

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080318\
 Data File : VV006870.D
 Acq On : 04 Aug 2018 02:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 04 04:41:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 04 04:38:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	239272	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	229813	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100943	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96688	5.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.60%
7) Chloroethane-d5	1.58	69	83346	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.60%
11) 1,1-Dichloroethene-d2	2.13	63	180880	5.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.80%
20) 2-Butanone-d5	3.97	46	245945	61.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.38%
24) Chloroform-d	4.41	84	172920	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.20%
26) 1,2-Dichloroethane-d4	5.09	65	88610	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.20%
32) Benzene-d6	5.10	84	327218	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.13	67	110125	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.36	98	296862	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
43) trans-1,3-Dichloropropene-	7.67	79	38254	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
46) 2-Hexanone-d5	8.14	63	168395	52.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	92081	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	11.68	152	96941	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	106189	5.557 ug/L	99
3) Chloromethane	1.25	50	107213	3.880 ug/L	99
5) Vinyl chloride	1.32	62	119270	5.556 ug/L	99
6) Bromomethane	1.54	94	21633	4.041 ug/L	99
8) Chloroethane	1.60	64	77951	5.404 ug/L	98
9) Trichlorofluoromethane	1.77	101	149813	5.708 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94853	5.746 ug/L	99
12) 1,1-Dichloroethene	2.14	96	85793	5.610 ug/L	97
13) Acetone	2.21	43	175179	61.804 ug/L	100
14) Carbon disulfide	2.32	76	251882	5.552 ug/L	96
15) Methyl Acetate	2.47	43	50852	5.961 ug/L	97
16) Methylene chloride	2.54	84	98423	5.381 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	241611	5.891 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	94418	5.667 ug/L	97
19) 1,1-Dichloroethane	3.23	63	187715	6.034 ug/L	99
21) 2-Butanone	4.05	43	263780	60.897 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	93907	5.251 ug/L	98

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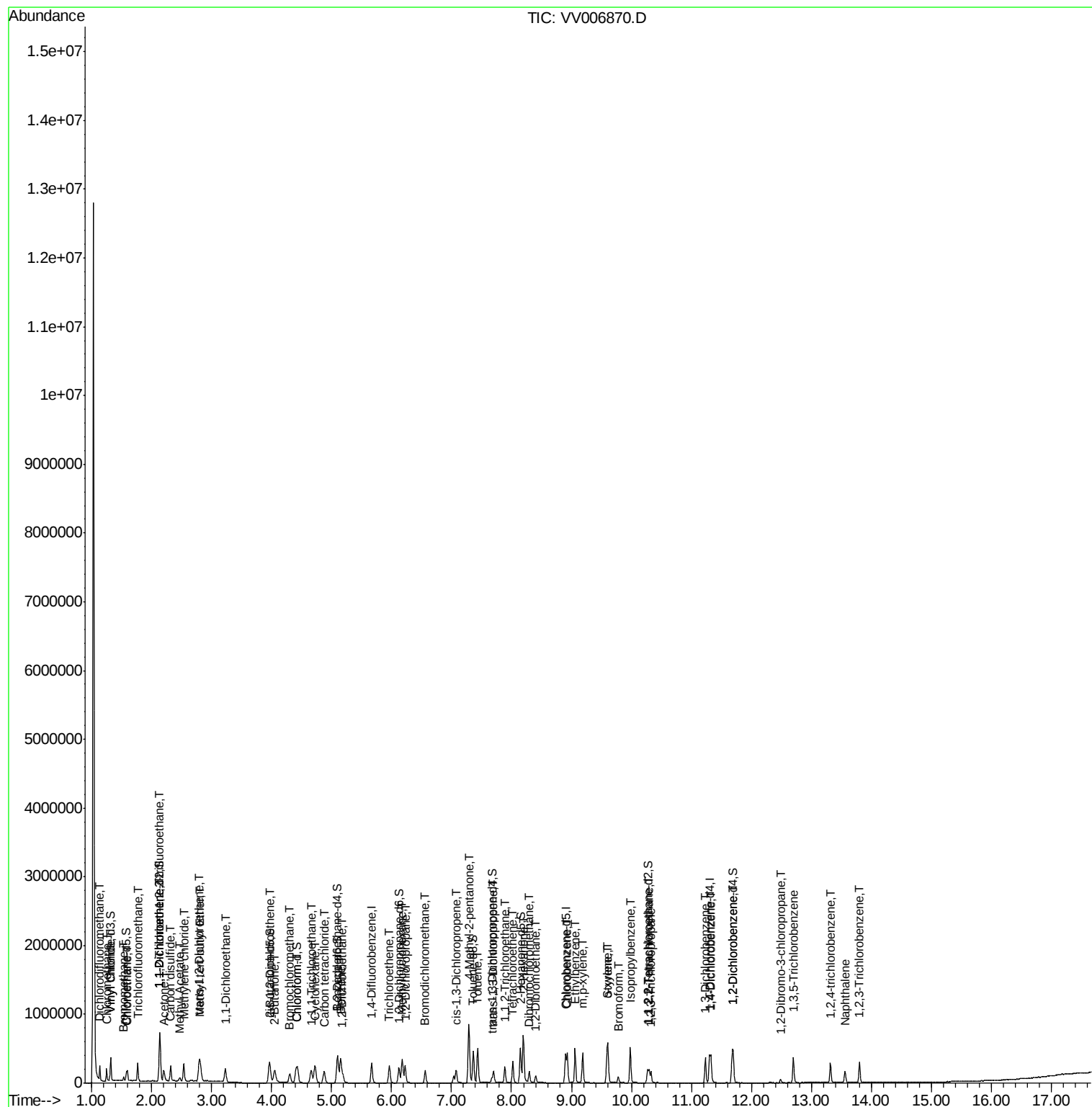
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	44568	5.729	ug/L	95
25) Chloroform	4.43	83	174819	5.778	ug/L	99
27) 1,2-Dichloroethane	5.19	62	108482	5.894	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	145232	5.452	ug/L	99
30) Cyclohexane	4.73	56	123000	4.458	ug/L	99
31) Carbon tetrachloride	4.88	117	121161	5.524	ug/L	97
33) Benzene	5.15	78	358104	5.072	ug/L	100
34) Trichloroethene	5.96	95	87481	4.868	ug/L	98
35) Methylcyclohexane	6.18	83	121775	4.267	ug/L	96
37) 1,2-Dichloropropane	6.23	63	100131	5.408	ug/L	98
38) Bromodichloromethane	6.56	83	121113	5.747	ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	112886	4.722	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	584022	56.997	ug/L	98
42) Toluene	7.44	91	357368	5.145	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	99486	5.054	ug/L	93
45) 1,1,2-Trichloroethane	7.89	97	73946	5.524	ug/L	97
47) Tetrachloroethene	8.02	164	71967	5.026	ug/L	96
48) 2-Hexanone	8.20	43	440342	63.335	ug/L	98
49) Dibromochloromethane	8.30	129	78753	5.820	ug/L	96
50) 1,2-Dibromoethane	8.40	107	64455	5.650	ug/L #	96
51) Chlorobenzene	8.93	112	225510	5.044	ug/L	99
52) Ethylbenzene	9.06	91	332090	4.577	ug/L	98
53) m,p-xylene	9.19	106	123809	4.597	ug/L	96
54) o-xylene	9.59	106	116609	4.290	ug/L	99
55) Styrene	9.61	104	193722	4.536	ug/L	99
56) Isopropylbenzene	9.98	105	315306	4.560	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	93059	5.744	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	66016	5.799	ug/L	99
61) Bromoform	9.78	173	40500	5.892	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	153984	4.826	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	155844	4.938	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	159024	5.079	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	12945	5.946	ug/L	85
67) 1,3,5-Trichlorobenzene	12.70	180	119810	4.882	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	88362	4.635	ug/L	98
69) Naphthalene	13.56	128	140176	4.219	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	89359	4.856	ug/L	97

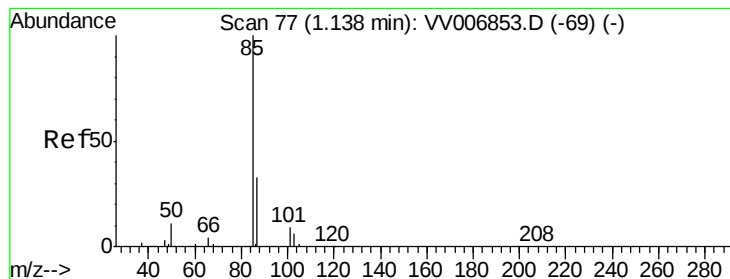
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.557 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

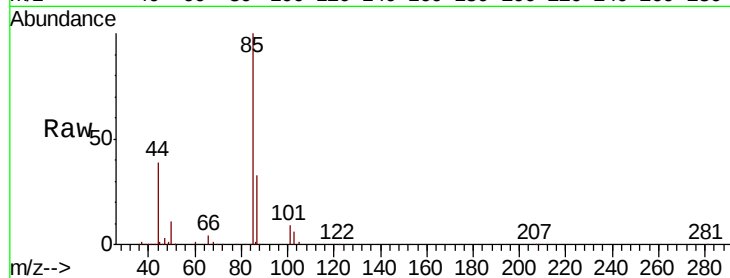
ClientSampleId :

Tot Ion: 85 Resp: 106189

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV006853.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV006870.D (-19) (-)

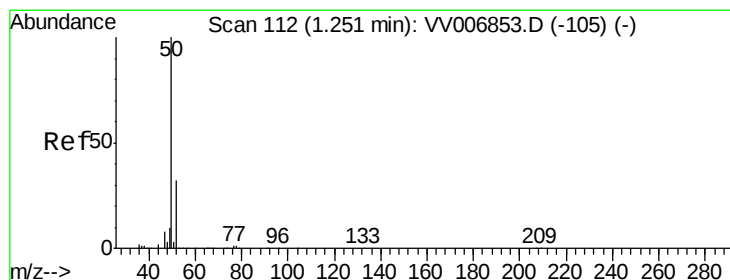
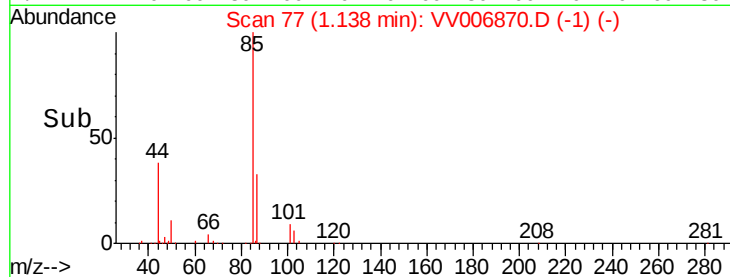
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.880 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV006870.D

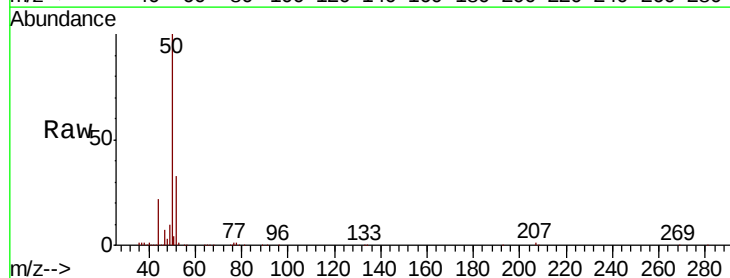
Acq: 04 Aug 2018 02:30

Tgt Ion: 50 Resp: 107213

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV006853.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006870.D (-19) (-)

1.25

120000

100000

80000

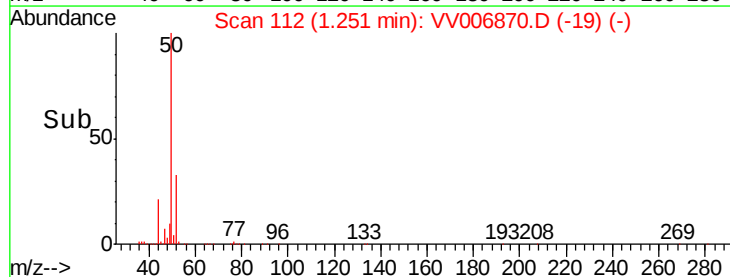
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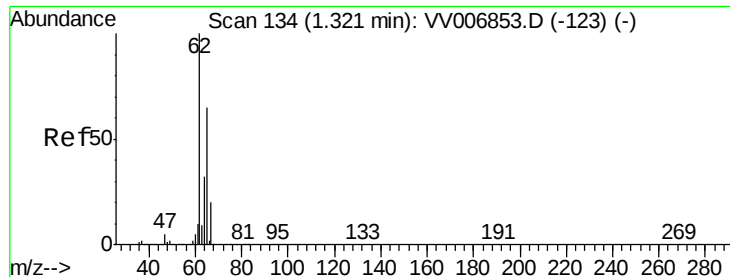
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 5.556 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

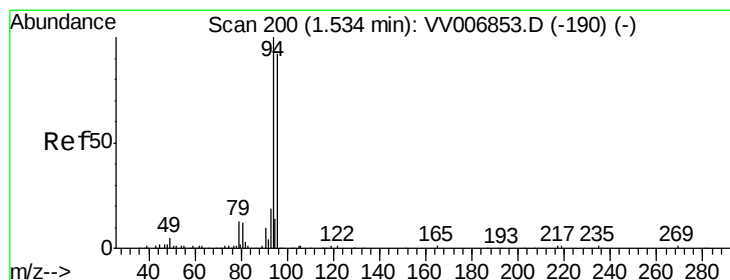
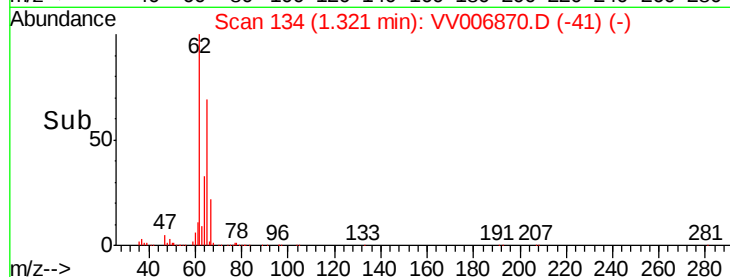
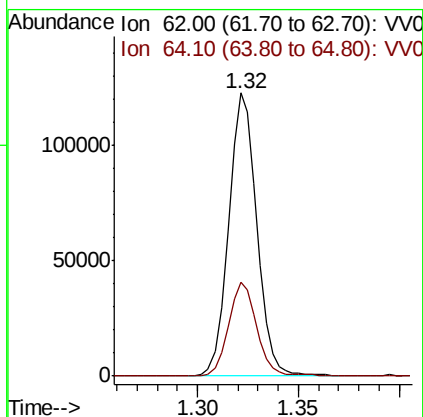
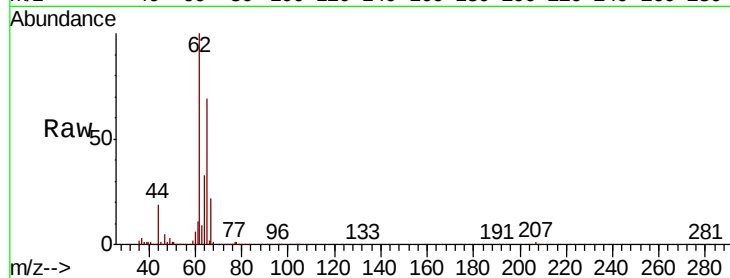
ClientSampled :

Tot Ion: 62 Resp: 119270

Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



#6

Bromomethane

Concen: 4.041 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006870.D

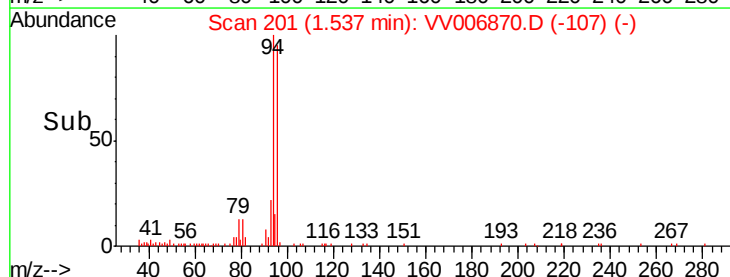
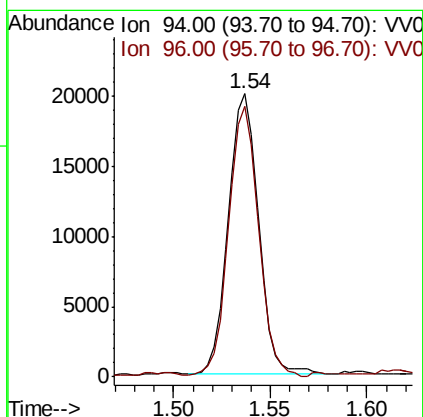
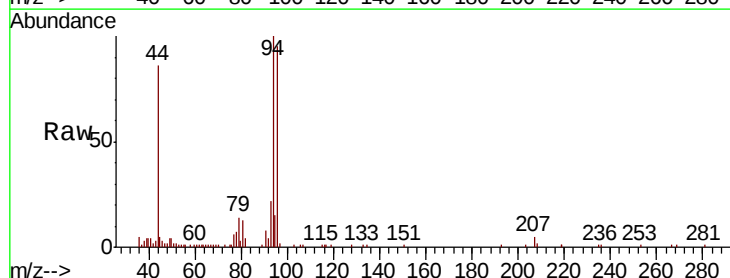
Acq: 04 Aug 2018 02:30

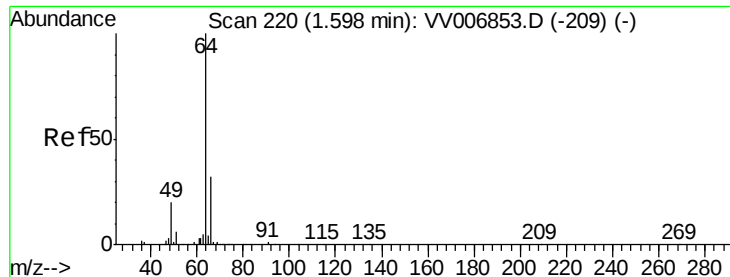
Tgt Ion: 94 Resp: 21633

Ion Ratio Lower Upper

94 100

96 95.5 66.2 123.0





#8

Chloroethane

Concen: 5.404 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

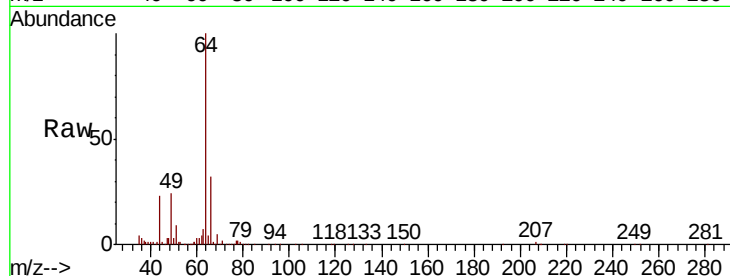
ClientSampleId :

Tot Ion: 64 Resp: 77951

Ion Ratio Lower Upper

64 100

66 31.6 23.0 42.6



Abundance Ion 64.10 (63.80 to 64.80): VV006870.D (-127) (-)

Ion 66.05 (65.75 to 66.75): VV006870.D (-127) (-)

1.60

80000

60000

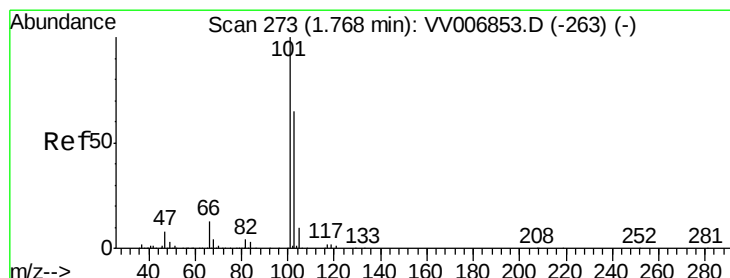
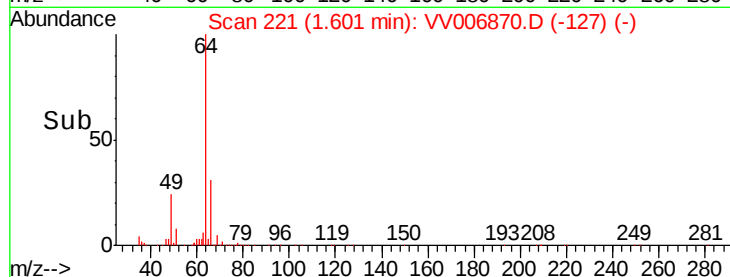
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.708 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006870.D

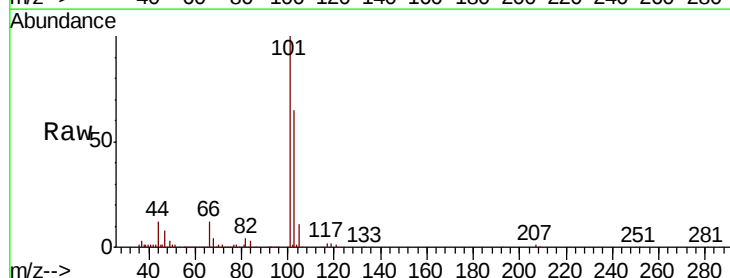
Acq: 04 Aug 2018 02:30

Tgt Ion: 101 Resp: 149813

Ion Ratio Lower Upper

101 100

103 65.6 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV006870.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006870.D (-180) (-)

1.77

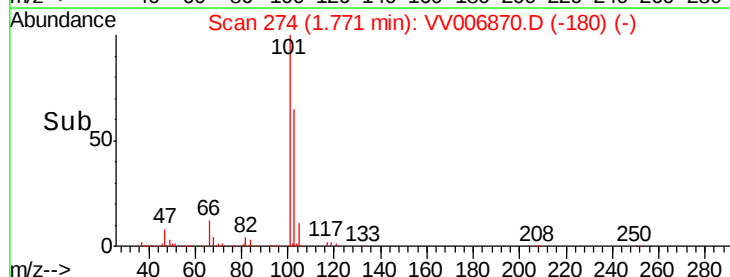
100000

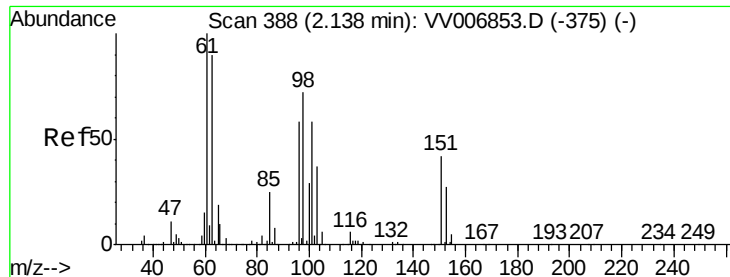
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.746 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampleId :

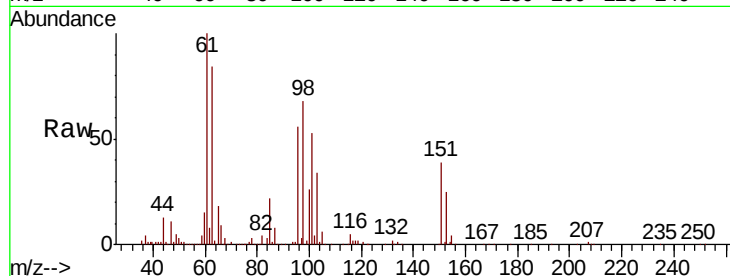
Tot Ion:101 Resp: 94853

Ion Ratio Lower Upper

101 100

85 41.4 33.3 49.9

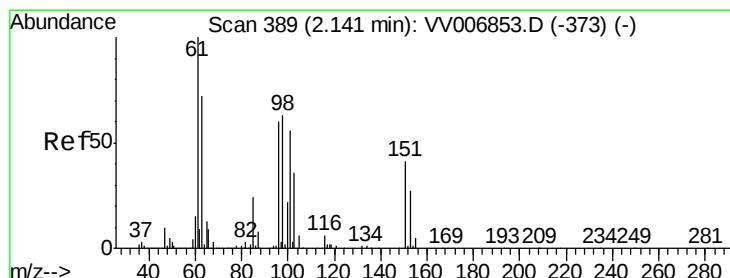
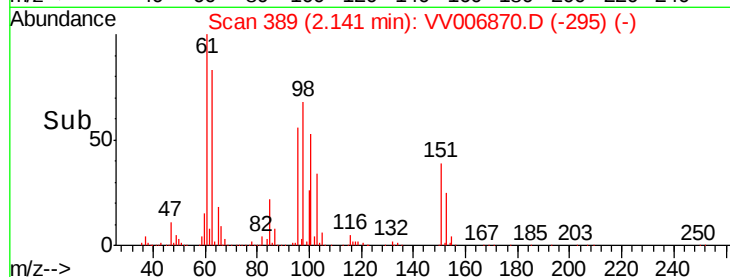
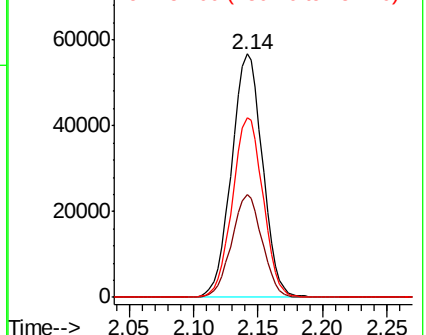
151 73.1 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.610 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

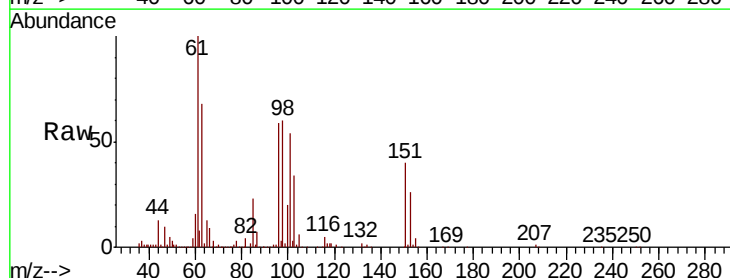
Tgt Ion: 96 Resp: 85793

Ion Ratio Lower Upper

96 100

61 169.7 115.3 214.1

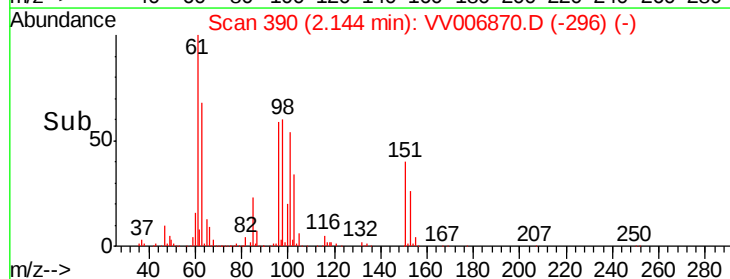
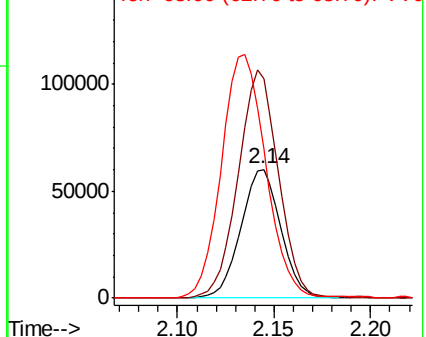
63 115.1 81.9 152.1

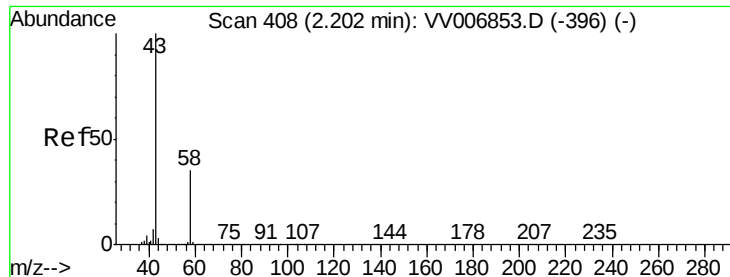


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 61.804 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

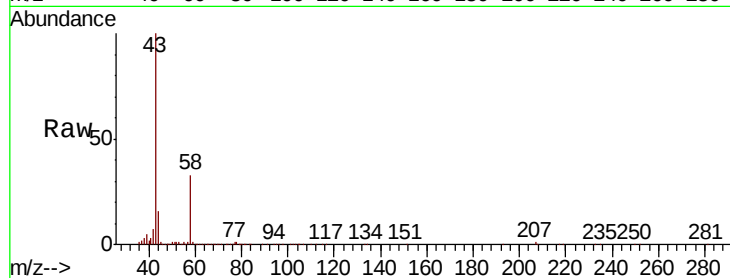
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 175179

Ion Ratio Lower Upper

43 100

58 34.4 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006870.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VV006870.D (-315) (-)

2.21

100000

80000

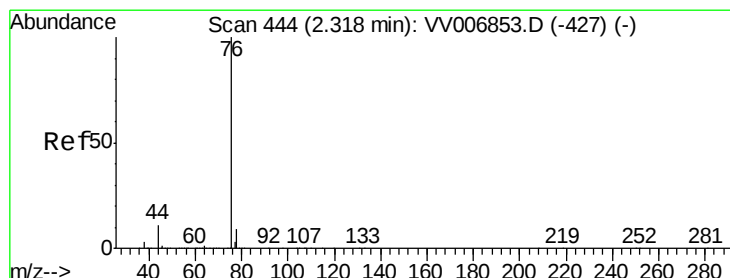
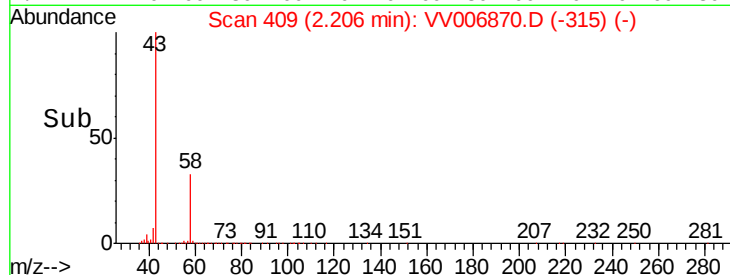
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.552 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006870.D

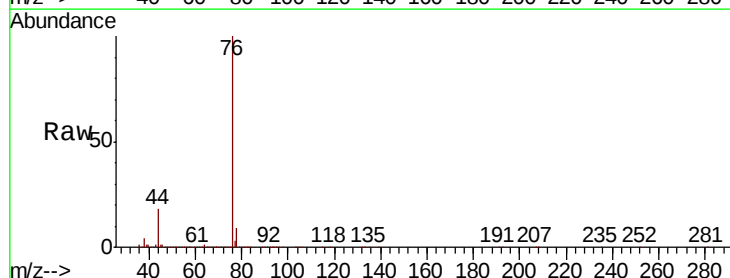
Acq: 04 Aug 2018 02:30

Tgt Ion: 76 Resp: 251882

Ion Ratio Lower Upper

76 100

78 9.3 8.7 13.1



Abundance Ion 76.05 (75.75 to 76.75): VV006870.D (-351) (-)

Ion 78.00 (77.70 to 78.70): VV006870.D (-351) (-)

2.32

200000

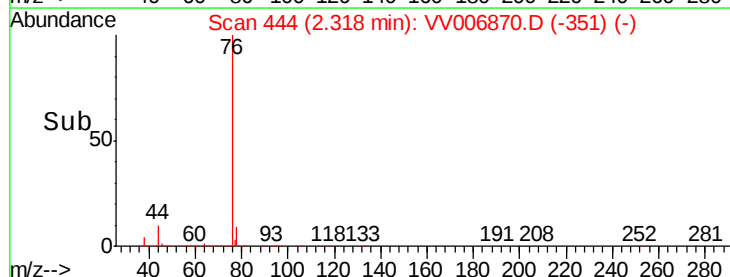
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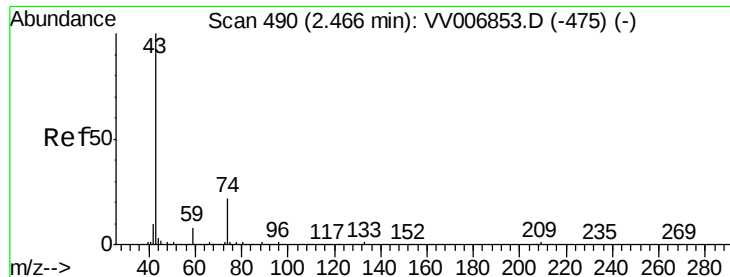
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50000

0

Time--> 2.25 2.30 2.35 2.40

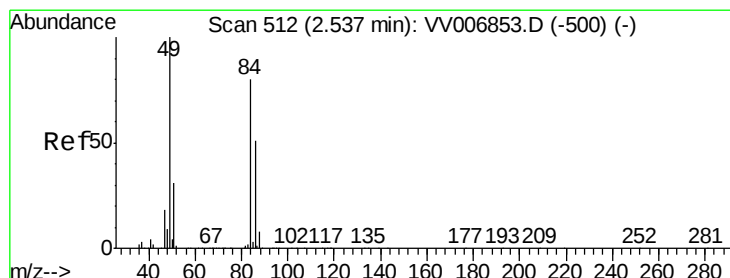
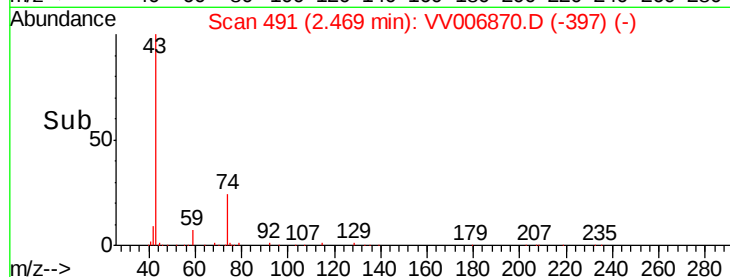
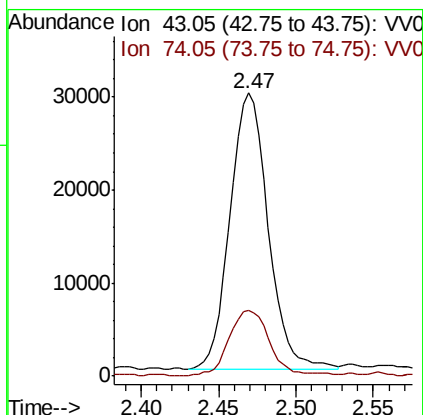
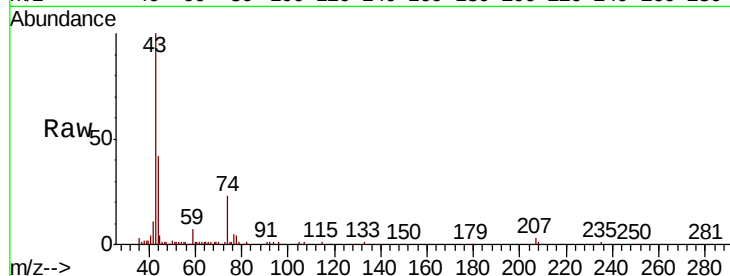




#15
Methvl Acetate
Concen: 5.961 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

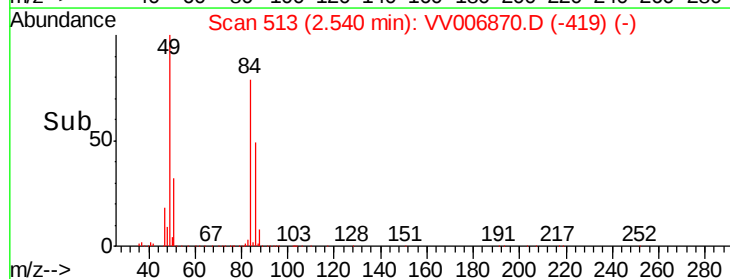
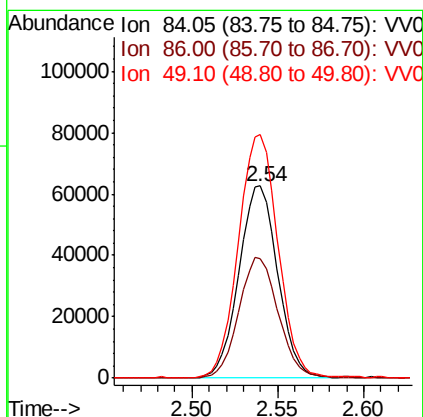
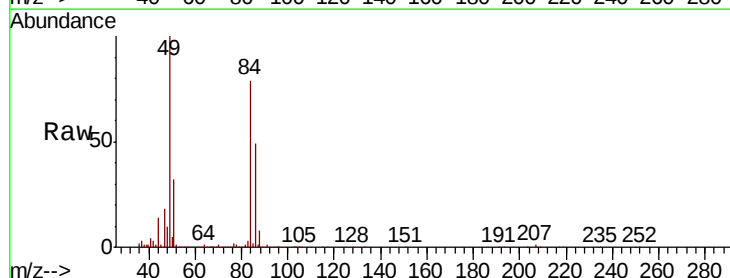
Instrument :
MSVOA_V
ClientSampleId :

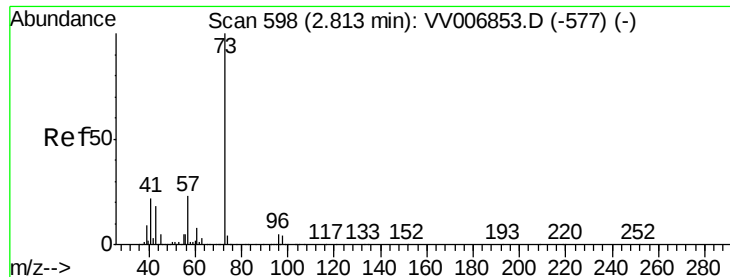
Tot Ion: 43 Resp: 50852
Ion Ratio Lower Upper
43 100
74 24.3 18.3 27.5



#16
Methylene chloride
Concen: 5.381 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Tgt Ion: 84 Resp: 98423
Ion Ratio Lower Upper
84 100
86 62.4 43.8 81.3
49 126.9 85.3 158.5

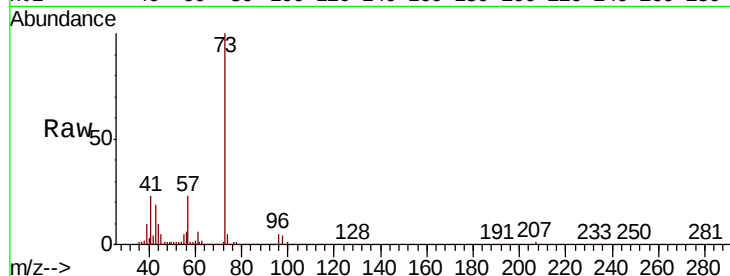




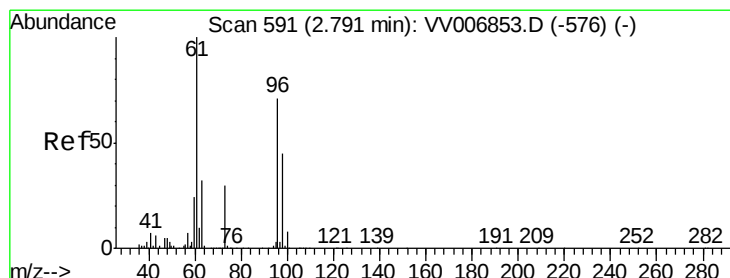
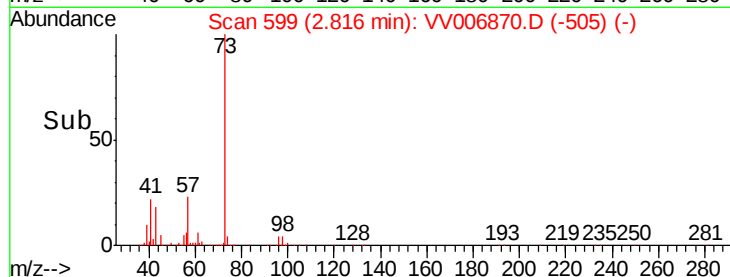
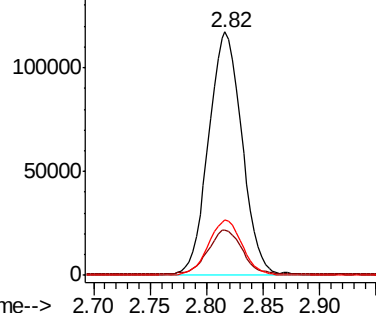
#17
Methvl tert-butvl Ether
Concen: 5.891 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 241611
Ion Ratio Lower Upper
73 100
43 18.2 14.6 22.0
57 23.0 18.0 27.0

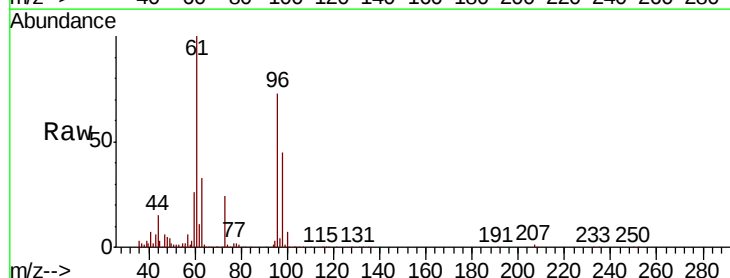


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

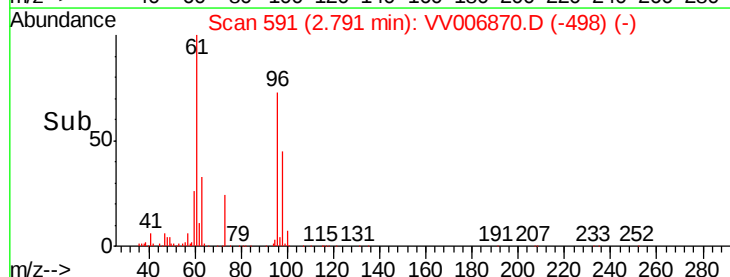
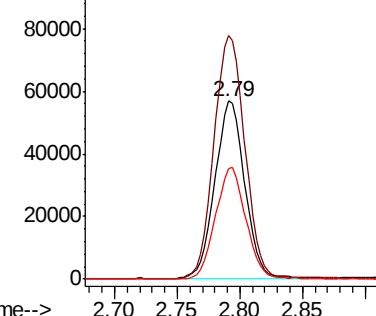


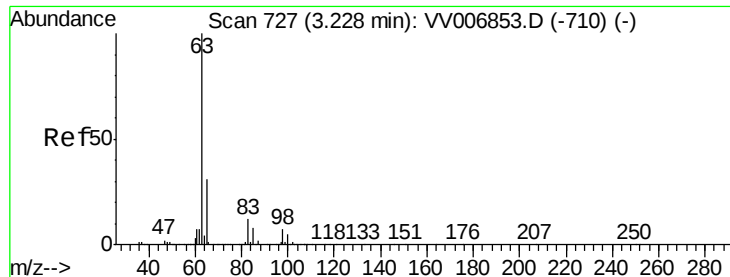
#18
trans-1,2-Dichloroethene
Concen: 5.667 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Tgt Ion: 96 Resp: 94418
Ion Ratio Lower Upper
96 100
61 136.9 99.0 183.8
98 62.3 42.8 79.4



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: 6.034 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampleId :

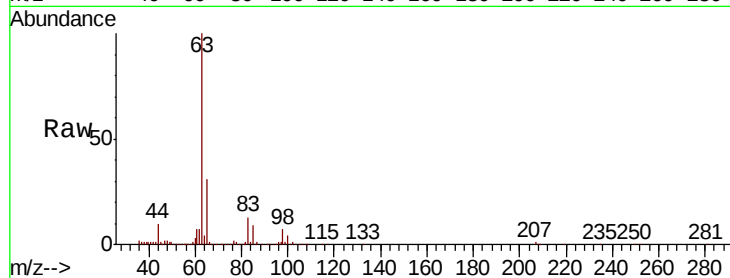
Tot Ion: 63 Resp: 187715

Ion Ratio Lower Upper

63 100

65 30.6 22.2 41.2

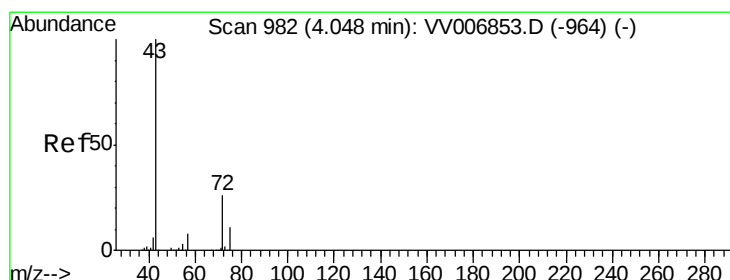
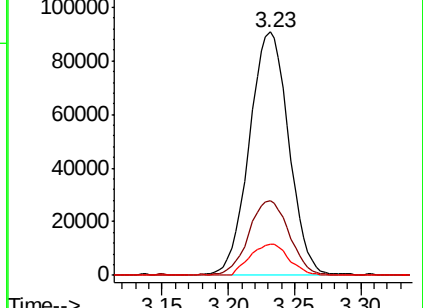
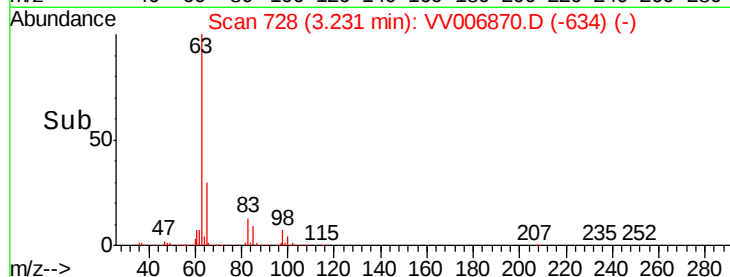
83 12.8 9.0 16.6



Abundance Ion 63.10 (62.80 to 63.80): VV006870.D (-634) (-)

Ion 65.10 (64.80 to 65.80): VV006870.D (-634) (-)

Ion 83.05 (82.75 to 83.75): VV006870.D (-634) (-)



#21

2-Butanone

Concen: 60.897 ug/L

RT: 4.05 min Scan# 984

Delta R.T. 0.01 min

Lab File: VV006870.D

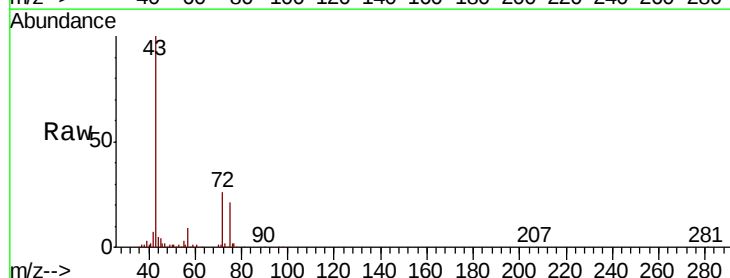
Acq: 04 Aug 2018 02:30

Tgt Ion: 43 Resp: 263780

Ion Ratio Lower Upper

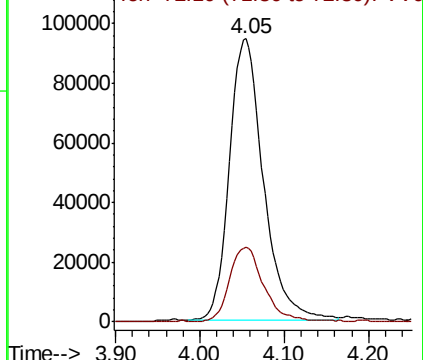
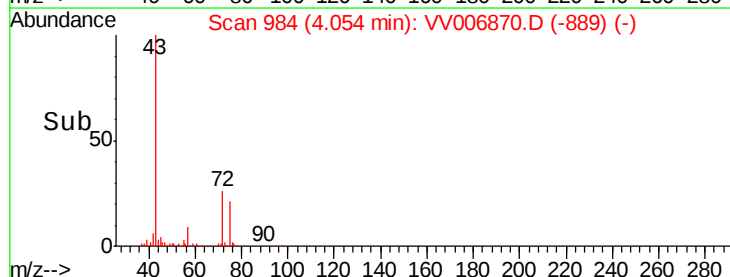
43 100

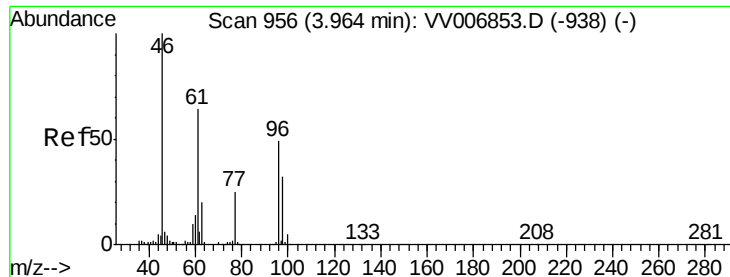
72 27.2 13.4 40.1



Abundance Ion 43.05 (42.75 to 43.75): VV006870.D (-889) (-)

Ion 72.10 (71.80 to 72.80): VV006870.D (-889) (-)



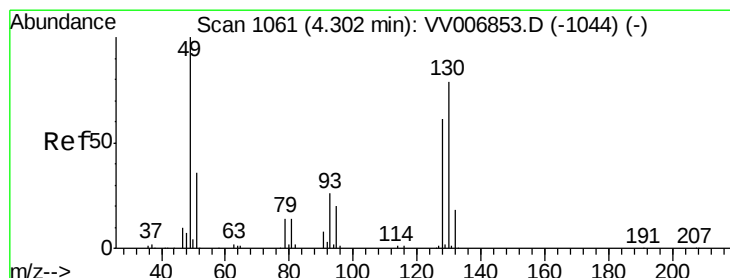
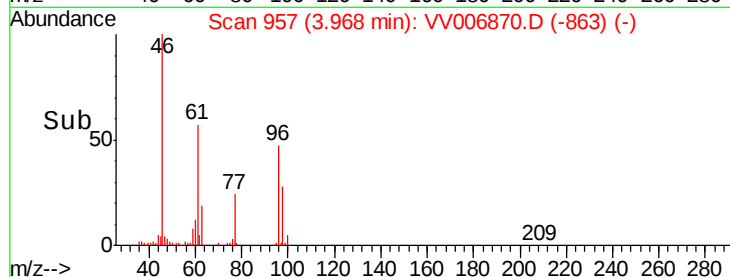
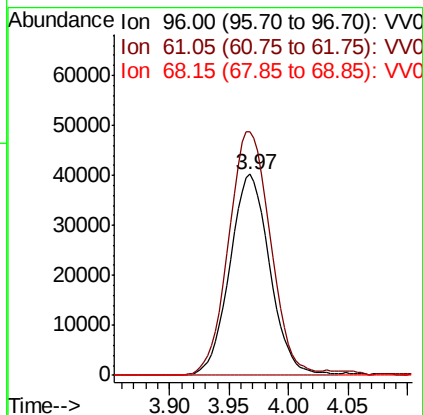
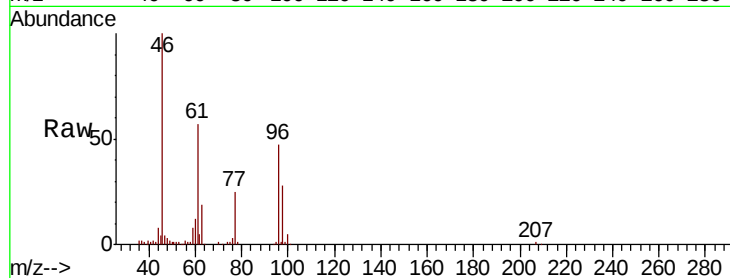


#22

cis-1,2-Dichloroethene
Concen: 5.251 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Instrument :
MSVOA_V
ClientSampleId :

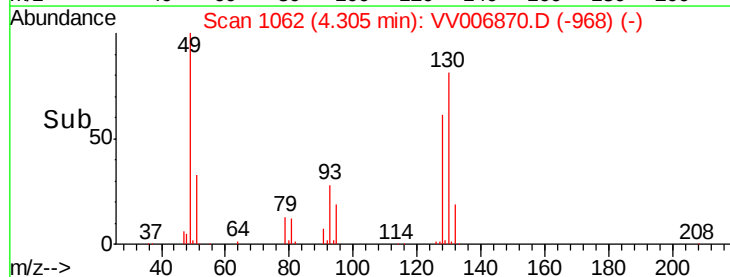
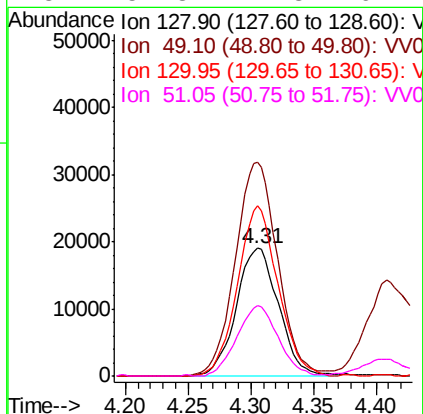
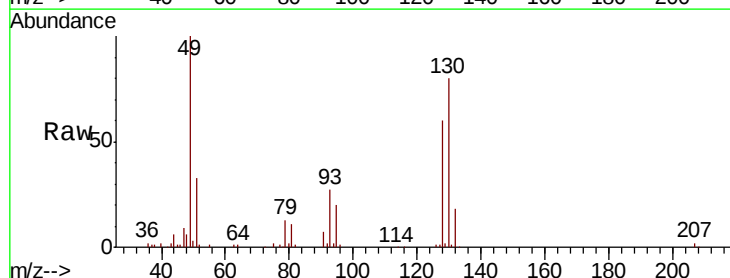
Tot Ion: 96 Resp: 93907
Ion Ratio Lower Upper
96 100
61 120.9 86.6 160.8
68 0.0 0.0 0.0

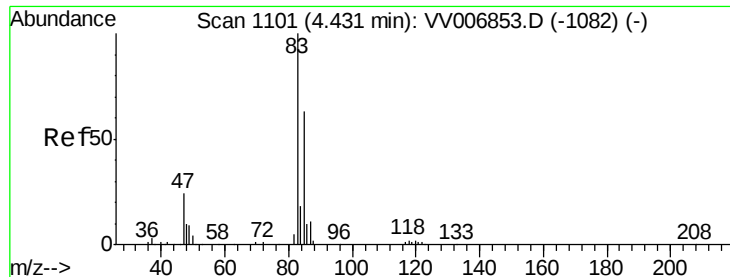


#23

Bromochloromethane
Concen: 5.729 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Tgt Ion: 128 Resp: 44568
Ion Ratio Lower Upper
128 100
49 167.1 113.3 210.5
130 133.0 87.1 161.7
51 54.8 44.8 67.2





#25

Chloroform

Concen: 5.778 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

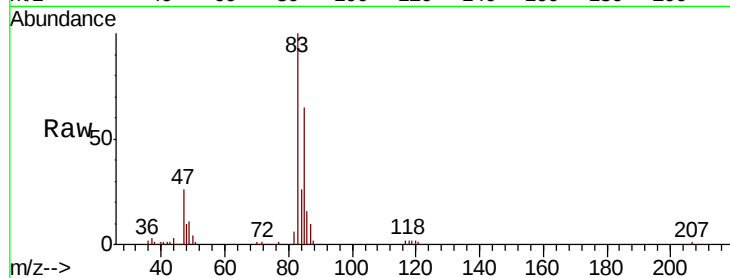
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 174819

Ion Ratio Lower Upper

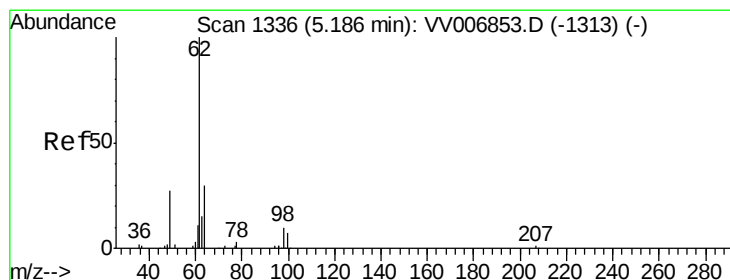
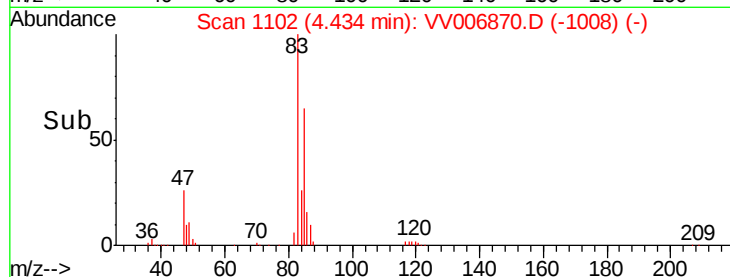
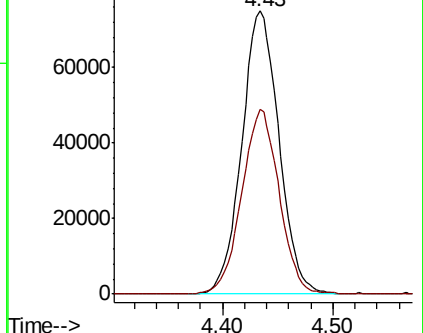
83 100

85 65.3 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VV006853.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV006870.D (-1008) (-)



#27

1,2-Dichloroethane

Concen: 5.894 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006870.D

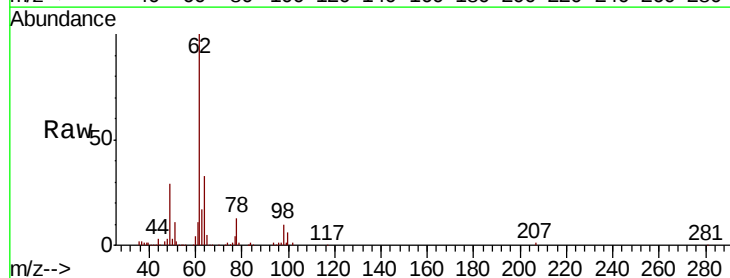
Acq: 04 Aug 2018 02:30

Tgt Ion: 62 Resp: 108482

Ion Ratio Lower Upper

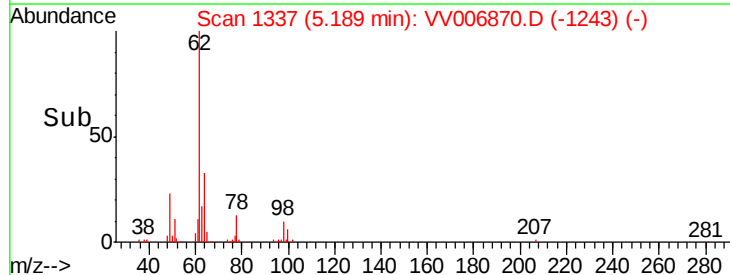
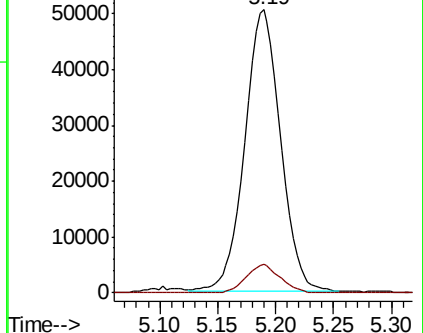
62 100

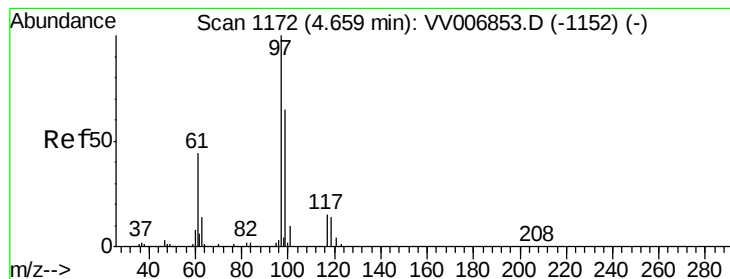
98 10.1 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006853.D (-1313) (-)

Ion 98.05 (97.75 to 98.75): VV006870.D (-1243) (-)





#29

1,1,1-Trichloroethane

Concen: 5.452 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampleId :

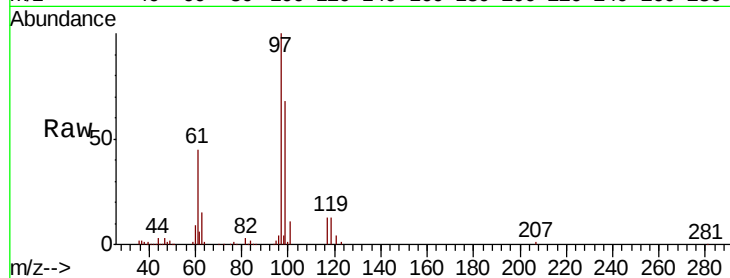
Tot Ion: 97 Resp: 145232

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

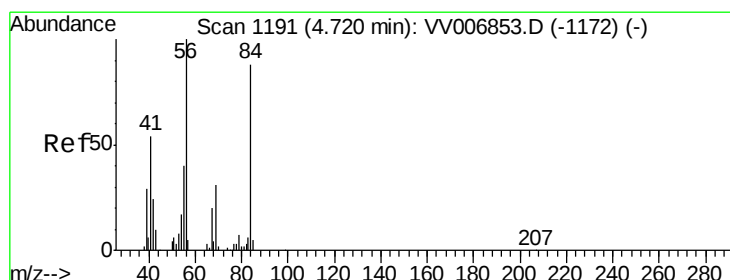
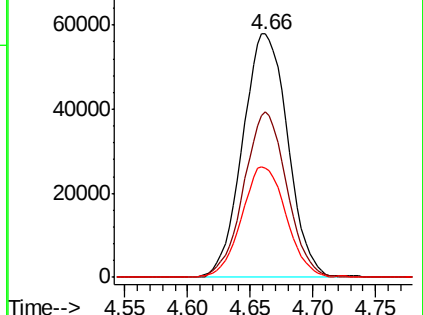
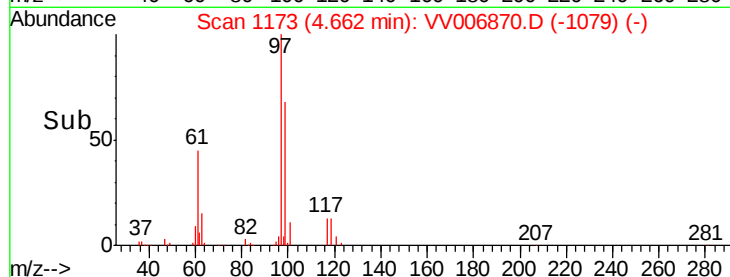
61 44.8 34.8 52.2



Abundance Ion 96.95 (96.65 to 97.65): VV006870.D (-1079) (-)

Ion 99.05 (98.75 to 99.75): VV006870.D (-1079) (-)

Ion 61.05 (60.75 to 61.75): VV006870.D (-1079) (-)



#30

Cyclohexane

Concen: 4.458 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

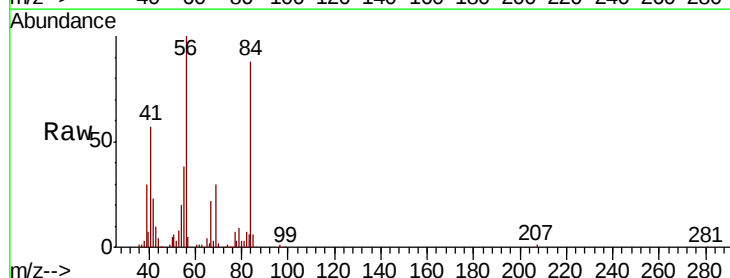
Tgt Ion: 56 Resp: 123000

Ion Ratio Lower Upper

56 100

69 29.5 24.4 36.6

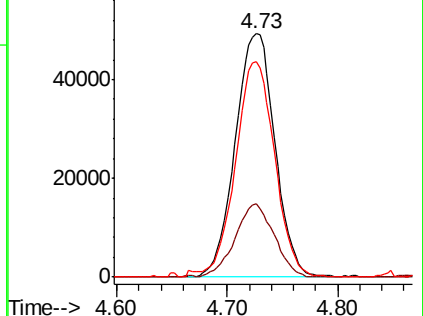
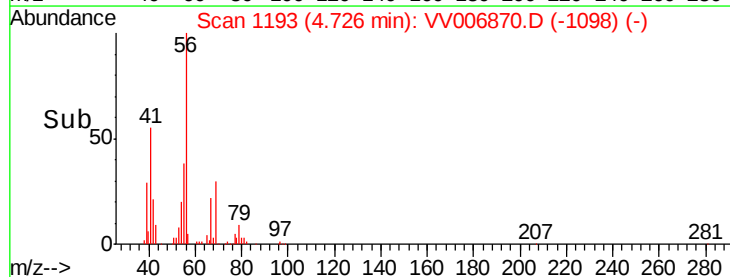
84 87.0 69.4 104.2

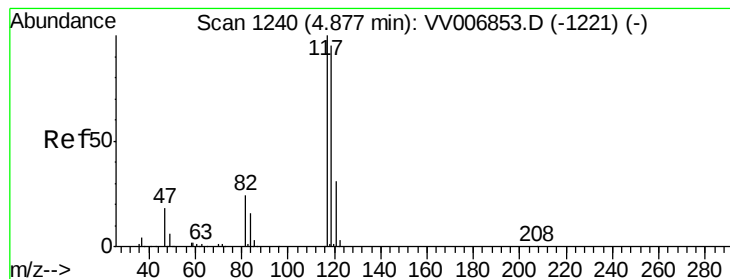


Abundance Ion 56.10 (55.80 to 56.80): VV006870.D (-1098) (-)

Ion 69.15 (68.85 to 69.85): VV006870.D (-1098) (-)

Ion 84.15 (83.85 to 84.85): VV006870.D (-1098) (-)





#31

Carbon tetrachloride

Concen: 5.524 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

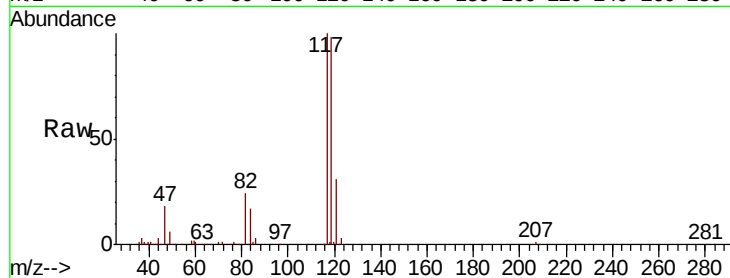
ClientSampleId :

Tot Ion:117 Resp: 121161

Ion Ratio Lower Upper

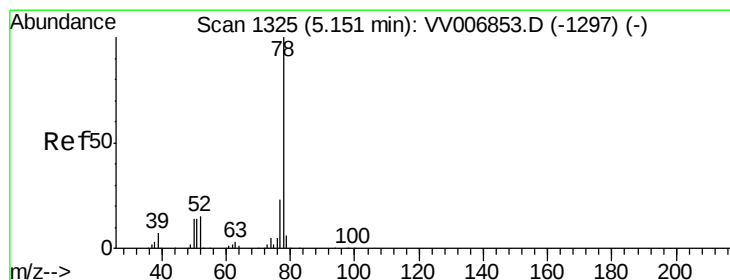
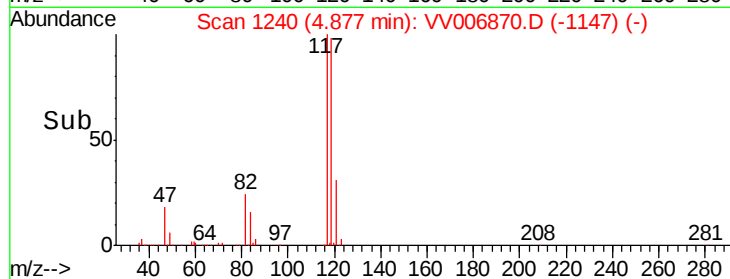
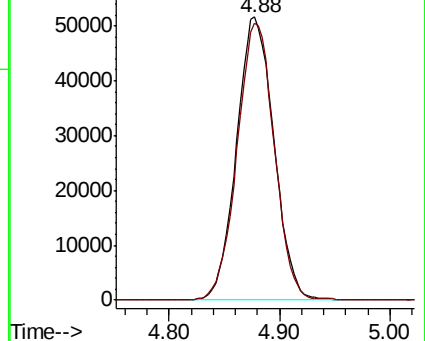
117 100

119 97.0 75.1 112.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.072 ug/L

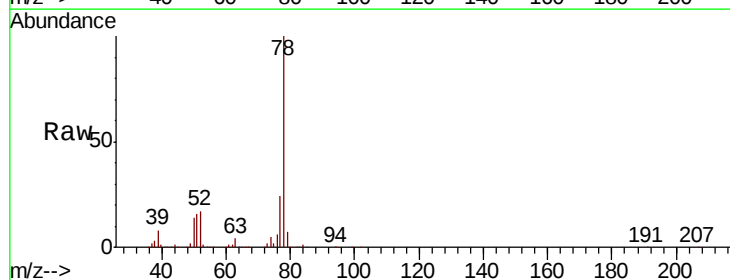
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

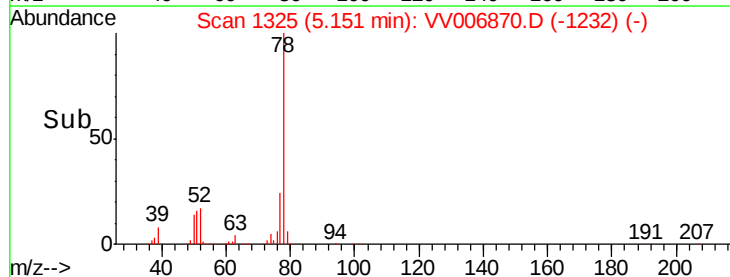
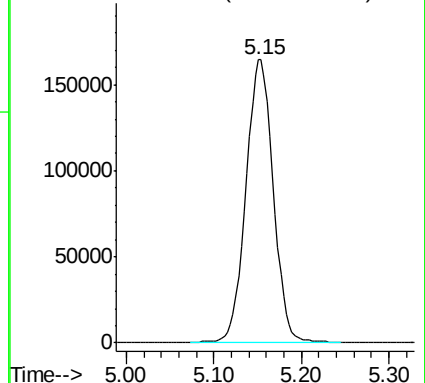
Lab File: VV006870.D

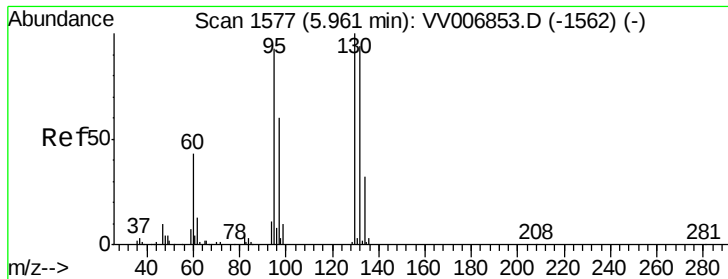
Acq: 04 Aug 2018 02:30

Tgt Ion: 78 Resp: 358104



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.868 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 87481

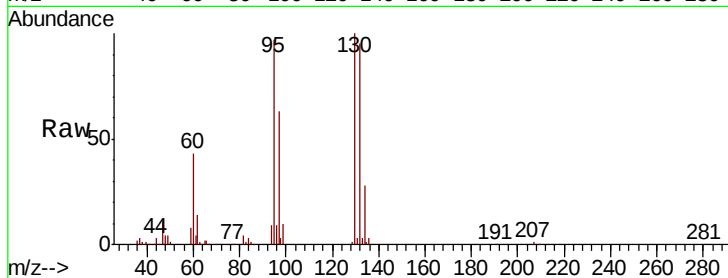
Ion Ratio Lower Upper

95 100

97 64.7 46.3 86.1

132 97.9 72.0 133.6

130 103.2 72.4 134.4

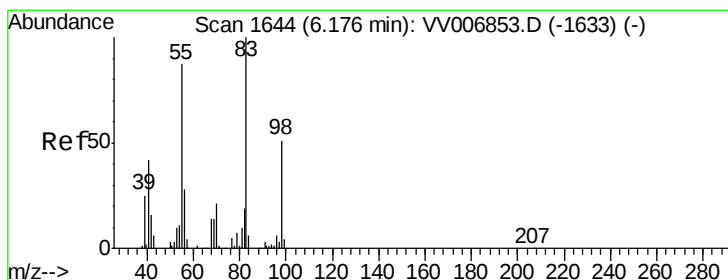
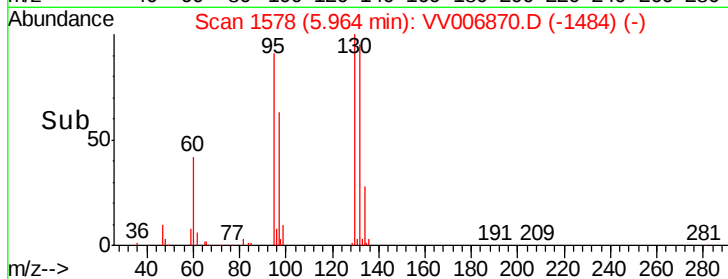
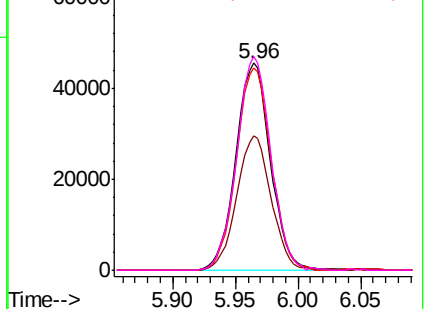


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.267 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

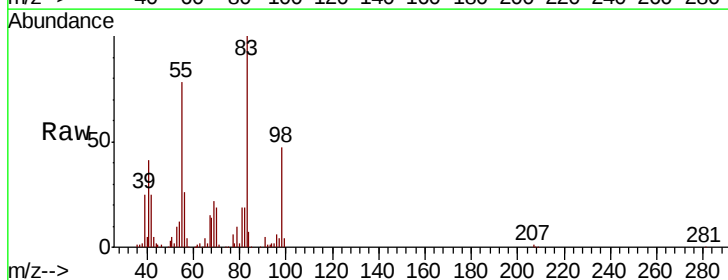
Tgt Ion: 83 Resp: 121775

Ion Ratio Lower Upper

83 100

55 81.7 61.8 92.6

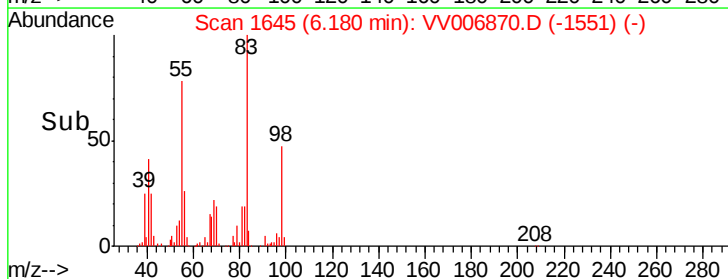
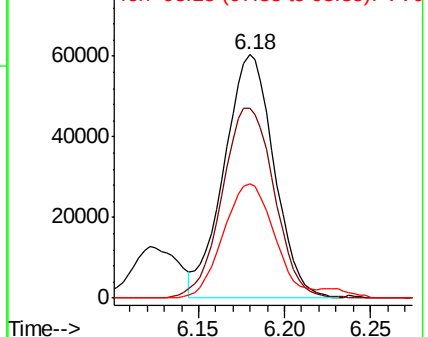
98 48.2 37.2 55.8

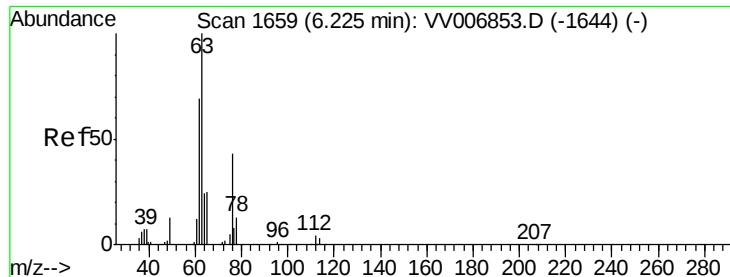


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.408 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

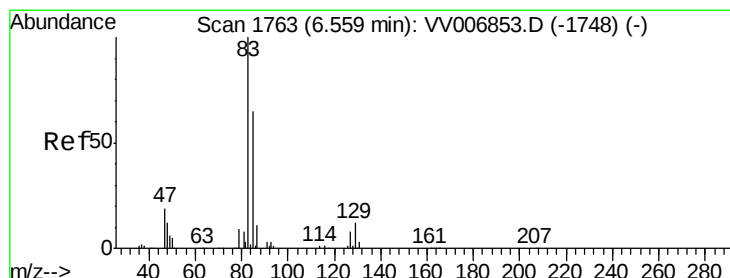
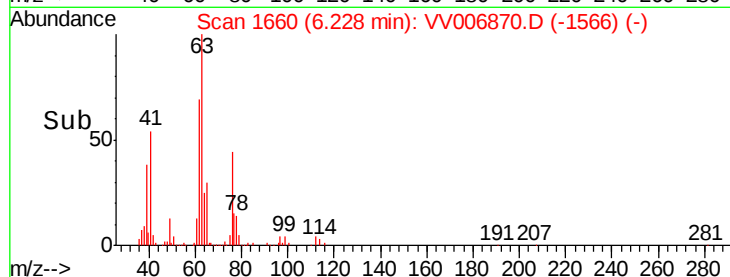
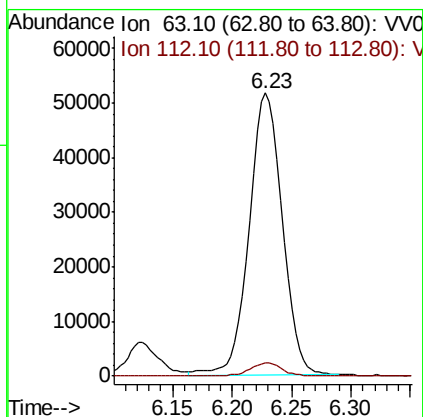
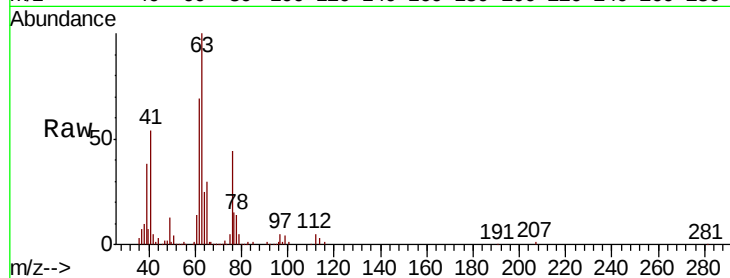
ClientSampleId :

Tot Ion: 63 Resp: 100131

Ion Ratio Lower Upper

63 100

112 4.5 3.0 4.6



#38

Bromodichloromethane

Concen: 5.747 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

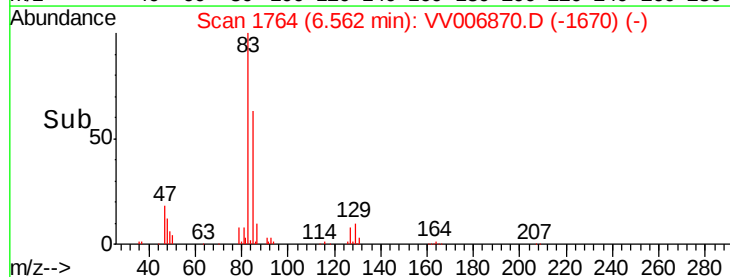
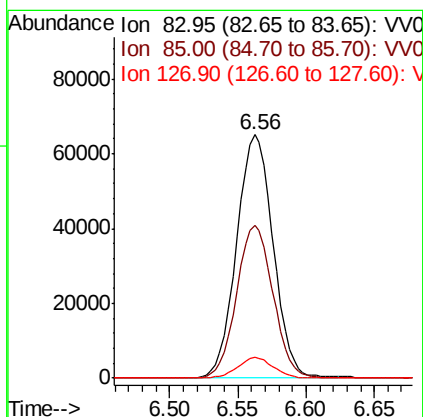
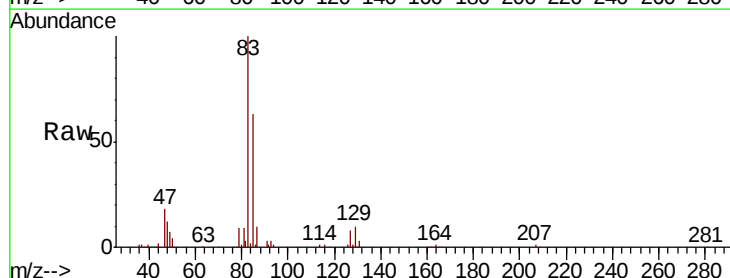
Tgt Ion: 83 Resp: 121113

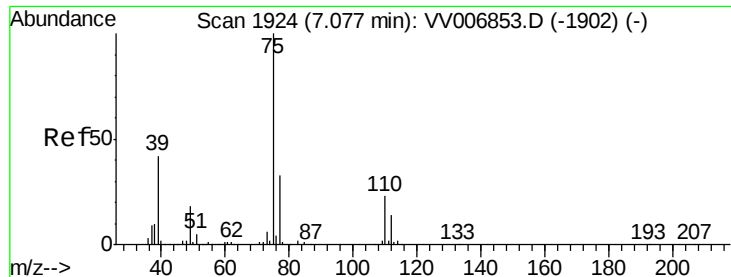
Ion Ratio Lower Upper

83 100

85 62.6 46.7 86.7

127 8.4 6.4 9.6

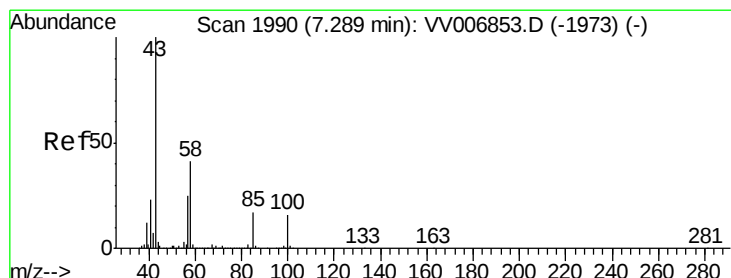
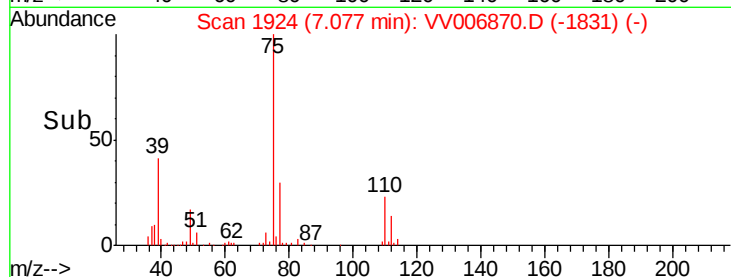
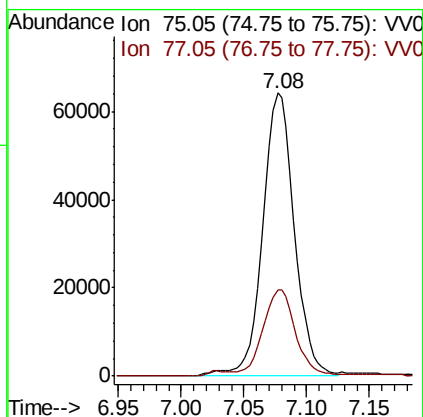
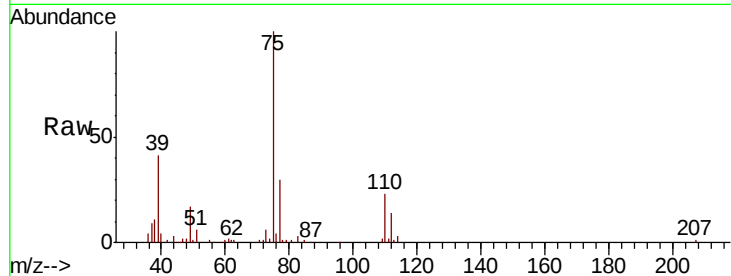




#39
 cis-1,3-Dichloropropene
 Concen: 4.722 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006870.D
 Acq: 04 Aug 2018 02:30

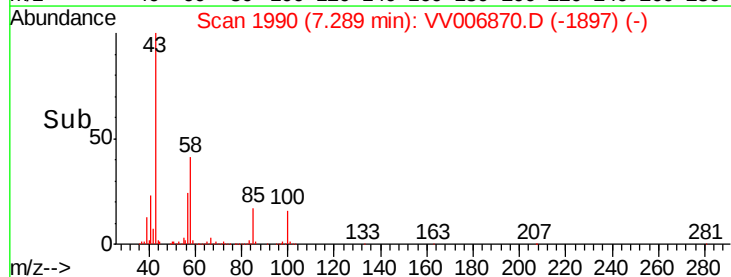
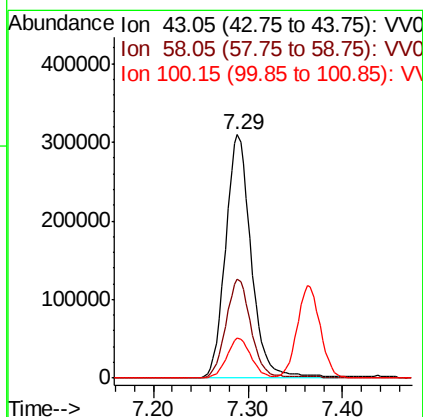
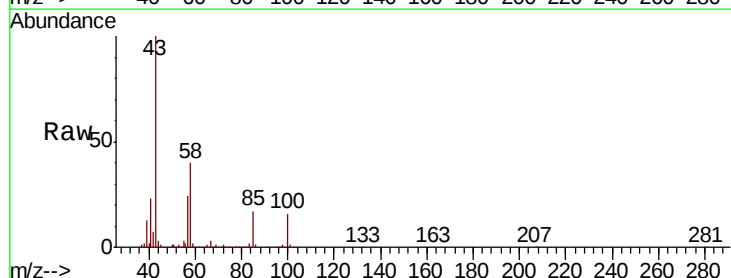
Instrument :
 MSVOA_V
 ClientSampleId :

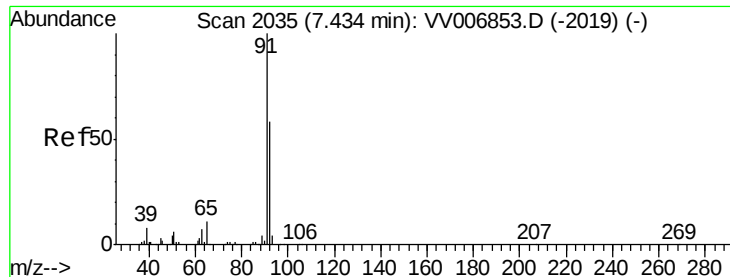
Tot Ion: 75 Resp: 112886
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 56.997 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV006870.D
 Acq: 04 Aug 2018 02:30

Tgt Ion: 43 Resp: 584022
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.6 48.8
 100 15.5 13.1 19.7





#42

Toluene

Concen: 5.145 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

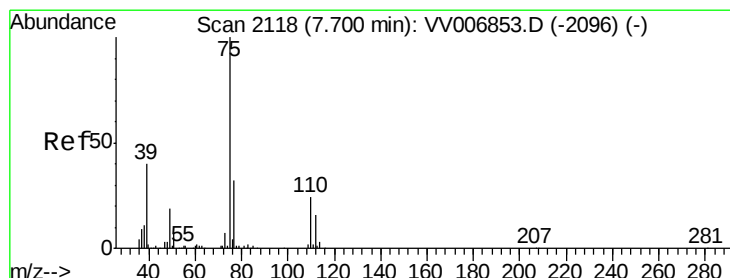
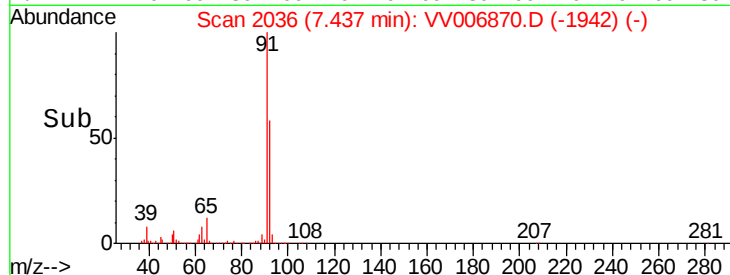
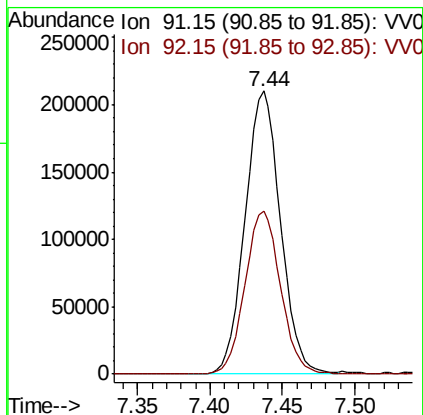
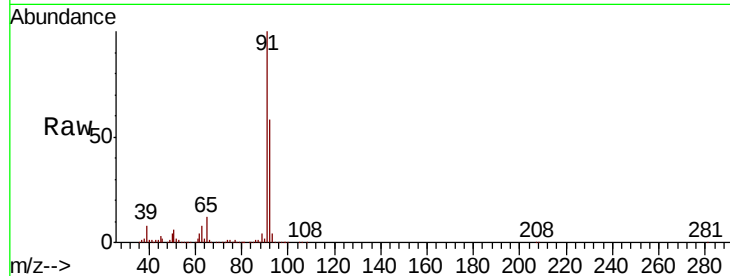
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 357368

Ion Ratio Lower Upper

91 100

92 57.8 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 5.054 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006870.D

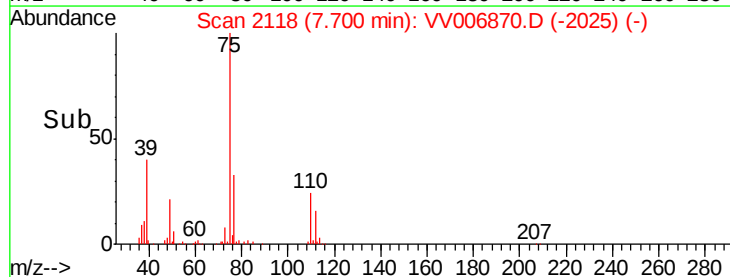
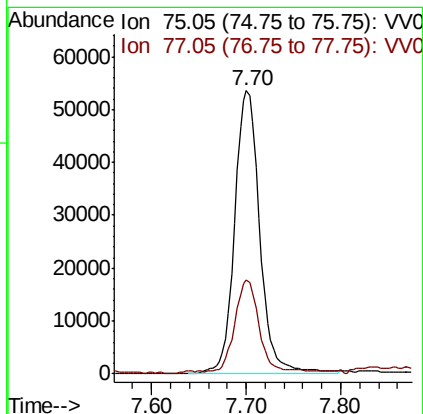
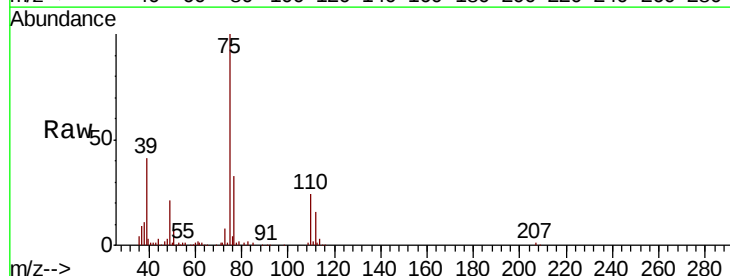
Acq: 04 Aug 2018 02:30

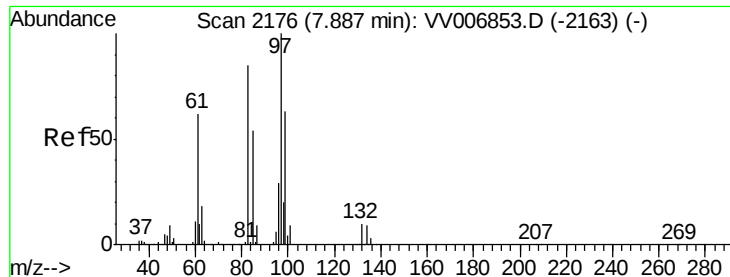
Tgt Ion: 75 Resp: 99486

Ion Ratio Lower Upper

75 100

77 33.3 20.5 38.1





#45

1,1,2-Trichloroethane

Concen: 5.524 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 73946

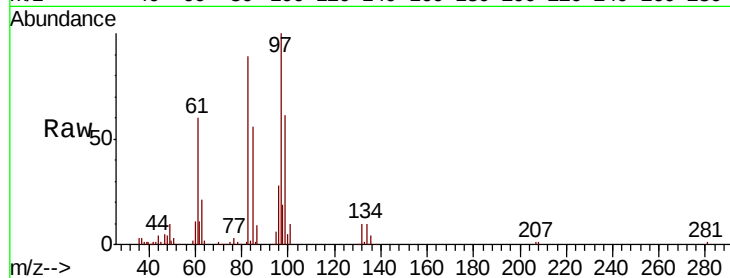
Ion Ratio Lower Upper

97 100

99 60.7 42.2 78.4

83 88.9 58.0 107.8

85 55.9 38.2 71.0

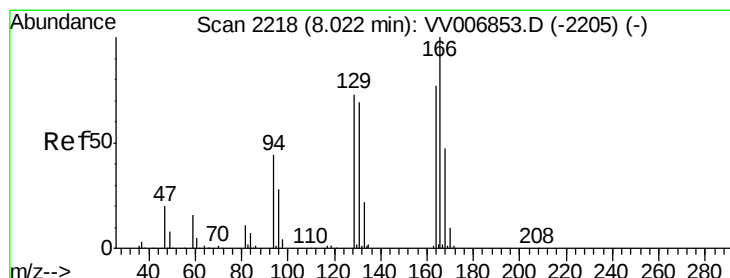
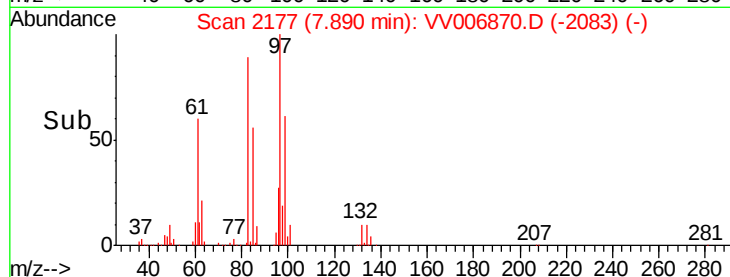
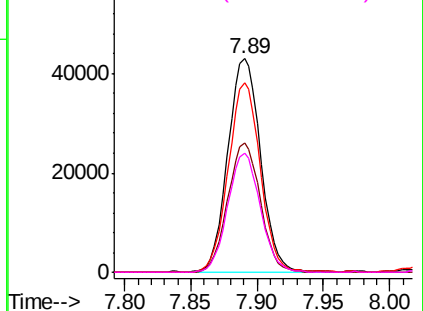


Abundance Ion 96.95 (96.65 to 97.65): VV006853.D (-2163) (-)

Ion 99.05 (98.75 to 99.75): VV006853.D (-2163) (-)

Ion 82.95 (82.65 to 83.65): VV006853.D (-2163) (-)

Ion 85.00 (84.70 to 85.70): VV006853.D (-2163) (-)



#47

Tetrachloroethene

Concen: 5.026 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Tgt Ion:164 Resp: 71967

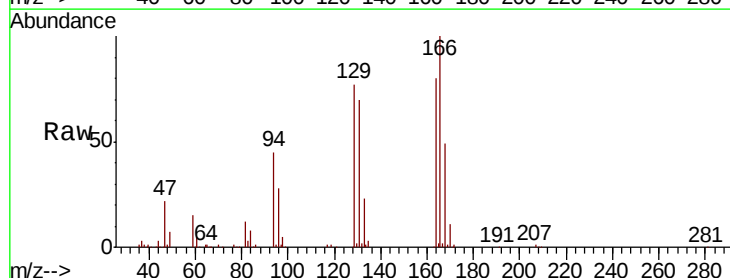
Ion Ratio Lower Upper

164 100

129 96.8 61.1 113.5

131 87.2 59.1 109.7

166 125.0 88.3 163.9

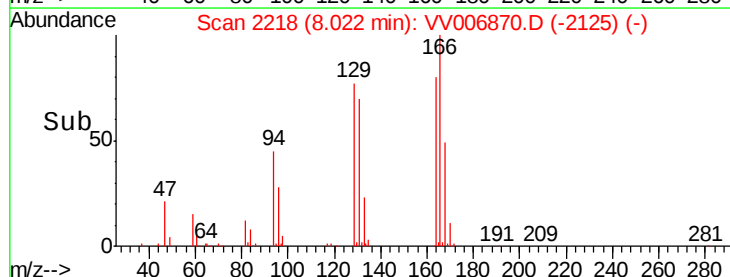
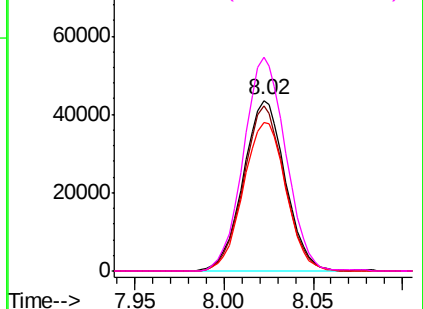


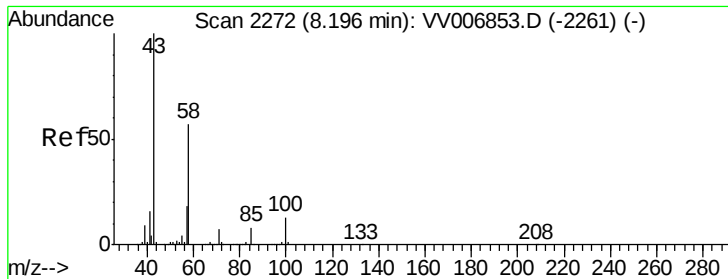
Abundance Ion 163.90 (163.60 to 164.60): VV006853.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VV006853.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VV006853.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VV006853.D (-2205) (-)

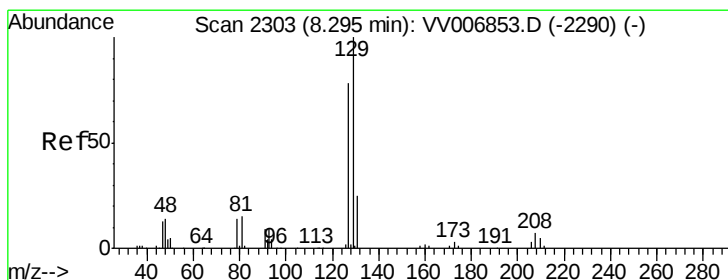
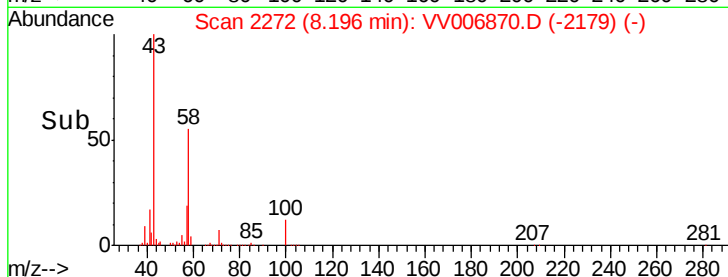
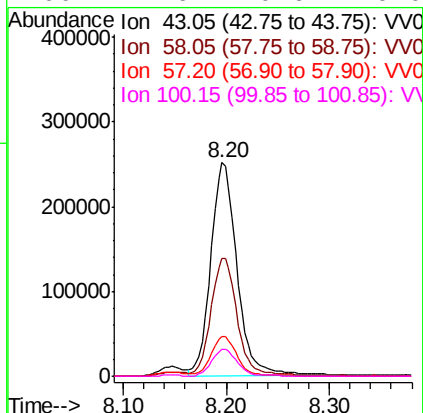
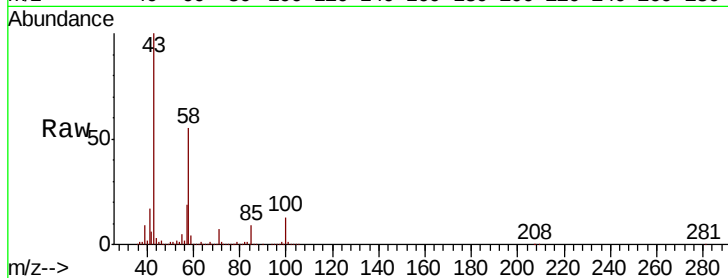




#48
2-Hexanone
Concen: 63.335 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

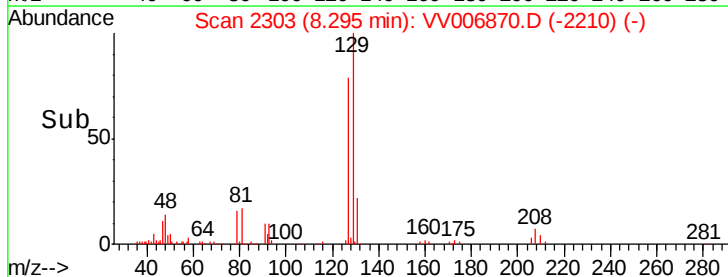
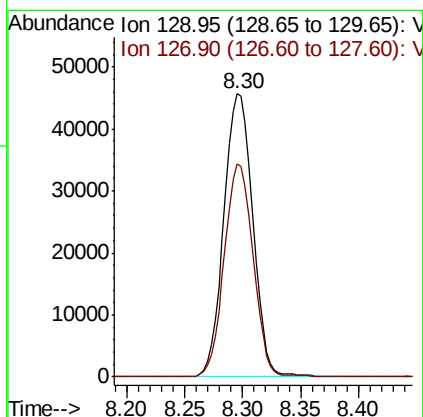
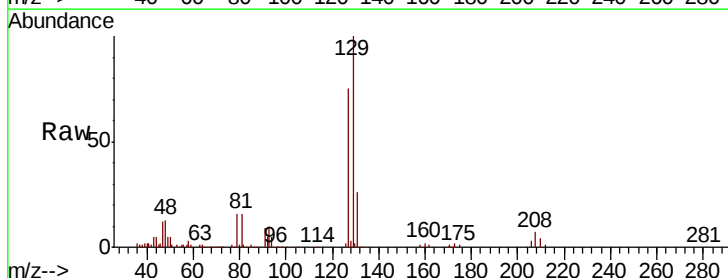
Instrument :
MSVOA_V
ClientSampleId :

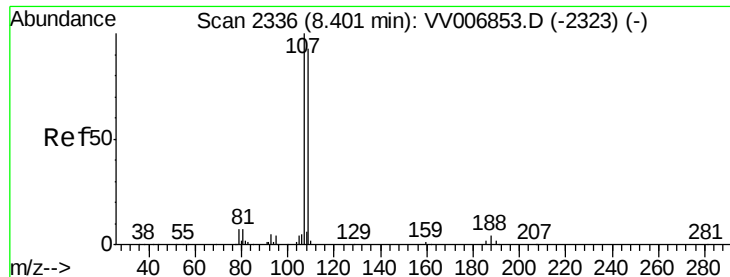
Tot Ion: 43 Resp: 440342
Ion Ratio Lower Upper
43 100
58 55.2 45.4 68.0
57 18.6 15.4 23.2
100 12.6 10.6 16.0



#49
Dibromochloromethane
Concen: 5.820 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Tgt Ion: 129 Resp: 78753
Ion Ratio Lower Upper
129 100
127 75.4 55.2 102.4

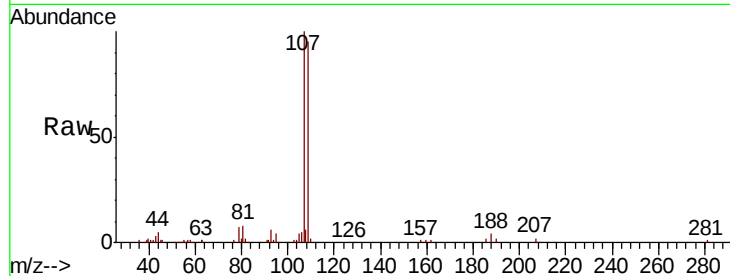




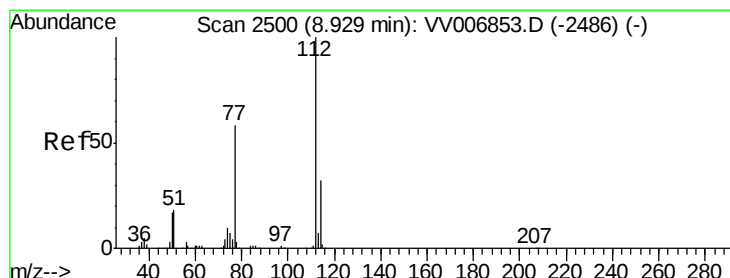
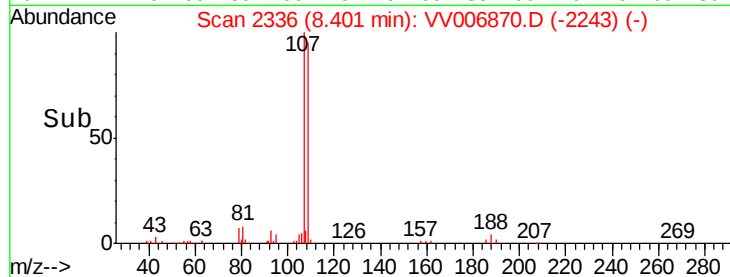
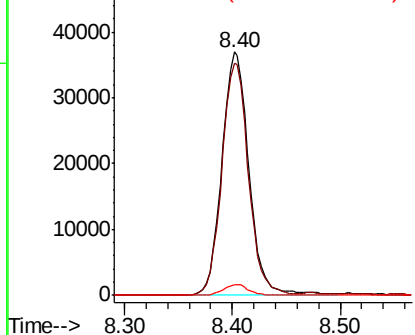
#50
 1,2-Dibromoethane
 Concen: 5.650 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV006870.D
 Acq: 04 Aug 2018 02:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 64455
 Ion Ratio Lower Upper
 107 100
 109 95.3 64.0 119.0
 188 4.3 2.8 4.2#

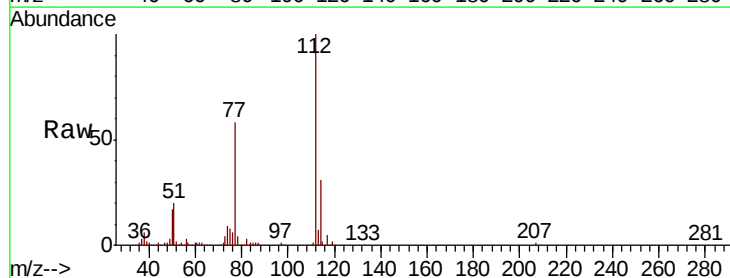


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

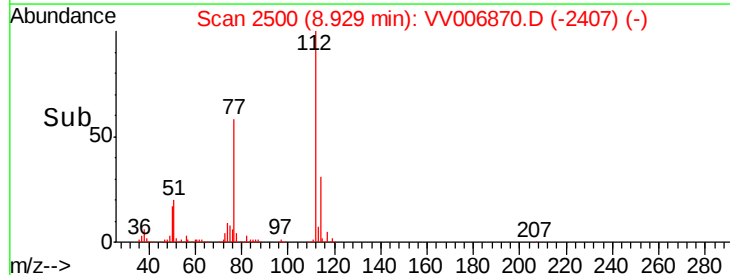
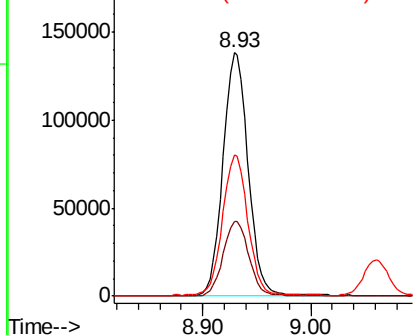


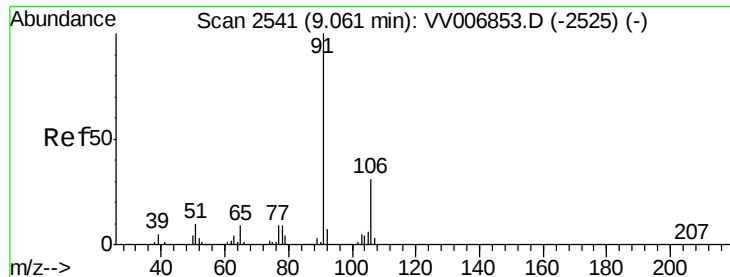
#51
 Chlorobenzene
 Concen: 5.044 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV006870.D
 Acq: 04 Aug 2018 02:30

Tgt Ion:112 Resp: 225510
 Ion Ratio Lower Upper
 112 100
 114 30.7 22.3 41.5
 77 58.0 46.3 69.5



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: 4.577 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

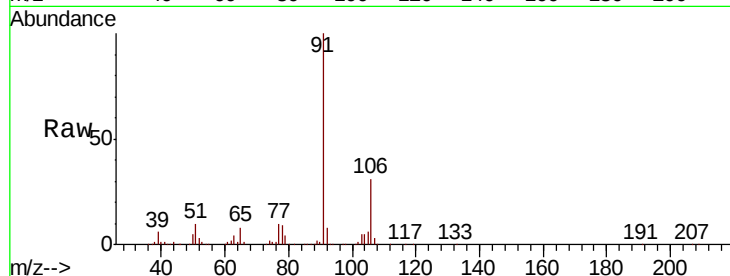
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 332090

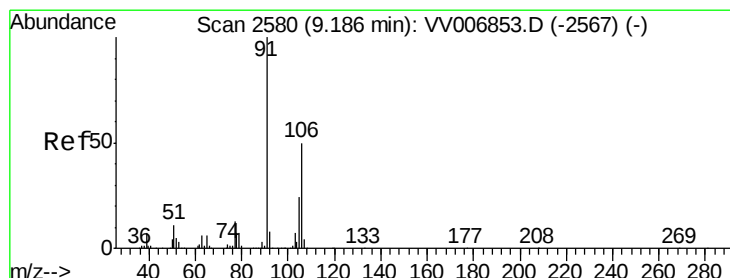
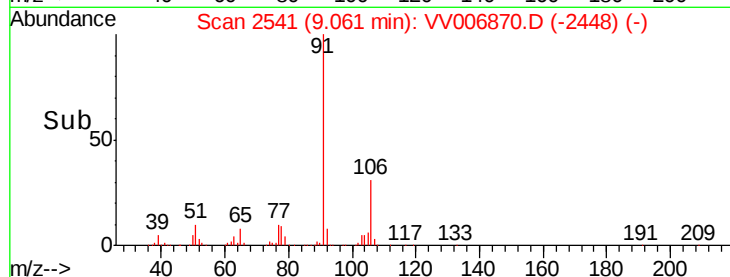
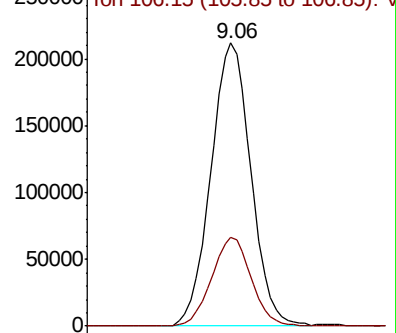
Ion Ratio Lower Upper

91 100

106 31.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV006870.D (-2448) (-)



#53

m,p-xylene

Concen: 4.597 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006870.D

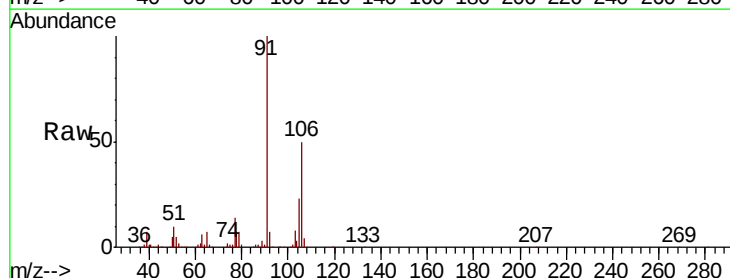
Acq: 04 Aug 2018 02:30

Tgt Ion: 106 Resp: 123809

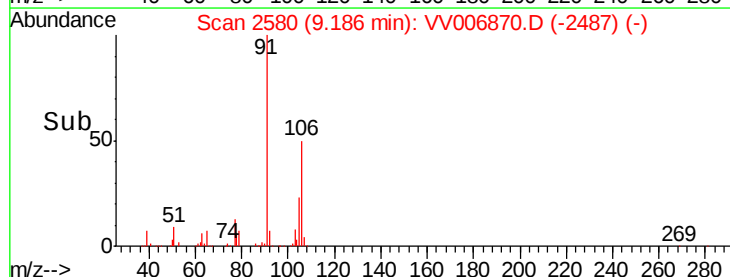
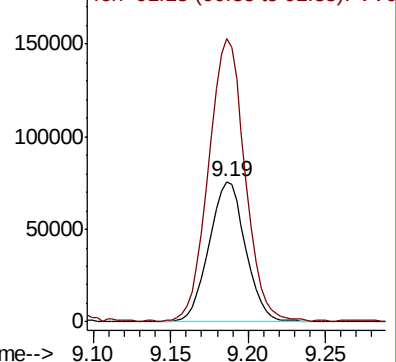
Ion Ratio Lower Upper

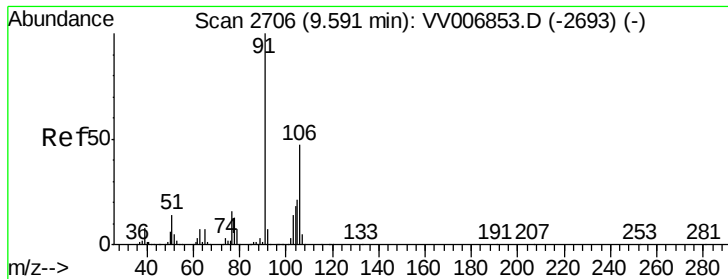
106 100

91 201.9 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): VV006870.D (-2487) (-)

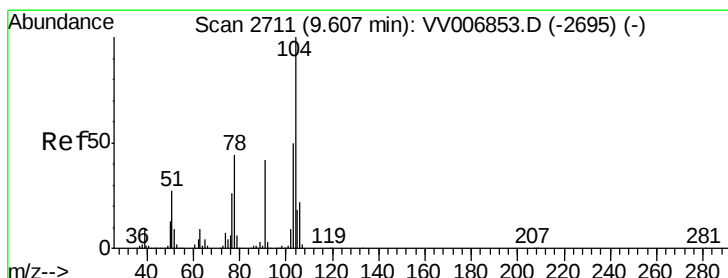
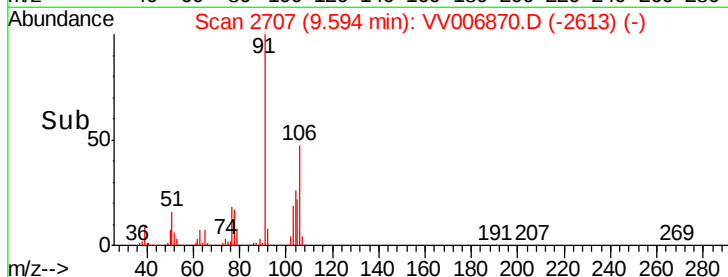
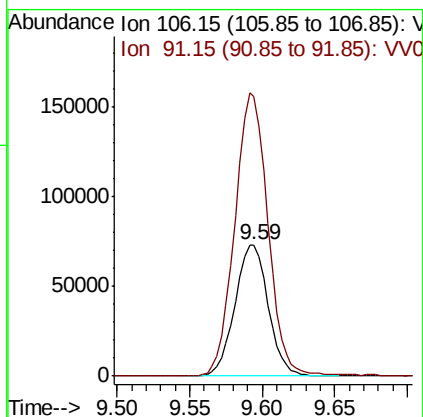
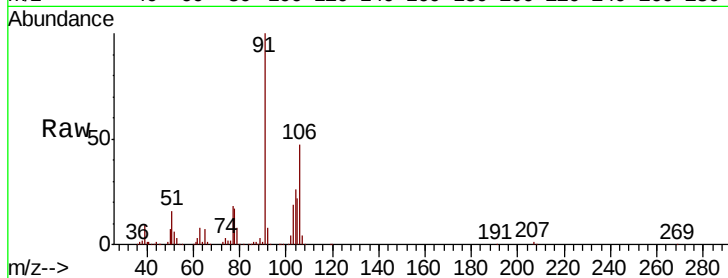




#54
o-xylene
Concen: 4.290 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

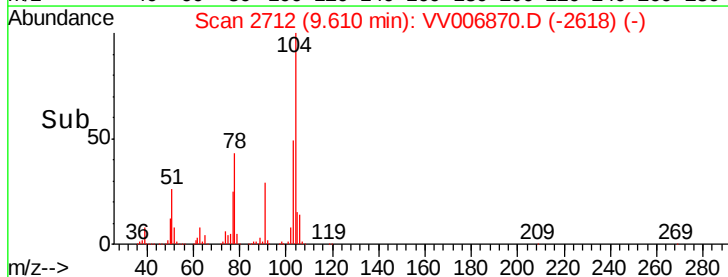
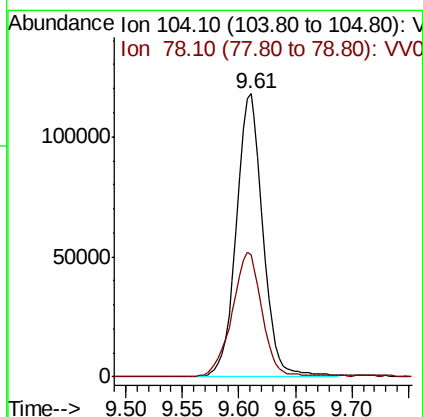
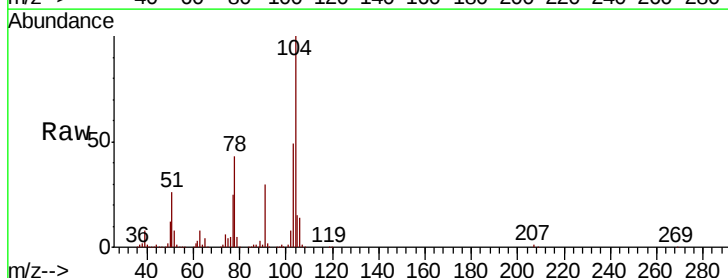
Instrument :
MSVOA_V
ClientSampled :

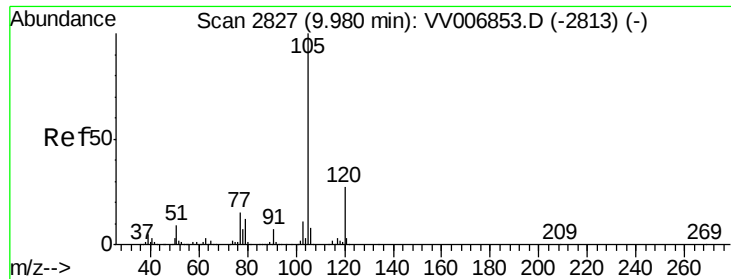
Tot Ion:106 Resp: 116609
Ion Ratio Lower Upper
106 100
91 213.3 150.1 278.9



#55
Styrene
Concen: 4.536 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006870.D
Acq: 04 Aug 2018 02:30

Tgt Ion:104 Resp: 193722
Ion Ratio Lower Upper
104 100
78 43.0 29.6 55.0





#56

Isopropylbenzene

Concen: 4.560 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampled :

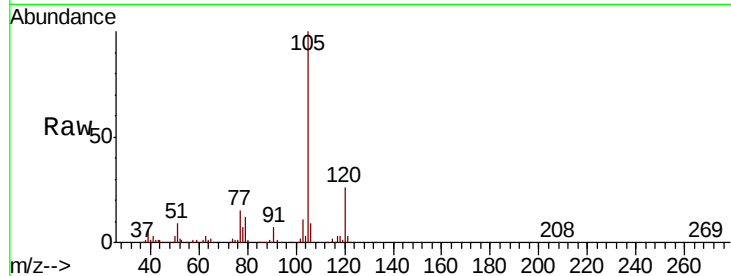
Tot Ion:105 Resp: 315306

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

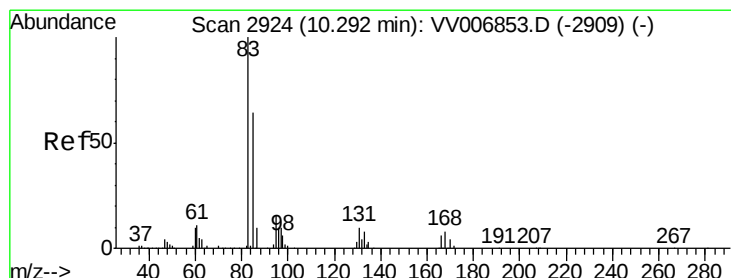
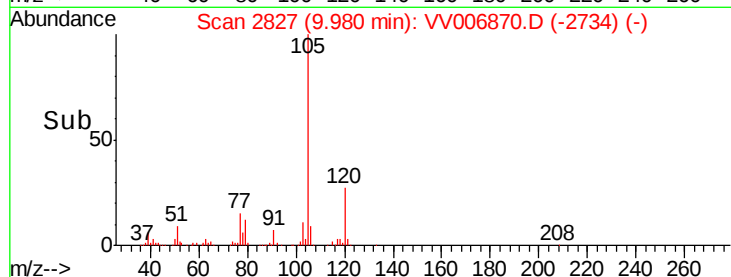
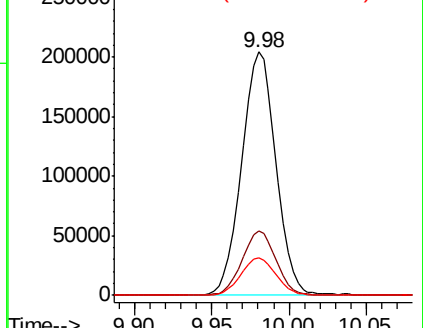
77 15.5 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.744 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

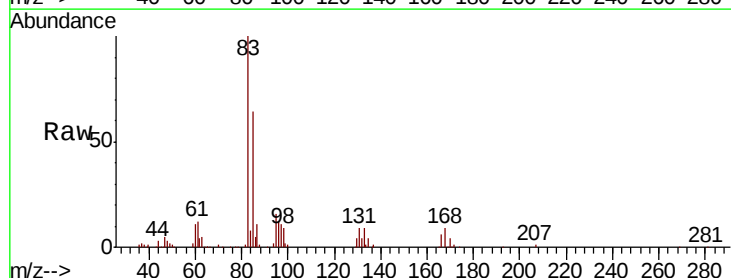
Tgt Ion: 83 Resp: 93059

Ion Ratio Lower Upper

83 100

85 64.0 44.1 81.9

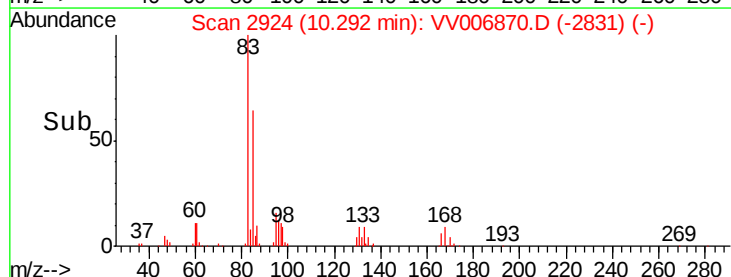
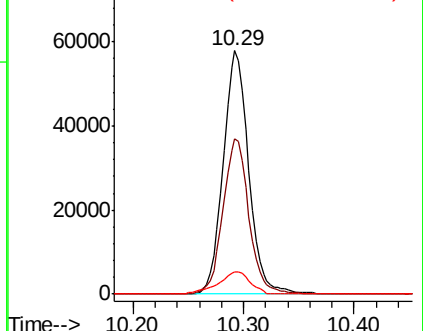
131 9.0 6.6 9.8

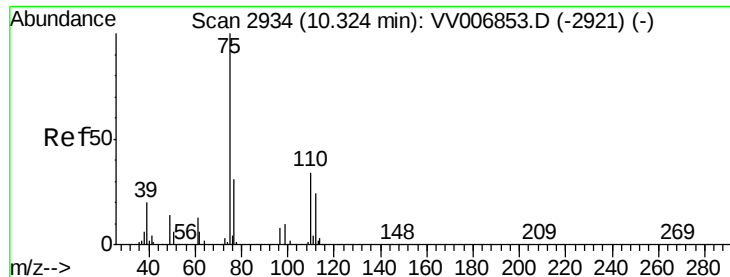


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.799 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

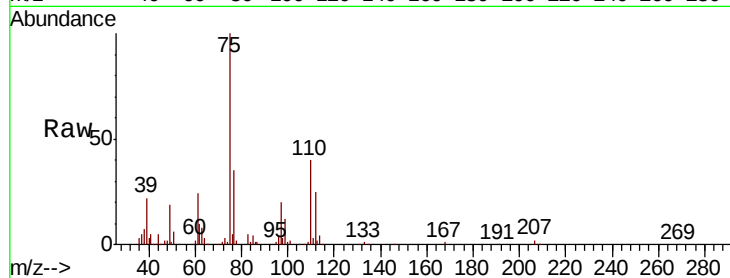
ClientSampled :

Tot Ion: 75 Resp: 66016

Ion Ratio Lower Upper

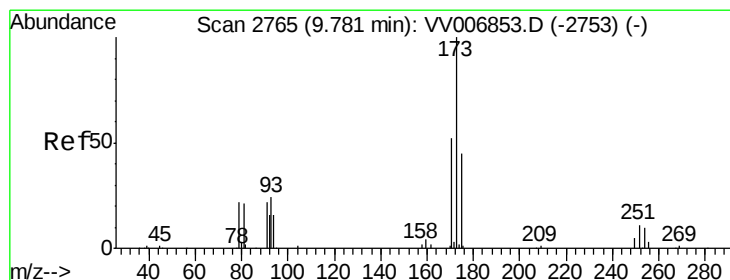
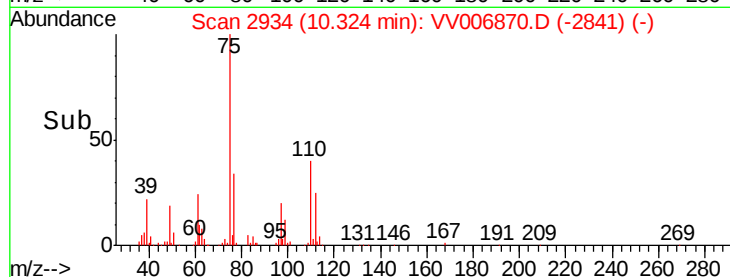
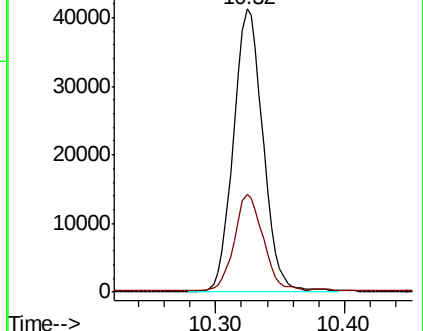
75 100

77 33.1 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV006853.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV006853.D (-2921) (-)



#61

Bromoform

Concen: 5.892 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

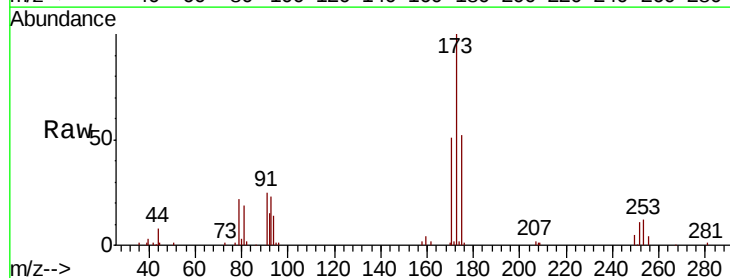
Tgt Ion: 173 Resp: 40500

Ion Ratio Lower Upper

173 100

175 51.1 39.3 58.9

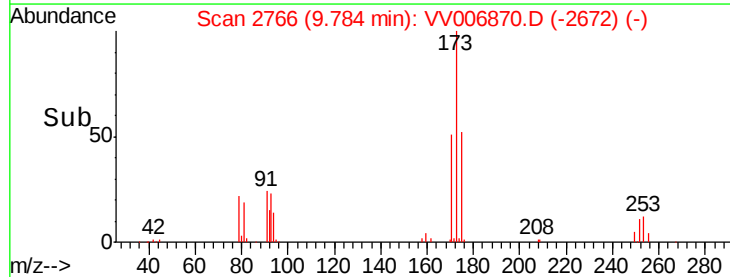
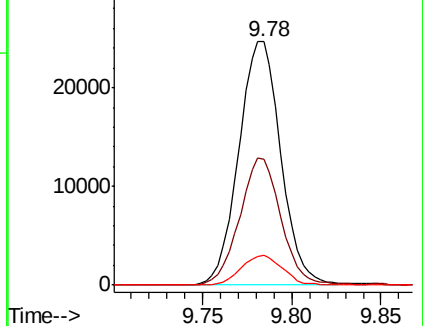
254 11.9 9.7 14.5

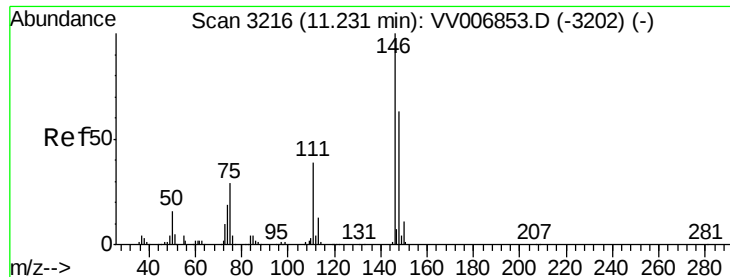


Abundance Ion 172.90 (172.60 to 173.60): VV006853.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006853.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006853.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 4.826 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampleId :

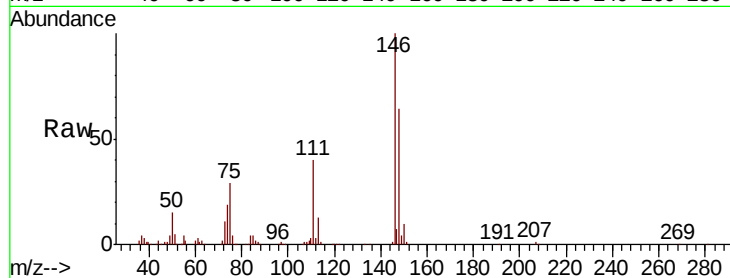
Tot Ion:146 Resp: 153984

Ion Ratio Lower Upper

146 100

111 39.7 27.3 50.7

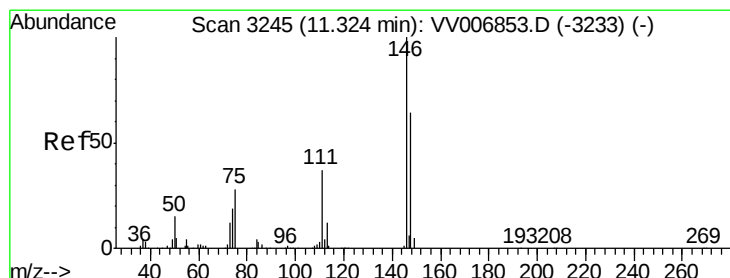
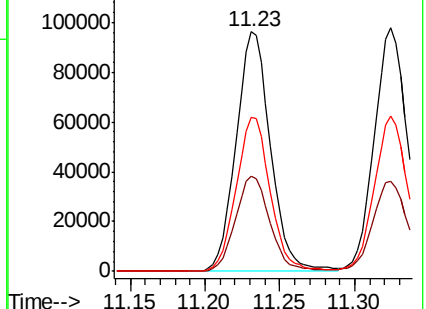
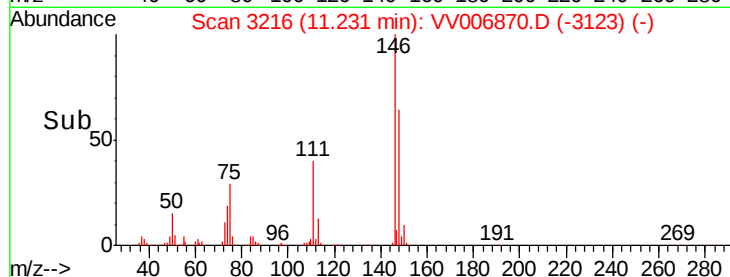
148 64.1 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.938 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

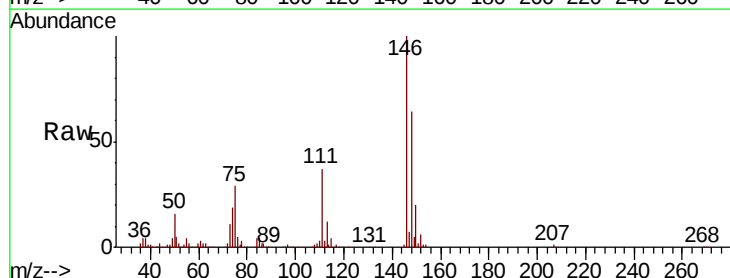
Tgt Ion:146 Resp: 155844

Ion Ratio Lower Upper

146 100

111 36.8 26.2 48.8

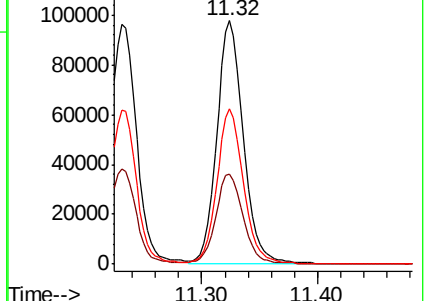
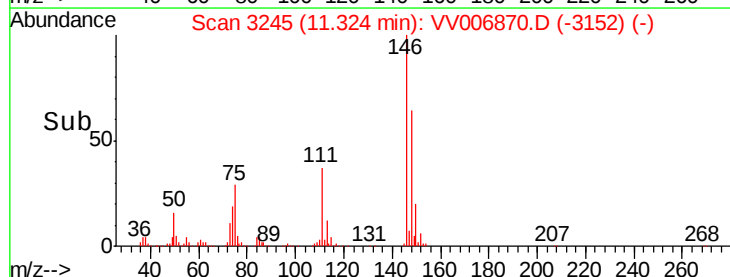
148 63.5 44.9 83.3

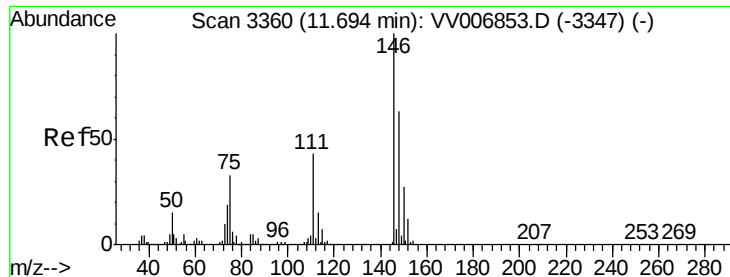


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.079 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampled :

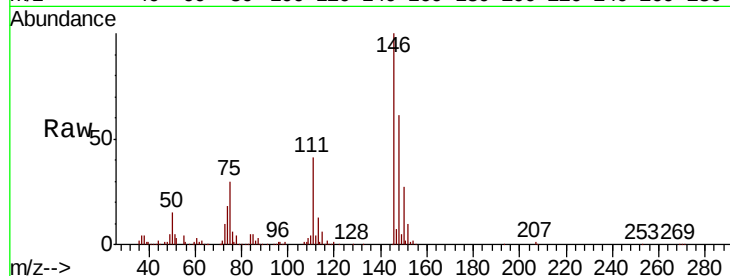
Tot Ion:146 Resp: 159024

Ion Ratio Lower Upper

146 100

111 41.1 31.8 47.6

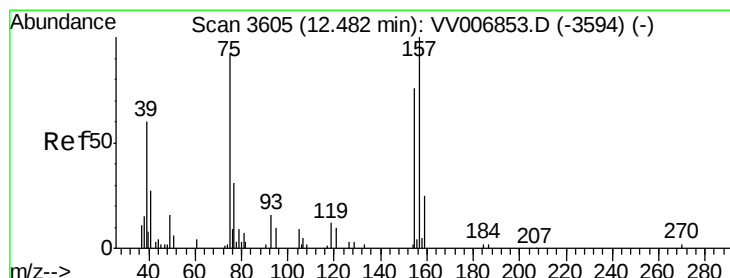
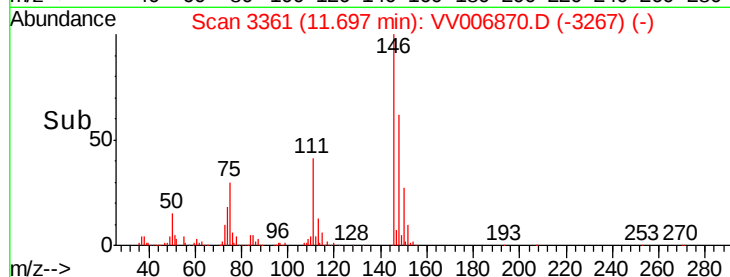
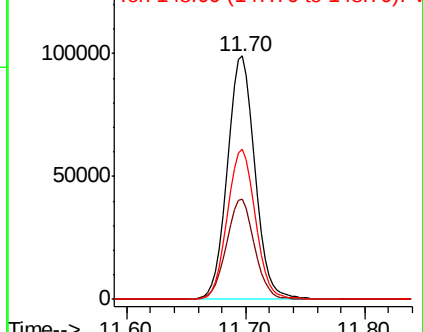
148 61.5 52.3 78.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.946 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

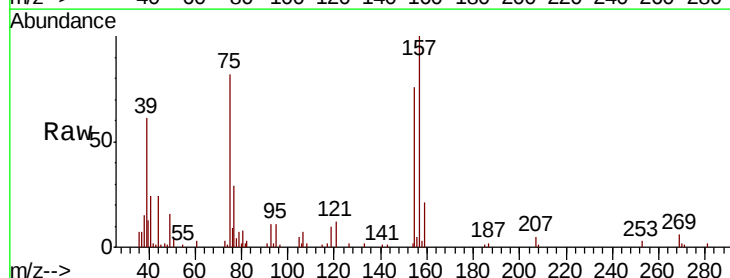
Tgt Ion: 75 Resp: 12945

Ion Ratio Lower Upper

75 100

155 92.3 61.8 92.8

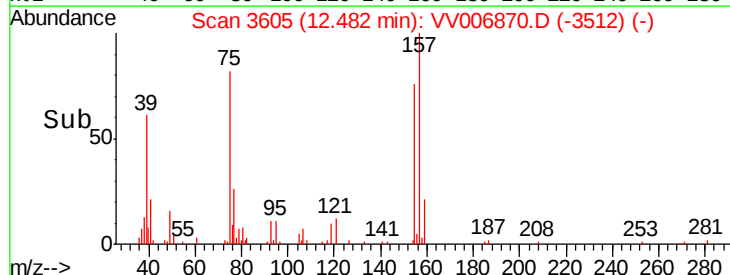
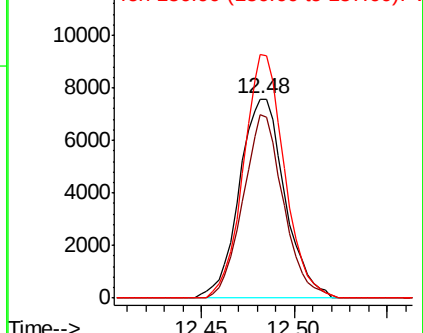
157 122.3 86.6 129.8

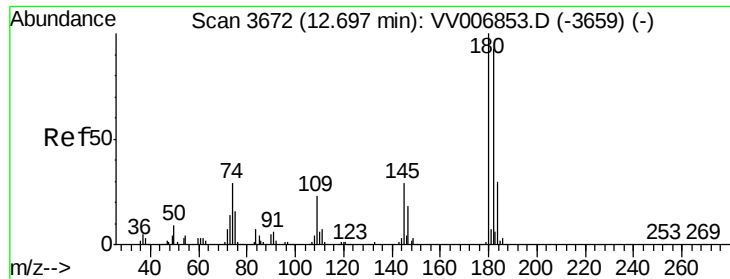


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

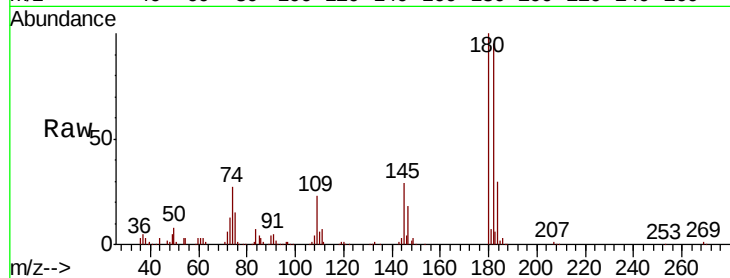




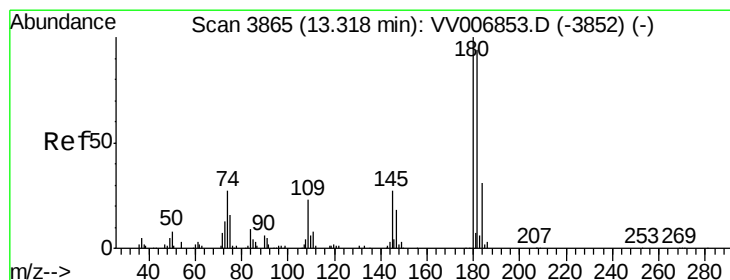
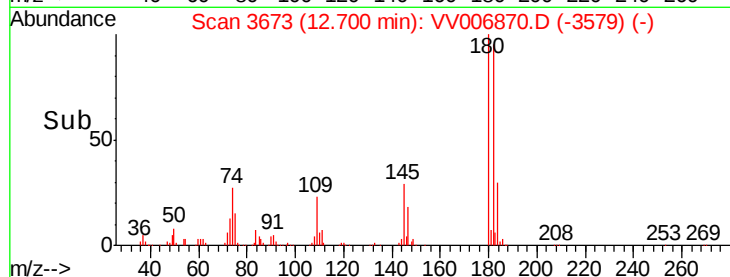
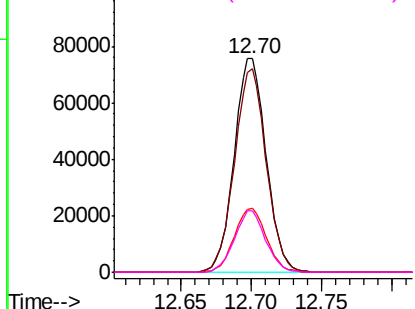
#67
 1,3,5-Trichlorobenzene
 Concen: 4.882 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006870.D
 Acq: 04 Aug 2018 02:30

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	119810
Ion Ratio	Lower	Upper
180	100	
182	94.7	74.6 112.0
184	30.1	22.7 34.1
145	28.2	22.9 34.3

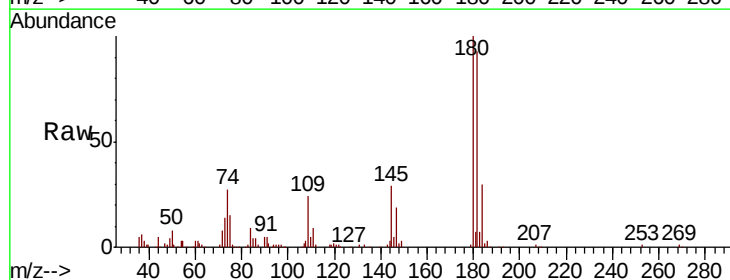


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

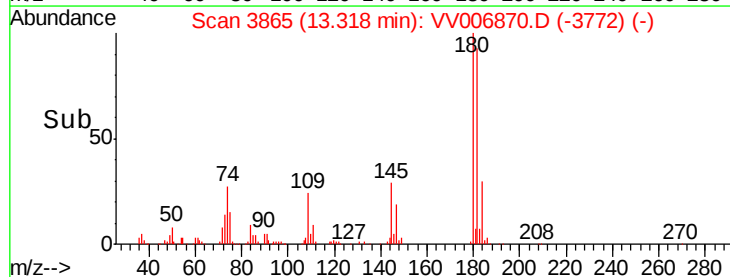
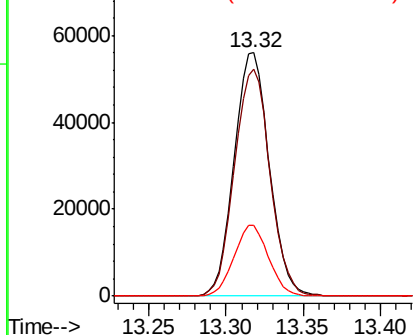


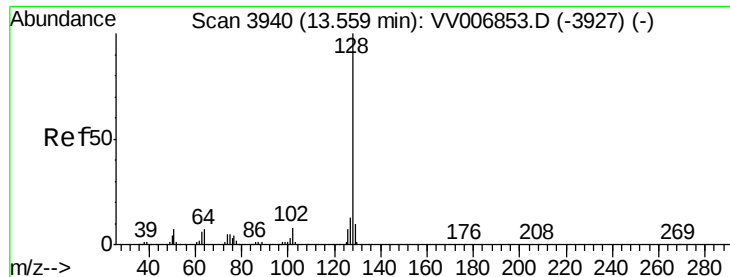
#68
 1,2,4-trichlorobenzene
 Concen: 4.635 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006870.D
 Acq: 04 Aug 2018 02:30

Tgt Ion:180	Resp:	88362
Ion Ratio	Lower	Upper
180	100	
182	94.2	77.0 115.6
145	28.7	23.4 35.2



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: 4.219 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

Instrument :

MSVOA_V

ClientSampled :

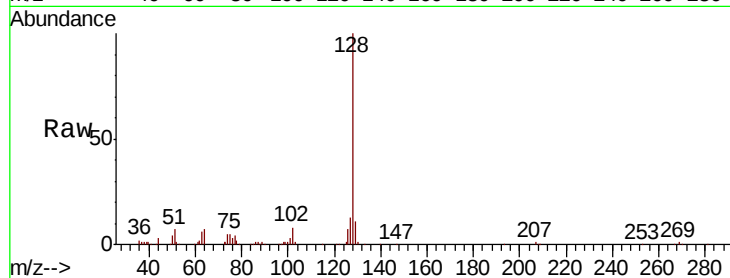
Tot Ion:128 Resp: 140176

Ion Ratio Lower Upper

128 100

129 11.1 8.2 12.4

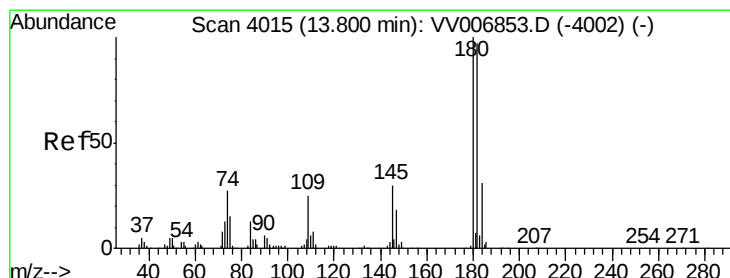
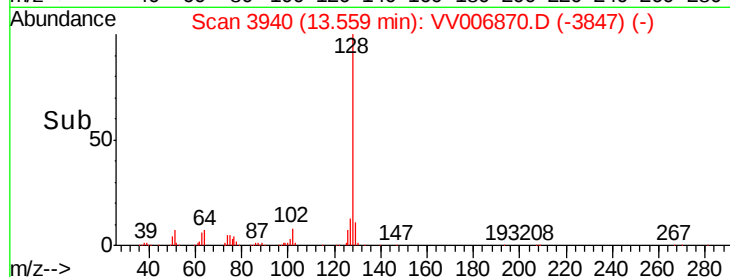
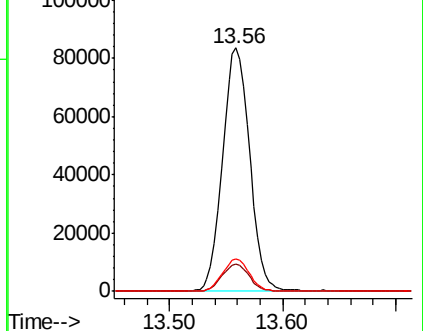
127 13.1 10.7 16.1



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: 4.856 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006870.D

Acq: 04 Aug 2018 02:30

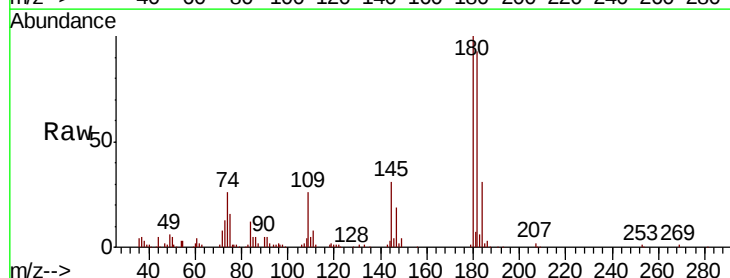
Tgt Ion:180 Resp: 89359

Ion Ratio Lower Upper

180 100

182 94.1 78.0 117.0

145 31.3 25.4 38.0



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

