

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071918\
 Data File : VV006639.D
 Acq On : 19 Jul 2018 13:03
 Operator : SY/MD
 Sample : VSTD00165
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Quant Time: Jul 20 04:44:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 04:43:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	262477	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	238630	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	106299	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16914	0.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	12603	1.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	32909	0.93	ug/L	0.00
20) 2-Butanone-d5	3.95	46	36009	9.00	ug/L	0.00
24) Chloroform-d	4.41	84	28055	0.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	13329	0.91	ug/L	0.00
32) Benzene-d6	5.11	84	57102	0.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	18469	0.92	ug/L	0.00
41) Toluene-d8	7.36	98	53112	0.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5821	0.85	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	27195	8.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	13104	0.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	17472	0.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	19551	0.924 ug/L	# 83
3) Chloromethane	1.26	50	20305	0.962 ug/L	98
5) Vinyl chloride	1.32	62	26971	0.989 ug/L	88
6) Bromomethane	1.53	94	8367	1.083 ug/L	93
8) Chloroethane	1.60	64	14868	0.949 ug/L	91
9) Trichlorofluoromethane	1.77	101	32909	1.006 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	20408	0.995 ug/L	99
12) 1,1-Dichloroethene	2.14	96	18698	0.962 ug/L	94
13) Acetone	2.20	43	30568	9.963 ug/L	100
14) Carbon disulfide	2.32	76	60653	0.963 ug/L	99
15) Methyl Acetate	2.47	43	9525	1.058 ug/L	99
16) Methylene chloride	2.54	84	24296	0.994 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	47900	0.999 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	20950	0.978 ug/L	95
19) 1,1-Dichloroethane	3.23	63	37330	0.987 ug/L	98
21) 2-Butanone	4.04	43	49408	9.614 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	21952	0.979 ug/L	99
23) Bromochloromethane	4.31	128	9012	0.987 ug/L	96
25) Chloroform	4.44	83	36053	0.989 ug/L	97
27) 1,2-Dichloroethane	5.19	62	21540	1.012 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	29414	0.986 ug/L	99
30) Cyclohexane	4.73	56	31397	0.942 ug/L	100
31) Carbon tetrachloride	4.88	117	24392	0.956 ug/L	99
33) Benzene	5.15	78	81906	0.976 ug/L	100
34) Trichloroethene	5.96	95	20893	0.984 ug/L	99
35) Methylcyclohexane	6.18	83	32461	0.916 ug/L	98
37) 1,2-Dichloropropane	6.23	63	20883	0.975 ug/L	100
38) Bromodichloromethane	6.56	83	22422	0.943 ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	25271	0.897 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	109848	9.490 ug/L	98

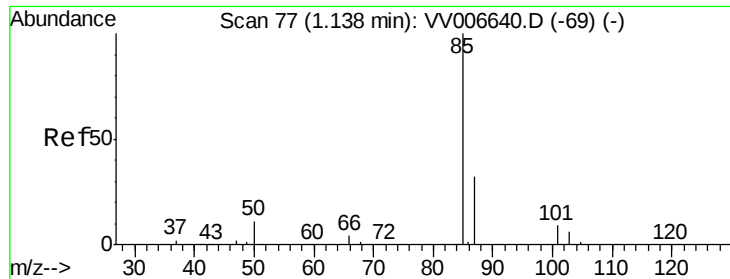
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	82309	0.949	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	18965	0.866	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	14192	0.985	ug/L	98
47) Tetrachloroethene	8.03	164	16661	0.977	ug/L	98
48) 2-Hexanone	8.19	43	77190	9.539	ug/L	95
49) Dibromochloromethane	8.30	129	13686	0.897	ug/L	94
50) 1,2-Dibromoethane	8.40	107	12340	0.953	ug/L	97
51) Chlorobenzene	8.93	112	54566	0.968	ug/L	98
52) Ethylbenzene	9.06	91	85131	0.914	ug/L	99
53) m,p-xylene	9.19	106	31940	0.902	ug/L	98
54) o-xylene	9.59	106	30749	0.890	ug/L	95
55) Styrene	9.61	104	50105	0.866	ug/L	100
56) Isopropylbenzene	9.98	105	80753	0.891	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	16895	0.978	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	12494	0.990	ug/L	97
61) Bromoform	9.78	173	7070	0.962	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	37007	0.956	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	38675	0.983	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	36554	0.985	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	2122	0.963	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	29055	0.971	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	21697	0.914	ug/L	99
69) Naphthalene	13.56	128	34399	0.837	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	20078	0.898	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.924 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

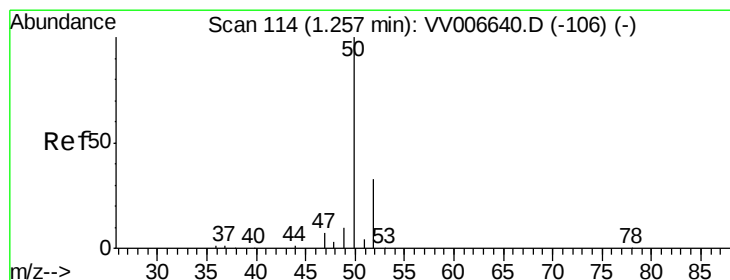
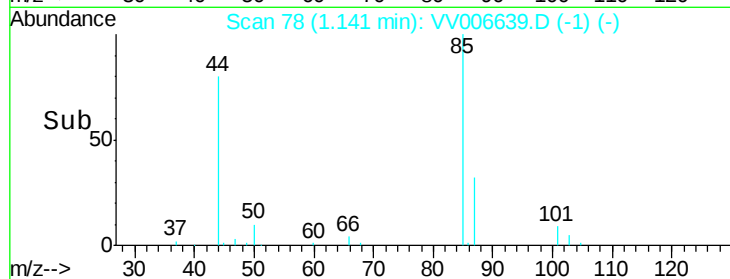
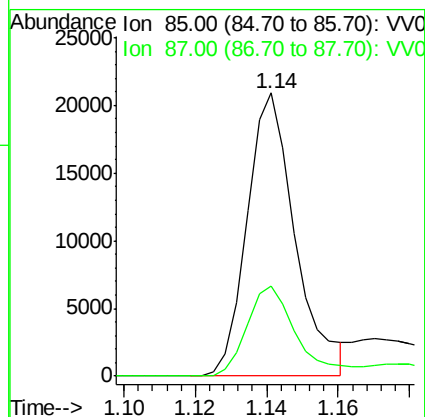
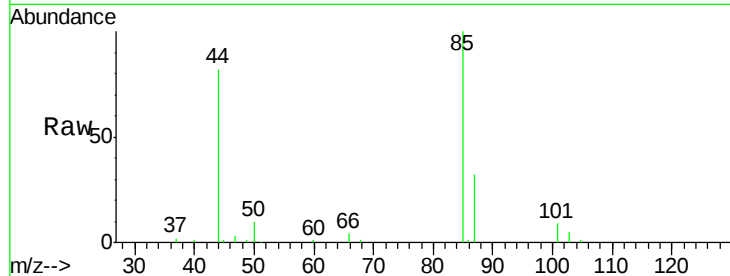
VSTD00165

Tgt Ion: 85 Resp: 19551

Ion Ratio Lower Upper

85 100

87 32.5 19.4 29.2#



#3

Chloromethane

Concen: 0.962 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006639.D

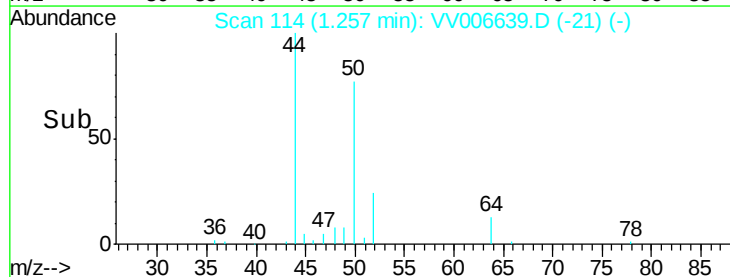
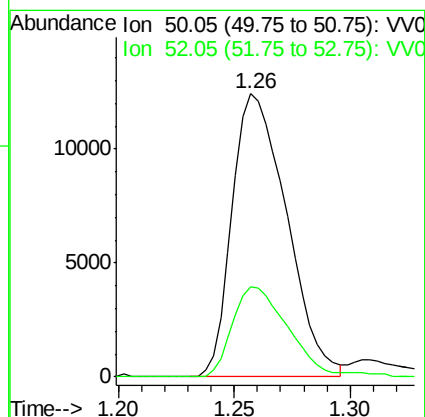
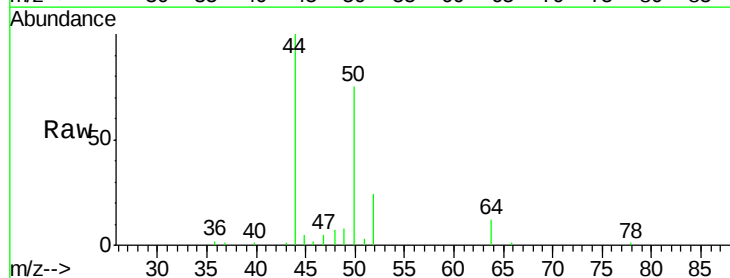
Acq: 19 Jul 2018 13:03

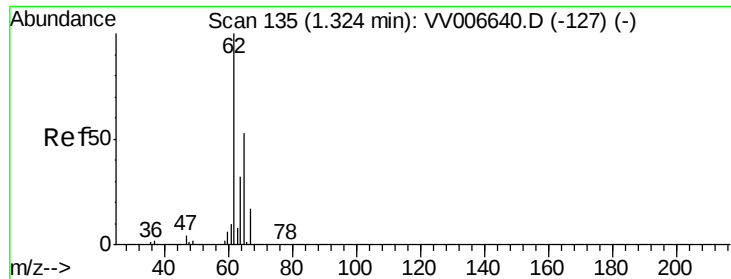
Tgt Ion: 50 Resp: 20305

Ion Ratio Lower Upper

50 100

52 31.8 23.2 43.0





#5

Vinyl chloride

Concen: 0.989 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

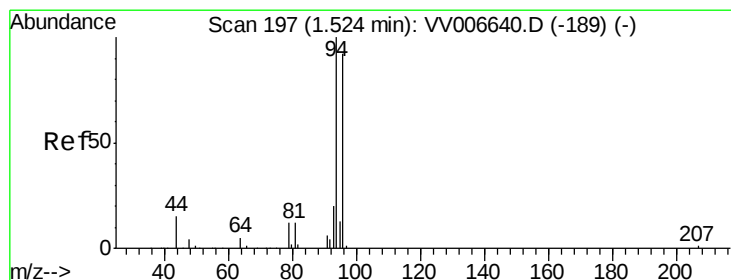
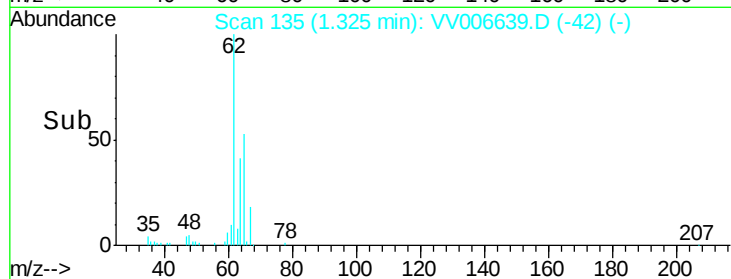
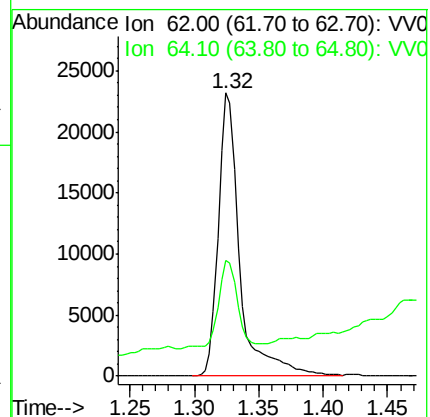
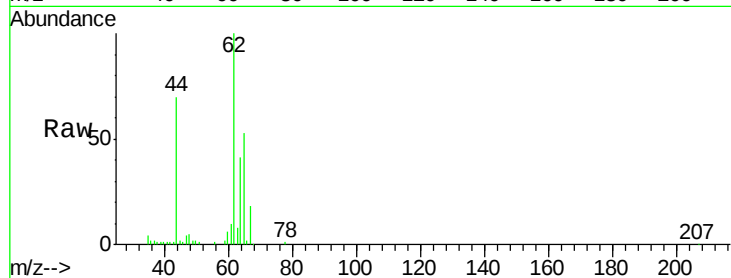
VSTD00165

Tgt Ion: 62 Resp: 26971

Ion Ratio Lower Upper

62 100

64 40.7 23.7 44.1



#6

Bromomethane

Concen: 1.083 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.01 min

Lab File: VV006639.D

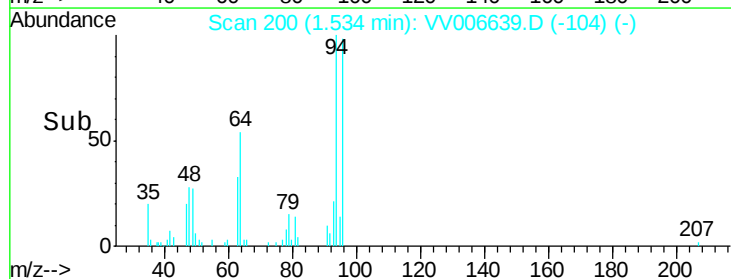
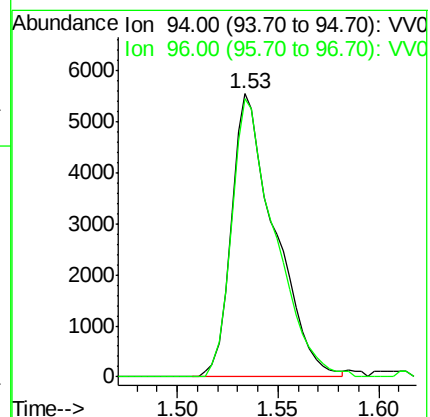
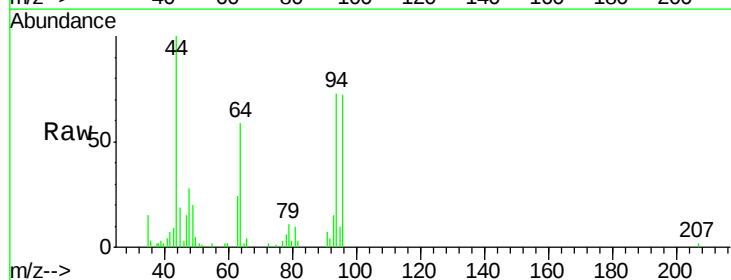
Acq: 19 Jul 2018 13:03

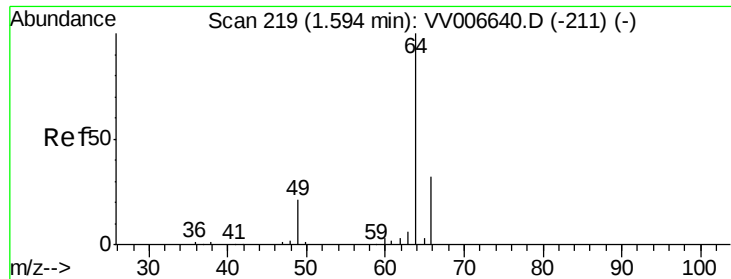
Tgt Ion: 94 Resp: 8367

Ion Ratio Lower Upper

94 100

96 98.4 64.5 119.7





#8

Chloroethane

Concen: 0.949 ug/L

RT: 1.60 min Scan# 220

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

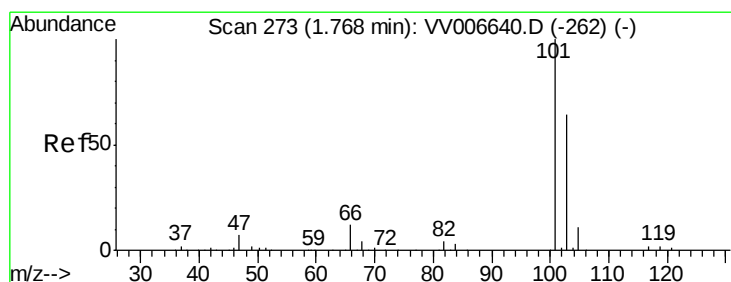
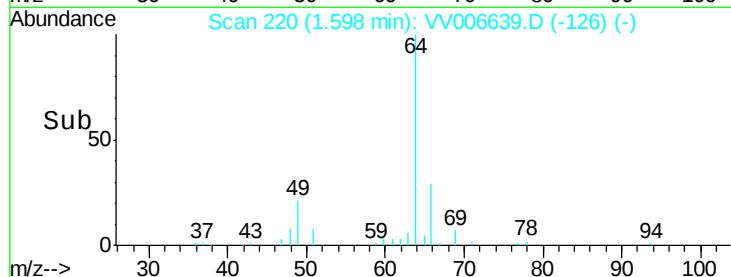
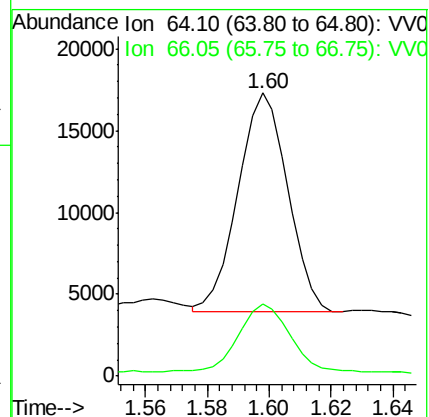
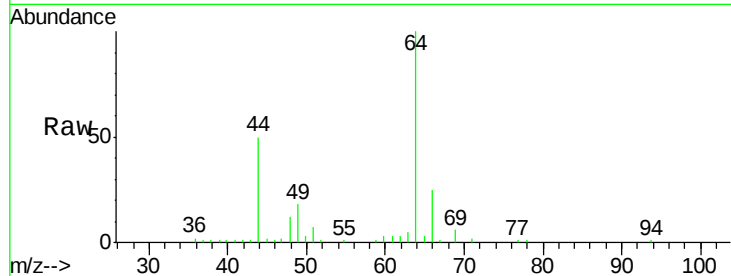
VSTD00165

Tgt Ion: 64 Resp: 14868

Ion Ratio Lower Upper

64 100

66 25.3 21.1 39.3



#9

Trichlorofluoromethane

Concen: 1.006 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006639.D

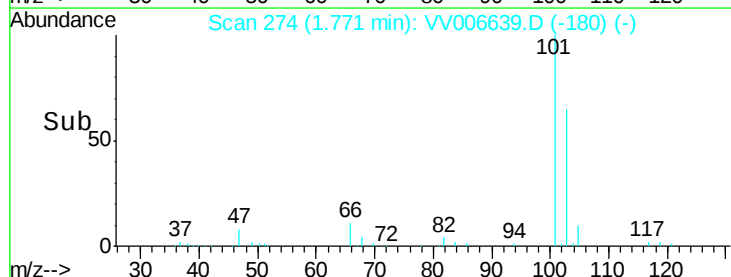
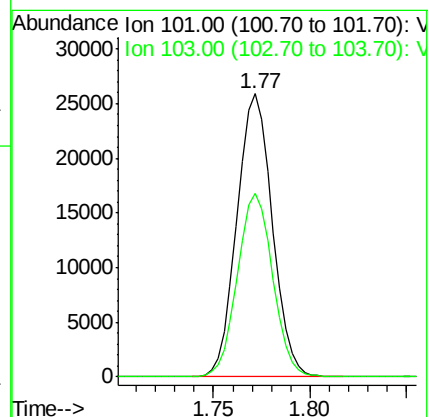
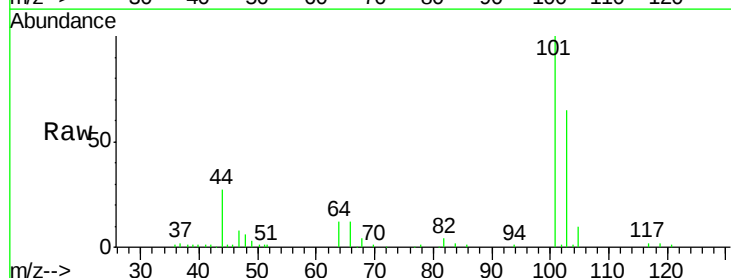
Acq: 19 Jul 2018 13:03

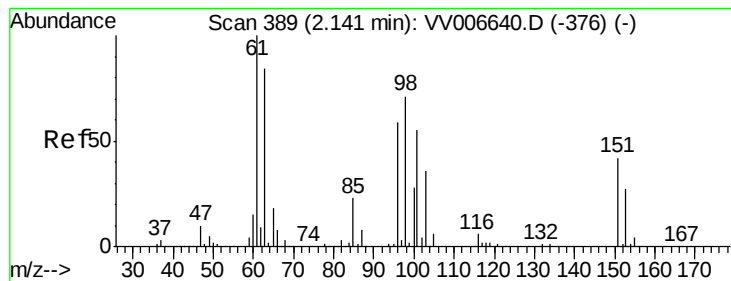
Tgt Ion: 101 Resp: 32909

Ion Ratio Lower Upper

101 100

103 64.8 51.1 76.7





#10

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

Concen: 0.995 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

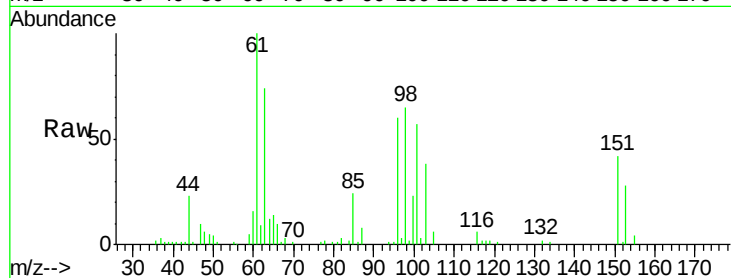
Tgt Ion:101 Resp: 20408

Ion Ratio Lower Upper

101 100

85 42.2 33.7 50.5

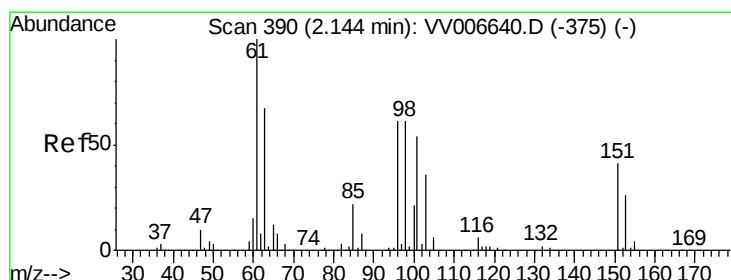
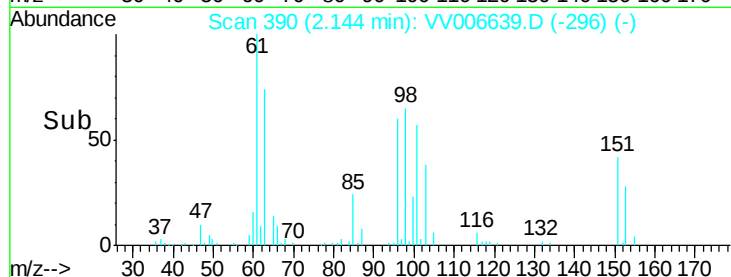
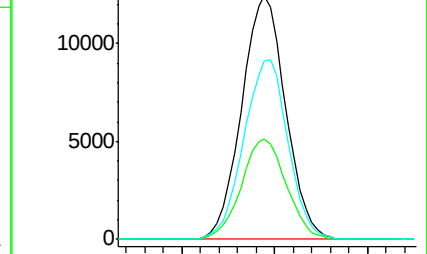
151 74.4 61.0 91.6



Abundance Ion 101.00 (100.70 to 101.70): VV006639.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006639.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006639.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 0.962 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

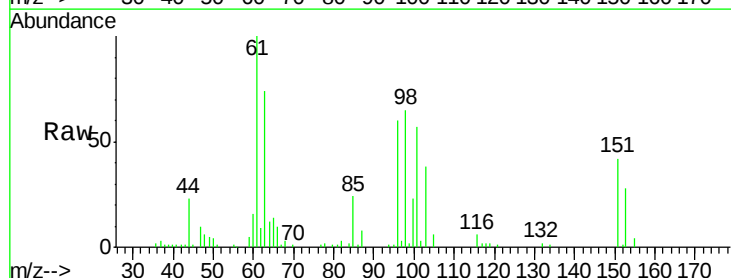
Tgt Ion: 96 Resp: 18698

Ion Ratio Lower Upper

96 100

61 166.9 115.1 213.8

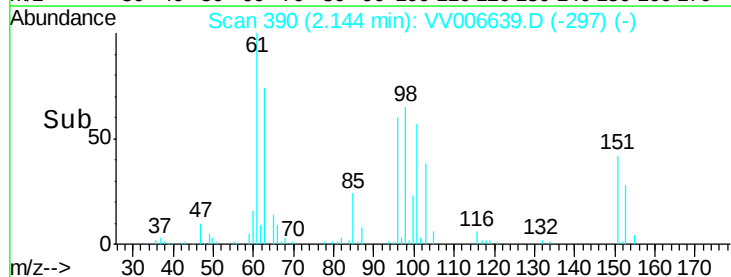
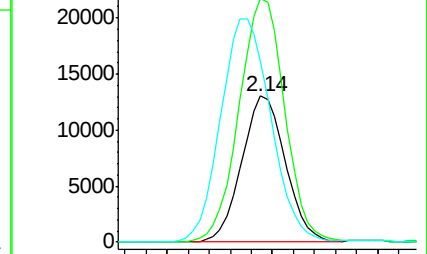
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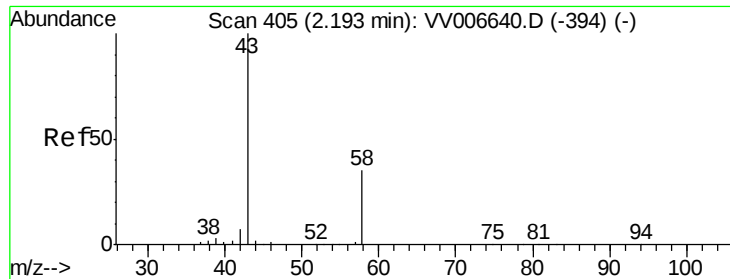


Abundance Ion 96.00 (95.70 to 96.70): VV006639.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006639.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006639.D (-297) (-)





#13

Acetone

Concen: 9.963 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

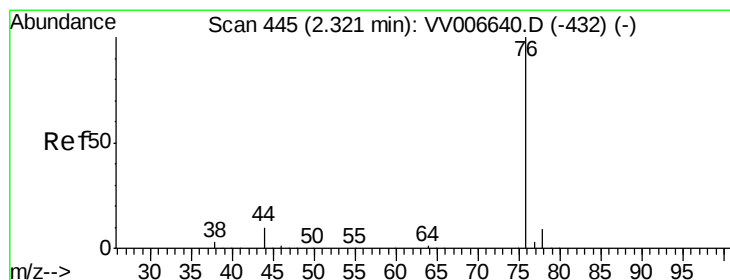
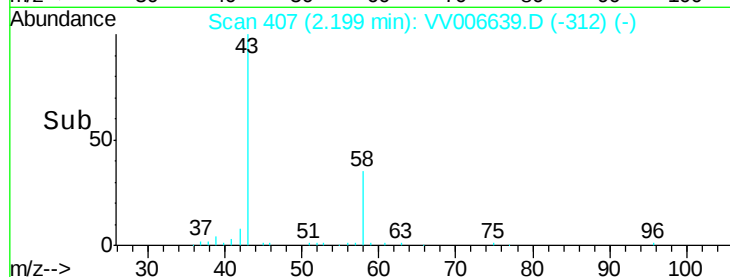
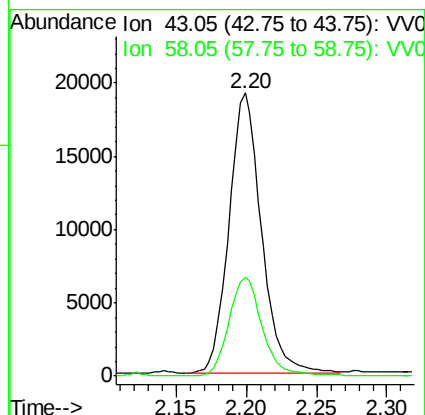
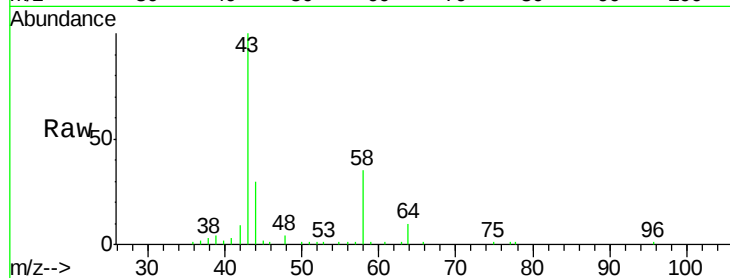
VSTD00165

Tgt Ion: 43 Resp: 30568

Ion Ratio Lower Upper

43 100

58 36.4 0.0 72.8



#14

Carbon disulfide

Concen: 0.963 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006639.D

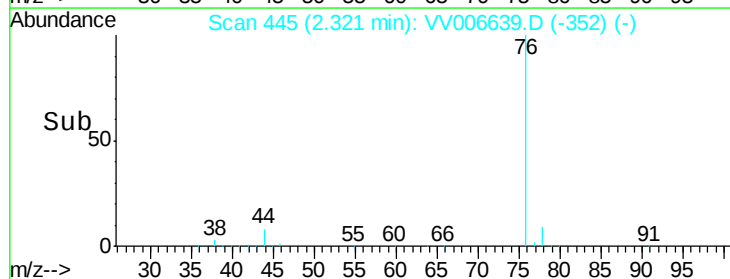
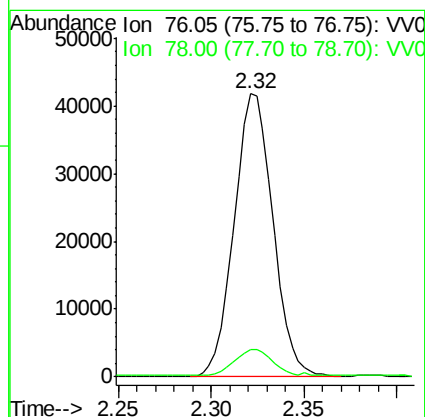
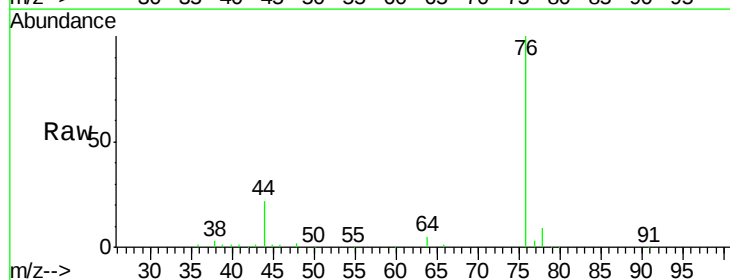
Acq: 19 Jul 2018 13:03

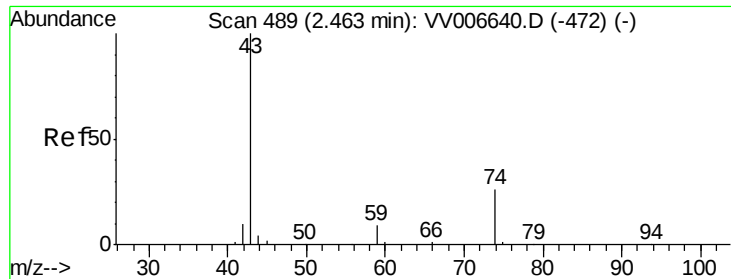
Tgt Ion: 76 Resp: 60653

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 1.058 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

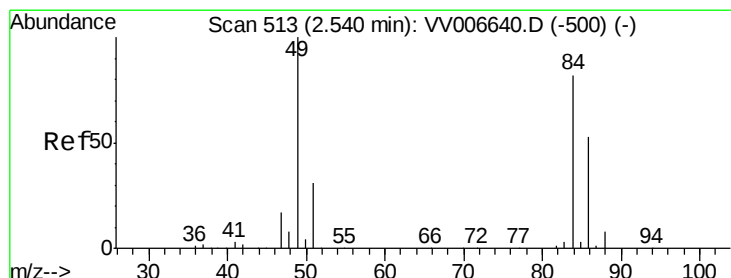
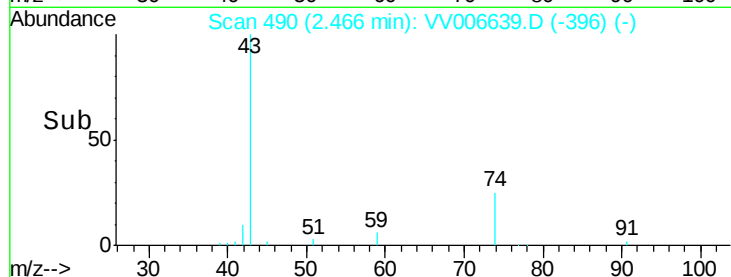
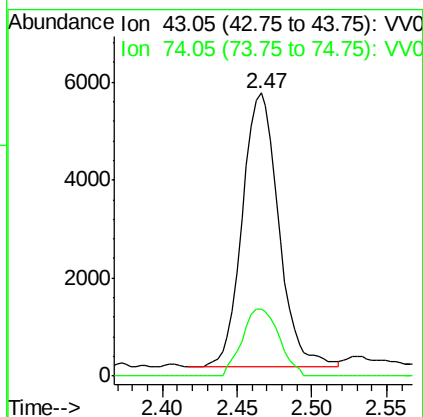
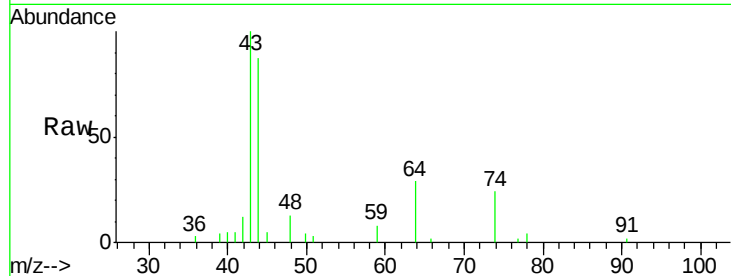
VSTD00165

Tgt Ion: 43 Resp: 9525

Ion Ratio Lower Upper

43 100

74 24.7 20.3 30.5



#16

Methylene chloride

Concen: 0.994 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

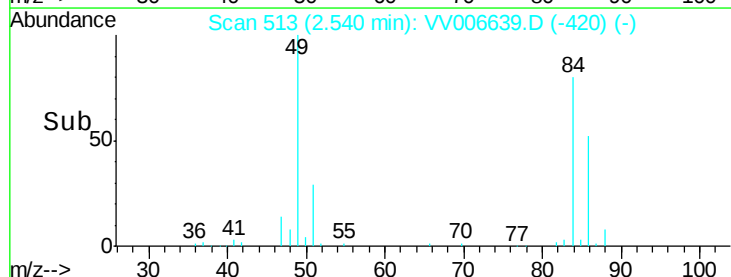
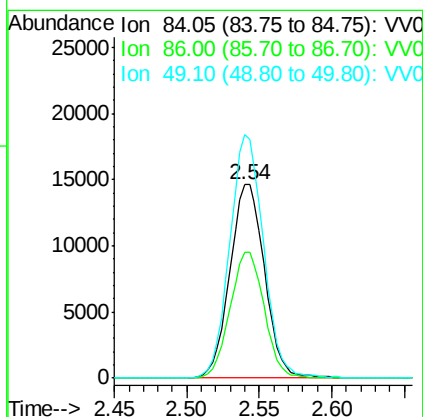
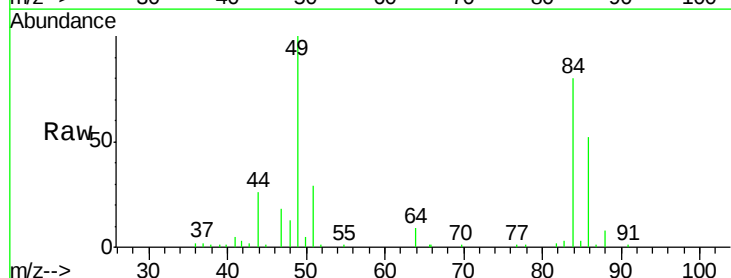
Tgt Ion: 84 Resp: 24296

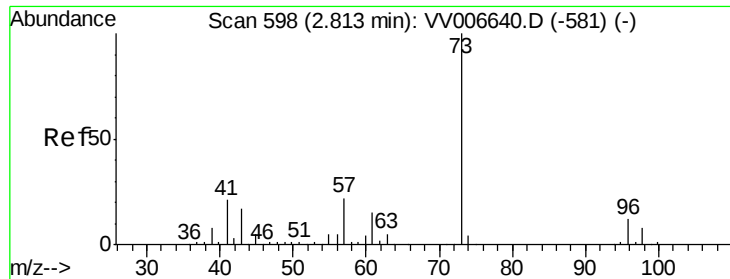
Ion Ratio Lower Upper

84 100

86 65.0 45.4 84.2

49 125.8 85.1 158.1

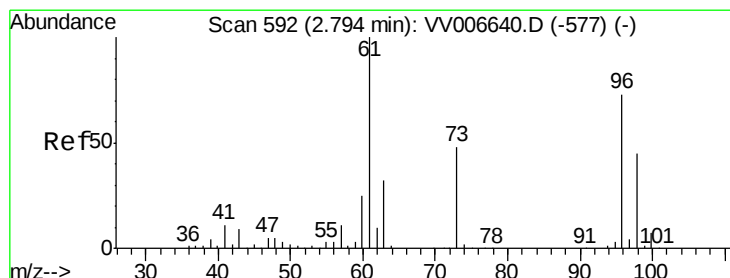
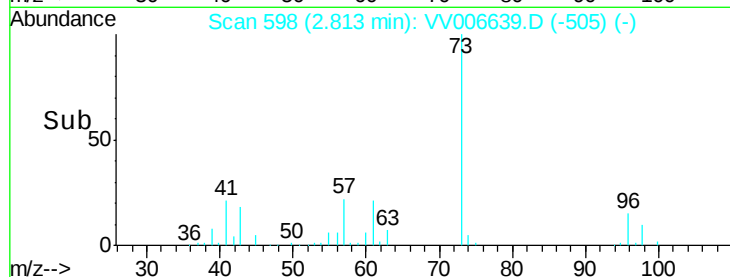
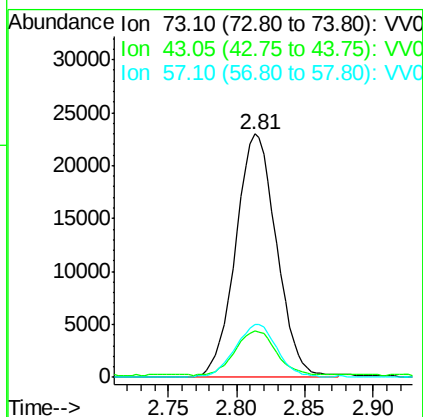
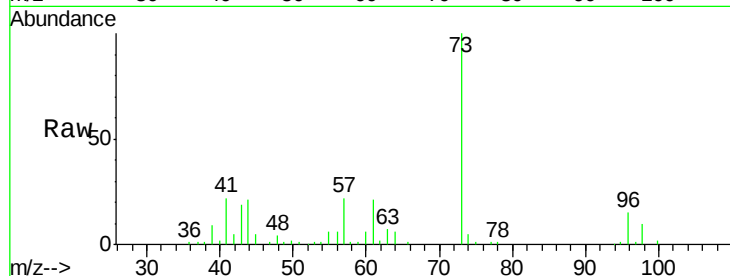




#17
Methyl tert-butyl Ether
Concen: 0.999 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

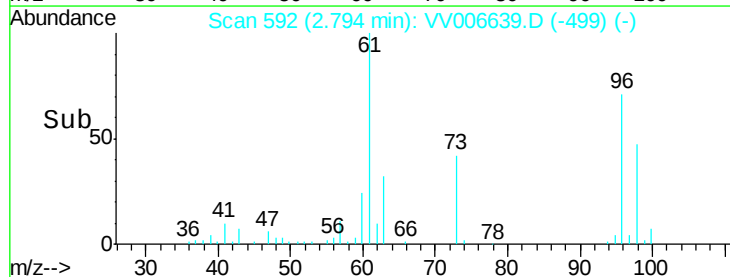
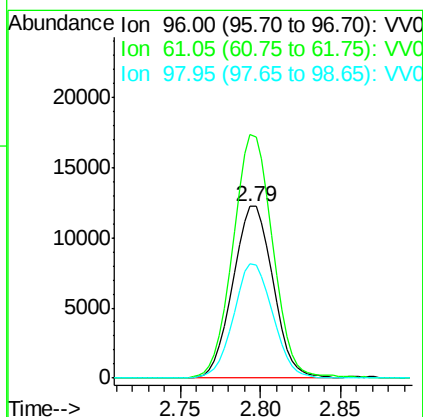
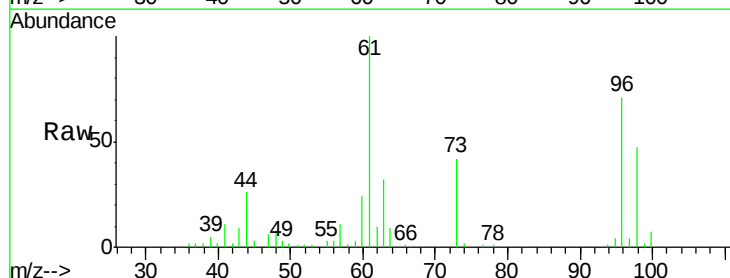
Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

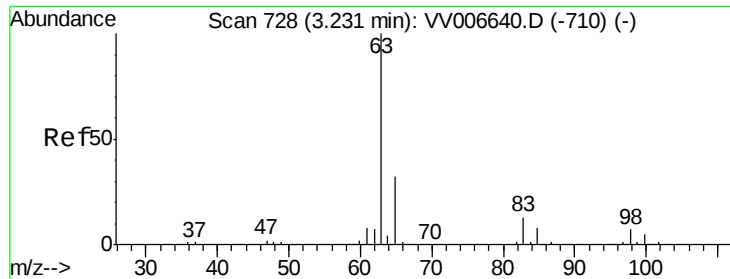
Tgt Ion: 73 Resp: 47900
Ion Ratio Lower Upper
73 100
43 17.9 13.9 20.9
57 22.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 0.978 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Tgt Ion: 96 Resp: 20950
Ion Ratio Lower Upper
96 100
61 141.8 96.0 178.4
98 66.9 43.5 80.9

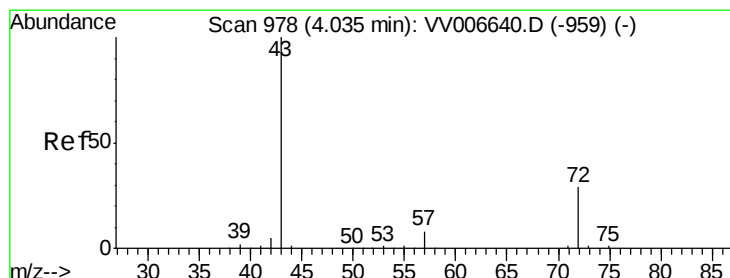
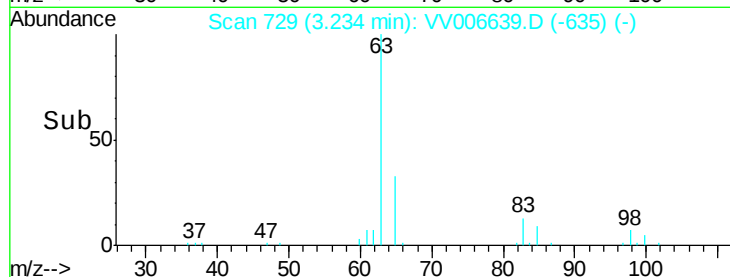
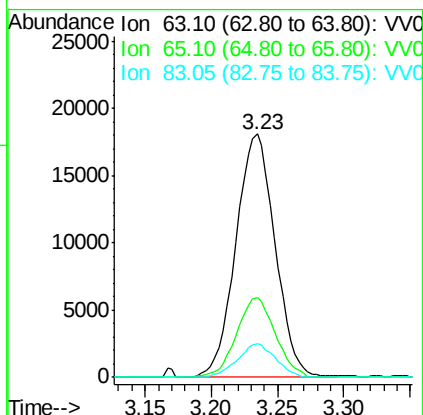
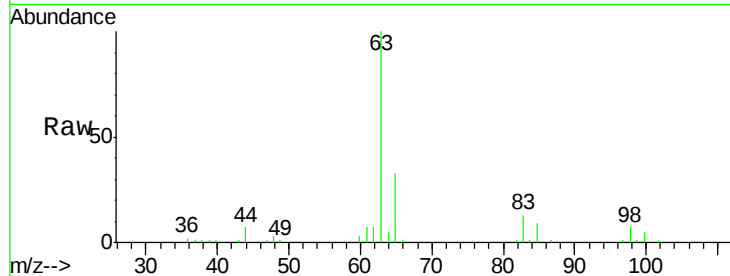




#19
 1,1-Dichloroethane
 Concen: 0.987 ug/L
 RT: 3.23 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

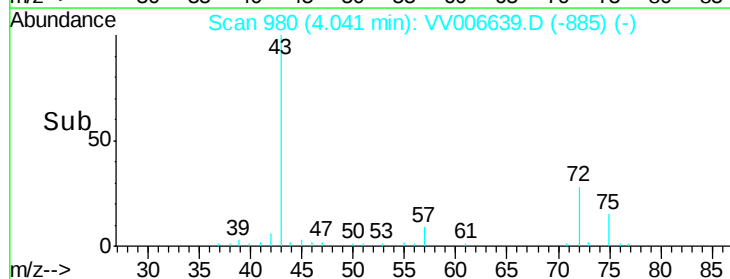
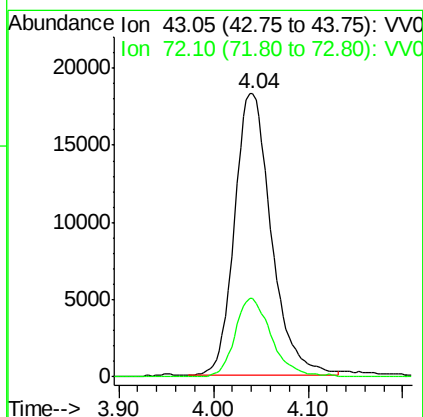
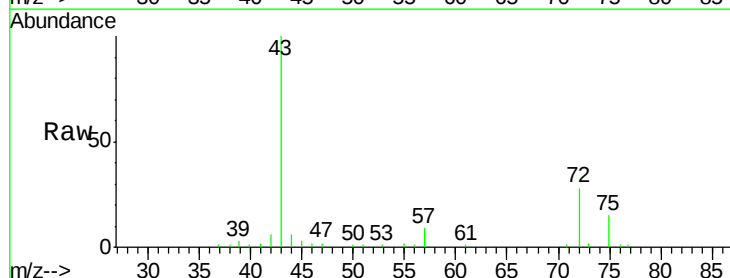
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

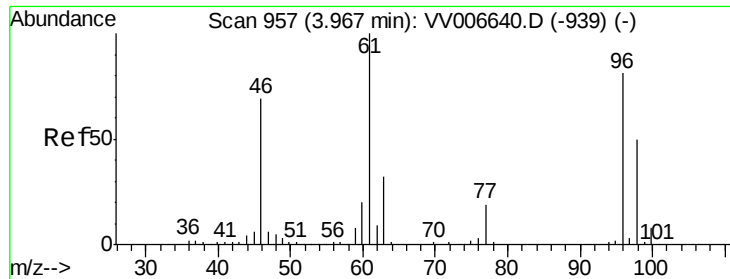
Tgt Ion: 63 Resp: 37330
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.1 41.1
 83 13.9 9.2 17.0



#21
 2-Butanone
 Concen: 9.614 ug/L
 RT: 4.04 min Scan# 980
 Delta R.T. 0.01 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

Tgt Ion: 43 Resp: 49408
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.9 41.6



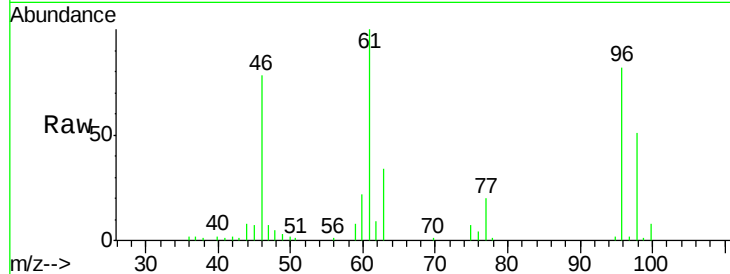


#22

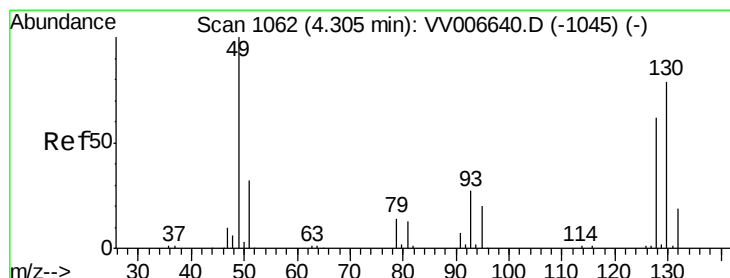
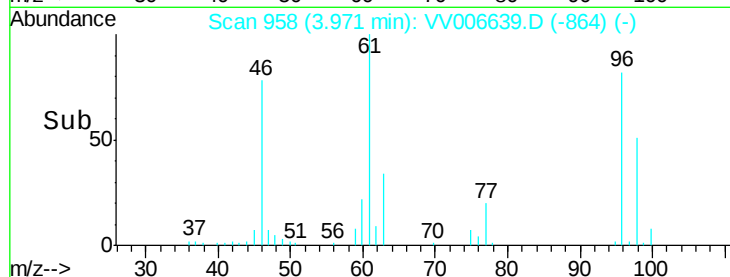
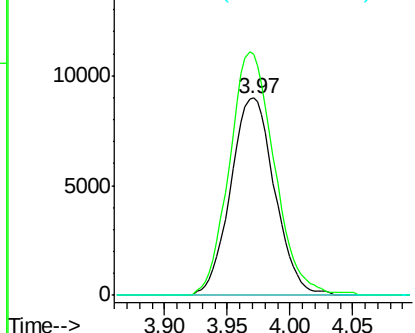
cis-1,2-Dichloroethene
Concen: 0.979 ug/L
RT: 3.97 min Scan# 958
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

Tgt Ion: 96 Resp: 21952
Ion Ratio Lower Upper
96 100
61 122.0 86.2 160.0
68 0.0 0.0 0.0



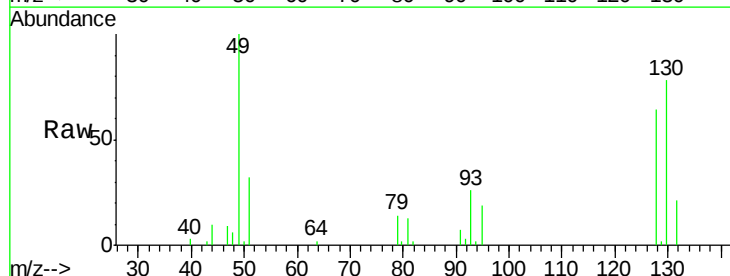
Abundance Ion 96.00 (95.70 to 96.70): VV006639.D (-864) (-)
Ion 61.05 (60.75 to 61.75): VV006639.D (-864) (-)
Ion 68.15 (67.85 to 68.85): VV006639.D (-864) (-)



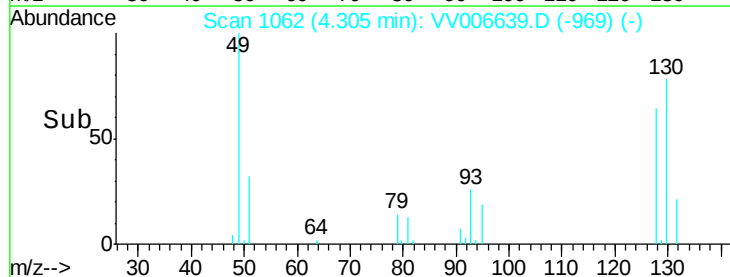
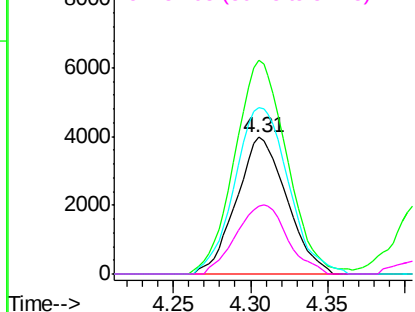
#23

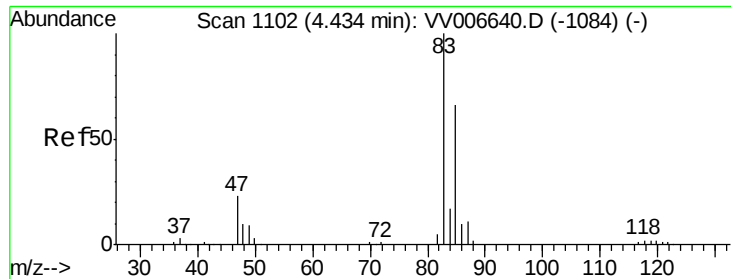
Bromochloromethane
Concen: 0.987 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Tgt Ion: 128 Resp: 9012
Ion Ratio Lower Upper
128 100
49 156.3 113.0 209.8
130 122.0 89.3 165.9
51 49.9 40.9 61.3



Abundance Ion 127.90 (127.60 to 128.60): VV006639.D (-969) (-)
Ion 49.10 (48.80 to 49.80): VV006639.D (-969) (-)
Ion 129.95 (129.65 to 130.65): VV006639.D (-969) (-)
Ion 51.05 (50.75 to 51.75): VV006639.D (-969) (-)

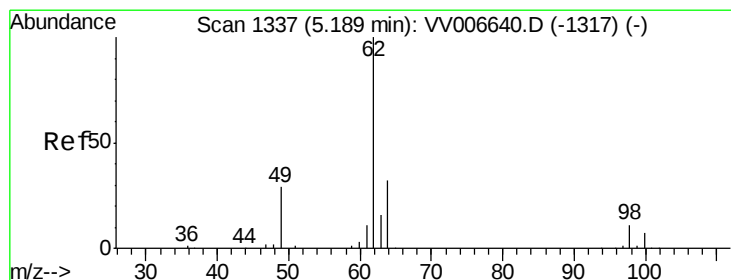
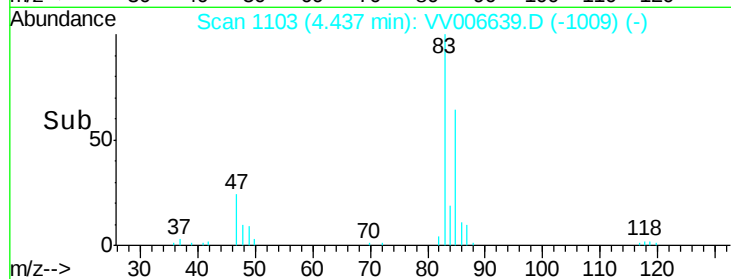
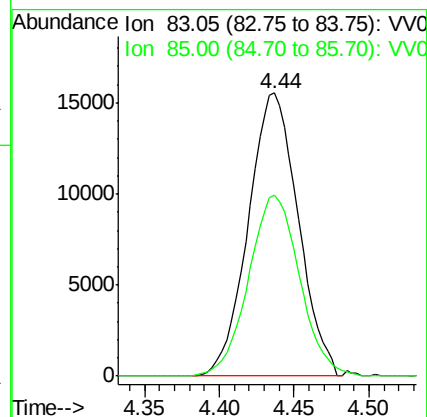
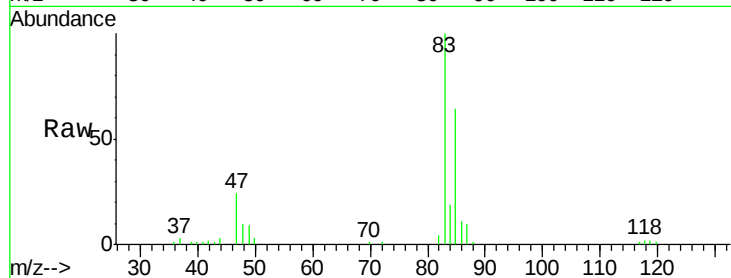




#25
Chloroform
Concen: 0.989 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

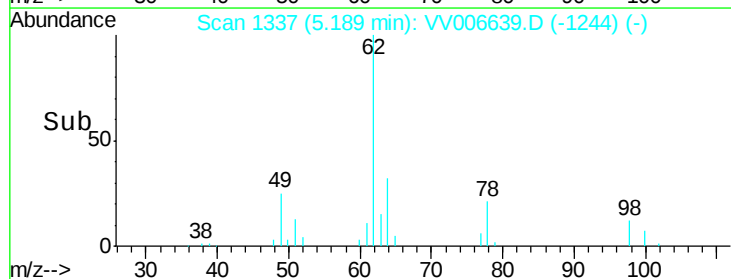
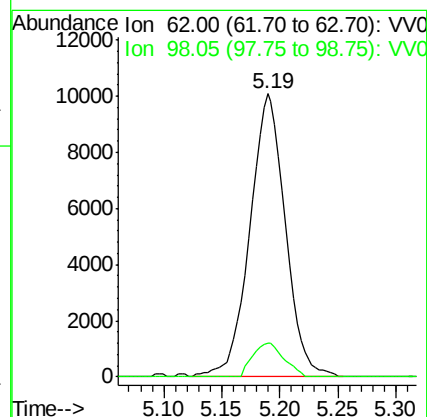
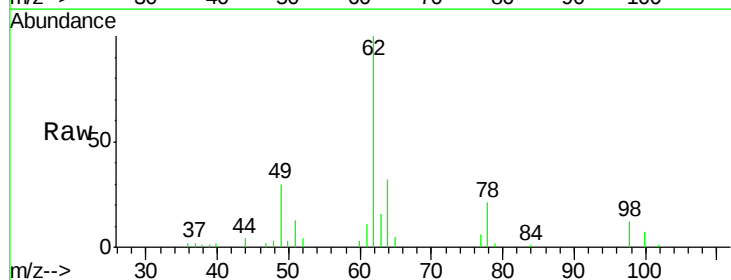
Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

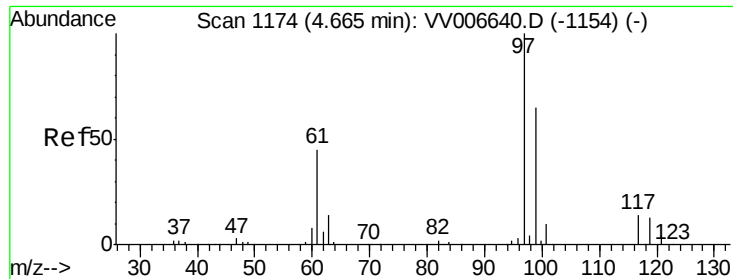
Tgt Ion: 83 Resp: 36053
Ion Ratio Lower Upper
83 100
85 63.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 1.012 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Tgt Ion: 62 Resp: 21540
Ion Ratio Lower Upper
62 100
98 11.9 8.4 12.6

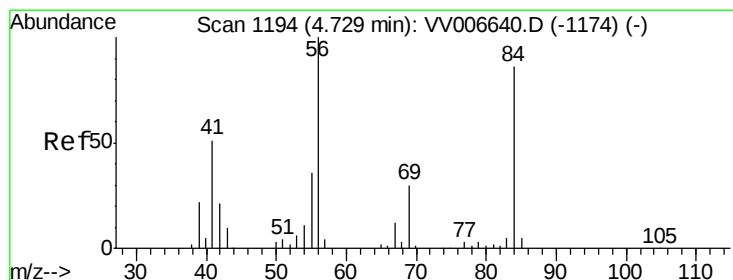
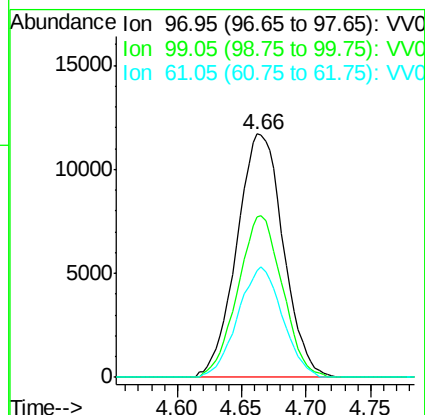
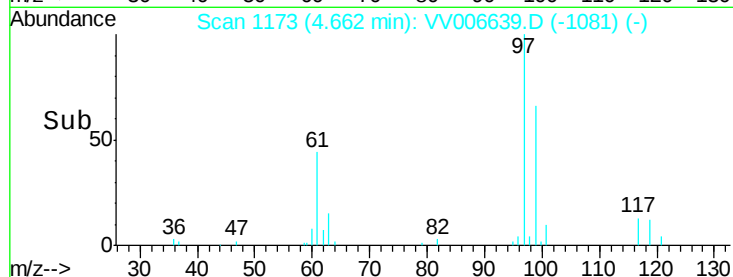
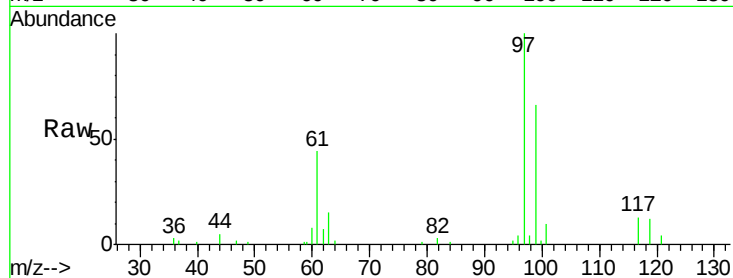




#29
1,1,1-Trichloroethane
Concen: 0.986 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

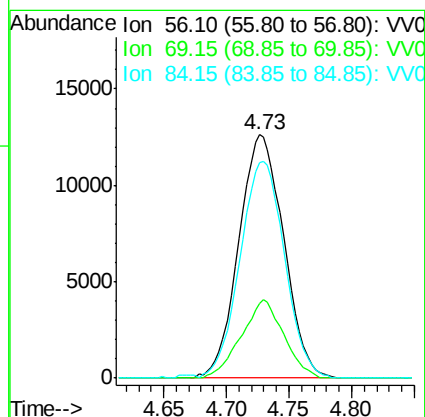
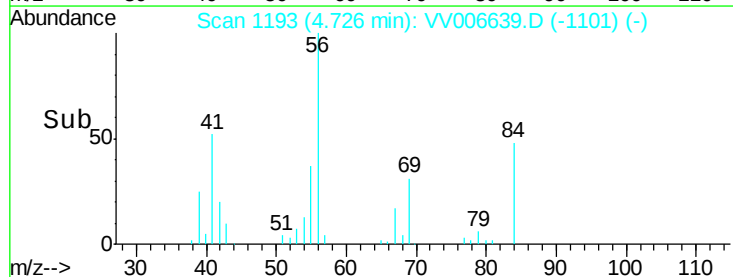
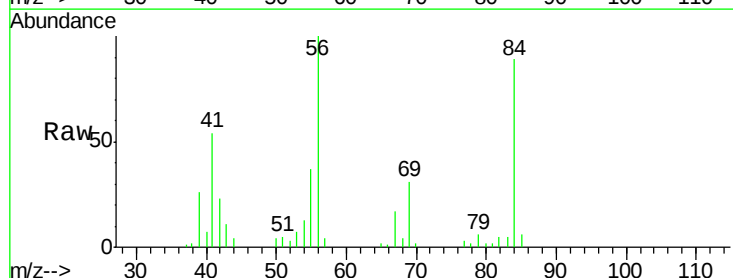
Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

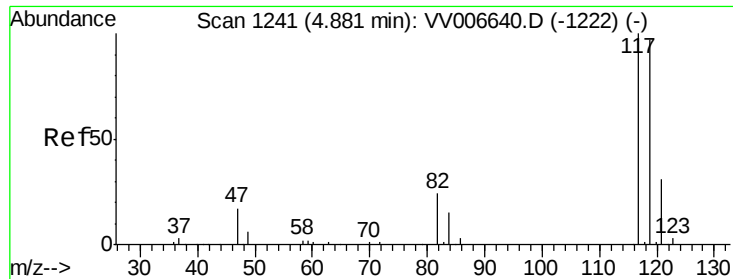
Tgt Ion: 97 Resp: 29414
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 43.2 35.4 53.2



#30
Cyclohexane
Concen: 0.942 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Tgt Ion: 56 Resp: 31397
Ion Ratio Lower Upper
56 100
69 30.5 24.0 36.0
84 88.5 71.0 106.6





#31

Carbon tetrachloride

Concen: 0.956 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

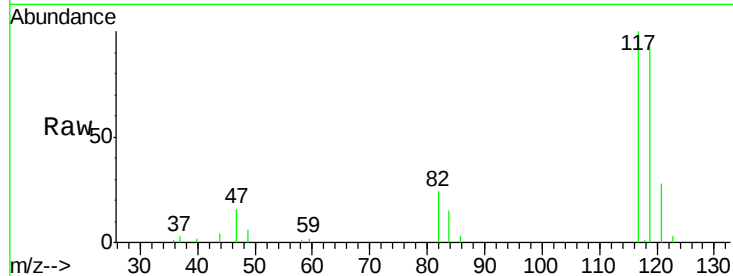
VSTD00165

Tgt Ion:117 Resp: 24392

Ion Ratio Lower Upper

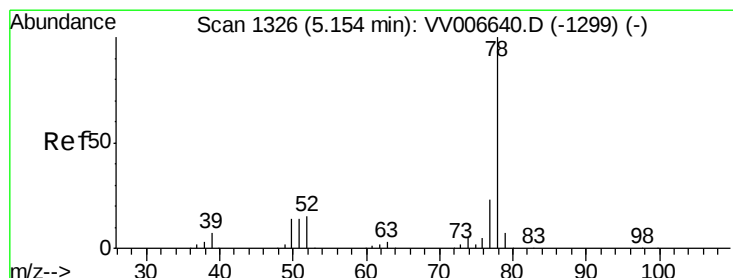
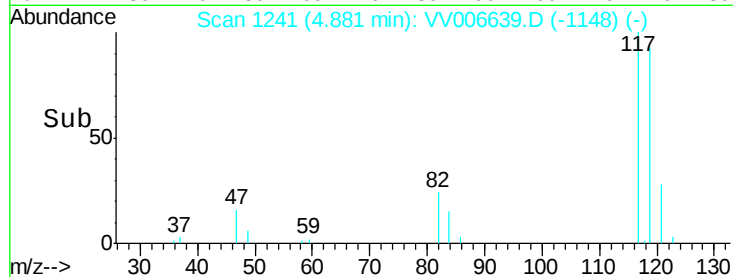
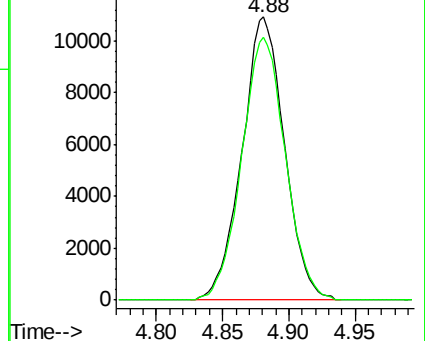
117 100

119 95.4 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: 0.976 ug/L

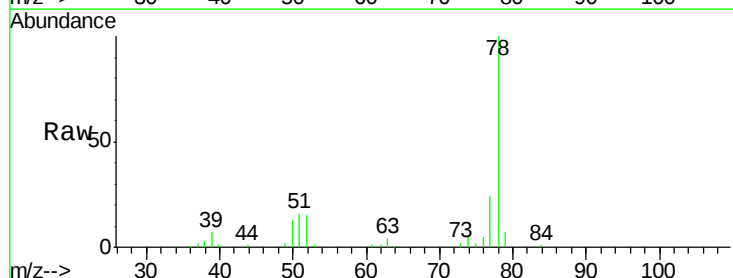
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

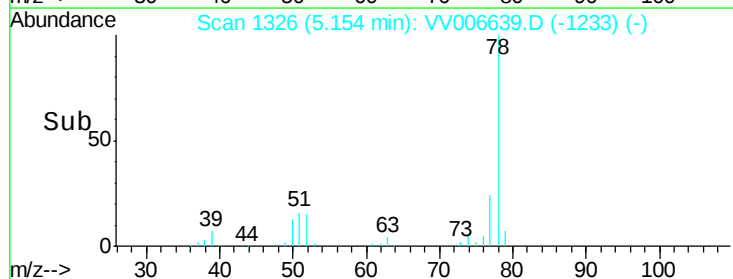
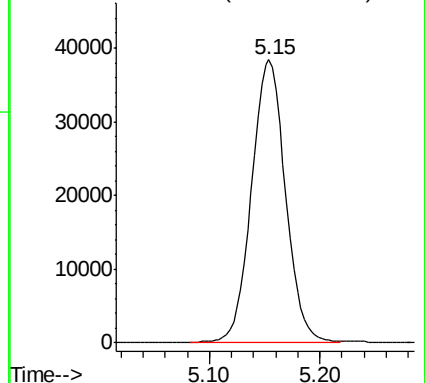
Lab File: VV006639.D

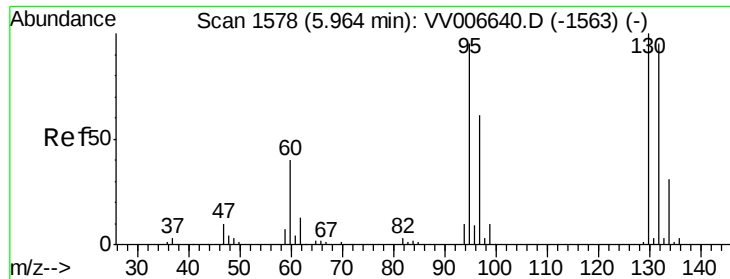
Acq: 19 Jul 2018 13:03

Tgt Ion: 78 Resp: 81906



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.984 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

Tgt Ion: 95 Resp: 20893

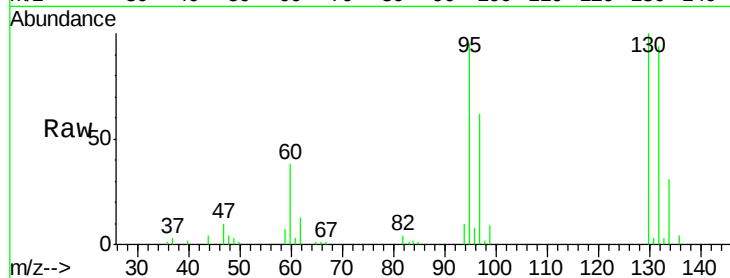
Ion Ratio Lower Upper

95 100

97 65.4 45.3 84.1

132 98.5 70.3 130.7

130 104.8 73.7 136.9

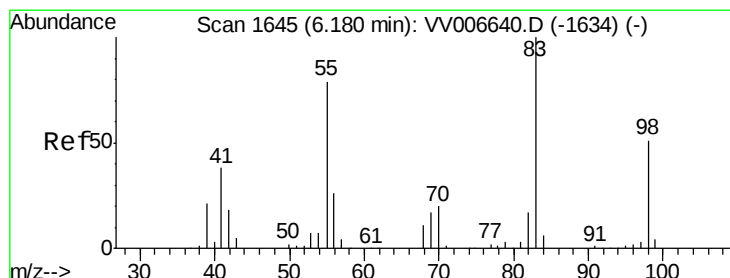
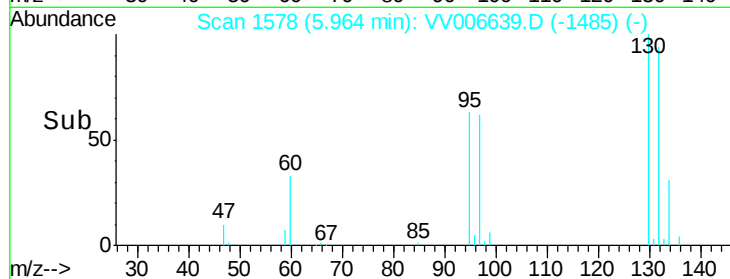
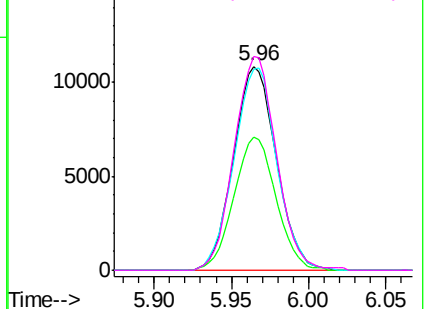


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.916 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

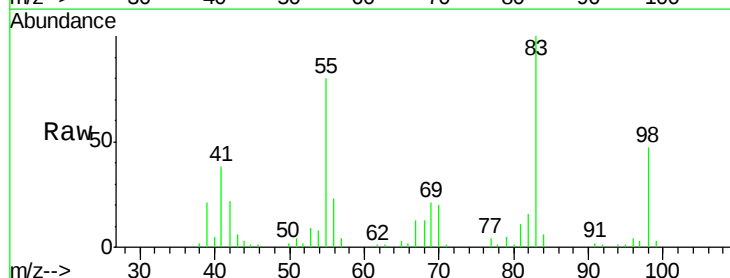
Tgt Ion: 83 Resp: 32461

Ion Ratio Lower Upper

83 100

55 79.0 61.3 91.9

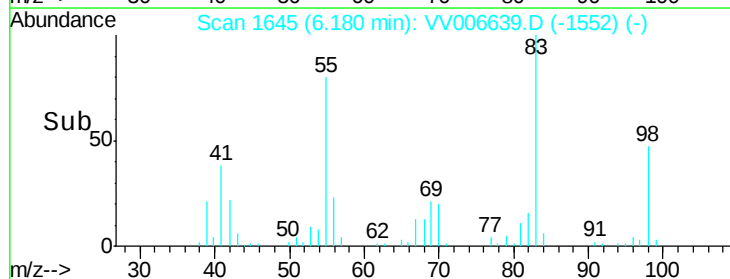
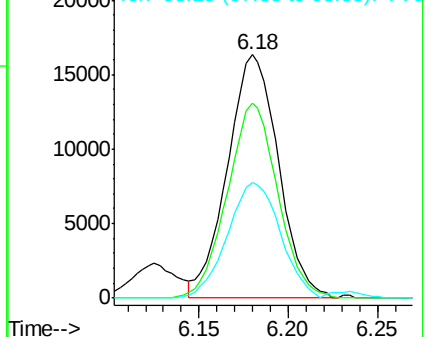
98 49.3 39.4 59.0

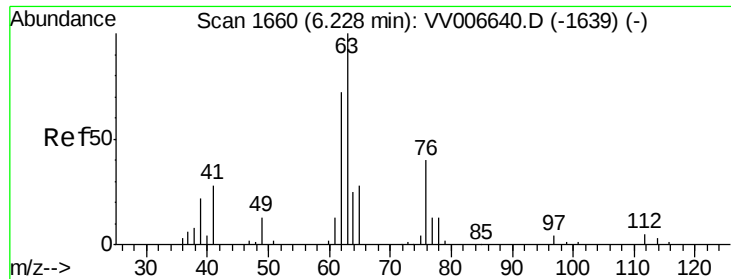


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.975 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

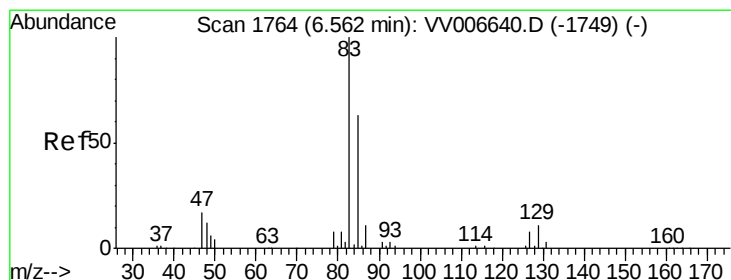
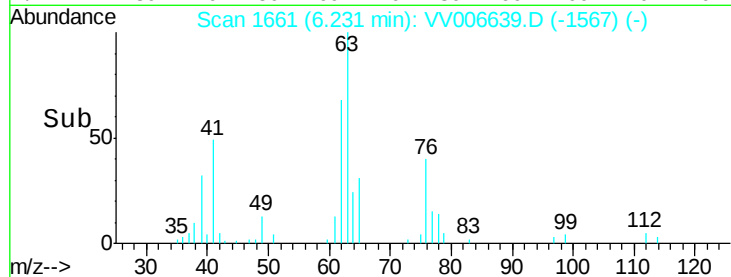
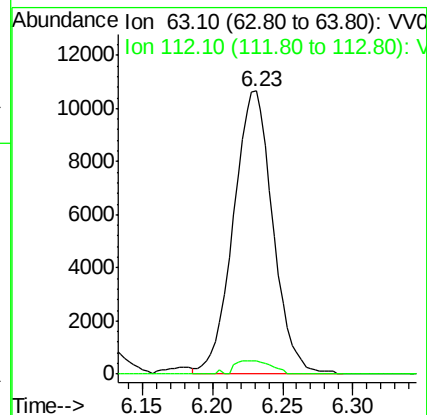
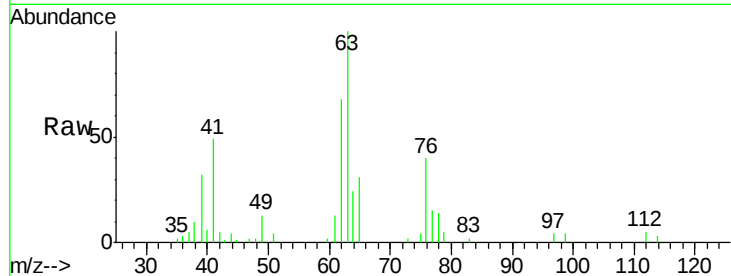
VSTD00165

Tgt Ion: 63 Resp: 20883

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 0.943 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

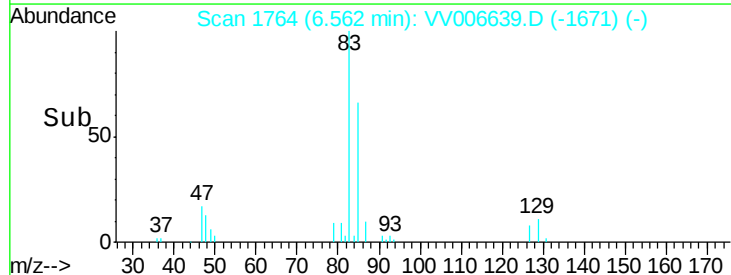
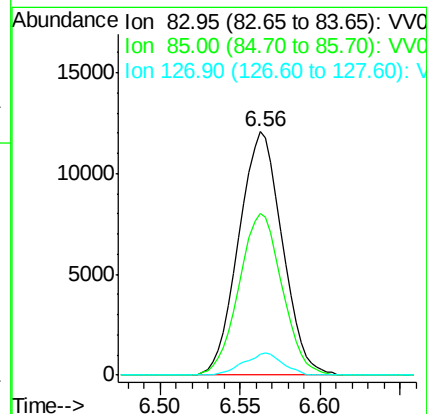
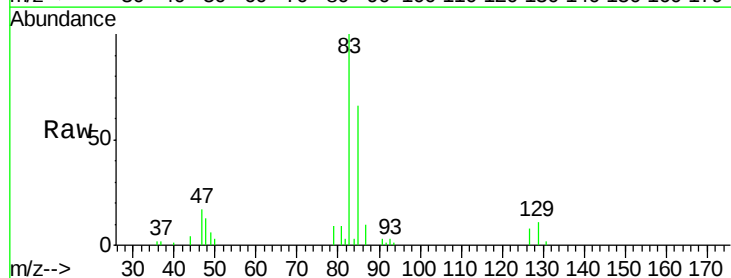
Tgt Ion: 83 Resp: 22422

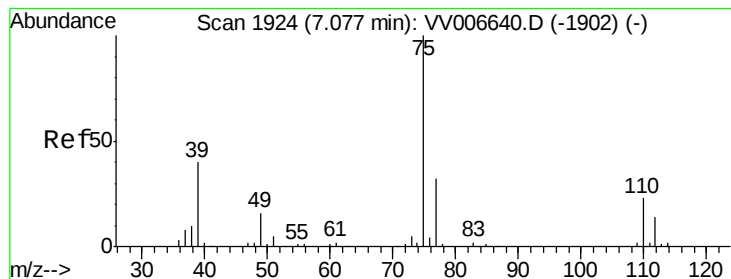
Ion Ratio Lower Upper

83 100

85 66.4 44.3 82.3

127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 0.897 ug/L

RT: 7.08 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

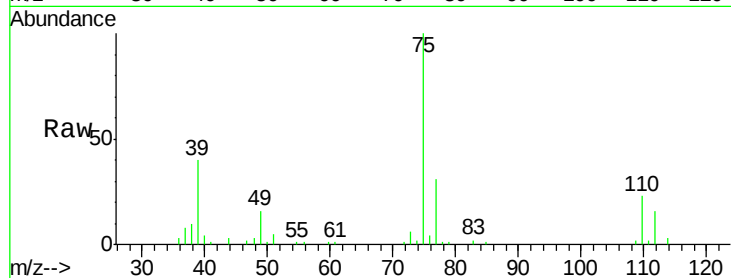
VSTD00165

Tgt Ion: 75 Resp: 25271

Ion Ratio Lower Upper

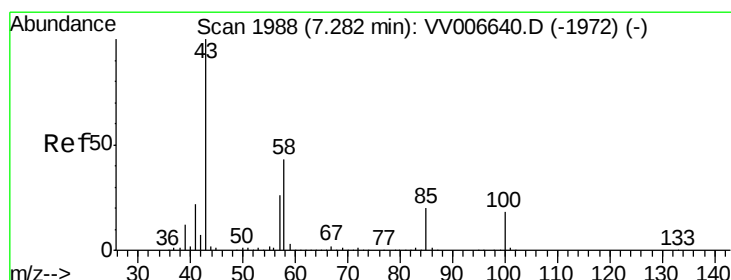
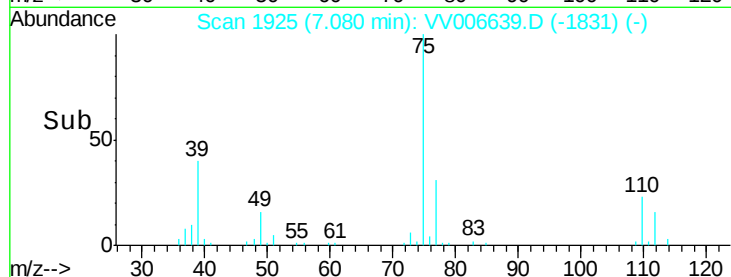
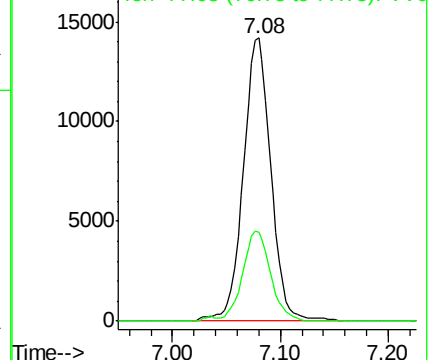
75 100

77 31.5 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 9.490 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

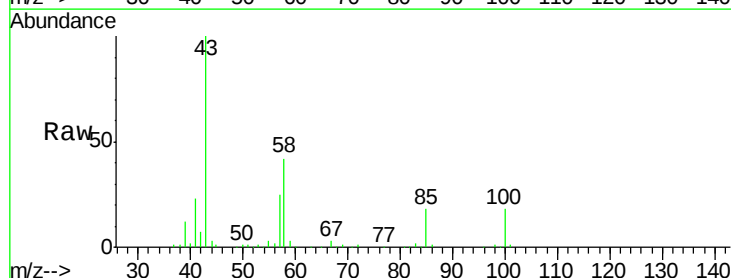
Tgt Ion: 43 Resp: 109848

Ion Ratio Lower Upper

43 100

58 40.7 33.6 50.4

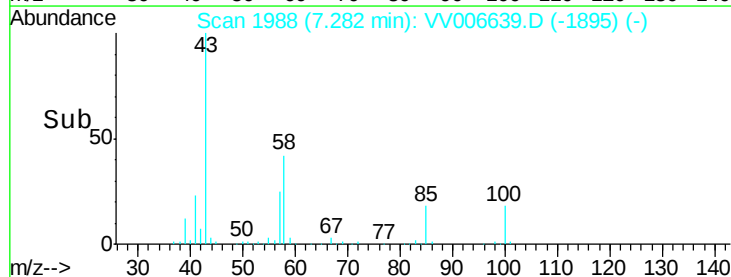
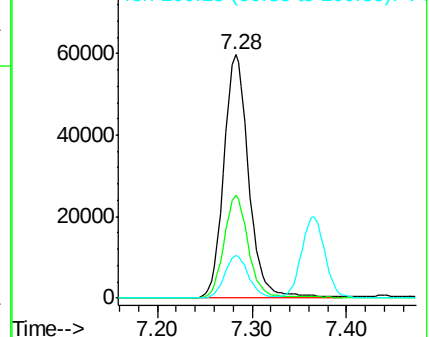
100 16.9 13.8 20.8

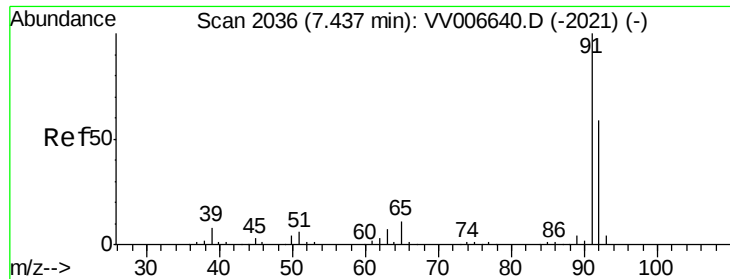


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.949 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

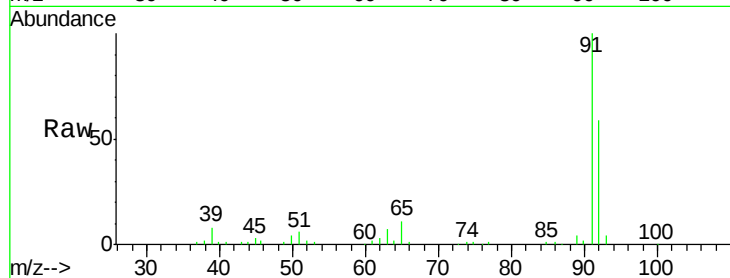
VSTD00165

Tgt Ion: 91 Resp: 82309

Ion Ratio Lower Upper

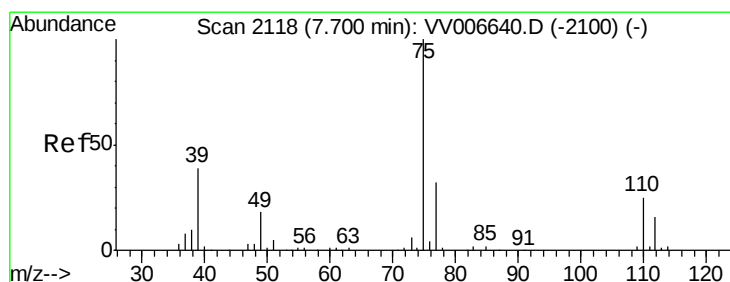
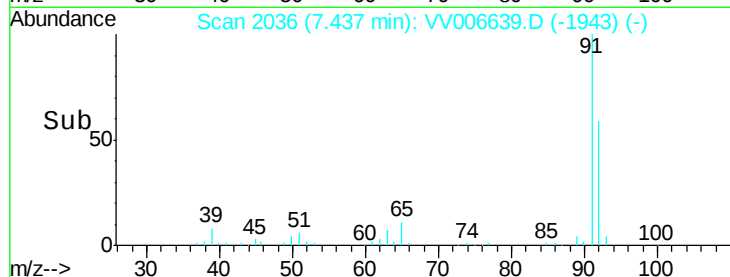
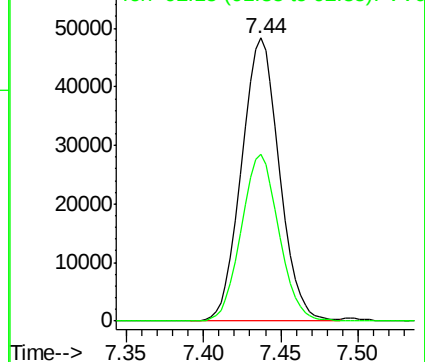
91 100

92 58.9 41.4 76.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.866 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006639.D

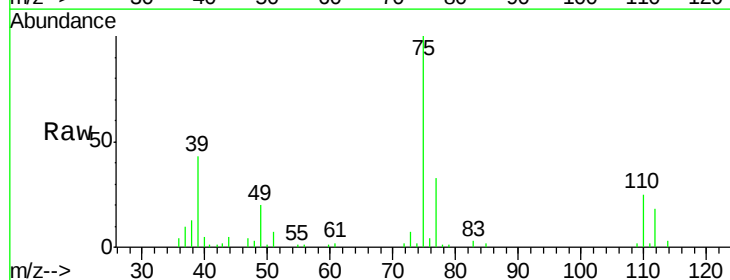
Acq: 19 Jul 2018 13:03

Tgt Ion: 75 Resp: 18965

Ion Ratio Lower Upper

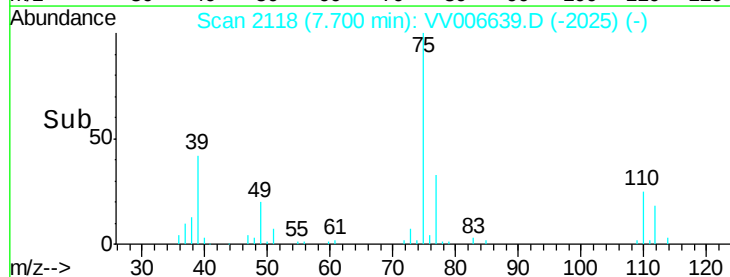
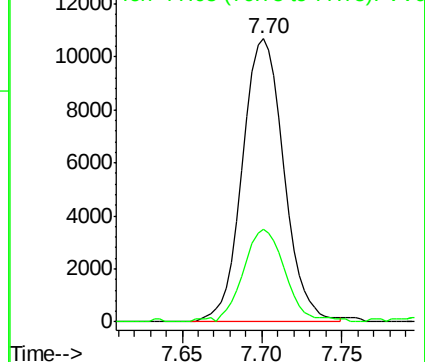
75 100

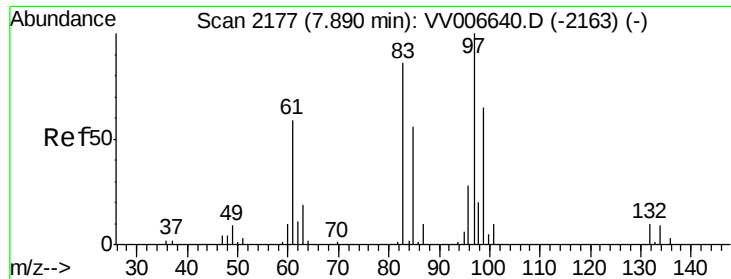
77 32.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

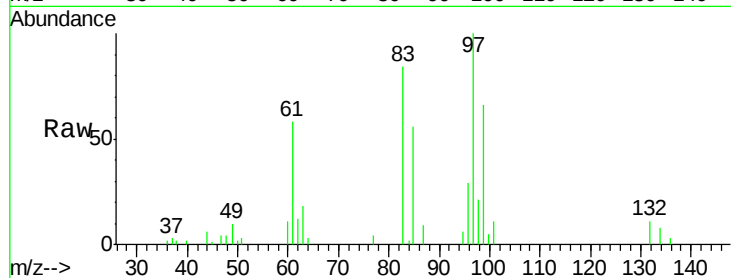




#45
 1,1,2-Trichloroethane
 Concen: 0.985 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Tgt Ion:	97	Resp:	14192
Ion	Ratio	Lower	Upper
97	100		
99	65.7	45.2	84.0
83	83.8	60.5	112.3
85	56.5	39.0	72.4

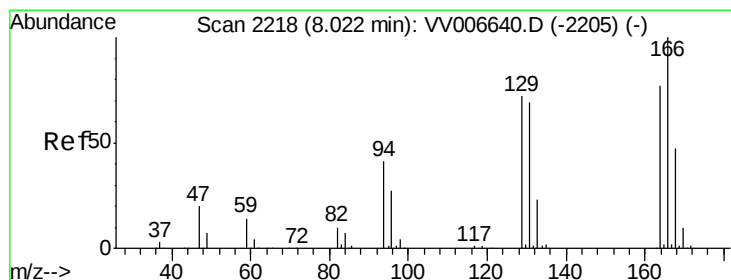
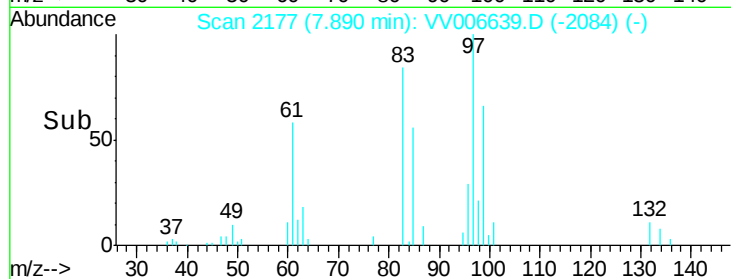
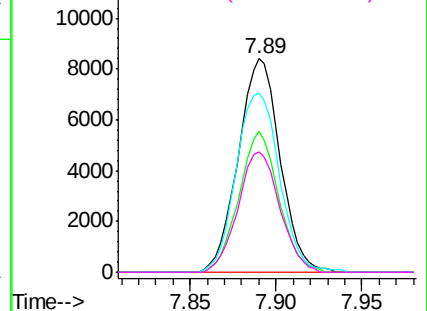


Abundance Ion 96.95 (96.65 to 97.65): VV006639.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006639.D (-2084) (-)

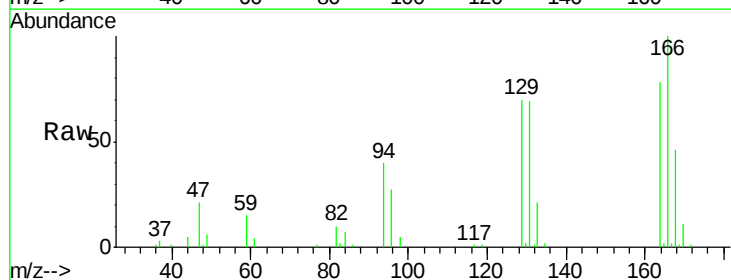
Ion 82.95 (82.65 to 83.65): VV006639.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006639.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 0.977 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

Tgt Ion:	164	Resp:	16661
Ion	Ratio	Lower	Upper
164	100		
129	89.9	65.9	122.5
131	88.3	62.9	116.7
166	128.6	91.4	169.8

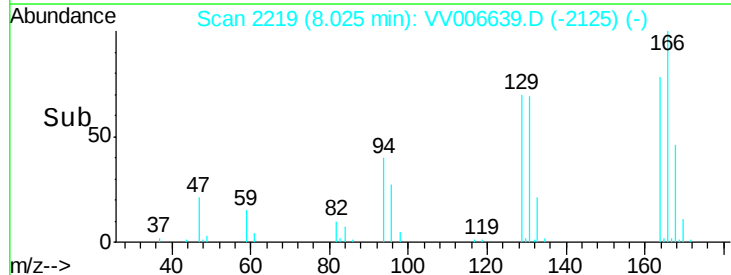
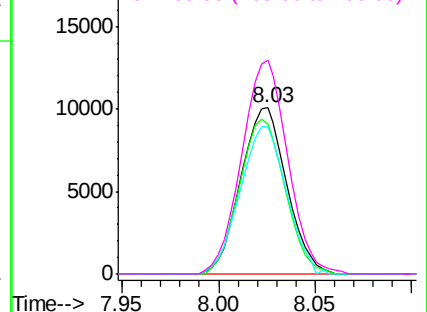


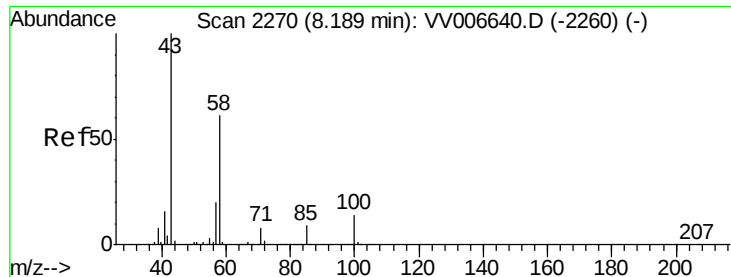
Abundance Ion 163.90 (163.60 to 164.60): VV006639.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006639.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006639.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006639.D (-2125) (-)

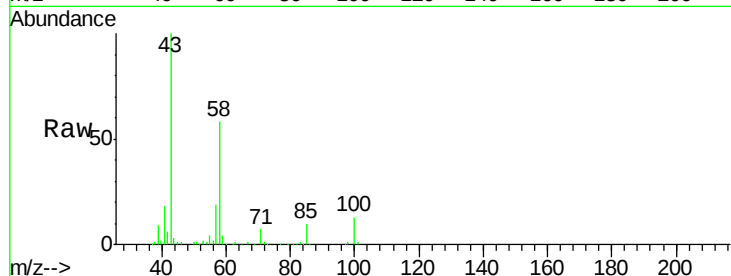




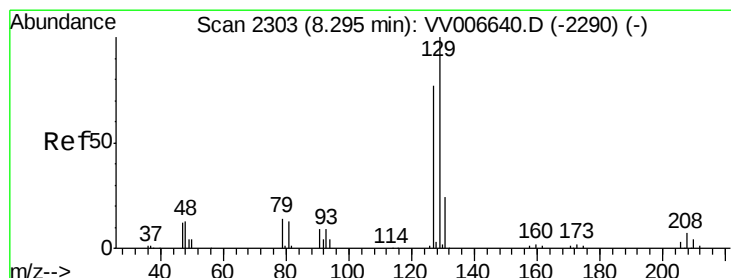
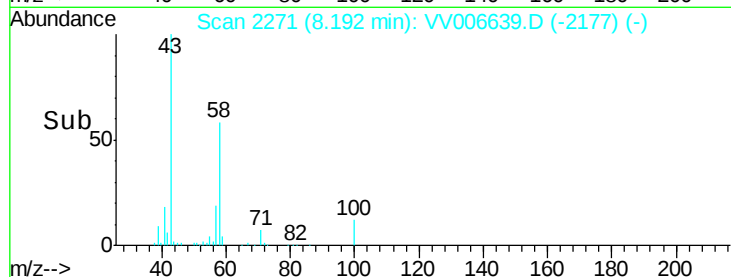
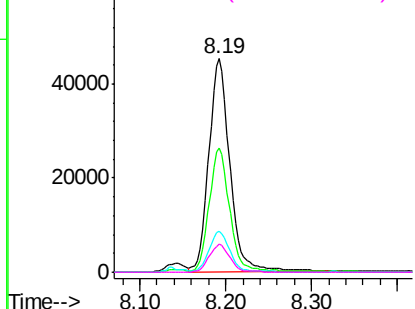
#48
2-Hexanone
Concen: 9.539 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

Tgt Ion: 43 Resp: 77190
Ion Ratio Lower Upper
43 100
58 55.2 48.2 72.2
57 19.5 16.2 24.4
100 13.1 11.0 16.4

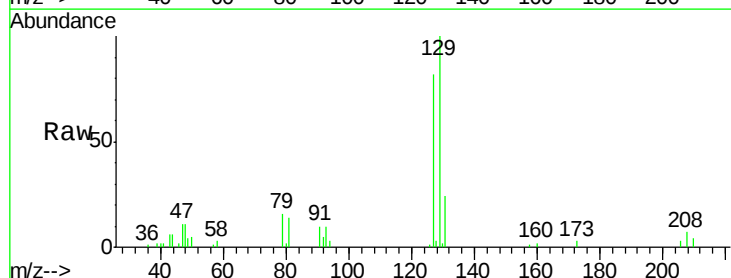


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

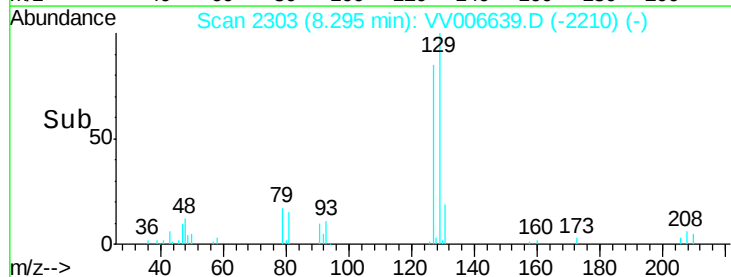
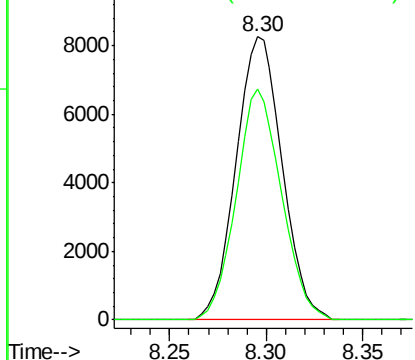


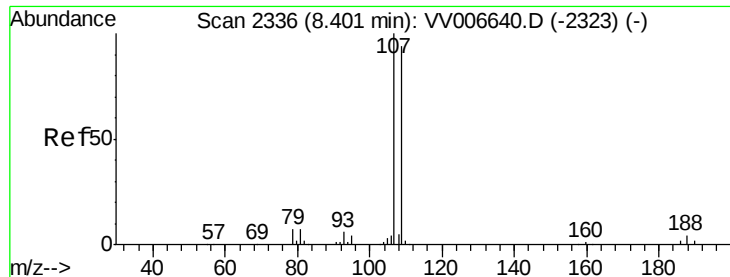
#49
Dibromochloromethane
Concen: 0.897 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Tgt Ion: 129 Resp: 13686
Ion Ratio Lower Upper
129 100
127 81.6 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VV0
Ion 126.90 (126.60 to 127.60): VV0

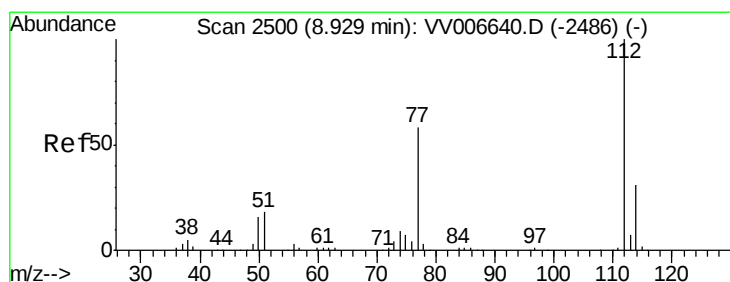
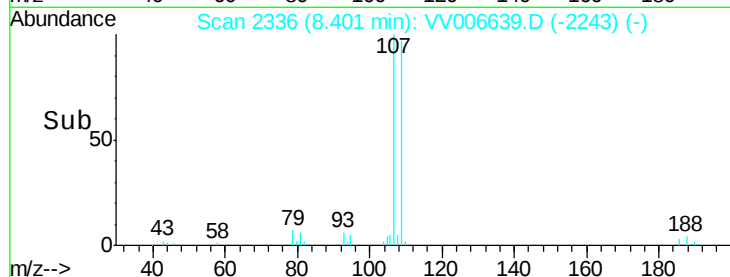
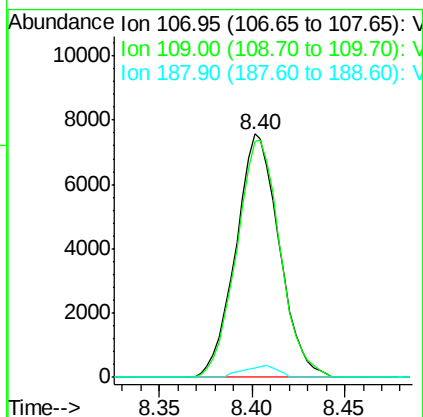
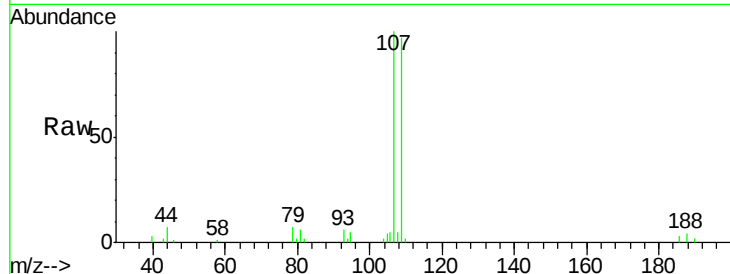




#50
1,2-Dibromoethane
Concen: 0.953 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

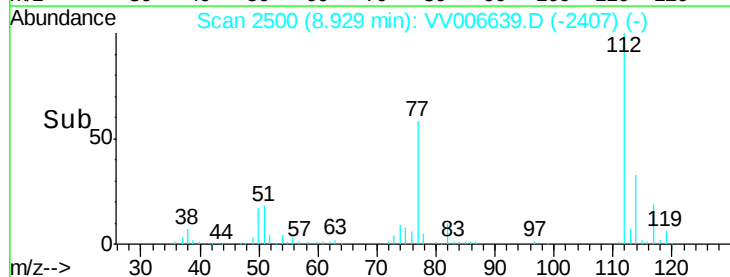
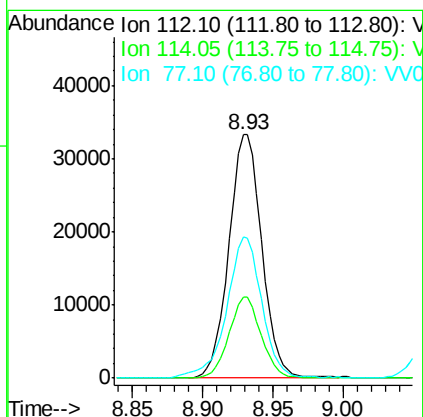
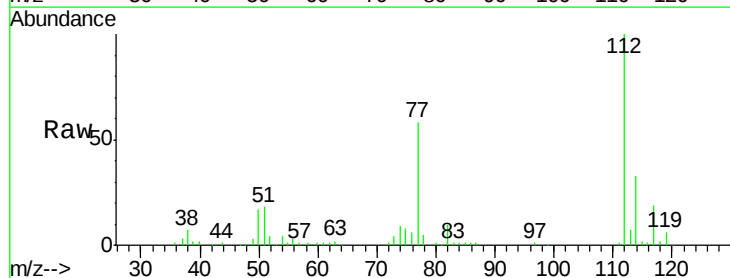
Instrument :
MSVOA_V
ClientSampleId :
VSTD00165

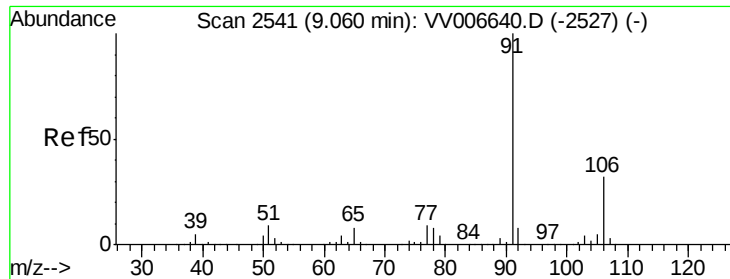
Tgt Ion:107 Resp: 12340
Ion Ratio Lower Upper
107 100
109 97.1 66.0 122.6
188 3.8 3.1 4.7



#51
Chlorobenzene
Concen: 0.968 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006639.D
Acq: 19 Jul 2018 13:03

Tgt Ion:112 Resp: 54566
Ion Ratio Lower Upper
112 100
114 33.4 21.8 40.4
77 58.0 46.6 69.8





#52

Ethylbenzene

Concen: 0.914 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

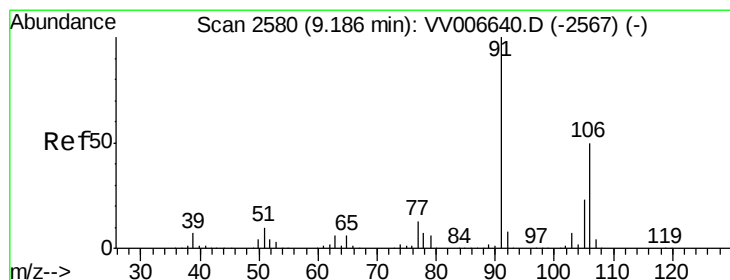
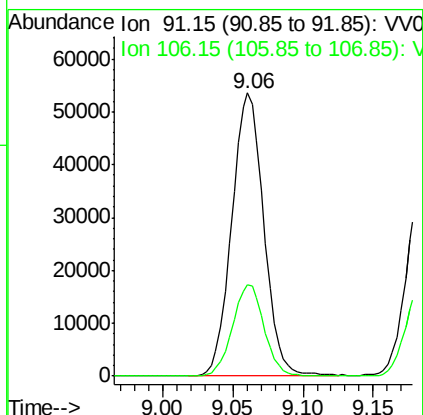
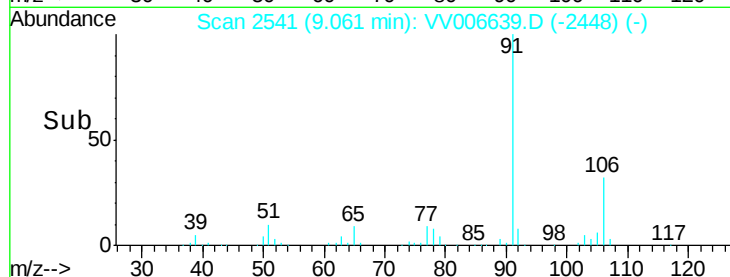
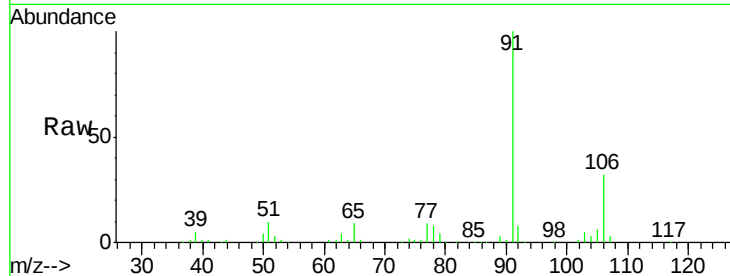
VSTD00165

Tgt Ion: 91 Resp: 85131

Ion Ratio Lower Upper

91 100

106 32.1 22.1 41.1



#53

m,p-xylene

Concen: 0.902 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006639.D

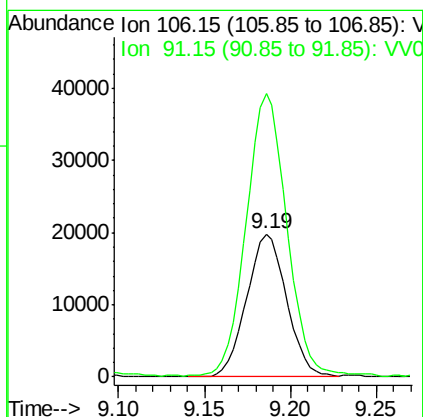
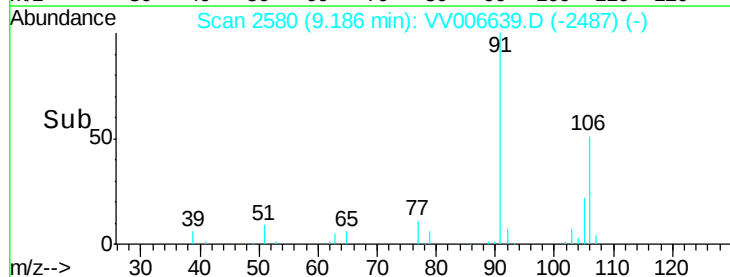
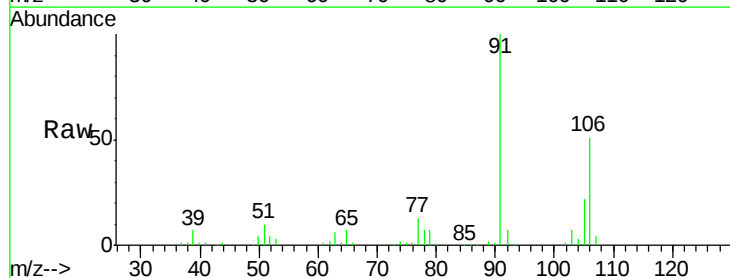
Acq: 19 Jul 2018 13:03

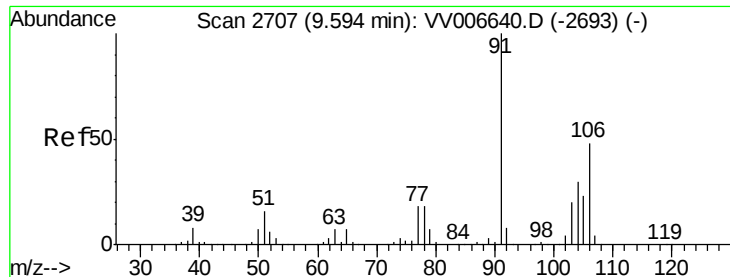
Tgt Ion: 106 Resp: 31940

Ion Ratio Lower Upper

106 100

91 197.7 140.3 260.5





#54

o-xylene

Concen: 0.890 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

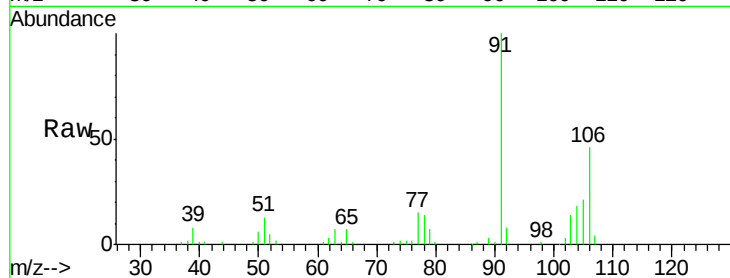
VSTD00165

Tgt Ion:106 Resp: 30749

Ion Ratio Lower Upper

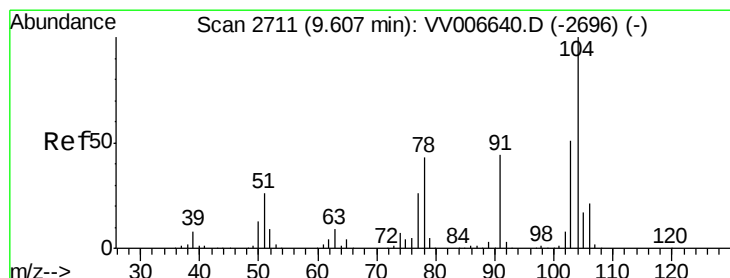
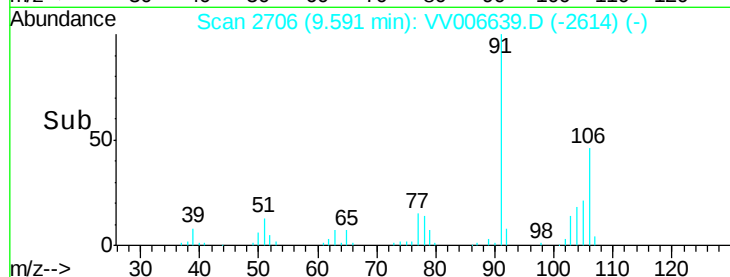
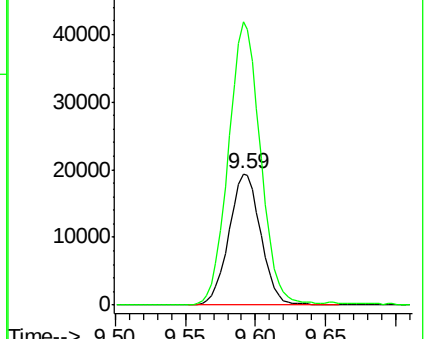
106 100

91 216.0 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.866 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006639.D

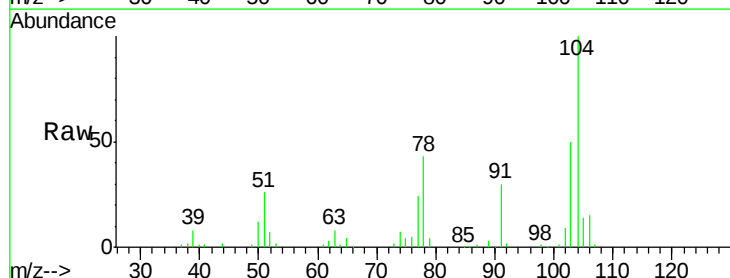
Acq: 19 Jul 2018 13:03

Tgt Ion:104 Resp: 50105

Ion Ratio Lower Upper

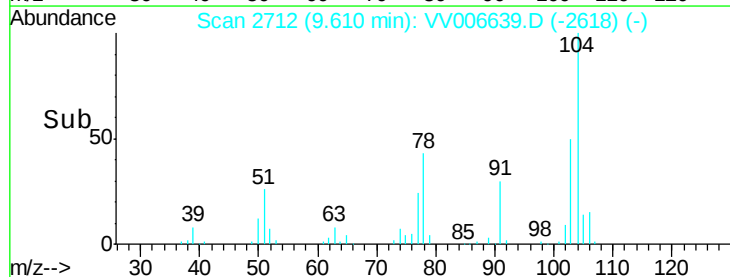
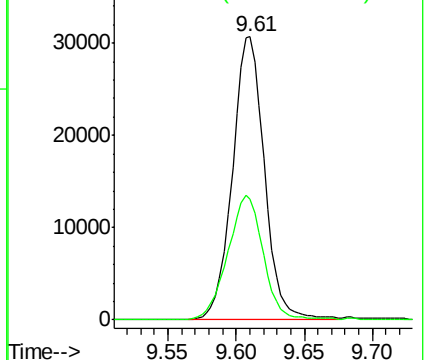
104 100

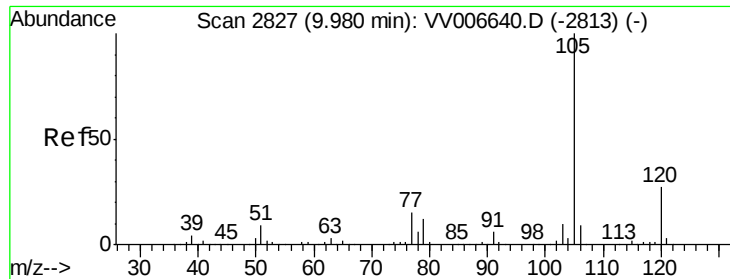
78 42.9 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.891 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

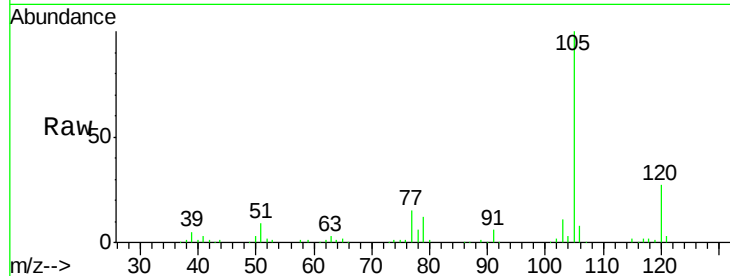
Tgt Ion: 105 Resp: 80753

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

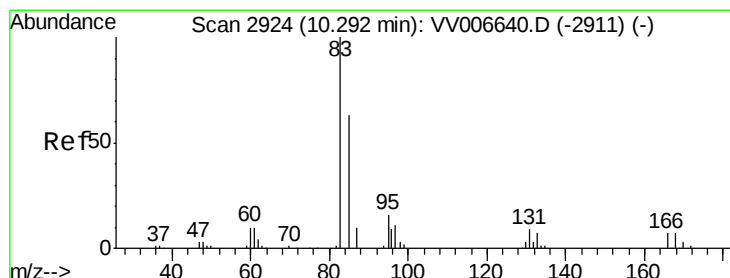
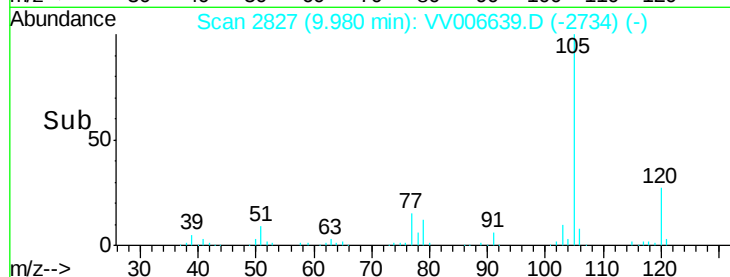
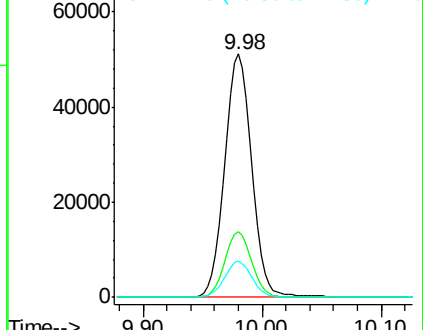
77 15.0 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.978 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

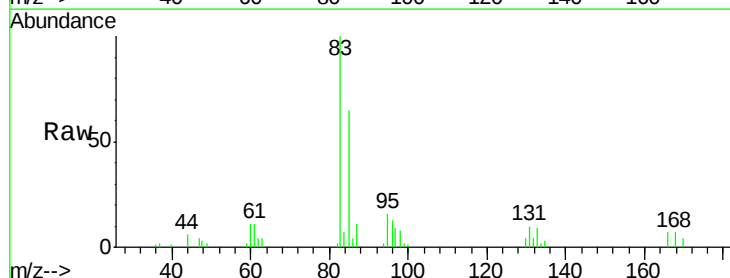
Tgt Ion: 83 Resp: 16895

Ion Ratio Lower Upper

83 100

85 64.6 44.4 82.5

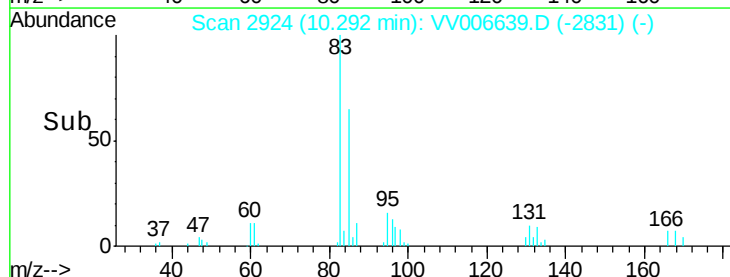
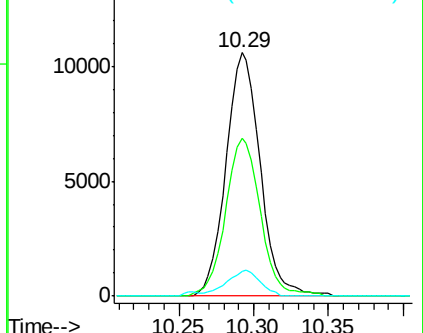
131 9.9 7.4 11.2

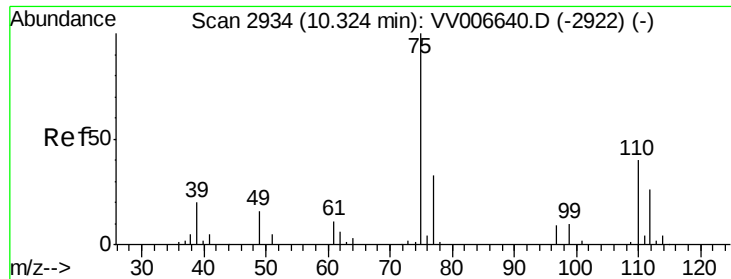


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

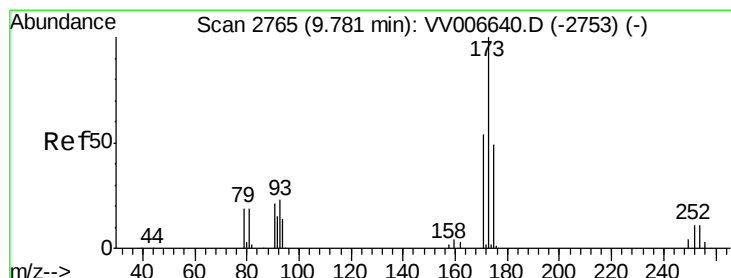
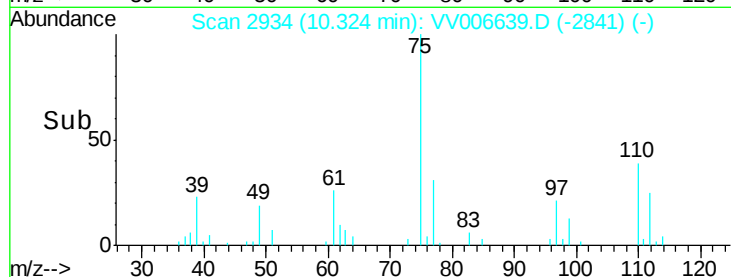
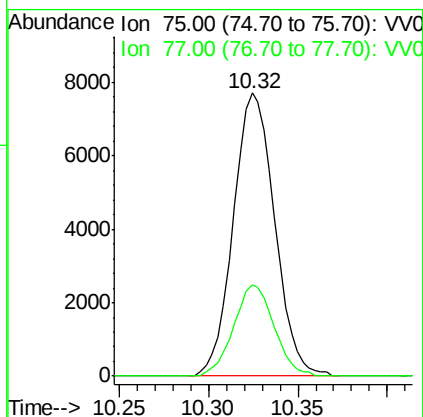
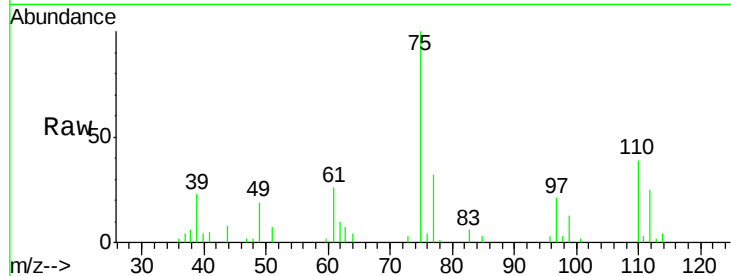




#59
 1,2,3-Trichloropropane
 Concen: 0.990 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

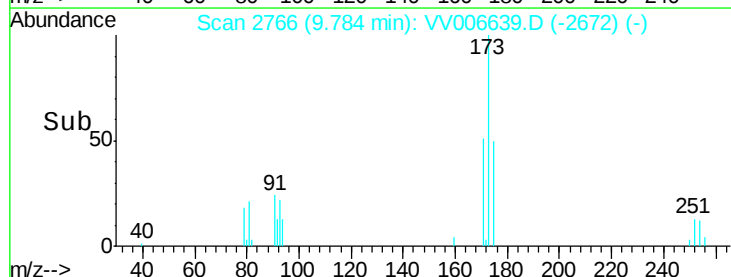
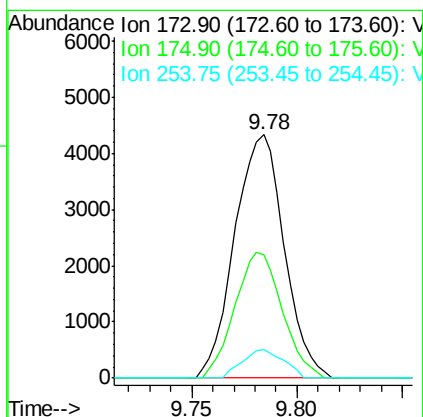
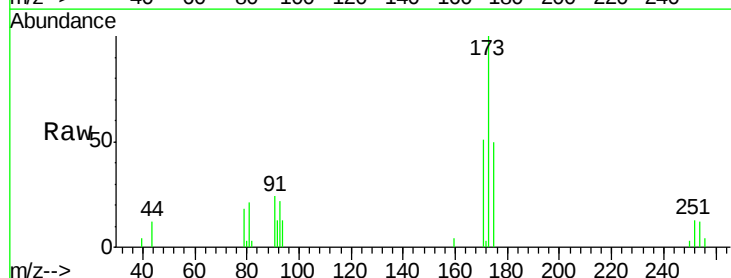
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

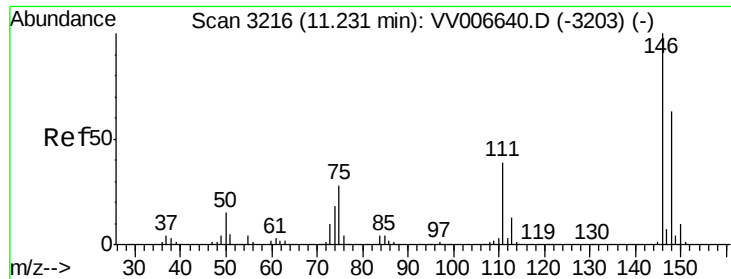
Tgt Ion: 75 Resp: 12494
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.4



#61
 Bromoform
 Concen: 0.962 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

Tgt Ion: 173 Resp: 7070
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.9 58.3
 254 9.8 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 0.956 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

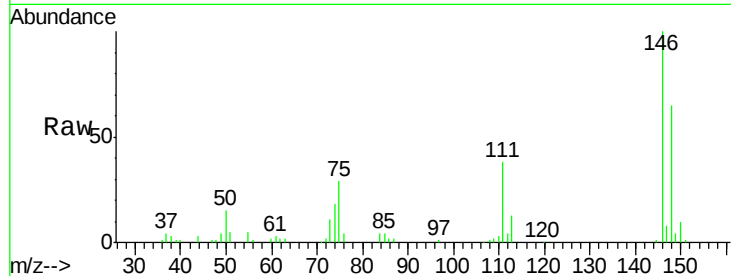
Tgt Ion:146 Resp: 37007

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.6

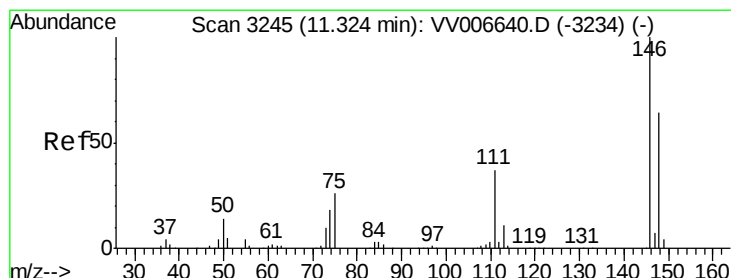
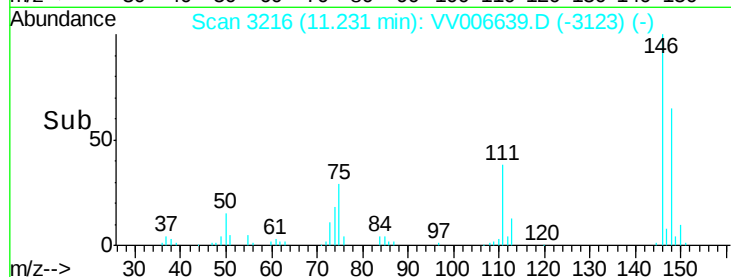
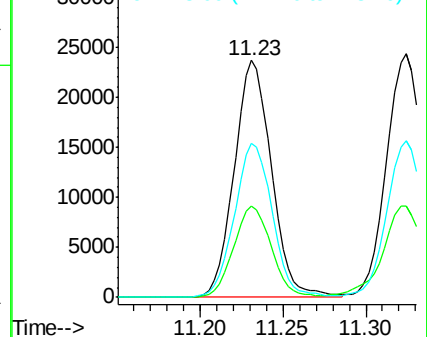
148 64.7 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.983 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

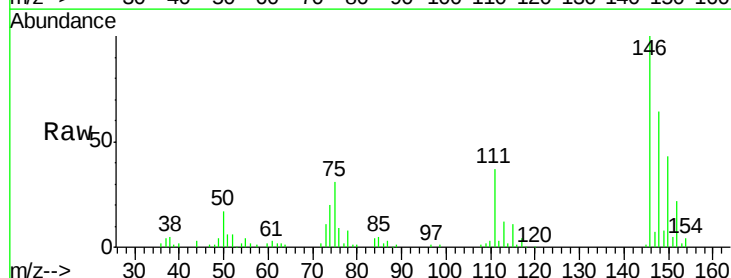
Tgt Ion:146 Resp: 38675

Ion Ratio Lower Upper

146 100

111 37.3 26.0 48.4

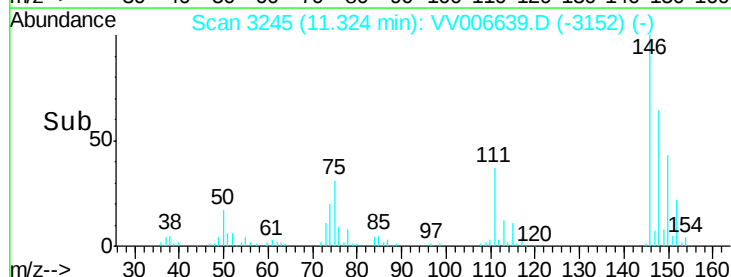
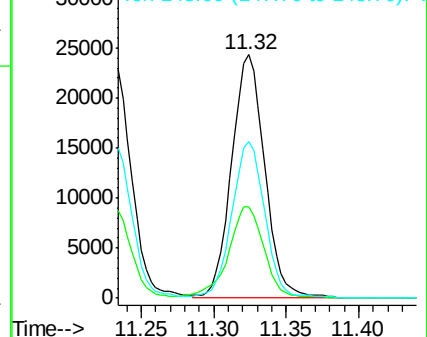
148 64.4 44.6 82.8

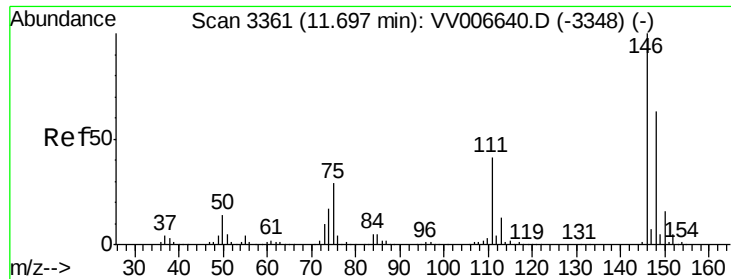


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.985 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

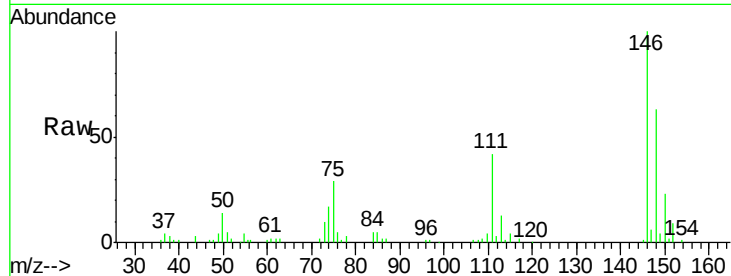
Tgt Ion:146 Resp: 36554

Ion Ratio Lower Upper

146 100

111 42.2 32.6 49.0

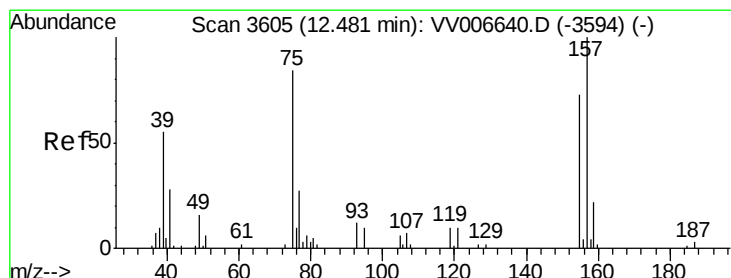
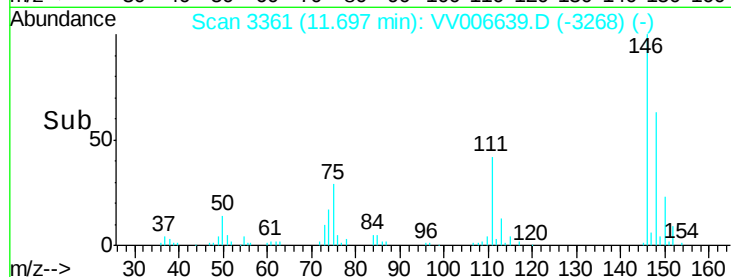
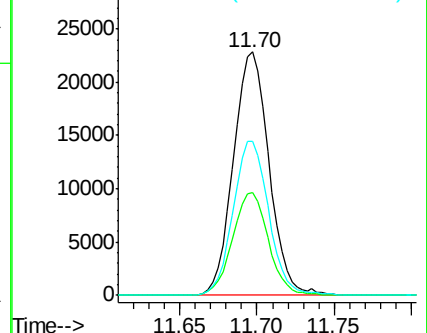
148 63.1 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.963 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

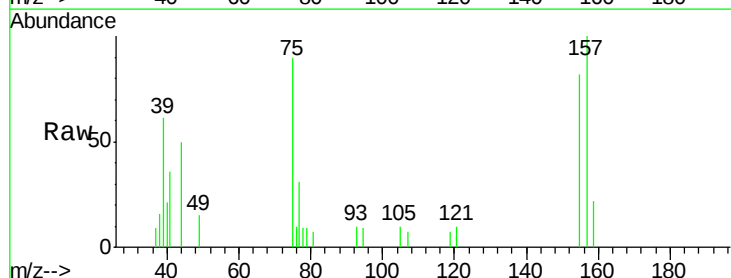
Tgt Ion: 75 Resp: 2122

Ion Ratio Lower Upper

75 100

155 91.1 69.8 104.6

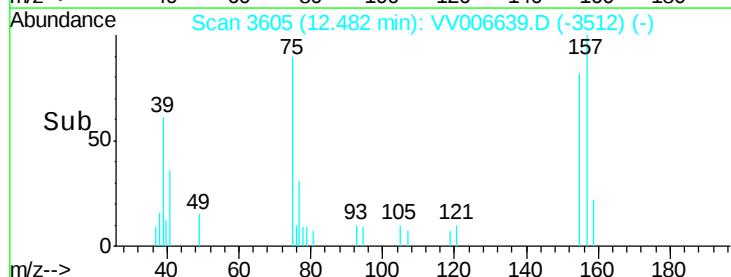
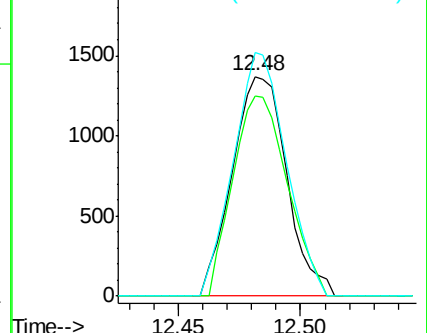
157 110.8 95.0 142.6

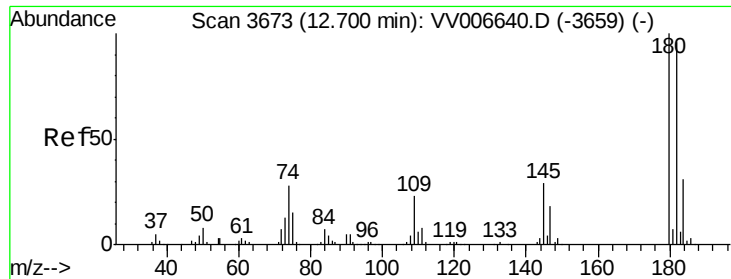


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

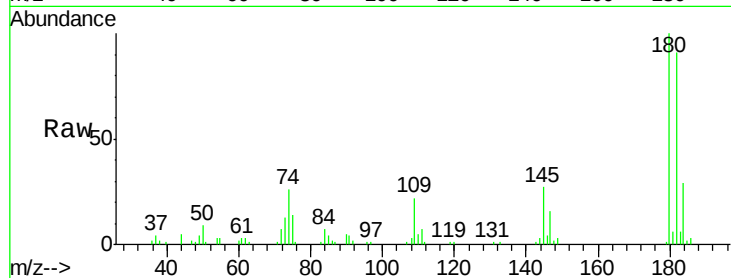




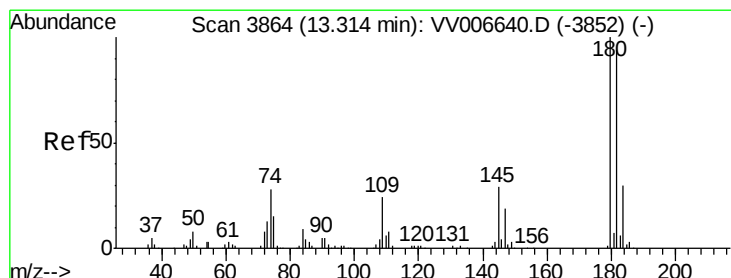
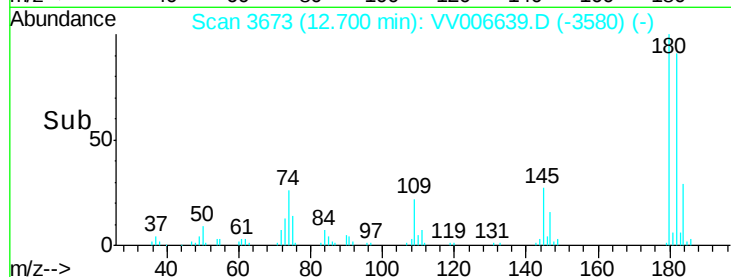
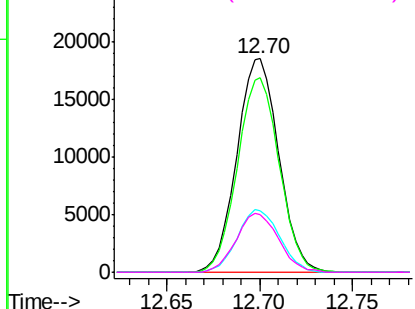
#67
 1,3,5-Trichlorobenzene
 Concen: 0.971 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00165

Tgt Ion:180 Resp: 29055
 Ion Ratio Lower Upper
 180 100
 182 91.1 77.4 116.0
 184 29.7 24.2 36.2
 145 27.9 23.2 34.8

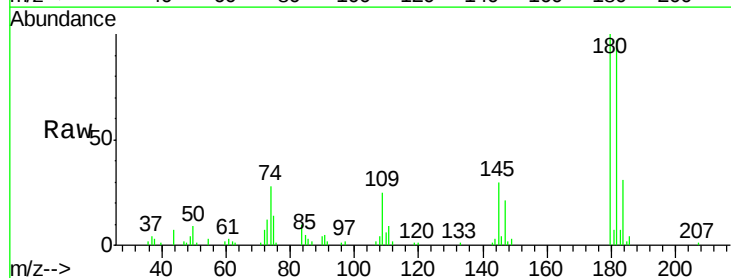


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

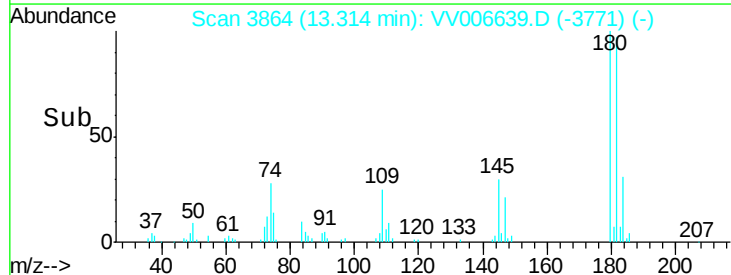
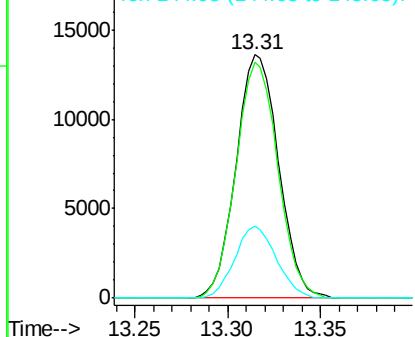


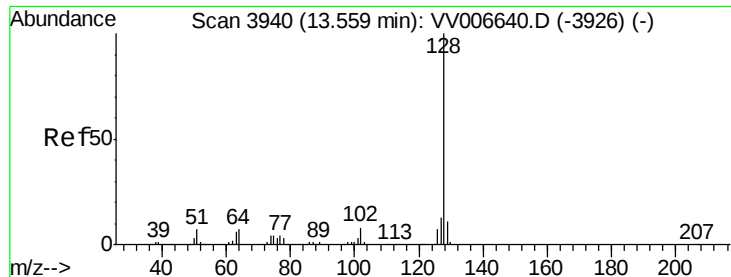
#68
 1,2,4-trichlorobenzene
 Concen: 0.914 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV006639.D
 Acq: 19 Jul 2018 13:03

Tgt Ion:180 Resp: 21697
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.8 113.8
 145 28.8 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: 0.837 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD00165

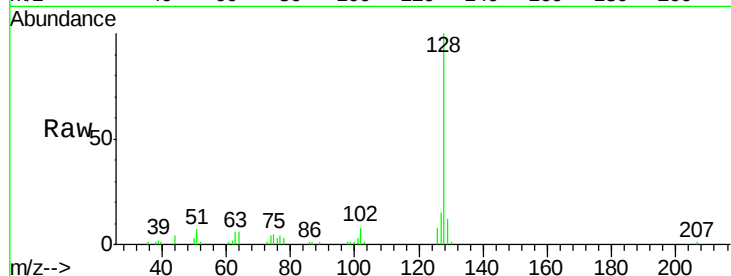
Tgt Ion:128 Resp: 34399

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

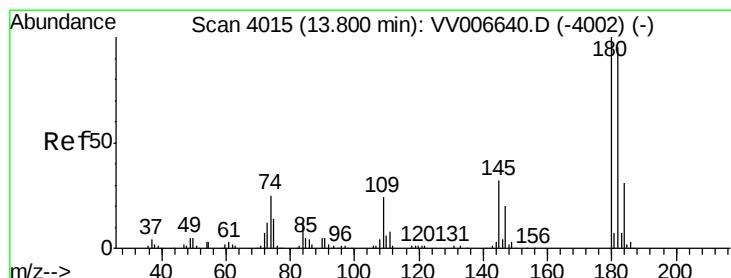
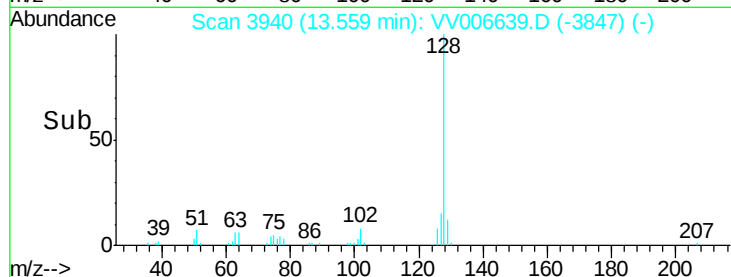
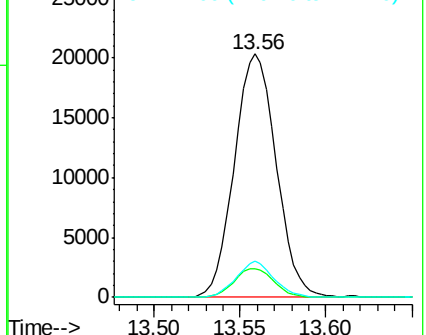
127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.898 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006639.D

Acq: 19 Jul 2018 13:03

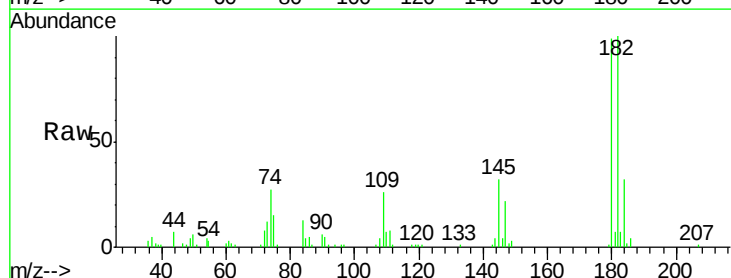
Tgt Ion:180 Resp: 20078

Ion Ratio Lower Upper

180 100

182 98.7 75.9 113.9

145 32.1 25.0 37.6



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

