

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070718\
 Data File : VV006555.D
 Acq On : 07 Jul 2018 10:07
 Operator : SY/MD
 Sample : VSTD01064
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Quant Time: Jul 09 02:37:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 09 02:36:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	333082	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	305319	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	150642	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	178606	8.44	ug/L	0.00
7) Chloroethane-d5	1.59	69	158232	9.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	327579	8.65	ug/L	0.00
20) 2-Butanone-d5	3.97	46	474037	112.84	ug/L	0.00
24) Chloroform-d	4.41	84	352649	9.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	166802	9.65	ug/L	0.00
32) Benzene-d6	5.11	84	703432	9.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	224173	9.52	ug/L	0.00
41) Toluene-d8	7.37	98	639893	8.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	81031	9.47	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	430168	120.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	181337	11.98	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	258833	9.31	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	263040	10.482 ug/L	99
3) Chloromethane	1.26	50	299942	11.351 ug/L	99
5) Vinyl chloride	1.32	62	289872	10.425 ug/L	100
6) Bromomethane	1.54	94	137611	8.885 ug/L	100
8) Chloroethane	1.60	64	172833	9.865 ug/L	100
9) Trichlorofluoromethane	1.77	101	331777	10.015 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	209818	10.055 ug/L	99
12) 1,1-Dichloroethene	2.14	96	204574	9.983 ug/L	98
13) Acetone	2.22	43	274642	107.248 ug/L	99
14) Carbon disulfide	2.32	76	628830	10.755 ug/L	100
15) Methyl Acetate	2.48	43	82445	10.931 ug/L	100
16) Methylene chloride	2.54	84	218798	9.174 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	494988	10.043 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	225295	10.085 ug/L	97
19) 1,1-Dichloroethane	3.23	63	386923	9.752 ug/L	99
21) 2-Butanone	4.06	43	474740	102.520 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	242147	9.907 ug/L	97
23) Bromochloromethane	4.31	128	100705	10.098 ug/L	99
25) Chloroform	4.44	83	385726	9.683 ug/L	98
27) 1,2-Dichloroethane	5.19	62	217514	9.728 ug/L	98
29) 1,1,1-Trichloroethane	4.67	97	320670	9.607 ug/L	100
30) Cyclohexane	4.73	56	353644	10.413 ug/L	100
31) Carbon tetrachloride	4.88	117	271182	9.654 ug/L	98
33) Benzene	5.15	78	907594	9.931 ug/L	100
34) Trichloroethene	5.96	95	231437	9.000 ug/L	99
35) Methylcyclohexane	6.18	83	401693	10.523 ug/L	99
37) 1,2-Dichloropropane	6.23	63	220069	9.883 ug/L	100
38) Bromodichloromethane	6.56	83	252976	9.906 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	315430	10.230 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	1156332	105.650 ug/L	99

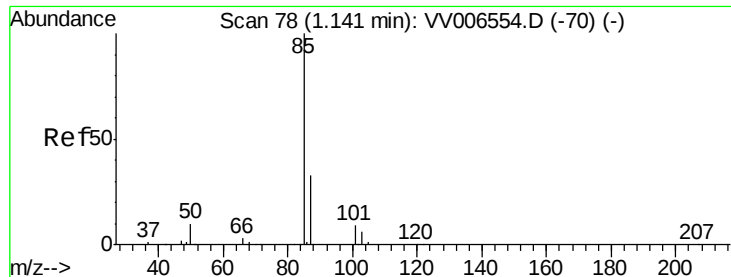
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	957748	9.920	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	248464	10.311	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	155323	10.065	ug/L	99
47) Tetrachloroethene	8.03	164	191651	9.699	ug/L	98
48) 2-Hexanone	8.19	43	818473	104.081	ug/L	98
49) Dibromochloromethane	8.30	129	168543	10.302	ug/L	98
50) 1,2-Dibromoethane	8.40	107	142660	10.289	ug/L	100
51) Chlorobenzene	8.93	112	619065	9.719	ug/L	99
52) Ethylbenzene	9.06	91	1044021	10.011	ug/L	99
53) m,p-xylene	9.19	106	410107	10.186	ug/L	99
54) o-xylene	9.59	106	398559	10.115	ug/L	100
55) Styrene	9.61	104	680162	10.500	ug/L	100
56) Isopropylbenzene	9.98	105	1039004	10.132	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	183891	12.076	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	133354	10.836	ug/L	100
61) Bromoform	9.78	173	87848	10.298	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	476057	9.603	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	481401	9.669	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	452601	9.677	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	24456	11.758	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	380375	9.984	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	311441	11.066	ug/L	100
69) Naphthalene	13.56	128	551405	12.999	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	292151	11.090	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 10.482 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

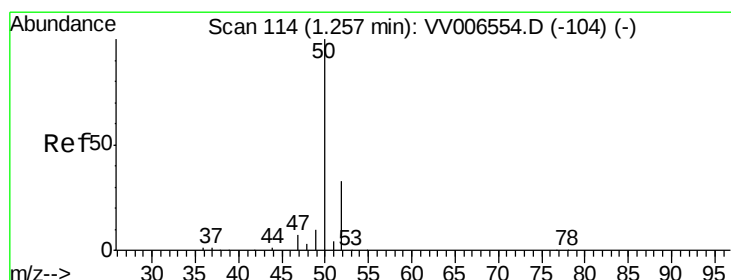
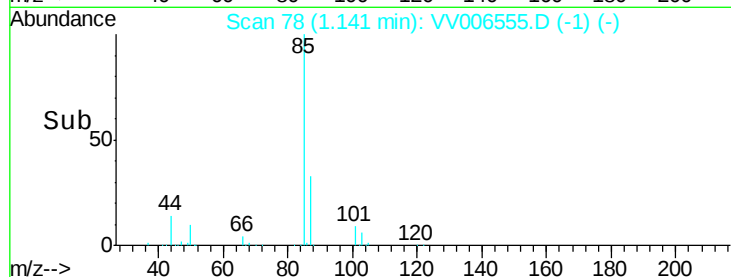
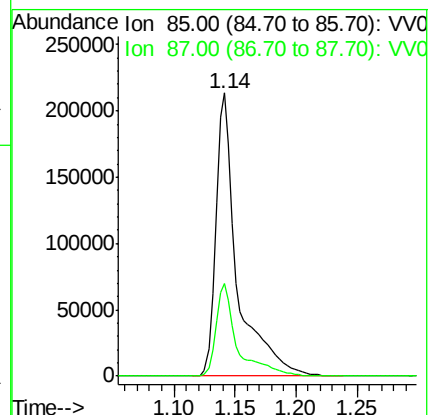
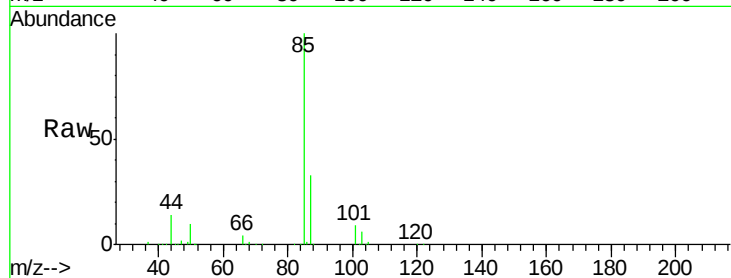
VSTD01064

Tgt Ion: 85 Resp: 263040

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



#3

Chloromethane

Concen: 11.351 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006555.D

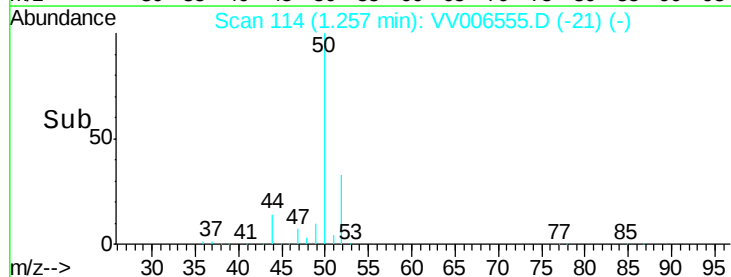
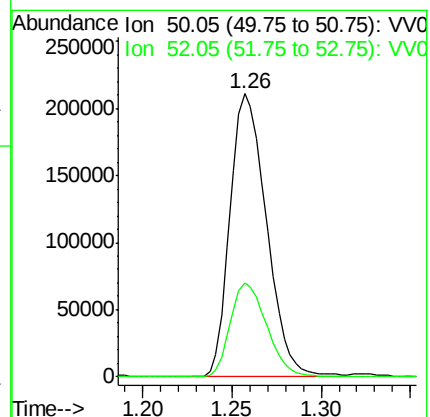
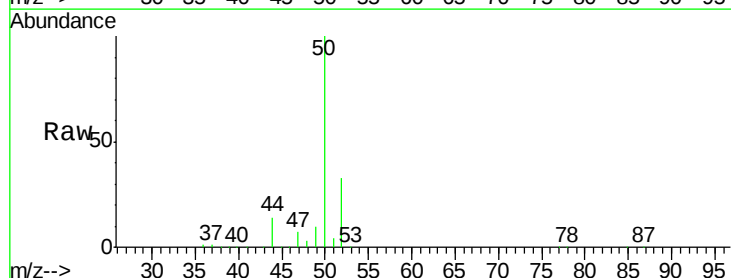
Acq: 07 Jul 2018 10:07

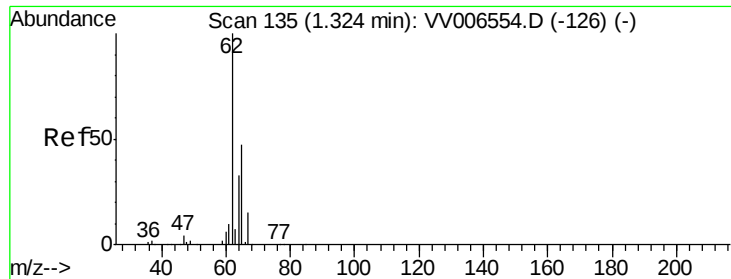
Tgt Ion: 50 Resp: 299942

Ion Ratio Lower Upper

50 100

52 33.2 22.9 42.5





#5

Vinyl chloride

Concen: 10.425 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

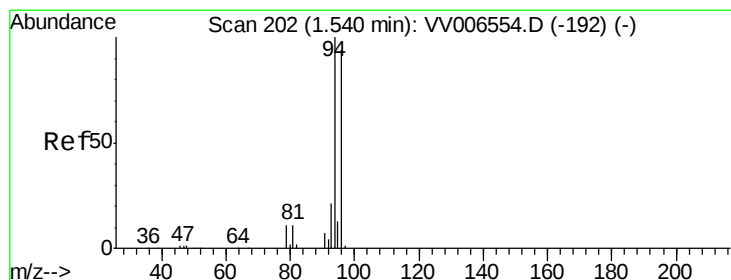
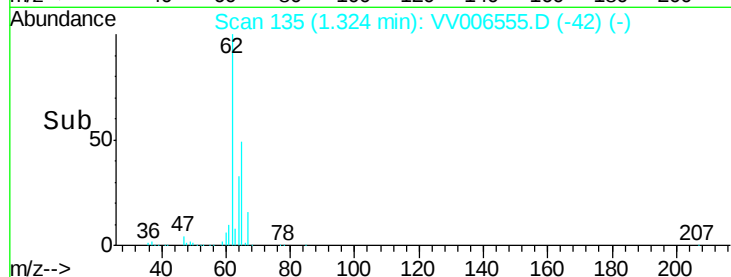
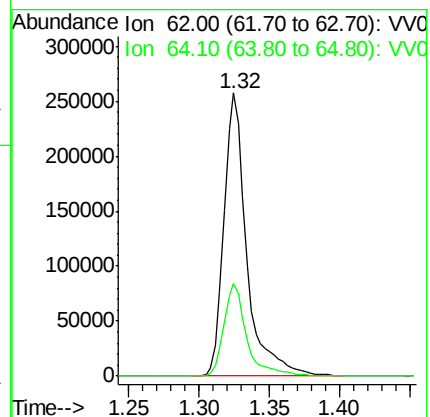
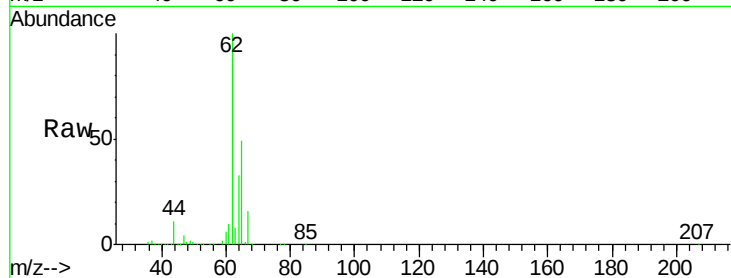
VSTD01064

Tgt Ion: 62 Resp: 289872

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



#6

Bromomethane

Concen: 8.885 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006555.D

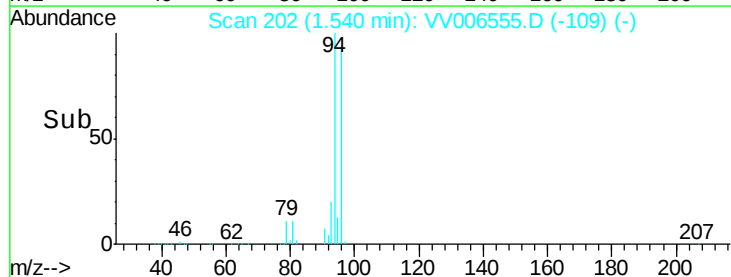
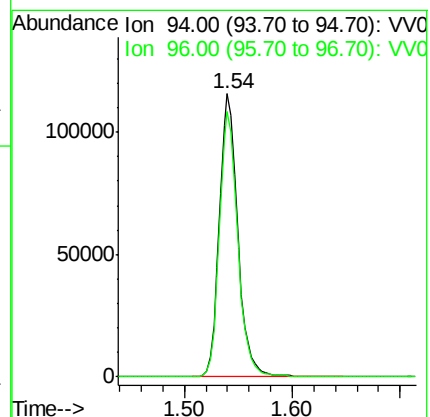
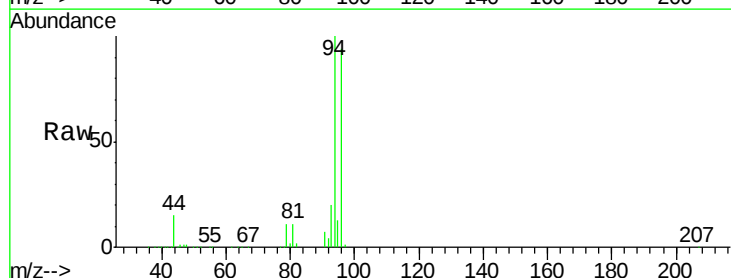
Acq: 07 Jul 2018 10:07

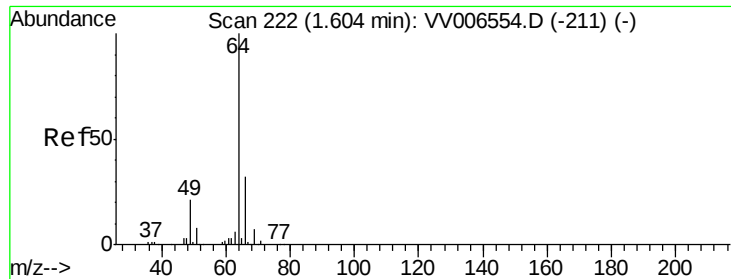
Tgt Ion: 94 Resp: 137611

Ion Ratio Lower Upper

94 100

96 93.8 65.7 122.1





#8

Chloroethane

Concen: 9.865 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

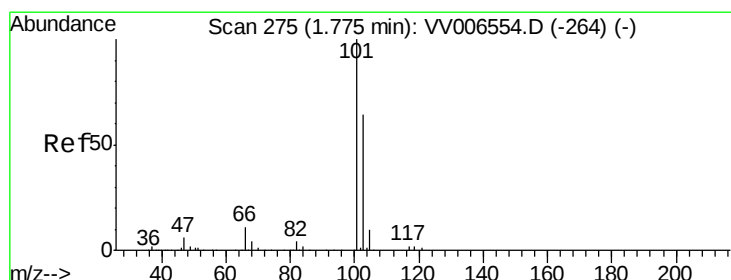
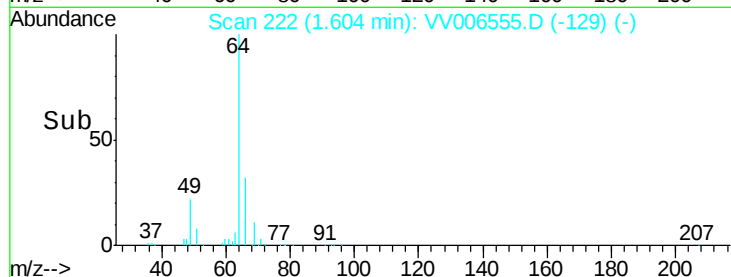
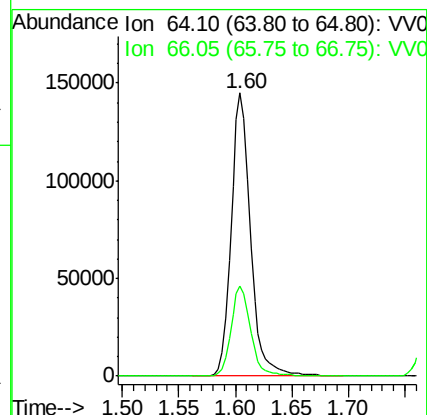
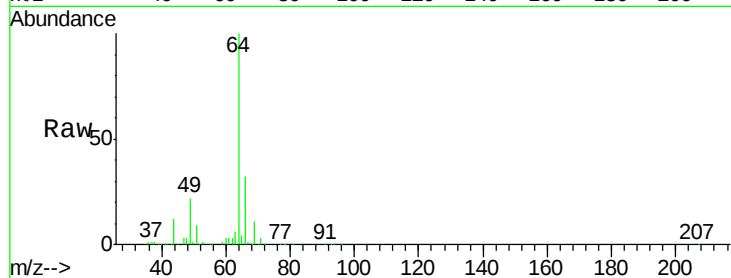
VSTD01064

Tgt Ion: 64 Resp: 172833

Ion Ratio Lower Upper

64 100

66 31.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 10.015 ug/L

RT: 1.77 min Scan# 275

Delta R.T. 0.00 min

Lab File: VV006555.D

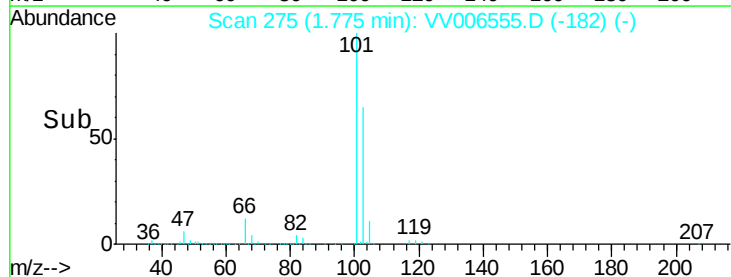
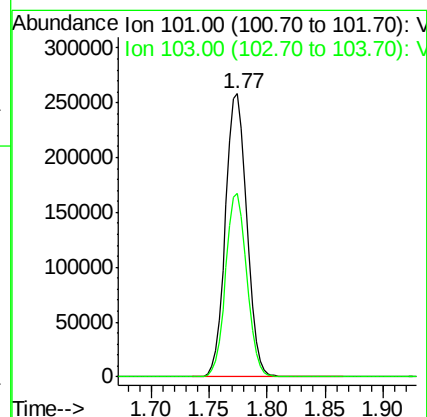
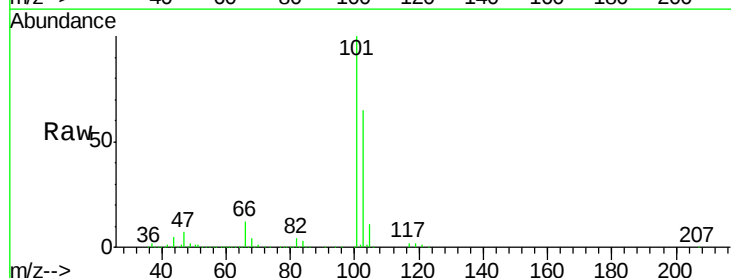
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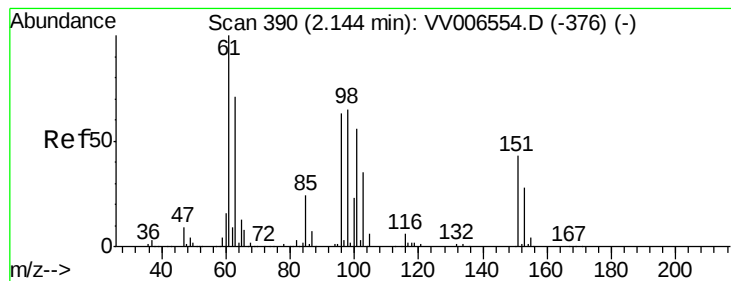
Tgt Ion: 101 Resp: 331777

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3





#10

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

Concen: 10.055 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

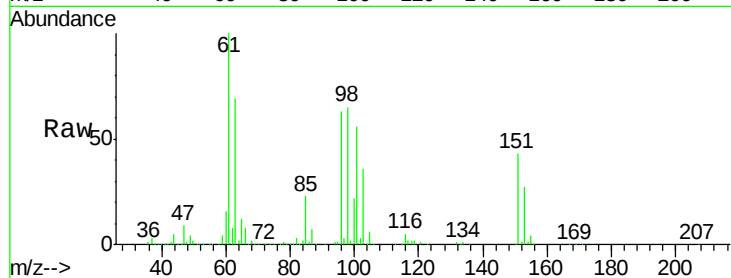
Tgt Ion: 101 Resp: 209818

Ion Ratio Lower Upper

101 100

85 41.1 33.1 49.7

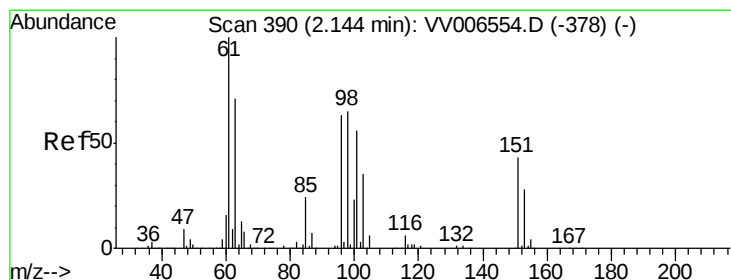
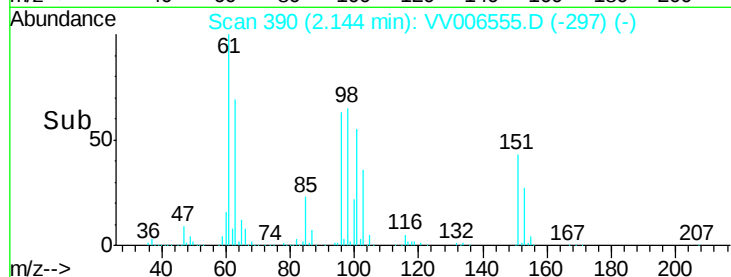
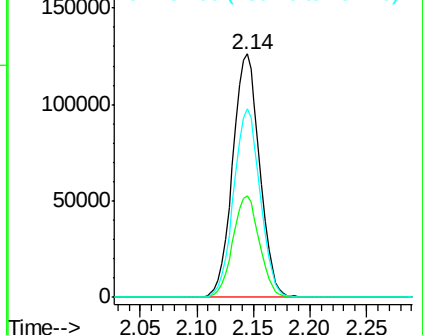
151 76.1 61.5 92.3



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: 9.983 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

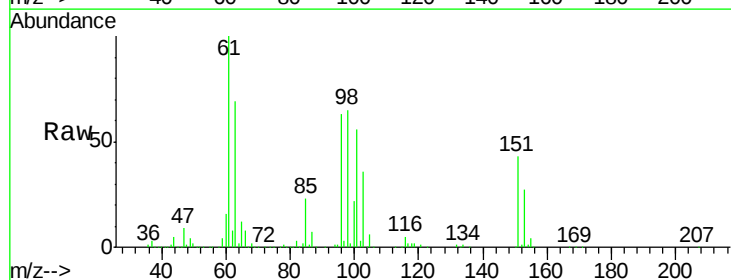
Tgt Ion: 96 Resp: 204574

Ion Ratio Lower Upper

96 100

61 157.8 110.7 205.7

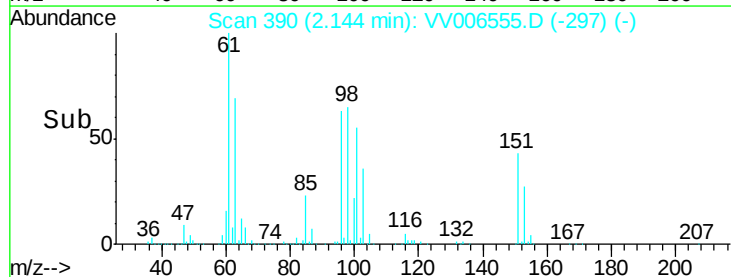
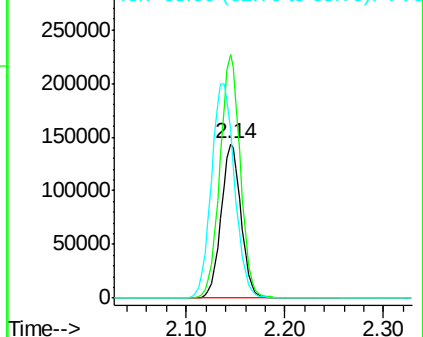
63 108.6 79.0 146.8

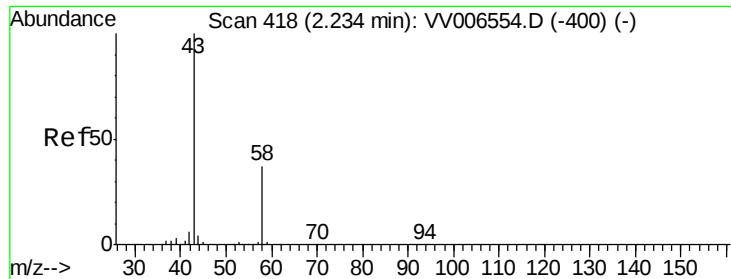


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 107.248 ug/L

RT: 2.22 min Scan# 415

Delta R.T. -0.01 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

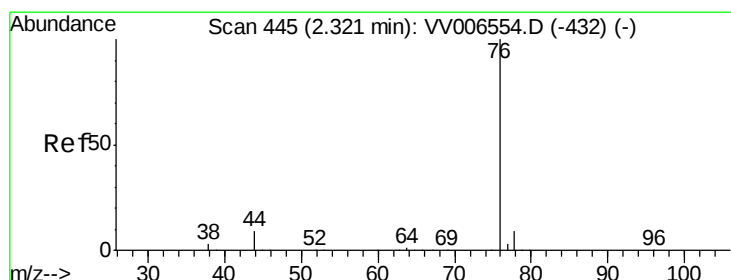
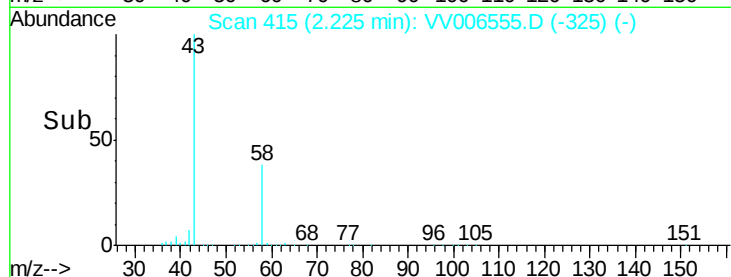
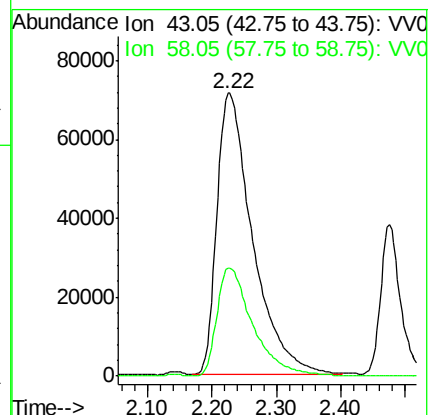
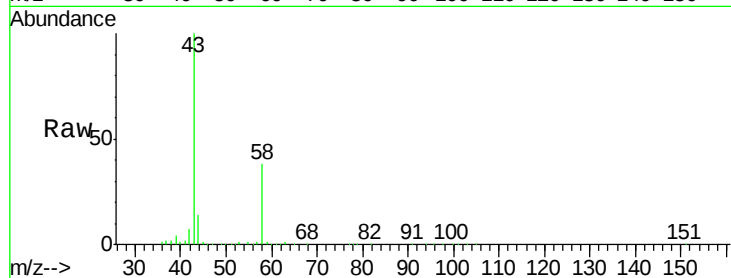
VSTD01064

Tgt Ion: 43 Resp: 274642

Ion Ratio Lower Upper

43 100

58 38.9 0.0 76.2



#14

Carbon disulfide

Concen: 10.755 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006555.D

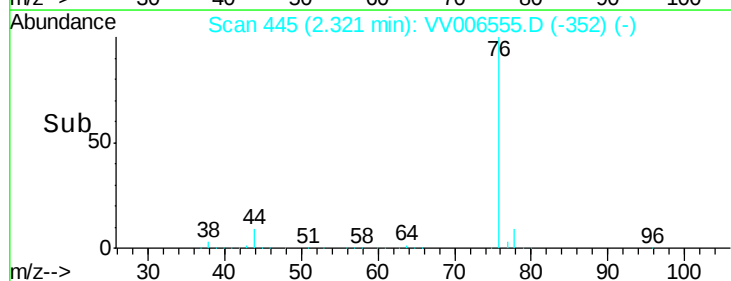
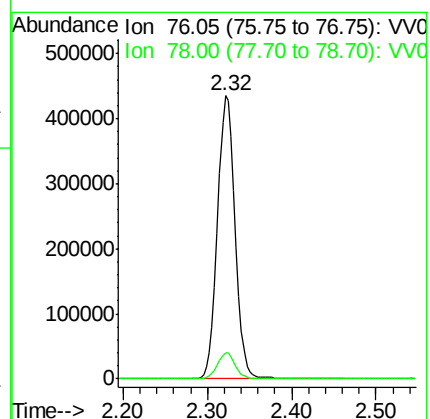
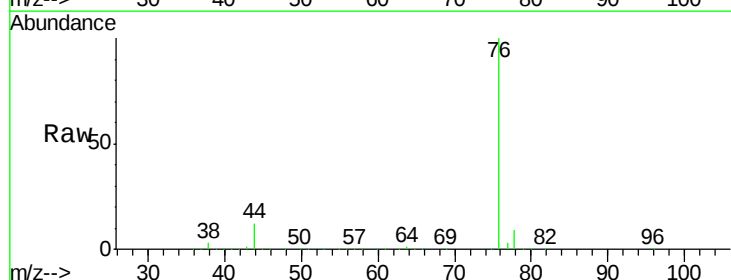
Acq: 07 Jul 2018 10:07

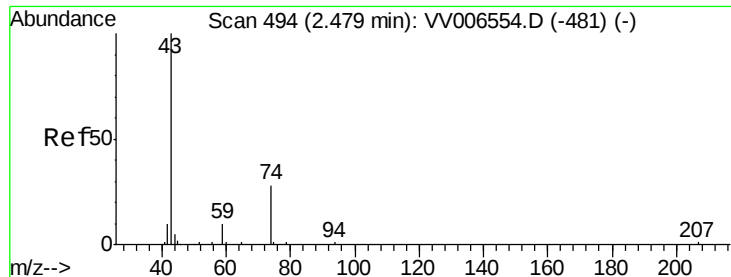
Tgt Ion: 76 Resp: 628830

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

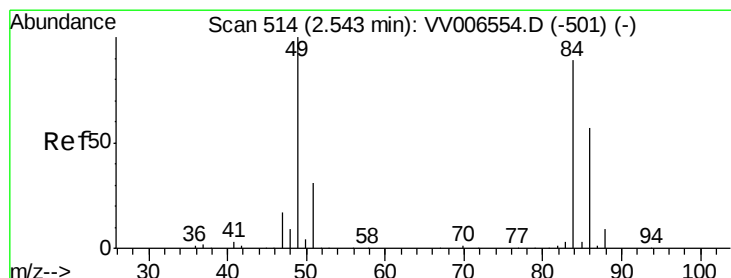
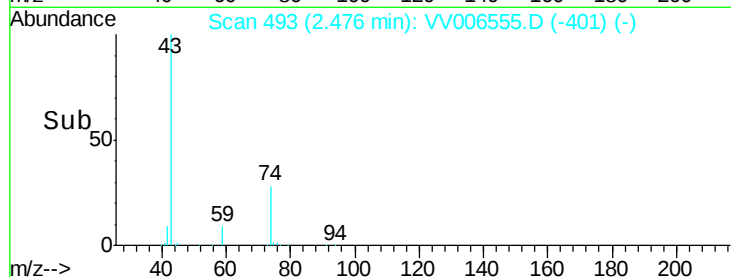
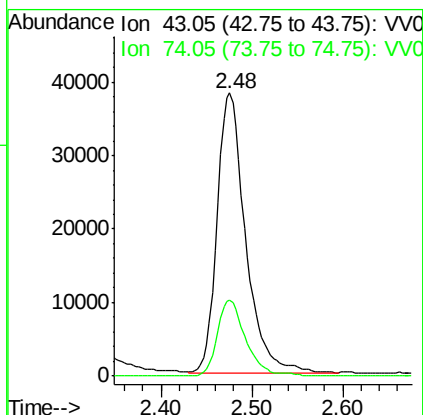
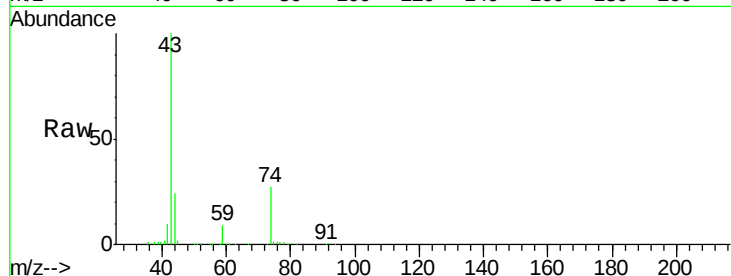




#15
Methyl Acetate
Concen: 10.931 ug/L
RT: 2.48 min Scan# 493
Delta R.T. -0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

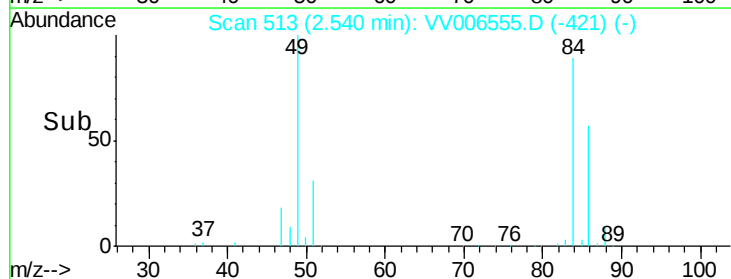
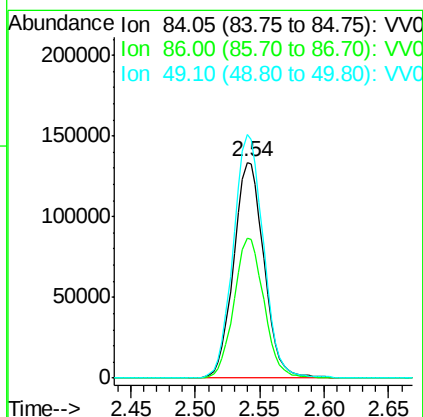
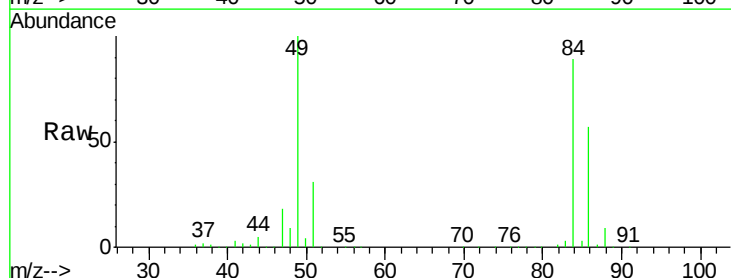
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

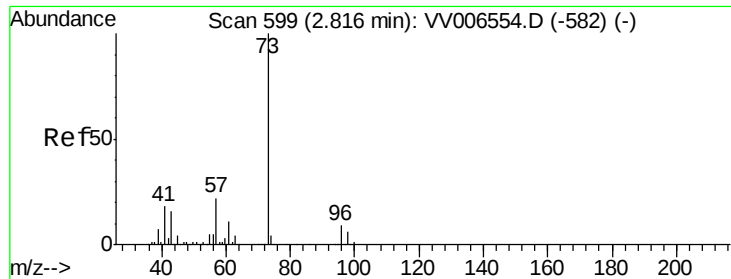
Tgt Ion: 43 Resp: 82445
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.6



#16
Methylene chloride
Concen: 9.174 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Tgt Ion: 84 Resp: 218798
Ion Ratio Lower Upper
84 100
86 64.7 44.7 82.9
49 112.7 78.7 146.1





#17

Methyl tert-butyl Ether

Concen: 10.043 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

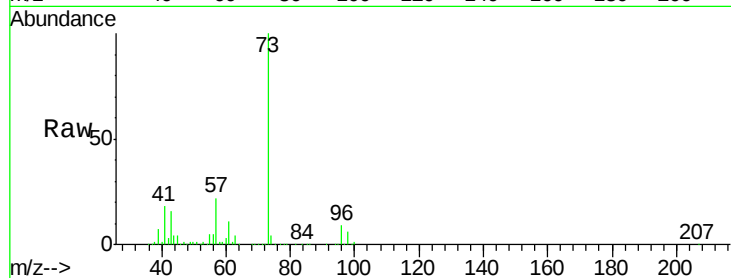
Tgt Ion: 73 Resp: 494988

Ion Ratio Lower Upper

73 100

43 15.8 12.5 18.7

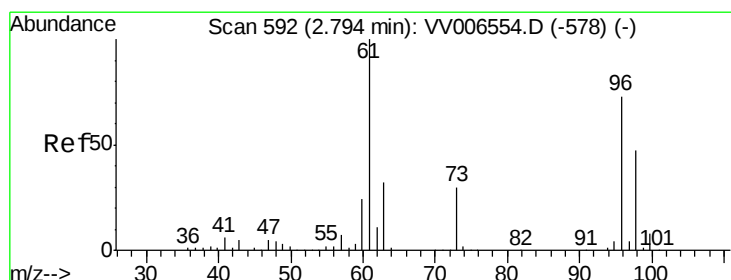
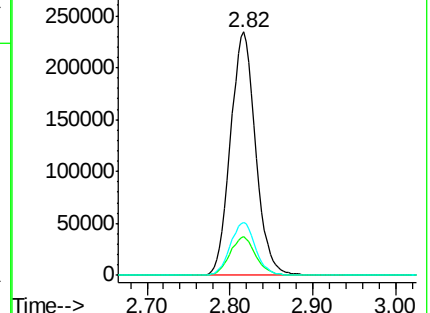
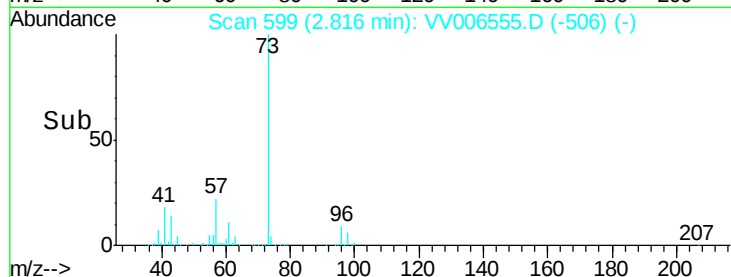
57 22.0 17.7 26.5



Abundance Ion 73.10 (72.80 to 73.80): VV006555.D (-506) (-)

Ion 43.05 (42.75 to 43.75): VV006555.D (-506) (-)

Ion 57.10 (56.80 to 57.80): VV006555.D (-506) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.085 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

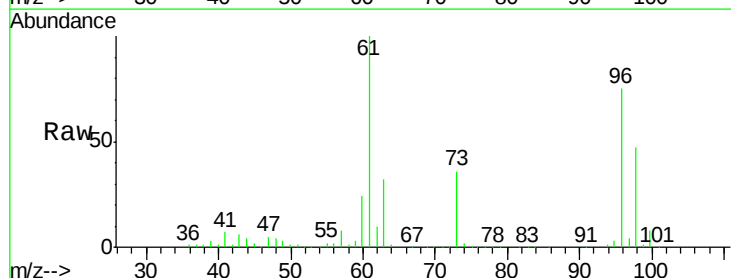
Tgt Ion: 96 Resp: 225295

Ion Ratio Lower Upper

96 100

61 134.1 96.5 179.3

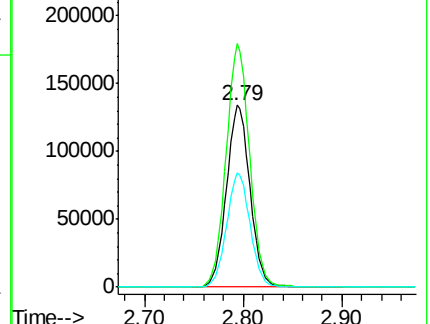
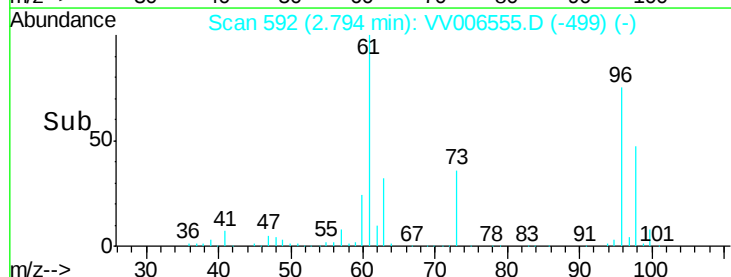
98 63.0 45.1 83.7

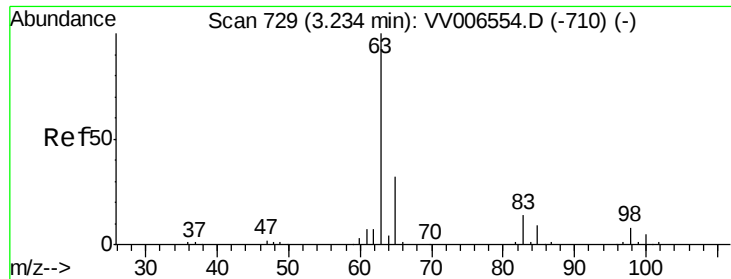


Abundance Ion 96.00 (95.70 to 96.70): VV006555.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006555.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006555.D (-499) (-)

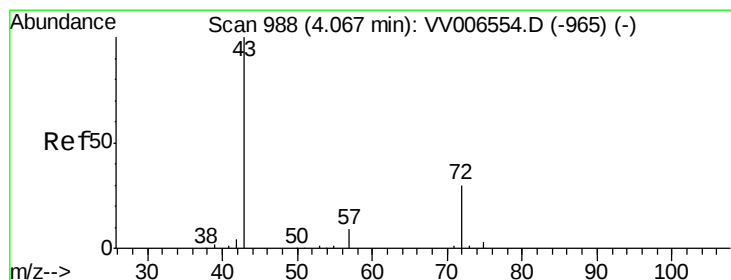
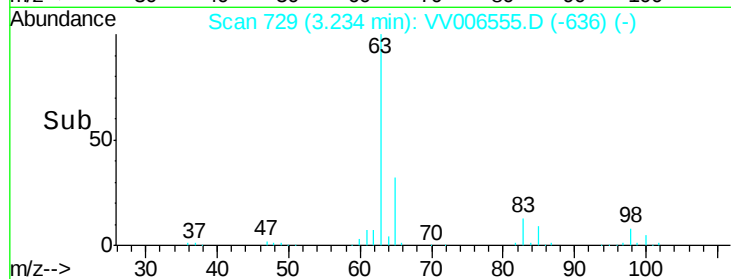
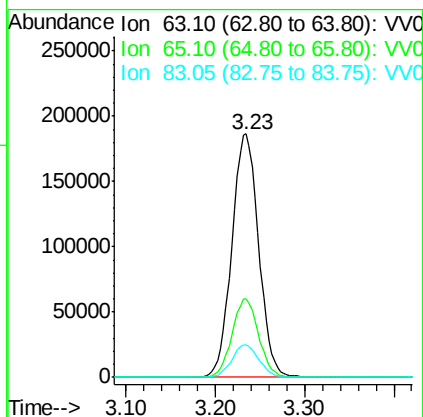
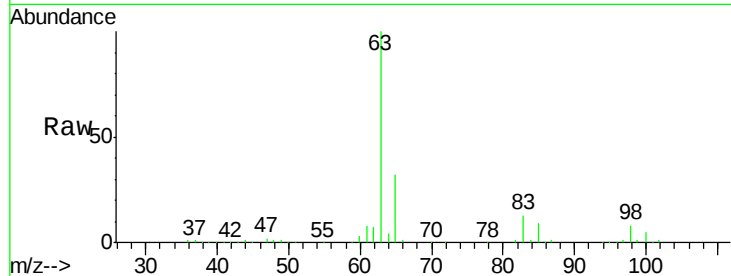




#19
 1,1-Dichloroethane
 Concen: 9.752 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

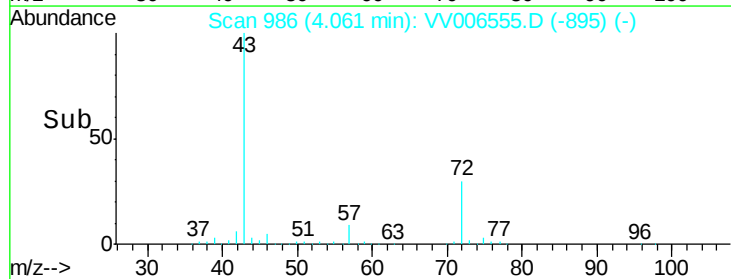
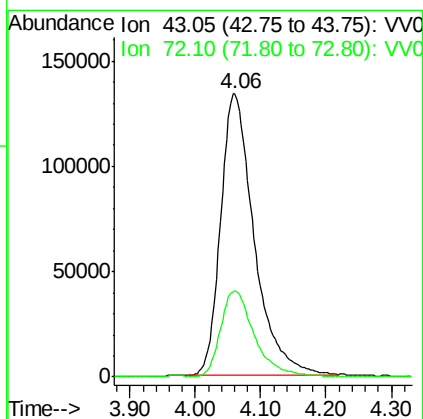
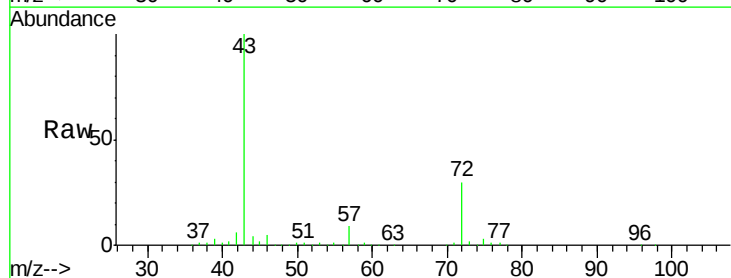
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

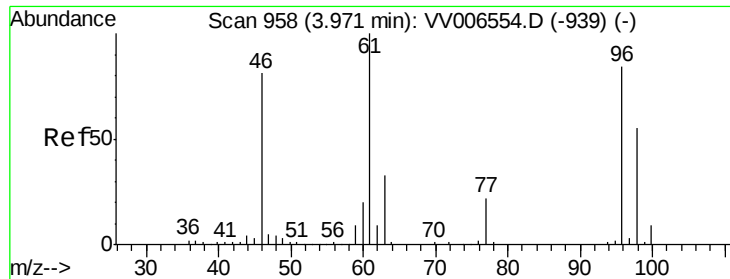
Tgt Ion: 63 Resp: 386923
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.0 41.0
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 102.520 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Tgt Ion: 43 Resp: 474740
 Ion Ratio Lower Upper
 43 100
 72 30.8 15.1 45.3



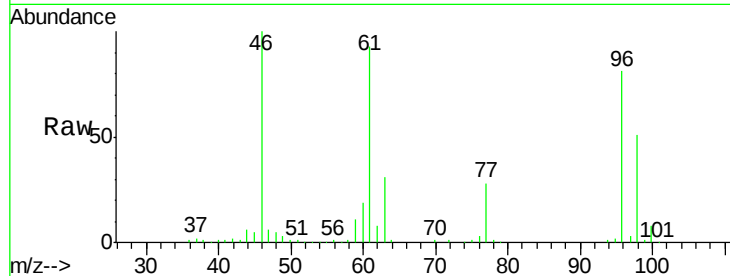


#22

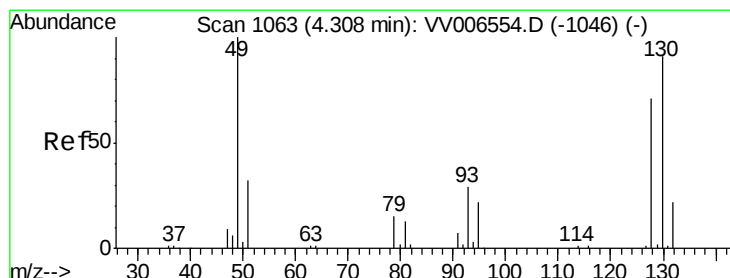
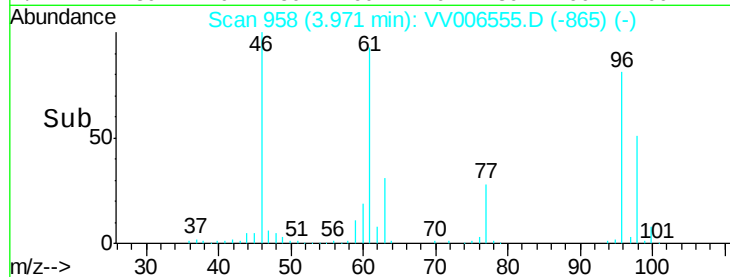
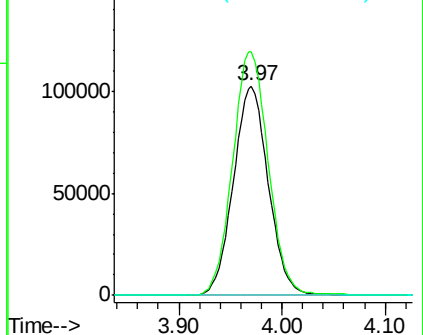
cis-1,2-Dichloroethene
 Concen: 9.907 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion: 96 Resp: 242147
 Ion Ratio Lower Upper
 96 100
 61 116.0 83.8 155.6
 68 0.0 0.0 0.0



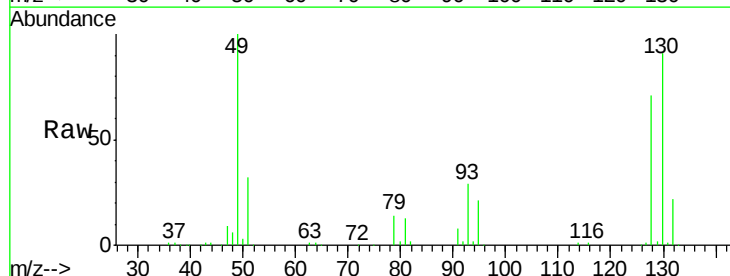
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



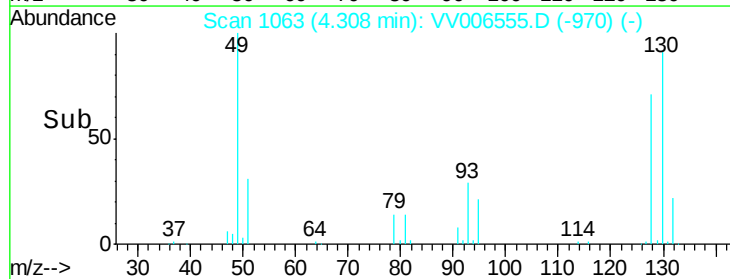
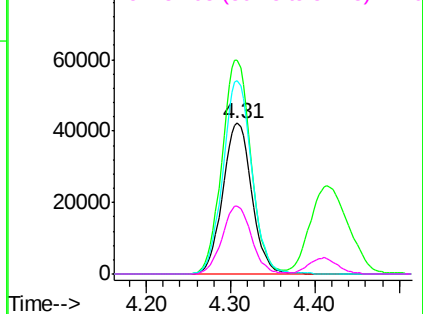
#23

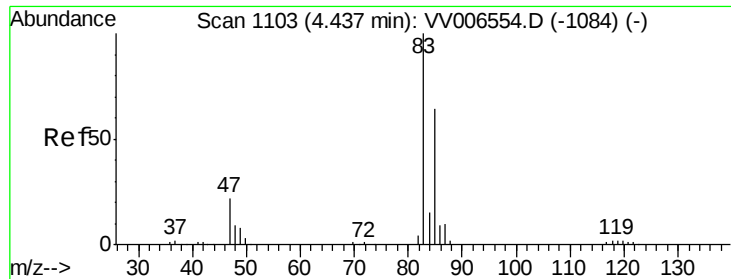
Bromochloromethane
 Concen: 10.098 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Tgt Ion: 128 Resp: 100705
 Ion Ratio Lower Upper
 128 100
 49 141.8 98.8 183.4
 130 128.6 89.5 166.1
 51 45.0 36.2 54.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

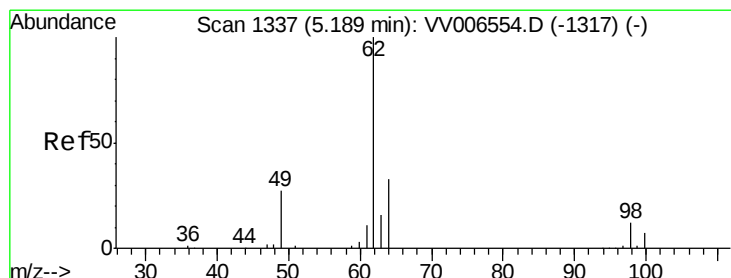
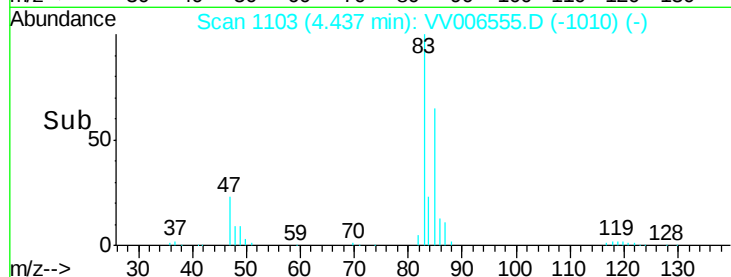
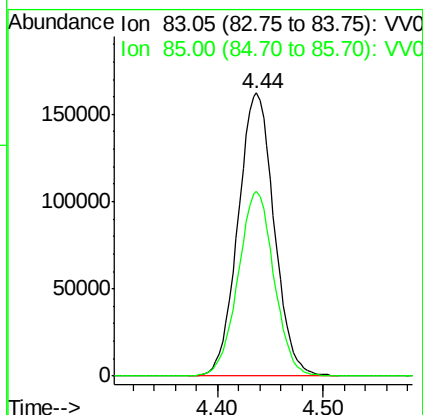
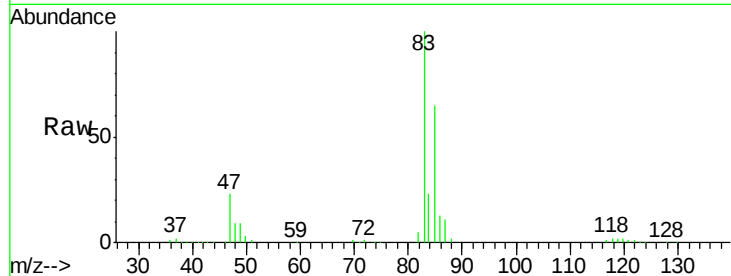




#25
Chloroform
Concen: 9.683 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

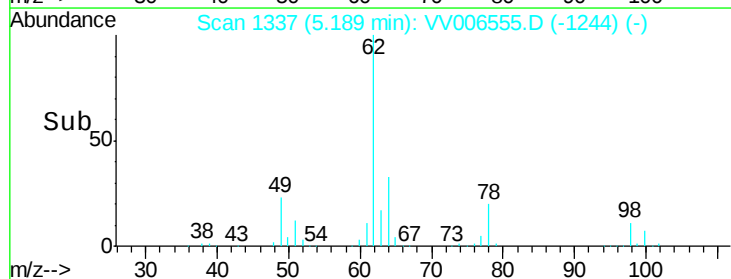
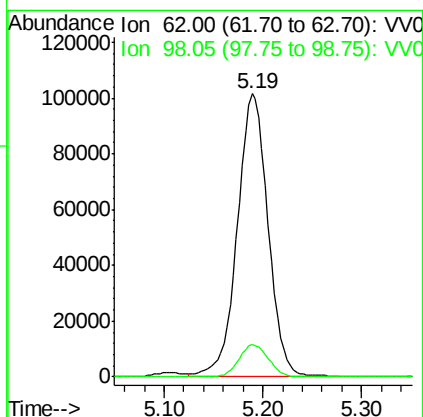
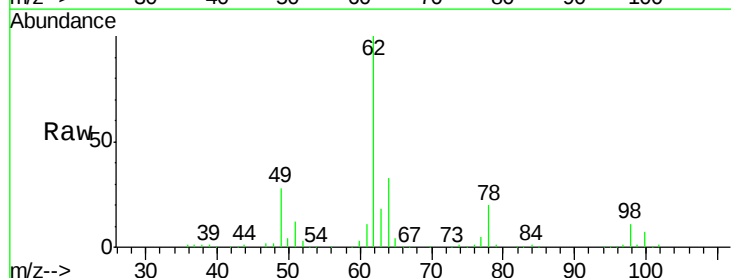
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

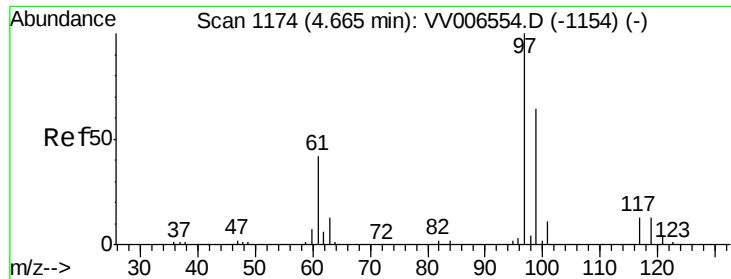
Tgt Ion: 83 Resp: 385726
Ion Ratio Lower Upper
83 100
85 65.3 44.8 83.2



#27
1,2-Dichloroethane
Concen: 9.728 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Tgt Ion: 62 Resp: 217514
Ion Ratio Lower Upper
62 100
98 11.3 9.5 14.3

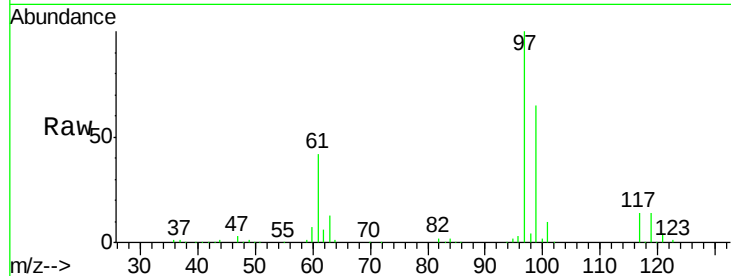




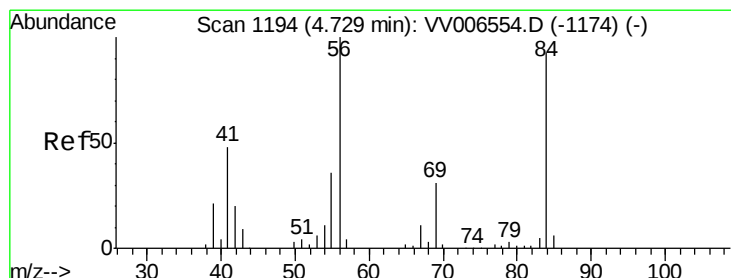
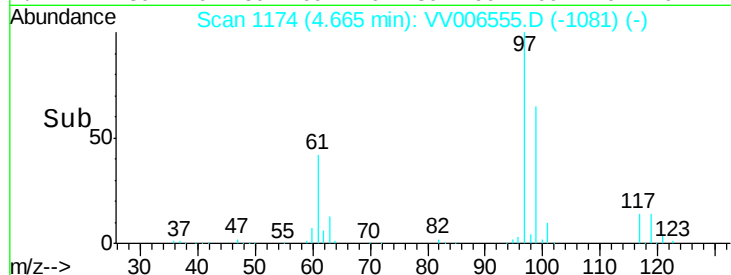
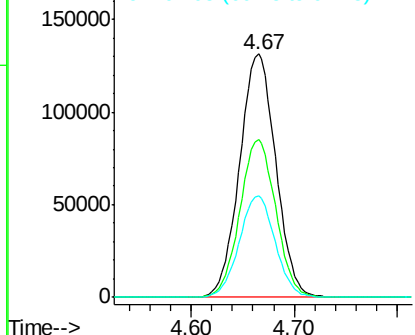
#29
 1,1,1-Trichloroethane
 Concen: 9.607 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion: 97 Resp: 320670
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.2 76.8
 61 41.6 33.7 50.5

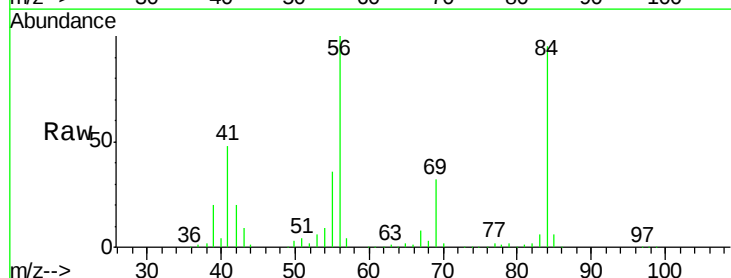


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

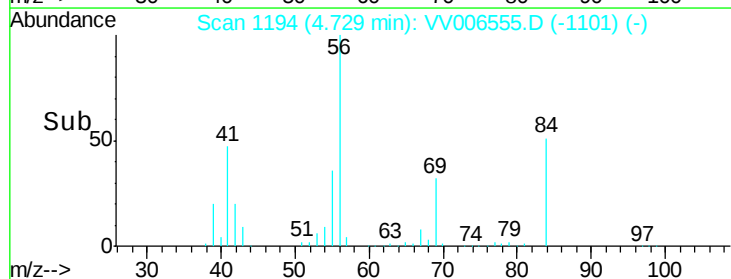
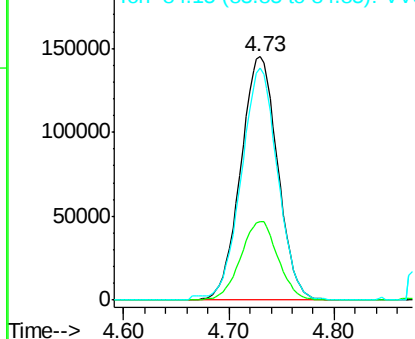


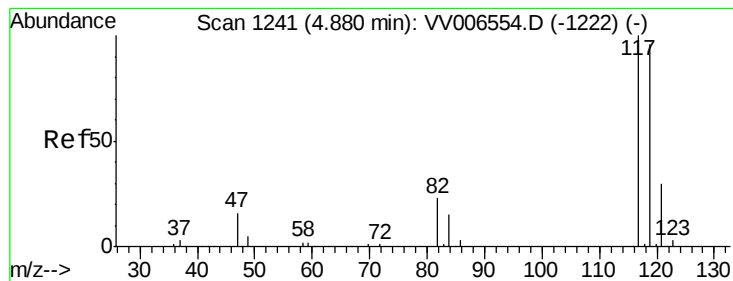
#30
 Cyclohexane
 Concen: 10.413 ug/L
 RT: 4.73 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Tgt Ion: 56 Resp: 353644
 Ion Ratio Lower Upper
 56 100
 69 32.6 25.5 38.3
 84 93.2 74.7 112.1



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





#31

Carbon tetrachloride

Concen: 9.654 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

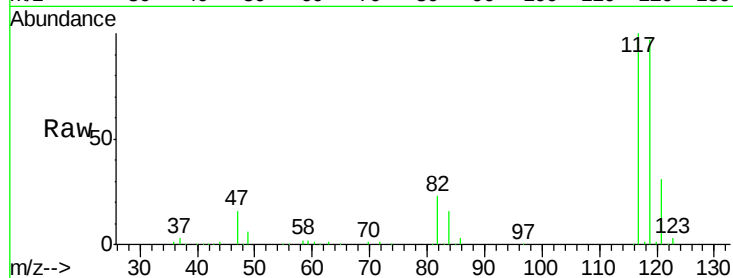
VSTD01064

Tgt Ion:117 Resp: 271182

Ion Ratio Lower Upper

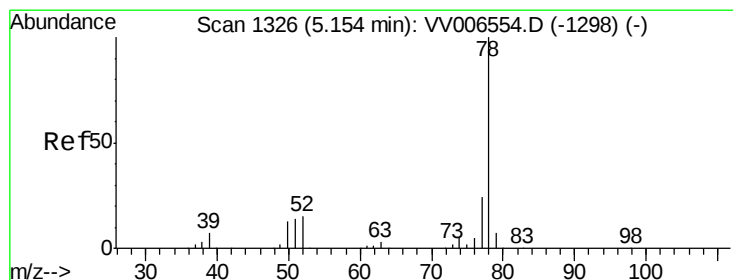
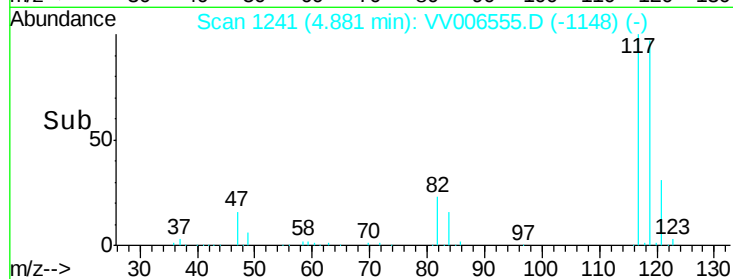
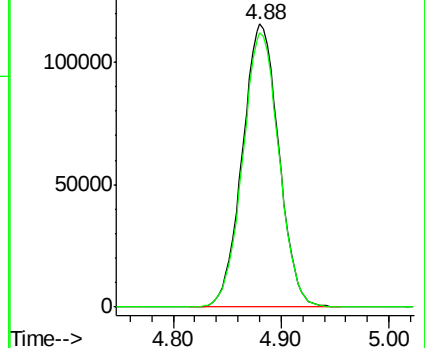
117 100

119 96.5 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.931 ug/L

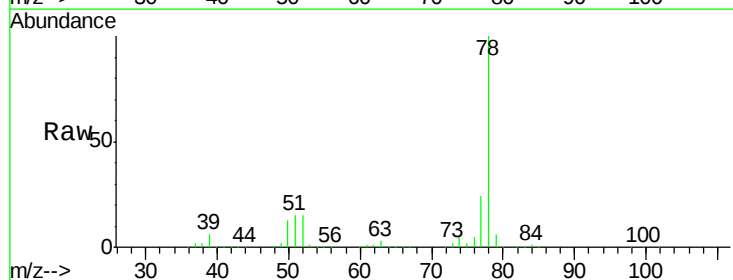
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

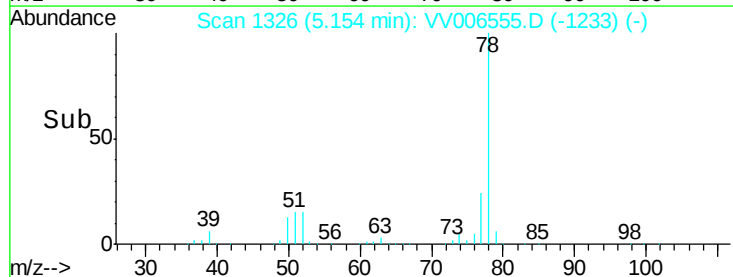
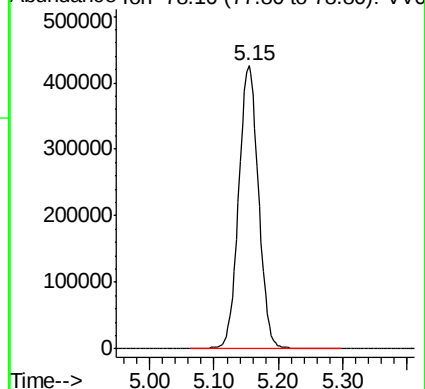
Lab File: VV006555.D

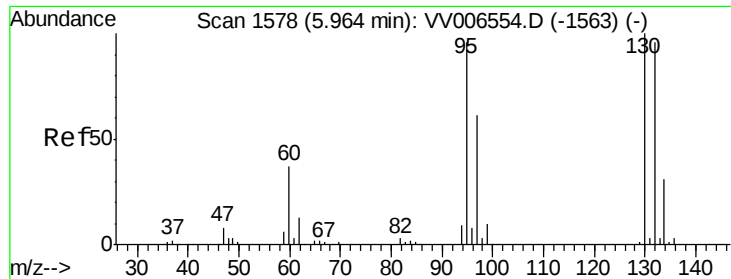
Acq: 07 Jul 2018 10:07

Tgt Ion: 78 Resp: 907594



Abundance Ion 78.10 (77.80 to 78.80): VV0

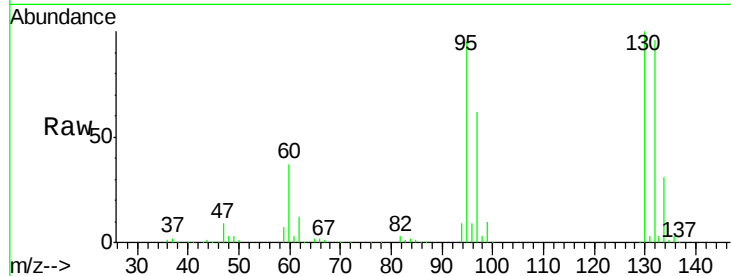




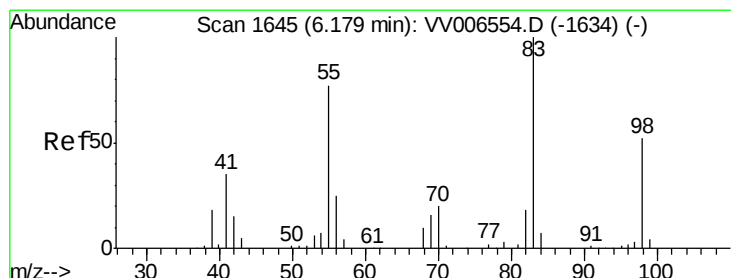
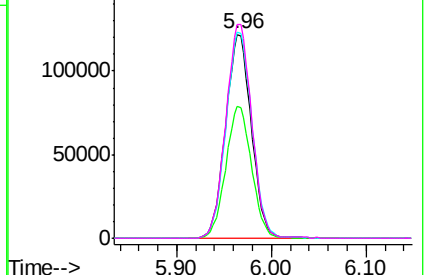
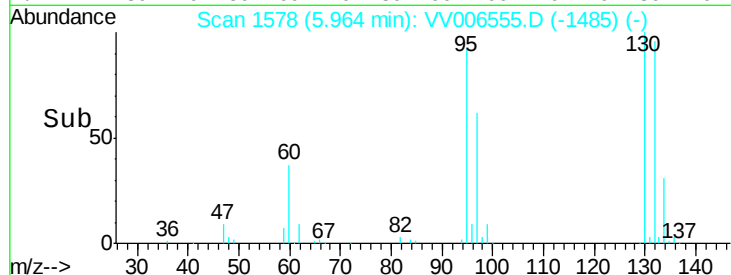
#34
 Trichloroethene
 Concen: 9.000 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion: 95 Resp: 231437
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.3 82.3
 132 101.1 70.0 130.0
 130 104.9 72.7 134.9

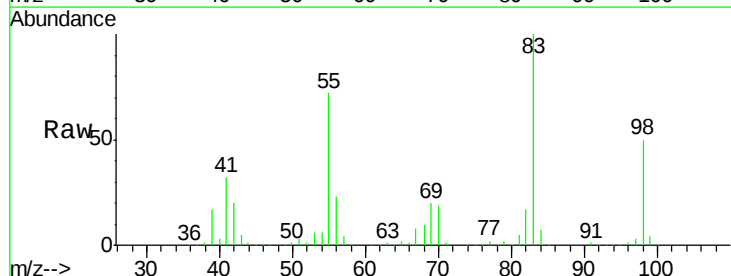


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

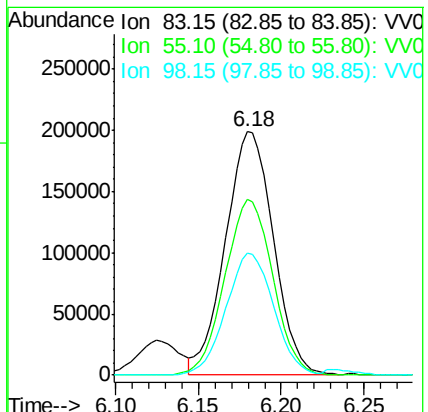
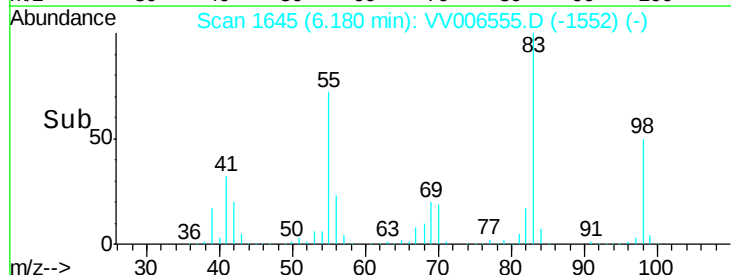


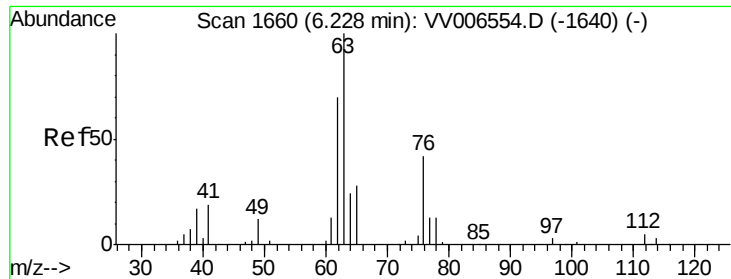
#35
 Methylcyclohexane
 Concen: 10.523 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Tgt Ion: 83 Resp: 401693
 Ion Ratio Lower Upper
 83 100
 55 71.8 58.3 87.5
 98 49.5 39.3 58.9



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

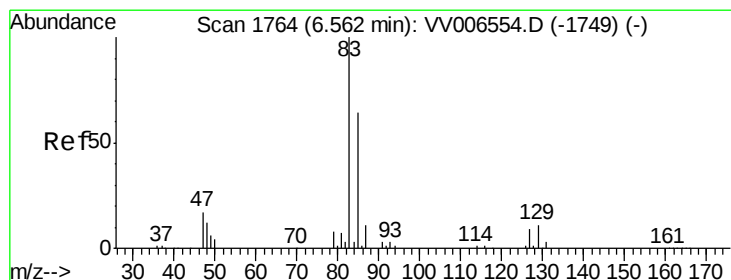
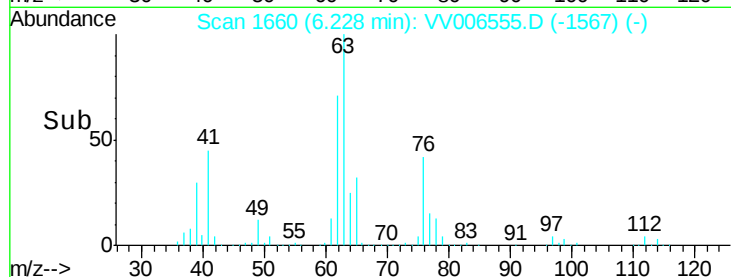
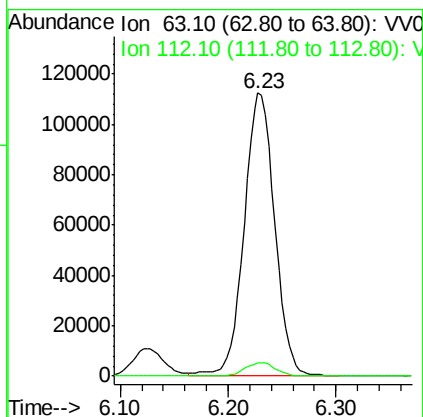
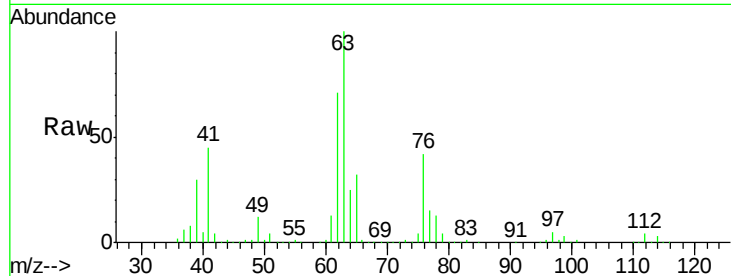




#37
 1,2-Dichloropropane
 Concen: 9.883 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

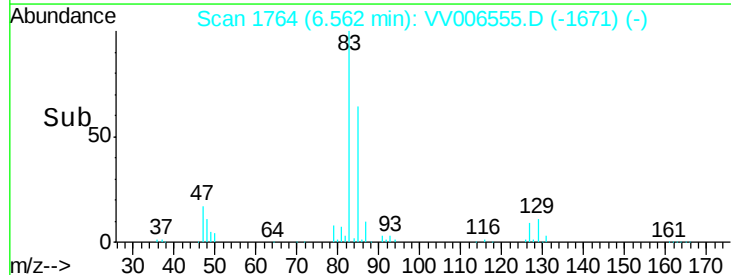
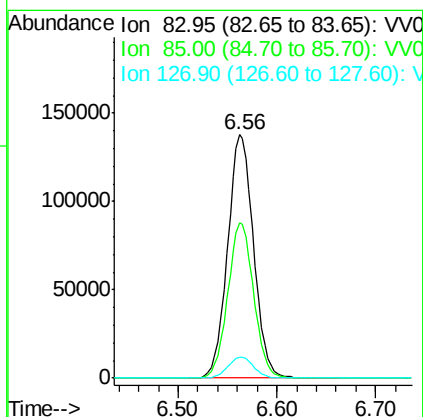
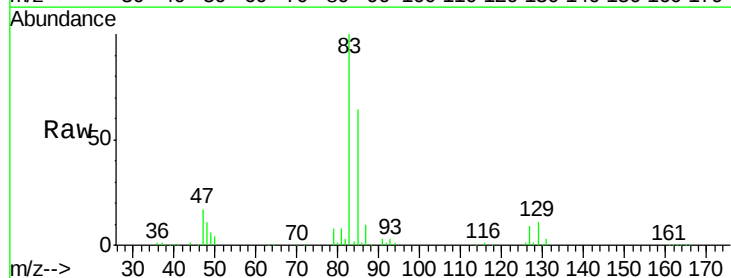
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

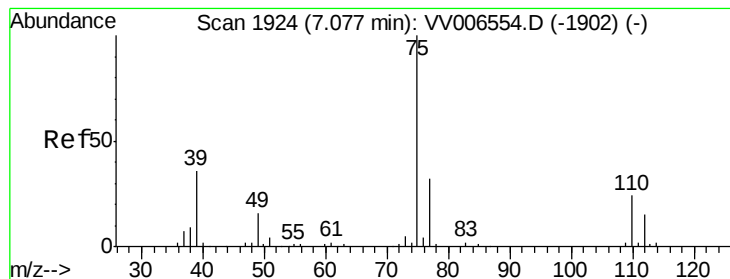
Tgt Ion: 63 Resp: 220069
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 9.906 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006555.D
 Acq: 07 Jul 2018 10:07

Tgt Ion: 83 Resp: 252976
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.7
 127 8.6 6.9 10.3



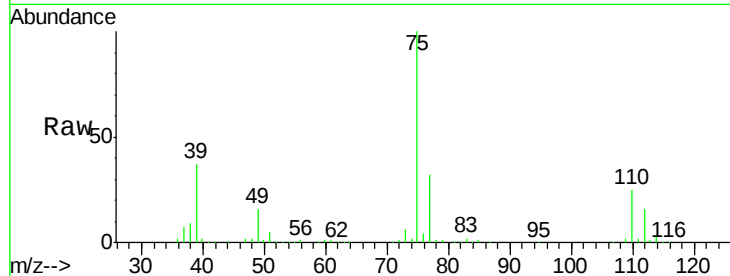


#39

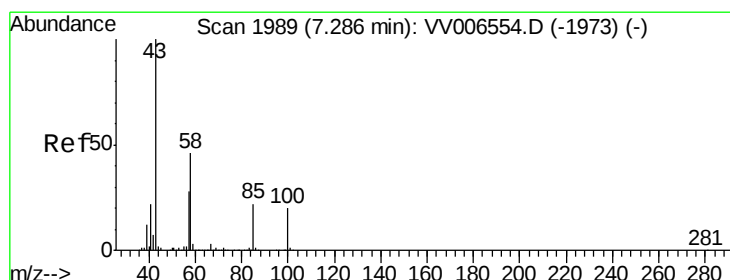
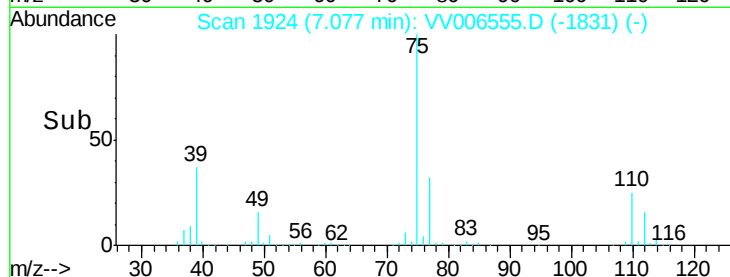
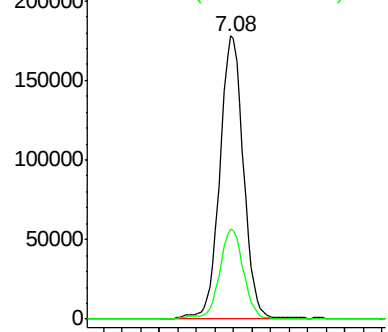
cis-1,3-Dichloropropene
Concen: 10.230 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 75 Resp: 315430
Ion Ratio Lower Upper
75 100
77 32.0 22.0 41.0



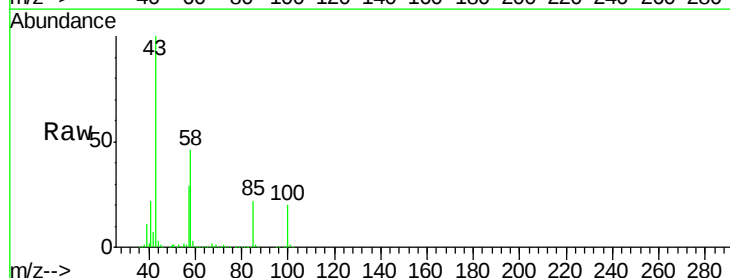
Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0



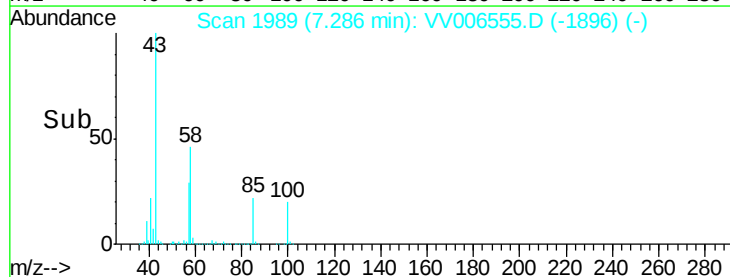
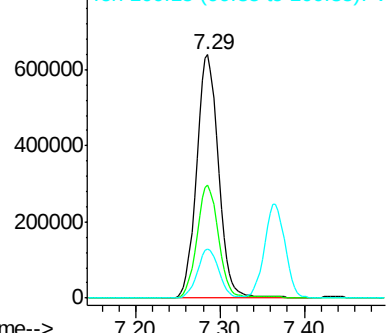
#40

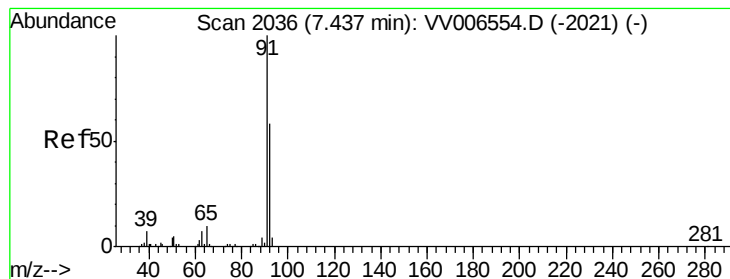
4-Methyl-2-pentanone
Concen: 105.650 ug/L
RT: 7.29 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Tgt Ion: 43 Resp: 1156332
Ion Ratio Lower Upper
43 100
58 45.5 35.8 53.6
100 19.7 15.4 23.0



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: 9.920 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

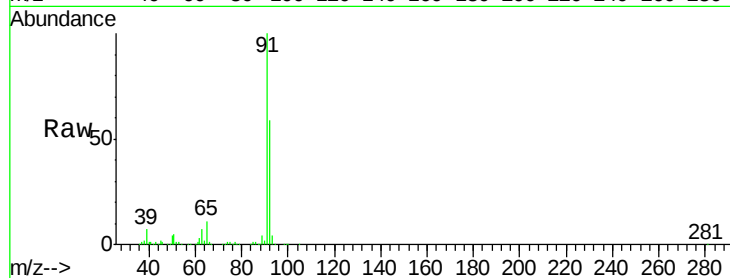
VSTD01064

Tgt Ion: 91 Resp: 957748

Ion Ratio Lower Upper

91 100

92 58.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VV006555.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006555.D (-1943) (-)

7.44

600000

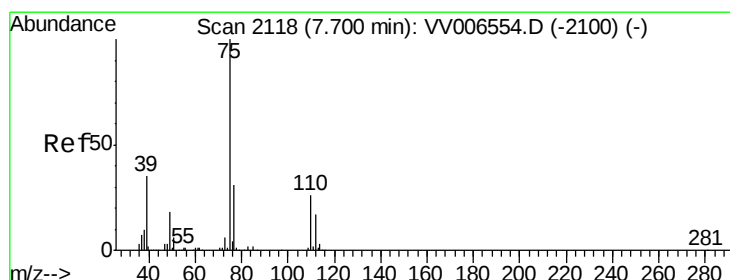
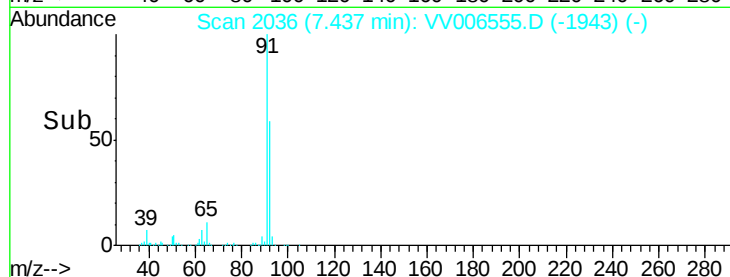
400000

200000

0

7.40 7.50 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.311 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006555.D

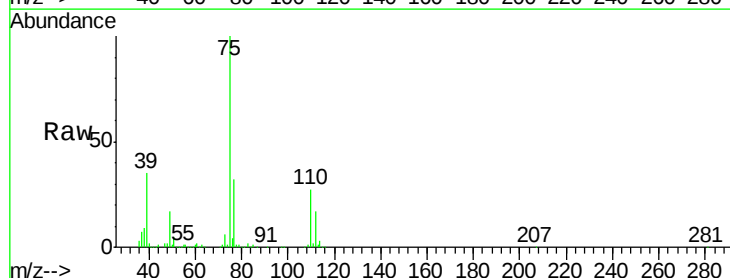
Acq: 07 Jul 2018 10:07

Tgt Ion: 75 Resp: 248464

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV006555.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006555.D (-2025) (-)

7.70

150000

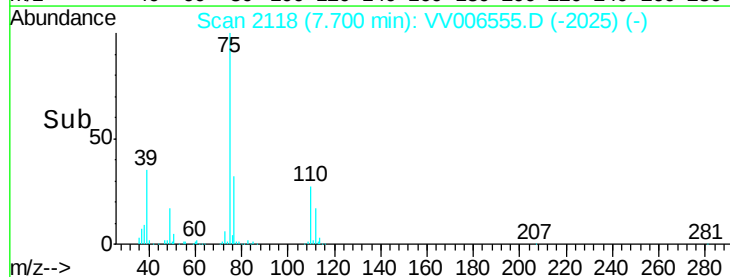
100000

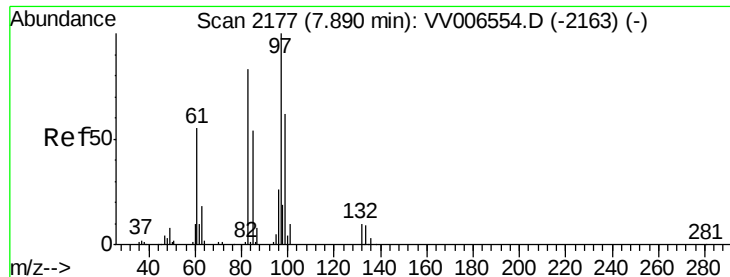
50000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 10.065 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 97 Resp: 155323

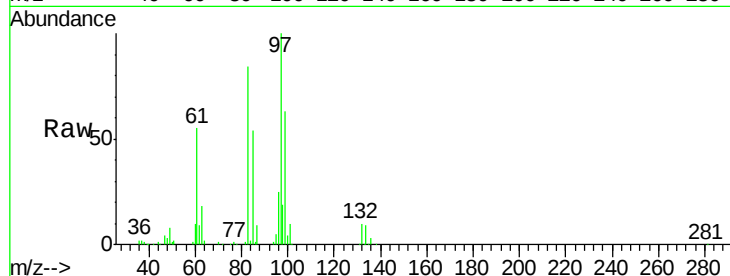
Ion Ratio Lower Upper

97 100

99 62.9 43.3 80.3

83 84.0 58.0 107.8

85 54.0 37.8 70.2

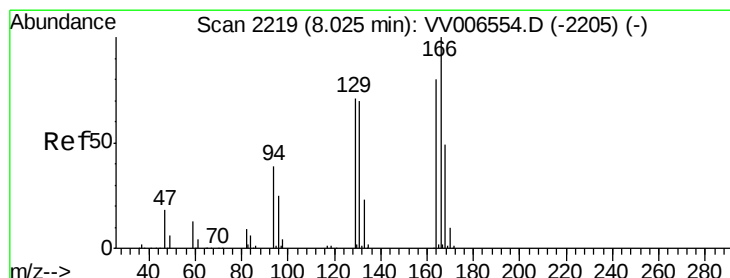
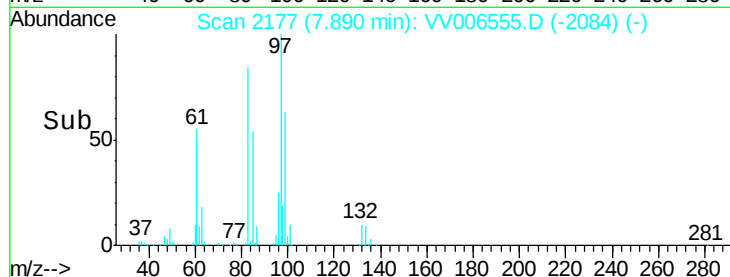
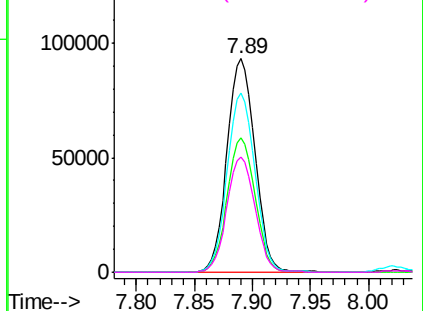


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 9.699 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Tgt Ion: 164 Resp: 191651

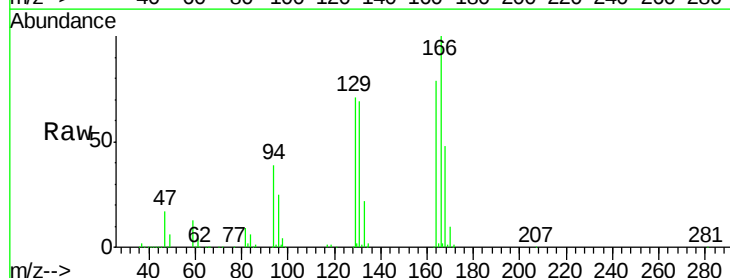
Ion Ratio Lower Upper

164 100

129 90.0 62.1 115.3

131 87.4 60.8 113.0

166 127.1 87.1 161.7

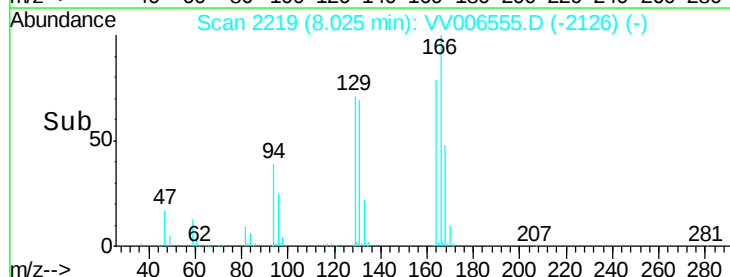
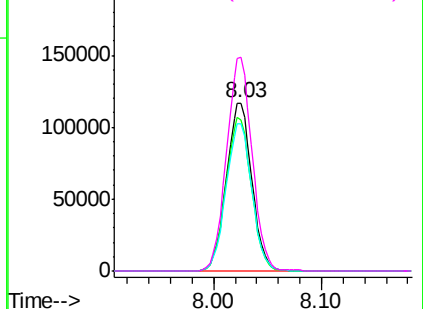


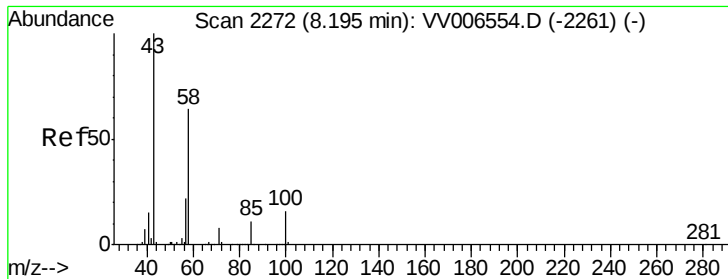
Abundance Ion 163.90 (163.60 to 164.60): V

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

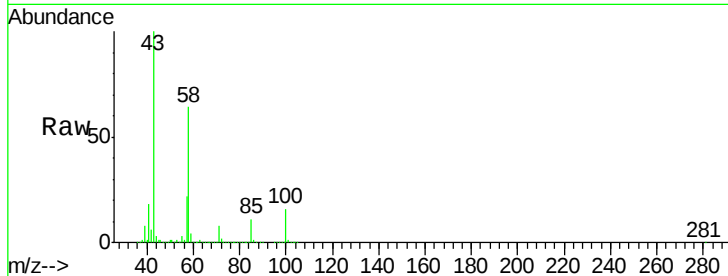




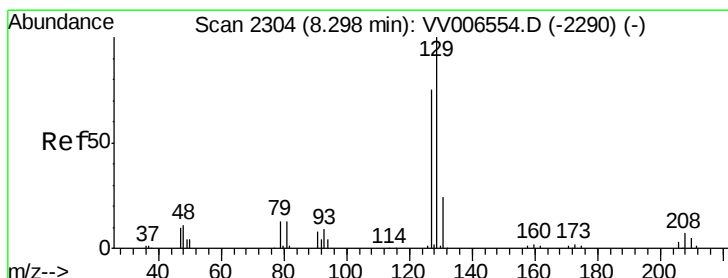
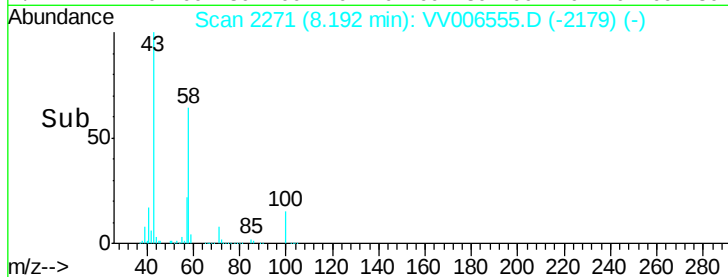
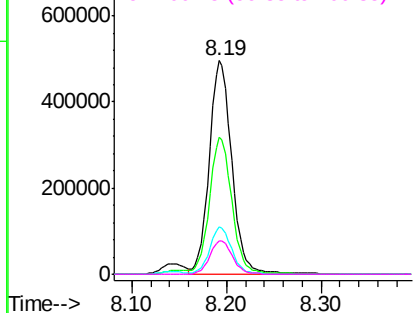
#48
2-Hexanone
Concen: 104.081 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 43 Resp: 818473
Ion Ratio Lower Upper
43 100
58 64.4 50.3 75.5
57 21.9 17.0 25.4
100 15.8 12.3 18.5

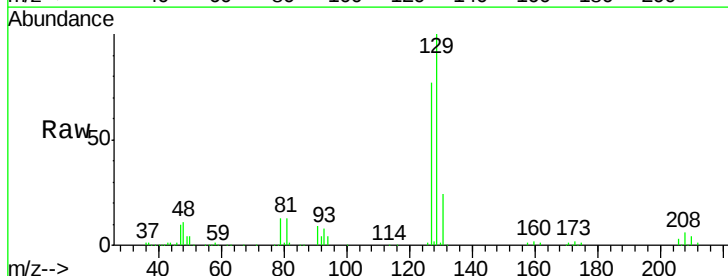


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

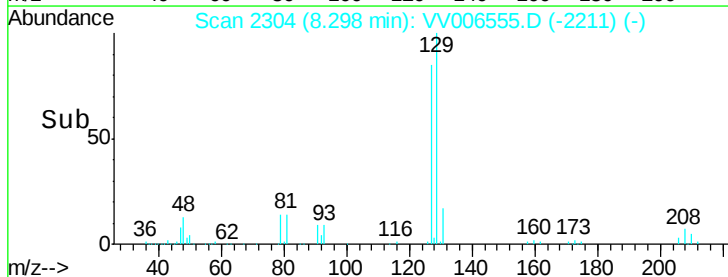
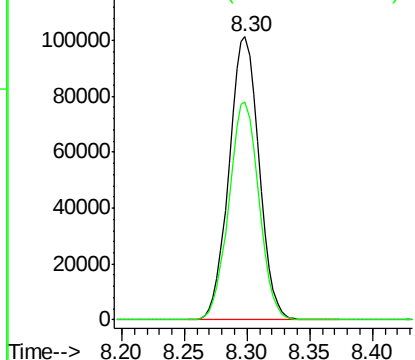


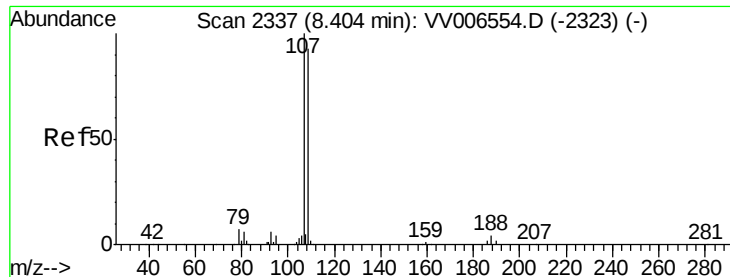
#49
Dibromochloromethane
Concen: 10.302 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Tgt Ion: 129 Resp: 168543
Ion Ratio Lower Upper
129 100
127 77.2 52.7 97.9



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

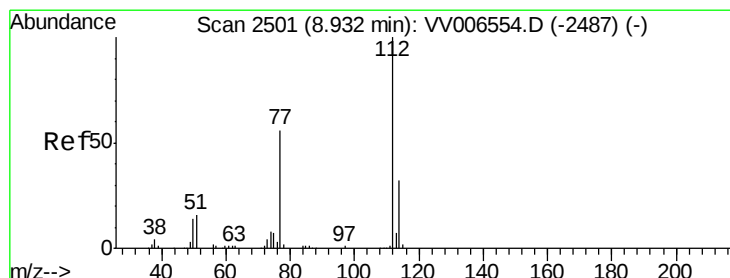
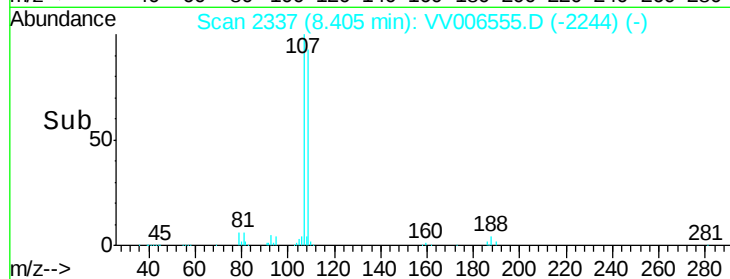
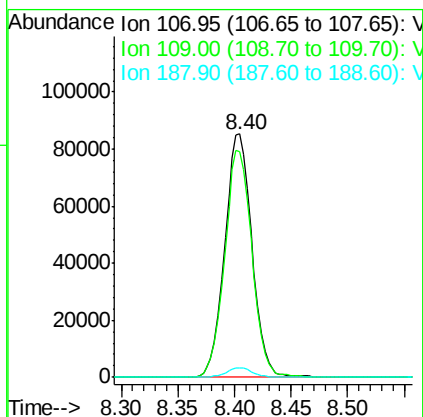
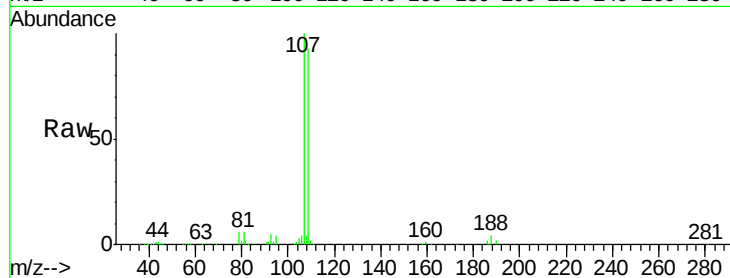




#50
1,2-Dibromoethane
Concen: 10.289 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

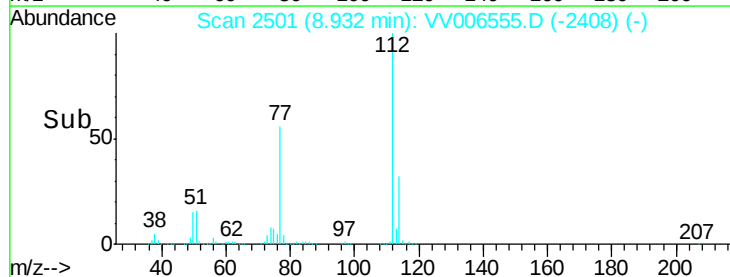
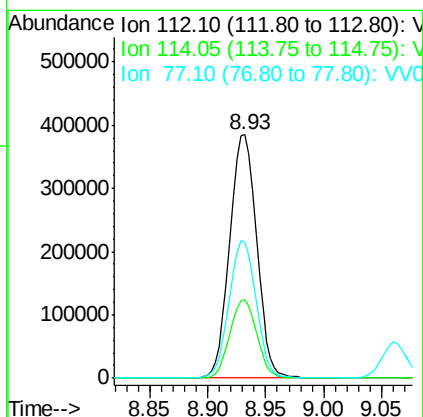
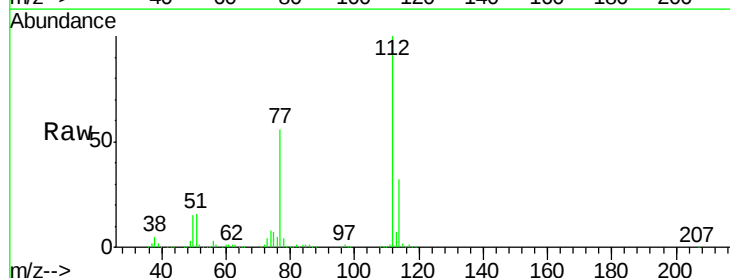
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

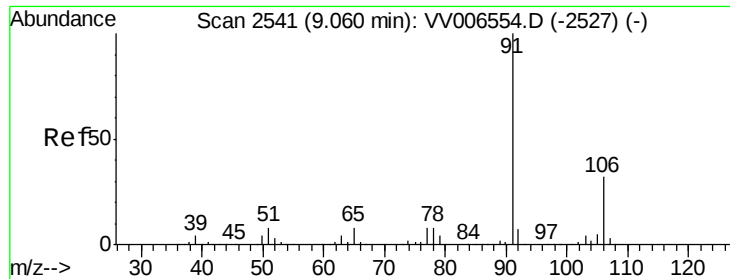
Tgt Ion:107 Resp: 142660
Ion Ratio Lower Upper
107 100
109 92.9 65.2 121.0
188 4.1 3.4 5.0



#51
Chlorobenzene
Concen: 9.719 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006555.D
Acq: 07 Jul 2018 10:07

Tgt Ion:112 Resp: 619065
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 55.7 45.1 67.7





#52

Ethylbenzene

Concen: 10.011 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

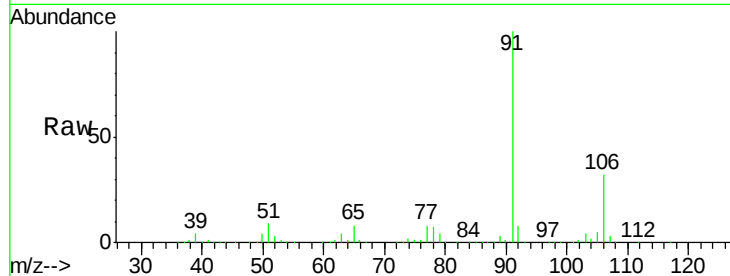
VSTD01064

Tgt Ion: 91 Resp: 1044021

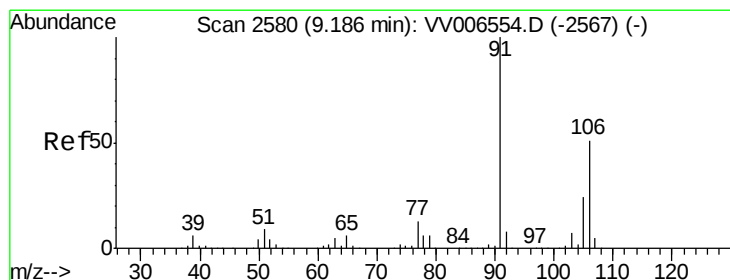
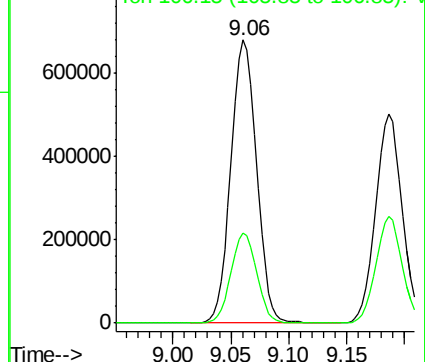
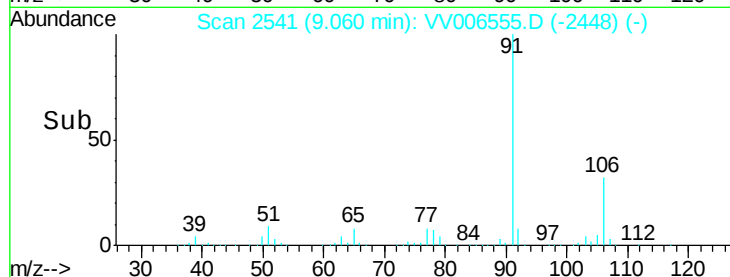
Ion Ratio Lower Upper

91 100

106 31.7 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV006555.D (-2448) (-)



#53

m,p-xylene

Concen: 10.186 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006555.D

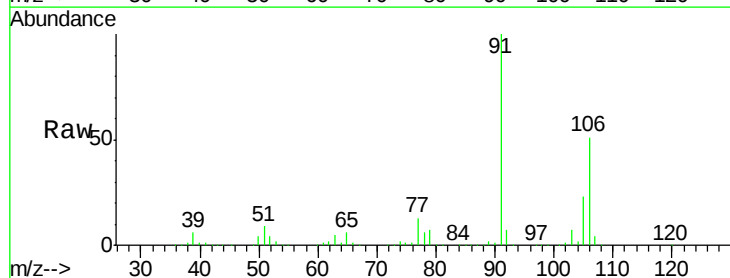
Acq: 07 Jul 2018 10:07

Tgt Ion: 106 Resp: 410107

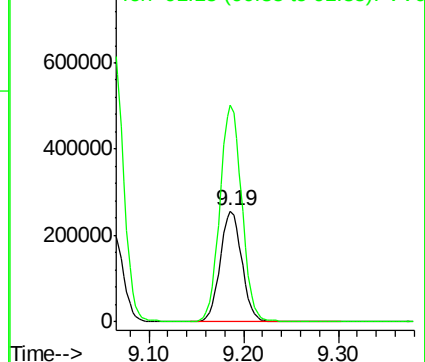
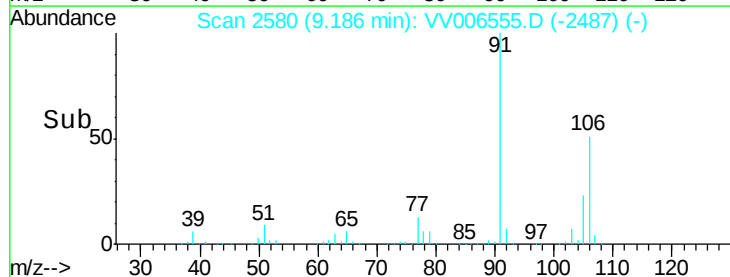
Ion Ratio Lower Upper

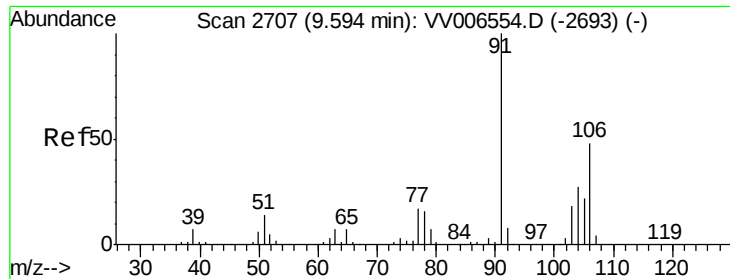
106 100

91 195.4 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV006555.D (-2487) (-)





#54

o-xylene

Concen: 10.115 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

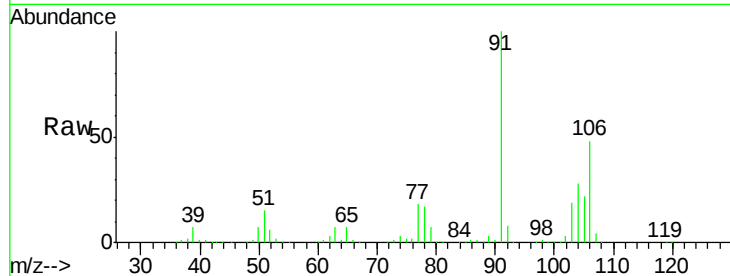
VSTD01064

Tgt Ion:106 Resp: 398559

Ion Ratio Lower Upper

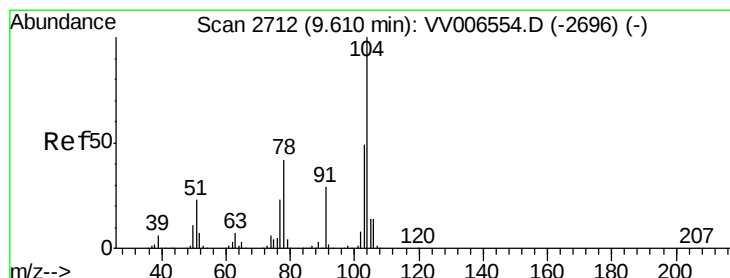
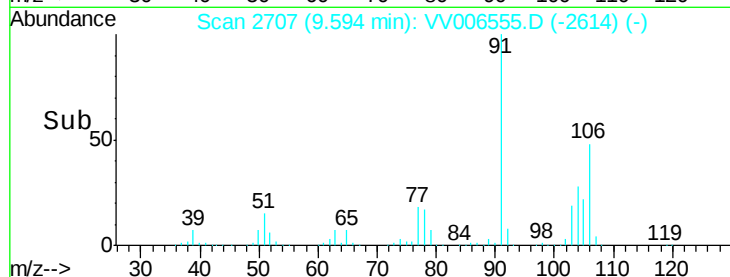
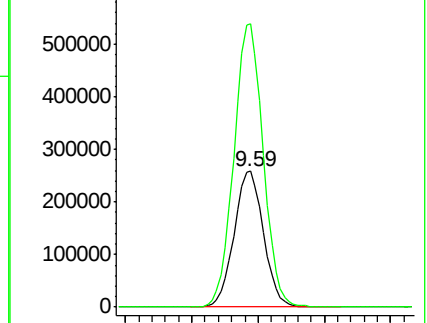
106 100

91 208.2 146.1 271.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.500 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006555.D

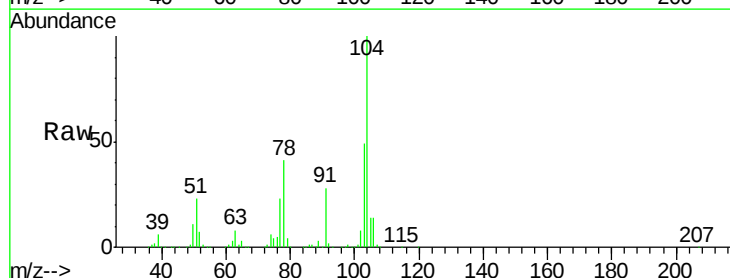
Acq: 07 Jul 2018 10:07

Tgt Ion:104 Resp: 680162

Ion Ratio Lower Upper

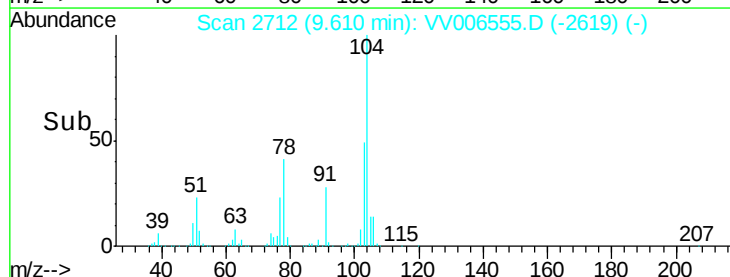
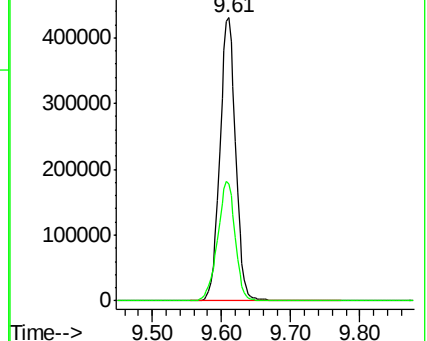
104 100

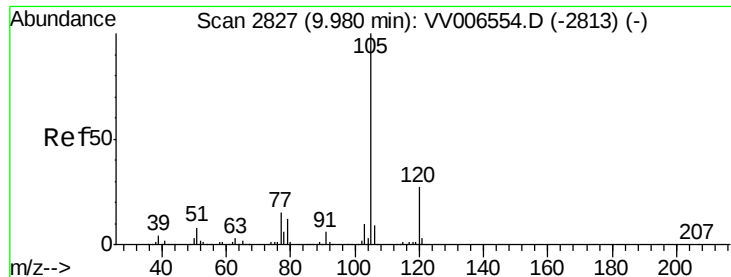
78 41.4 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.132 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

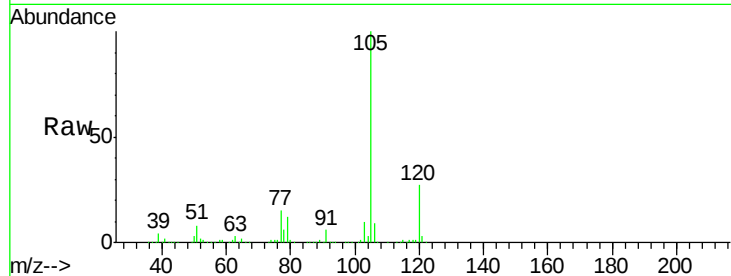
Tgt Ion: 105 Resp: 1039004

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

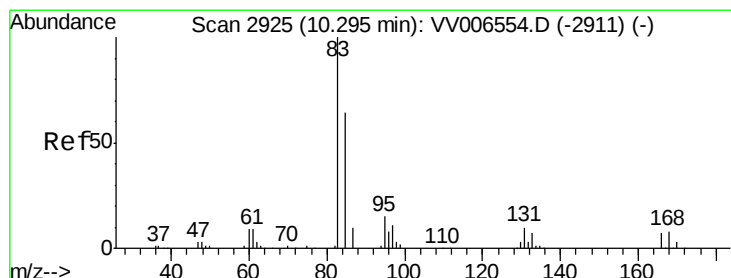
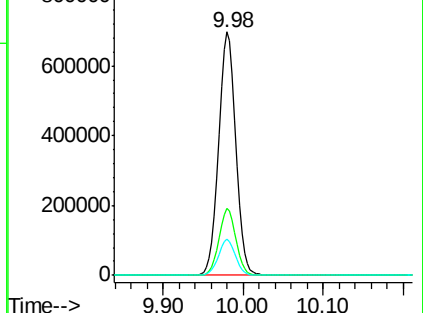
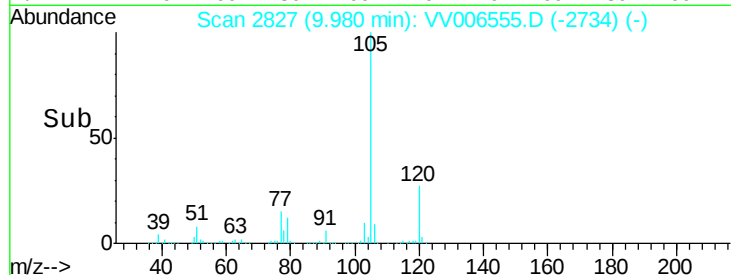
77 14.6 11.8 17.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 12.076 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

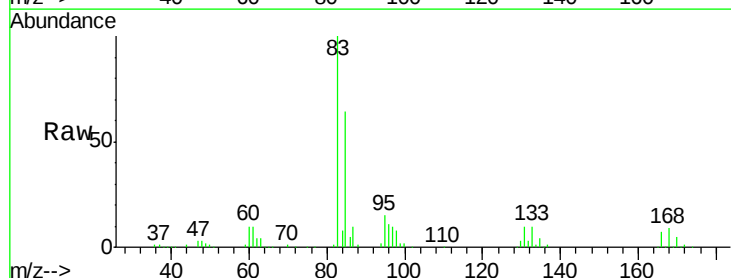
Tgt Ion: 83 Resp: 183891

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

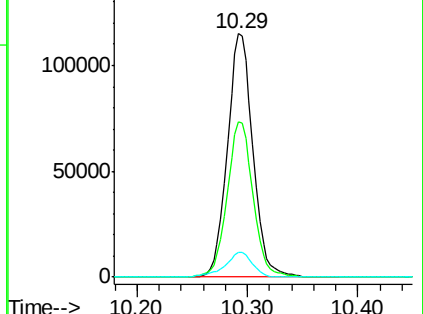
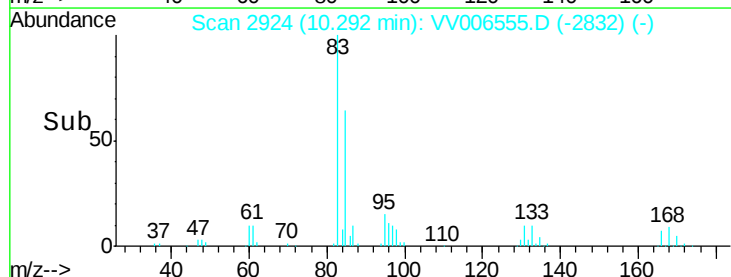
131 10.0 8.6 13.0

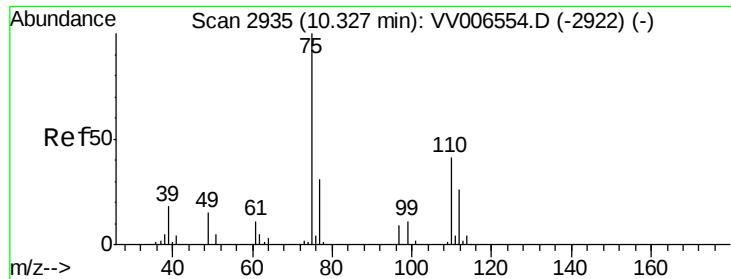


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.836 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

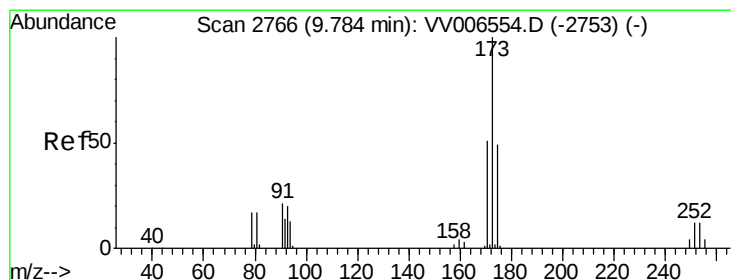
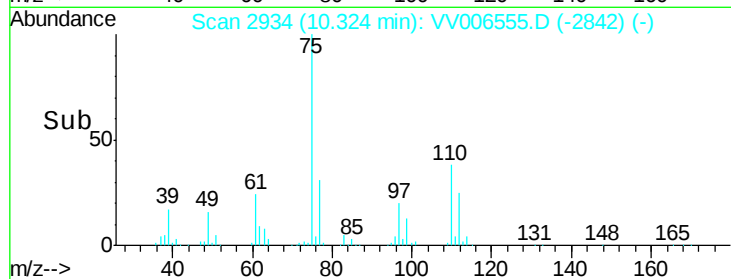
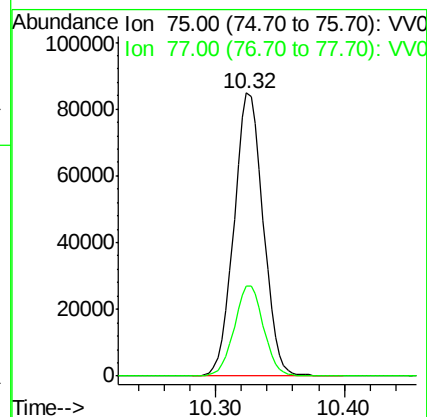
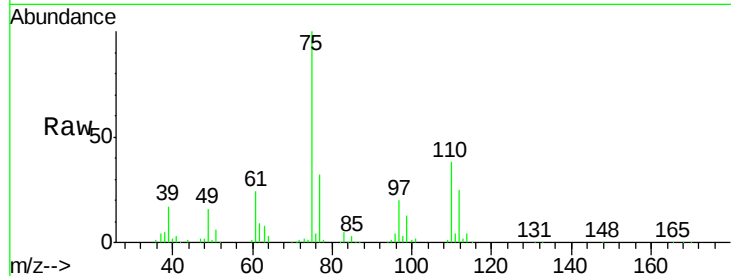
VSTD01064

Tgt Ion: 75 Resp: 133354

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#61

Bromoform

Concen: 10.298 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

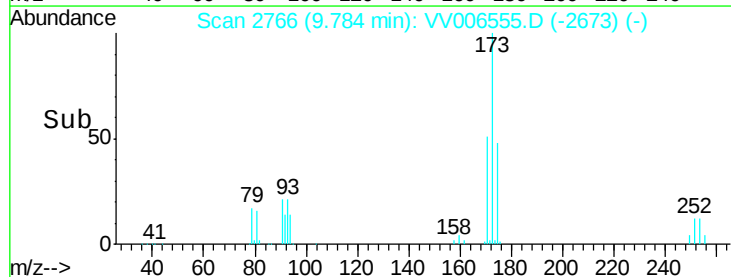
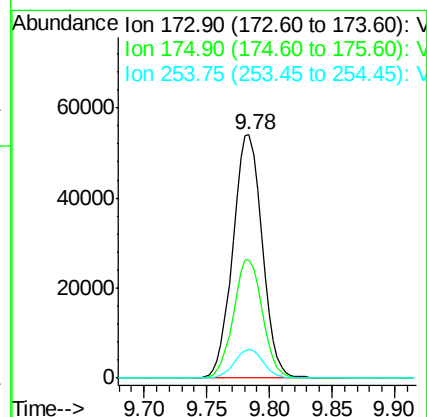
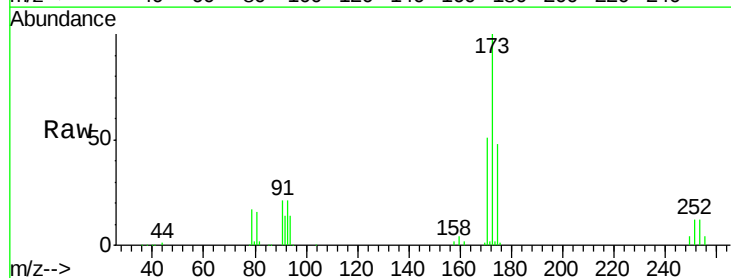
Tgt Ion: 173 Resp: 87848

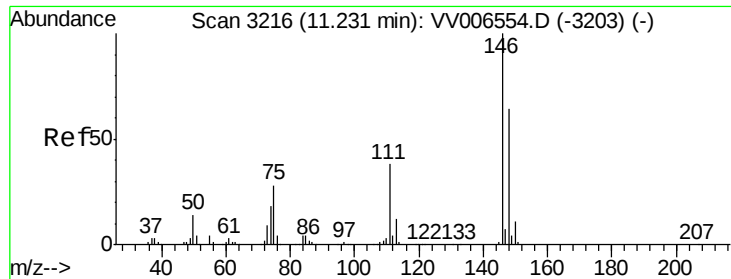
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 11.6 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 9.603 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

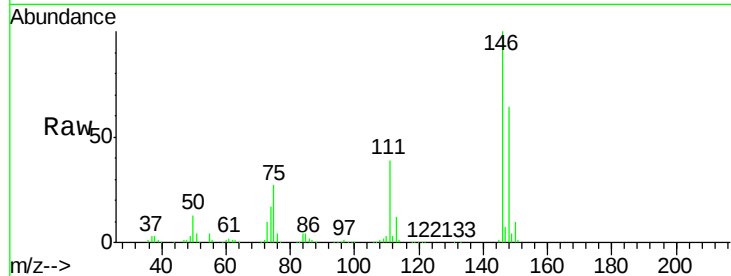
Tgt Ion:146 Resp: 476057

Ion Ratio Lower Upper

146 100

111 38.8 26.9 49.9

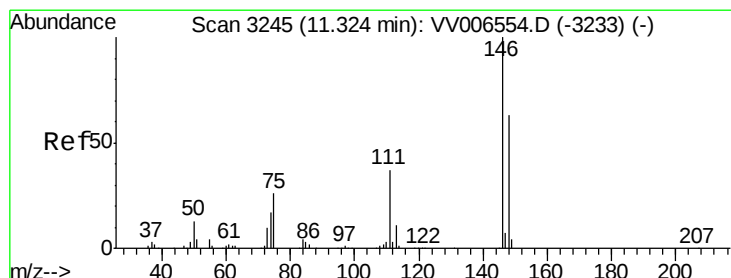
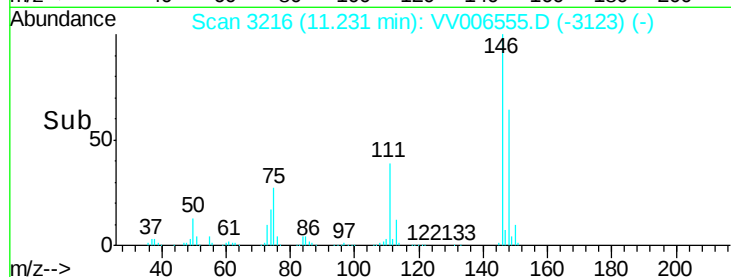
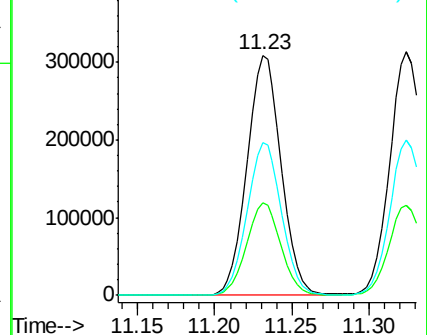
148 63.8 44.4 82.5



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: 9.669 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

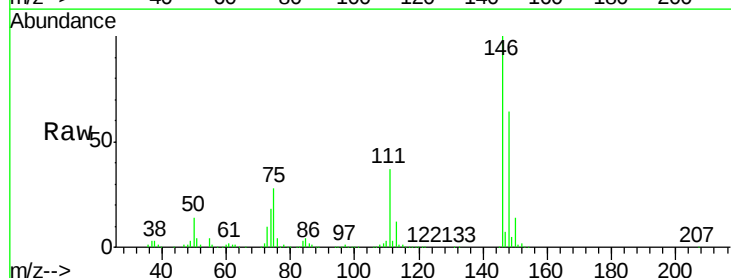
Tgt Ion:146 Resp: 481401

Ion Ratio Lower Upper

146 100

111 37.1 26.0 48.4

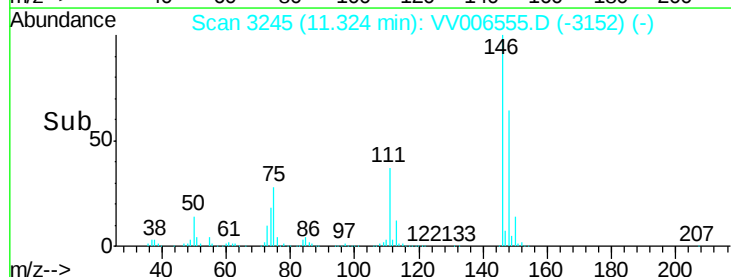
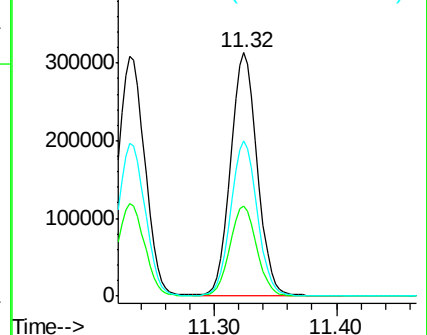
148 63.6 44.2 82.0

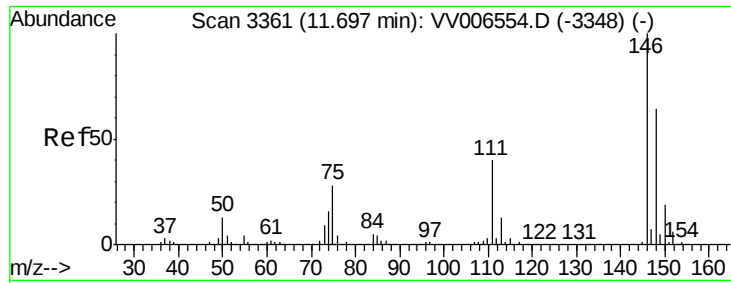


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.677 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

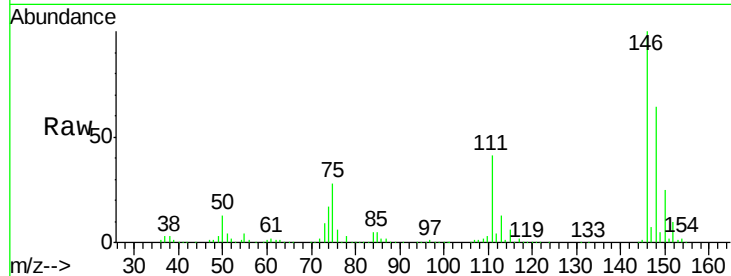
Tgt Ion:146 Resp: 452601

Ion Ratio Lower Upper

146 100

111 40.8 32.4 48.6

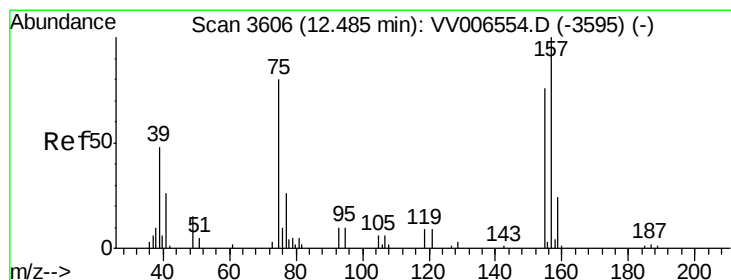
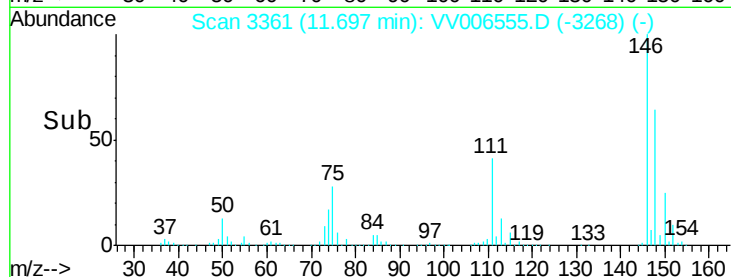
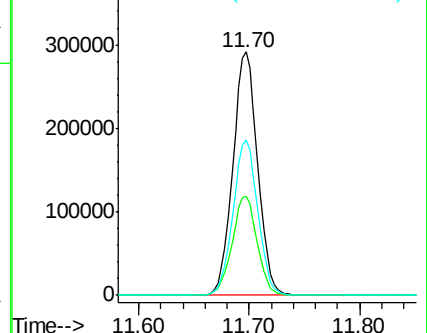
148 63.8 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 11.758 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

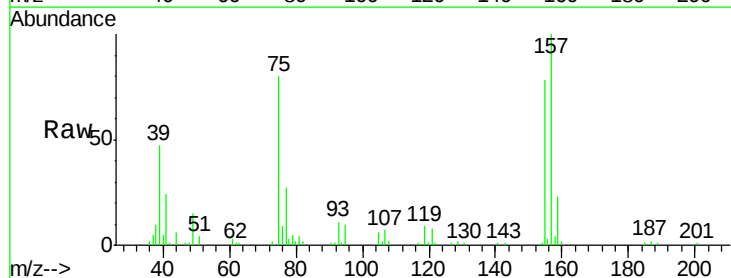
Tgt Ion: 75 Resp: 24456

Ion Ratio Lower Upper

75 100

155 97.5 75.4 113.2

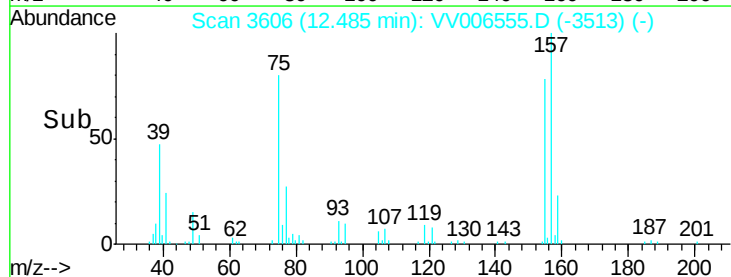
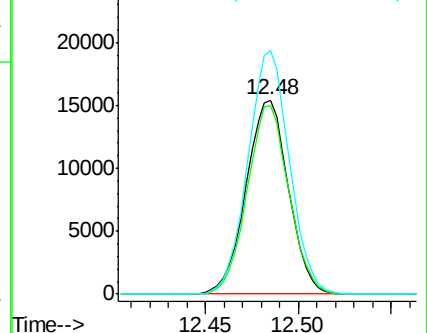
157 125.6 99.6 149.4

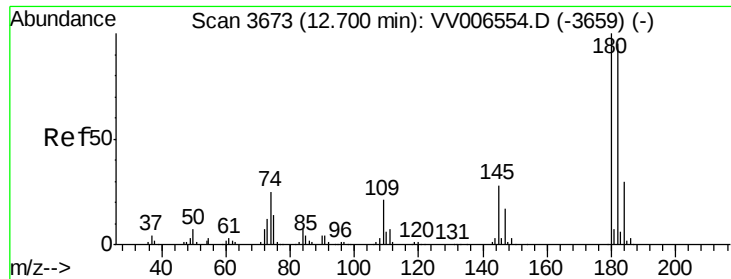


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 9.984 ug/L

RT: 12.70 min Scan# 3672

Delta R.T. -0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion:180 Resp: 380375

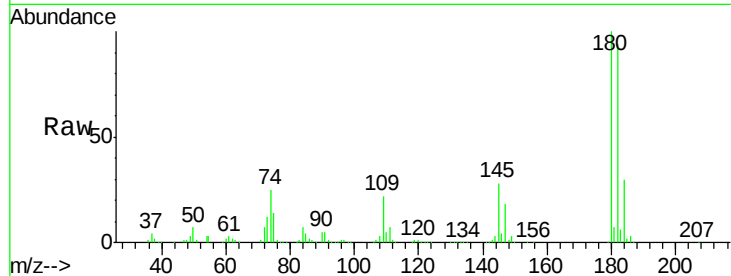
Ion Ratio Lower Upper

180 100

182 94.8 76.1 114.1

184 30.7 24.1 36.1

145 28.3 22.3 33.5

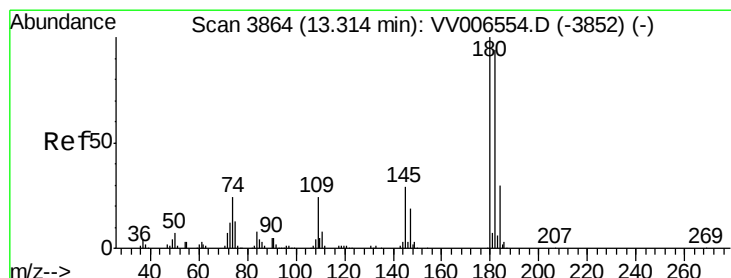
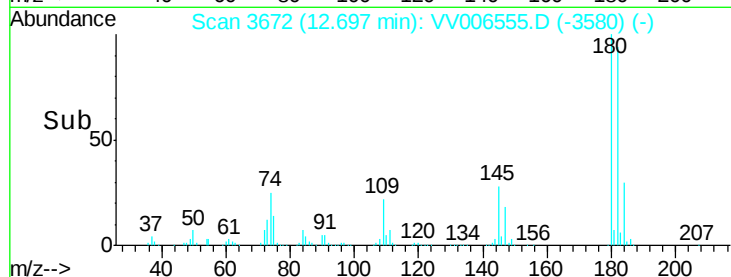
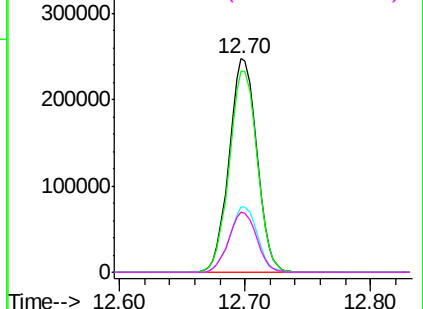


Abundance Ion 180.00 (179.70 to 180.70): V

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: 11.066 ug/L

RT: 13.31 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

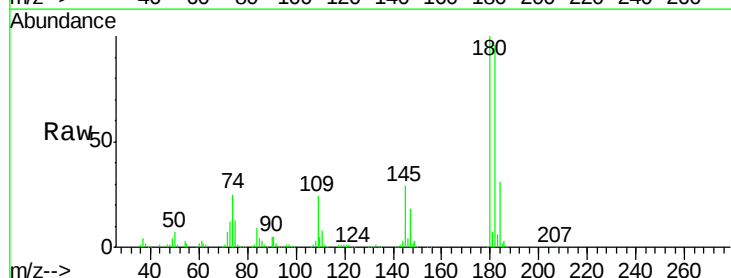
Tgt Ion:180 Resp: 311441

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

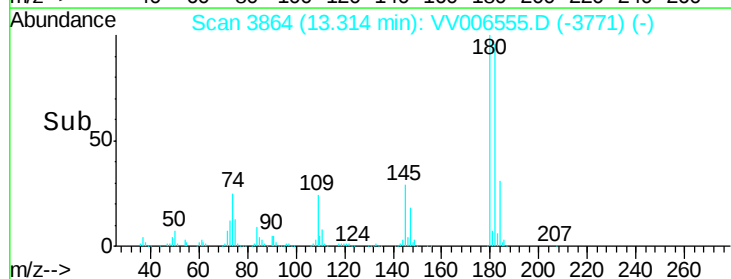
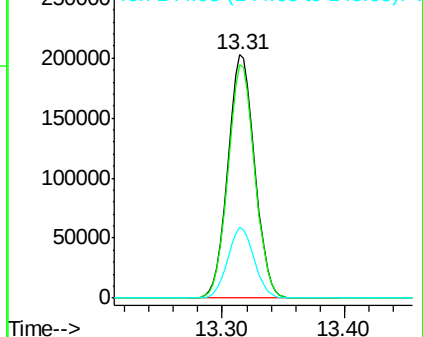
145 28.8 23.0 34.4

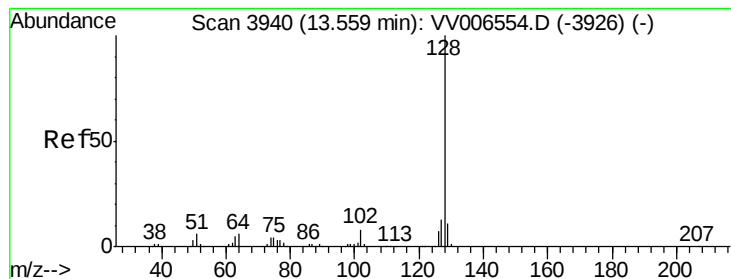


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.999 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

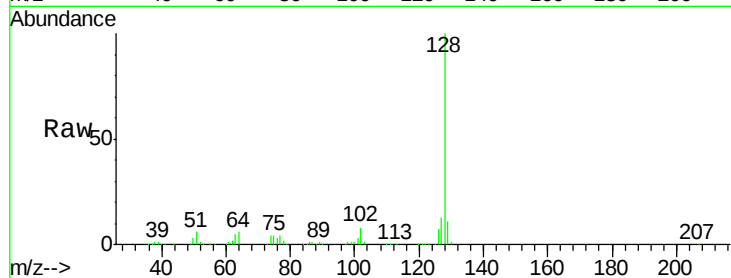
Tgt Ion:128 Resp: 551405

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

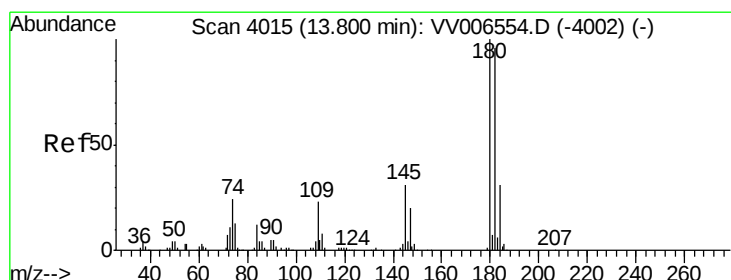
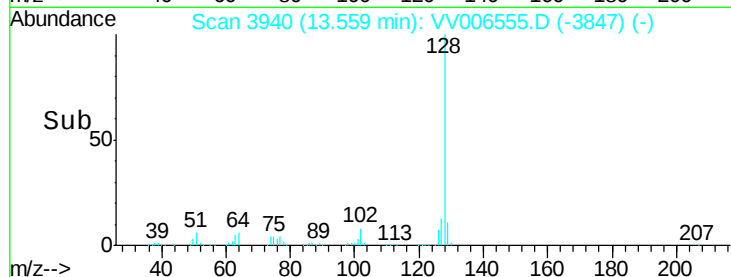
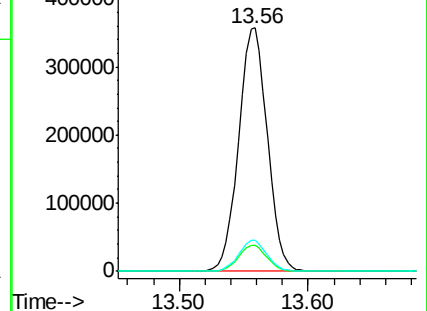
127 12.6 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.090 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006555.D

Acq: 07 Jul 2018 10:07

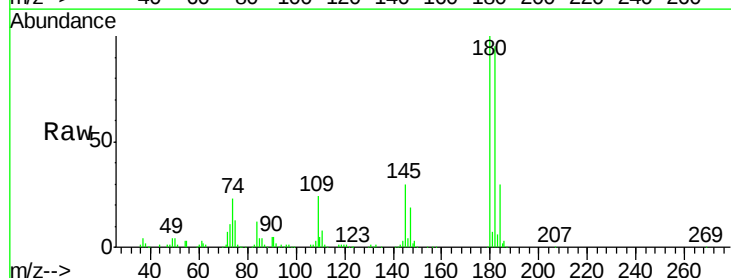
Tgt Ion:180 Resp: 292151

Ion Ratio Lower Upper

180 100

182 95.2 76.3 114.5

145 30.9 24.7 37.1



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

