

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
 Data File : VV006704.D
 Acq On : 23 Jul 2018 18:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Quant Time: Jul 24 02:35:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	248972	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231308	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	109557	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63691	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.57	69	50300	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.13	63	127318	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.95	46	220879	54.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.12%
24) Chloroform-d	4.41	84	129065	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.09	65	62070	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.10	84	245535	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.12	67	82588	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	218167	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	7.67	79	27197	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.14	63	181922	54.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.64%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	68109	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	83746	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	91322	4.076 ug/L	# 87
3) Chloromethane	1.26	50	98022	5.153 ug/L	97
5) Vinyl chloride	1.32	62	123006	5.163 ug/L	100
6) Bromomethane	1.52	94	28719	4.925 ug/L	98
8) Chloroethane	1.59	64	66037	5.064 ug/L	100
9) Trichlorofluoromethane	1.77	101	141550	5.179 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87396	5.247 ug/L	99
12) 1,1-Dichloroethene	2.14	96	82777	5.075 ug/L	95
13) Acetone	2.19	43	132060	51.266 ug/L	100
14) Carbon disulfide	2.31	76	276357	5.039 ug/L	99
15) Methyl Acetate	2.46	43	39719	5.201 ug/L	96
16) Methylene chloride	2.54	84	91411	4.889 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	206878	5.171 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	91965	5.191 ug/L	98
19) 1,1-Dichloroethane	3.23	63	169100	5.189 ug/L	99
21) 2-Butanone	4.04	43	225231	52.201 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	95158	5.151 ug/L	96

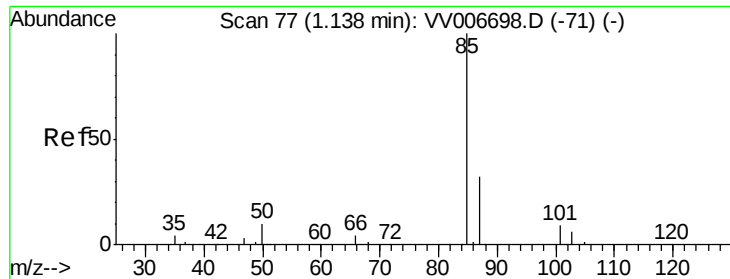
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	39525	5.200	ug/L	98
25) Chloroform	4.43	83	155217	5.076	ug/L	100
27) 1,2-Dichloroethane	5.19	62	92084	5.133	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	128381	5.159	ug/L	100
30) Cyclohexane	4.72	56	144951	5.202	ug/L	100
31) Carbon tetrachloride	4.88	117	110677	5.203	ug/L	100
33) Benzene	5.15	78	367288	5.282	ug/L	100
34) Trichloroethene	5.96	95	91851	5.232	ug/L	99
35) Methylcyclohexane	6.18	83	155206	5.293	ug/L	99
37) 1,2-Dichloropropane	6.23	63	91764	5.141	ug/L	100
38) Bromodichloromethane	6.56	83	103279	5.180	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	120026	5.162	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	522363	53.232	ug/L	99
42) Toluene	7.44	91	379278	5.297	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	95663	5.232	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	63322	5.267	ug/L	99
47) Tetrachloroethene	8.02	164	73440	5.267	ug/L	99
48) 2-Hexanone	8.19	43	373120	54.493	ug/L	100
49) Dibromochloromethane	8.30	129	66155	5.199	ug/L	99
50) 1,2-Dibromoethane	8.40	107	56815	5.288	ug/L	98
51) Chlorobenzene	8.93	112	242674	5.210	ug/L	100
52) Ethylbenzene	9.06	91	401097	5.255	ug/L	99
53) m,p-xylene	9.19	106	154540	5.363	ug/L	100
54) o-xylene	9.59	106	150963	5.378	ug/L	98
55) Styrene	9.61	104	257997	5.449	ug/L	98
56) Isopropylbenzene	9.98	105	389768	5.347	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	75832	5.156	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	56294	5.358	ug/L	98
61) Bromoform	9.78	173	33732	5.066	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	175038	5.168	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	179760	5.208	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	171678	5.204	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10104	5.118	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	135389	5.236	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	106058	5.163	ug/L	99
69) Naphthalene	13.56	128	186427	5.304	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	104566	5.379	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.076 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

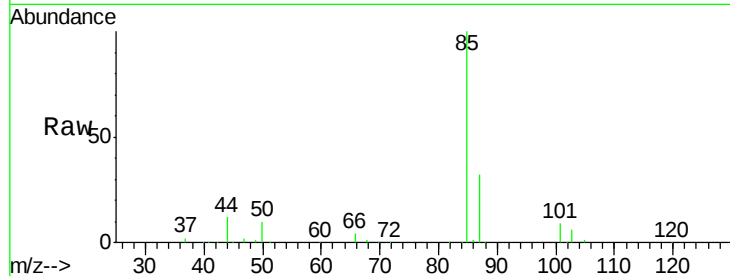
VSTD00580

Tgt Ion: 85 Resp: 91322

Ion Ratio Lower Upper

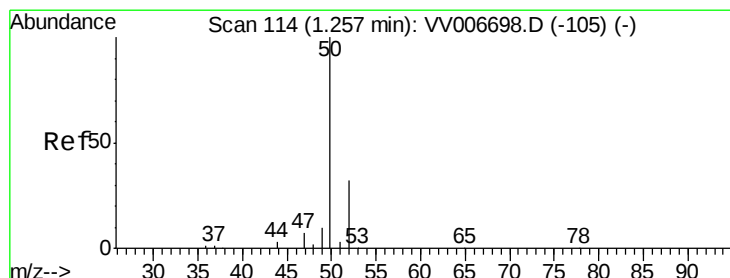
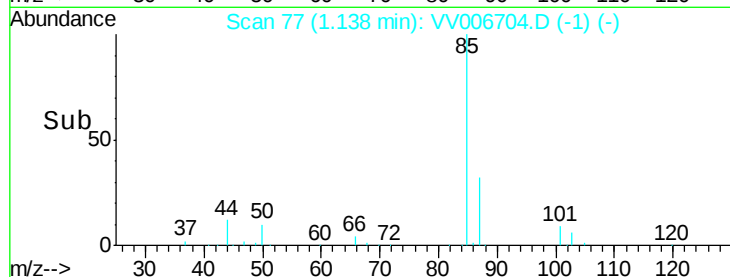
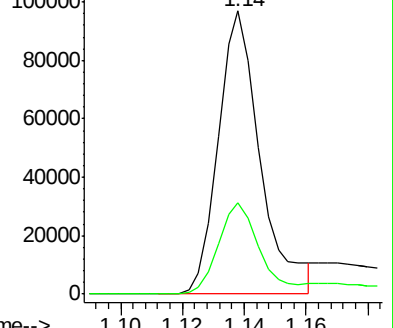
85 100

87 31.6 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV006698.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV006698.D (-71) (-)



#3

Chloromethane

Concen: 5.153 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006704.D

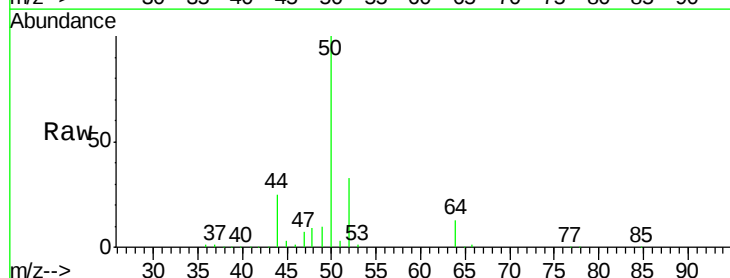
Acq: 23 Jul 2018 18:50

Tgt Ion: 50 Resp: 98022

Ion Ratio Lower Upper

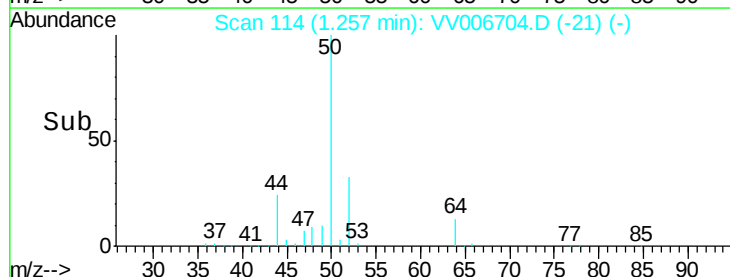
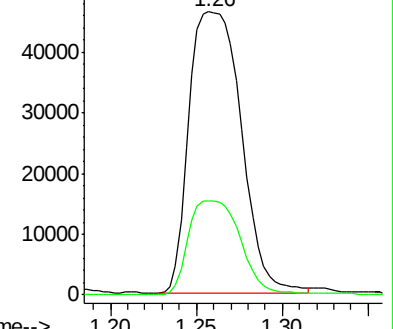
50 100

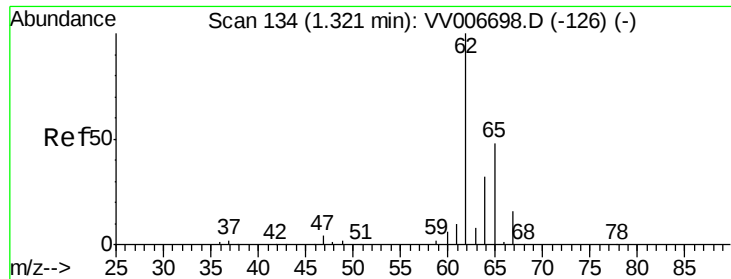
52 33.1 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006698.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006698.D (-105) (-)





#5

Vinyl chloride

Concen: 5.163 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

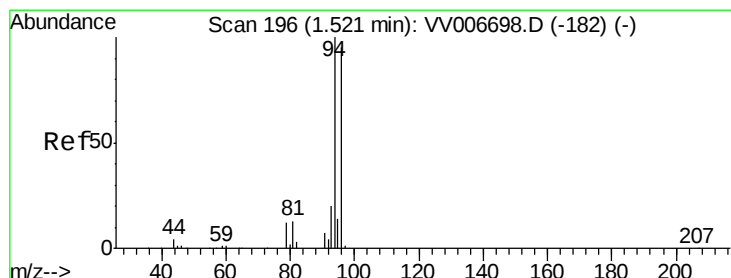
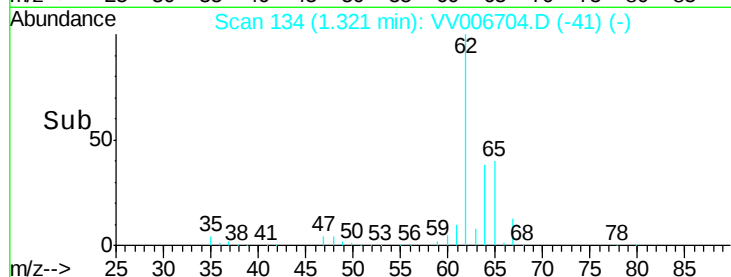
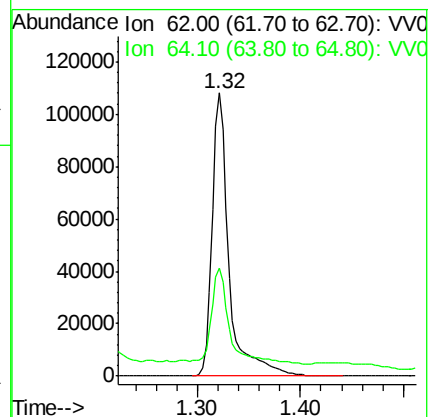
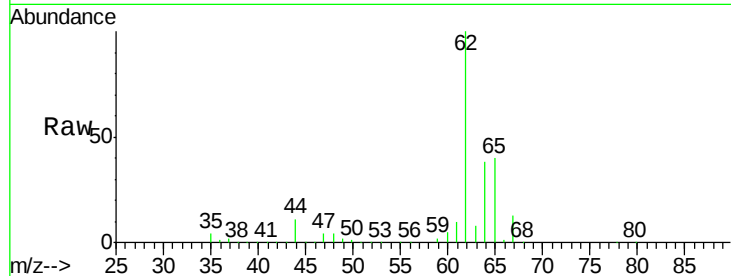
VSTD00580

Tgt Ion: 62 Resp: 123006

Ion Ratio Lower Upper

62 100

64 38.0 26.5 49.3



#6

Bromomethane

Concen: 4.925 ug/L

RT: 1.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VV006704.D

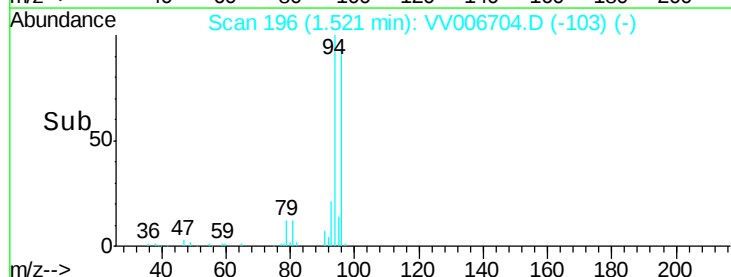
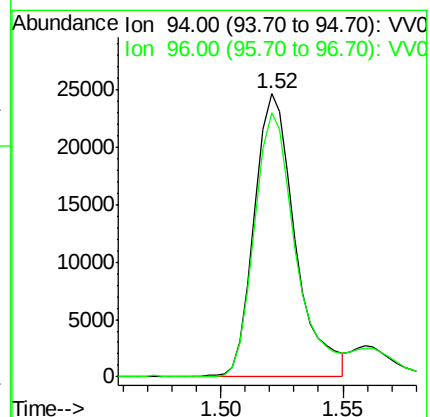
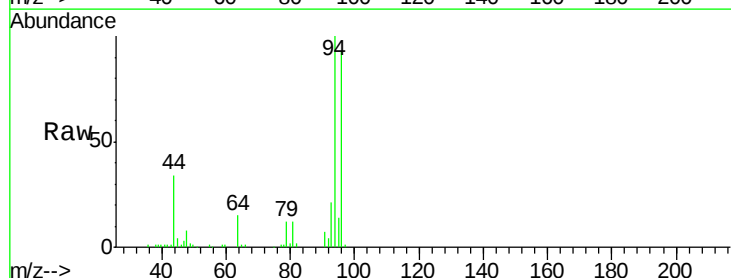
Acq: 23 Jul 2018 18:50

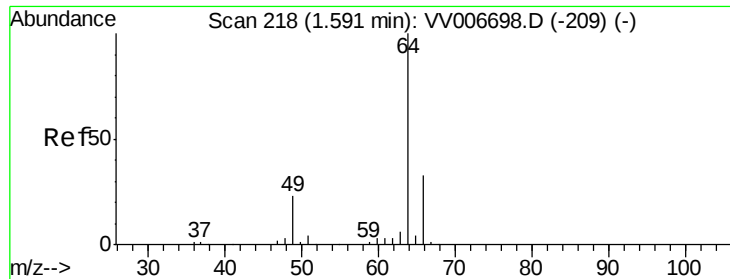
Tgt Ion: 94 Resp: 28719

Ion Ratio Lower Upper

94 100

96 93.2 66.4 123.4





#8

Chloroethane

Concen: 5.064 ug/L

RT: 1.59 min Scan# 218

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

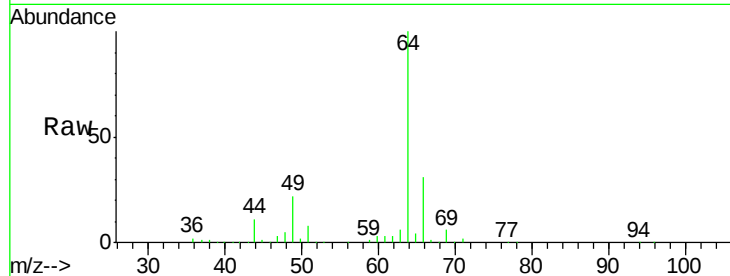
VSTD00580

Tgt Ion: 64 Resp: 66037

Ion Ratio Lower Upper

64 100

66 31.0 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV006698.D (-209) (-)

Ion 66.05 (65.75 to 66.75): VV006698.D (-209) (-)

1.59

60000

40000

20000

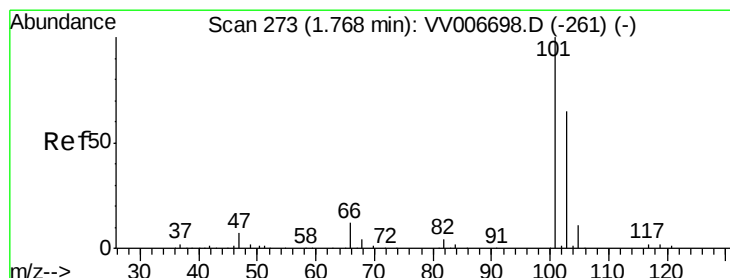
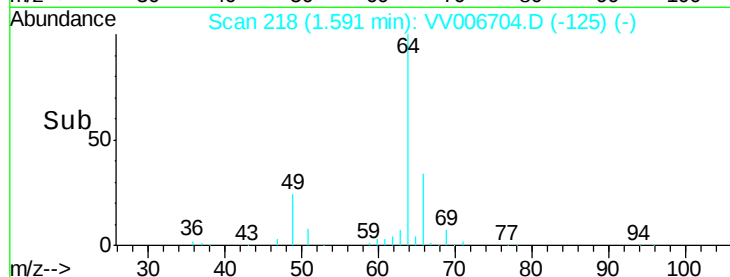
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.179 ug/L

RT: 1.77 min Scan# 272

Delta R.T. -0.00 min

Lab File: VV006704.D

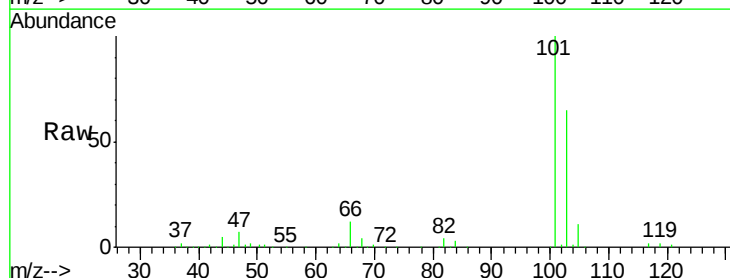
Acq: 23 Jul 2018 18:50

Tgt Ion: 101 Resp: 141550

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006698.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV006698.D (-261) (-)

1.77

120000

100000

80000

60000

40000

20000

0

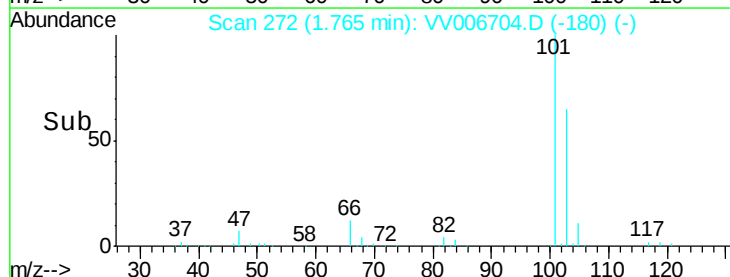
1.70

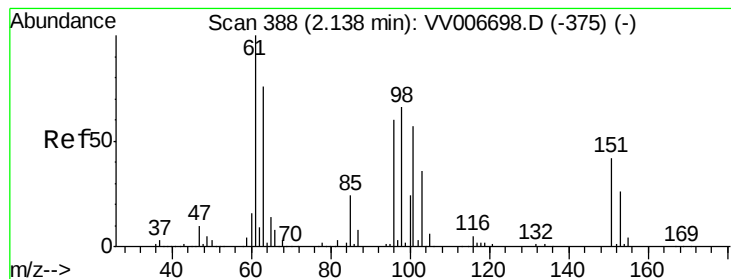
1.75

1.80

1.85

Time-->





#10

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

Concen: 5.247 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

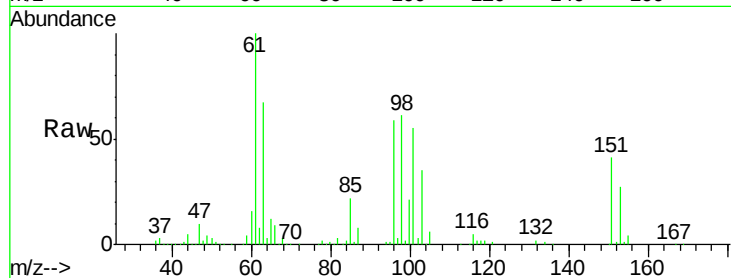
Tgt Ion: 101 Resp: 87396

Ion Ratio Lower Upper

101 100

85 41.2 33.1 49.7

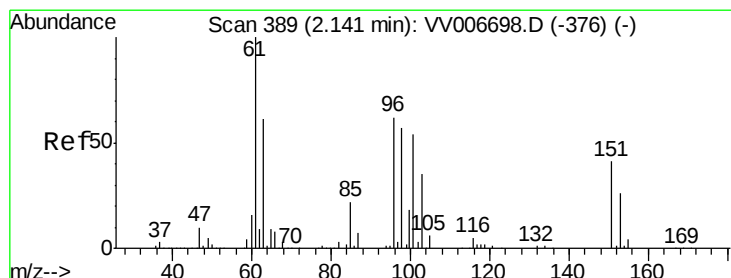
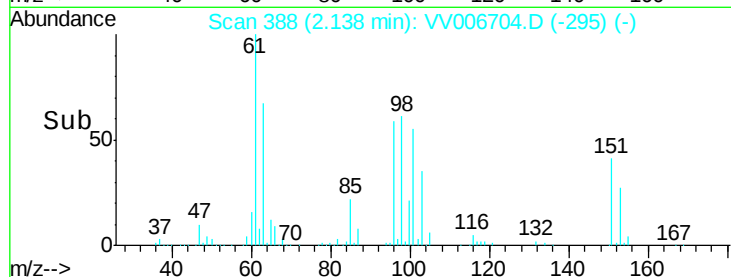
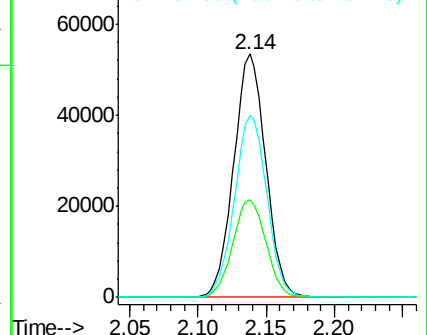
151 75.5 59.7 89.5



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: 5.075 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

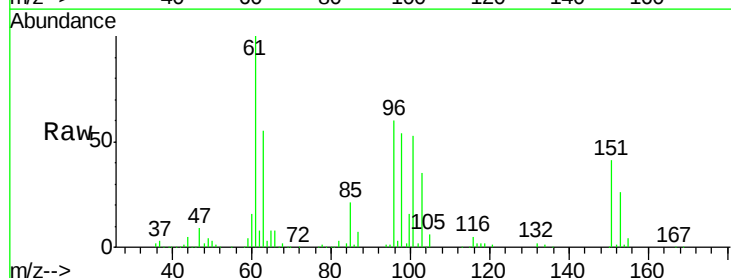
Tgt Ion: 96 Resp: 82777

Ion Ratio Lower Upper

96 100

61 165.8 113.5 210.9

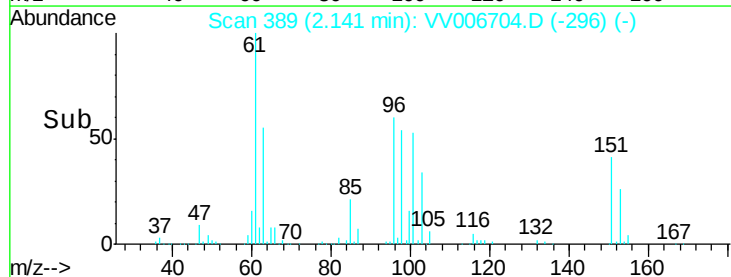
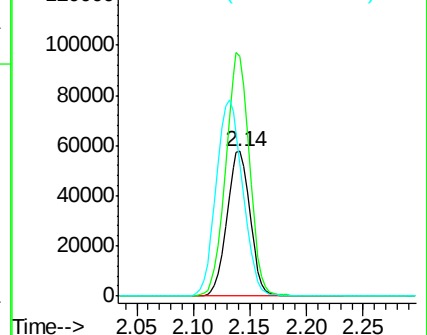
63 91.3 69.5 129.1

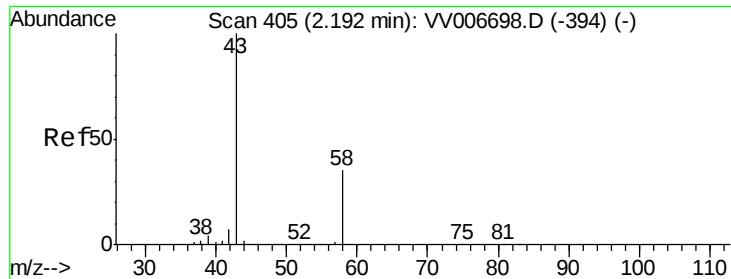


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.266 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

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MSVOA_V

ClientSampleId :

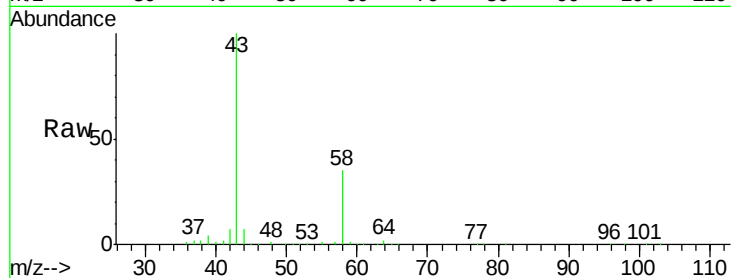
VSTD00580

Tgt Ion: 43 Resp: 132060

Ion Ratio Lower Upper

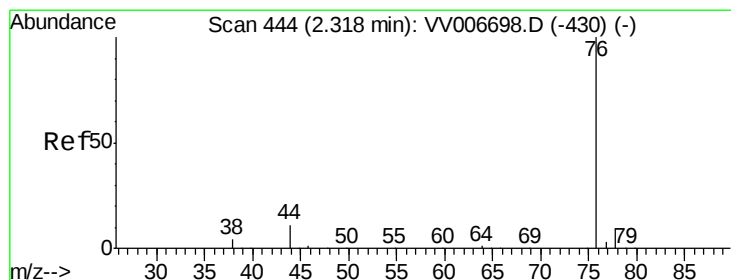
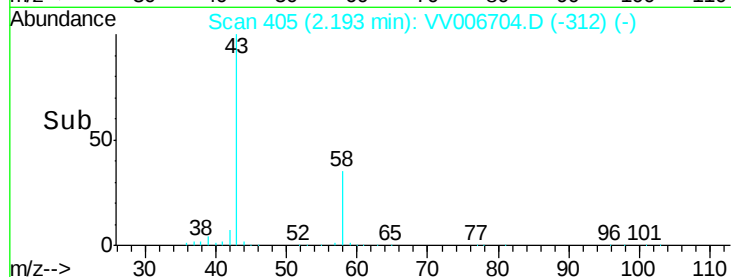
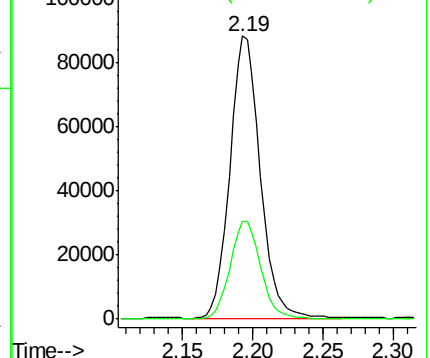
43 100

58 35.6 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.039 ug/L

RT: 2.31 min Scan# 443

Delta R.T. -0.00 min

Lab File: VV006704.D

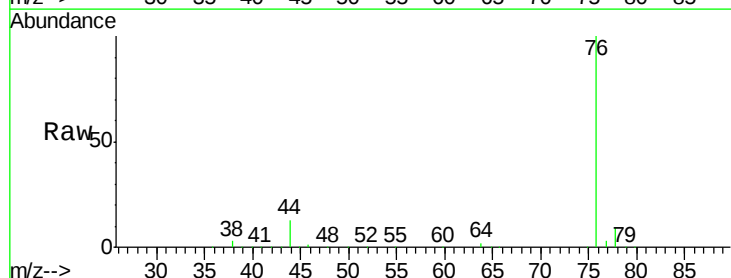
Acq: 23 Jul 2018 18:50

Tgt Ion: 76 Resp: 276357

Ion Ratio Lower Upper

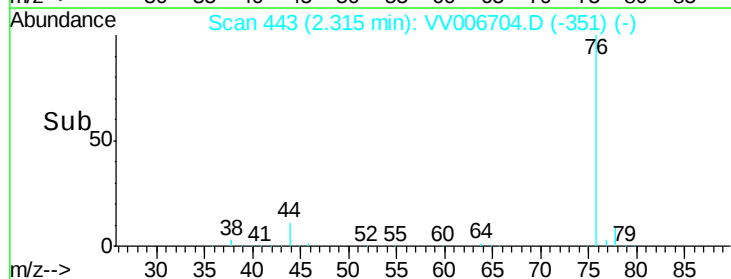
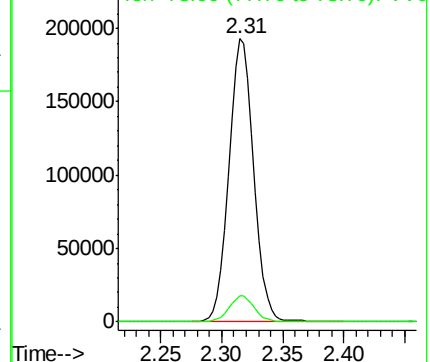
76 100

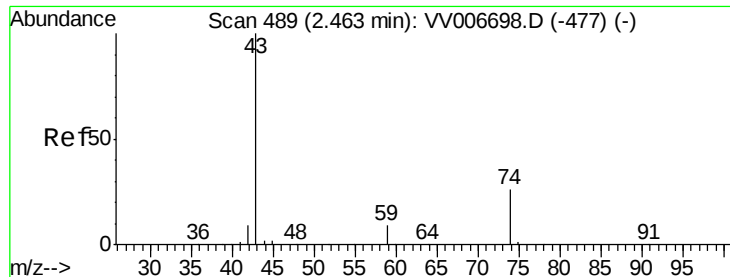
78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

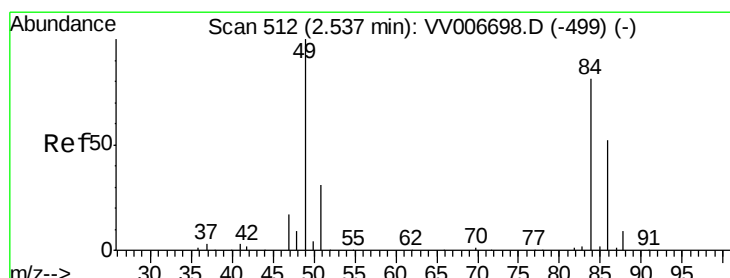
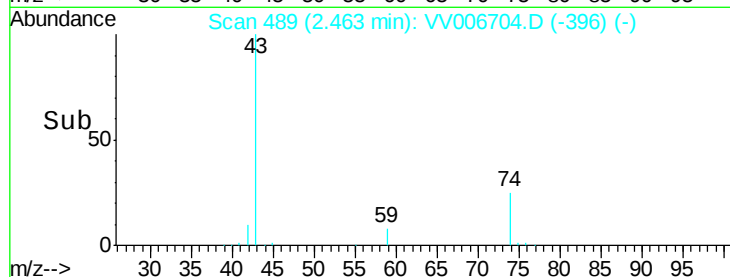
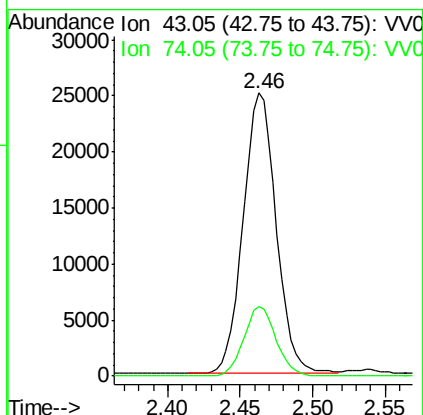
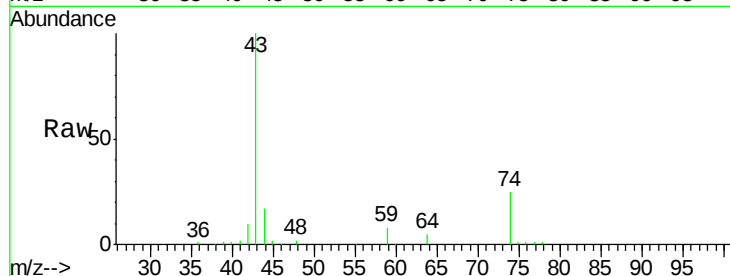




#15
Methyl Acetate
Concen: 5.201 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

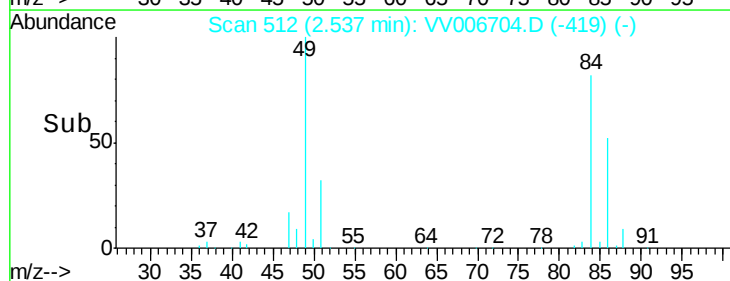
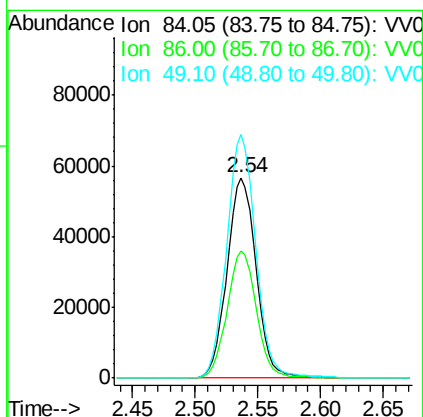
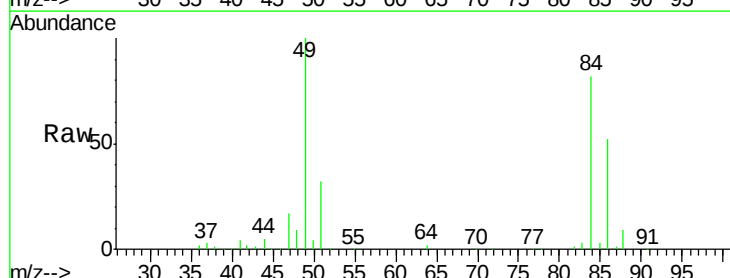
Instrument :
MSVOA_V
ClientSampled :
VSTD00580

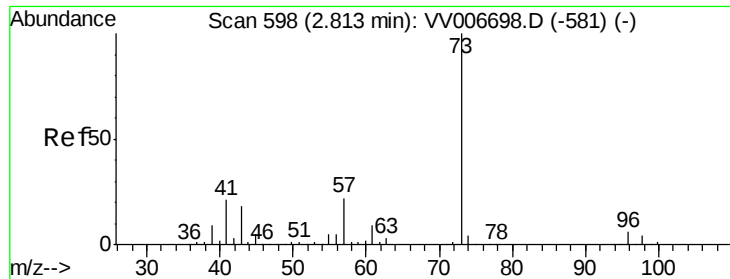
Tgt Ion: 43 Resp: 39719
Ion Ratio Lower Upper
43 100
74 23.9 20.6 31.0



#16
Methylene chloride
Concen: 4.889 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Tgt Ion: 84 Resp: 91411
Ion Ratio Lower Upper
84 100
86 63.8 44.7 83.1
49 121.7 86.7 160.9

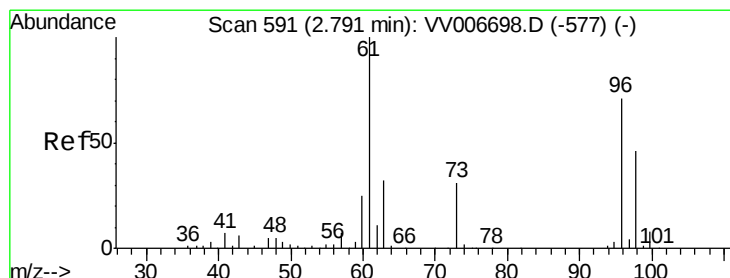
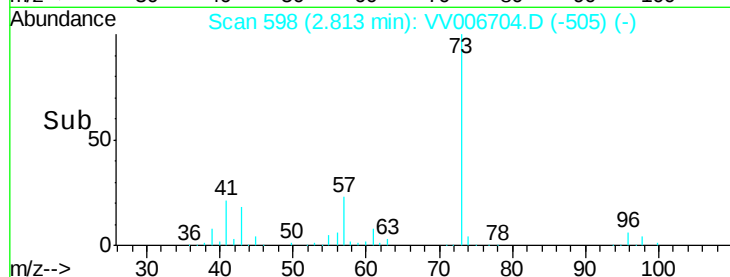
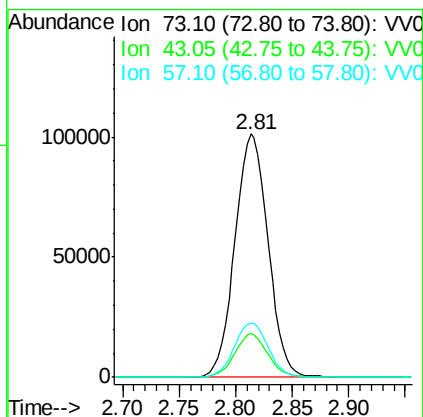
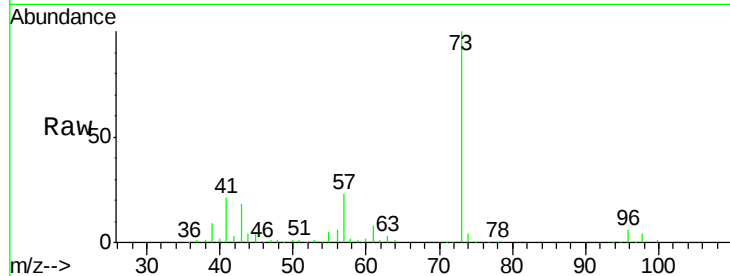




#17
Methyl tert-butyl Ether
Concen: 5.171 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

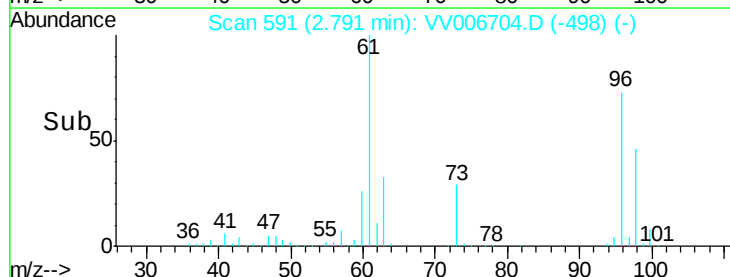
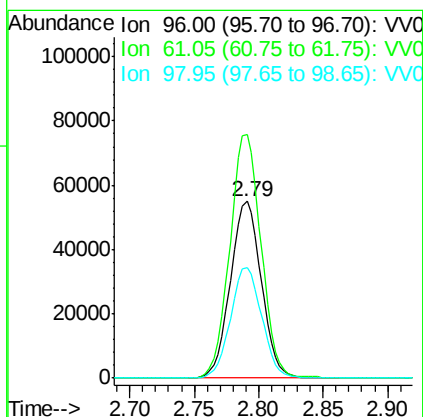
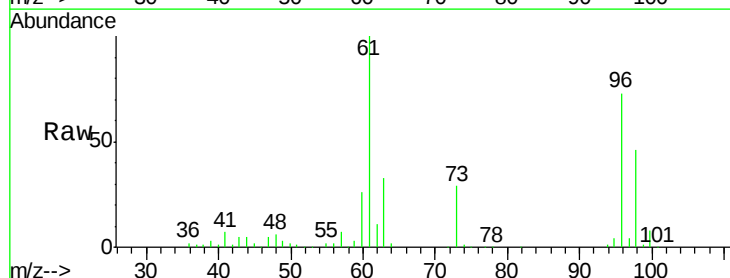
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

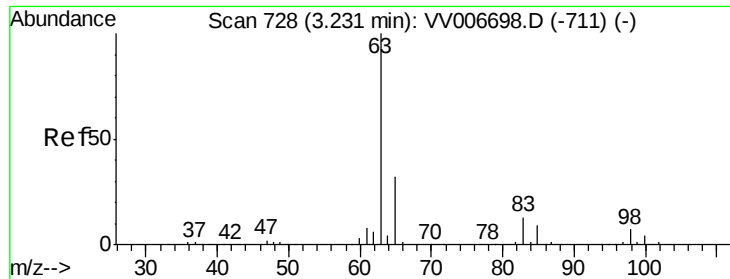
Tgt Ion: 73 Resp: 206878
Ion Ratio Lower Upper
73 100
43 17.2 14.2 21.4
57 22.8 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.191 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Tgt Ion: 96 Resp: 91965
Ion Ratio Lower Upper
96 100
61 137.9 98.5 182.9
98 62.8 45.4 84.4

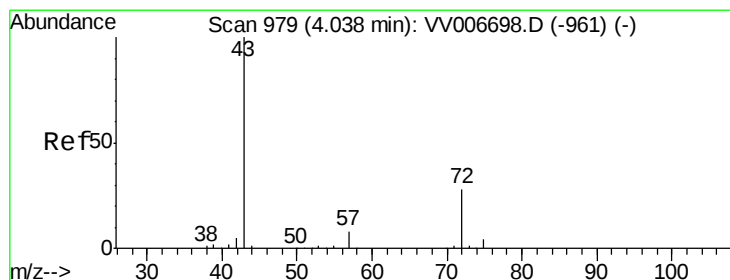
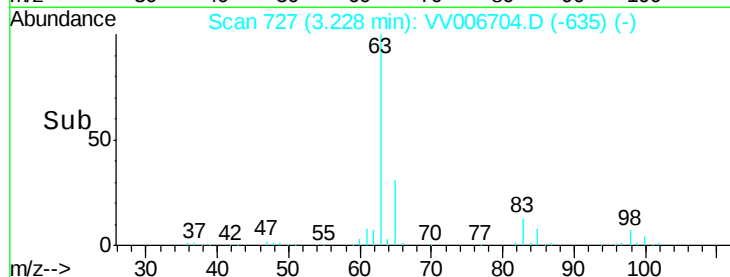
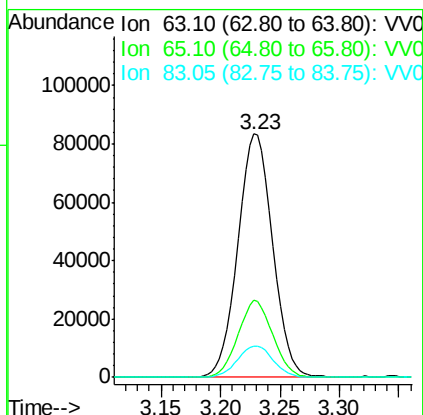
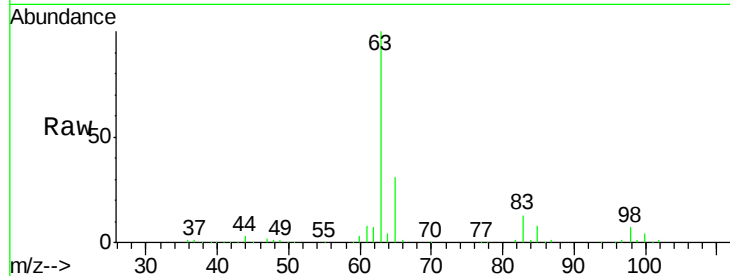




#19
 1,1-Dichloroethane
 Concen: 5.189 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

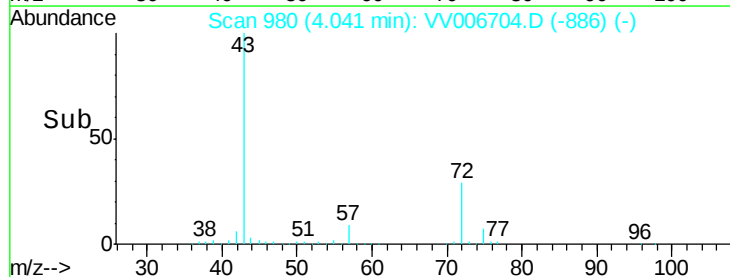
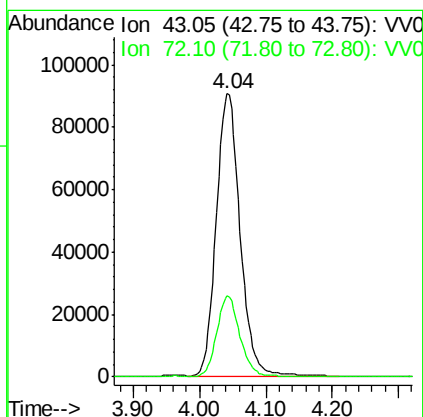
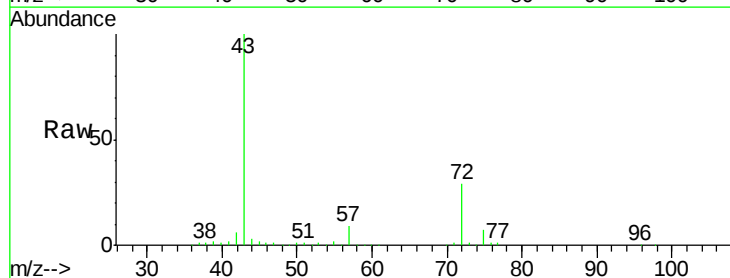
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00580

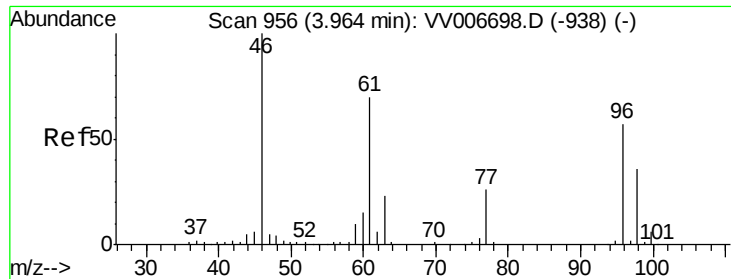
Tgt Ion: 63 Resp: 169100
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.4 41.6
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 52.201 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Tgt Ion: 43 Resp: 225231
 Ion Ratio Lower Upper
 43 100
 72 28.1 13.8 41.4





#22

cis-1,2-Dichloroethene

Concen: 5.151 ug/L

RT: 3.96 min Scan# 956

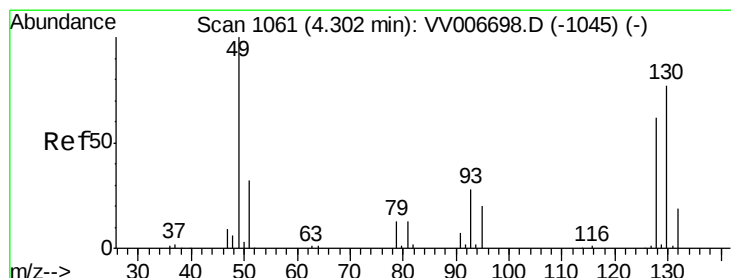
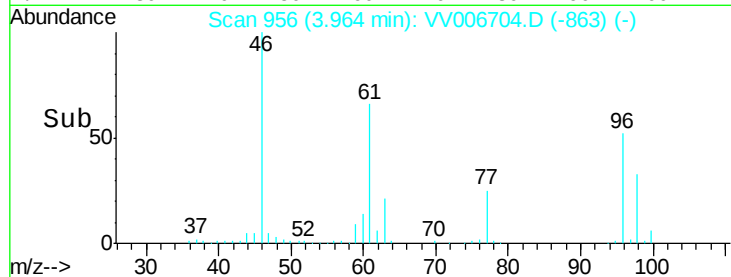
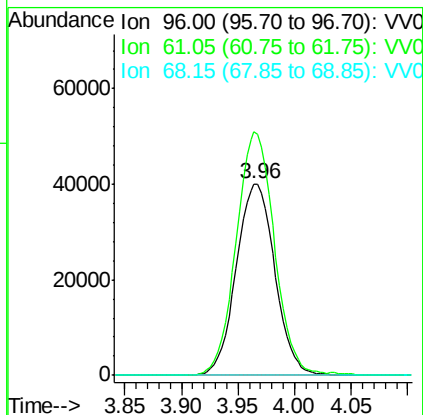
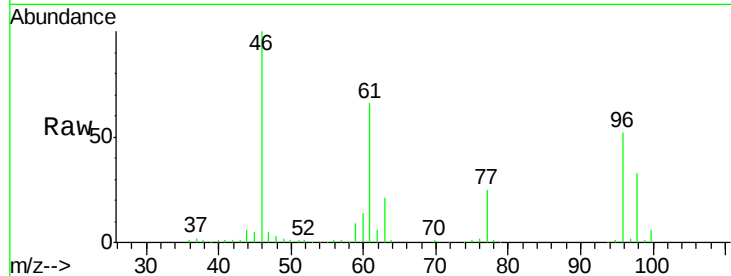
Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion:	96	Resp:	95158
Ion	Ratio	Lower	Upper
96	100		
61	127.2	85.5	158.9
68	0.0	0.0	0.0



#23

Bromochloromethane

Concen: 5.200 ug/L

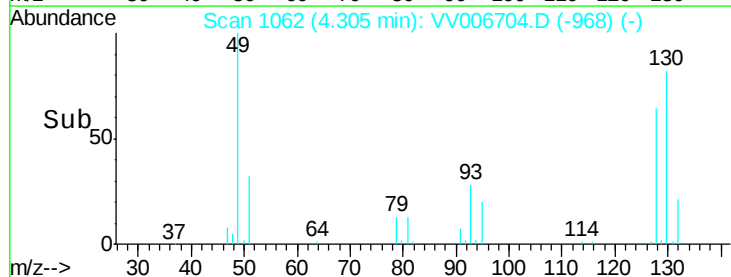
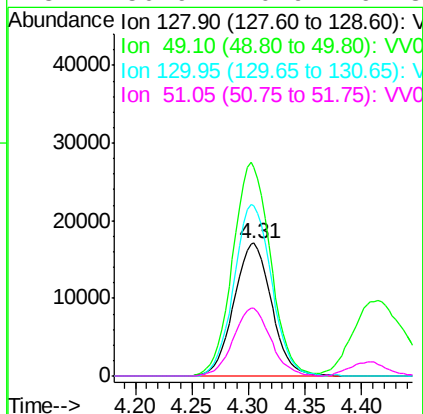
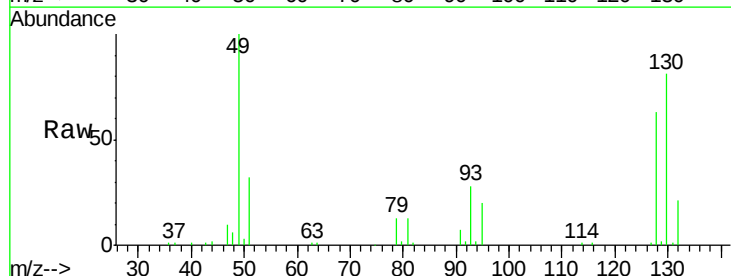
RT: 4.31 min Scan# 1062

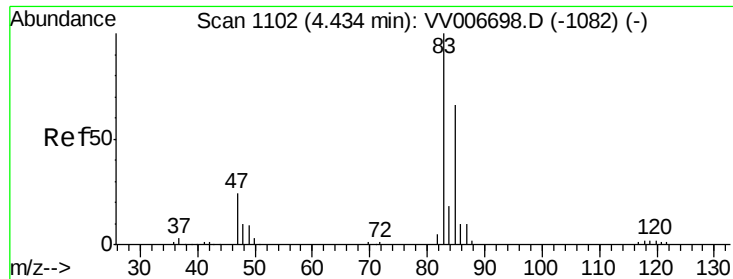
Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Tgt Ion:	128	Resp:	39525
Ion	Ratio	Lower	Upper
128	100		
49	157.7	112.6	209.0
130	128.2	87.1	161.7
51	50.9	40.9	61.3

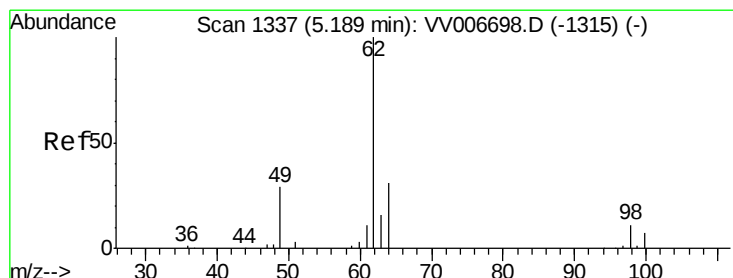
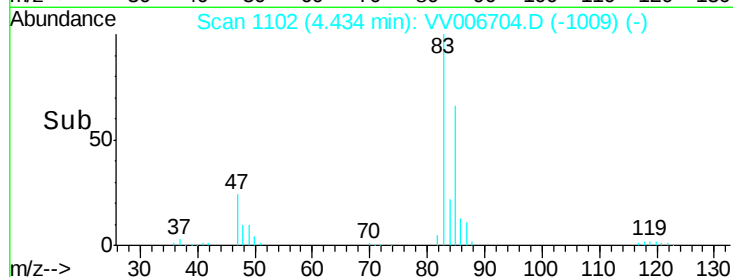
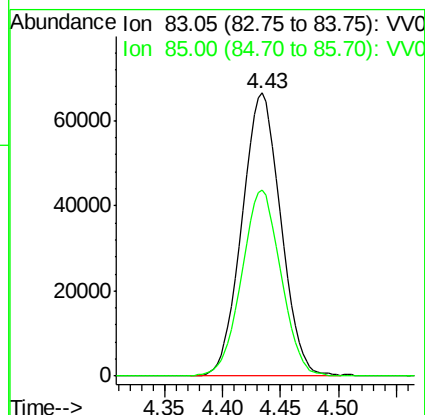
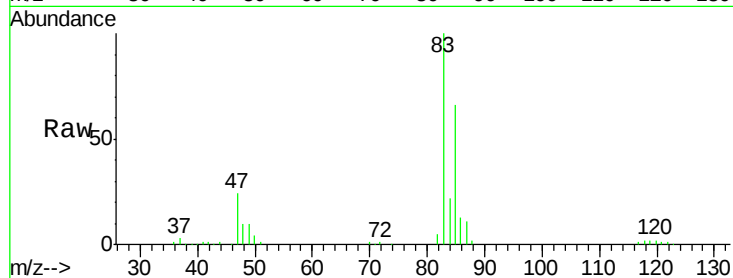




#25
Chloroform
Concen: 5.076 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

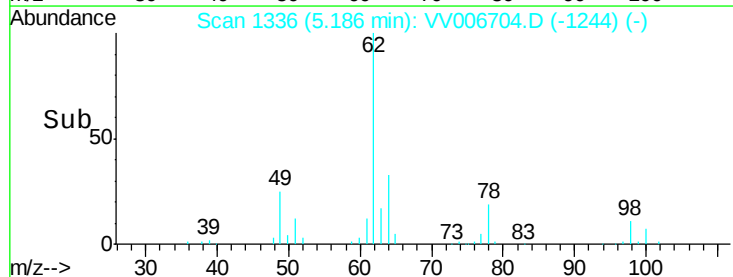
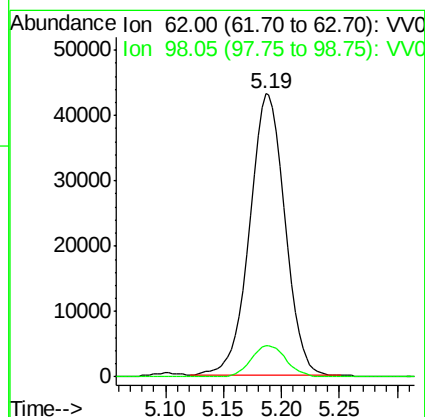
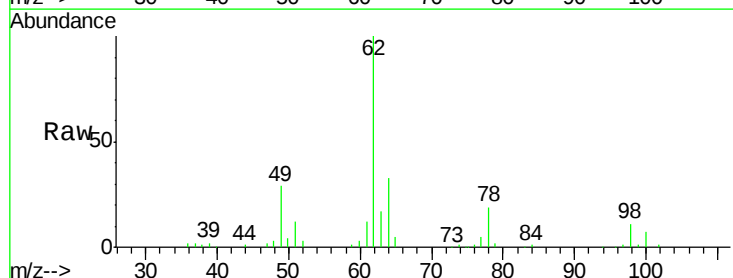
Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

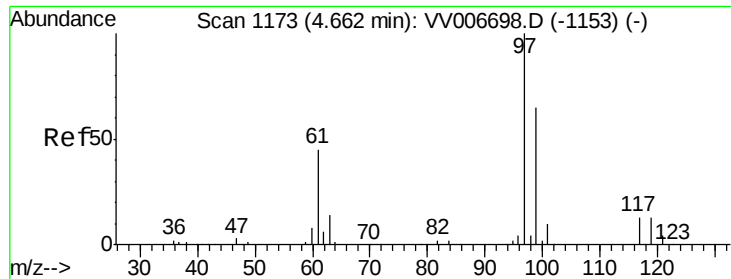
Tgt Ion: 83 Resp: 155217
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.133 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Tgt Ion: 62 Resp: 92084
Ion Ratio Lower Upper
62 100
98 11.1 8.4 12.6

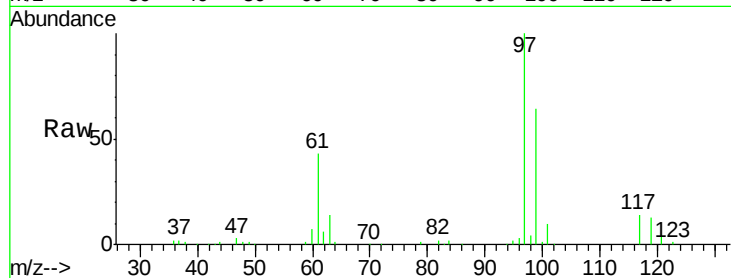




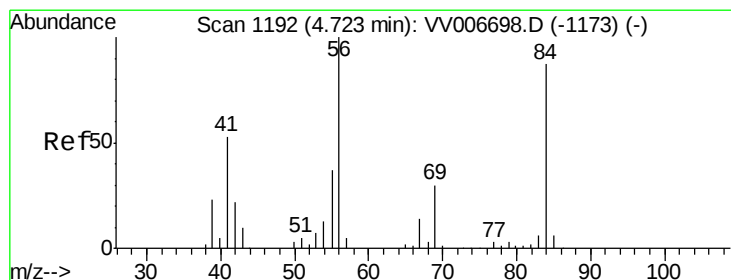
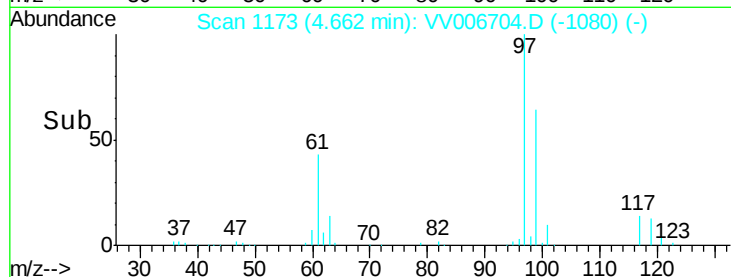
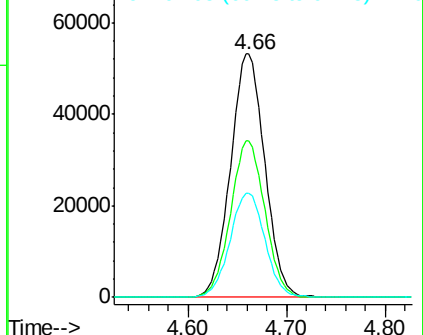
#29
 1,1,1-Trichloroethane
 Concen: 5.159 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion: 97 Resp: 128381
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 44.0 34.9 52.3

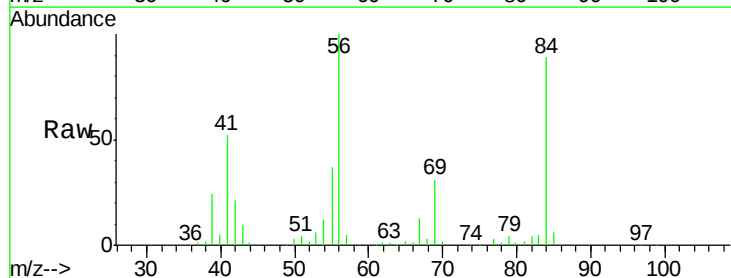


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

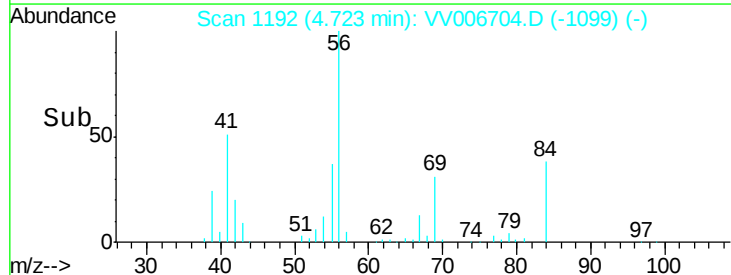
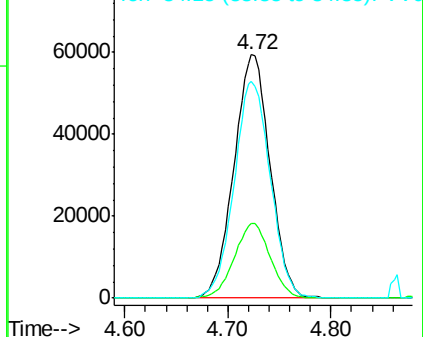


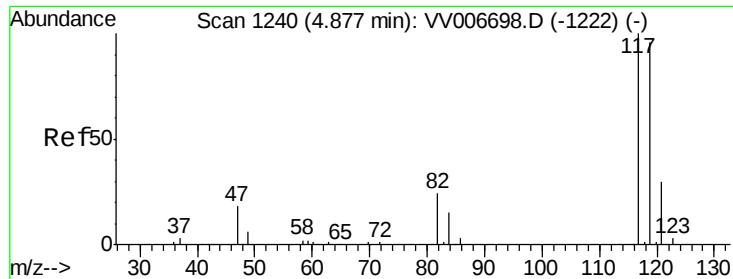
#30
 Cyclohexane
 Concen: 5.202 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Tgt Ion: 56 Resp: 144951
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.6 36.8
 84 89.2 71.4 107.2



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





#31

Carbon tetrachloride

Concen: 5.203 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

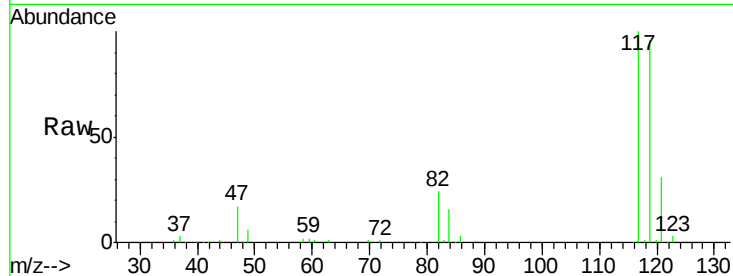
VSTD00580

Tgt Ion:117 Resp: 110677

Ion Ratio Lower Upper

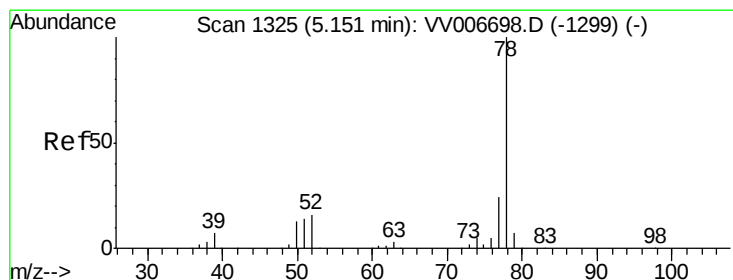
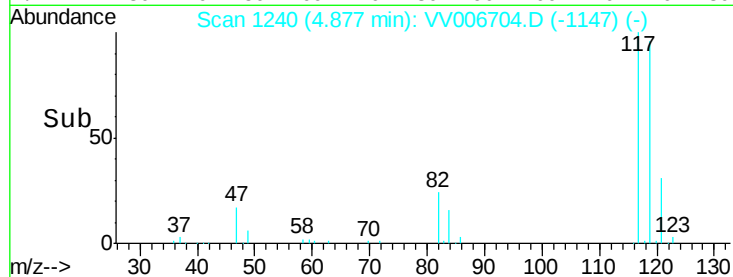
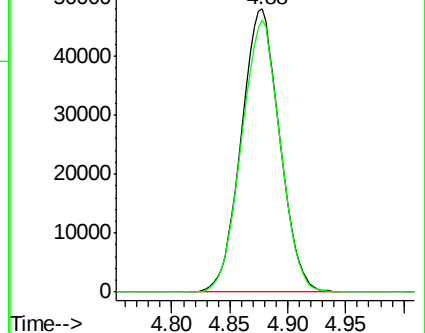
117 100

119 96.5 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.282 ug/L

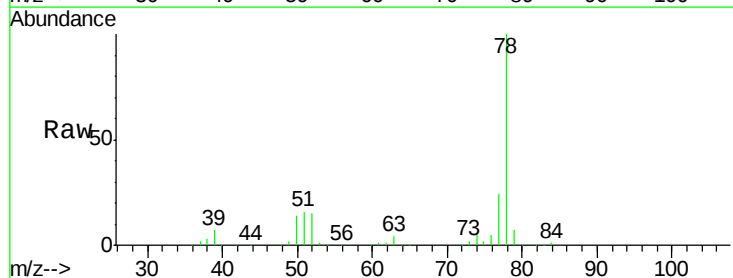
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

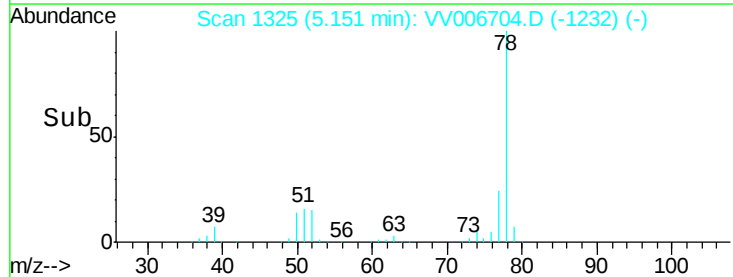
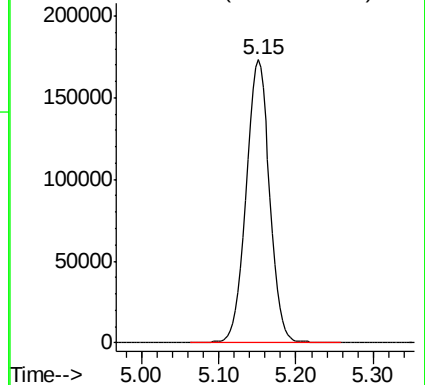
Lab File: VV006704.D

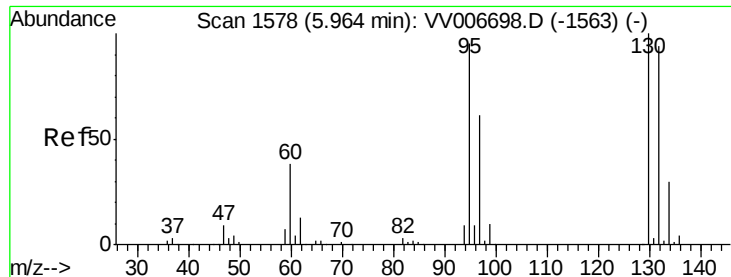
Acq: 23 Jul 2018 18:50

Tgt Ion: 78 Resp: 367288



Abundance Ion 78.10 (77.80 to 78.80): VV0

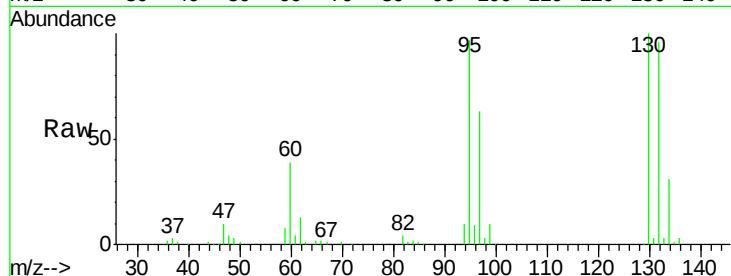




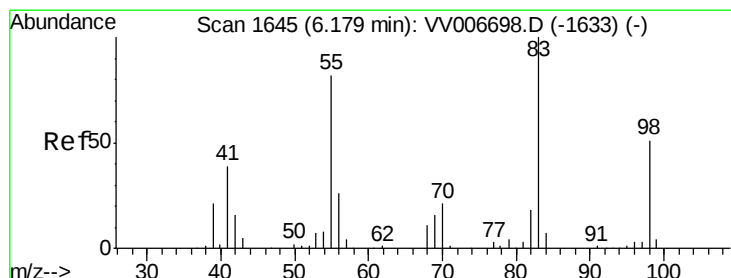
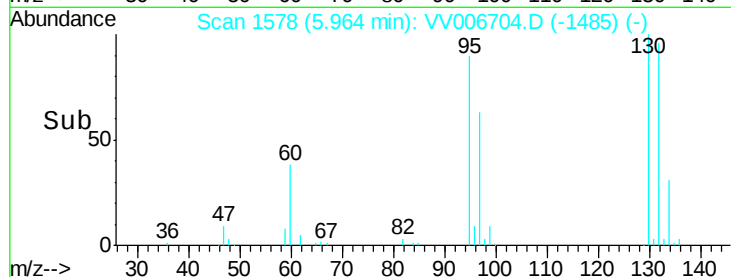
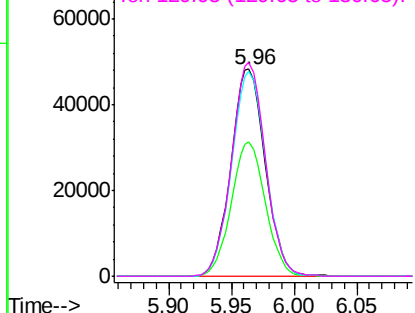
#34
 Trichloroethene
 Concen: 5.232 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion: 95 Resp: 91851
 Ion Ratio Lower Upper
 95 100
 97 64.9 44.9 83.3
 132 98.7 68.9 127.9
 130 103.2 73.4 136.4

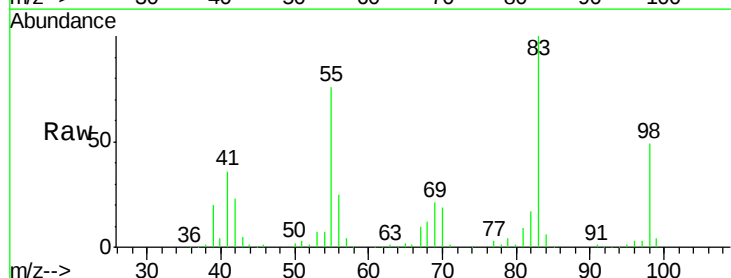


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

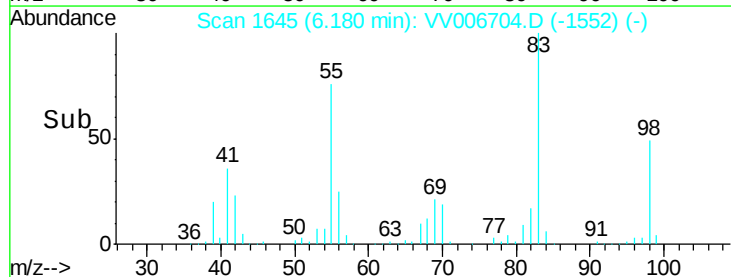
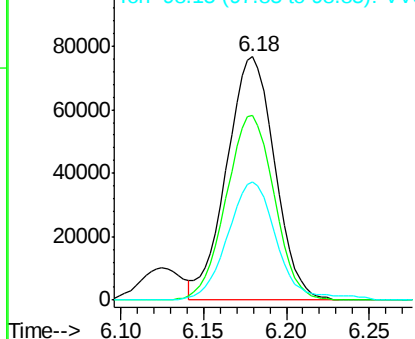


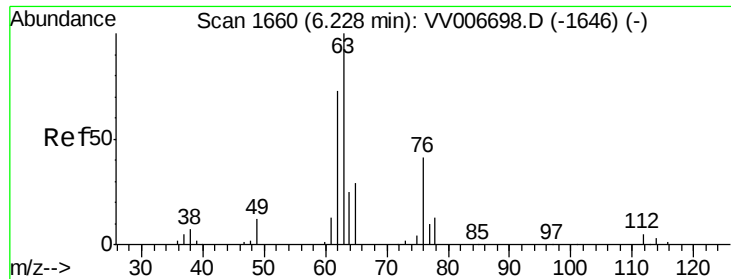
#35
 Methylcyclohexane
 Concen: 5.293 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Tgt Ion: 83 Resp: 155206
 Ion Ratio Lower Upper
 83 100
 55 76.0 61.9 92.9
 98 49.6 39.7 59.5



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





#37

1,2-Dichloropropane

Concen: 5.141 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

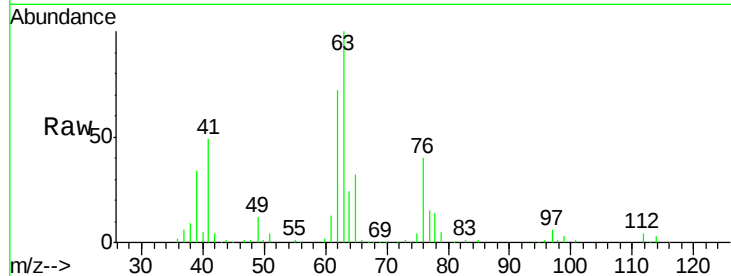
VSTD00580

Tgt Ion: 63 Resp: 91764

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6

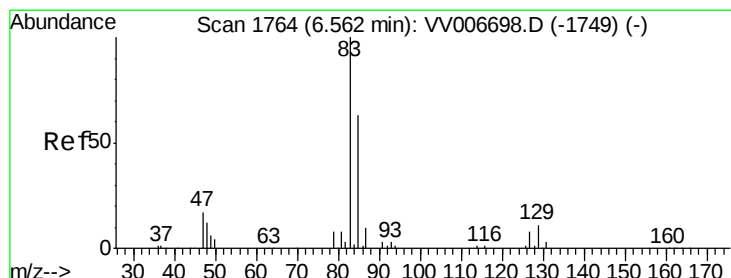
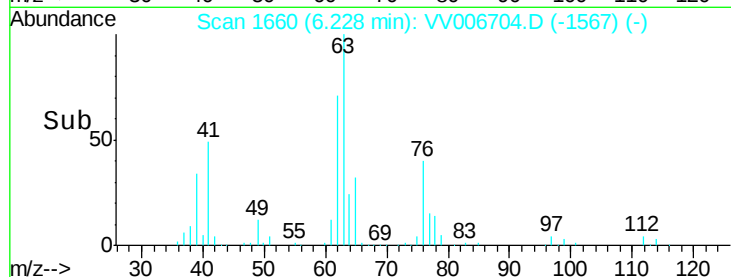


Abundance Ion 63.10 (62.80 to 63.80): VV006698.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006698.D (-1646) (-)

Time-->

6.15 6.20 6.25 6.30



#38

Bromodichloromethane

Concen: 5.180 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

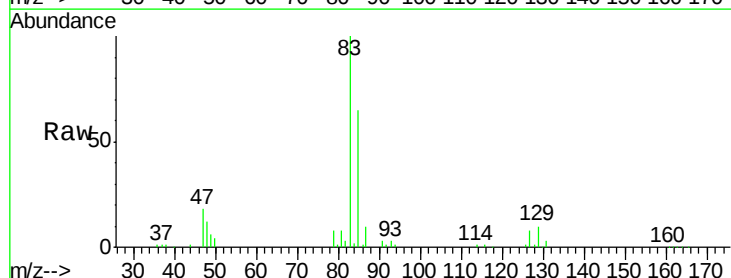
Tgt Ion: 83 Resp: 103279

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.4

127 8.2 6.6 9.8



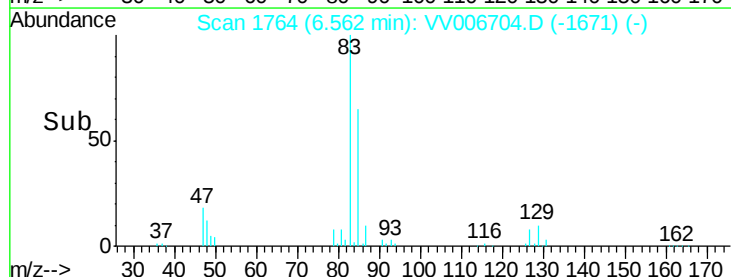
Abundance Ion 82.95 (82.65 to 83.65): VV006698.D (-1749) (-)

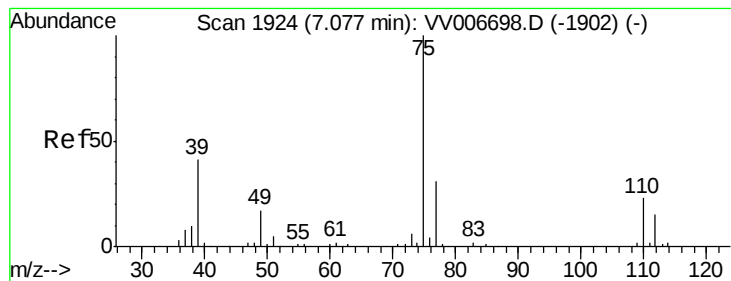
Ion 85.00 (84.70 to 85.70): VV006698.D (-1749) (-)

Ion 126.90 (126.60 to 127.60): VV006698.D (-1749) (-)

Time-->

6.50 6.55 6.60 6.70





#39

cis-1,3-Dichloropropene

Concen: 5.162 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

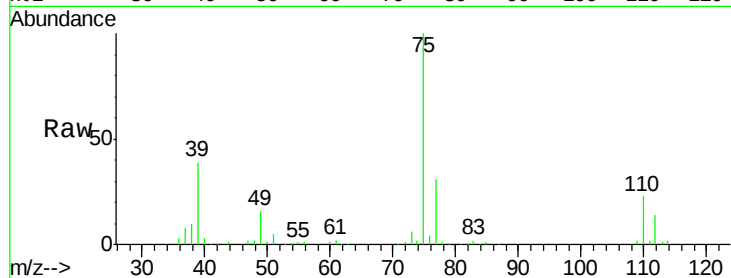
VSTD00580

Tgt Ion: 75 Resp: 120026

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.08

60000

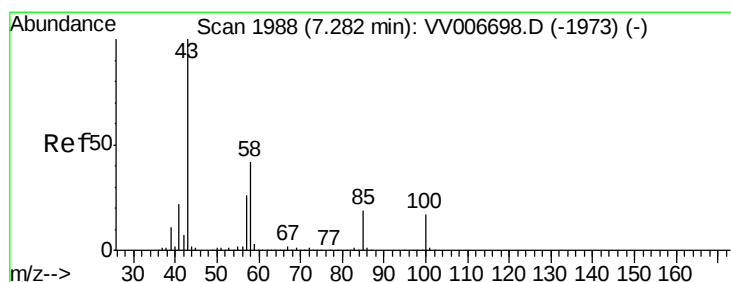
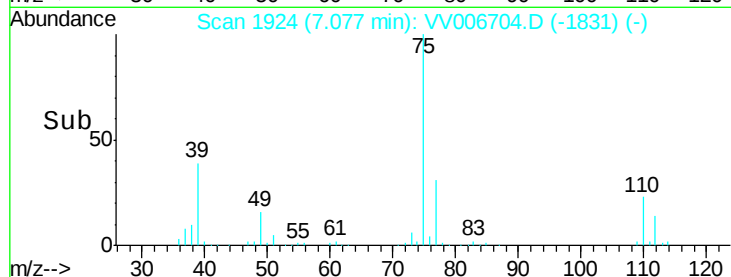
40000

20000

0

7.00 7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 53.232 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

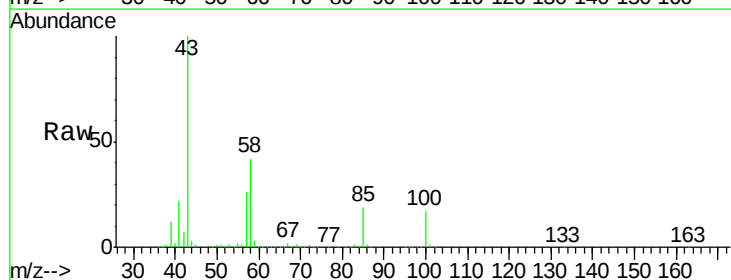
Tgt Ion: 43 Resp: 522363

Ion Ratio Lower Upper

43 100

58 42.2 33.4 50.0

100 17.2 13.6 20.4



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

7.28

400000

300000

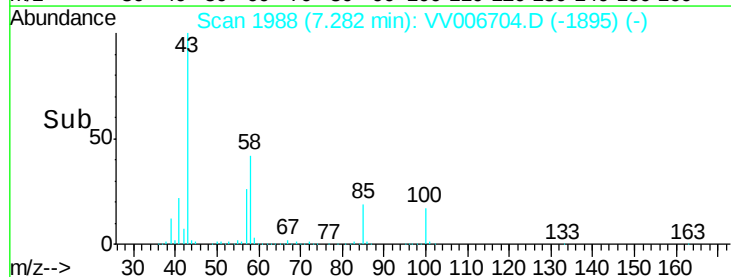
200000

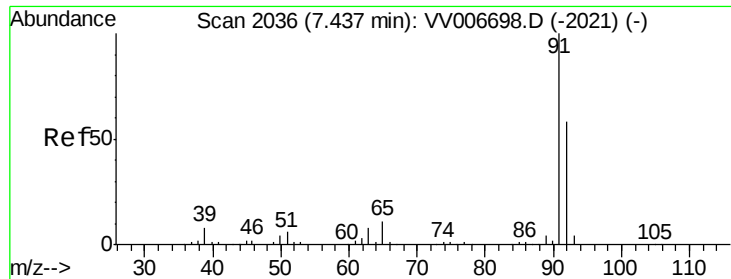
100000

0

7.20 7.25 7.30 7.35

Time-->





#42

Toluene

Concen: 5.297 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

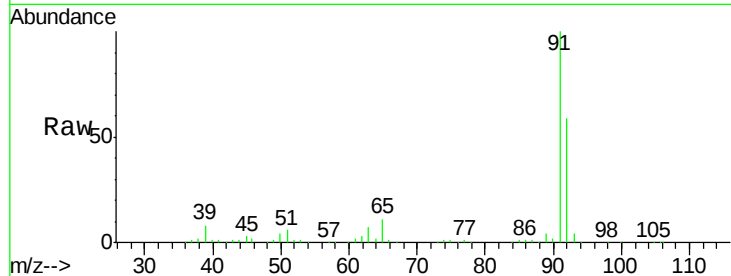
VSTD00580

Tgt Ion: 91 Resp: 379278

Ion Ratio Lower Upper

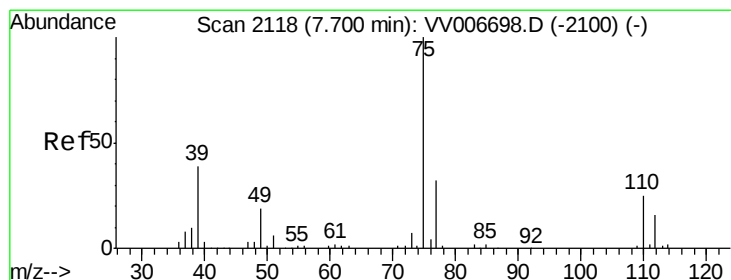
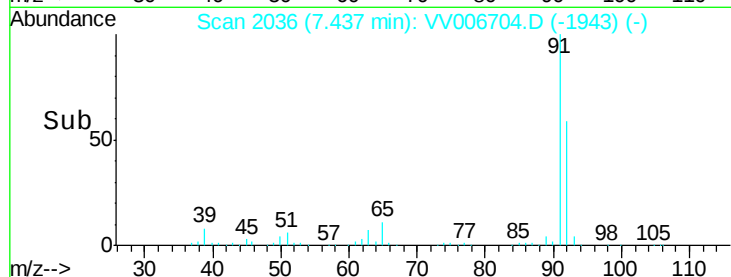
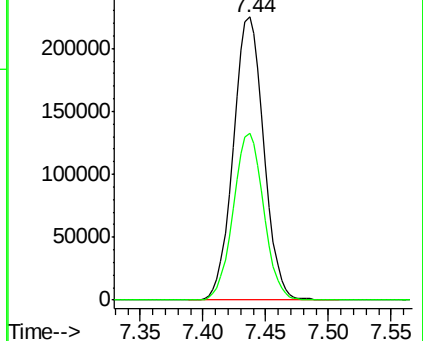
91 100

92 58.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006704.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006704.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.232 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006704.D

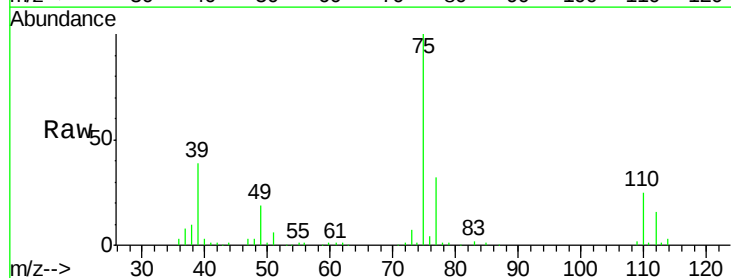
Acq: 23 Jul 2018 18:50

Tgt Ion: 75 Resp: 95663

Ion Ratio Lower Upper

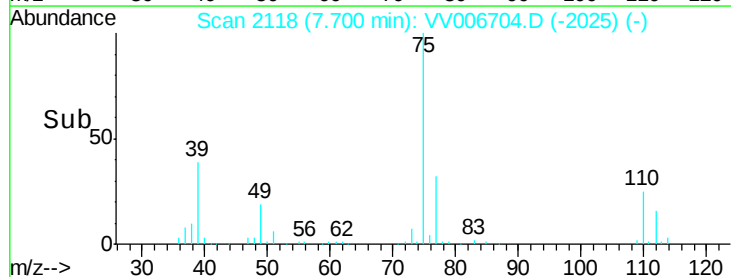
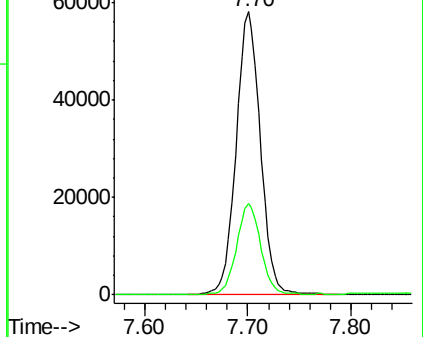
75 100

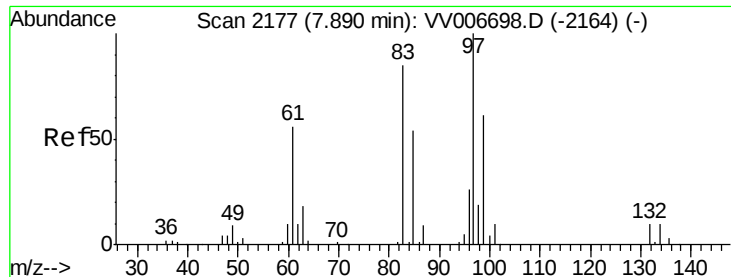
77 32.1 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV006704.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006704.D (-2025) (-)

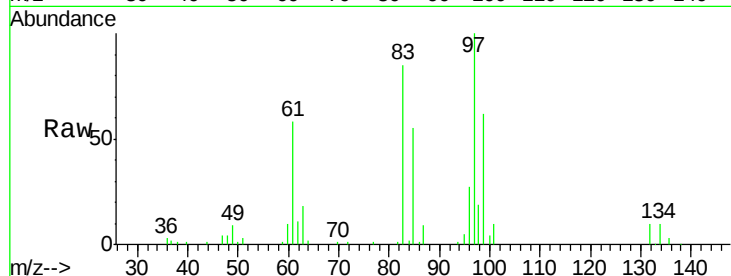




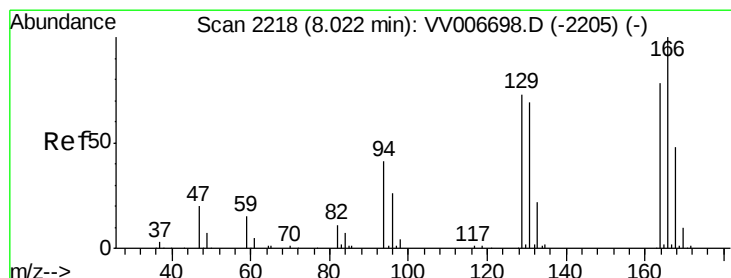
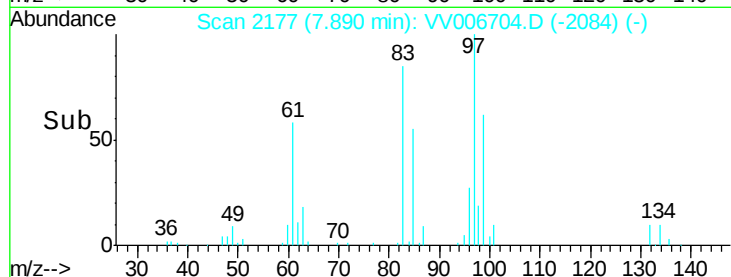
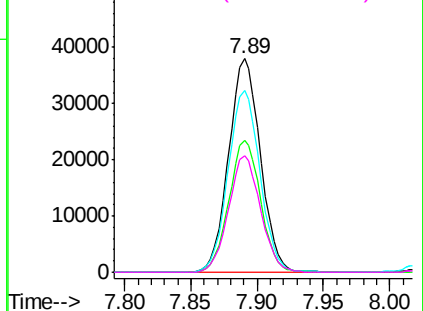
#45
 1,1,2-Trichloroethane
 Concen: 5.267 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion:	97	Resp:	63322
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.0	79.8
83	85.1	59.4	110.4
85	54.8	37.5	69.7

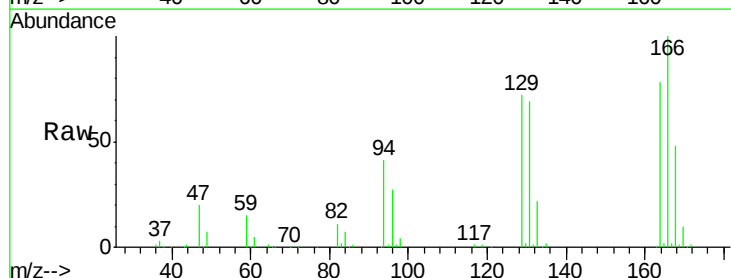


Abundance Ion 96.95 (96.65 to 97.65): VV006704.D (-2164) (-)
 Ion 99.05 (98.75 to 99.75): VV006704.D (-2164) (-)
 Ion 82.95 (82.65 to 83.65): VV006704.D (-2164) (-)
 Ion 85.00 (84.70 to 85.70): VV006704.D (-2164) (-)

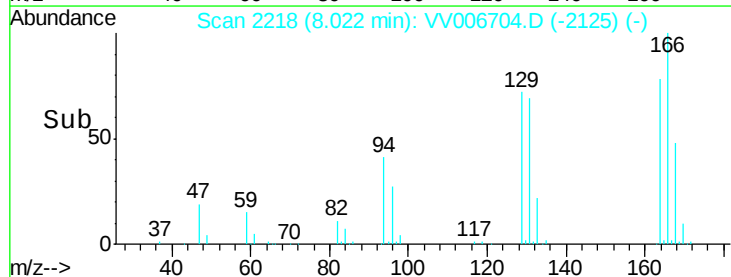
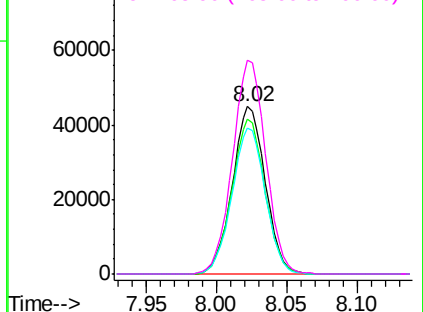


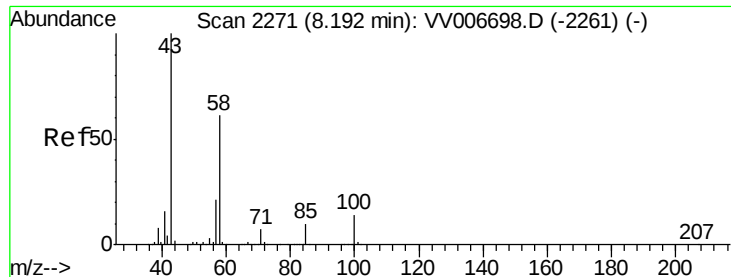
#47
 Tetrachloroethene
 Concen: 5.267 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Tgt Ion:	164	Resp:	73440
Ion	Ratio	Lower	Upper
164	100		
129	92.3	65.0	120.8
131	87.5	61.9	115.1
166	127.6	89.3	165.9



Abundance Ion 163.90 (163.60 to 164.60): VV006704.D (-2205) (-)
 Ion 128.95 (128.65 to 129.65): VV006704.D (-2205) (-)
 Ion 130.95 (130.65 to 131.65): VV006704.D (-2205) (-)
 Ion 165.90 (165.60 to 166.60): VV006704.D (-2205) (-)

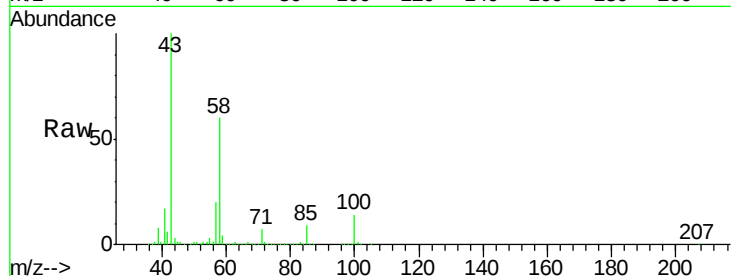




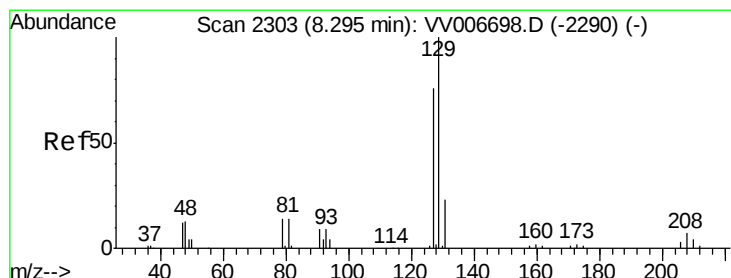
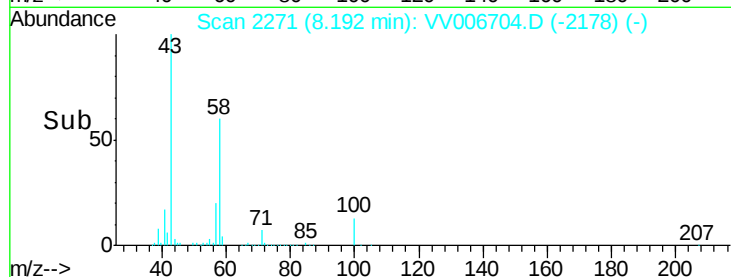
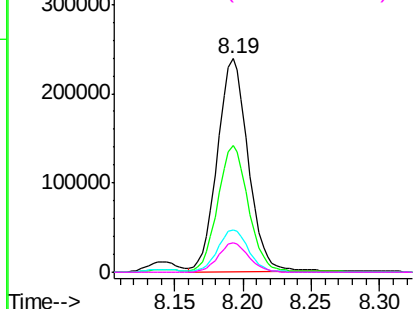
#48
2-Hexanone
Concen: 54.493 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion: 43 Resp: 373120
Ion Ratio Lower Upper
43 100
58 59.0 47.2 70.8
57 20.5 16.1 24.1
100 13.8 11.1 16.7

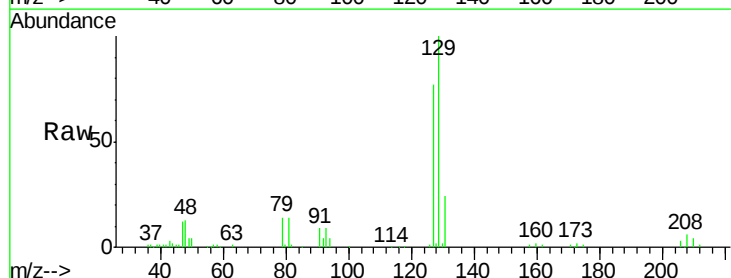


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

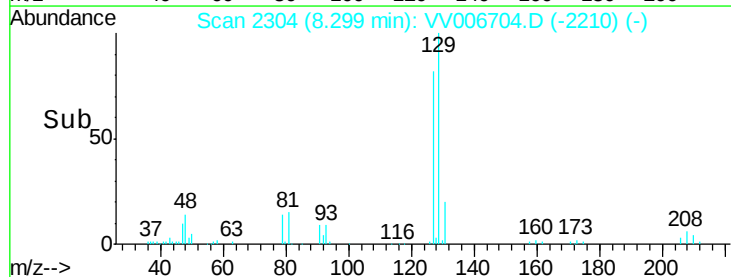
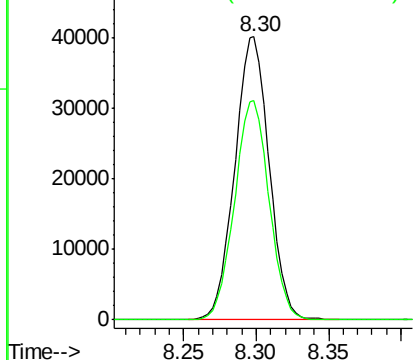


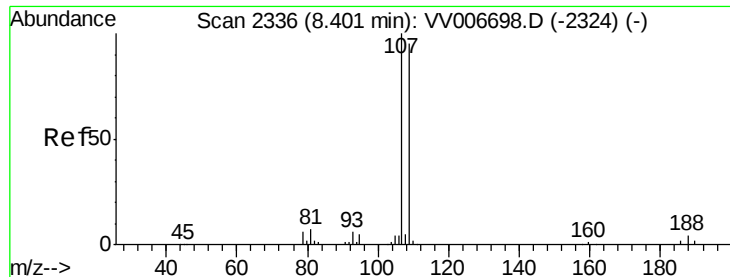
#49
Dibromochloromethane
Concen: 5.199 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Tgt Ion: 129 Resp: 66155
Ion Ratio Lower Upper
129 100
127 77.3 53.5 99.5



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

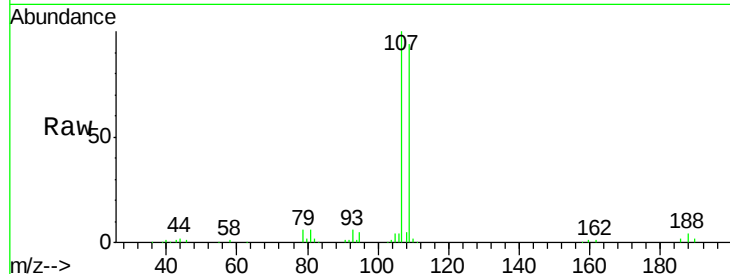




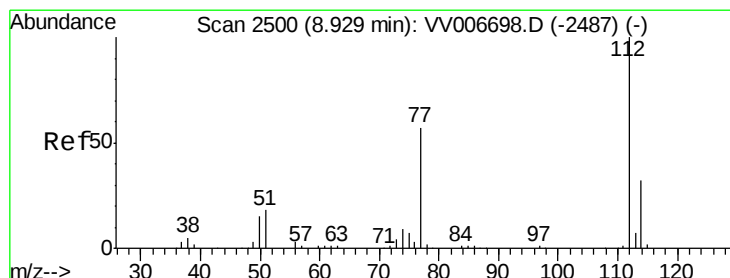
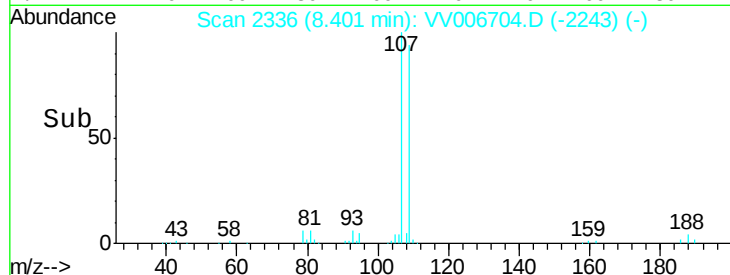
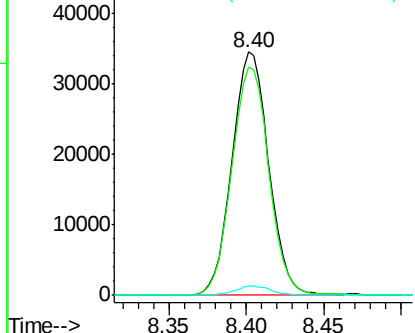
#50
1,2-Dibromoethane
Concen: 5.288 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00580

Tgt Ion:107 Resp: 56815
Ion Ratio Lower Upper
107 100
109 93.5 66.8 124.0
188 3.6 3.1 4.7

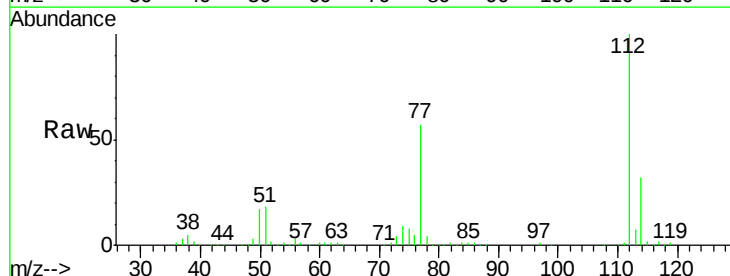


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

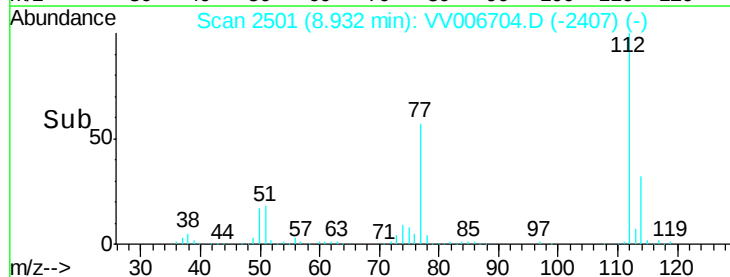
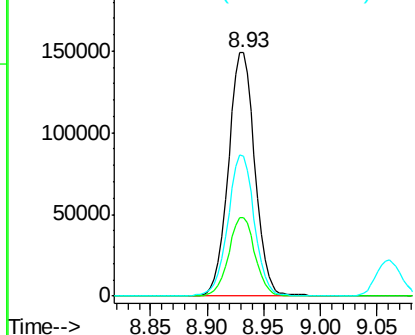


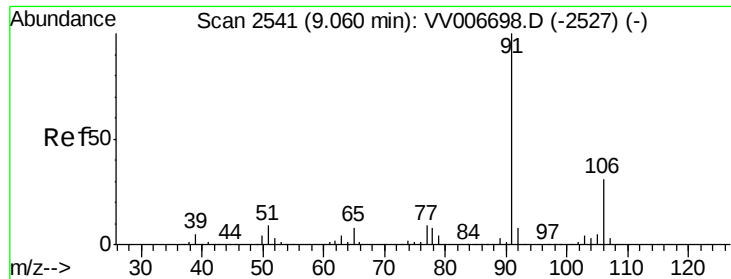
#51
Chlorobenzene
Concen: 5.210 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006704.D
Acq: 23 Jul 2018 18:50

Tgt Ion:112 Resp: 242674
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 57.4 46.2 69.2



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: 5.255 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

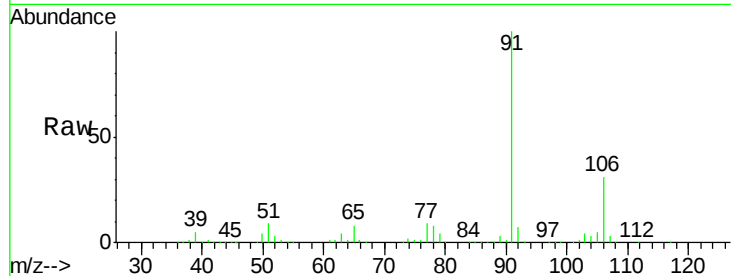
VSTD00580

Tgt Ion: 91 Resp: 401097

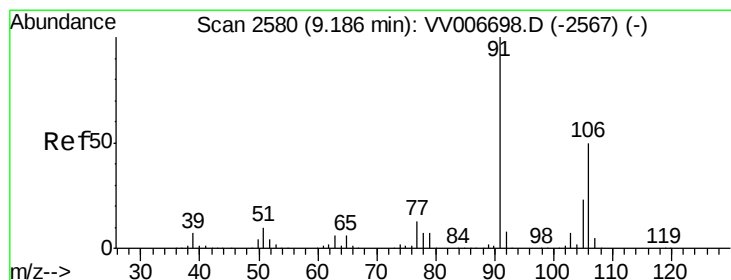
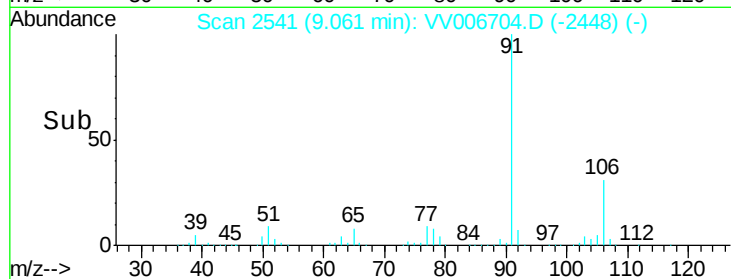
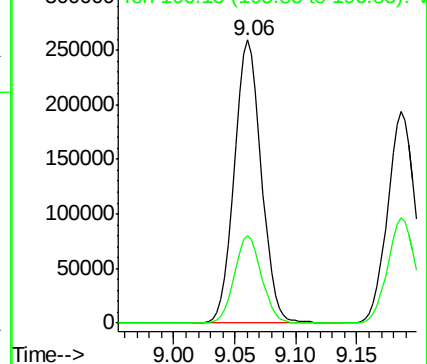
Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV006698.D (-2527) (-)



#53

m,p-xylene

Concen: 5.363 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006704.D

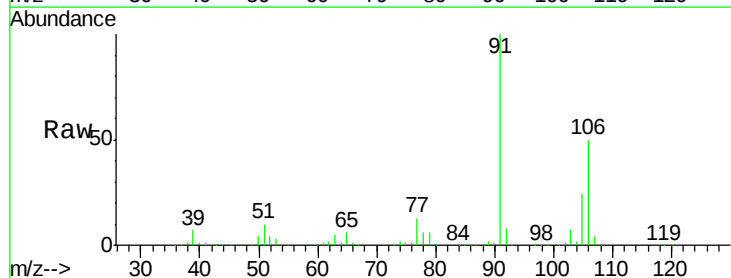
Acq: 23 Jul 2018 18:50

Tgt Ion: 106 Resp: 154540

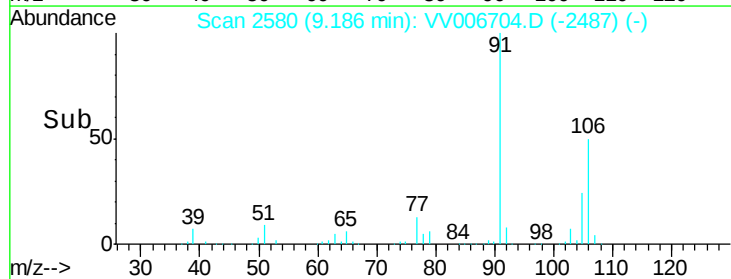
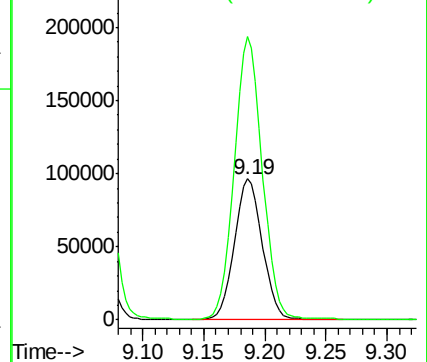
Ion Ratio Lower Upper

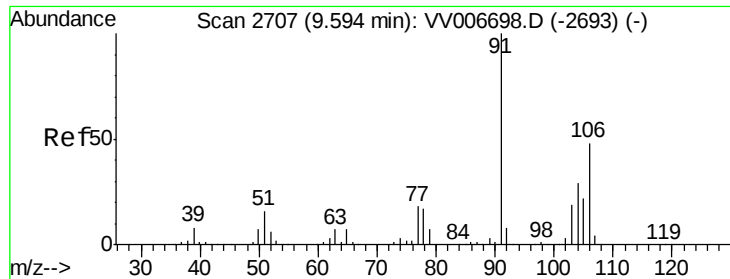
106 100

91 200.8 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006698.D (-2567) (-)





#54

o-xylene

Concen: 5.378 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

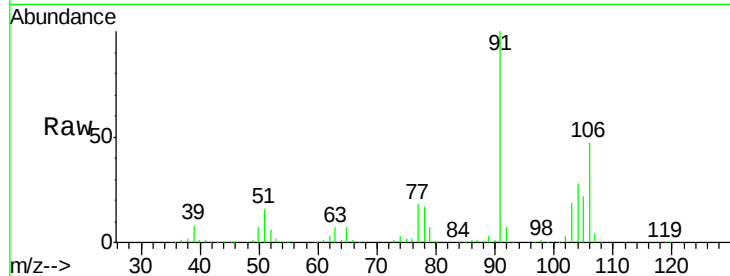
VSTD00580

Tgt Ion:106 Resp: 150963

Ion Ratio Lower Upper

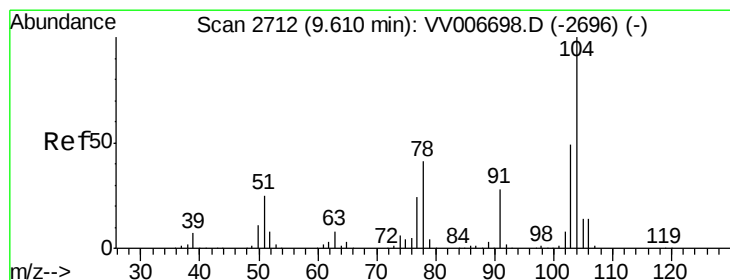
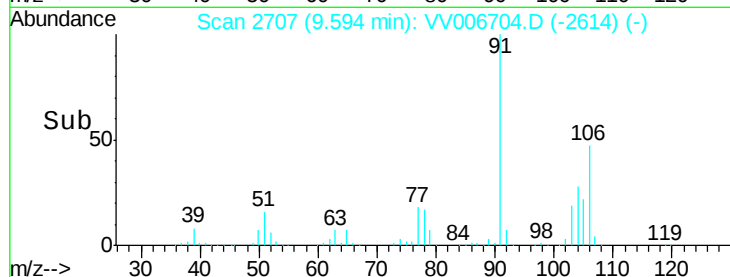
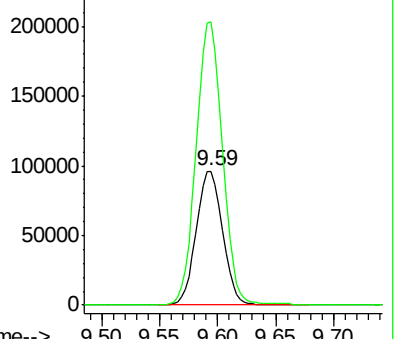
106 100

91 211.2 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.449 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006704.D

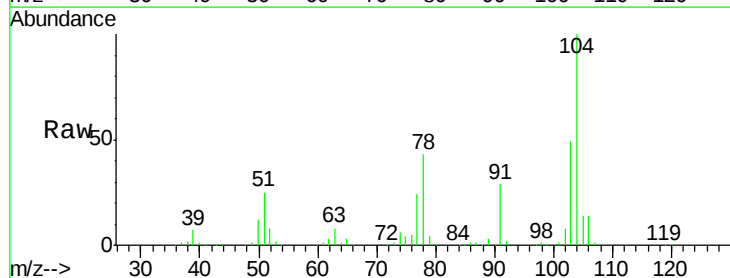
Acq: 23 Jul 2018 18:50

Tgt Ion:104 Resp: 257997

Ion Ratio Lower Upper

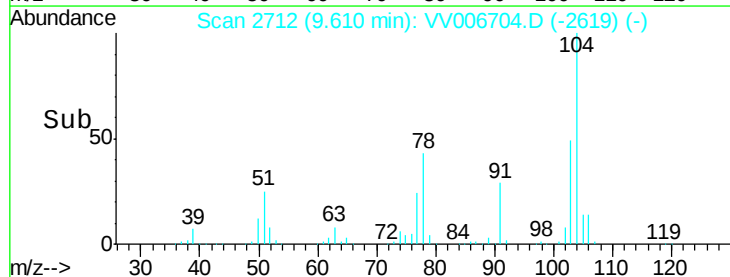
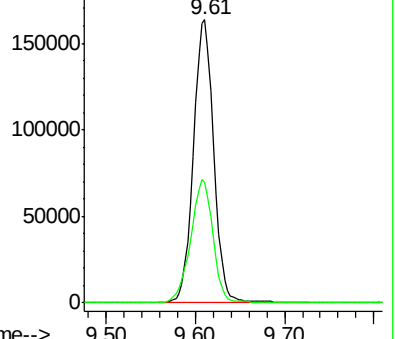
104 100

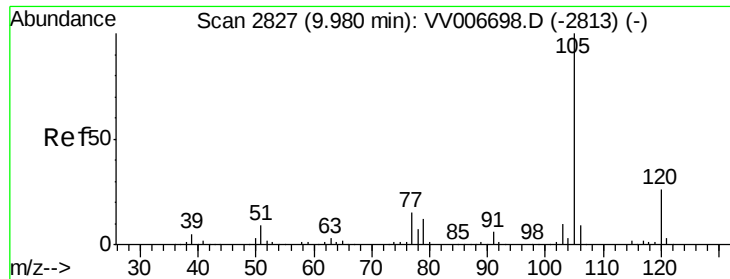
78 42.8 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.347 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

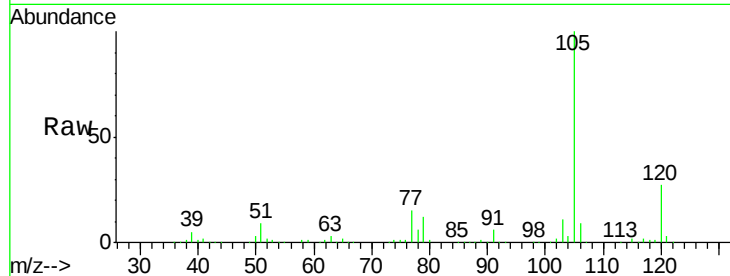
Tgt Ion: 105 Resp: 389768

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

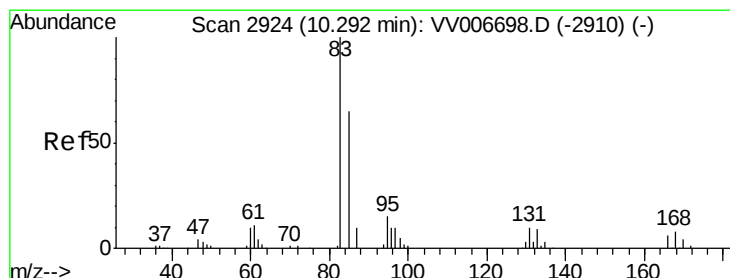
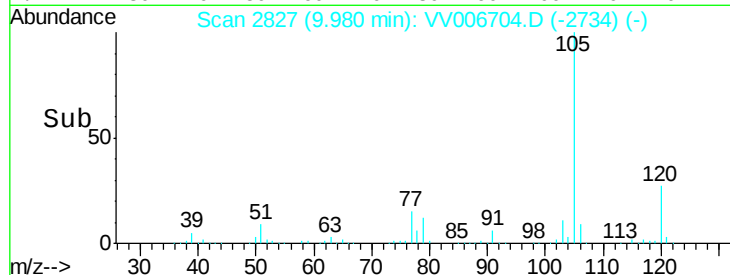
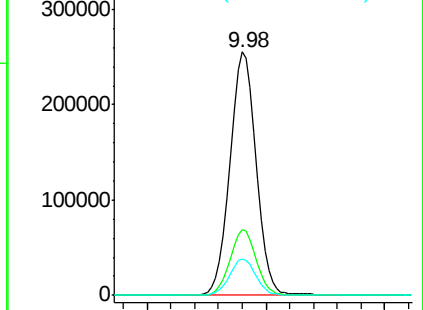
77 15.2 12.2 18.2



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: 5.156 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

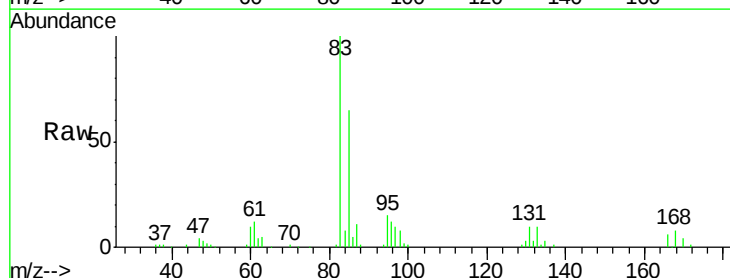
Tgt Ion: 83 Resp: 75832

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

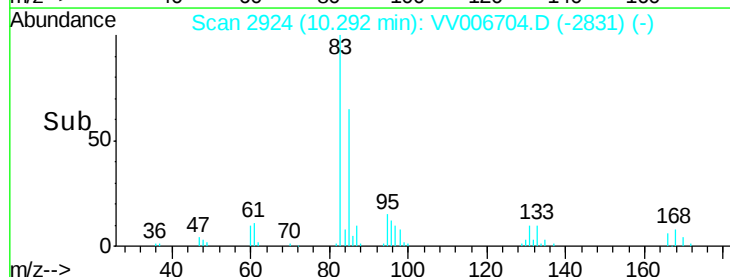
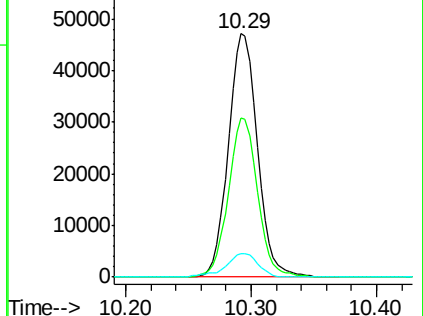
131 9.9 8.0 12.0

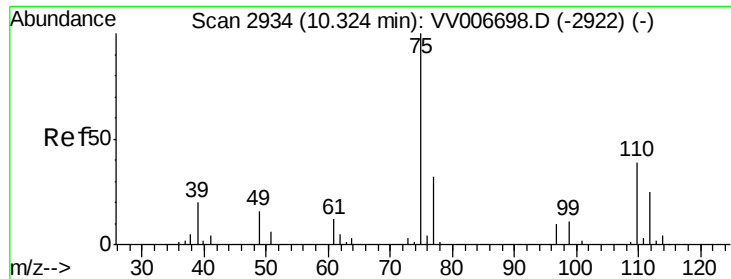


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.358 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

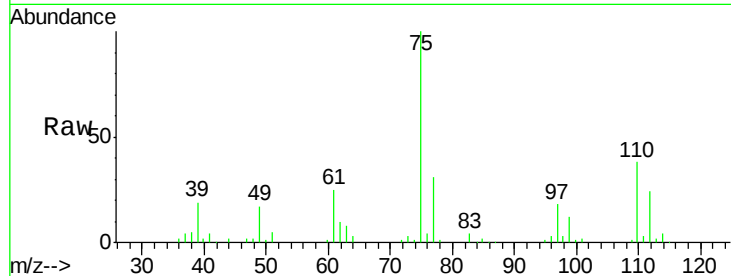
VSTD00580

Tgt Ion: 75 Resp: 56294

Ion Ratio Lower Upper

75 100

77 31.7 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV006698.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006698.D (-2922) (-)

10.33

40000

30000

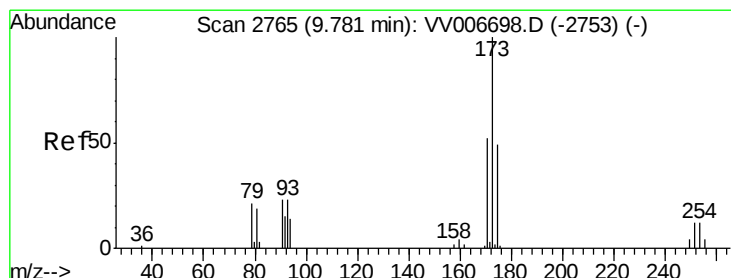
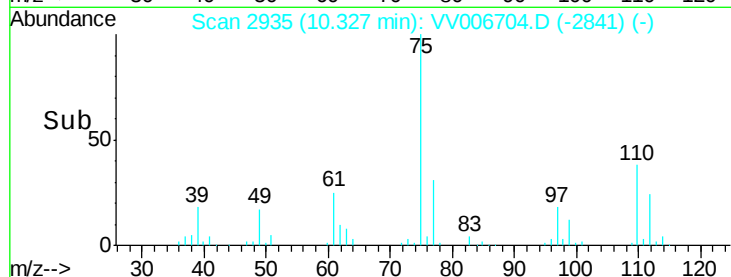
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 5.066 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

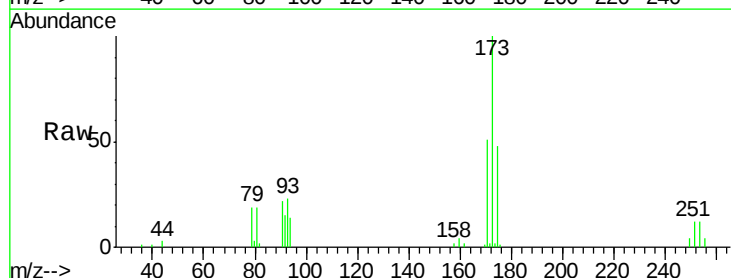
Tgt Ion: 173 Resp: 33732

Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 11.8 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): VV006698.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006698.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006698.D (-2753) (-)

9.78

25000

20000

15000

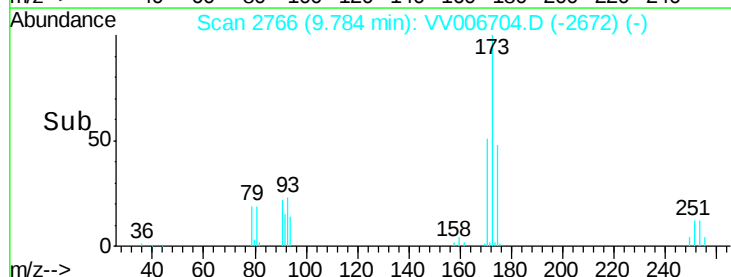
10000

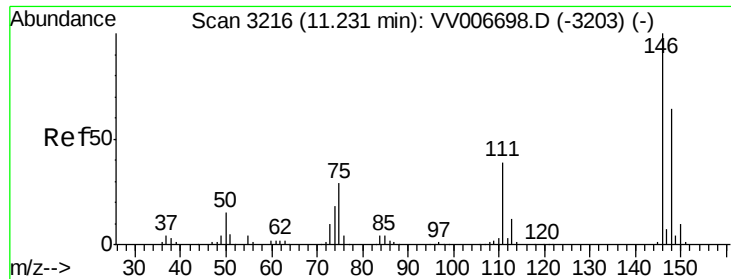
5000

0

Time-->

9.70 9.75 9.80 9.85

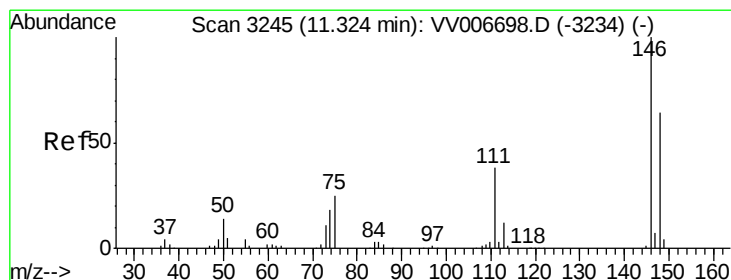
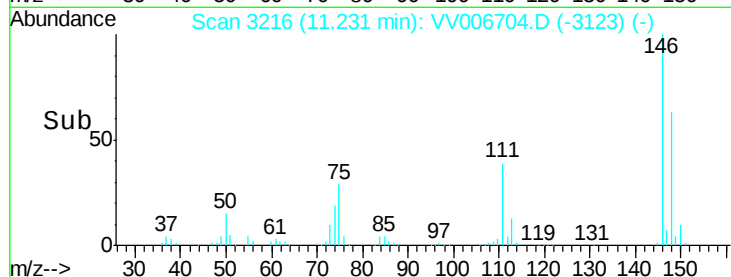
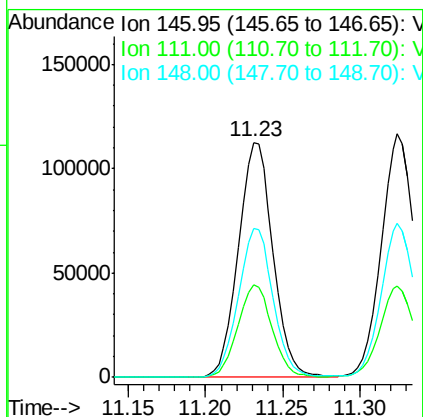
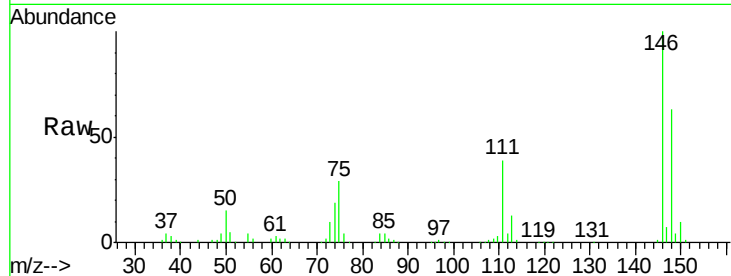




#62
 1,3-Dichlorobenzene
 Concen: 5.168 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

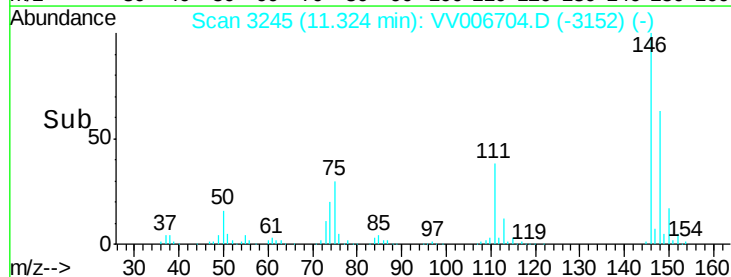
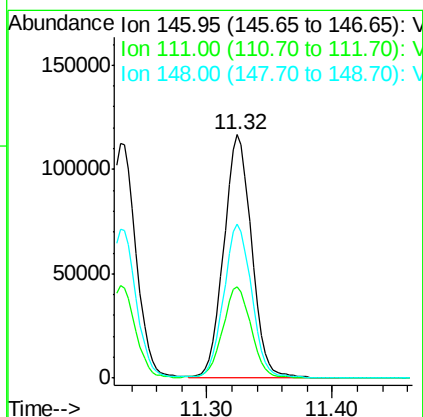
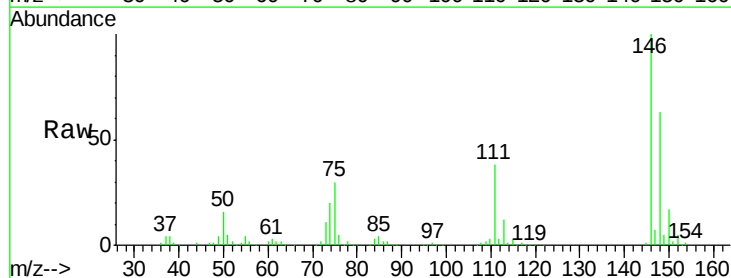
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

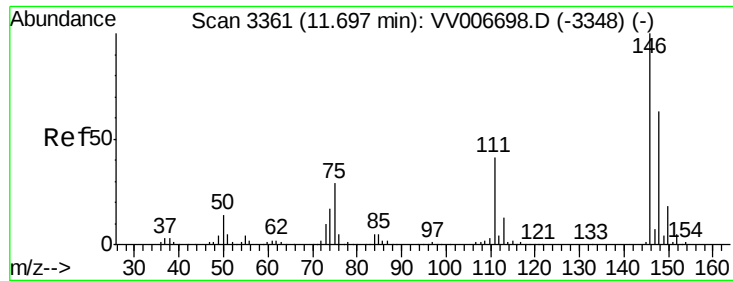
Tgt Ion:146 Resp: 175038
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.5 51.1
 148 63.3 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.208 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Tgt Ion:146 Resp: 179760
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.0 50.2
 148 63.5 45.1 83.7

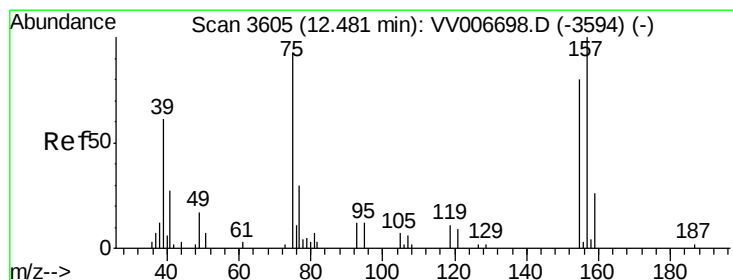
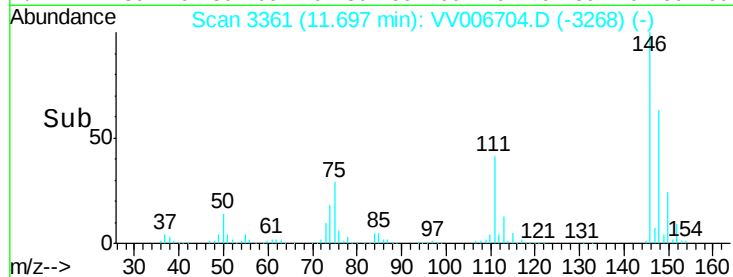
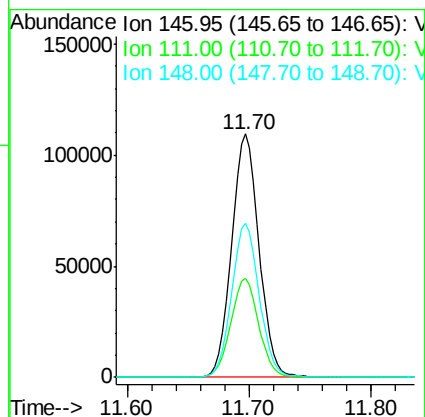
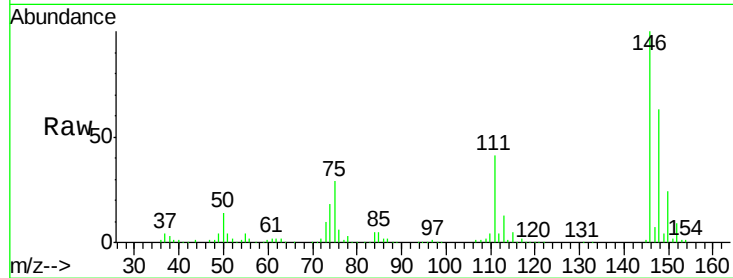




#65
 1,2-Dichlorobenzene
 Concen: 5.204 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

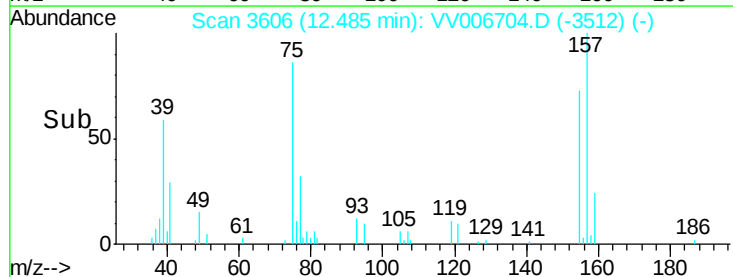
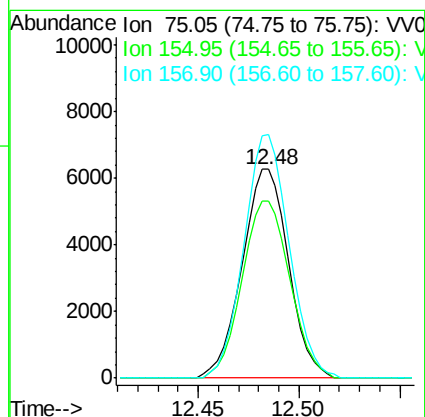
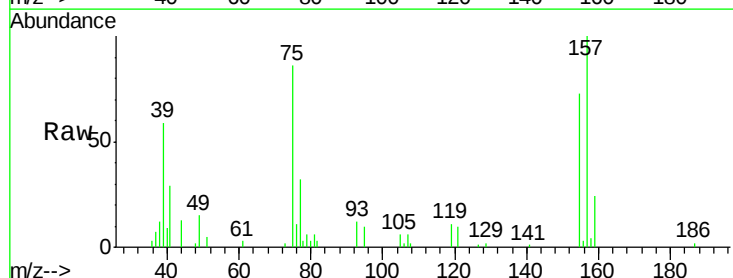
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

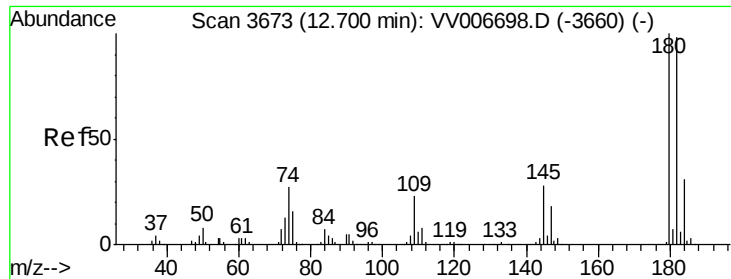
Tgt Ion: 146 Resp: 171678
 Ion Ratio Lower Upper
 146 100
 111 40.5 32.9 49.3
 148 63.4 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.118 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Tgt Ion: 75 Resp: 10104
 Ion Ratio Lower Upper
 75 100
 155 84.9 68.8 103.2
 157 116.6 85.6 128.4

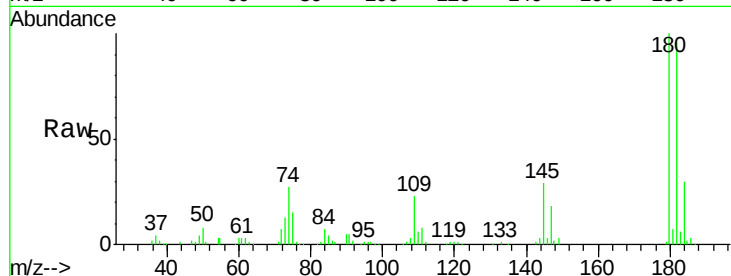




#67
 1,3,5-Trichlorobenzene
 Concen: 5.236 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00580

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.8	115.2
184	30.0	24.6	37.0
145	28.5	22.8	34.2

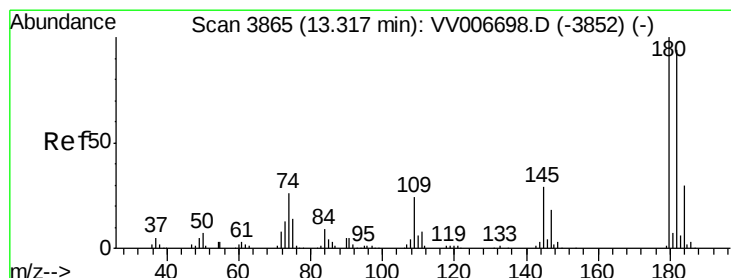
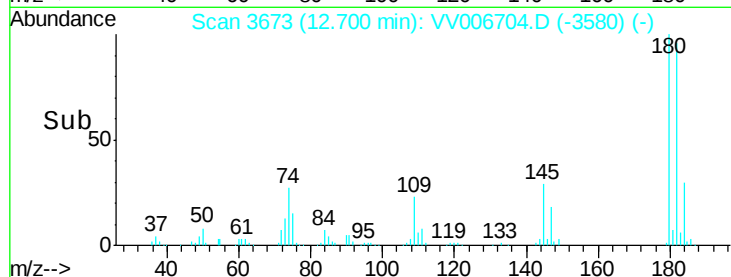
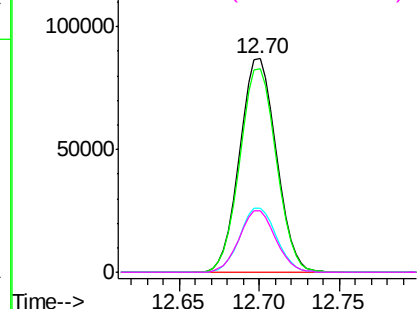


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

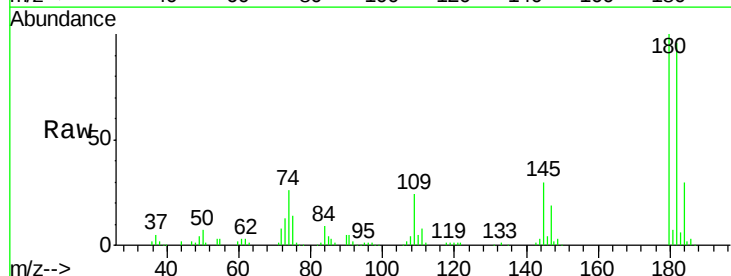
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.163 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006704.D
 Acq: 23 Jul 2018 18:50

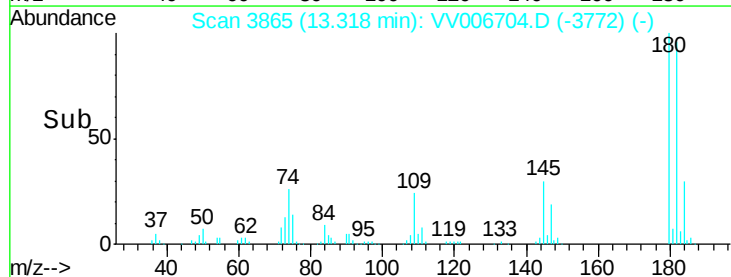
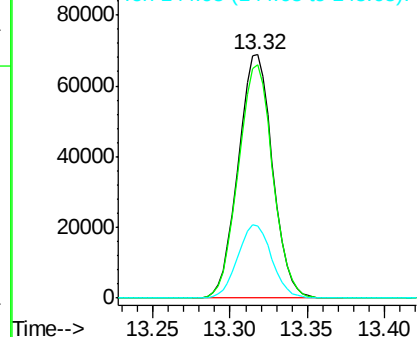
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	30.0	23.4	35.0

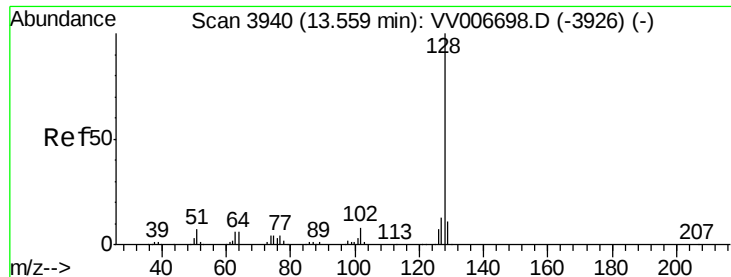


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.304 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00580

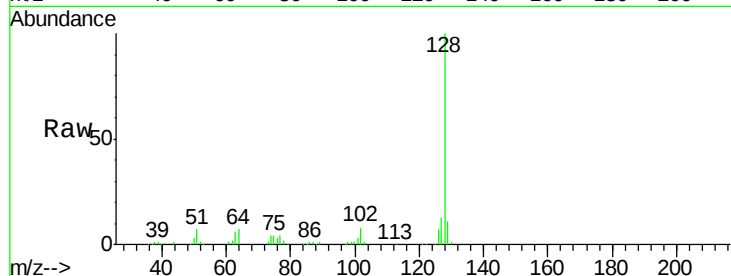
Tgt Ion:128 Resp: 186427

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

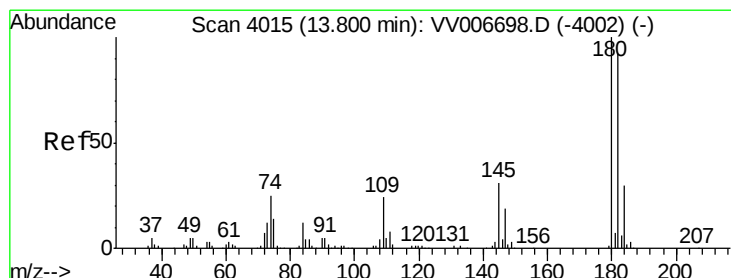
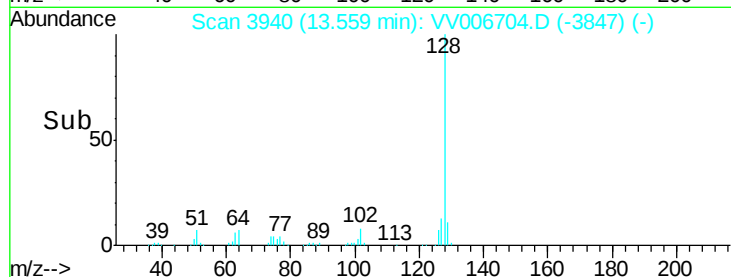
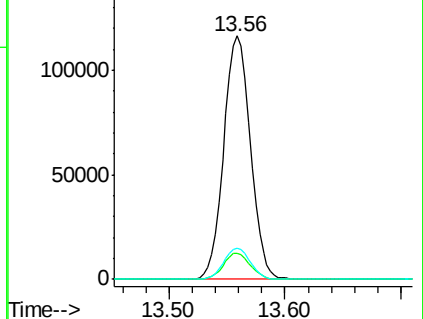
127 12.8 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.379 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006704.D

Acq: 23 Jul 2018 18:50

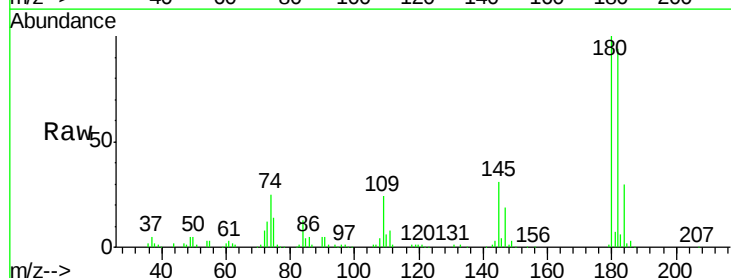
Tgt Ion:180 Resp: 104566

Ion Ratio Lower Upper

180 100

182 93.9 75.3 112.9

145 31.0 24.5 36.7



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

