

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062518\
 Data File : VV006426.D
 Acq On : 25 Jun 2018 11:18
 Operator : SY/MD
 Sample : VSTD00181
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00181

Quant Time: Jun 26 06:01:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 26 06:00:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	345543	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	311467	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	140505	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23248	1.02	ug/L	0.00
7) Chloroethane-d5	1.59	69	18515	1.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	41283	1.03	ug/L	0.00
20) 2-Butanone-d5	3.96	46	35978	8.67	ug/L	-0.01
24) Chloroform-d	4.41	84	39058	1.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	18464	1.02	ug/L	0.00
32) Benzene-d6	5.11	84	81448	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	24254	1.00	ug/L	0.00
41) Toluene-d8	7.37	98	76585	1.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	8412	0.95	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	29959	8.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	13965	0.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	26776	1.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25473	1.006 ug/L	99
3) Chloromethane	1.26	50	25853	0.996 ug/L	97
5) Vinyl chloride	1.32	62	28141	0.998 ug/L	97
6) Bromomethane	1.54	94	16381	1.003 ug/L	95
8) Chloroethane	1.60	64	18581	1.039 ug/L	95
9) Trichlorofluoromethane	1.77	101	35012	1.033 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	21761	1.022 ug/L	99
12) 1,1-Dichloroethene	2.15	96	21244	1.017 ug/L	98
13) Acetone	2.21	43	19836	7.601 ug/L	97
14) Carbon disulfide	2.32	76	57711	0.978 ug/L	100
15) Methyl Acetate	2.47	43	6706	0.873 ug/L	92
16) Methylene chloride	2.54	84	24638	1.007 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	50928	1.006 ug/L	99
18) trans-1,2-Dichloroethene	2.80	96	22676	0.991 ug/L	100
19) 1,1-Dichloroethane	3.23	63	40617	0.997 ug/L	97
21) 2-Butanone	4.05	43	36541	8.117 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	25025	0.995 ug/L	98
23) Bromochloromethane	4.31	128	9940	0.972 ug/L	98
25) Chloroform	4.44	83	41146	1.002 ug/L	97
27) 1,2-Dichloroethane	5.19	62	22863	0.991 ug/L	99
29) 1,1,1-Trichloroethane	4.67	97	33439	0.985 ug/L	100
30) Cyclohexane	4.73	56	33735	0.994 ug/L	99
31) Carbon tetrachloride	4.88	117	28002	0.983 ug/L	98
33) Benzene	5.15	78	92454	1.005 ug/L	100
34) Trichloroethene	5.97	95	26615	1.011 ug/L	97
35) Methylcyclohexane	6.18	83	36775	0.961 ug/L	98
37) 1,2-Dichloropropane	6.23	63	22481	1.000 ug/L	100
38) Bromodichloromethane	6.56	83	24096	0.931 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	28875	0.923 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	106546	9.741 ug/L	99

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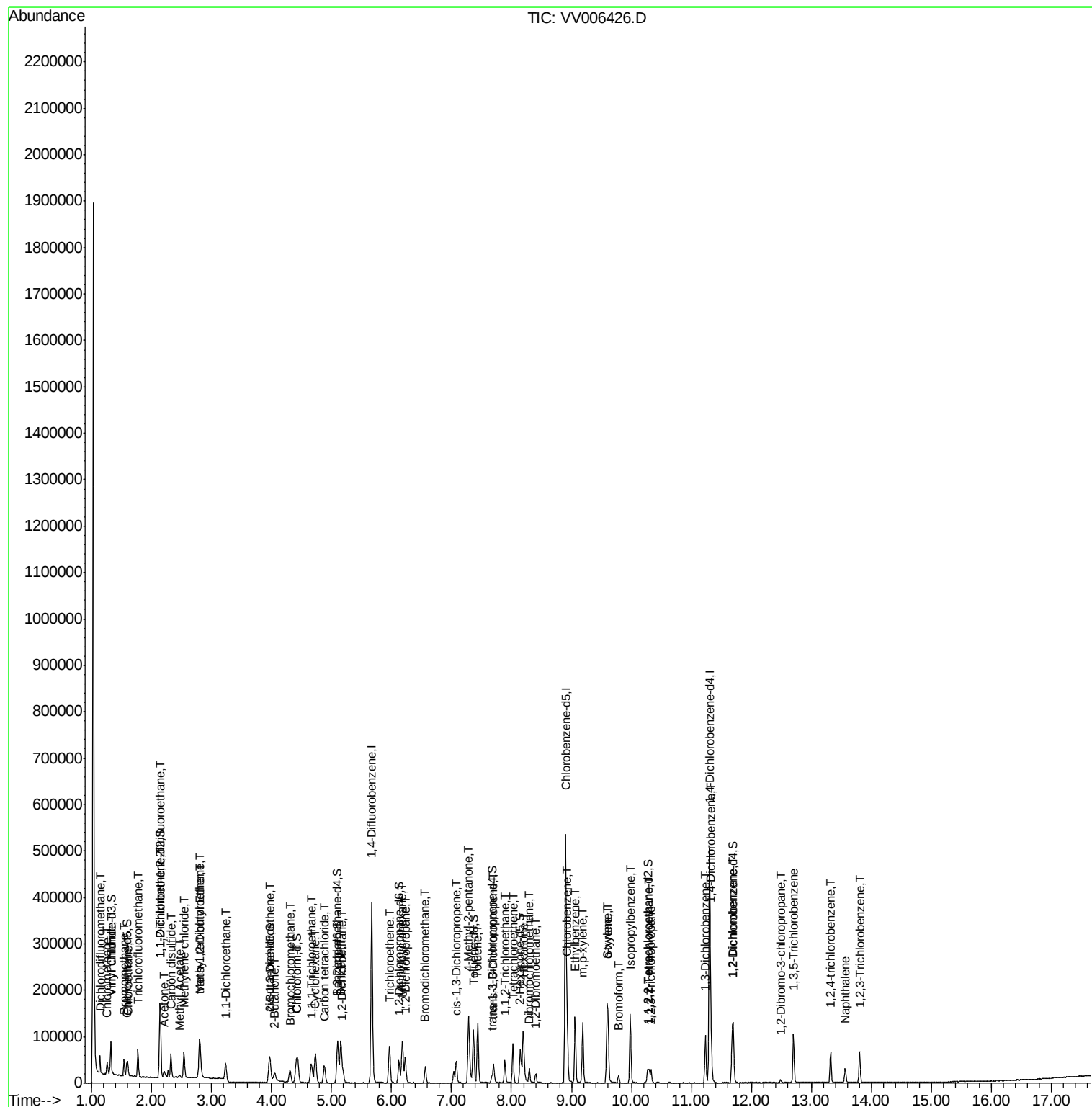
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	95700	0.982	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	22636	0.923	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	15658	1.009	ug/L	96
47) Tetrachloroethene	8.03	164	19807	0.996	ug/L	98
48) 2-Hexanone	8.20	43	76604	9.735	ug/L	99
49) Dibromochloromethane	8.30	129	15177	0.917	ug/L	95
50) 1,2-Dibromoethane	8.40	107	13689	0.981	ug/L	94
51) Chlorobenzene	8.93	112	63175	0.980	ug/L	98
52) Ethylbenzene	9.06	91	100701	0.955	ug/L	99
53) m,p-xylene	9.19	106	38490	0.946	ug/L	96
54) o-xylene	9.59	106	38098	0.955	ug/L	98
55) Styrene	9.61	104	60069	0.920	ug/L	99
56) Isopropylbenzene	9.98	105	97020	0.933	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	13912	0.950	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	12124	0.992	ug/L	97
61) Bromoform	9.78	173	7350	0.932	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	46697	1.009	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	46615	1.007	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	43855	1.012	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1498	0.814	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	34454	0.980	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	22426	0.870	ug/L	99
69) Naphthalene	13.56	128	28137	0.746	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	21687	0.903	ug/L	98

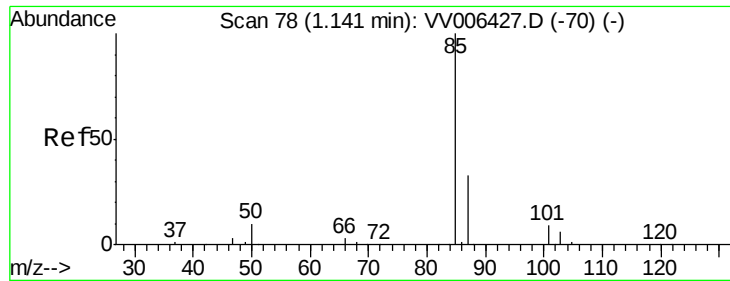
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.006 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

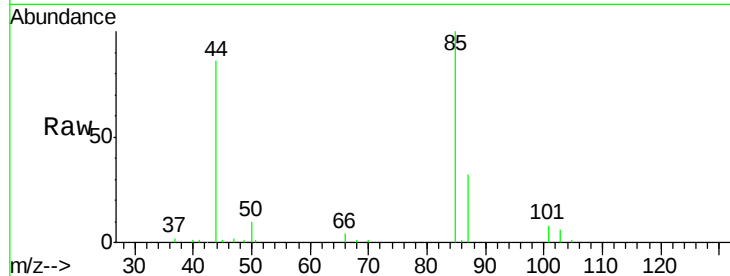
VSTD00181

Tgt Ion: 85 Resp: 25473

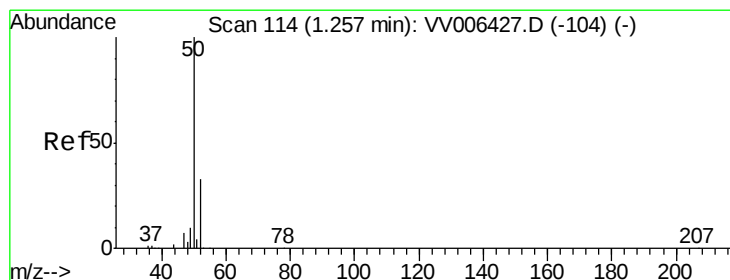
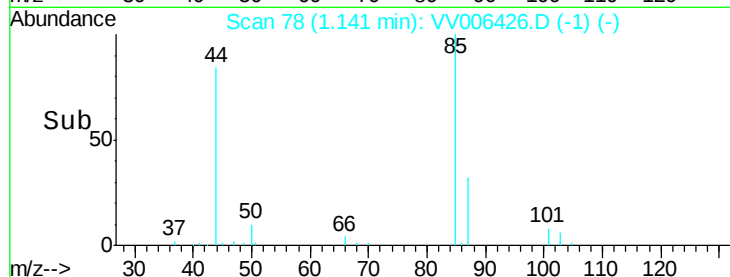
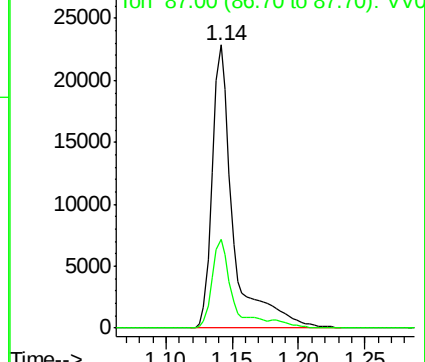
Ion Ratio Lower Upper

85 100

87 31.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006427.D (-70) (-)



#3

Chloromethane

Concen: 0.996 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006426.D

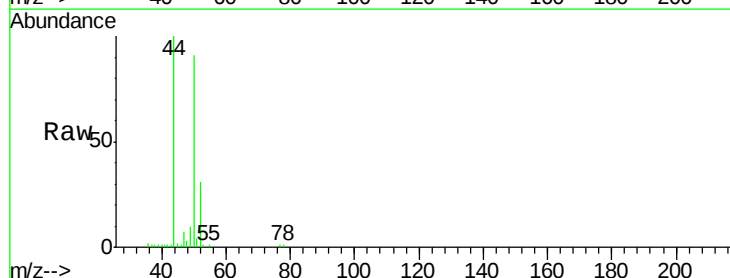
Acq: 25 Jun 2018 11:18

Tgt Ion: 50 Resp: 25853

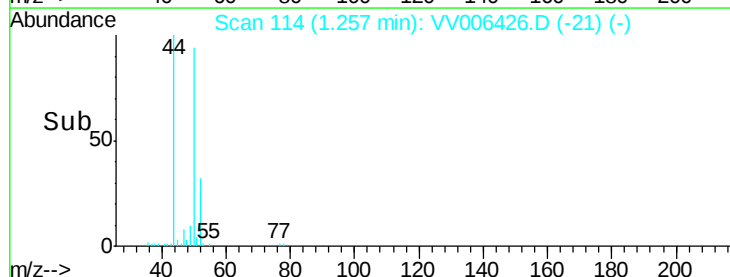
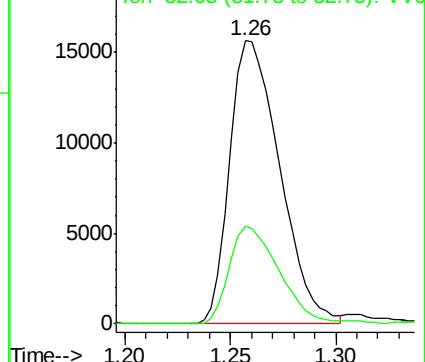
Ion Ratio Lower Upper

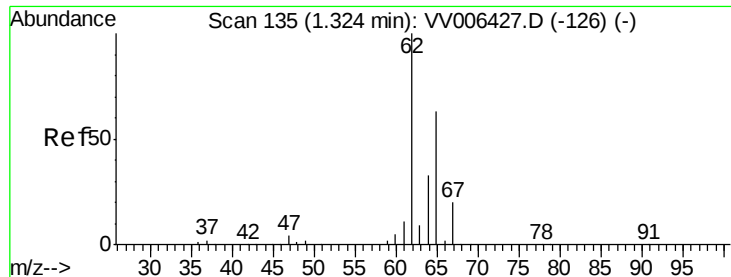
50 100

52 34.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006427.D (-104) (-)





#5

Vinyl chloride

Concen: 0.998 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

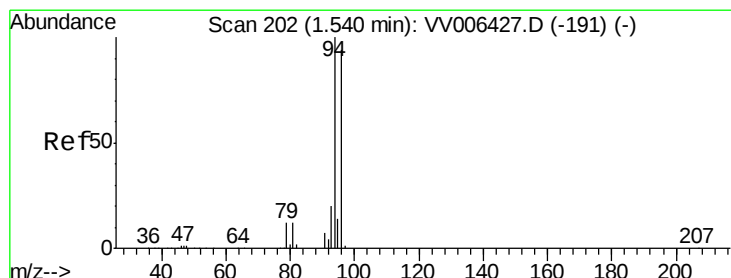
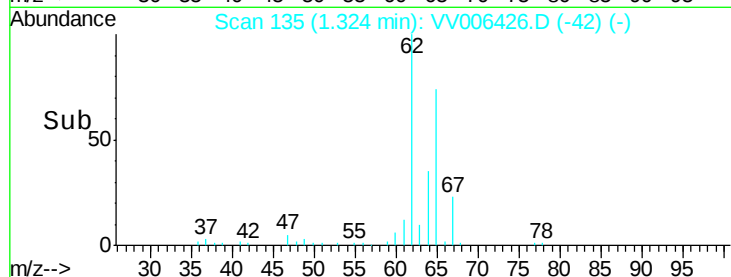
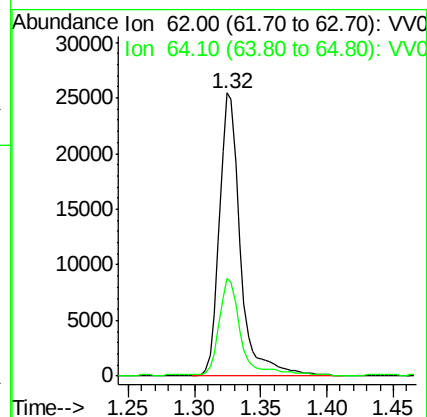
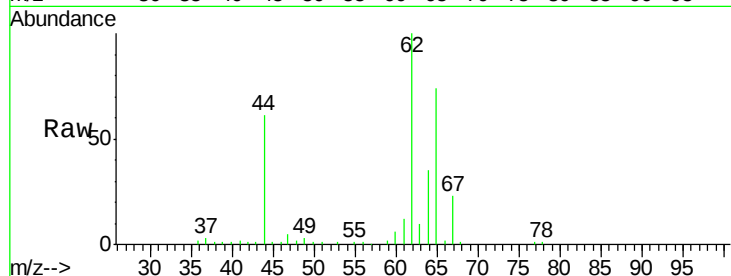
VSTD00181

Tgt Ion: 62 Resp: 28141

Ion Ratio Lower Upper

62 100

64 34.5 23.1 42.9



#6

Bromomethane

Concen: 1.003 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006426.D

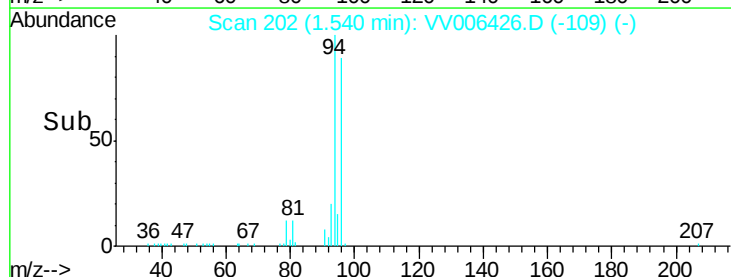
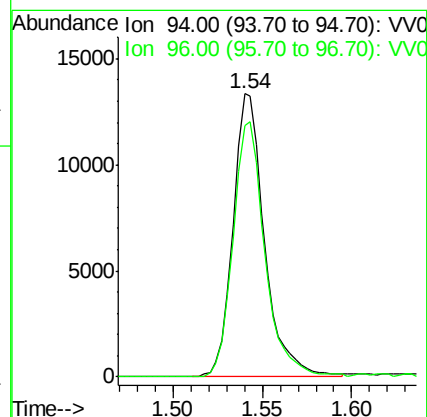
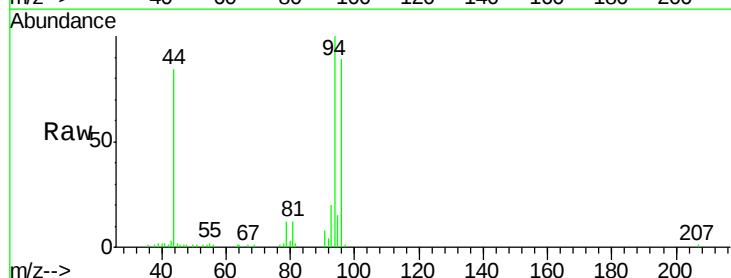
Acq: 25 Jun 2018 11:18

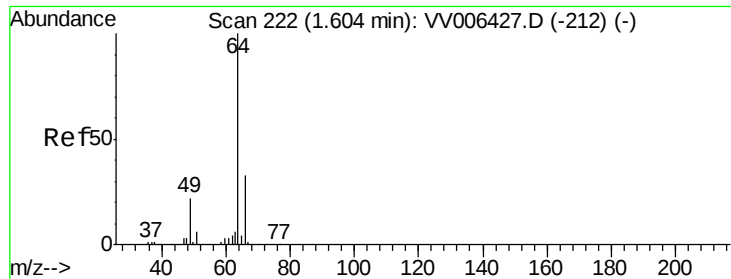
Tgt Ion: 94 Resp: 16381

Ion Ratio Lower Upper

94 100

96 88.8 65.7 122.1





#8

Chloroethane

Concen: 1.039 ug/L

RT: 1.60 min Scan# 222

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

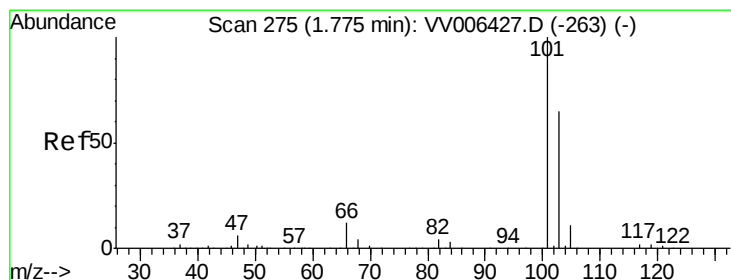
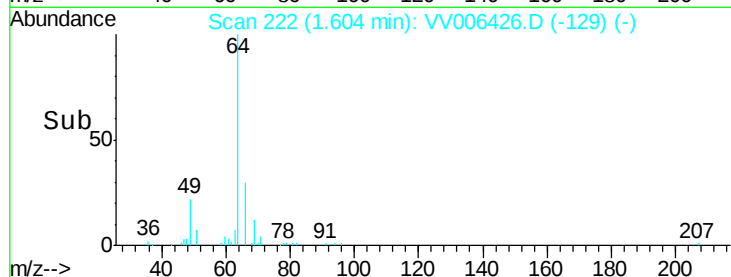
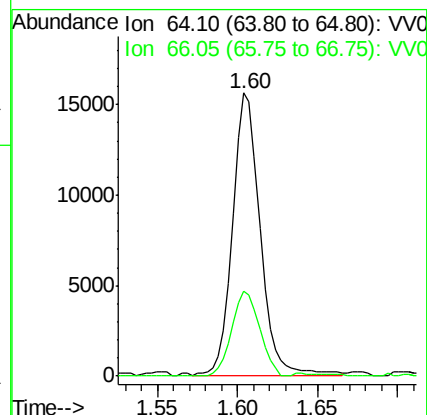
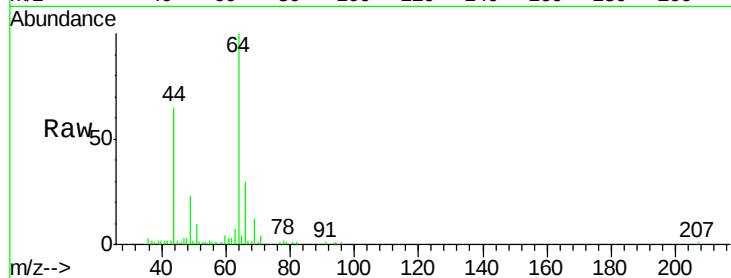
VSTD00181

Tgt Ion: 64 Resp: 18581

Ion Ratio Lower Upper

64 100

66 29.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 1.033 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006426.D

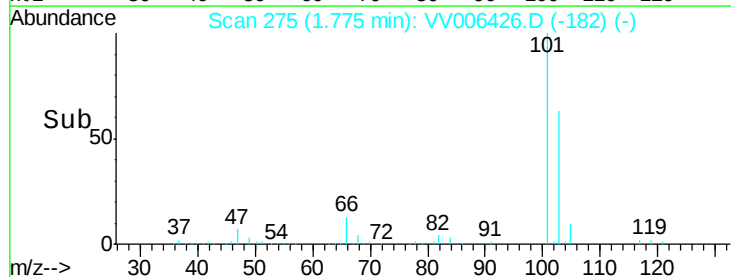
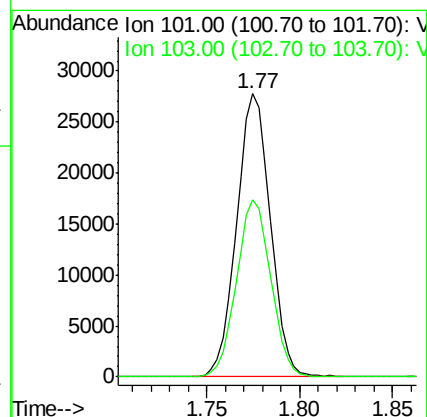
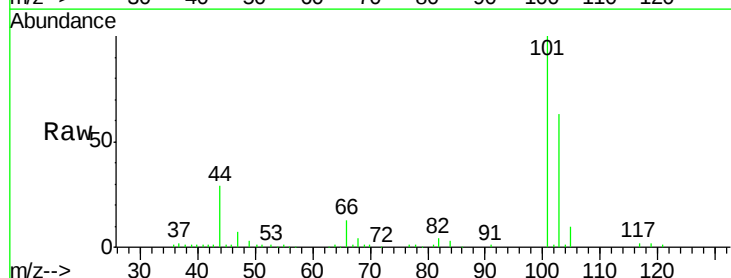
Acq: 25 Jun 2018 11:18

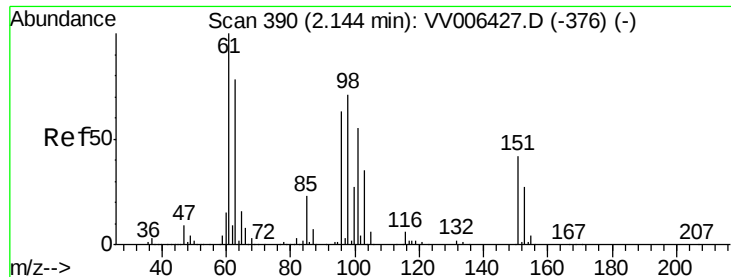
Tgt Ion: 101 Resp: 35012

Ion Ratio Lower Upper

101 100

103 63.7 51.5 77.3





#10

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

Concen: 1.022 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00181

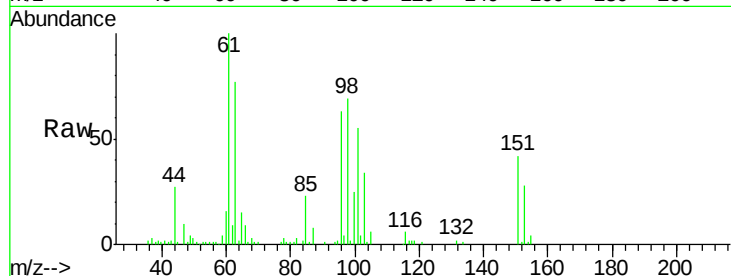
Tgt Ion:101 Resp: 21761

Ion Ratio Lower Upper

101 100

85 41.3 33.1 49.7

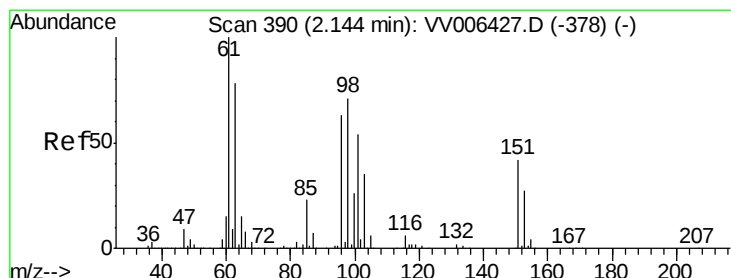
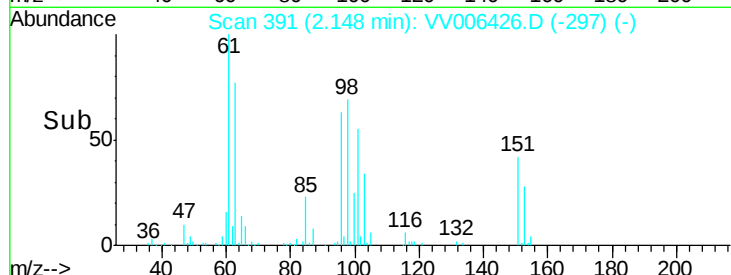
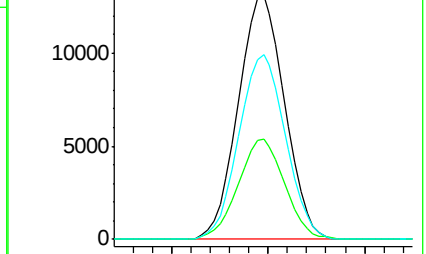
151 76.3 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006426.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV006426.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV006426.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 1.017 ug/L

RT: 2.15 min Scan# 391

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

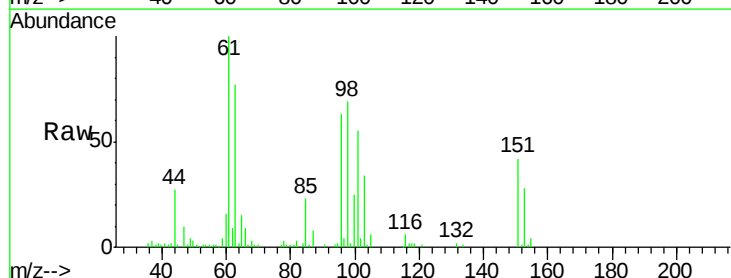
Tgt Ion: 96 Resp: 21244

Ion Ratio Lower Upper

96 100

61 157.6 111.4 207.0

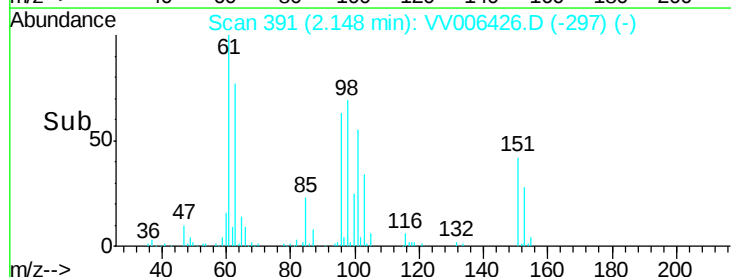
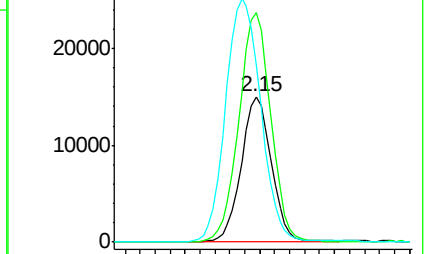
63 121.9 87.4 162.2

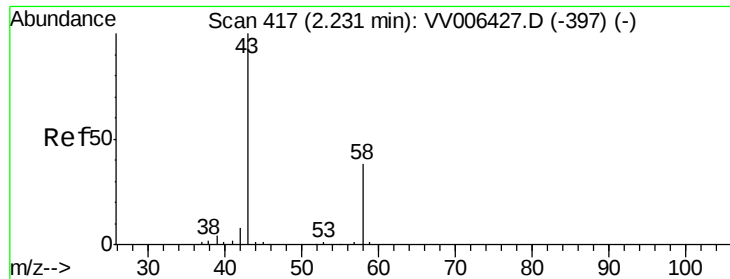


Abundance Ion 96.00 (95.70 to 96.70): VV006426.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006426.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006426.D (-297) (-)





#13

Acetone

Concen: 7.601 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.02 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampled :

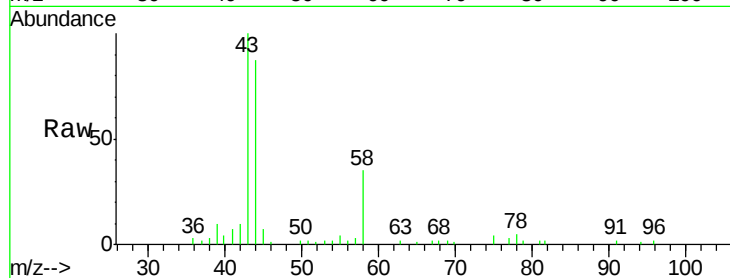
VSTD00181

Tgt Ion: 43 Resp: 19836

Ion Ratio Lower Upper

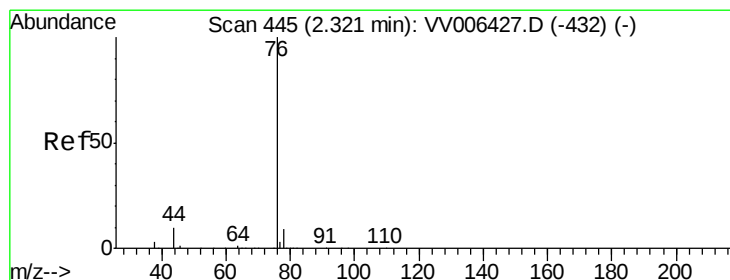
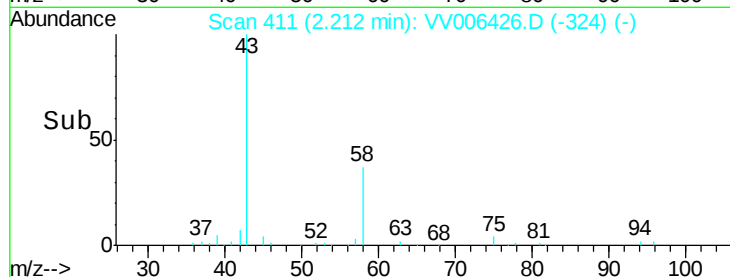
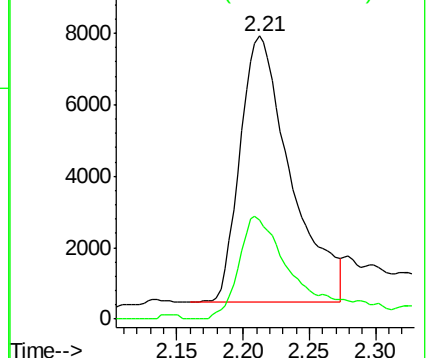
43 100

58 40.7 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV006427.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VV006427.D (-397) (-)



#14

Carbon disulfide

Concen: 0.978 ug/L

RT: 2.32 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV006426.D

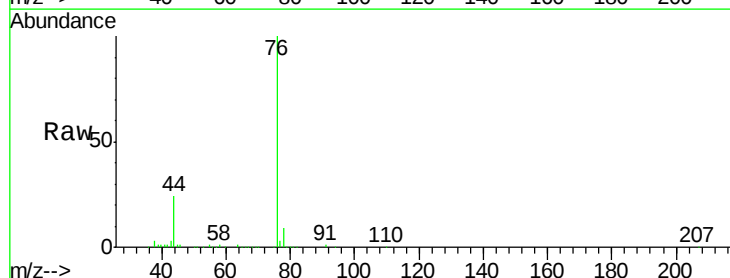
Acq: 25 Jun 2018 11:18

Tgt Ion: 76 Resp: 57711

Ion Ratio Lower Upper

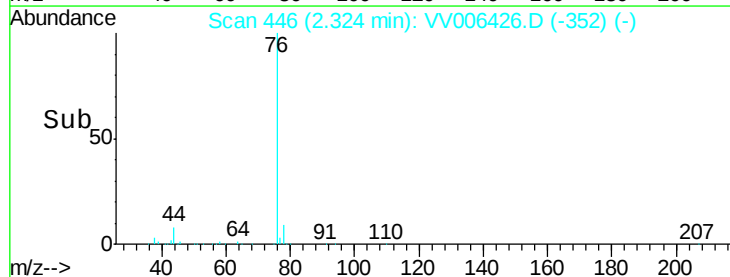
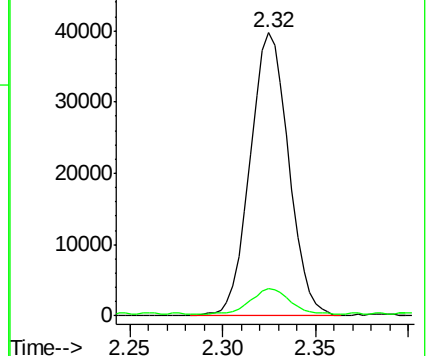
76 100

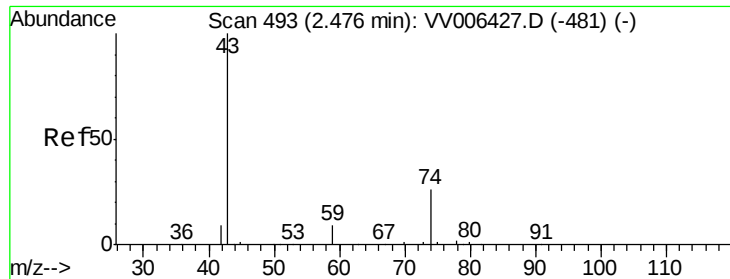
78 9.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV006427.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006427.D (-432) (-)

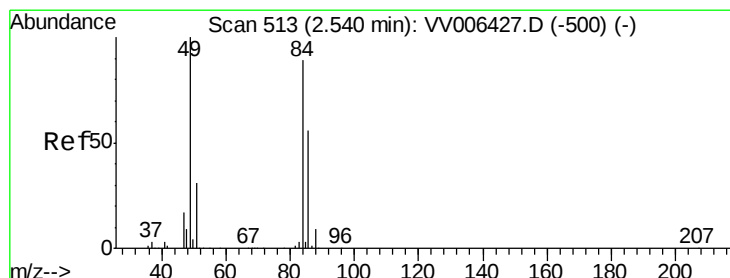
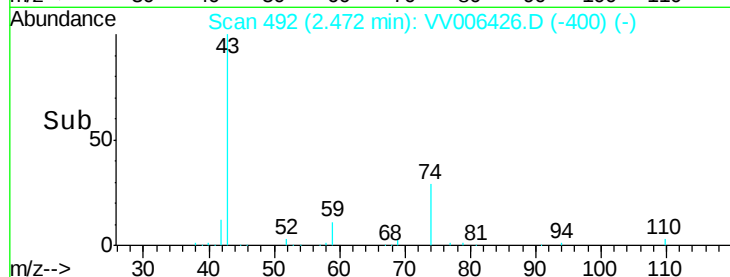
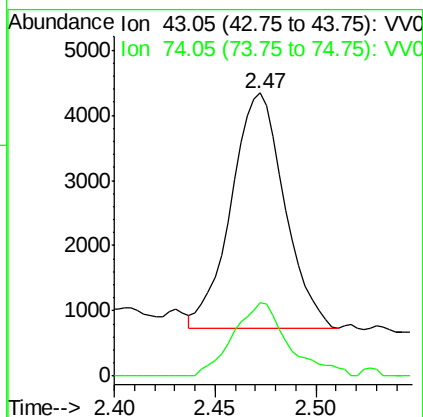
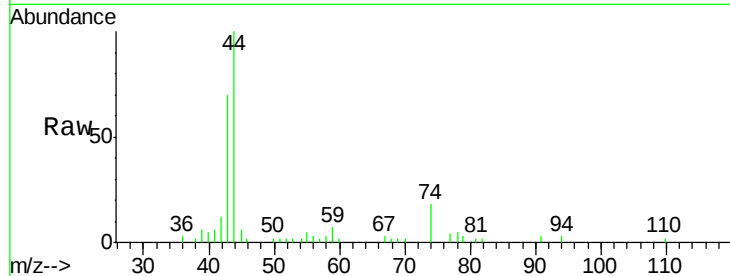




#15
Methyl Acetate
Concen: 0.873 ug/L
RT: 2.47 min Scan# 492
Delta R.T. -0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

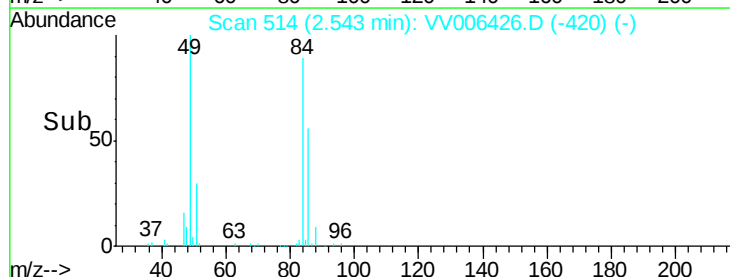
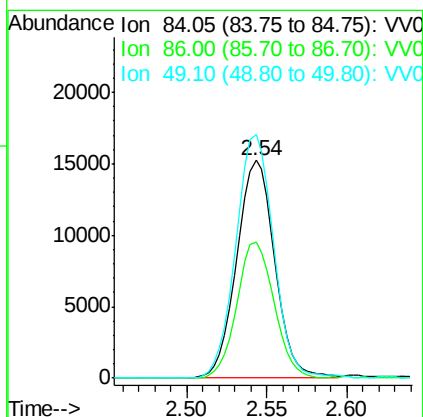
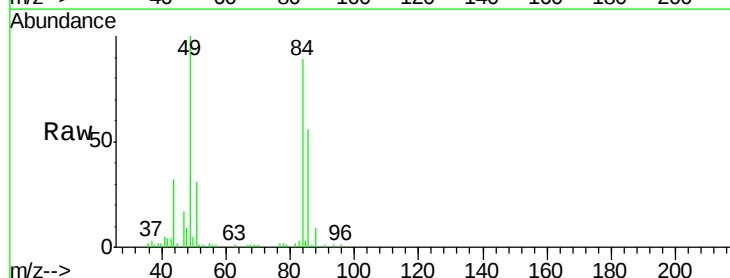
Instrument :
MSVOA_V
ClientSampleId :
VSTD00181

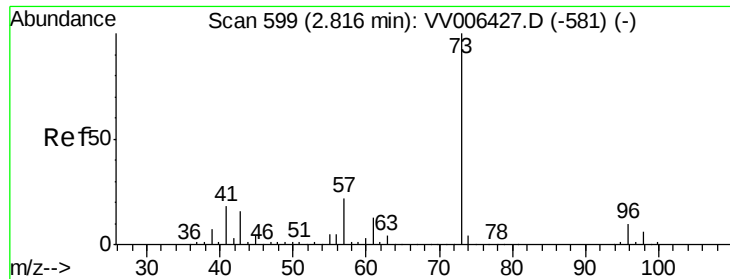
Tgt Ion: 43 Resp: 6706
Ion Ratio Lower Upper
43 100
74 32.1 22.2 33.4



#16
Methylene chloride
Concen: 1.007 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Tgt Ion: 84 Resp: 24638
Ion Ratio Lower Upper
84 100
86 62.4 44.2 82.2
49 112.0 79.0 146.8

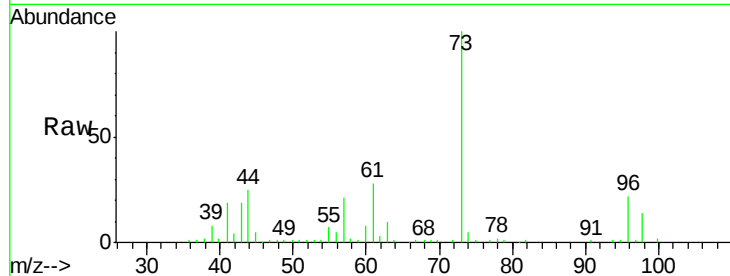




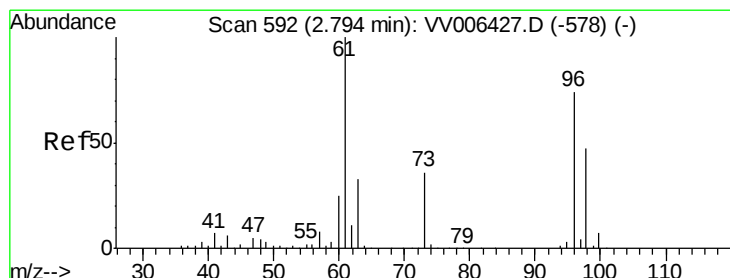
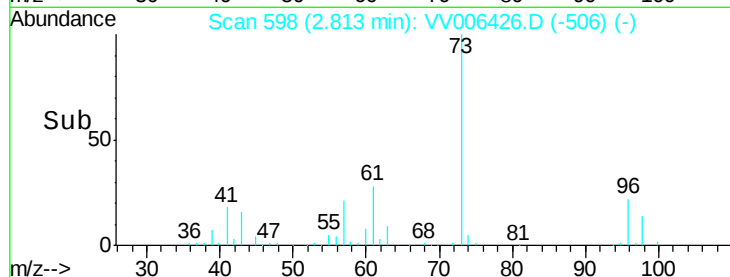
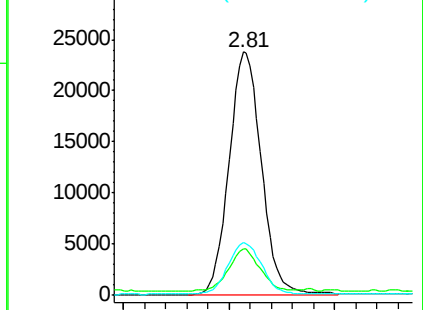
#17
Methyl tert-butyl Ether
Concen: 1.006 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00181

Tgt Ion: 73 Resp: 50928
Ion Ratio Lower Upper
73 100
43 17.0 12.9 19.3
57 22.2 17.5 26.3

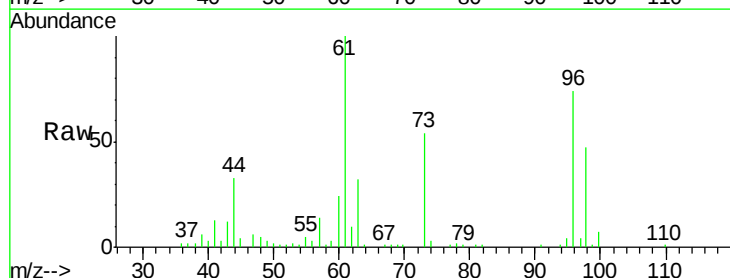


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

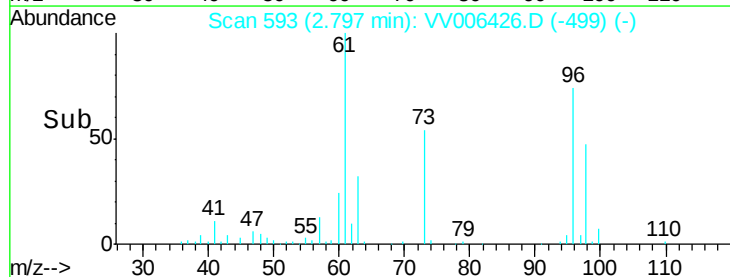
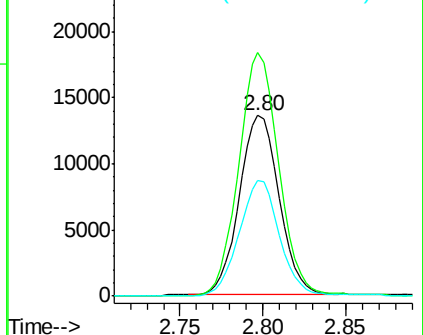


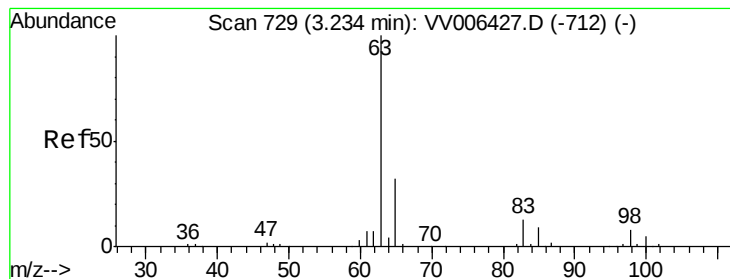
#18
trans-1,2-Dichloroethene
Concen: 0.991 ug/L
RT: 2.80 min Scan# 593
Delta R.T. 0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Tgt Ion: 96 Resp: 22676
Ion Ratio Lower Upper
96 100
61 134.8 94.4 175.2
98 63.9 44.3 82.3



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: 0.997 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampled :

VSTD00181

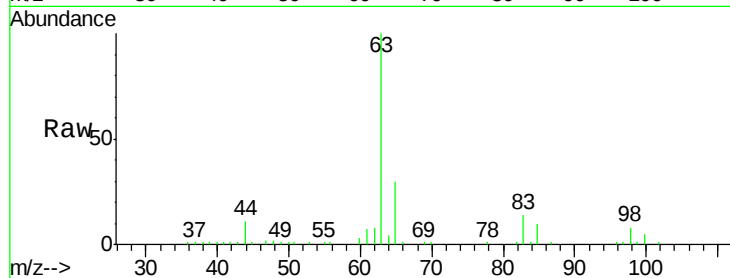
Tgt Ion: 63 Resp: 40617

Ion Ratio Lower Upper

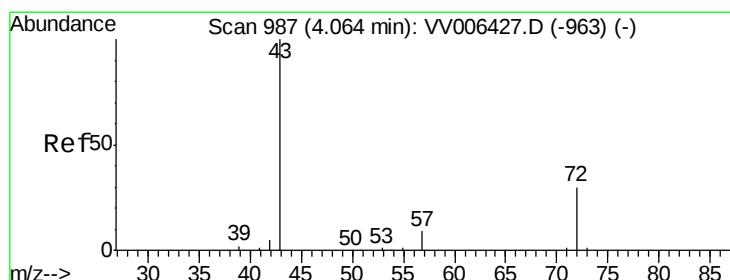
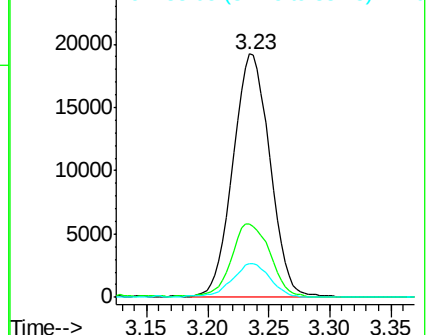
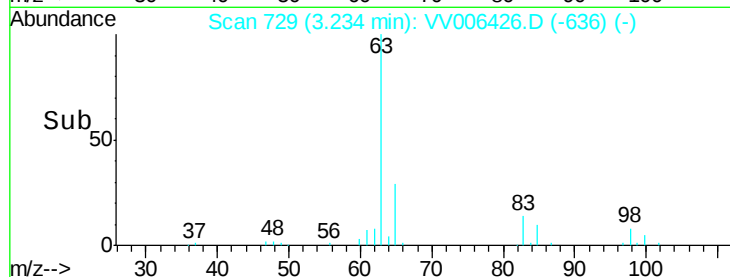
63 100

65 30.0 22.2 41.2

83 14.1 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV006426.D (-636) (-)



#21

2-Butanone

Concen: 8.117 ug/L

RT: 4.05 min Scan# 983

Delta R.T. -0.01 min

Lab File: VV006426.D

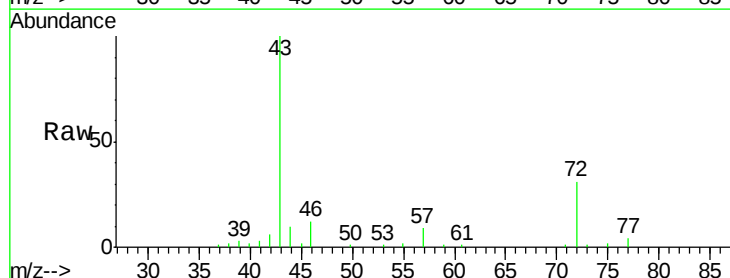
Acq: 25 Jun 2018 11:18

Tgt Ion: 43 Resp: 36541

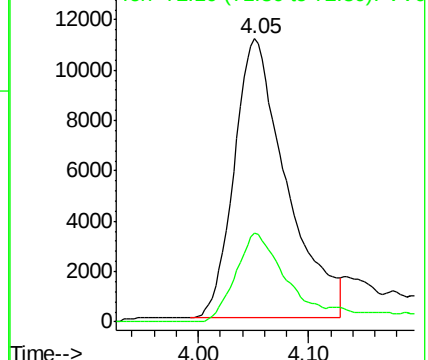
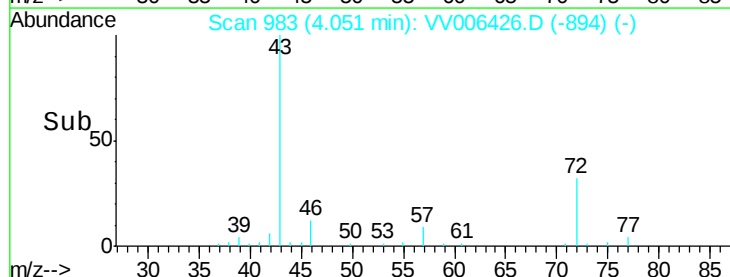
Ion Ratio Lower Upper

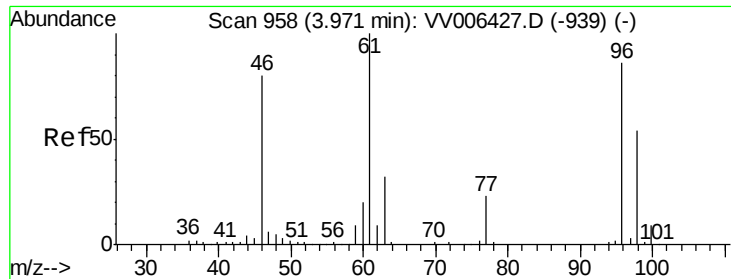
43 100

72 29.9 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV006426.D (-894) (-)



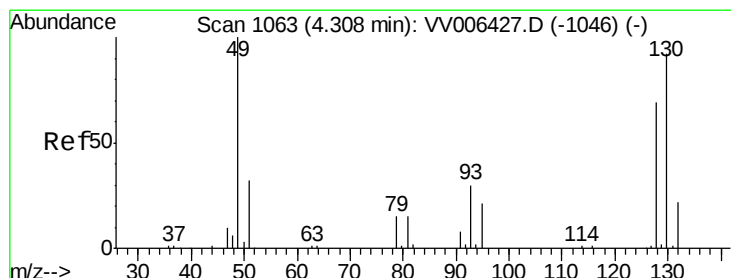
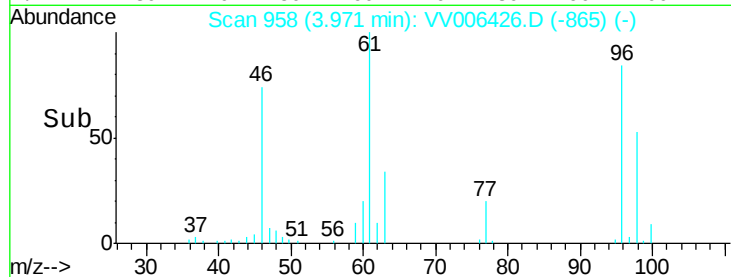
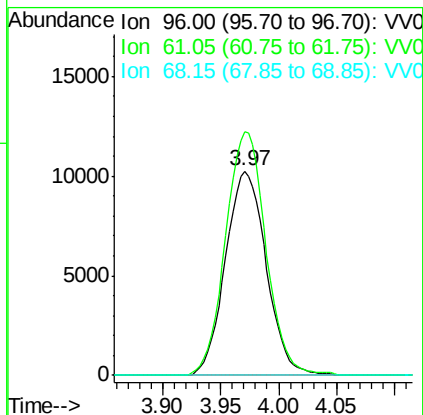
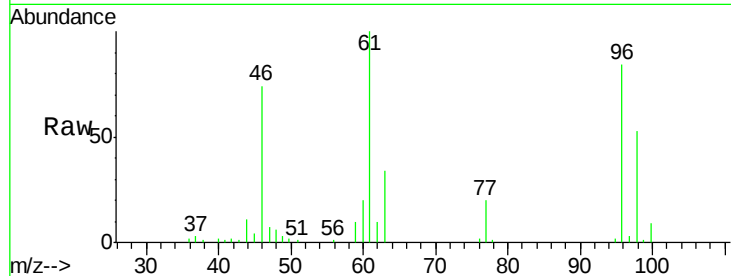


#22

cis-1,2-Dichloroethene
Concen: 0.995 ug/L
RT: 3.97 min Scan# 958
Delta R.T. -0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00181

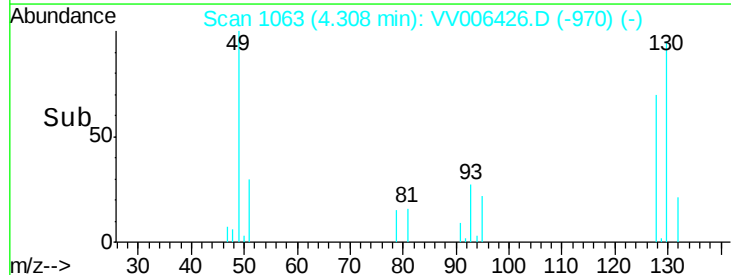
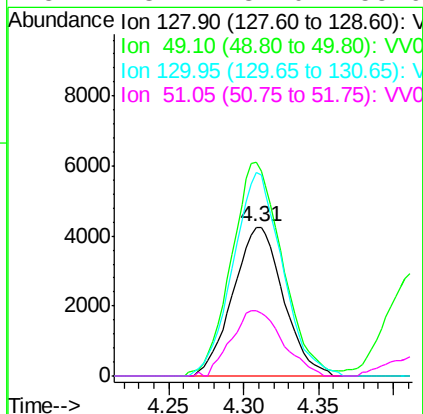
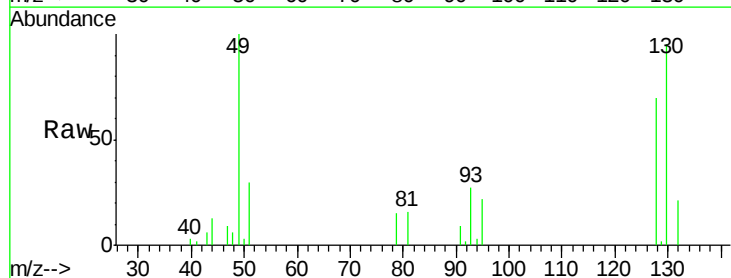
Tgt Ion: 96 Resp: 25025
Ion Ratio Lower Upper
96 100
61 119.4 81.8 151.8
68 0.0 0.0 0.0

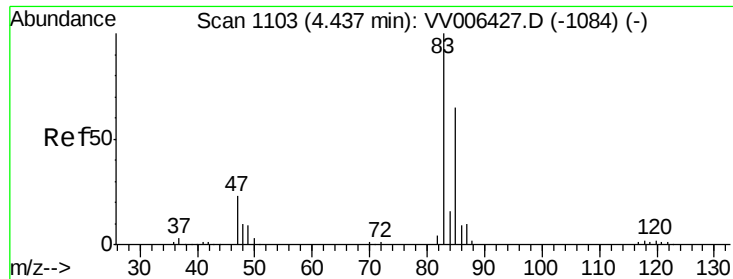


#23

Bromochloromethane
Concen: 0.972 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Tgt Ion: 128 Resp: 9940
Ion Ratio Lower Upper
128 100
49 143.7 101.2 188.0
130 137.0 93.0 172.6
51 43.7 37.0 55.6





#25

Chloroform

Concen: 1.002 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

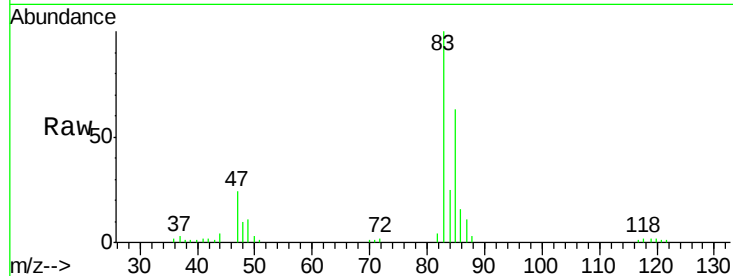
VSTD00181

Tgt Ion: 83 Resp: 41146

Ion Ratio Lower Upper

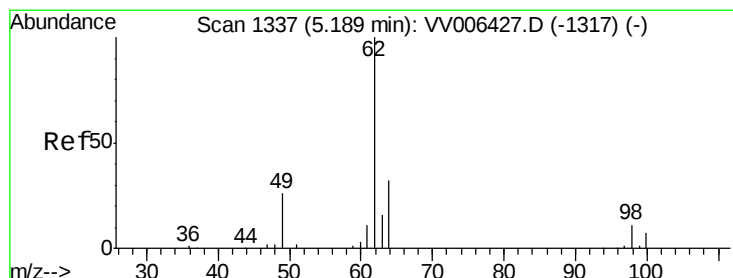
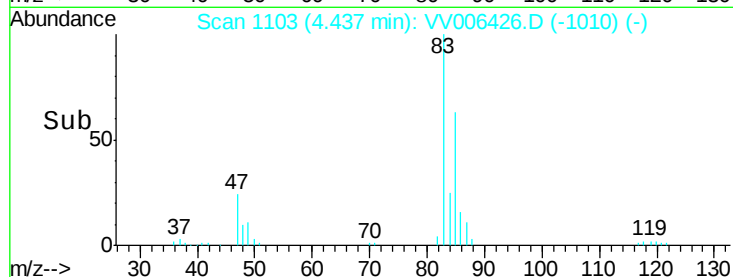
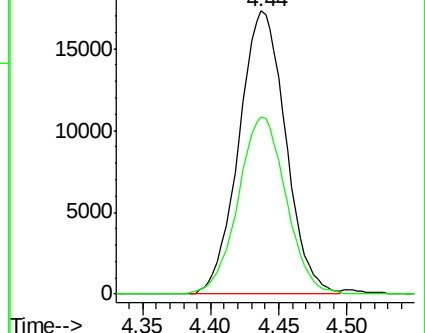
83 100

85 62.7 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VV006427.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VV006427.D (-1084) (-)



#27

1,2-Dichloroethane

Concen: 0.991 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VV006426.D

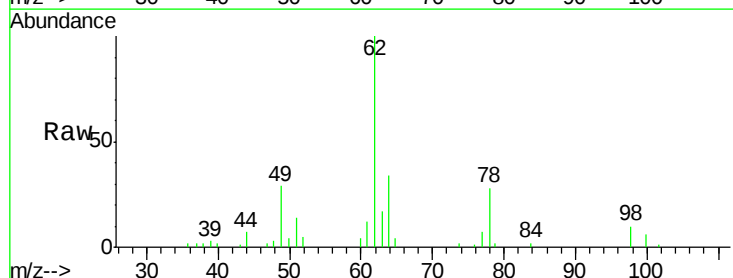
Acq: 25 Jun 2018 11:18

Tgt Ion: 62 Resp: 22863

Ion Ratio Lower Upper

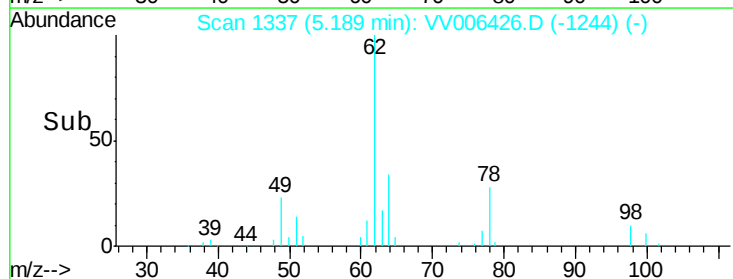
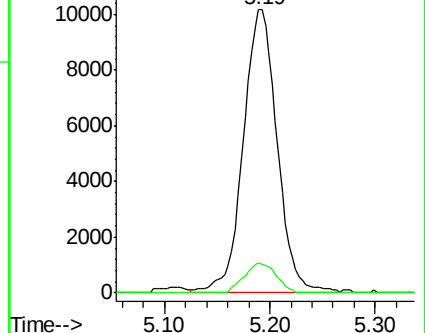
62 100

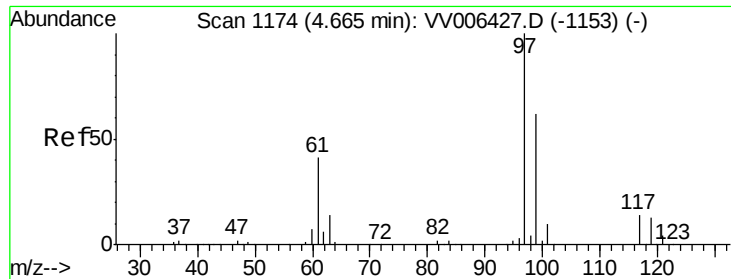
98 10.4 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006427.D (-1317) (-)

Ion 98.05 (97.75 to 98.75): VV006427.D (-1317) (-)

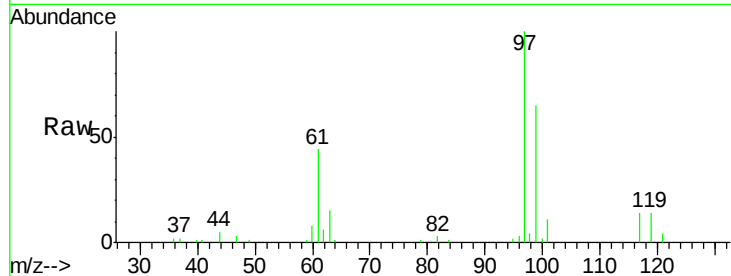




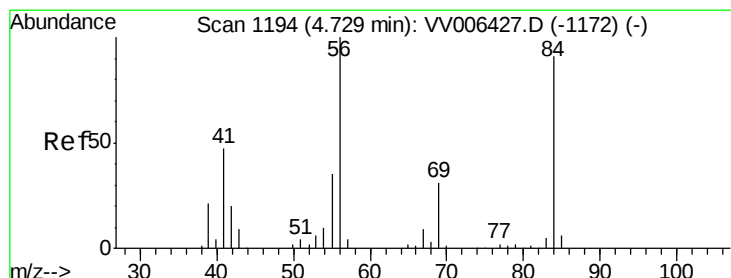
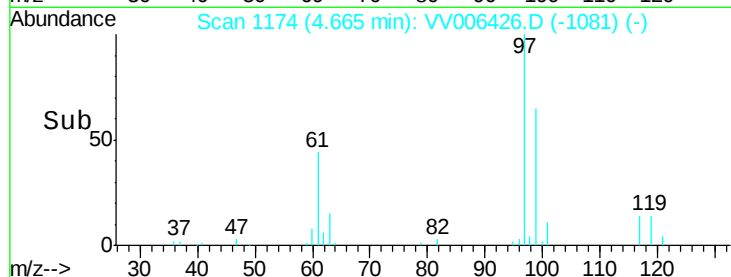
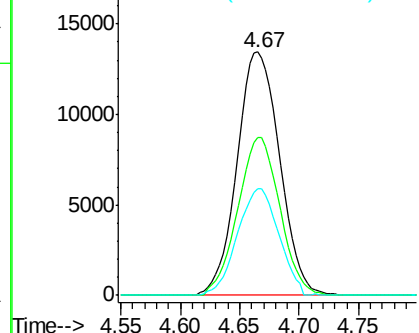
#29
 1,1,1-Trichloroethane
 Concen: 0.985 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00181

Tgt Ion: 97 Resp: 33439
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.4
 61 42.4 33.8 50.6

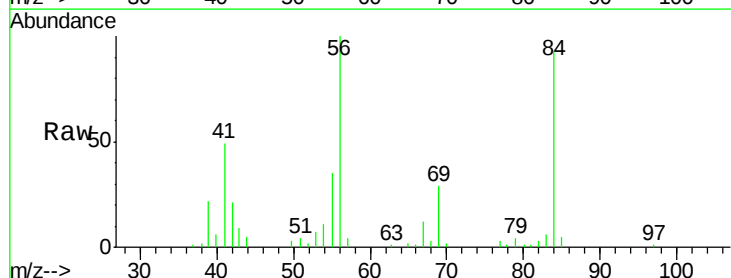


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

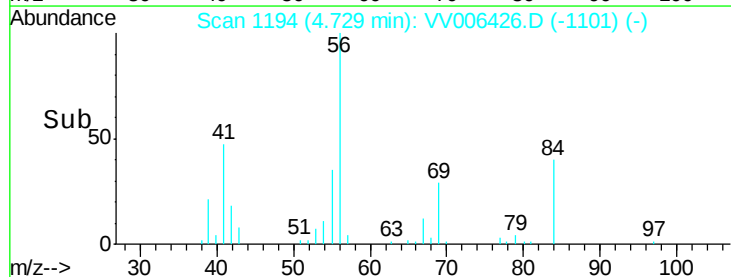
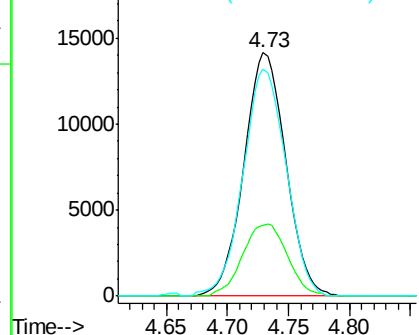


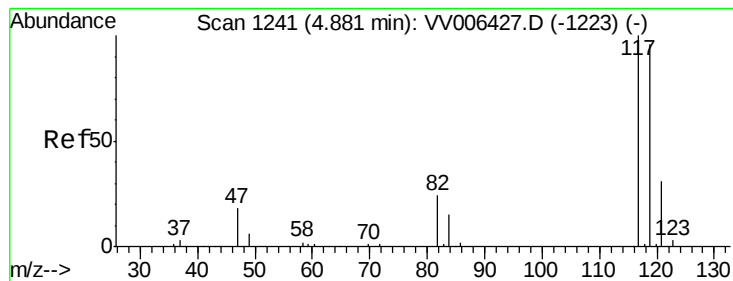
#30
 Cyclohexane
 Concen: 0.994 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Tgt Ion: 56 Resp: 33735
 Ion Ratio Lower Upper
 56 100
 69 31.6 25.6 38.4
 84 95.4 75.4 113.0



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: 0.983 ug/L

RT: 4.88 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

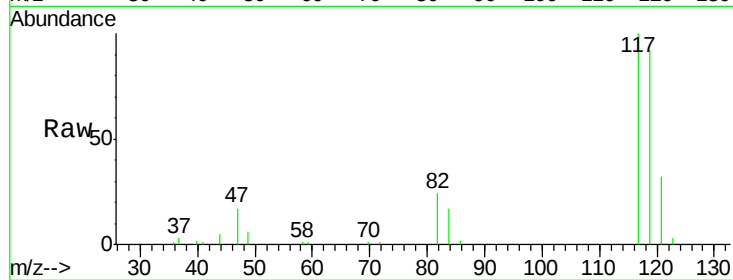
VSTD00181

Tgt Ion:117 Resp: 28002

Ion Ratio Lower Upper

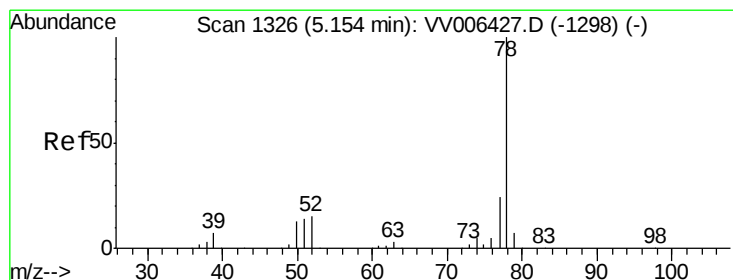
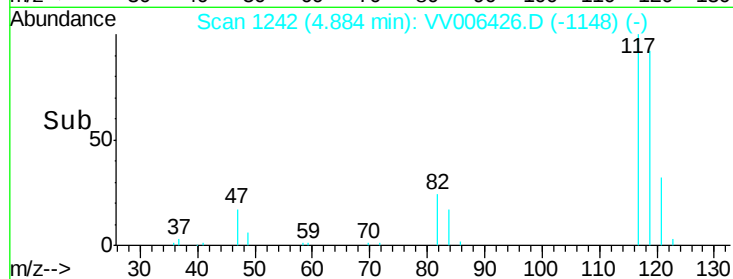
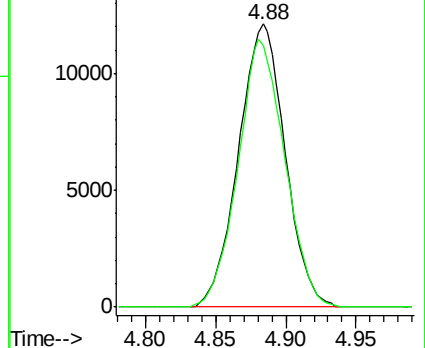
117 100

119 94.7 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.005 ug/L

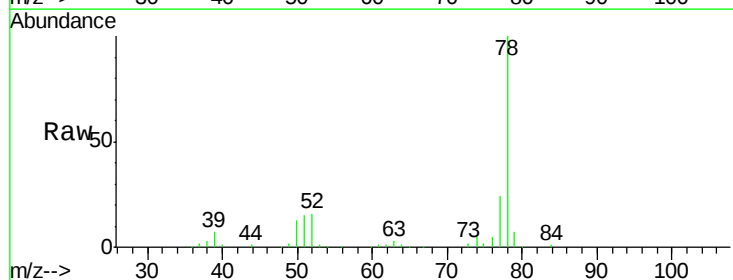
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Tgt Ion: 78 Resp: 92454



Abundance Ion 78.10 (77.80 to 78.80): VV0

50000

40000

30000

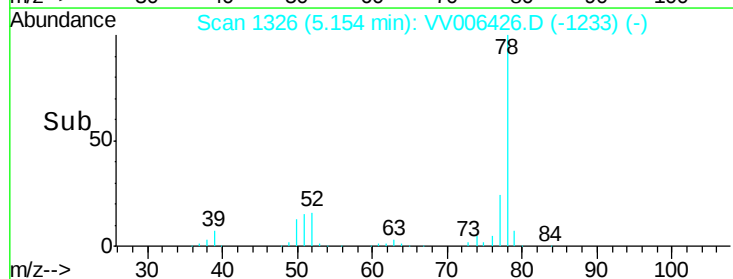
20000

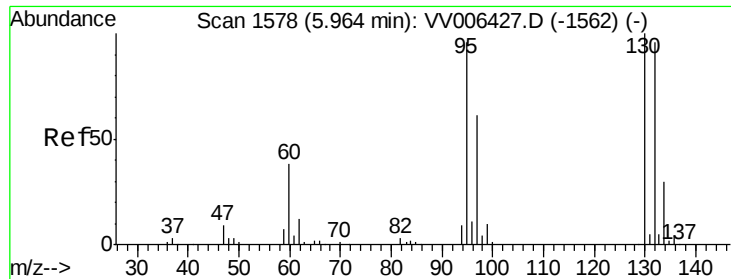
10000

0

Time-->

5.00 5.10 5.20 5.30

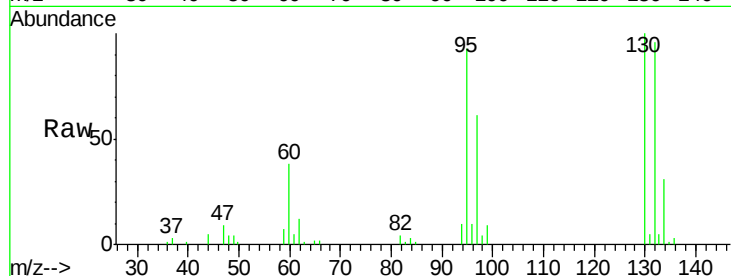




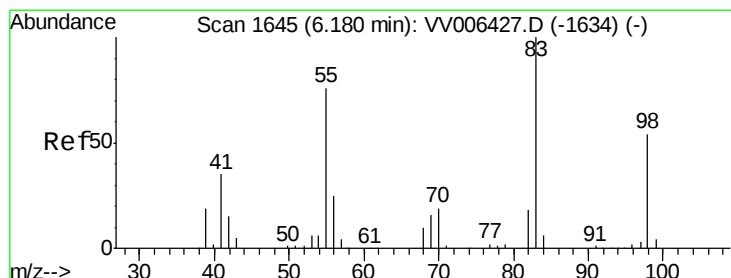
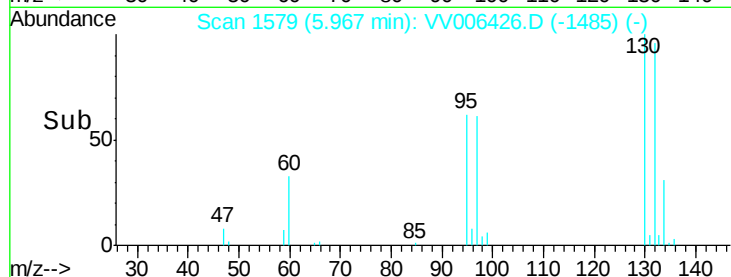
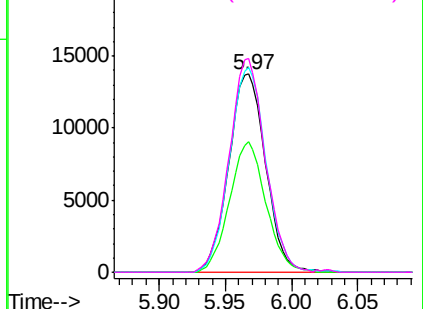
#34
 Trichloroethene
 Concen: 1.011 ug/L
 RT: 5.97 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00181

Tgt Ion: 95 Resp: 26615
 Ion Ratio Lower Upper
 95 100
 97 65.9 44.6 82.8
 132 103.2 70.1 130.1
 130 107.8 73.3 136.1

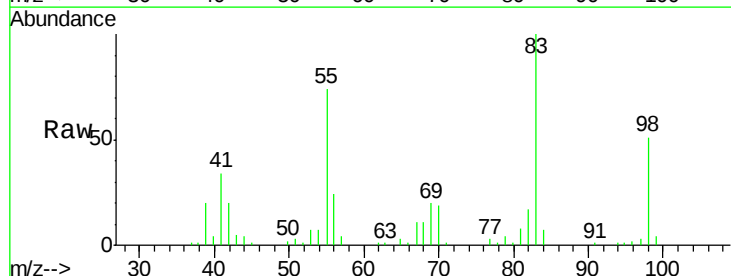


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

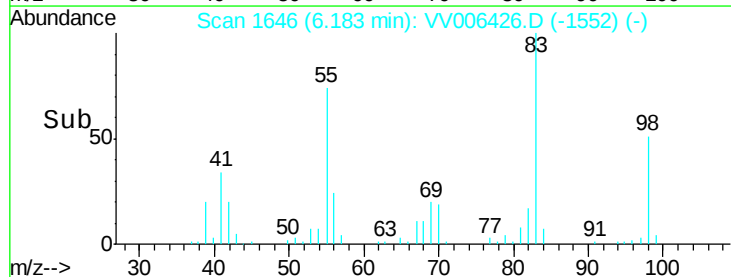
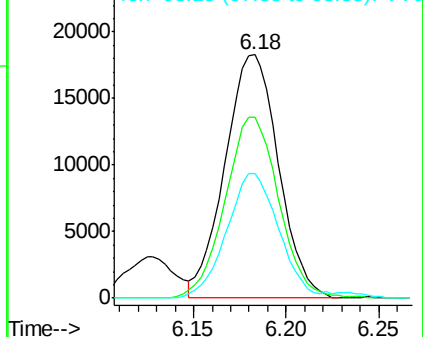


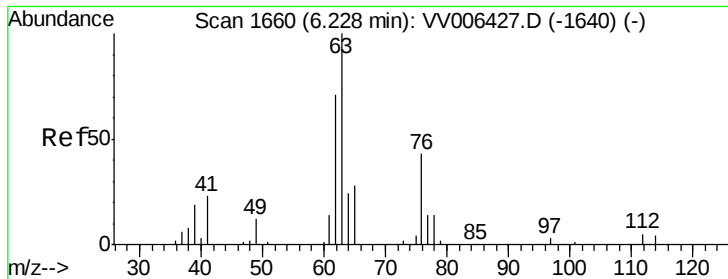
#35
 Methylcyclohexane
 Concen: 0.961 ug/L
 RT: 6.18 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Tgt Ion: 83 Resp: 36775
 Ion Ratio Lower Upper
 83 100
 55 74.4 57.5 86.3
 98 49.5 39.6 59.4



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

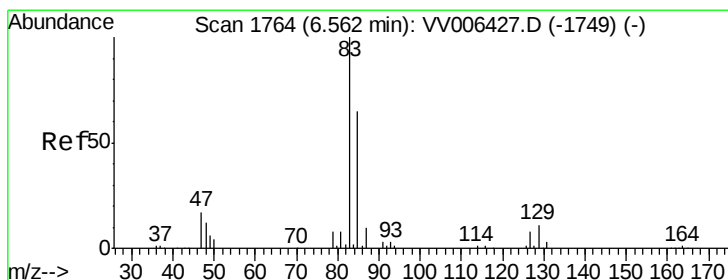
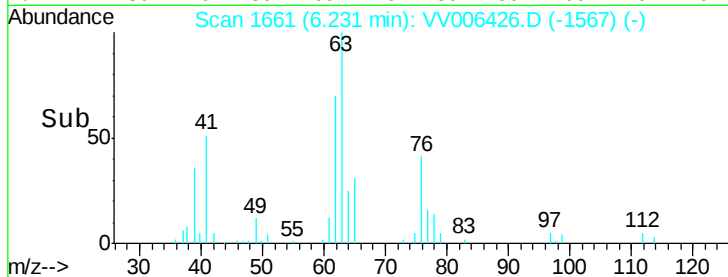
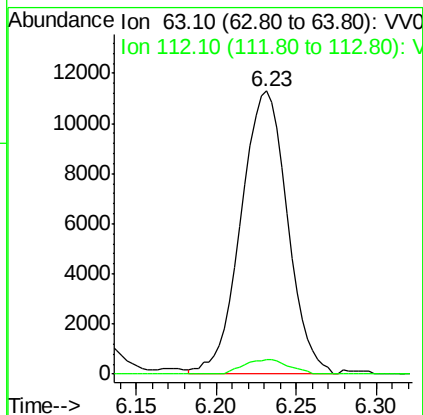
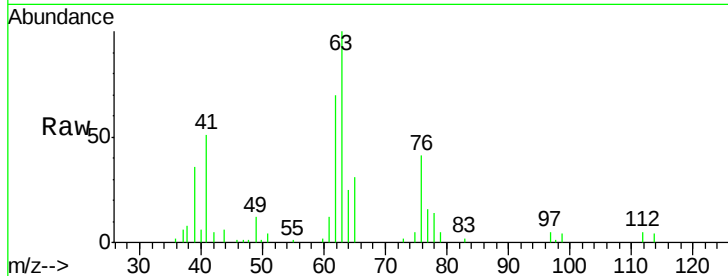




#37
 1,2-Dichloropropane
 Concen: 1.000 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

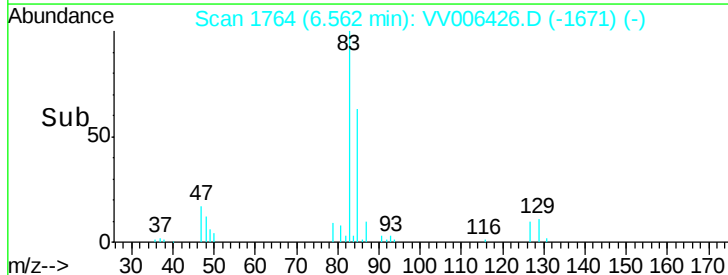
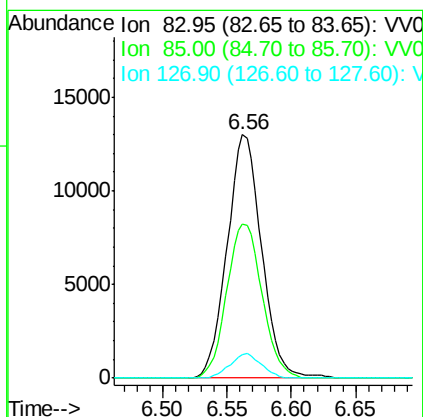
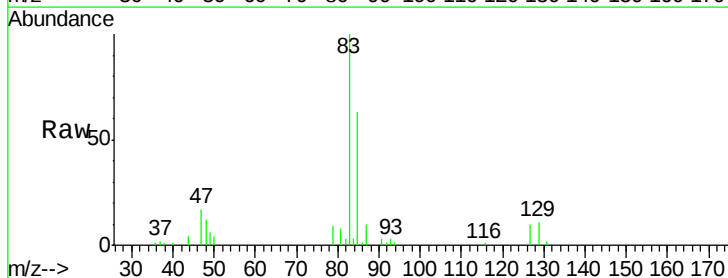
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00181

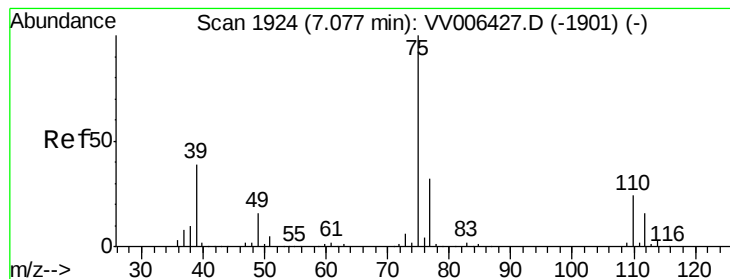
Tgt Ion: 63 Resp: 22481
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#38
 Bromodichloromethane
 Concen: 0.931 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Tgt Ion: 83 Resp: 24096
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.9
 127 9.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.923 ug/L

RT: 7.08 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

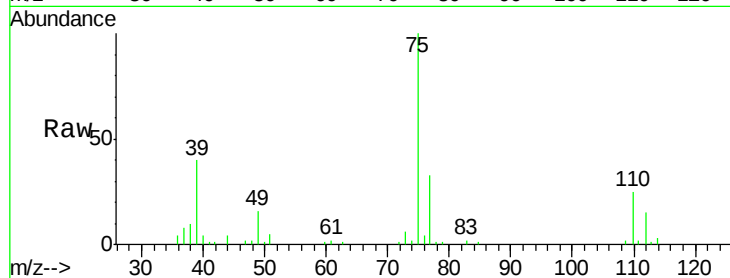
VSTD00181

Tgt Ion: 75 Resp: 28875

Ion Ratio Lower Upper

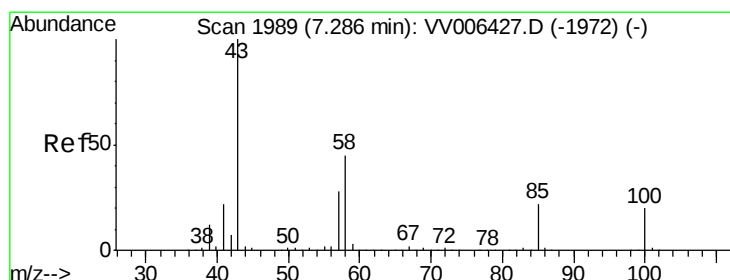
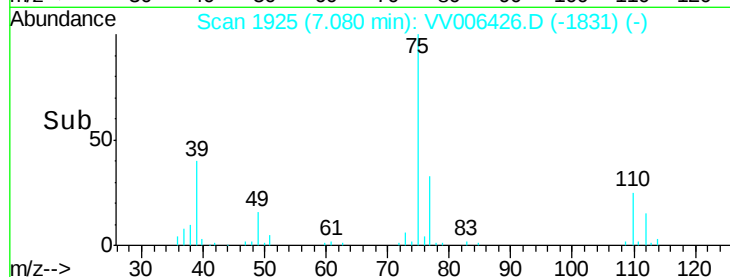
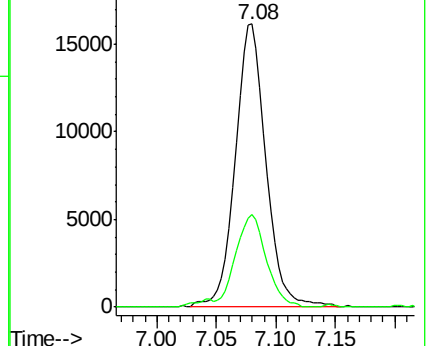
75 100

77 32.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 9.741 ug/L

RT: 7.29 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

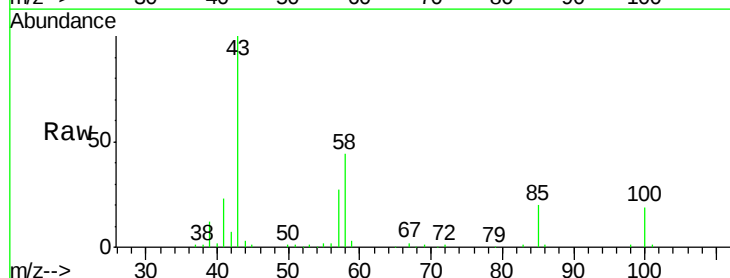
Tgt Ion: 43 Resp: 106546

Ion Ratio Lower Upper

43 100

58 44.1 35.4 53.2

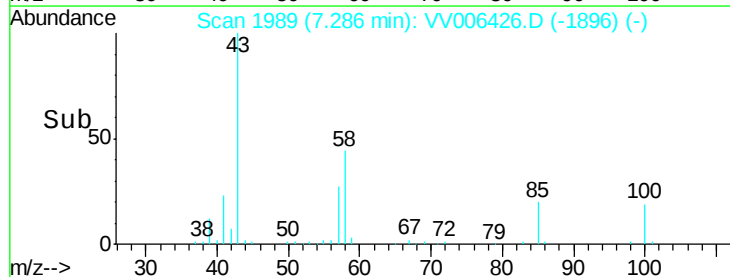
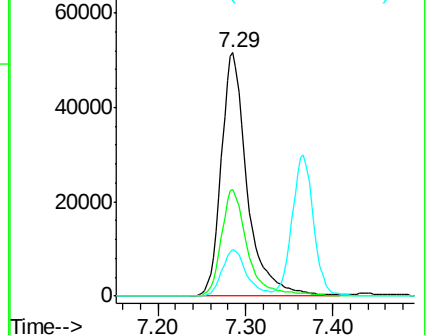
100 18.1 15.5 23.3

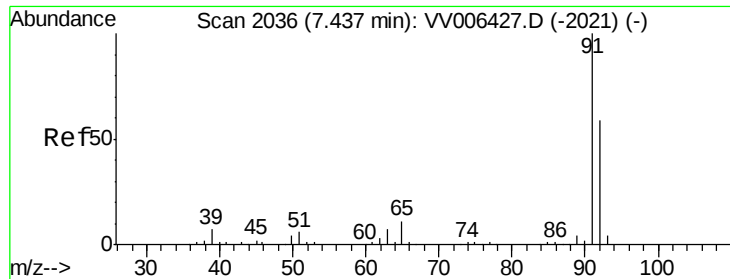


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.982 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

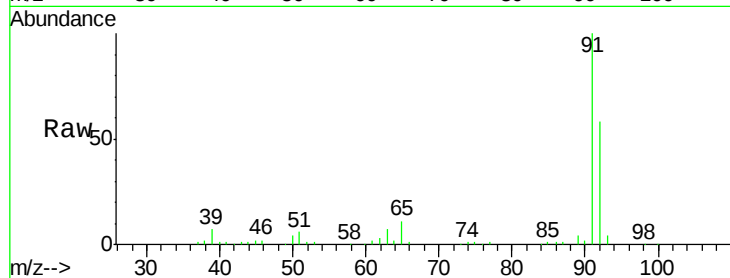
VSTD00181

Tgt Ion: 91 Resp: 95700

Ion Ratio Lower Upper

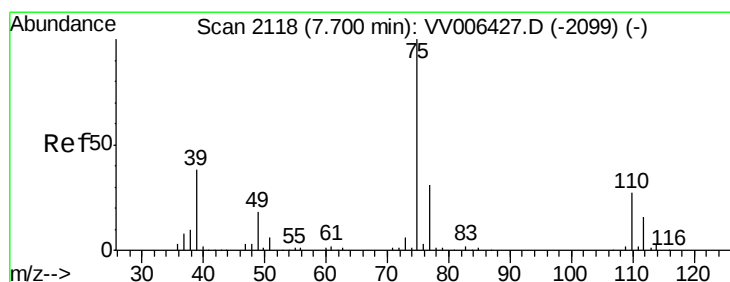
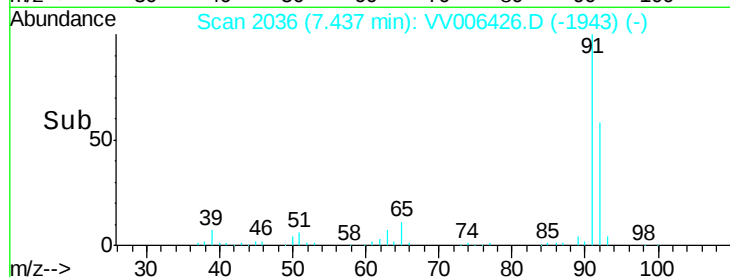
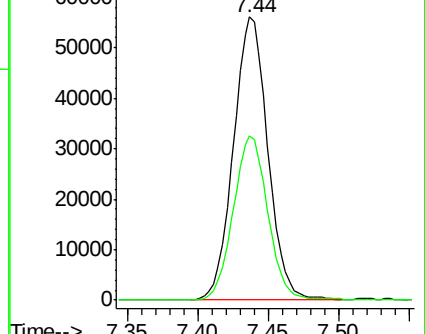
91 100

92 58.2 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.923 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006426.D

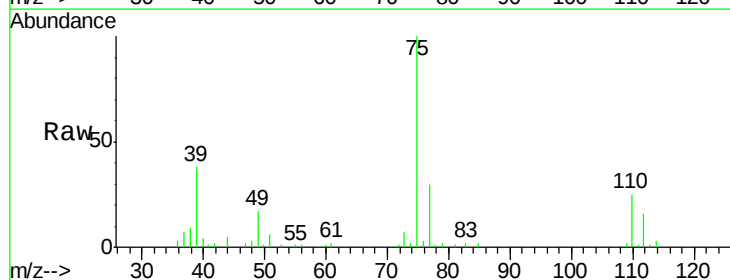
Acq: 25 Jun 2018 11:18

Tgt Ion: 75 Resp: 22636

Ion Ratio Lower Upper

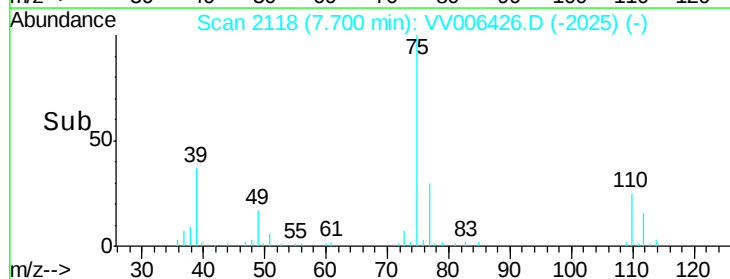
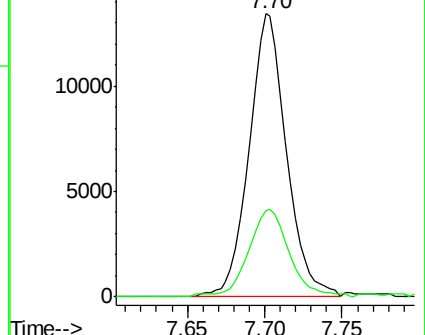
75 100

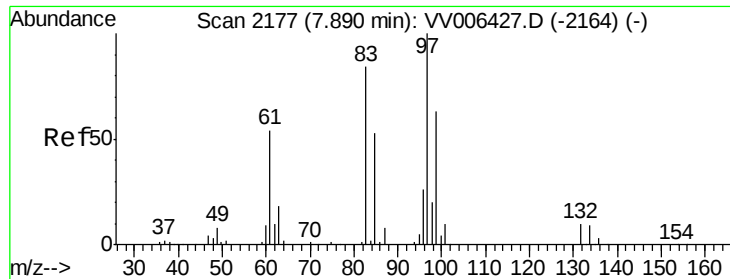
77 30.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 1.009 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00181

Tgt Ion: 97 Resp: 15658

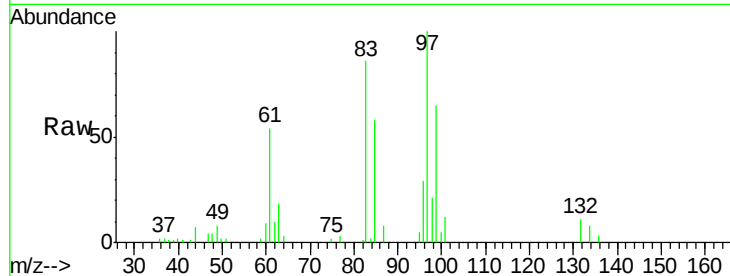
Ion Ratio Lower Upper

97 100

99 64.9 44.2 82.2

83 85.8 59.0 109.6

85 58.4 36.8 68.3

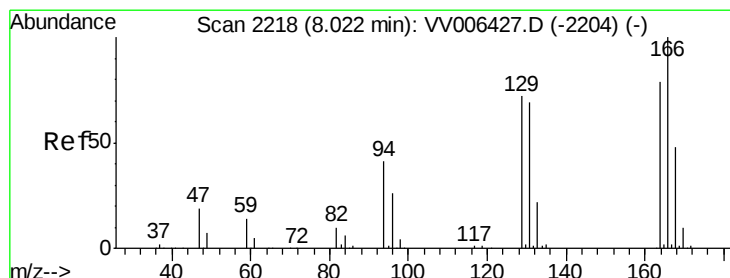
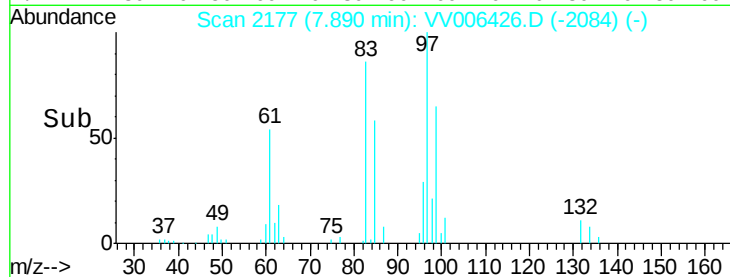
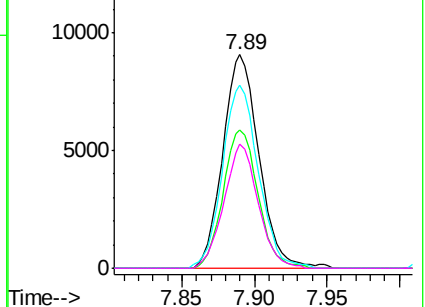


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.996 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Tgt Ion: 164 Resp: 19807

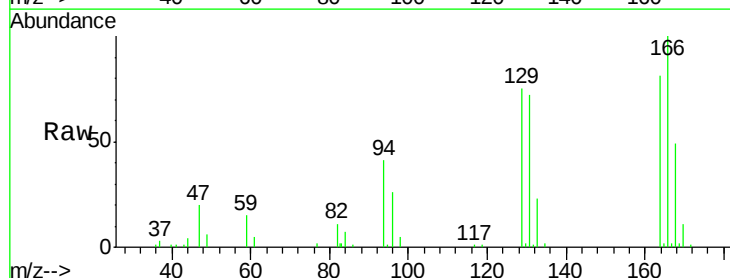
Ion Ratio Lower Upper

164 100

129 92.3 64.0 118.8

131 88.6 61.7 114.5

166 123.0 89.0 165.2

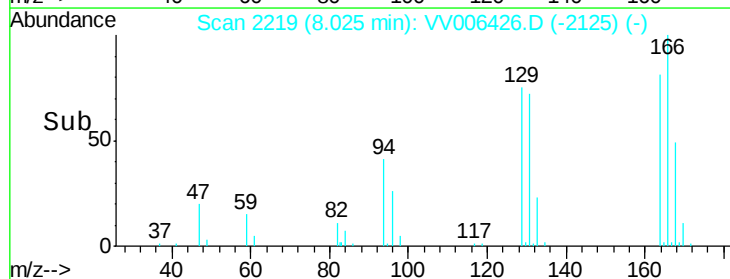
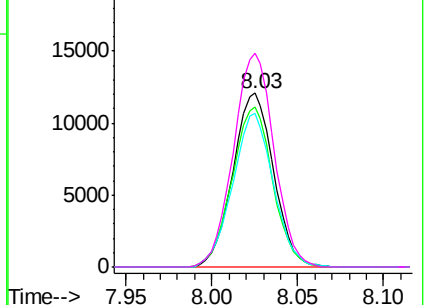


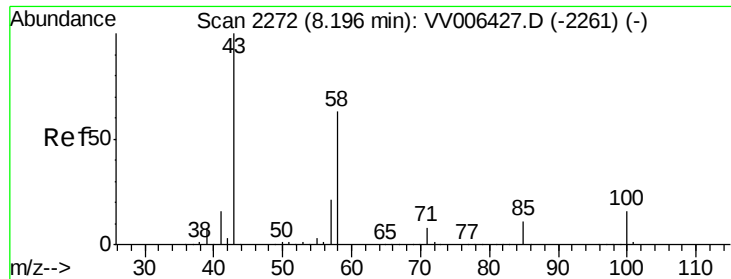
Abundance Ion 163.90 (163.60 to 164.60): V

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

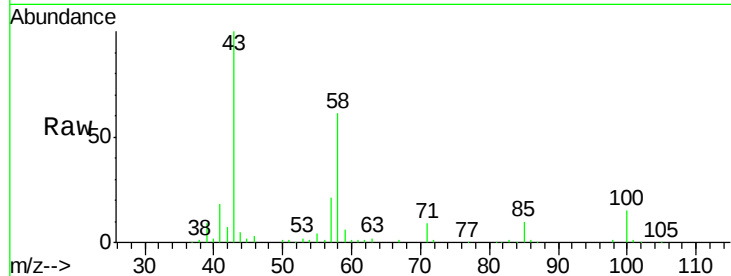




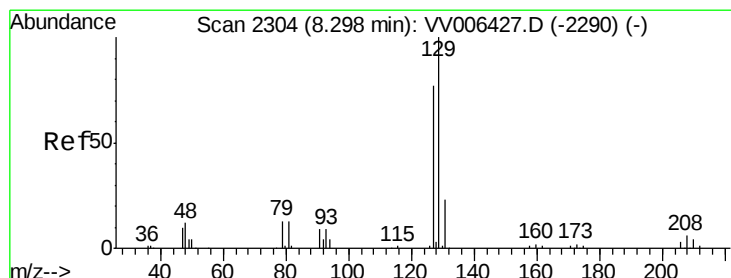
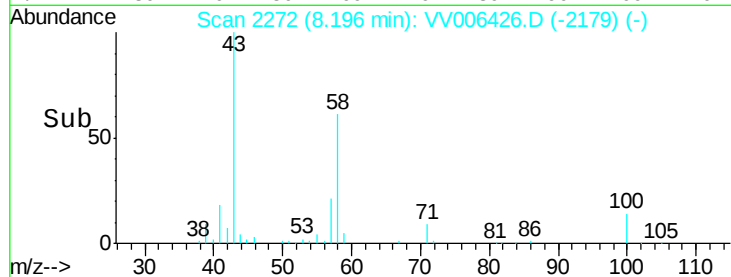
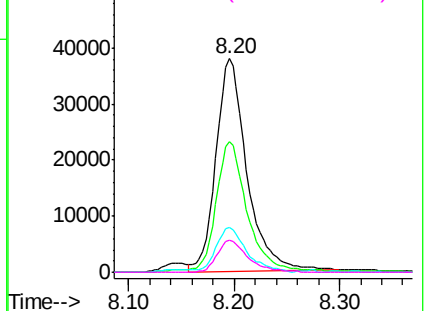
#48
2-Hexanone
Concen: 9.735 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00181

Tgt Ion: 43 Resp: 76604
Ion Ratio Lower Upper
43 100
58 63.4 49.9 74.9
57 20.9 17.3 25.9
100 15.1 12.5 18.7

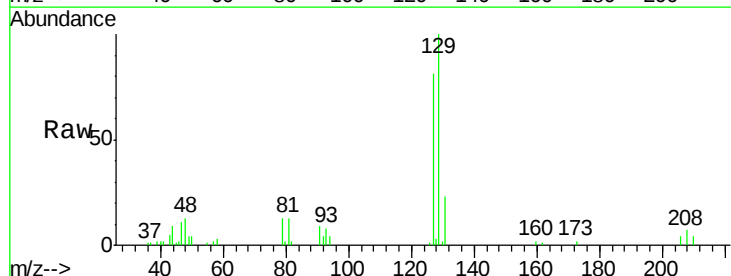


Abundance Ion 43.05 (42.75 to 43.75): VV006426.D (-2179) (-)
Ion 58.05 (57.75 to 58.75): VV006426.D (-2179) (-)
Ion 57.20 (56.90 to 57.90): VV006426.D (-2179) (-)
Ion 100.15 (99.85 to 100.85): VV006426.D (-2179) (-)

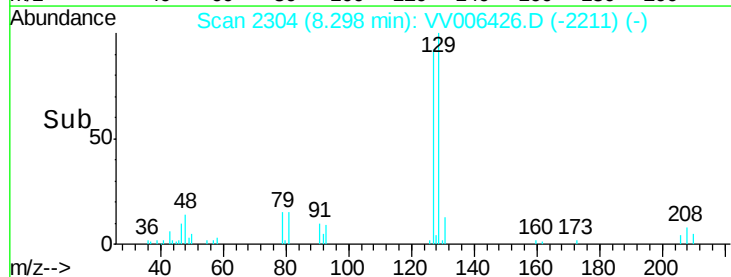
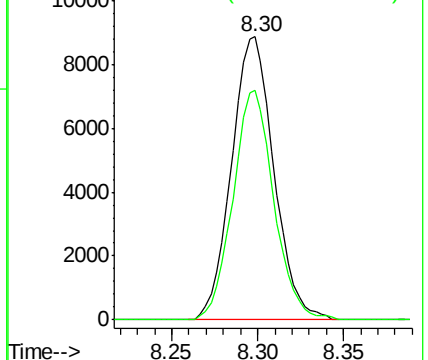


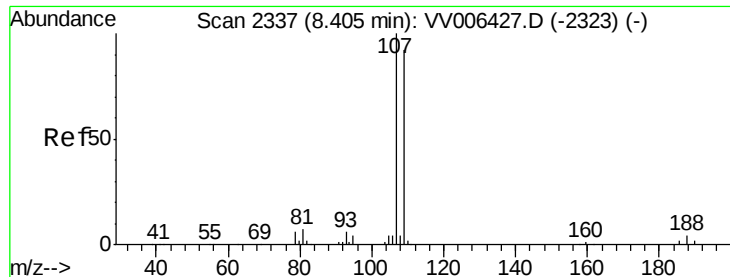
#49
Dibromochloromethane
Concen: 0.917 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Tgt Ion: 129 Resp: 15177
Ion Ratio Lower Upper
129 100
127 81.1 54.0 100.2



Abundance Ion 128.95 (128.65 to 129.65): VV006426.D (-2211) (-)
Ion 126.90 (126.60 to 127.60): VV006426.D (-2211) (-)

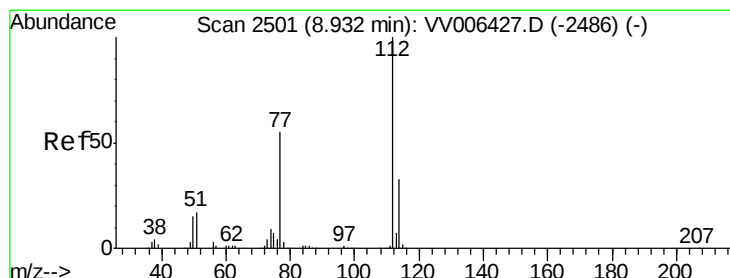
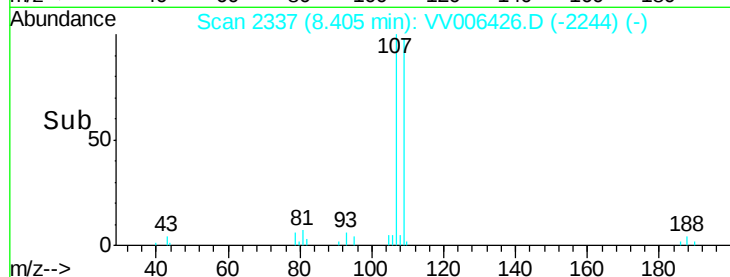
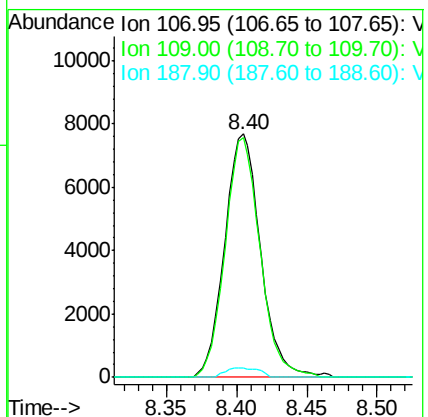
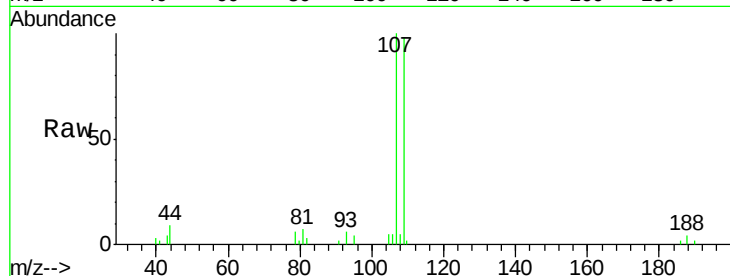




#50
1,2-Dibromoethane
Concen: 0.981 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

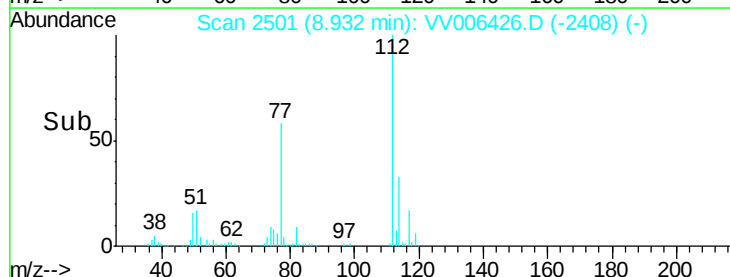
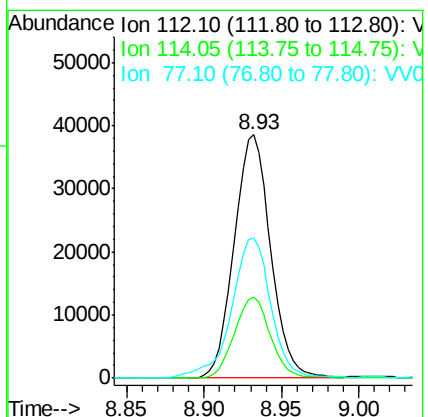
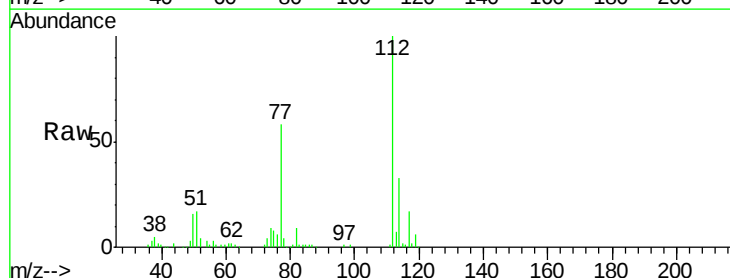
Instrument :
MSVOA_V
ClientSampleId :
VSTD00181

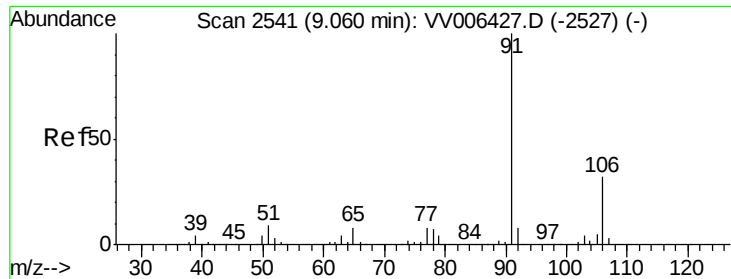
Tgt Ion:107 Resp: 13689
Ion Ratio Lower Upper
107 100
109 98.2 64.3 119.5
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 0.980 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006426.D
Acq: 25 Jun 2018 11:18

Tgt Ion:112 Resp: 63175
Ion Ratio Lower Upper
112 100
114 33.4 22.8 42.4
77 57.6 44.6 66.8





#52

Ethylbenzene

Concen: 0.955 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

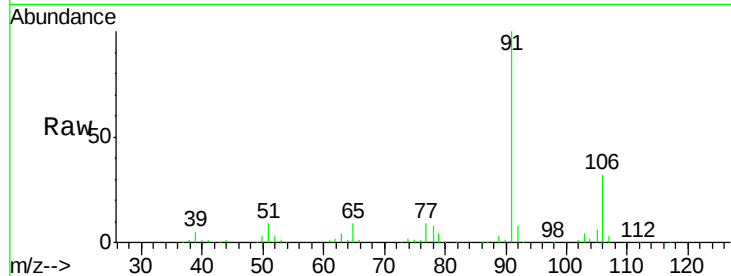
VSTD00181

Tgt Ion: 91 Resp: 100701

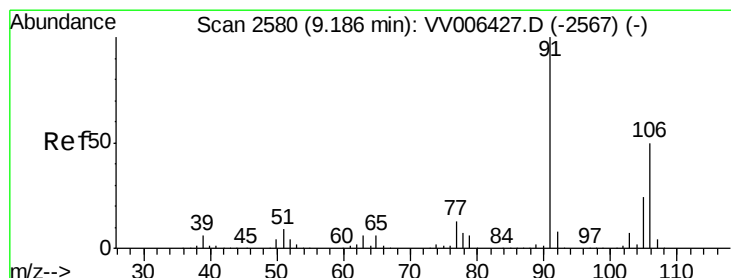
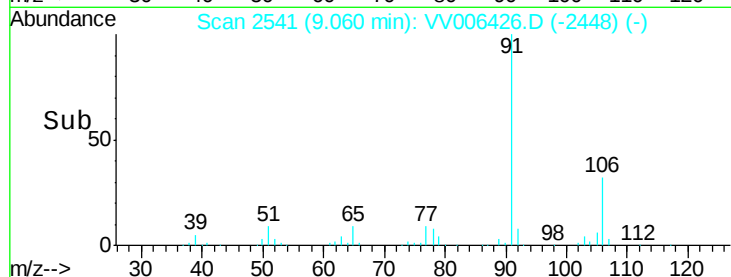
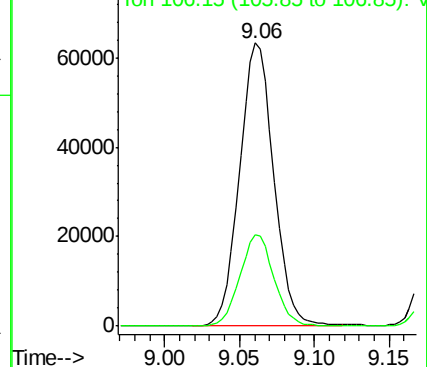
Ion Ratio Lower Upper

91 100

106 32.1 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006426.D (-2448) (-)



#53

m,p-xylene

Concen: 0.946 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006426.D

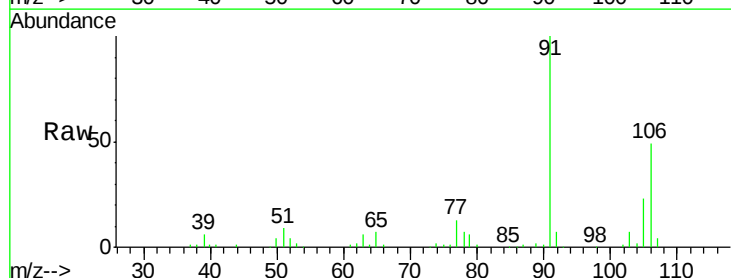
Acq: 25 Jun 2018 11:18

Tgt Ion: 106 Resp: 38490

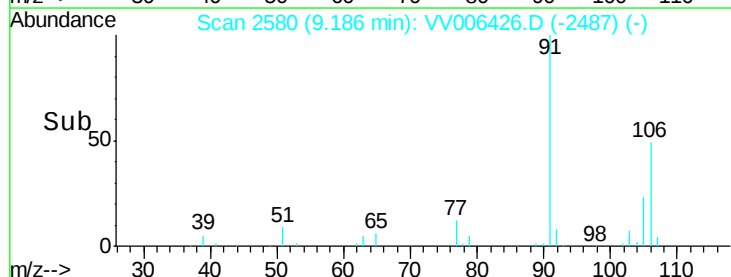
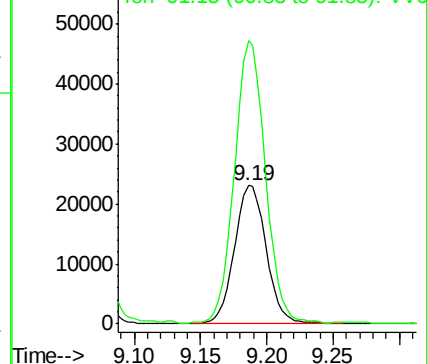
Ion Ratio Lower Upper

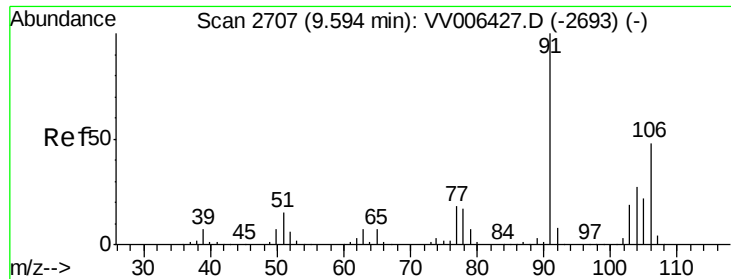
106 100

91 204.1 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006426.D (-2487) (-)





#54

o-xylene

Concen: 0.955 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

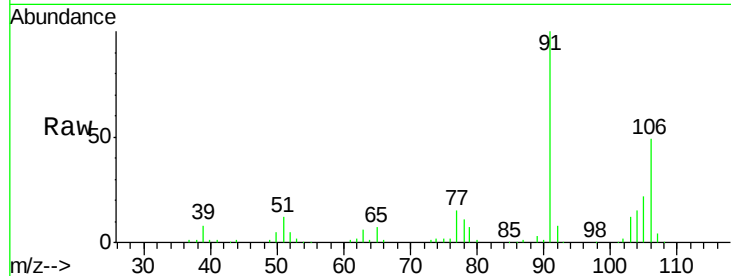
VSTD00181

Tgt Ion:106 Resp: 38098

Ion Ratio Lower Upper

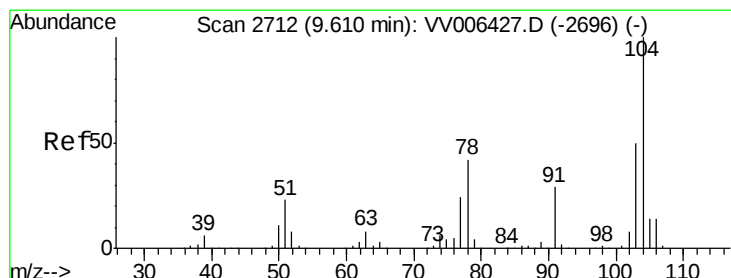
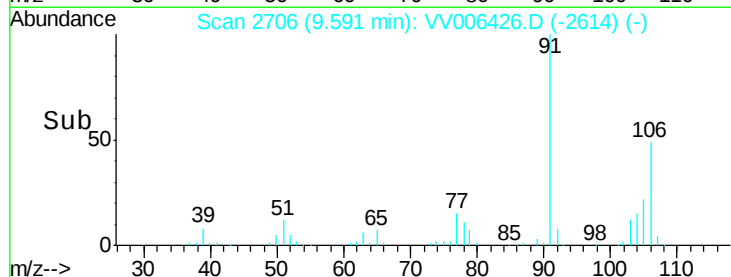
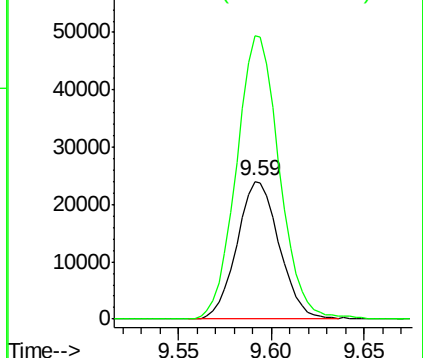
106 100

91 205.7 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.920 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006426.D

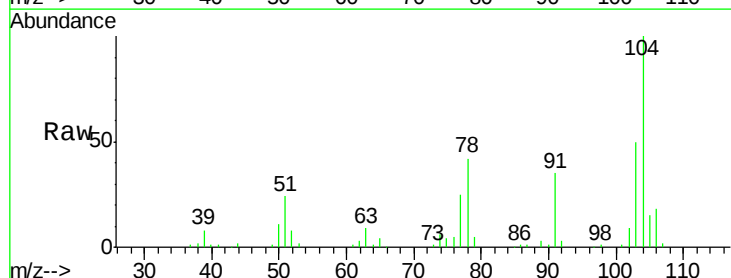
Acq: 25 Jun 2018 11:18

Tgt Ion:104 Resp: 60069

Ion Ratio Lower Upper

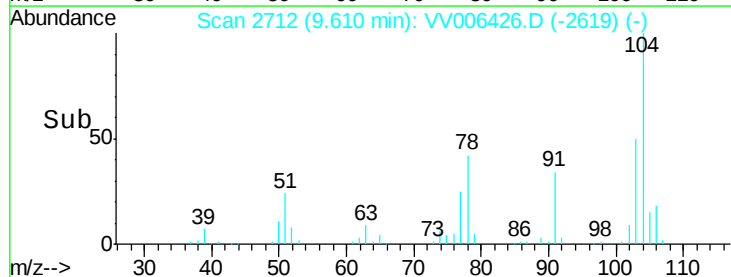
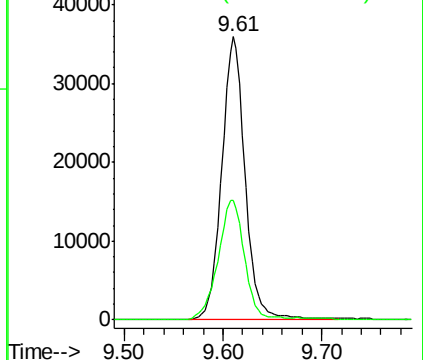
104 100

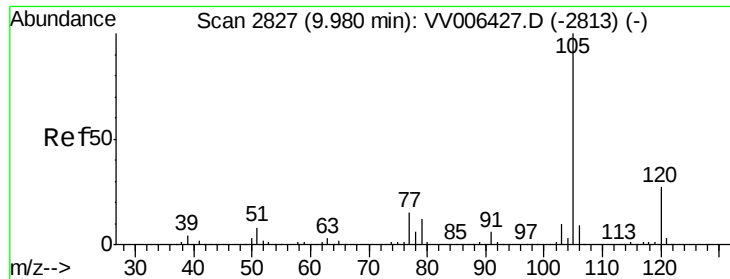
78 42.3 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.933 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00181

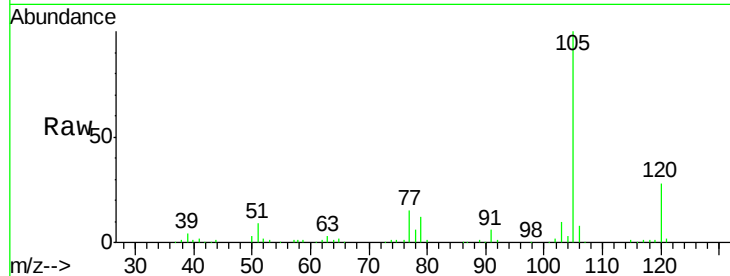
Tgt Ion: 105 Resp: 97020

Ion Ratio Lower Upper

105 100

120 27.2 21.7 32.5

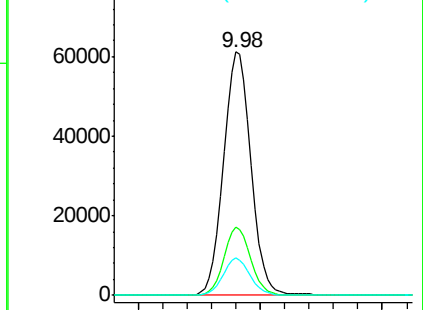
77 14.9 11.8 17.8



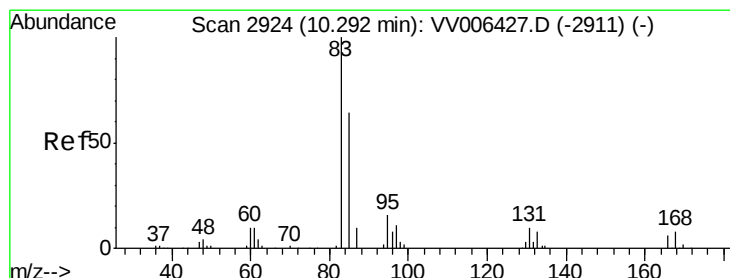
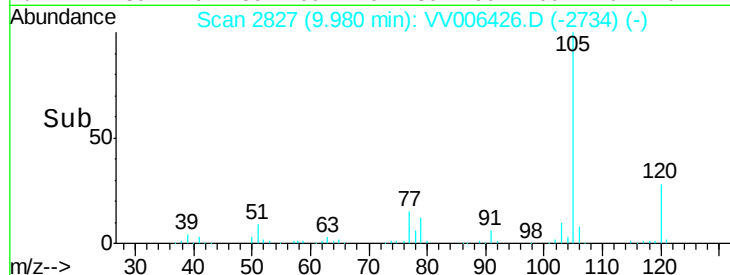
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 0.950 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

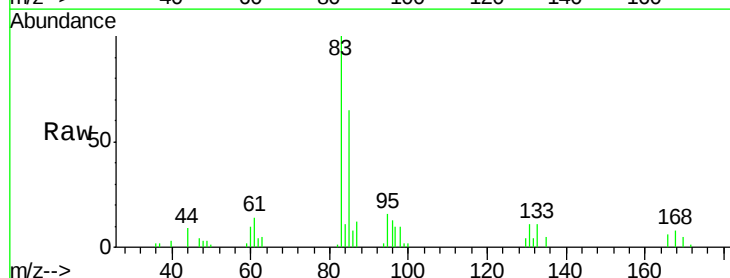
Tgt Ion: 83 Resp: 13912

Ion Ratio Lower Upper

83 100

85 64.6 44.8 83.2

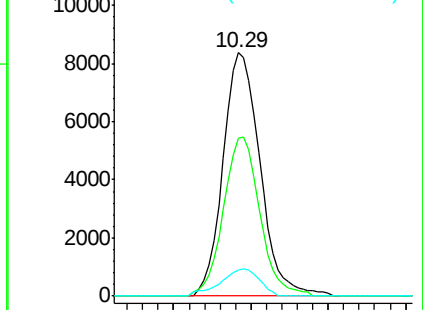
131 10.7 7.9 11.9



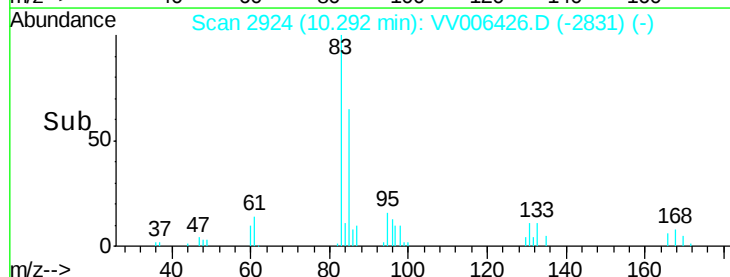
Abundance Ion 82.95 (82.65 to 83.65): VV0

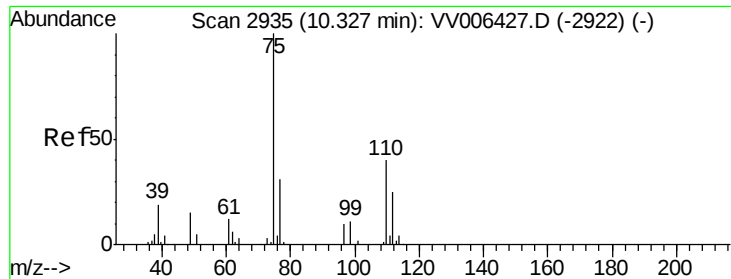
Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 0.992 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

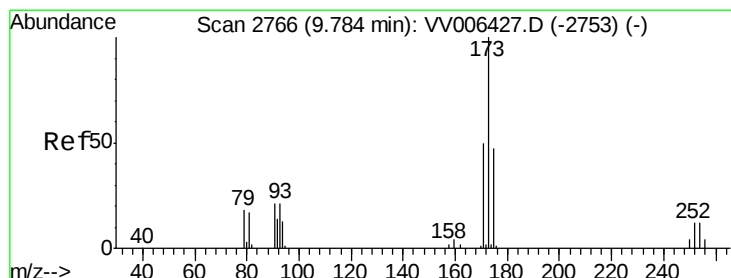
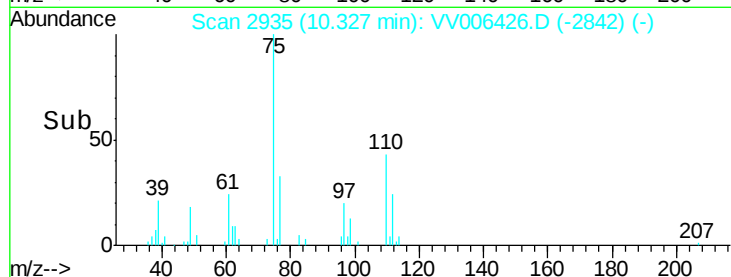
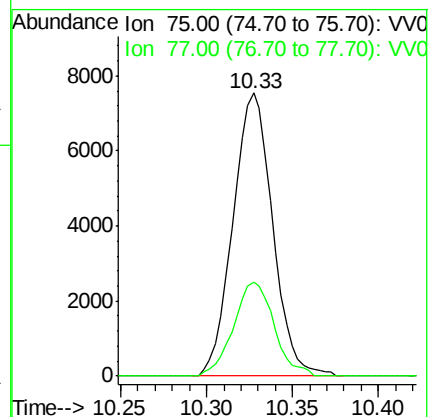
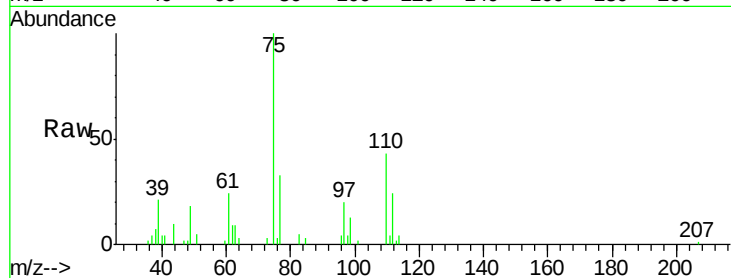
VSTD00181

Tgt Ion: 75 Resp: 12124

Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5



#61

Bromoform

Concen: 0.932 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. -0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

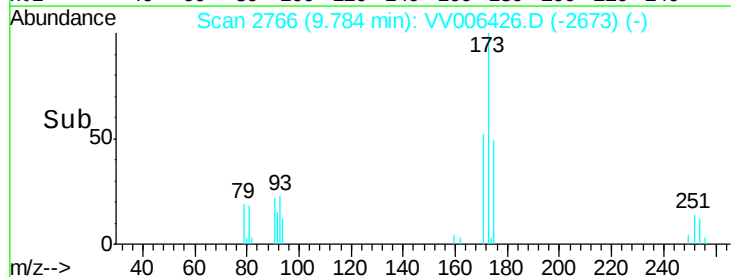
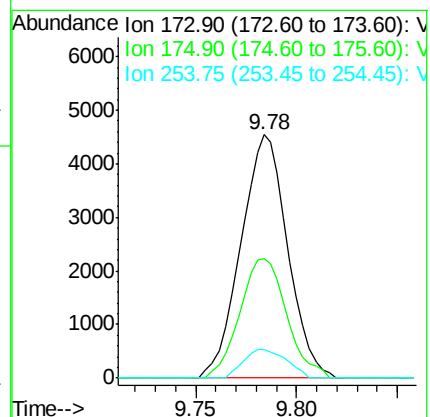
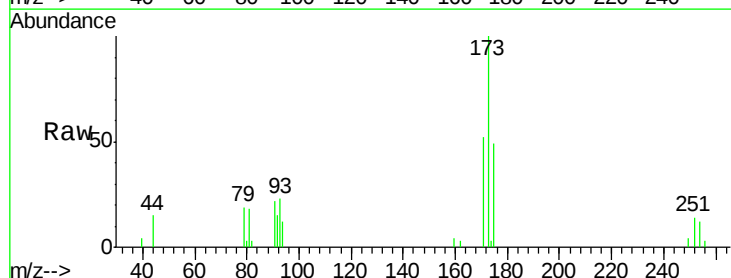
Tgt Ion: 173 Resp: 7350

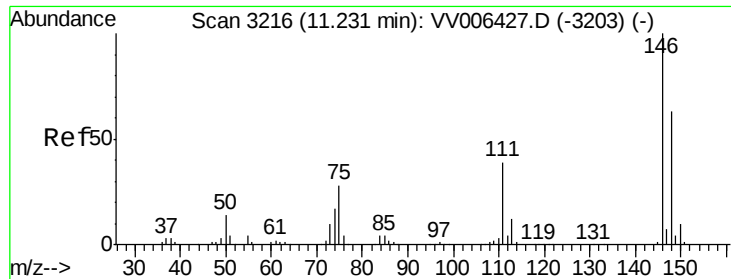
Ion Ratio Lower Upper

173 100

175 49.3 38.8 58.2

254 10.9 9.0 13.6

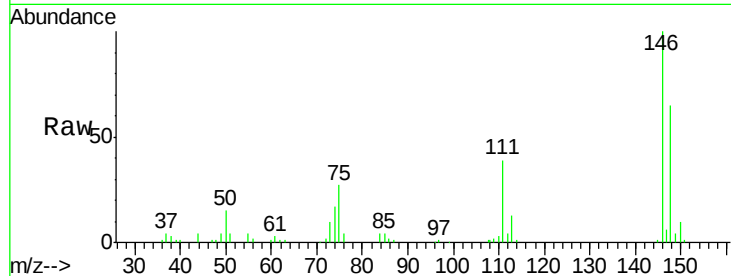




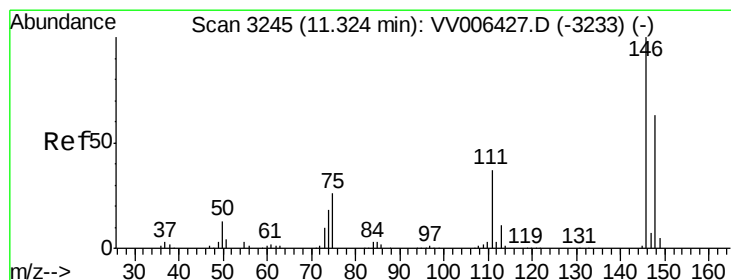
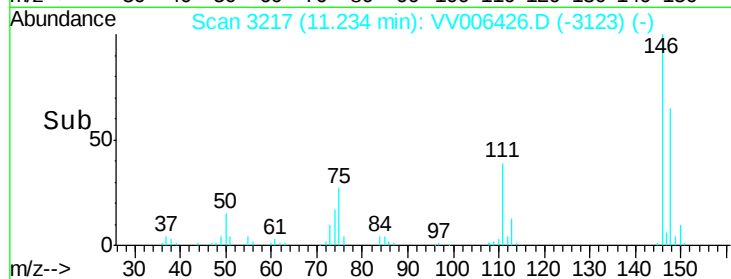
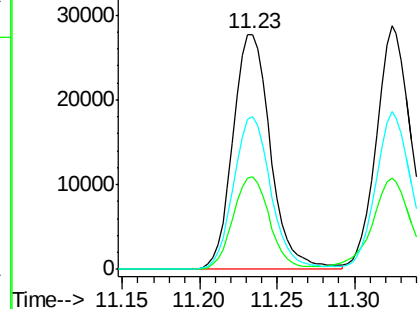
#62
 1,3-Dichlorobenzene
 Concen: 1.009 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00181

Tgt Ion:146 Resp: 46697
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.4 51.0
 148 65.2 44.1 81.9

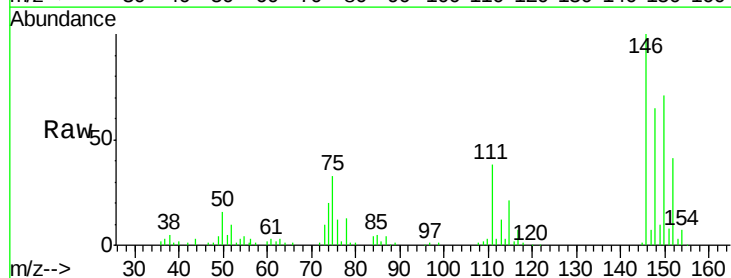


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

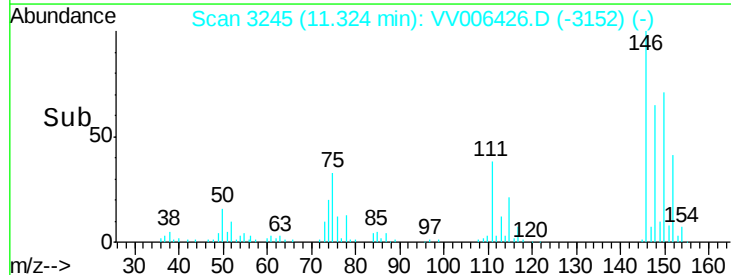
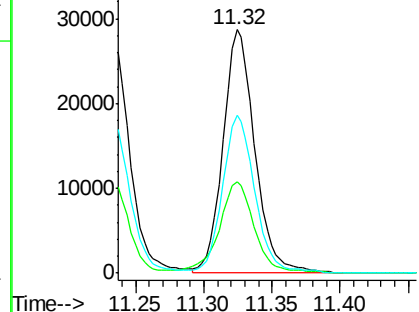


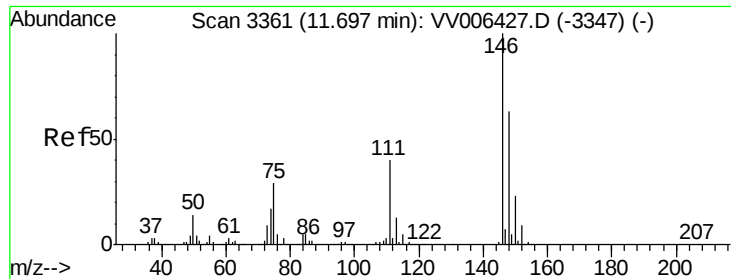
#63
 1,4-Dichlorobenzene
 Concen: 1.007 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Tgt Ion:146 Resp: 46615
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.3 48.9
 148 64.6 44.0 81.6



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





#65

1,2-Dichlorobenzene

Concen: 1.012 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00181

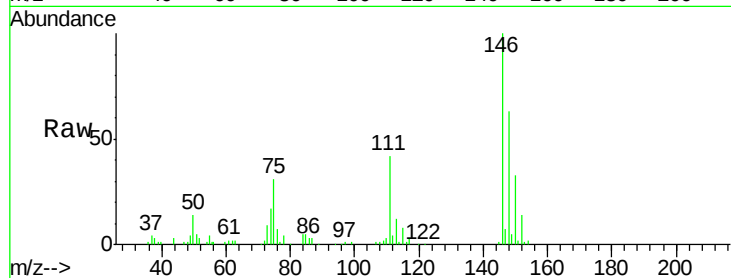
Tgt Ion:146 Resp: 43855

Ion Ratio Lower Upper

146 100

111 42.2 32.0 48.0

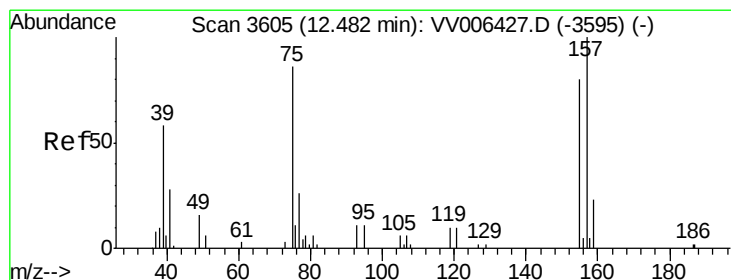
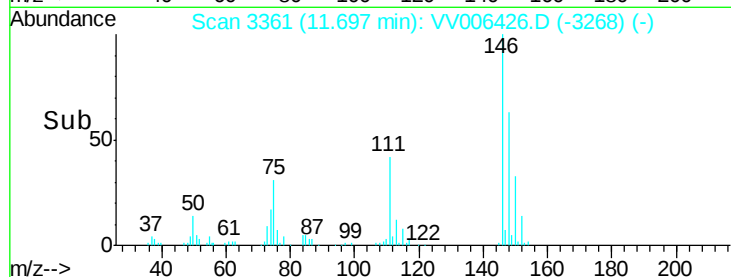
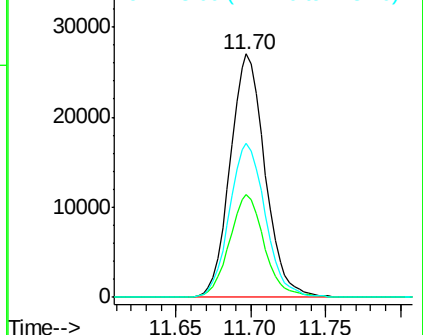
148 63.4 50.8 76.2



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: 0.814 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

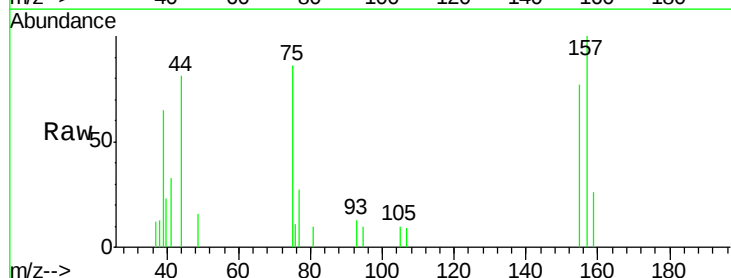
Tgt Ion: 75 Resp: 1498

Ion Ratio Lower Upper

75 100

155 90.1 73.9 110.9

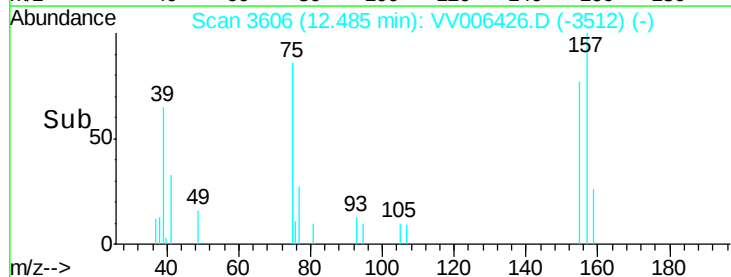
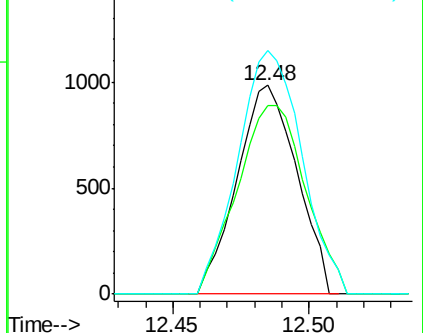
157 116.5 92.9 139.3

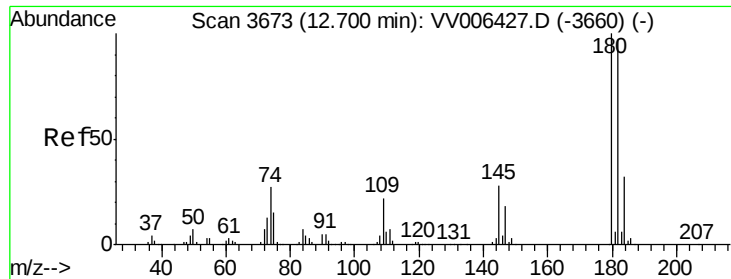


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

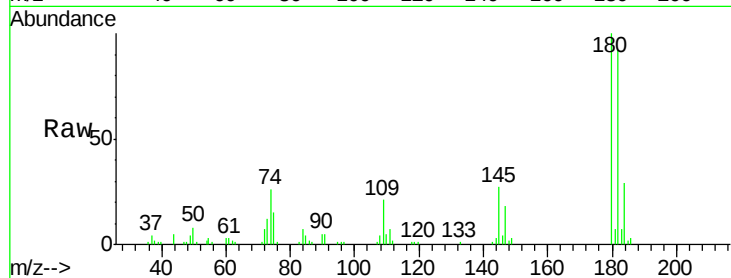




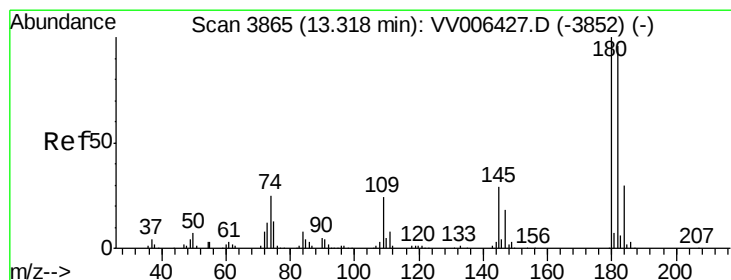
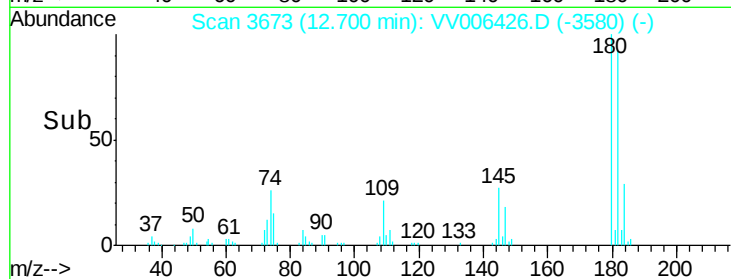
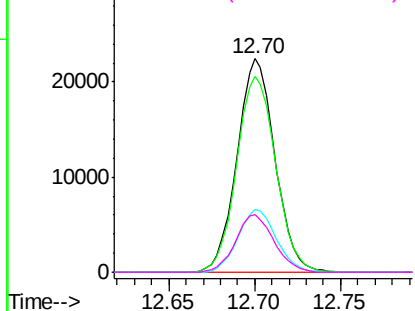
#67
 1,3,5-Trichlorobenzene
 Concen: 0.980 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00181

Tgt Ion:180 Resp: 34454
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 115.0
 184 29.7 24.5 36.7
 145 27.4 22.6 34.0

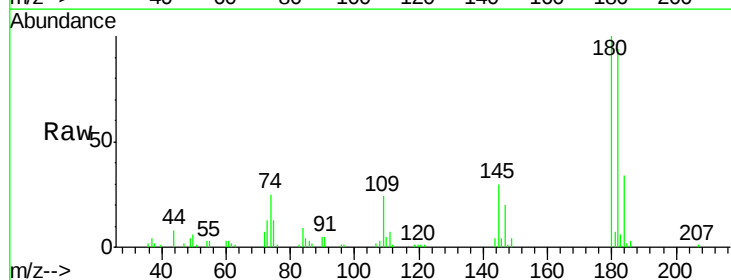


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

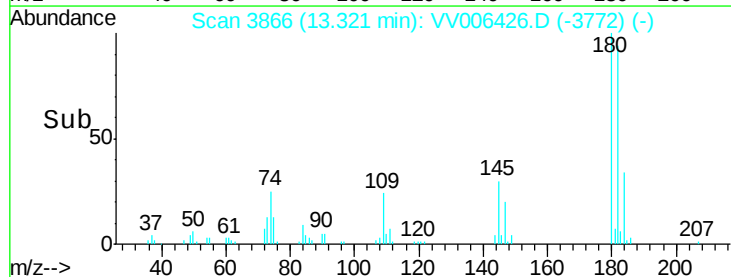
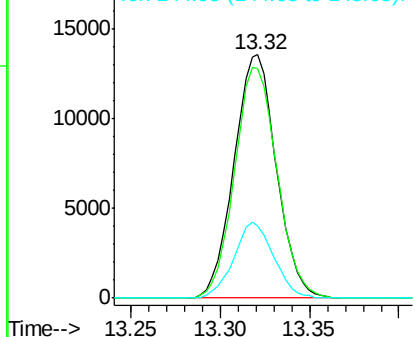


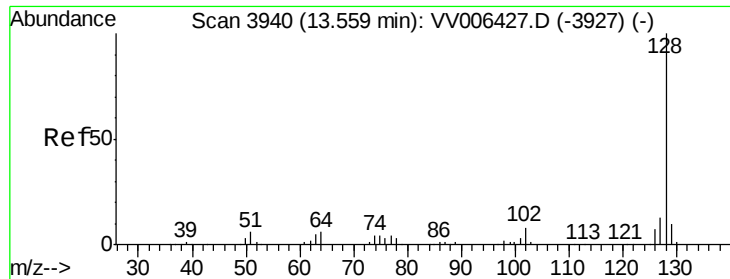
#68
 1,2,4-trichlorobenzene
 Concen: 0.870 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV006426.D
 Acq: 25 Jun 2018 11:18

Tgt Ion:180 Resp: 22426
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.7 115.1
 145 29.2 23.0 34.6



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: 0.746 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00181

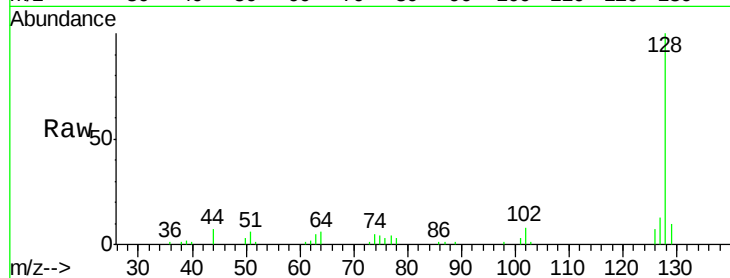
Tgt Ion:128 Resp: 28137

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

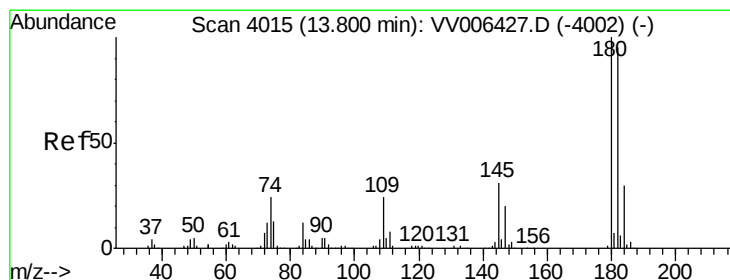
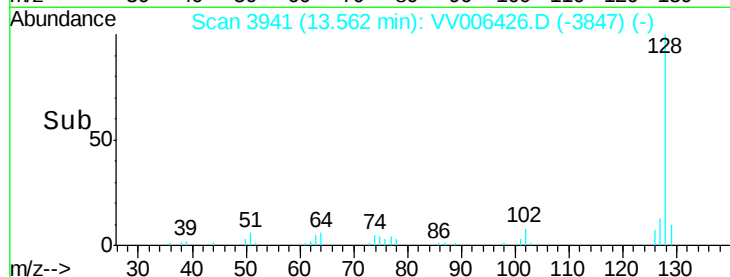
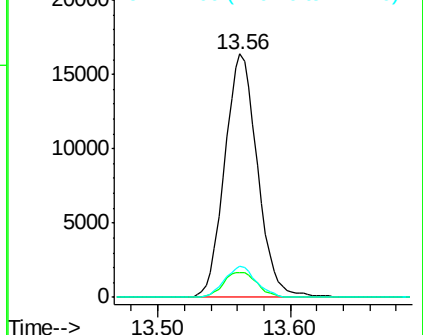
127 12.1 10.2 15.4



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: 0.903 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006426.D

Acq: 25 Jun 2018 11:18

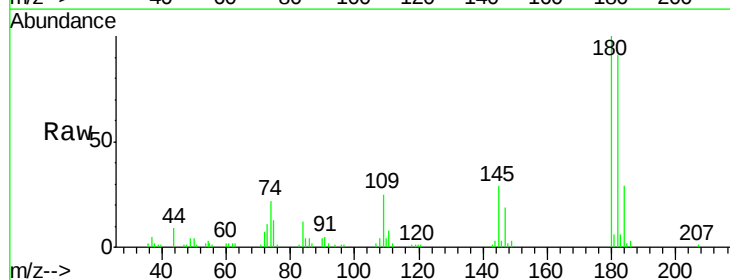
Tgt Ion:180 Resp: 21687

Ion Ratio Lower Upper

180 100

182 94.1 76.0 114.0

145 28.9 24.8 37.2



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

