

Data File : VV008837.D
Acq On : 05 Dec 2018 10:59
Operator : SY/MD
Sample : VSTD00566
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Quant Time: Dec 06 04:40:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 06 04:37:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	120914	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	113262	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55374	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30595	3.80	ug/L	0.00
7) Chloroethane-d5	1.59	69	23259	4.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	59865	4.25	ug/L	0.00
20) 2-Butanone-d5	3.98	46	79988	43.26	ug/L	0.00
24) Chloroform-d	4.41	84	70904	4.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	34332	4.37	ug/L	0.00
32) Benzene-d6	5.10	84	142673	4.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	41735	4.09	ug/L	0.00
41) Toluene-d8	7.36	98	137098	4.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	15530	4.51	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	62697	43.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27740	4.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	49216	4.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56606	5.227 ug/L	100
3) Chloromethane	1.25	50	37802	4.772 ug/L	100
5) Vinyl chloride	1.32	62	38480	4.894 ug/L	100
6) Bromomethane	1.54	94	22466	4.576 ug/L	100
8) Chloroethane	1.60	64	20927	4.655 ug/L	100
9) Trichlorofluoromethane	1.77	101	62341	5.193 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	33695	4.968 ug/L	100
12) 1,1-Dichloroethene	2.14	96	29463	4.975 ug/L	100
13) Acetone	2.23	43	45877	49.501 ug/L	100
14) Carbon disulfide	2.32	76	87901	5.067 ug/L	100
15) Methyl Acetate	2.48	43	9774	4.007 ug/L	100
16) Methylene chloride	2.54	84	29697	4.448 ug/L	100
17) Methyl tert-butyl Ether	2.82	73	71520	4.906 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	30985	4.770 ug/L	100
19) 1,1-Dichloroethane	3.23	63	71233	4.967 ug/L	100
21) 2-Butanone	4.06	43	87359	47.511 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	44846	4.912 ug/L	100
23) Bromochloromethane	4.31	128	18802	5.009 ug/L	100
25) Chloroform	4.43	83	76386	4.846 ug/L	100
27) 1,2-Dichloroethane	5.19	62	45033	4.969 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	67367	5.075 ug/L	100
30) Cyclohexane	4.72	56	64705	4.712 ug/L	100
31) Carbon tetrachloride	4.88	117	59340	5.145 ug/L	100
33) Benzene	5.15	78	160391	4.784 ug/L	100
34) Trichloroethene	5.96	95	46036	4.890 ug/L	100
35) Methylcyclohexane	6.18	83	73277	4.924 ug/L	100
37) 1,2-Dichloropropane	6.23	63	40452	4.840 ug/L	100
38) Bromodichloromethane	6.56	83	47733	4.969 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	55317	5.009 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	203720	47.570 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	173974	4.932	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	44104	5.046	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	27581	4.959	ug/L	100
47) Tetrachloroethene	8.02	164	37284	5.088	ug/L	100
48) 2-Hexanone	8.19	43	145789	48.571	ug/L	100
49) Dibromochloromethane	8.29	129	32770	5.323	ug/L	100
50) 1,2-Dibromoethane	8.40	107	26456	5.020	ug/L	100
51) Chlorobenzene	8.93	112	112632	4.839	ug/L	100
52) Ethylbenzene	9.06	91	188564	4.934	ug/L	100
53) m,p-xylene	9.18	106	72944	5.076	ug/L	100
54) o-xylene	9.59	106	70159	5.086	ug/L	100
55) Styrene	9.60	104	118080	5.128	ug/L	100
56) Isopropylbenzene	9.98	105	188424	5.002	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	29145	4.952	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	23660	4.914	ug/L	100
61) Bromoform	9.78	173	16315	5.345	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	87897	4.860	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	90310	5.011	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	83267	4.865	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	4313	5.110	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	67518	5.080	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	51887	5.281	ug/L	100
69) Naphthalene	13.56	128	75153	5.207	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	48333	5.241	ug/L	100

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

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MSVOA_V
ClientSampleId :
VSTD00566

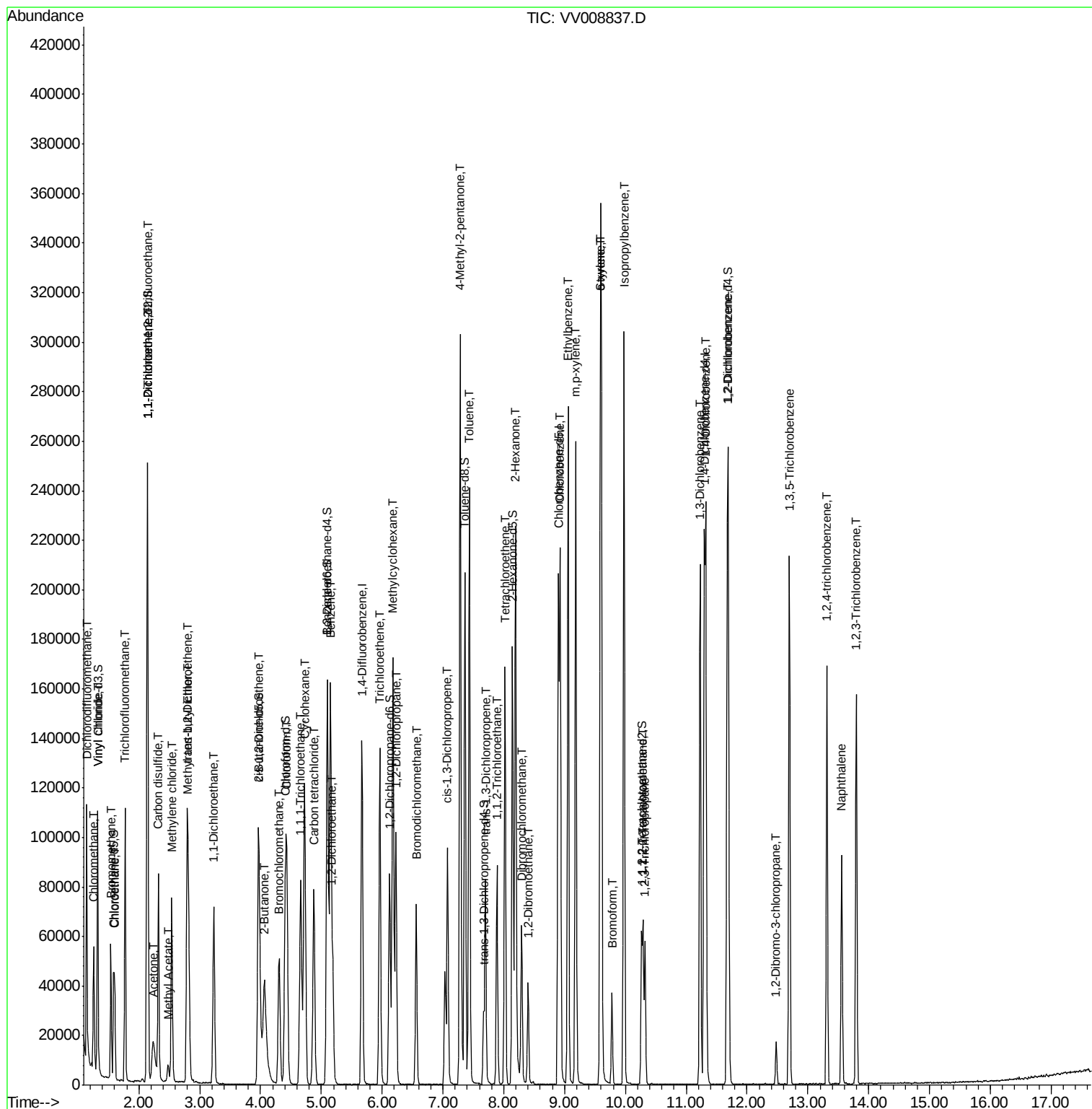
Quant Time: Dec 06 04:40:28 2018

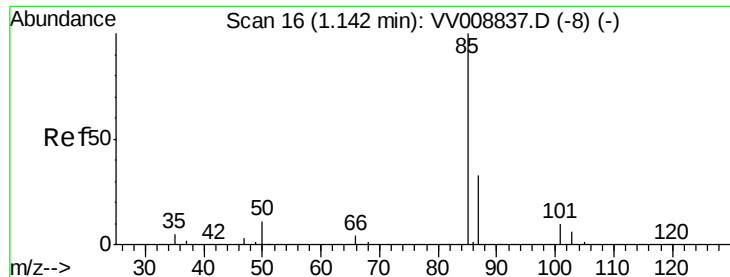
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Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Dec 06 04:37:05 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.227 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

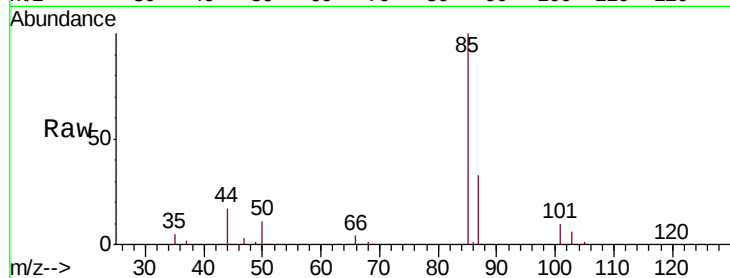
VSTD00566

Tgt Ion: 85 Resp: 56606

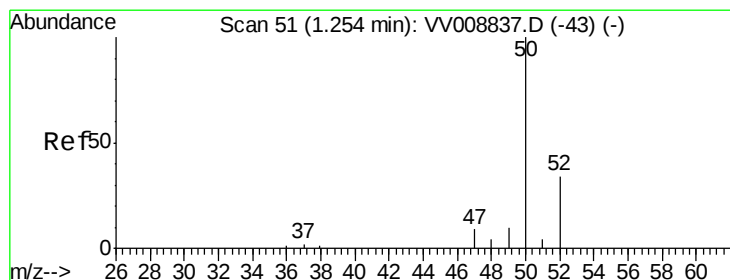
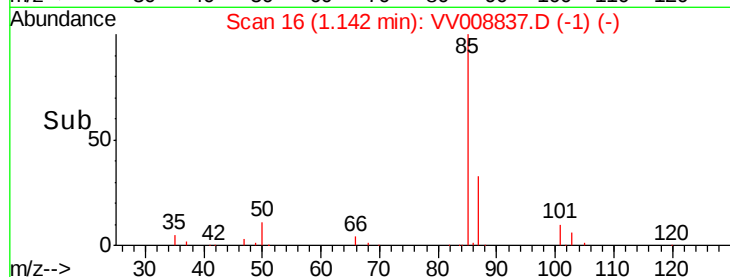
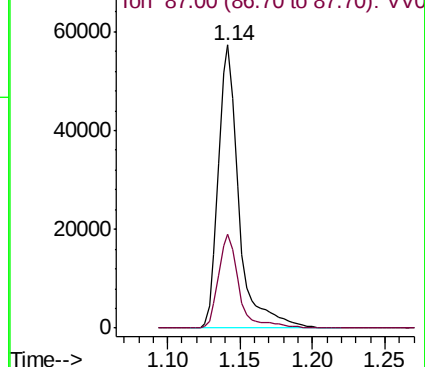
Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



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



#3

Chloromethane

Concen: 4.772 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008837.D

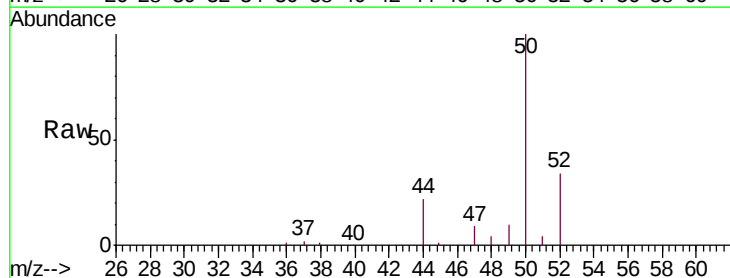
Acq: 05 Dec 2018 10:59

Tgt Ion: 50 Resp: 37802

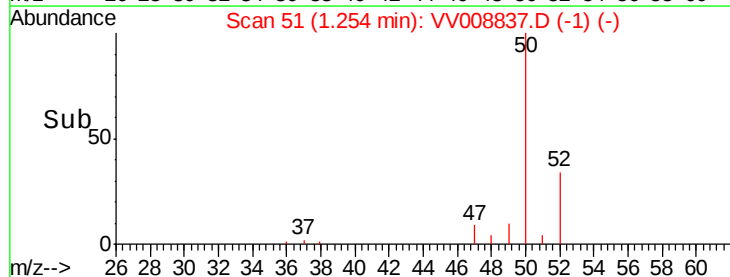
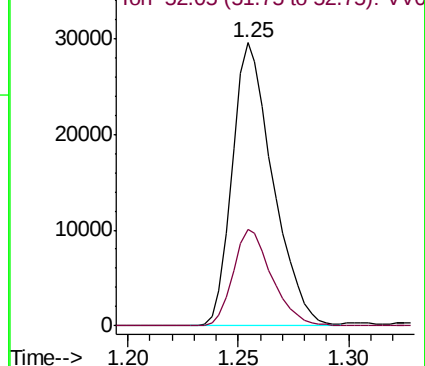
Ion Ratio Lower Upper

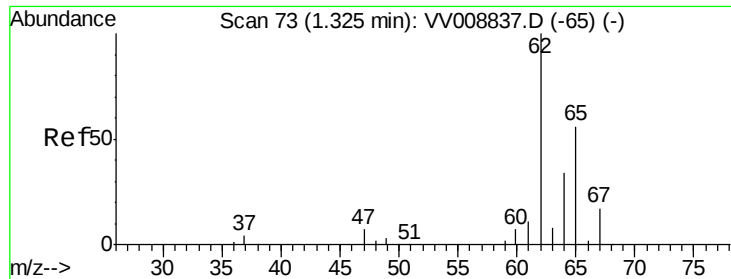
50 100

52 34.2 23.9 44.5



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





#5

Vinyl chloride

Concen: 4.894 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

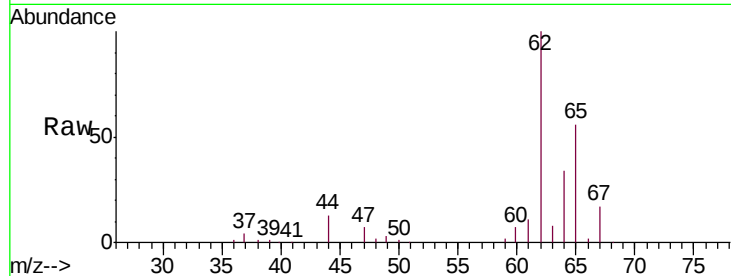
VSTD00566

Tgt Ion: 62 Resp: 38480

Ion Ratio Lower Upper

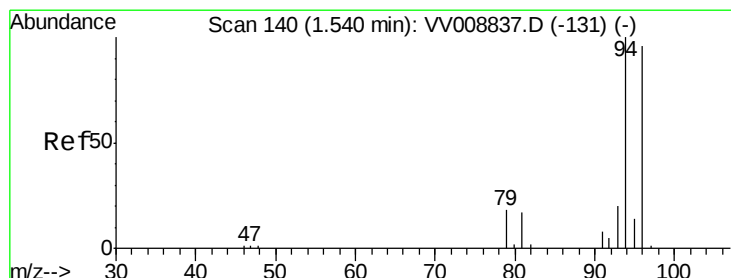
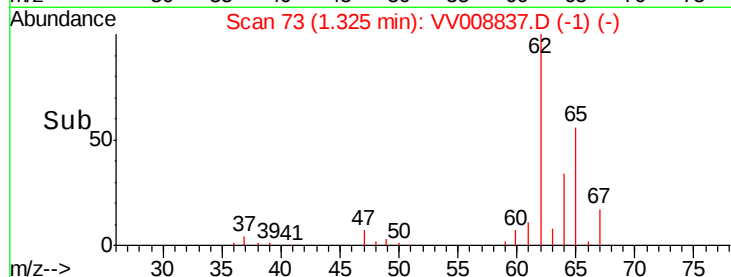
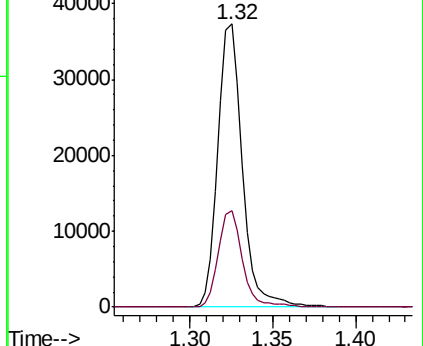
62 100

64 34.1 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.576 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV008837.D

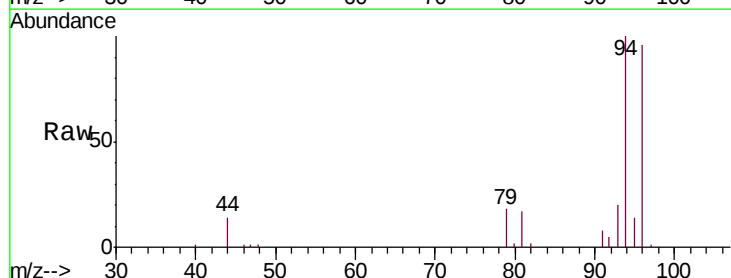
Acq: 05 Dec 2018 10:59

Tgt Ion: 94 Resp: 22466

Ion Ratio Lower Upper

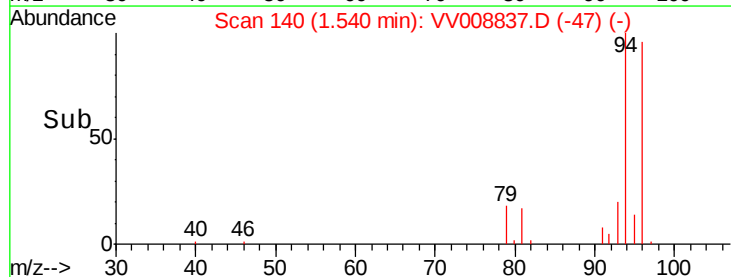
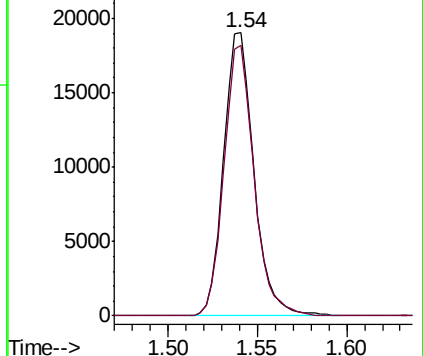
94 100

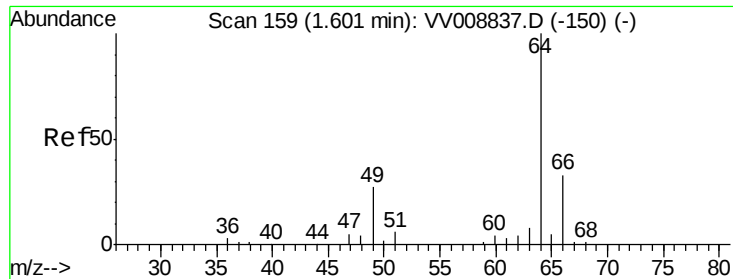
96 95.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

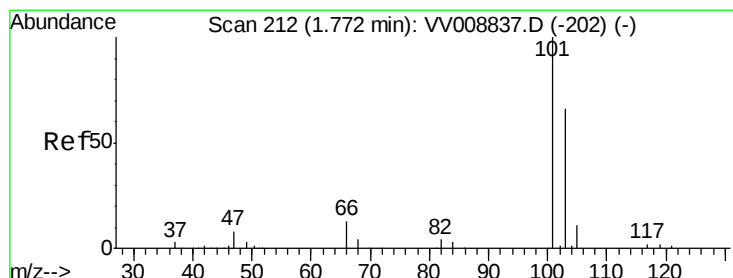
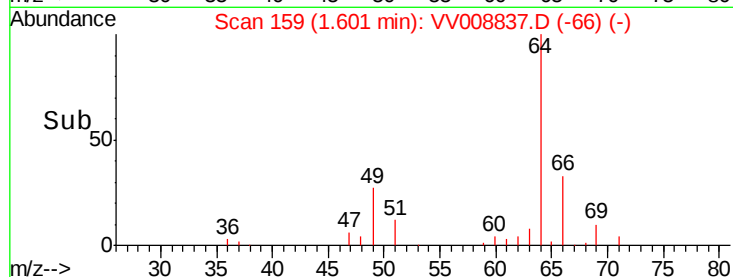
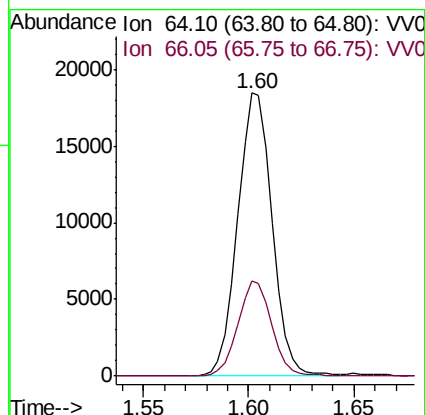
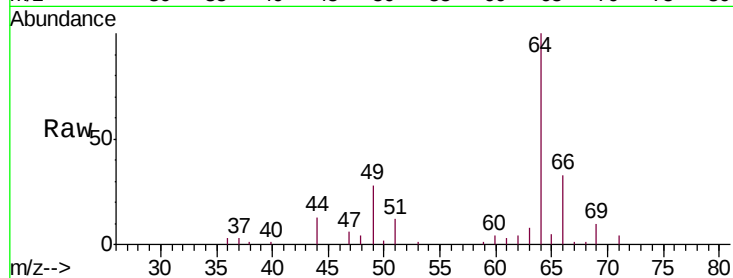




#8
Chloroethane
Concen: 4.655 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

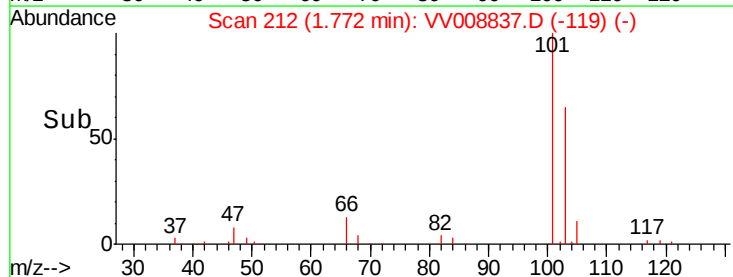
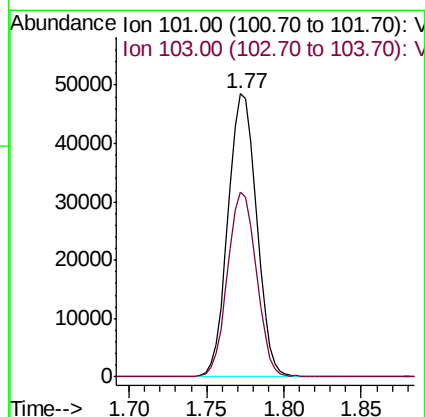
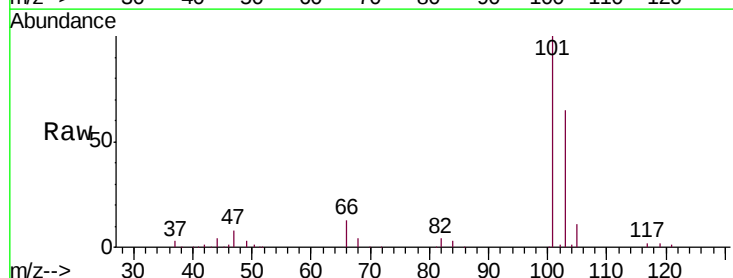
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

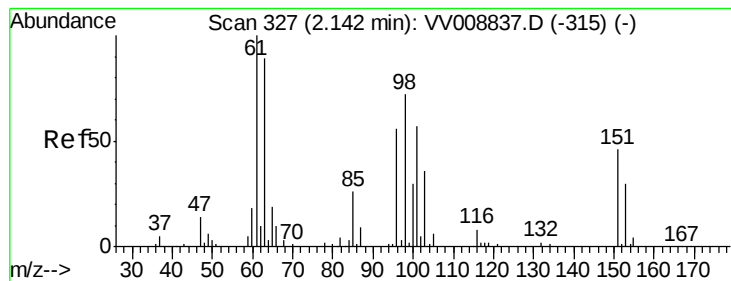
Tgt Ion: 64 Resp: 20927
Ion Ratio Lower Upper
64 100
66 33.5 23.4 43.6



#9
Trichlorofluoromethane
Concen: 5.193 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

Tgt Ion: 101 Resp: 62341
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7





#10

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

Concen: 4.968 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

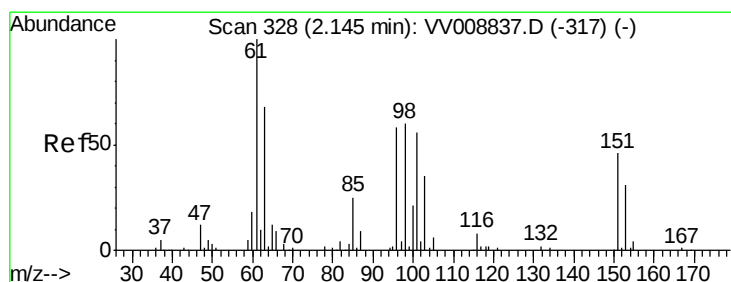
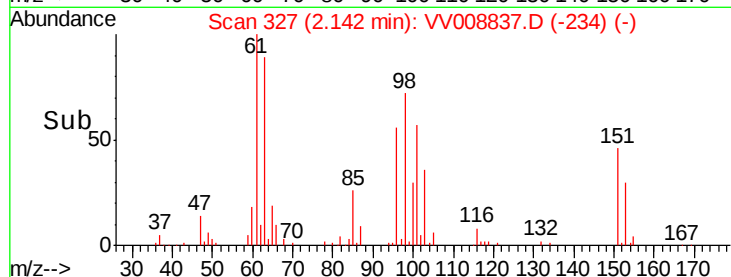
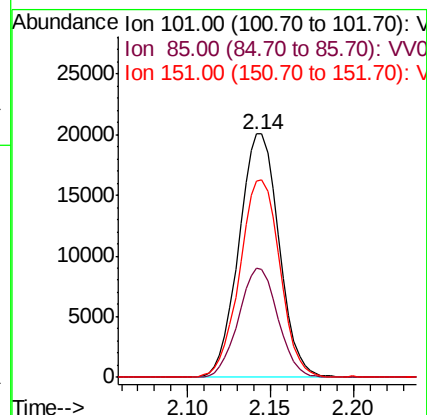
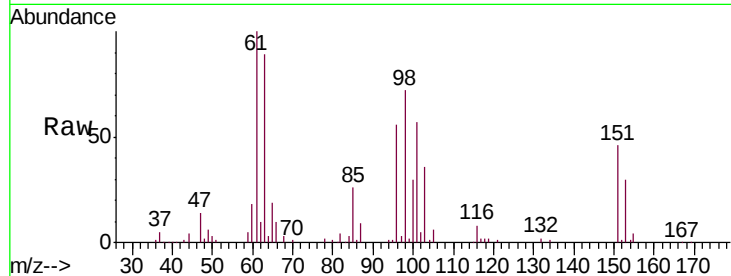
Tgt Ion: 101 Resp: 33695

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

151 81.4 65.1 97.7



#12

1,1-Dichloroethene

Concen: 4.975 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

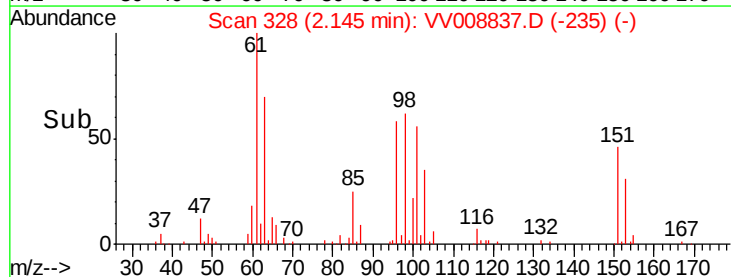
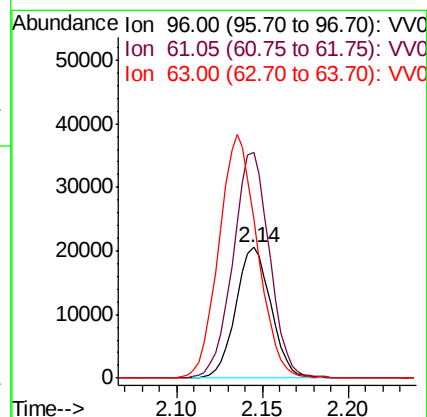
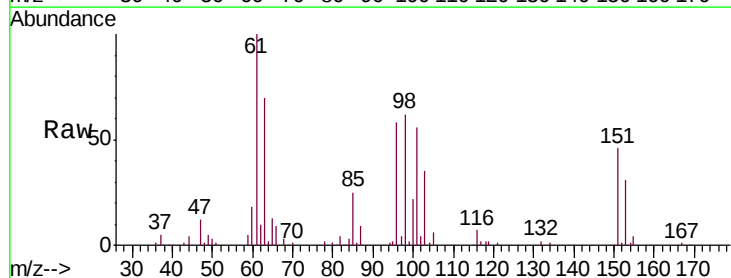
Tgt Ion: 96 Resp: 29463

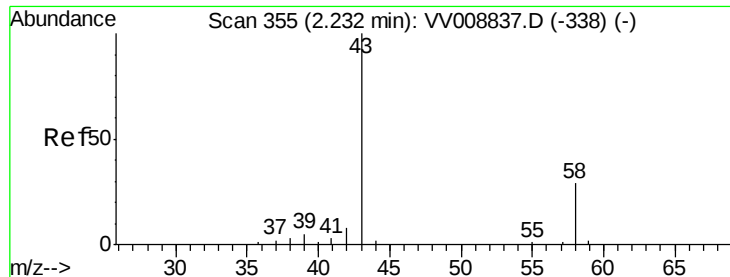
Ion Ratio Lower Upper

96 100

61 172.6 120.8 224.4

63 121.5 85.0 158.0





#13

Acetone

Concen: 49.501 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

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ClientSampleId :

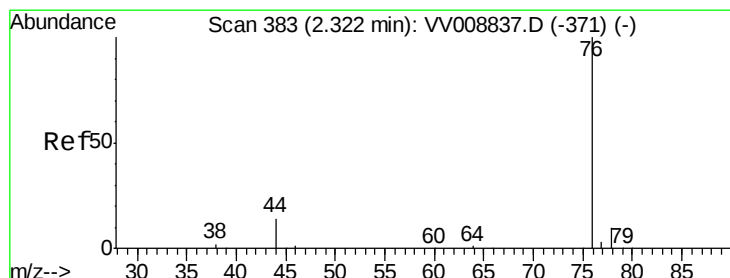
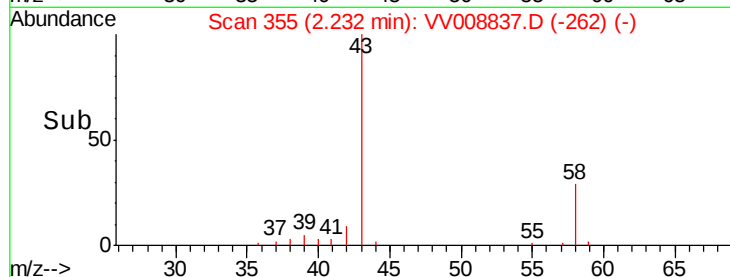
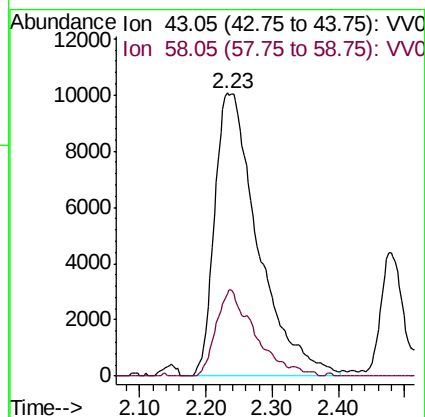
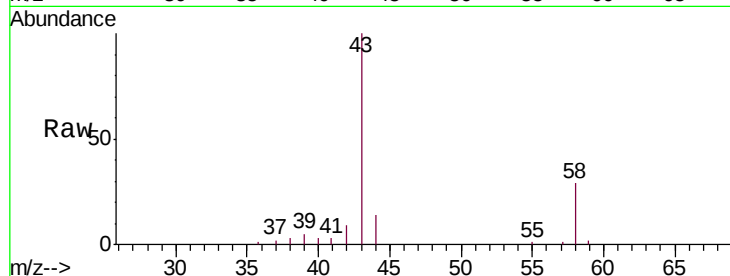
VSTD00566

Tgt Ion: 43 Resp: 45877

Ion Ratio Lower Upper

43 100

58 26.2 0.0 52.4



#14

Carbon disulfide

Concen: 5.067 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008837.D

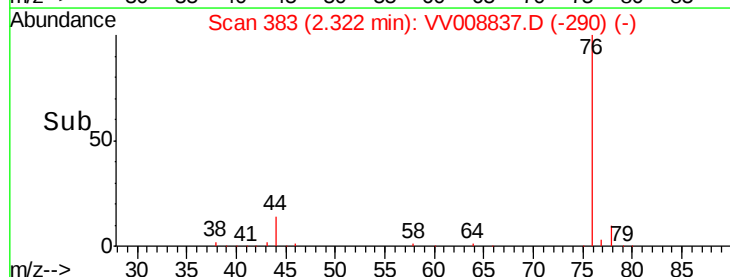
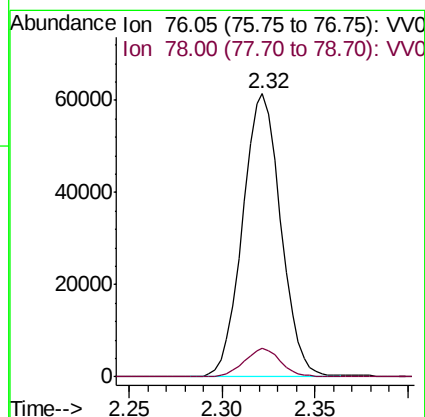
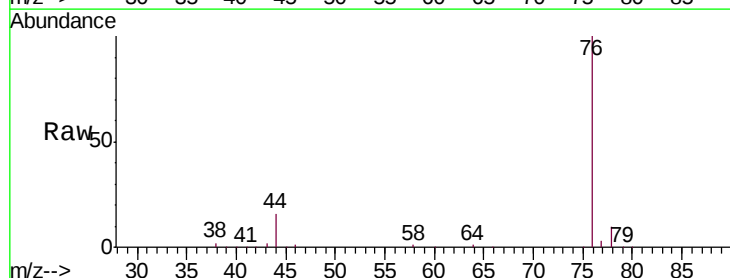
Acq: 05 Dec 2018 10:59

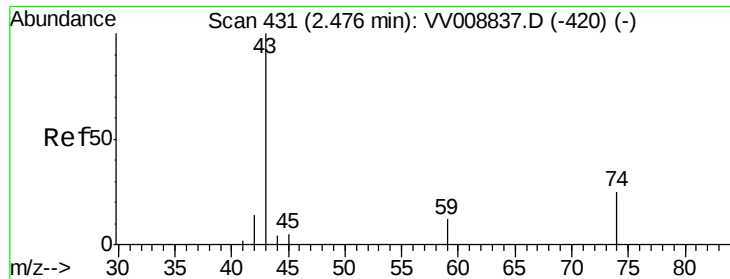
Tgt Ion: 76 Resp: 87901

Ion Ratio Lower Upper

76 100

78 10.0 8.0 12.0

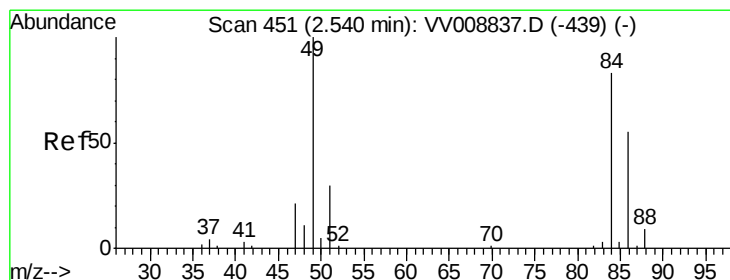
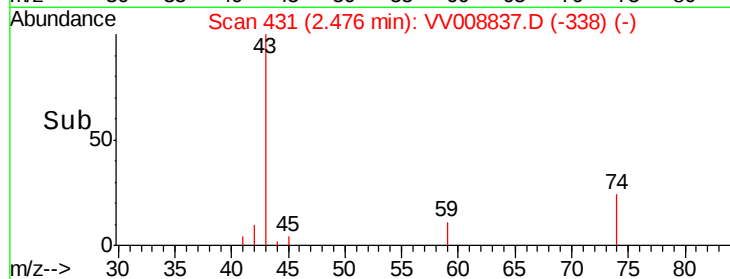
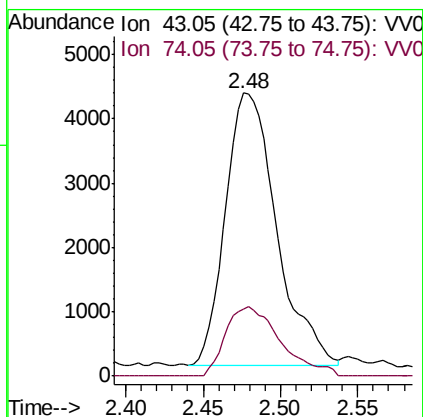
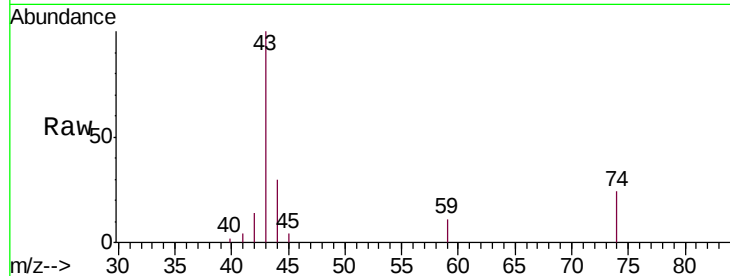




#15
Methyl Acetate
Concen: 4.007 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

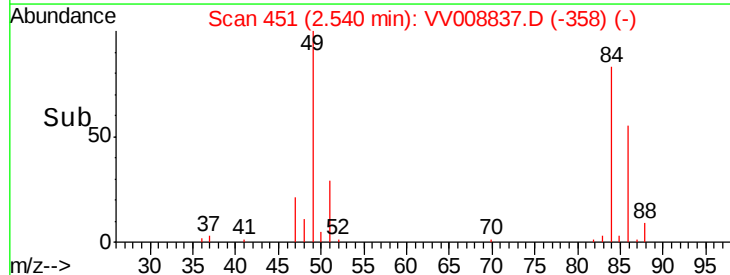
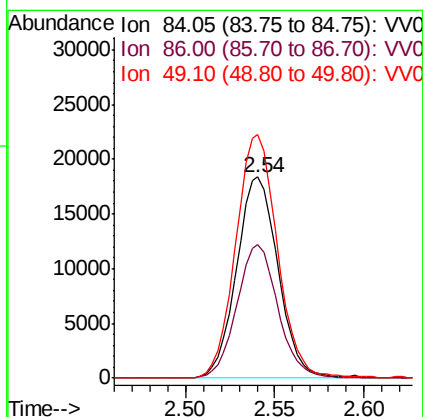
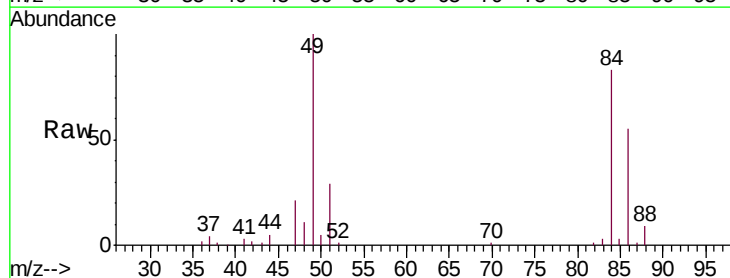
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

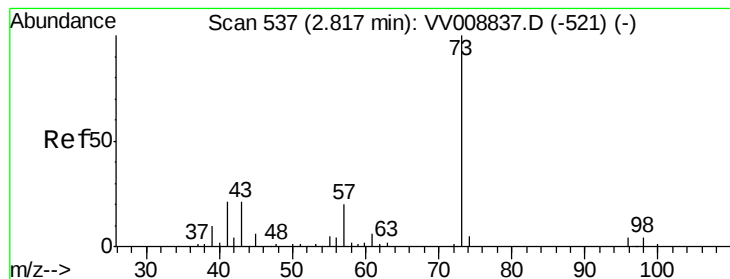
Tgt Ion: 43 Resp: 9774
Ion Ratio Lower Upper
43 100
74 27.2 21.8 32.6



#16
Methylene chloride
Concen: 4.448 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

Tgt Ion: 84 Resp: 29697
Ion Ratio Lower Upper
84 100
86 66.7 46.7 86.7
49 121.1 84.8 157.4





#17

Methyl tert-butyl Ether

Concen: 4.906 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

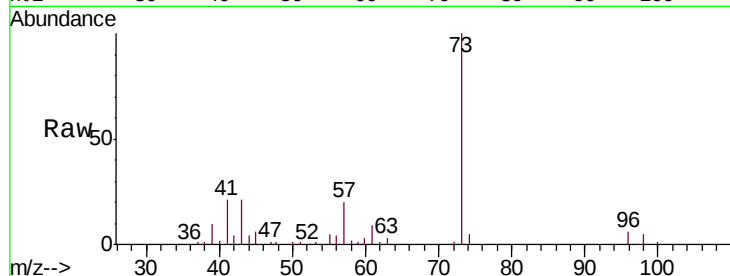
Tgt Ion: 73 Resp: 71520

Ion Ratio Lower Upper

73 100

43 21.6 17.3 25.9

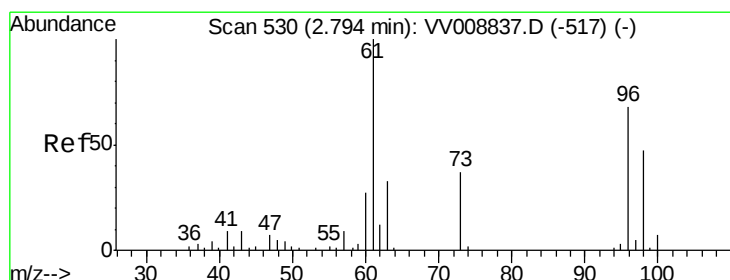
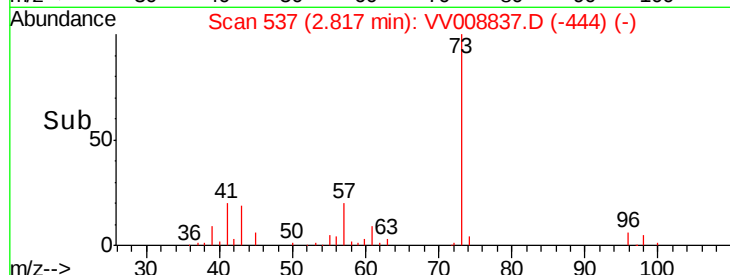
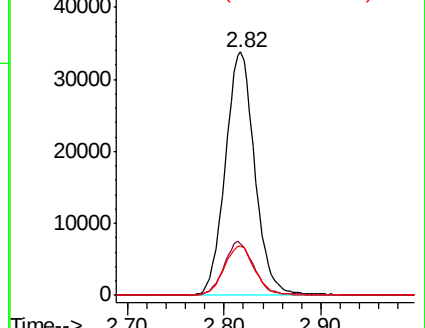
57 21.0 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV008837.D (-521) (-)

Ion 43.05 (42.75 to 43.75): VV008837.D (-521) (-)

Ion 57.10 (56.80 to 57.80): VV008837.D (-521) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.770 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

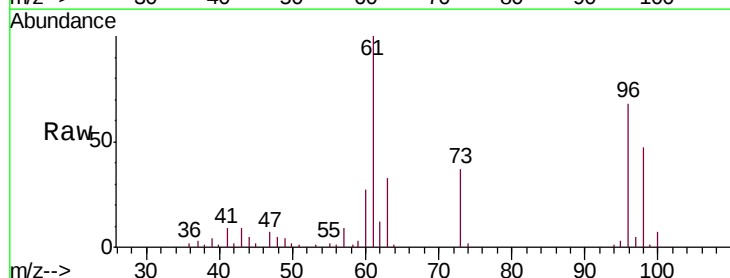
Tgt Ion: 96 Resp: 30985

Ion Ratio Lower Upper

96 100

61 147.2 103.0 191.4

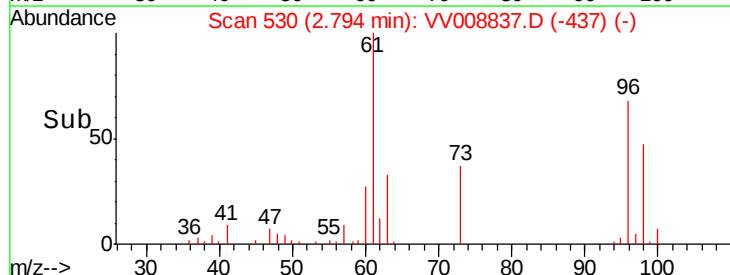
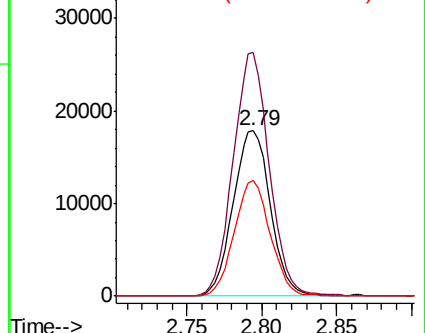
98 69.9 48.9 90.9

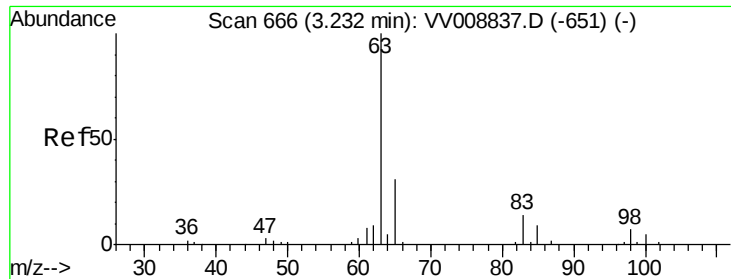


Abundance Ion 96.00 (95.70 to 96.70): VV008837.D (-517) (-)

Ion 61.05 (60.75 to 61.75): VV008837.D (-517) (-)

Ion 97.95 (97.65 to 98.65): VV008837.D (-517) (-)

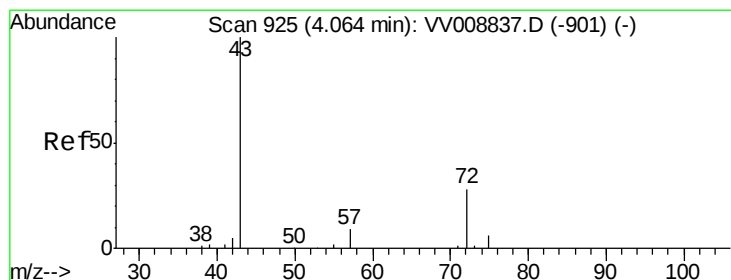
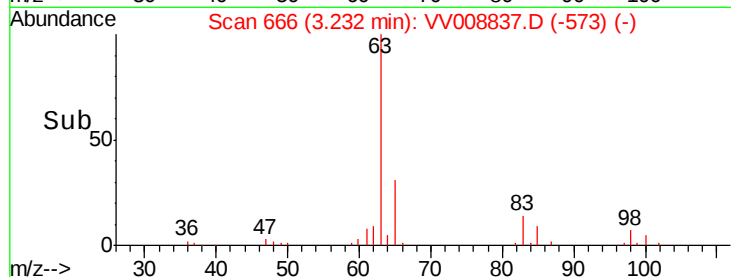
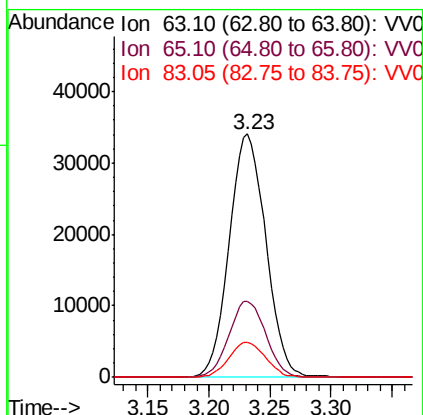
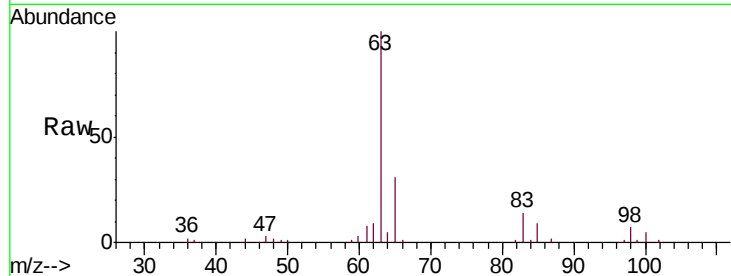




#19
 1,1-Dichloroethane
 Concen: 4.967 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

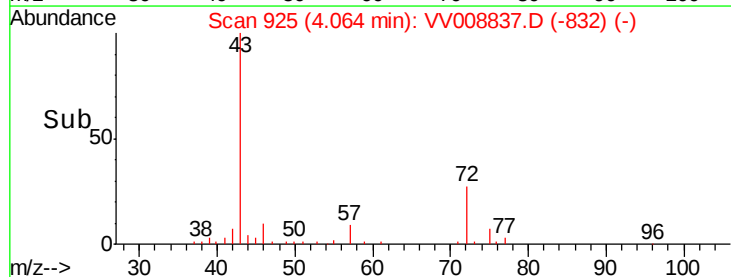
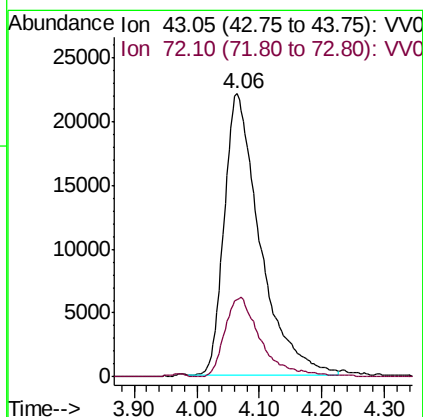
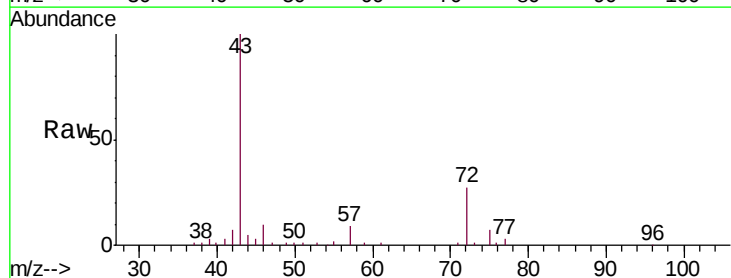
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

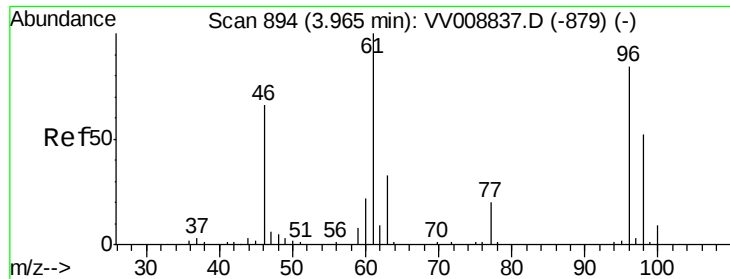
Tgt Ion: 63 Resp: 71233
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.0 40.8
 83 14.4 10.1 18.7



#21
 2-Butanone
 Concen: 47.511 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion: 43 Resp: 87359
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.7 41.1



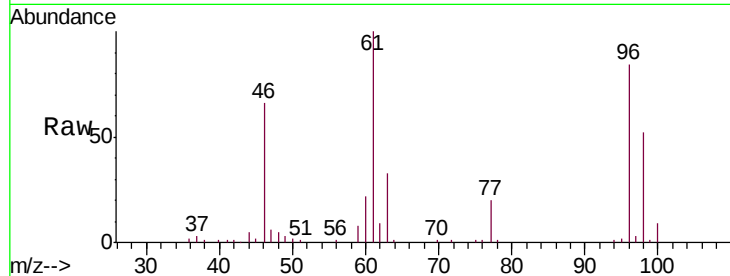


#22

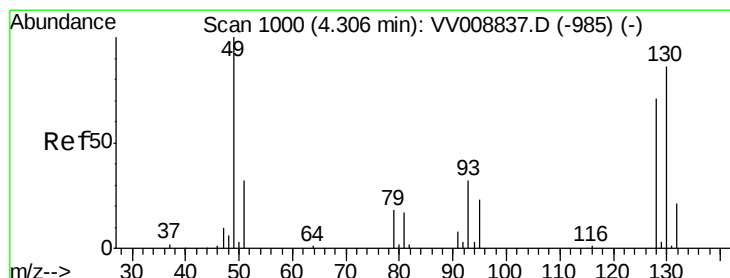
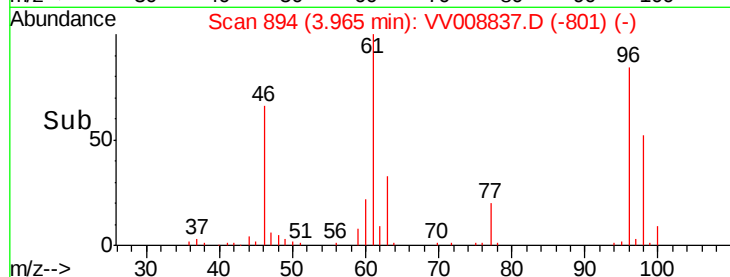
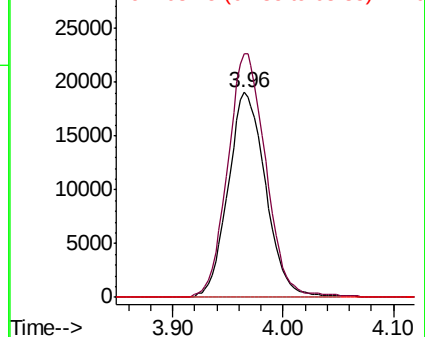
cis-1,2-Dichloroethene
 Concen: 4.912 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion: 96 Resp: 44846
 Ion Ratio Lower Upper
 96 100
 61 118.9 83.2 154.6
 68 0.0 0.0 0.0



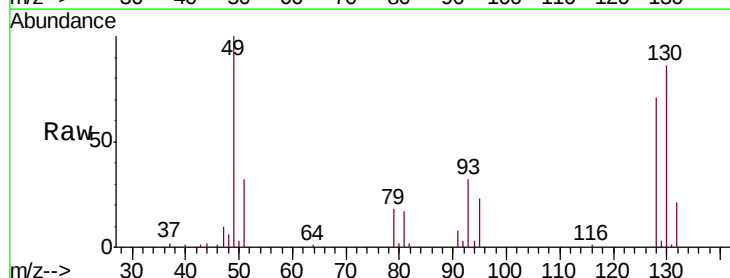
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



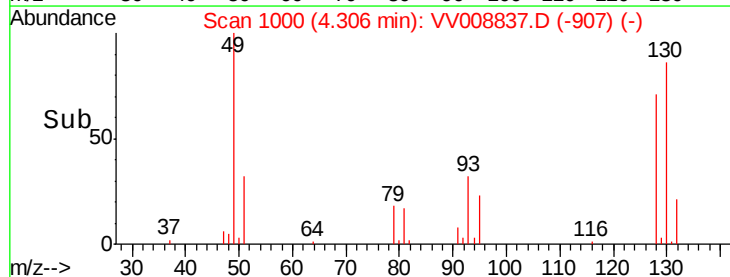
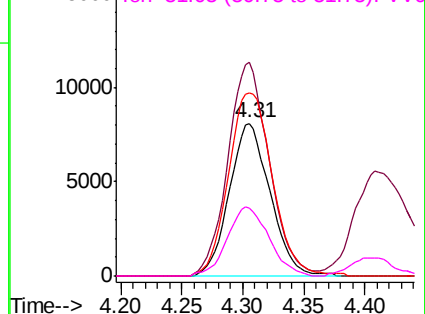
#23

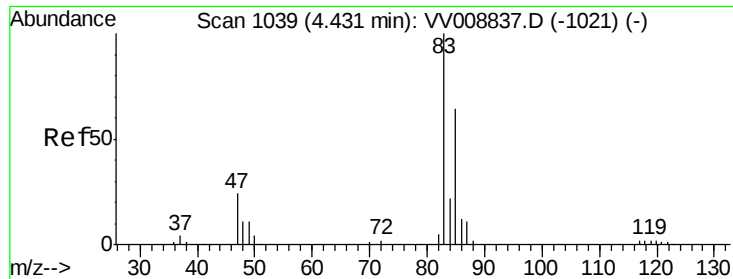
Bromochloromethane
 Concen: 5.009 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion: 128 Resp: 18802
 Ion Ratio Lower Upper
 128 100
 49 140.2 98.1 182.3
 130 120.3 84.2 156.4
 51 44.3 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

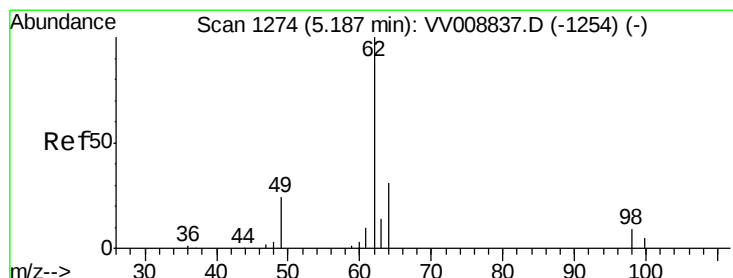
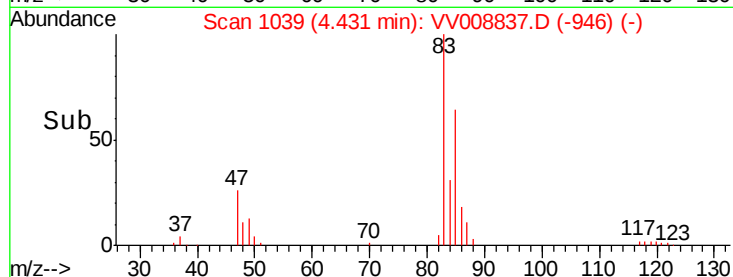
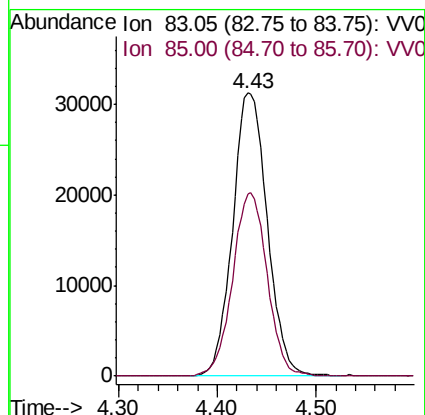
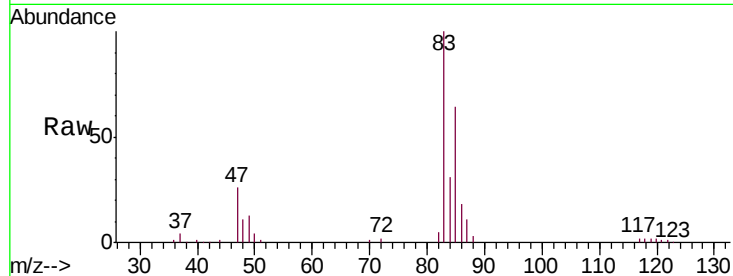




#25
Chloroform
Concen: 4.846 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

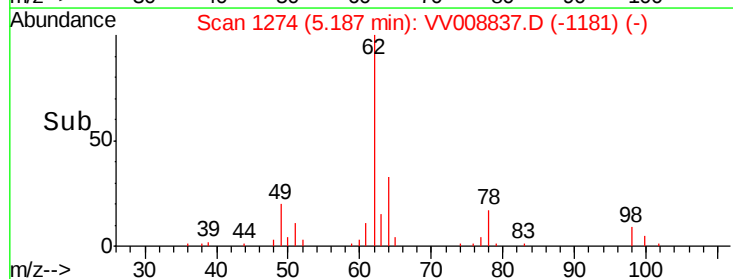
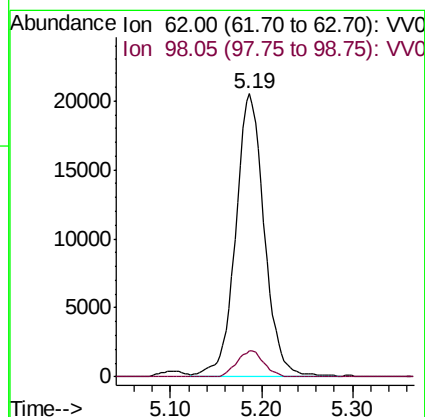
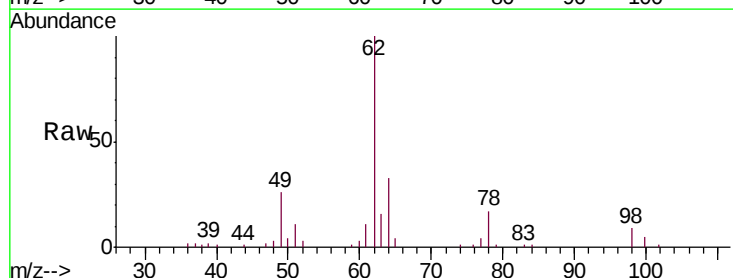
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

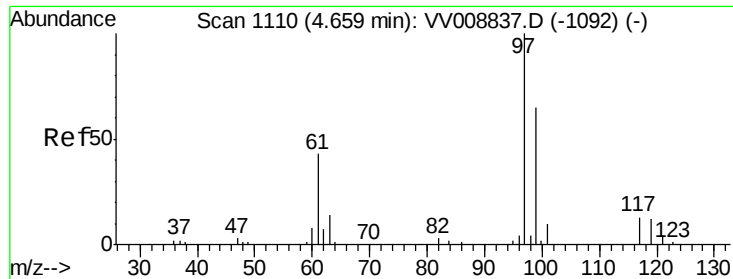
Tgt Ion: 83 Resp: 76386
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.969 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

Tgt Ion: 62 Resp: 45033
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

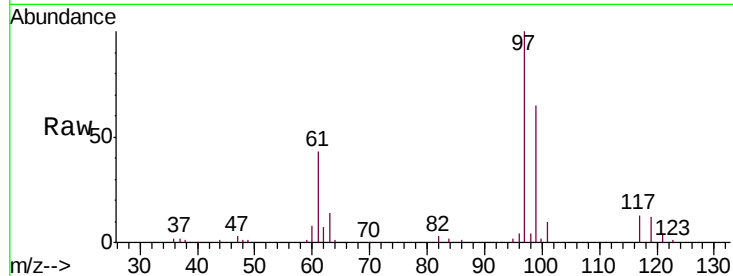




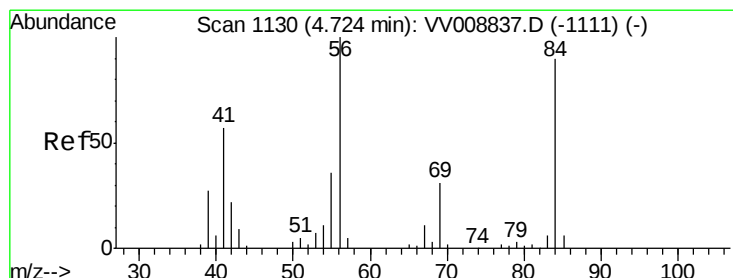
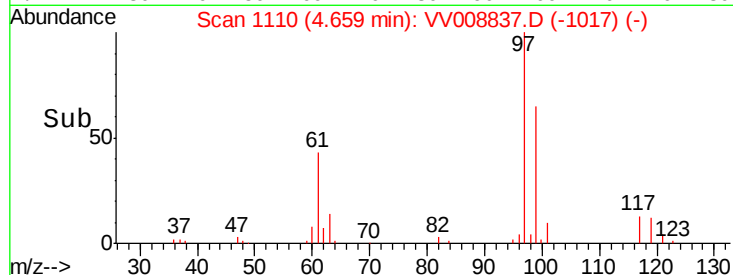
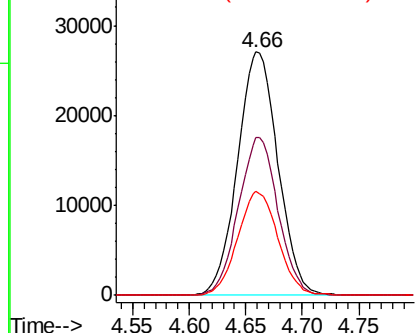
#29
 1,1,1-Trichloroethane
 Concen: 5.075 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion: 97 Resp: 67367
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.7 76.1
 61 42.5 34.0 51.0

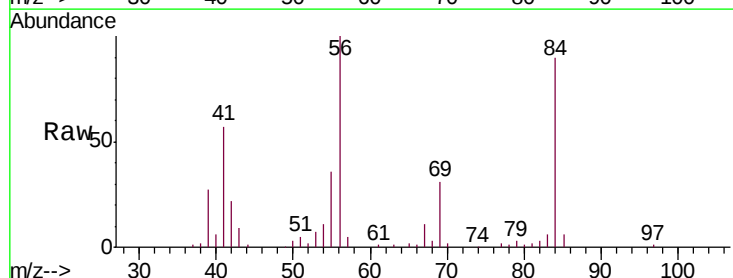


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

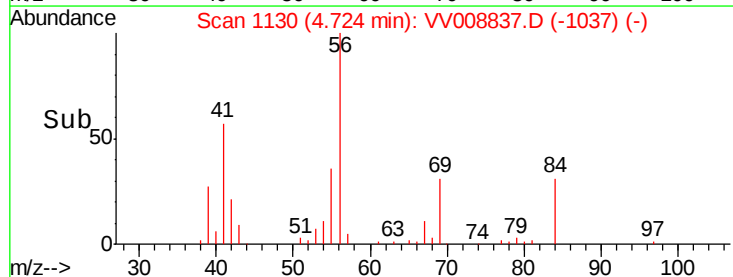
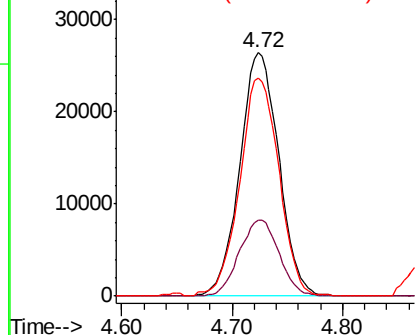


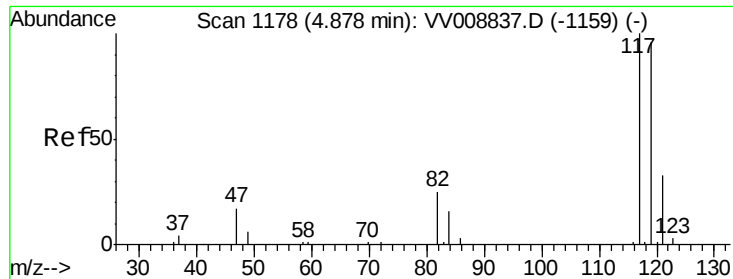
#30
 Cyclohexane
 Concen: 4.712 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion: 56 Resp: 64705
 Ion Ratio Lower Upper
 56 100
 69 31.8 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: 5.145 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

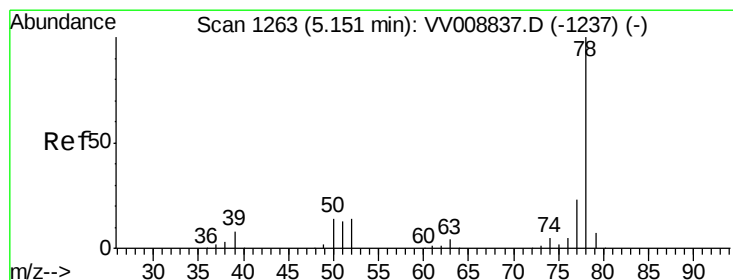
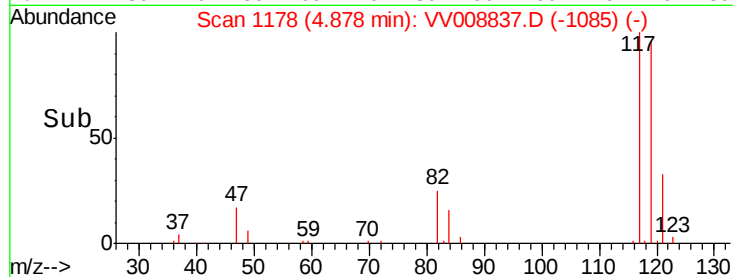
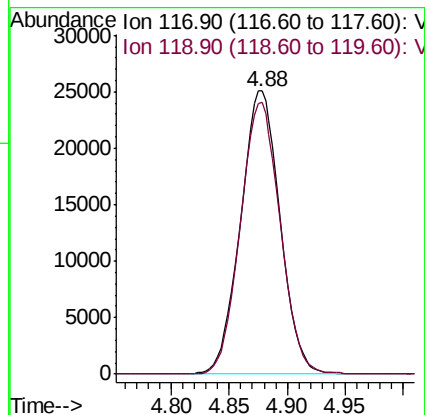
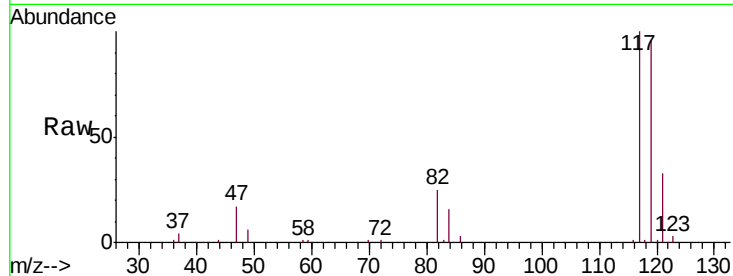
VSTD00566

Tgt Ion:117 Resp: 59340

Ion Ratio Lower Upper

117 100

119 96.4 77.1 115.7



#33

Benzene

Concen: 4.784 ug/L

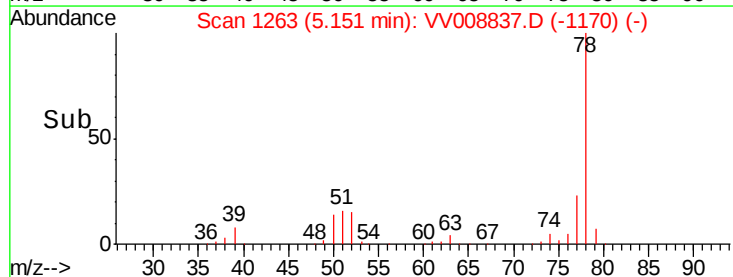
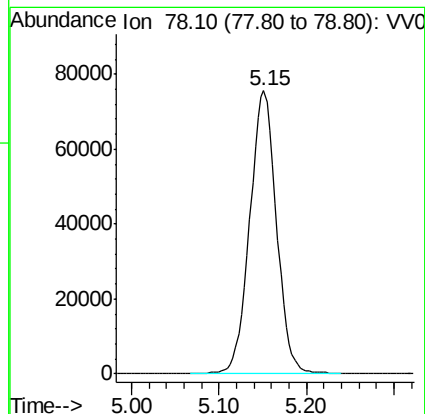
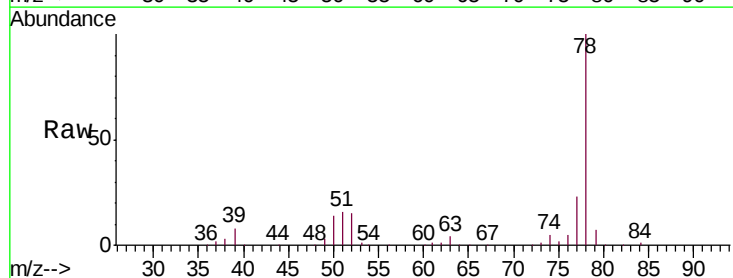
RT: 5.15 min Scan# 1263

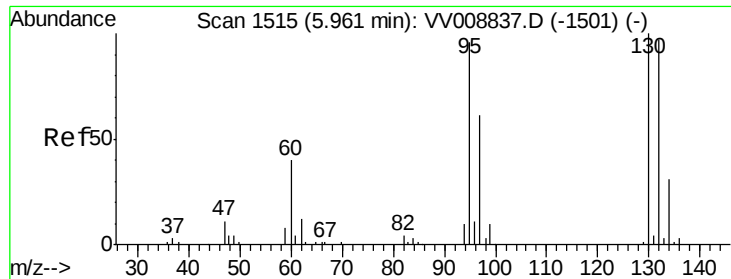
Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Tgt Ion: 78 Resp: 160391

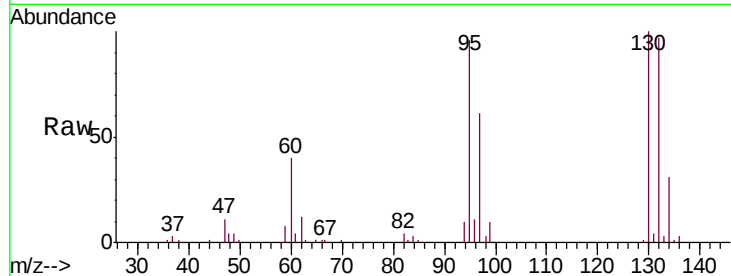




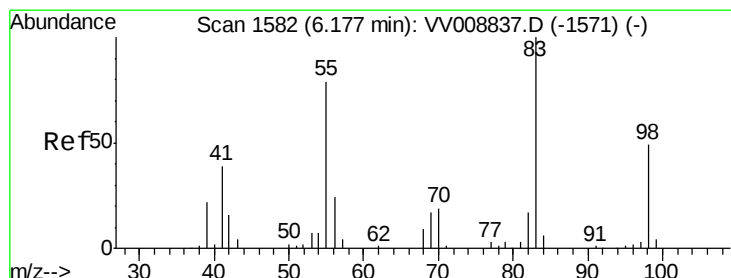
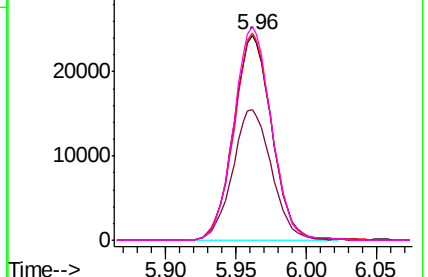
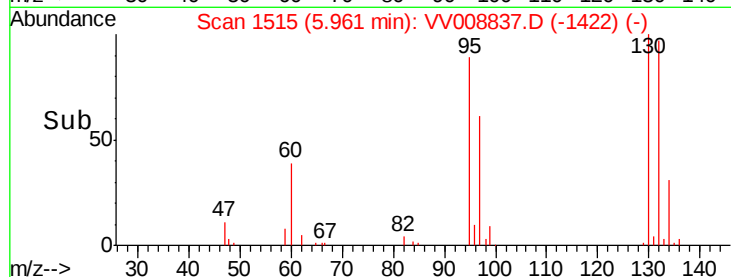
#34
 Trichloroethene
 Concen: 4.890 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion: 95 Resp: 46036
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.4 82.5
 132 101.0 70.7 131.3
 130 104.1 72.9 135.3

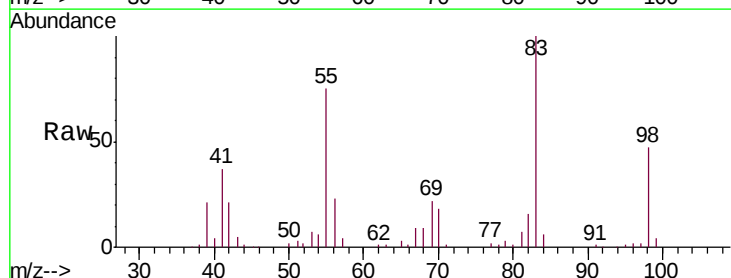


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

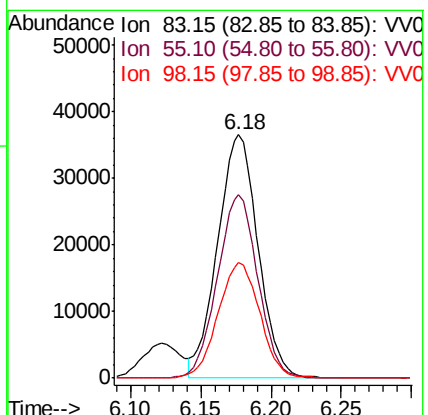
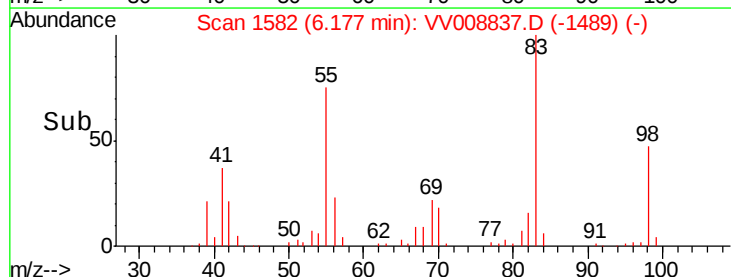


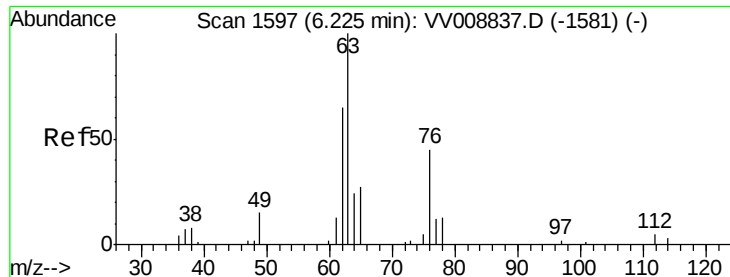
#35
 Methylcyclohexane
 Concen: 4.924 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion: 83 Resp: 73277
 Ion Ratio Lower Upper
 83 100
 55 75.0 60.0 90.0
 98 48.8 39.0 58.6



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.840 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

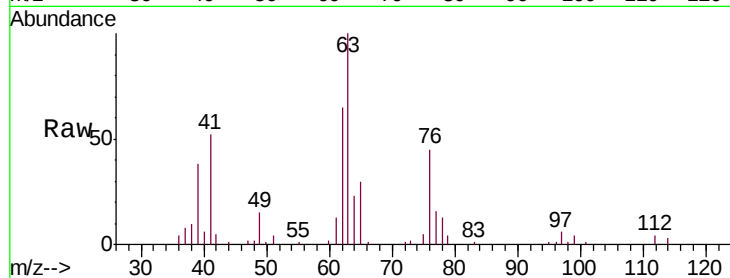
VSTD00566

Tgt Ion: 63 Resp: 40452

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



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

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

6.23

25000

20000

15000

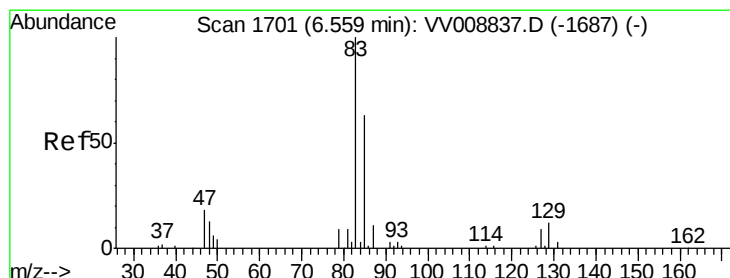
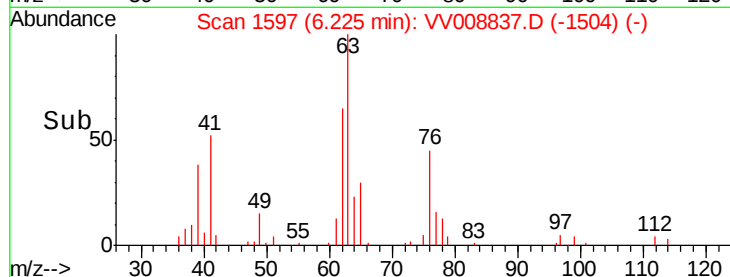
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.969 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

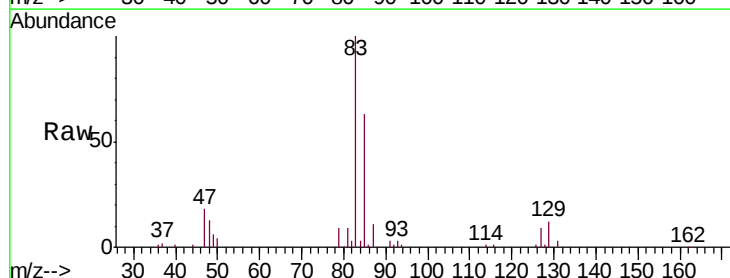
Tgt Ion: 83 Resp: 47733

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

127 9.4 7.5 11.3



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

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

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

6.56

30000

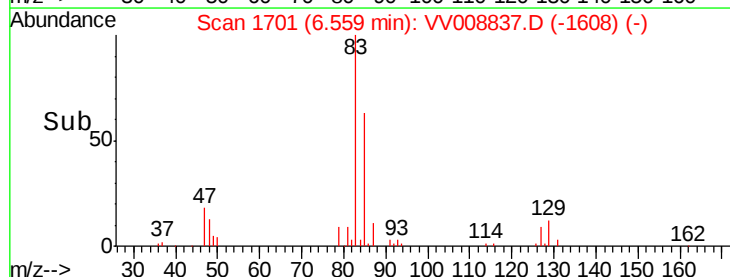
20000

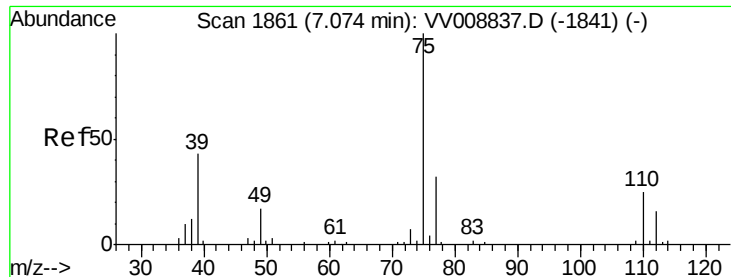
10000

0

6.50 6.55 6.60 6.65

Time-->

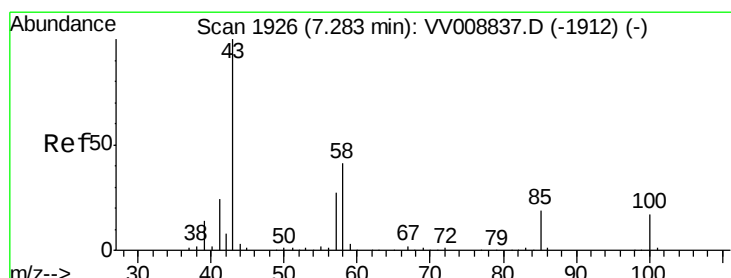
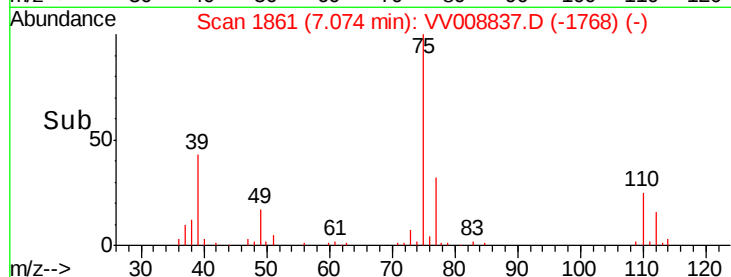
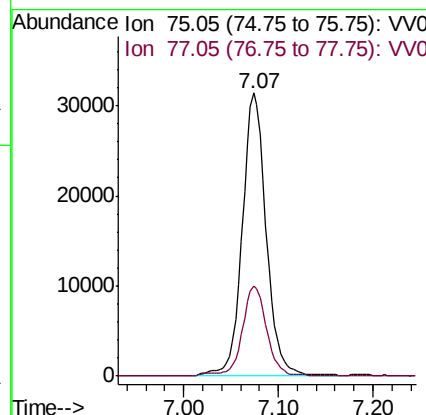
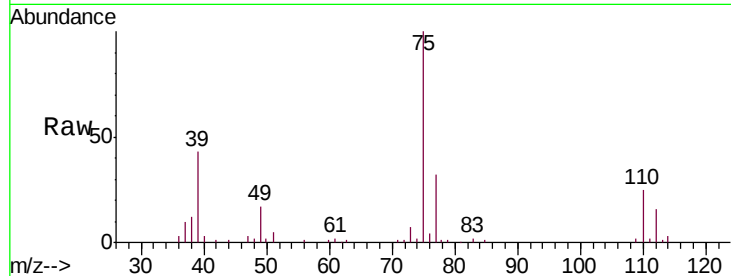




#39
 cis-1,3-Dichloropropene
 Concen: 5.009 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

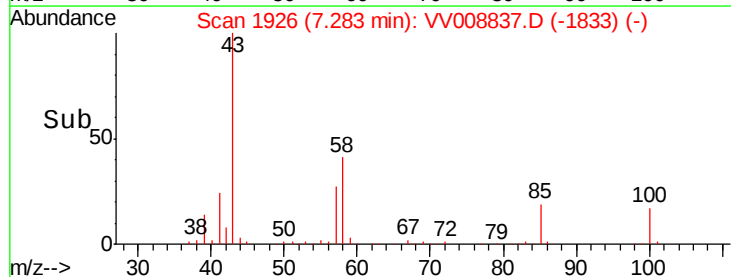
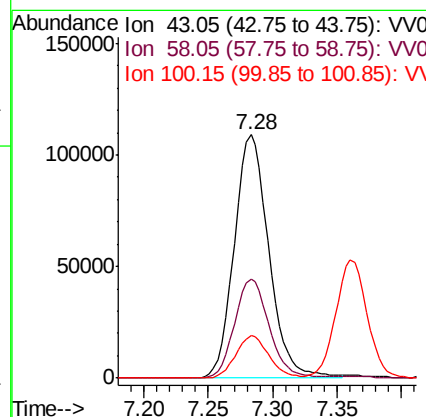
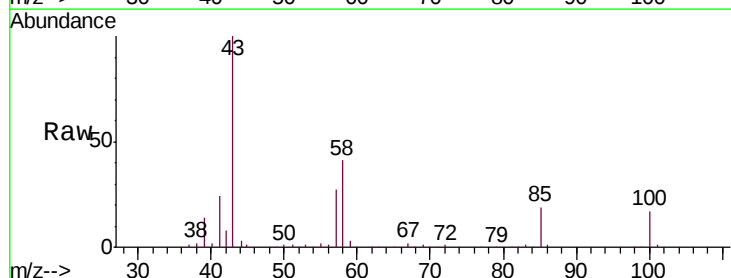
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

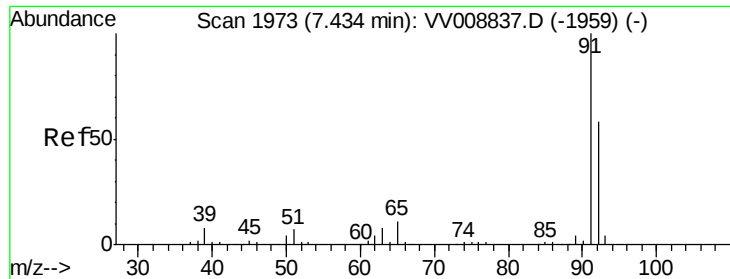
Tgt Ion: 75 Resp: 55317
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 47.570 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion: 43 Resp: 203720
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.6 48.8
 100 16.7 13.4 20.0





#42

Toluene

Concen: 4.932 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

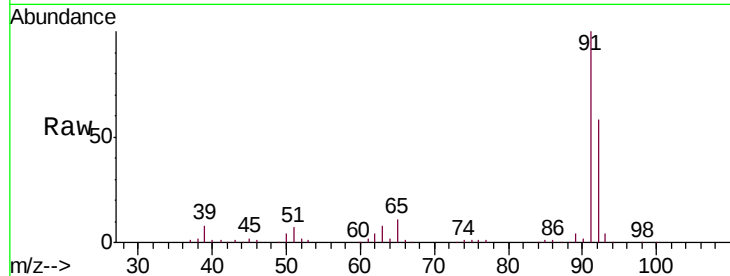
VSTD00566

Tgt Ion: 91 Resp: 173974

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV008837.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008837.D (-1959) (-)

7.43

100000

80000

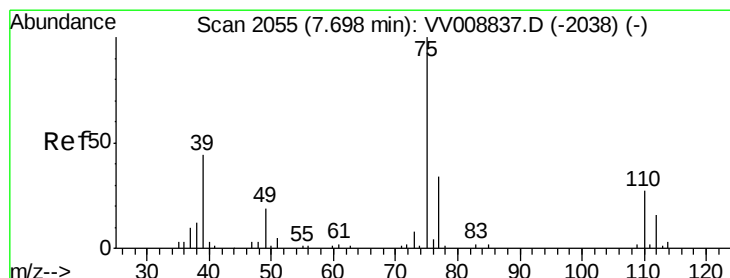
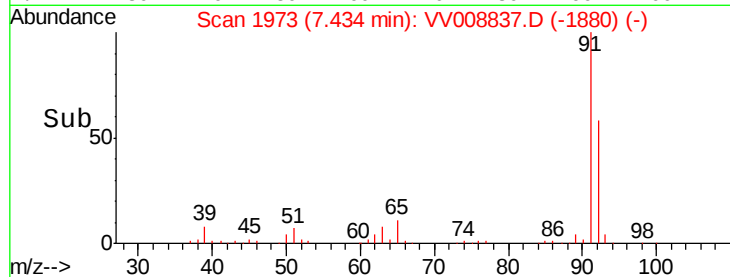
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.046 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008837.D

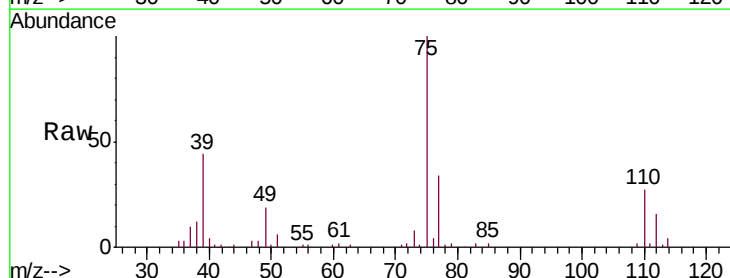
Acq: 05 Dec 2018 10:59

Tgt Ion: 75 Resp: 44104

Ion Ratio Lower Upper

75 100

77 33.7 23.6 43.8



Abundance Ion 75.05 (74.75 to 75.75): VV008837.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008837.D (-2038) (-)

7.70

30000

25000

20000

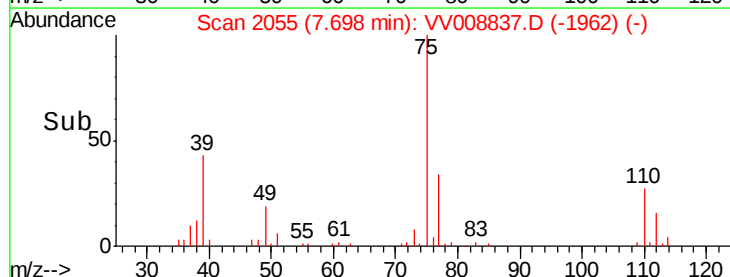
15000

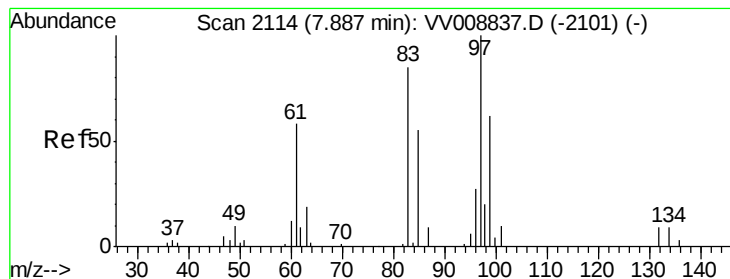
10000

5000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.959 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tgt Ion: 97 Resp: 27581

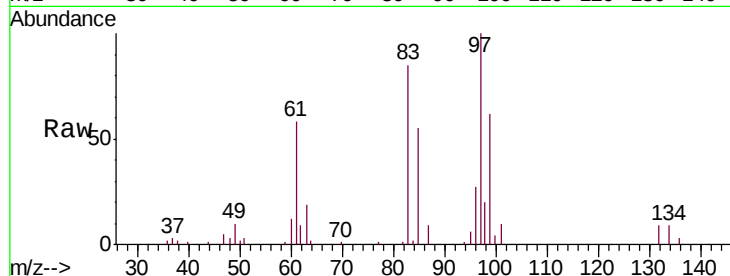
Ion Ratio Lower Upper

97 100

99 61.8 43.3 80.3

83 84.8 59.4 110.2

85 55.0 38.5 71.5

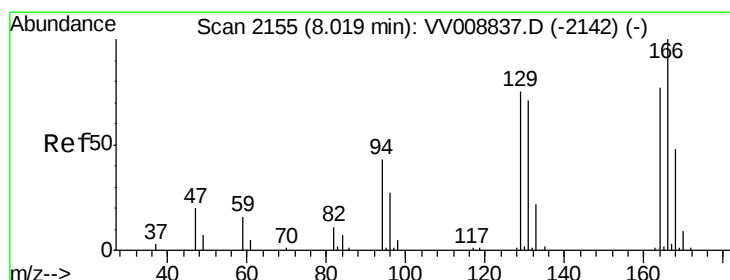
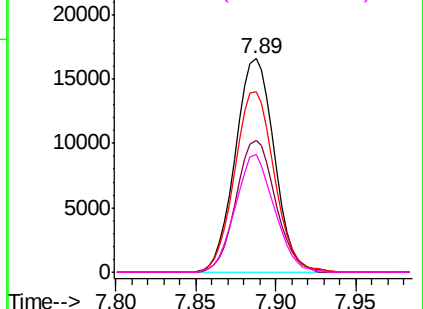
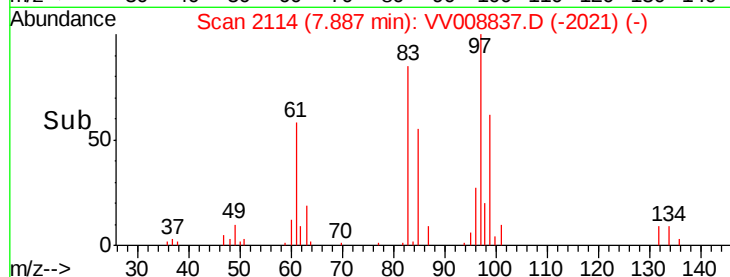


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.088 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Tgt Ion: 164 Resp: 37284

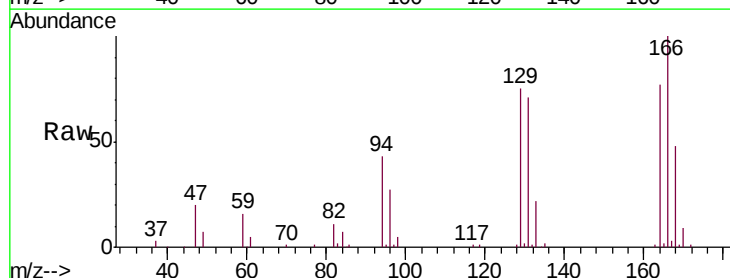
Ion Ratio Lower Upper

164 100

129 98.3 68.8 127.8

131 92.6 64.8 120.4

166 130.7 91.5 169.9

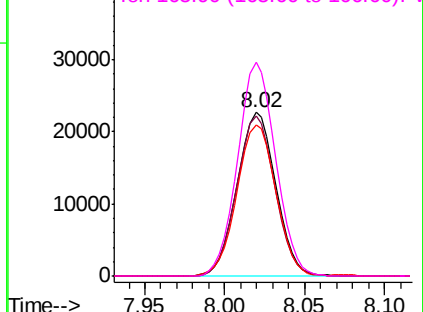
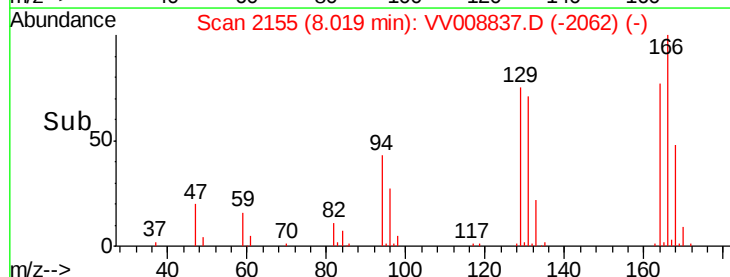


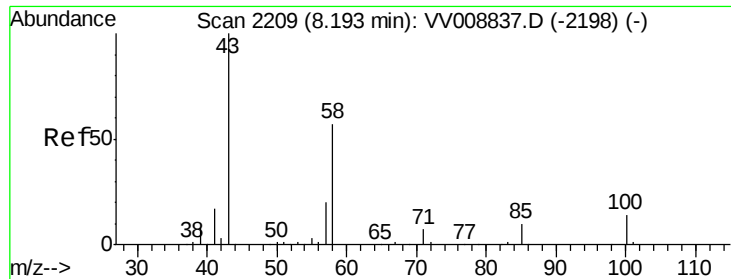
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

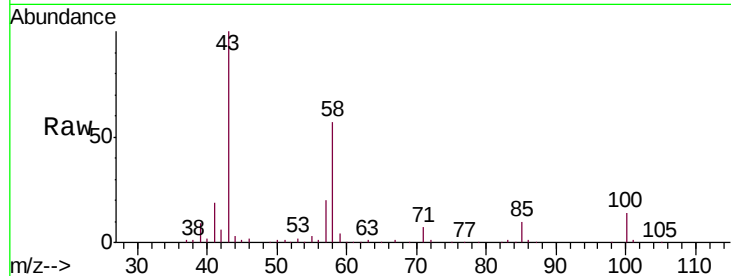




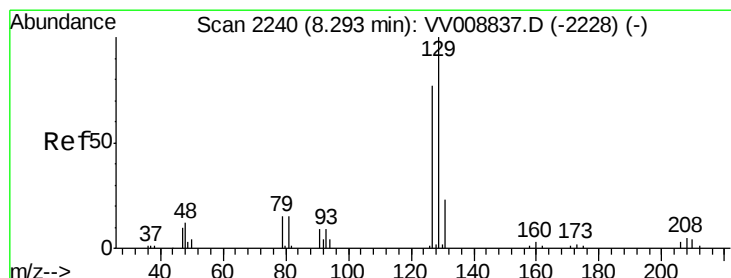
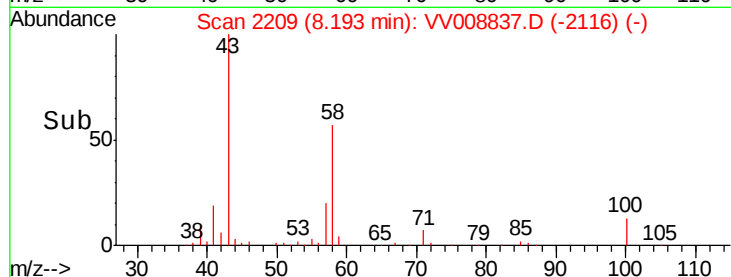
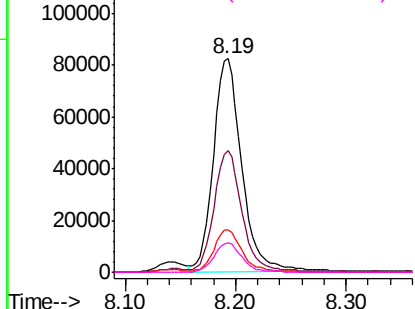
#48
2-Hexanone
Concen: 48.571 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion: 43 Resp: 145789
Ion Ratio Lower Upper
43 100
58 55.5 44.4 66.6
57 19.8 15.8 23.8
100 13.6 10.9 16.3

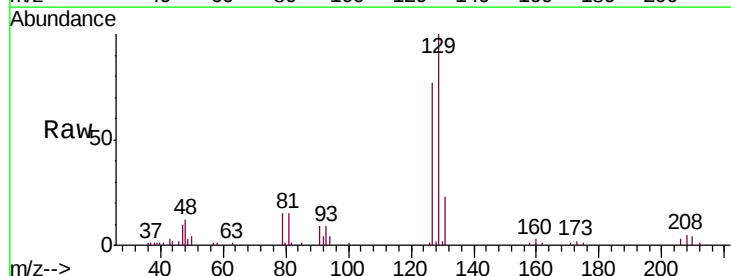


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

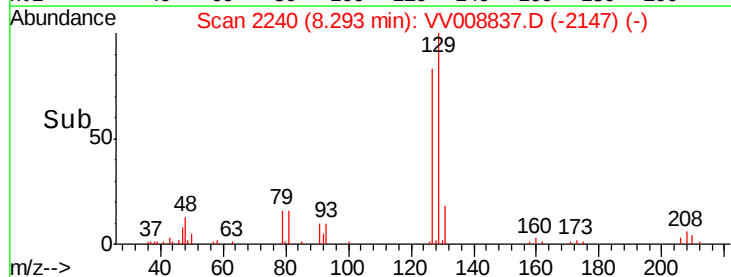
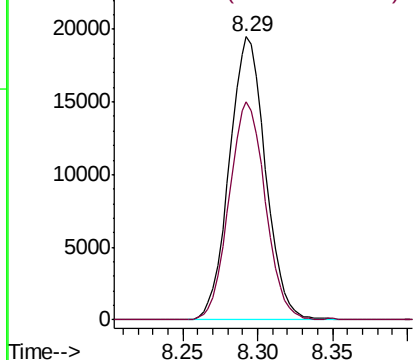


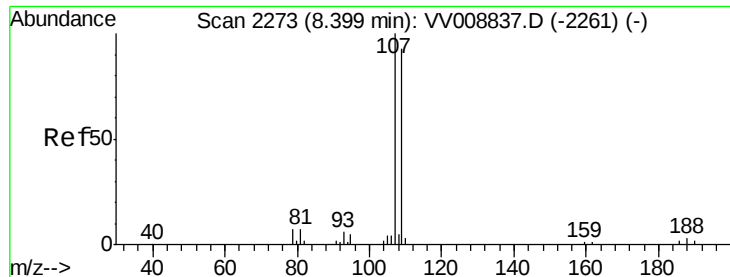
#49
Dibromochloromethane
Concen: 5.323 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

Tgt Ion: 129 Resp: 32770
Ion Ratio Lower Upper
129 100
127 77.2 54.0 100.4



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

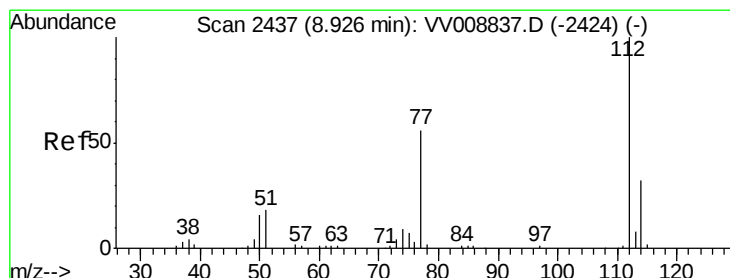
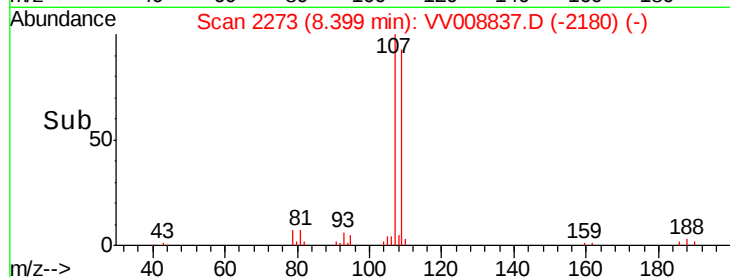
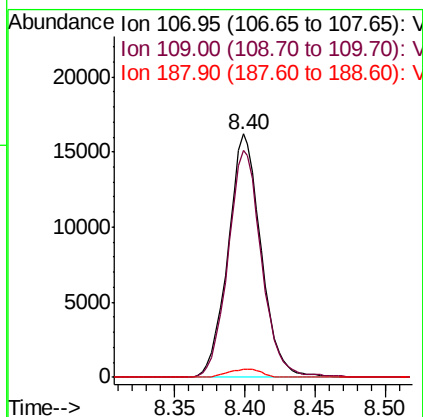
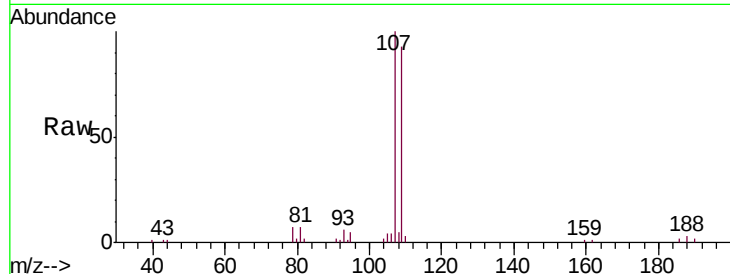




#50
1,2-Dibromoethane
Concen: 5.020 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

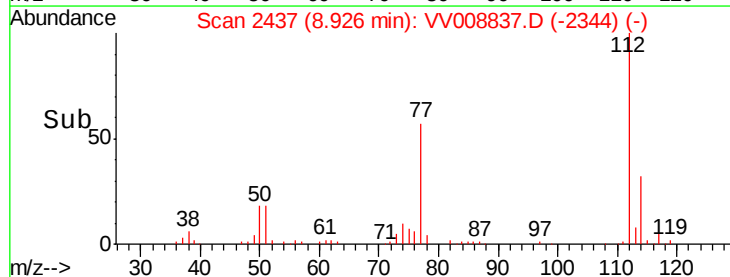
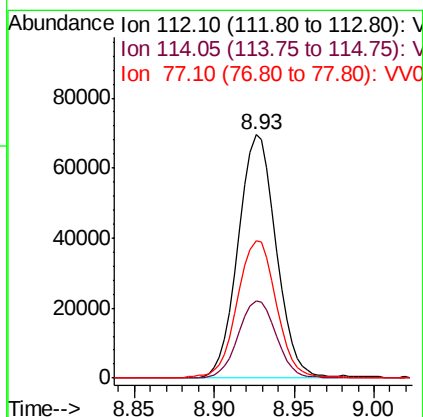
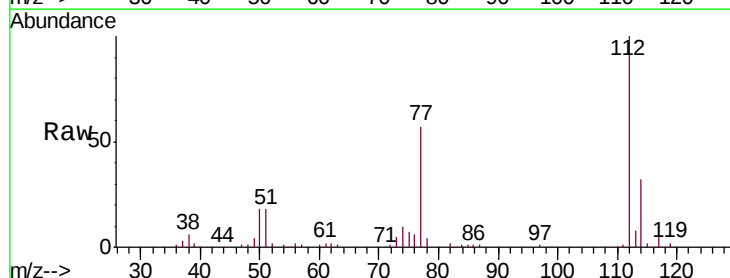
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

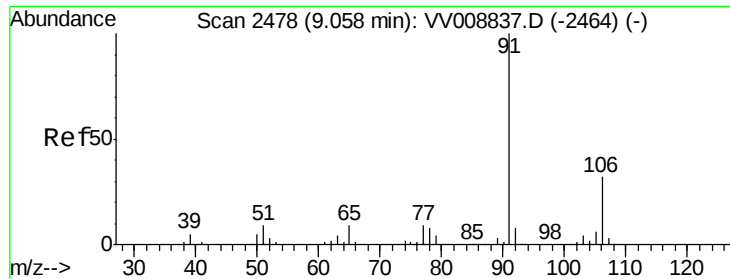
Tgt Ion:107 Resp: 26456
Ion Ratio Lower Upper
107 100
109 93.3 65.3 121.3
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 4.839 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008837.D
Acq: 05 Dec 2018 10:59

Tgt Ion:112 Resp: 112632
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 56.5 45.2 67.8





#52

Ethylbenzene

Concen: 4.934 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

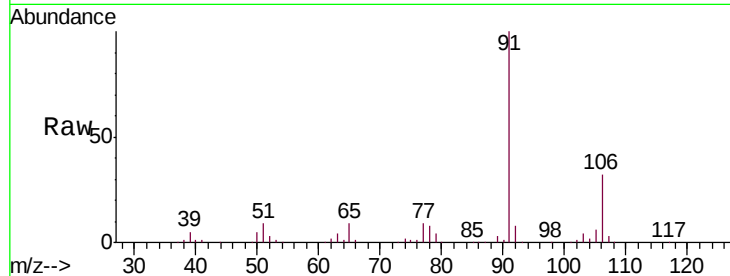
VSTD00566

Tgt Ion: 91 Resp: 188564

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV008837.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV008837.D (-2464) (-)

9.06

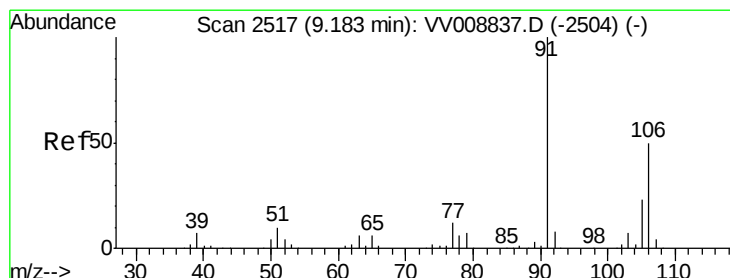
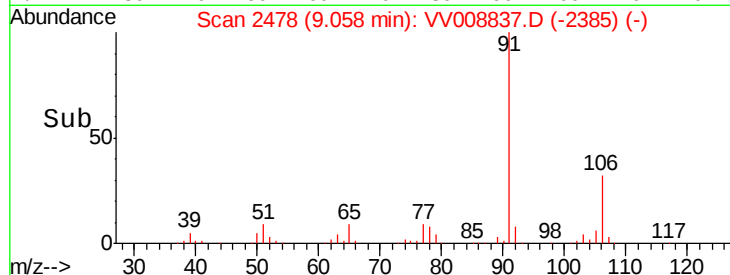
100000

50000

0

Time-->

9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 5.076 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008837.D

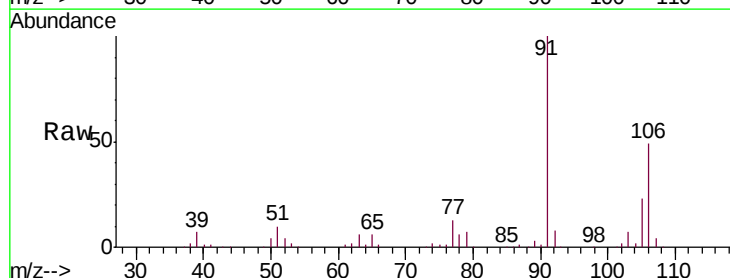
Acq: 05 Dec 2018 10:59

Tgt Ion: 106 Resp: 72944

Ion Ratio Lower Upper

106 100

91 202.7 141.9 263.5



Abundance Ion 106.15 (105.85 to 106.85): VV008837.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008837.D (-2504) (-)

9.18

100000

80000

60000

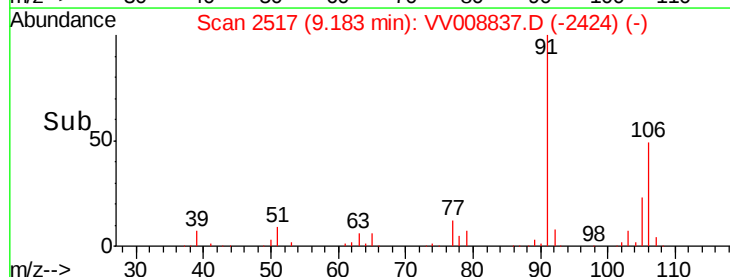
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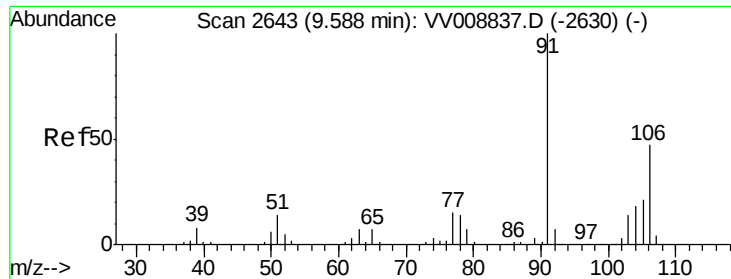
20000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#54

o-xylene

Concen: 5.086 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

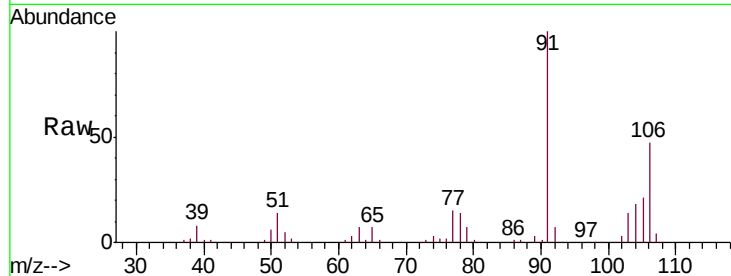
VSTD00566

Tgt Ion:106 Resp: 70159

Ion Ratio Lower Upper

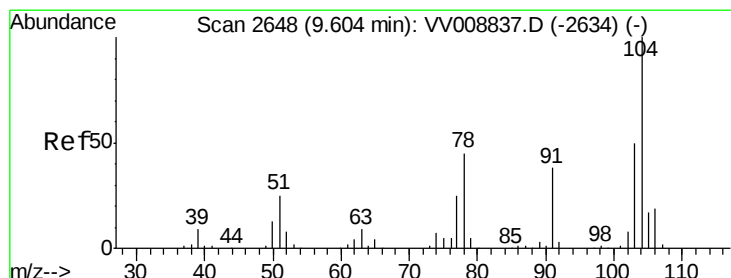
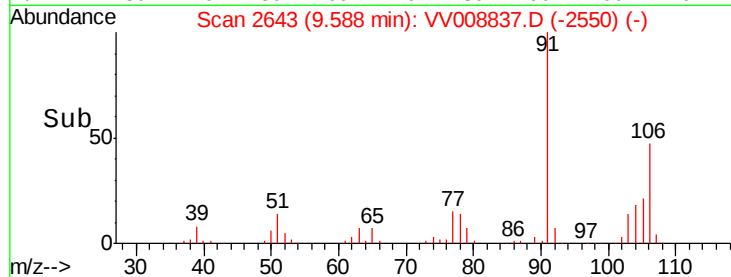
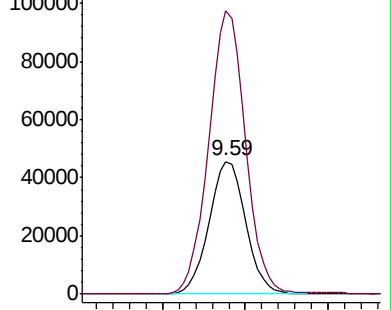
106 100

91 212.8 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.128 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008837.D

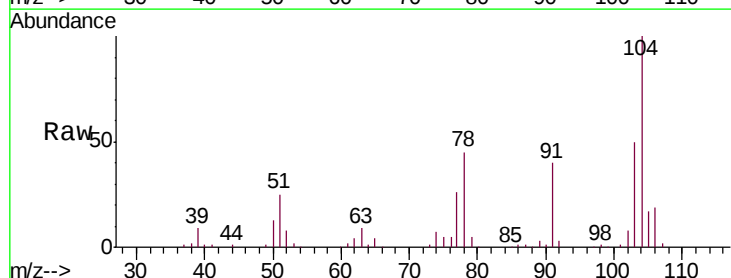
Acq: 05 Dec 2018 10:59

Tgt Ion:104 Resp: 118080

Ion Ratio Lower Upper

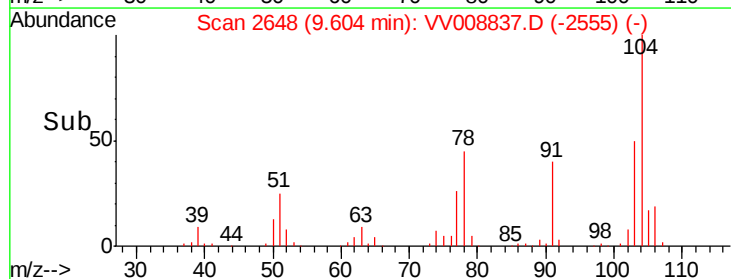
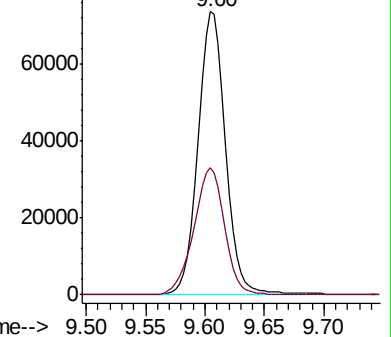
104 100

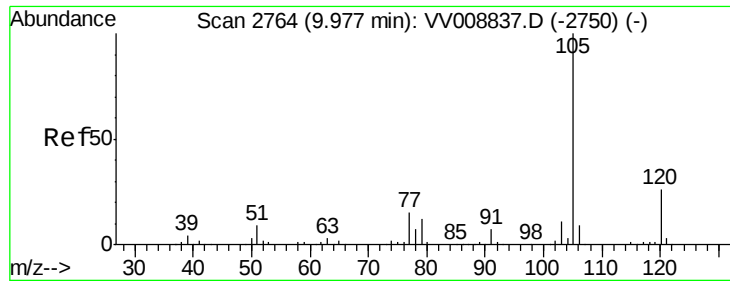
78 44.9 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.002 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

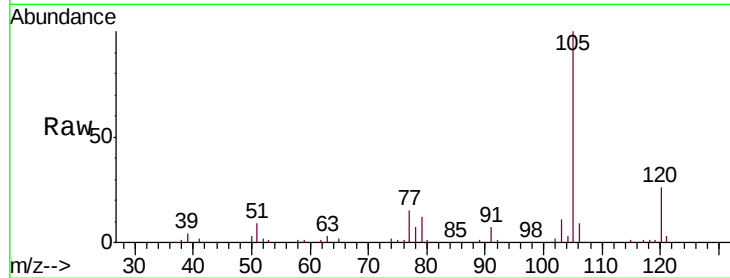
Tgt Ion:105 Resp: 188424

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

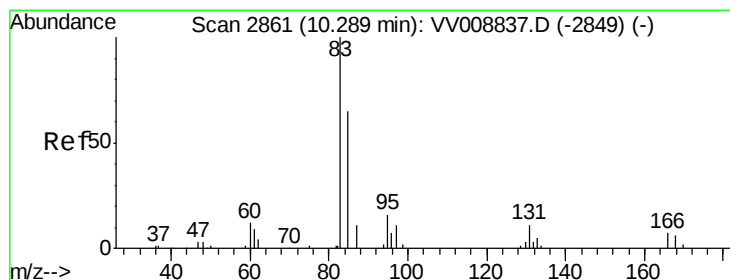
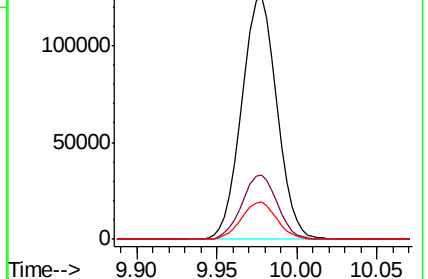
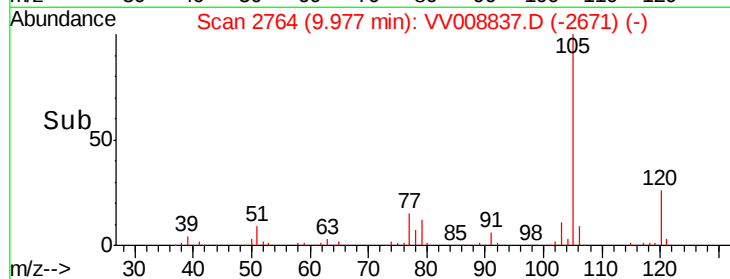
77 15.5 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.952 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

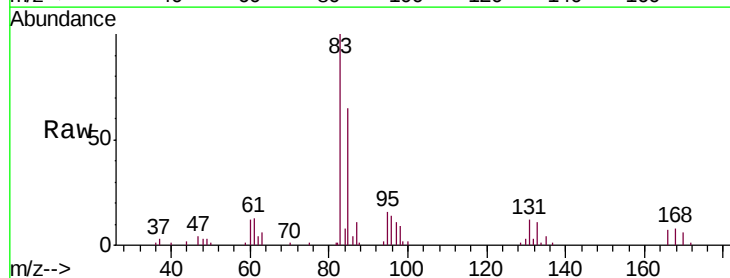
Tgt Ion: 83 Resp: 29145

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

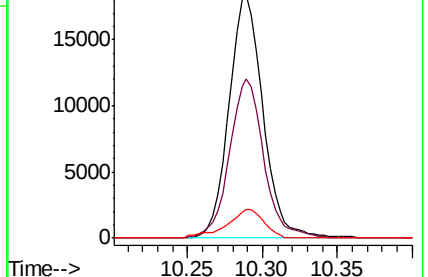
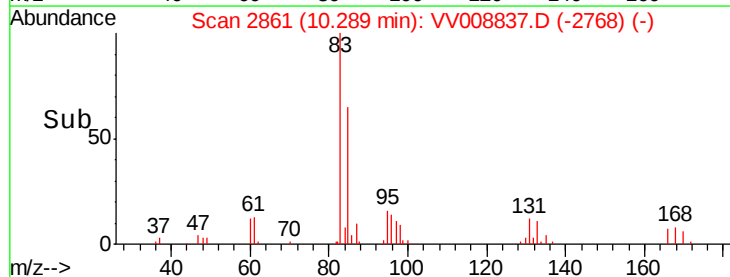
131 12.0 9.6 14.4

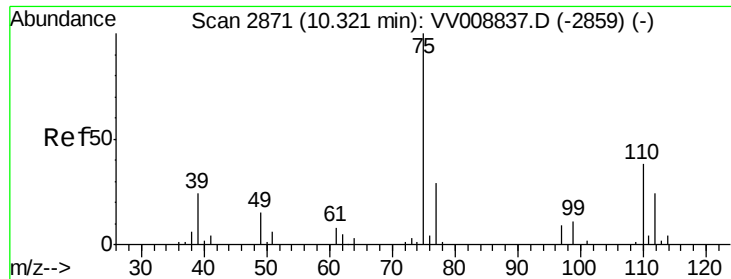


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

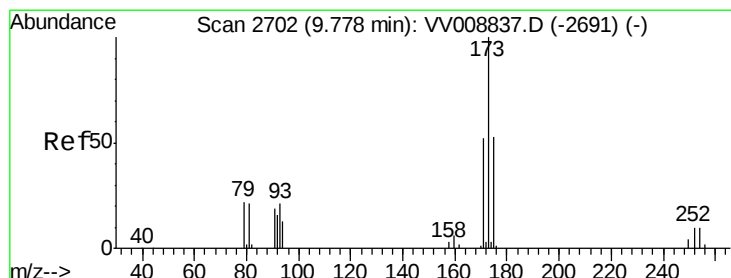
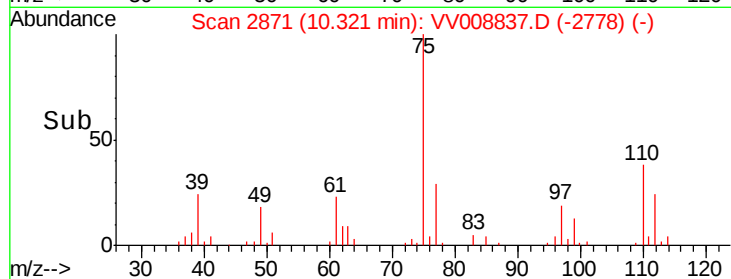
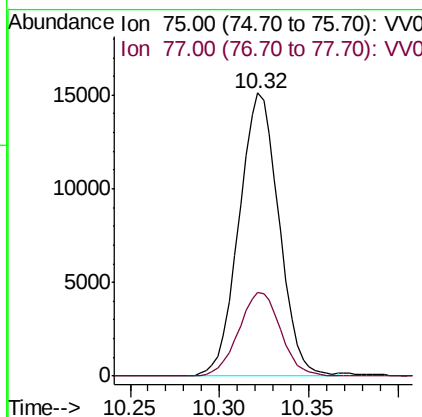
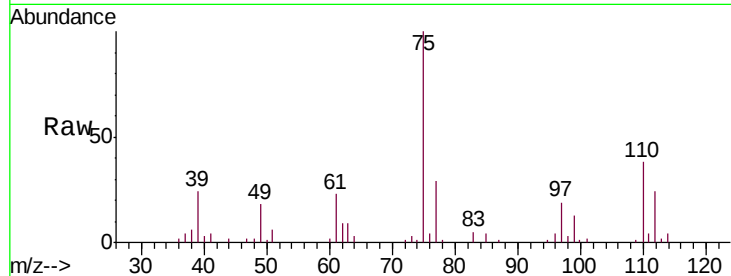




#59
 1,2,3-Trichloropropane
 Concen: 4.914 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

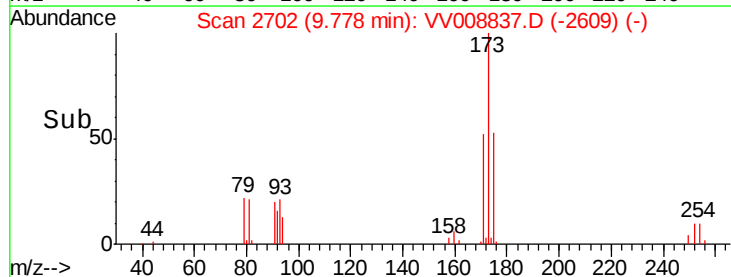
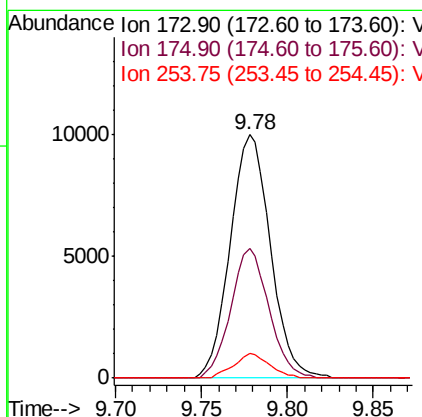
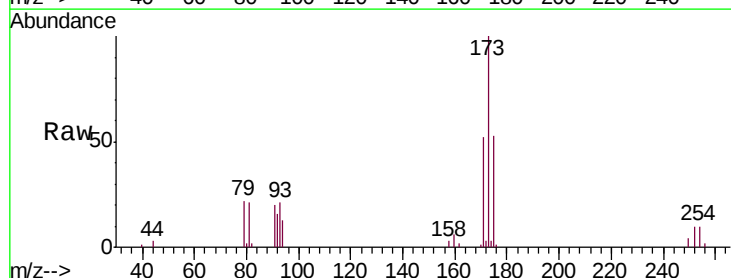
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

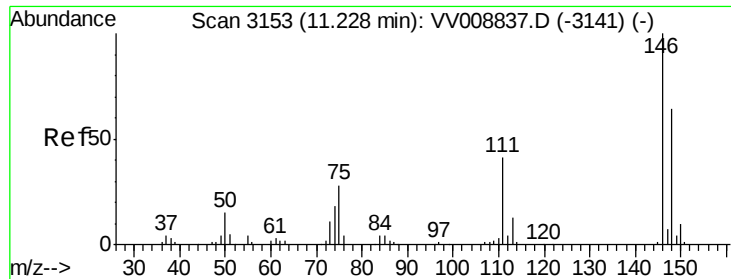
Tgt Ion: 75 Resp: 23660
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2



#61
 Bromoform
 Concen: 5.345 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion: 173 Resp: 16315
 Ion Ratio Lower Upper
 173 100
 175 50.3 40.2 60.4
 254 8.8 7.0 10.6

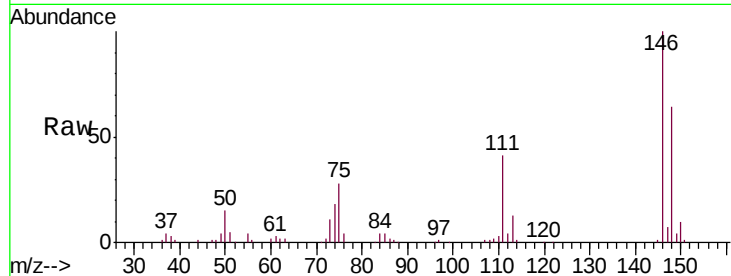




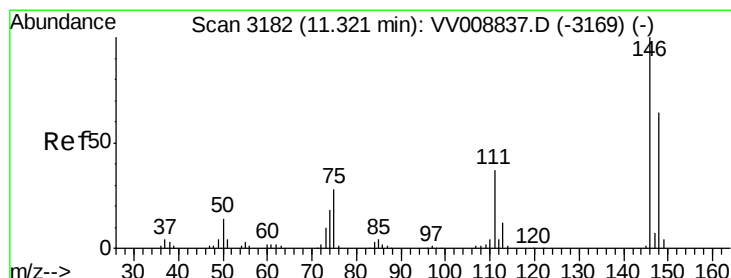
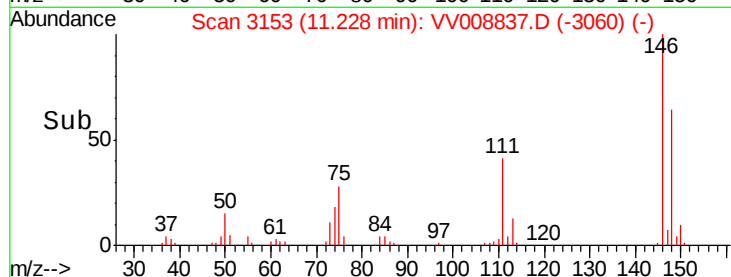
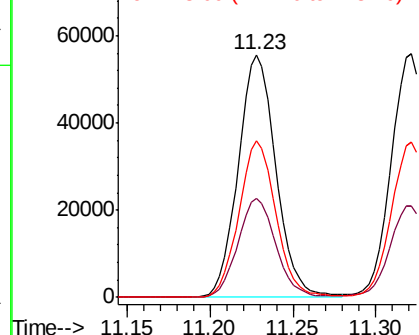
#62
 1,3-Dichlorobenzene
 Concen: 4.860 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion:146 Resp: 87897
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.5 52.9
 148 64.3 45.0 83.6

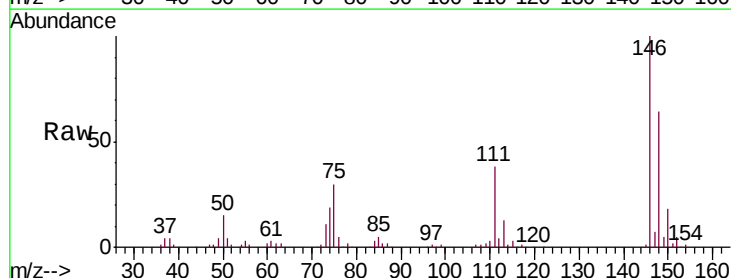


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

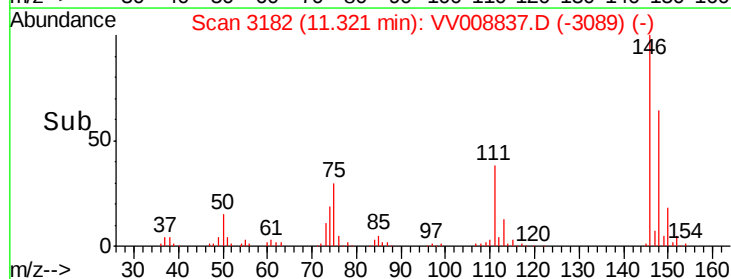
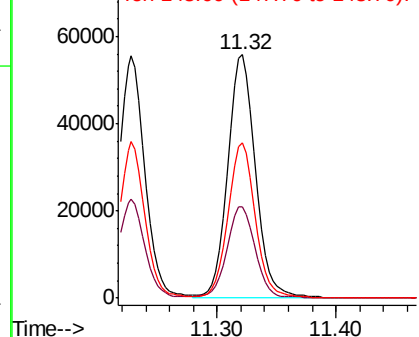


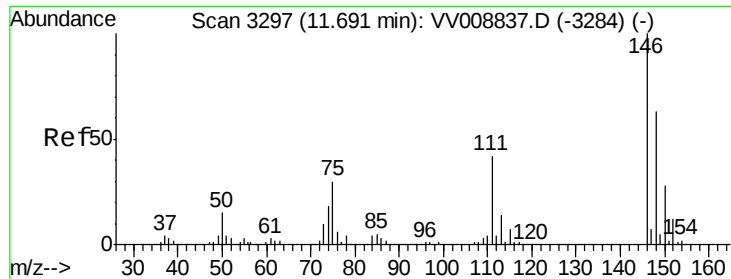
#63
 1,4-Dichlorobenzene
 Concen: 5.011 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion:146 Resp: 90310
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.2 48.8
 148 63.8 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: 4.865 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

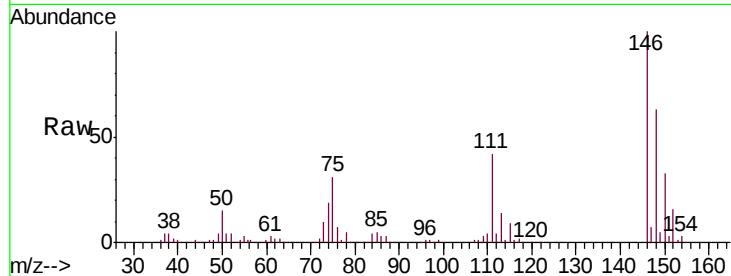
Tgt Ion:146 Resp: 83267

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.6

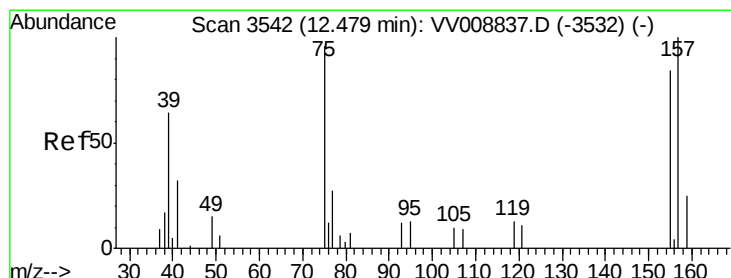
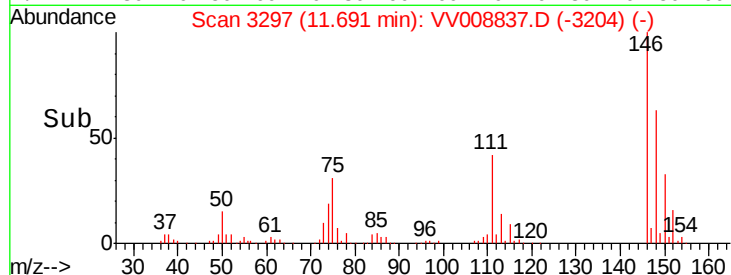
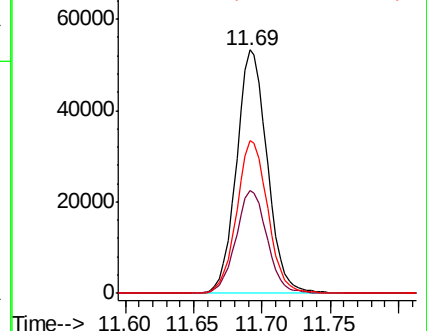
148 62.5 50.0 75.0



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: 5.110 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

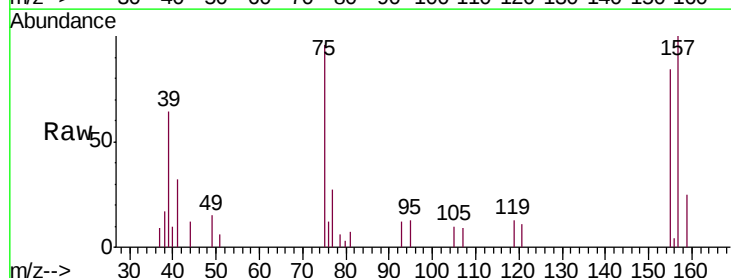
Tgt Ion: 75 Resp: 4313

Ion Ratio Lower Upper

75 100

155 87.8 70.2 105.4

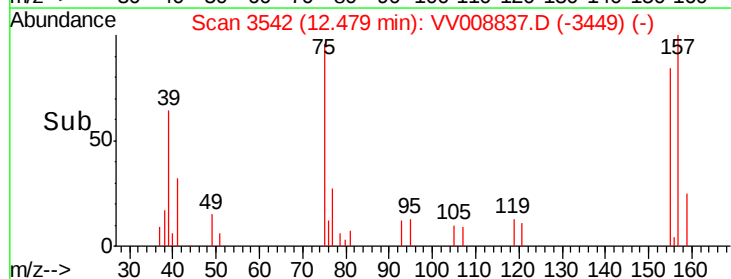
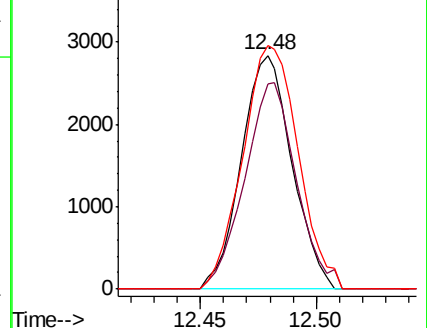
157 104.3 83.4 125.2

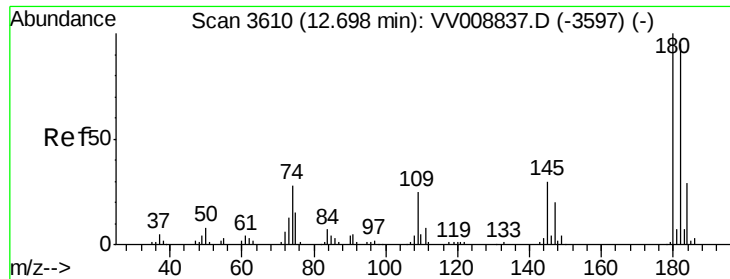


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

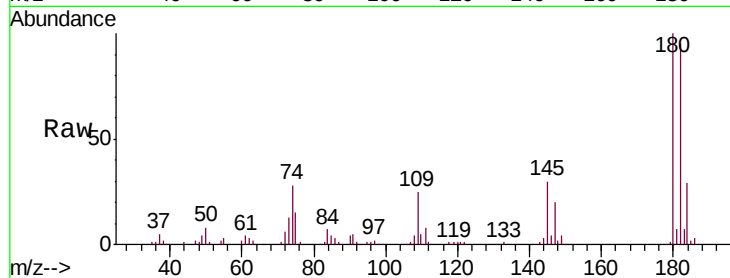




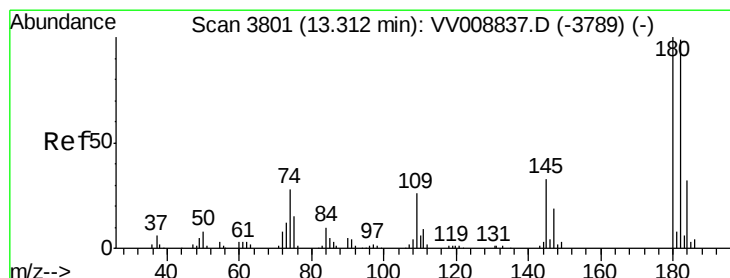
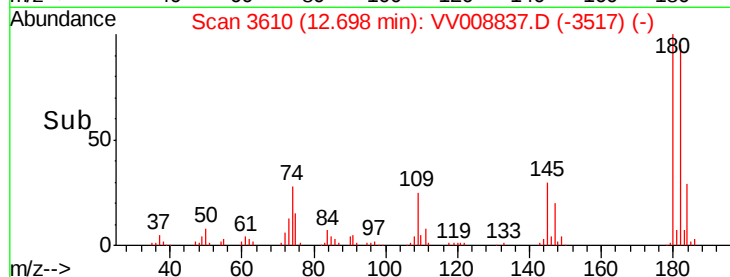
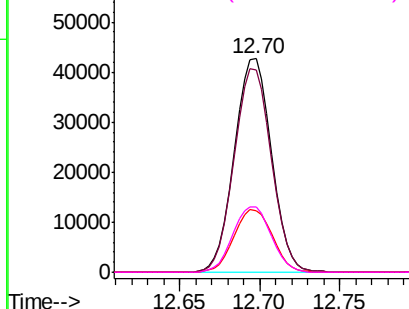
#67
 1,3,5-Trichlorobenzene
 Concen: 5.080 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion:180 Resp: 67518
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.4 24.3 36.5
 145 31.5 25.2 37.8

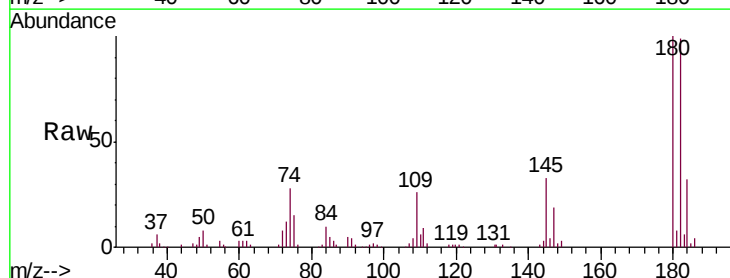


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

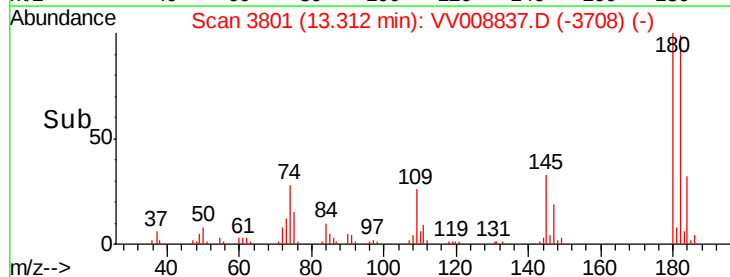
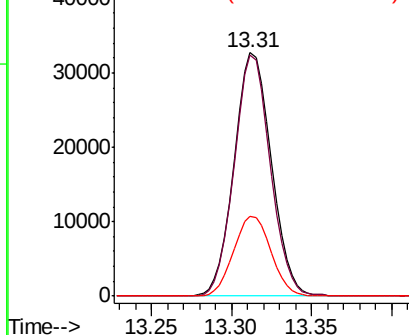


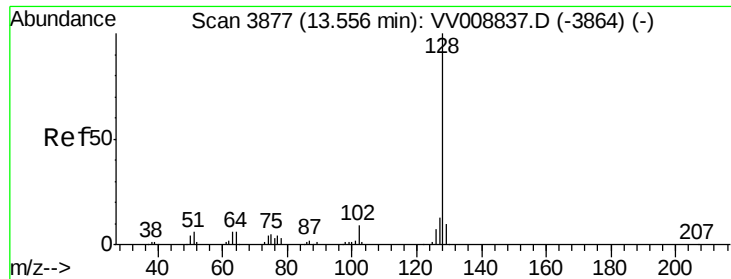
#68
 1,2,4-trichlorobenzene
 Concen: 5.281 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008837.D
 Acq: 05 Dec 2018 10:59

Tgt Ion:180 Resp: 51887
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.4
 145 32.8 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: 5.207 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

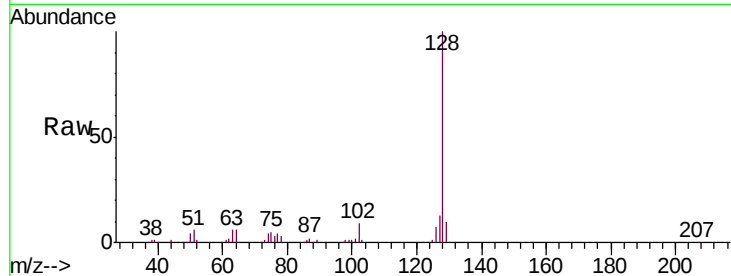
Tgt Ion:128 Resp: 75153

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

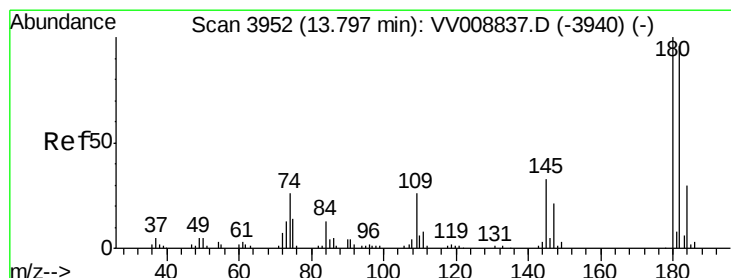
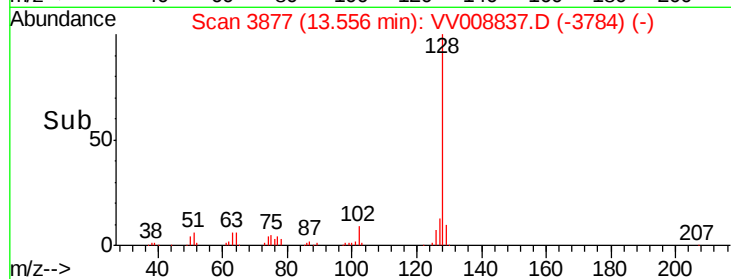
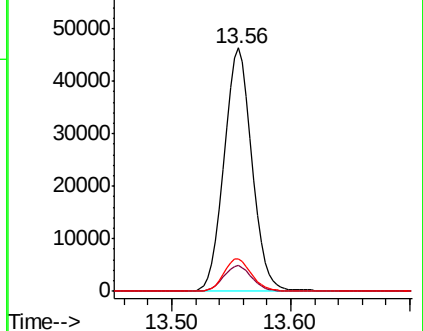
127 13.2 10.6 15.8



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: 5.241 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008837.D

Acq: 05 Dec 2018 10:59

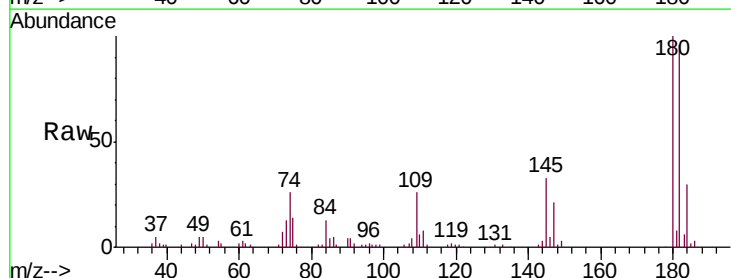
Tgt Ion:180 Resp: 48333

Ion Ratio Lower Upper

180 100

182 97.3 77.8 116.8

145 33.3 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

