

Data File : VV008090.D
Acq On : 05 Oct 2018 11:21
Operator : SY/MD
Sample : VSTD00170
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

Quant Time: Oct 06 00:12:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 00:00:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	80939	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	78225	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	37592	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5313	1.20	ug/L	0.00
7) Chloroethane-d5	1.59	69	4576	1.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	10117	1.03	ug/L	0.00
20) 2-Butanone-d5	3.97	46	11302	8.69	ug/L	0.00
24) Chloroform-d	4.41	84	10209	1.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5205	0.96	ug/L	0.00
32) Benzene-d6	5.10	84	19086	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6441	1.08	ug/L	0.00
41) Toluene-d8	7.36	98	17897	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2000	0.87	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	6996	7.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	4359	0.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	7283	1.00	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5616	0.854 ug/L	97
3) Chloromethane	1.25	50	4731	0.823 ug/L	98
5) Vinyl chloride	1.32	62	5346	0.861 ug/L	96
6) Bromomethane	1.54	94	2440	0.666 ug/L	98
8) Chloroethane	1.60	64	3998	1.054 ug/L	100
9) Trichlorofluoromethane	1.77	101	9311	0.913 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5642	0.966 ug/L	97
12) 1,1-Dichloroethene	2.14	96	4541	0.877 ug/L	86
13) Acetone	2.21	43	8945	9.679 ug/L	97
14) Carbon disulfide	2.32	76	11230	0.806 ug/L #	93
15) Methyl Acetate	2.47	43	2038	0.851 ug/L	97
16) Methylene chloride	2.54	84	5959	1.026 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	11283	0.875 ug/L #	94
18) trans-1,2-Dichloroethene	2.79	96	4797	0.840 ug/L	98
19) 1,1-Dichloroethane	3.23	63	9290	0.943 ug/L	95
21) 2-Butanone	4.06	43	13151	8.853 ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	5260	0.896 ug/L	83
23) Bromochloromethane	4.30	128	2439	0.941 ug/L	83
25) Chloroform	4.43	83	9890	0.923 ug/L	93
27) 1,2-Dichloroethane	5.19	62	6006	0.887 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	8672	0.934 ug/L	97
30) Cyclohexane	4.73	56	7072	0.829 ug/L	95
31) Carbon tetrachloride	4.88	117	7729	0.943 ug/L	100
33) Benzene	5.15	78	19401	0.882 ug/L	100
34) Trichloroethene	5.96	95	5733	0.913 ug/L	93
35) Methylcyclohexane	6.18	83	7751	0.834 ug/L	94
37) 1,2-Dichloropropane	6.23	63	5159	0.909 ug/L	98
38) Bromodichloromethane	6.56	83	6062	0.893 ug/L #	95
39) cis-1,3-Dichloropropene	7.07	75	6299	0.834 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	28313	8.032 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	19541	0.816	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	5012	0.802	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	3597	0.874	ug/L	91
47) Tetrachloroethene	8.02	164	5120	0.882	ug/L	94
48) 2-Hexanone	8.19	43	18056	7.367	ug/L	98
49) Dibromochloromethane	8.29	129	4549	0.963	ug/L	90
50) 1,2-Dibromoethane	8.40	107	3098	0.832	ug/L #	98
51) Chlorobenzene	8.93	112	14362	0.867	ug/L	98
52) Ethylbenzene	9.06	91	20704	0.780	ug/L	99
53) m,p-xylene	9.19	106	7583	0.747	ug/L	100
54) o-xylene	9.59	106	7260	0.744	ug/L	98
55) Styrene	9.61	104	11644	0.697	ug/L	99
56) Isopropylbenzene	9.98	105	19513	0.738	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	4164	0.868	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	3038	0.866	ug/L	99
61) Bromoform	9.78	173	2241	0.969	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	11169	0.912	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	11471	0.899	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	10776	0.929	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	566	0.949	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	9558	0.910	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	6534	0.744	ug/L	96
69) Naphthalene	13.56	128	6757	0.563	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	6068	0.762	ug/L	98

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

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

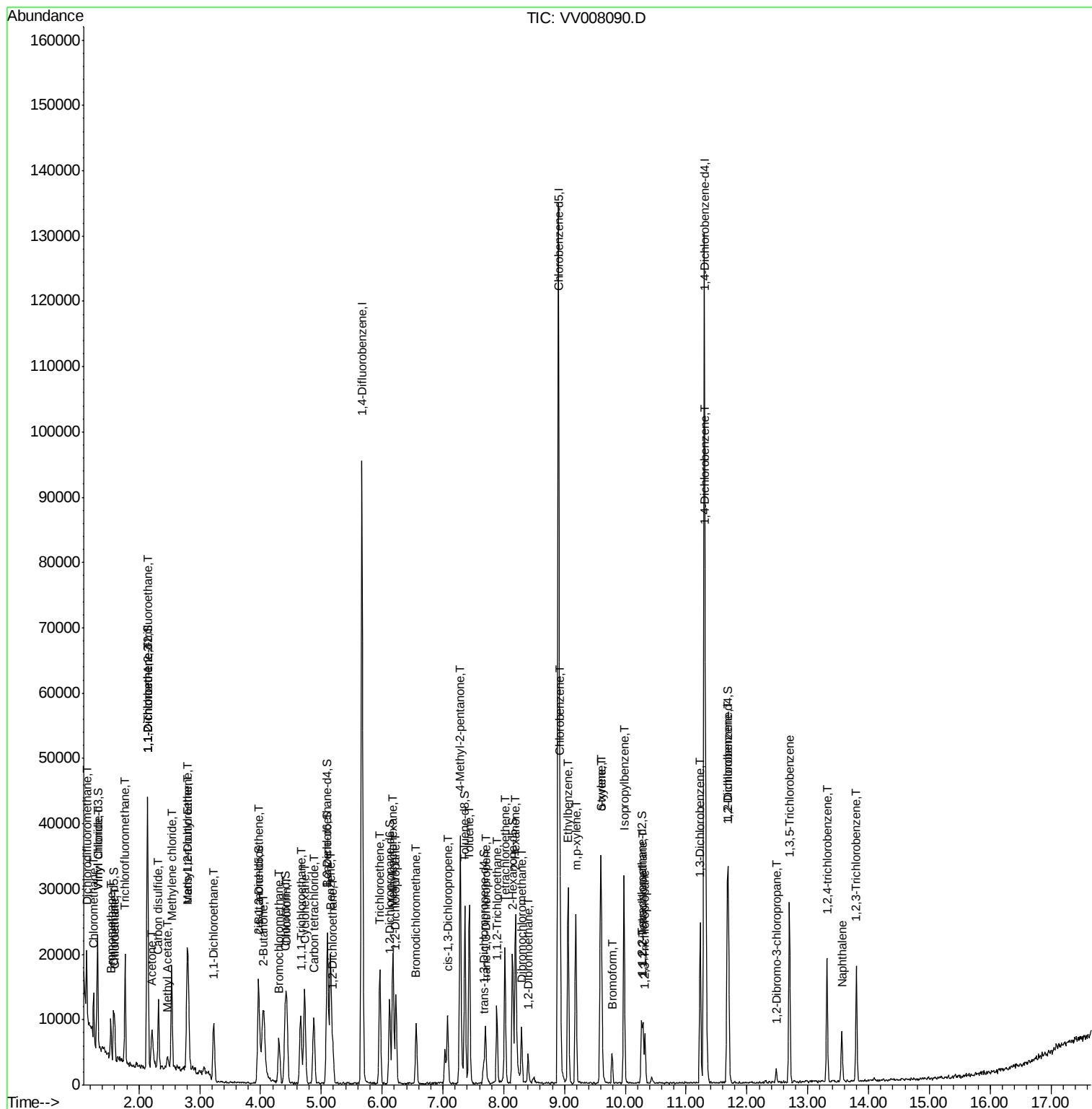
Quant Time: Oct 06 00:12:02 2018

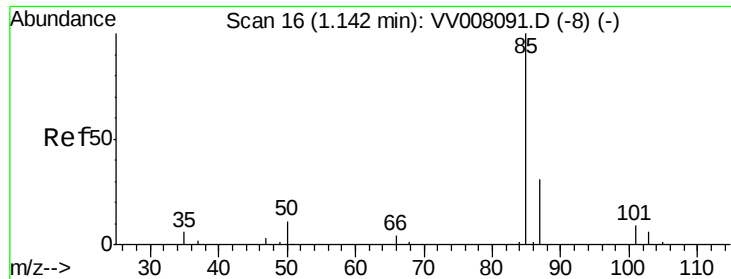
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR100518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Oct 06 00:00:39 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.854 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

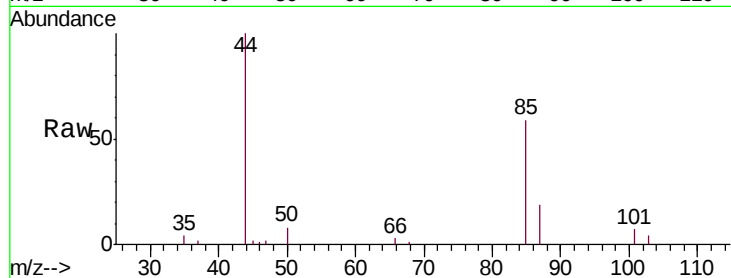
VSTD00170

Tgt Ion: 85 Resp: 5616

Ion Ratio Lower Upper

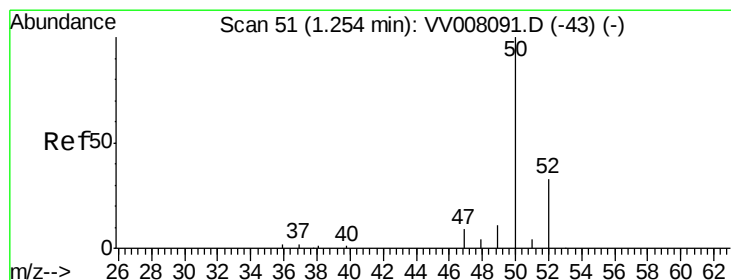
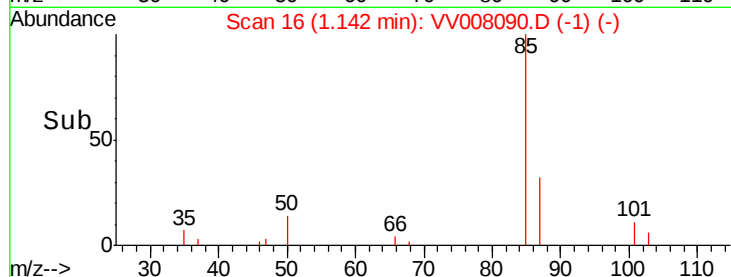
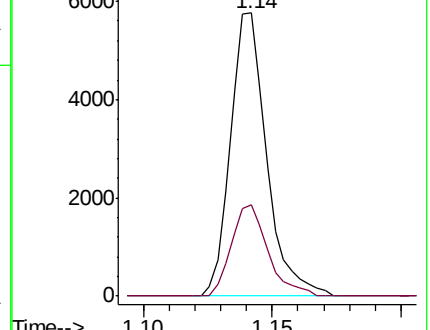
85 100

87 32.6 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV008091.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008091.D (-8) (-)



#3

Chloromethane

Concen: 0.823 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008090.D

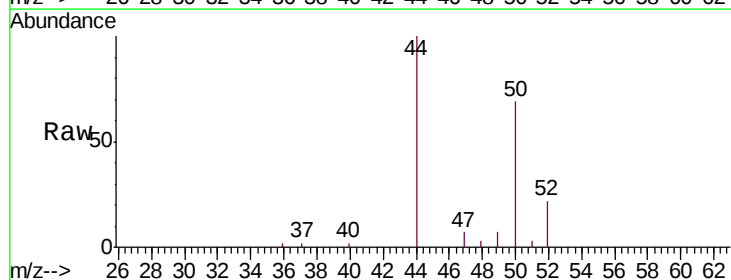
Acq: 05 Oct 2018 11:21

Tgt Ion: 50 Resp: 4731

Ion Ratio Lower Upper

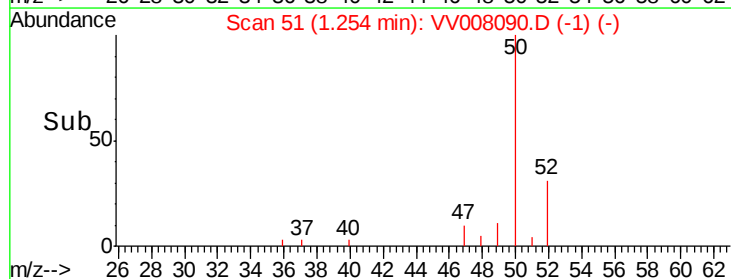
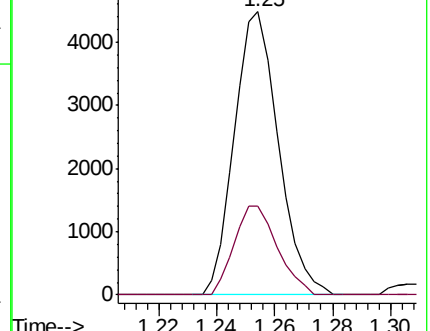
50 100

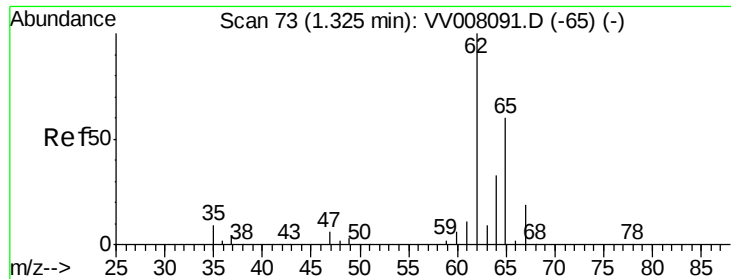
52 31.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008091.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008091.D (-43) (-)





#5

Vinyl chloride

Concen: 0.861 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

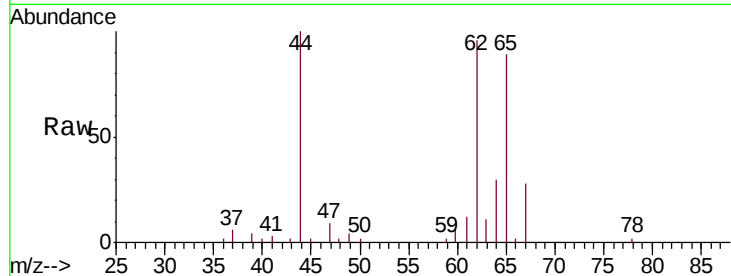
VSTD00170

Tgt Ion: 62 Resp: 5346

Ion Ratio Lower Upper

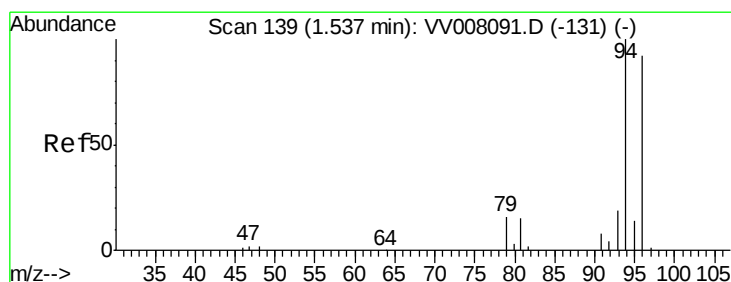
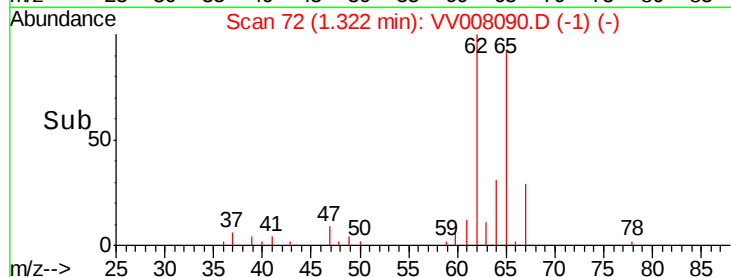
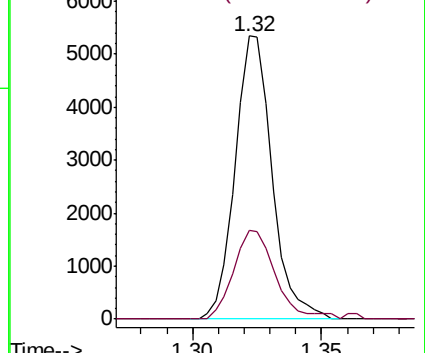
62 100

64 31.2 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008091.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008091.D (-65) (-)



#6

Bromomethane

Concen: 0.666 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008090.D

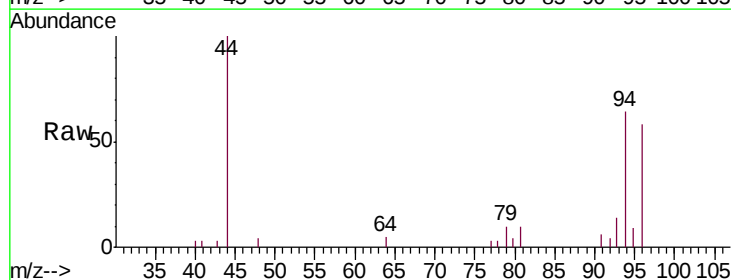
Acq: 05 Oct 2018 11:21

Tgt Ion: 94 Resp: 2440

Ion Ratio Lower Upper

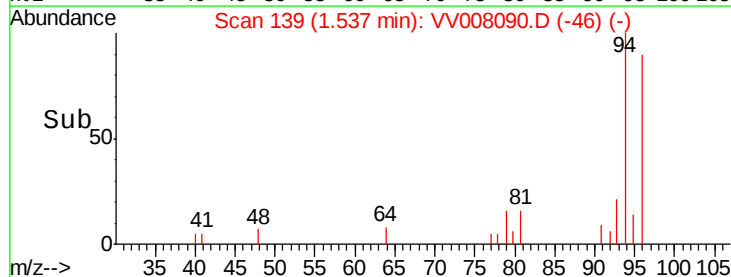
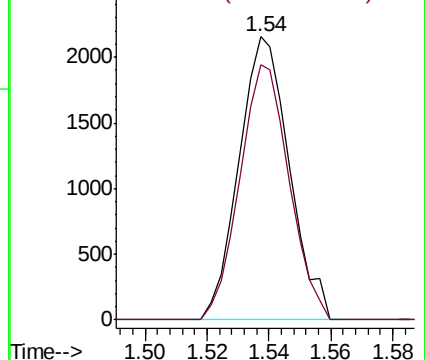
94 100

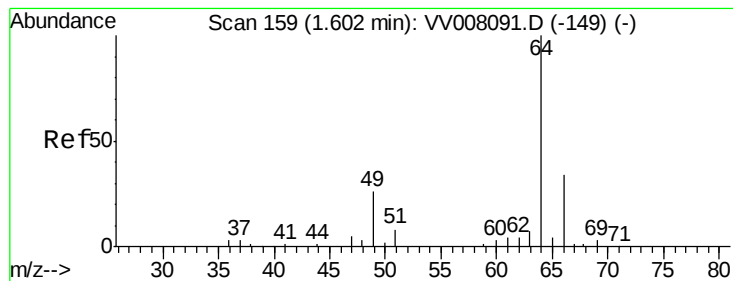
96 90.4 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008091.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008091.D (-131) (-)





#8

Chloroethane

Concen: 1.054 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

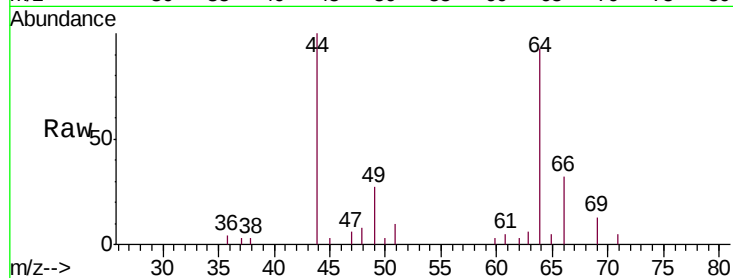
VSTD00170

Tgt Ion: 64 Resp: 3998

Ion Ratio Lower Upper

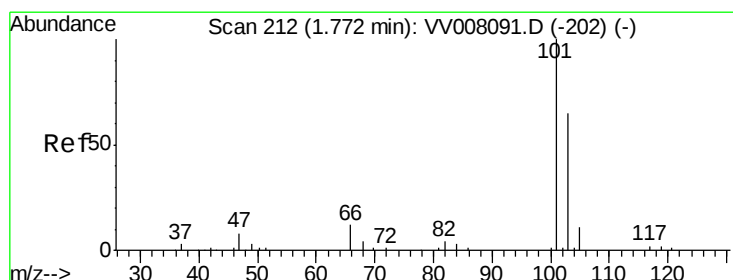
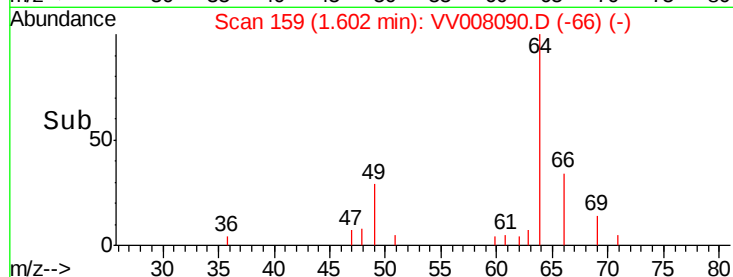
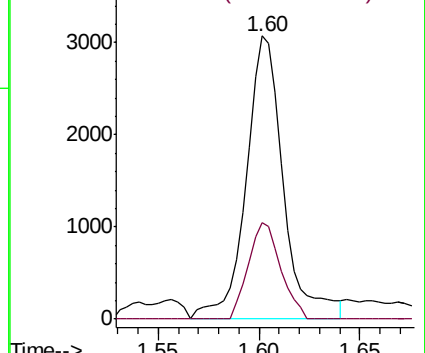
64 100

66 34.3 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008091.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV008091.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 0.913 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008090.D

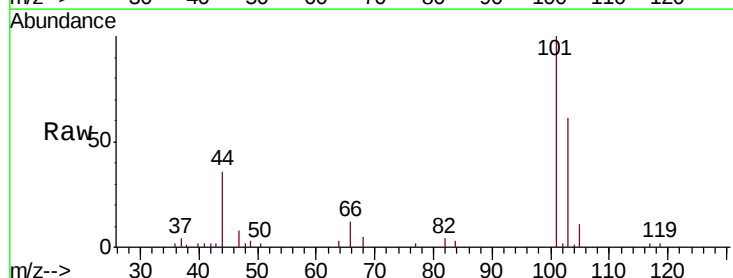
Acq: 05 Oct 2018 11:21

Tgt Ion: 101 Resp: 9311

Ion Ratio Lower Upper

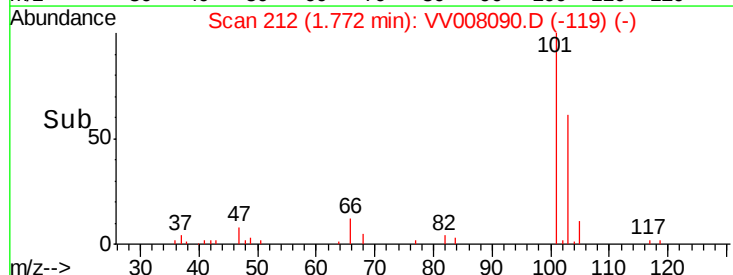
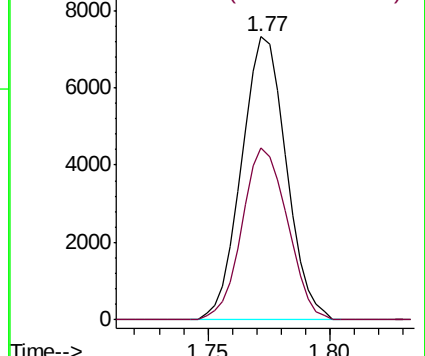
101 100

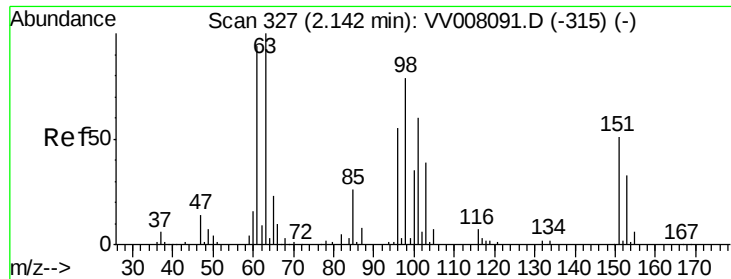
103 61.4 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008091.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008091.D (-202) (-)





#10

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

Concen: 0.966 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

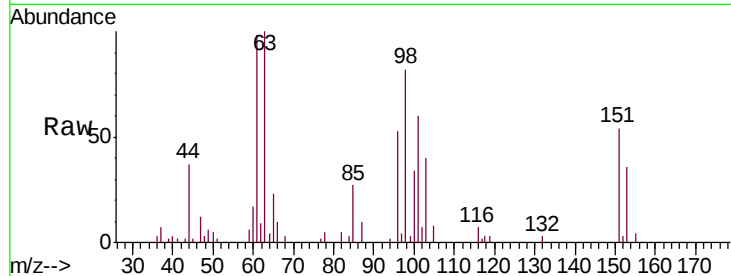
Tgt Ion:101 Resp: 5642

Ion Ratio Lower Upper

101 100

85 40.7 35.4 53.0

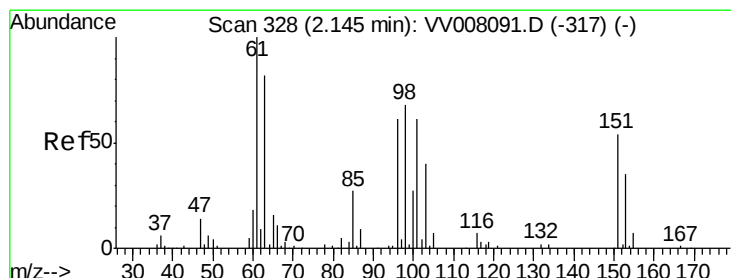
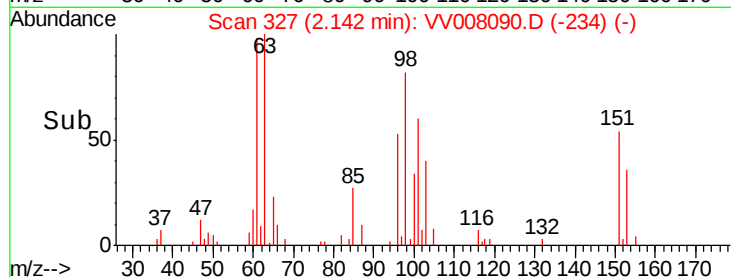
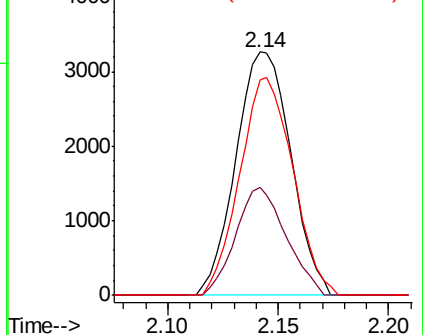
151 86.2 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.877 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

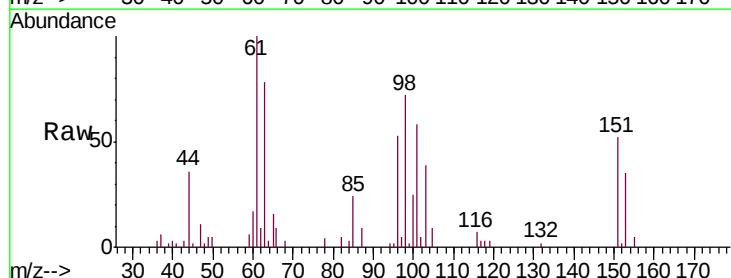
Tgt Ion: 96 Resp: 4541

Ion Ratio Lower Upper

96 100

61 189.2 114.7 213.1

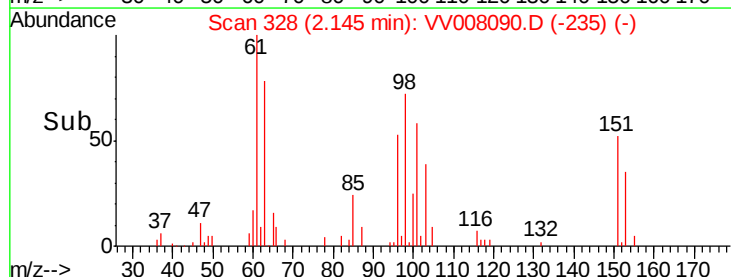
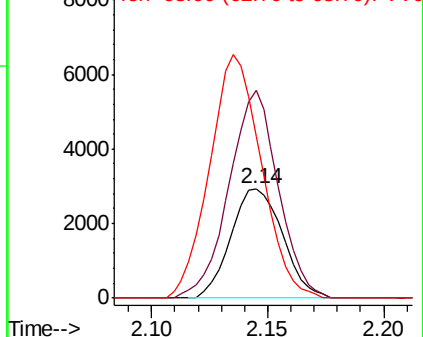
63 147.4 96.9 179.9

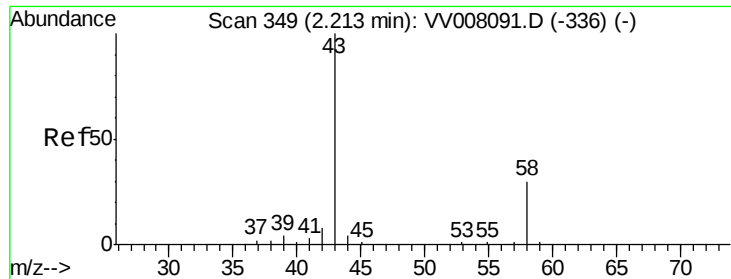


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 9.679 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

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ClientSampleId :

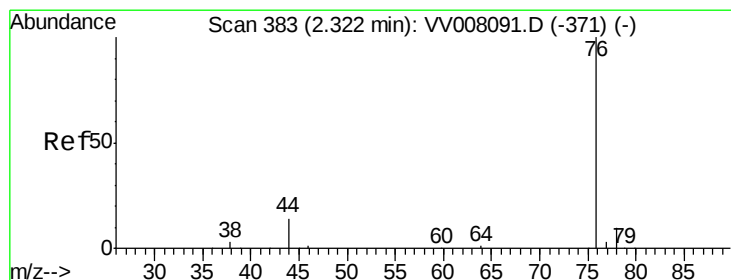
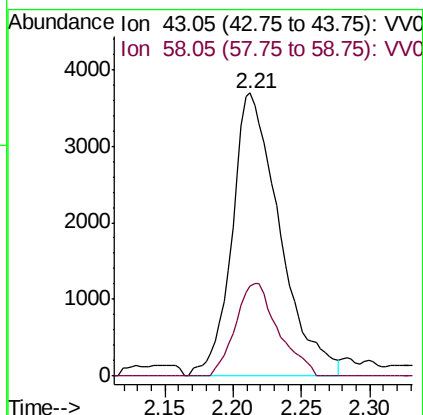
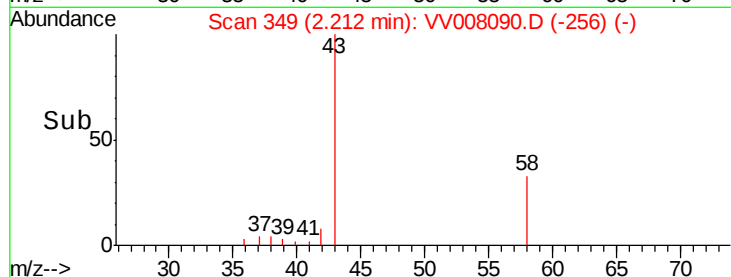
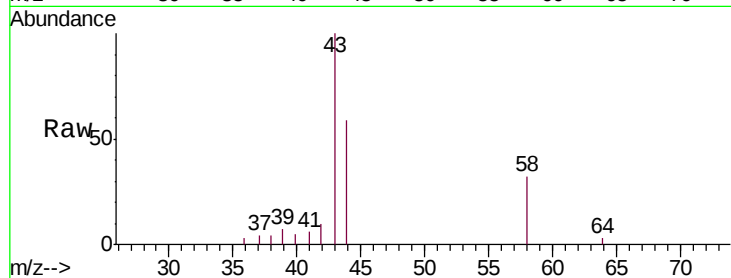
VSTD00170

Tgt Ion: 43 Resp: 8945

Ion Ratio Lower Upper

43 100

58 29.3 0.0 62.2



#14

Carbon disulfide

Concen: 0.806 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV008090.D

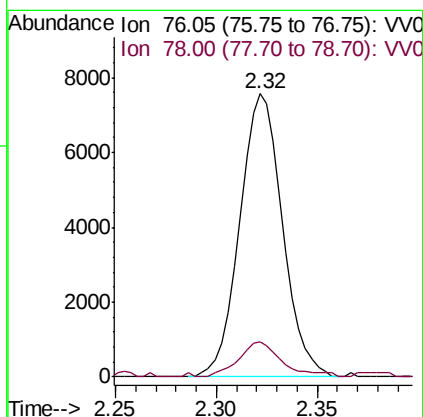
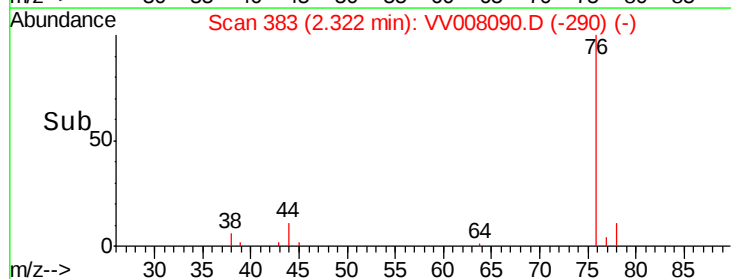
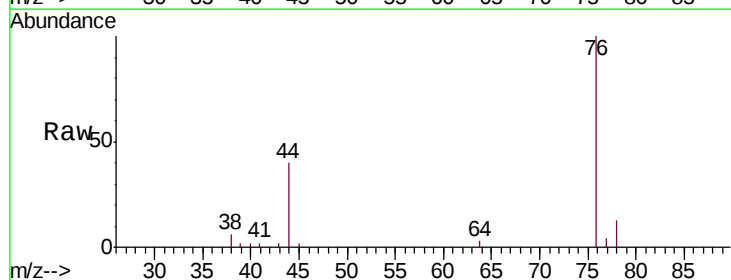
Acq: 05 Oct 2018 11:21

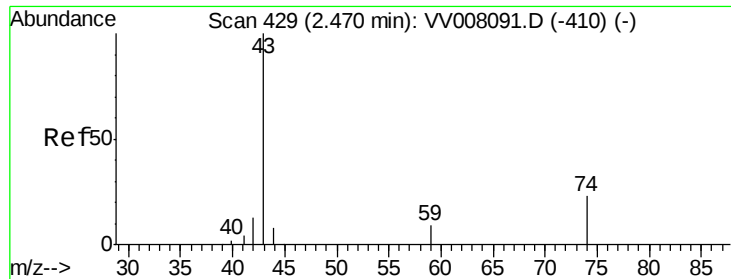
Tgt Ion: 76 Resp: 11230

Ion Ratio Lower Upper

76 100

78 12.6 8.0 12.0#





#15

Methyl Acetate

Concen: 0.851 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampled :

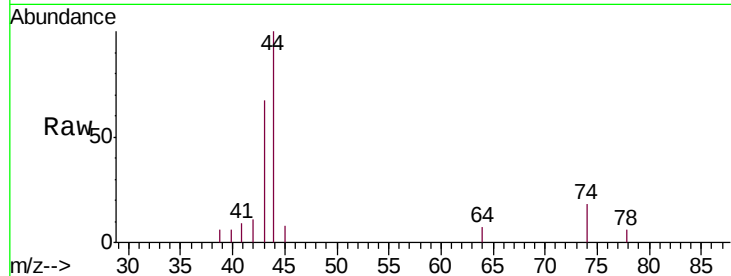
VSTD00170

Tgt Ion: 43 Resp: 2038

Ion Ratio Lower Upper

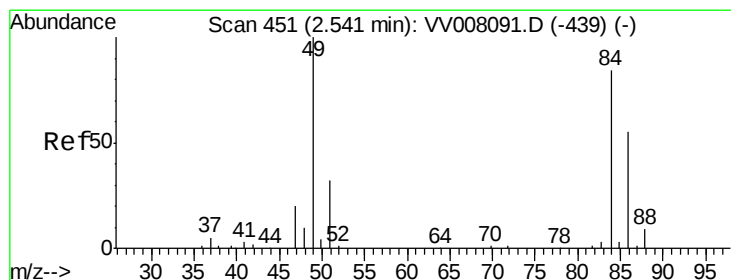
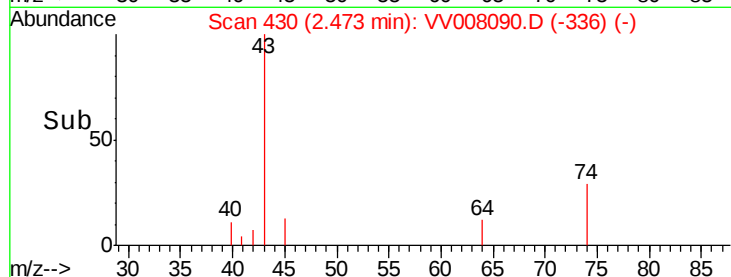
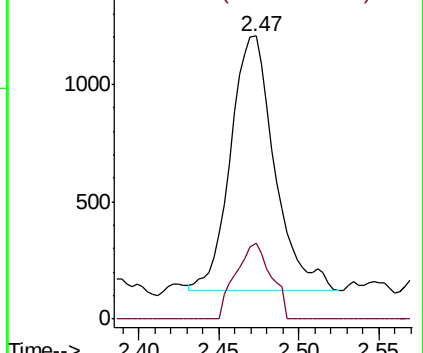
43 100

74 23.8 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.026 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

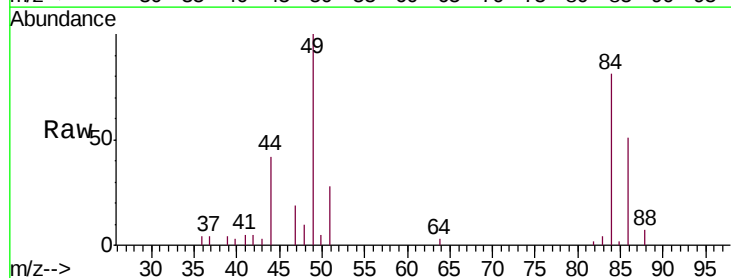
Tgt Ion: 84 Resp: 5959

Ion Ratio Lower Upper

84 100

86 63.1 45.3 84.1

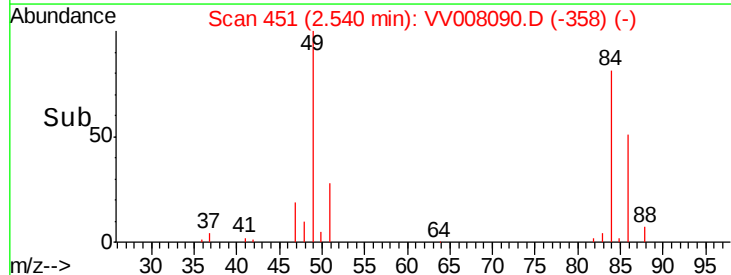
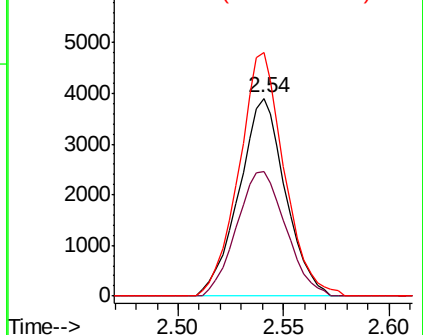
49 123.1 83.0 154.1

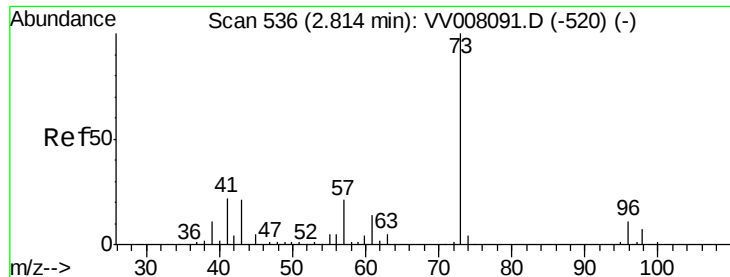


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

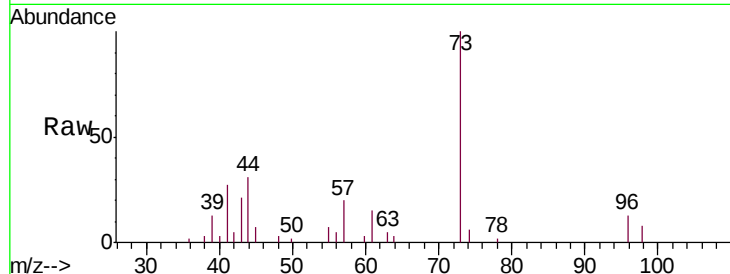




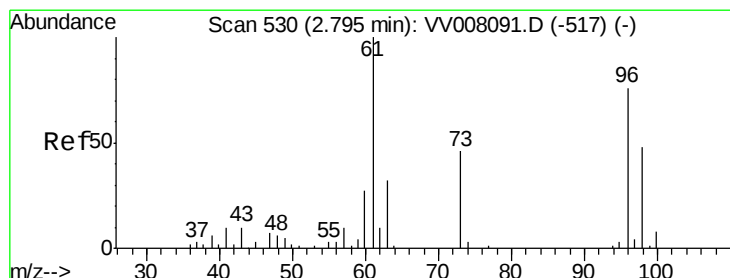
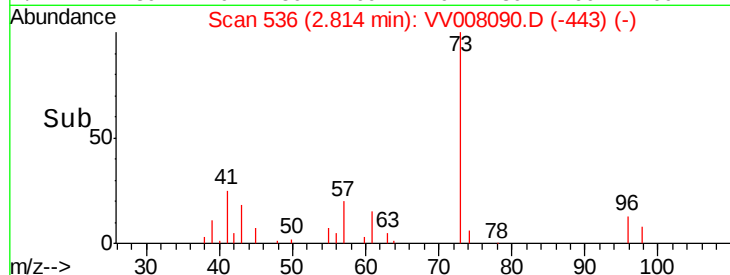
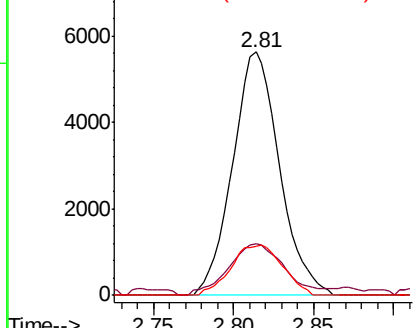
#17
Methyl tert-butyl Ether
Concen: 0.875 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

Tgt Ion: 73 Resp: 11283
Ion Ratio Lower Upper
73 100
43 25.7 17.0 25.4#
57 22.6 17.3 25.9

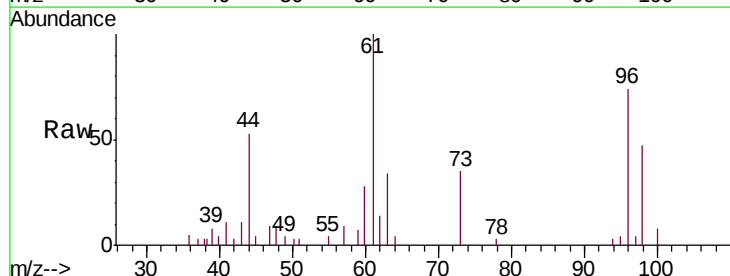


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

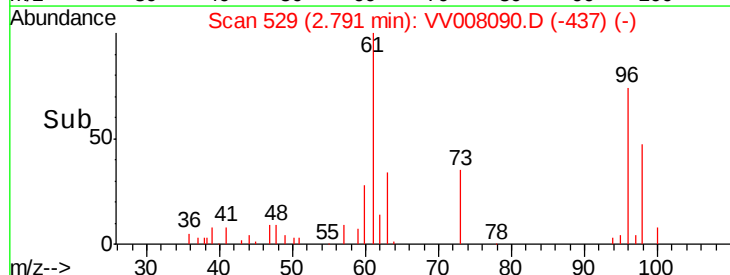
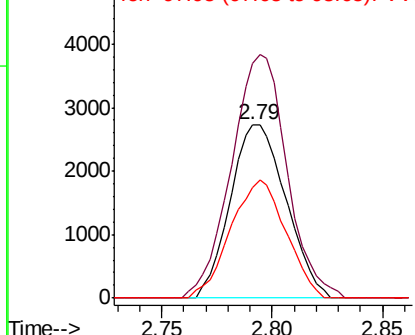


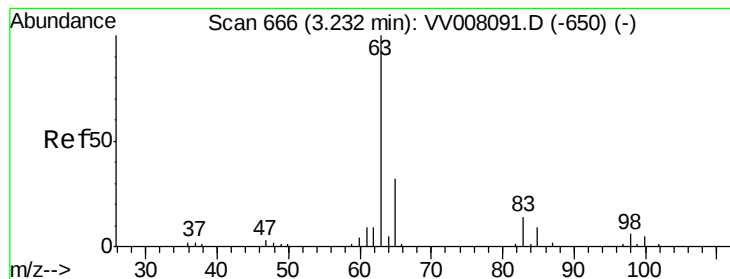
#18
trans-1,2-Dichloroethene
Concen: 0.840 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Tgt Ion: 96 Resp: 4797
Ion Ratio Lower Upper
96 100
61 134.8 91.6 170.2
98 63.4 44.4 82.5



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: 0.943 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

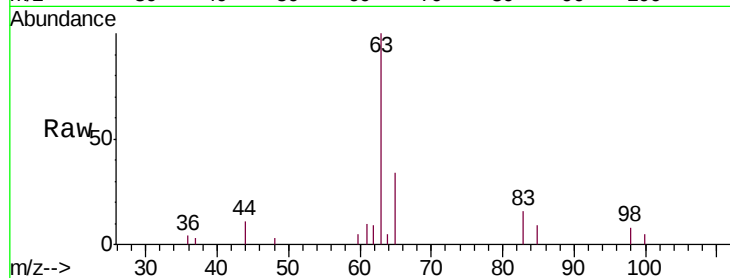
Tgt Ion: 63 Resp: 9290

Ion Ratio Lower Upper

63 100

65 34.2 22.4 41.6

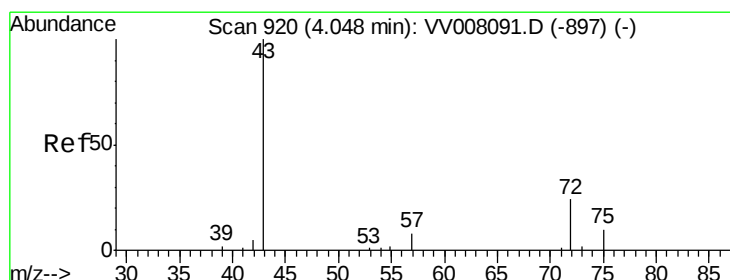
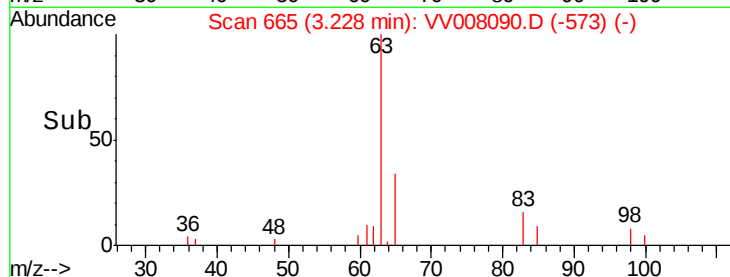
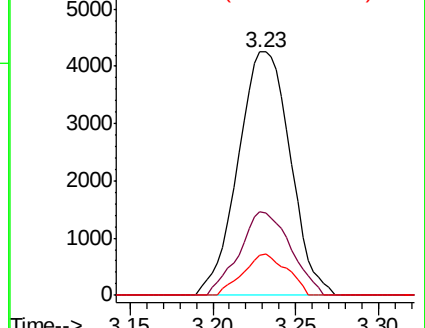
83 16.2 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VV008091.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV008091.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008091.D (-650) (-)



#21

2-Butanone

Concen: 8.853 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV008090.D

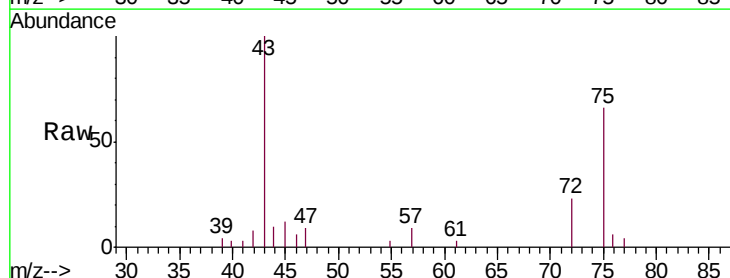
Acq: 05 Oct 2018 11:21

Tgt Ion: 43 Resp: 13151

Ion Ratio Lower Upper

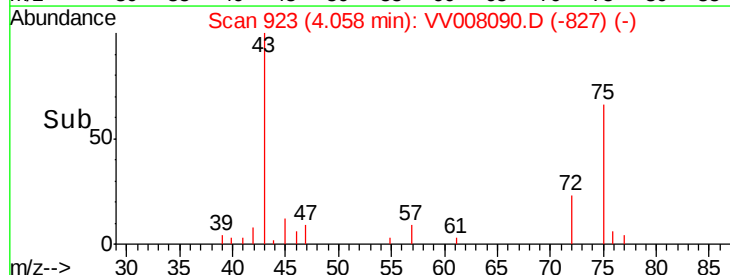
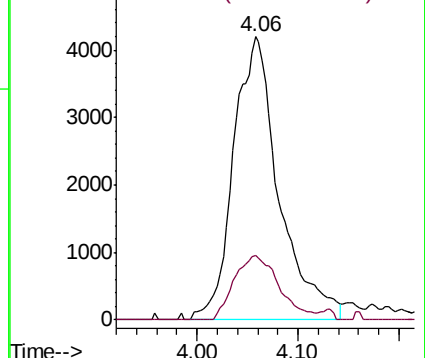
43 100

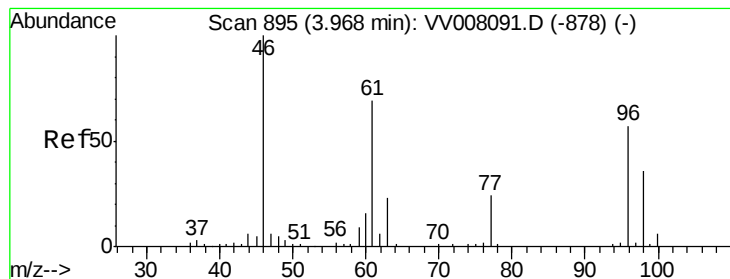
72 22.5 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-897) (-)

Ion 72.10 (71.80 to 72.80): VV008091.D (-897) (-)



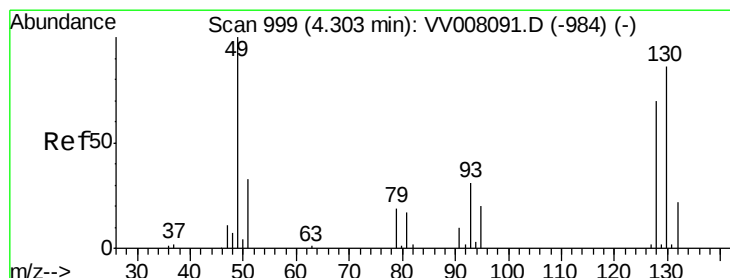
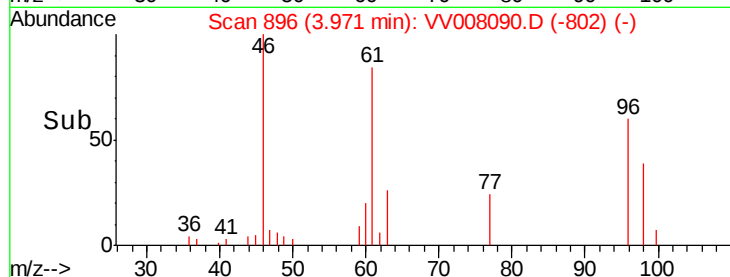
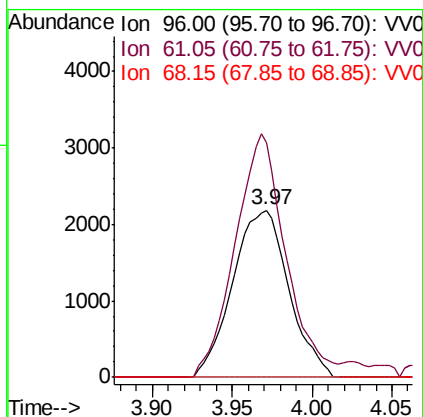
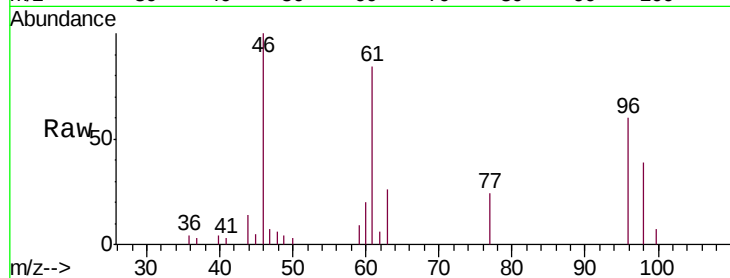


#22

cis-1,2-Dichloroethene
 Concen: 0.896 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

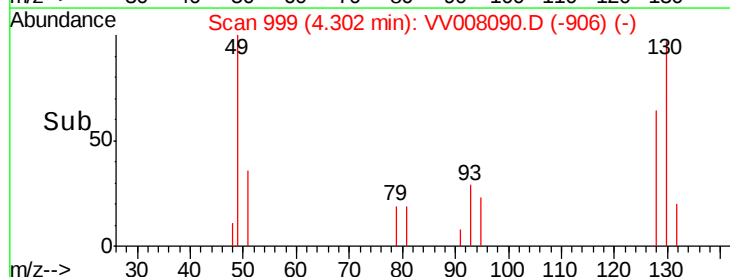
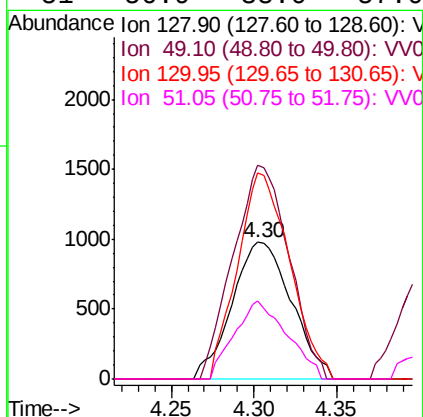
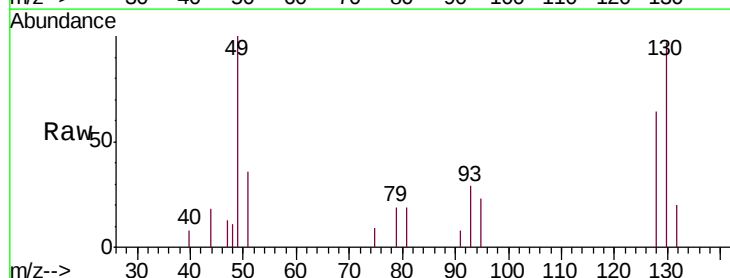
Tgt Ion: 96 Resp: 5260
 Ion Ratio Lower Upper
 96 100
 61 140.8 85.1 158.1
 68 0.0 0.0 0.0

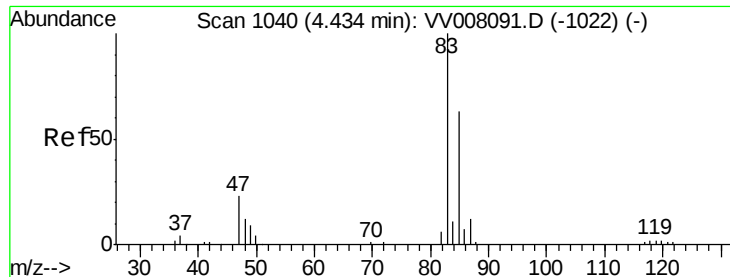


#23

Bromochloromethane
 Concen: 0.941 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion: 128 Resp: 2439
 Ion Ratio Lower Upper
 128 100
 49 156.4 99.8 185.3
 130 151.0 85.5 158.7
 51 56.9 38.0 57.0

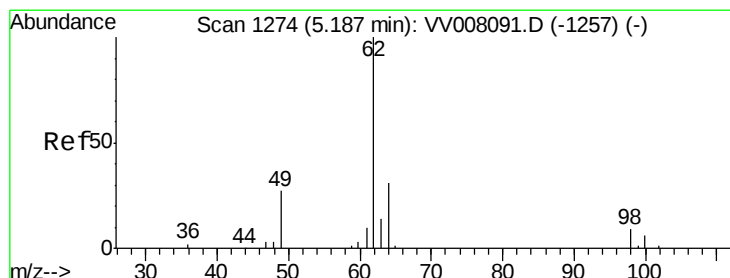
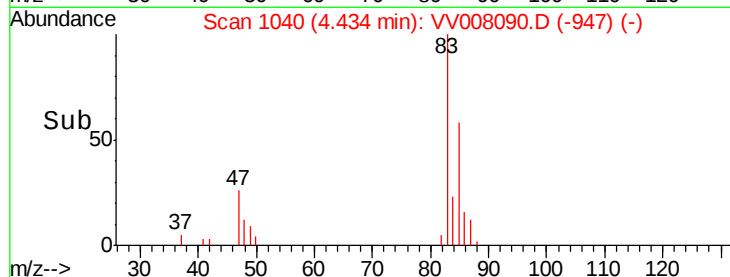
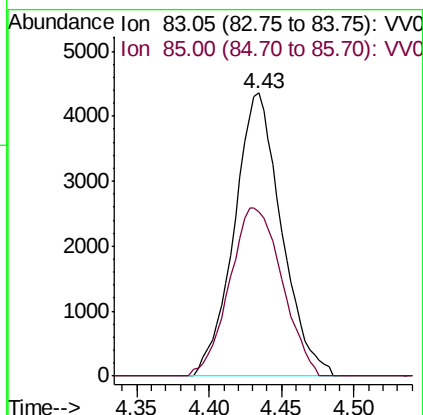
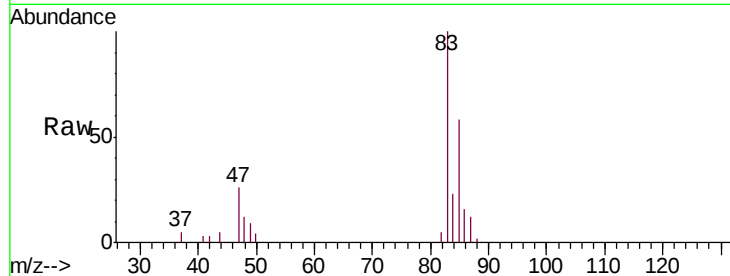




#25
Chloroform
Concen: 0.923 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

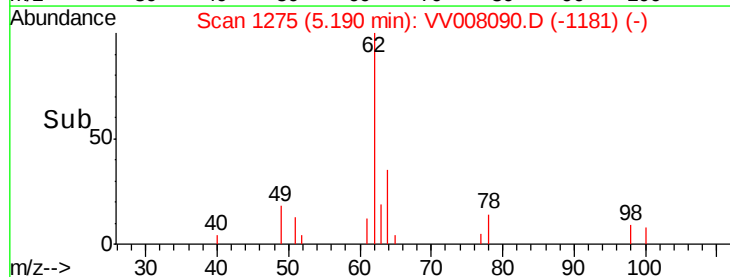
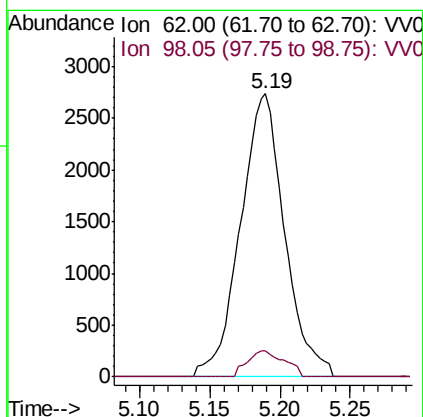
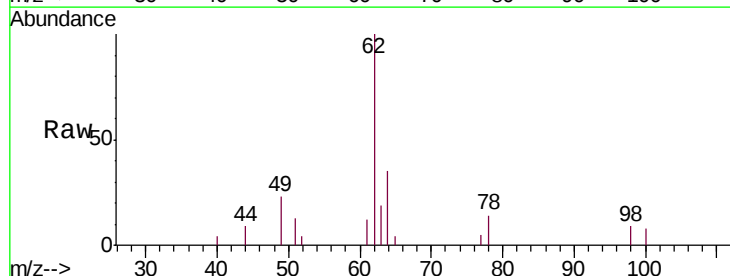
Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

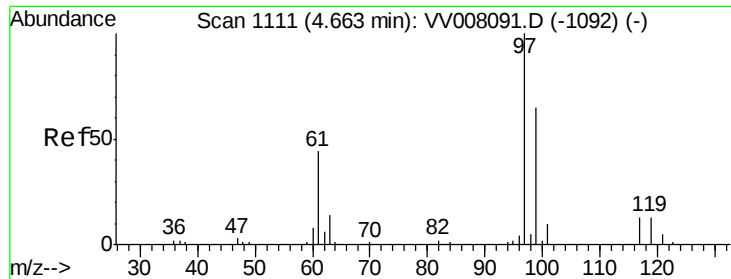
Tgt Ion: 83 Resp: 9890
Ion Ratio Lower Upper
83 100
85 57.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.887 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Tgt Ion: 62 Resp: 6006
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9

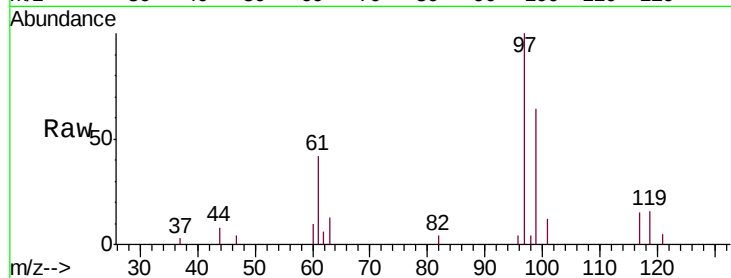




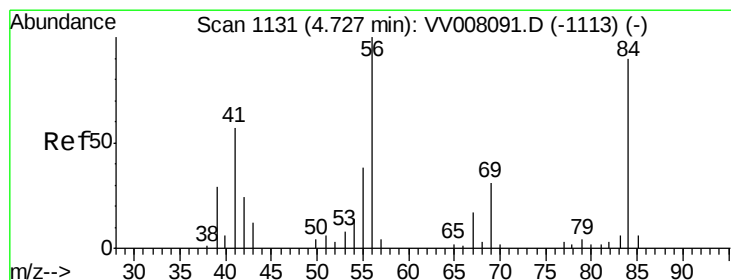
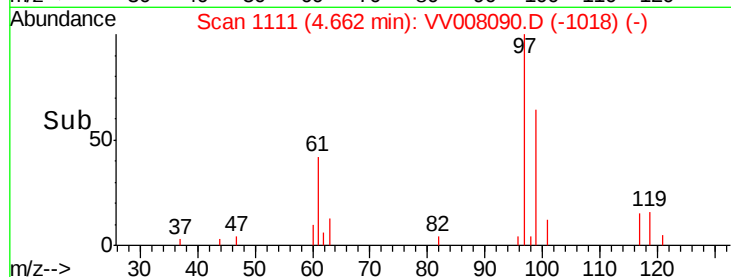
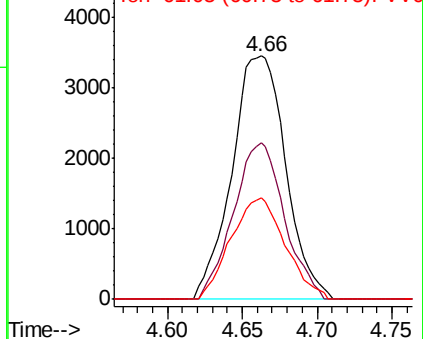
#29
 1,1,1-Trichloroethane
 Concen: 0.934 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

Tgt Ion: 97 Resp: 8672
 Ion Ratio Lower Upper
 97 100
 99 60.7 51.0 76.4
 61 42.0 34.0 51.0

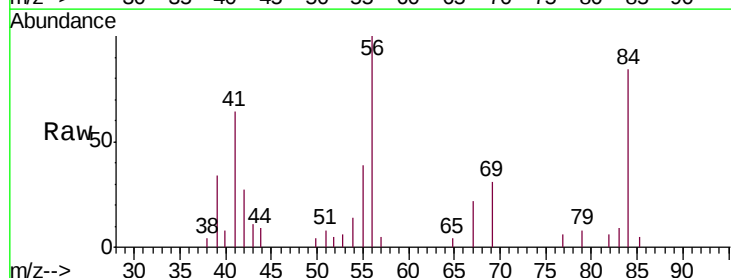


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

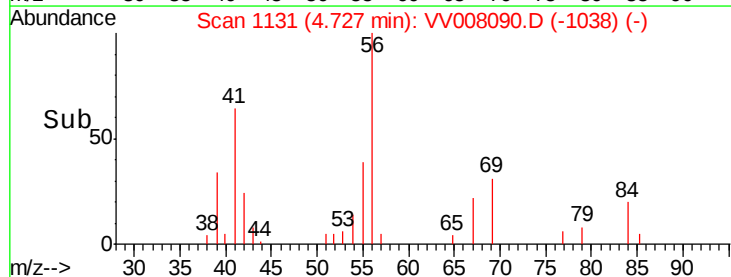
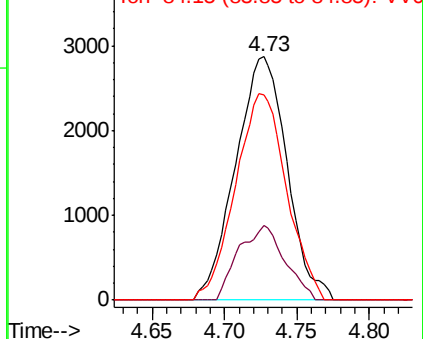


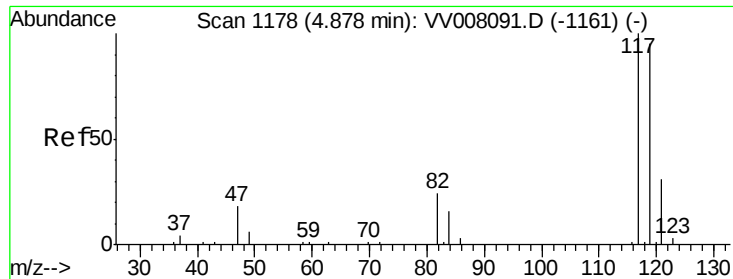
#30
 Cyclohexane
 Concen: 0.829 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion: 56 Resp: 7072
 Ion Ratio Lower Upper
 56 100
 69 27.5 24.6 36.8
 84 84.2 70.7 106.1



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: 0.943 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

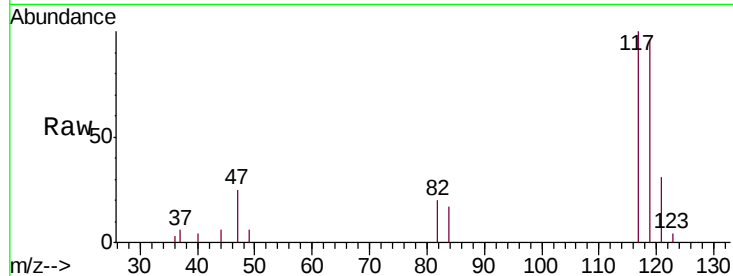
VSTD00170

Tgt Ion:117 Resp: 7729

Ion Ratio Lower Upper

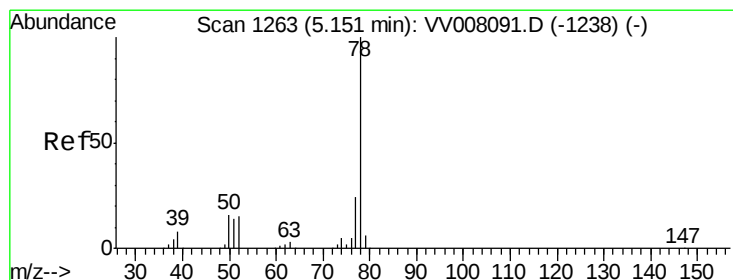
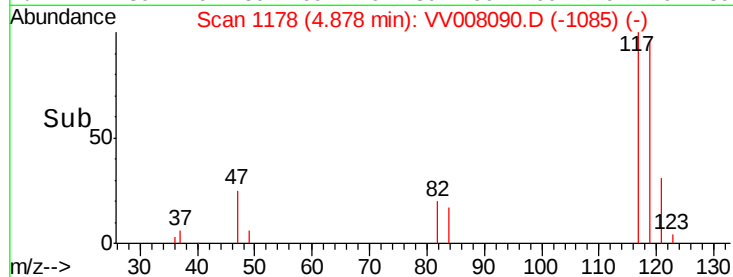
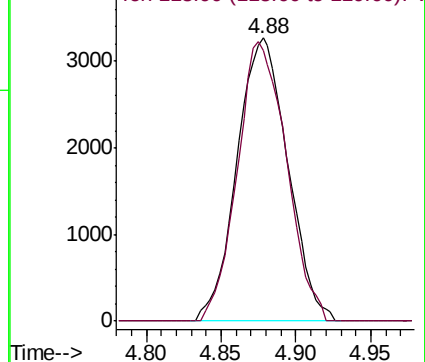
117 100

119 95.2 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.882 ug/L

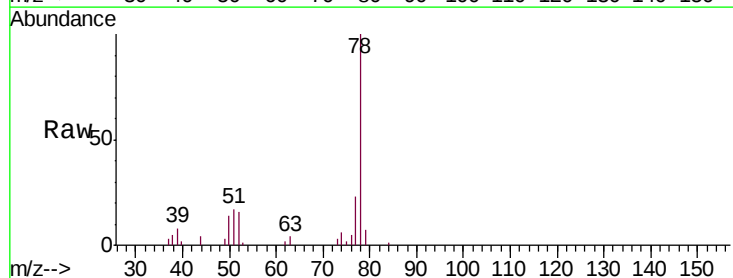
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

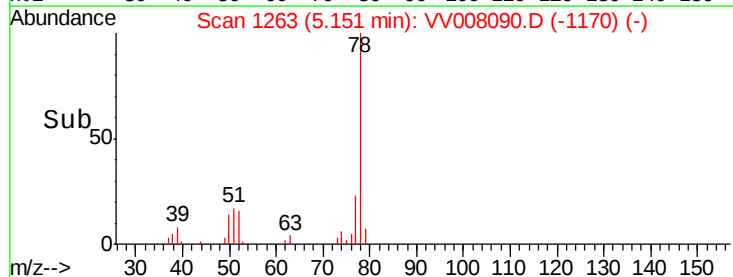
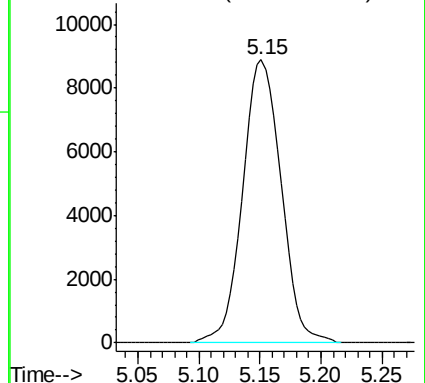
Lab File: VV008090.D

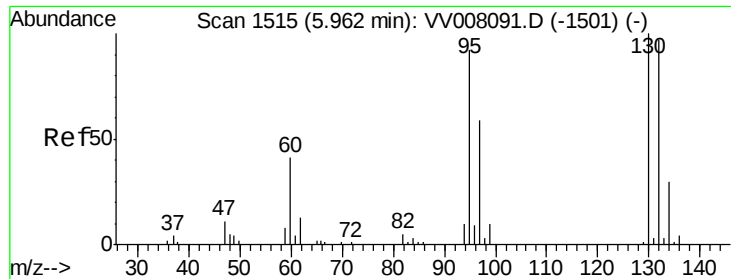
Acq: 05 Oct 2018 11:21

Tgt Ion: 78 Resp: 19401



Abundance Ion 78.10 (77.80 to 78.80): VV0

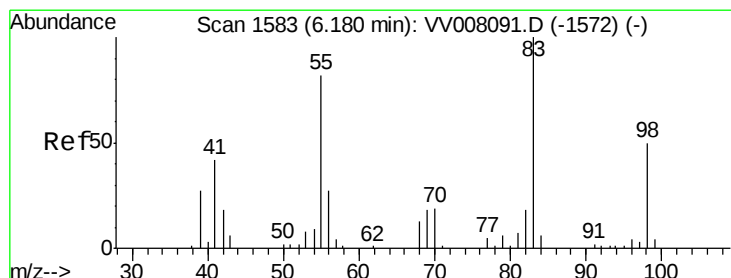
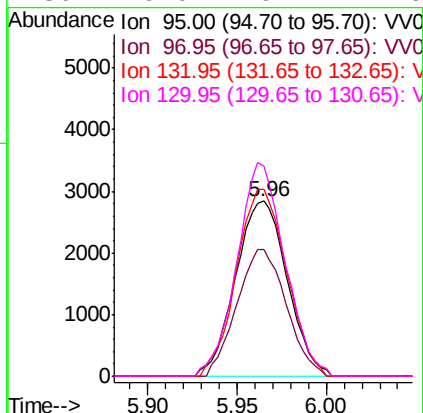
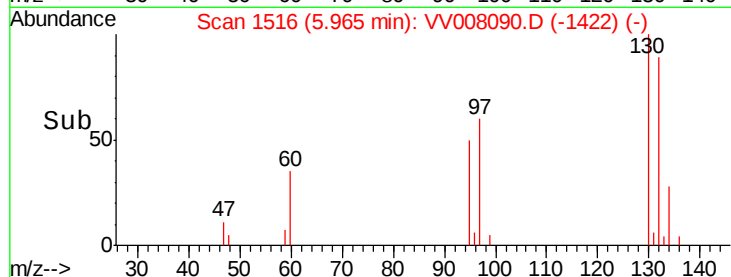
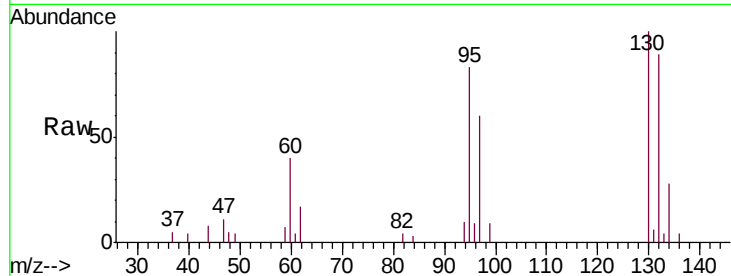




#34
 Trichloroethene
 Concen: 0.913 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

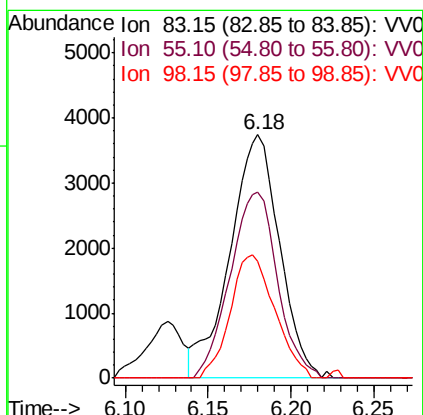
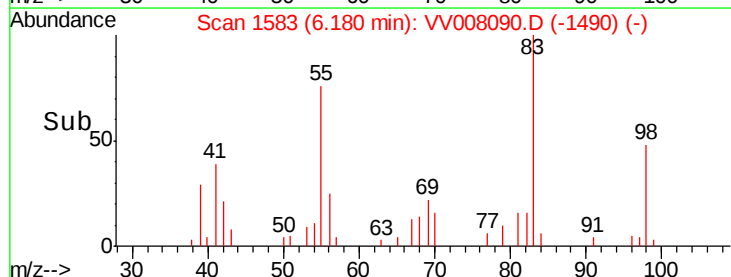
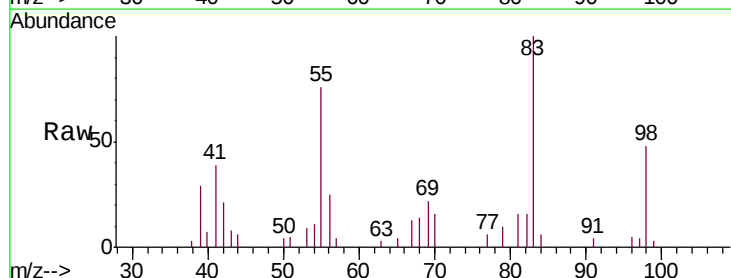
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00170

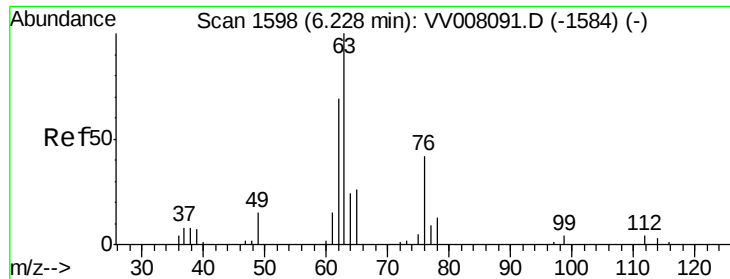
Tgt Ion: 95 Resp: 5733
 Ion Ratio Lower Upper
 95 100
 97 72.1 44.9 83.5
 132 107.0 73.6 136.6
 130 120.0 76.2 141.6



#35
 Methylcyclohexane
 Concen: 0.834 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion: 83 Resp: 7751
 Ion Ratio Lower Upper
 83 100
 55 73.2 63.6 95.4
 98 45.7 38.3 57.5





#37

1,2-Dichloropropane

Concen: 0.909 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

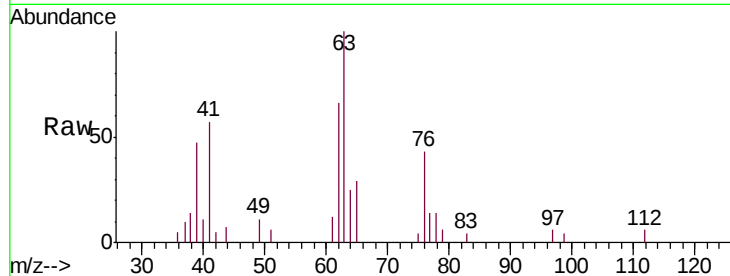
VSTD00170

Tgt Ion: 63 Resp: 5159

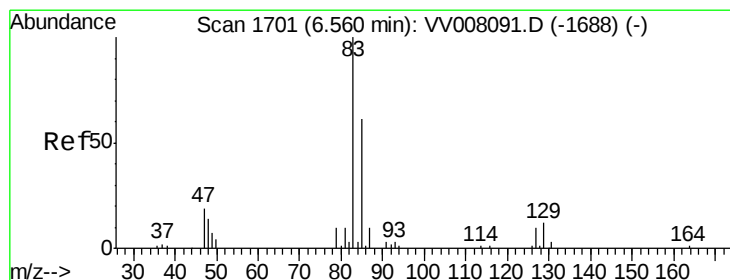
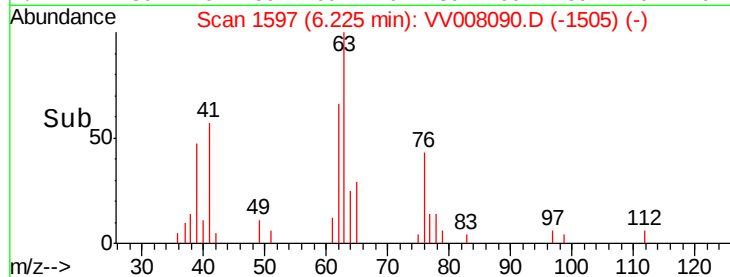
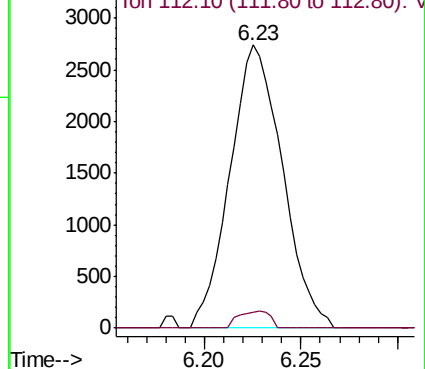
Ion Ratio Lower Upper

63 100

112 3.6 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VV008091.D (-1584) (-)



#38

Bromodichloromethane

Concen: 0.893 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

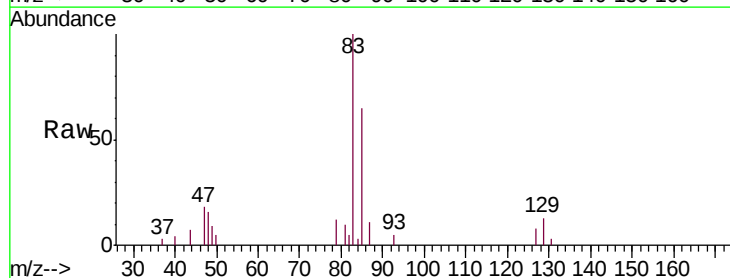
Tgt Ion: 83 Resp: 6062

Ion Ratio Lower Upper

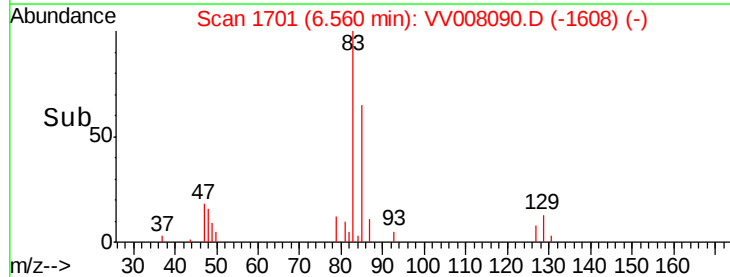
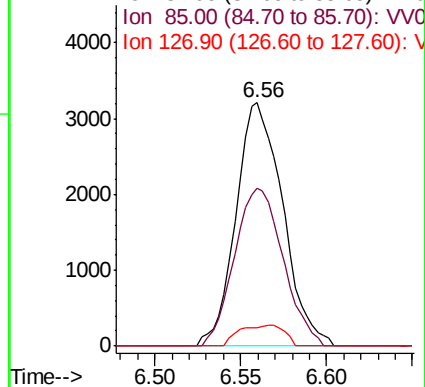
83 100

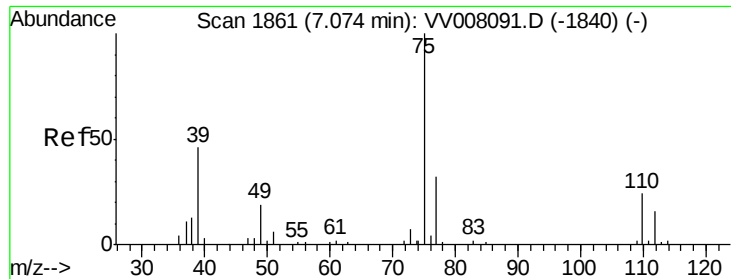
85 64.7 42.5 78.9

127 7.6 7.7 11.5#



Abundance Ion 82.95 (82.65 to 83.65): VV008091.D (-1688) (-)

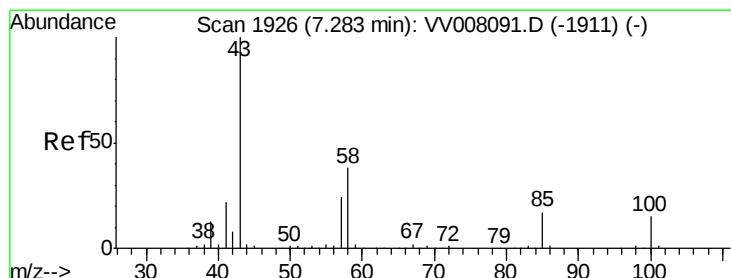
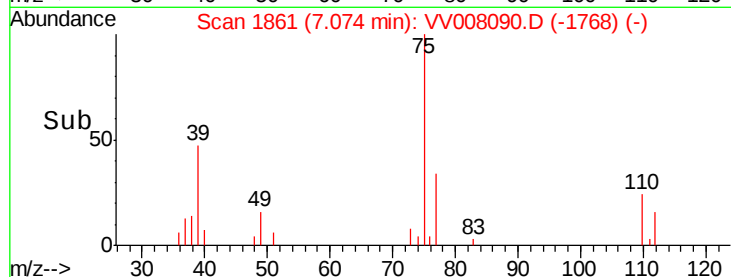
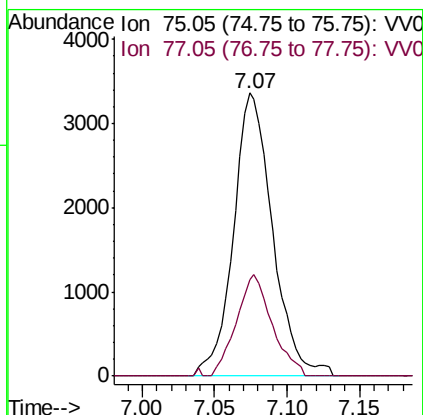
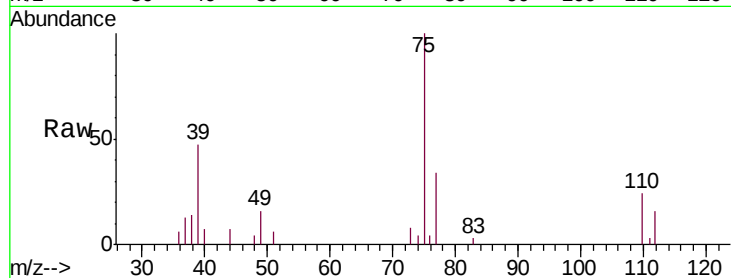




#39
 cis-1,3-Dichloropropene
 Concen: 0.834 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

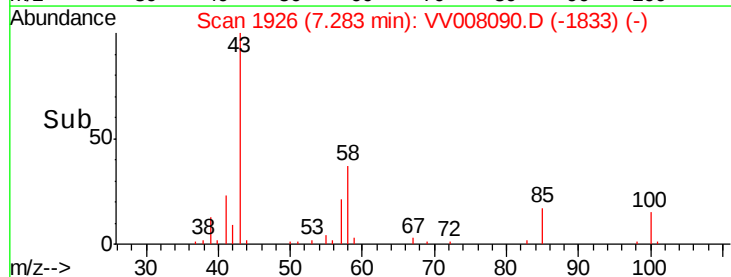
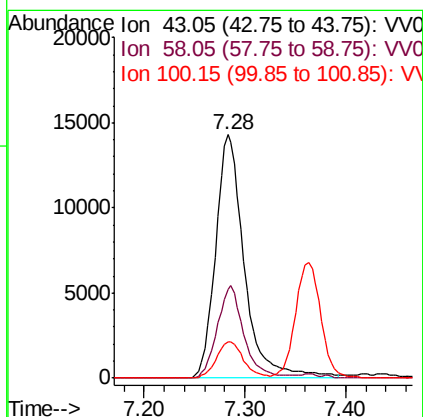
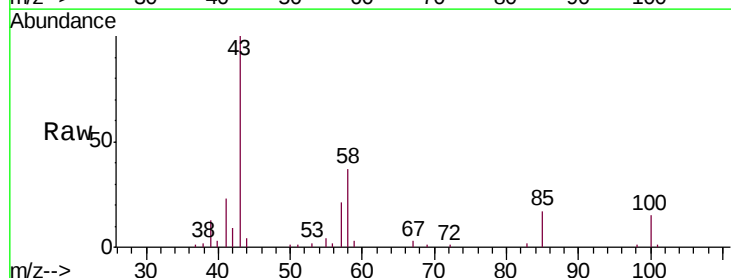
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

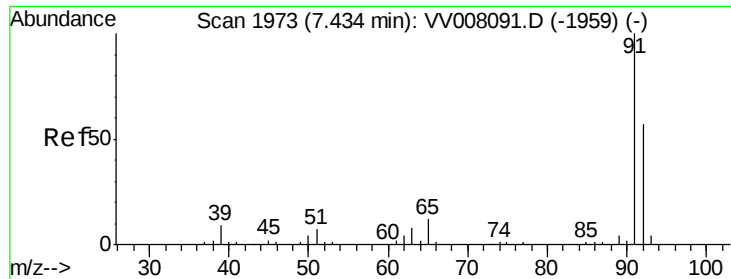
Tgt Ion: 75 Resp: 6299
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 8.032 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion: 43 Resp: 28313
 Ion Ratio Lower Upper
 43 100
 58 34.7 29.8 44.8
 100 14.1 11.6 17.4





#42

Toluene

Concen: 0.816 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

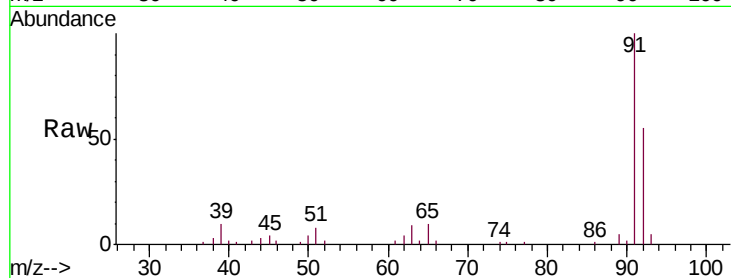
VSTD00170

Tgt Ion: 91 Resp: 19541

Ion Ratio Lower Upper

91 100

92 55.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008091.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008091.D (-1959) (-)

7.43

12000

10000

8000

6000

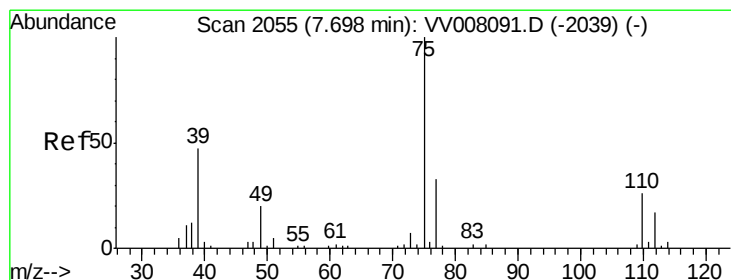
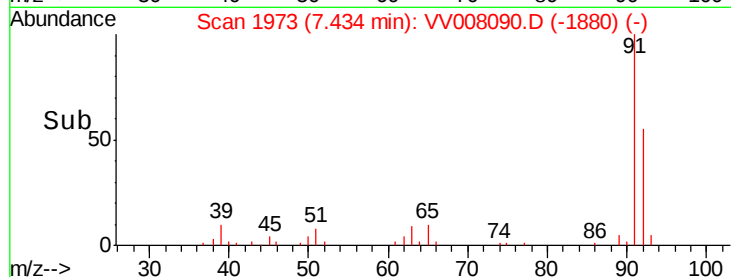
4000

2000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 0.802 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV008090.D

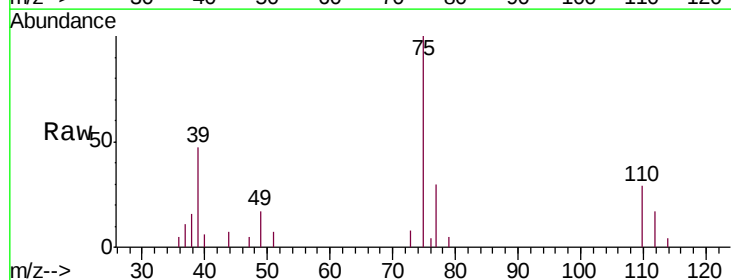
Acq: 05 Oct 2018 11:21

Tgt Ion: 75 Resp: 5012

Ion Ratio Lower Upper

75 100

77 30.5 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008091.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV008091.D (-2039) (-)

7.70

3000

2500

2000

1500

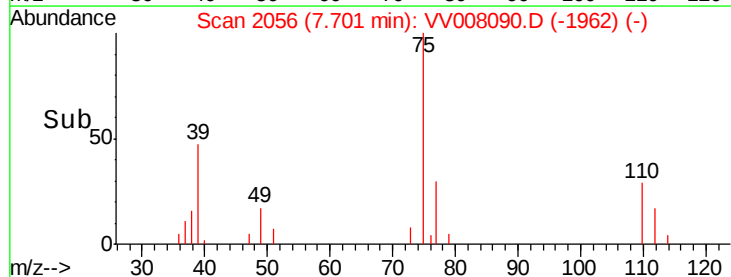
1000

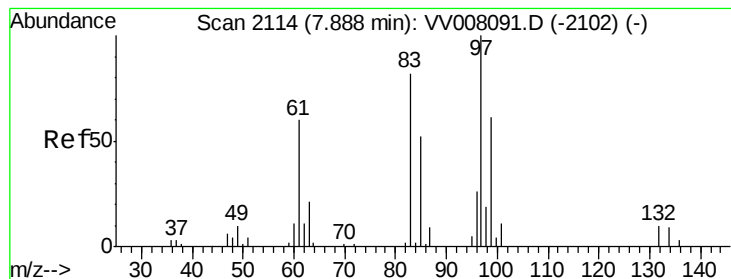
500

0

Time-->

7.65 7.70 7.75





#45

1,1,2-Trichloroethane

Concen: 0.874 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

Tgt Ion: 97 Resp: 3597

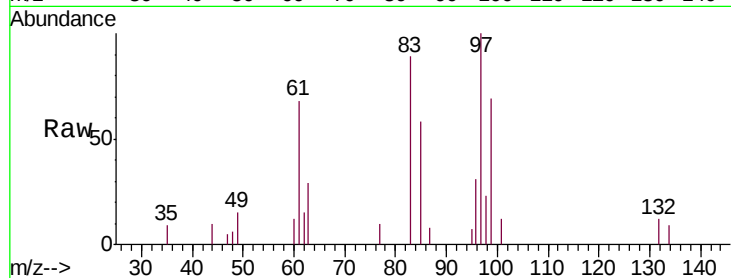
Ion Ratio Lower Upper

97 100

99 69.1 42.6 79.0

83 89.0 57.5 106.7

85 57.8 36.5 67.7



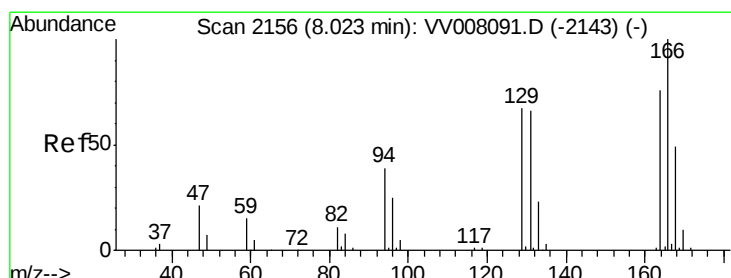
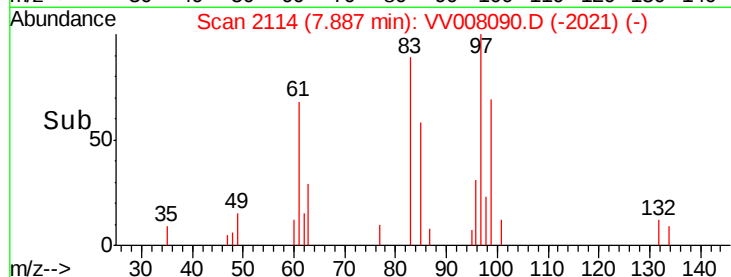
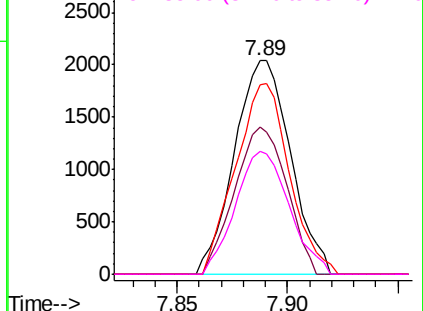
Abundance

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: 0.882 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Tgt Ion: 164 Resp: 5120

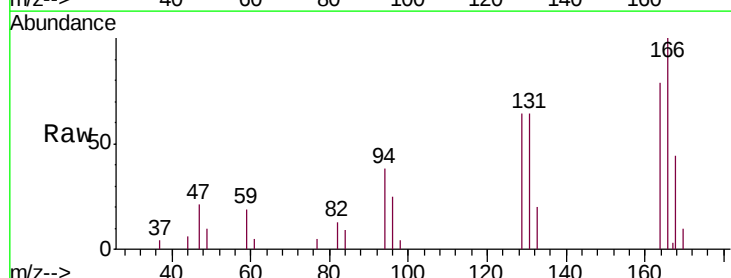
Ion Ratio Lower Upper

164 100

129 81.1 62.2 115.4

131 80.7 60.5 112.5

166 126.2 92.1 171.1



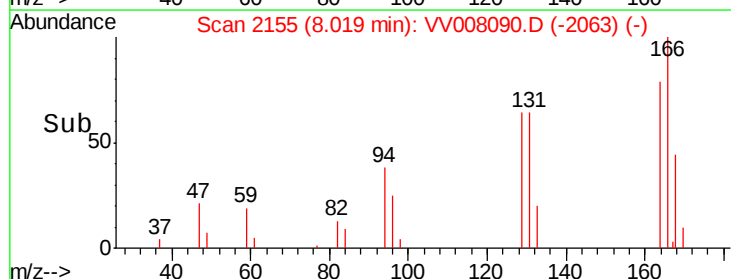
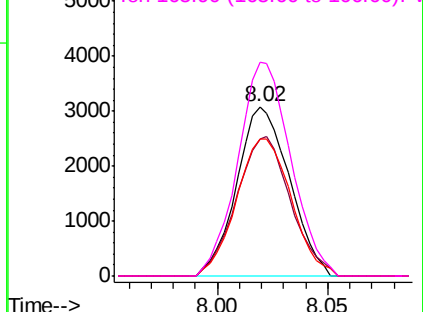
Abundance

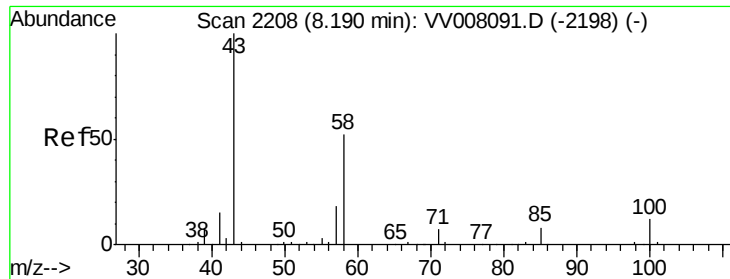
Ion 163.90 (163.60 to 164.60): V

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

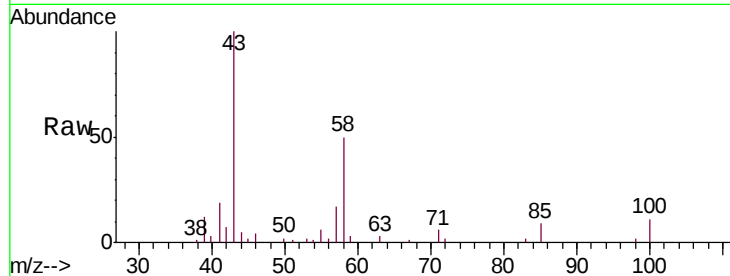




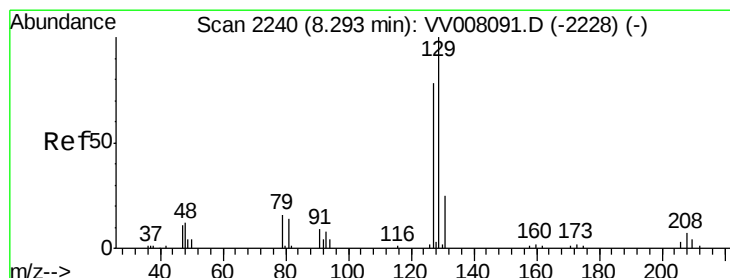
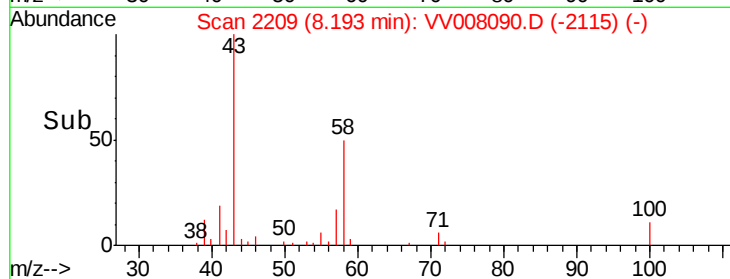
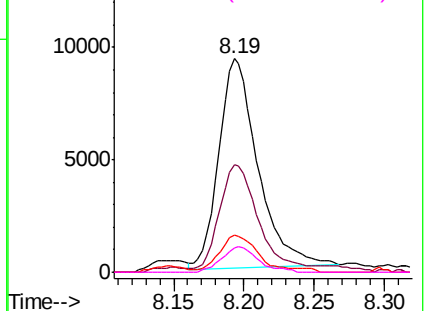
#48
2-Hexanone
Concen: 7.367 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

Tgt Ion:	43	Resp:	18056
Ion	Ratio	Lower	Upper
43	100		
58	49.2	40.5	60.7
57	17.4	14.6	22.0
100	11.3	9.3	13.9

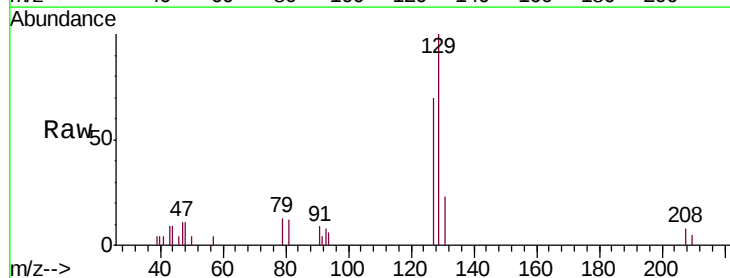


Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV008091.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV008091.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV008091.D (-2198) (-)

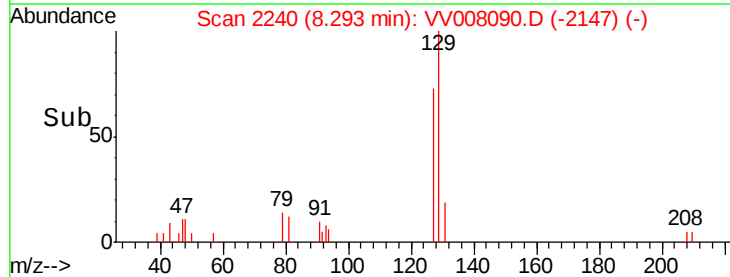
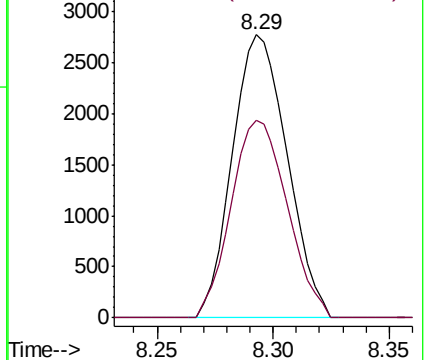


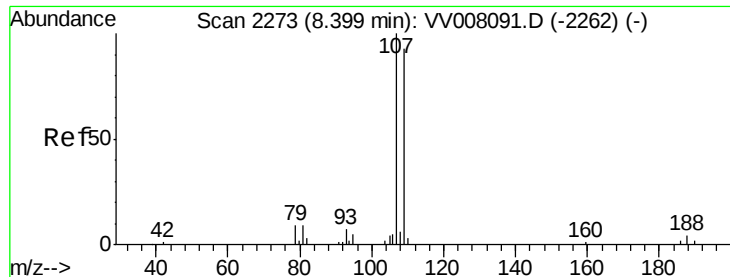
#49
Dibromochloromethane
Concen: 0.963 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Tgt Ion:	129	Resp:	4549
Ion	Ratio	Lower	Upper
129	100		
127	69.6	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV008091.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV008091.D (-2228) (-)

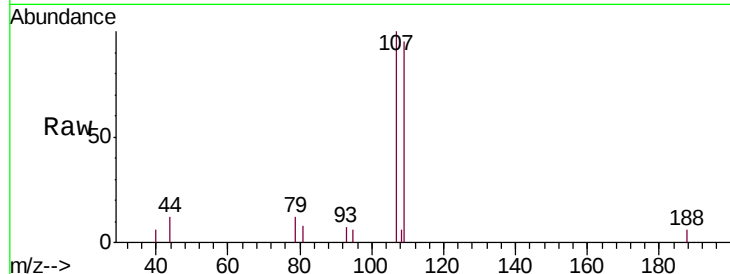




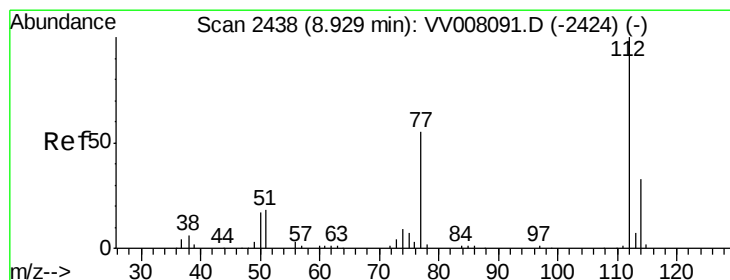
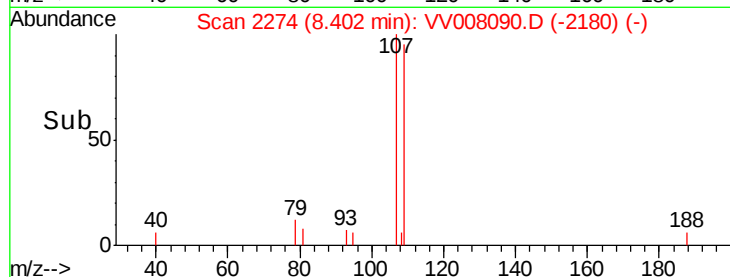
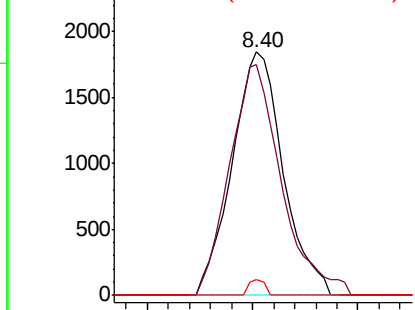
#50
1,2-Dibromoethane
Concen: 0.832 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00170

Tgt Ion:107 Resp: 3098
Ion Ratio Lower Upper
107 100
109 94.8 65.5 121.6
188 6.4 3.5 5.3#

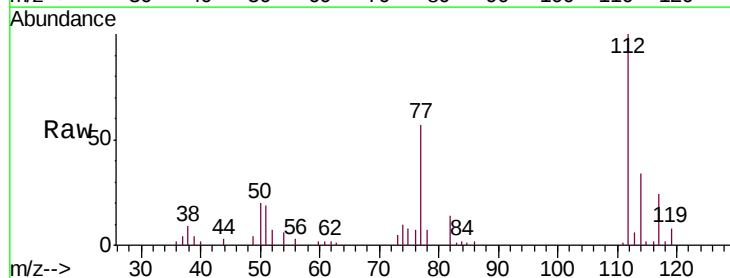


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

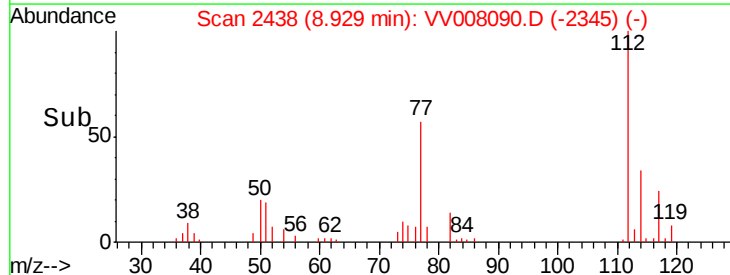
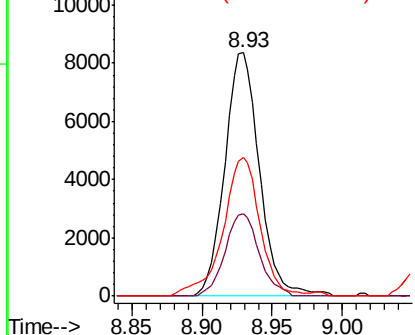


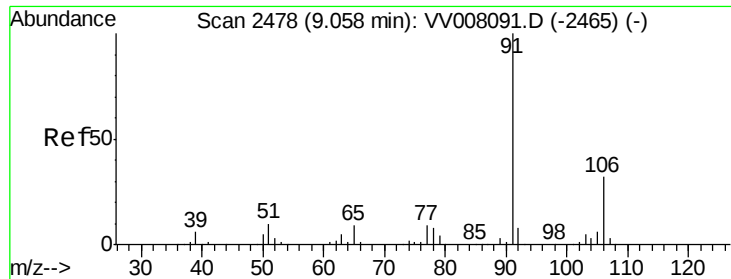
#51
Chlorobenzene
Concen: 0.867 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008090.D
Acq: 05 Oct 2018 11:21

Tgt Ion:112 Resp: 14362
Ion Ratio Lower Upper
112 100
114 33.9 22.8 42.4
77 56.9 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.780 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

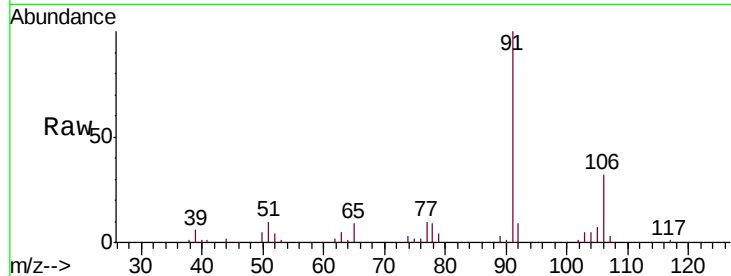
VSTD00170

Tgt Ion: 91 Resp: 20704

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008091.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV008091.D (-2465) (-)

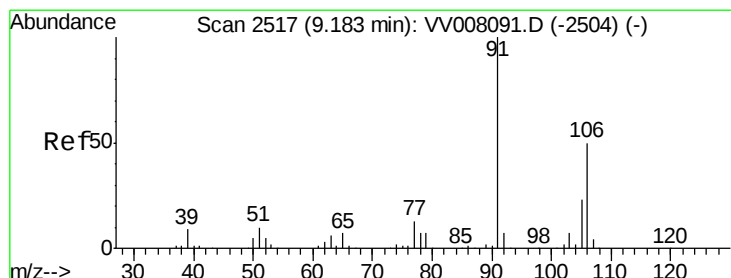
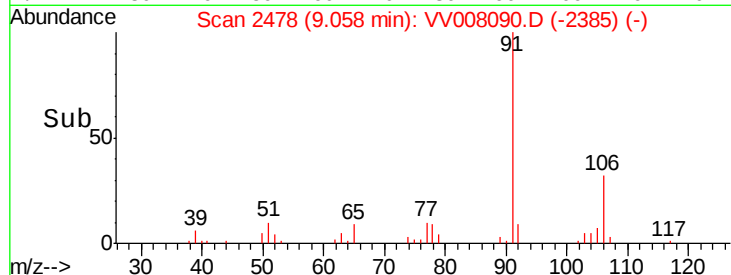
9.06

10000

5000

0

Time-->



#53

m,p-xylene

Concen: 0.747 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008090.D

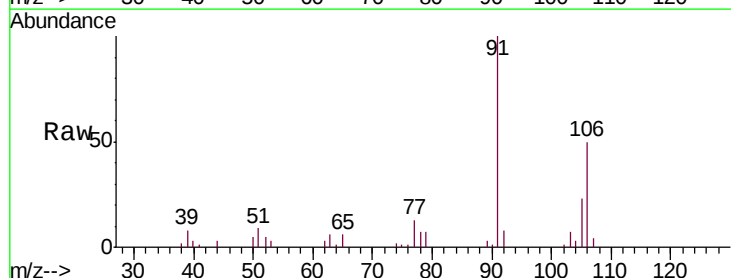
Acq: 05 Oct 2018 11:21

Tgt Ion: 106 Resp: 7583

Ion Ratio Lower Upper

106 100

91 200.4 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008091.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008091.D (-2504) (-)

9.19

10000

8000

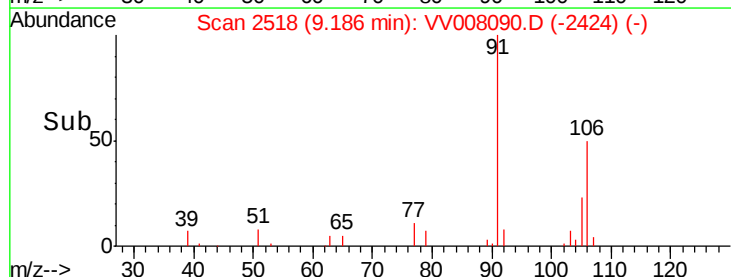
6000

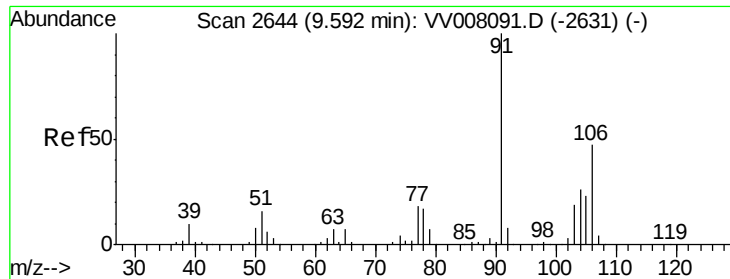
4000

2000

0

Time-->





#54

o-xylene

Concen: 0.744 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampled :

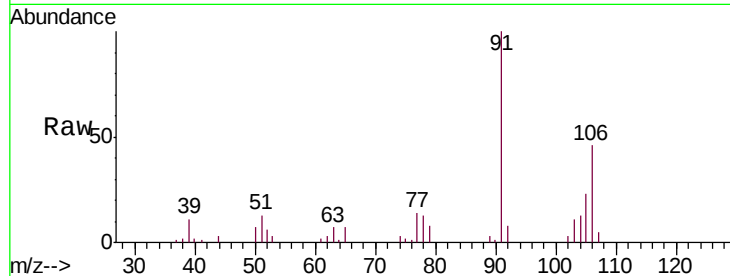
VSTD00170

Tgt Ion:106 Resp: 7260

Ion Ratio Lower Upper

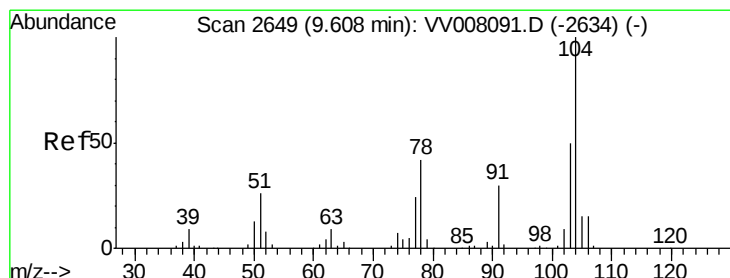
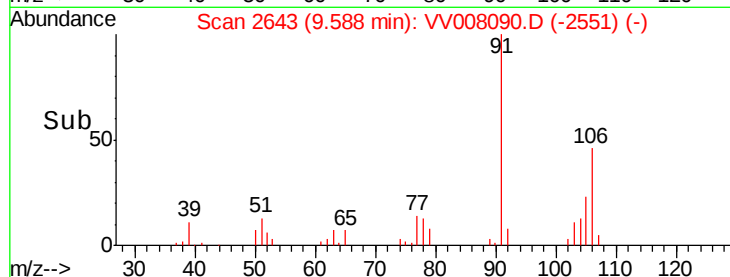
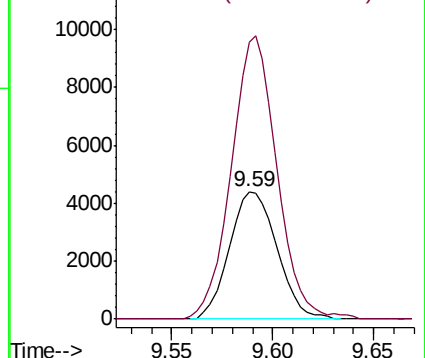
106 100

91 216.7 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.697 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008090.D

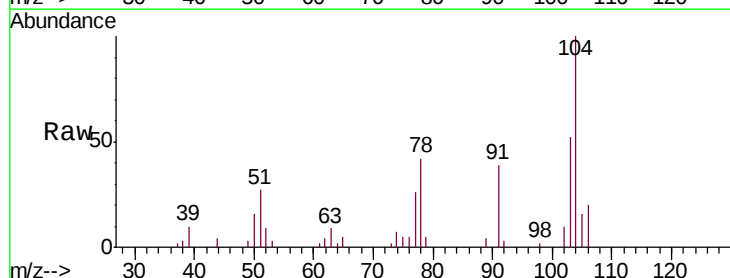
Acq: 05 Oct 2018 11:21

Tgt Ion:104 Resp: 11644

Ion Ratio Lower Upper

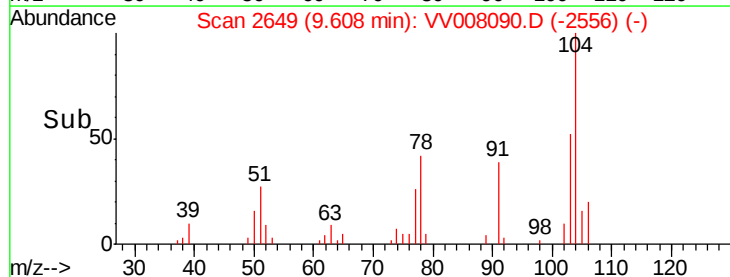
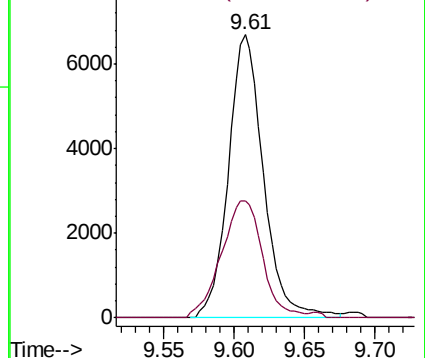
104 100

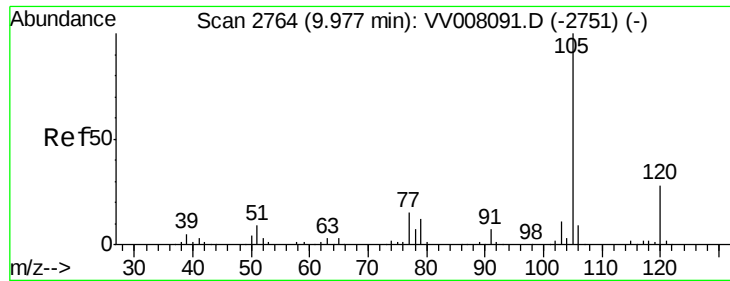
78 41.5 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.738 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

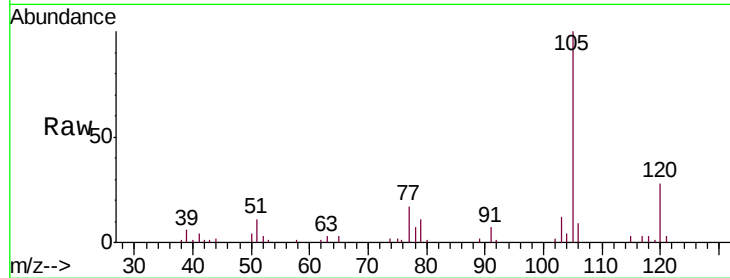
Tgt Ion:105 Resp: 19513

Ion Ratio Lower Upper

105 100

120 28.1 21.9 32.9

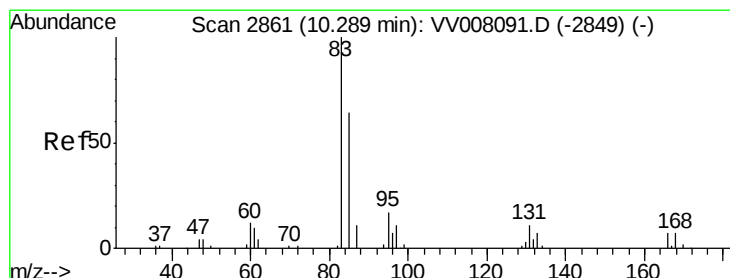
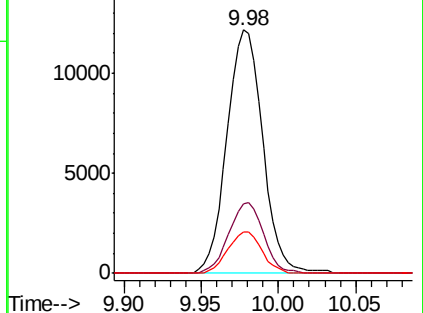
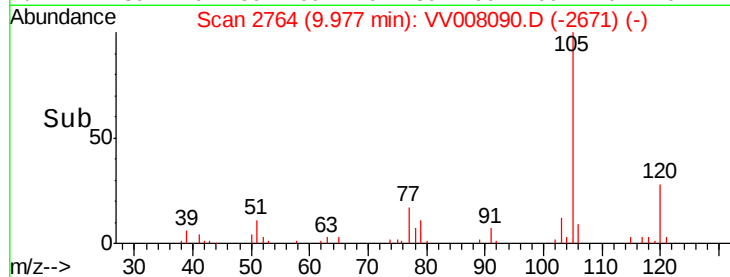
77 16.2 12.2 18.4



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: 0.868 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

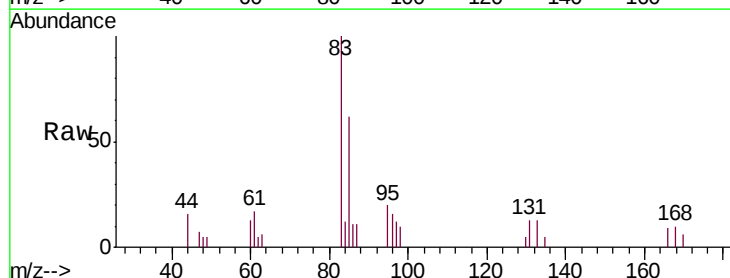
Tgt Ion: 83 Resp: 4164

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7

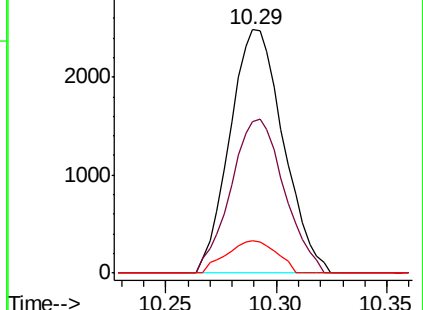
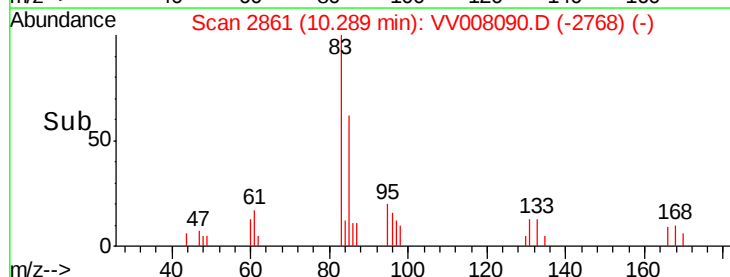
131 13.3 8.8 13.2#

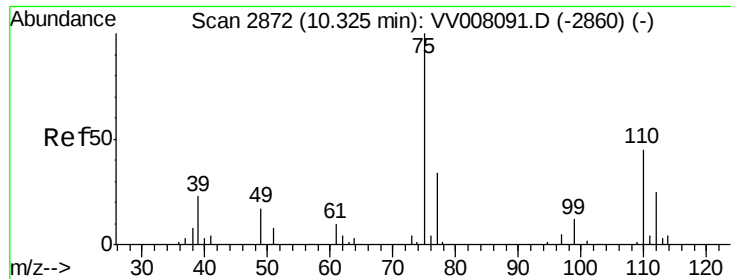


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

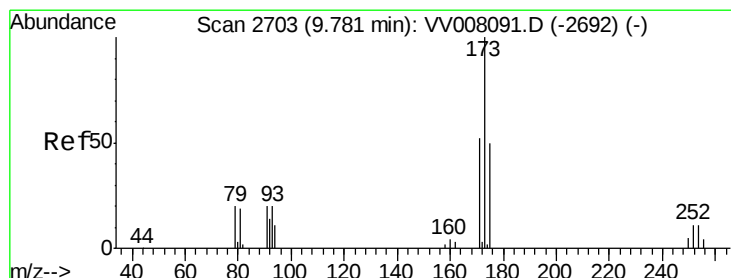
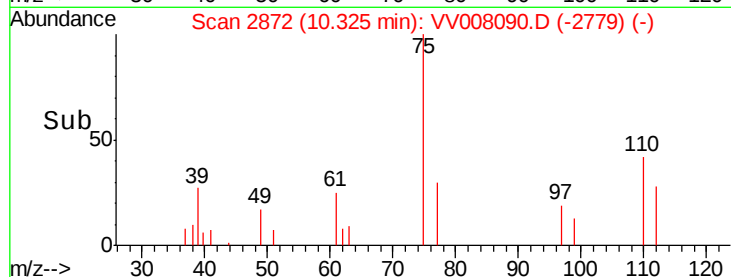
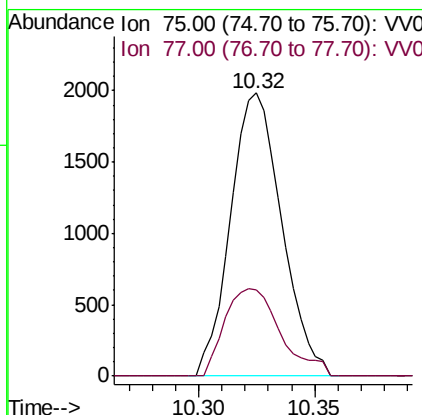
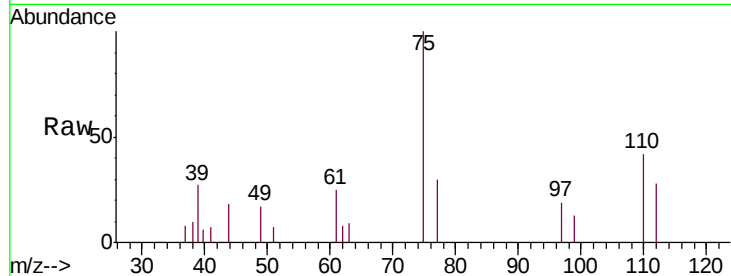




#59
 1,2,3-Trichloropropane
 Concen: 0.866 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

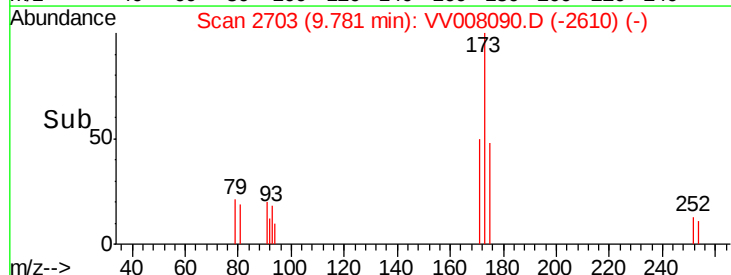
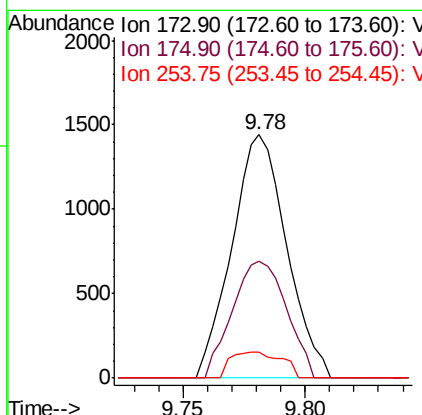
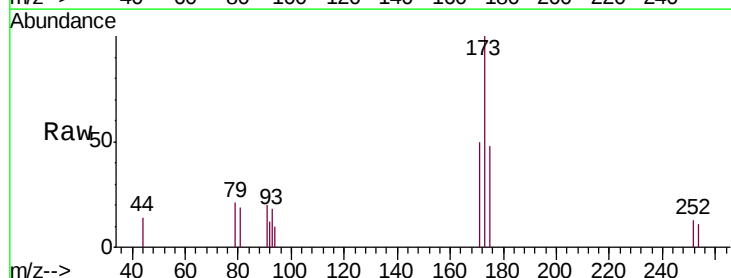
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00170

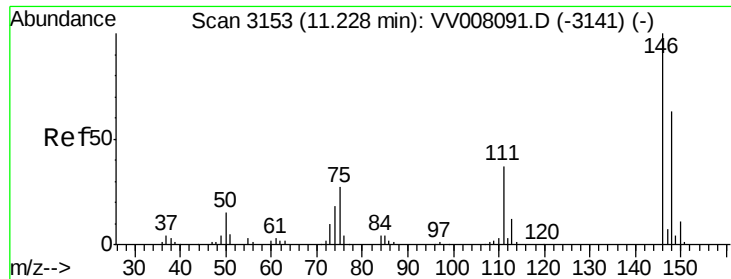
Tgt Ion: 75 Resp: 3038
 Ion Ratio Lower Upper
 75 100
 77 33.8 27.8 41.6



#61
 Bromoform
 Concen: 0.969 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion: 173 Resp: 2241
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.8 59.8
 254 10.1 9.4 14.0

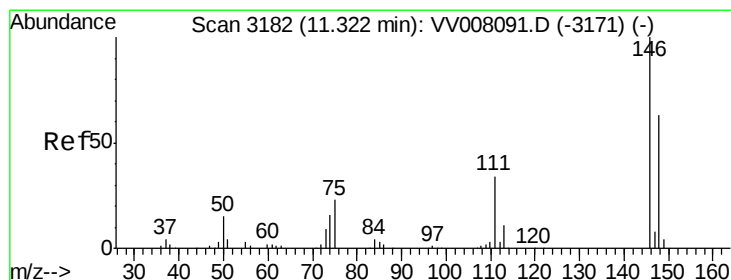
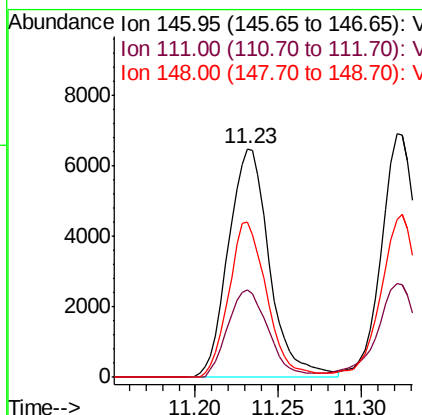
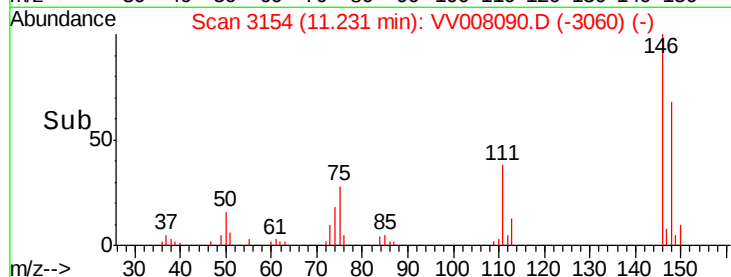
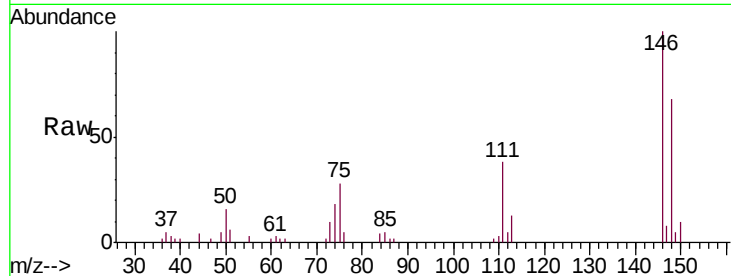




#62
 1,3-Dichlorobenzene
 Concen: 0.912 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

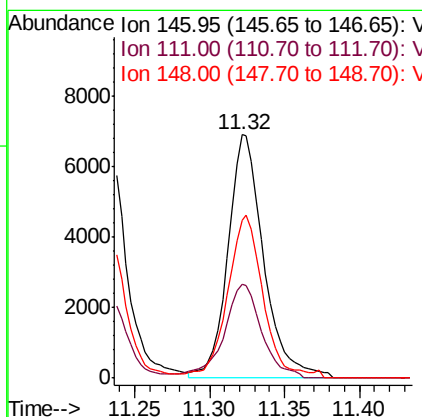
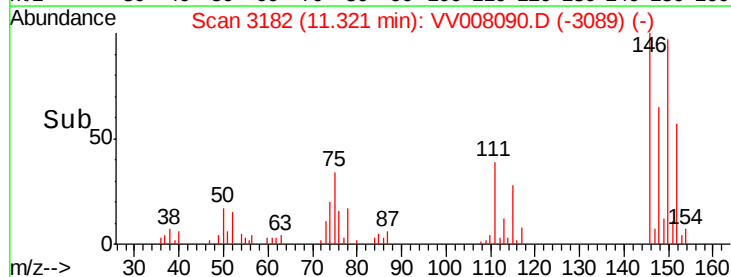
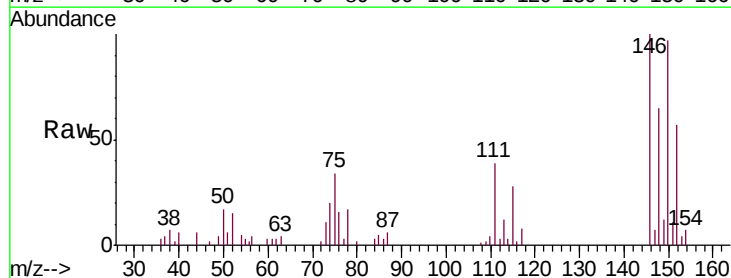
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00170

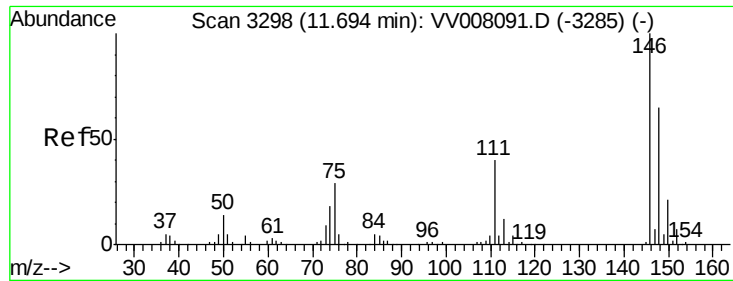
Tgt Ion:146 Resp: 11169
 Ion Ratio Lower Upper
 146 100
 111 38.2 25.8 48.0
 148 68.2 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 0.899 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion:146 Resp: 11471
 Ion Ratio Lower Upper
 146 100
 111 38.5 24.2 45.0
 148 65.0 44.0 81.6

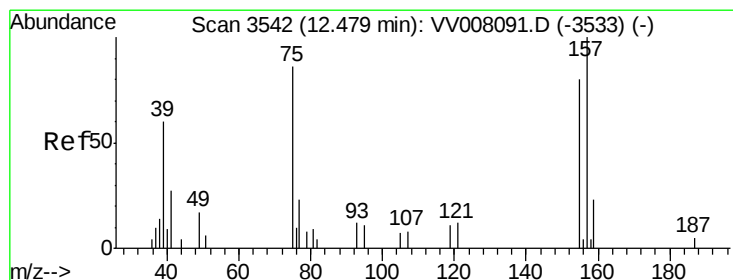
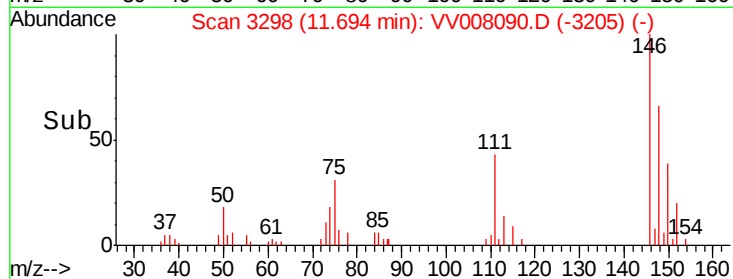
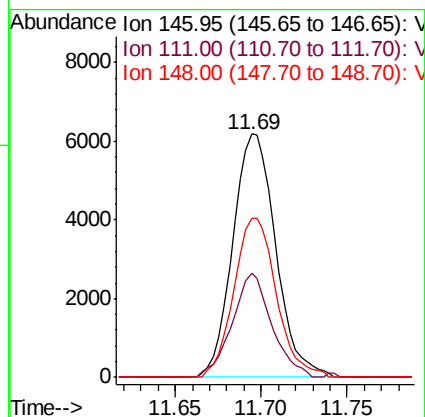
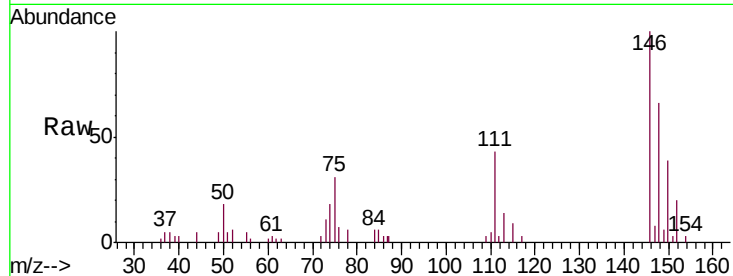




#65
 1,2-Dichlorobenzene
 Concen: 0.929 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

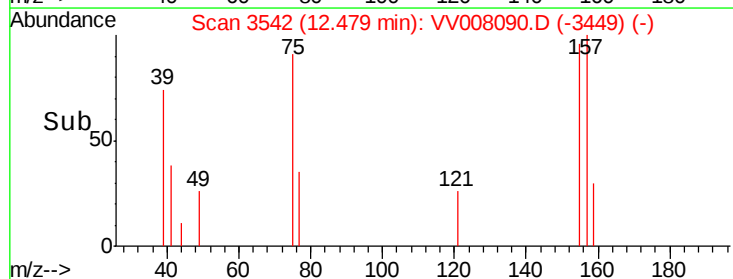
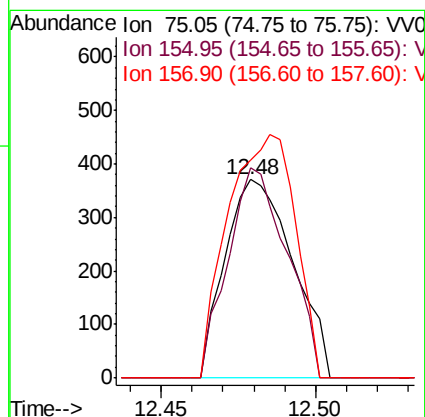
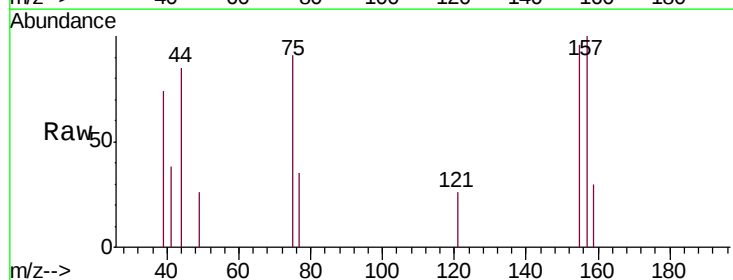
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00170

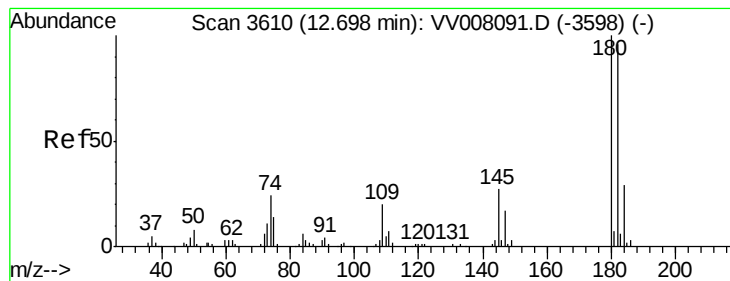
Tgt Ion: 146 Resp: 10776
 Ion Ratio Lower Upper
 146 100
 111 42.8 31.8 47.6
 148 65.6 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.949 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008090.D
 Acq: 05 Oct 2018 11:21

Tgt Ion: 75 Resp: 566
 Ion Ratio Lower Upper
 75 100
 155 105.7 74.7 112.1
 157 109.7 93.1 139.7





#67

1,3,5-Trichlorobenzene

Concen: 0.910 ug/L

RT: 12.70 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

Tgt Ion:180 Resp: 9558

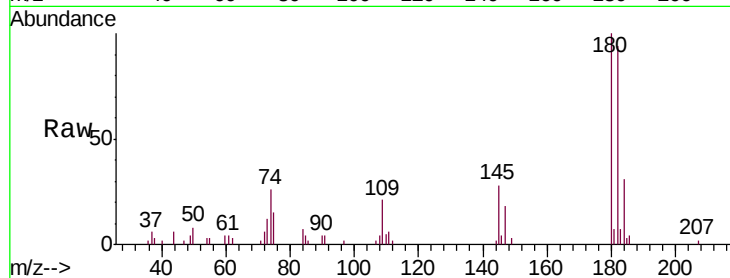
Ion Ratio Lower Upper

180 100

182 98.4 77.0 115.6

184 28.9 24.2 36.2

145 26.7 22.2 33.2

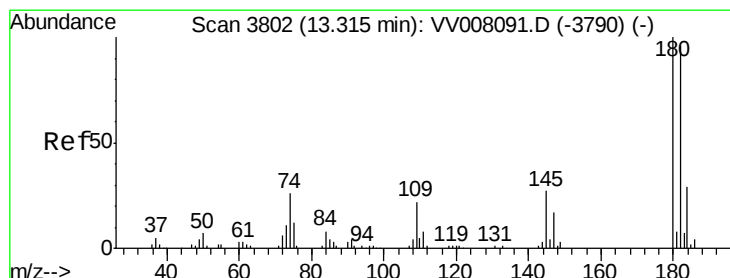
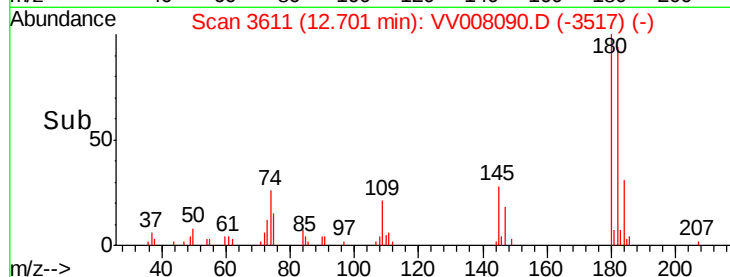
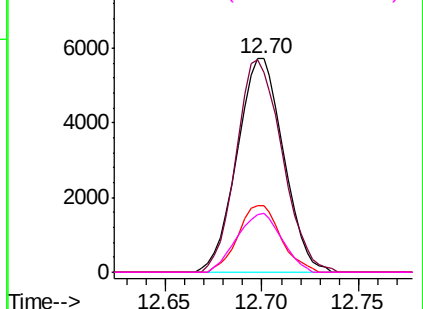


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.744 ug/L

RT: 13.32 min Scan# 3803

Delta R.T. 0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

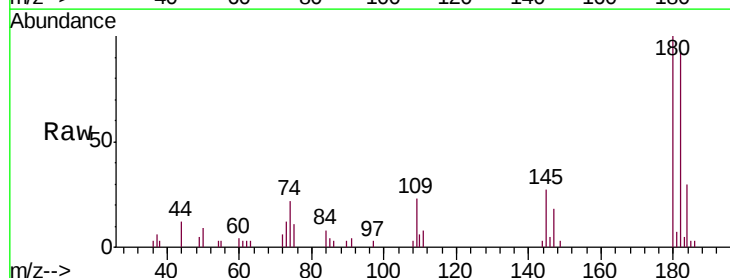
Tgt Ion:180 Resp: 6534

Ion Ratio Lower Upper

180 100

182 91.2 76.6 114.8

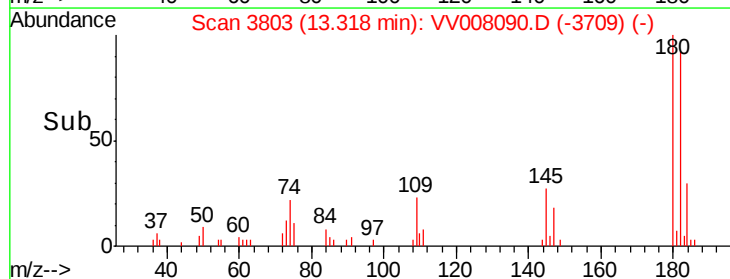
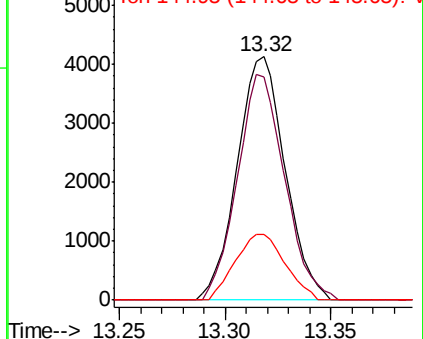
145 27.9 22.1 33.1

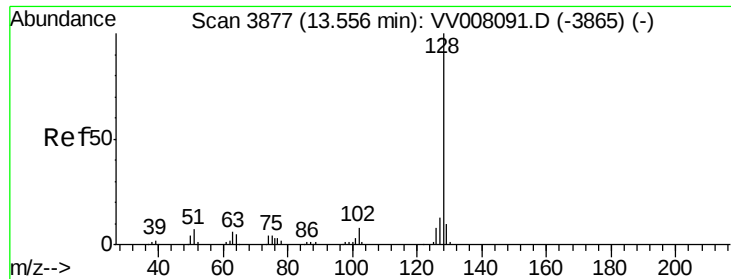


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.563 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00170

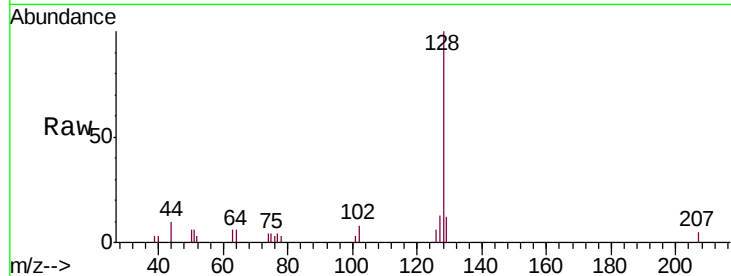
Tgt Ion:128 Resp: 6757

Ion Ratio Lower Upper

128 100

129 11.5 8.5 12.7

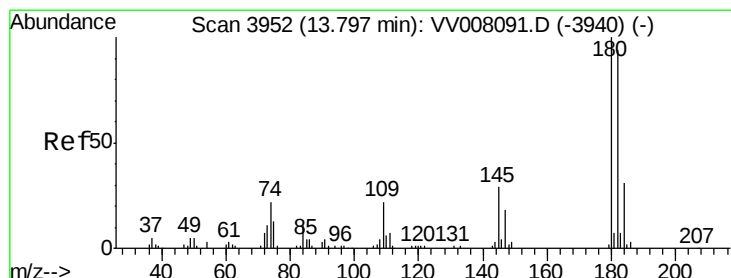
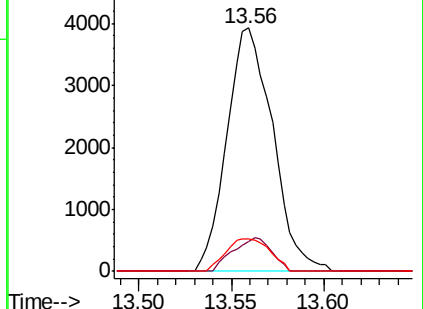
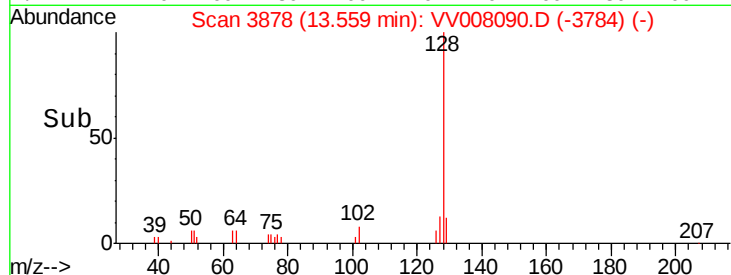
127 12.8 10.2 15.2



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: 0.762 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008090.D

Acq: 05 Oct 2018 11:21

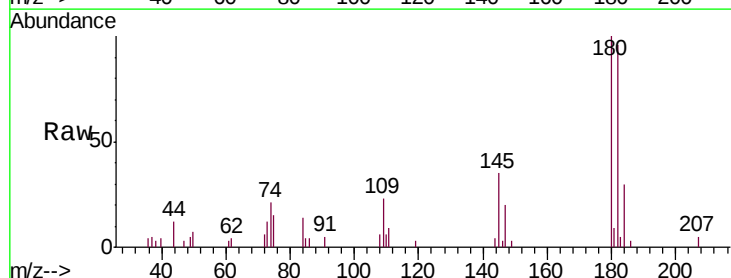
Tgt Ion:180 Resp: 6068

Ion Ratio Lower Upper

180 100

182 96.0 75.1 112.7

145 29.4 23.2 34.8



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

