

Data File : VV008840.D
Acq On : 05 Dec 2018 12:14
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV69

Quant Time: Dec 06 04:58:26 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	133603	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	125154	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	63007	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31317	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.59	69	23935	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.14	63	65408	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.98	46	85167	48.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.80%
24) Chloroform-d	4.41	84	77183	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.09	65	37289	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	152391	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.12	67	44921	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	146150	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.67	79	17378	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.14	63	70648	51.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	30026	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	53676	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	63128	4.974 ug/L	99
3) Chloromethane	1.25	50	41899	4.983 ug/L	98
5) Vinyl chloride	1.32	62	43075	5.027 ug/L	100
6) Bromomethane	1.54	94	26406	5.257 ug/L	95
8) Chloroethane	1.60	64	24343	5.057 ug/L	98
9) Trichlorofluoromethane	1.77	101	71139	5.152 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38421	5.114 ug/L	99
12) 1,1-Dichloroethene	2.14	96	32776	5.007 ug/L	95
13) Acetone	2.24	43	50144	51.192 ug/L	71
14) Carbon disulfide	2.32	76	102385	5.197 ug/L	99
15) Methyl Acetate	2.48	43	11283	5.215 ug/L	94
16) Methylene chloride	2.54	84	34523	4.883 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	80877	5.032 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	35968	5.027 ug/L	92
19) 1,1-Dichloroethane	3.23	63	81880	5.236 ug/L	99
21) 2-Butanone	4.07	43	95750	52.051 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	51830	5.292 ug/L	98

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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)
23) Bromochloromethane	4.30	128	21358	5.155	ug/L	95
25) Chloroform	4.43	83	85150	5.024	ug/L	100
27) 1,2-Dichloroethane	5.19	62	49922	5.161	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	76097	5.134	ug/L	98
30) Cyclohexane	4.72	56	76500	5.370	ug/L	100
31) Carbon tetrachloride	4.87	117	68505	5.135	ug/L	99
33) Benzene	5.15	78	187501	5.269	ug/L	100
34) Trichloroethene	5.96	95	53169	5.137	ug/L	99
35) Methylcyclohexane	6.18	83	84444	5.158	ug/L	98
37) 1,2-Dichloropropane	6.23	63	46333	5.313	ug/L	99
38) Bromodichloromethane	6.56	83	55644	5.185	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	64325	5.263	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	235520	53.240	ug/L	99
42) Toluene	7.43	91	200077	5.209	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	50873	5.366	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	30656	5.007	ug/L	96
47) Tetrachloroethene	8.02	164	43569	5.247	ug/L	95
48) 2-Hexanone	8.19	43	169141	54.239	ug/L	99
49) Dibromochloromethane	8.29	129	37842	5.284	ug/L	98
50) 1,2-Dibromoethane	8.40	107	30719	5.354	ug/L	100
51) Chlorobenzene	8.93	112	131885	5.218	ug/L	98
52) Ethylbenzene	9.06	91	222298	5.301	ug/L	99
53) m,p-xylene	9.18	106	85336	5.327	ug/L	100
54) o-xylene	9.59	106	80823	5.290	ug/L	99
55) Styrene	9.60	104	136543	5.402	ug/L	99
56) Isopropylbenzene	9.98	105	221255	5.352	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	33481	5.419	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	26464	5.084	ug/L	96
61) Bromoform	9.78	173	18589	4.959	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	103450	5.078	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	106902	5.133	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	97301	5.171	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	5011	5.305	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	81555	5.378	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	63428	5.630	ug/L	99
69) Naphthalene	13.56	128	97767	5.977	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	59978	5.688	ug/L	98

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

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VICV69

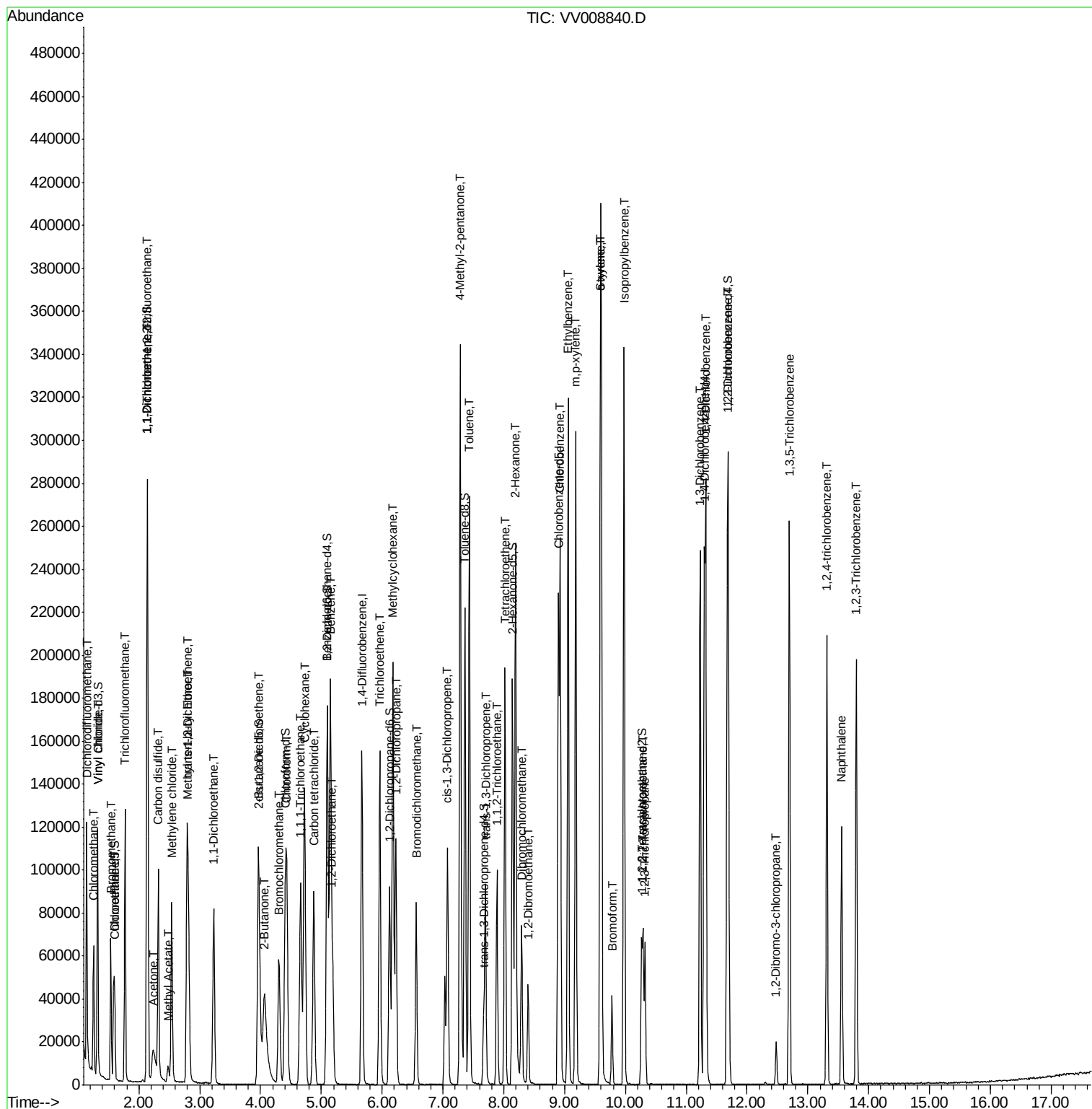
Quant Time: Dec 06 04:58:26 2018

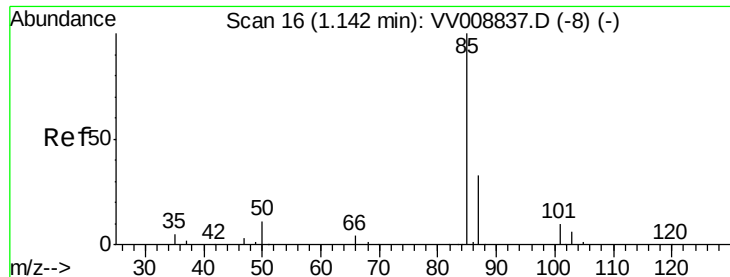
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR120518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Dec 06 04:51:41 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.974 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

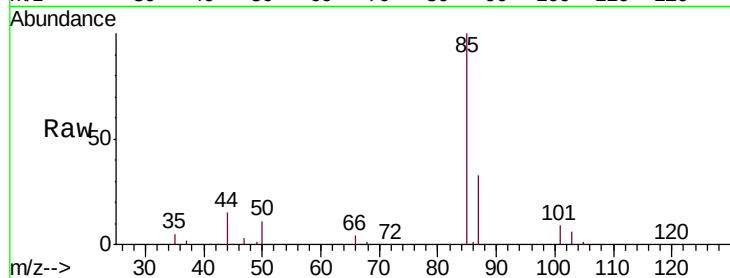
VICV69

Tgt Ion: 85 Resp: 63128

Ion Ratio Lower Upper

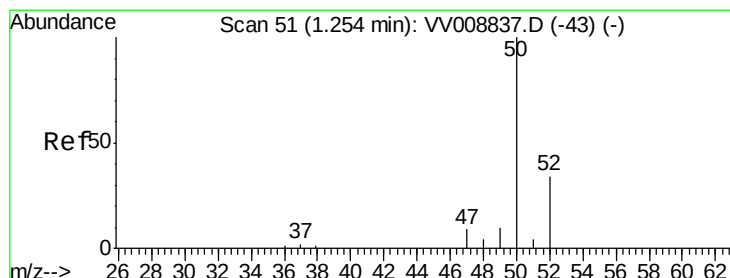
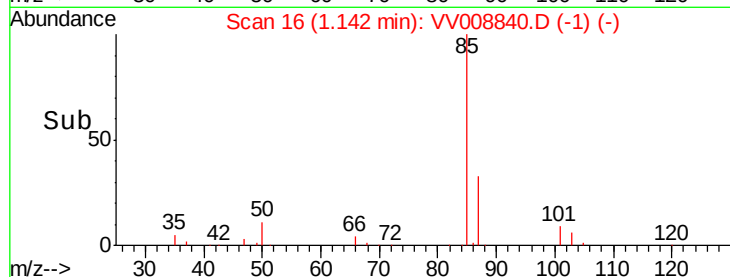
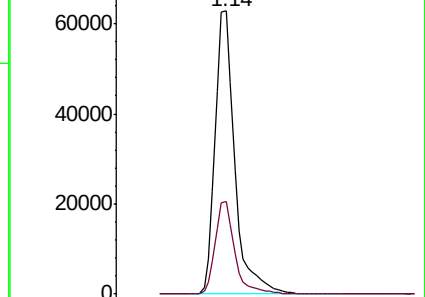
85 100

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: 4.983 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008840.D

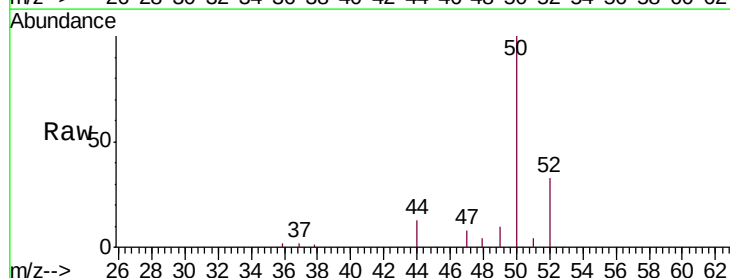
Acq: 05 Dec 2018 12:14

Tgt Ion: 50 Resp: 41899

Ion Ratio Lower Upper

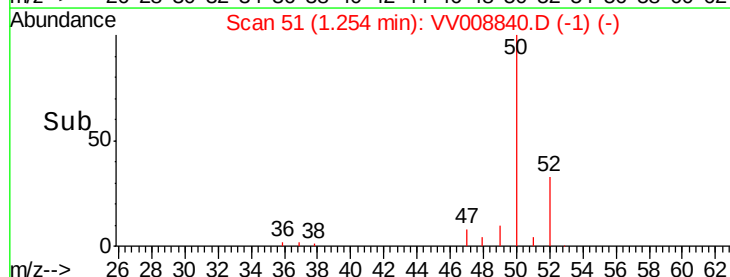
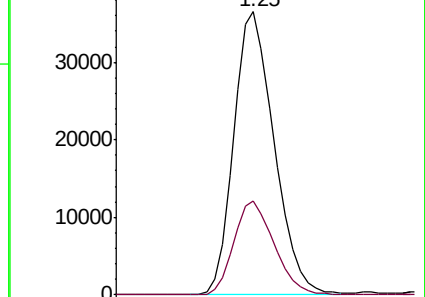
50 100

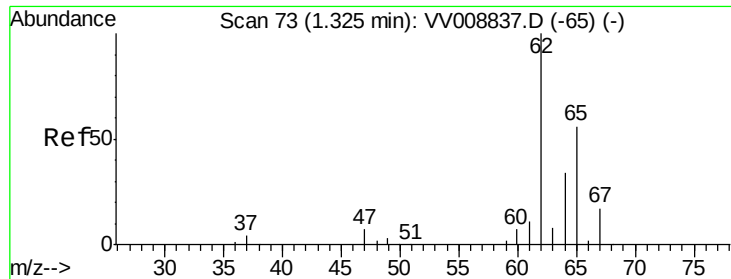
52 33.1 23.9 44.5



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: 5.027 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

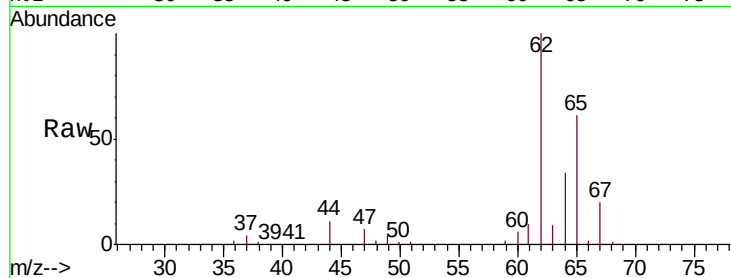
VICV69

Tgt Ion: 62 Resp: 43075

Ion Ratio Lower Upper

62 100

64 34.0 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV008837.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008837.D (-65) (-)

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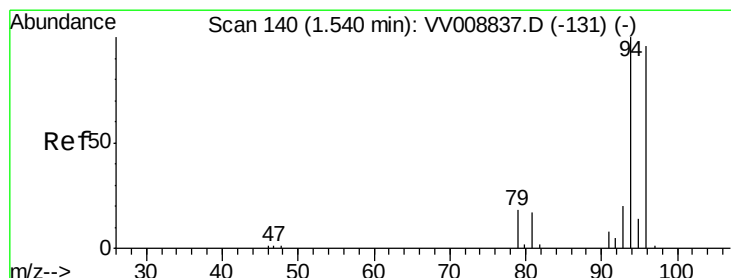
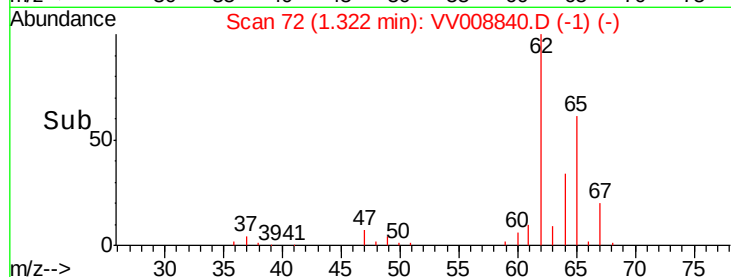
1.32

1.32

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1.32



#6

Bromomethane

Concen: 5.257 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008840.D

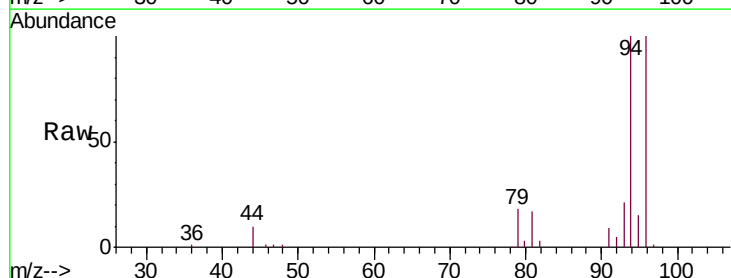
Acq: 05 Dec 2018 12:14

Tgt Ion: 94 Resp: 26406

Ion Ratio Lower Upper

94 100

96 100.2 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV008837.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008837.D (-131) (-)

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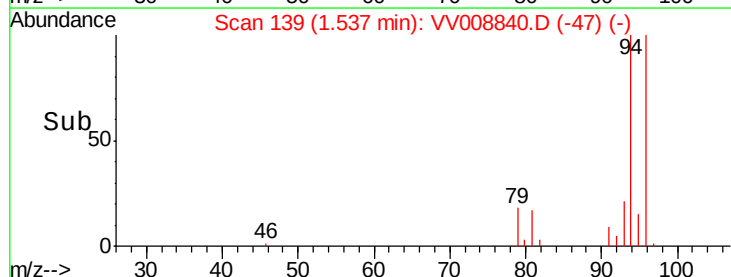
1.54

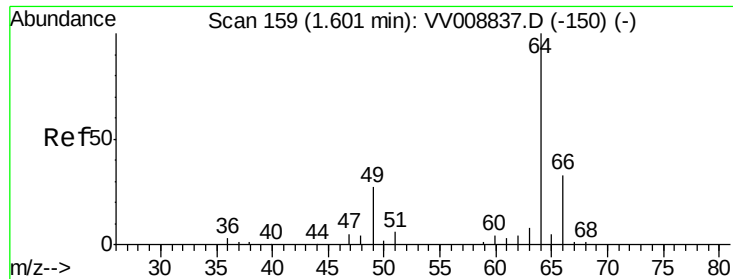
1.54

1.54

1.54

1.54

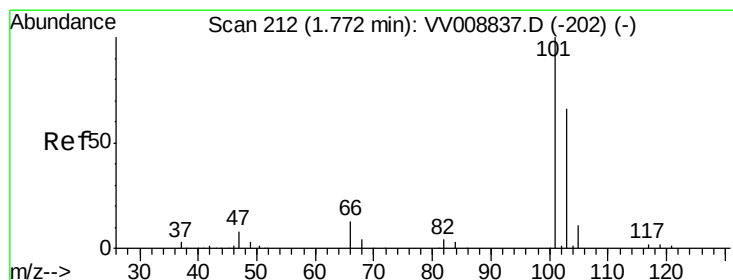
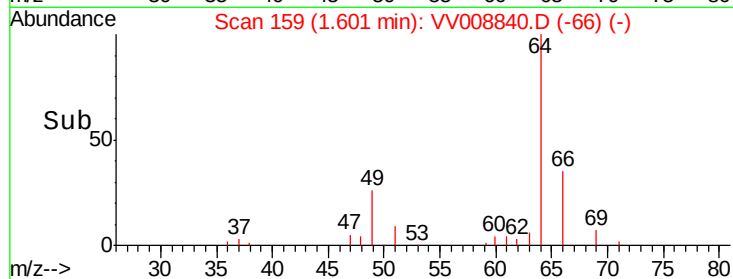
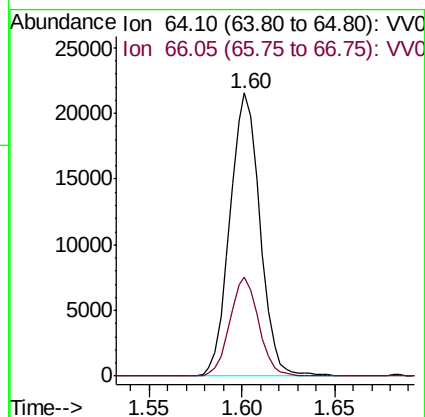
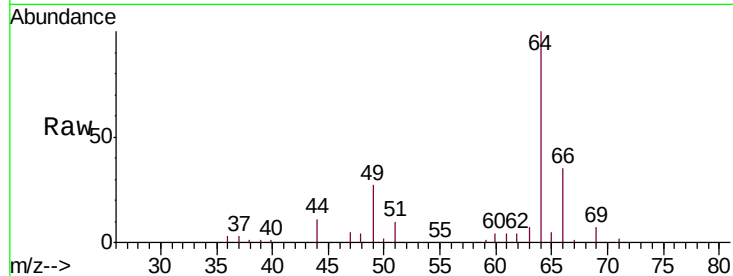




#8
Chloroethane
Concen: 5.057 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

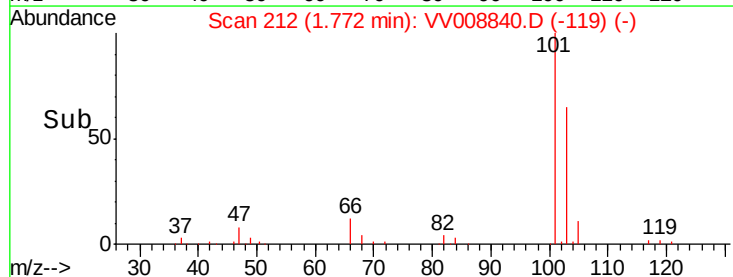
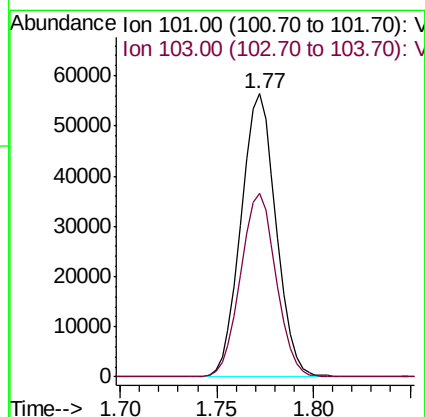
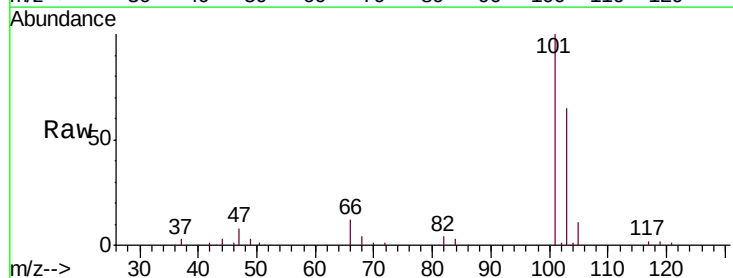
Instrument :
MSVOA_V
ClientSampled :
VICV69

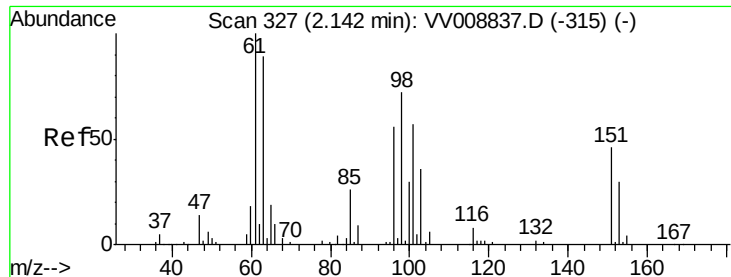
Tgt Ion: 64 Resp: 24343
Ion Ratio Lower Upper
64 100
66 34.8 23.4 43.6



#9
Trichlorofluoromethane
Concen: 5.152 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion: 101 Resp: 71139
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7





#10

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

Concen: 5.114 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampled :

VICV69

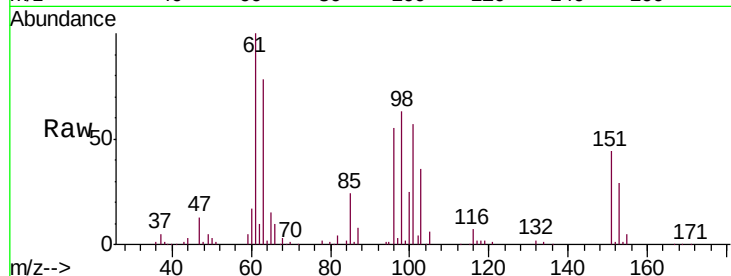
Tgt Ion: 101 Resp: 38421

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.6

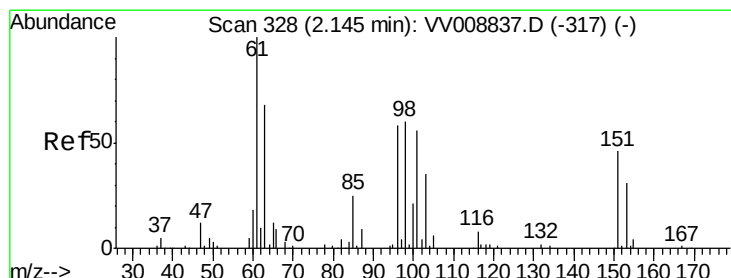
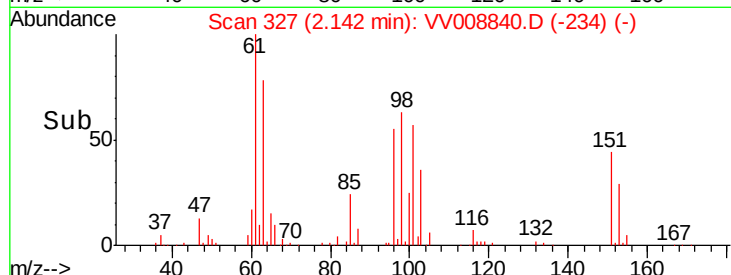
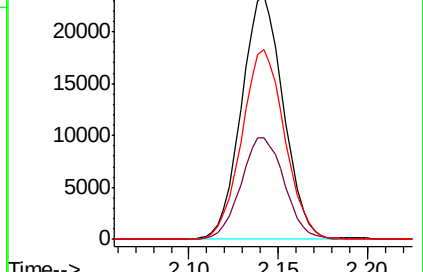
151 79.8 65.1 97.7



Abundance Ion 101.00 (100.70 to 101.70): VV008837.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008837.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008837.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 5.007 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

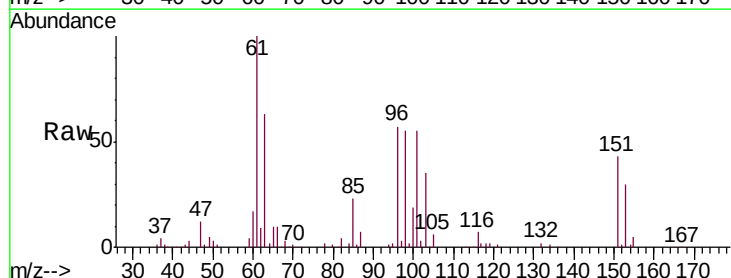
Tgt Ion: 96 Resp: 32776

Ion Ratio Lower Upper

96 100

61 174.1 120.8 224.4

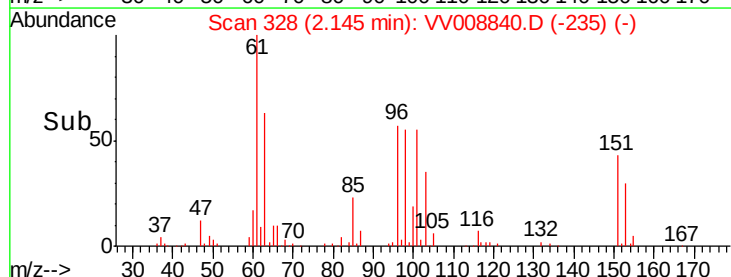
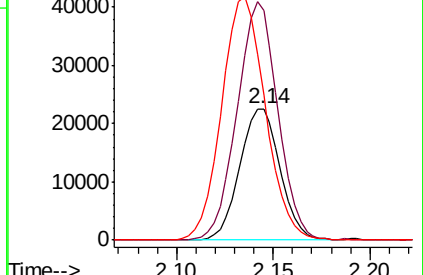
63 109.8 85.0 158.0

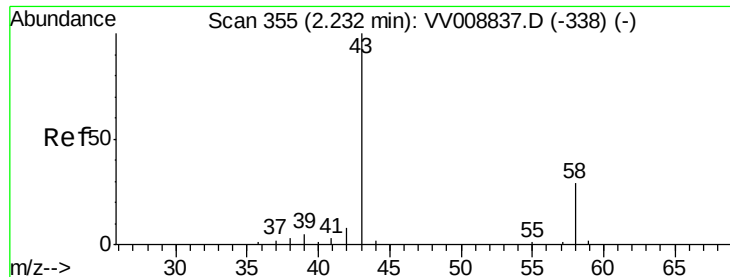


Abundance Ion 96.00 (95.70 to 96.70): VV008837.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008837.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008837.D (-317) (-)





#13

Acetone

Concen: 51.192 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.01 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

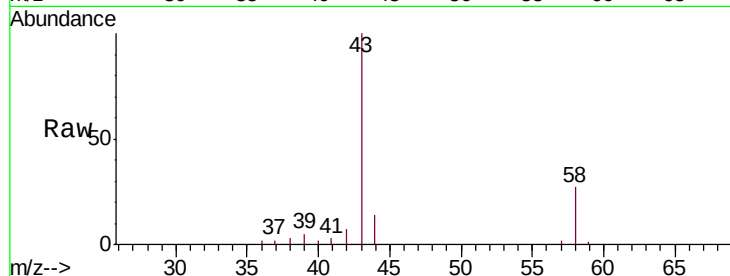
VICV69

Tgt Ion: 43 Resp: 50144

Ion Ratio Lower Upper

43 100

58 11.3 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV008837.D (-338) (-)

Ion 58.05 (57.75 to 58.75): VV008837.D (-338) (-)

2.24

10000

8000

6000

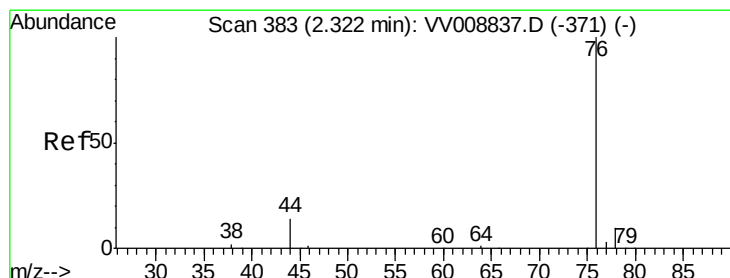
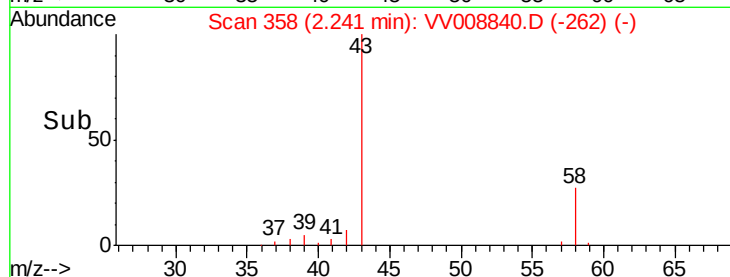
4000

2000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.197 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008840.D

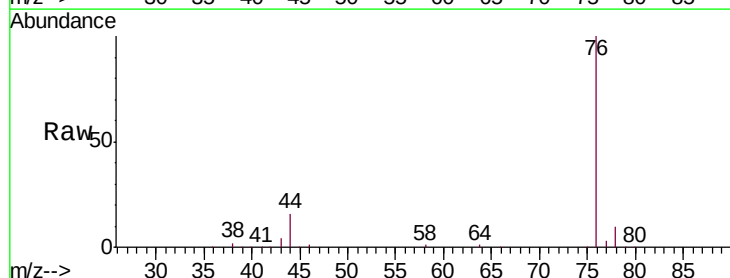
Acq: 05 Dec 2018 12:14

Tgt Ion: 76 Resp: 102385

Ion Ratio Lower Upper

76 100

78 9.6 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008837.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008837.D (-371) (-)

2.32

80000

60000

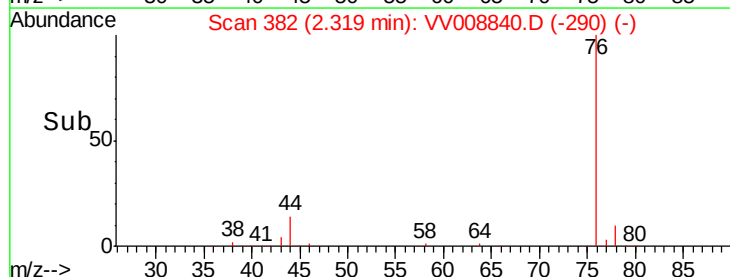
40000

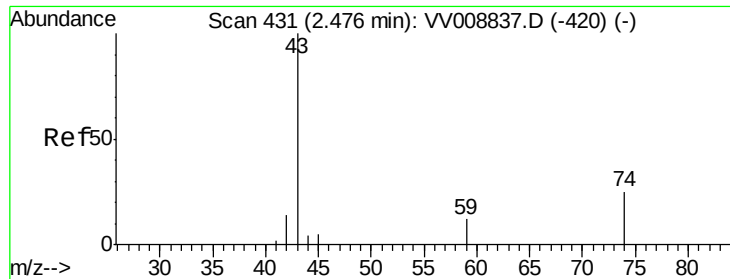
20000

0

Time-->

2.25 2.30 2.35 2.40

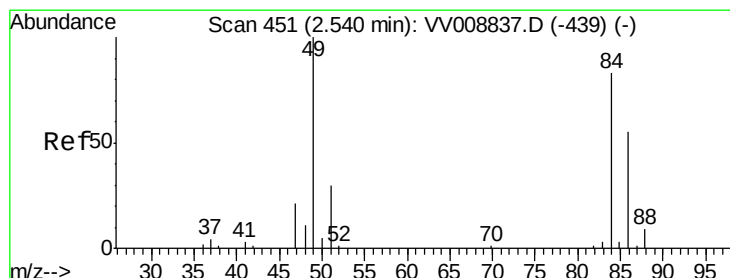
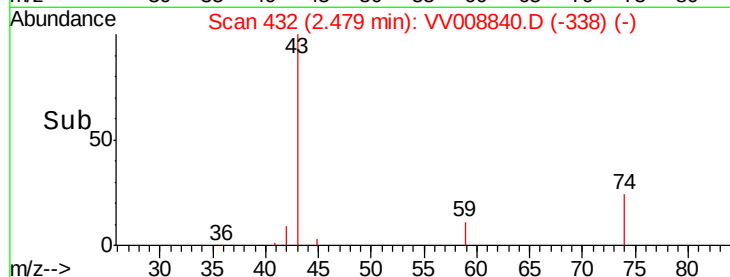
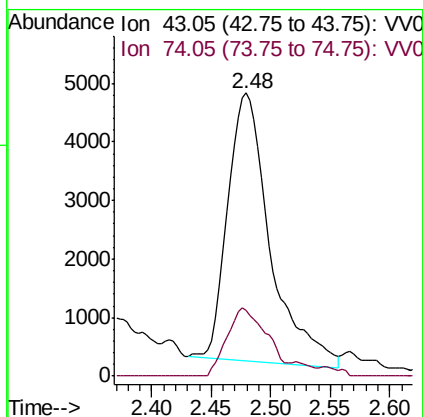
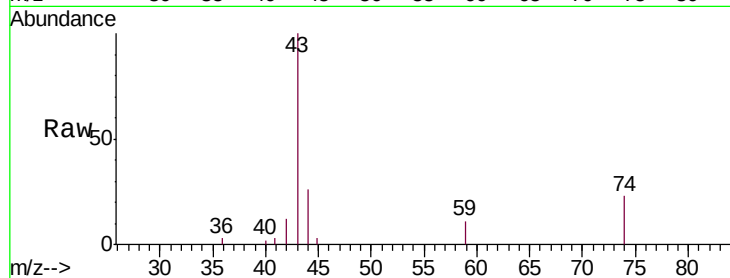




#15
Methyl Acetate
Concen: 5.215 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

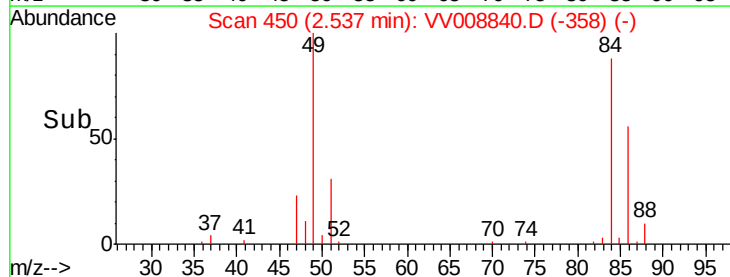
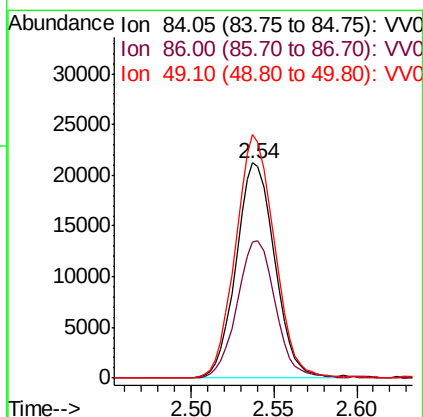
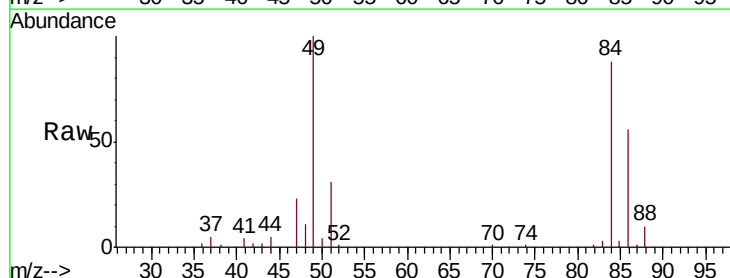
Instrument :
MSVOA_V
ClientSampled :
VICV69

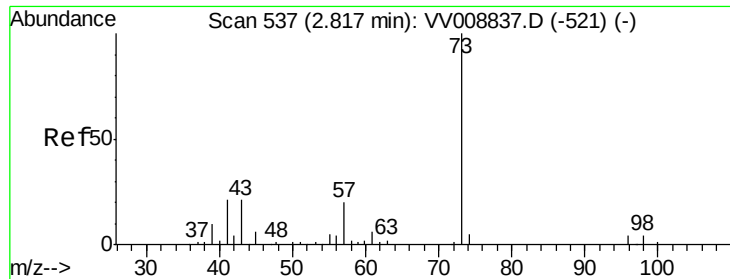
Tgt Ion: 43 Resp: 11283
Ion Ratio Lower Upper
43 100
74 24.1 21.8 32.6



#16
Methylene chloride
Concen: 4.883 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion: 84 Resp: 34523
Ion Ratio Lower Upper
84 100
86 63.0 46.7 86.7
49 113.1 84.8 157.4

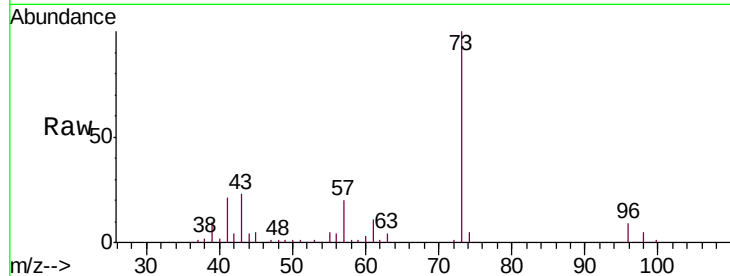




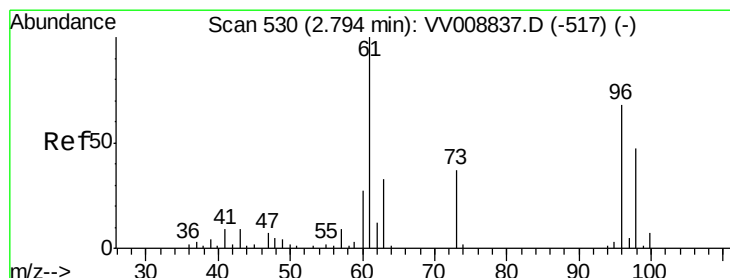
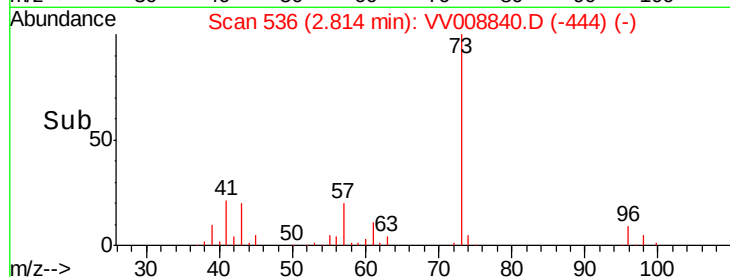
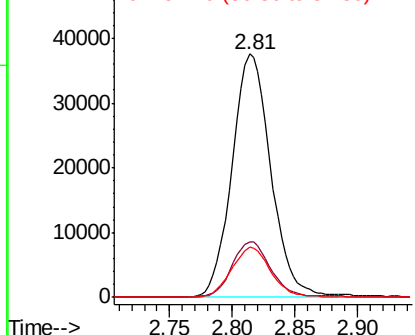
#17
Methyl tert-butyl Ether
Concen: 5.032 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Instrument :
MSVOA_V
ClientSampleId :
VICV69

Tgt Ion: 73 Resp: 80877
Ion Ratio Lower Upper
73 100
43 23.4 17.3 25.9
57 20.7 16.8 25.2

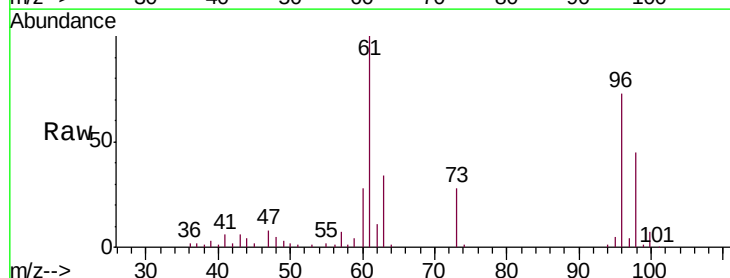


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

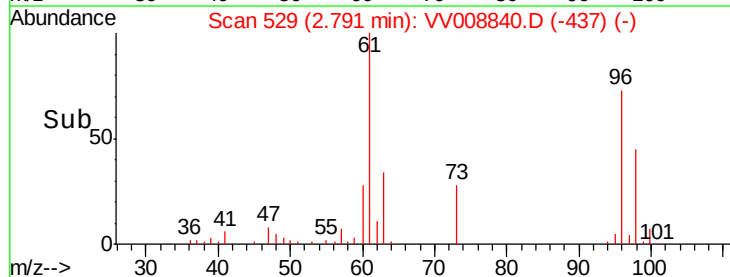
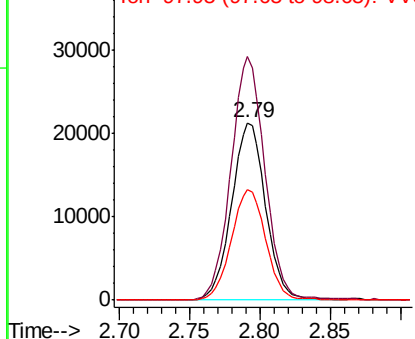


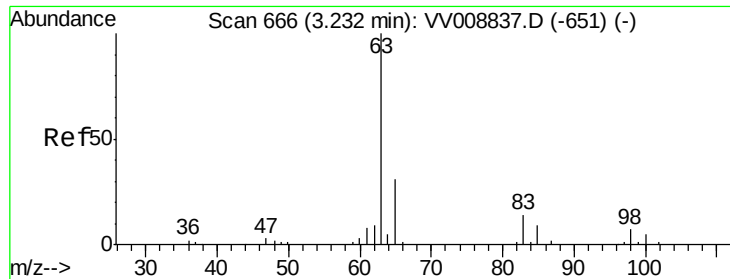
#18
trans-1,2-Dichloroethene
Concen: 5.027 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion: 96 Resp: 35968
Ion Ratio Lower Upper
96 100
61 137.5 103.0 191.4
98 62.2 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

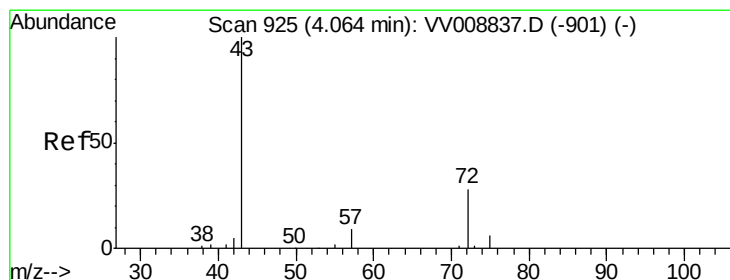
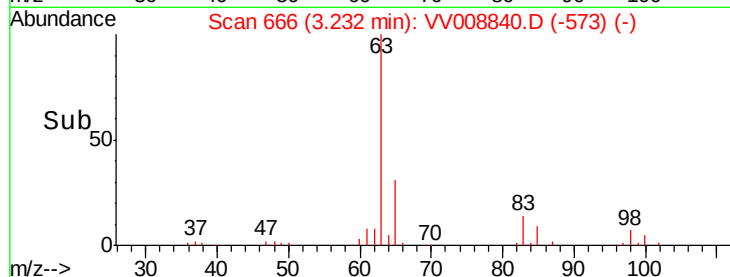
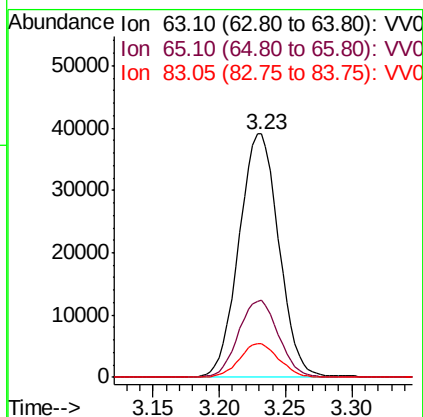
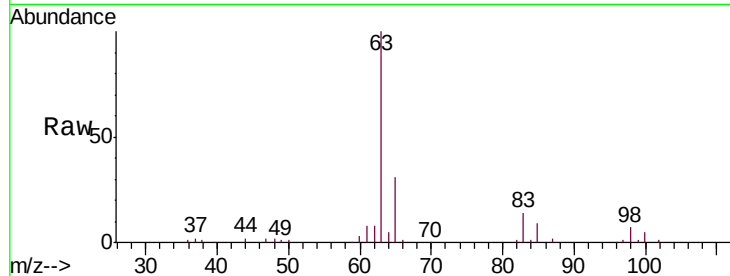




#19
 1,1-Dichloroethane
 Concen: 5.236 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

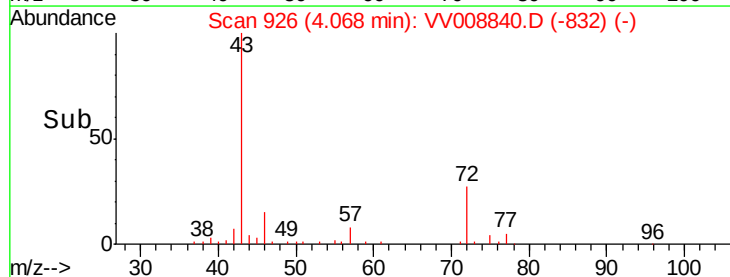
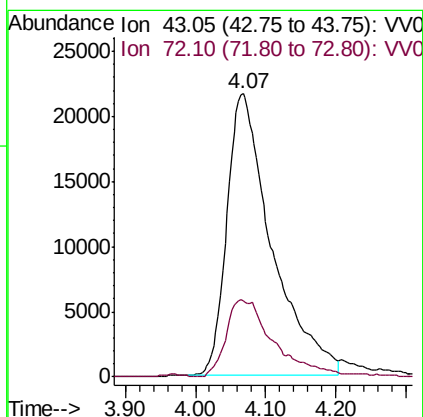
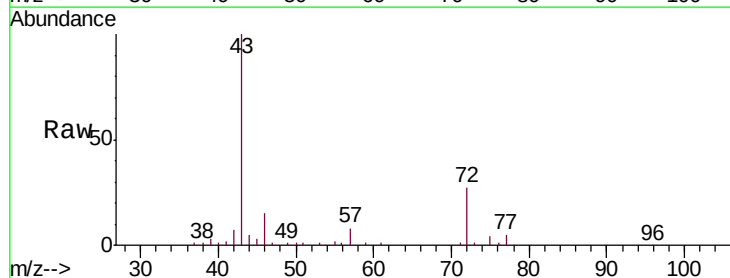
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

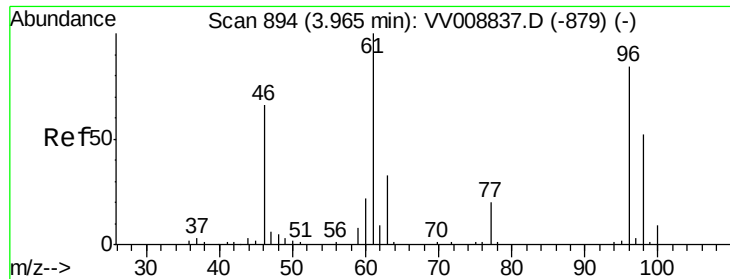
Tgt Ion: 63 Resp: 81880
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 40.8
 83 13.7 10.1 18.7



#21
 2-Butanone
 Concen: 52.051 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Tgt Ion: 43 Resp: 95750
 Ion Ratio Lower Upper
 43 100
 72 28.9 13.7 41.1



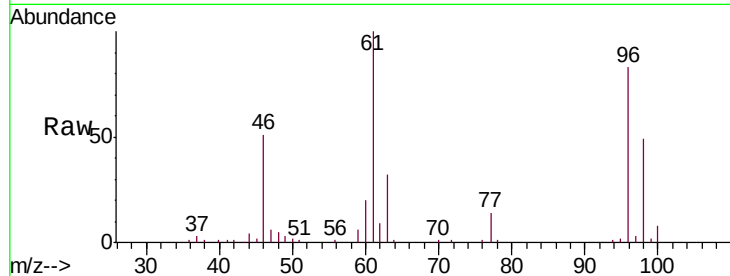


#22

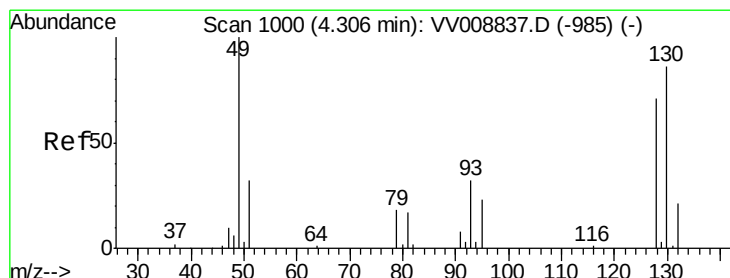
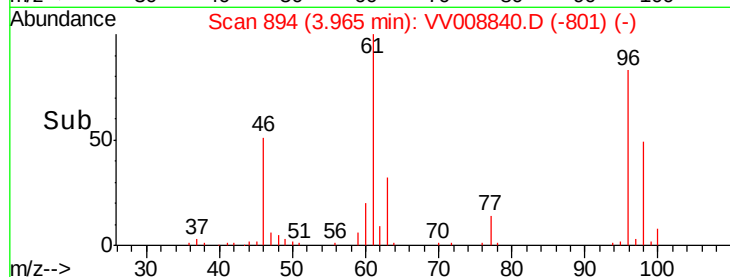
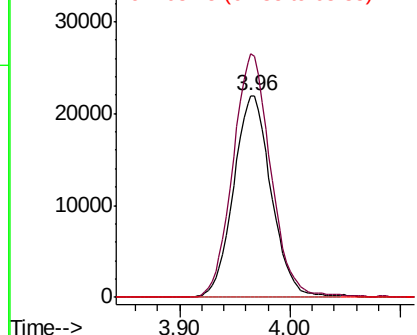
cis-1,2-Dichloroethene
Concen: 5.292 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Instrument :
MSVOA_V
ClientSampleId :
VICV69

Tgt Ion: 96 Resp: 51830
Ion Ratio Lower Upper
96 100
61 120.8 83.2 154.6
68 0.0 0.0 0.0



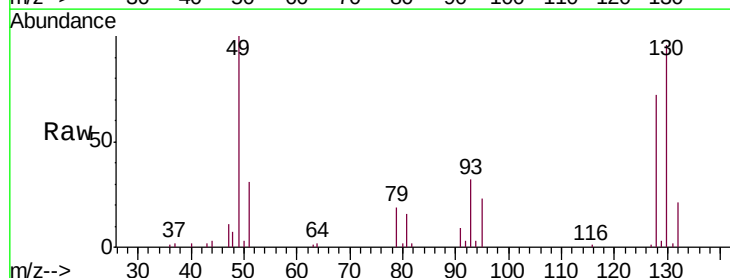
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



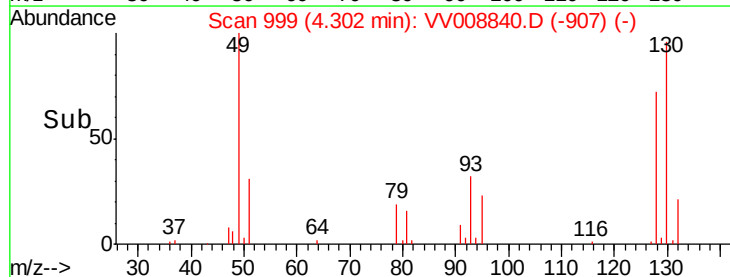
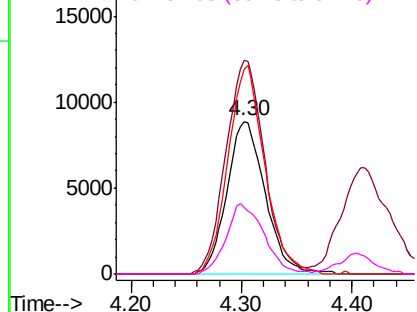
#23

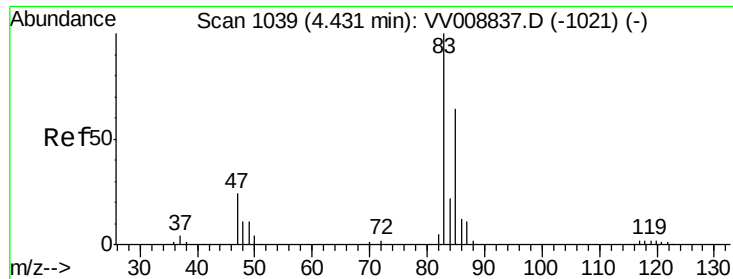
Bromochloromethane
Concen: 5.155 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion: 128 Resp: 21358
Ion Ratio Lower Upper
128 100
49 139.8 98.1 182.3
130 134.3 84.2 156.4
51 43.7 35.4 53.2



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.024 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

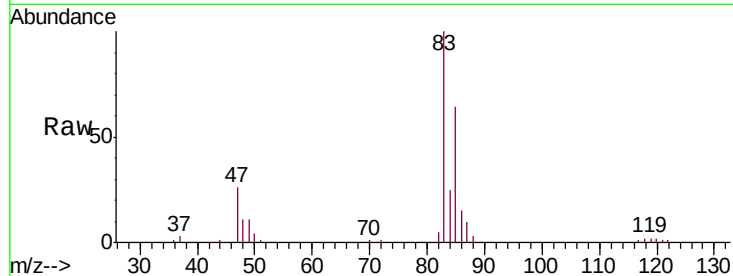
VICV69

Tgt Ion: 83 Resp: 85150

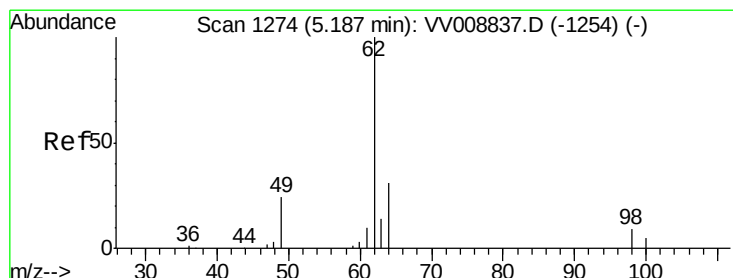
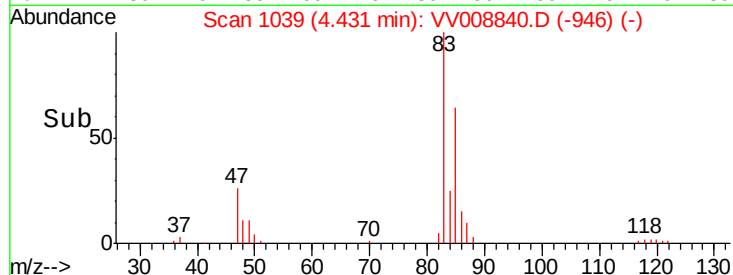
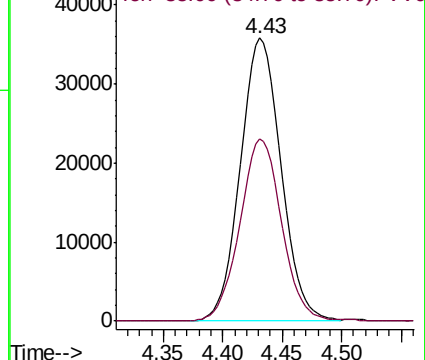
Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VV008840.D (-946) (-)



#27

1,2-Dichloroethane

Concen: 5.161 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VV008840.D

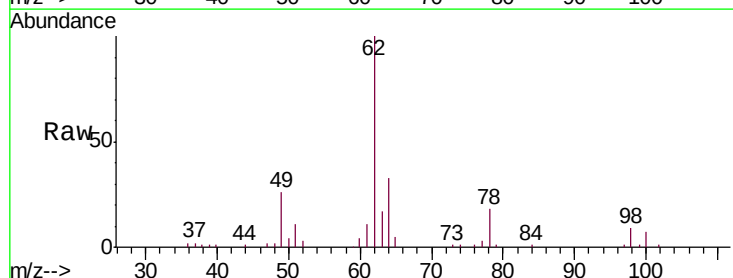
Acq: 05 Dec 2018 12:14

Tgt Ion: 62 Resp: 49922

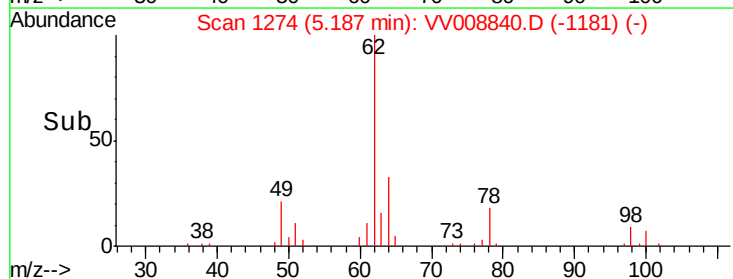
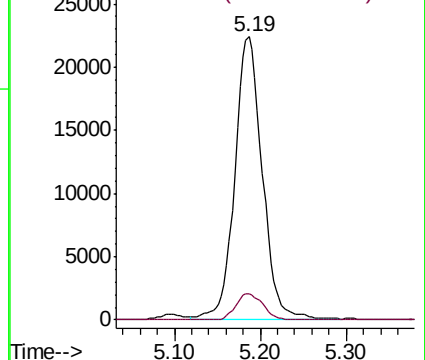
Ion Ratio Lower Upper

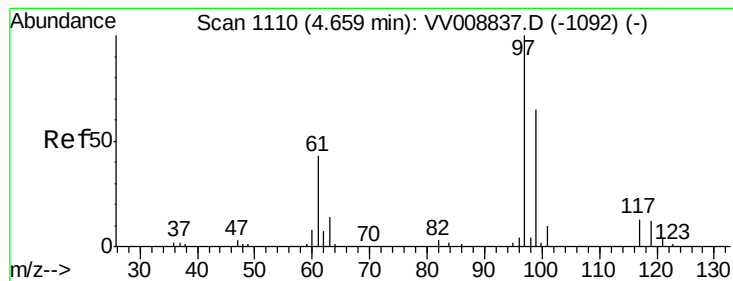
62 100

98 9.2 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VV008840.D (-1181) (-)





#29

1,1,1-Trichloroethane

Concen: 5.134 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VICV69

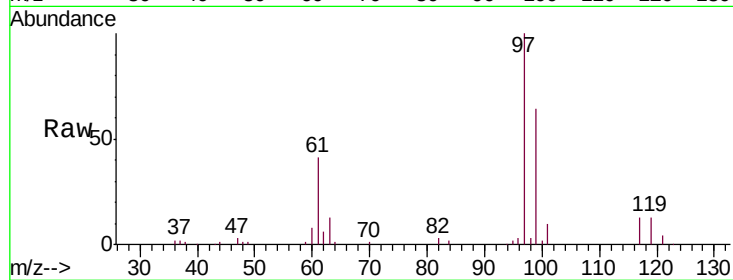
Tgt Ion: 97 Resp: 76097

Ion Ratio Lower Upper

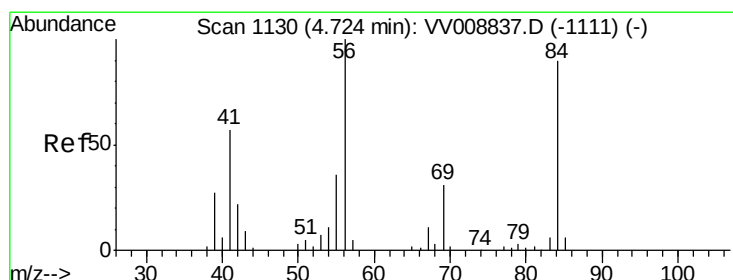
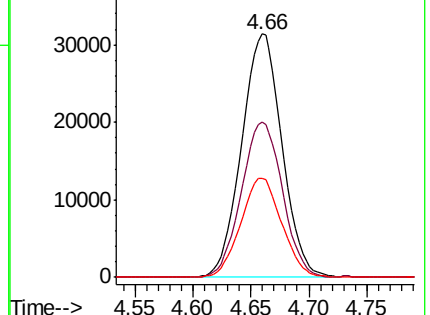
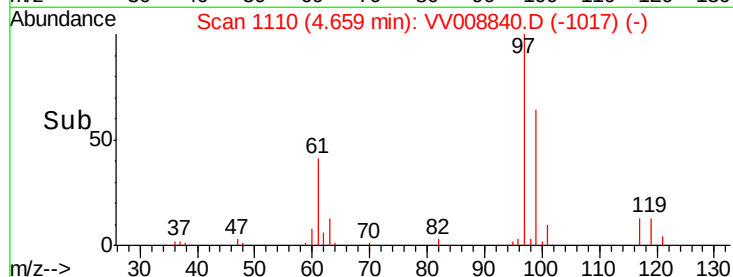
97 100

99 64.6 50.7 76.1

61 41.4 34.0 51.0



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.370 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

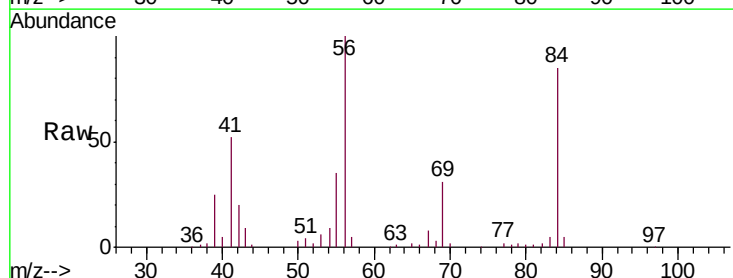
Tgt Ion: 56 Resp: 76500

Ion Ratio Lower Upper

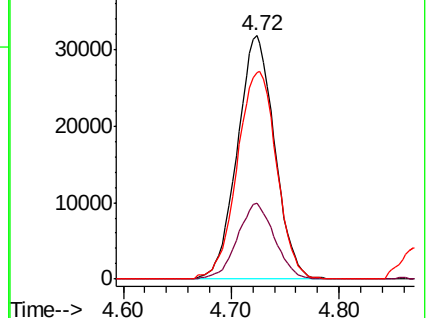
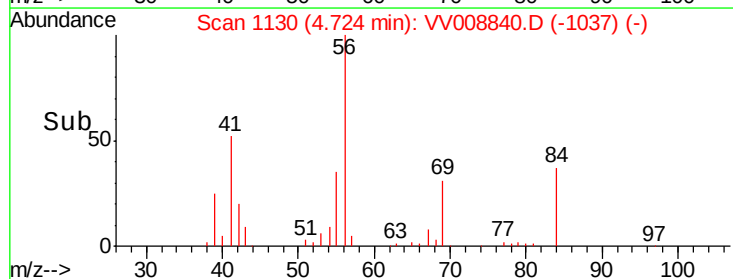
56 100

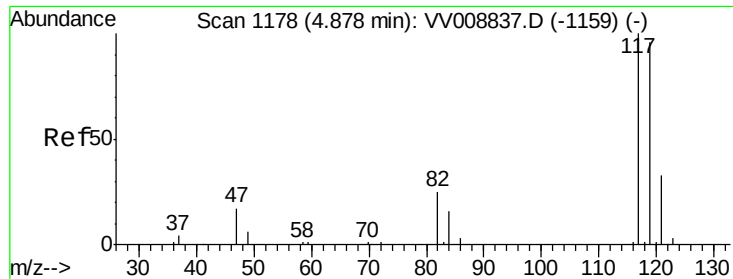
69 31.0 25.4 38.2

84 90.2 72.2 108.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.135 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

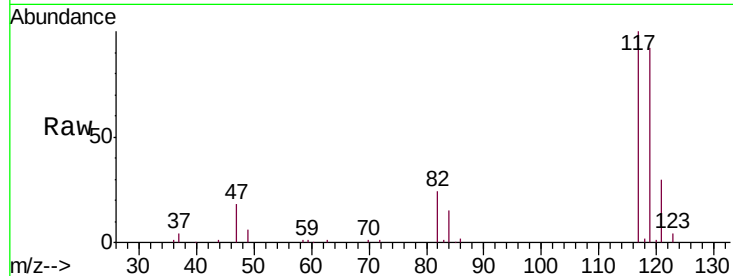
VICV69

Tgt Ion:117 Resp: 68505

Ion Ratio Lower Upper

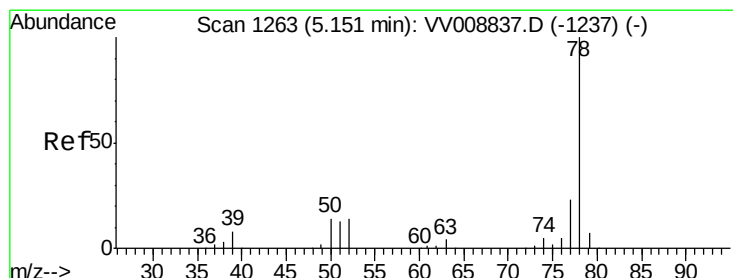
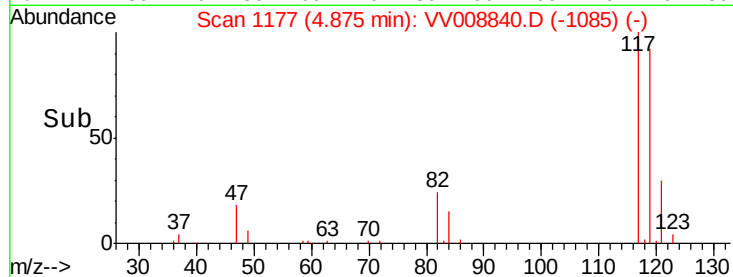
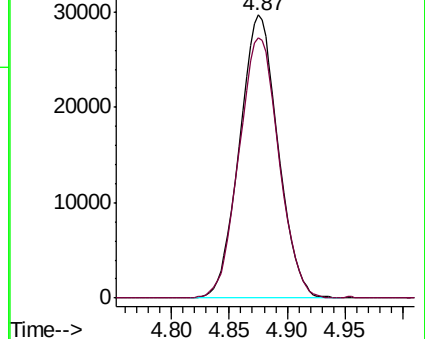
117 100

119 95.4 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: 5.269 ug/L

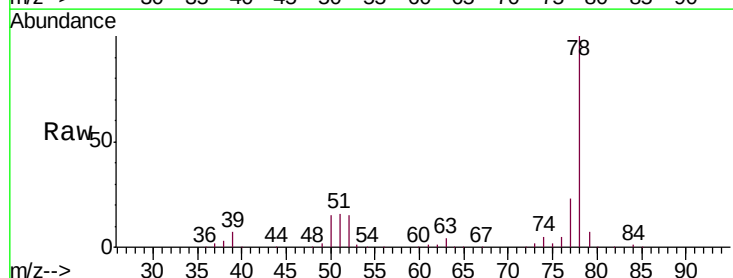
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

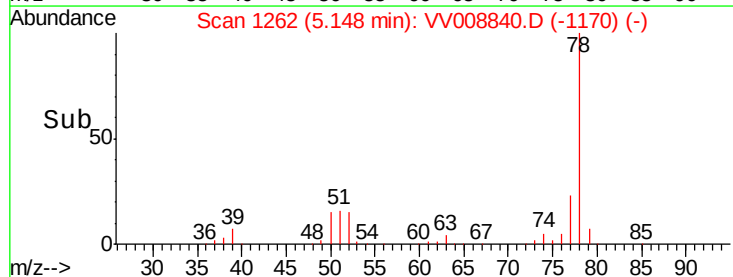
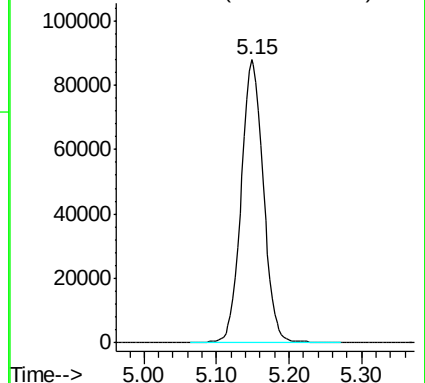
Lab File: VV008840.D

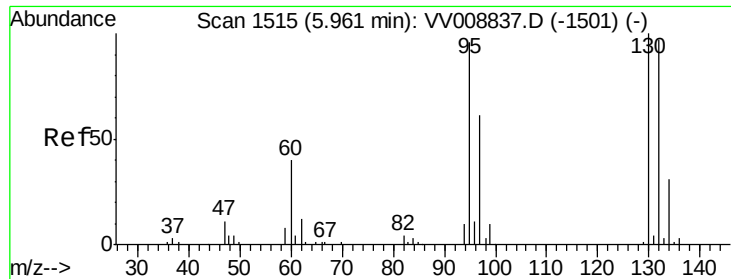
Acq: 05 Dec 2018 12:14

Tgt Ion: 78 Resp: 187501



Abundance Ion 78.10 (77.80 to 78.80): VV0

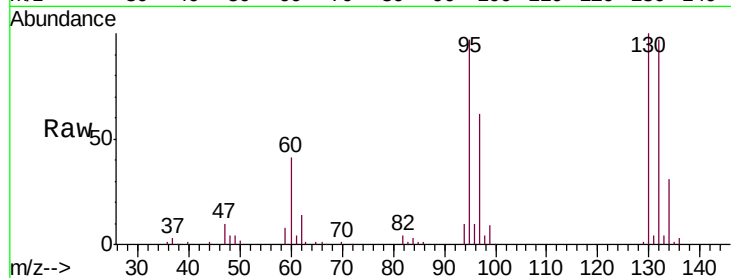




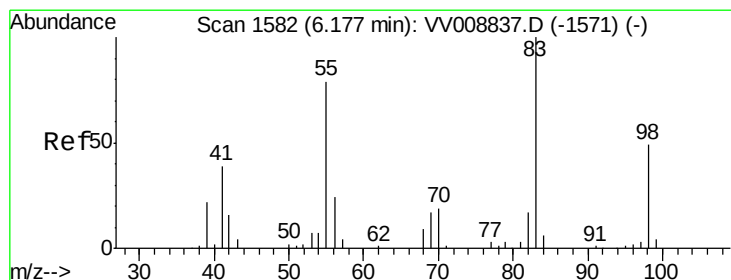
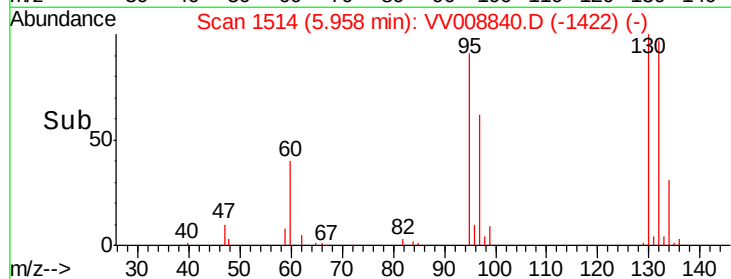
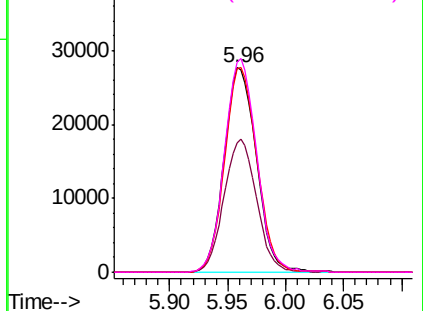
#34
 Trichloroethene
 Concen: 5.137 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Tgt Ion: 95 Resp: 53169
 Ion Ratio Lower Upper
 95 100
 97 63.6 44.4 82.5
 132 99.5 70.7 131.3
 130 102.6 72.9 135.3

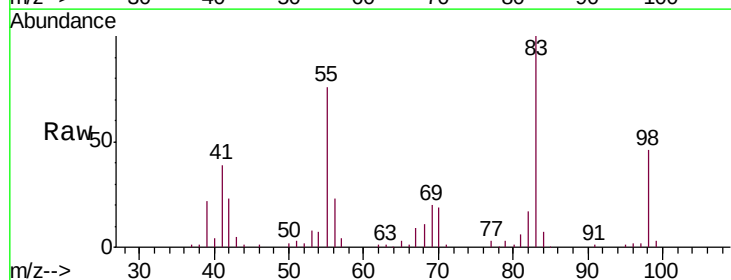


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

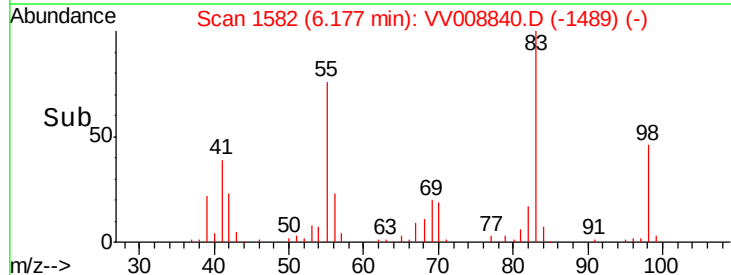
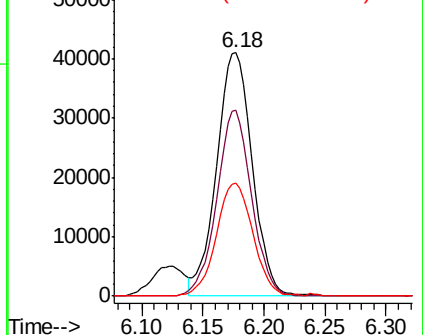


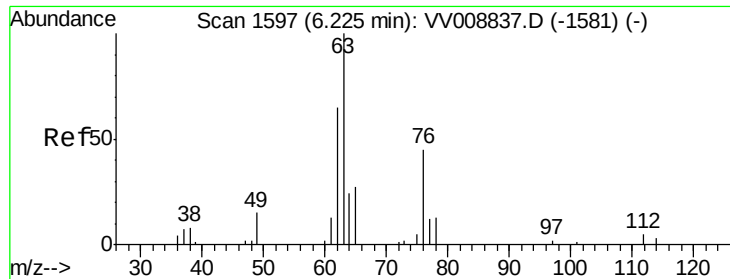
#35
 Methylcyclohexane
 Concen: 5.158 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Tgt Ion: 83 Resp: 84444
 Ion Ratio Lower Upper
 83 100
 55 74.1 60.0 90.0
 98 47.3 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

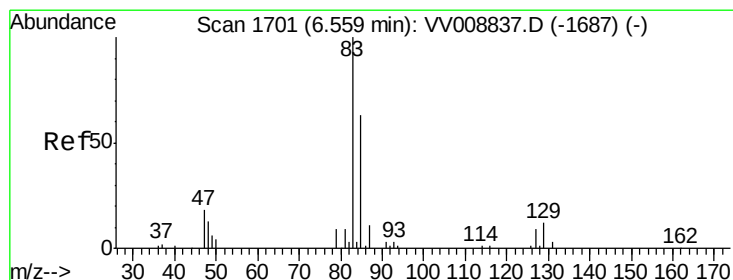
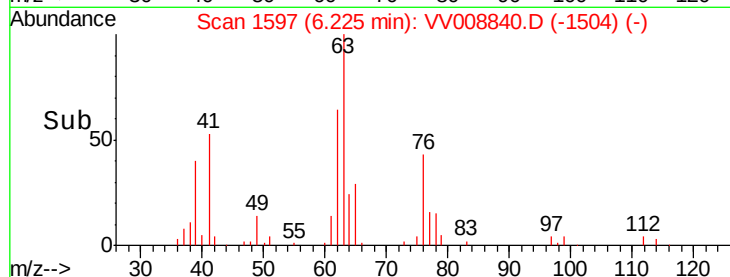
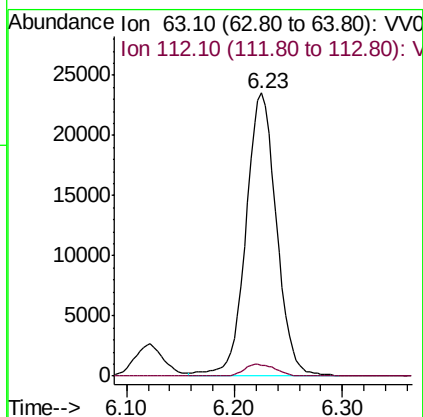
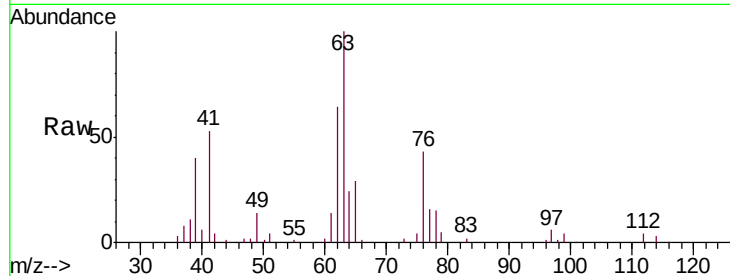




#37
 1,2-Dichloropropane
 Concen: 5.313 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

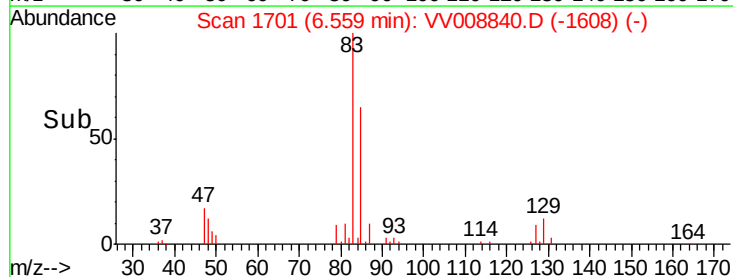
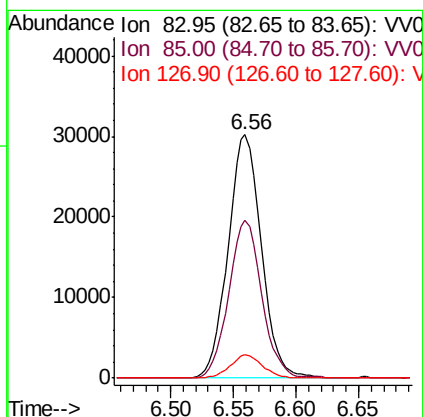
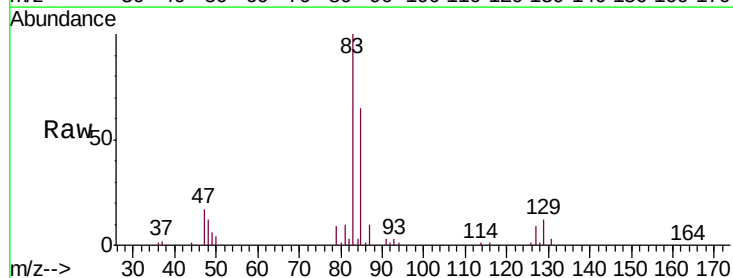
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

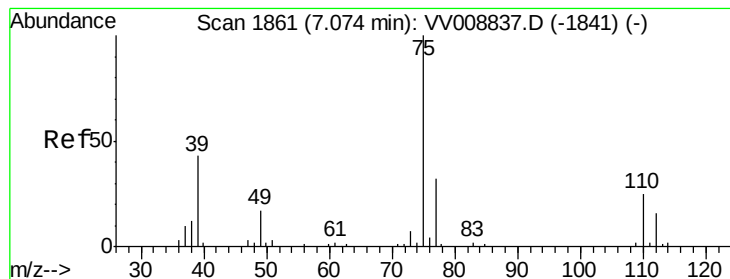
Tgt Ion: 63 Resp: 46333
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.185 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Tgt Ion: 83 Resp: 55644
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.2 82.0
 127 9.4 7.5 11.3



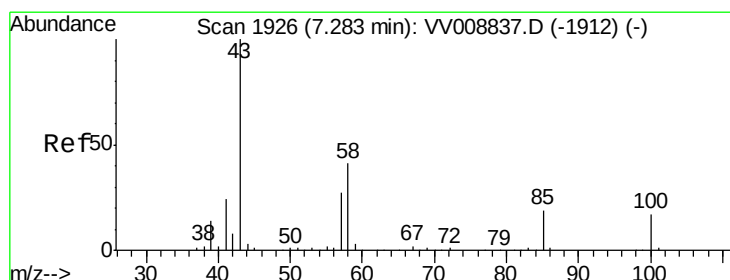
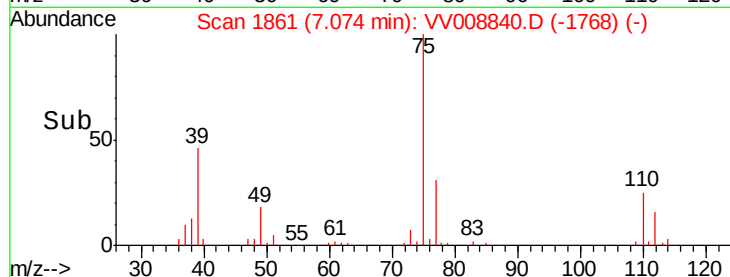
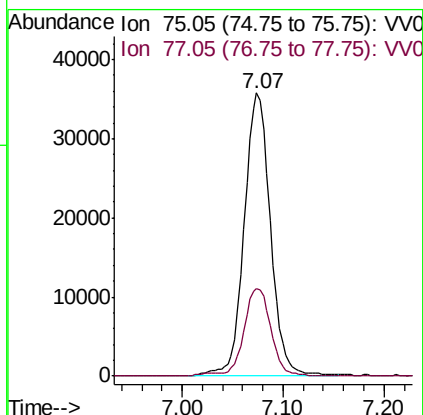
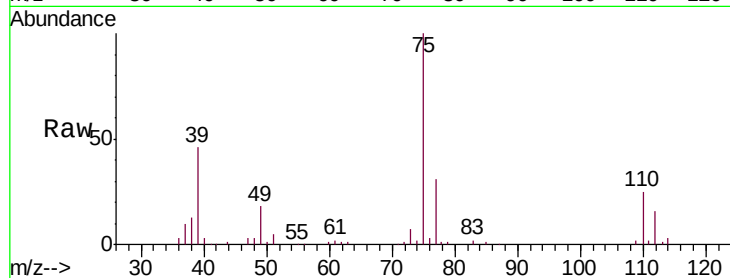


#39

cis-1,3-Dichloropropene
Concen: 5.263 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Instrument :
MSVOA_V
ClientSampleId :
VICV69

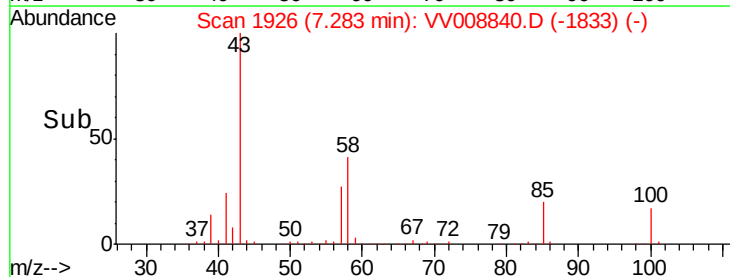
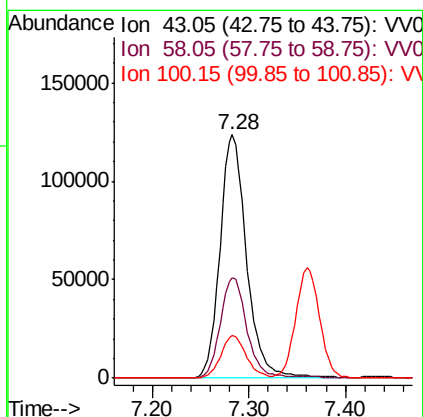
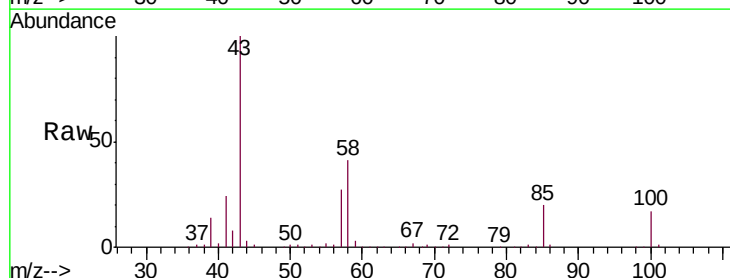
Tgt Ion: 75 Resp: 64325
Ion Ratio Lower Upper
75 100
77 30.9 22.3 41.3

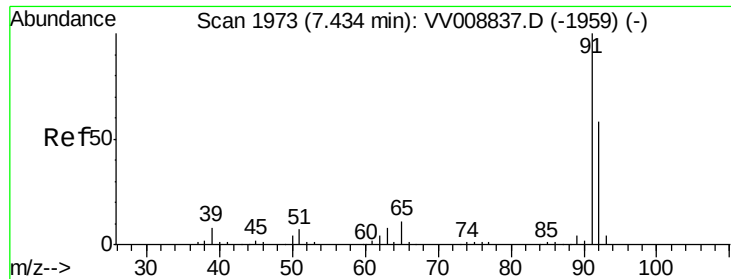


#40

4-Methyl-2-pentanone
Concen: 53.240 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion: 43 Resp: 235520
Ion Ratio Lower Upper
43 100
58 41.1 32.6 48.8
100 16.8 13.4 20.0





#42

Toluene

Concen: 5.209 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

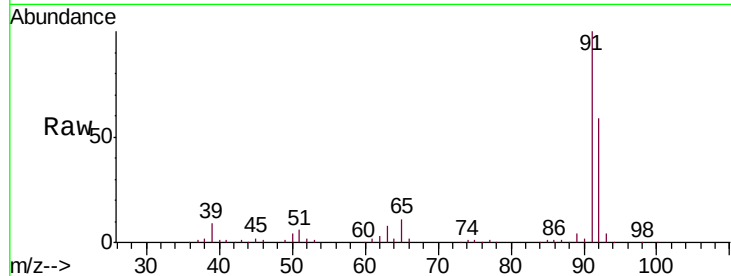
VICV69

Tgt Ion: 91 Resp: 200077

Ion Ratio Lower Upper

91 100

92 59.1 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

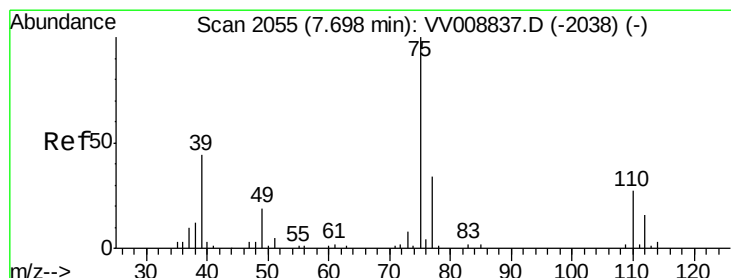
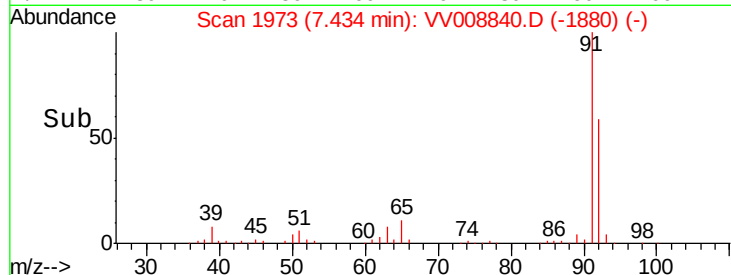
100000

50000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 5.366 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008840.D

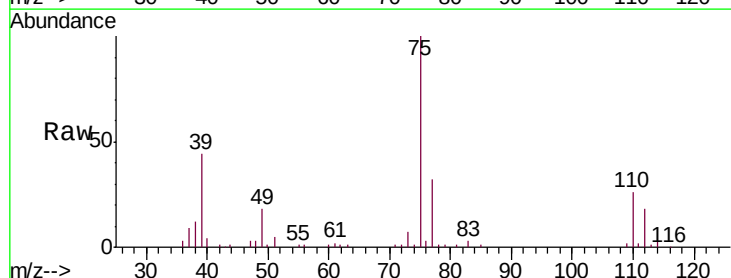
Acq: 05 Dec 2018 12:14

Tgt Ion: 75 Resp: 50873

Ion Ratio Lower Upper

75 100

77 31.7 23.6 43.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

30000

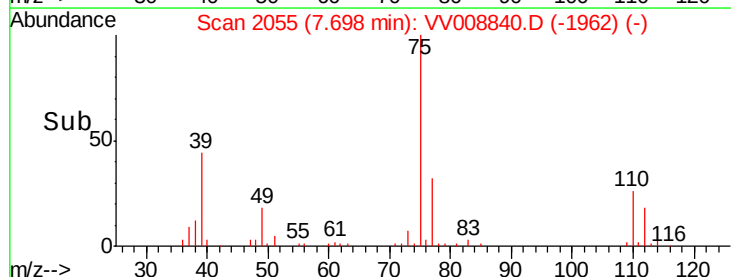
20000

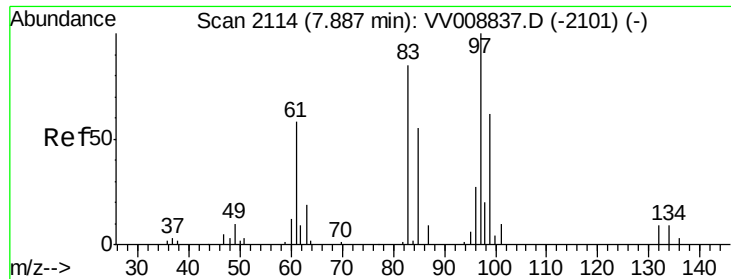
10000

0

Time-->

7.60 7.65 7.70 7.75 7.80

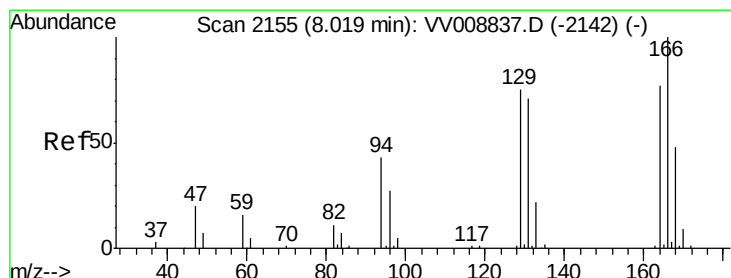
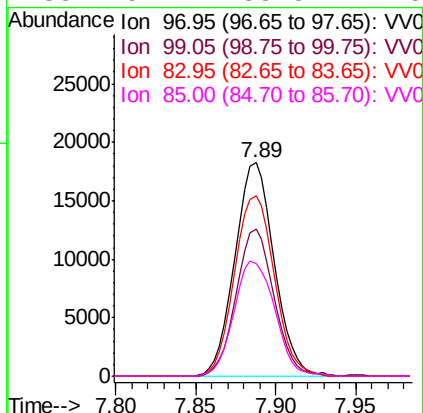
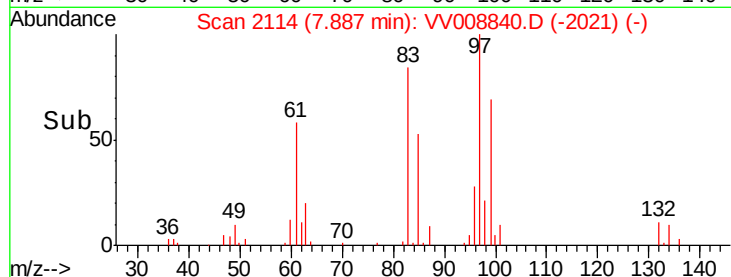
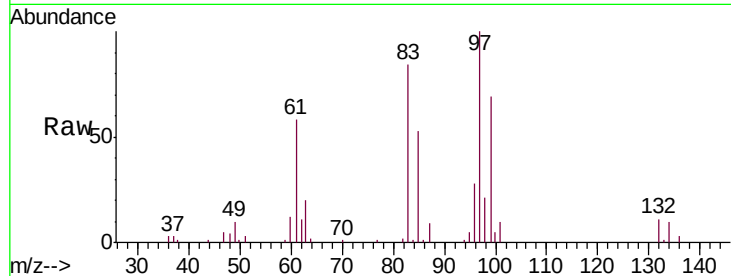




#45
 1,1,2-Trichloroethane
 Concen: 5.007 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

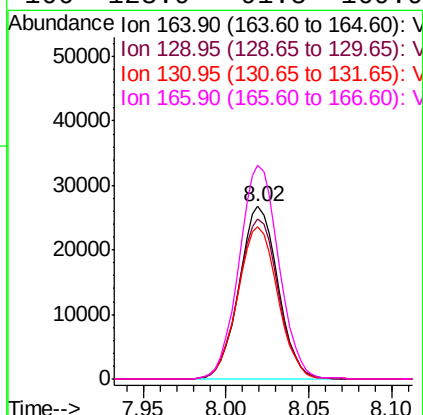
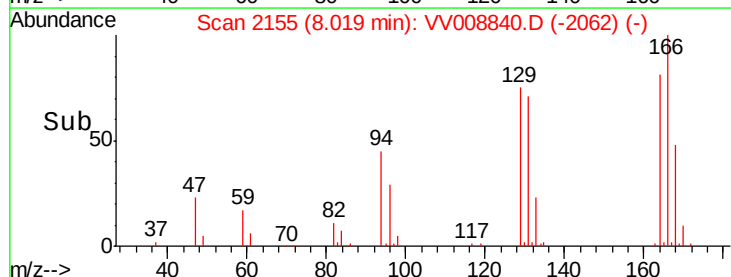
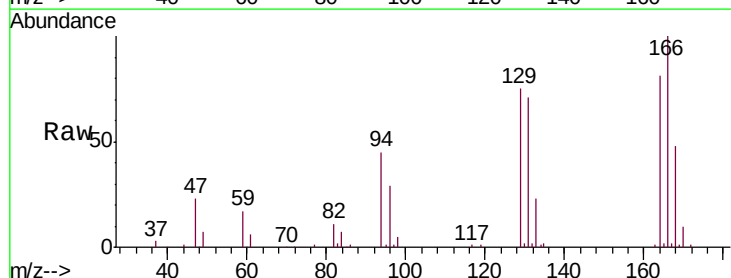
Instrument :
 MSVOA_V
 ClientSampled :
 VICV69

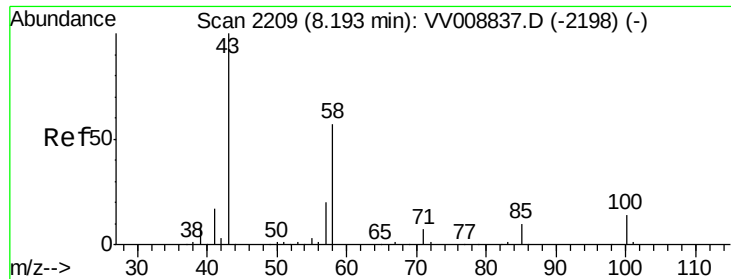
Tgt Ion:	97	Resp:	30656
Ion	Ratio	Lower	Upper
97	100		
99	68.9	43.3	80.3
83	84.3	59.4	110.2
85	52.7	38.5	71.5



#47
 Tetrachloroethene
 Concen: 5.247 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Tgt Ion:	164	Resp:	43569
Ion	Ratio	Lower	Upper
164	100		
129	92.9	68.8	127.8
131	88.3	64.8	120.4
166	123.9	91.5	169.9

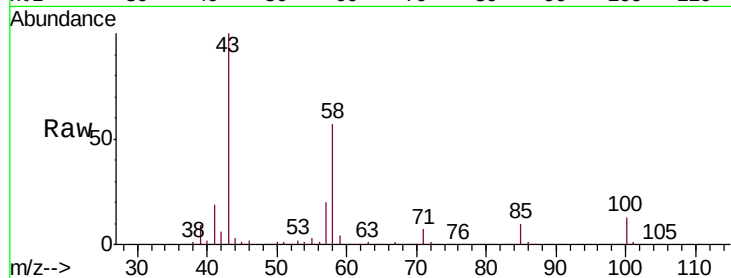




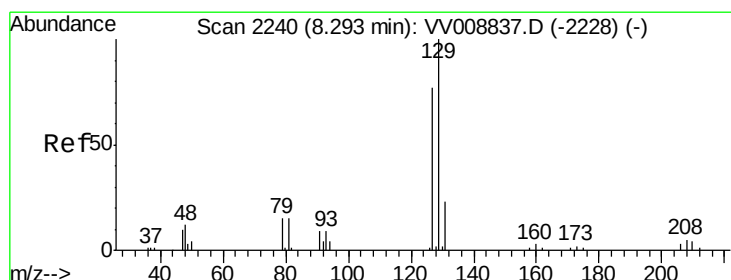
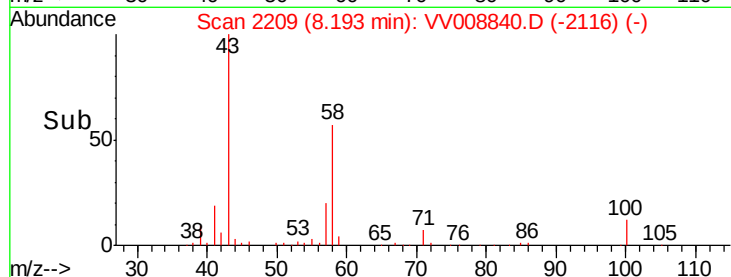
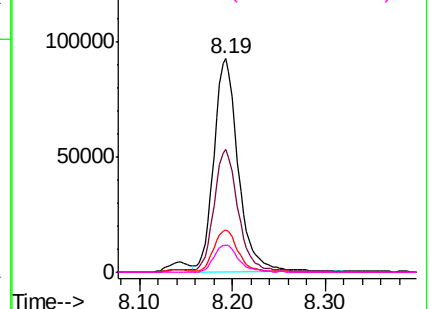
#48
2-Hexanone
Concen: 54.239 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Instrument :
MSVOA_V
ClientSampleId :
VICV69

Tgt Ion: 43 Resp: 169141
Ion Ratio Lower Upper
43 100
58 56.0 44.4 66.6
57 20.5 15.8 23.8
100 12.9 10.9 16.3

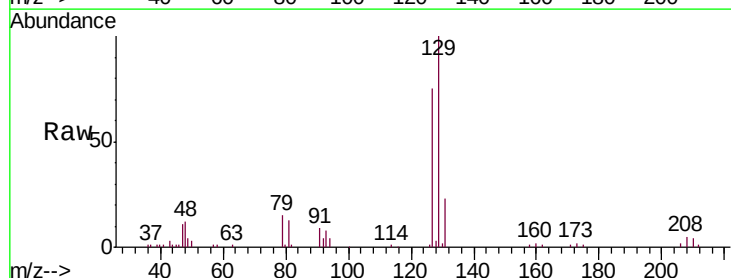


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

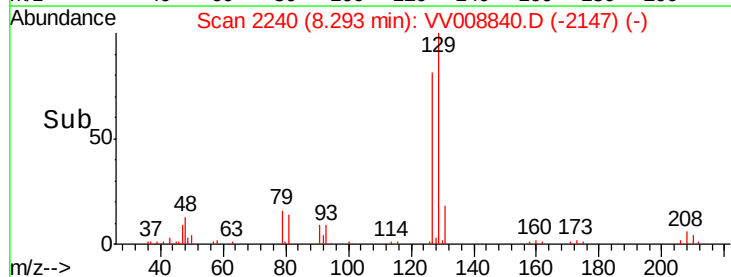
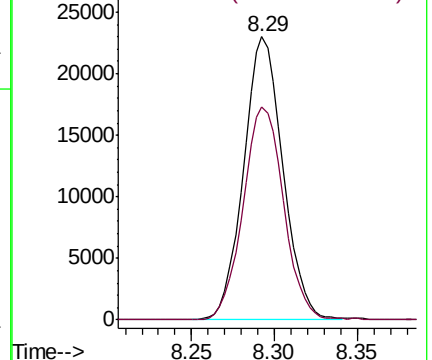


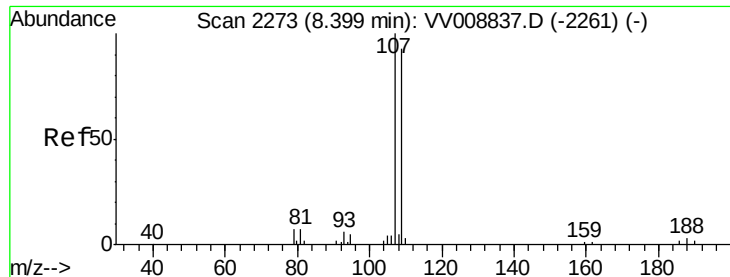
#49
Dibromochloromethane
Concen: 5.284 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion: 129 Resp: 37842
Ion Ratio Lower Upper
129 100
127 75.4 54.0 100.4



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

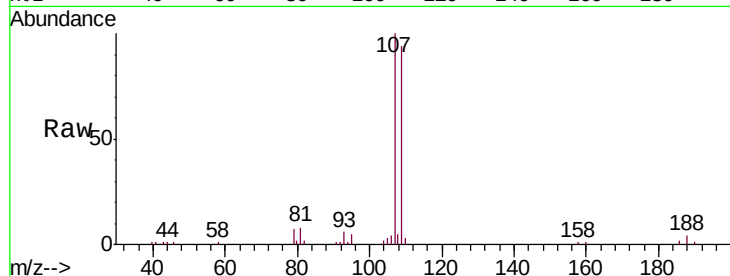




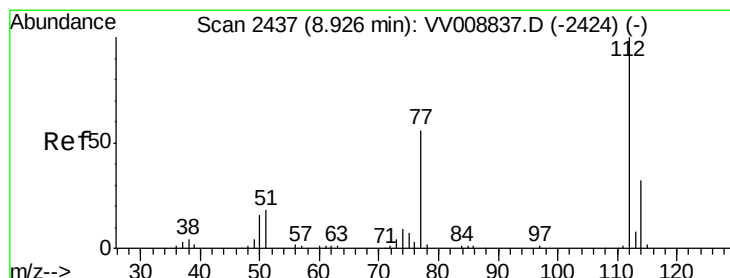
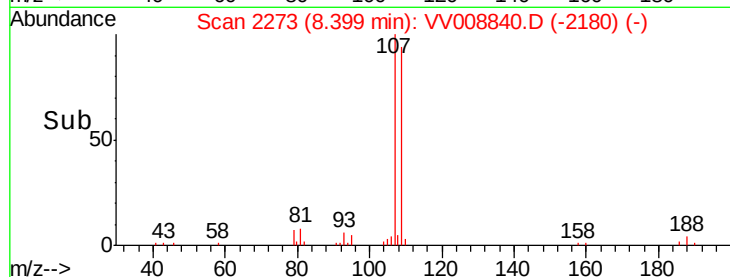
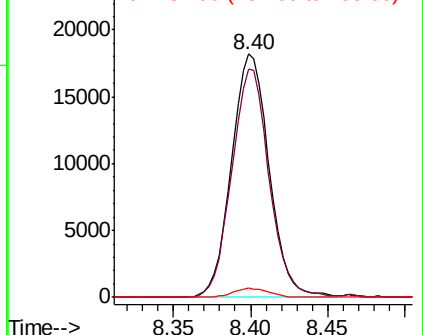
#50
 1,2-Dibromoethane
 Concen: 5.354 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV69

Tgt Ion:107 Resp: 30719
 Ion Ratio Lower Upper
 107 100
 109 93.6 65.3 121.3
 188 3.7 2.5 3.7

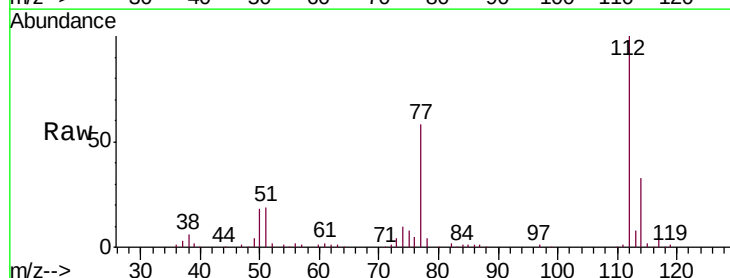


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

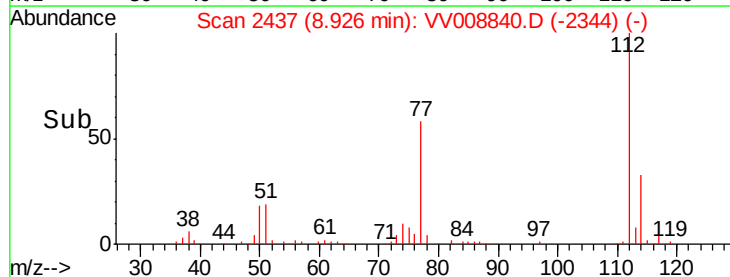
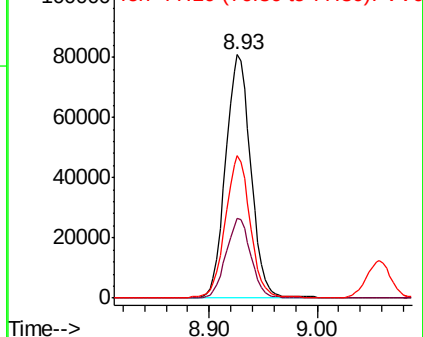


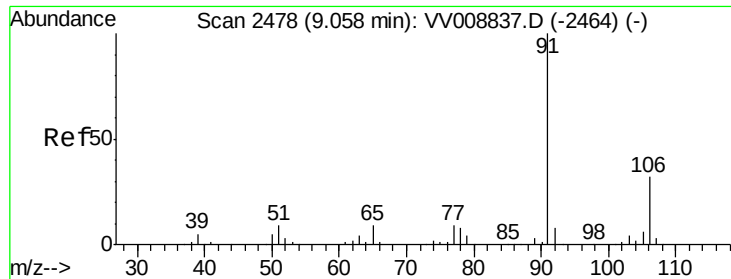
#51
 Chlorobenzene
 Concen: 5.218 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Tgt Ion:112 Resp: 131885
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.3 41.5
 77 58.4 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): V





#52

Ethylbenzene

Concen: 5.301 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

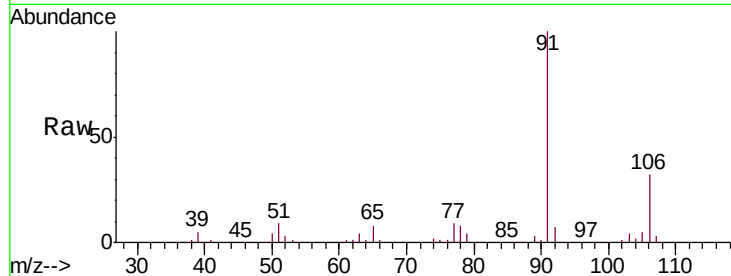
VICV69

Tgt Ion: 91 Resp: 222298

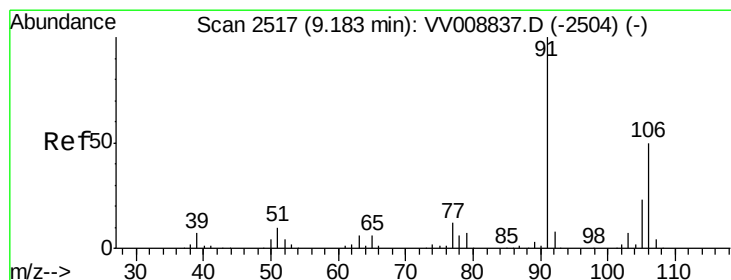
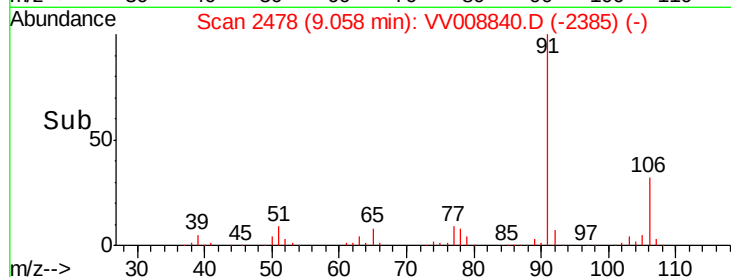
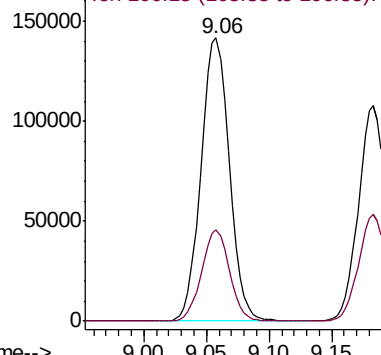
Ion Ratio Lower Upper

91 100

106 32.2 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV008840.D (-2385) (-)



#53

m,p-xylene

Concen: 5.327 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008840.D

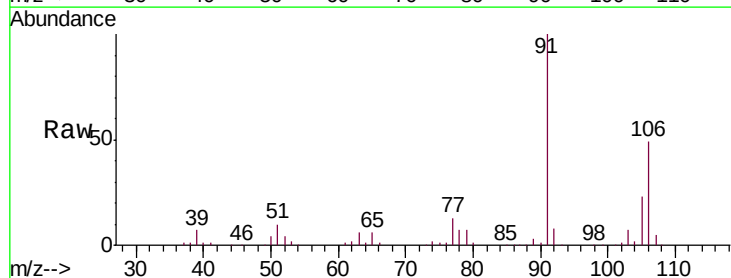
Acq: 05 Dec 2018 12:14

Tgt Ion: 106 Resp: 85336

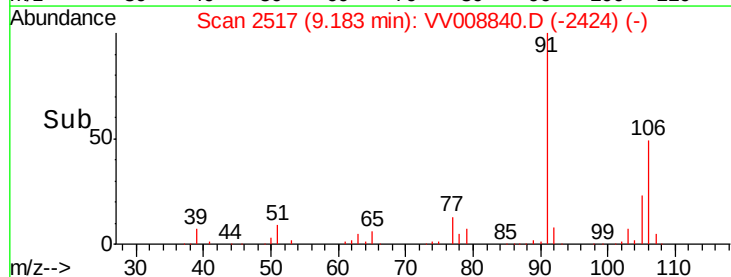
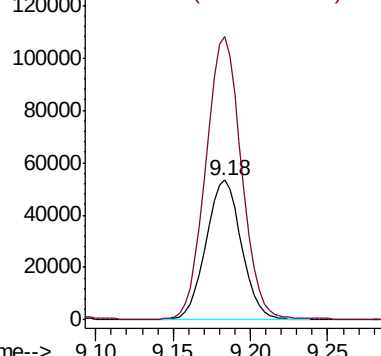
Ion Ratio Lower Upper

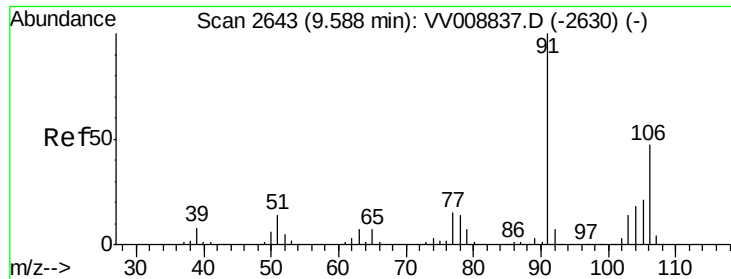
106 100

91 202.3 141.9 263.5



Abundance Ion 106.15 (105.85 to 106.85): VV008840.D (-2424) (-)

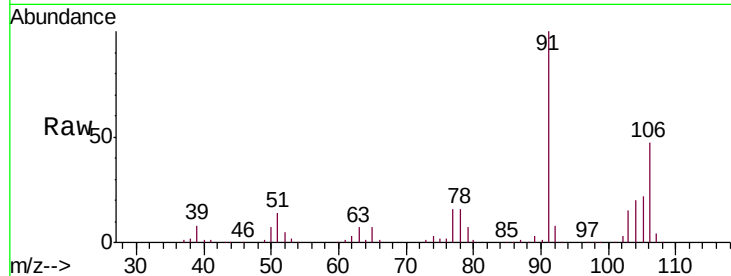




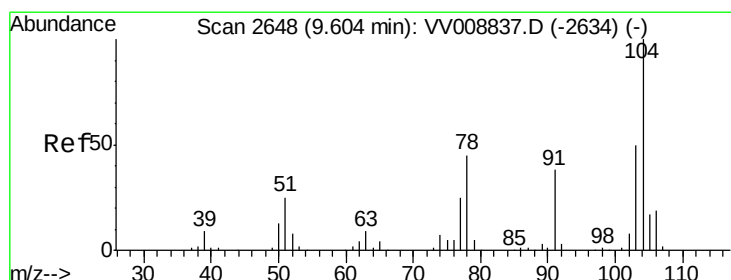
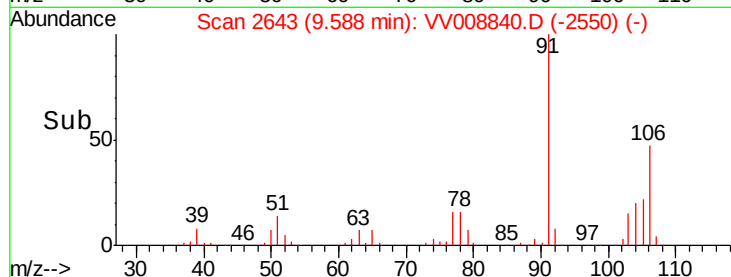
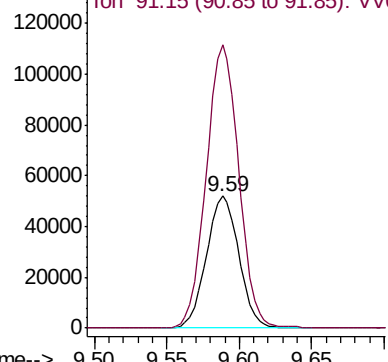
#54
o-xylene
Concen: 5.290 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Instrument :
MSVOA_V
ClientSampled :
VICV69

Tgt Ion:106 Resp: 80823
Ion Ratio Lower Upper
106 100
91 214.5 149.0 276.6

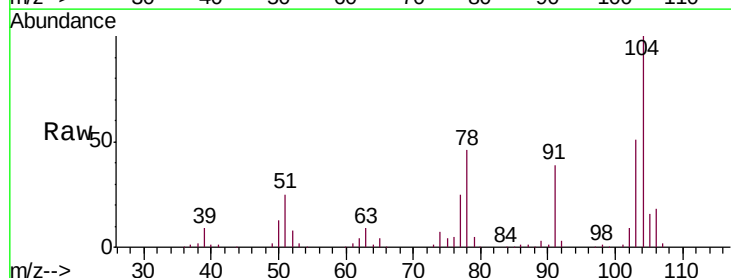


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

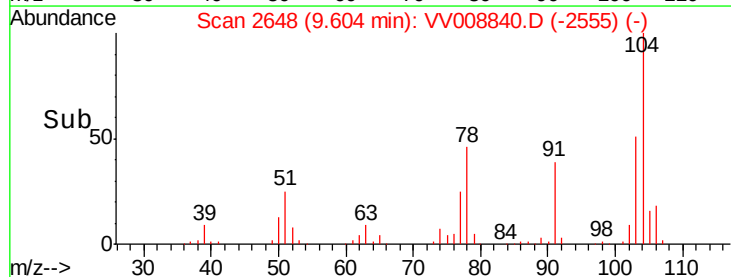
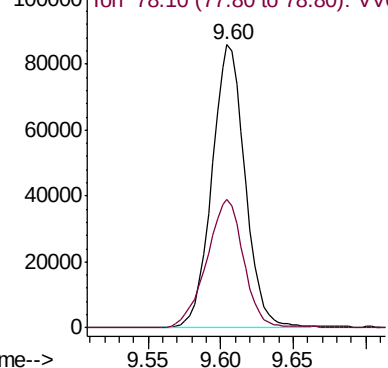


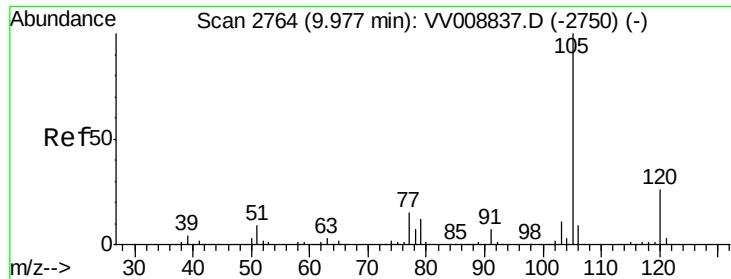
#55
Styrene
Concen: 5.402 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008840.D
Acq: 05 Dec 2018 12:14

Tgt Ion:104 Resp: 136543
Ion Ratio Lower Upper
104 100
78 45.6 31.4 58.4



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





#56

Isopropylbenzene

Concen: 5.352 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VICV69

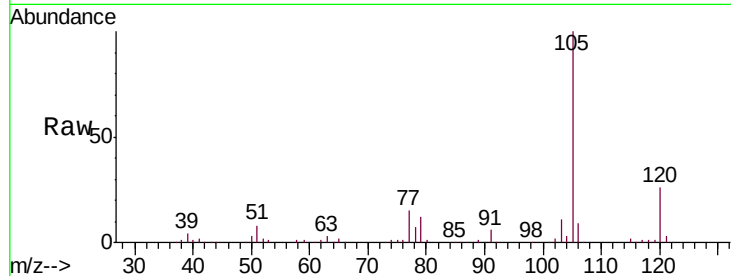
Tgt Ion: 105 Resp: 221255

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

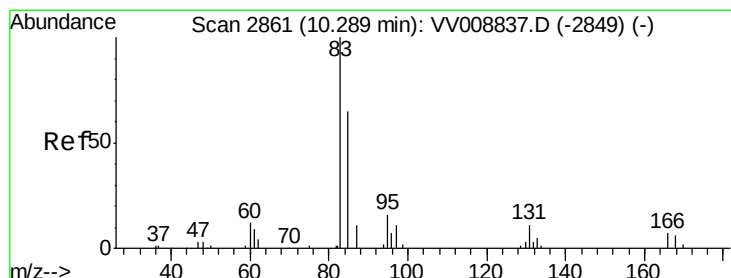
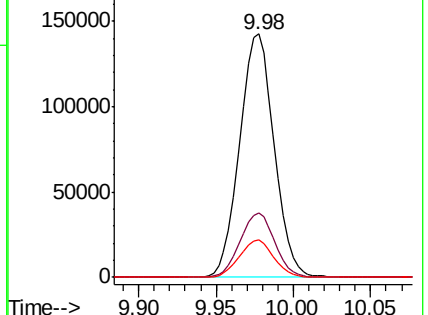
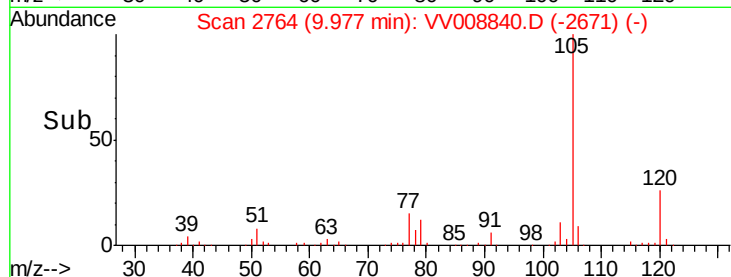
77 15.4 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): VV008840.D (-2671) (-)

Ion 120.10 (119.80 to 120.80): VV008840.D (-2671) (-)

Ion 77.10 (76.80 to 77.80): VV008840.D (-2671) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.419 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

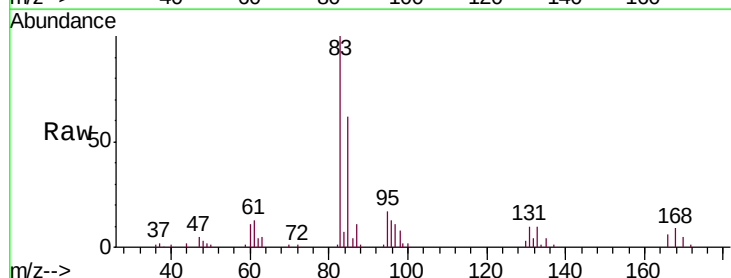
Tgt Ion: 83 Resp: 33481

Ion Ratio Lower Upper

83 100

85 61.8 45.8 85.0

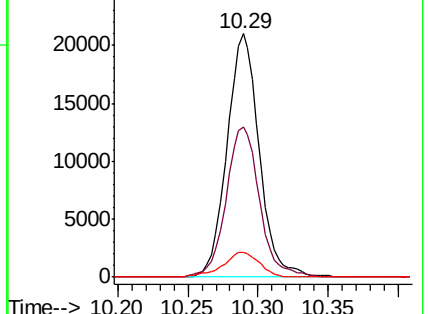
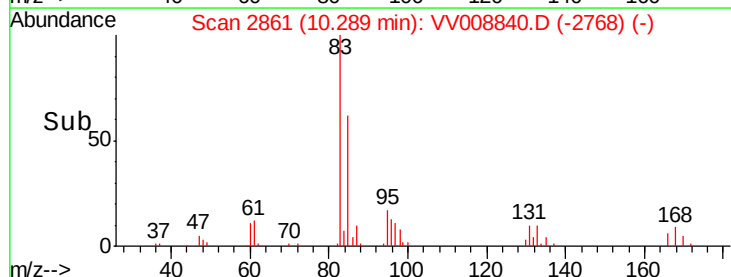
131 10.3 9.6 14.4

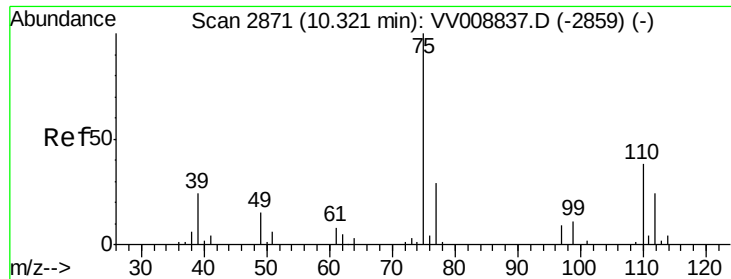


Abundance Ion 82.95 (82.65 to 83.65): VV008840.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008840.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV008840.D (-2768) (-)

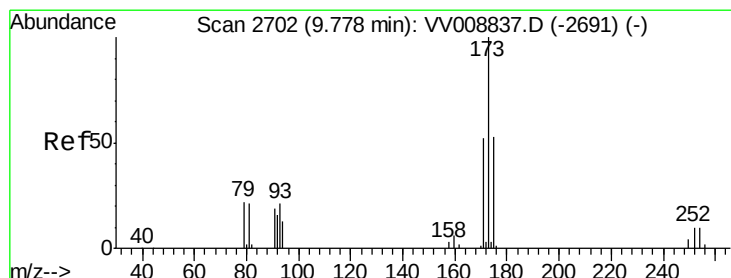
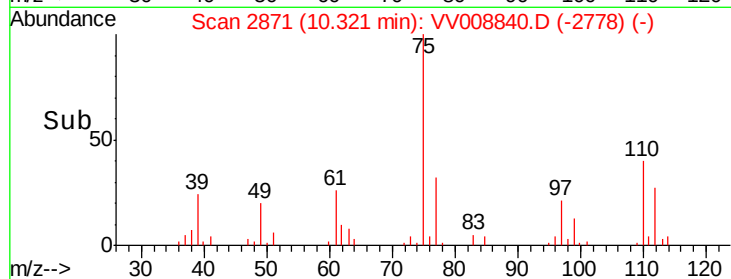
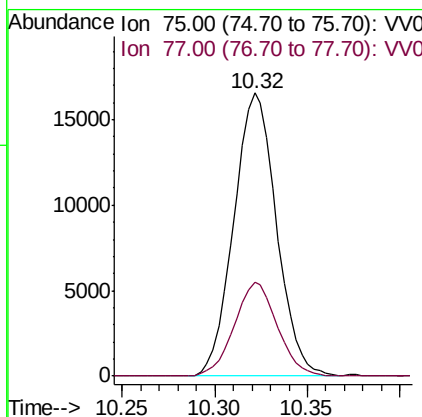
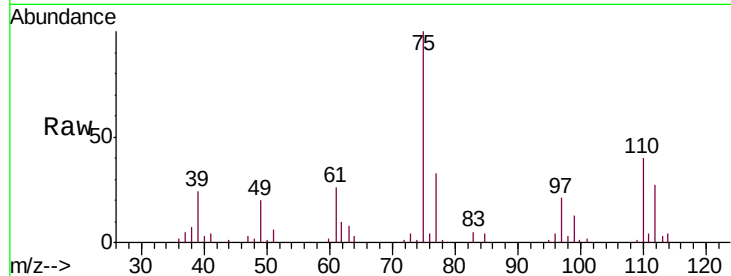




#59
 1,2,3-Trichloropropane
 Concen: 5.084 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

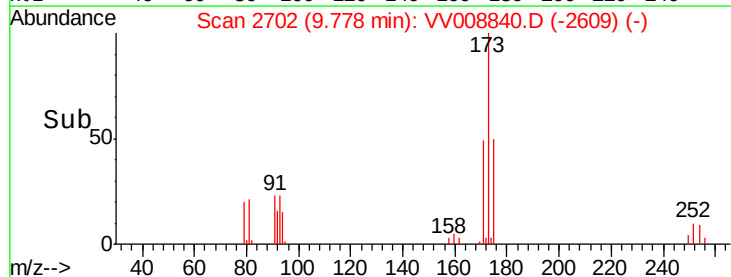
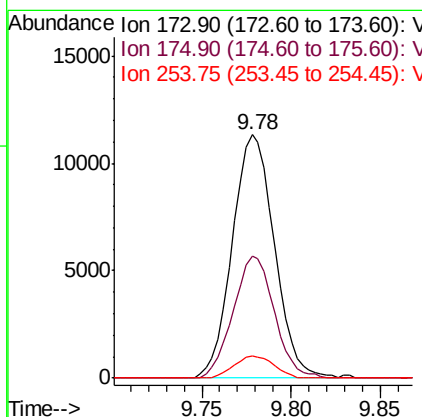
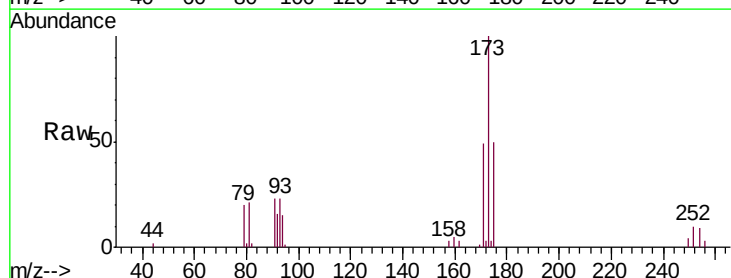
Instrument :
 MSVOA_V
 ClientSampled :
 VICV69

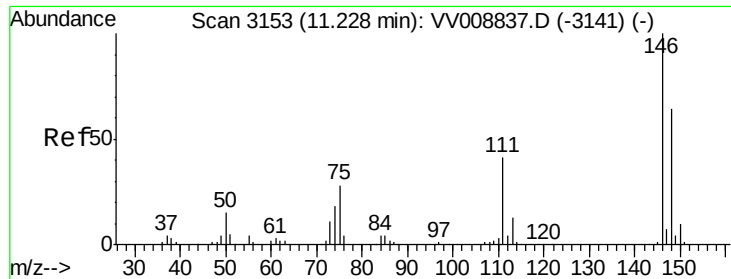
Tgt Ion: 75 Resp: 26464
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.8 37.2



#61
 Bromoform
 Concen: 4.959 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008840.D
 Acq: 05 Dec 2018 12:14

Tgt Ion: 173 Resp: 18589
 Ion Ratio Lower Upper
 173 100
 175 48.9 40.2 60.4
 254 8.6 7.0 10.6





#62

1,3-Dichlorobenzene

Concen: 5.078 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VICV69

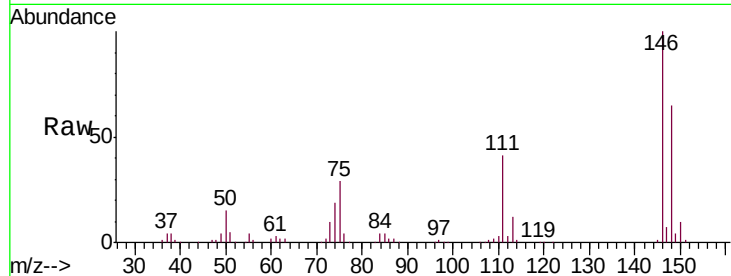
Tgt Ion:146 Resp: 103450

Ion Ratio Lower Upper

146 100

111 40.8 28.5 52.9

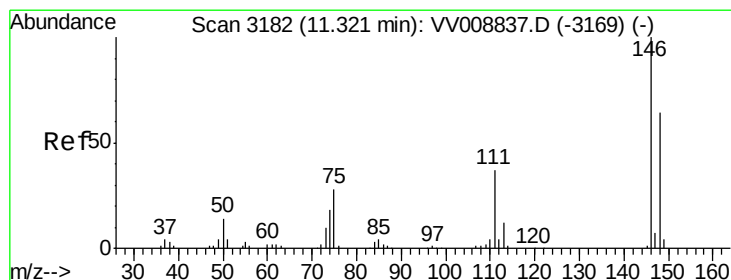
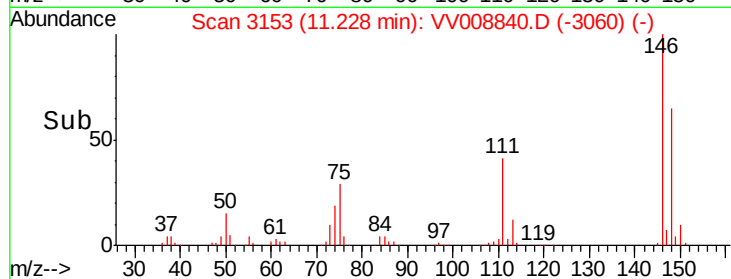
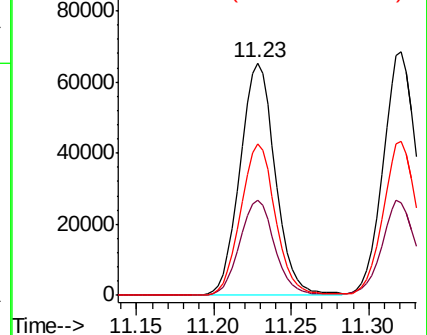
148 65.0 45.0 83.6



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: 5.133 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

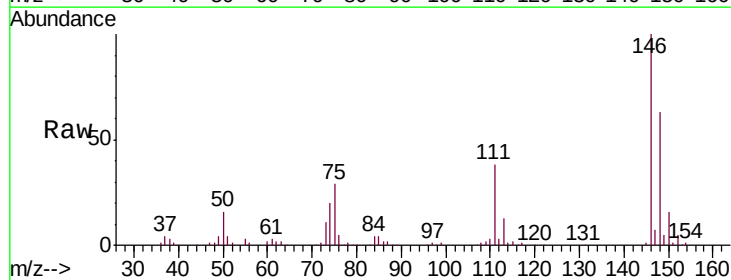
Tgt Ion:146 Resp: 106902

Ion Ratio Lower Upper

146 100

111 38.1 26.2 48.8

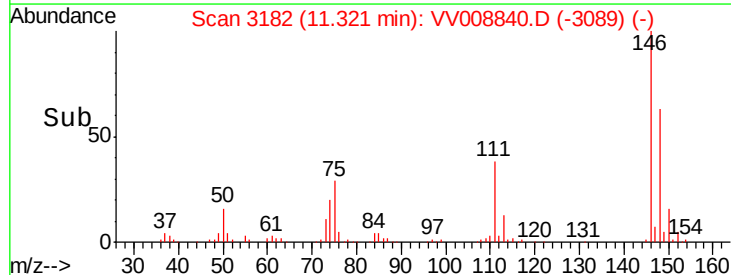
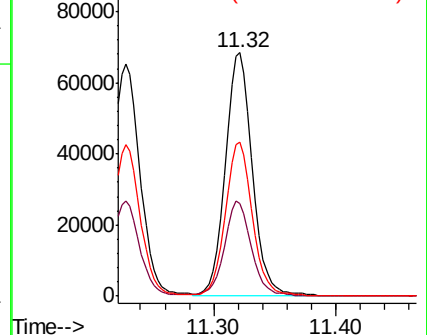
148 63.1 44.7 82.9

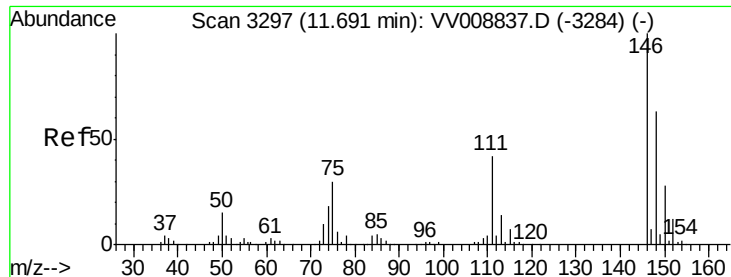


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.171 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampled :

VICV69

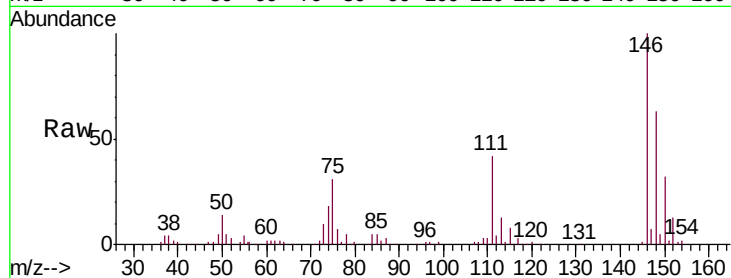
Tgt Ion:146 Resp: 97301

Ion Ratio Lower Upper

146 100

111 41.5 33.8 50.6

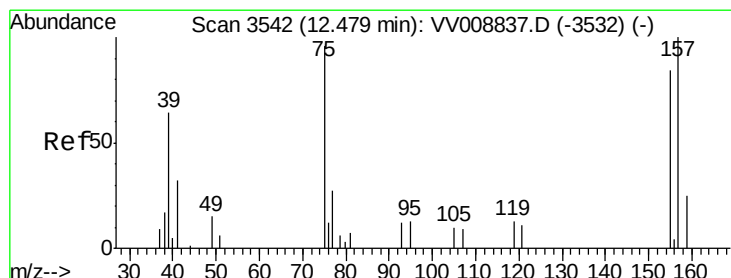
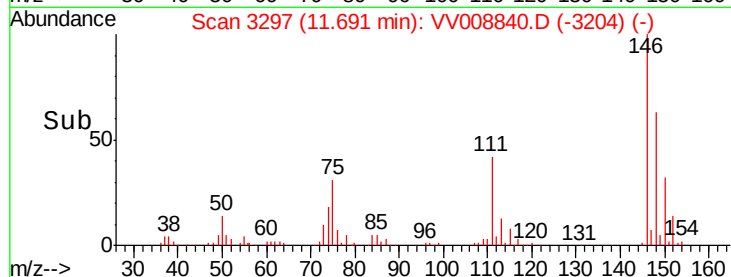
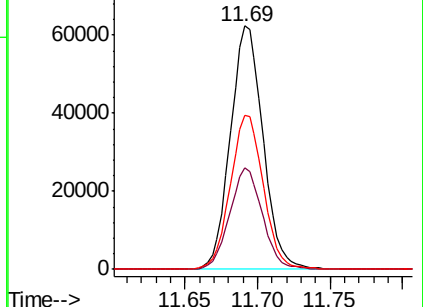
148 63.1 50.0 75.0



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: 5.305 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

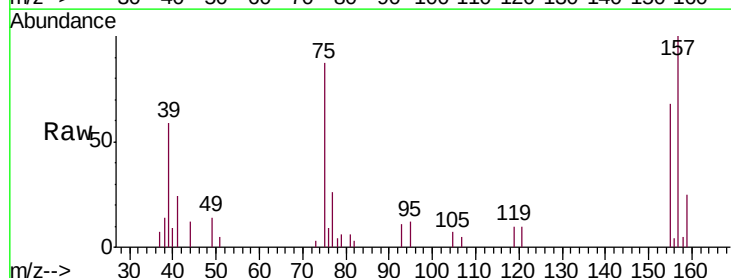
Tgt Ion: 75 Resp: 5011

Ion Ratio Lower Upper

75 100

155 78.6 70.2 105.4

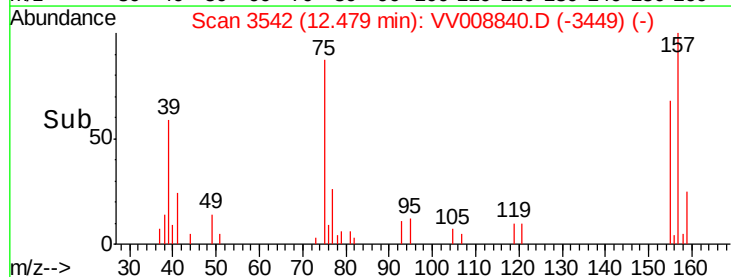
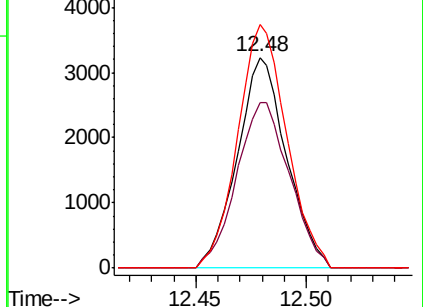
157 115.5 83.4 125.2

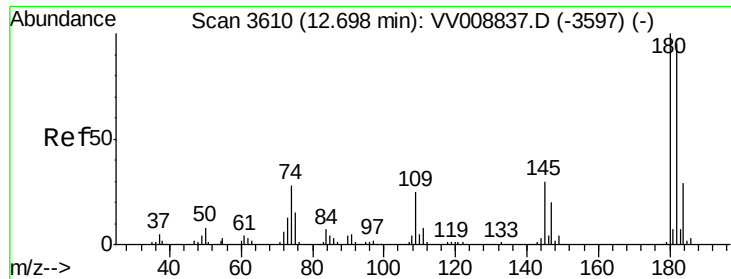


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.378 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VICV69

Tgt Ion:180 Resp: 81555

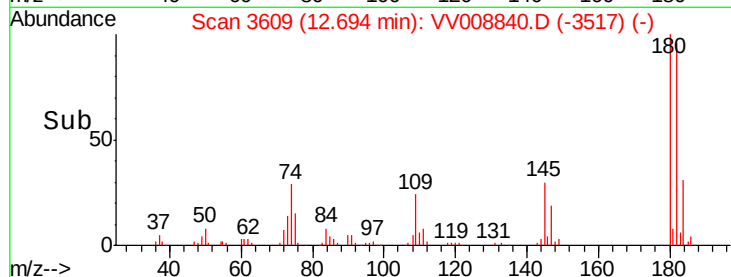
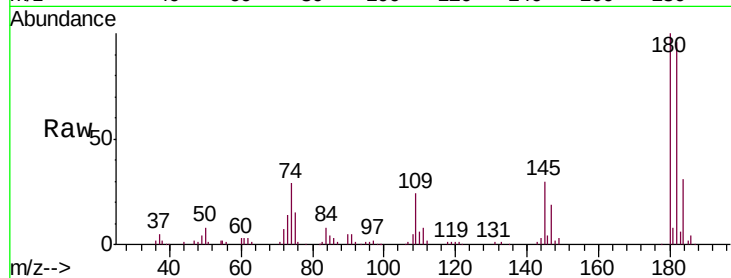
Ion Ratio Lower Upper

180 100

182 94.0 76.5 114.7

184 30.4 24.3 36.5

145 30.1 25.2 37.8

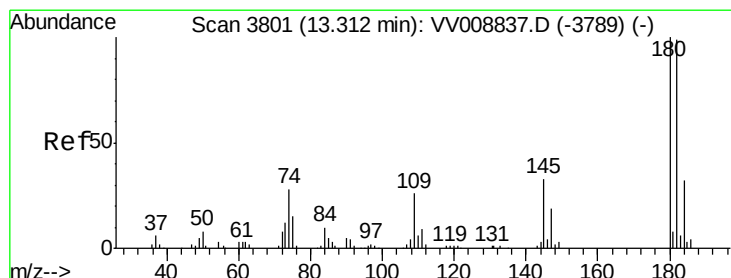
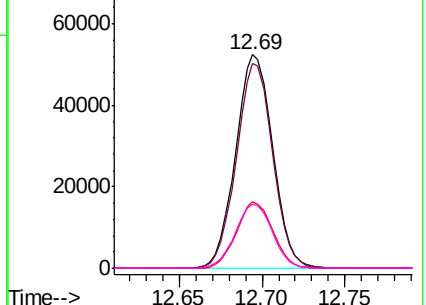


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.630 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

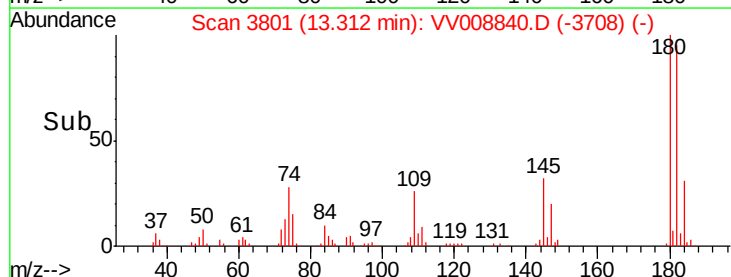
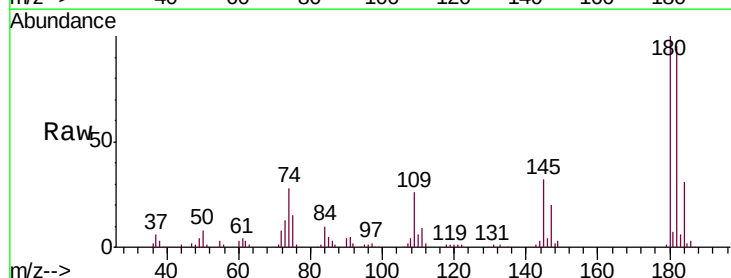
Tgt Ion:180 Resp: 63428

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

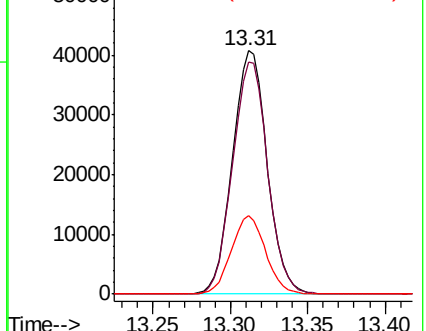
145 31.7 26.2 39.4

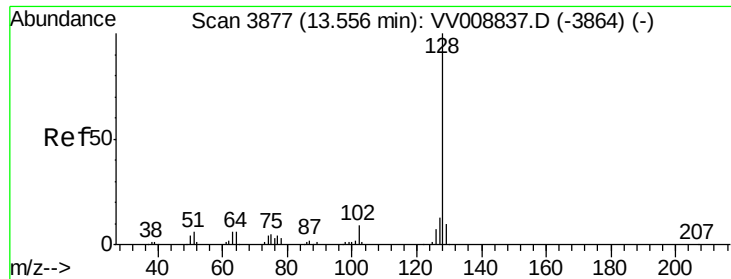


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.977 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

Instrument :

MSVOA_V

ClientSampleId :

VICV69

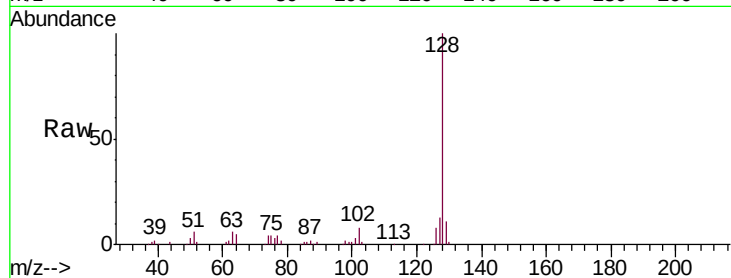
Tgt Ion:128 Resp: 97767

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

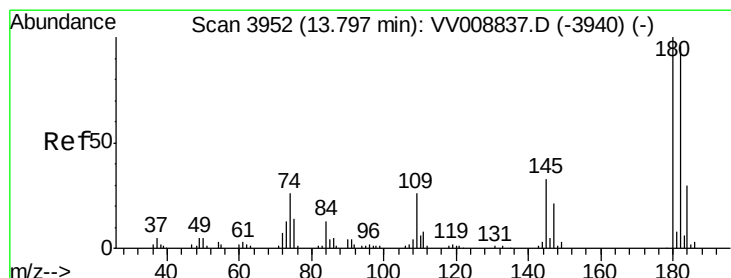
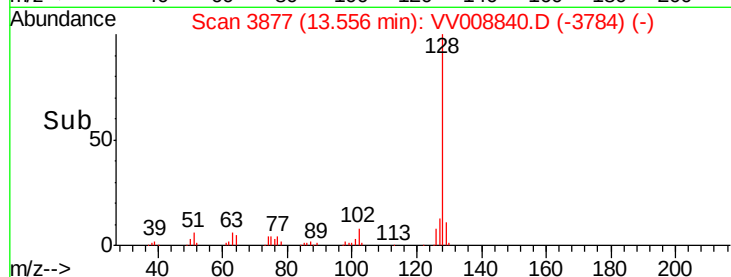
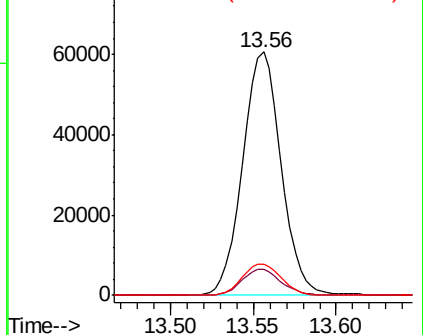
127 13.2 10.6 15.8



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: 5.688 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008840.D

Acq: 05 Dec 2018 12:14

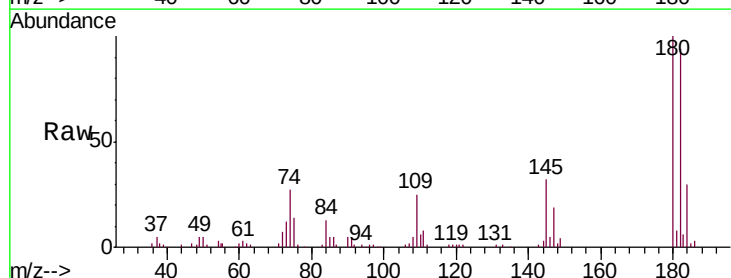
Tgt Ion:180 Resp: 59978

Ion Ratio Lower Upper

180 100

182 95.1 77.8 116.8

145 32.5 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

