

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120718\
 Data File : VV008875.D
 Acq On : 07 Dec 2018 14:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

Quant Time: Dec 07 22:20:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 06 04:51:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	125188	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57590	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24803	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.59	69	20018	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.14	63	63295	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	3.97	46	73082	44.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.64%
24) Chloroform-d	4.40	84	65305	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.08	65	32244	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.10	84	125765	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.12	67	37286	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.36	98	119610	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.67	79	14738	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.14	63	60427	47.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26181	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	45101	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	54939	4.619	ug/L 99
3) Chloromethane	1.25	50	35129	4.458	ug/L 100
5) Vinyl chloride	1.32	62	36646	4.564	ug/L 97
6) Bromomethane	1.54	94	22803	4.845	ug/L 97
8) Chloroethane	1.60	64	20457	4.536	ug/L 98
9) Trichlorofluoromethane	1.77	101	62468	4.828	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	40348	5.731	ug/L 100
12) 1,1-Dichloroethene	2.14	96	35117	5.725	ug/L 97
13) Acetone	2.23	43	49913	54.382	ug/L 71
14) Carbon disulfide	2.32	76	109007	5.906	ug/L 98
15) Methyl Acetate	2.48	43	13346	6.583	ug/L 95
16) Methylene chloride	2.54	84	37296	5.630	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	85333	5.666	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	39142	5.838	ug/L 92
19) 1,1-Dichloroethane	3.23	63	69287	4.729	ug/L 97
21) 2-Butanone	4.06	43	80828	46.893	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	43657	4.757	ug/L 97

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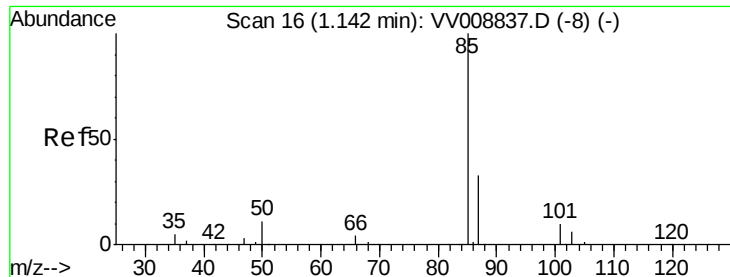
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	18534	4.774	ug/L	96
25) Chloroform	4.43	83	71809	4.521	ug/L	98
27) 1,2-Dichloroethane	5.18	62	43565	4.806	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	64920	4.771	ug/L	97
30) Cyclohexane	4.72	56	62194	4.755	ug/L	96
31) Carbon tetrachloride	4.87	117	59577	4.864	ug/L	99
33) Benzene	5.14	78	156546	4.791	ug/L	100
34) Trichloroethene	5.96	95	44789	4.714	ug/L	99
35) Methylcyclohexane	6.17	83	71751	4.773	ug/L	97
37) 1,2-Dichloropropane	6.22	63	38088	4.757	ug/L	99
38) Bromodichloromethane	6.56	83	46971	4.767	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	53403	4.759	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	193404	47.618	ug/L	99
42) Toluene	7.43	91	168750	4.785	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	42931	4.933	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	26361	4.689	ug/L	97
47) Tetrachloroethene	8.02	164	37531	4.923	ug/L	97
48) 2-Hexanone	8.19	43	137607	48.061	ug/L	99
49) Dibromochloromethane	8.29	129	32311	4.914	ug/L	99
50) 1,2-Dibromoethane	8.40	107	25408	4.824	ug/L #	99
51) Chlorobenzene	8.93	112	111477	4.804	ug/L	99
52) Ethylbenzene	9.05	91	184441	4.790	ug/L	100
53) m,p-xylene	9.18	106	72268	4.913	ug/L	97
54) o-xylene	9.59	106	67978	4.846	ug/L	96
55) Styrene	9.60	104	112484	4.847	ug/L	97
56) Isopropylbenzene	9.97	105	186905	4.925	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	28205	4.972	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	22747	4.760	ug/L	99
61) Bromoform	9.78	173	16769	4.894	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	85862	4.611	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	86423	4.540	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	81219	4.722	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4519	5.234	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	65284	4.710	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	49956	4.851	ug/L	98
69) Naphthalene	13.56	128	71281	4.768	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	46846	4.860	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.619 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

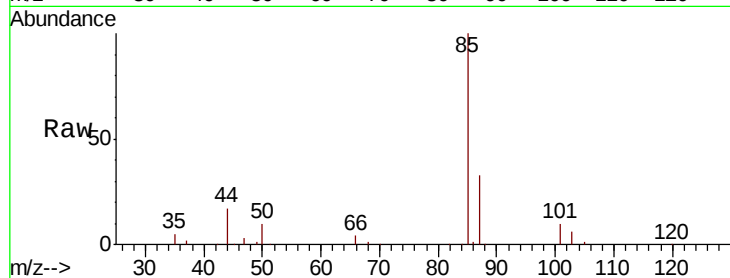
BFB56

Tgt Ion: 85 Resp: 54939

Ion Ratio Lower Upper

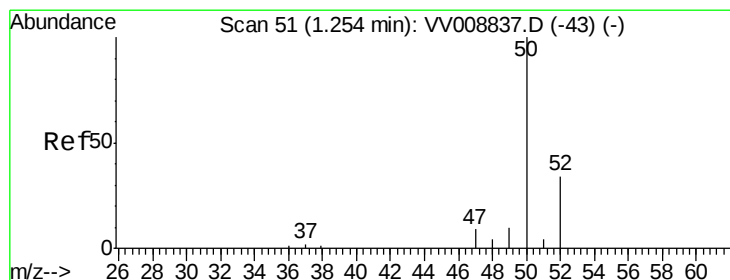
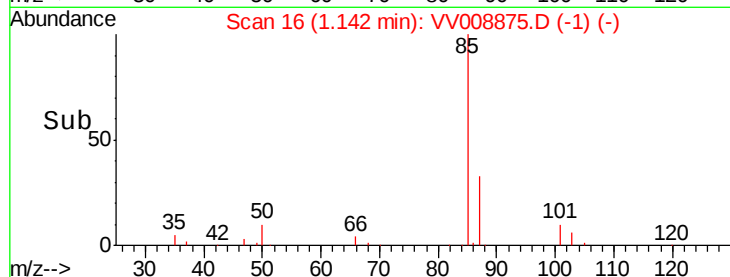
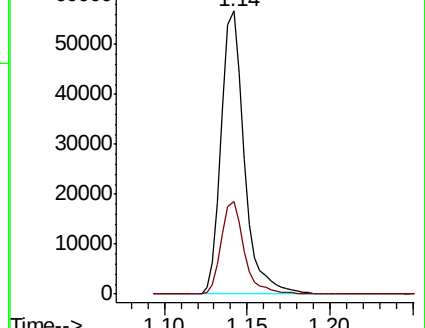
85 100

87 32.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV008837.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008837.D (-8) (-)



#3

Chloromethane

Concen: 4.458 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008875.D

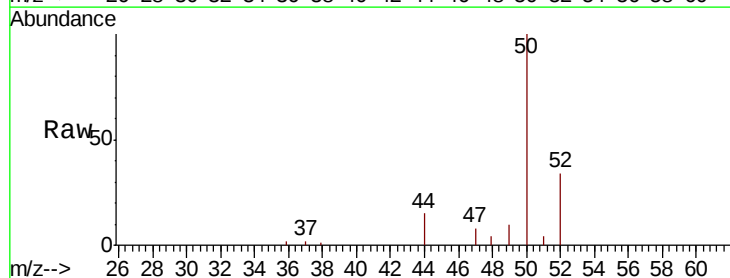
Acq: 07 Dec 2018 14:23

Tgt Ion: 50 Resp: 35129

Ion Ratio Lower Upper

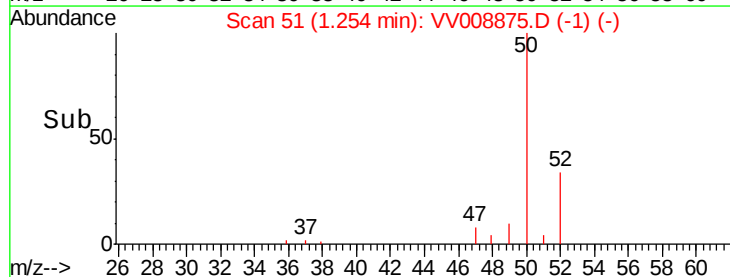
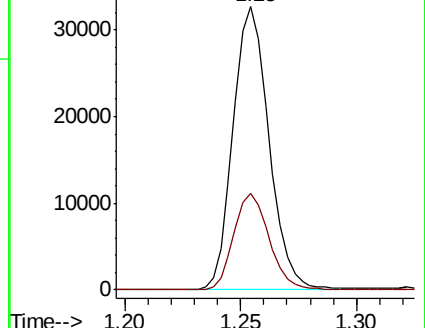
50 100

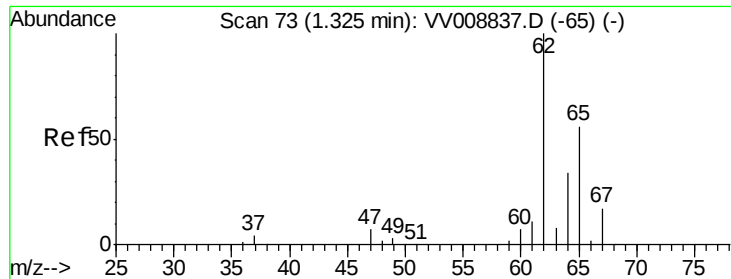
52 34.2 23.9 44.5



Abundance Ion 50.05 (49.75 to 50.75): VV008837.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008837.D (-43) (-)





#5

Vinyl chloride

Concen: 4.564 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampled :

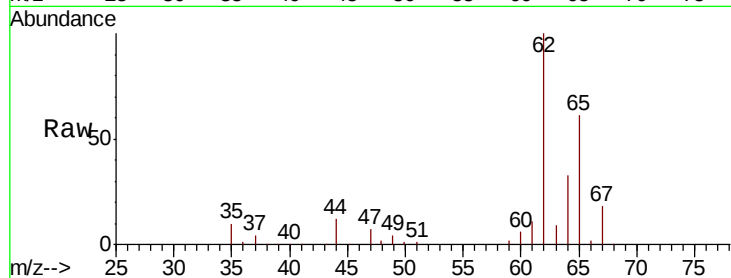
BFB56

Tgt Ion: 62 Resp: 36646

Ion Ratio Lower Upper

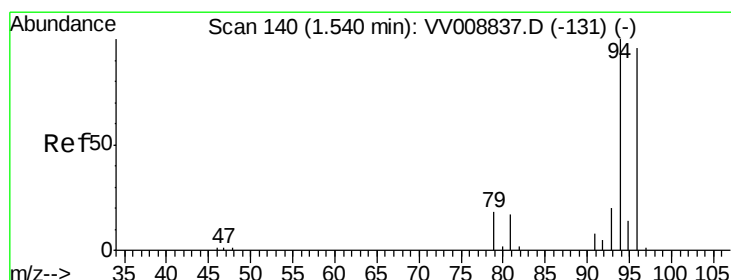
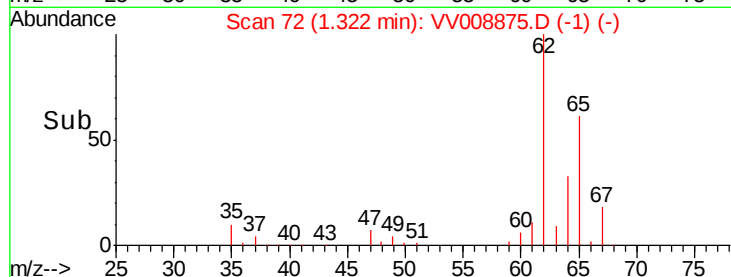
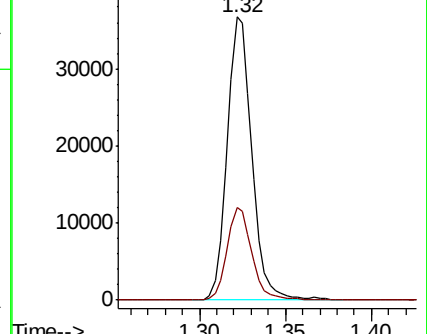
62 100

64 32.6 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.845 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008875.D

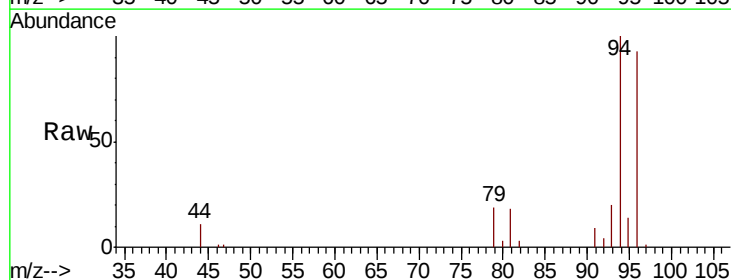
Acq: 07 Dec 2018 14:23

Tgt Ion: 94 Resp: 22803

Ion Ratio Lower Upper

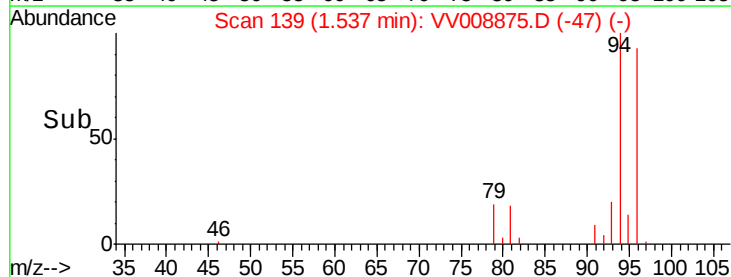
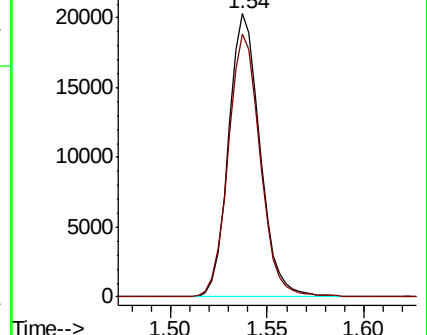
94 100

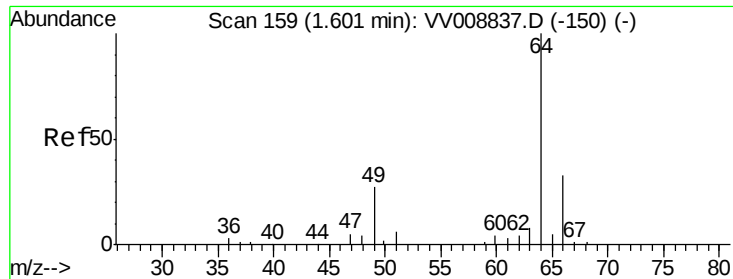
96 92.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.536 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

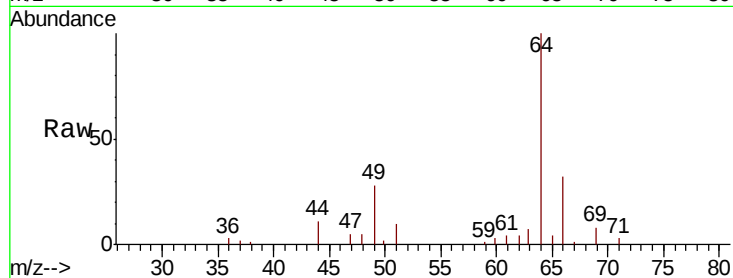
BFB56

Tgt Ion: 64 Resp: 20457

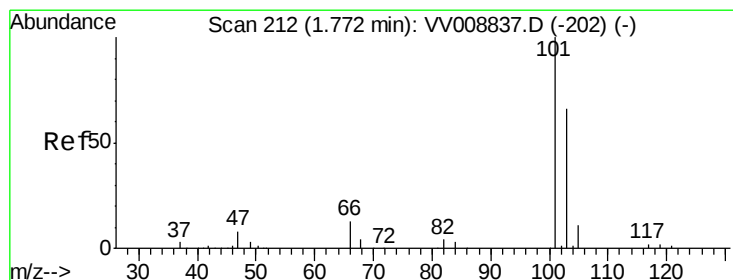
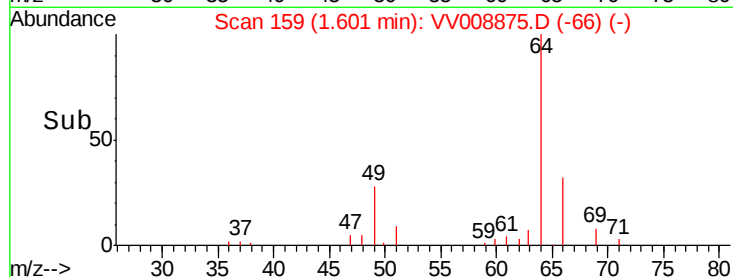
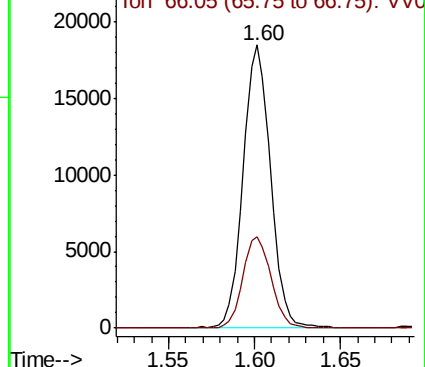
Ion Ratio Lower Upper

64 100

66 32.5 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV008837.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 4.828 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008875.D

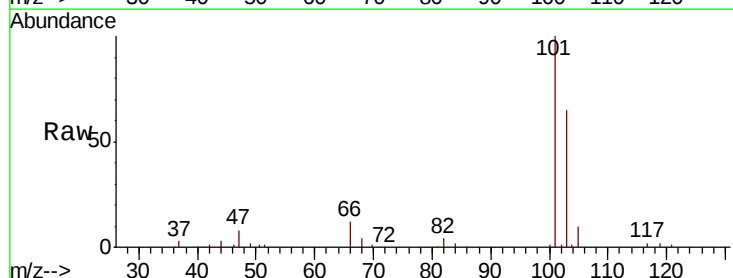
Acq: 07 Dec 2018 14:23

Tgt Ion: 101 Resp: 62468

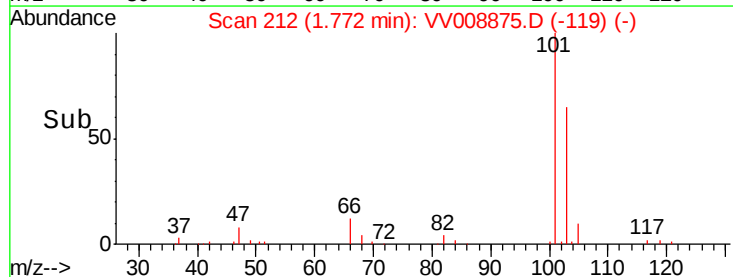
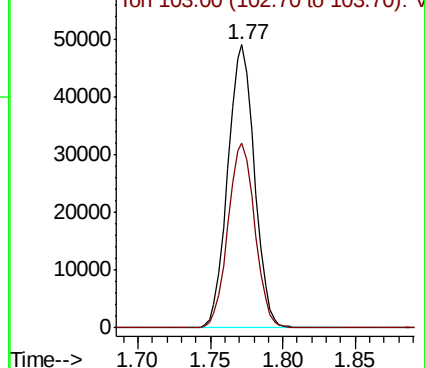
Ion Ratio Lower Upper

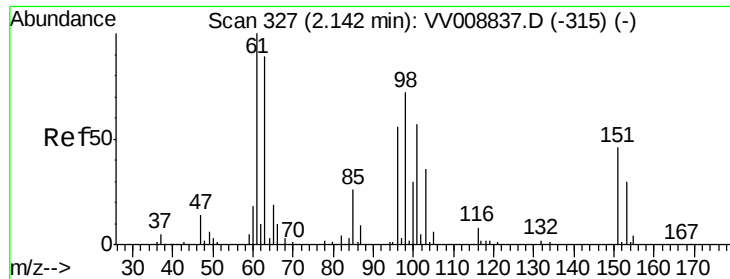
101 100

103 65.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV008837.D (-202) (-)





#10

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

Concen: 5.731 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

BFB56

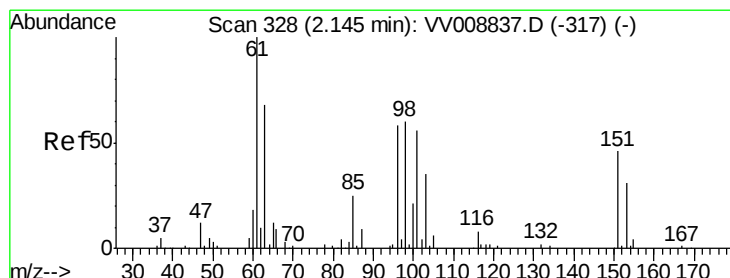
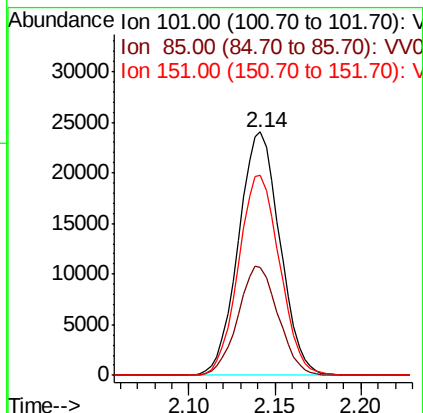
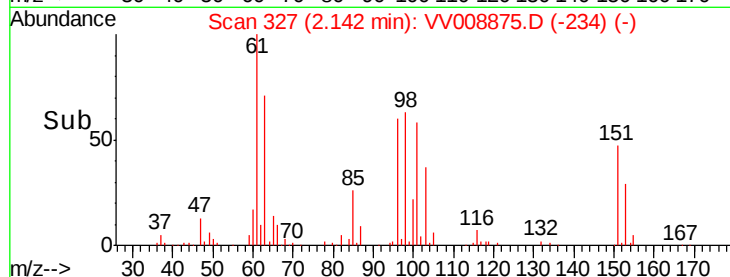
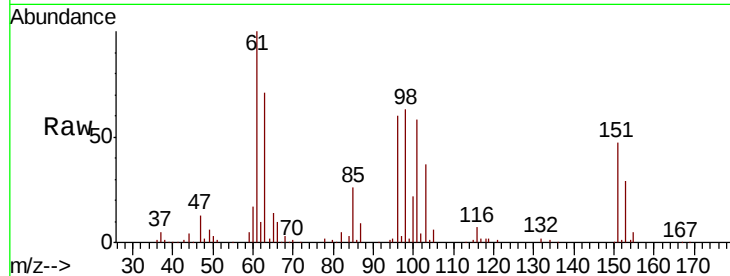
Tgt Ion: 101 Resp: 40348

Ion Ratio Lower Upper

101 100

85 43.4 35.0 52.6

151 81.7 65.1 97.7



#12

1,1-Dichloroethene

Concen: 5.725 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

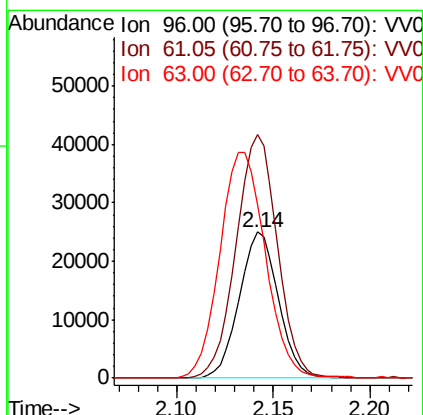
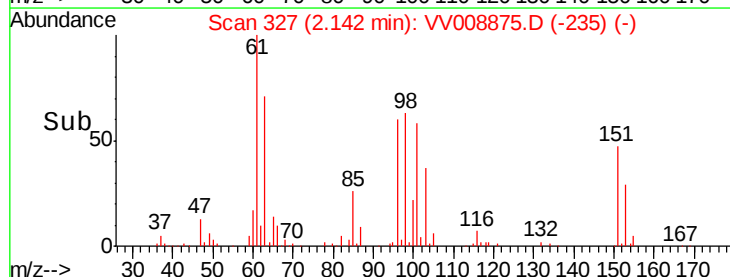
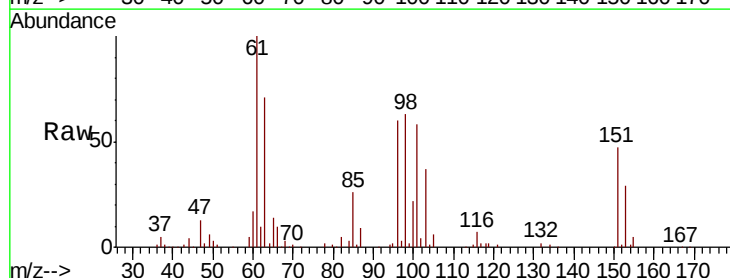
Tgt Ion: 96 Resp: 35117

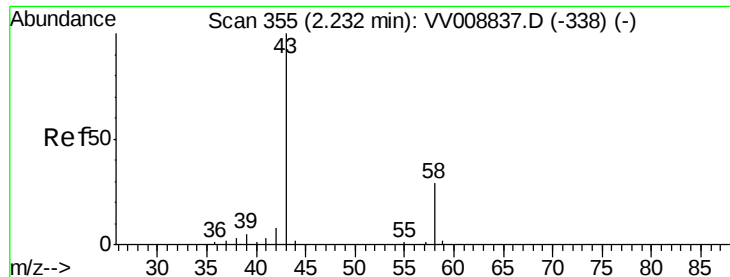
Ion Ratio Lower Upper

96 100

61 167.1 120.8 224.4

63 119.2 85.0 158.0





#13

Acetone

Concen: 54.382 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

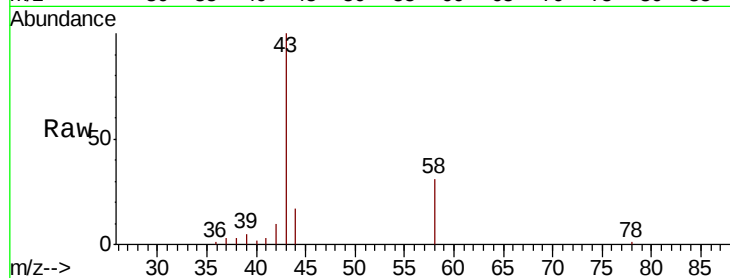
BFB56

Tgt Ion: 43 Resp: 49913

Ion Ratio Lower Upper

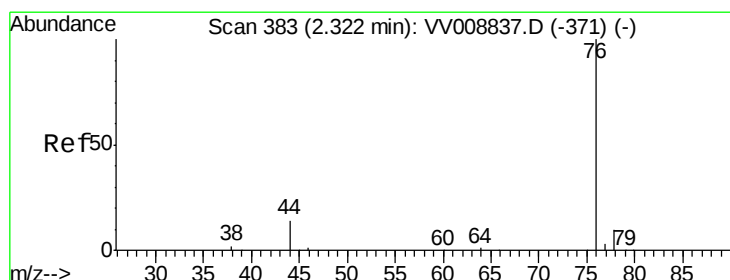
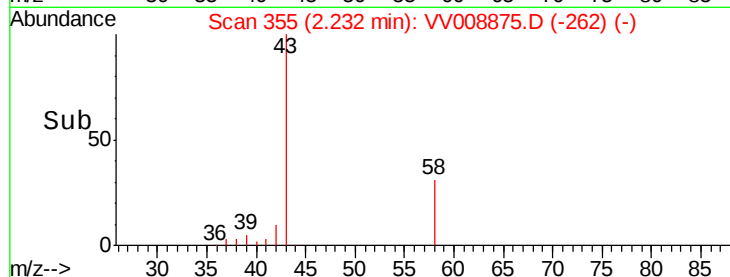
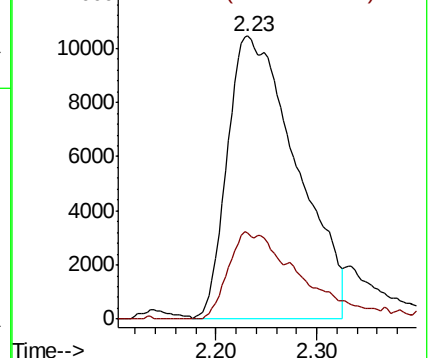
43 100

58 11.6 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV008875.D (-262) (-)

Ion 58.05 (57.75 to 58.75): VV008875.D (-262) (-)



#14

Carbon disulfide

Concen: 5.906 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008875.D

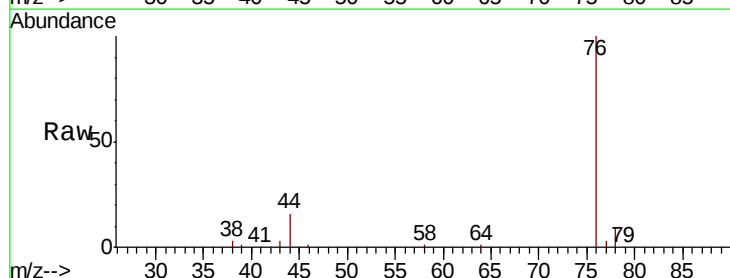
Acq: 07 Dec 2018 14:23

Tgt Ion: 76 Resp: 109007

Ion Ratio Lower Upper

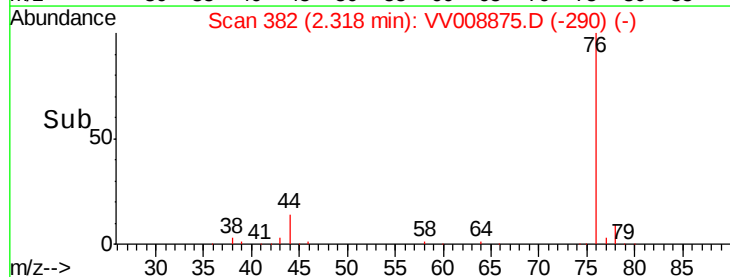
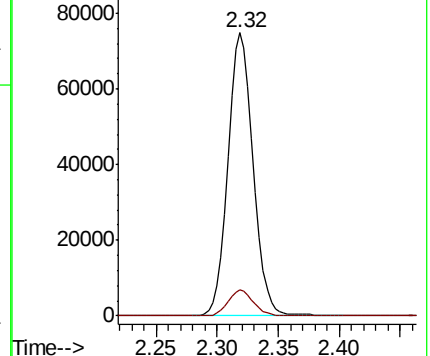
76 100

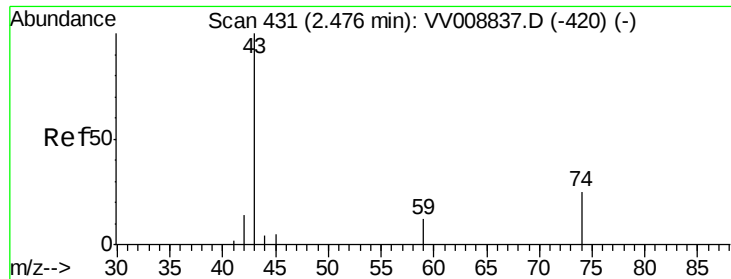
78 9.2 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008875.D (-290) (-)

Ion 78.00 (77.70 to 78.70): VV008875.D (-290) (-)

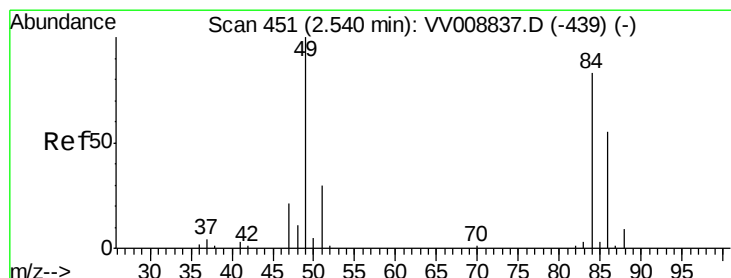
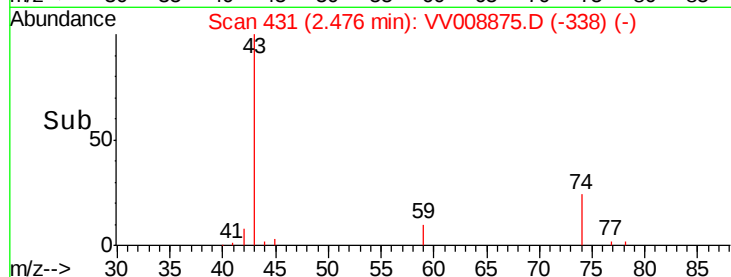
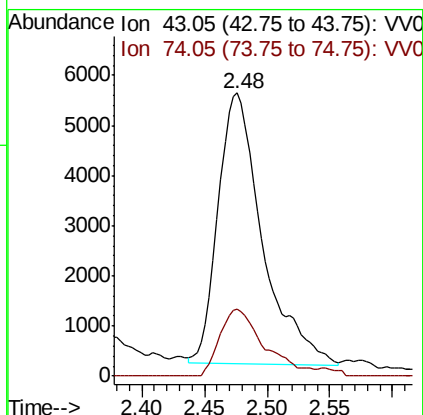
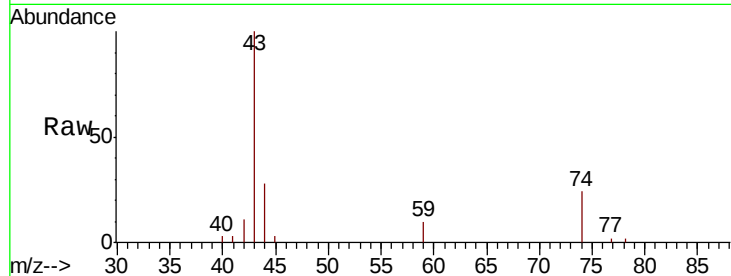




#15
Methyl Acetate
Concen: 6.583 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

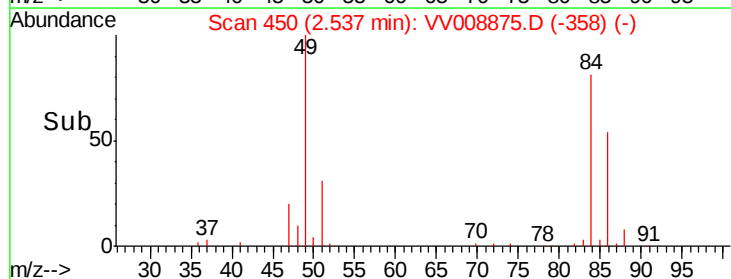
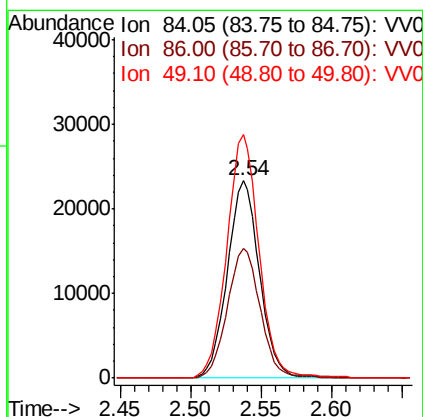
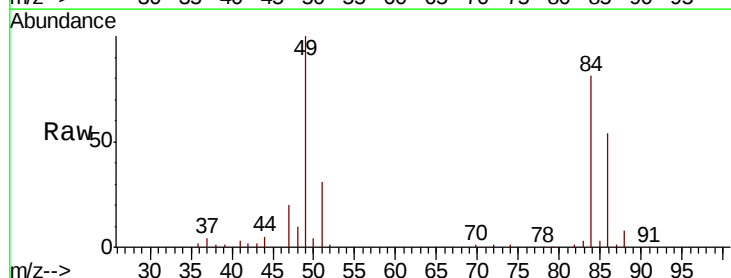
Instrument :
MSVOA_V
ClientSampleId :
BFB56

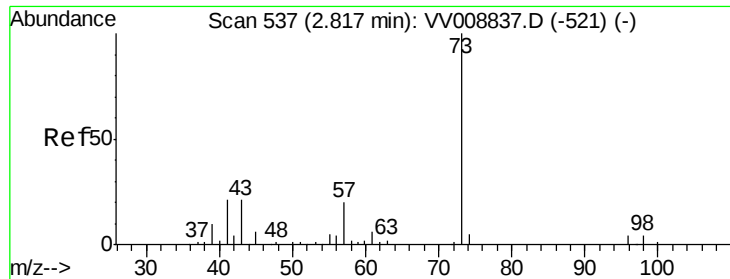
Tgt Ion: 43 Resp: 13346
Ion Ratio Lower Upper
43 100
74 24.8 21.8 32.6



#16
Methylene chloride
Concen: 5.630 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Tgt Ion: 84 Resp: 37296
Ion Ratio Lower Upper
84 100
86 66.1 46.7 86.7
49 123.5 84.8 157.4

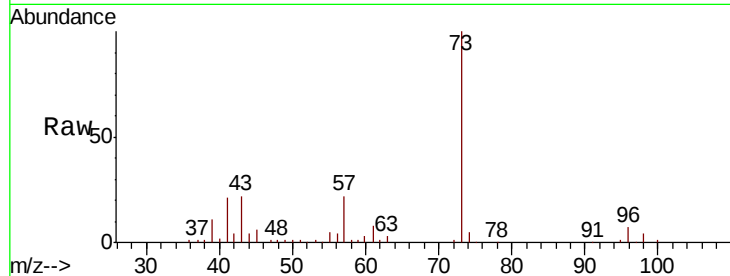




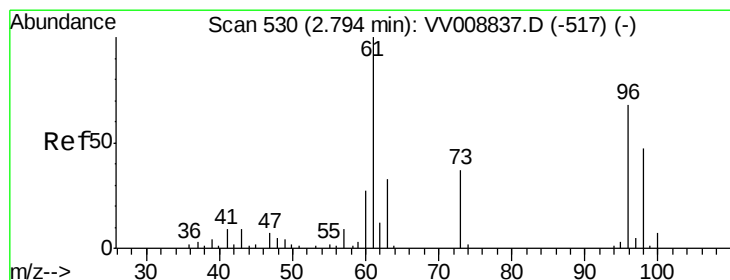
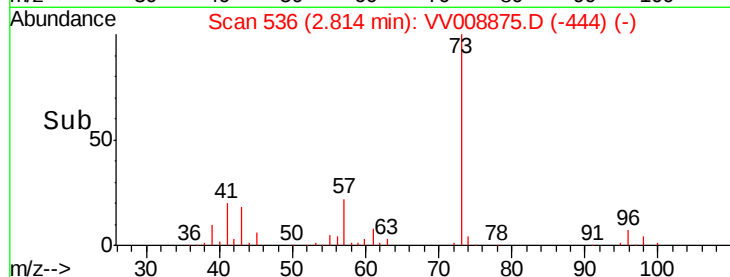
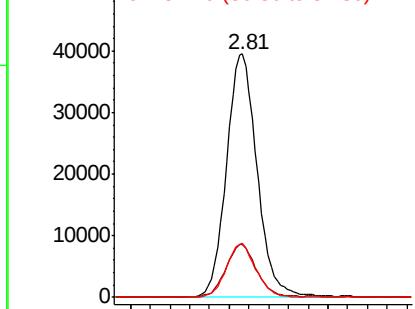
#17
Methyl tert-butyl Ether
Concen: 5.666 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Instrument :
MSVOA_V
ClientSampled :
BFB56

Tgt Ion: 73 Resp: 85333
Ion Ratio Lower Upper
73 100
43 20.8 17.3 25.9
57 21.3 16.8 25.2

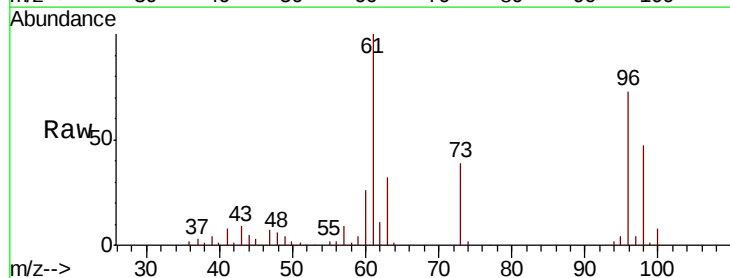


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

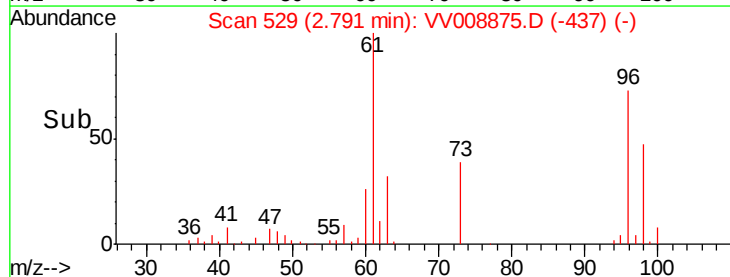
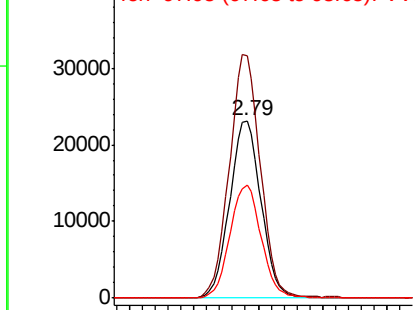


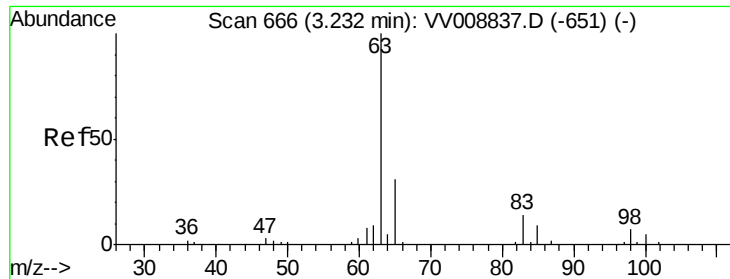
#18
trans-1,2-Dichloroethene
Concen: 5.838 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Tgt Ion: 96 Resp: 39142
Ion Ratio Lower Upper
96 100
61 136.5 103.0 191.4
98 63.9 48.9 90.9



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

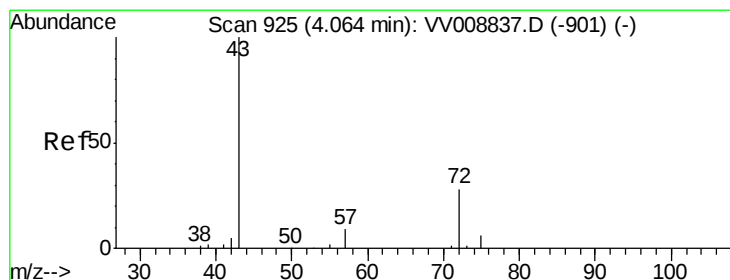
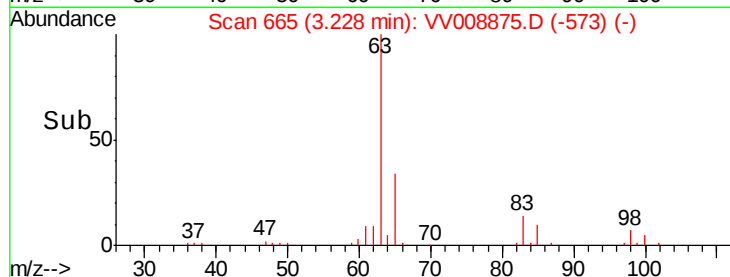
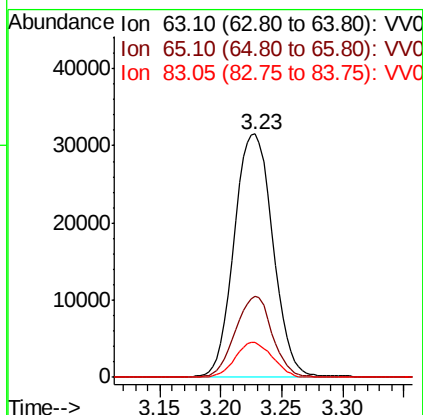
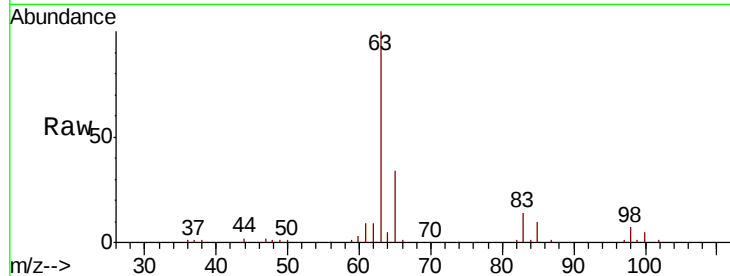




#19
 1,1-Dichloroethane
 Concen: 4.729 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

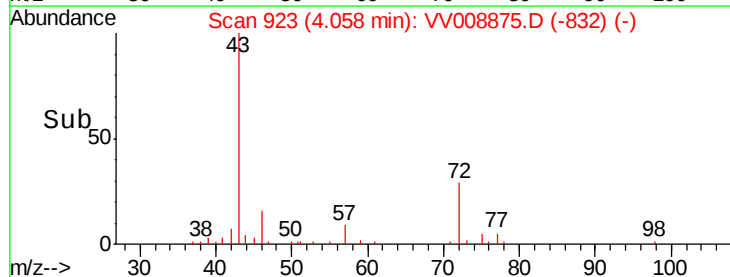
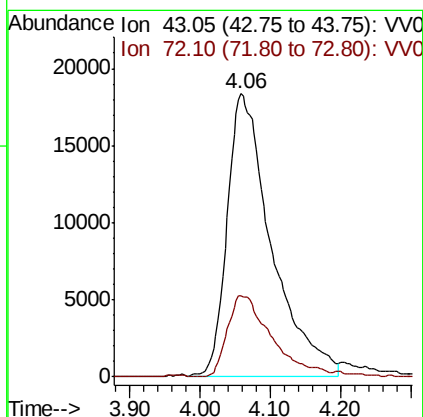
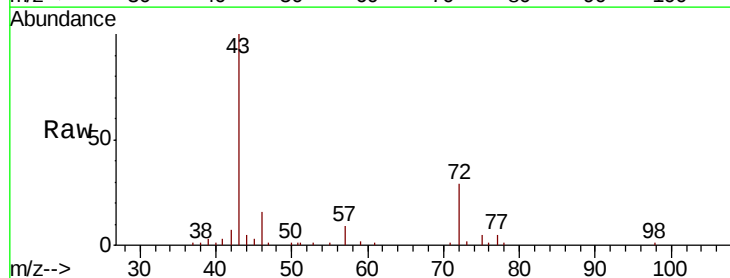
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

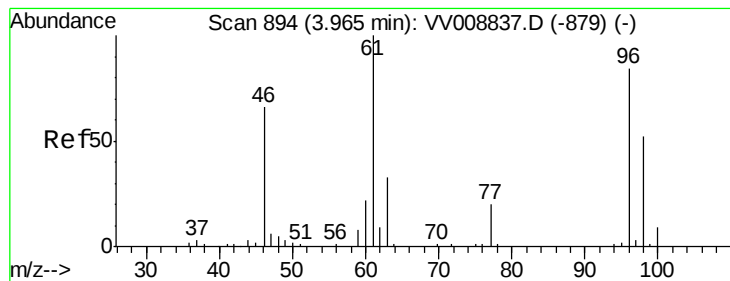
Tgt Ion: 63 Resp: 69287
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.0 40.8
 83 14.3 10.1 18.7



#21
 2-Butanone
 Concen: 46.893 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion: 43 Resp: 80828
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.7 41.1



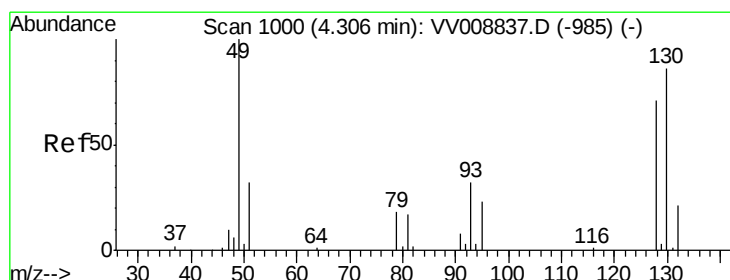
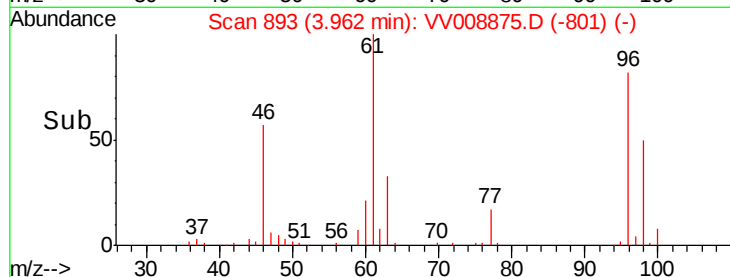
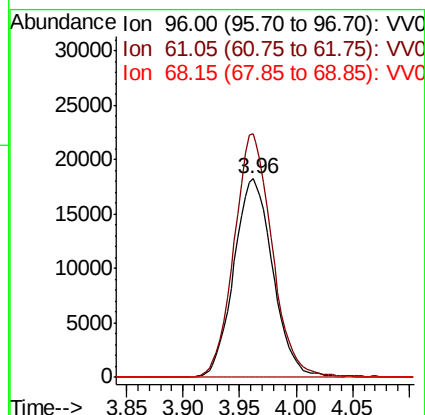
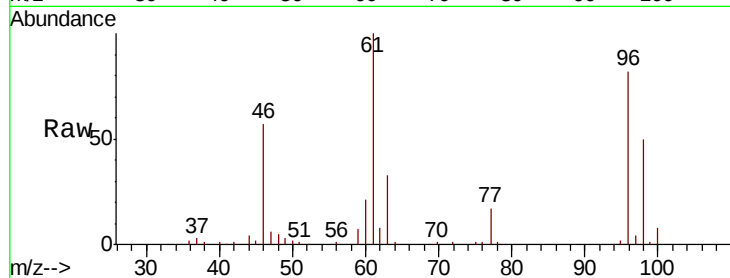


#22

cis-1,2-Dichloroethene
Concen: 4.757 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Instrument :
MSVOA_V
ClientSampleId :
BFB56

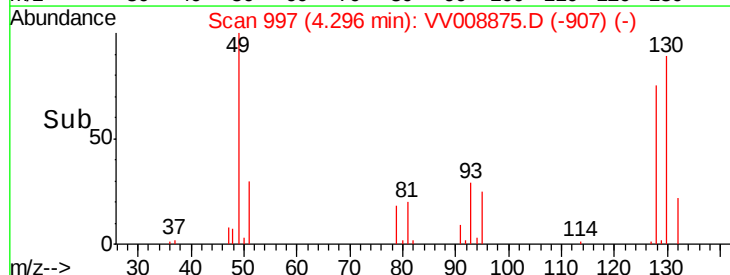
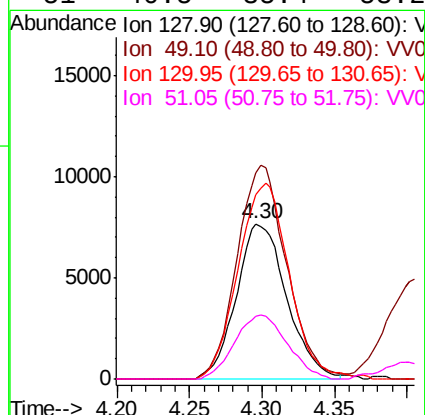
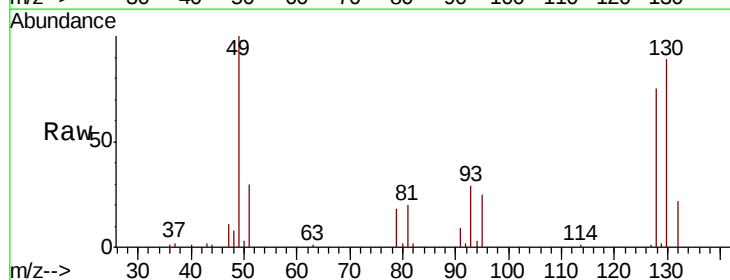
Tgt Ion: 96 Resp: 43657
Ion Ratio Lower Upper
96 100
61 122.7 83.2 154.6
68 0.0 0.0 0.0

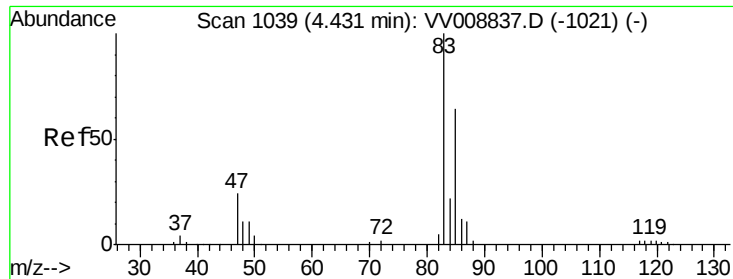


#23

Bromochloromethane
Concen: 4.774 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.01 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Tgt Ion: 128 Resp: 18534
Ion Ratio Lower Upper
128 100
49 133.3 98.1 182.3
130 118.6 84.2 156.4
51 40.5 35.4 53.2

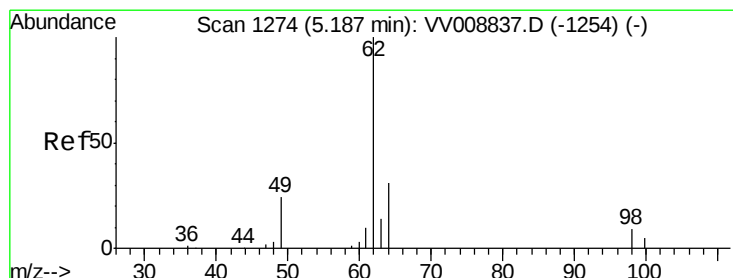
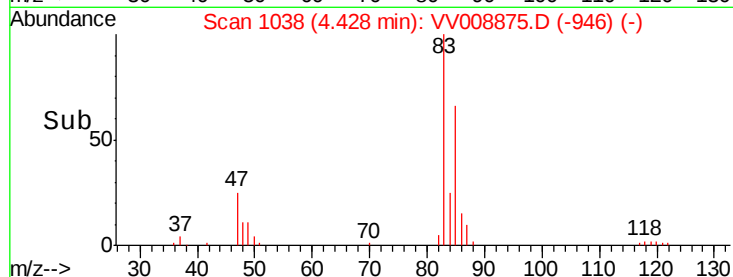
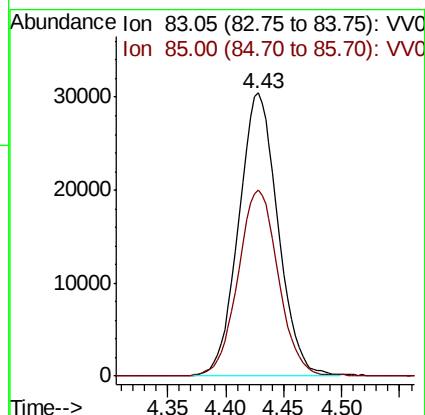
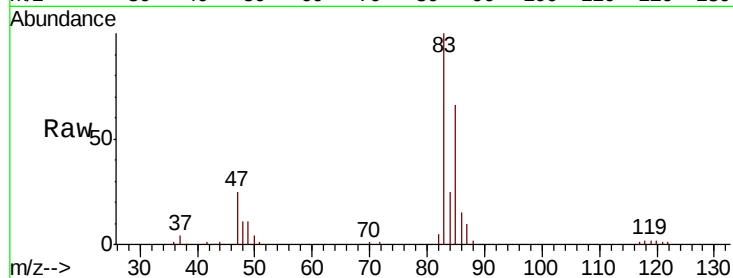




#25
Chloroform
Concen: 4.521 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

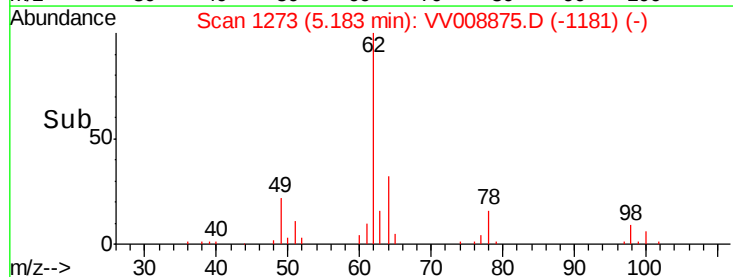
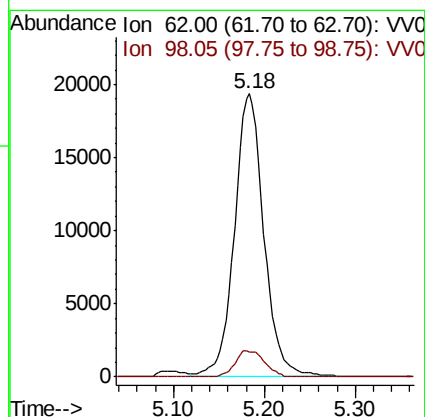
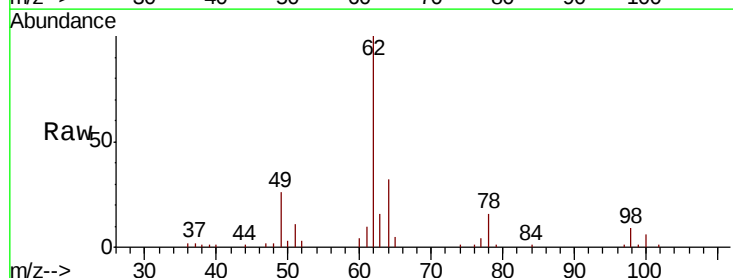
Instrument :
MSVOA_V
ClientSampleId :
BFB56

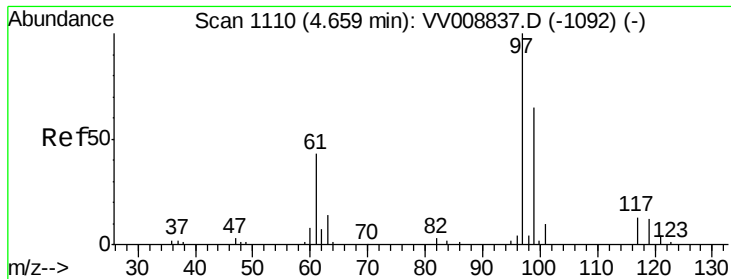
Tgt Ion: 83 Resp: 71809
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.806 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Tgt Ion: 62 Resp: 43565
Ion Ratio Lower Upper
62 100
98 9.0 7.3 10.9

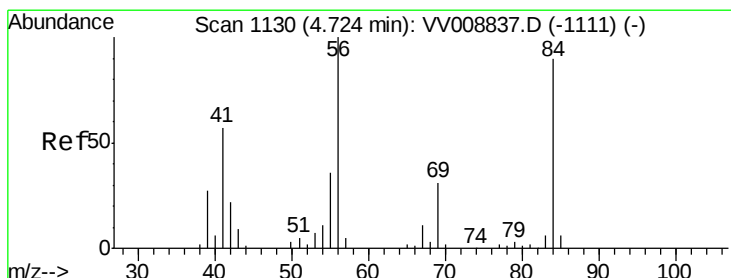
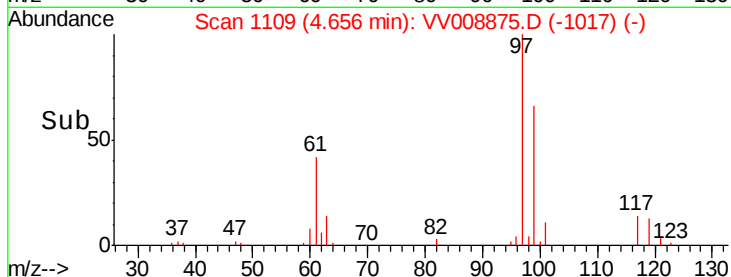
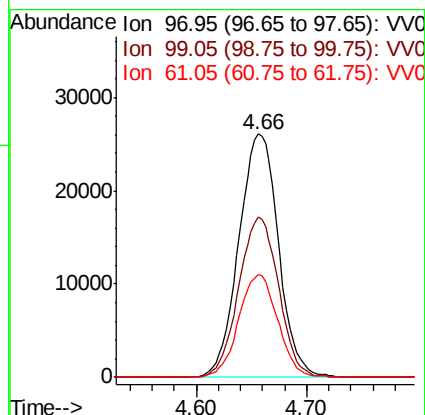
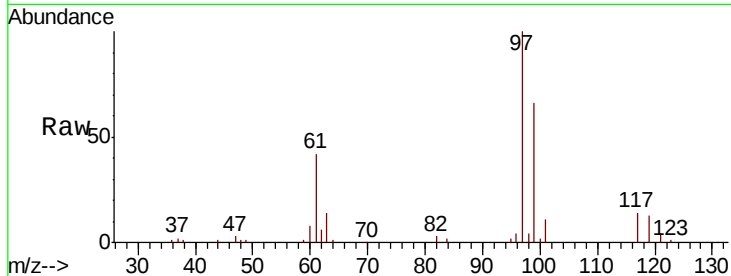




#29
 1,1,1-Trichloroethane
 Concen: 4.771 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

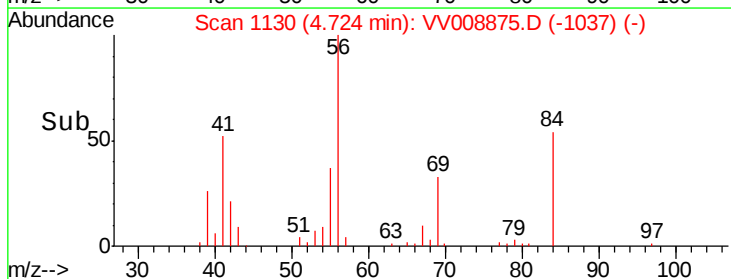
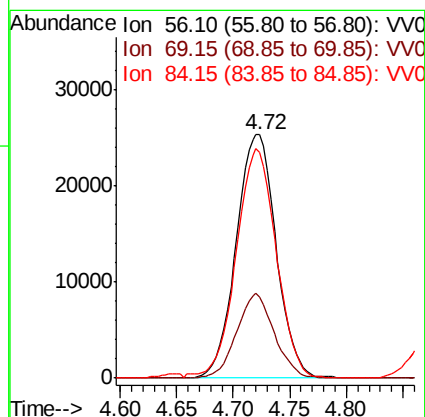
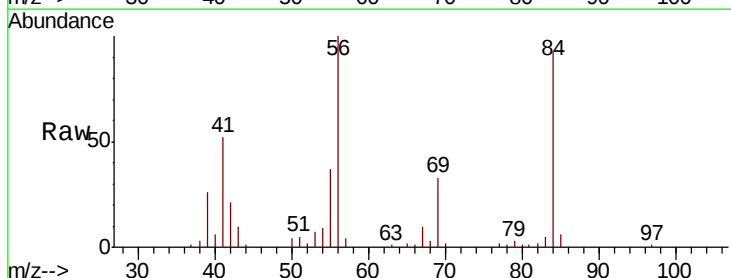
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

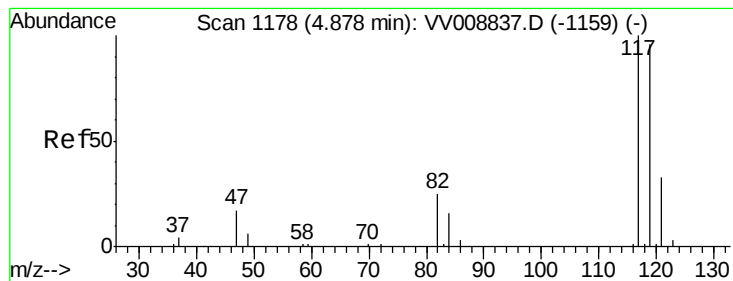
Tgt Ion: 97 Resp: 64920
 Ion Ratio Lower Upper
 97 100
 99 66.2 50.7 76.1
 61 41.7 34.0 51.0



#30
 Cyclohexane
 Concen: 4.755 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion: 56 Resp: 62194
 Ion Ratio Lower Upper
 56 100
 69 32.5 25.4 38.2
 84 94.4 72.2 108.2





#31

Carbon tetrachloride

Concen: 4.864 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

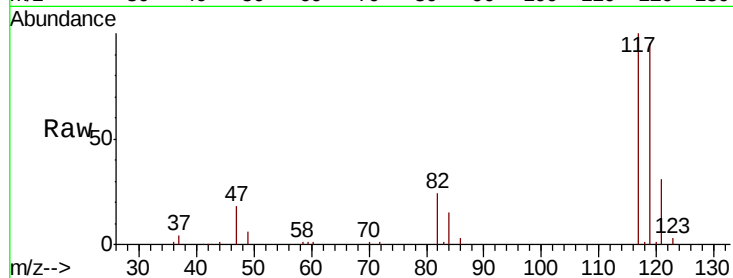
BFB56

Tgt Ion:117 Resp: 59577

Ion Ratio Lower Upper

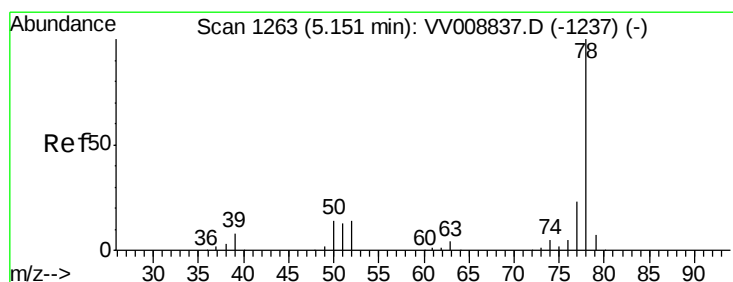
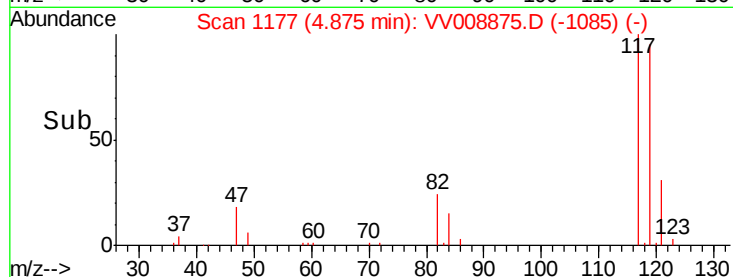
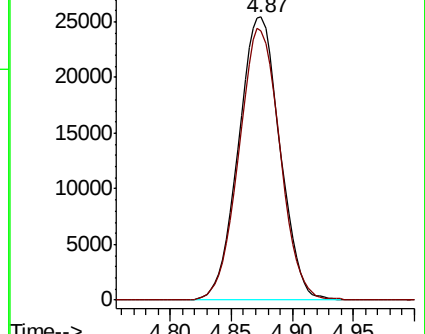
117 100

119 95.3 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.791 ug/L

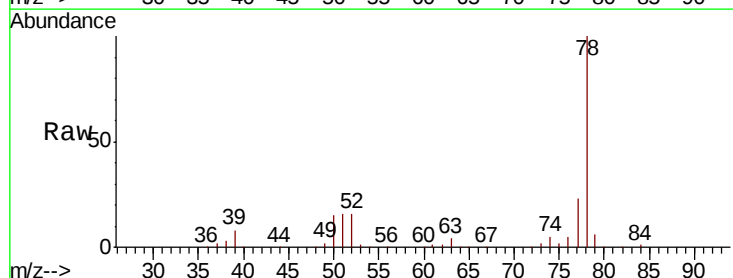
RT: 5.14 min Scan# 1261

Delta R.T. -0.01 min

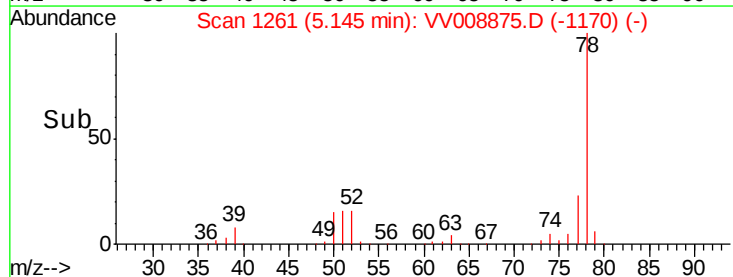
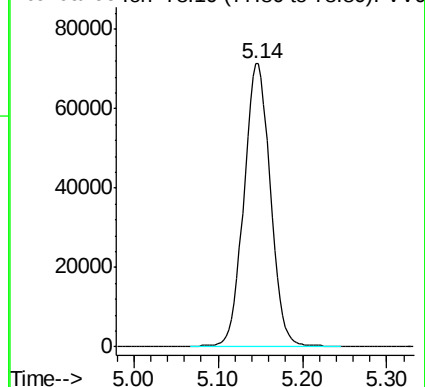
Lab File: VV008875.D

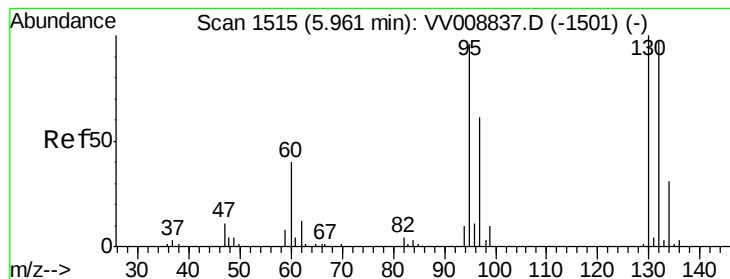
Acq: 07 Dec 2018 14:23

Tgt Ion: 78 Resp: 156546



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.714 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

BFB56

Tgt Ion: 95 Resp: 44789

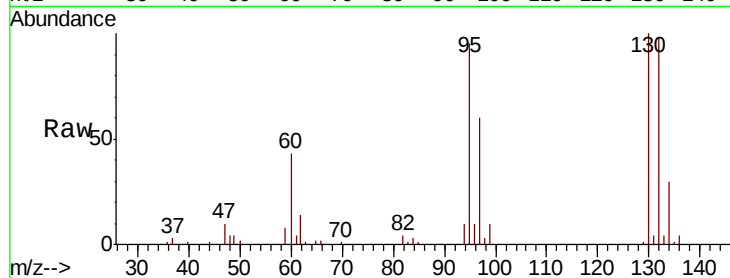
Ion Ratio Lower Upper

95 100

97 63.4 44.4 82.5

132 103.2 70.7 131.3

130 105.1 72.9 135.3

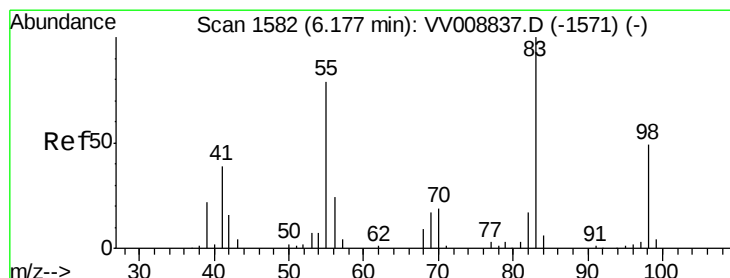
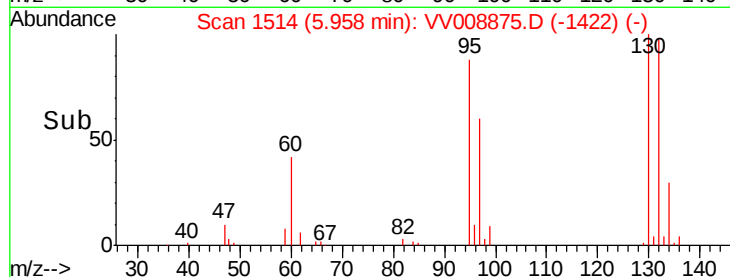
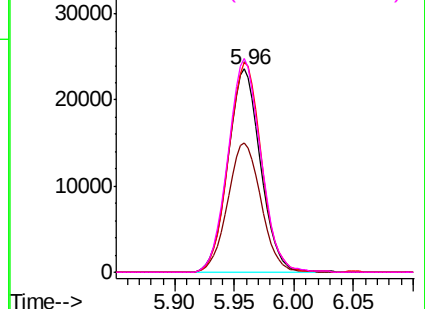


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.773 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

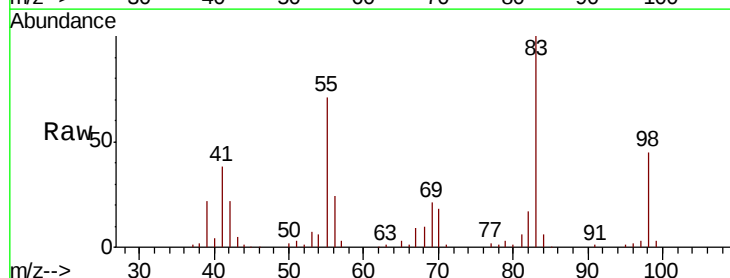
Tgt Ion: 83 Resp: 71751

Ion Ratio Lower Upper

83 100

55 73.1 60.0 90.0

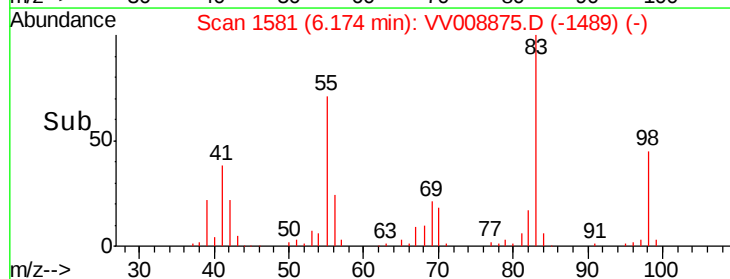
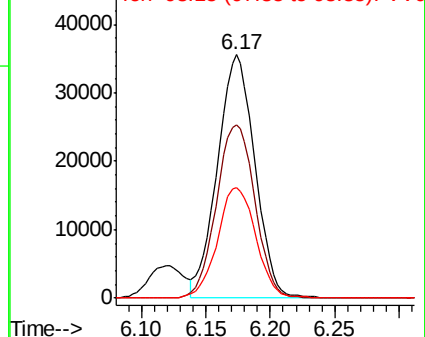
98 46.7 39.0 58.6

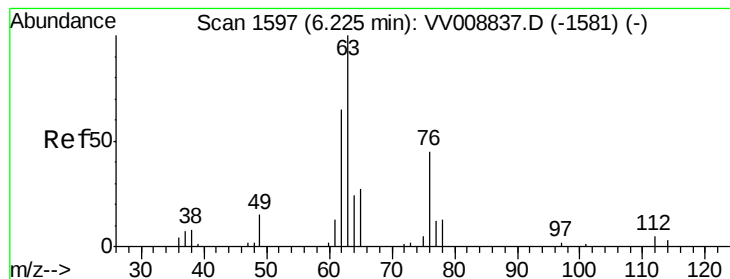


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.757 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampled :

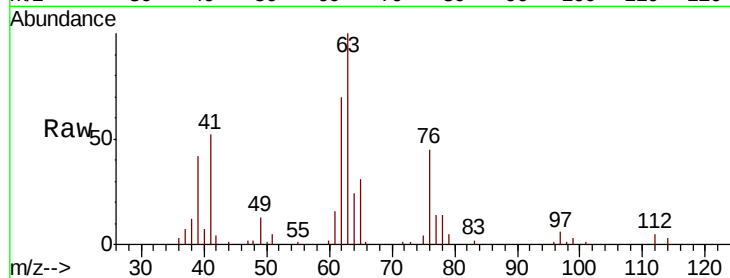
BFB56

Tgt Ion: 63 Resp: 38088

Ion Ratio Lower Upper

63 100

112 4.8 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV008837.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV008837.D (-1581) (-)

6.22

20000

15000

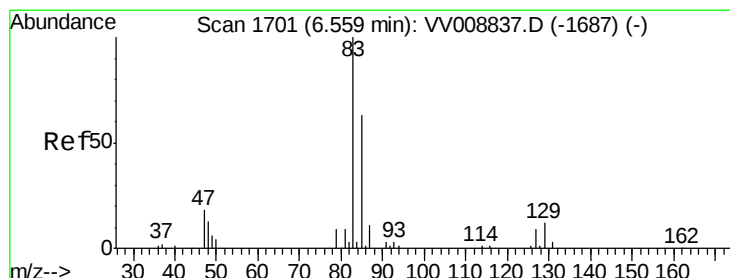
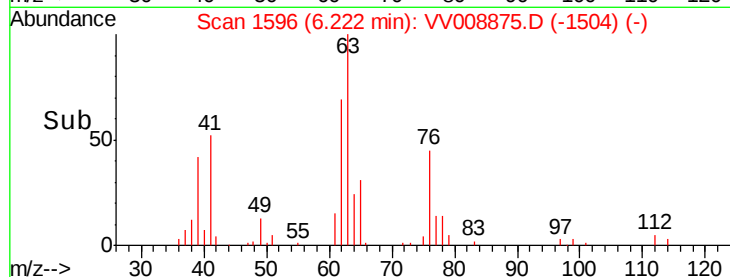
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.767 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

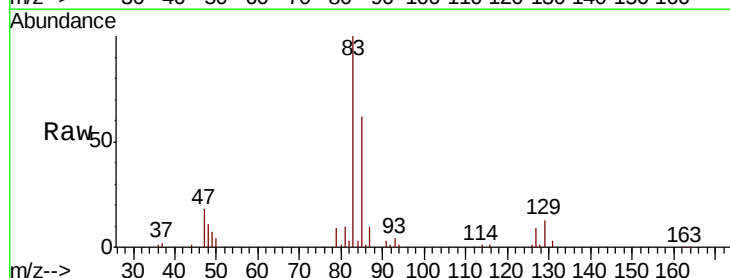
Tgt Ion: 83 Resp: 46971

Ion Ratio Lower Upper

83 100

85 61.7 44.2 82.0

127 9.3 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VV008837.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV008837.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV008837.D (-1687) (-)

6.56

30000

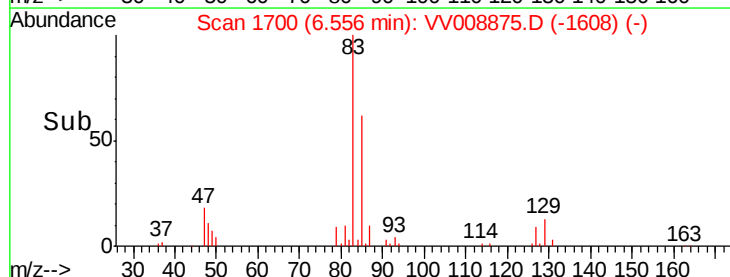
20000

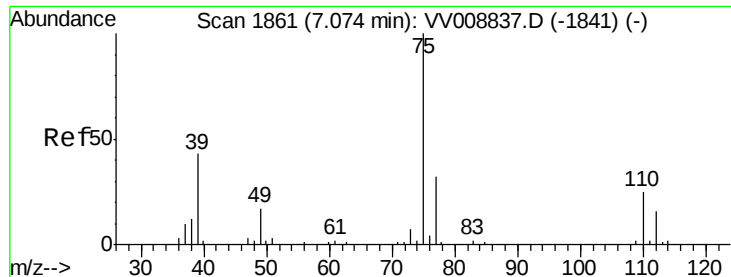
10000

0

6.50 6.55 6.60 6.65

Time-->

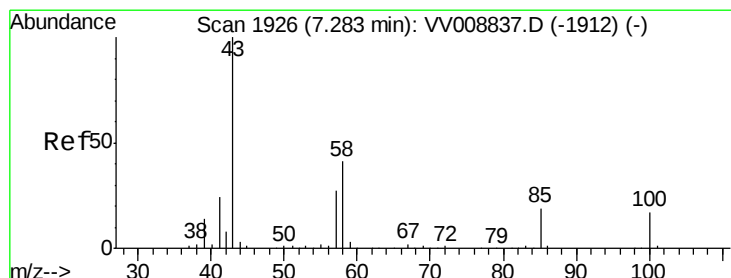
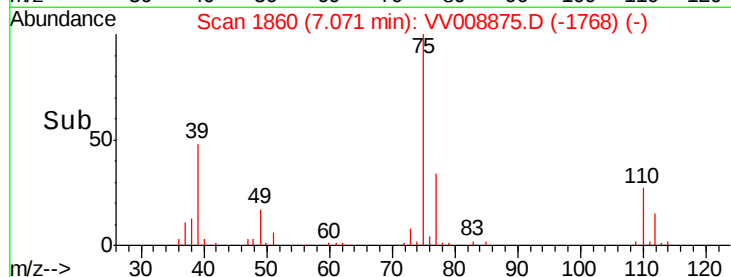
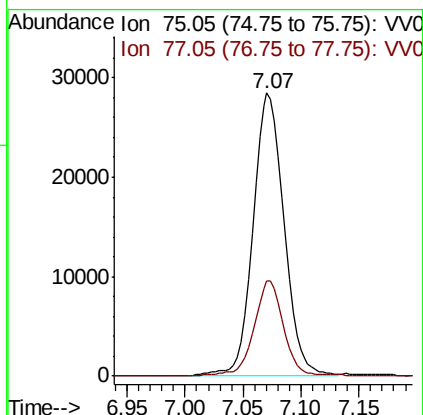
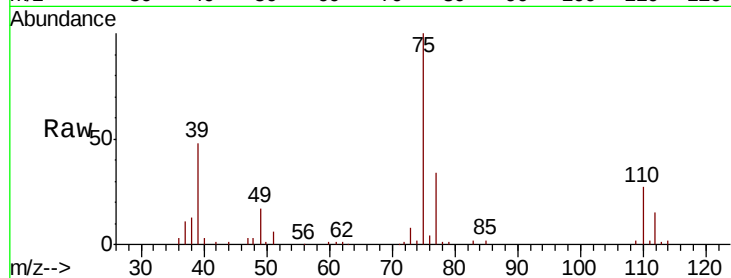




#39
 cis-1,3-Dichloropropene
 Concen: 4.759 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

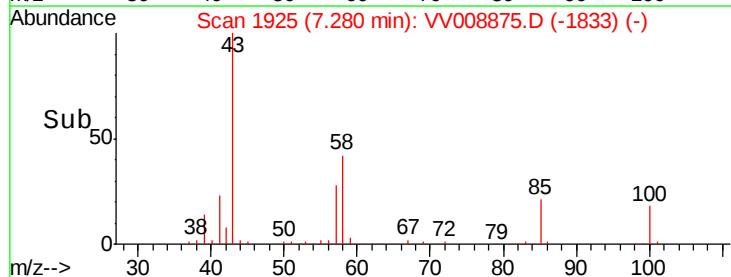
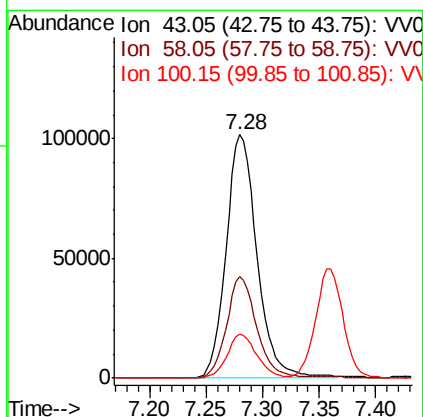
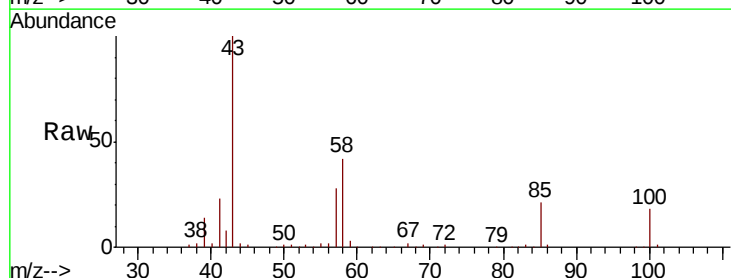
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

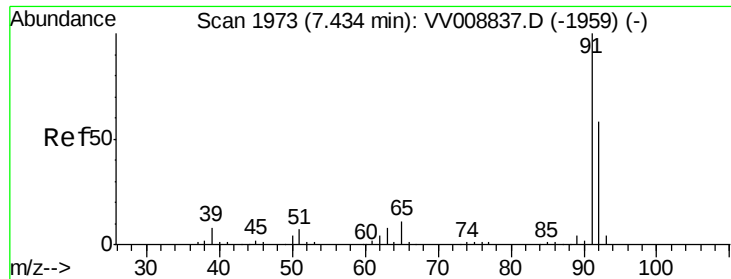
Tgt Ion: 75 Resp: 53403
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.618 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion: 43 Resp: 193404
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.6 48.8
 100 17.1 13.4 20.0





#42

Toluene

Concen: 4.785 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

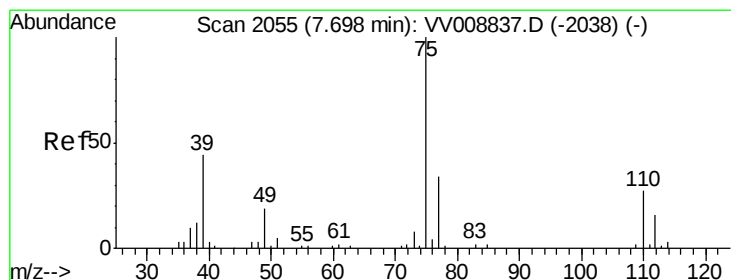
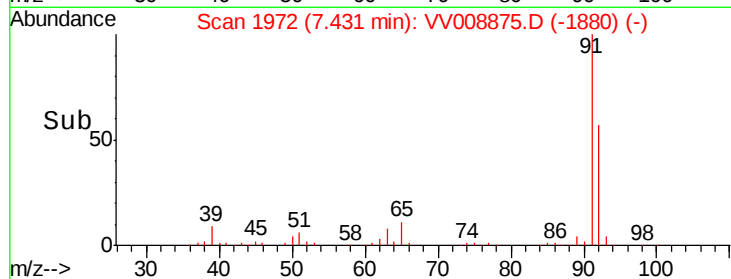
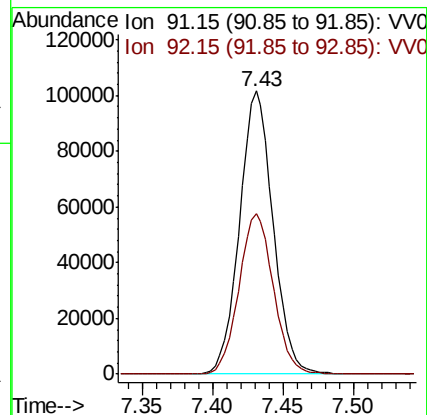
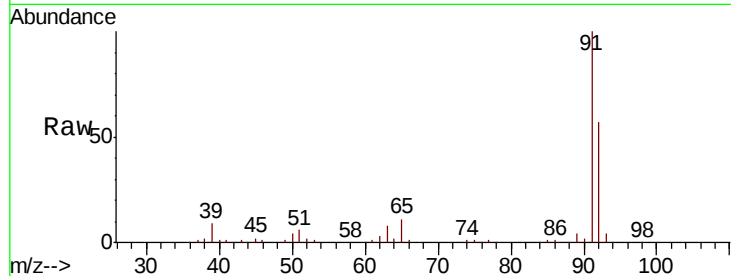
BFB56

Tgt Ion: 91 Resp: 168750

Ion Ratio Lower Upper

91 100

92 56.7 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 4.933 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008875.D

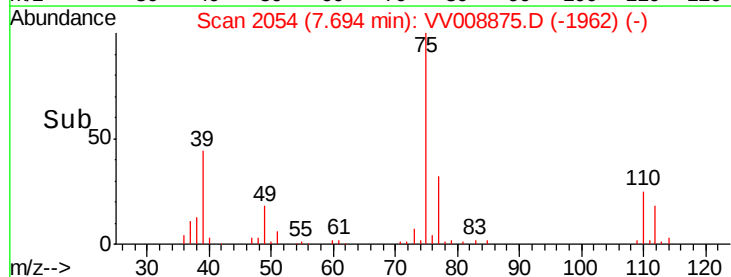
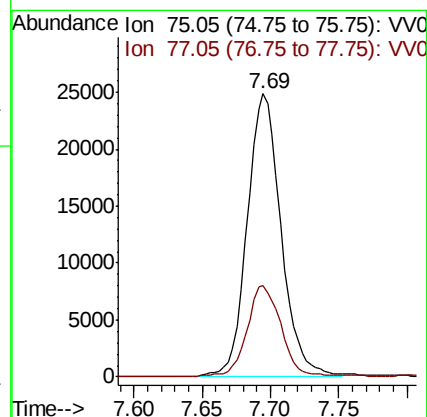
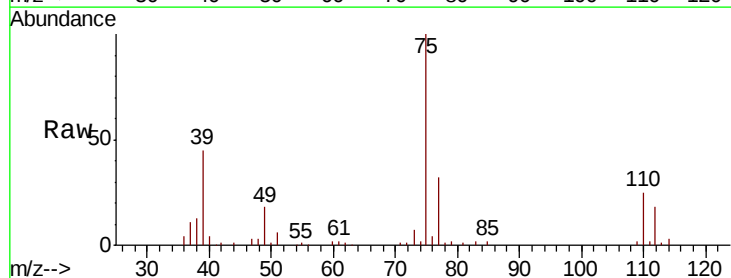
Acq: 07 Dec 2018 14:23

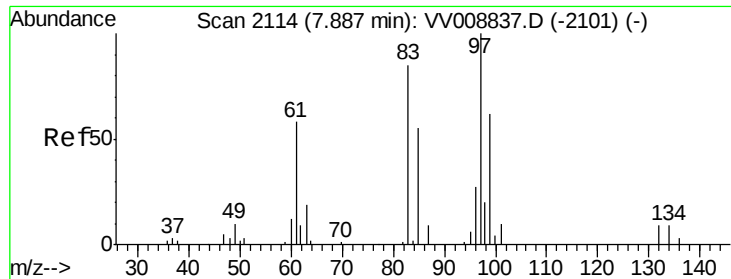
Tgt Ion: 75 Resp: 42931

Ion Ratio Lower Upper

75 100

77 32.4 23.6 43.8

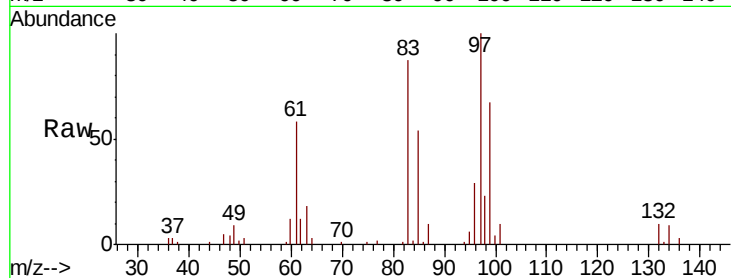




#45
 1,1,2-Trichloroethane
 Concen: 4.689 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

Tgt Ion:	97	Resp:	26361
Ion	Ratio	Lower	Upper
97	100		
99	66.7	43.3	80.3
83	86.7	59.4	110.2
85	54.3	38.5	71.5



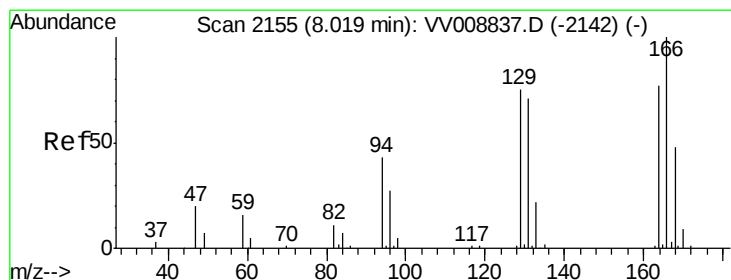
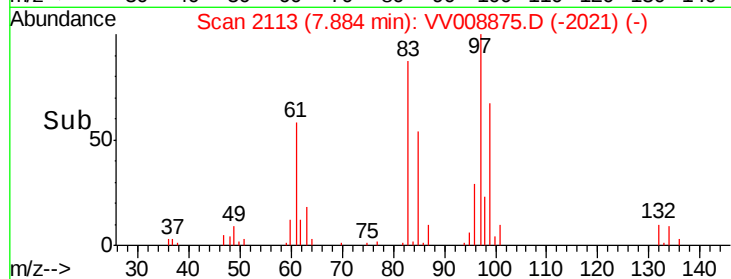
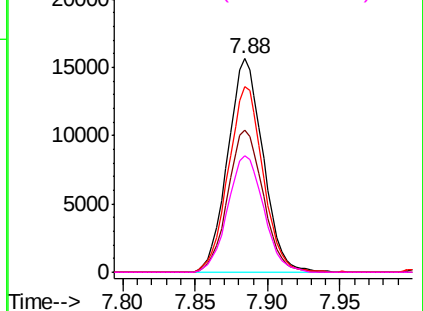
Abundance

Ion 96.95 (96.65 to 97.65): VV008837.D (-2101) (-)

Ion 99.05 (98.75 to 99.75): VV008837.D (-2101) (-)

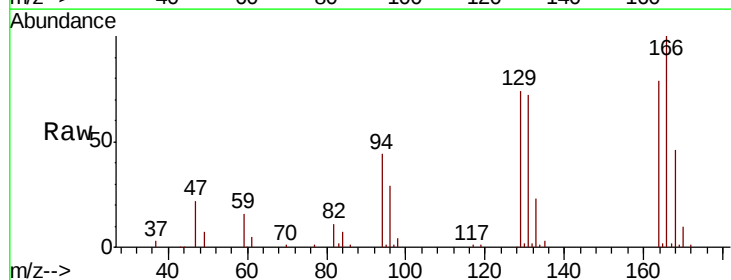
Ion 82.95 (82.65 to 83.65): VV008837.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV008837.D (-2101) (-)



#47
 Tetrachloroethene
 Concen: 4.923 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion:	164	Resp:	37531
Ion	Ratio	Lower	Upper
164	100		
129	93.8	68.8	127.8
131	91.3	64.8	120.4
166	126.2	91.5	169.9



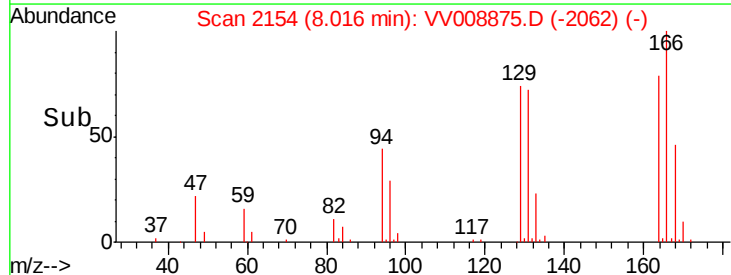
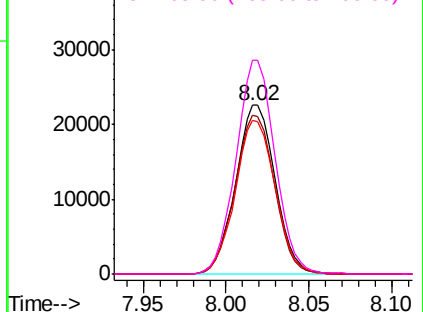
Abundance

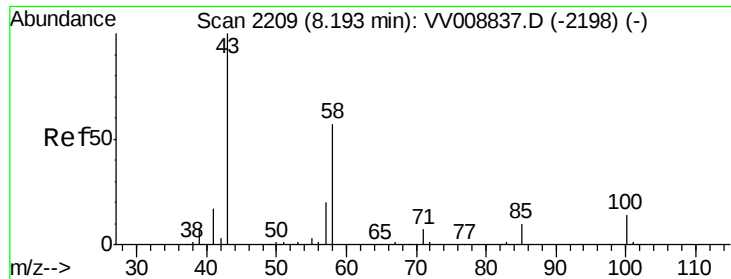
Ion 163.90 (163.60 to 164.60): VV008837.D (-2142) (-)

Ion 128.95 (128.65 to 129.65): VV008837.D (-2142) (-)

Ion 130.95 (130.65 to 131.65): VV008837.D (-2142) (-)

Ion 165.90 (165.60 to 166.60): VV008837.D (-2142) (-)

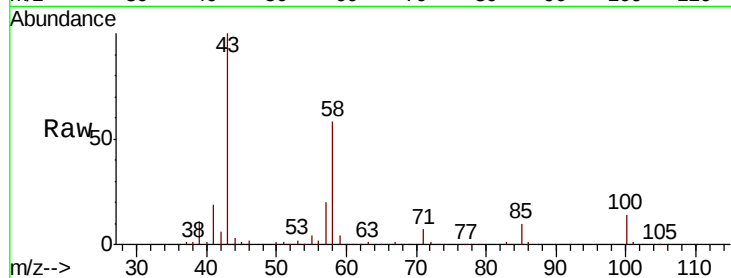




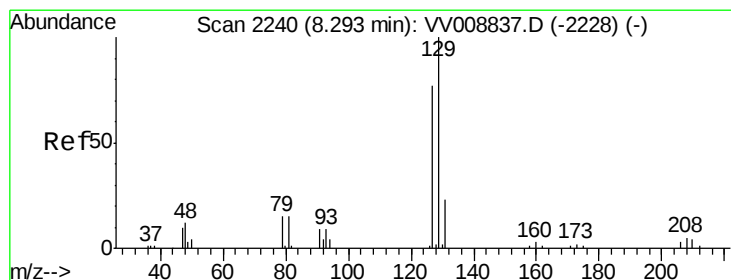
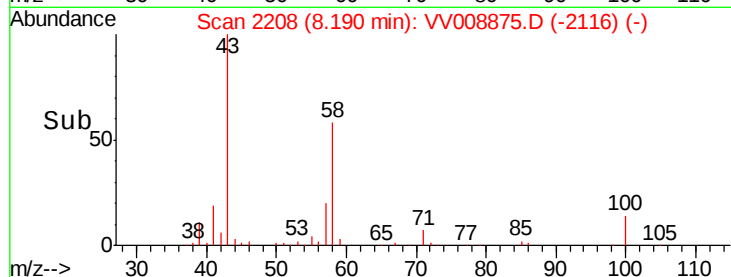
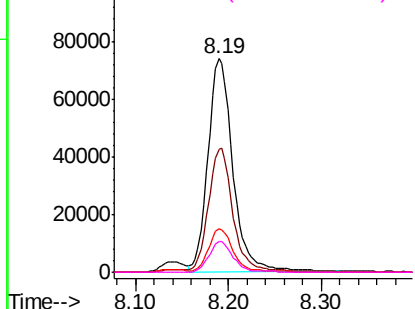
#48
2-Hexanone
Concen: 48.061 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Instrument :
MSVOA_V
ClientSampleId :
BFB56

Tgt Ion: 43 Resp: 137607
Ion Ratio Lower Upper
43 100
58 56.7 44.4 66.6
57 19.7 15.8 23.8
100 14.0 10.9 16.3

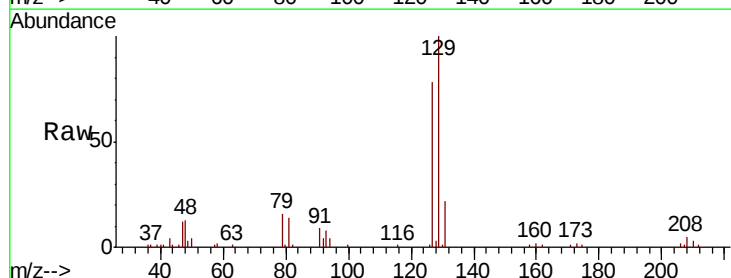


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

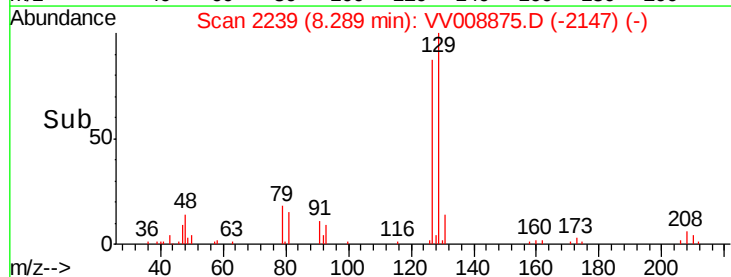
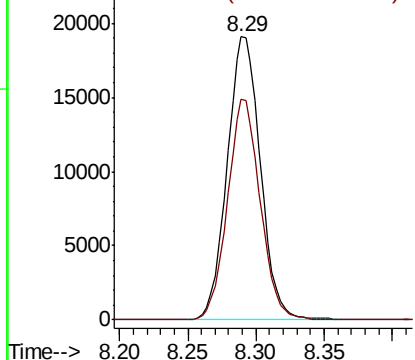


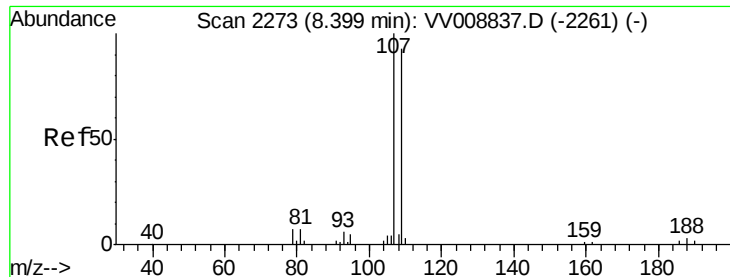
#49
Dibromochloromethane
Concen: 4.914 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Tgt Ion: 129 Resp: 32311
Ion Ratio Lower Upper
129 100
127 78.0 54.0 100.4



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

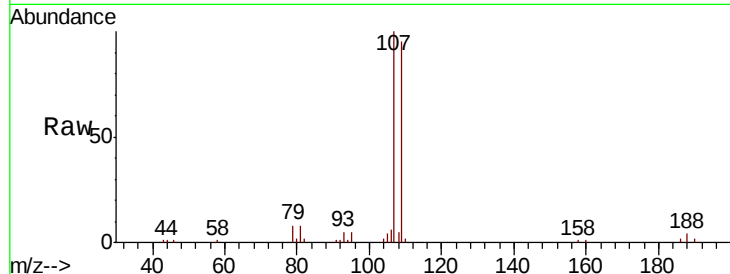




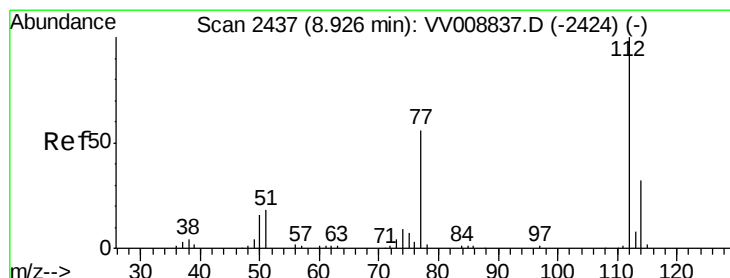
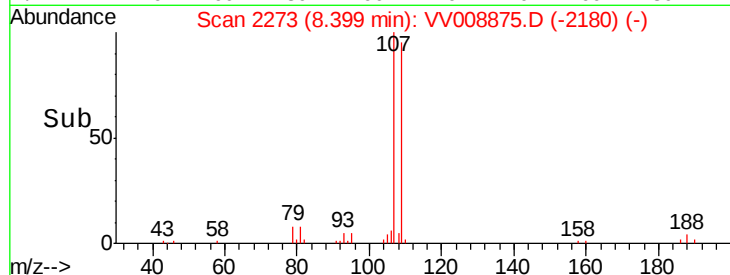
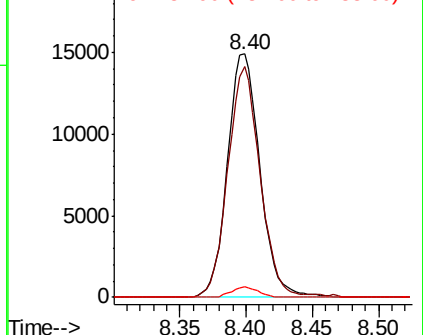
#50
1,2-Dibromoethane
Concen: 4.824 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Instrument :
MSVOA_V
ClientSampleId :
BFB56

Tgt Ion:107 Resp: 25408
Ion Ratio Lower Upper
107 100
109 94.6 65.3 121.3
188 4.2 2.5 3.7#

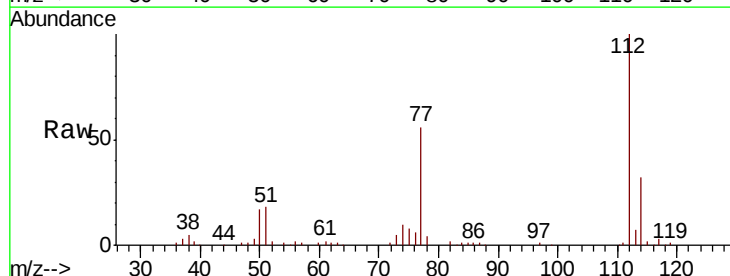


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

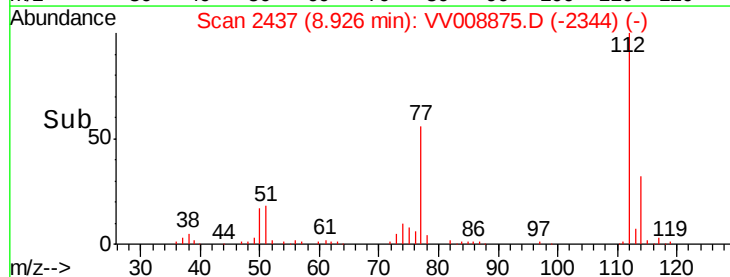
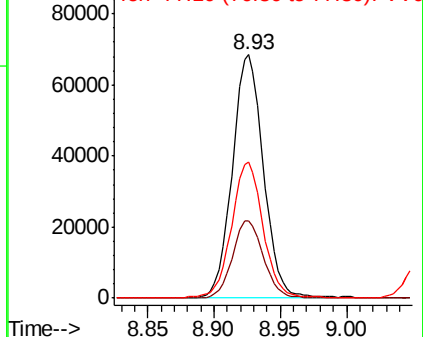


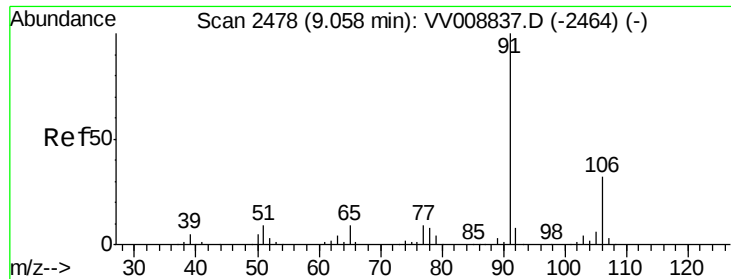
#51
Chlorobenzene
Concen: 4.804 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Tgt Ion:112 Resp: 111477
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 55.8 45.2 67.8



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): VV0





#52

Ethylbenzene

Concen: 4.790 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

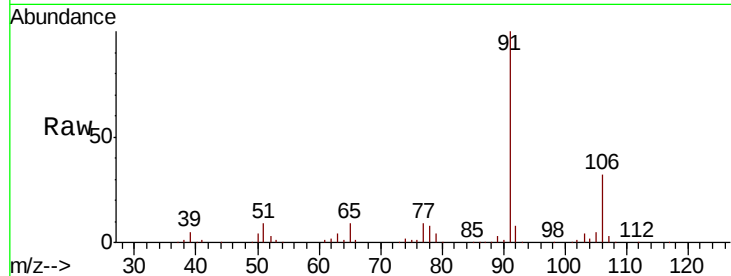
BFB56

Tgt Ion: 91 Resp: 184441

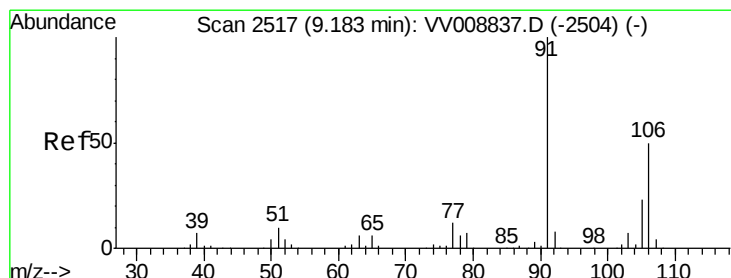
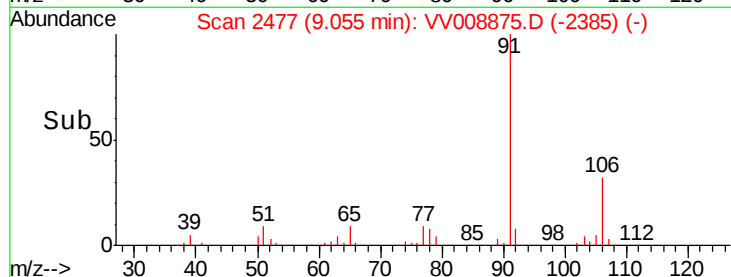
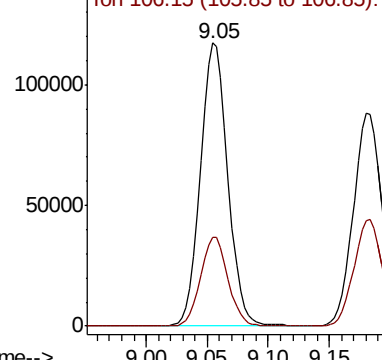
Ion Ratio Lower Upper

91 100

106 31.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV008875.D (-2385) (-)



#53

m,p-xylene

Concen: 4.913 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008875.D

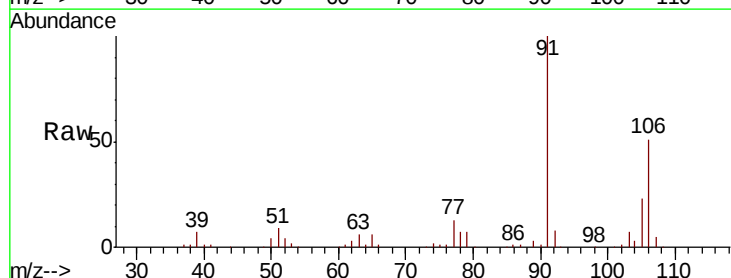
Acq: 07 Dec 2018 14:23

Tgt Ion: 106 Resp: 72268

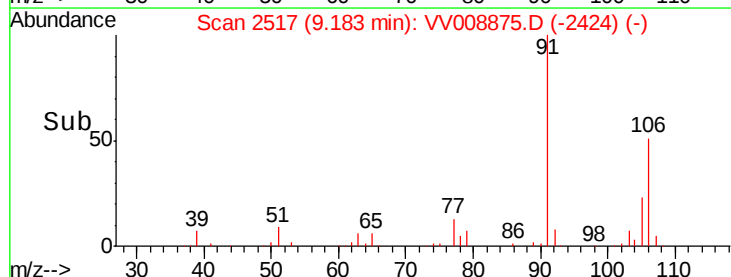
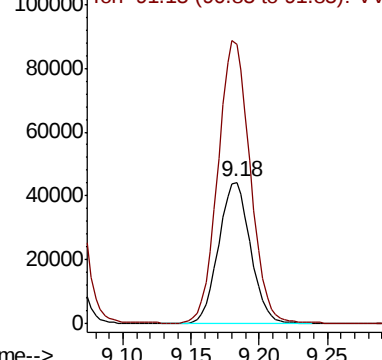
Ion Ratio Lower Upper

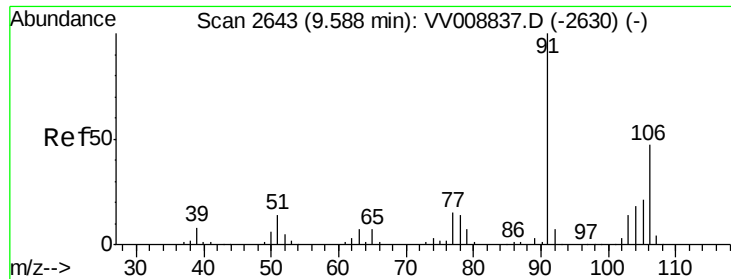
106 100

91 197.9 141.9 263.5



Abundance Ion 106.15 (105.85 to 106.85): VV008875.D (-2424) (-)

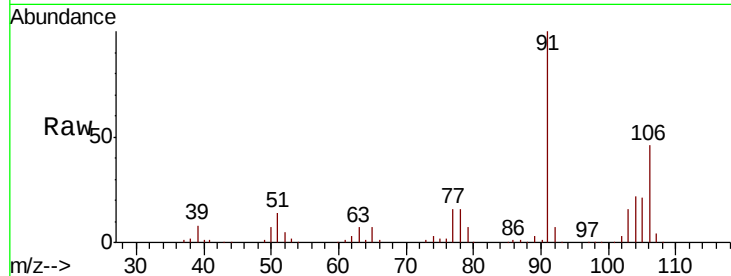




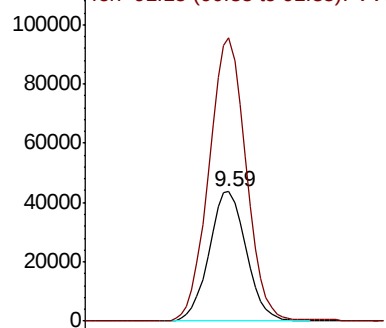
#54
o-xylene
Concen: 4.846 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

Instrument :
MSVOA_V
ClientSampleId :
BFB56

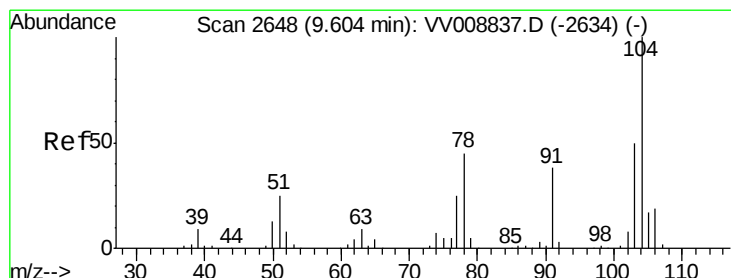
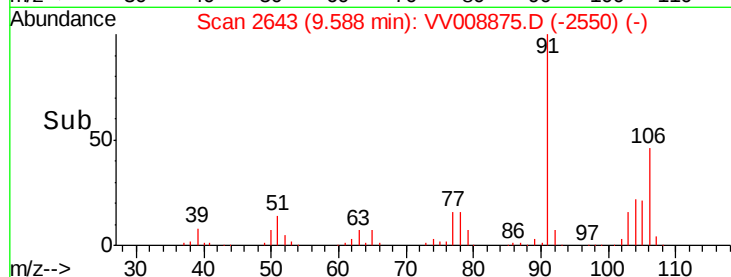
Tgt Ion:106 Resp: 67978
Ion Ratio Lower Upper
106 100
91 218.8 149.0 276.6



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

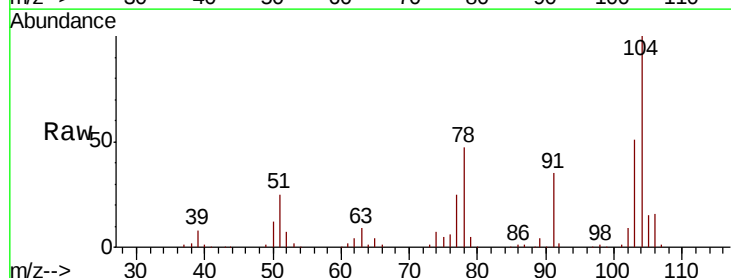


Time-->

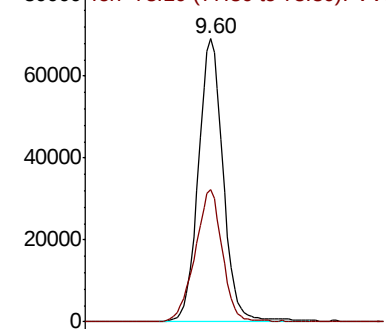


#55
Styrene
Concen: 4.847 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008875.D
Acq: 07 Dec 2018 14:23

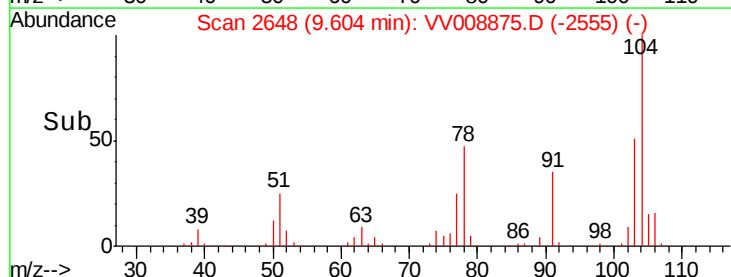
Tgt Ion:104 Resp: 112484
Ion Ratio Lower Upper
104 100
78 46.8 31.4 58.4

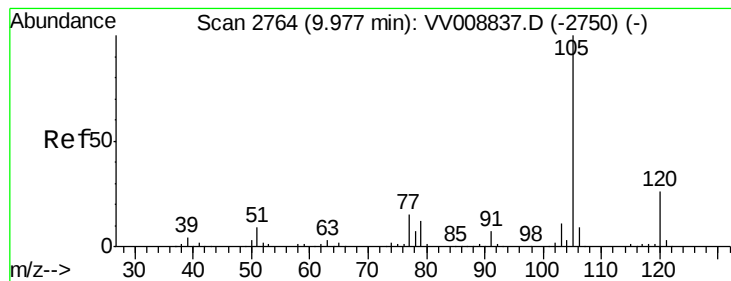


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 4.925 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampleId :

BFB56

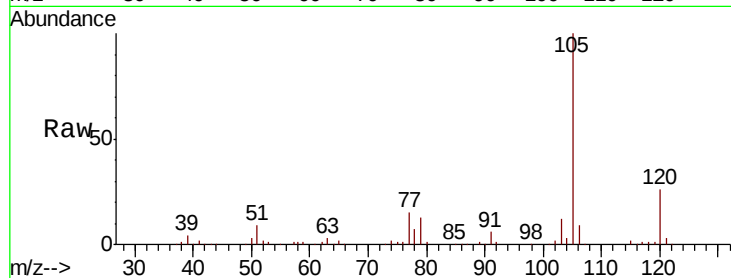
Tgt Ion: 105 Resp: 186905

Ion Ratio Lower Upper

105 100

120 26.0 21.2 31.8

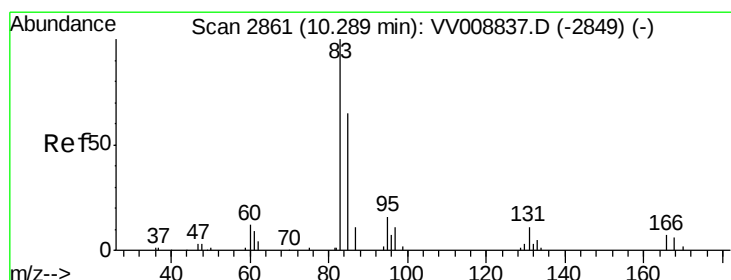
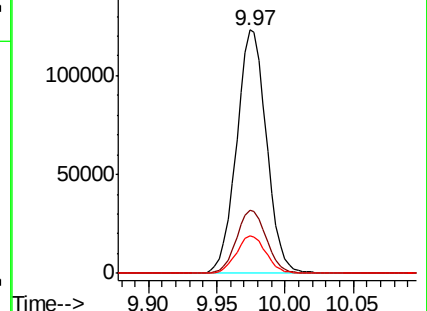
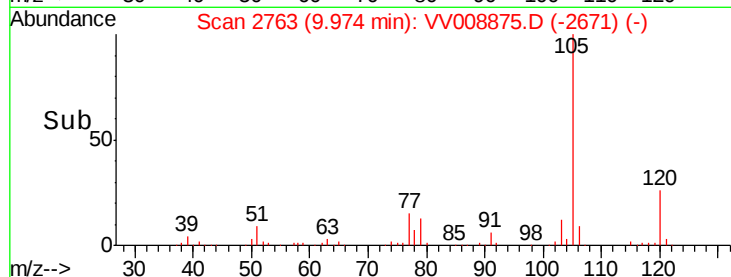
77 15.3 12.4 18.6



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: 4.972 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

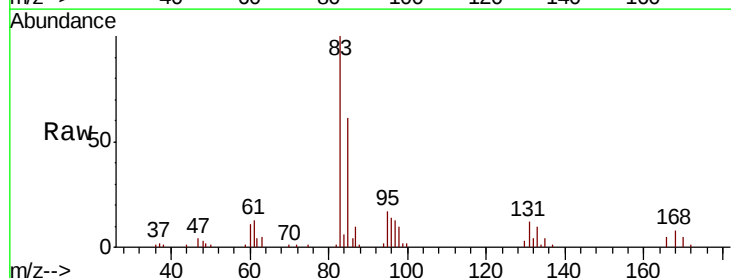
Tgt Ion: 83 Resp: 28205

Ion Ratio Lower Upper

83 100

85 61.1 45.8 85.0

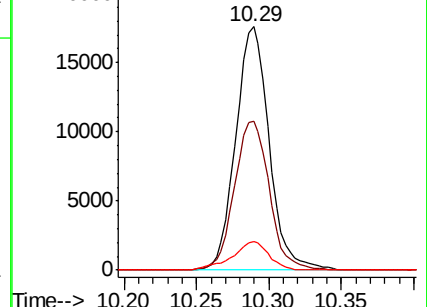
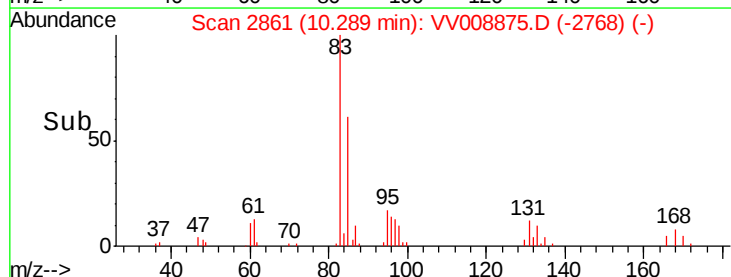
131 11.7 9.6 14.4

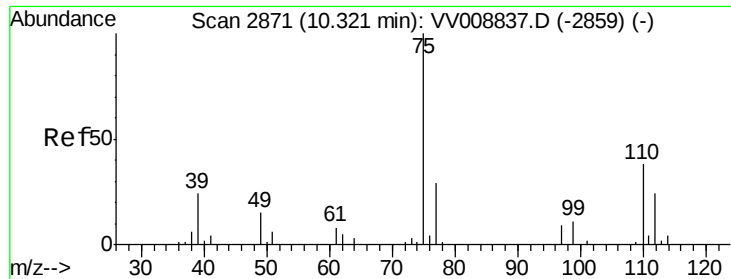


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

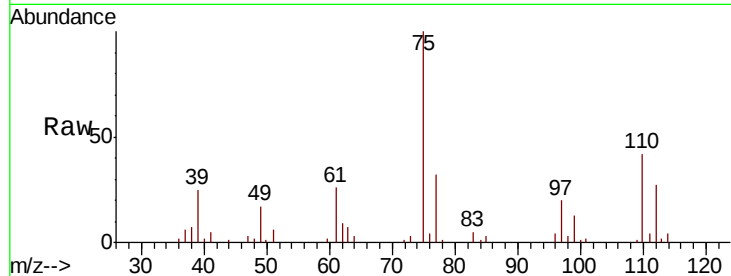




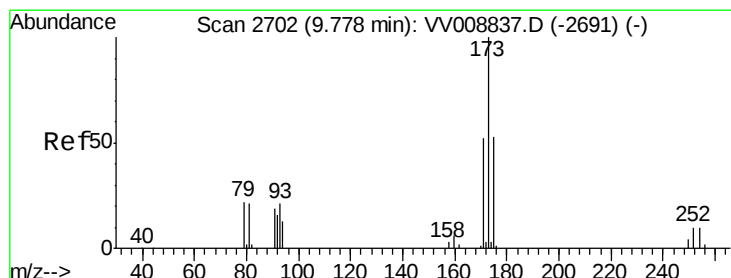
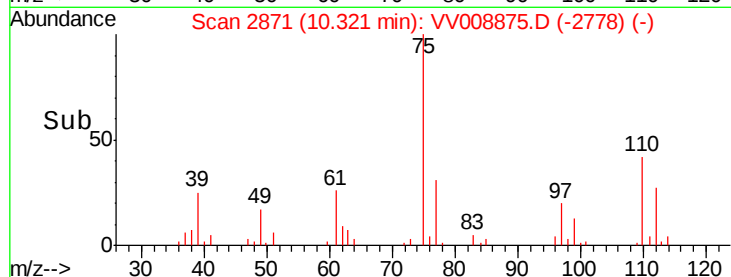
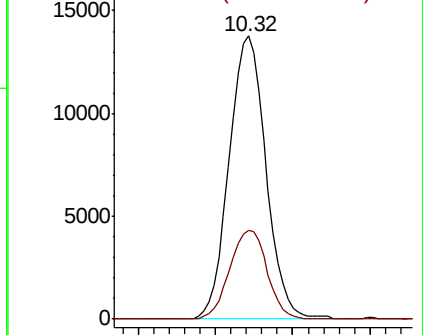
#59
 1,2,3-Trichloropropane
 Concen: 4.760 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

Tgt Ion: 75 Resp: 22747
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2

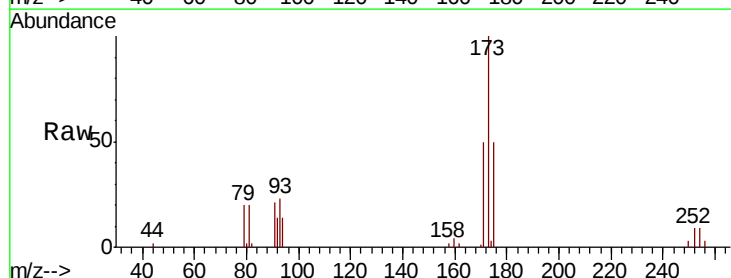


Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0

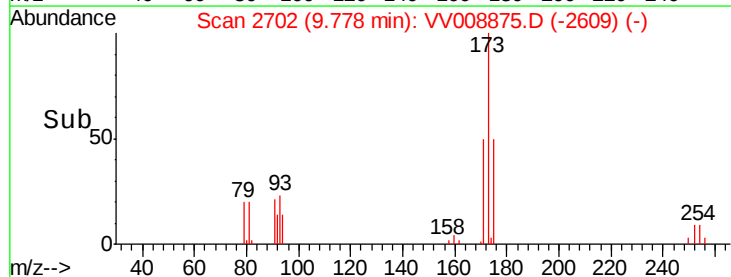
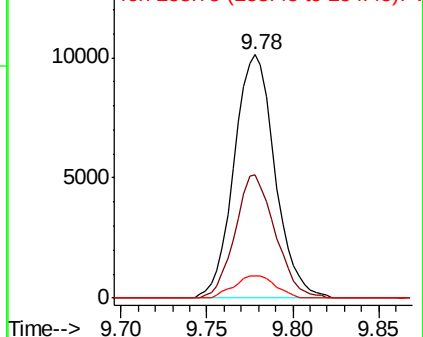


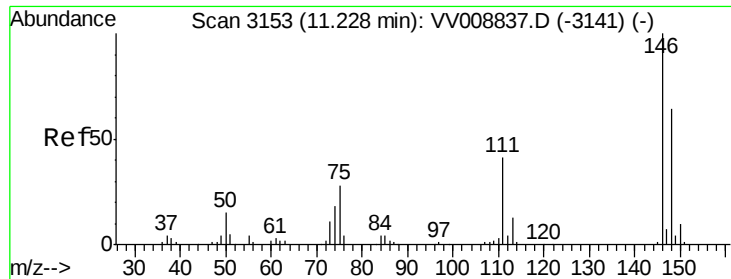
#61
 Bromoform
 Concen: 4.894 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion: 173 Resp: 16769
 Ion Ratio Lower Upper
 173 100
 175 49.4 40.2 60.4
 254 9.1 7.0 10.6



Abundance Ion 172.90 (172.60 to 173.60): V
 Ion 174.90 (174.60 to 175.60): V
 Ion 253.75 (253.45 to 254.45): V

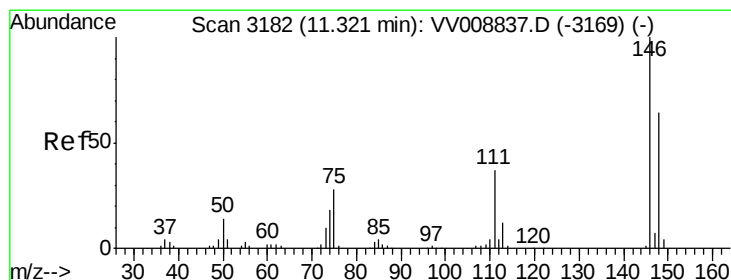
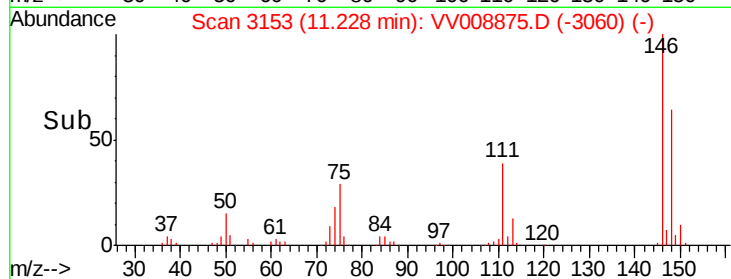
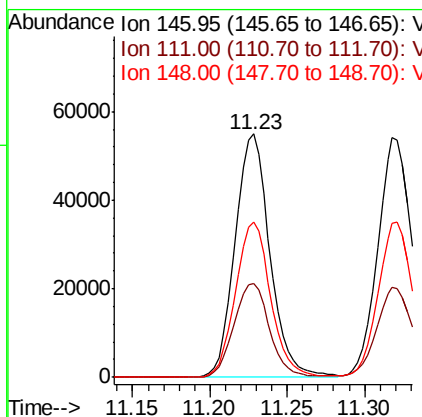
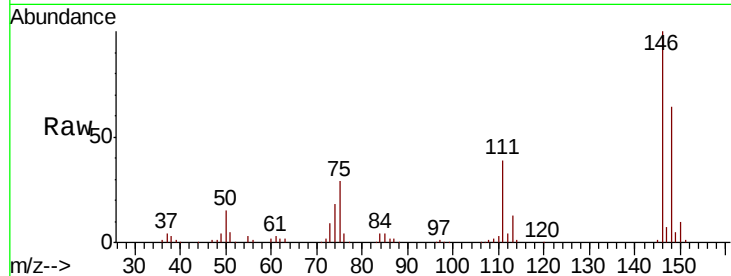




#62
 1,3-Dichlorobenzene
 Concen: 4.611 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

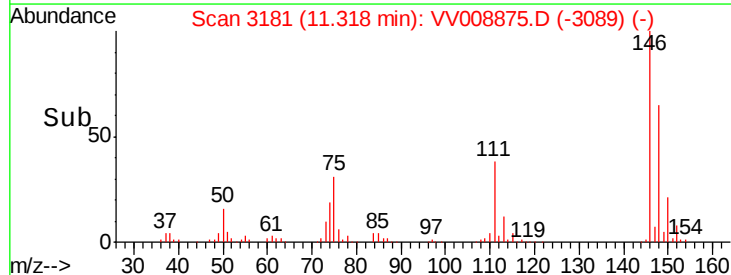
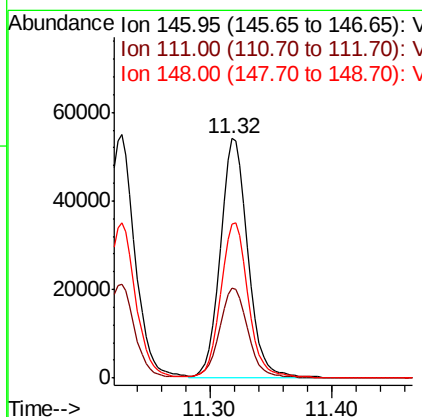
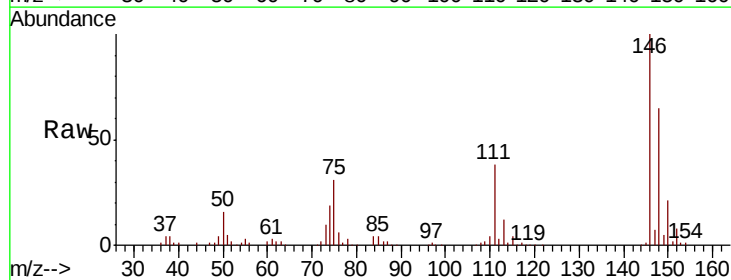
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

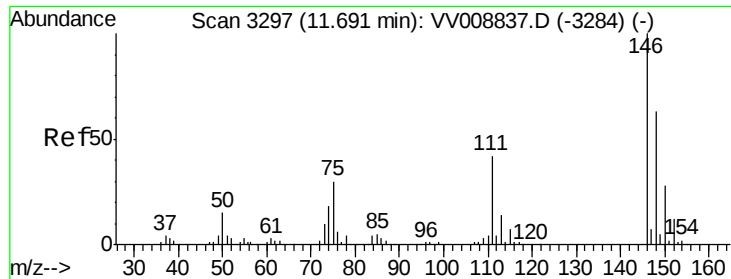
Tgt Ion:146 Resp: 85862
 Ion Ratio Lower Upper
 146 100
 111 38.8 28.5 52.9
 148 63.8 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 4.540 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion:146 Resp: 86423
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.2 48.8
 148 64.6 44.7 82.9

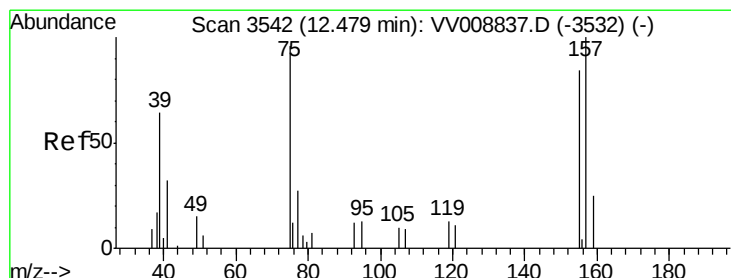
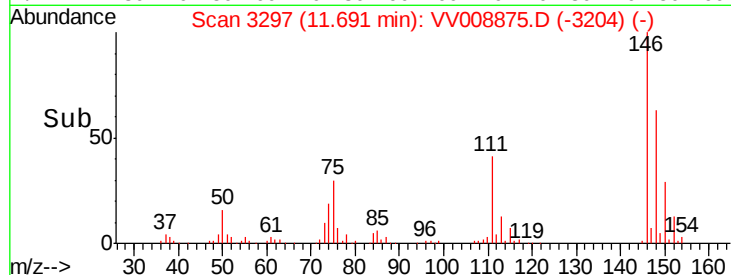
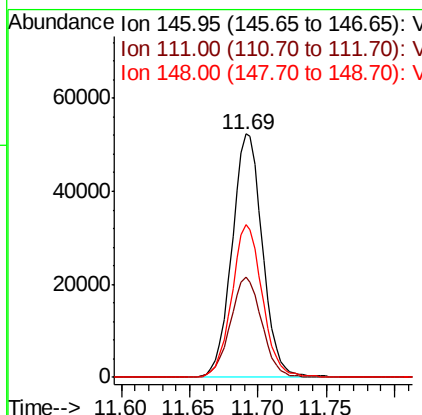
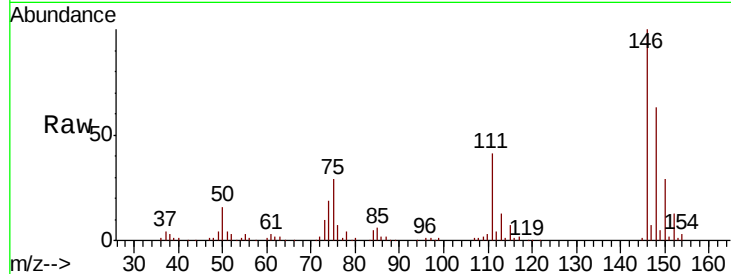




#65
 1,2-Dichlorobenzene
 Concen: 4.722 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

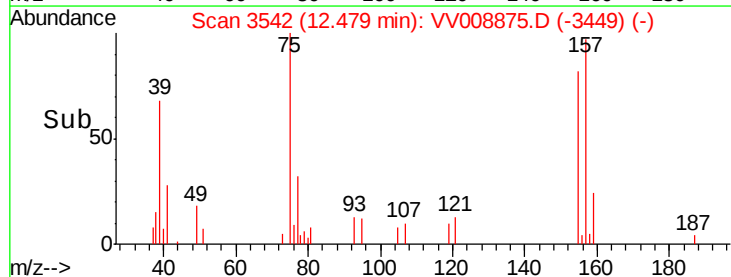
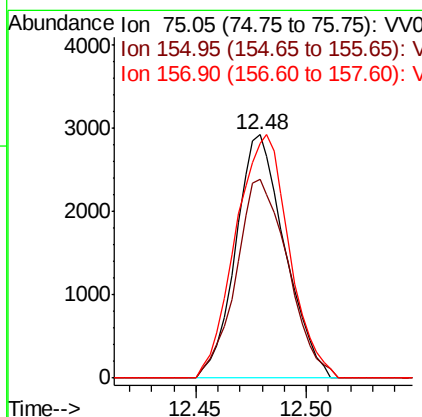
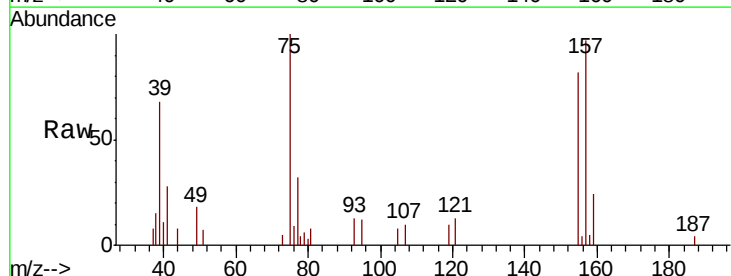
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

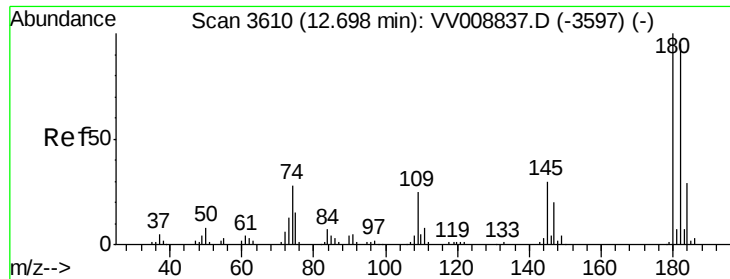
Tgt Ion: 146 Resp: 81219
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.8 50.6
 148 62.9 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.234 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion: 75 Resp: 4519
 Ion Ratio Lower Upper
 75 100
 155 81.8 70.2 105.4
 157 96.6 83.4 125.2

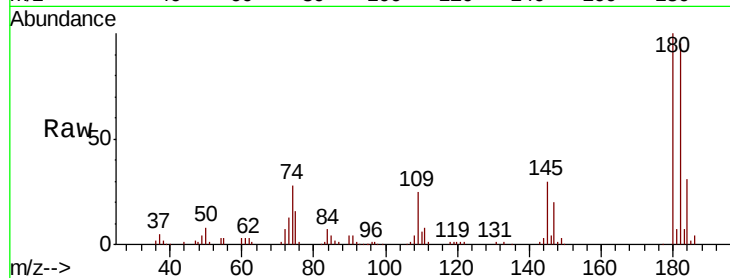




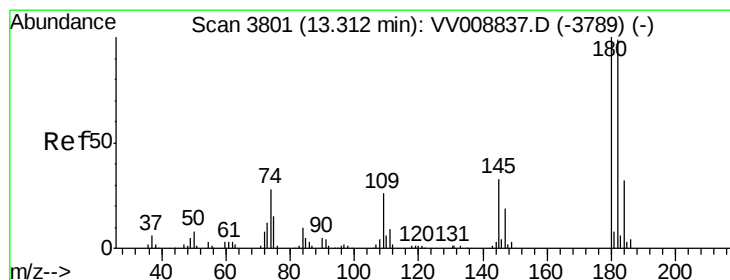
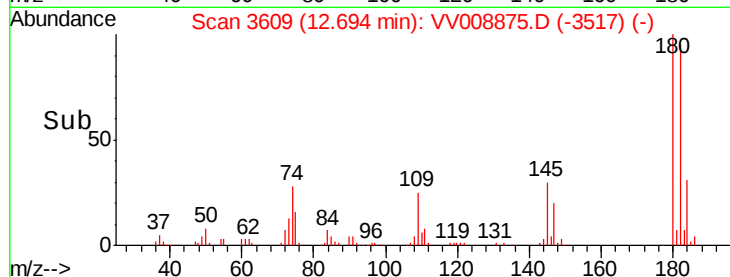
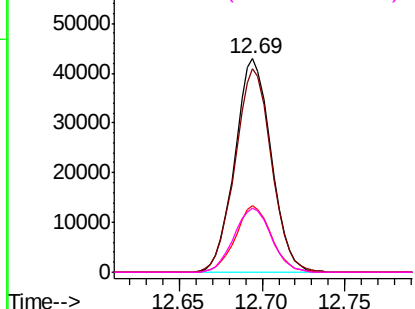
#67
 1,3,5-Trichlorobenzene
 Concen: 4.710 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB56

Tgt Ion:180 Resp: 65284
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.5 114.7
 184 30.8 24.3 36.5
 145 31.0 25.2 37.8

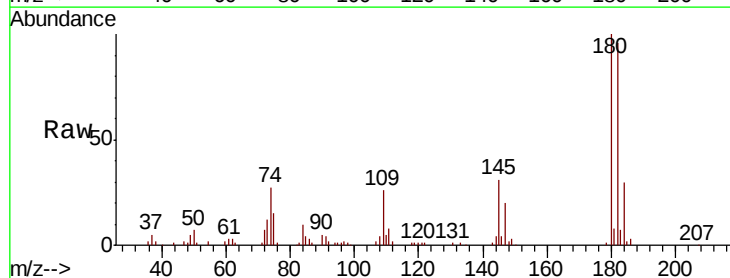


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

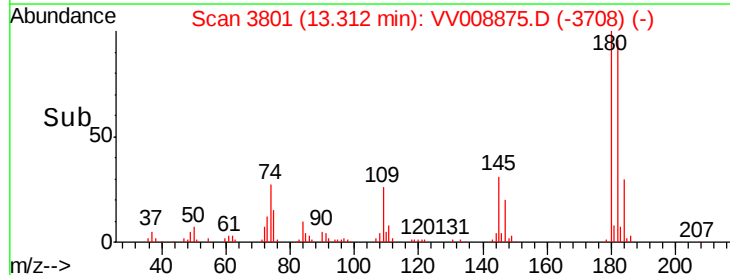
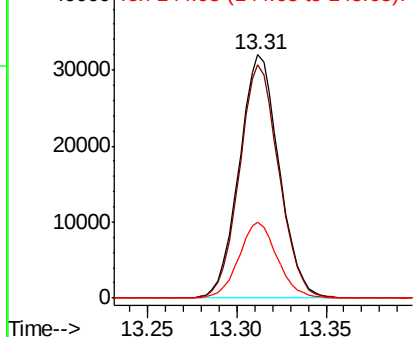


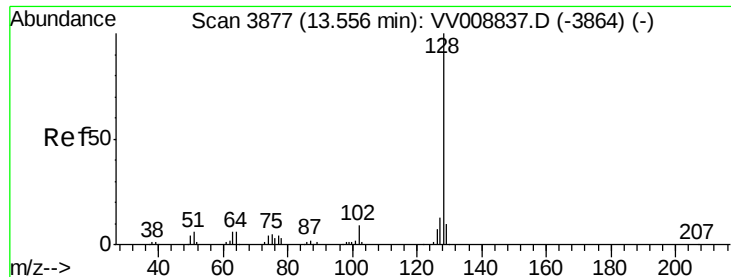
#68
 1,2,4-trichlorobenzene
 Concen: 4.851 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008875.D
 Acq: 07 Dec 2018 14:23

Tgt Ion:180 Resp: 49956
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 145 30.0 26.2 39.4



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: 4.768 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

Instrument :

MSVOA_V

ClientSampled :

BFB56

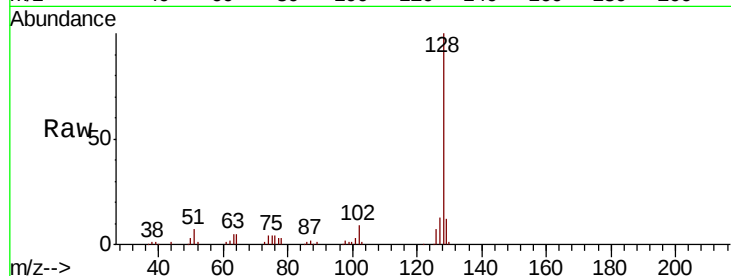
Tgt Ion:128 Resp: 71281

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

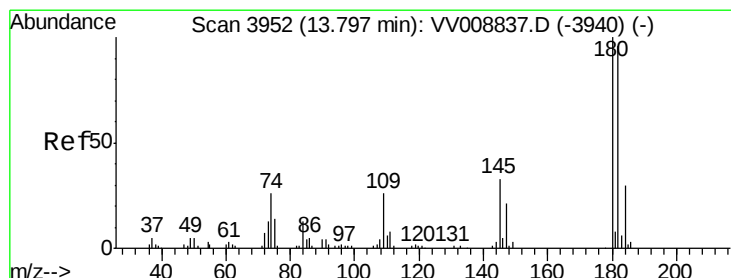
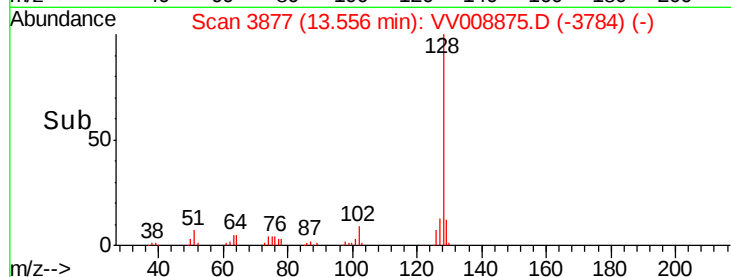
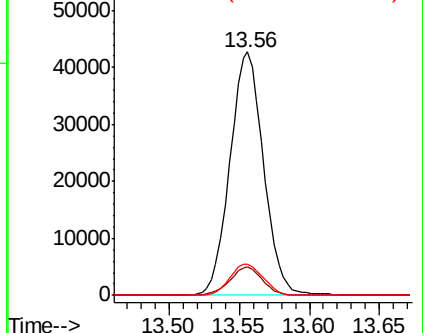
127 12.8 10.6 15.8



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: 4.860 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008875.D

Acq: 07 Dec 2018 14:23

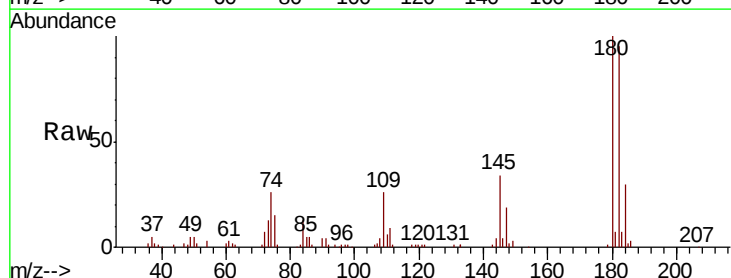
Tgt Ion:180 Resp: 46846

Ion Ratio Lower Upper

180 100

182 93.7 77.8 116.8

145 33.4 26.6 40.0



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

