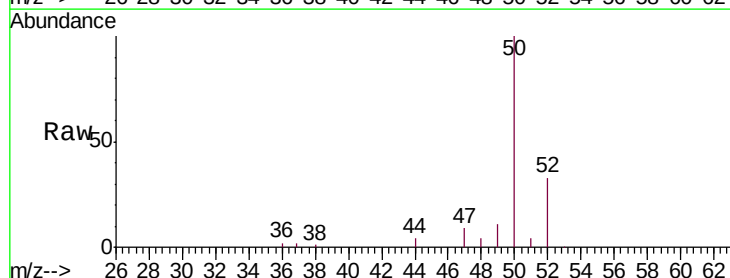
Acq: 06 Dec 2018 23:25

Tgt Ion: 50 Resp: 51368

Ion Ratio Lower Upper

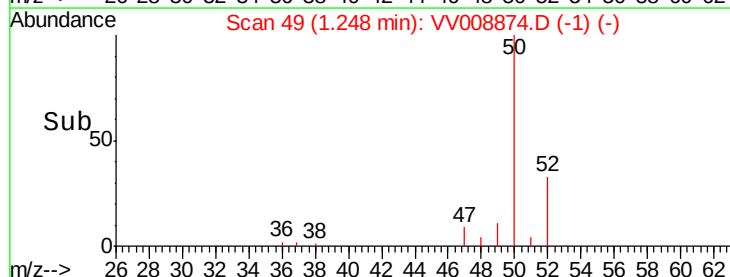
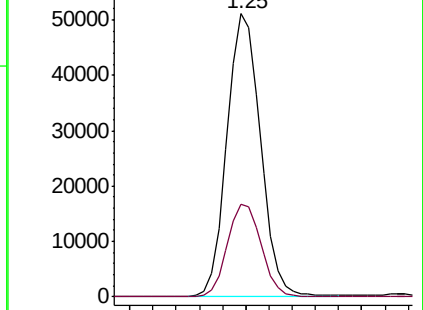
50 100

52 32.9 23.2 43.2

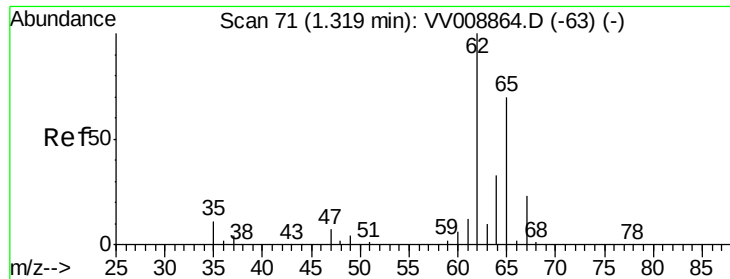


Abundance Ion 50.00 (49.70 to 50.70): VV008864.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008864.D (-42) (-)



Time-->



#5

Vinyl chloride

Concen: 21.315 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

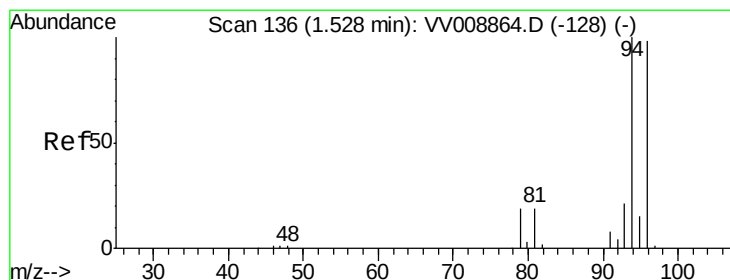
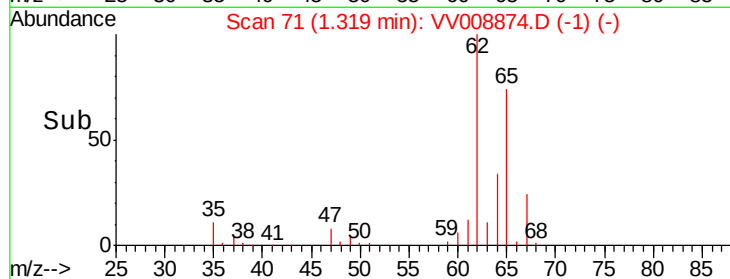
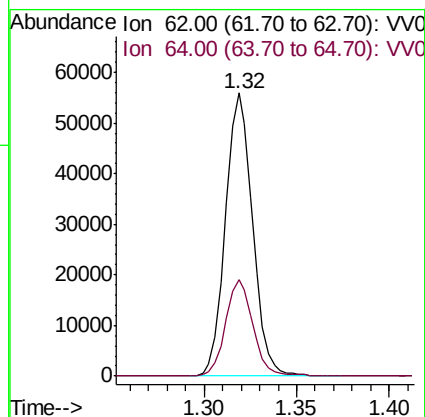
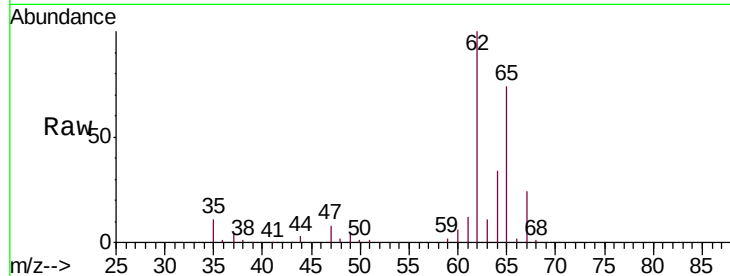
BFB56

Tgt Ion: 62 Resp: 56749

Ion Ratio Lower Upper

62 100

64 34.1 23.3 43.3



#6

Bromomethane

Concen: 23.814 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008874.D

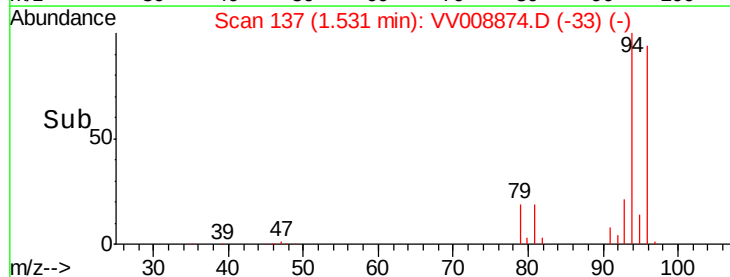
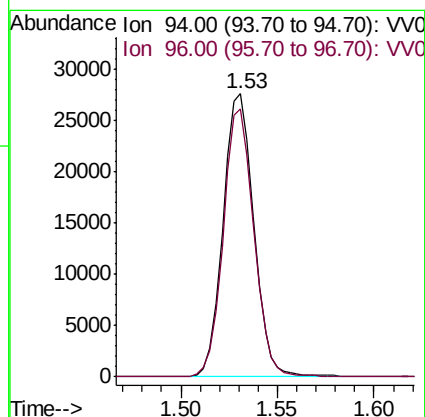
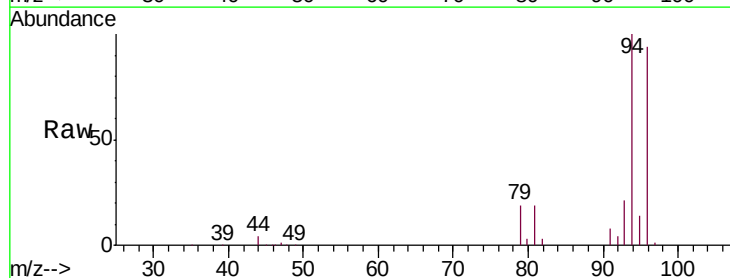
Acq: 06 Dec 2018 23:25

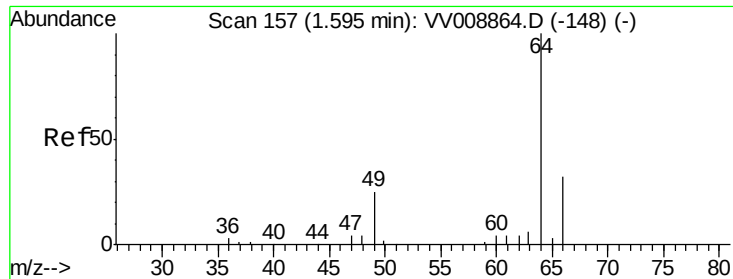
Tgt Ion: 94 Resp: 30483

Ion Ratio Lower Upper

94 100

96 93.8 9.5 180.9





#8

Chloroethane

Concen: 22.213 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

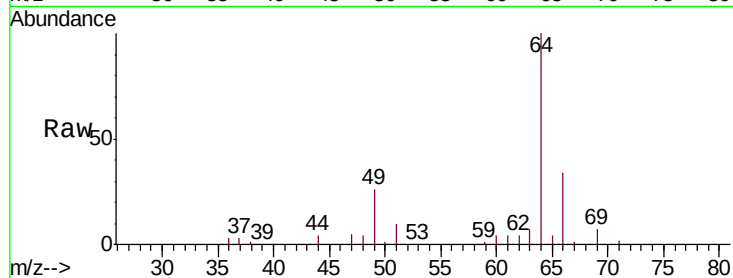
BFB56

Tgt Ion: 64 Resp: 33123

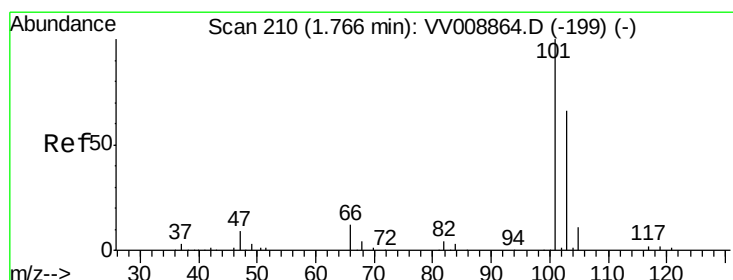
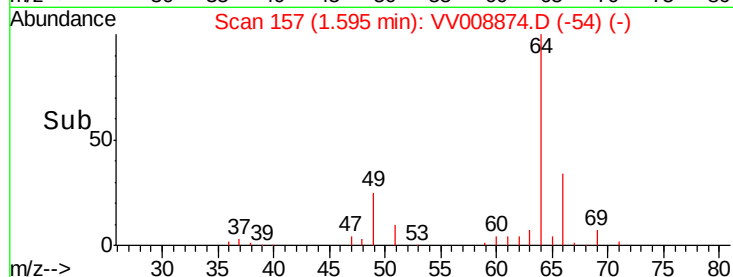
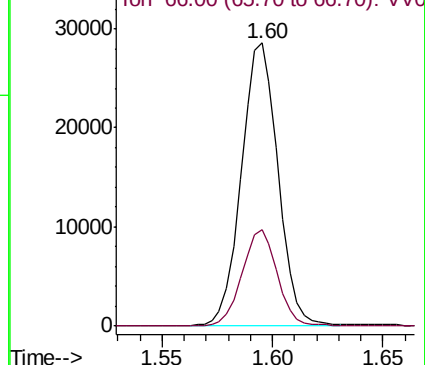
Ion Ratio Lower Upper

64 100

66 33.9 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VV008864.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 25.528 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008874.D

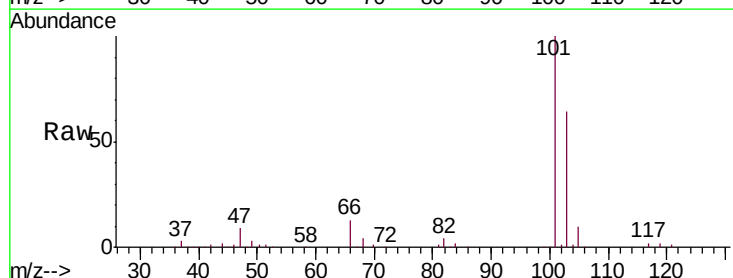
Acq: 06 Dec 2018 23:25

Tgt Ion: 101 Resp: 116413

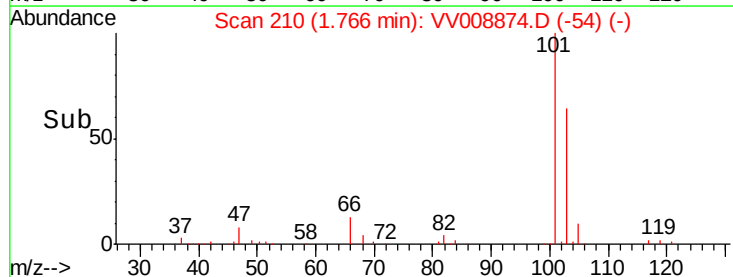
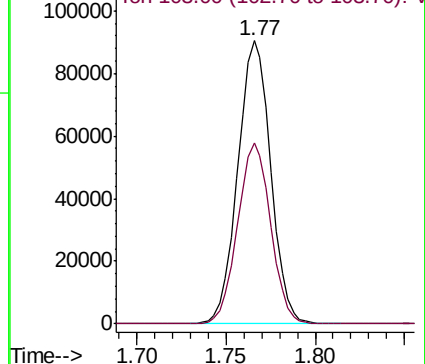
Ion Ratio Lower Upper

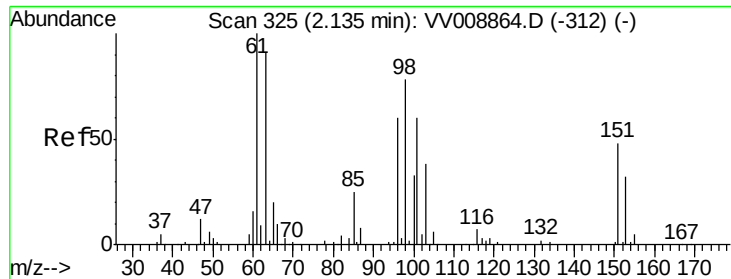
101 100

103 64.3 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008864.D (-199) (-)





#11

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

Concen: 22.491 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampled :

BFB56

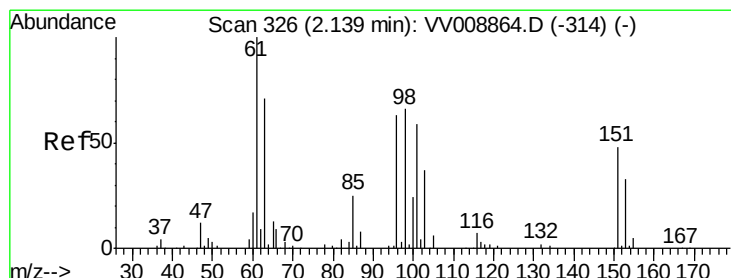
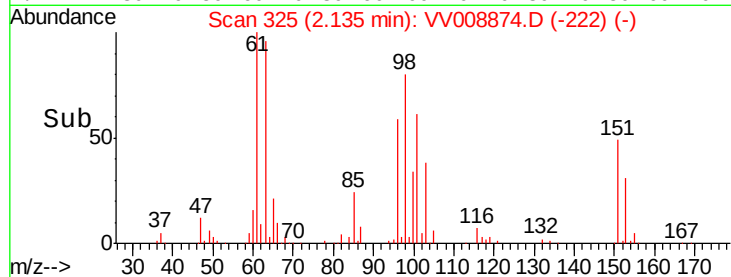
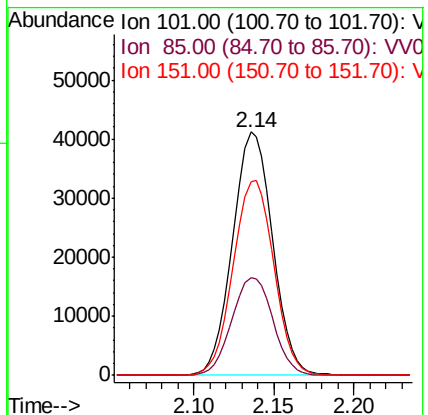
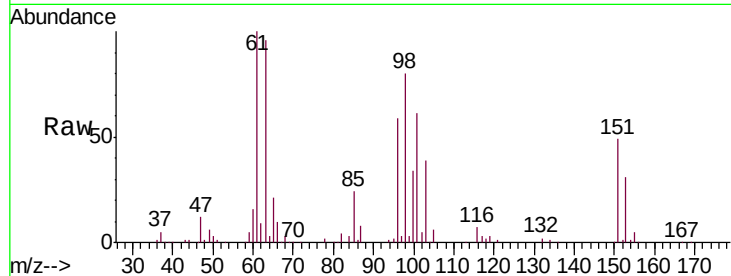
Tgt Ion:101 Resp: 70342

Ion Ratio Lower Upper

101 100

85 41.2 32.5 48.7

151 81.4 64.2 96.4



#12

1,1-Dichloroethene

Concen: 22.825 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

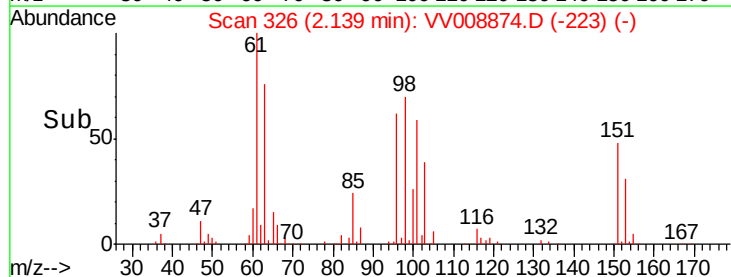
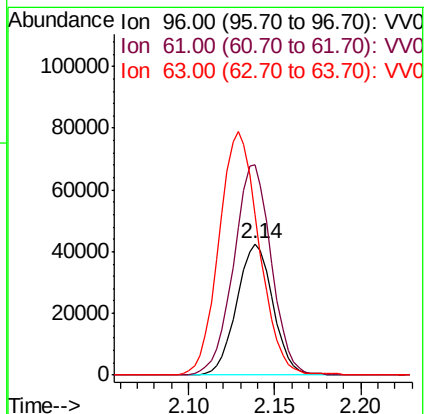
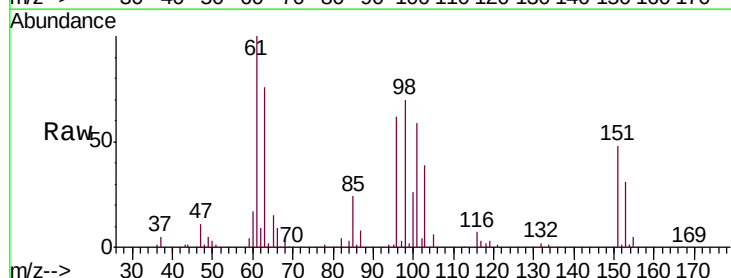
Tgt Ion: 96 Resp: 62293

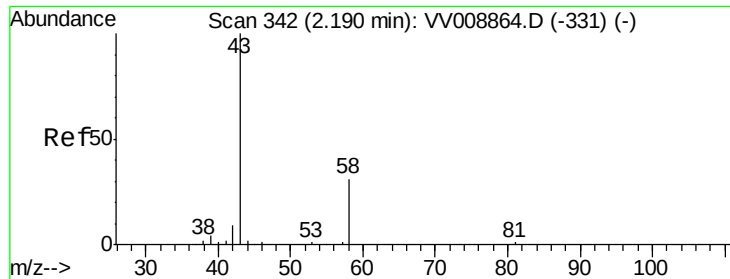
Ion Ratio Lower Upper

96 100

61 160.4 114.0 211.6

63 121.8 82.4 153.0





#13

Acetone

Concen: 43.245 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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ClientSampleId :

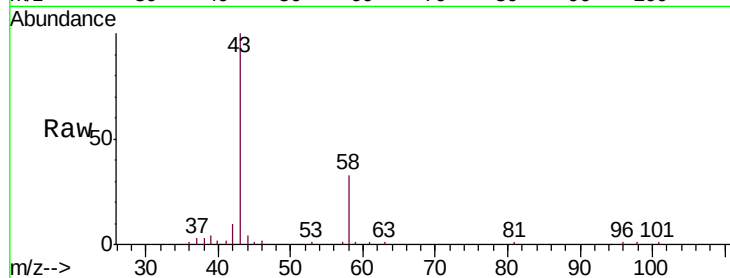
BFB56

Tgt Ion: 43 Resp: 50824

Ion Ratio Lower Upper

43 100

58 31.8 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV008864.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008864.D (-331) (-)

2.19

25000

20000

15000

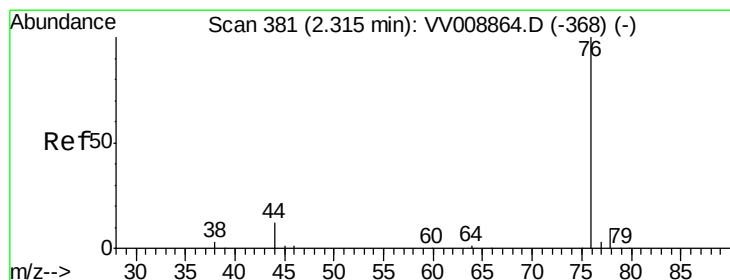
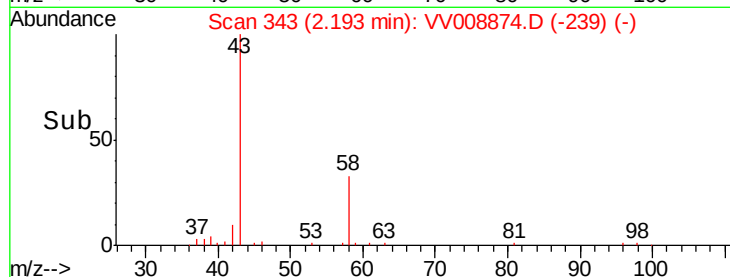
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 22.112 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008874.D

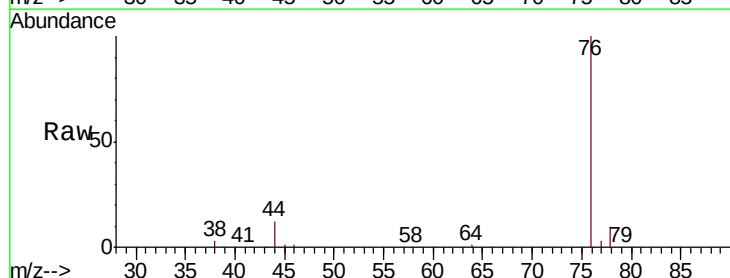
Acq: 06 Dec 2018 23:25

Tgt Ion: 76 Resp: 193781

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008864.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV008864.D (-368) (-)

2.32

150000

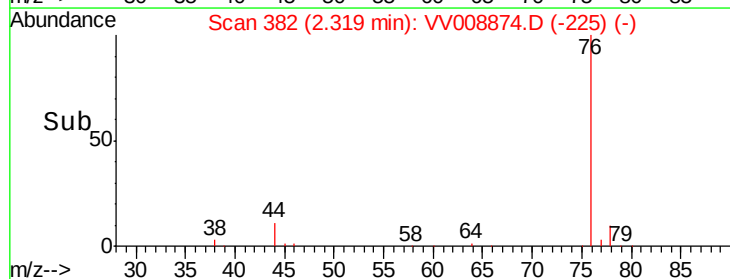
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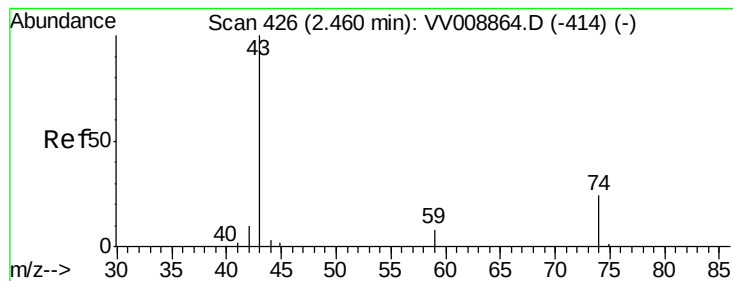
50000

0

Time-->

2.30 2.40





#15

Methyl Acetate

Concen: 25.135 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

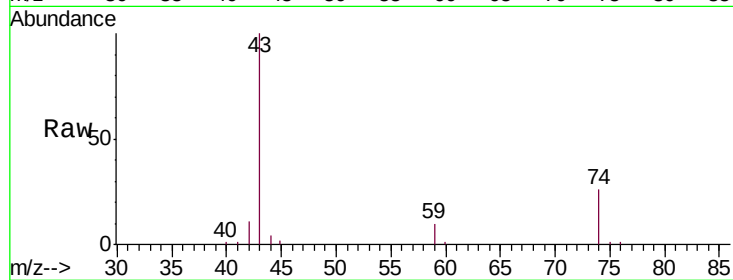
BFB56

Tgt Ion: 43 Resp: 37458

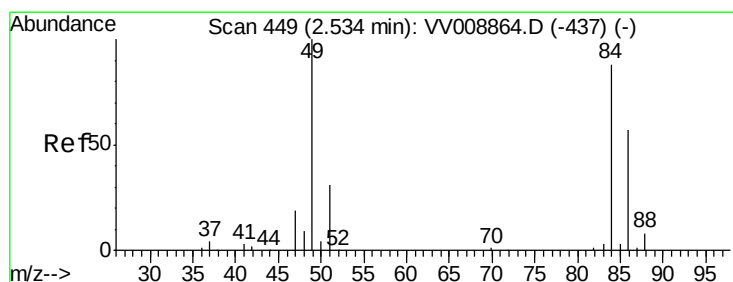
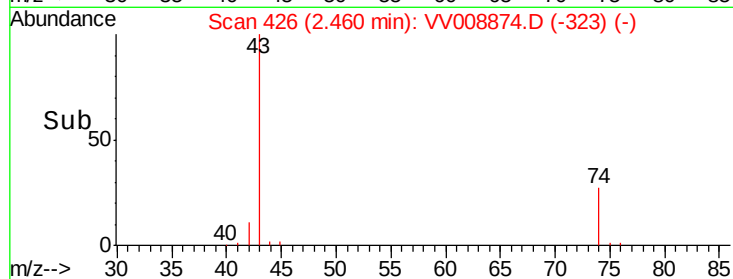
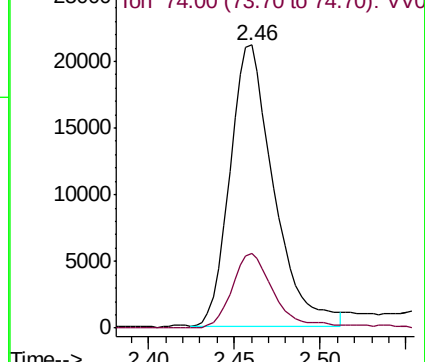
Ion Ratio Lower Upper

43 100

74 25.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV008874.D (-323) (-)



#16

Methylene chloride

Concen: 20.797 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

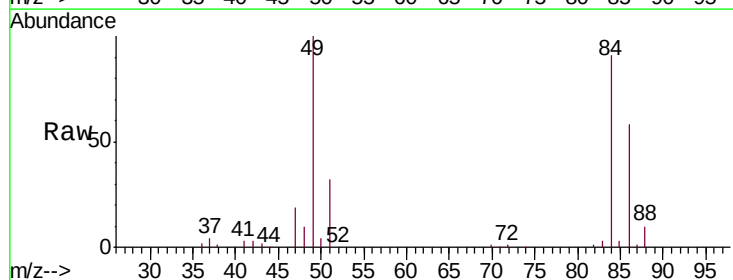
Tgt Ion: 84 Resp: 74148

Ion Ratio Lower Upper

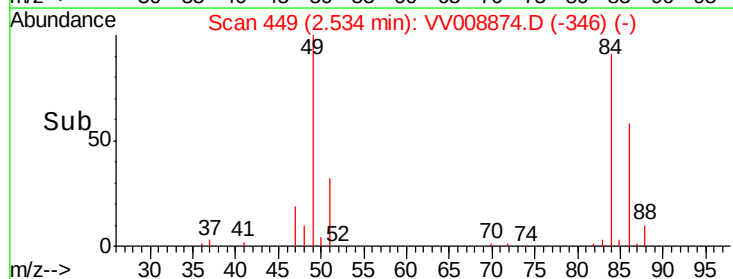
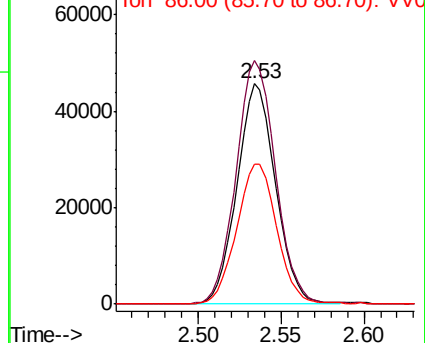
84 100

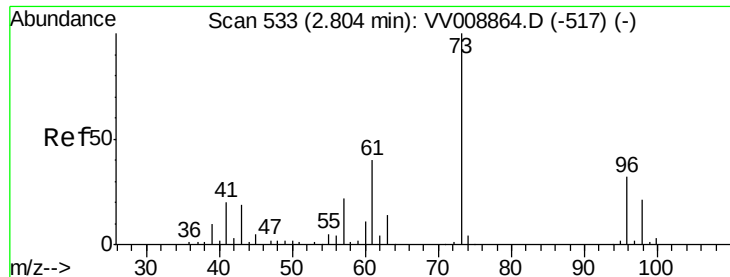
49 110.5 80.5 149.5

86 63.7 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV008874.D (-346) (-)

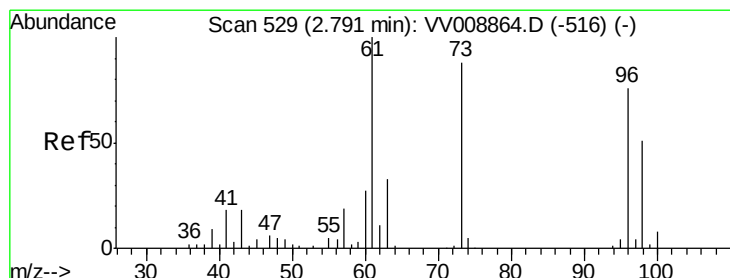
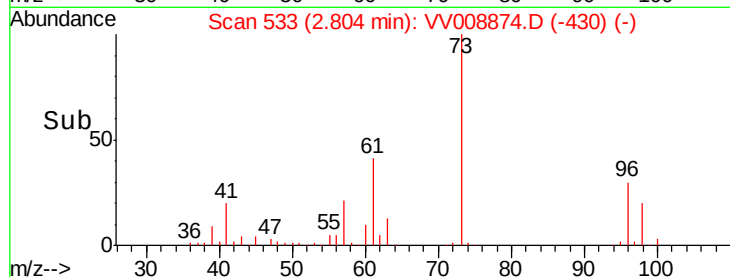
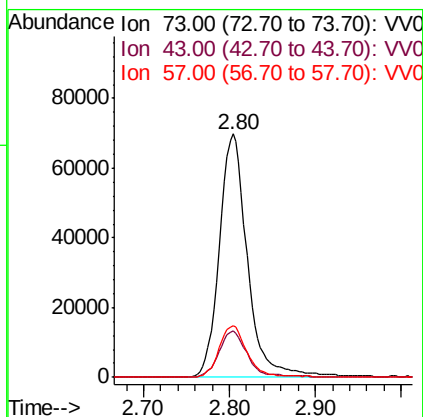
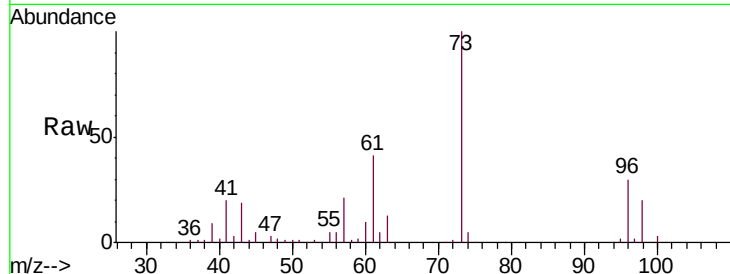




#17
Methyl tert-butyl Ether
Concen: 25.600 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

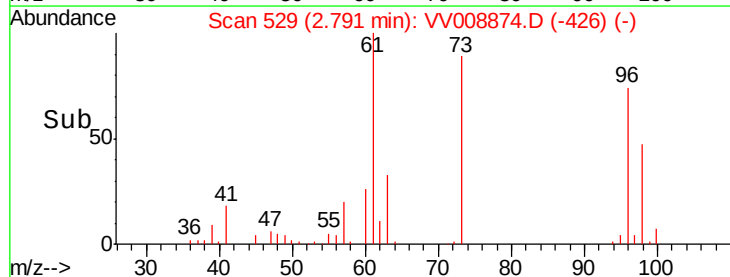
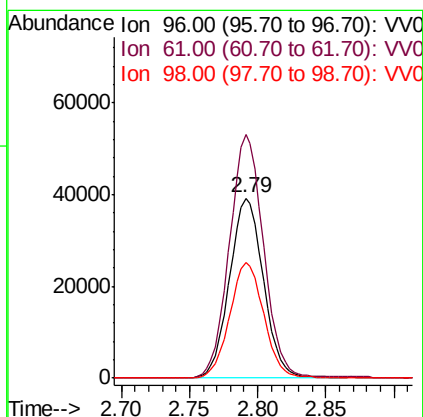
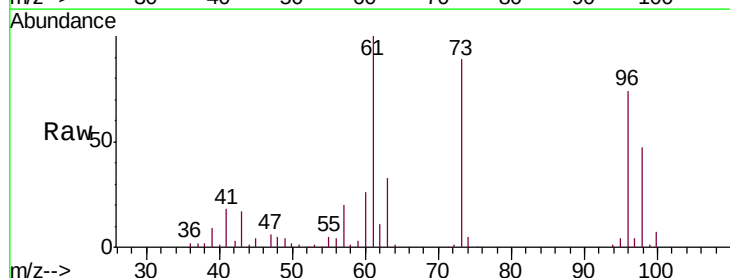
Instrument :
MSVOA_V
ClientSampleId :
BFB56

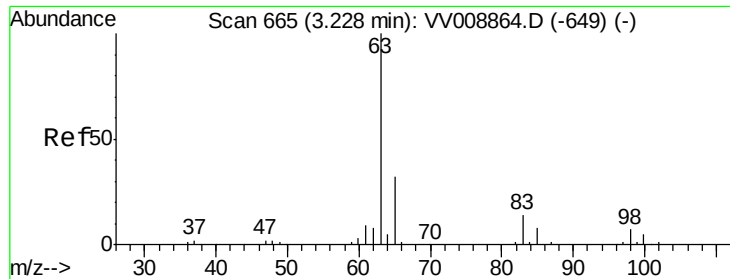
Tgt Ion: 73 Resp: 158730
Ion Ratio Lower Upper
73 100
43 19.0 14.9 22.3
57 21.0 16.0 24.0



#18
trans-1,2-Dichloroethene
Concen: 23.108 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

Tgt Ion: 96 Resp: 68149
Ion Ratio Lower Upper
96 100
61 135.2 94.6 175.8
98 64.0 45.3 84.1

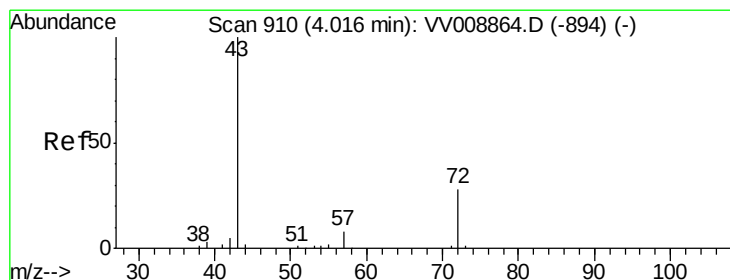
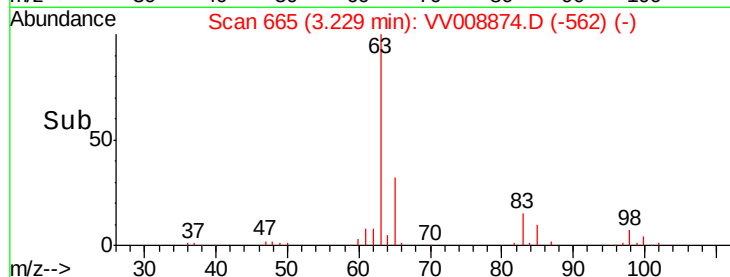
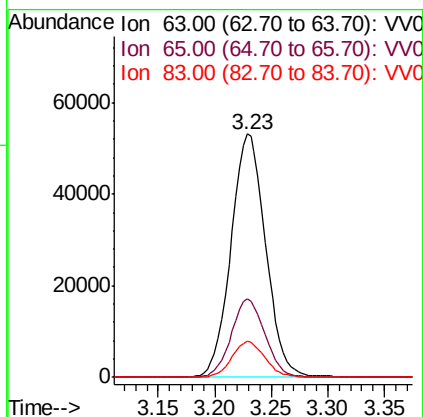
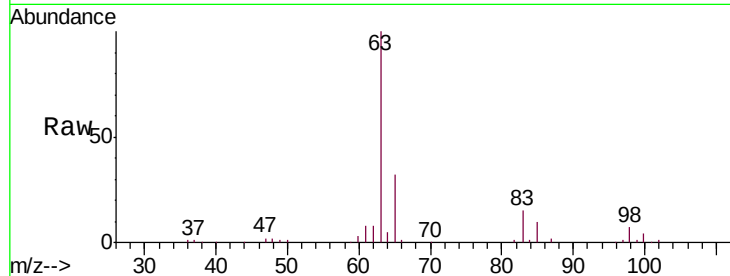




#19
 1,1-Dichloroethane
 Concen: 23.737 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

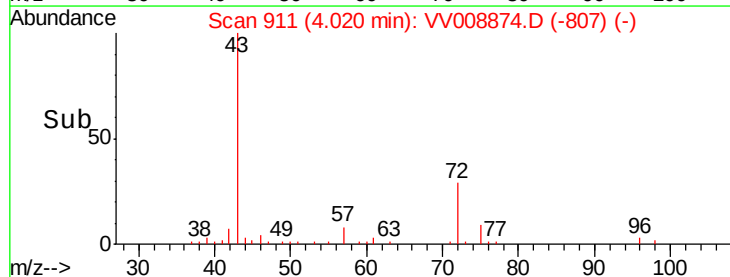
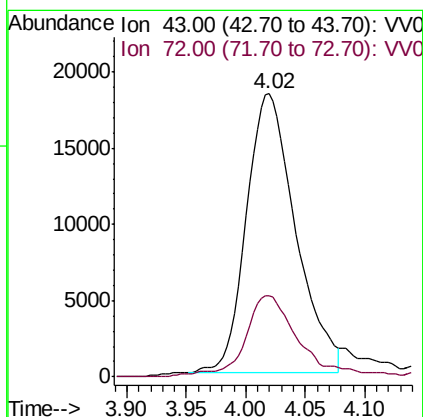
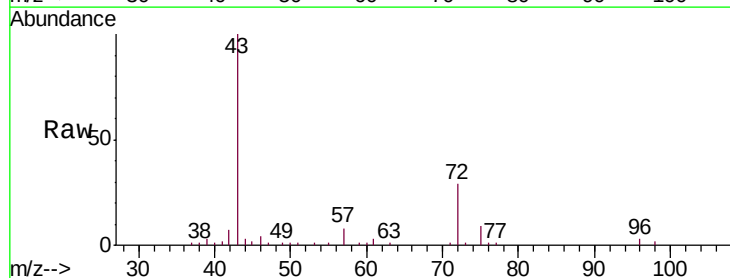
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

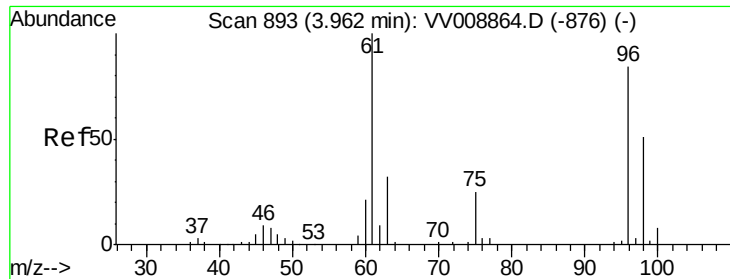
Tgt Ion: 63 Resp: 113481
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.7 42.1
 83 14.7 10.2 19.0



#21
 2-Butanone
 Concen: 47.543 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Tgt Ion: 43 Resp: 52369
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.7 41.1



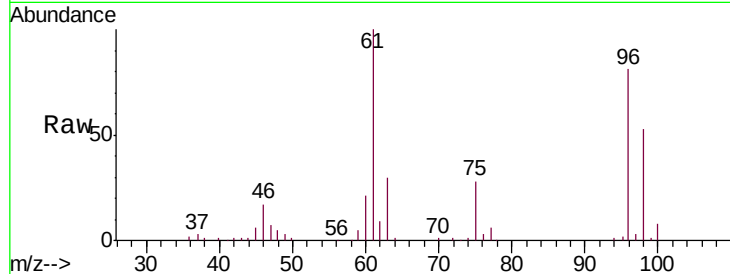


#22

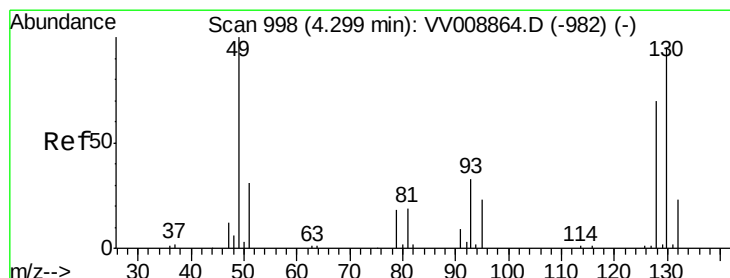
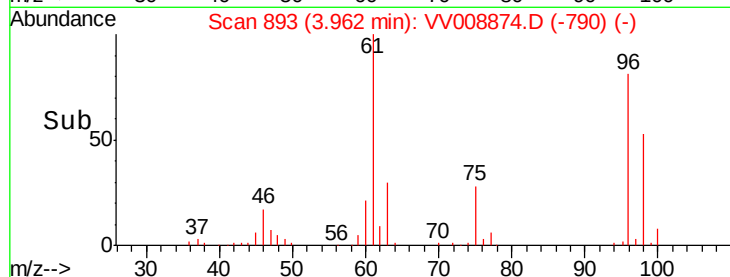
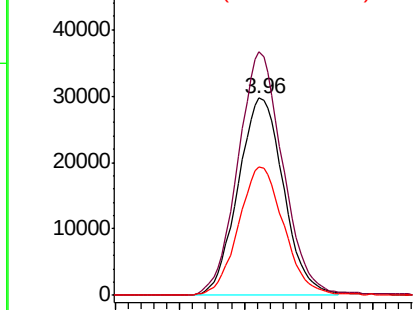
cis-1,2-Dichloroethene
 Concen: 23.767 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

Tgt Ion: 96 Resp: 73085
 Ion Ratio Lower Upper
 96 100
 61 123.7 86.2 160.0
 98 65.3 45.6 84.6



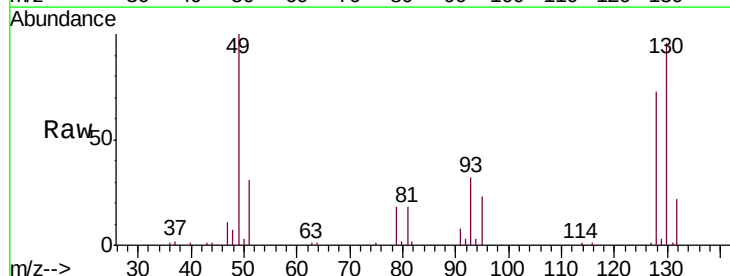
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



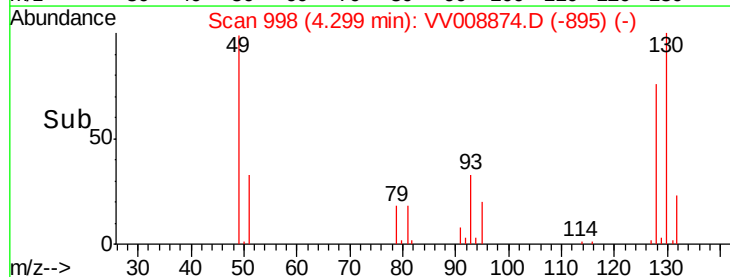
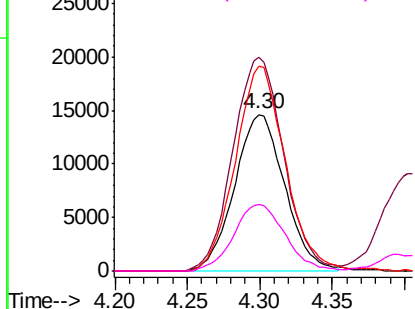
#23

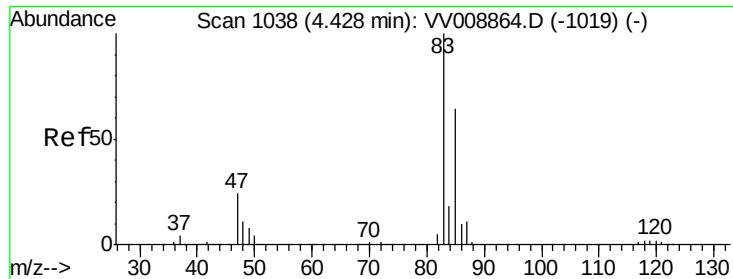
Bromochloromethane
 Concen: 24.265 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Tgt Ion: 128 Resp: 35168
 Ion Ratio Lower Upper
 128 100
 49 136.3 93.8 174.2
 130 130.9 90.4 168.0
 51 42.8 34.2 51.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

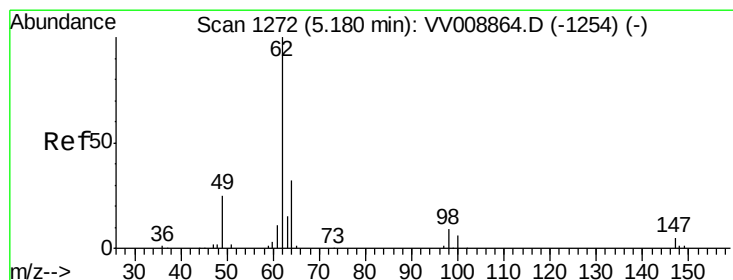
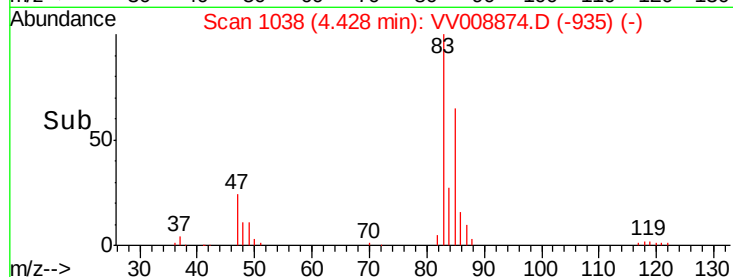
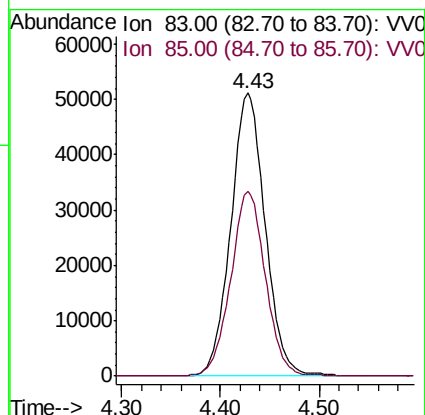
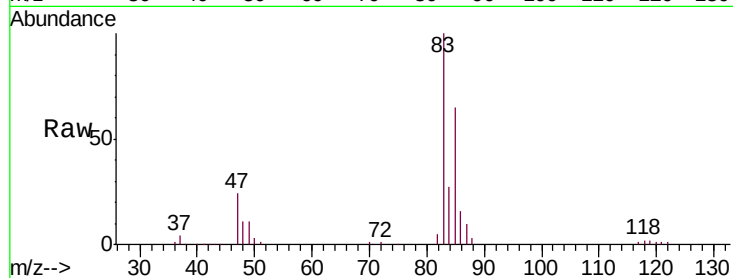




#25
Chloroform
Concen: 24.157 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

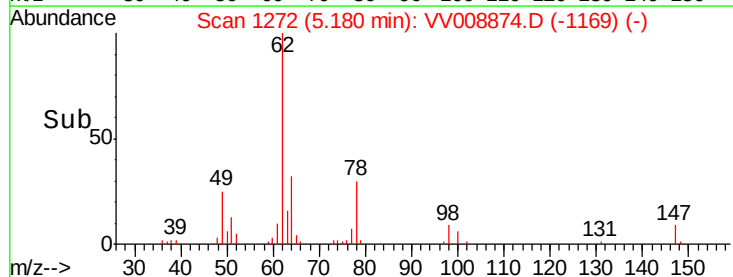
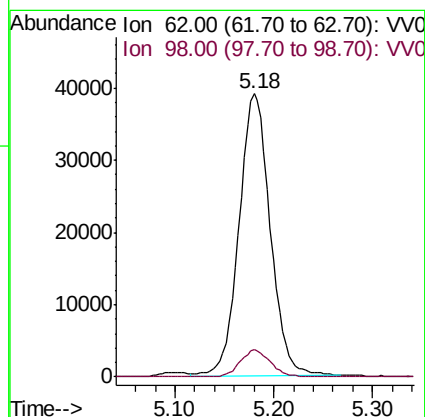
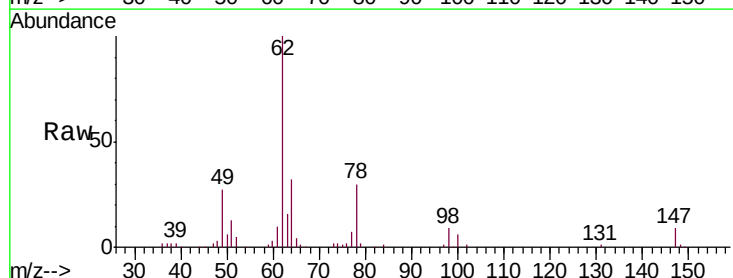
Instrument :
MSVOA_V
ClientSampleId :
BFB56

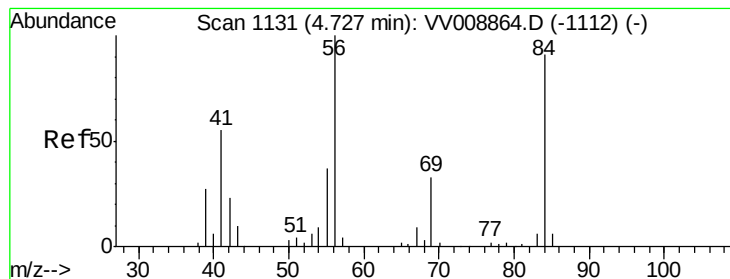
Tgt Ion: 83 Resp: 123945
Ion Ratio Lower Upper
83 100
85 65.9 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.495 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

Tgt Ion: 62 Resp: 85614
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0





#30

Cyclohexane

Concen: 21.882 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampled :

BFB56

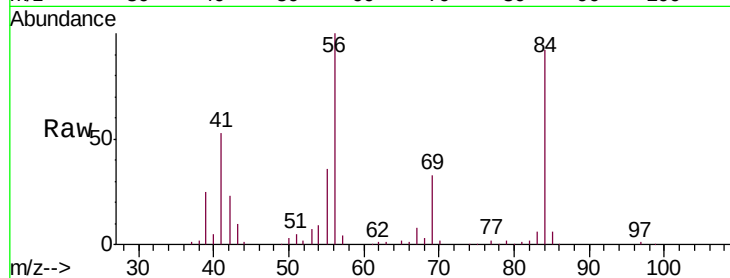
Tgt Ion: 56 Resp: 103478

Ion Ratio Lower Upper

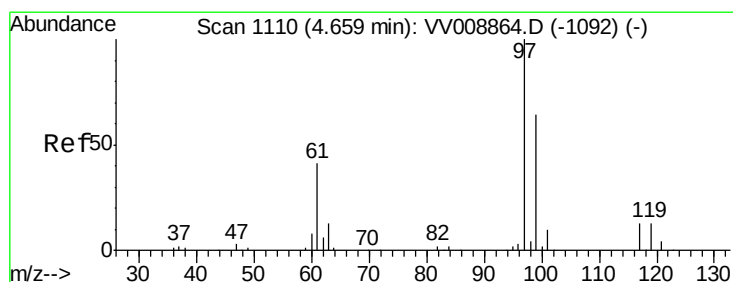
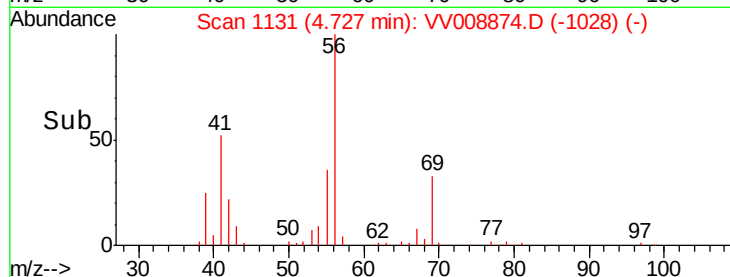
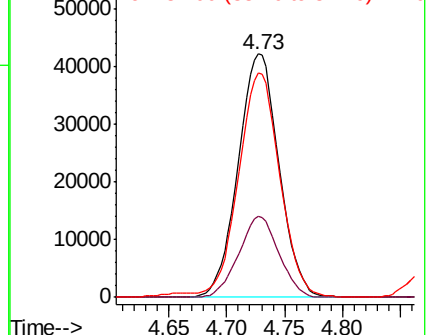
56 100

69 32.6 25.8 38.8

84 92.9 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 22.802 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

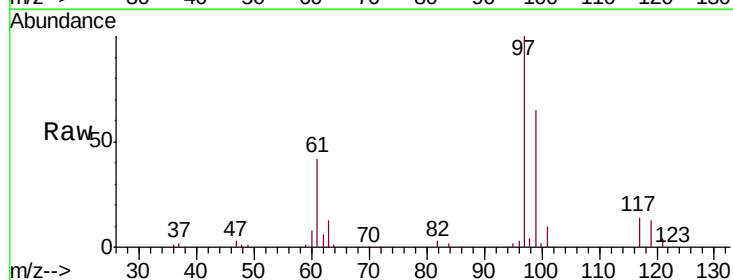
Tgt Ion: 97 Resp: 110408

Ion Ratio Lower Upper

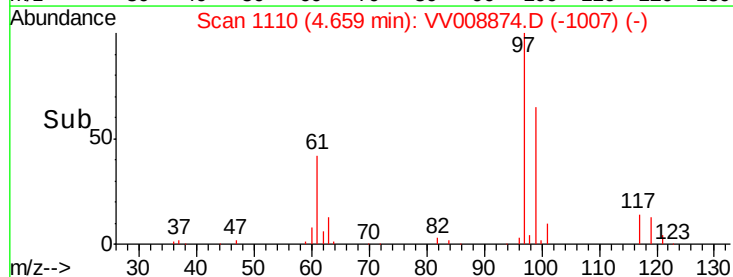
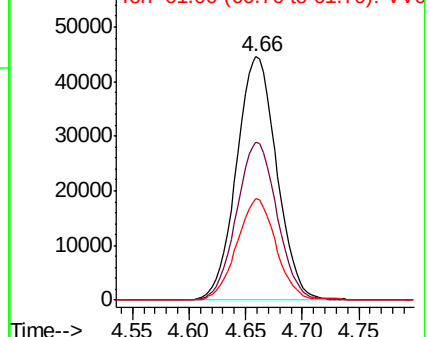
97 100

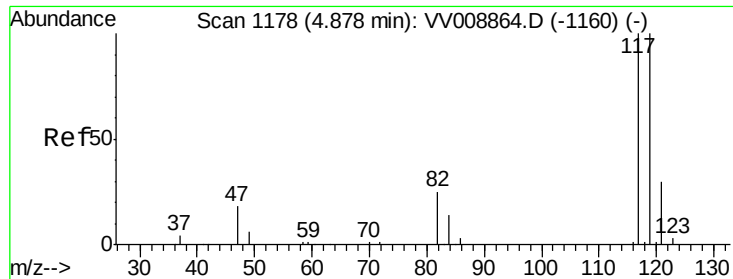
99 65.2 51.9 77.9

61 40.5 33.1 49.7



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 22.480 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

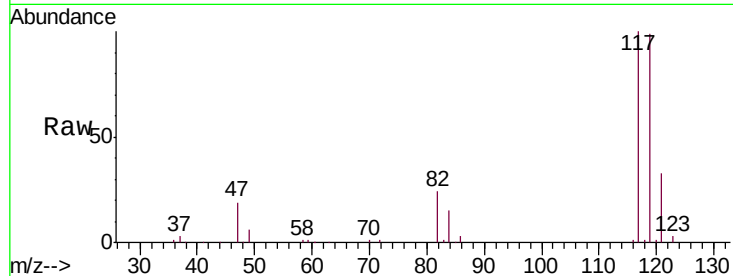
BFB56

Tgt Ion:117 Resp: 99370

Ion Ratio Lower Upper

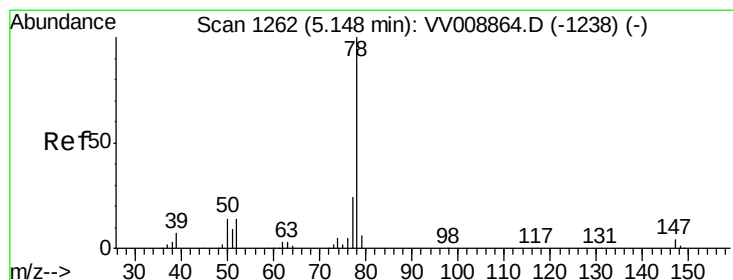
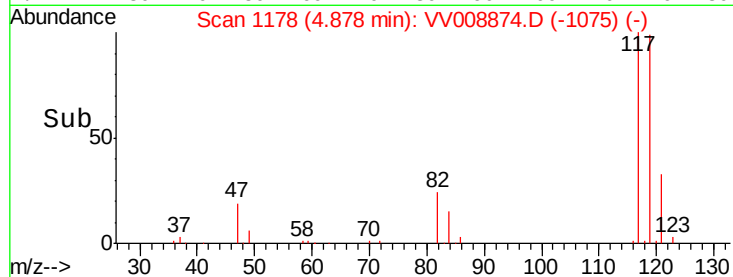
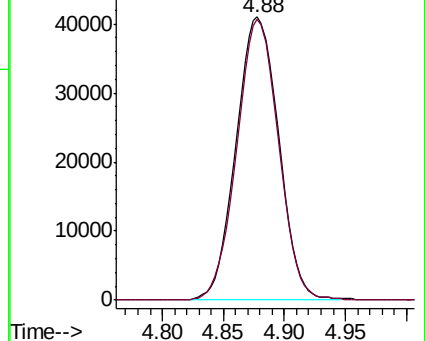
117 100

119 96.7 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.072 ug/L

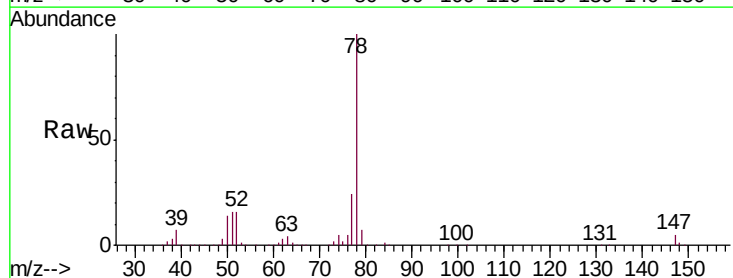
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

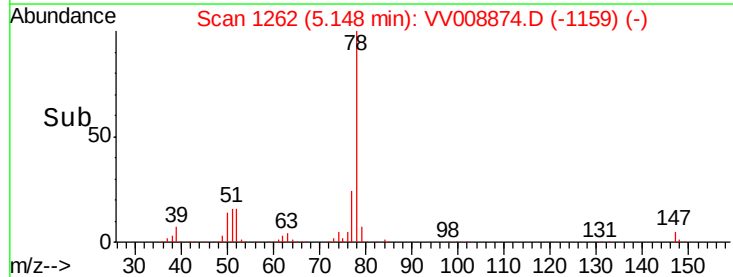
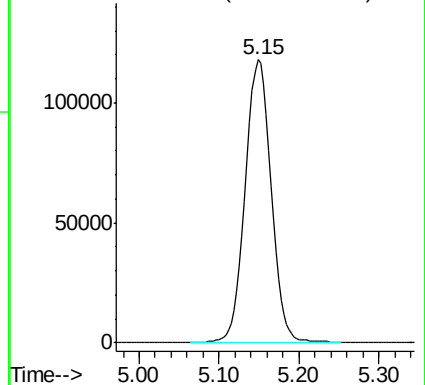
Lab File: VV008874.D

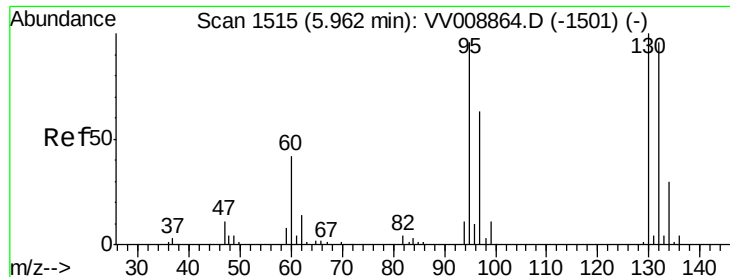
Acq: 06 Dec 2018 23:25

Tgt Ion: 78 Resp: 259598



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 22.328 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

BFB56

Tgt Ion: 95 Resp: 75740

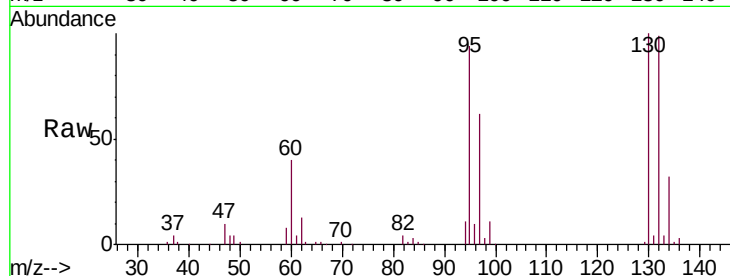
Ion Ratio Lower Upper

95 100

97 67.1 45.3 84.1

132 102.1 70.0 130.0

130 104.3 73.4 136.4

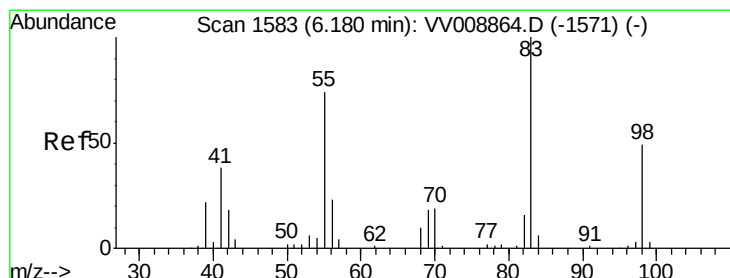
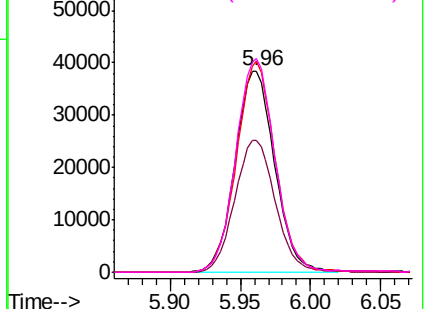
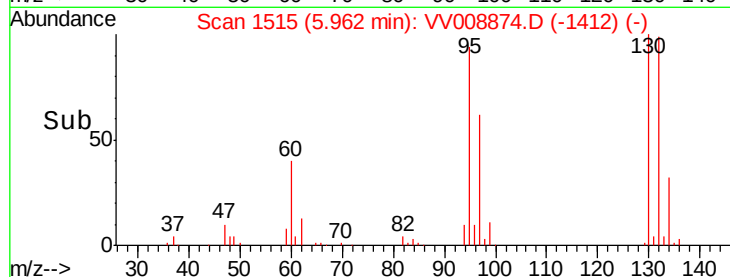


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 22.113 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

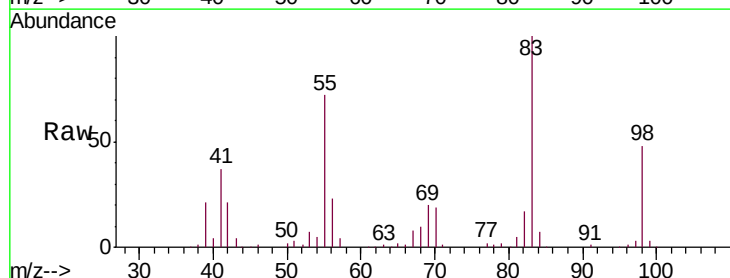
Tgt Ion: 83 Resp: 119631

Ion Ratio Lower Upper

83 100

55 73.0 58.2 87.2

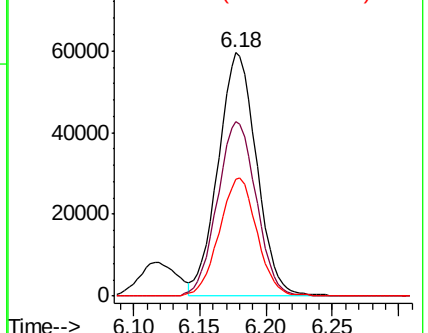
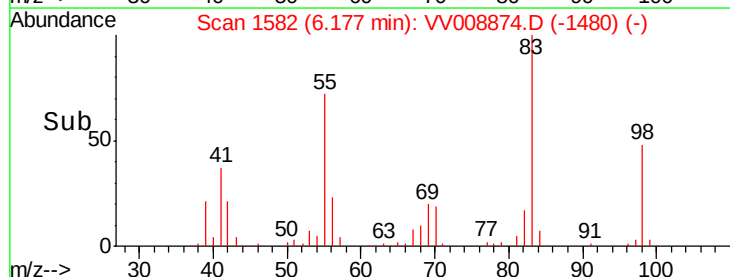
98 47.9 37.8 56.8

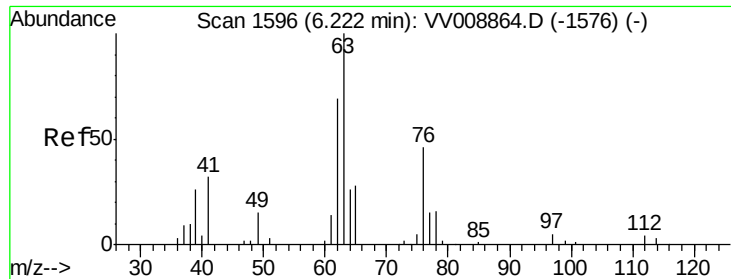


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

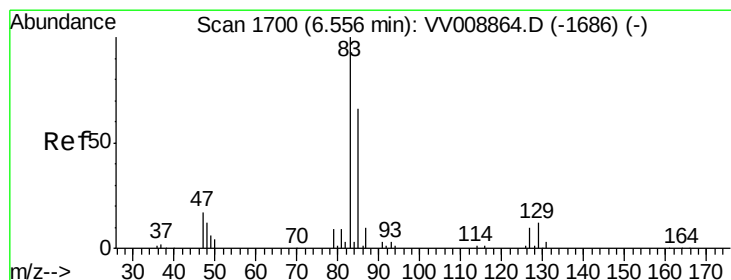
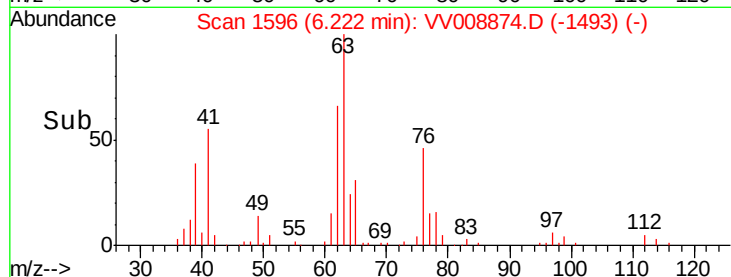
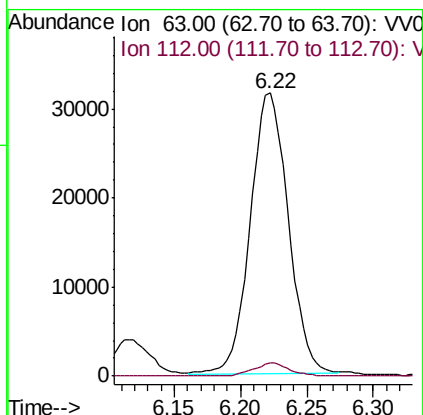
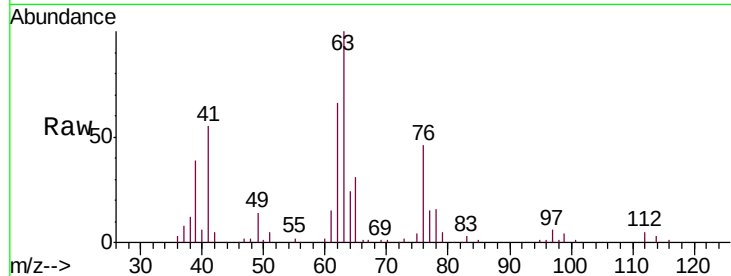




#40
 1,2-Dichloropropane
 Concen: 23.311 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

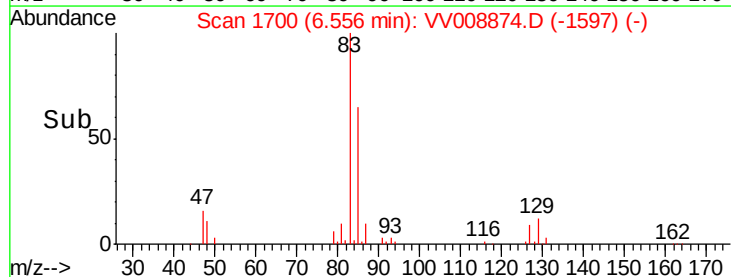
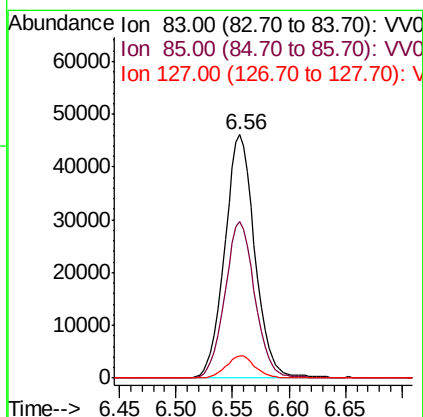
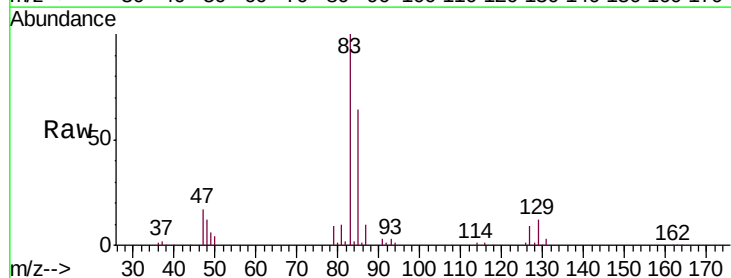
Instrument :
 MSVOA_V
 ClientSampled :
 BFB56

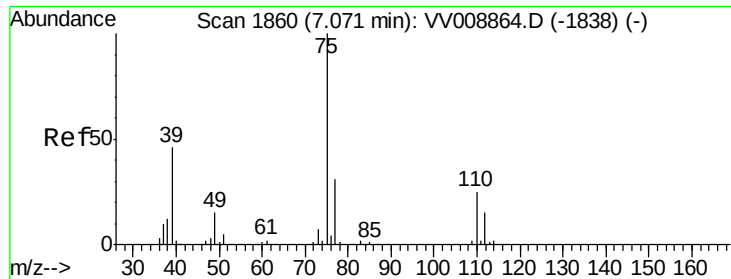
Tgt Ion: 63 Resp: 62948
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.022 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Tgt Ion: 83 Resp: 85498
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 9.2 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 23.840 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

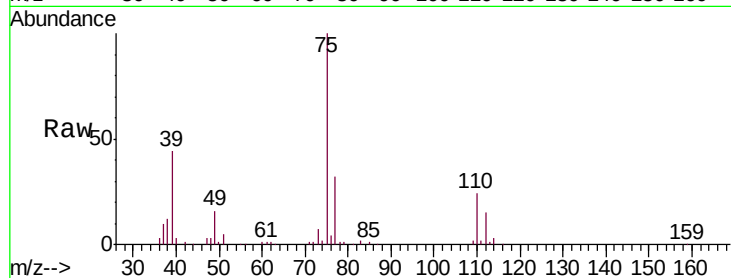
BFB56

Tgt Ion: 75 Resp: 94251

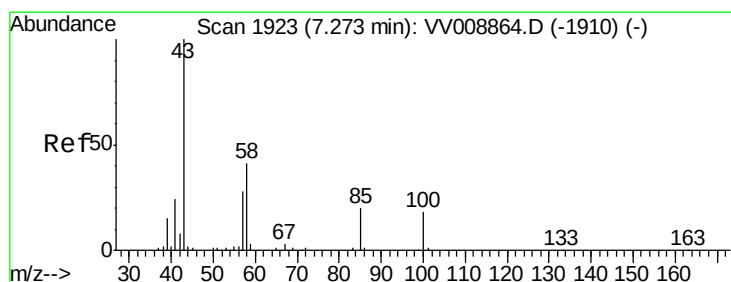
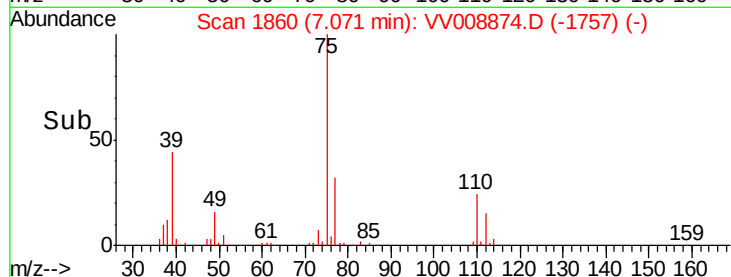
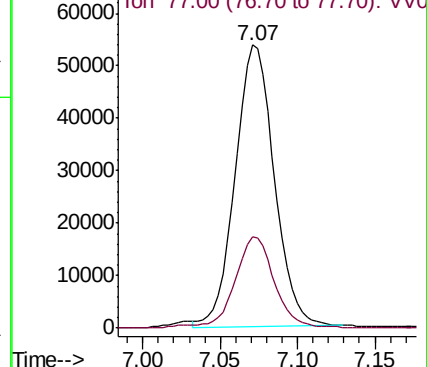
Ion Ratio Lower Upper

75 100

77 32.2 21.3 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV008874.D (-1757) (-)



#43

4-Methyl-2-pentanone

Concen: 51.017 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

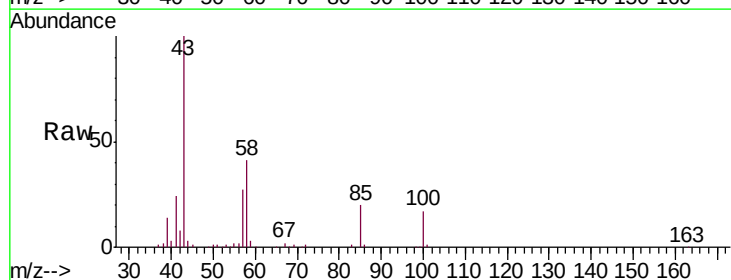
Tgt Ion: 43 Resp: 93115

Ion Ratio Lower Upper

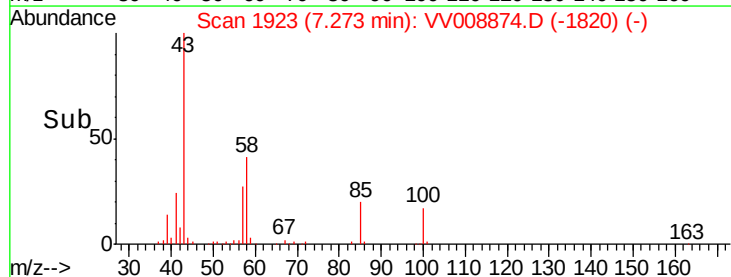
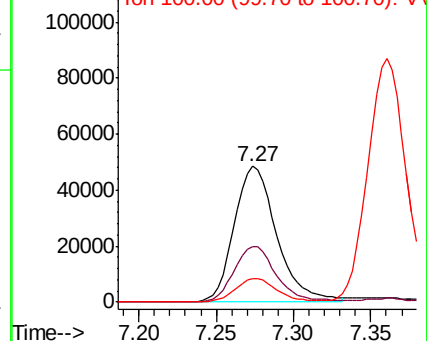
43 100

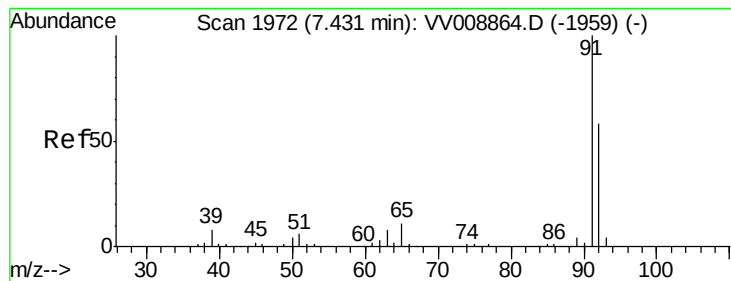
58 40.8 32.2 48.4

100 17.0 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VV008874.D (-1820) (-)





#44

Toluene

Concen: 23.346 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

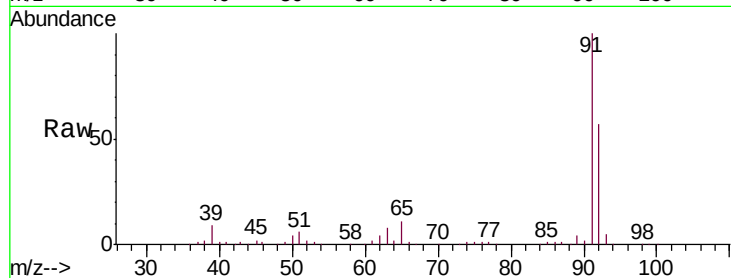
BFB56

Tgt Ion: 91 Resp: 275479

Ion Ratio Lower Upper

91 100

92 57.4 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV008874.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008874.D (-1959) (-)

7.43

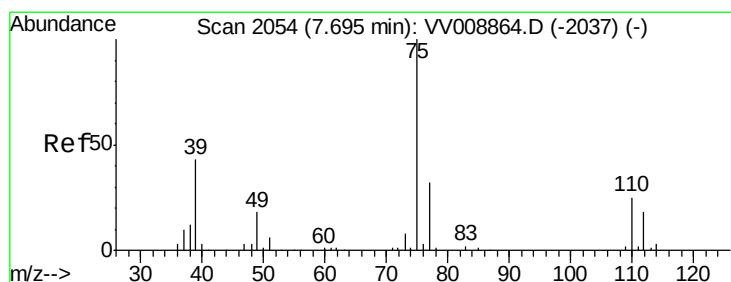
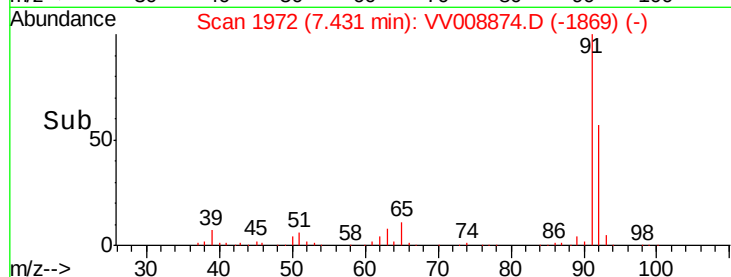
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.020 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008874.D

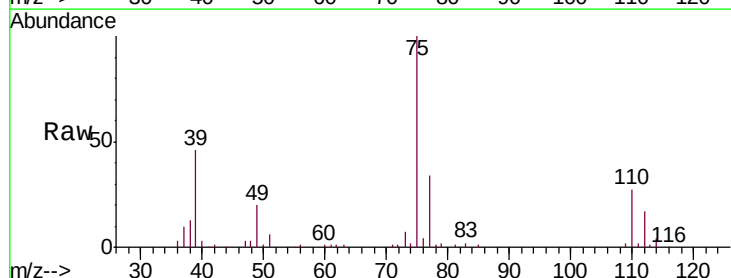
Acq: 06 Dec 2018 23:25

Tgt Ion: 75 Resp: 82782

Ion Ratio Lower Upper

75 100

77 33.6 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008874.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008874.D (-2037) (-)

7.69

50000

40000

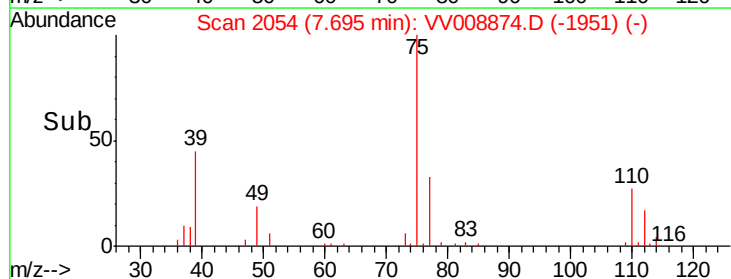
30000

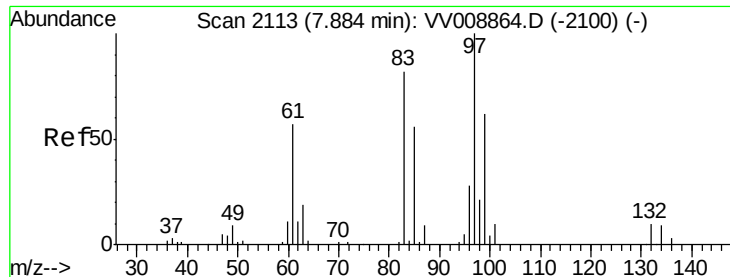
20000

10000

0

Time-->

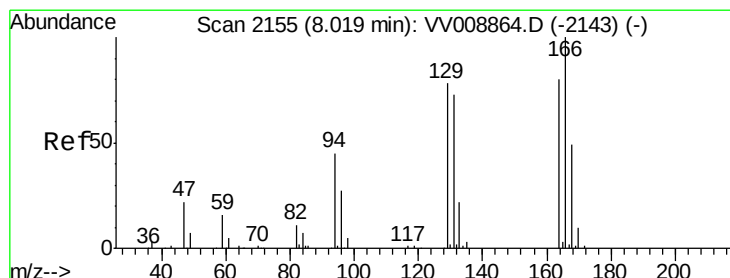
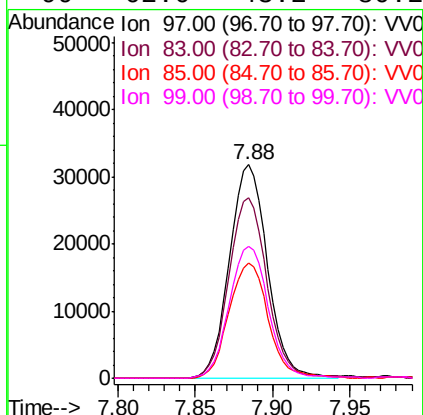
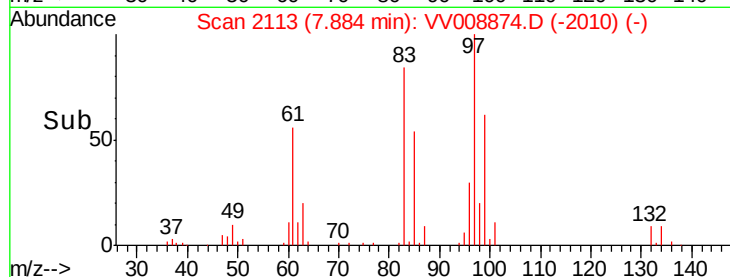
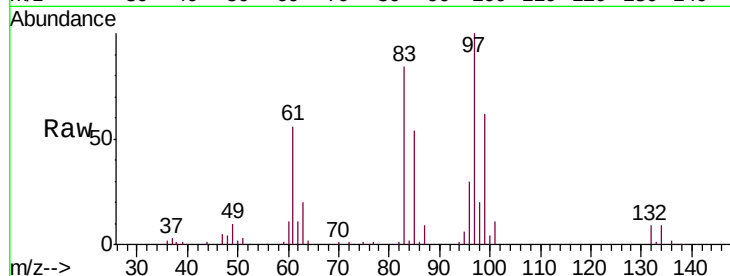




#46
 1,1,2-Trichloroethane
 Concen: 24.142 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

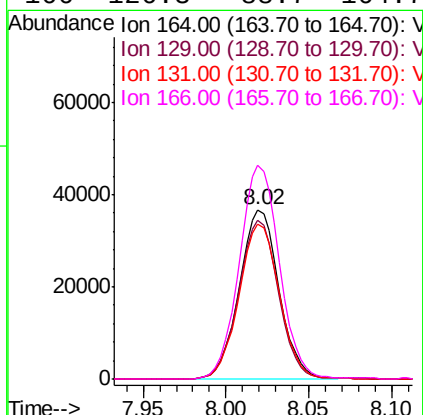
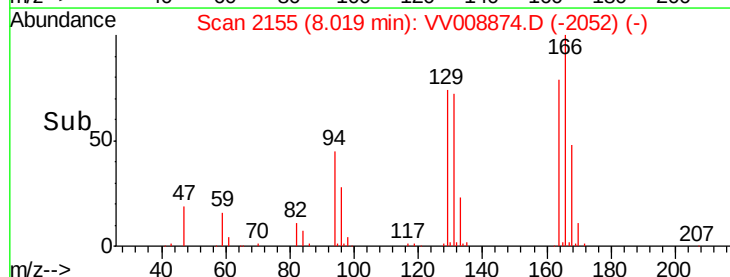
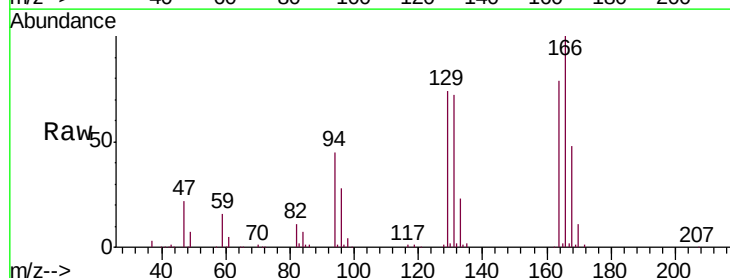
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

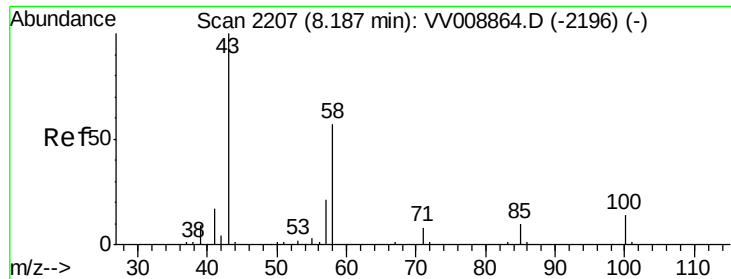
Tgt Ion:	97	Resp:	54321
Ion	Ratio	Lower	Upper
97	100		
83	84.4	56.6	105.2
85	54.0	36.6	68.0
99	62.0	43.2	80.2



#47
 Tetrachloroethene
 Concen: 22.086 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Tgt Ion:	164	Resp:	60926
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.6	120.0
131	91.5	64.5	119.7
166	126.3	88.7	164.7

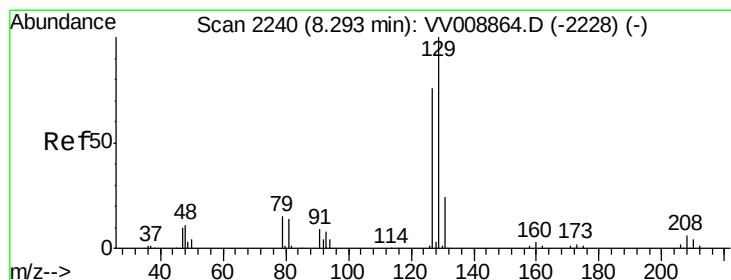
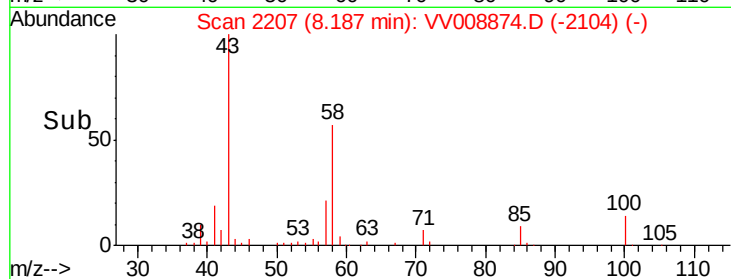
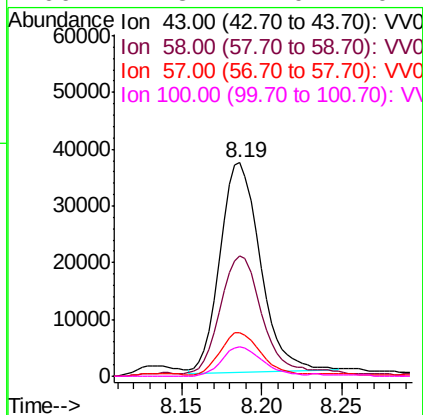
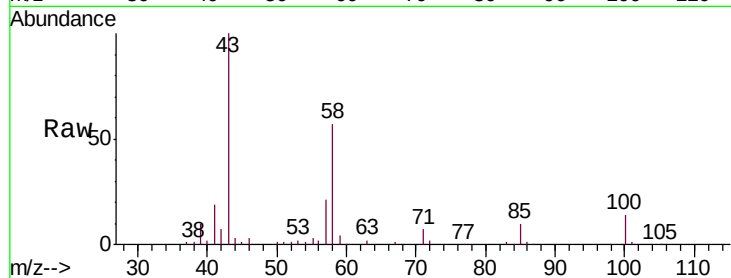




#49
2-Hexanone
Concen: 42.346 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

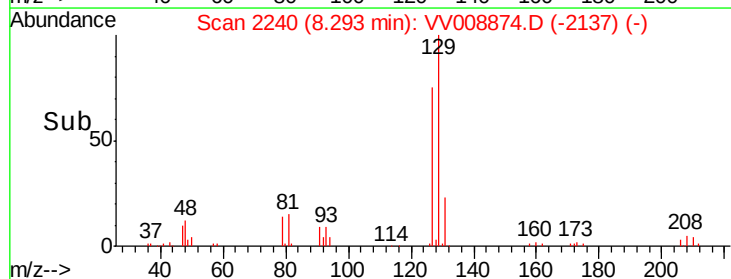
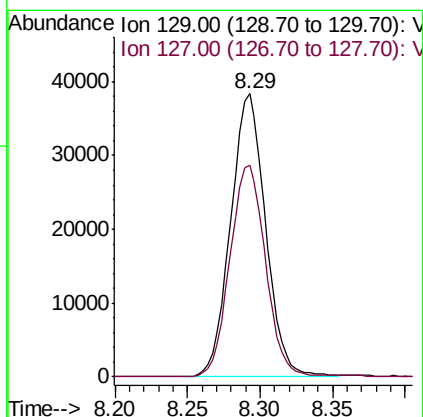
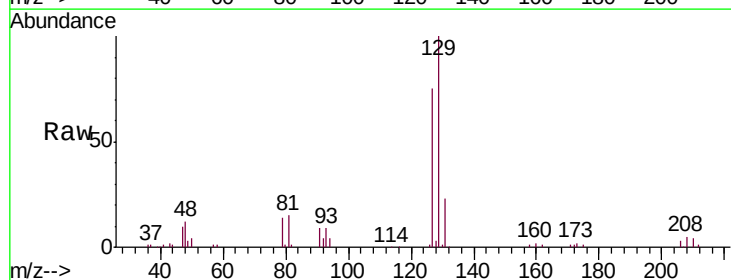
Instrument :
MSVOA_V
ClientSampleId :
BFB56

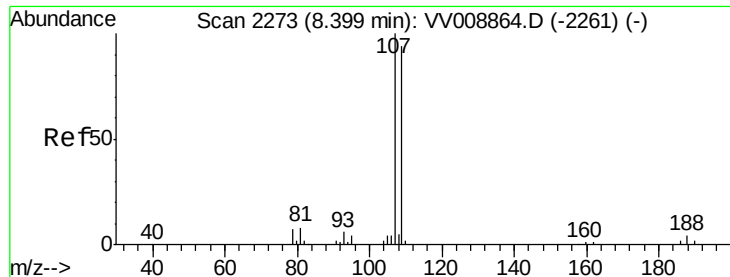
Tgt Ion: 43 Resp: 63942
Ion Ratio Lower Upper
43 100
58 56.8 43.9 65.9
57 20.8 15.7 23.5
100 14.3 11.0 16.4



#50
Dibromochloromethane
Concen: 24.968 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

Tgt Ion: 129 Resp: 64396
Ion Ratio Lower Upper
129 100
127 74.8 53.5 99.3

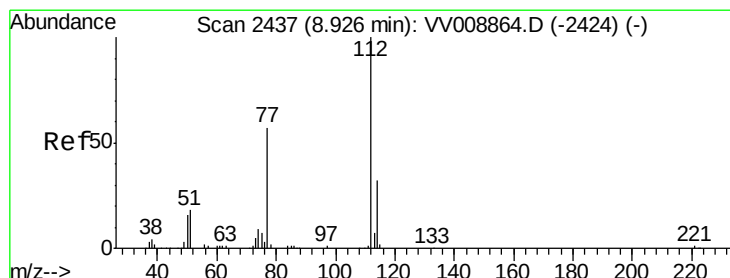
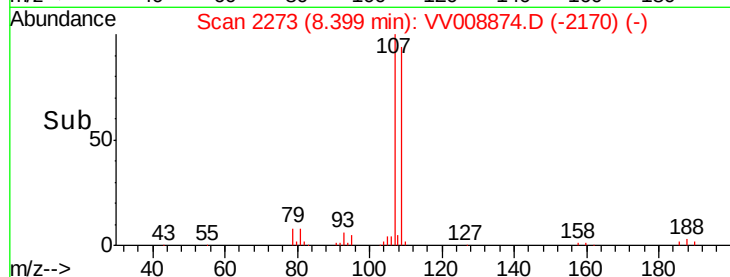
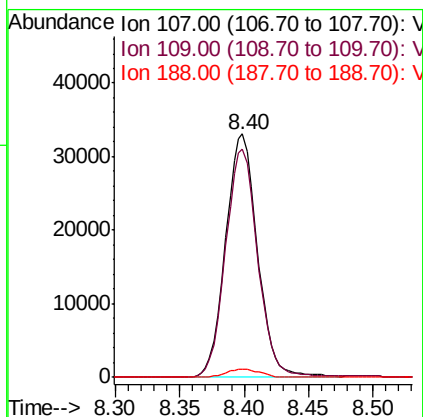
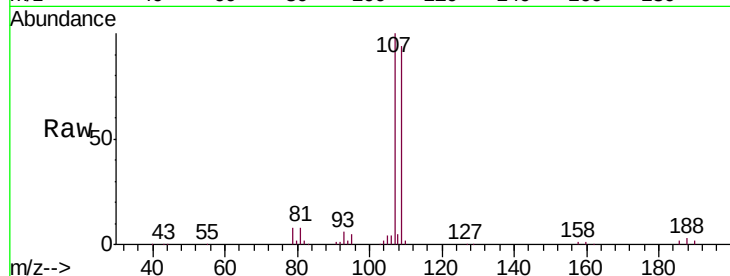




#51
 1,2-Dibromoethane
 Concen: 25.175 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

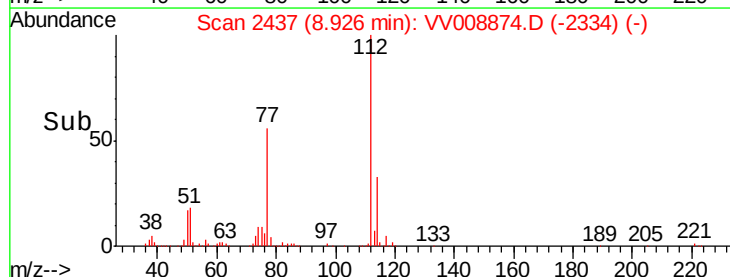
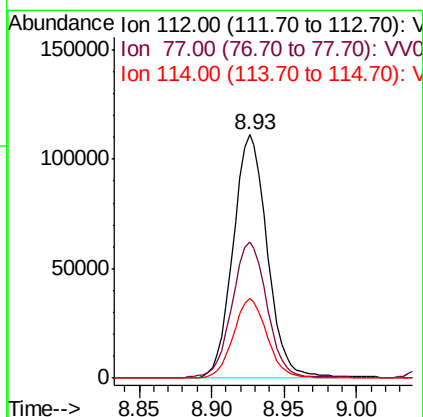
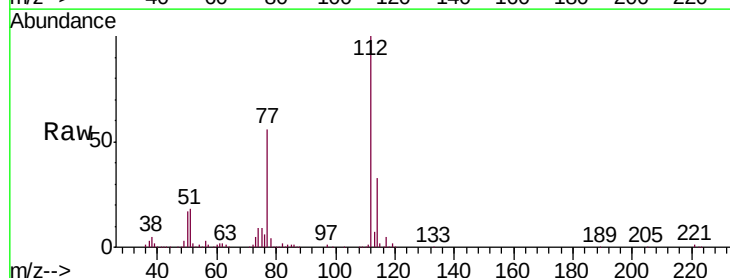
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

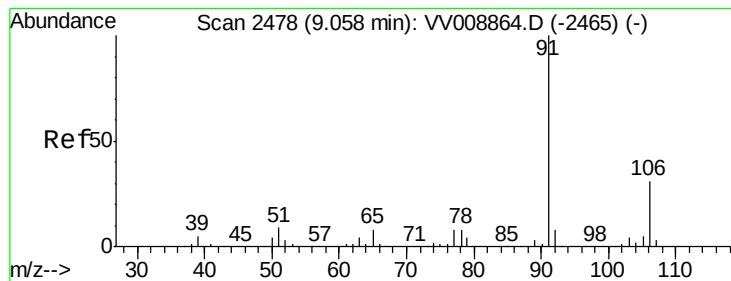
Tgt Ion:107 Resp: 56884
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.8 122.2
 188 3.4 3.0 4.6



#52
 Chlorobenzene
 Concen: 23.686 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Tgt Ion:112 Resp: 181989
 Ion Ratio Lower Upper
 112 100
 77 55.9 44.6 66.8
 114 32.6 22.6 42.0





#53

Ethylbenzene

Concen: 23.663 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

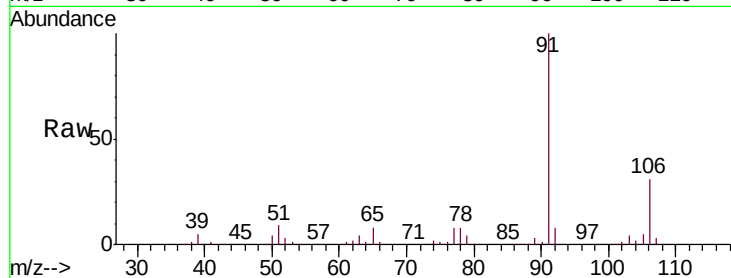
BFB56

Tgt Ion: 91 Resp: 302916

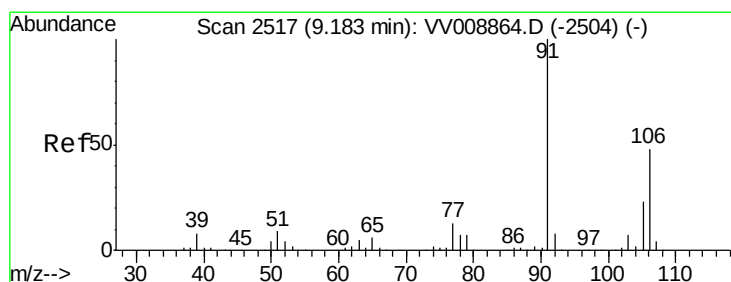
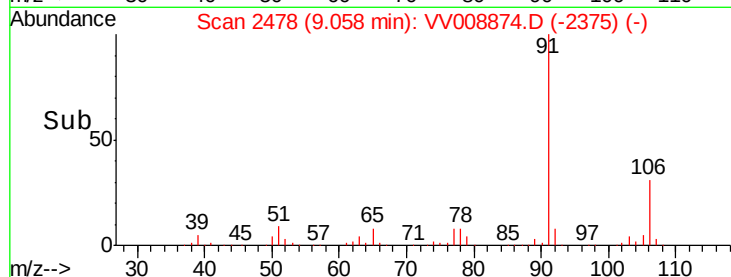
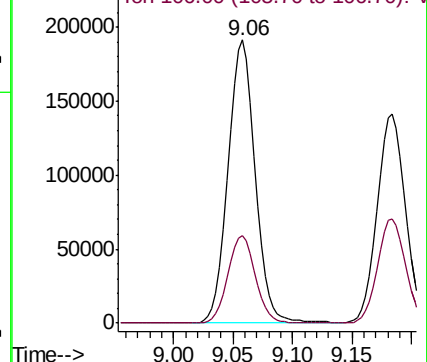
Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008874.D (-2465) (-)



#54

m,p-Xylene

Concen: 23.744 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008874.D

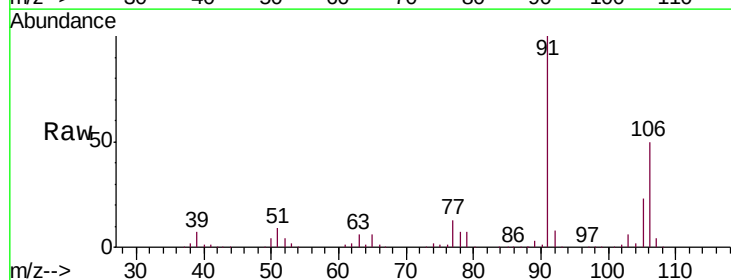
Acq: 06 Dec 2018 23:25

Tgt Ion: 106 Resp: 115088

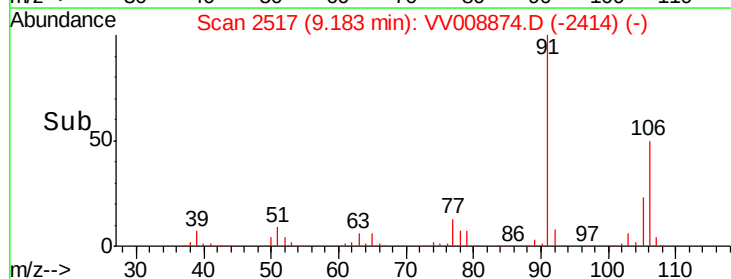
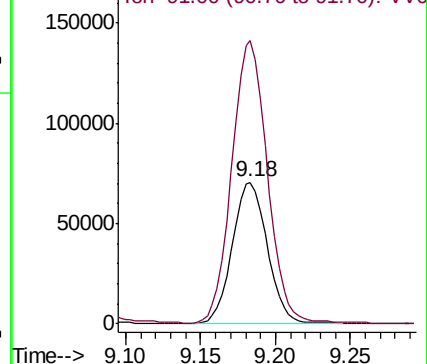
Ion Ratio Lower Upper

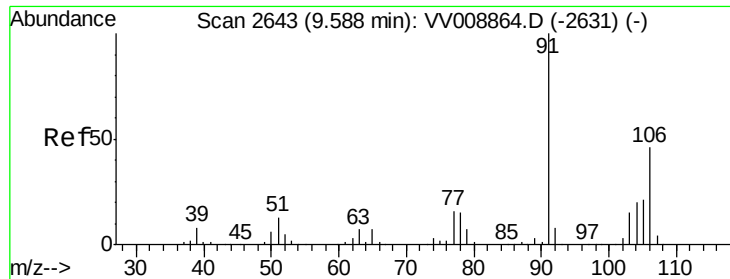
106 100

91 199.5 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008874.D (-2504) (-)

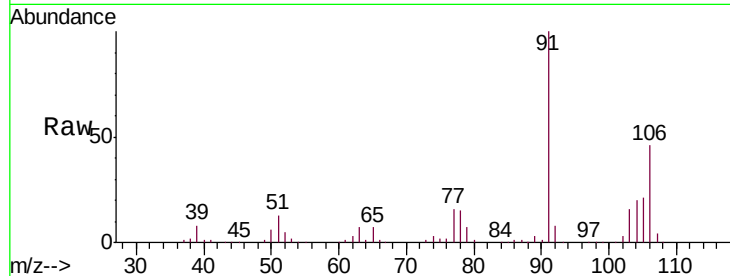




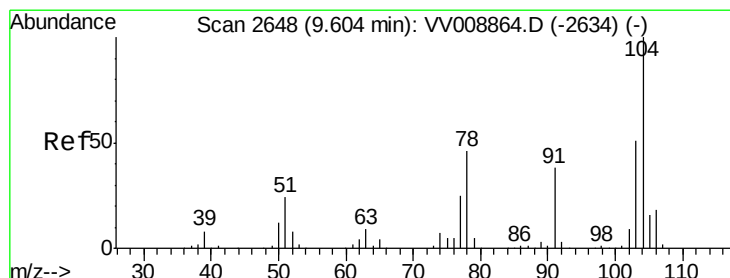
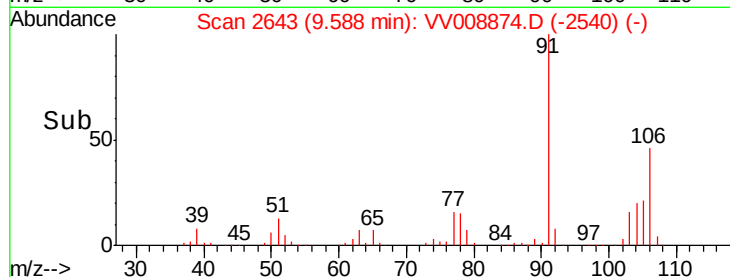
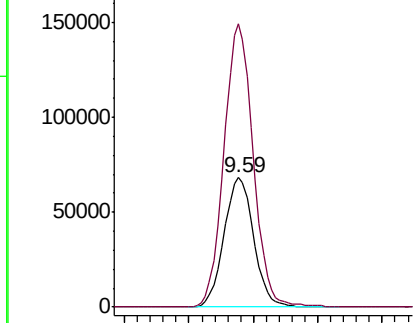
#55
o-xylene
Concen: 24.222 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

Instrument :
MSVOA_V
ClientSampleId :
BFB56

Tgt Ion:106 Resp: 109081
Ion Ratio Lower Upper
106 100
91 218.9 148.3 275.5

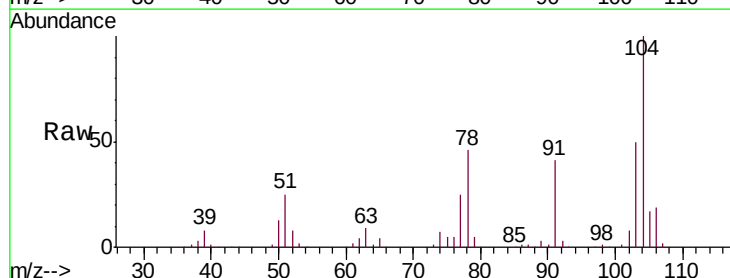


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

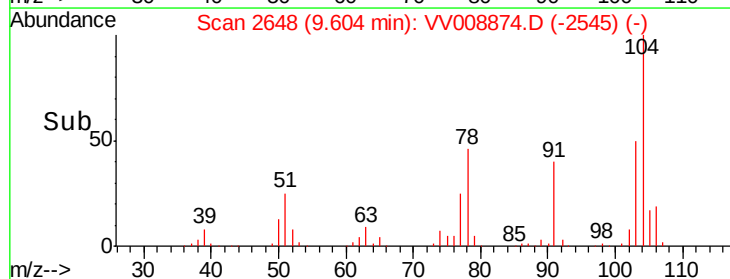
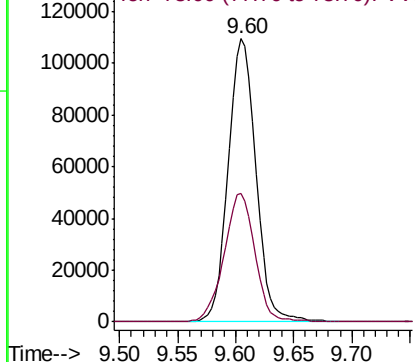


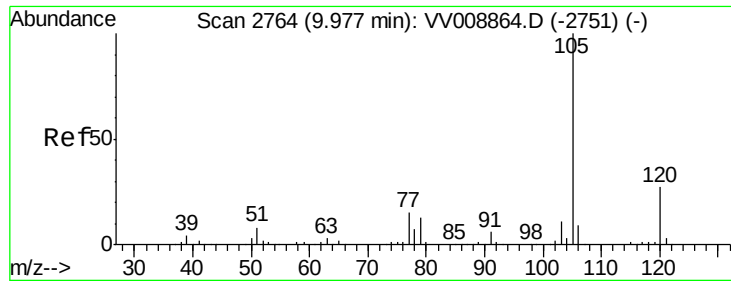
#56
Styrene
Concen: 24.839 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008874.D
Acq: 06 Dec 2018 23:25

Tgt Ion:104 Resp: 180449
Ion Ratio Lower Upper
104 100
78 45.6 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.824 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

BFB56

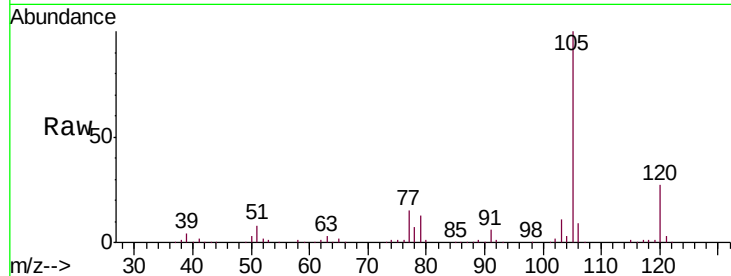
Tgt Ion: 105 Resp: 291599

Ion Ratio Lower Upper

105 100

120 26.6 21.7 32.5

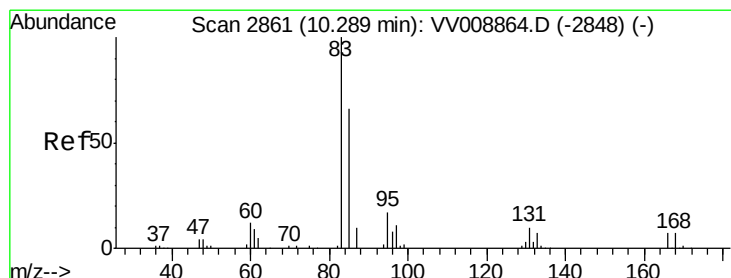
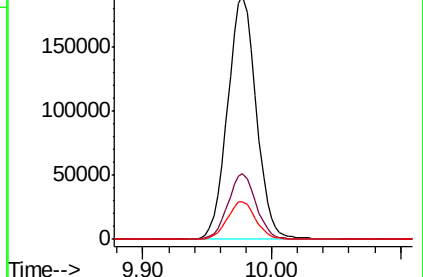
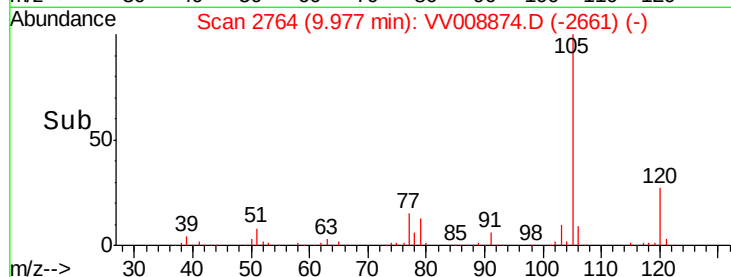
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.022 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

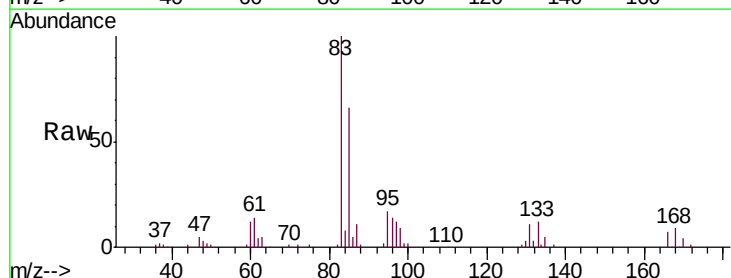
Tgt Ion: 83 Resp: 63298

Ion Ratio Lower Upper

83 100

85 66.1 44.3 82.3

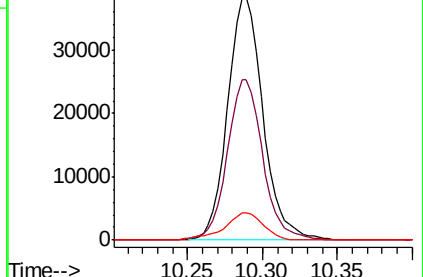
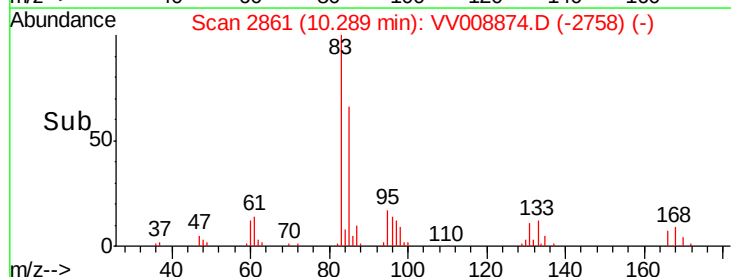
131 11.4 7.8 11.8

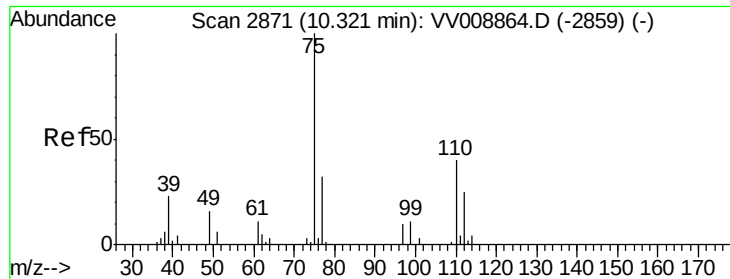


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.244 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

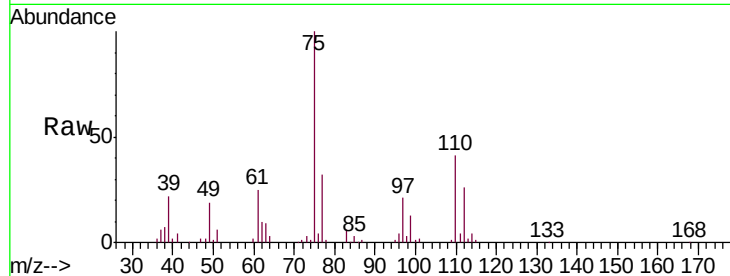
BFB56

Tgt Ion: 75 Resp: 53130

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV008864.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008864.D (-2859) (-)

10.32

30000

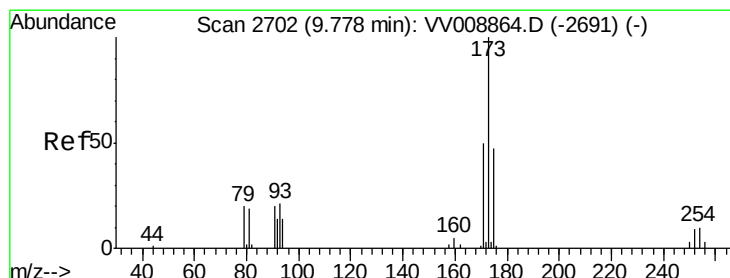
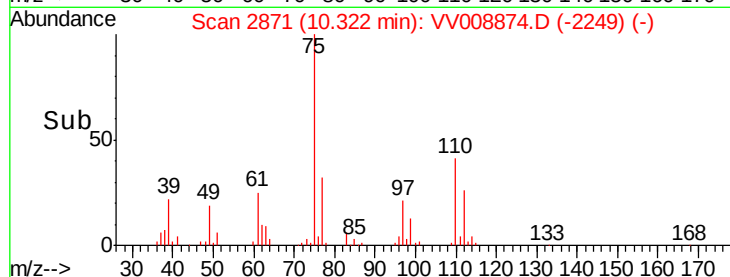
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#62

Bromoform

Concen: 24.092 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

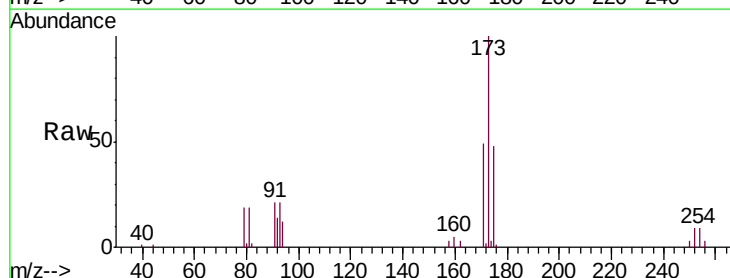
Tgt Ion: 173 Resp: 38946

Ion Ratio Lower Upper

173 100

175 47.8 37.7 56.5

254 9.2 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): VV008864.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008864.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008864.D (-2691) (-)

9.78

30000

25000

20000

15000

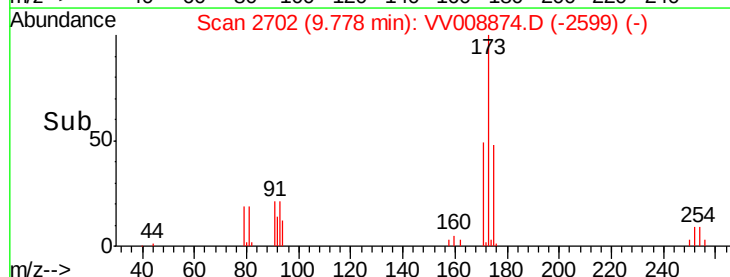
10000

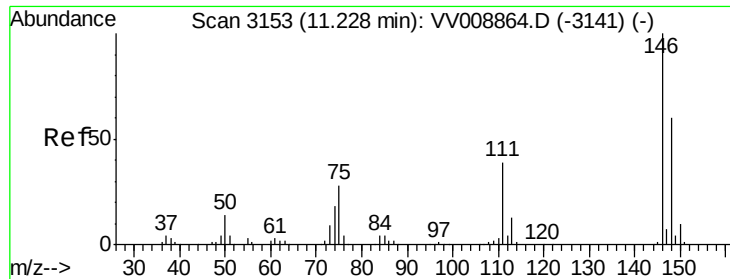
5000

0

Time-->

9.70 9.75 9.80 9.85





#63

1,3-Dichlorobenzene

Concen: 23.219 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

BFB56

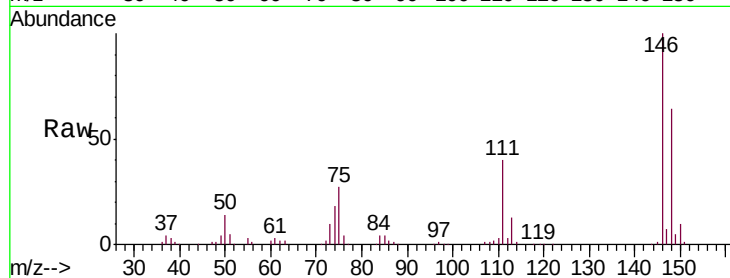
Tgt Ion:146 Resp: 133960

Ion Ratio Lower Upper

146 100

111 40.3 27.5 51.1

148 64.0 44.0 81.8

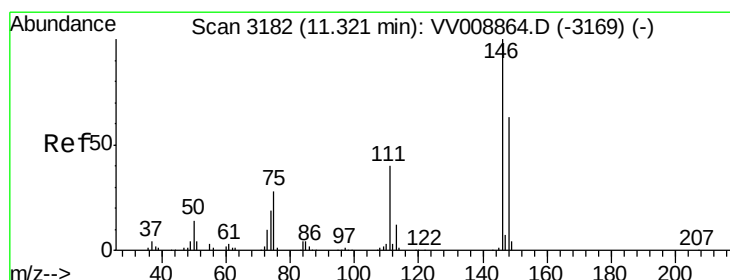
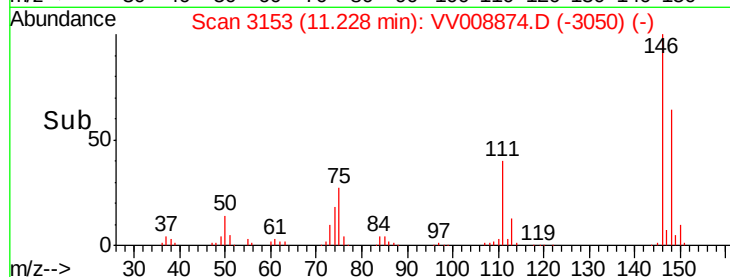
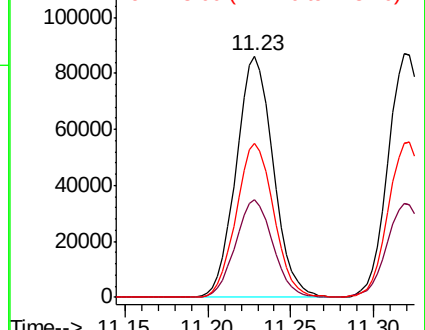


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.058 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

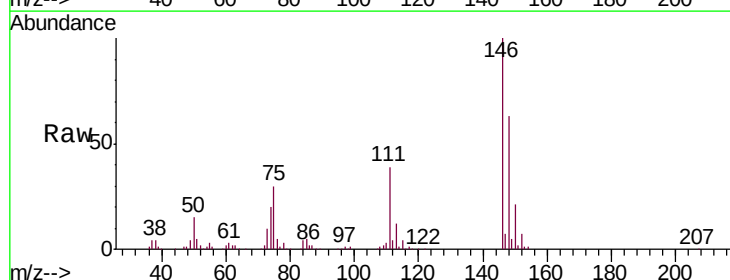
Tgt Ion:146 Resp: 136895

Ion Ratio Lower Upper

146 100

111 38.6 26.8 49.8

148 63.3 45.8 85.0

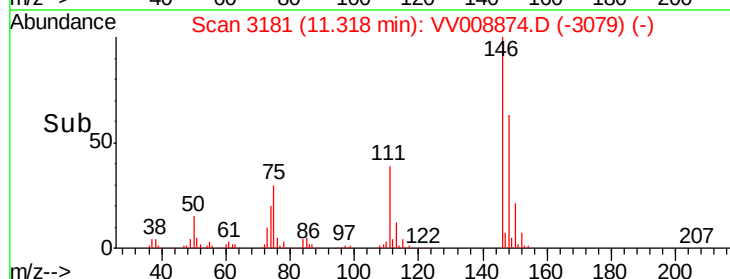
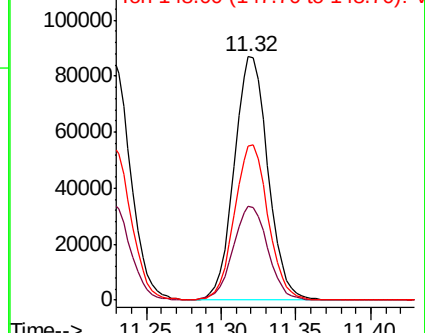


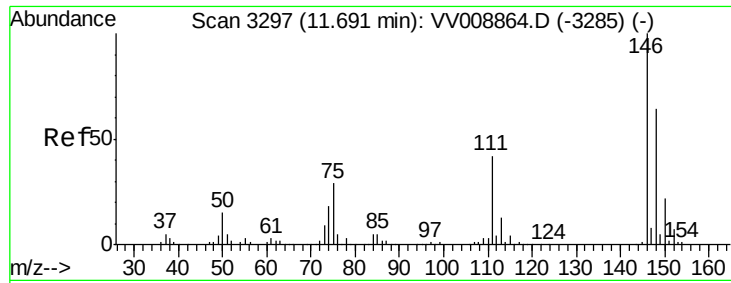
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.758 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

BFB56

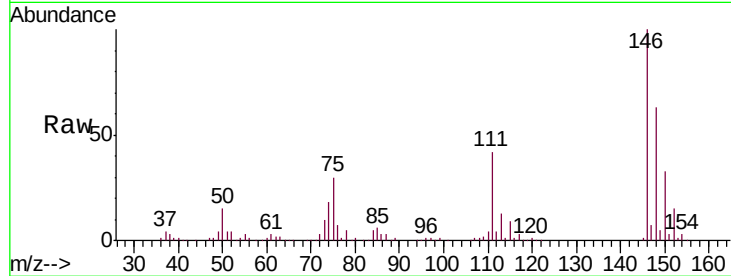
Tgt Ion: 146 Resp: 126360

Ion Ratio Lower Upper

146 100

111 42.1 34.2 51.4

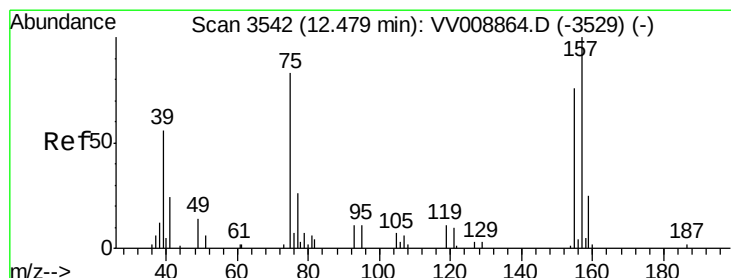
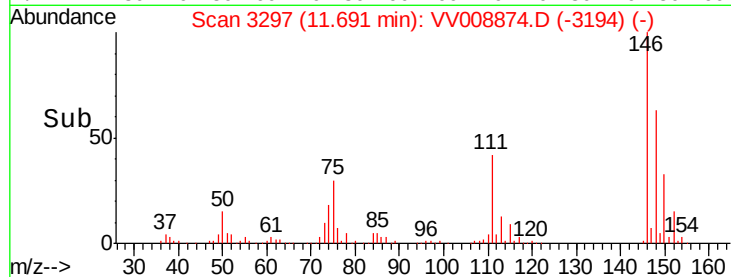
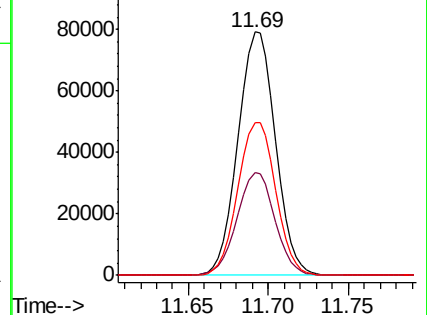
148 62.8 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 25.044 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

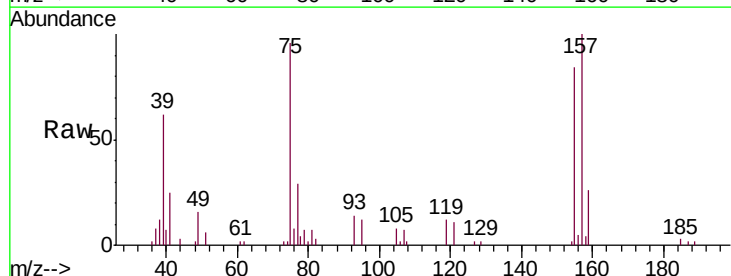
Tgt Ion: 75 Resp: 10913

Ion Ratio Lower Upper

75 100

157 103.8 95.8 143.6

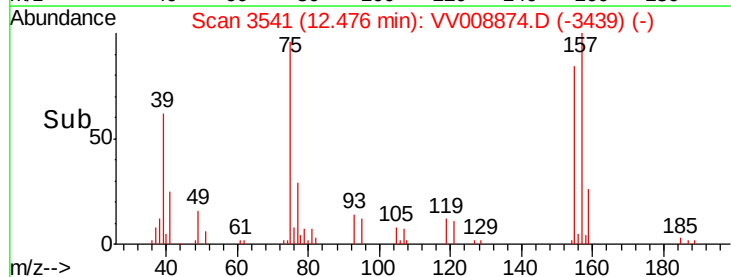
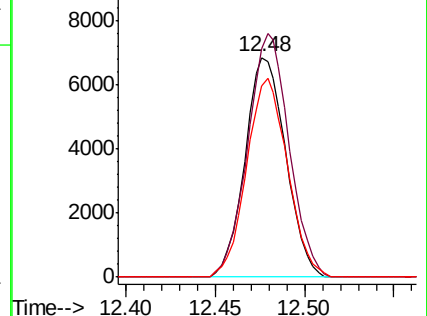
155 86.9 71.4 107.2

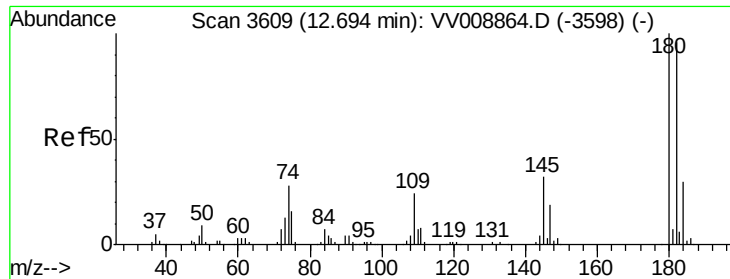


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

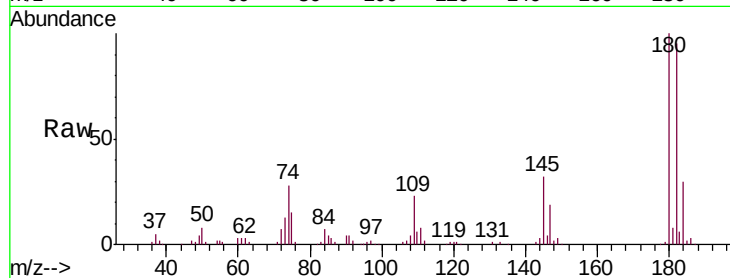




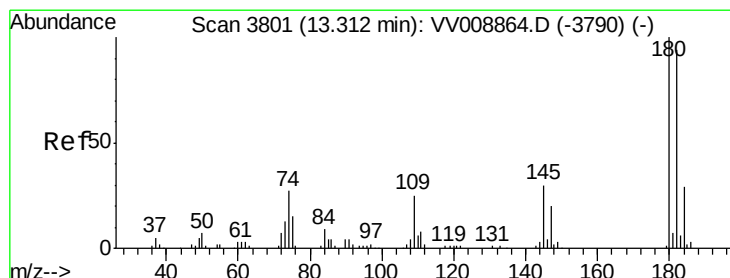
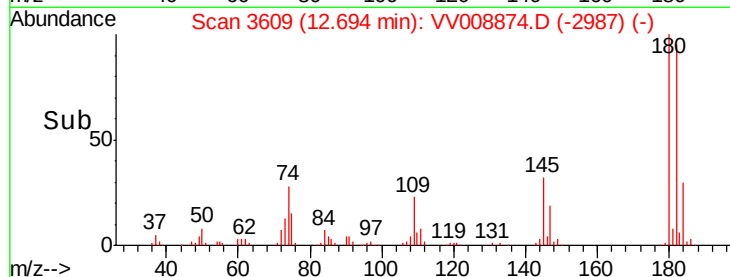
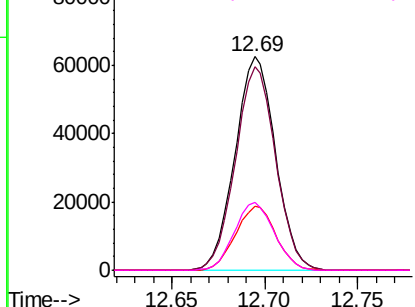
#67
 1,3,5-Trichlorobenzene
 Concen: 22.664 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Instrument :
 MSVOA_V
 ClientSampleID :
 BFB56

Tgt Ion:180 Resp: 94446
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.9 113.9
 184 29.9 23.8 35.6
 145 31.5 24.2 36.4

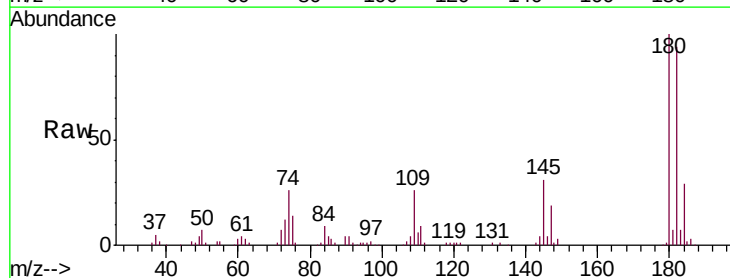


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

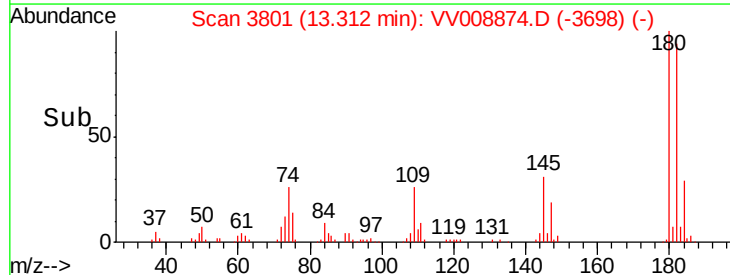
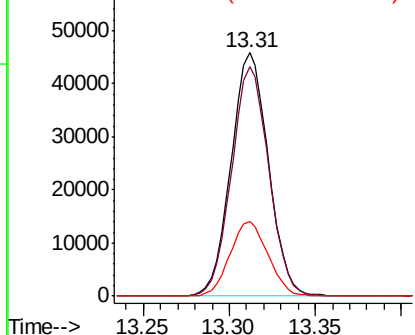


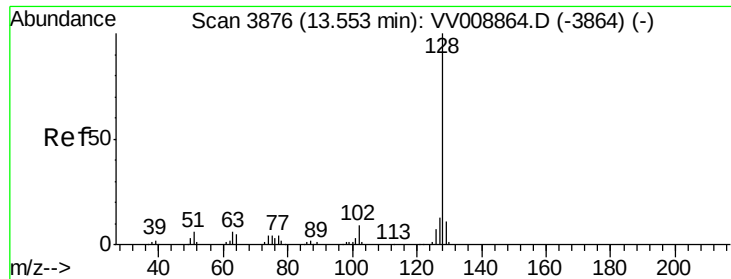
#68
 1,2,4-trichlorobenzene
 Concen: 23.676 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008874.D
 Acq: 06 Dec 2018 23:25

Tgt Ion:180 Resp: 69131
 Ion Ratio Lower Upper
 180 100
 182 93.9 77.4 116.0
 145 31.3 25.6 38.4



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





#69

Naphthalene

Concen: 23.526 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

Instrument :

MSVOA_V

ClientSampleId :

BFB56

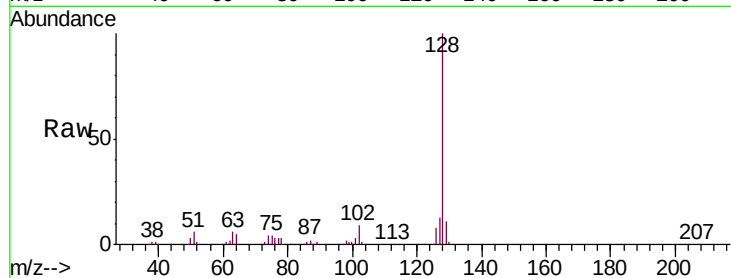
Tgt Ion:128 Resp: 118317

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

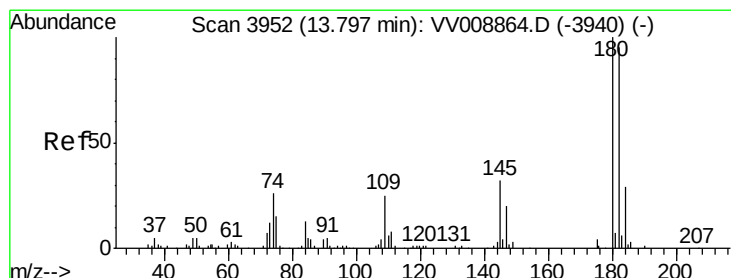
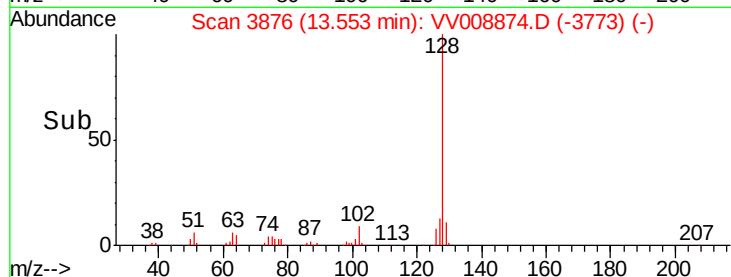
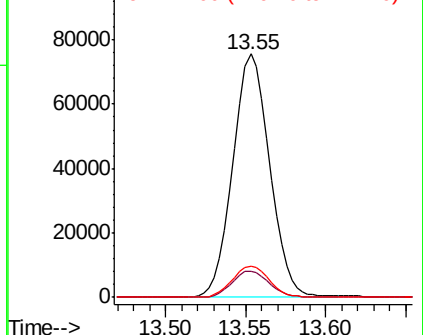
127 12.9 10.0 15.0



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: 24.072 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008874.D

Acq: 06 Dec 2018 23:25

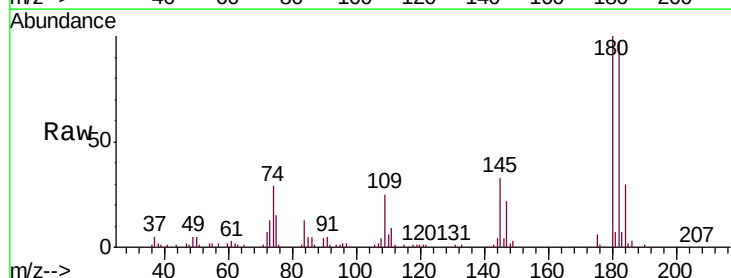
Tgt Ion:180 Resp: 64931

Ion Ratio Lower Upper

180 100

182 94.3 76.1 114.1

145 33.2 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

