

Data File : VV008835.D
Acq On : 05 Dec 2018 10:08
Operator : SY/MD
Sample : VSTD0.564
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

Quant Time: Dec 06 04:39:37 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	5.66	114	149371	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	139341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4487	0.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	3134	0.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	8303	0.48	ug/L	0.00
20) 2-Butanone-d5	3.99	46	9559	4.19	ug/L	0.01
24) Chloroform-d	4.41	84	10262	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	4771	0.49	ug/L	0.00
32) Benzene-d6	5.10	84	20084	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5780	0.46	ug/L	0.00
41) Toluene-d8	7.36	98	18471	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1974	0.47	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	6605	3.76	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	3767	0.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	6848	0.52	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	7777	0.581	ug/L	99
3) Chloromethane	1.25	50	5024	0.513	ug/L	97
5) Vinyl chloride	1.32	62	5133	0.529	ug/L	97
6) Bromomethane	1.54	94	2890	0.477	ug/L	95
8) Chloroethane	1.60	64	2986	0.538	ug/L	98
9) Trichlorofluoromethane	1.77	101	8359	0.564	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4512	0.539	ug/L	93
12) 1,1-Dichloroethene	2.14	96	3864	0.528	ug/L	98
13) Acetone	2.23	43	2982	2.605	ug/L	87
14) Carbon disulfide	2.32	76	11837	0.552	ug/L	98
15) Methyl Acetate	2.48	43	1134	0.376	ug/L #	83
16) Methylene chloride	2.54	84	4643	0.563	ug/L	85
17) Methyl tert-butyl Ether	2.81	73	9515	0.528	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	4517	0.563	ug/L	84
19) 1,1-Dichloroethane	3.23	63	8856	0.500	ug/L	98
21) 2-Butanone	4.06	43	8336	3.670	ug/L #	69
22) cis-1,2-Dichloroethene	3.96	96	5707	0.506	ug/L	97
23) Bromochloromethane	4.31	128	2341	0.505	ug/L	89
25) Chloroform	4.43	83	10282	0.528	ug/L	99
27) 1,2-Dichloroethane	5.18	62	5510	0.492	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	8556	0.524	ug/L	100
30) Cyclohexane	4.72	56	7996	0.473	ug/L #	92
31) Carbon tetrachloride	4.87	117	7873	0.555	ug/L	96
33) Benzene	5.15	78	20827	0.505	ug/L	100
34) Trichloroethene	5.96	95	6433	0.555	ug/L	96
35) Methylcyclohexane	6.17	83	9650	0.527	ug/L	97
37) 1,2-Dichloropropane	6.23	63	4807	0.467	ug/L #	89
38) Bromodichloromethane	6.56	83	6190	0.524	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	6643	0.489	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	23366	4.435	ug/L	99

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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)
42) Toluene	7.43	91	21857	0.504	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	4700	0.437	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	3384	0.495	ug/L	95
47) Tetrachloroethene	8.02	164	4989	0.553	ug/L	96
48) 2-Hexanone	8.19	43	15798	4.278	ug/L	98
49) Dibromochloromethane	8.29	129	3859	0.510	ug/L	98
50) 1,2-Dibromoethane	8.40	107	3228	0.498	ug/L #	100
51) Chlorobenzene	8.93	112	14824	0.518	ug/L	98
52) Ethylbenzene	9.06	91	23812	0.506	ug/L	99
53) m,p-xylene	9.18	106	8893	0.503	ug/L	91
54) o-xylene	9.59	106	8493	0.500	ug/L	93
55) Styrene	9.60	104	13347	0.471	ug/L	94
56) Isopropylbenzene	9.98	105	22497	0.485	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	3030	0.419	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	3003	0.507	ug/L	96
61) Bromoform	9.77	173	1933	0.540	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	11304	0.533	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	11476	0.543	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	10198	0.508	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	486	0.491	ug/L #	70
67) 1,3,5-Trichlorobenzene	12.70	180	7836	0.503	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	5032	0.437	ug/L	94
69) Naphthalene	13.56	128	6345	0.375	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	4844	0.448	ug/L	94

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

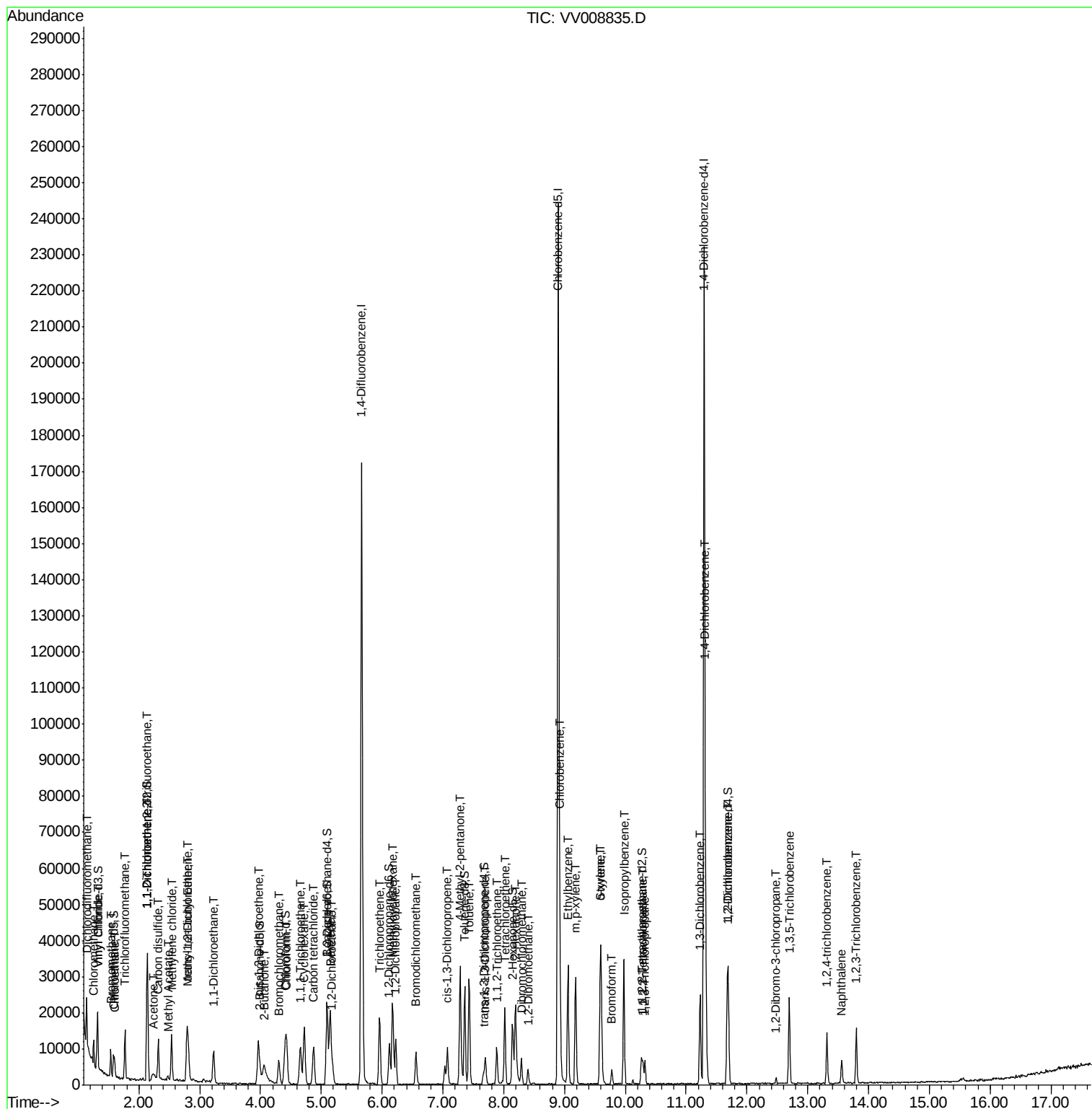
Quant Time: Dec 06 04:39:37 2018

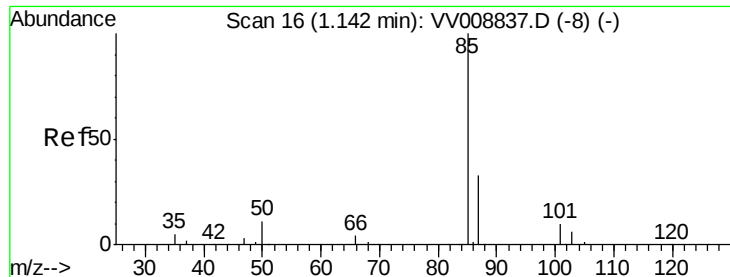
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR120518WMA.M

Quant Title : TRACE VOA SOM01.0

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.581 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

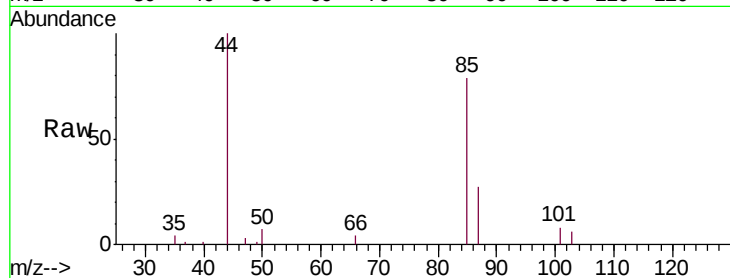
VSTD0.564

Tgt Ion: 85 Resp: 7777

Ion Ratio Lower Upper

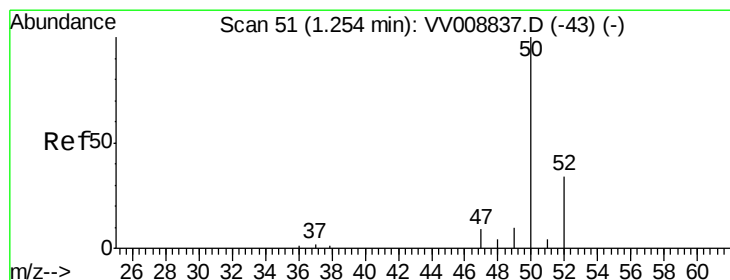
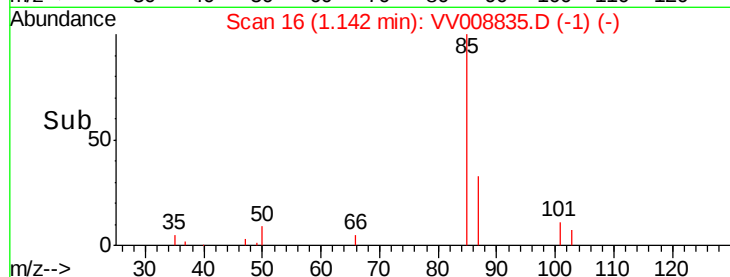
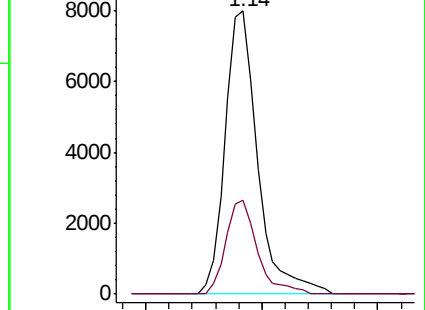
85 100

87 32.1 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: 0.513 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008835.D

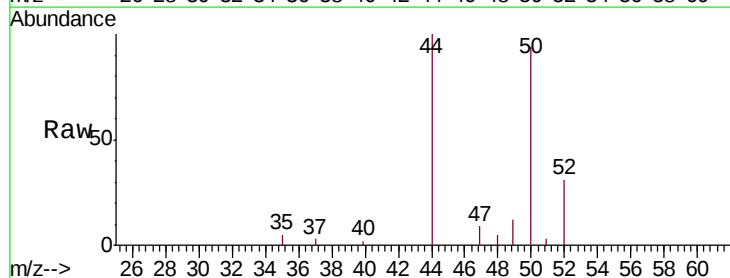
Acq: 05 Dec 2018 10:08

Tgt Ion: 50 Resp: 5024

Ion Ratio Lower Upper

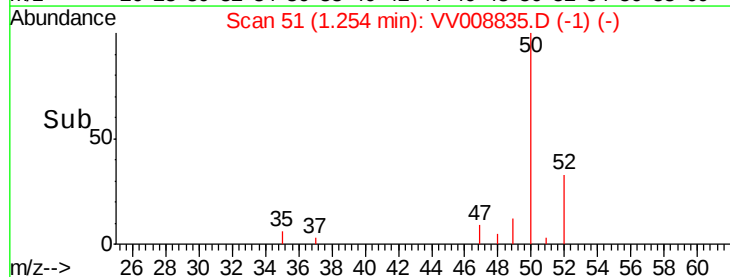
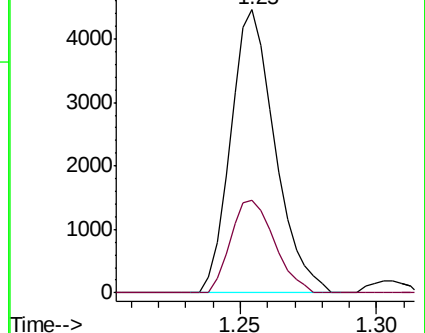
50 100

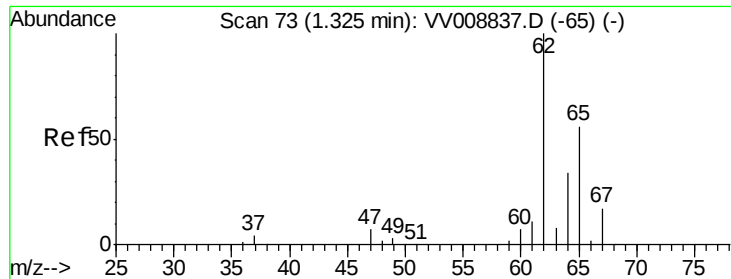
52 32.6 23.9 44.5



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: 0.529 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

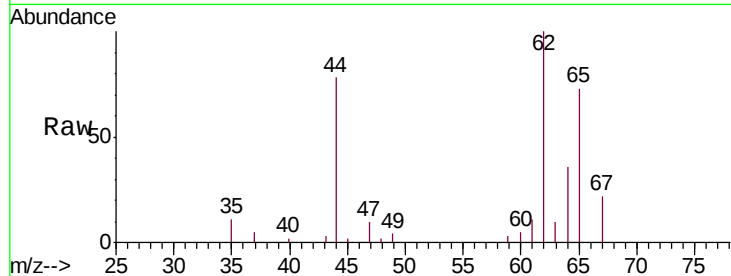
VSTD0.564

Tgt Ion: 62 Resp: 5133

Ion Ratio Lower Upper

62 100

64 35.8 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) (-)

1.32

6000

5000

4000

3000

2000

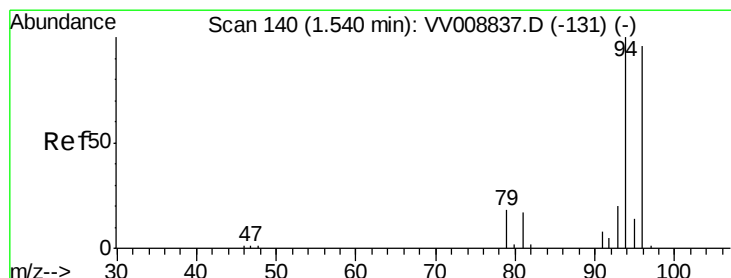
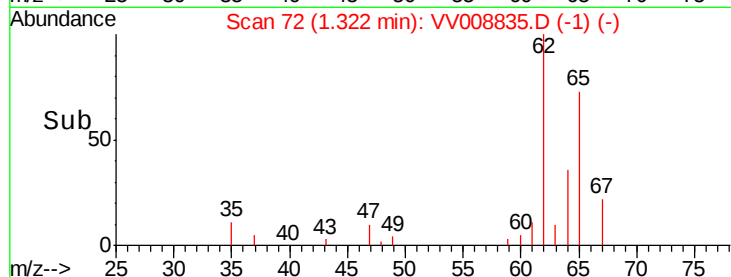
1000

0

Time-->

1.30

1.35



#6

Bromomethane

Concen: 0.477 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008835.D

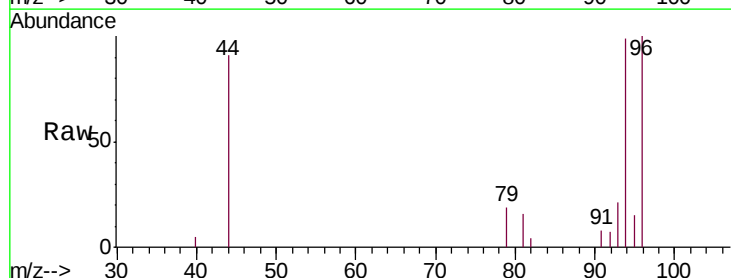
Acq: 05 Dec 2018 10:08

Tgt Ion: 94 Resp: 2890

Ion Ratio Lower Upper

94 100

96 100.7 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) (-)

1.54

3000

2500

2000

1500

1000

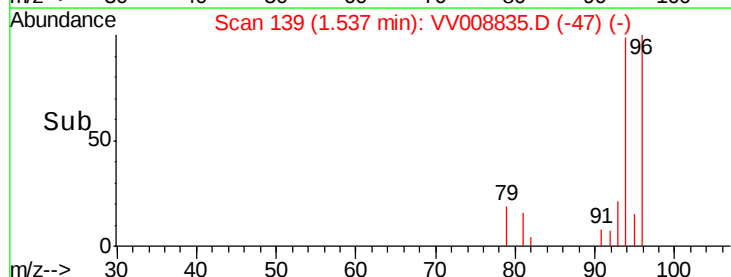
500

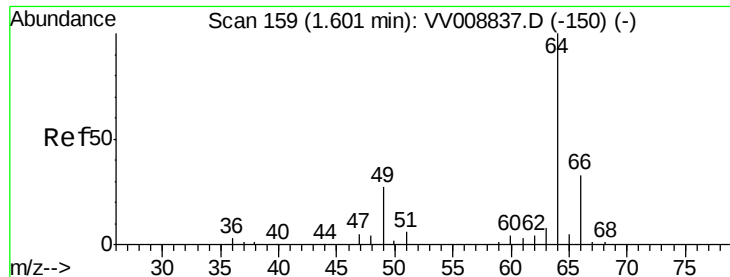
0

Time-->

1.50

1.55

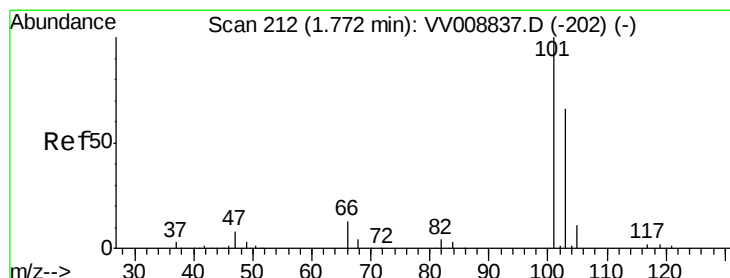
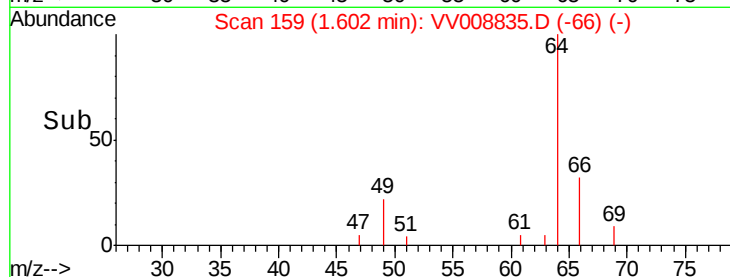
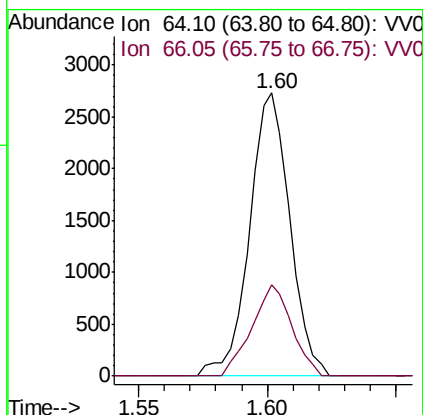
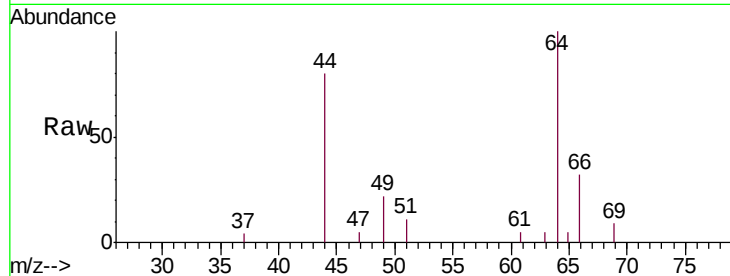




#8
 Chloroethane
 Concen: 0.538 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

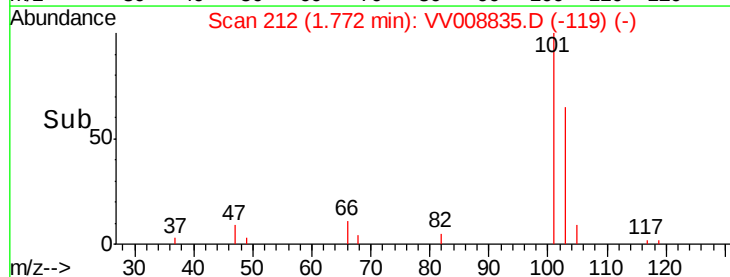
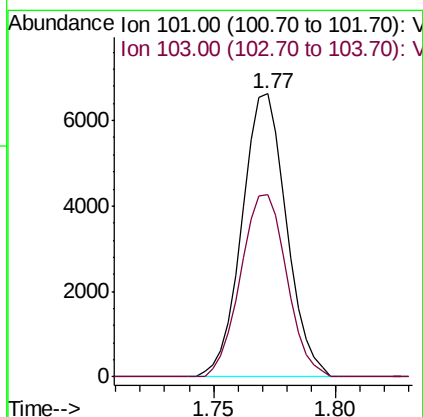
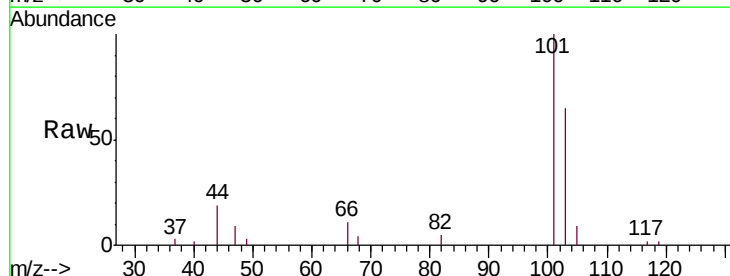
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

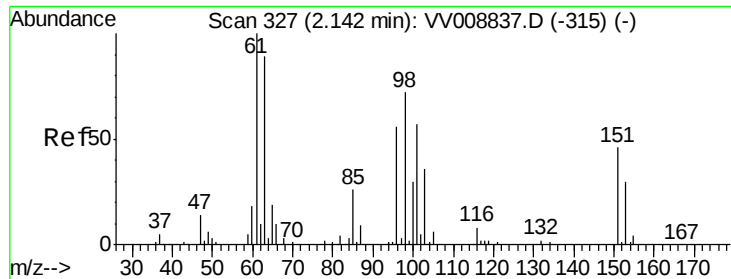
Tgt Ion: 64 Resp: 2986
 Ion Ratio Lower Upper
 64 100
 66 32.3 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 0.564 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 101 Resp: 8359
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.5 78.7





#10

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

Concen: 0.539 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

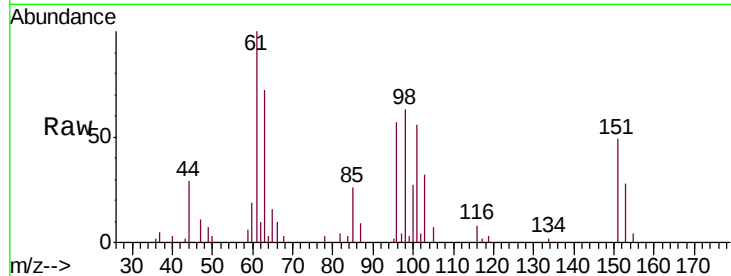
Tgt Ion:101 Resp: 4512

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.6

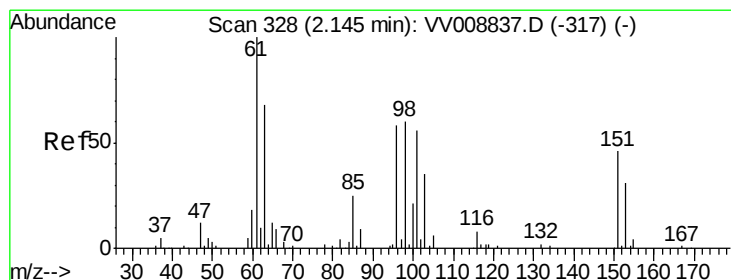
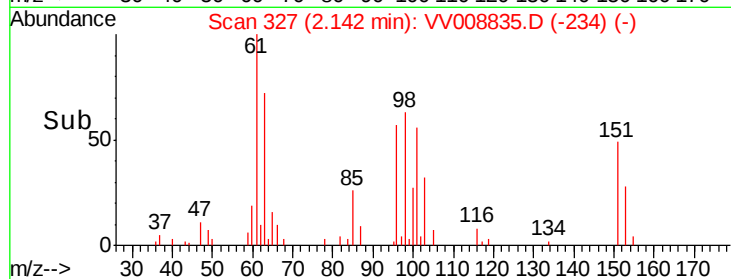
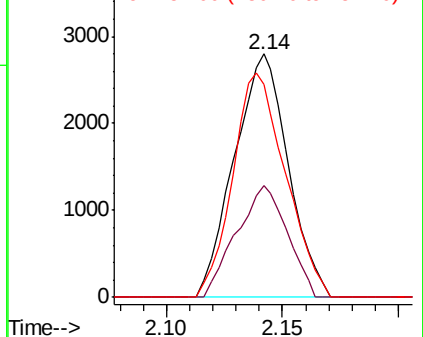
151 90.1 65.1 97.7



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: 0.528 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

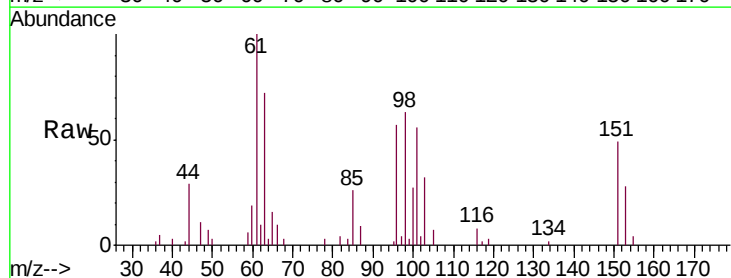
Tgt Ion: 96 Resp: 3864

Ion Ratio Lower Upper

96 100

61 174.4 120.8 224.4

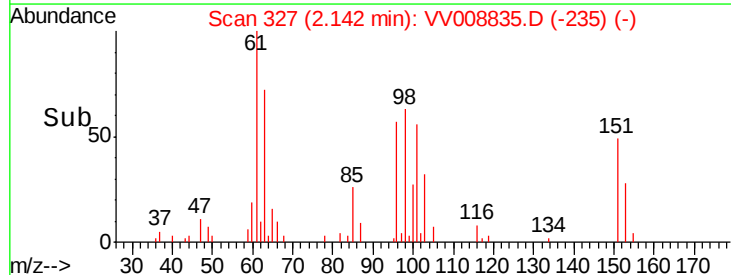
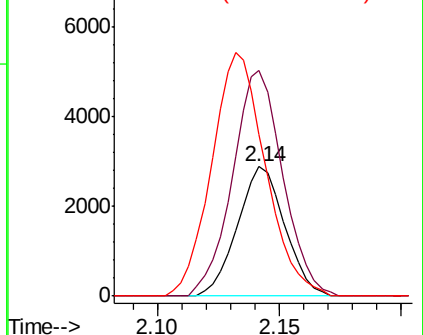
63 125.0 85.0 158.0

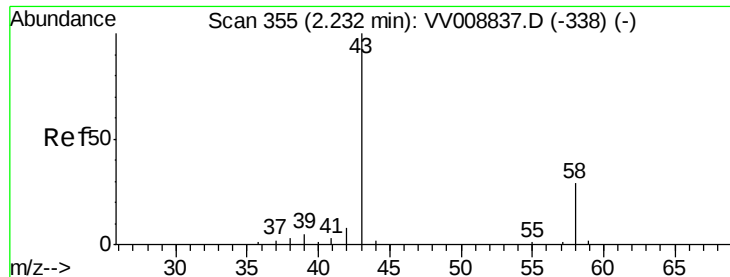


Abundance Ion 96.00 (95.70 to 96.70): VV008837.D (-317) (-)

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: 2.605 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

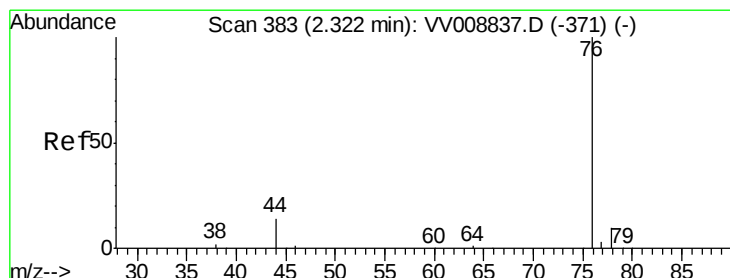
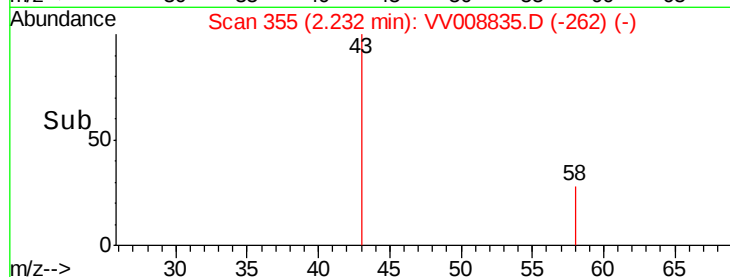
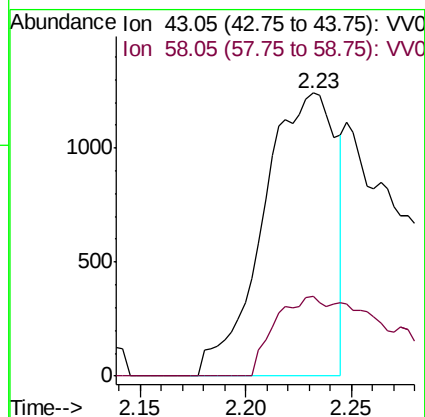
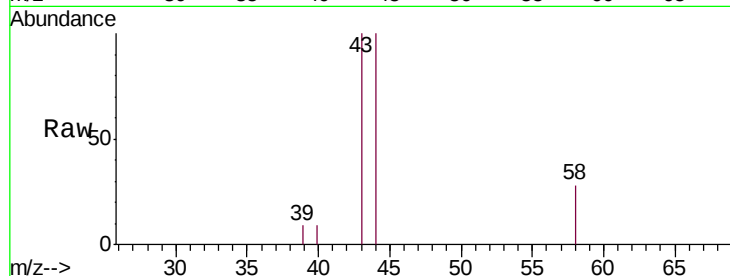
VSTD0.564

Tgt Ion: 43 Resp: 2982

Ion Ratio Lower Upper

43 100

58 19.4 0.0 52.4



#14

Carbon disulfide

Concen: 0.552 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008835.D

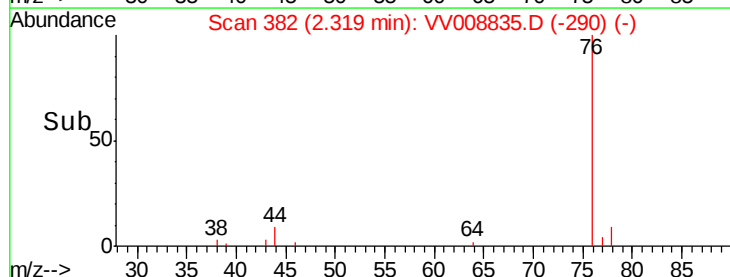
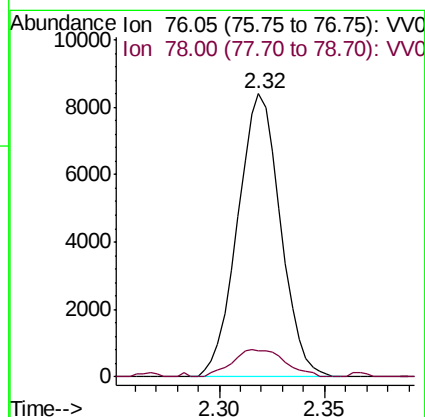
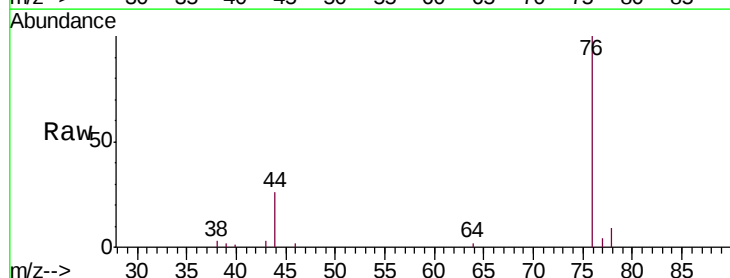
Acq: 05 Dec 2018 10:08

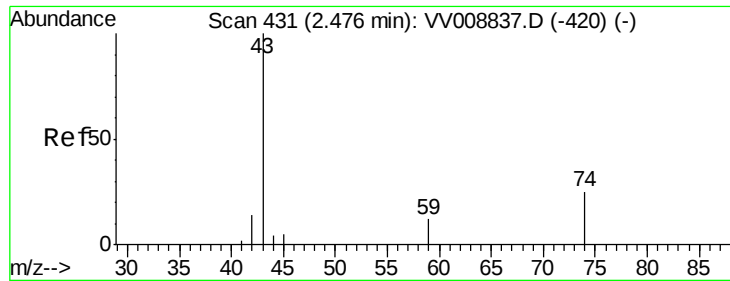
Tgt Ion: 76 Resp: 11837

Ion Ratio Lower Upper

76 100

78 9.2 8.0 12.0





#15

Methyl Acetate

Concen: 0.376 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

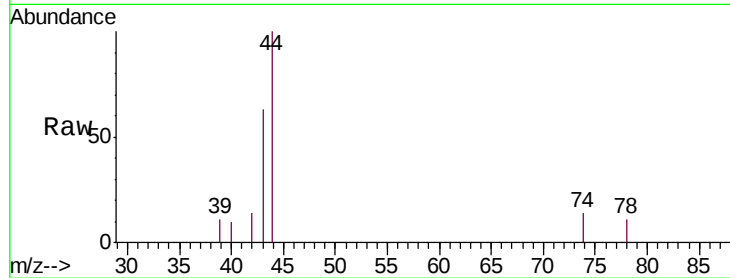
VSTD0.564

Tgt Ion: 43 Resp: 1134

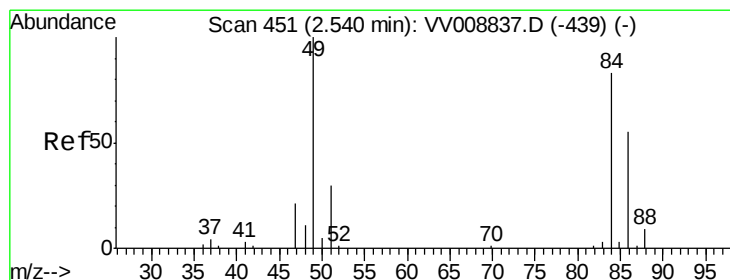
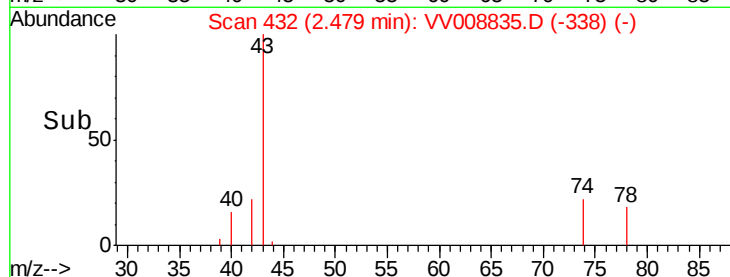
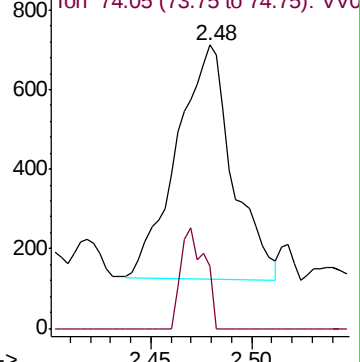
Ion Ratio Lower Upper

43 100

74 18.6 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV008835.D (-338) (-)



#16

Methylene chloride

Concen: 0.563 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

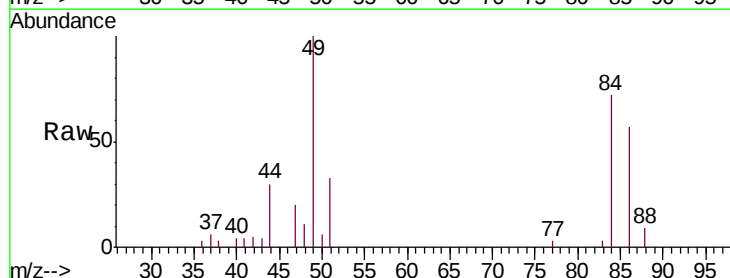
Tgt Ion: 84 Resp: 4643

Ion Ratio Lower Upper

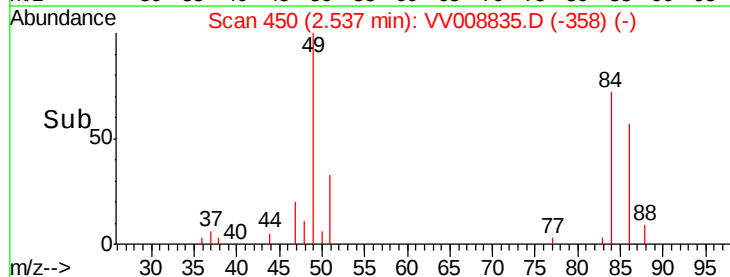
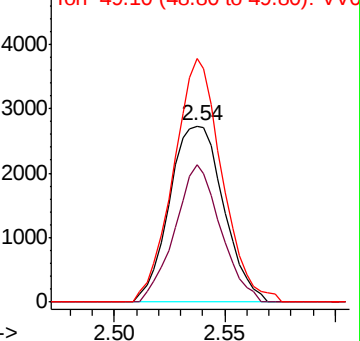
84 100

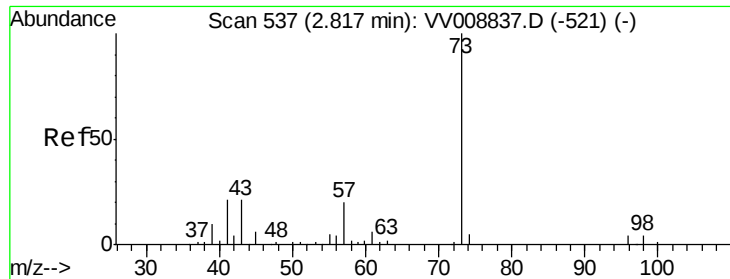
86 78.2 46.7 86.7

49 138.0 84.8 157.4



Abundance Ion 84.05 (83.75 to 84.75): VV008835.D (-358) (-)

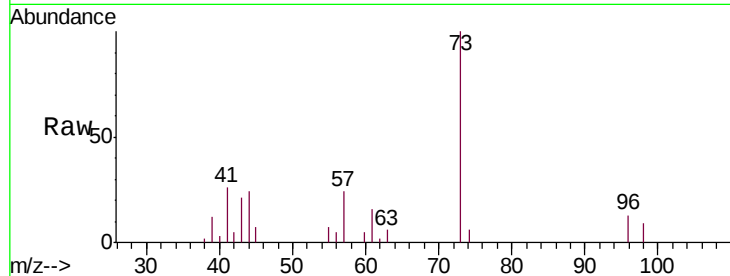




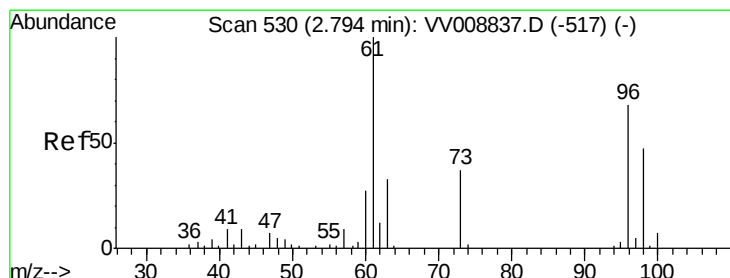
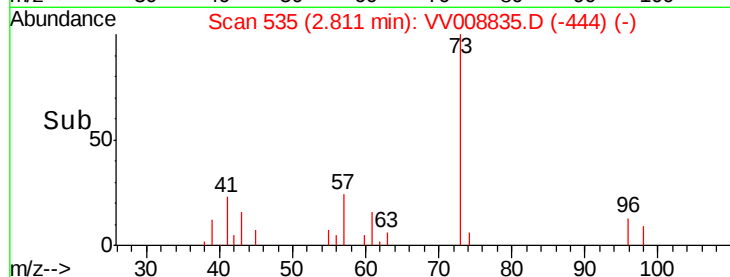
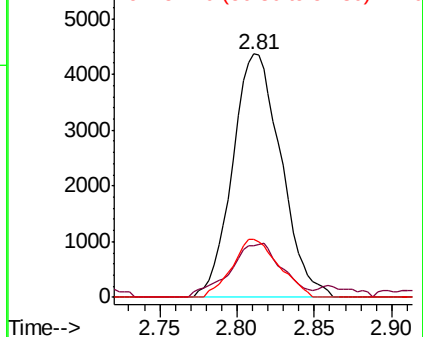
#17
Methyl tert-butyl Ether
Concen: 0.528 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.01 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

Tgt Ion: 73 Resp: 9515
Ion Ratio Lower Upper
73 100
43 24.1 17.3 25.9
57 22.9 16.8 25.2

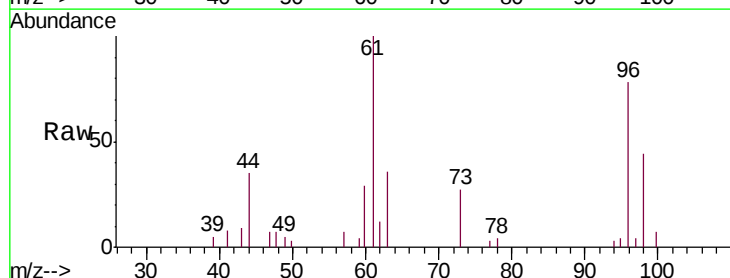


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

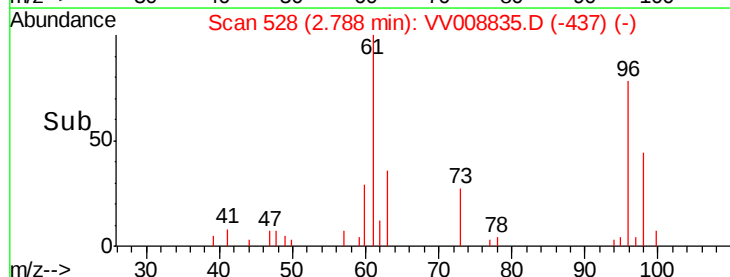
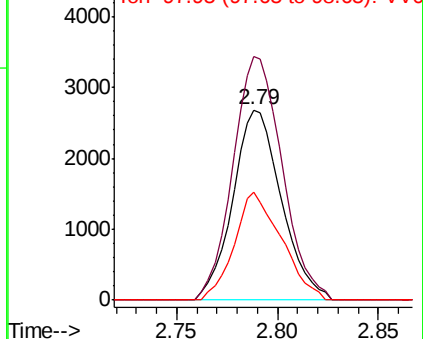


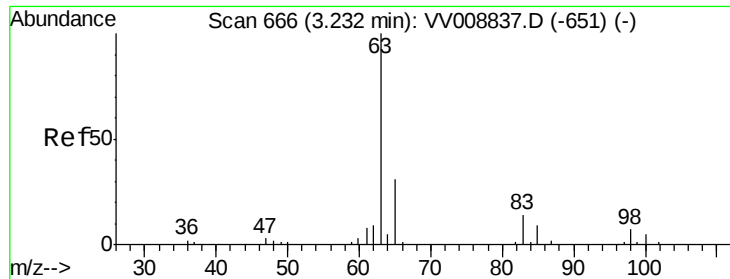
#18
trans-1,2-Dichloroethene
Concen: 0.563 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

Tgt Ion: 96 Resp: 4517
Ion Ratio Lower Upper
96 100
61 127.8 103.0 191.4
98 56.3 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

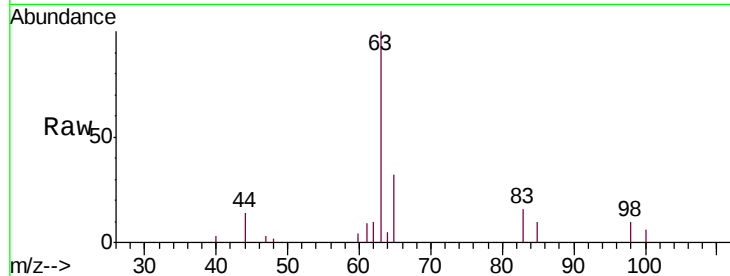




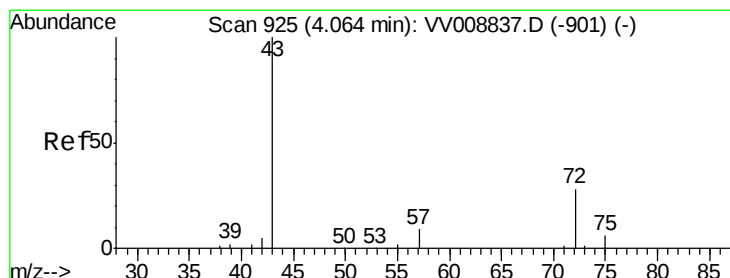
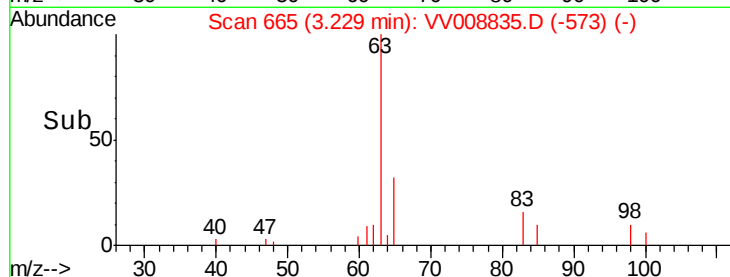
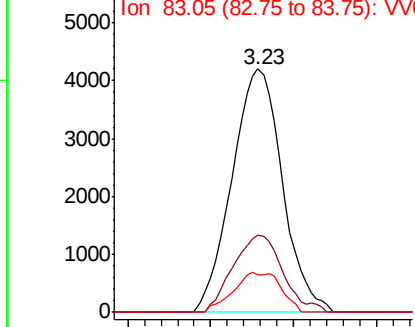
#19
 1,1-Dichloroethane
 Concen: 0.500 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tgt Ion: 63 Resp: 8856
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 40.8
 83 15.7 10.1 18.7

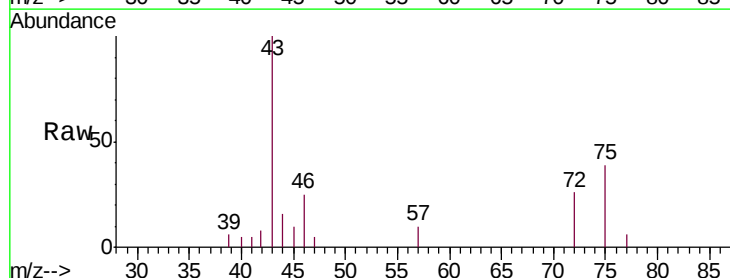


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

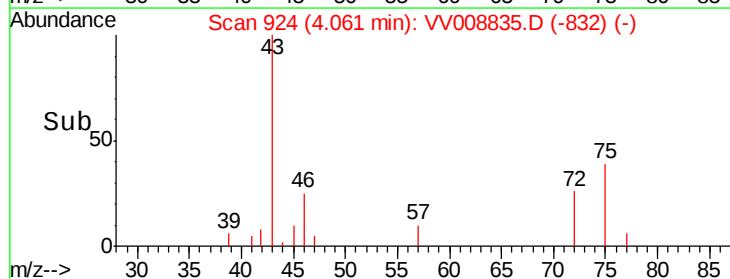
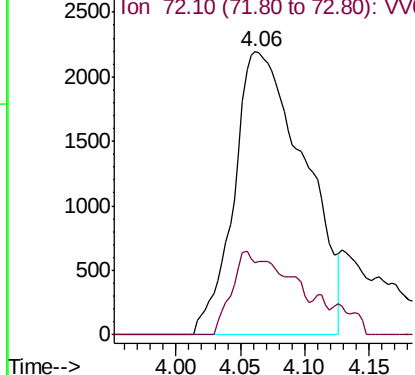


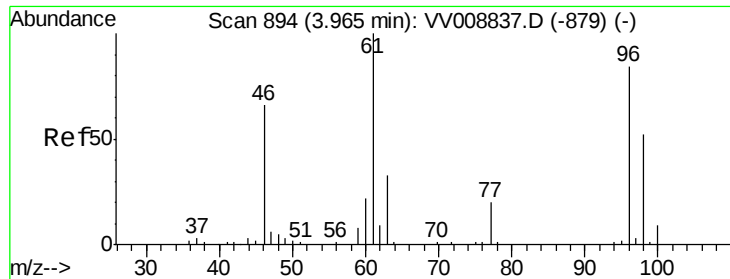
#21
 2-Butanone
 Concen: 3.670 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 43 Resp: 8336
 Ion Ratio Lower Upper
 43 100
 72 11.0 13.7 41.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



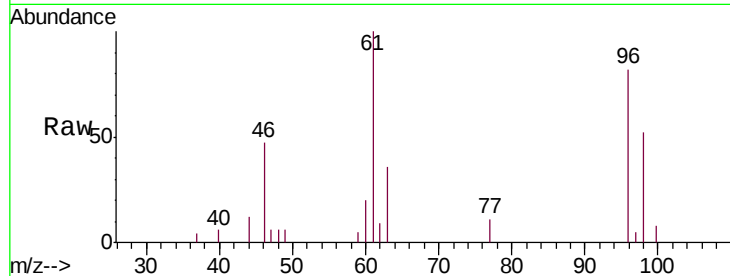


#22

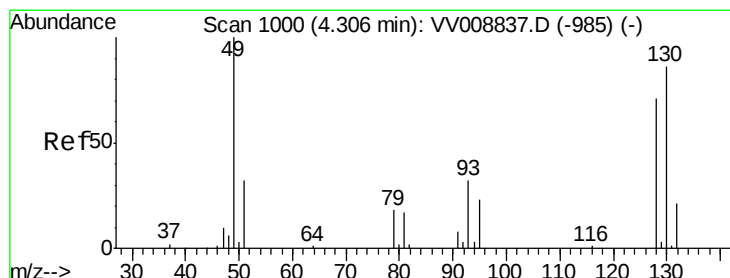
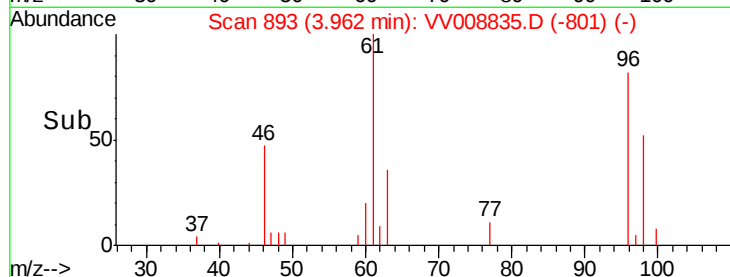
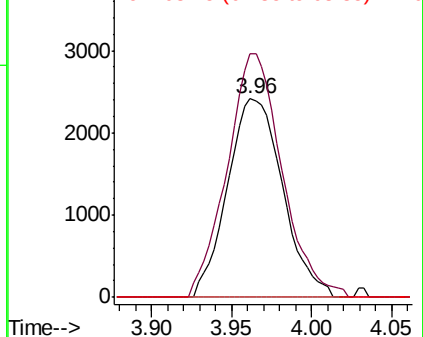
cis-1,2-Dichloroethene
 Concen: 0.506 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tgt Ion: 96 Resp: 5707
 Ion Ratio Lower Upper
 96 100
 61 122.6 83.2 154.6
 68 0.0 0.0 0.0



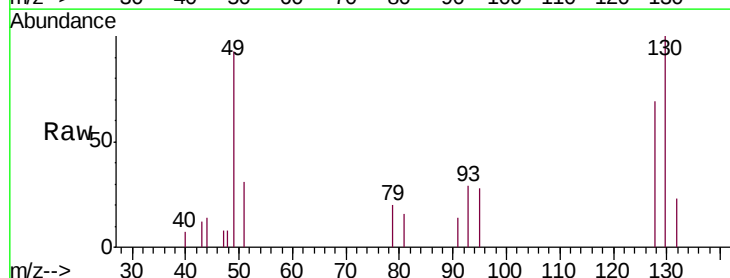
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



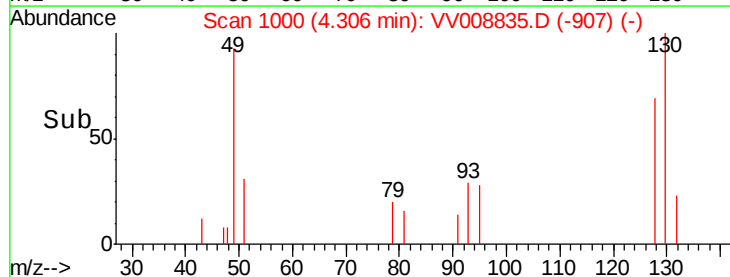
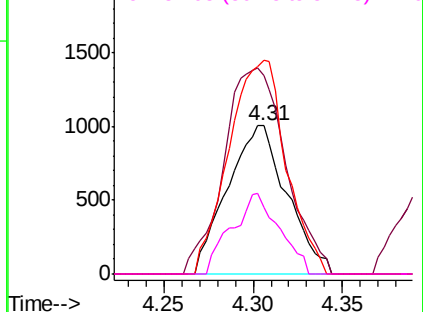
#23

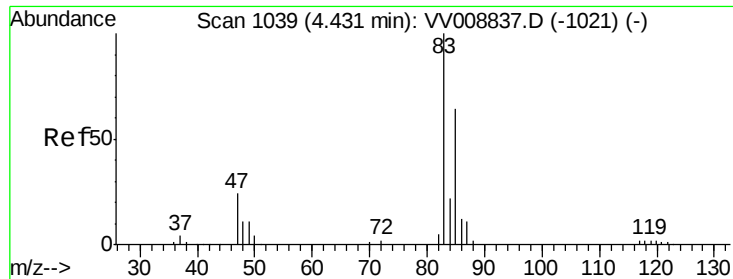
Bromochloromethane
 Concen: 0.505 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 128 Resp: 2341
 Ion Ratio Lower Upper
 128 100
 49 134.2 98.1 182.3
 130 144.0 84.2 156.4
 51 45.1 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

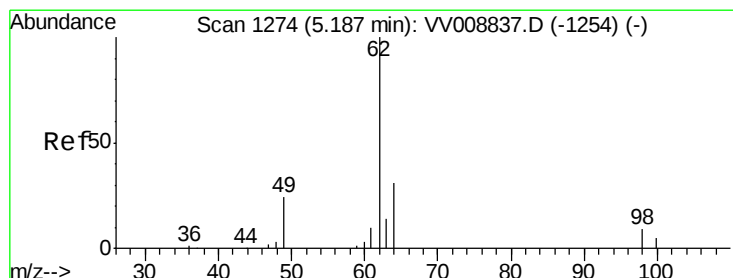
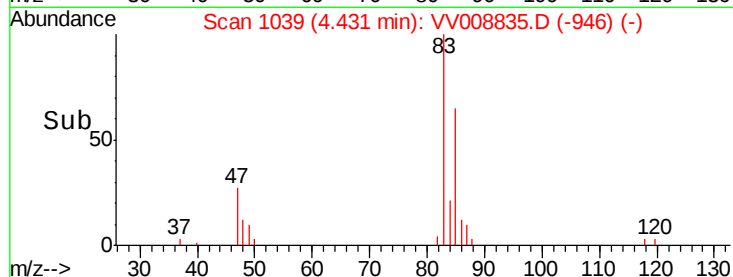
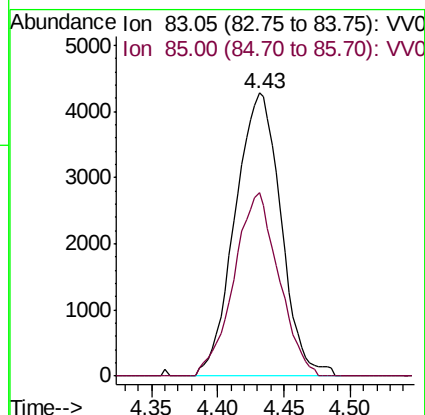
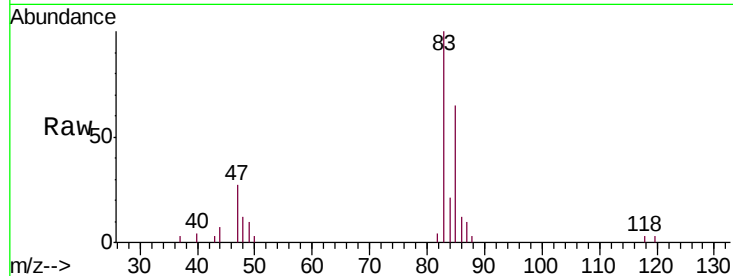




#25
Chloroform
Concen: 0.528 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

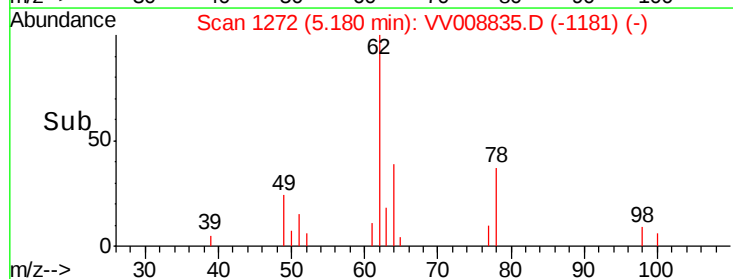
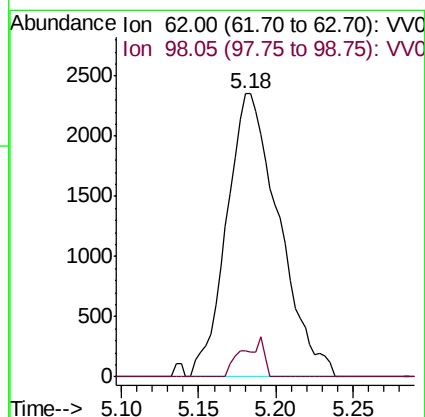
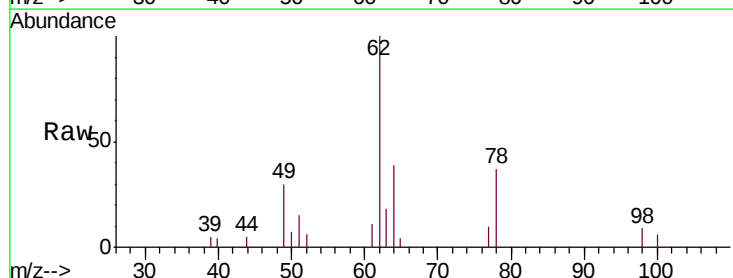
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

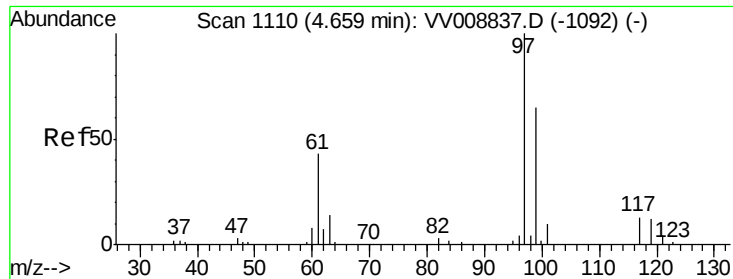
Tgt Ion: 83 Resp: 10282
Ion Ratio Lower Upper
83 100
85 64.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.492 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

Tgt Ion: 62 Resp: 5510
Ion Ratio Lower Upper
62 100
98 9.0 7.3 10.9

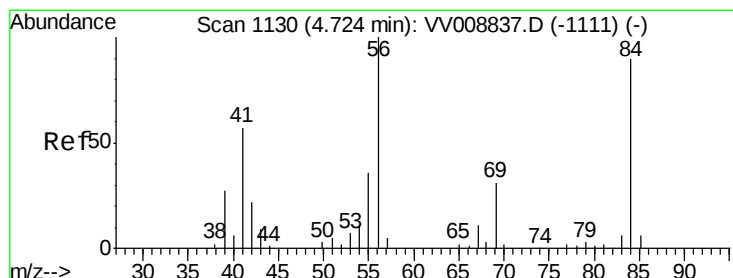
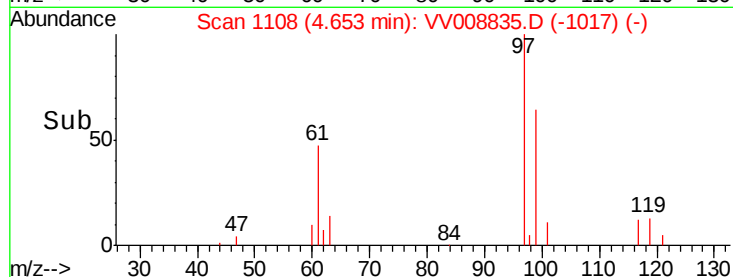
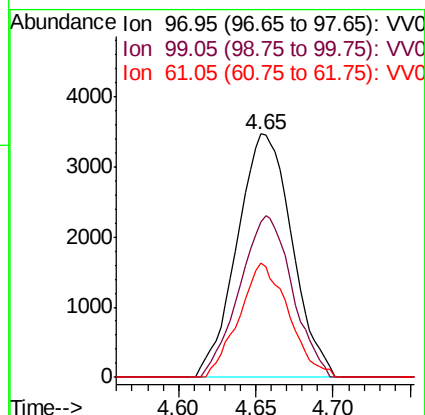
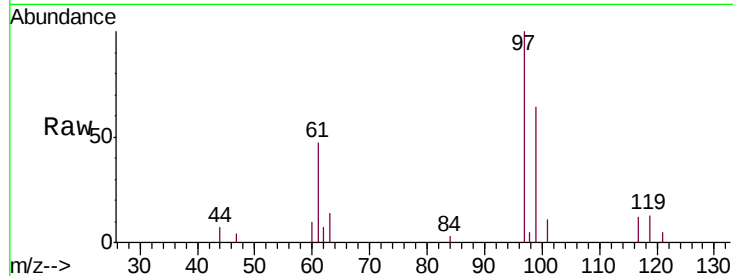




#29
 1,1,1-Trichloroethane
 Concen: 0.524 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

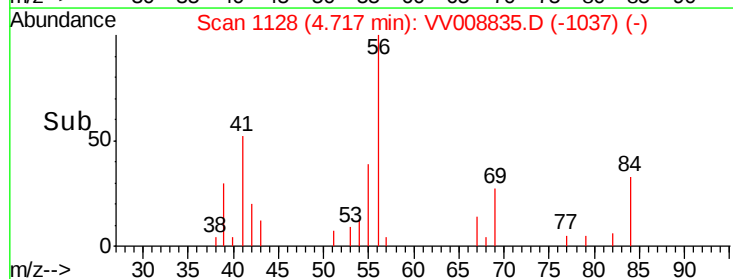
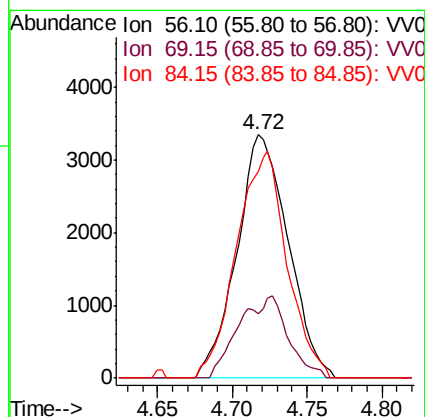
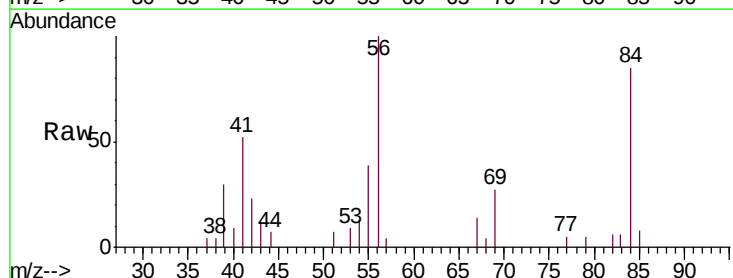
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

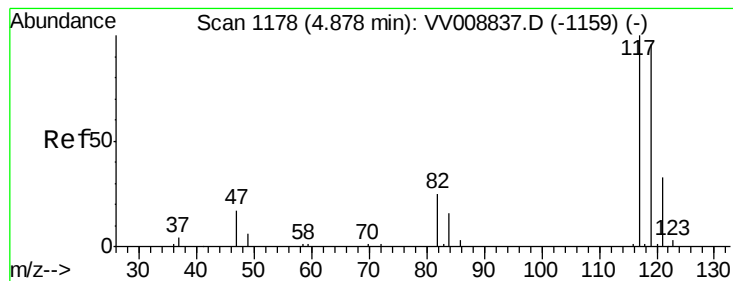
Tgt Ion: 97 Resp: 8556
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 42.4 34.0 51.0



#30
 Cyclohexane
 Concen: 0.473 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 56 Resp: 7996
 Ion Ratio Lower Upper
 56 100
 69 17.3 25.4 38.2#
 84 91.3 72.2 108.2





#31

Carbon tetrachloride

Concen: 0.555 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

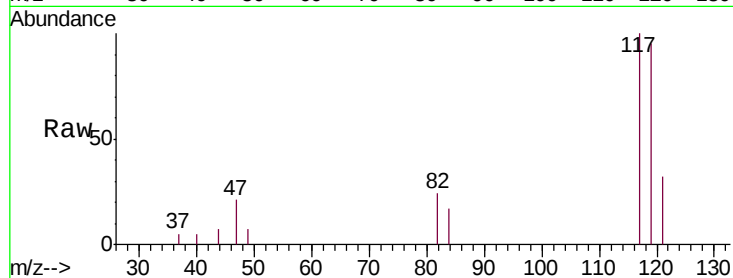
VSTD0.564

Tgt Ion:117 Resp: 7873

Ion Ratio Lower Upper

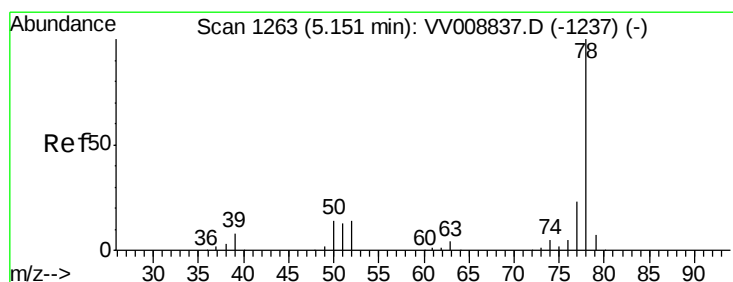
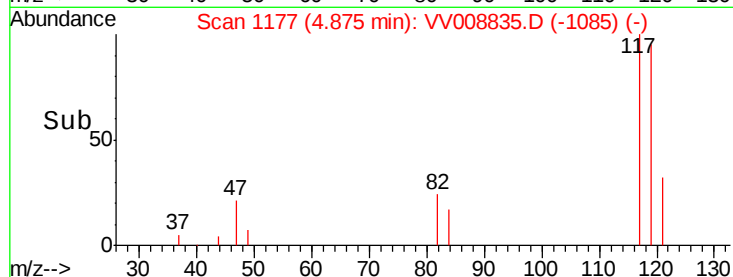
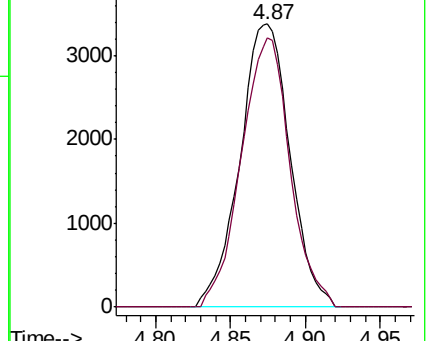
117 100

119 92.4 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: 0.505 ug/L

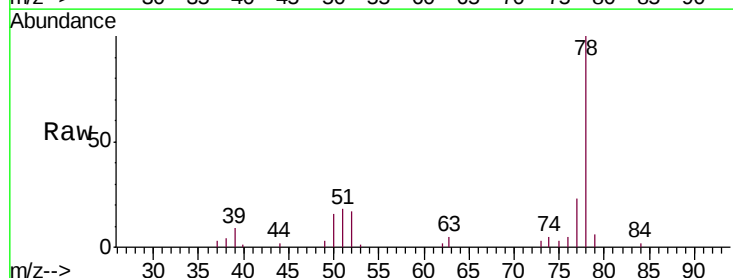
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

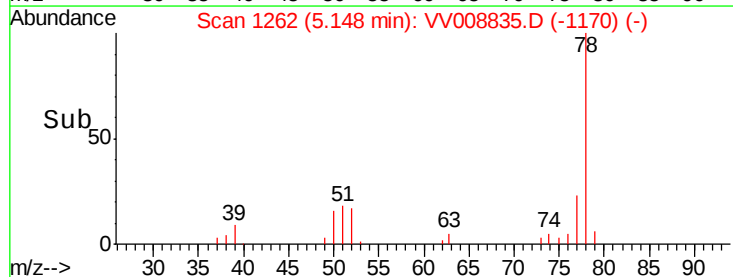
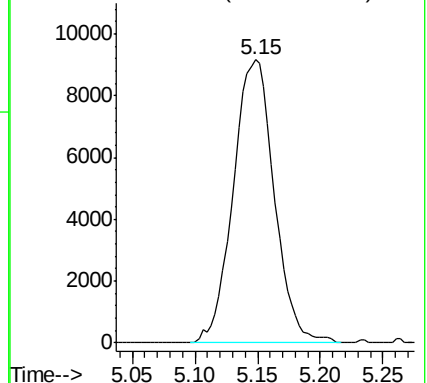
Lab File: VV008835.D

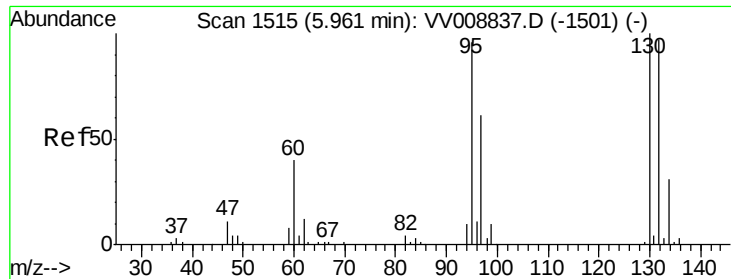
Acq: 05 Dec 2018 10:08

Tgt Ion: 78 Resp: 20827



Abundance Ion 78.10 (77.80 to 78.80): VV0

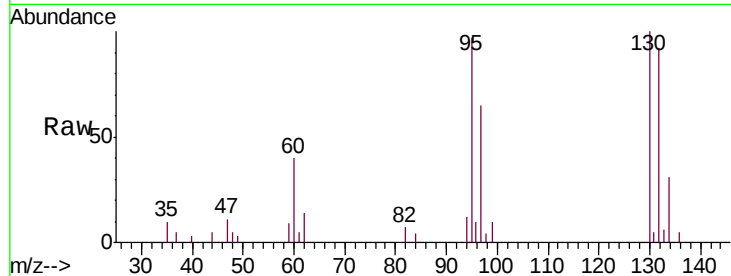




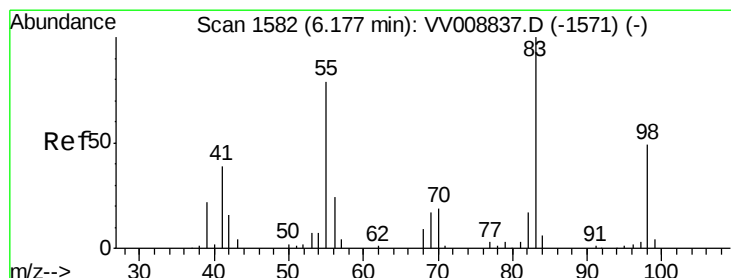
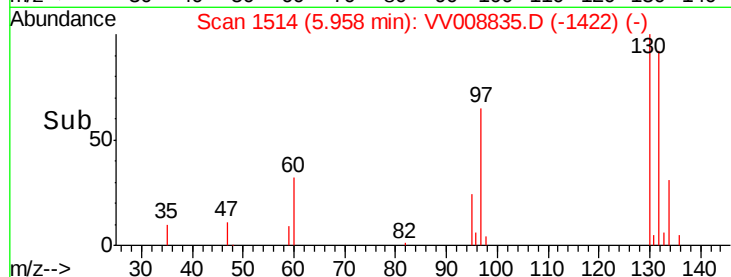
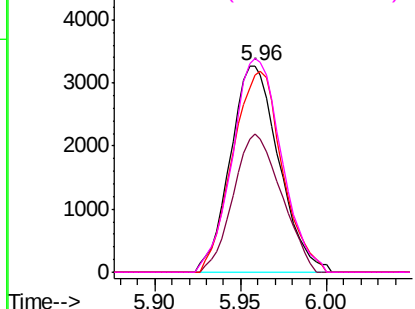
#34
 Trichloroethene
 Concen: 0.555 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tgt Ion: 95 Resp: 6433
 Ion Ratio Lower Upper
 95 100
 97 67.1 44.4 82.5
 132 95.4 70.7 131.3
 130 103.3 72.9 135.3

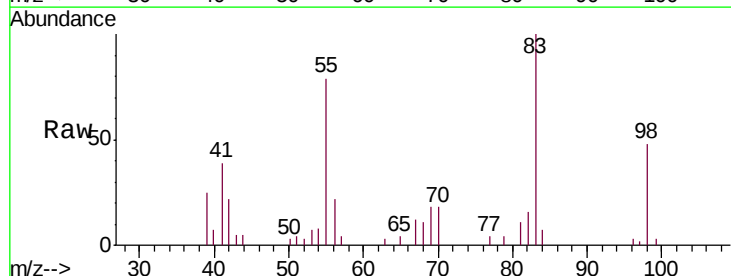


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

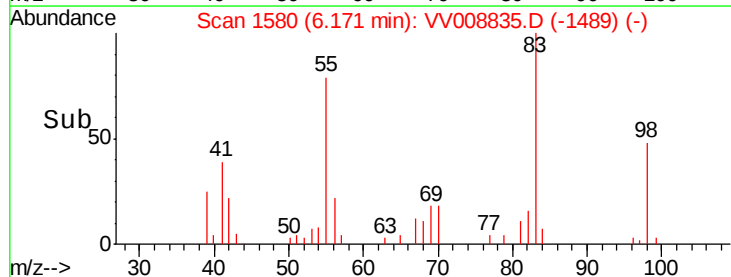
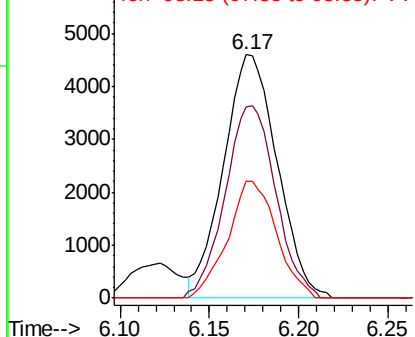


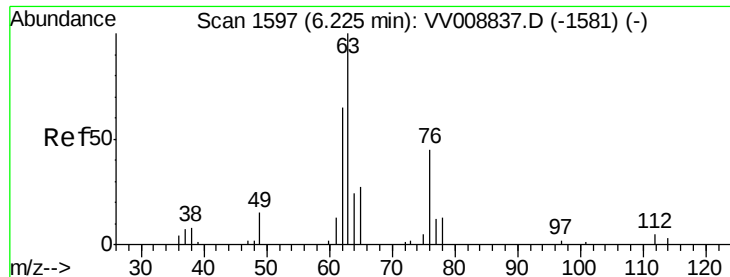
#35
 Methylcyclohexane
 Concen: 0.527 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 83 Resp: 9650
 Ion Ratio Lower Upper
 83 100
 55 74.5 60.0 90.0
 98 43.8 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

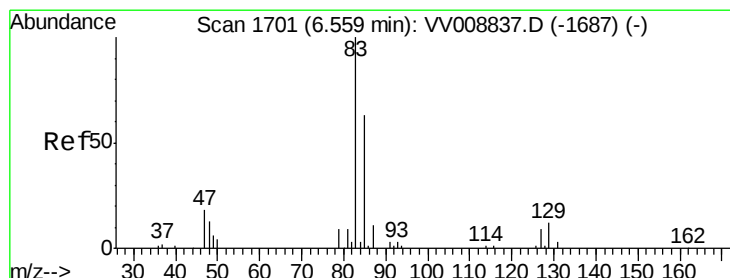
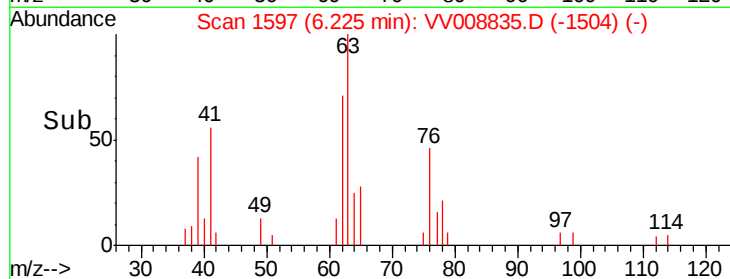
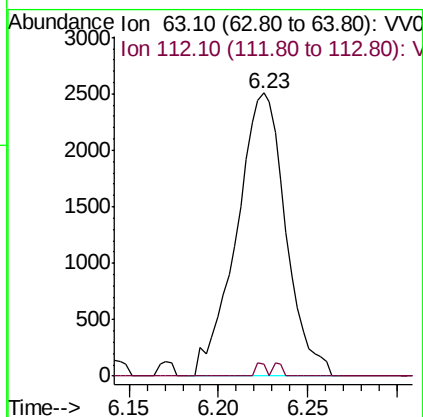
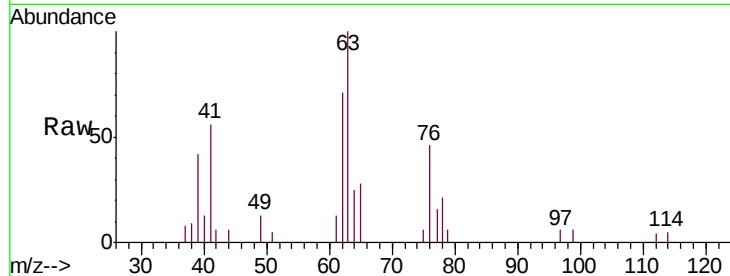




#37
 1,2-Dichloropropane
 Concen: 0.467 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

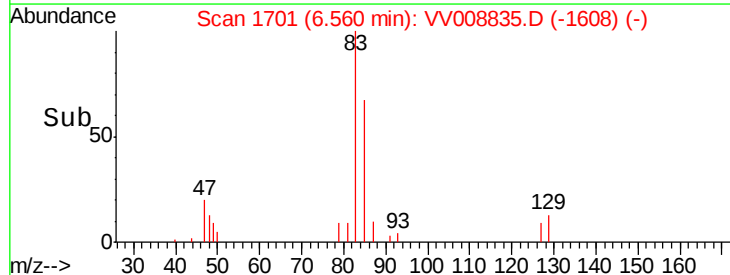
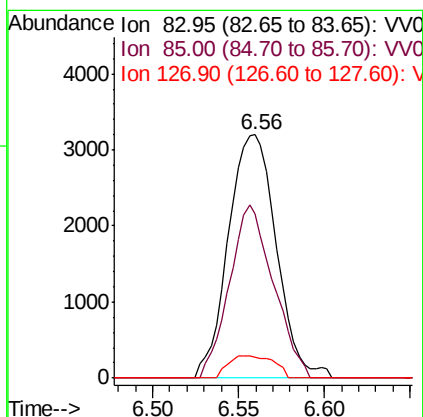
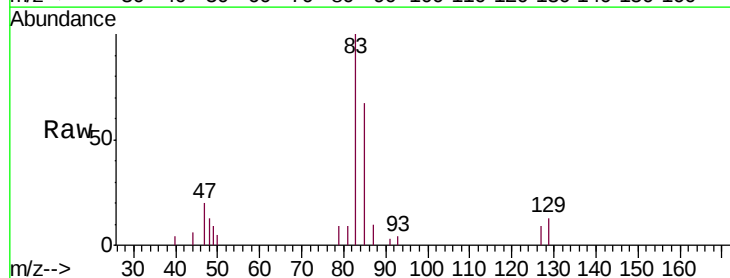
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

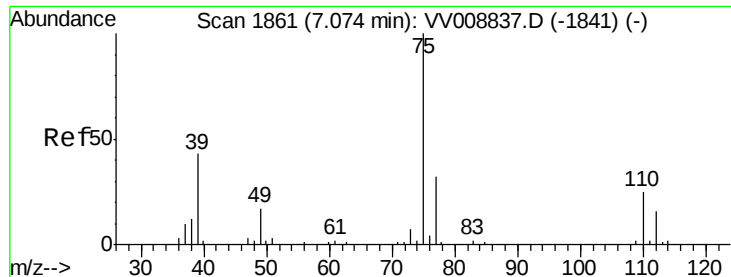
Tgt Ion: 63 Resp: 4807
 Ion Ratio Lower Upper
 63 100
 112 0.9 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.524 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 83 Resp: 6190
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.2 82.0
 127 8.6 7.5 11.3

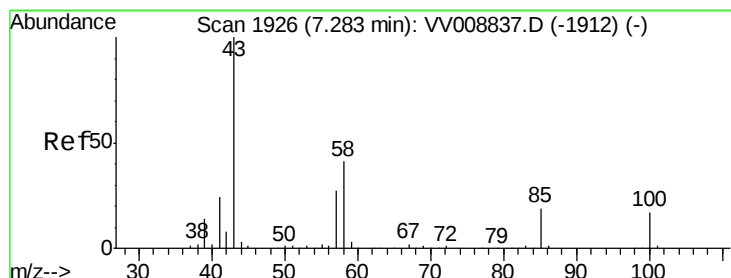
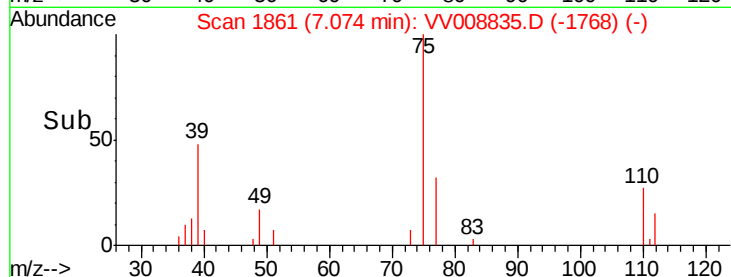
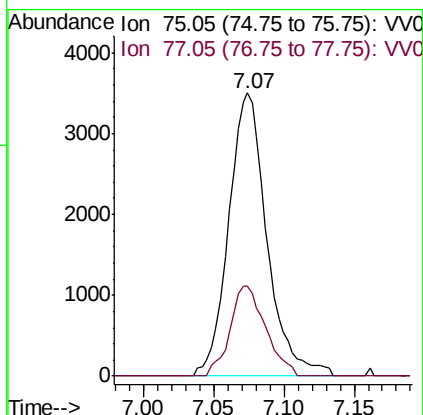
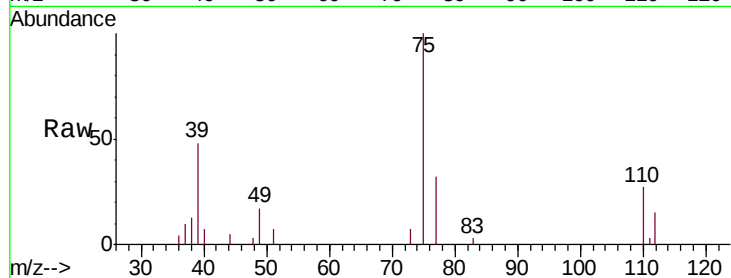




#39
 cis-1,3-Dichloropropene
 Concen: 0.489 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

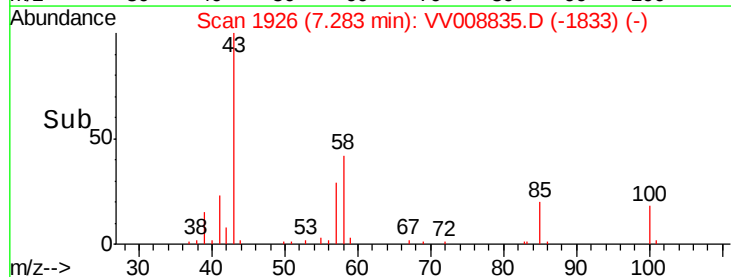
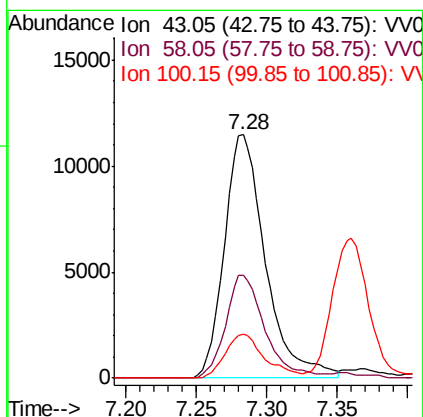
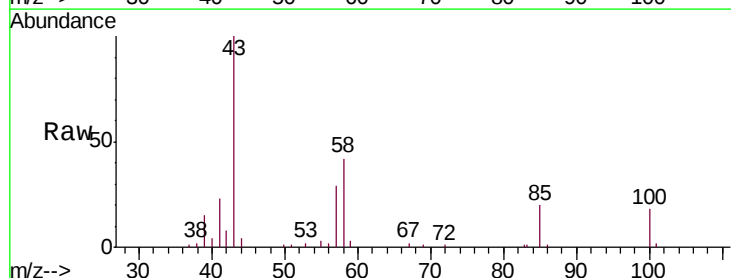
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

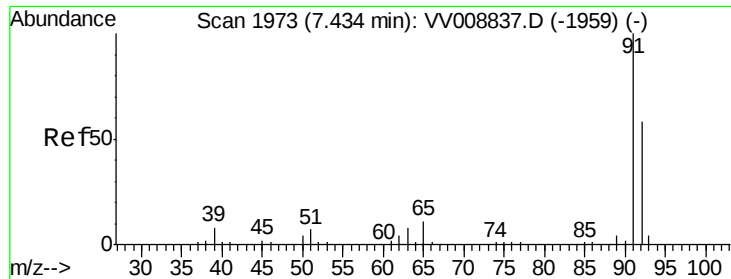
Tgt Ion: 75 Resp: 6643
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 4.435 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 43 Resp: 23366
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.6 48.8
 100 17.4 13.4 20.0





#42

Toluene

Concen: 0.504 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

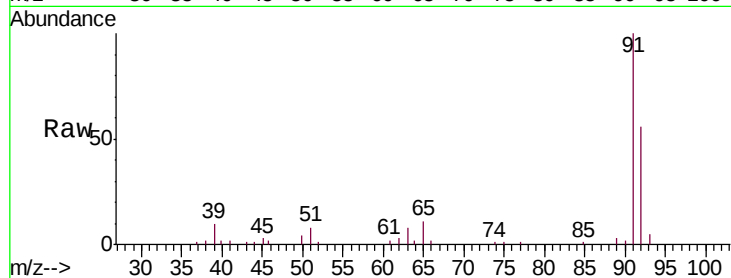
VSTD0.564

Tgt Ion: 91 Resp: 21857

Ion Ratio Lower Upper

91 100

92 55.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV008835.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008835.D (-1959) (-)

7.43

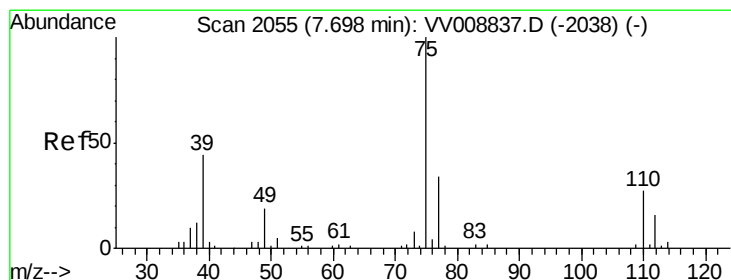
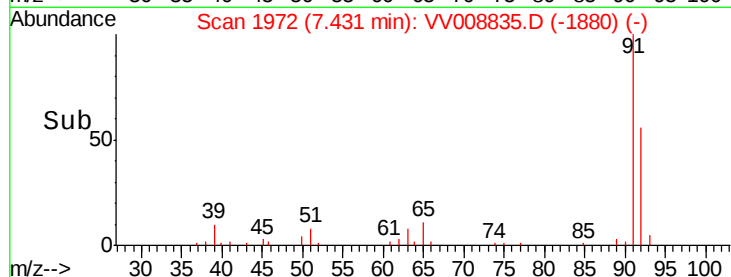
15000

10000

5000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.437 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008835.D

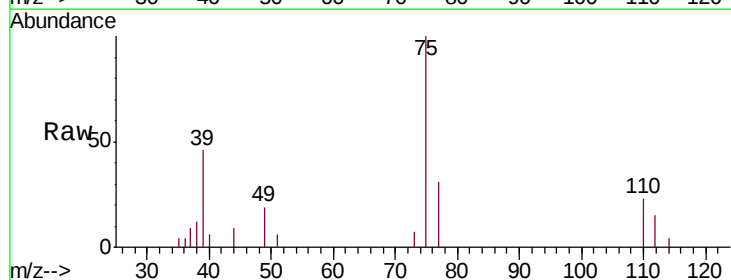
Acq: 05 Dec 2018 10:08

Tgt Ion: 75 Resp: 4700

Ion Ratio Lower Upper

75 100

77 30.8 23.6 43.8



Abundance Ion 75.05 (74.75 to 75.75): VV008835.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008835.D (-2038) (-)

7.70

3000

2500

2000

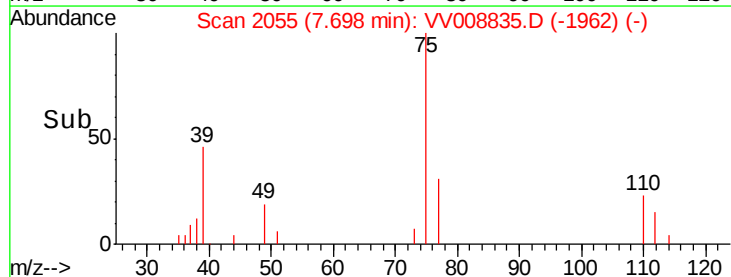
1500

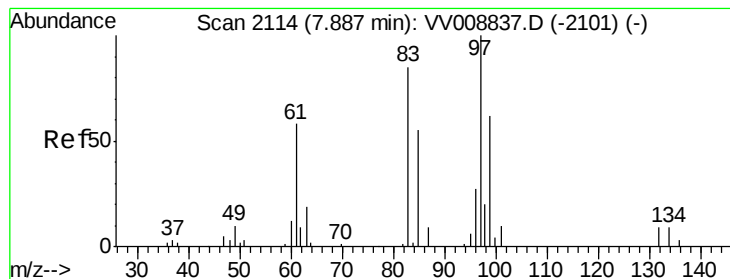
1000

500

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.495 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

Tgt Ion: 97 Resp: 3384

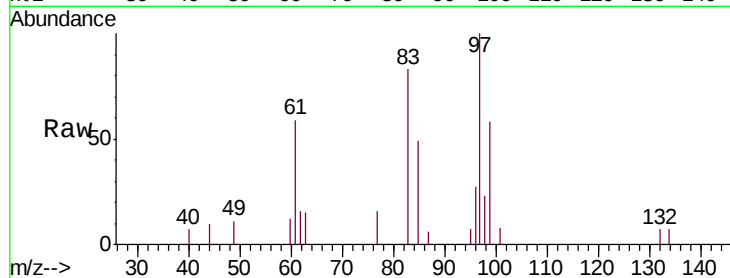
Ion Ratio Lower Upper

97 100

99 57.9 43.3 80.3

83 82.7 59.4 110.2

85 49.3 38.5 71.5

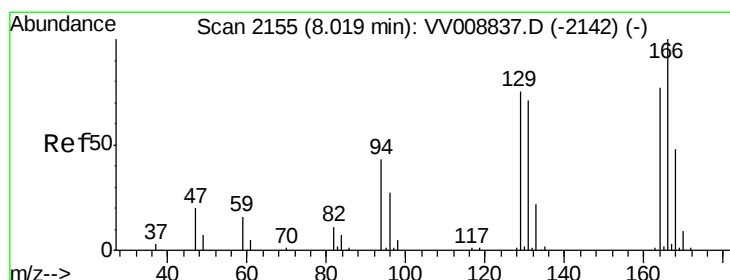
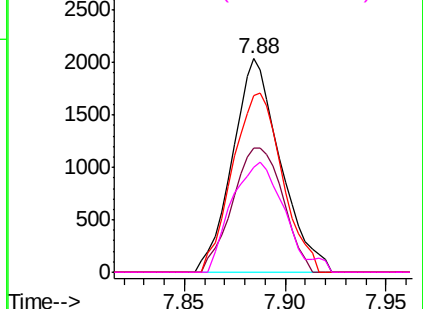
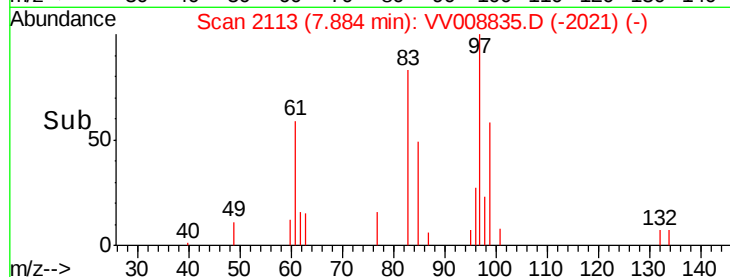


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.553 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Tgt Ion: 164 Resp: 4989

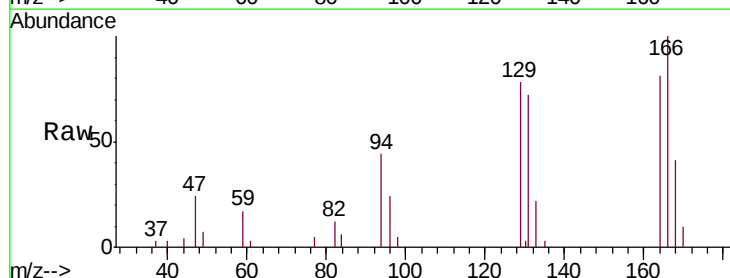
Ion Ratio Lower Upper

164 100

129 96.1 68.8 127.8

131 88.7 64.8 120.4

166 123.3 91.5 169.9

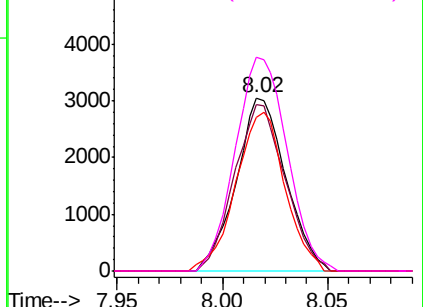
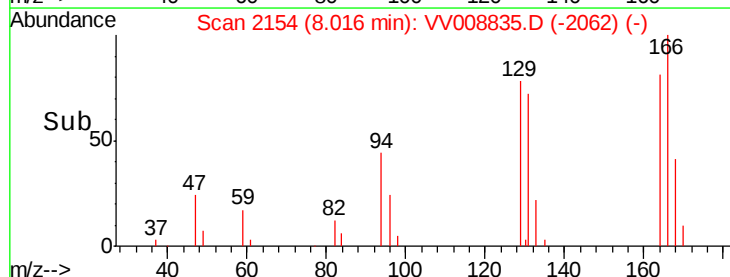


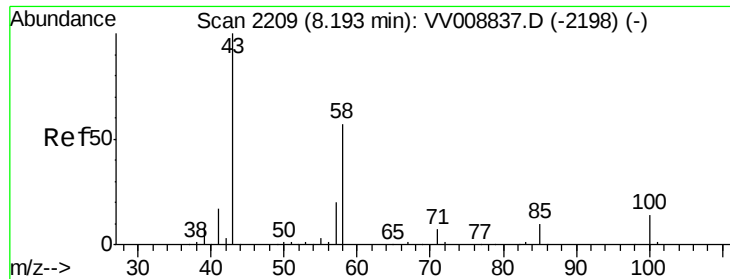
Abundance Ion 163.90 (163.60 to 164.60): V

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

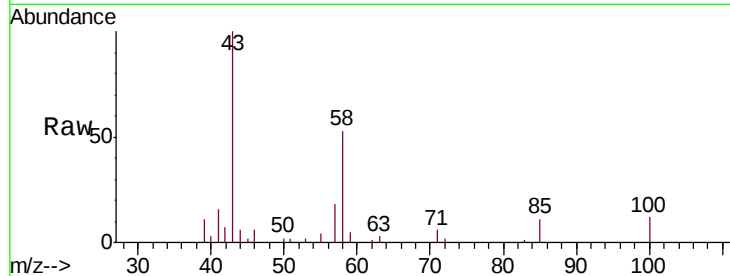




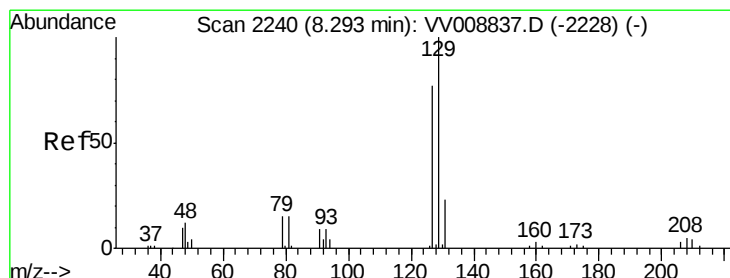
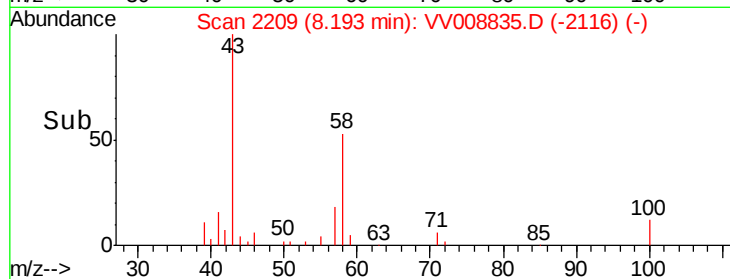
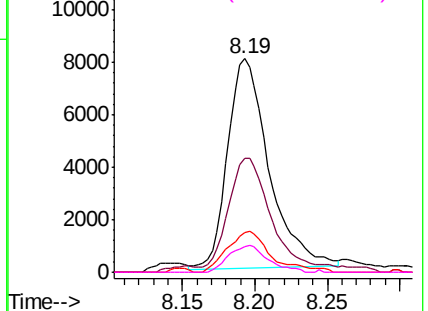
#48
2-Hexanone
Concen: 4.278 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

Tgt Ion: 43 Resp: 15798
Ion Ratio Lower Upper
43 100
58 53.8 44.4 66.6
57 20.6 15.8 23.8
100 12.1 10.9 16.3

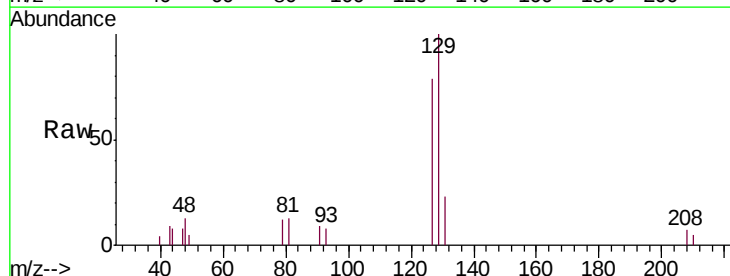


Abundance Ion 43.05 (42.75 to 43.75): VV008835.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV008835.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV008835.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV008835.D (-2116) (-)

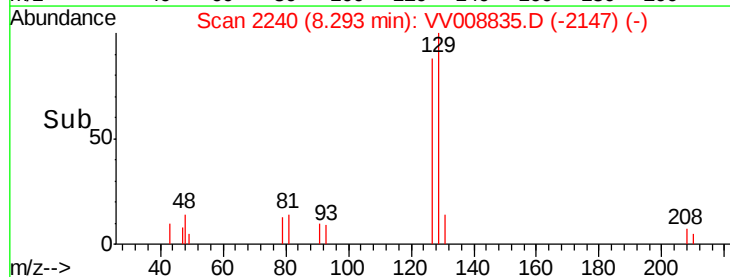
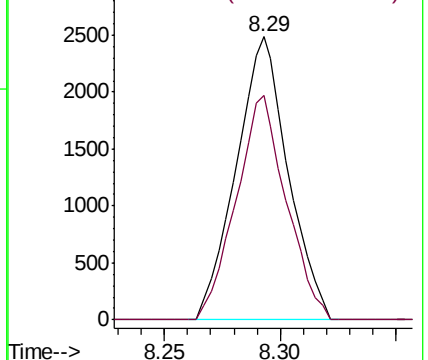


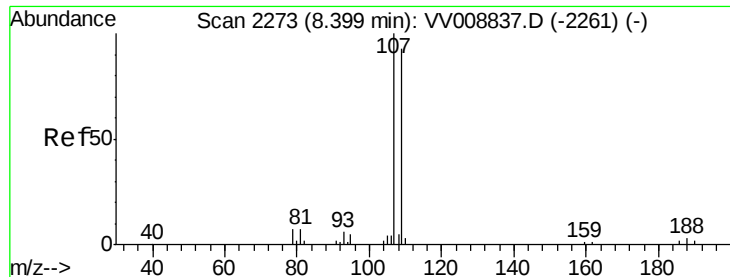
#49
Dibromochloromethane
Concen: 0.510 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

Tgt Ion: 129 Resp: 3859
Ion Ratio Lower Upper
129 100
127 79.3 54.0 100.4



Abundance Ion 128.95 (128.65 to 129.65): VV008835.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV008835.D (-2147) (-)

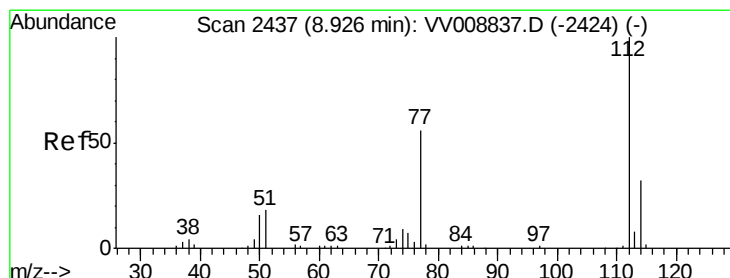
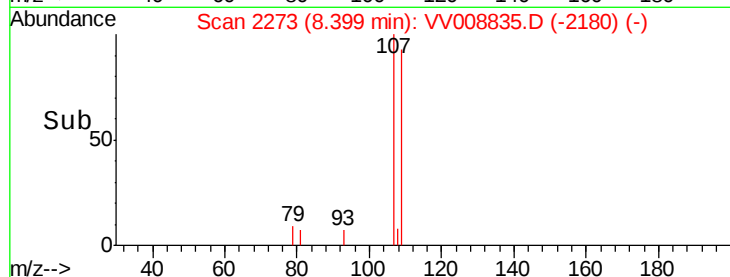
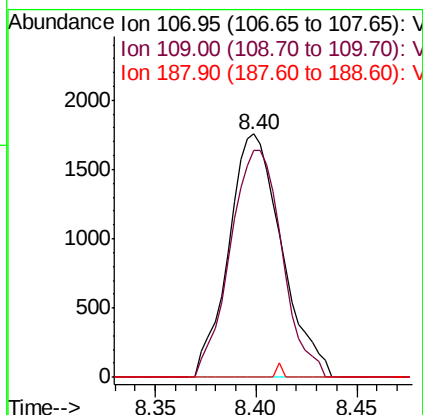
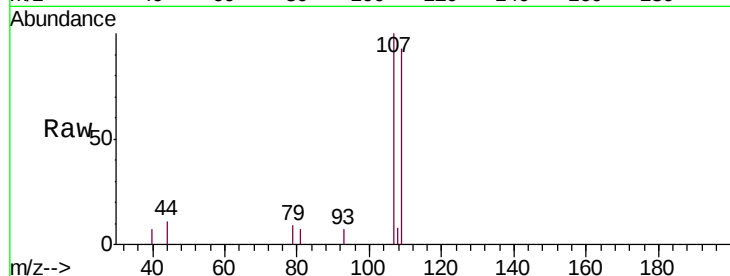




#50
1,2-Dibromoethane
Concen: 0.498 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

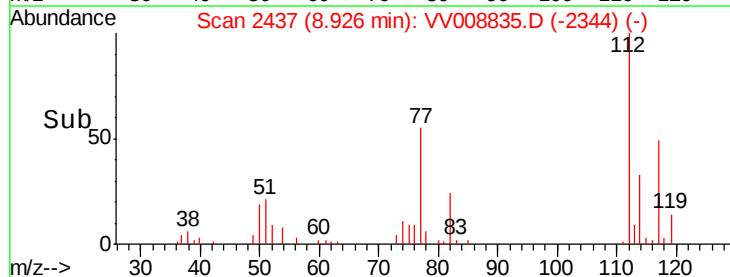
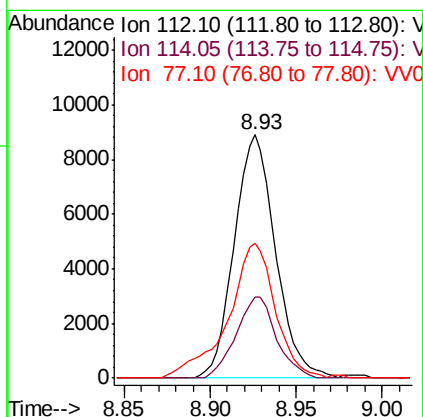
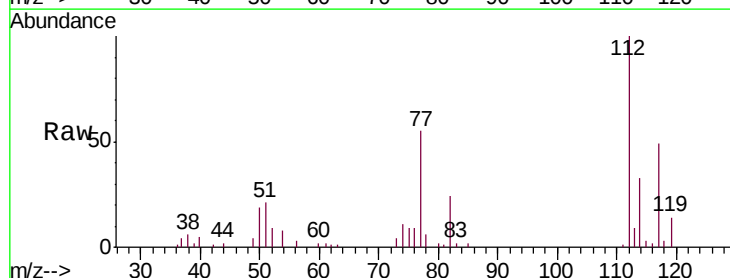
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.564

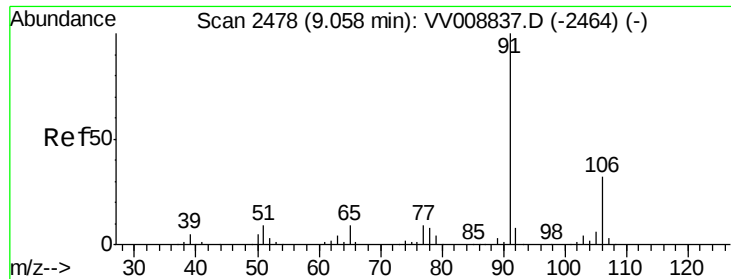
Tgt Ion:107 Resp: 3228
Ion Ratio Lower Upper
107 100
109 93.5 65.3 121.3
188 0.0 2.5 3.7#



#51
Chlorobenzene
Concen: 0.518 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008835.D
Acq: 05 Dec 2018 10:08

Tgt Ion:112 Resp: 14824
Ion Ratio Lower Upper
112 100
114 33.0 22.3 41.5
77 55.4 45.2 67.8





#52

Ethylbenzene

Concen: 0.506 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

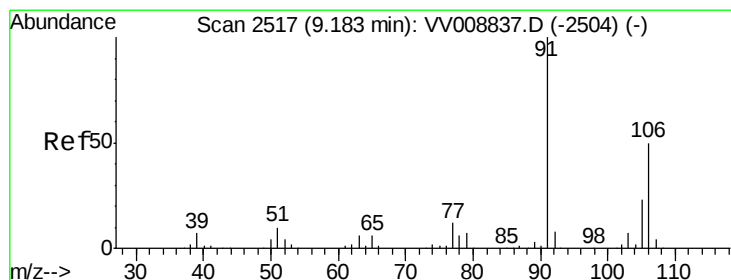
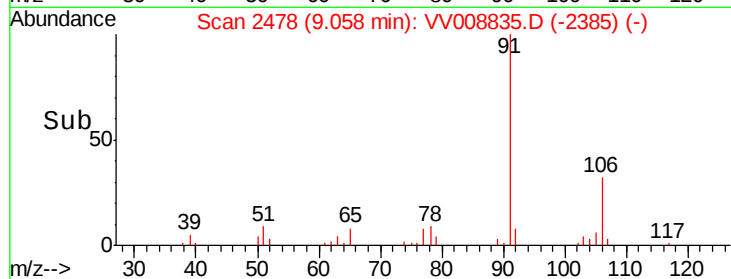
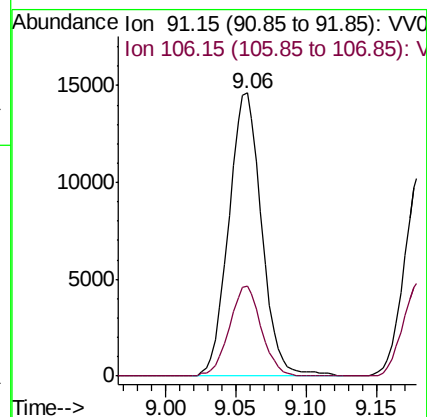
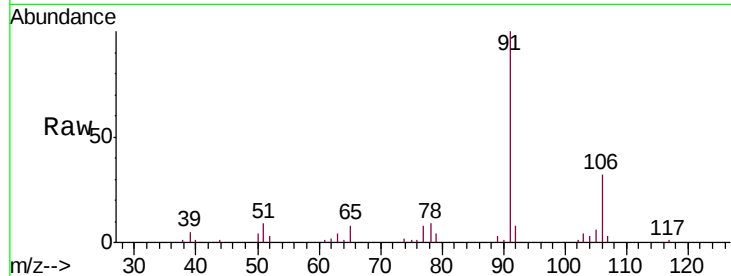
VSTD0.564

Tgt Ion: 91 Resp: 23812

Ion Ratio Lower Upper

91 100

106 31.9 22.1 41.1



#53

m,p-xylene

Concen: 0.503 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008835.D

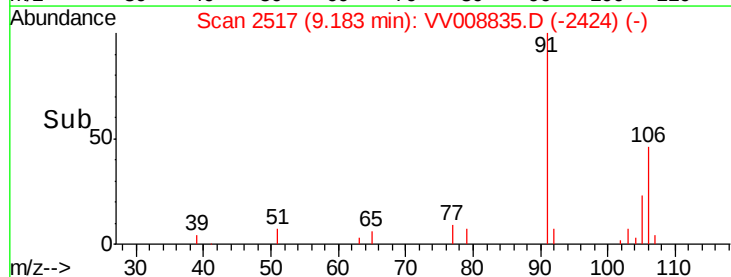
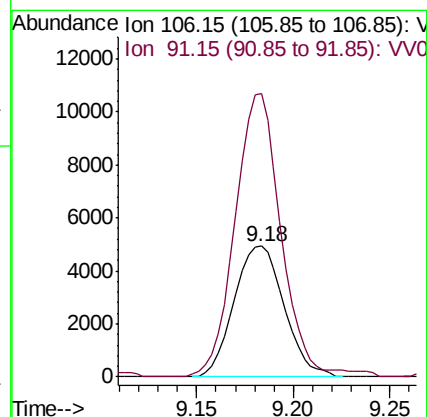
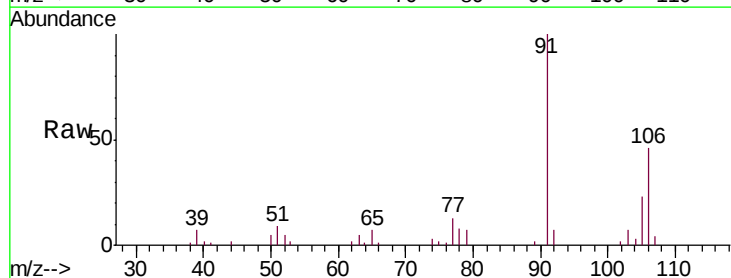
Acq: 05 Dec 2018 10:08

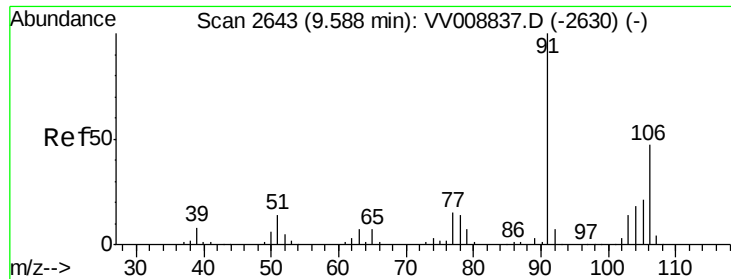
Tgt Ion: 106 Resp: 8893

Ion Ratio Lower Upper

106 100

91 216.1 141.9 263.5





#54

o-xylene

Concen: 0.500 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

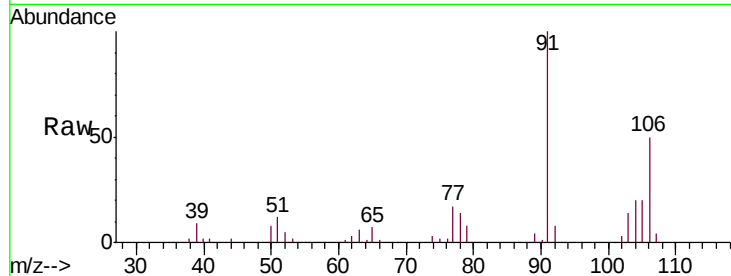
VSTD0.564

Tgt Ion:106 Resp: 8493

Ion Ratio Lower Upper

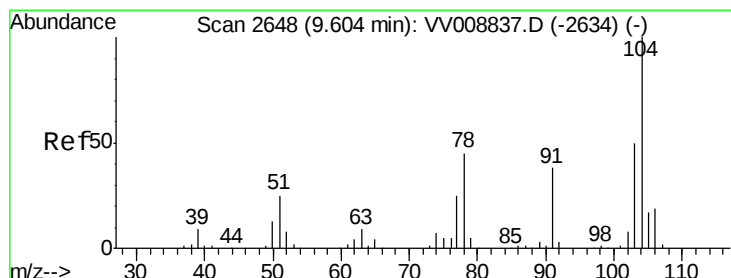
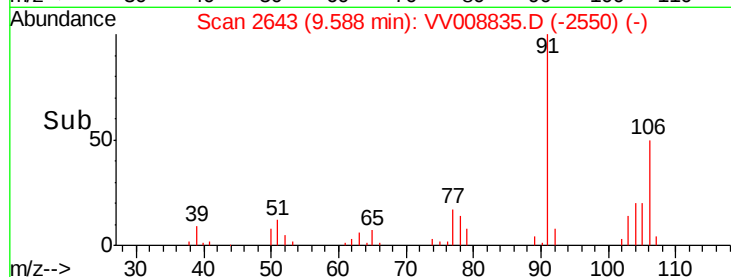
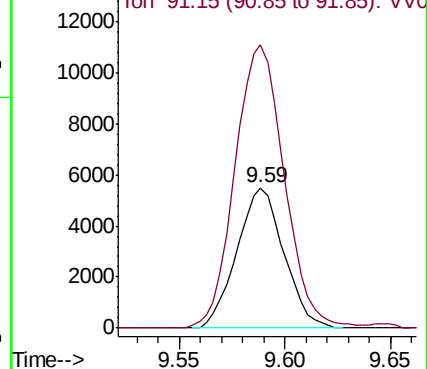
106 100

91 201.9 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.471 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008835.D

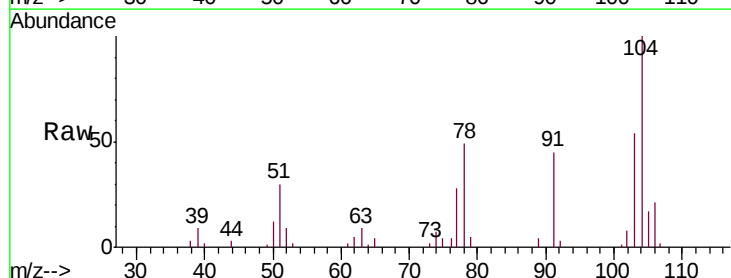
Acq: 05 Dec 2018 10:08

Tgt Ion:104 Resp: 13347

Ion Ratio Lower Upper

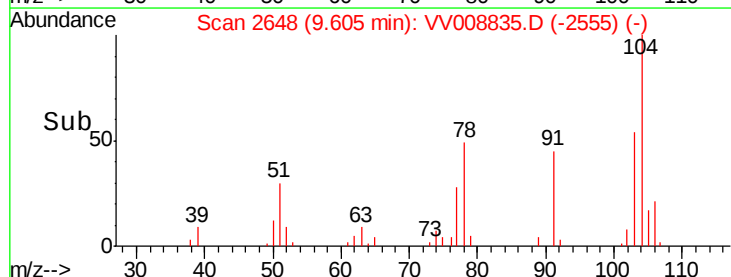
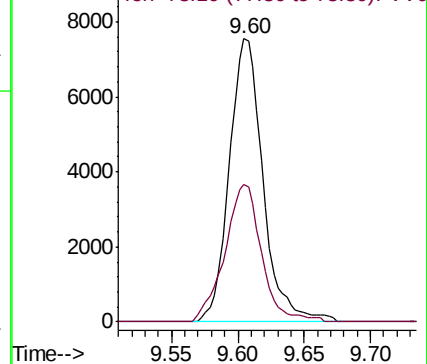
104 100

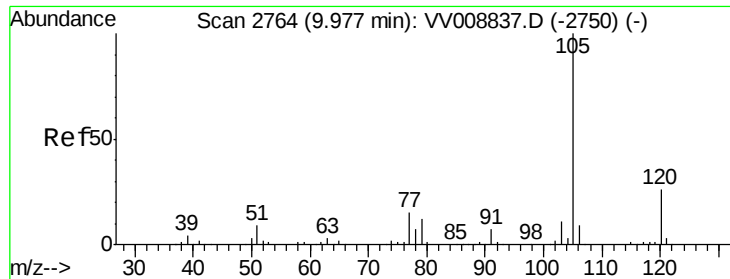
78 48.7 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.485 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

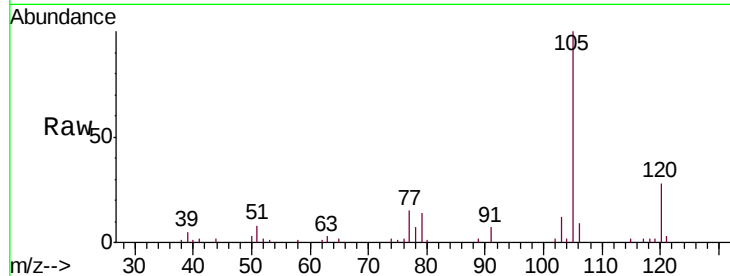
Tgt Ion:105 Resp: 22497

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

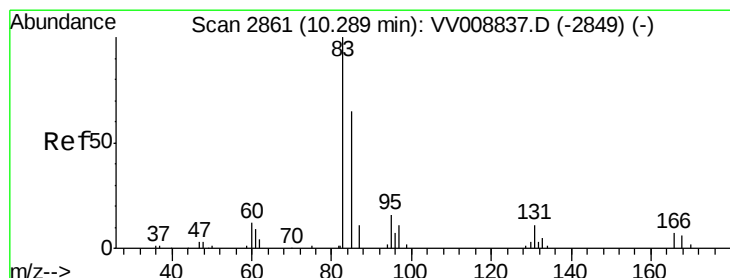
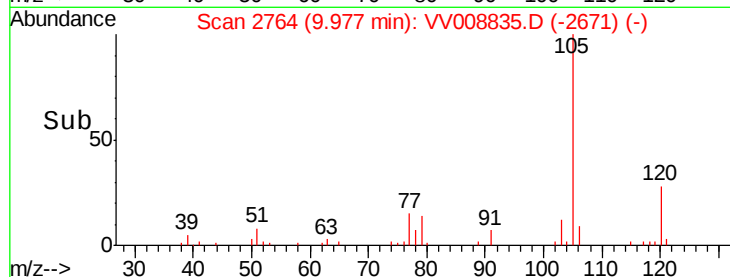
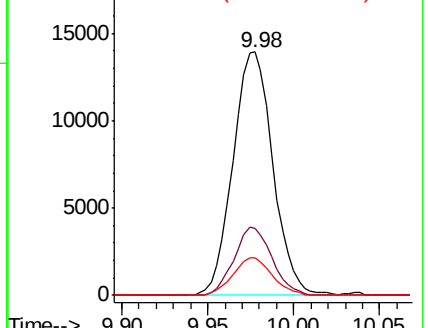
77 15.0 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): VV008835.D (-2750) (-)

Ion 120.10 (119.80 to 120.80): VV008835.D (-2750) (-)

Ion 77.10 (76.80 to 77.80): VV008835.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.419 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

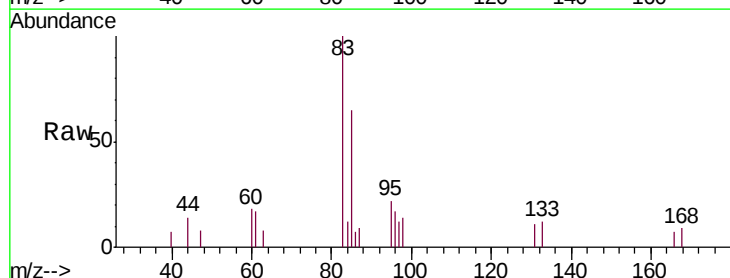
Tgt Ion: 83 Resp: 3030

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.0

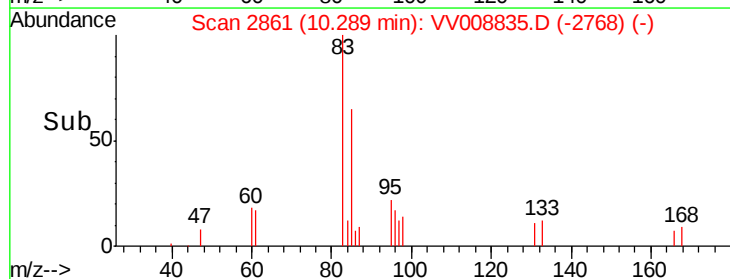
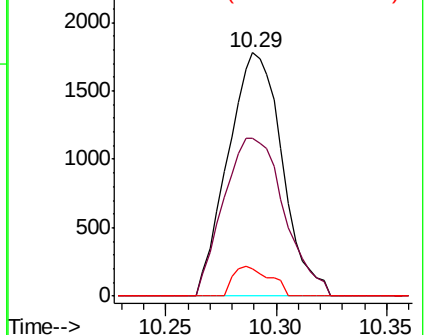
131 11.1 9.6 14.4

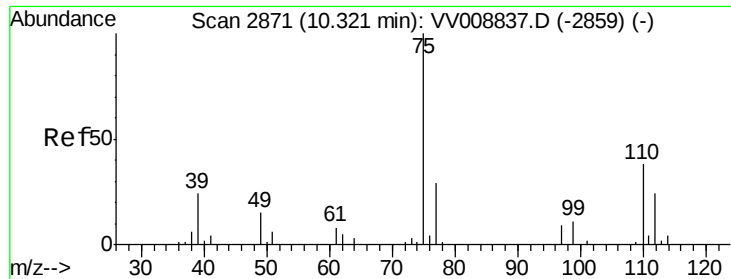


Abundance Ion 82.95 (82.65 to 83.65): VV008835.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008835.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV008835.D (-2768) (-)

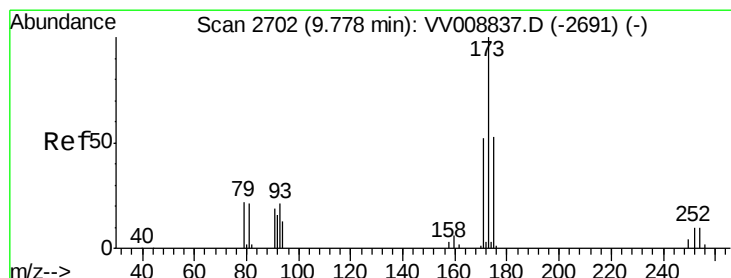
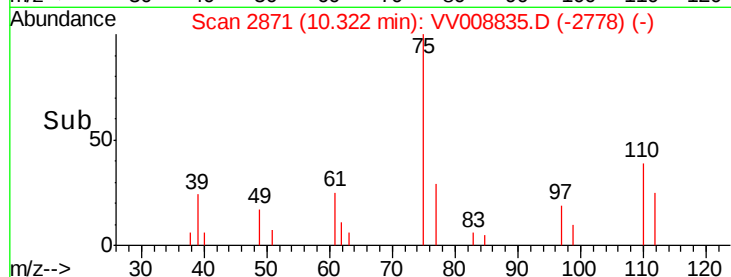
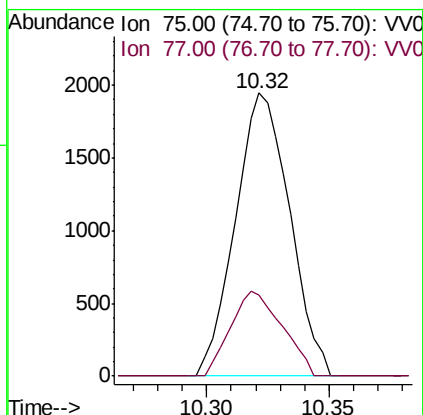
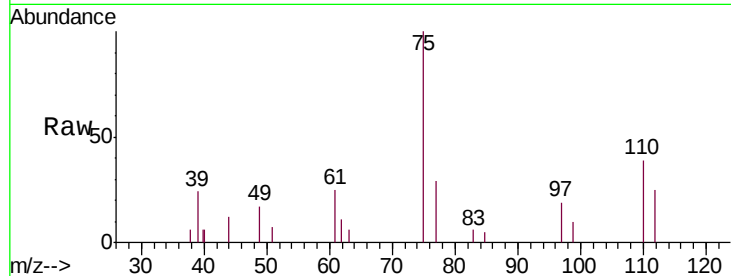




#59
 1,2,3-Trichloropropane
 Concen: 0.507 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

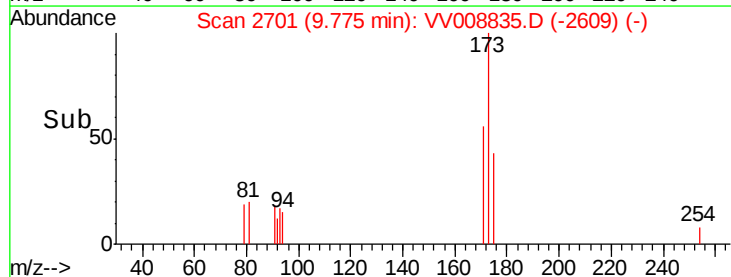
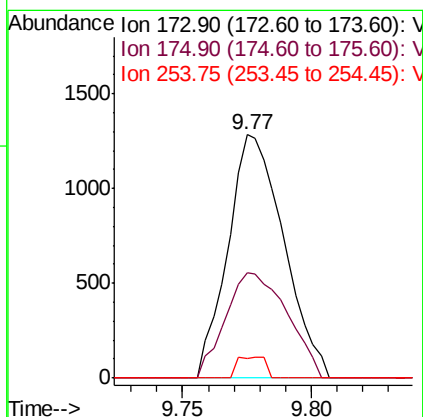
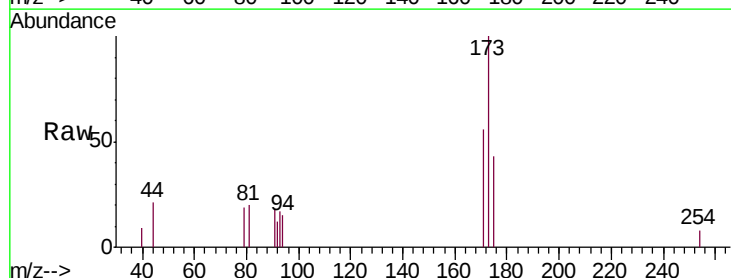
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

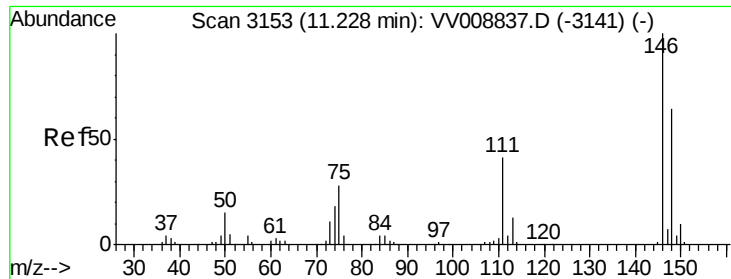
Tgt Ion: 75 Resp: 3003
 Ion Ratio Lower Upper
 75 100
 77 28.7 24.8 37.2



#61
 Bromoform
 Concen: 0.540 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion: 173 Resp: 1933
 Ion Ratio Lower Upper
 173 100
 175 47.7 40.2 60.4
 254 4.3 7.0 10.6#





#62

1,3-Dichlorobenzene

Concen: 0.533 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

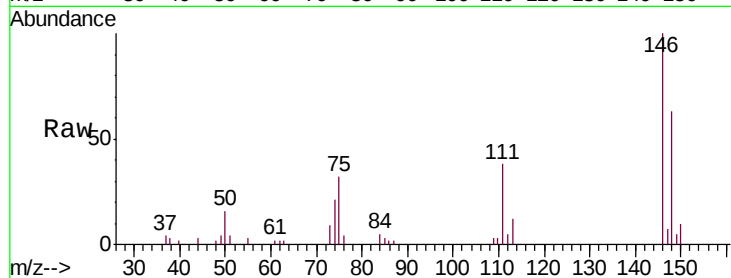
Tgt Ion:146 Resp: 11304

Ion Ratio Lower Upper

146 100

111 38.2 28.5 52.9

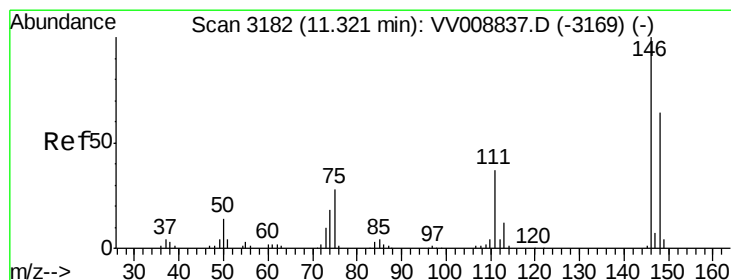
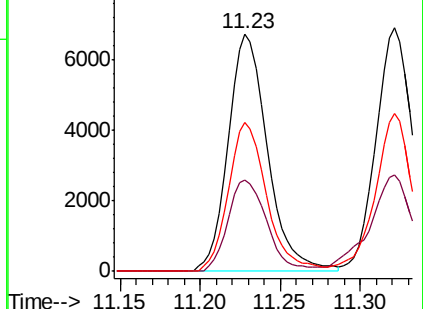
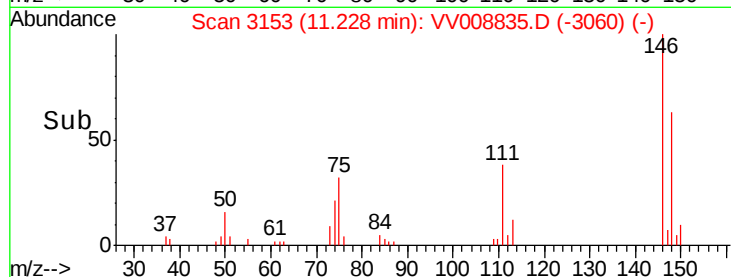
148 62.8 45.0 83.6



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: 0.543 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

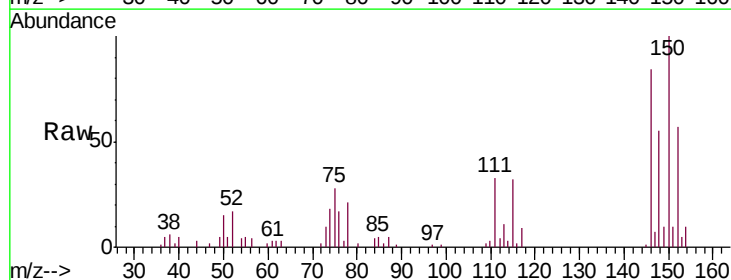
Tgt Ion:146 Resp: 11476

Ion Ratio Lower Upper

146 100

111 39.6 26.2 48.8

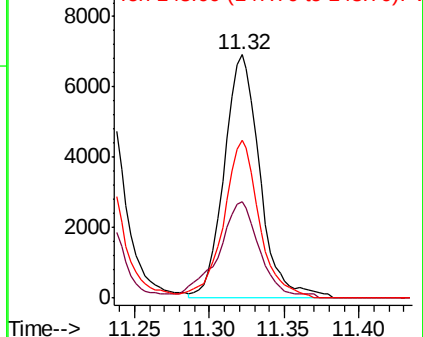
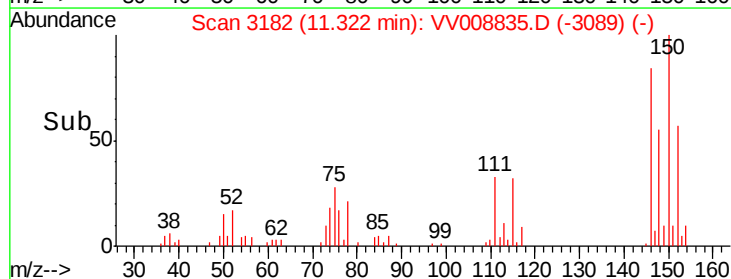
148 65.1 44.7 82.9

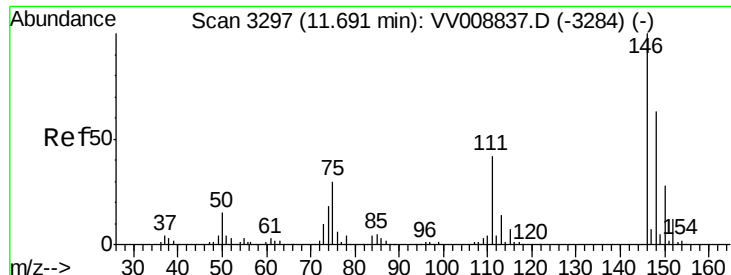


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.508 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

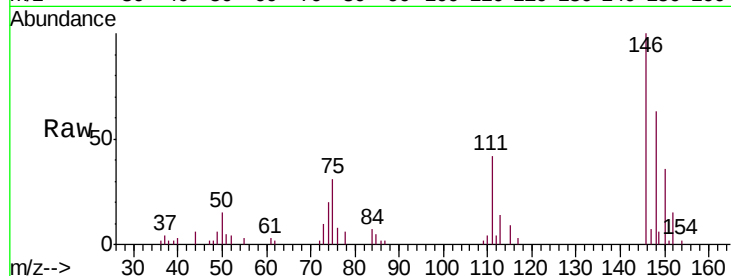
Tgt Ion:146 Resp: 10198

Ion Ratio Lower Upper

146 100

111 42.2 33.8 50.6

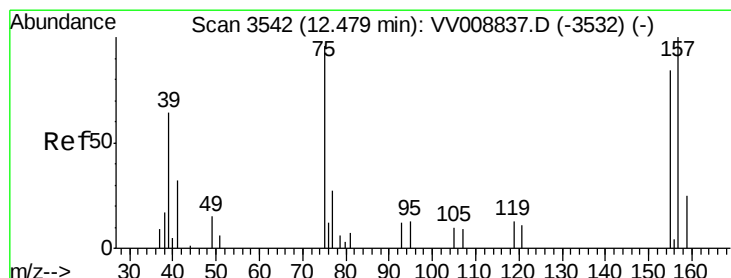
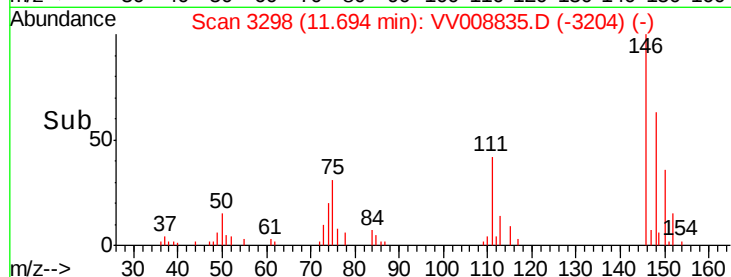
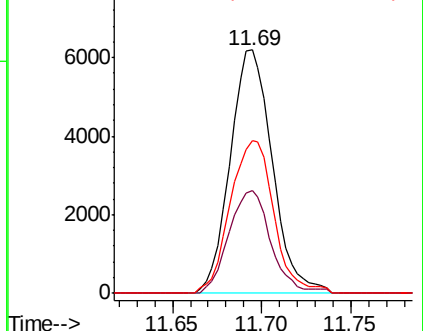
148 62.7 50.0 75.0



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: 0.491 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

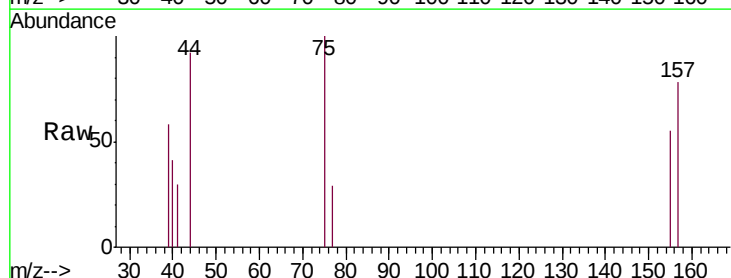
Tgt Ion: 75 Resp: 486

Ion Ratio Lower Upper

75 100

155 54.6 70.2 105.4#

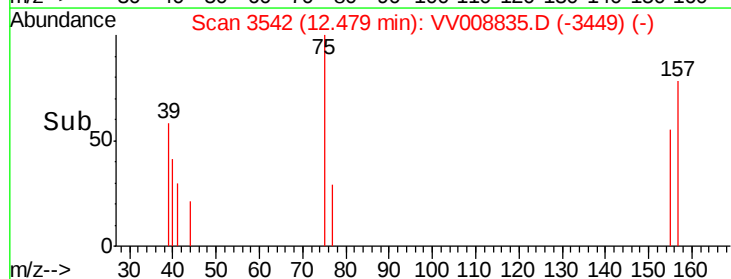
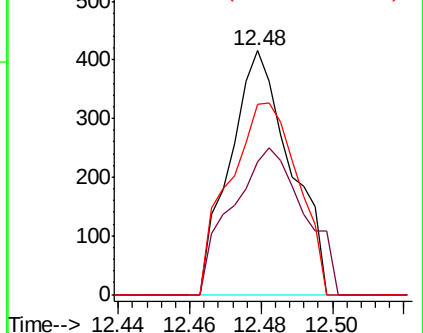
157 77.9 83.4 125.2#

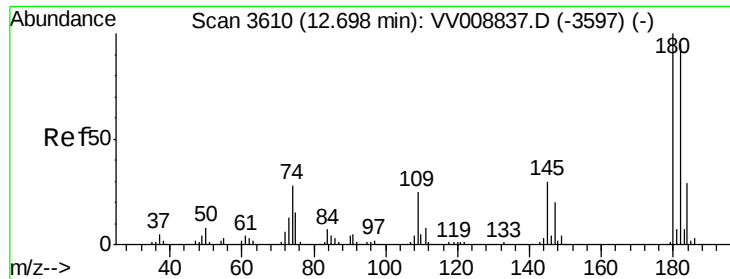


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

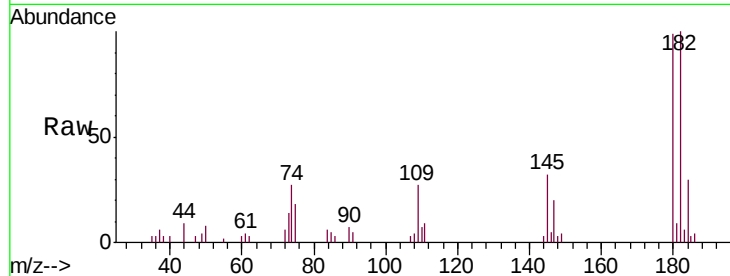




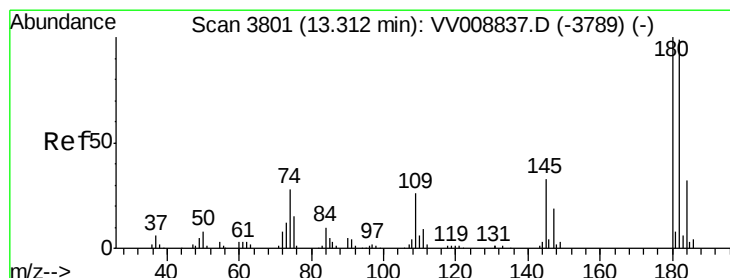
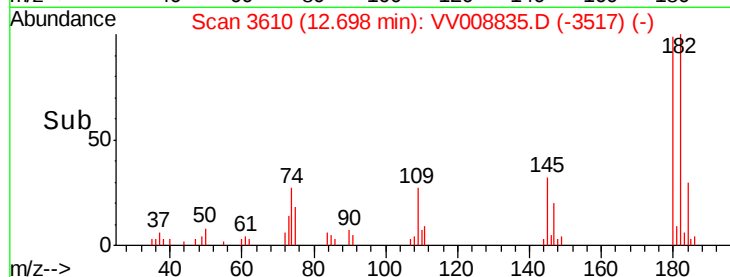
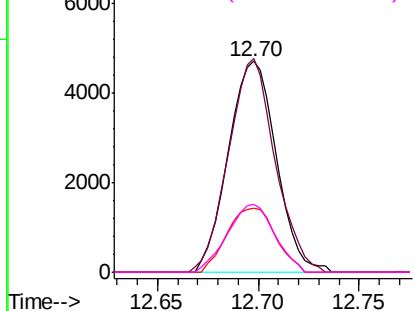
#67
 1,3,5-Trichlorobenzene
 Concen: 0.503 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.564

Tgt Ion:180 Resp: 7836
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.5 114.7
 184 30.7 24.3 36.5
 145 31.8 25.2 37.8

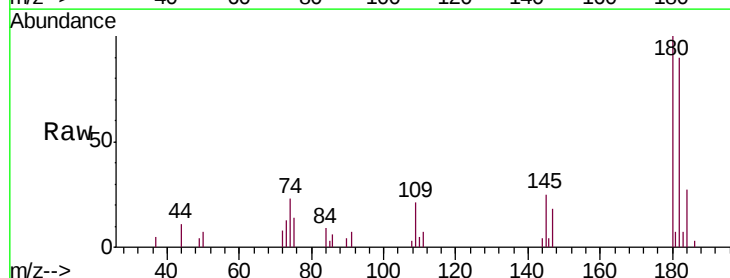


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

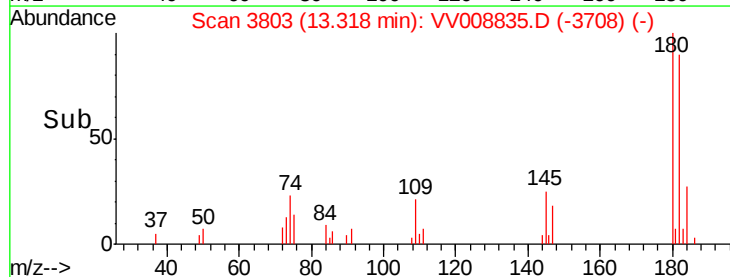
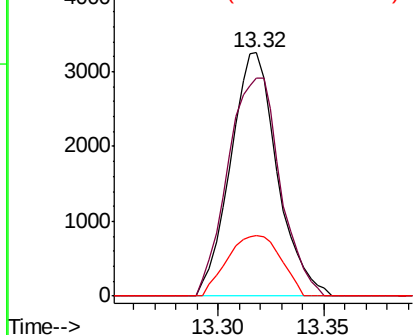


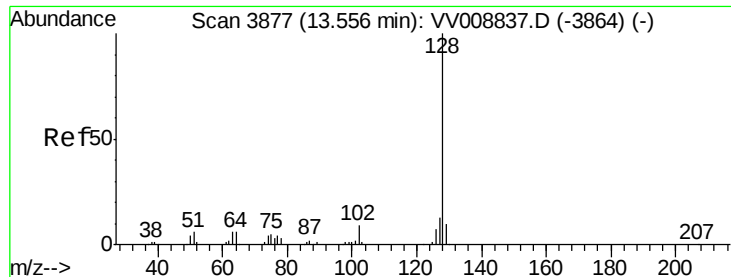
#68
 1,2,4-trichlorobenzene
 Concen: 0.437 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008835.D
 Acq: 05 Dec 2018 10:08

Tgt Ion:180 Resp: 5032
 Ion Ratio Lower Upper
 180 100
 182 100.3 76.2 114.4
 145 28.4 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: 0.375 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.564

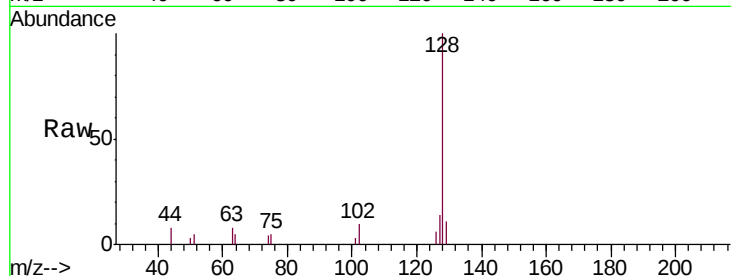
Tgt Ion:128 Resp: 6345

Ion Ratio Lower Upper

128 100

129 9.9 8.6 12.8

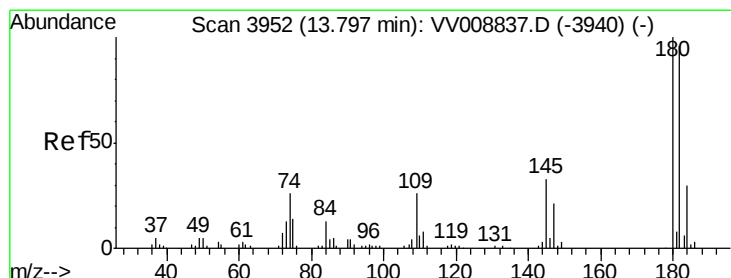
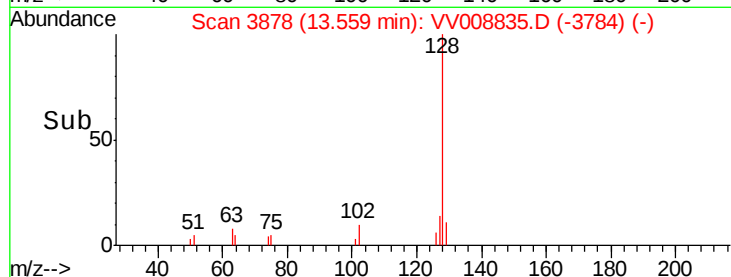
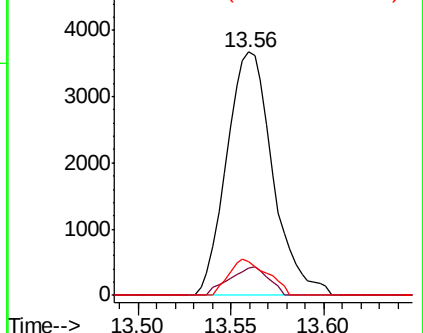
127 12.4 10.6 15.8



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: 0.448 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008835.D

Acq: 05 Dec 2018 10:08

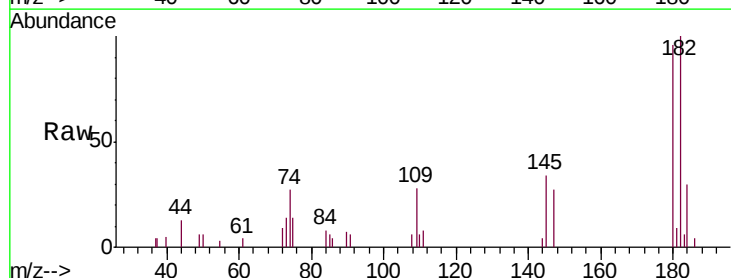
Tgt Ion:180 Resp: 4844

Ion Ratio Lower Upper

180 100

182 104.9 77.8 116.8

145 34.5 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

