

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003949.D
 Acq On : 16 Jul 2018 13:41
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 16 14:21:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:22:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	439233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	232590	71.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.06%	
35) Dibromofluoromethane	7.88	113	204649	72.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.04%	
50) Toluene-d8	10.33	98	805754	72.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	145.32%	
62) 4-Bromofluorobenzene	12.62	95	288759	72.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97058	64.59	ug/l	98
3) Chloromethane	2.20	50	146312	66.40	ug/l	98
4) Vinyl Chloride	2.35	62	200899	66.48	ug/l	100
5) Bromomethane	2.76	94	123721	64.20	ug/l	100
6) Chloroethane	2.92	64	114545	64.82	ug/l	100
7) Trichlorofluoromethane	3.24	101	87279	68.21	ug/l	98
8) Diethyl Ether	3.67	74	99535	71.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	196380	72.24	ug/l	99
10) Methyl Iodide	4.26	142	289195	71.70	ug/l	99
11) Tert butyl alcohol	5.18	59	85383	419.97	ug/l	99
12) 1,1-Dichloroethene	4.03	96	196174	73.44	ug/l	99
13) Acrolein	3.89	56	79208	347.65	ug/l	98
14) Allyl chloride	4.65	41	330858	71.26	ug/l	99
15) Acrylonitrile	5.36	53	275113	391.38	ug/l	99
16) Acetone	4.12	43	270160	378.67	ug/l	95
17) Carbon Disulfide	4.37	76	616992	71.53	ug/l	98
18) Methyl Acetate	4.67	43	138516	78.76	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	397551	74.97	ug/l	100
20) Methylene Chloride	4.90	84	228592	48.04	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	216642	70.53	ug/l	96
22) Diisopropyl ether	6.31	45	684463	71.74	ug/l	98
23) Vinyl Acetate	6.25	43	2264153	385.03	ug/l	99
24) 1,1-Dichloroethane	6.21	63	399902	69.66	ug/l	99
25) 2-Butanone	7.18	43	396175	400.96	ug/l	99
26) 2,2-Dichloropropane	7.17	77	219713	66.86	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	235149	70.83	ug/l	98
28) Bromochloromethane	7.51	49	155696	63.65	ug/l	100
29) Tetrahydrofuran	7.53	42	253517	409.22	ug/l	100
30) Chloroform	7.68	83	397644	69.20	ug/l	99
31) Cyclohexane	7.95	56	364520	68.45	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	308005	68.92	ug/l	100
36) 1,1-Dichloropropene	8.08	75	325773	71.84	ug/l	99
37) Ethyl Acetate	7.26	43	171185	81.41	ug/l	99
38) Carbon Tetrachloride	8.07	117	304786	72.11	ug/l	99

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Quant Time: Jul 16 14:21:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:22:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	398955	76.74	ug/l	99
40) Benzene	8.32	78	903346	71.36	ug/l	100
41) Methacrylonitrile	7.49	41	92909	77.91	ug/l	96
42) 1,2-Dichloroethane	8.40	62	279884	72.49	ug/l	100
43) Isopropyl Acetate	8.43	43	317049	79.99	ug/l	99
44) Trichloroethene	9.09	130	235130	72.53	ug/l	97
45) 1,2-Dichloropropane	9.37	63	229931	71.01	ug/l	98
46) Dibromomethane	9.46	93	123355	74.38	ug/l	99
47) Bromodichloromethane	9.65	83	297355	72.08	ug/l	99
48) Methyl methacrylate	9.44	41	159087	83.54	ug/l	98
49) 1,4-Dioxane	9.45	88	41100	1640.40	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	864900	410.25	ug/l	100
52) Toluene	10.39	92	563313	71.57	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	321112	75.44	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	361546	74.08	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	172684	73.58	ug/l	100
56) Ethyl methacrylate	10.65	69	245007	82.69	ug/l	99
57) 1,3-Dichloropropane	10.93	76	303365	74.39	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	538367	377.09	ug/l	100
59) 2-Hexanone	10.98	43	616834	418.62	ug/l	100
60) Dibromochloromethane	11.13	129	205166	75.43	ug/l	99
61) 1,2-Dibromoethane	11.24	107	166473	75.56	ug/l	98
64) Tetrachloroethene	10.87	164	201801	72.93	ug/l	100
65) Chlorobenzene	11.66	112	612241	72.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	214749	72.91	ug/l	99
67) Ethyl Benzene	11.74	91	1119809	75.32	ug/l	98
68) m/p-Xylenes	11.84	106	843114	148.29	ug/l	100
69) o-Xylene	12.17	106	398163	75.44	ug/l	100
70) Styrene	12.18	104	668152	75.71	ug/l	100
71) Bromoform	12.35	173	127403	78.60	ug/l #	100
73) Isopropylbenzene	12.47	105	1087095	74.24	ug/l	100
74) N-amyl acetate	12.28	43	306102	82.12	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	213486	77.01	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	290442	136.51	ug/l #	100
77) Bromobenzene	12.75	156	253337	72.40	ug/l	99
78) n-propylbenzene	12.81	91	1331867	73.82	ug/l	99
79) 2-Chlorotoluene	12.90	91	741742	72.67	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	914491	73.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	71398	81.06	ug/l	98
82) 4-Chlorotoluene	12.99	91	775555	71.03	ug/l	99
83) tert-Butylbenzene	13.21	119	777513	75.06	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	932992	73.22	ug/l	98
85) sec-Butylbenzene	13.39	105	1135026	73.44	ug/l	100
86) p-Isopropyltoluene	13.51	119	1017375	75.07	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	500700	71.14	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	492606	69.79	ug/l	100
89) n-Butylbenzene	13.84	91	985703	73.98	ug/l	100
90) Hexachloroethane	14.10	117	179792	71.98	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	450528	71.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	38323	78.81	ug/l	98

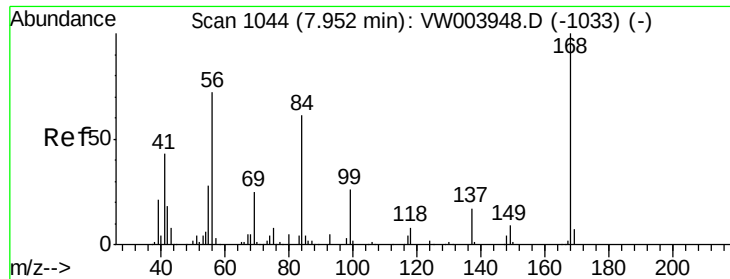
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
Data File : VW003949.D
Acq On : 16 Jul 2018 13:41
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Instrument :
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ClientSampleId :
VSTDICC075

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Quant Title : SW846 8260
QLast Update : Mon Jul 16 14:22:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	319503	73.24	ug/l	99
94) Hexachlorobutadiene	15.25	225	183216	72.94	ug/l	98
95) Naphthalene	15.38	128	648012	82.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	283935	73.84	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

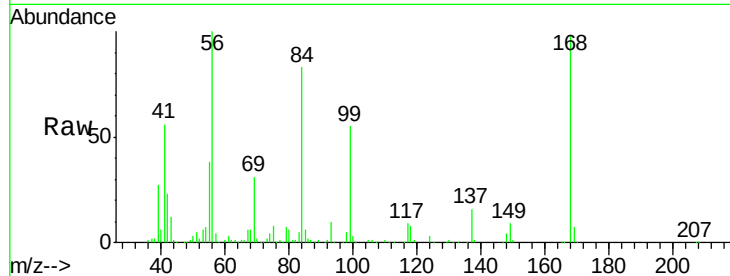
VSTDIC075

Tot Ion:168 Resp: 286846

Ion Ratio Lower Upper

168 100

99 56.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.90 (98.60 to 99.60): VW

7.95

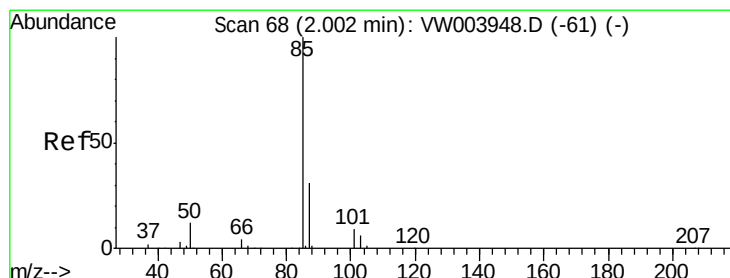
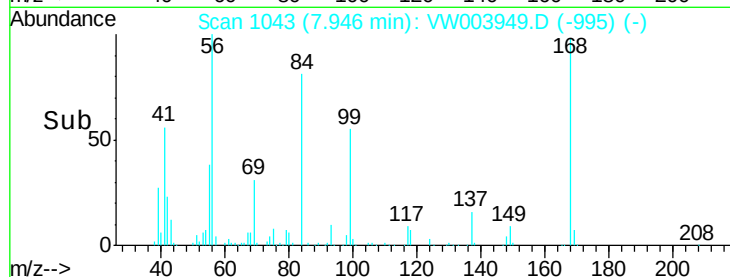
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 64.59 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003949.D

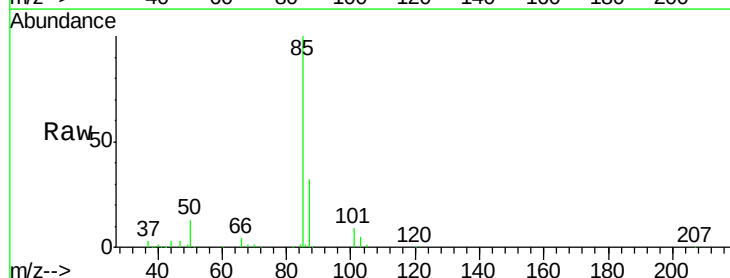
Acq: 16 Jul 2018 13:41

Tgt Ion: 85 Resp: 97058

Ion Ratio Lower Upper

85 100

87 31.8 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

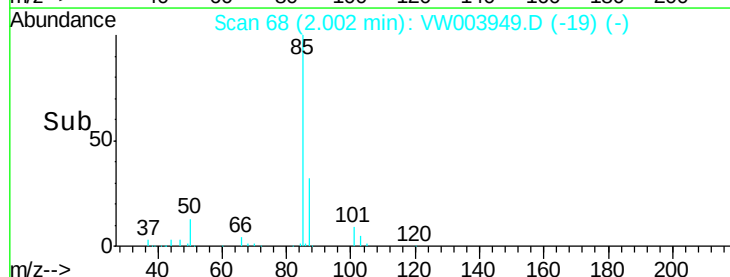
30000

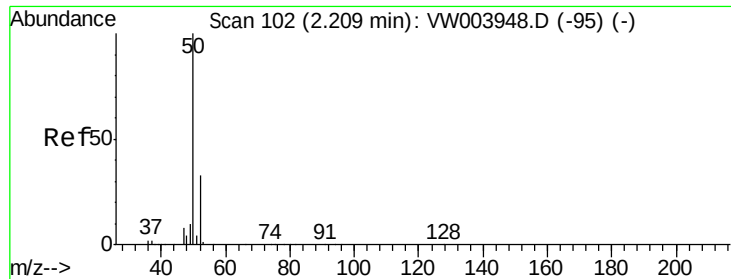
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10

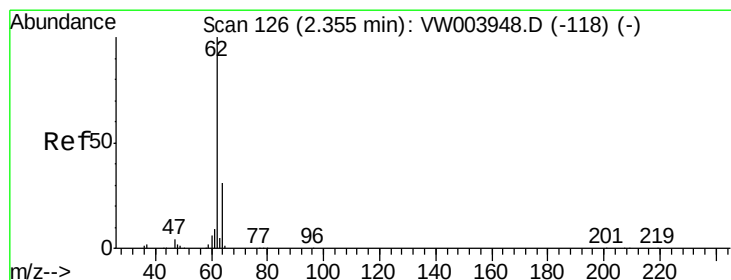
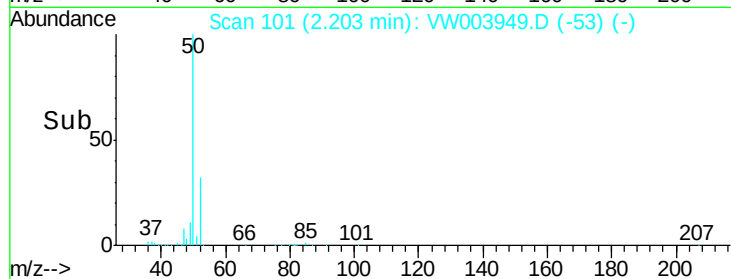
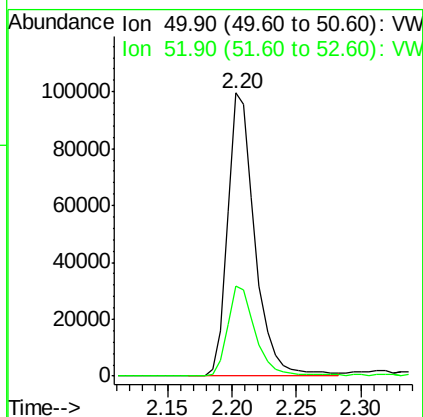
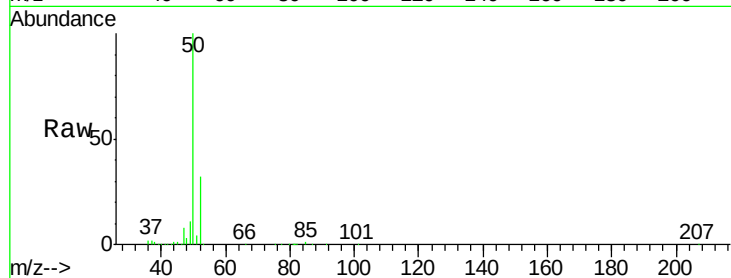




#3
Chloromethane
Concen: 66.40 ug/l
RT: 2.20 min Scan# 101
Delta R.T. -0.01 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

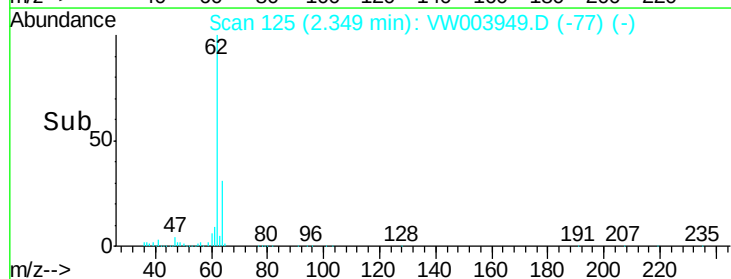
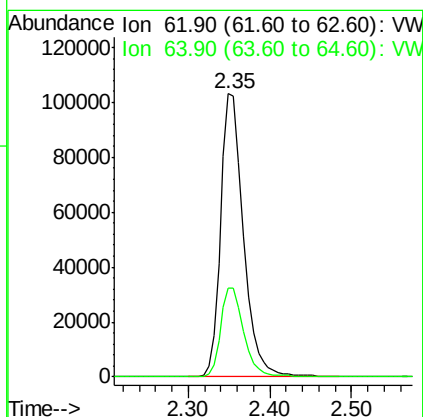
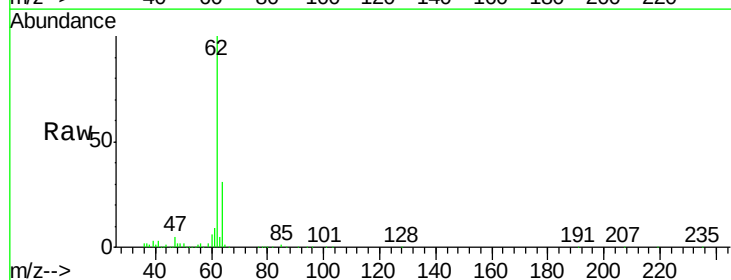
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

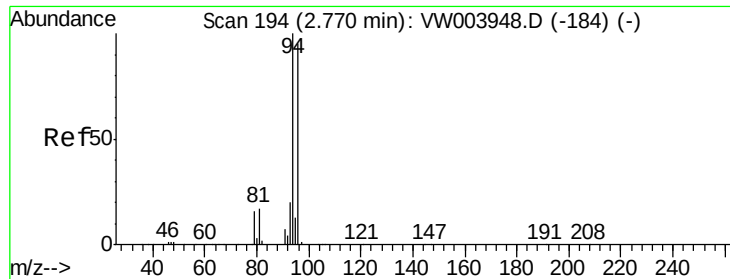
Tot Ion: 50 Resp: 146312
Ion Ratio Lower Upper
50 100
52 31.9 26.3 39.5



#4
Vinyl Chloride
Concen: 66.48 ug/l
RT: 2.35 min Scan# 125
Delta R.T. -0.01 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 62 Resp: 200899
Ion Ratio Lower Upper
62 100
64 31.5 25.0 37.6





#5

Bromomethane

Concen: 64.20 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

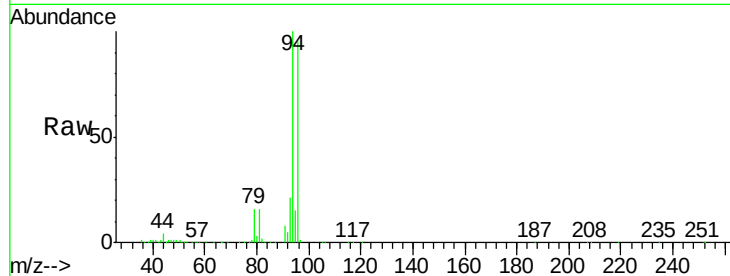
VSTDIC075

Tot Ion: 94 Resp: 123721

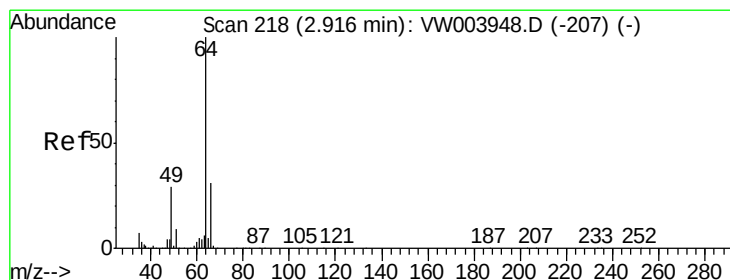
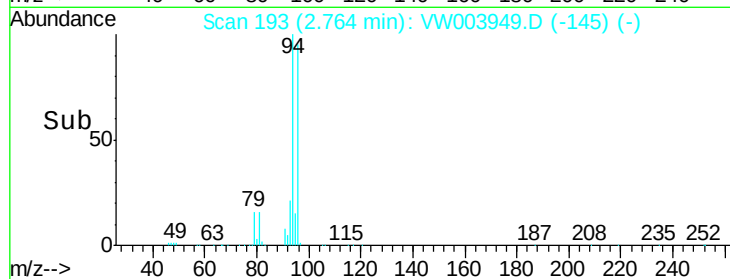
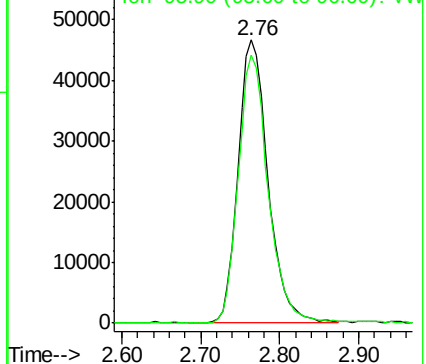
Ion Ratio Lower Upper

94 100

96 94.6 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 64.82 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW003949.D

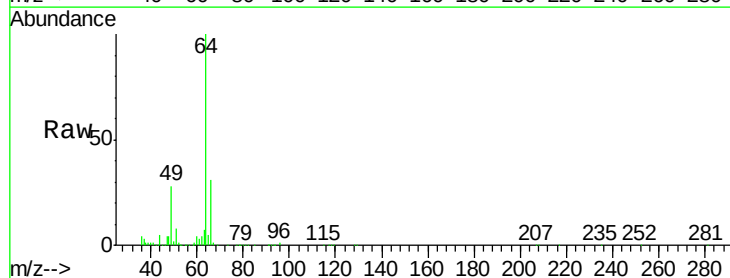
Acq: 16 Jul 2018 13:41

Tgt Ion: 64 Resp: 114545

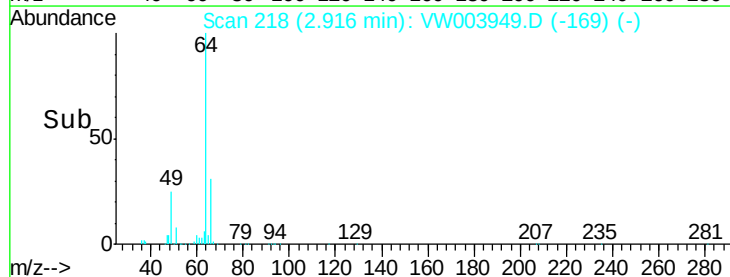
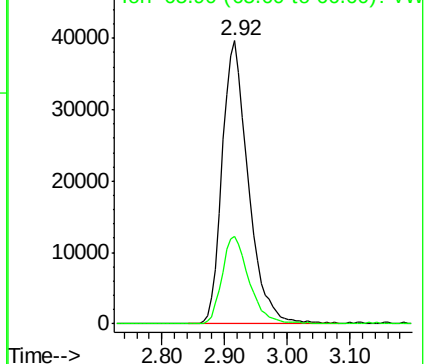
Ion Ratio Lower Upper

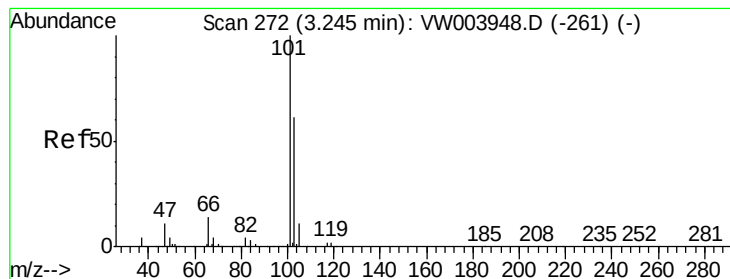
64 100

66 30.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



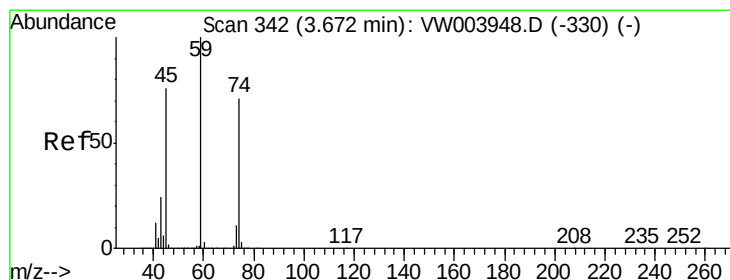
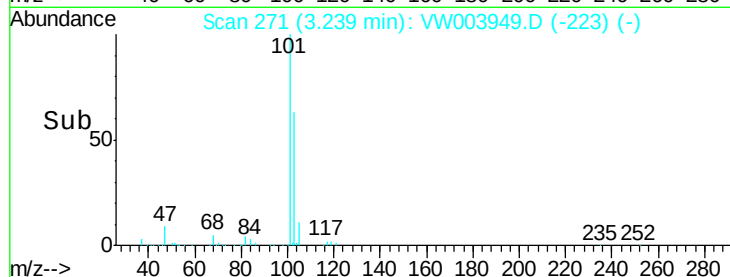
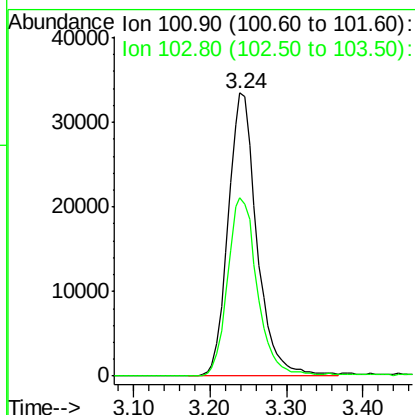
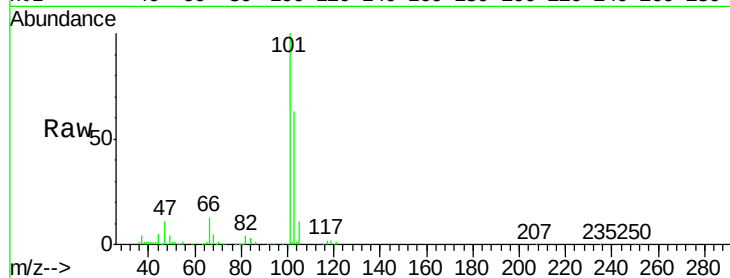


#7

Trichlorofluoromethane
Concen: 68.21 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

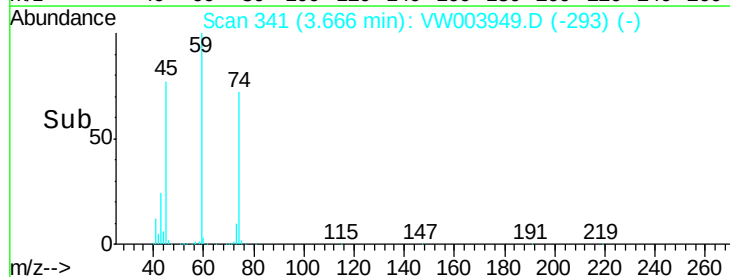
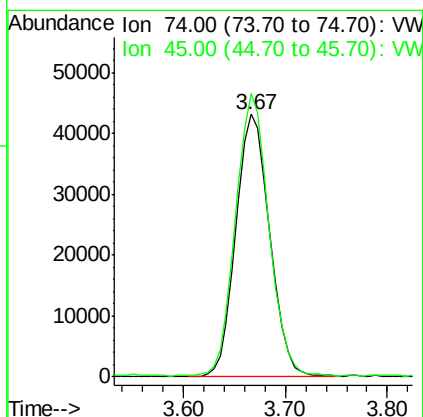
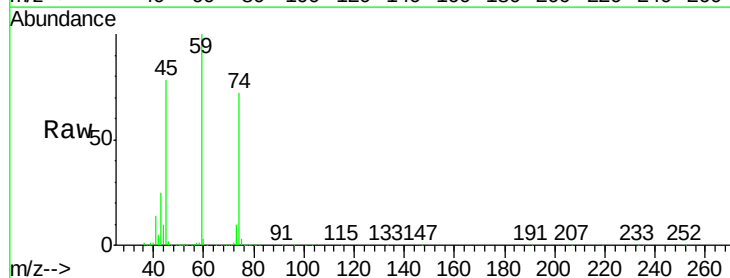
Tot Ion:101 Resp: 87279
Ion Ratio Lower Upper
101 100
103 63.2 49.0 73.6

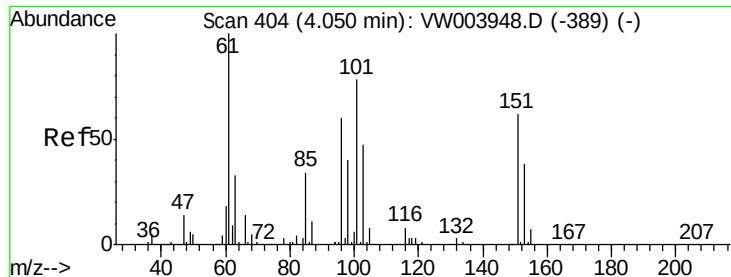


#8

Diethyl Ether
Concen: 71.66 ug/l
RT: 3.67 min Scan# 341
Delta R.T. -0.01 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 74 Resp: 99535
Ion Ratio Lower Upper
74 100
45 105.7 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 72.24 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

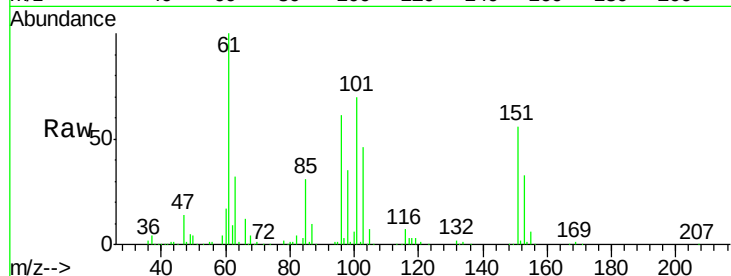
Tot Ion:101 Resp: 196380

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.6

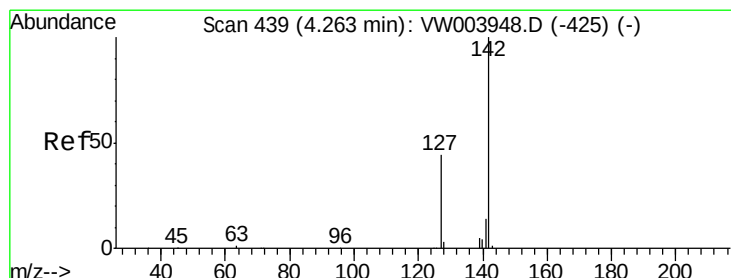
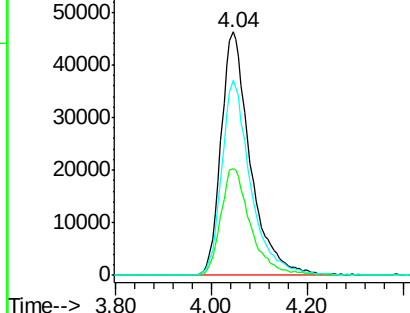
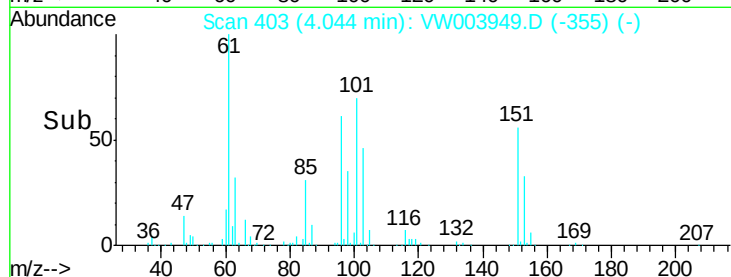
151 78.9 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60):

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50):



#10

Methyl Iodide

Concen: 71.70 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

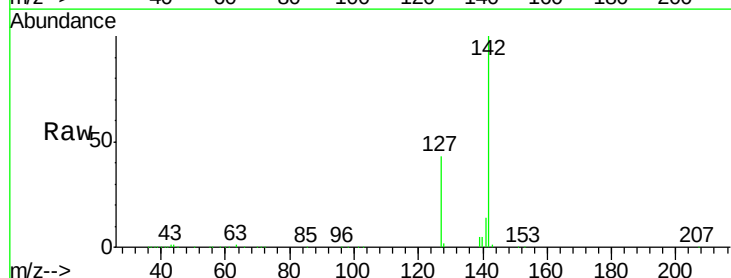
Tgt Ion:142 Resp: 289195

Ion Ratio Lower Upper

142 100

127 43.7 35.4 53.2

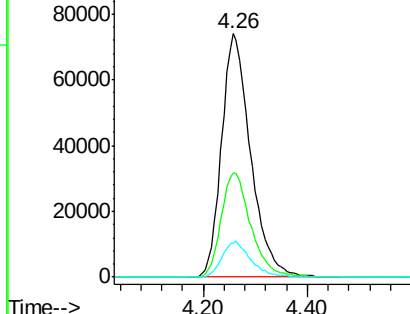
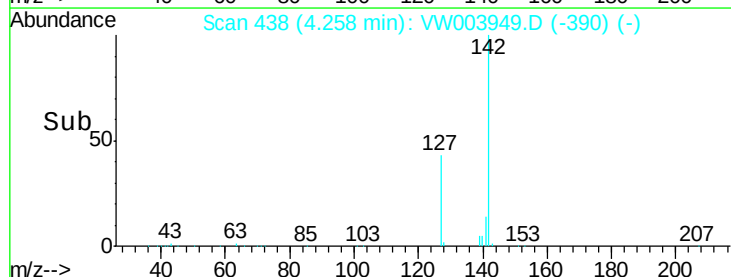
141 14.5 11.7 17.5

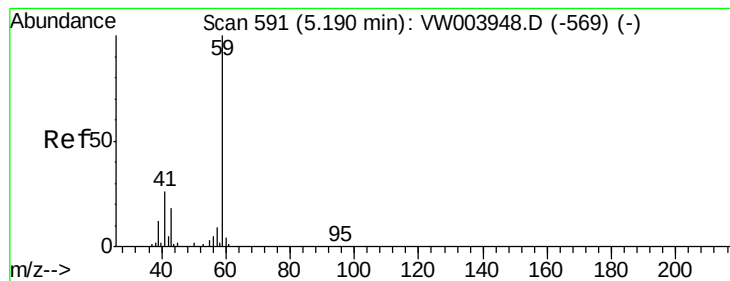


Abundance Ion 141.80 (141.50 to 142.50):

Ion 126.80 (126.50 to 127.50):

Ion 140.80 (140.50 to 141.50):





#11

Tert butyl alcohol

Concen: 419.97 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampled :

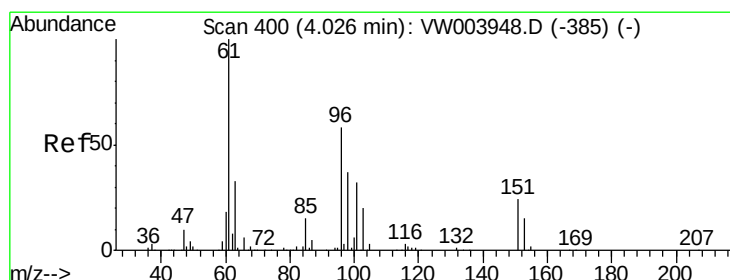
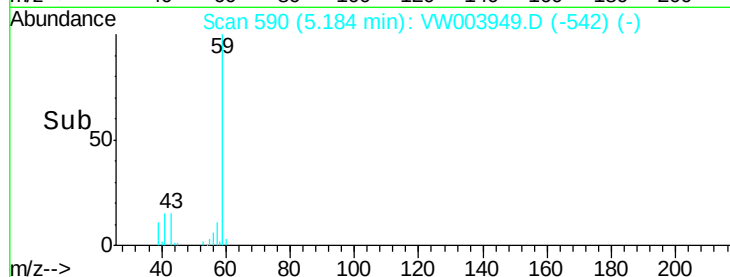
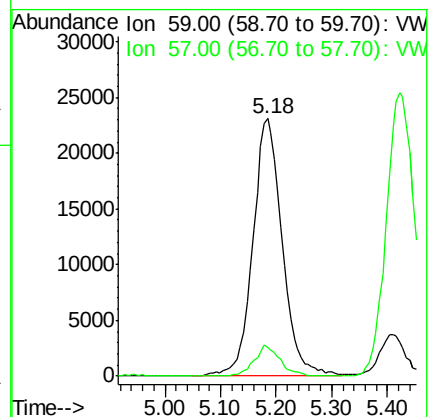
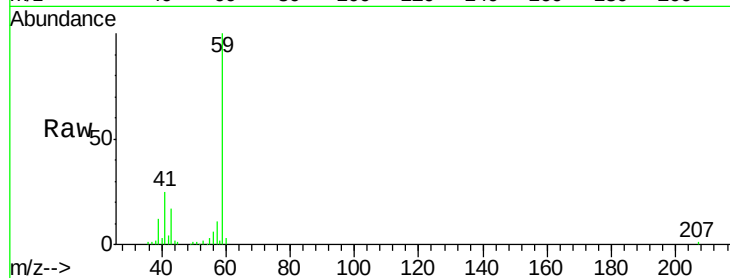
VSTDIC075

Tot Ion: 59 Resp: 85383

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#12

1,1-Dichloroethene

Concen: 73.44 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

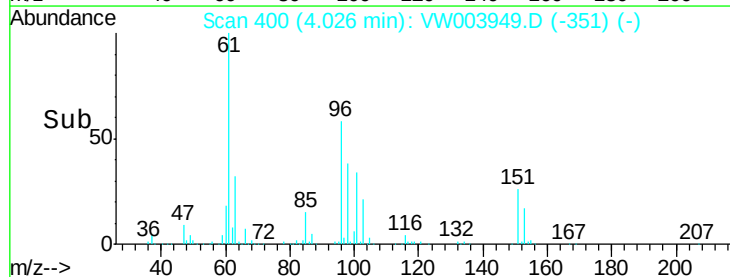
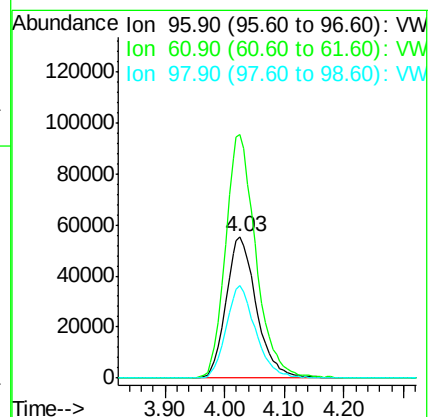
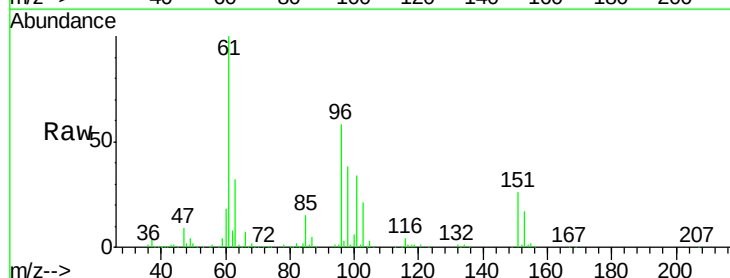
Tgt Ion: 96 Resp: 196174

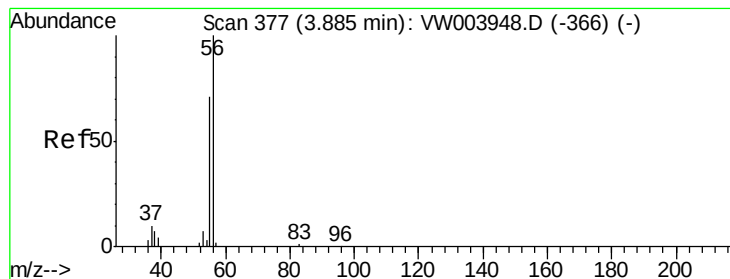
Ion Ratio Lower Upper

96 100

61 171.6 137.0 205.6

98 65.0 50.2 75.4





#13

Acrolein

Concen: 347.65 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

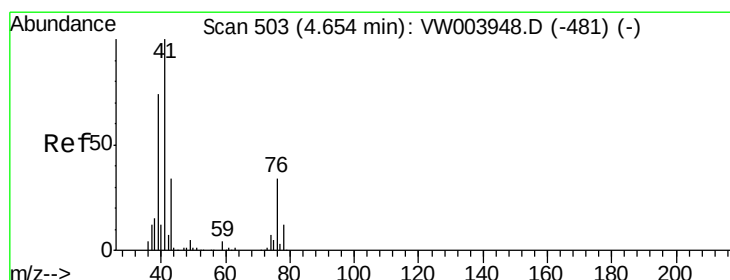
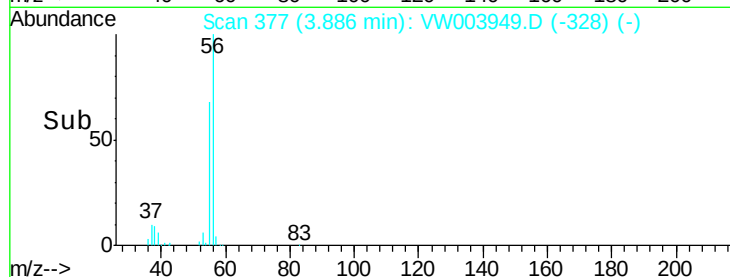
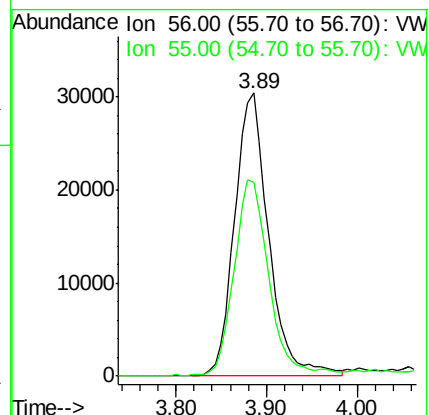
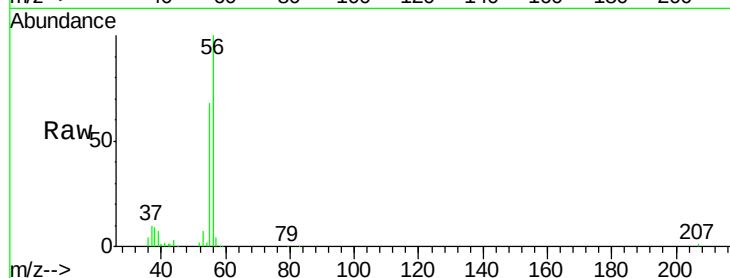
VSTDIC075

Tot Ion: 56 Resp: 79208

Ion Ratio Lower Upper

56 100

55 70.7 58.2 87.4



#14

Allyl chloride

Concen: 71.26 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

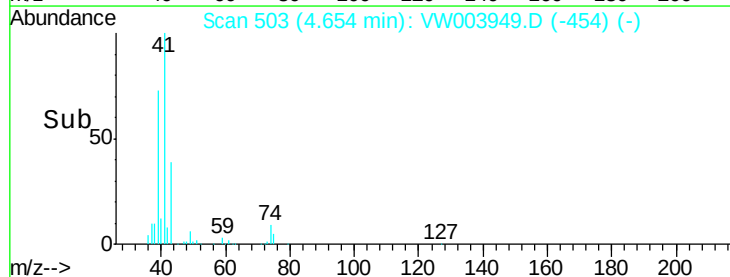
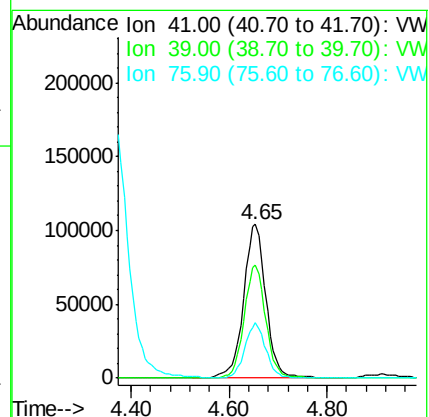
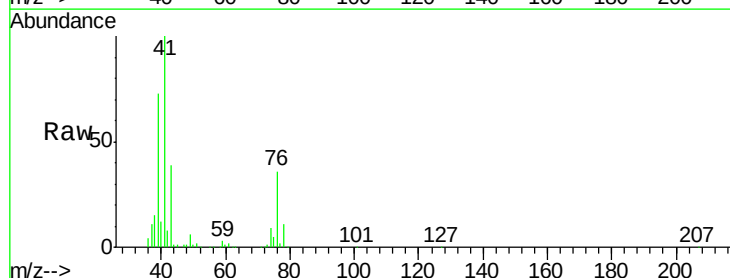
Tgt Ion: 41 Resp: 330858

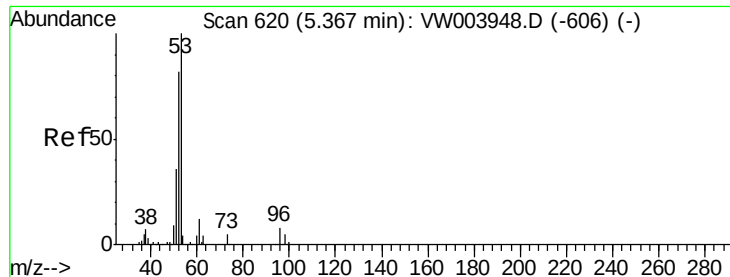
Ion Ratio Lower Upper

41 100

39 70.3 57.0 85.4

76 33.5 26.5 39.7





#15

Acrylonitrile

Concen: 391.38 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

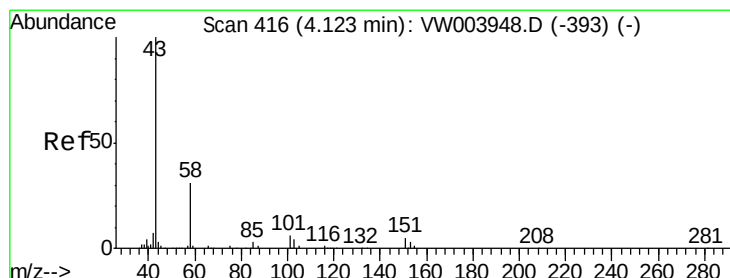
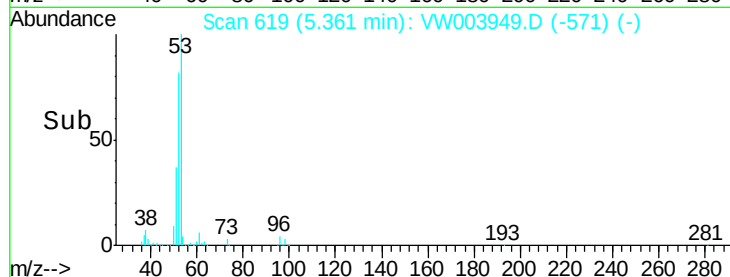
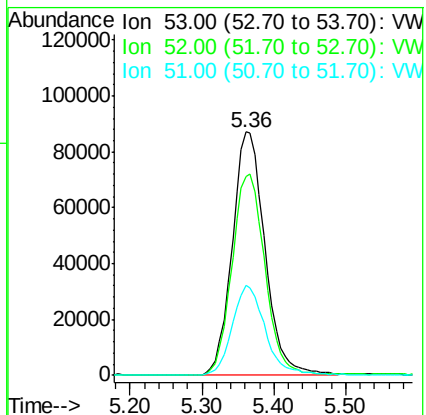
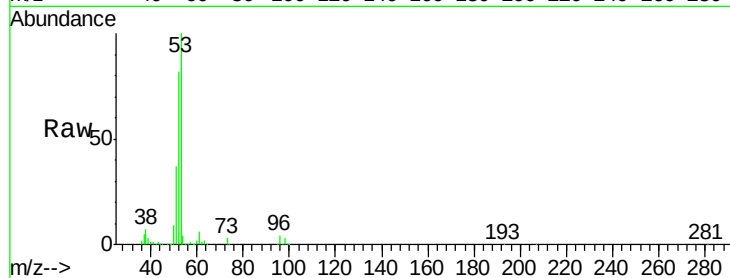
Tot Ion: 53 Resp: 275113

Ion Ratio Lower Upper

53 100

52 83.6 66.1 99.1

51 37.9 29.8 44.6



#16

Acetone

Concen: 378.67 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW003949.D

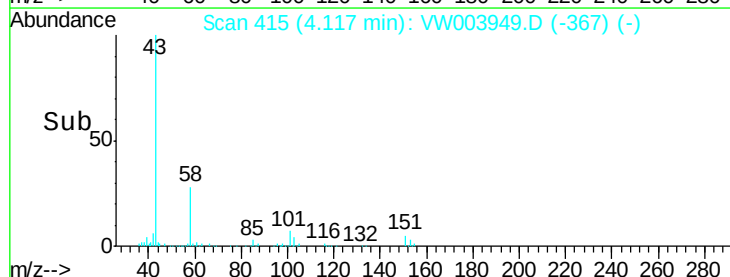
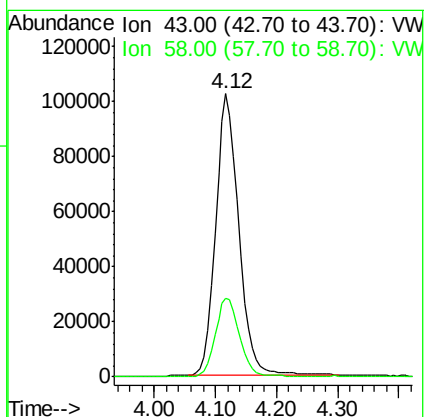
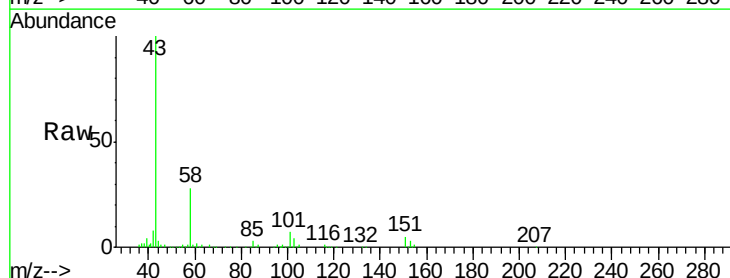
Acq: 16 Jul 2018 13:41

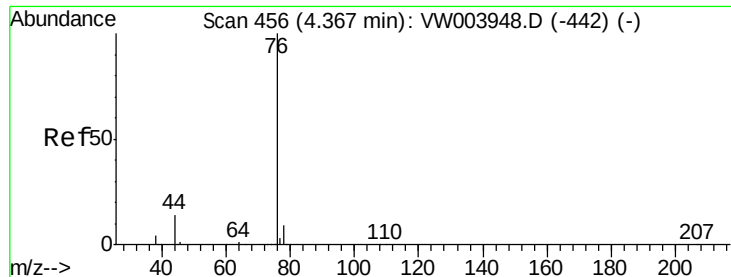
Tgt Ion: 43 Resp: 270160

Ion Ratio Lower Upper

43 100

58 27.7 24.5 36.7

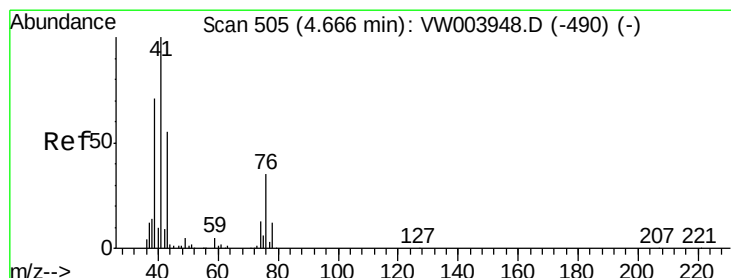
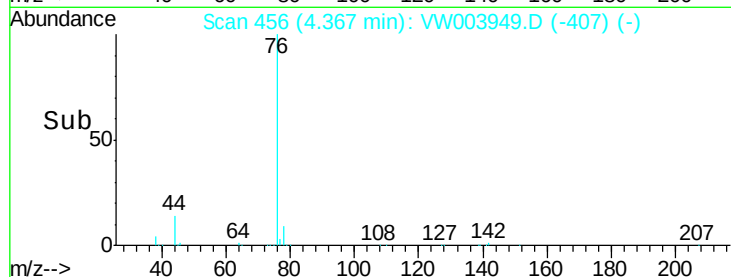
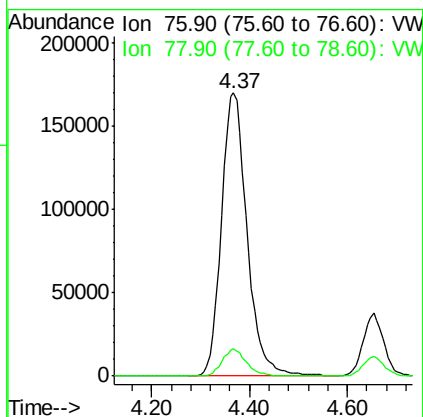
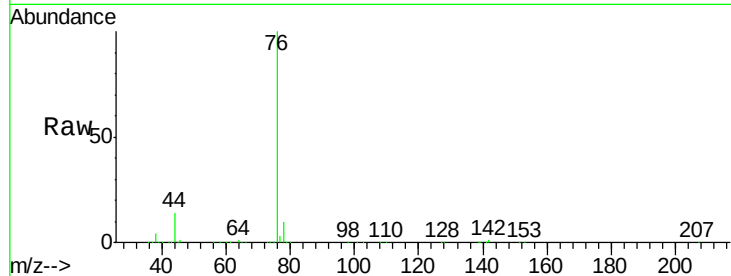




#17
Carbon Disulfide
Concen: 71.53 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

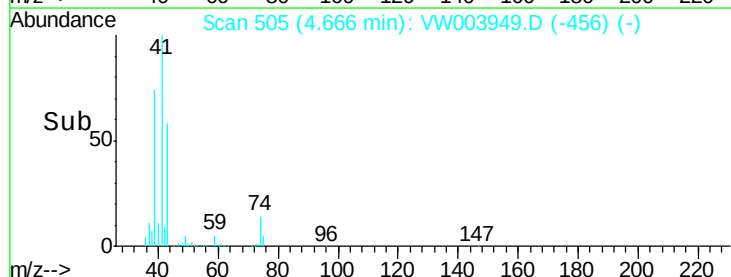
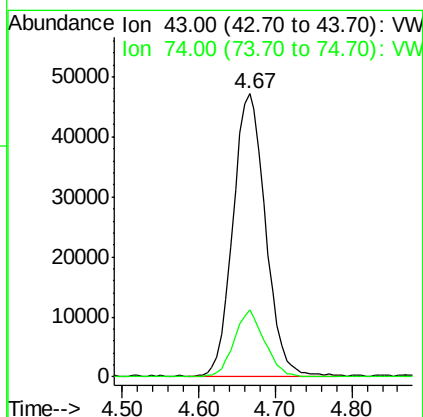
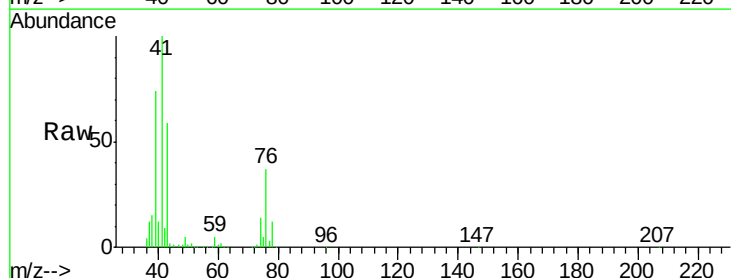
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

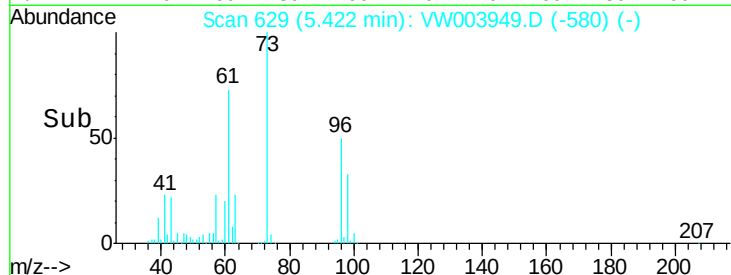
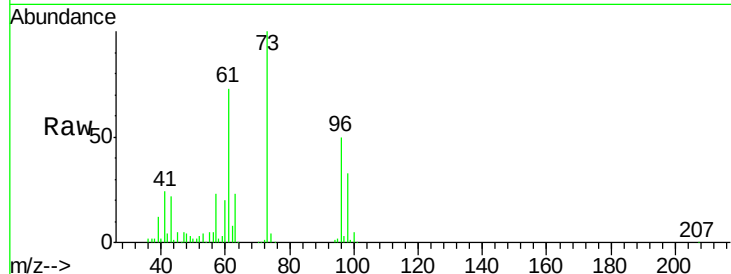
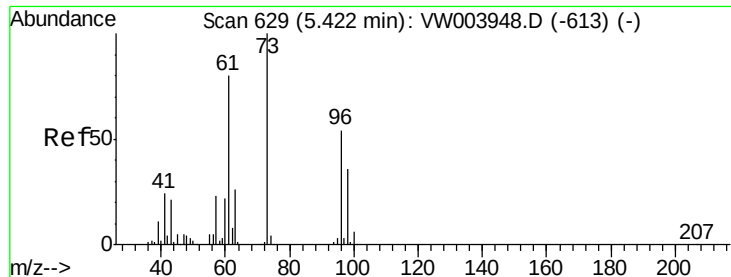
Tot Ion: 76 Resp: 616992
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7



#18
Methyl Acetate
Concen: 78.76 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 43 Resp: 138516
Ion Ratio Lower Upper
43 100
74 22.4 17.7 26.5

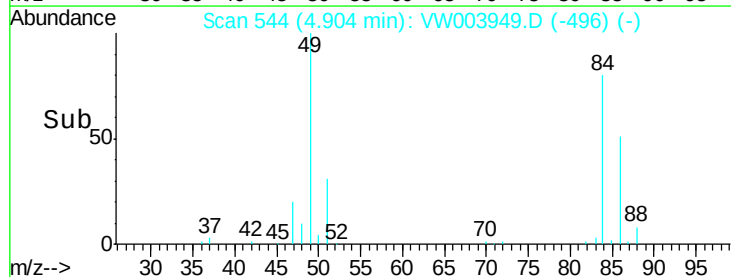
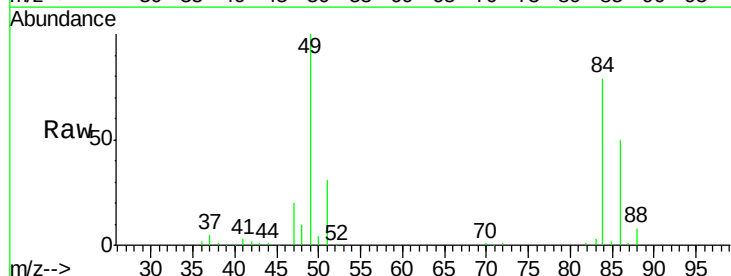
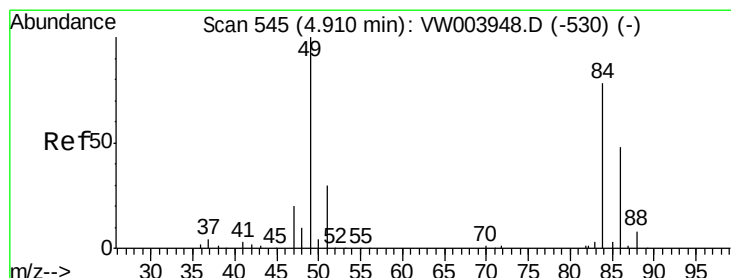
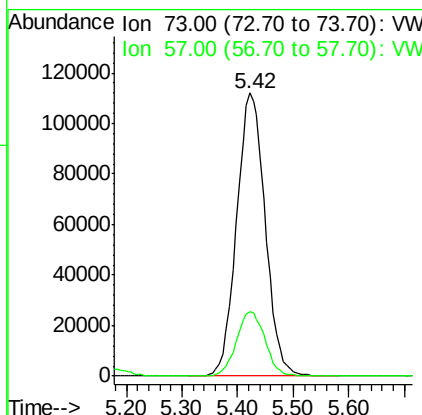




#19
Methyl tert-butyl Ether
Concen: 74.97 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

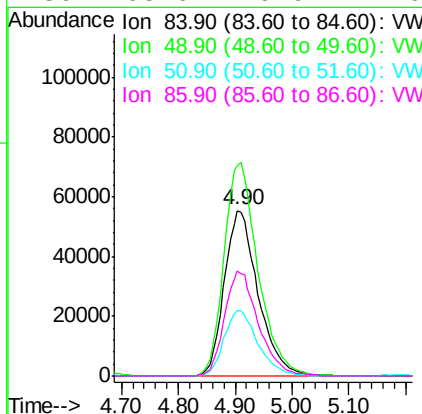
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

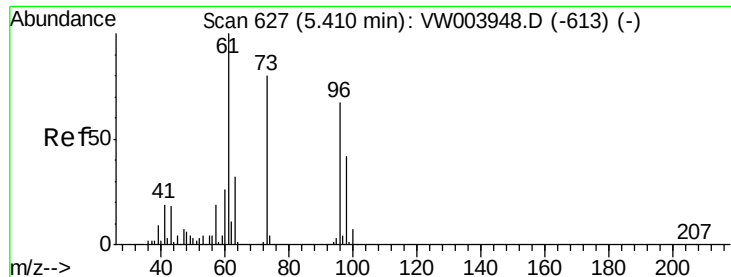
Tot Ion: 73 Resp: 397551
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4



#20
Methylene Chloride
Concen: 48.04 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 84 Resp: 228592
Ion Ratio Lower Upper
84 100
49 127.0 102.9 154.3
51 39.8 30.9 46.3
86 63.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 70.53 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

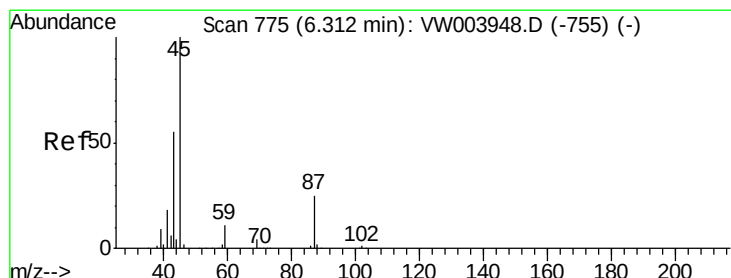
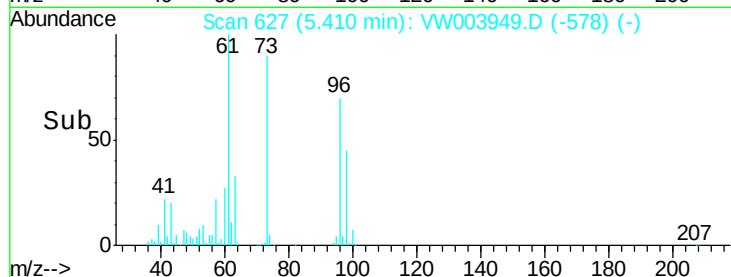
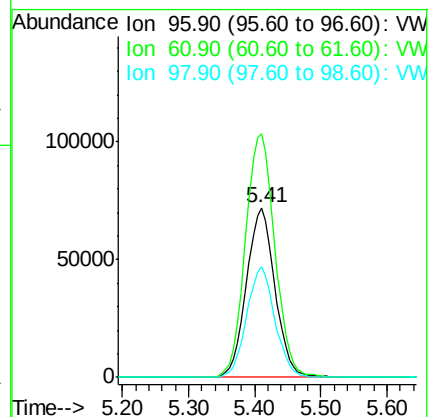
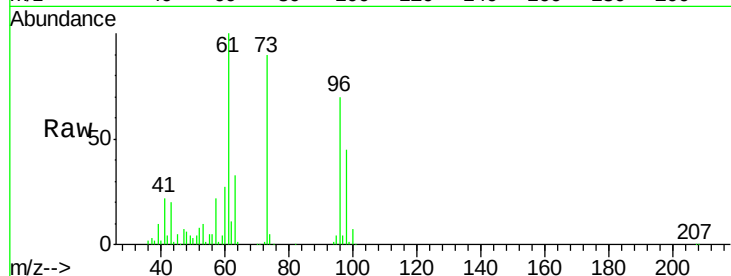
Tot Ion: 96 Resp: 216642

Ion Ratio Lower Upper

96 100

61 143.4 119.0 178.4

98 65.0 49.9 74.9



#22

Diisopropyl ether

Concen: 71.74 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Tgt Ion: 45 Resp: 684463

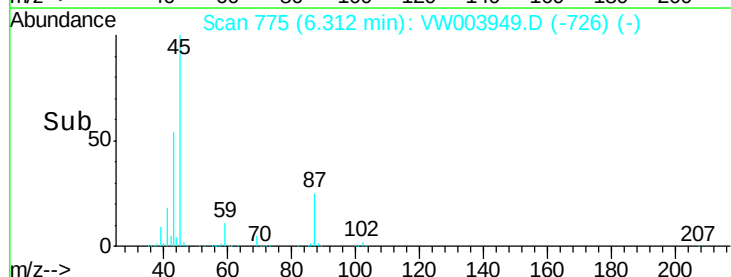
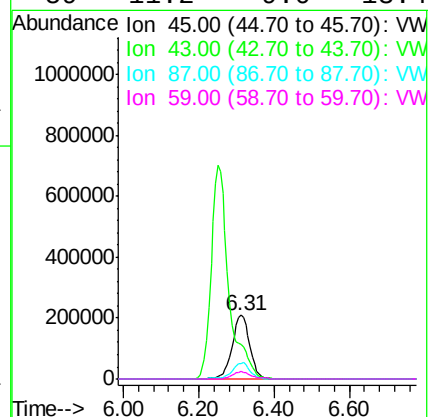
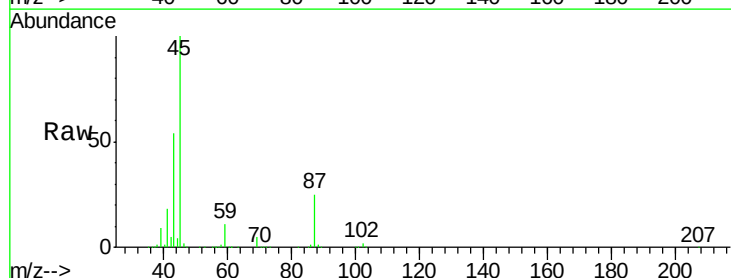
Ion Ratio Lower Upper

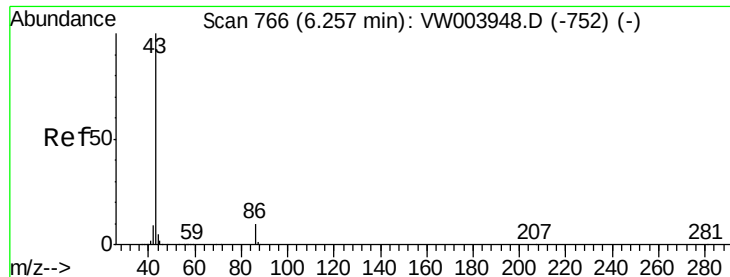
45 100

43 54.0 44.3 66.5

87 24.5 20.2 30.4

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 385.03 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

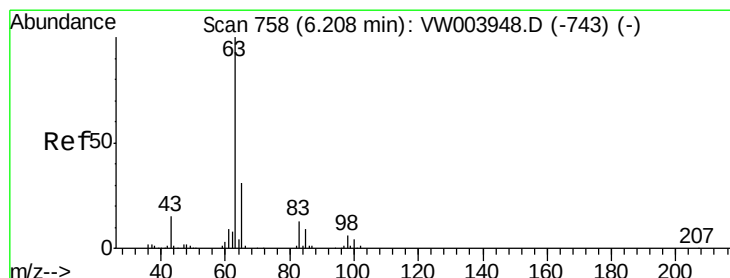
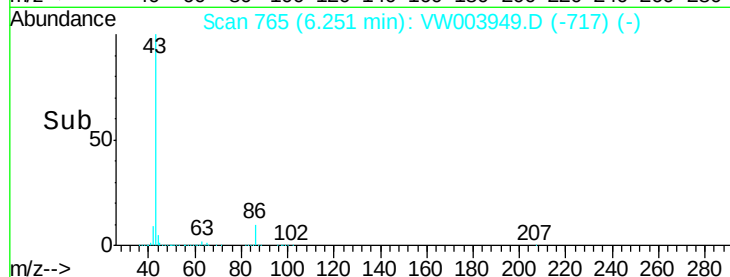
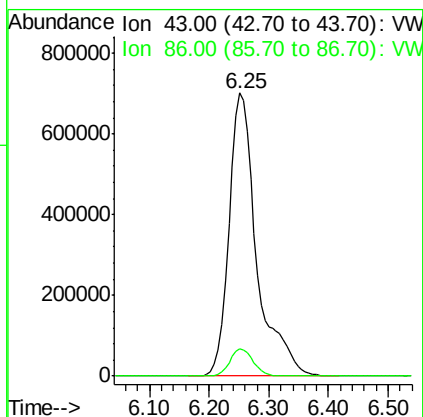
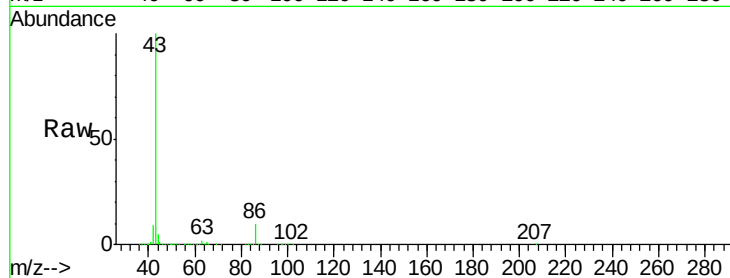
VSTDIC075

Tot Ion: 43 Resp: 2264153

Ion Ratio Lower Upper

43 100

86 9.7 7.6 11.4



#24

1,1-Dichloroethane

Concen: 69.66 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

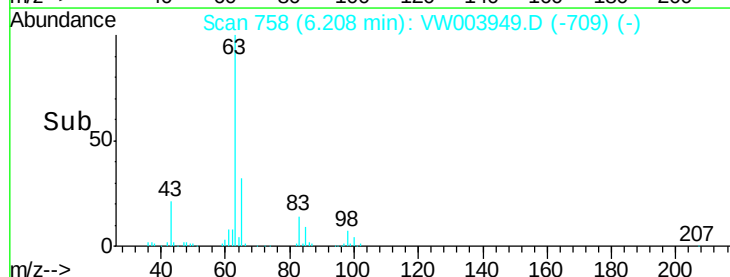
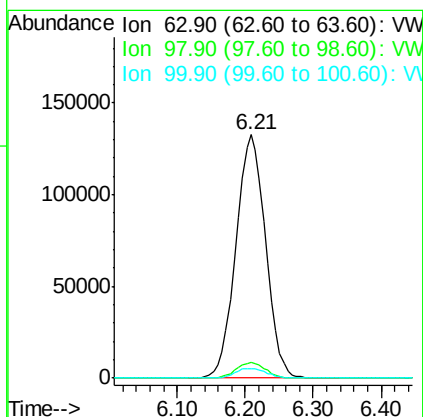
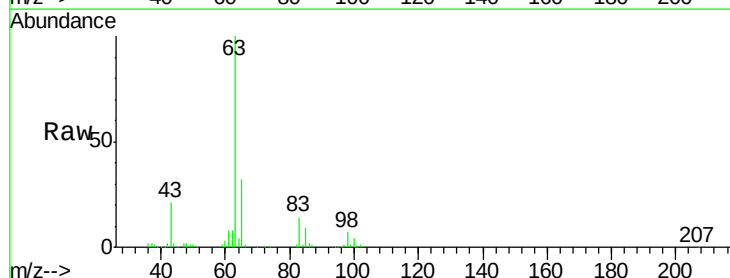
Tgt Ion: 63 Resp: 399902

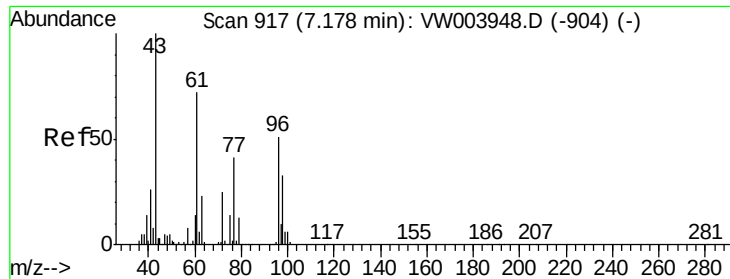
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 3.9 2.1 6.5





#25

2-Butanone

Concen: 400.96 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

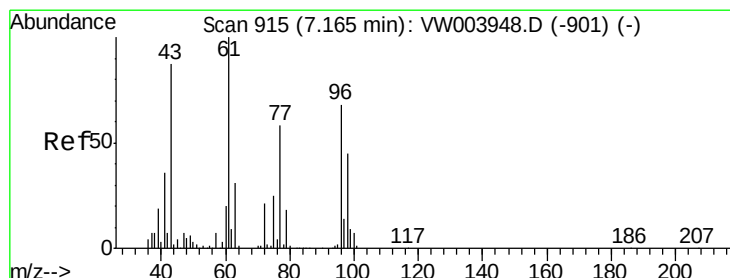
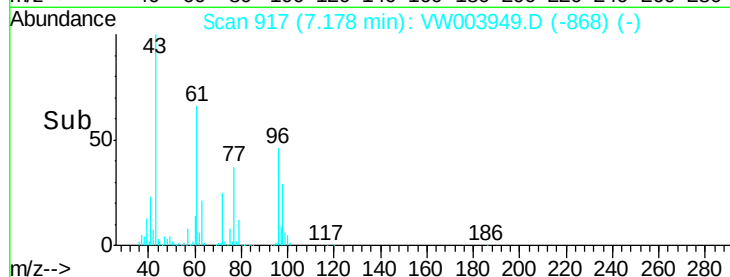
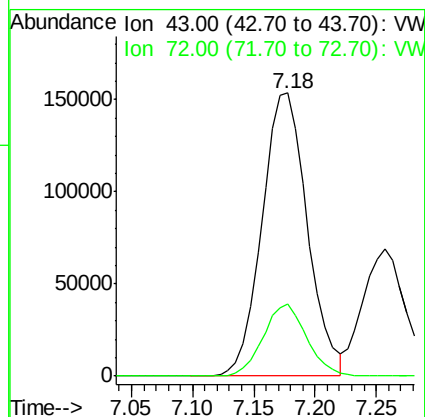
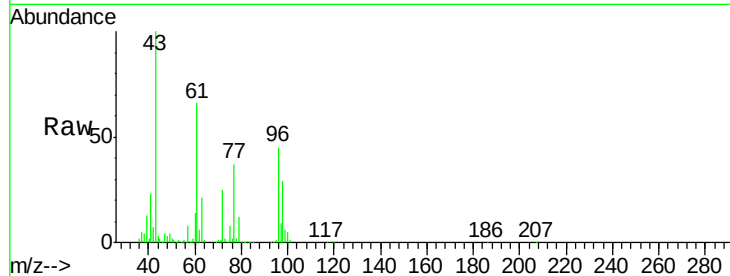
VSTDIC075

Tot Ion: 43 Resp: 396175

Ion Ratio Lower Upper

43 100

72 25.3 19.8 29.6



#26

2,2-Dichloropropane

Concen: 66.86 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003949.D

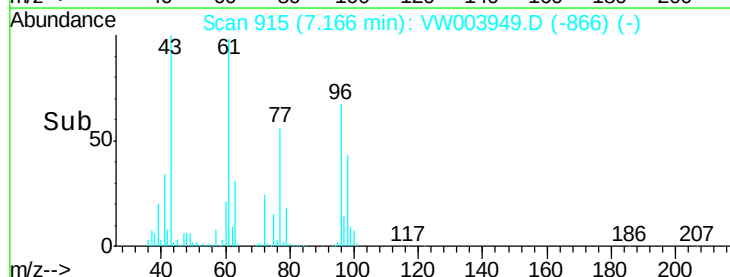
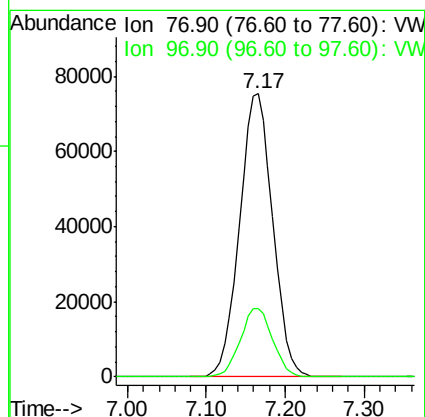
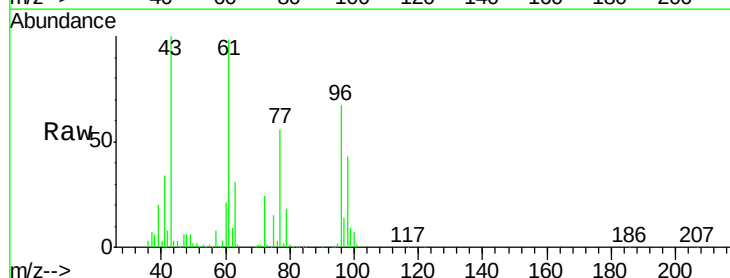
Acq: 16 Jul 2018 13:41

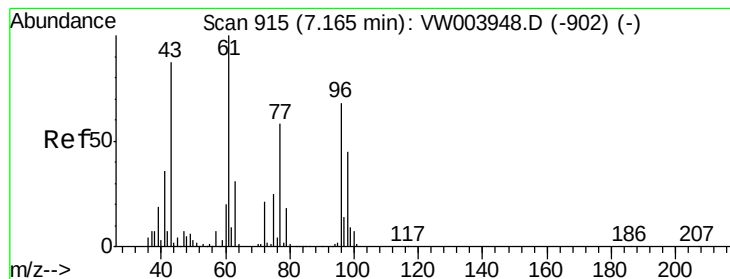
Tgt Ion: 77 Resp: 219713

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 70.83 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

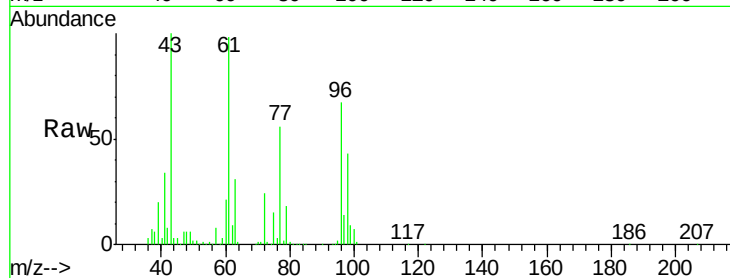
Tot Ion: 96 Resp: 235149

Ion Ratio Lower Upper

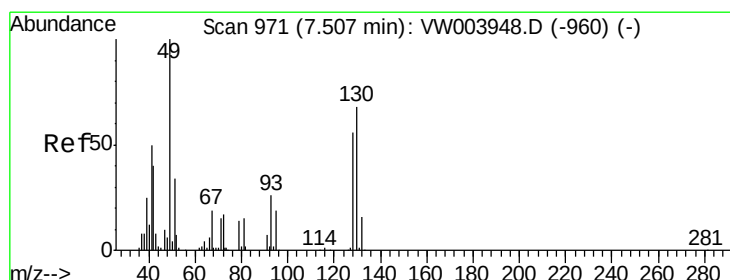
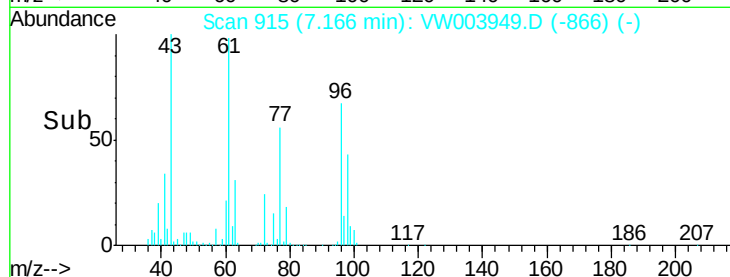
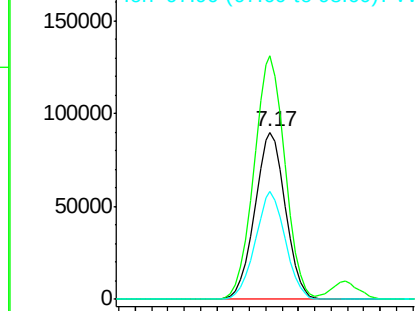
96 100

61 147.6 0.0 298.6

98 63.4 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 63.65 ug/l

RT: 7.51 min Scan# 971

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

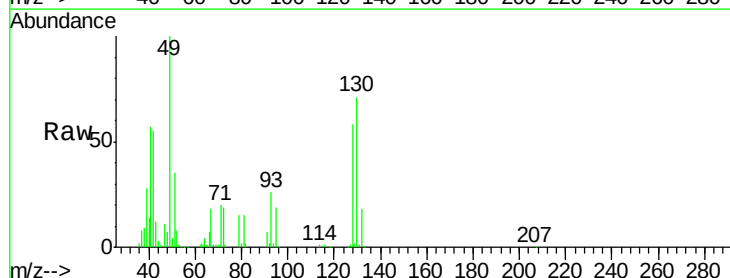
Tgt Ion: 49 Resp: 155696

Ion Ratio Lower Upper

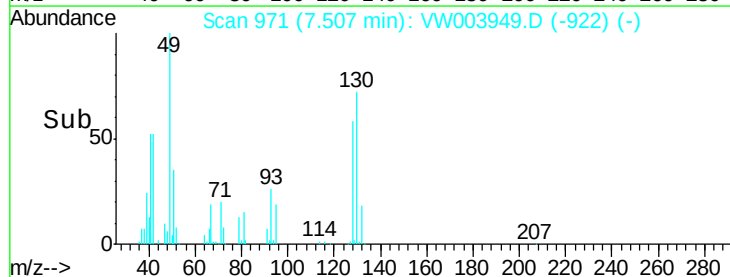
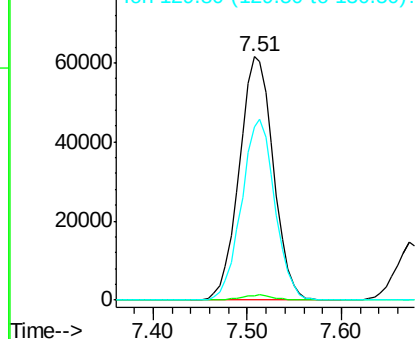
49 100

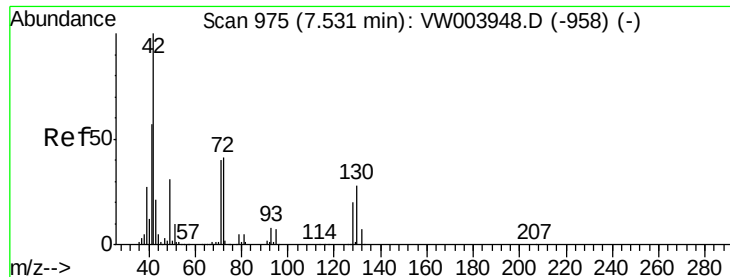
129 1.9 0.0 2.2

130 72.5 58.3 87.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): VW
Ion 129.80 (129.50 to 130.50): VW

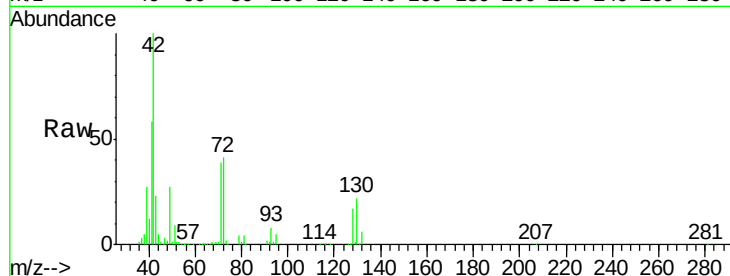




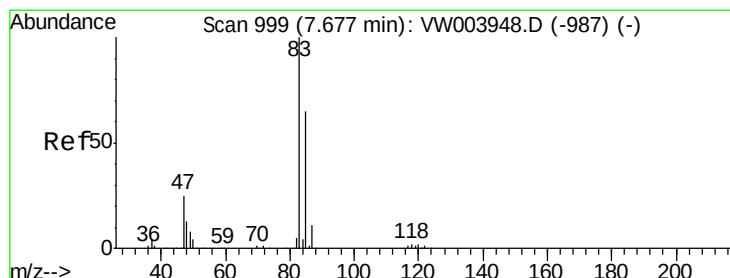
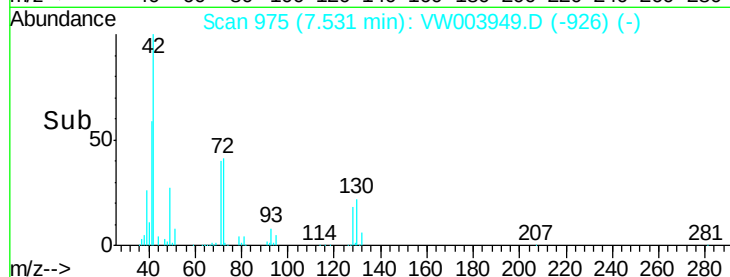
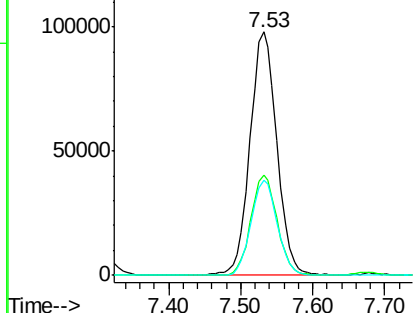
#29
Tetrahydrofuran
Concen: 409.22 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.6	48.8
71	38.3	30.5	45.7

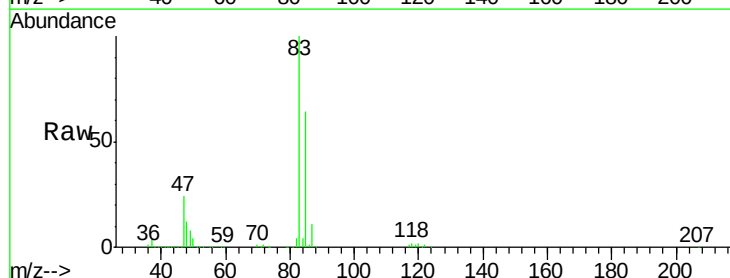


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

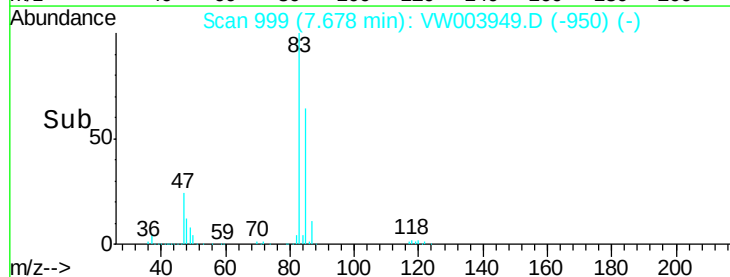
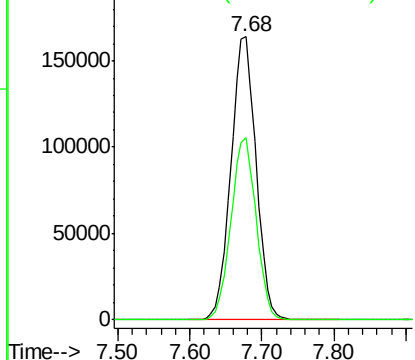


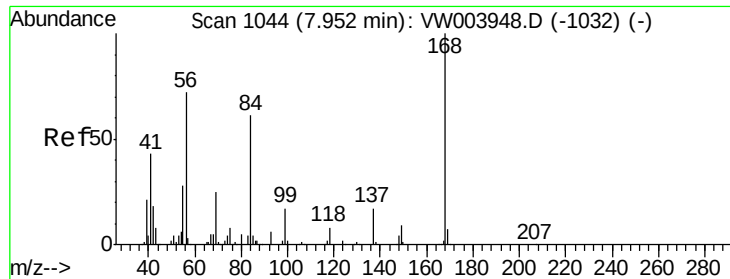
#30
Chloroform
Concen: 69.20 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

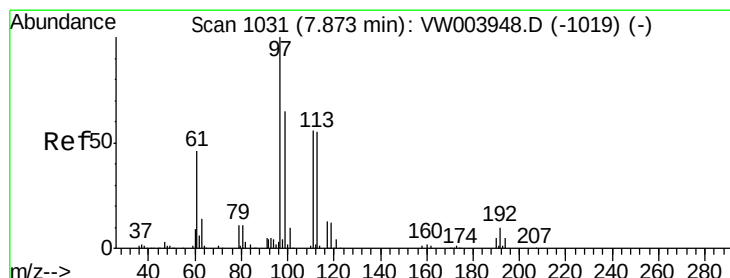
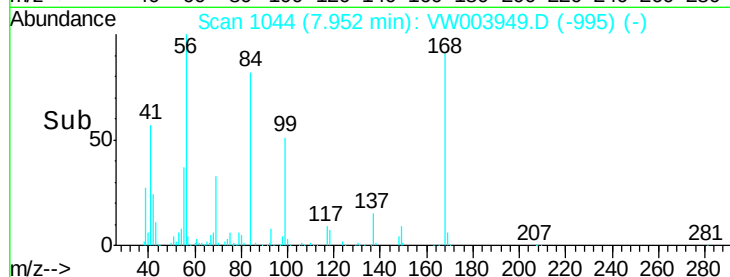
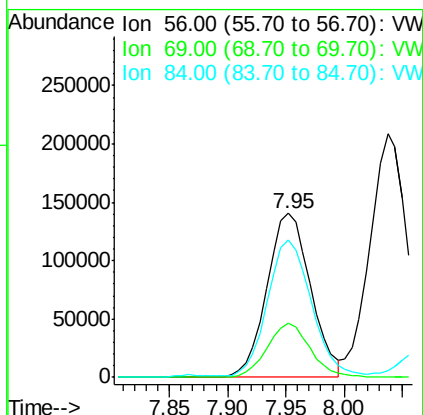
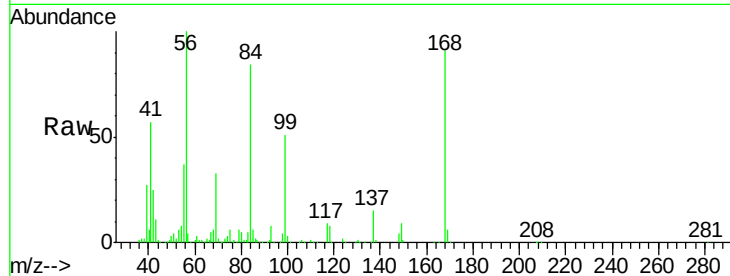




#31
Cyclohexane
Concen: 68.45 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

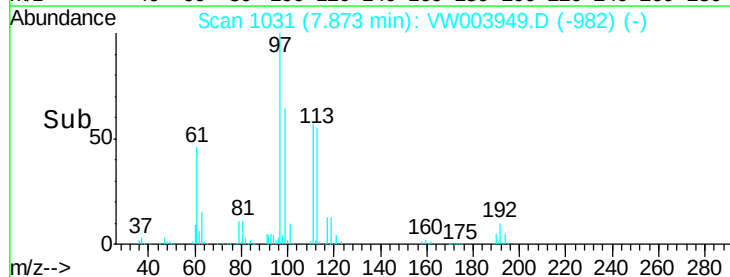
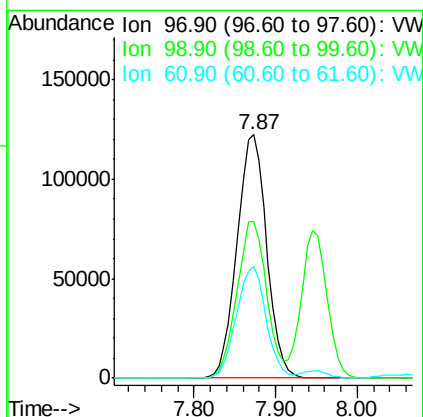
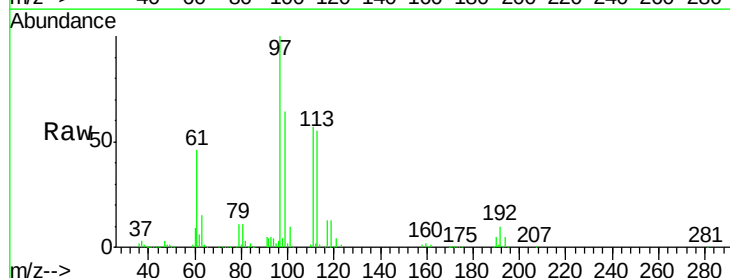
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

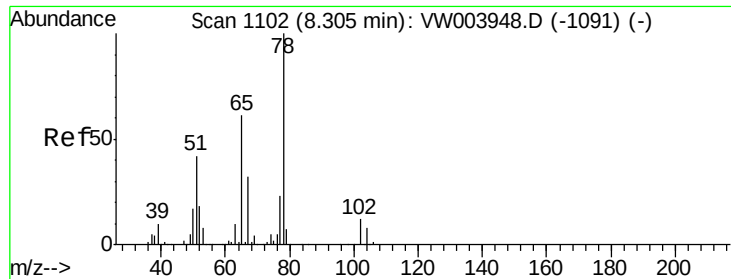
Tot Ion: 56 Resp: 364520
Ion Ratio Lower Upper
56 100
69 32.8 27.8 41.8
84 82.8 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 68.92 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 97 Resp: 308005
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 45.8 36.8 55.2

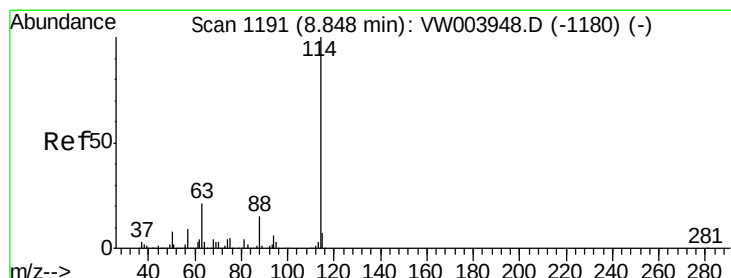
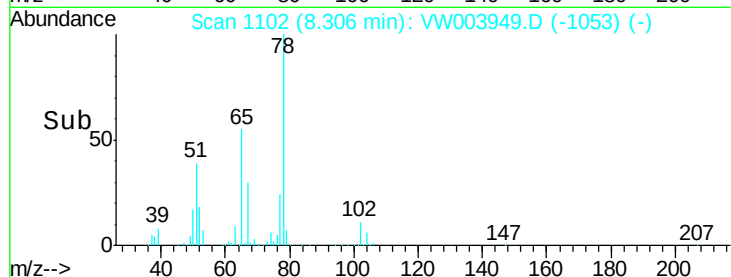
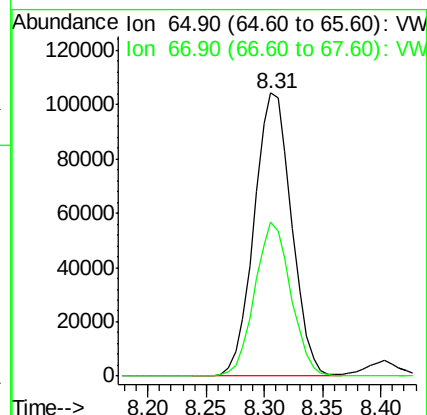
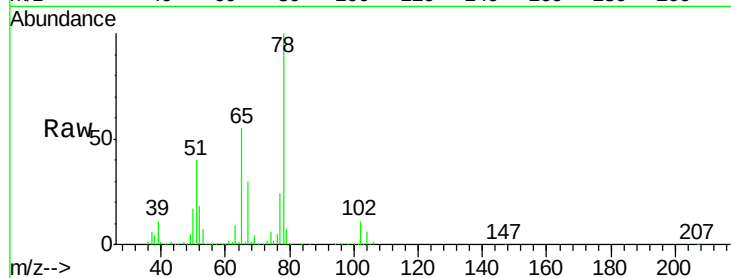




#33
 1,2-Dichloroethane-d4
 Concen: 71.53 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

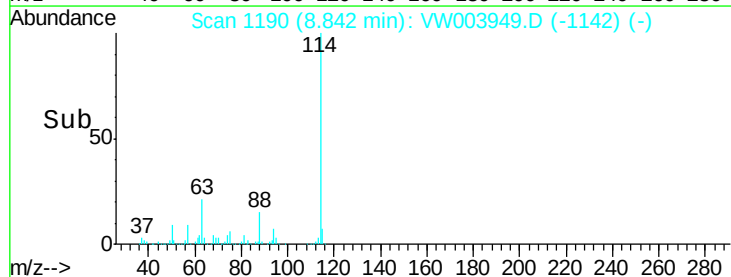
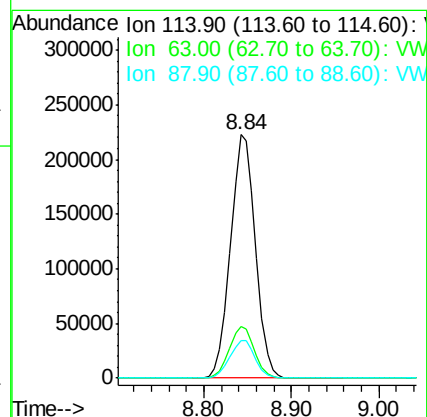
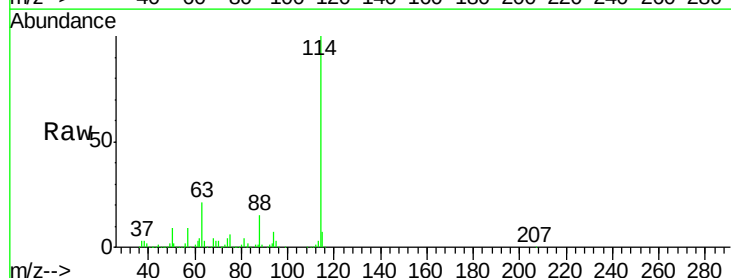
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

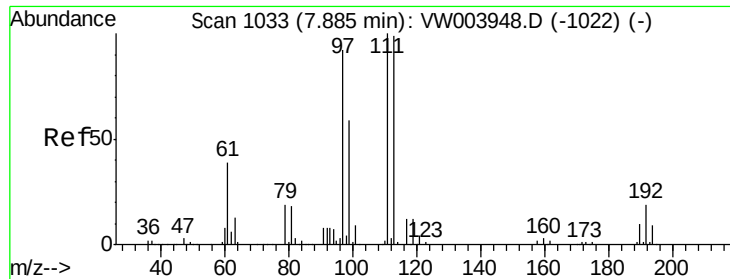
Tot Ion: 65 Resp: 232590
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 114 Resp: 439233
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.8
 88 15.4 0.0 30.4

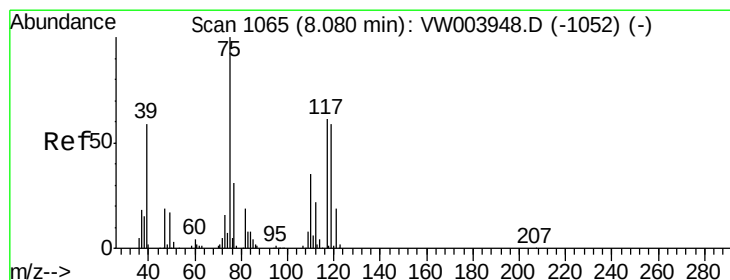
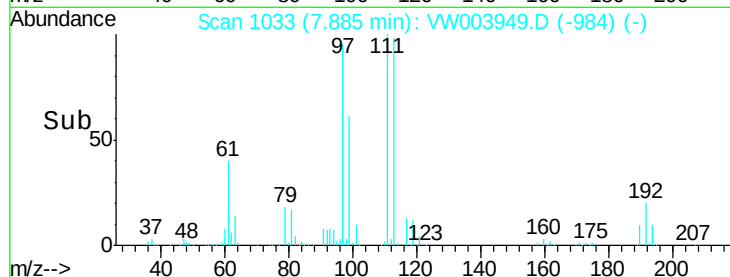
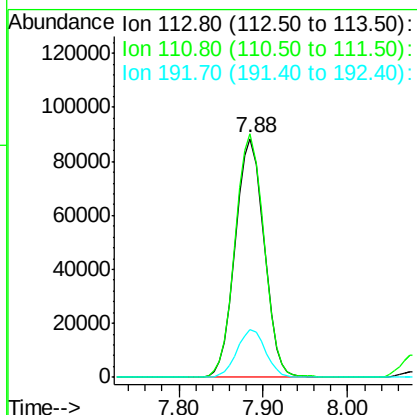
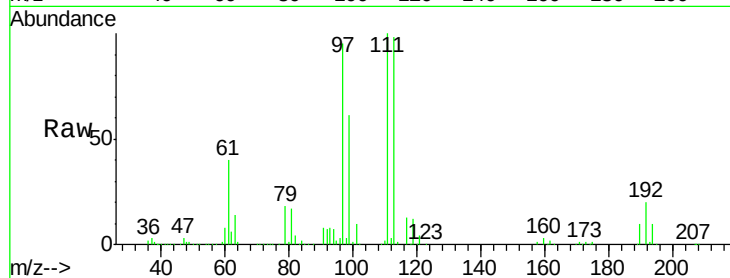




#35
Dibromofluoromethane
Concen: 72.02 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

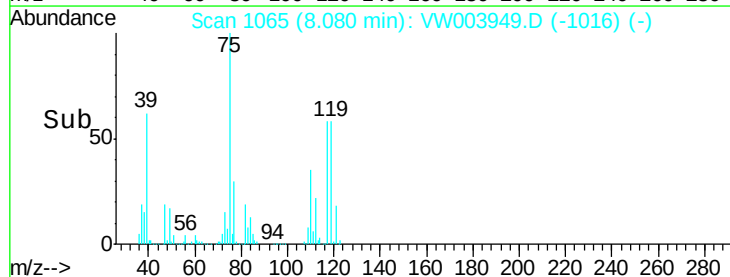
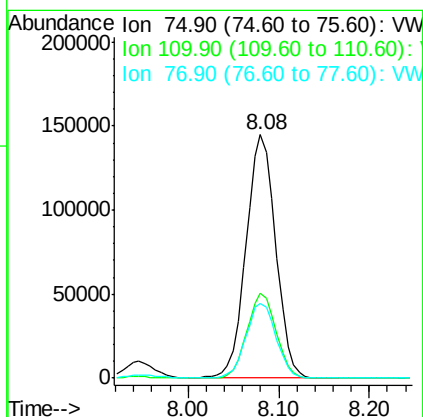
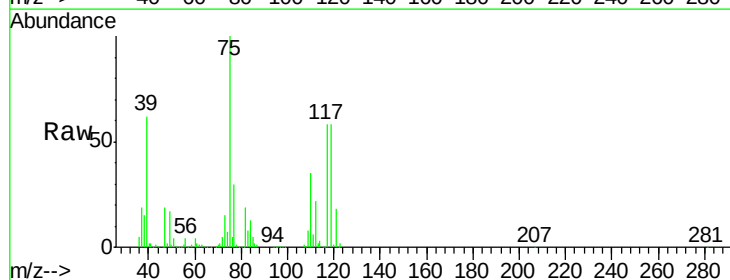
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

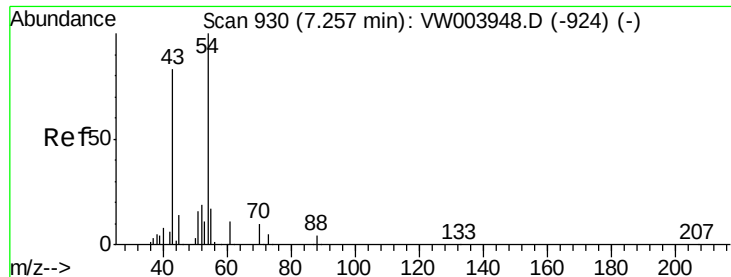
Tot Ion:113 Resp: 204649
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 19.8 15.8 23.6



#36
1,1-Dichloropropene
Concen: 71.84 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 75 Resp: 325773
Ion Ratio Lower Upper
75 100
110 34.3 17.0 51.0
77 31.7 24.9 37.3

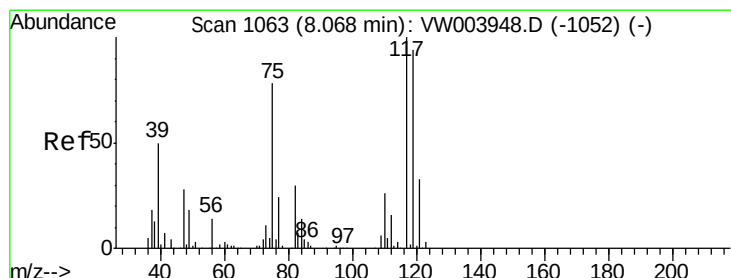
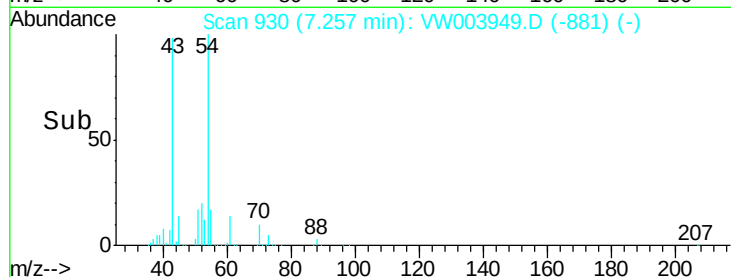
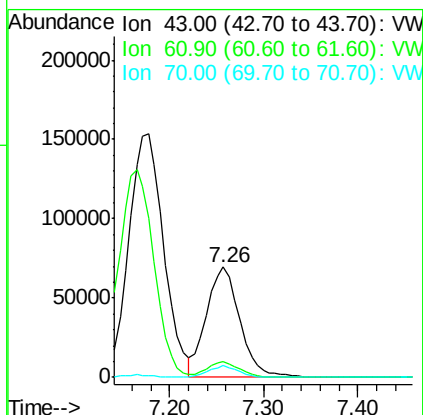
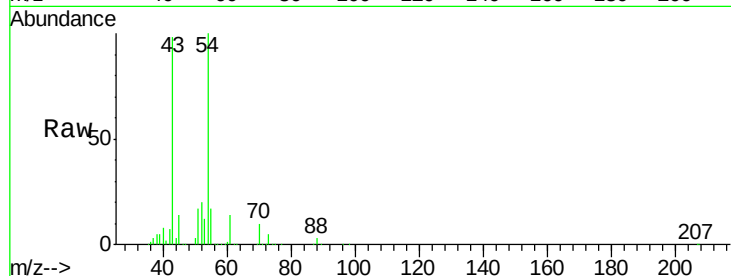




#37
Ethyl Acetate
Concen: 81.41 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

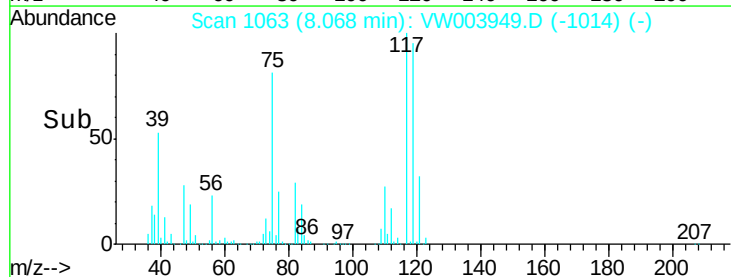
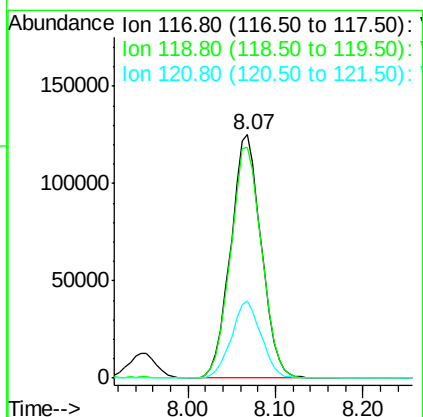
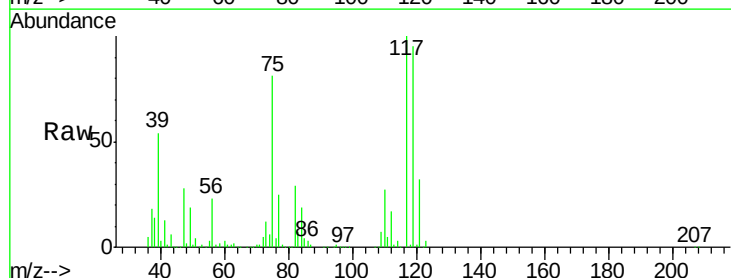
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

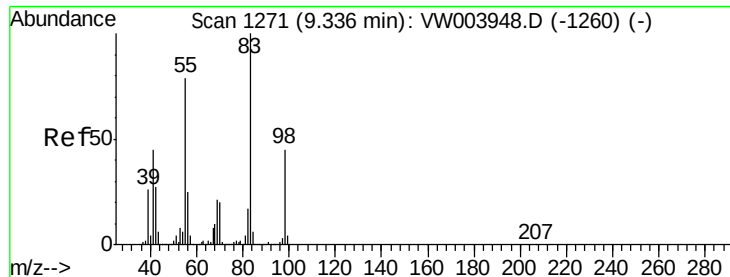
Tot Ion: 43 Resp: 171185
Ion Ratio Lower Upper
43 100
61 13.8 10.7 16.1
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 72.11 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 117 Resp: 304786
Ion Ratio Lower Upper
117 100
119 94.7 75.3 112.9
121 31.6 26.0 39.0

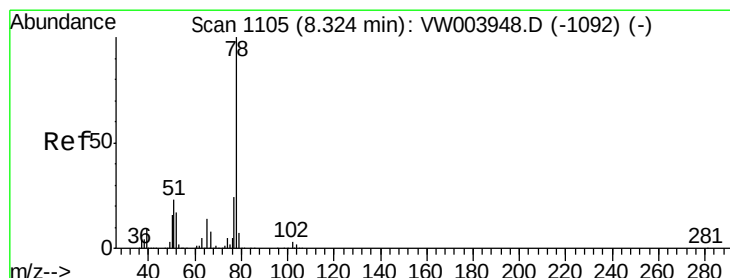
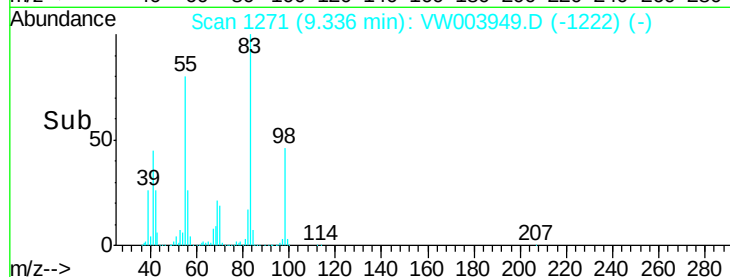
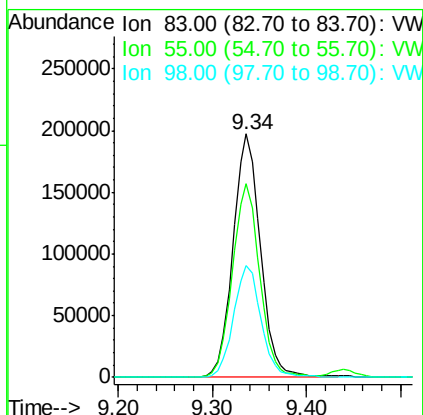
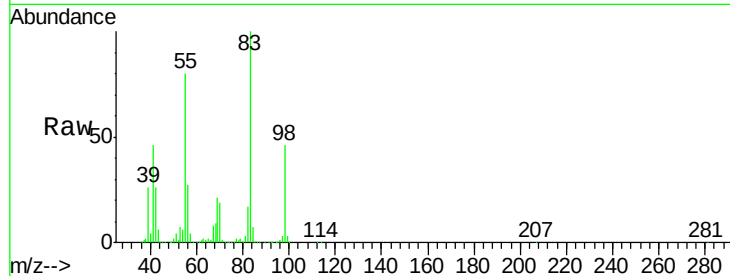




#39
Methylvlcyclohexane
Concen: 76.74 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

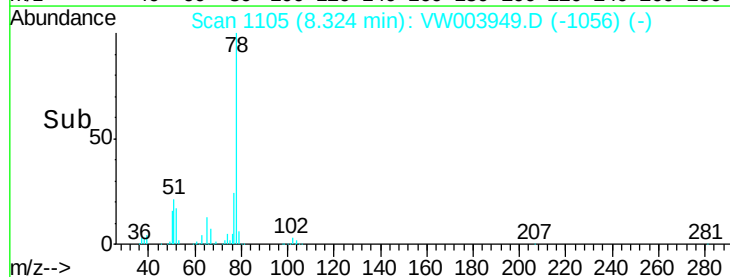
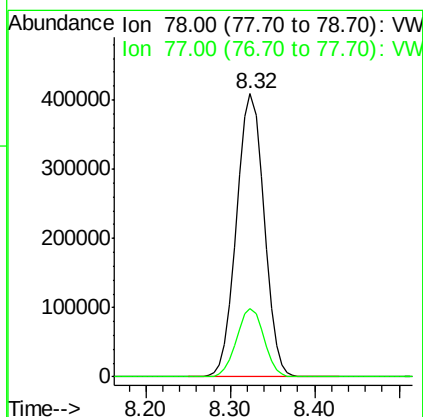
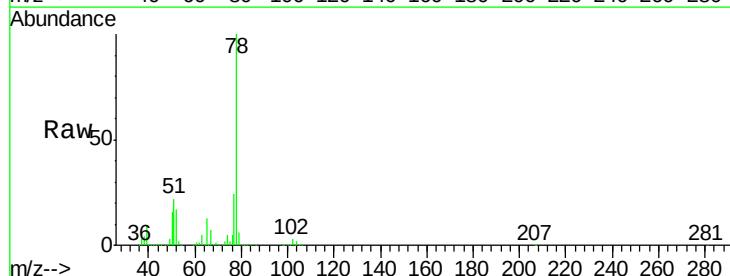
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

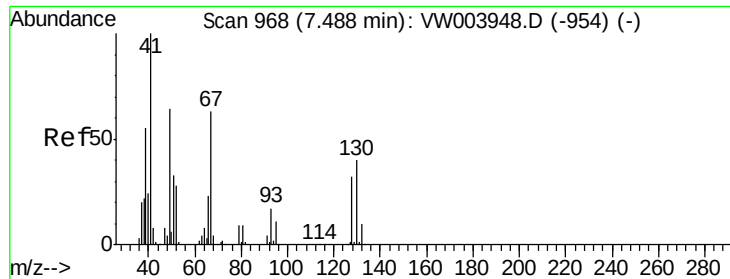
Tot Ion	83	Resp	398955
Ion	Ratio	Lower	Upper
83	100		
55	79.6	62.8	94.2
98	45.8	36.2	54.4



#40
Benzene
Concen: 71.36 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion	78	Resp	903346
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3

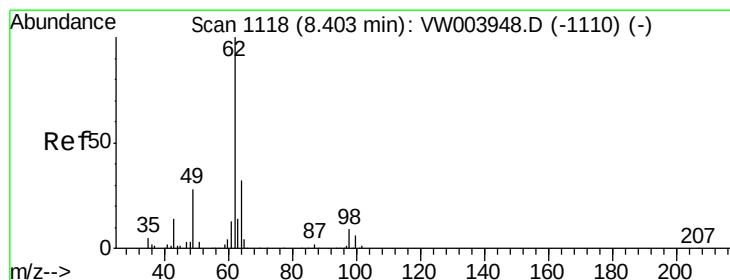
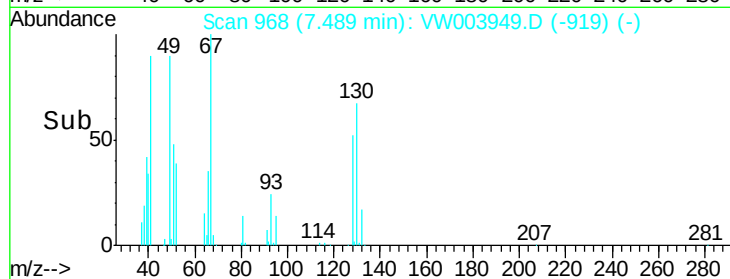
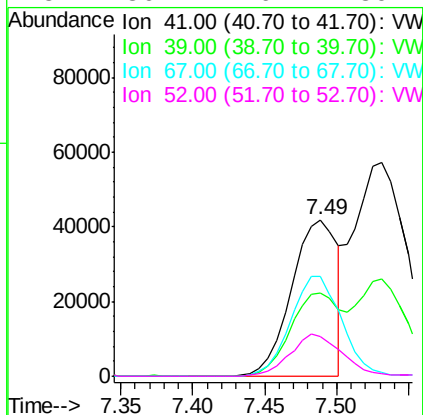
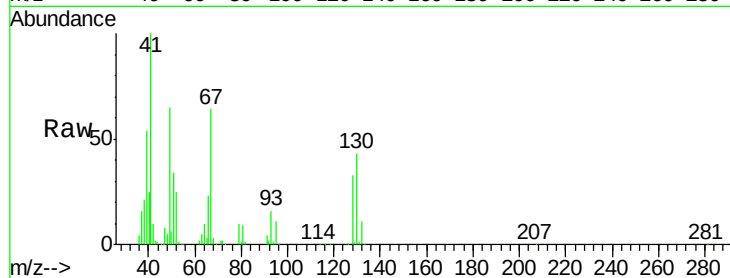




#41
Methacrylonitrile
Concen: 77.91 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

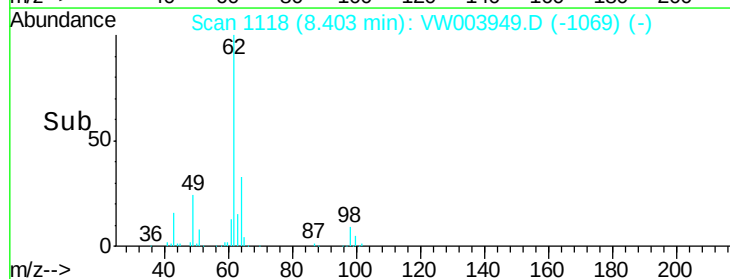
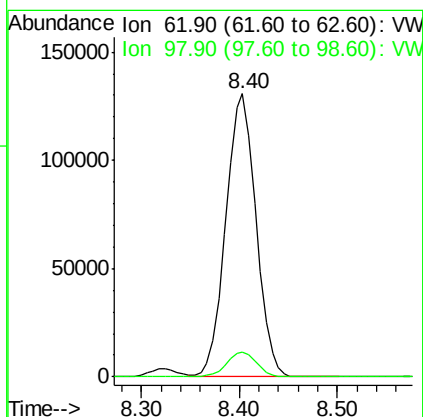
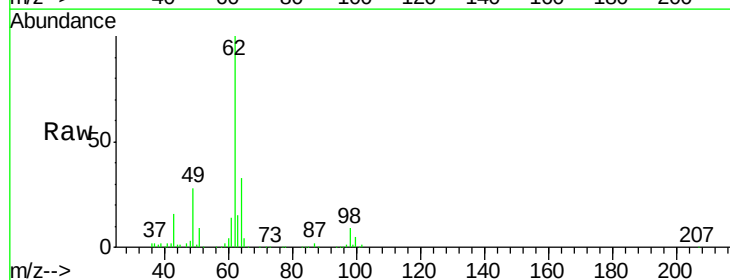
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

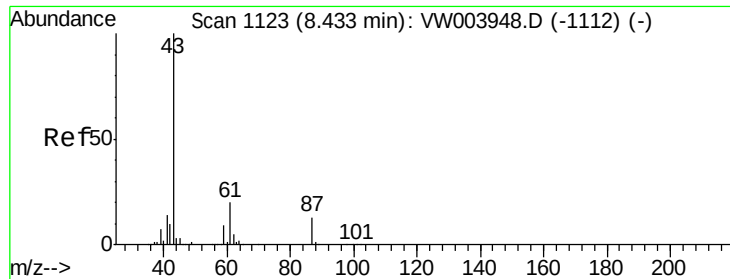
Tot Ion:	41	Resp:	92909
Ion	Ratio	Lower	Upper
41	100		
39	60.1	50.0	75.0
67	71.8	60.8	91.2
52	30.7	26.2	39.4



#42
1,2-Dichloroethane
Concen: 72.49 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion:	62	Resp:	279884
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4





#43

Isopropyl Acetate

Concen: 79.99 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

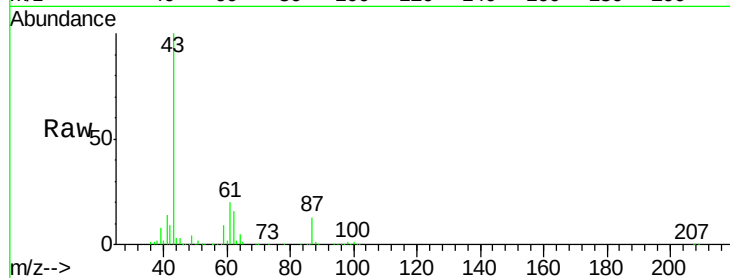
Tot Ion: 43 Resp: 317049

Ion Ratio Lower Upper

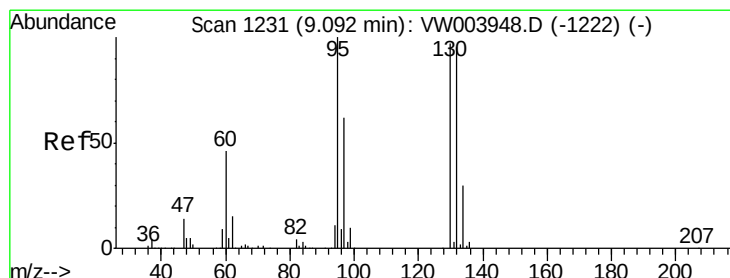
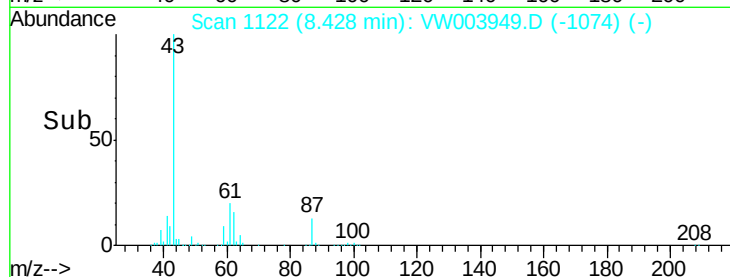
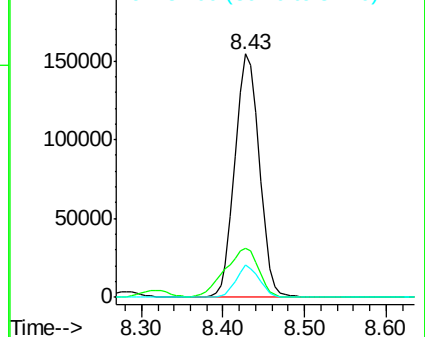
43 100

61 28.1 23.0 34.6

87 12.5 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 72.53 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW003949.D

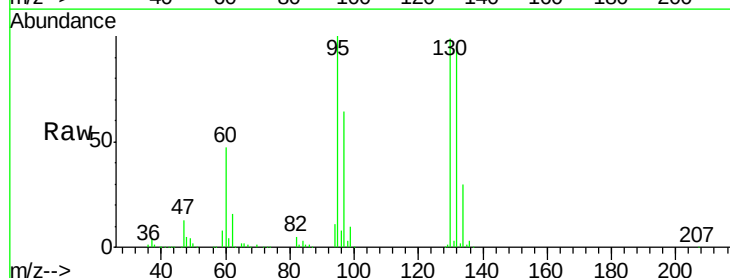
Acq: 16 Jul 2018 13:41

Tgt Ion: 130 Resp: 235130

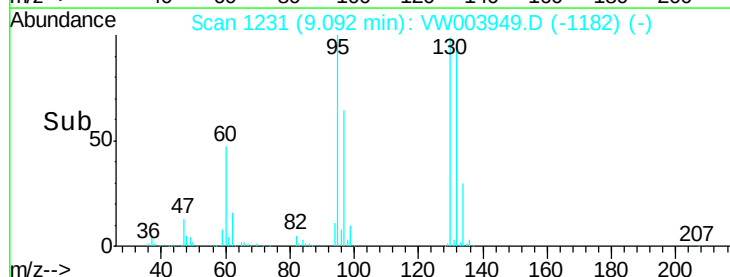
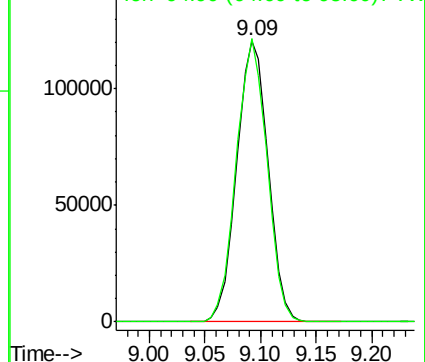
Ion Ratio Lower Upper

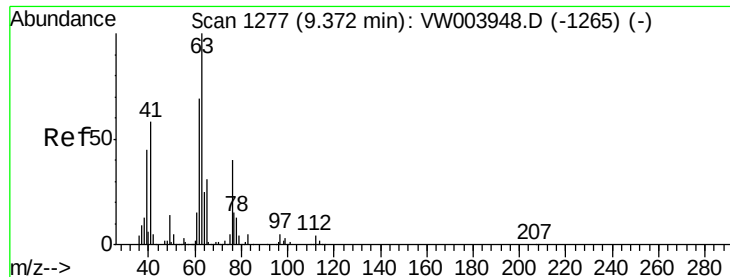
130 100

95 100.6 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50):
Ion 94.90 (94.60 to 95.60): VW

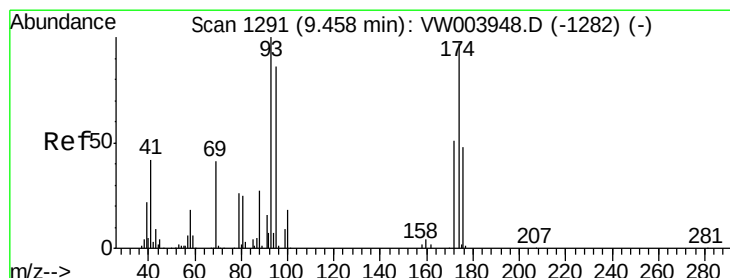
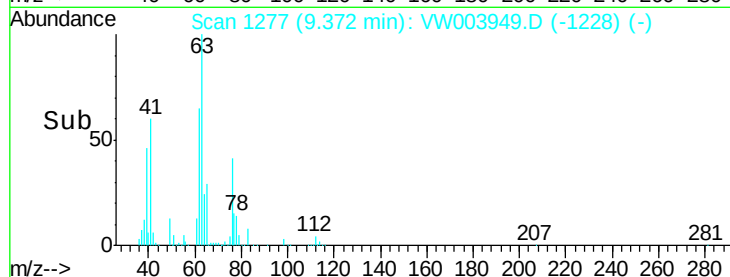
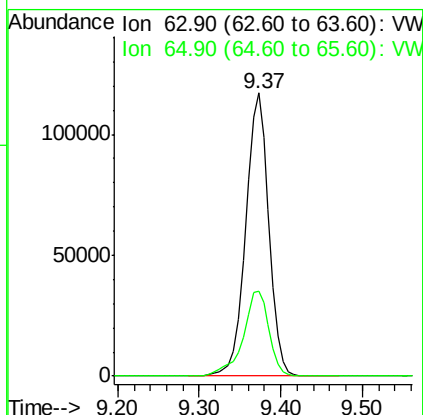
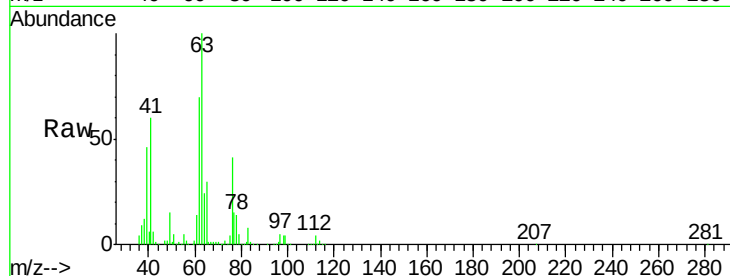




#45
 1,2-Dichloropropane
 Concen: 71.01 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

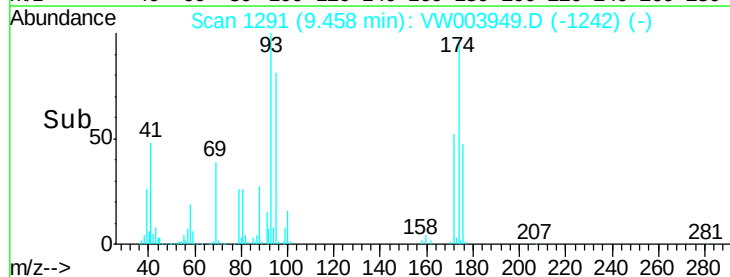
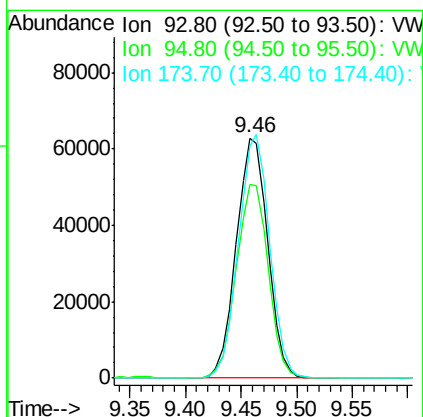
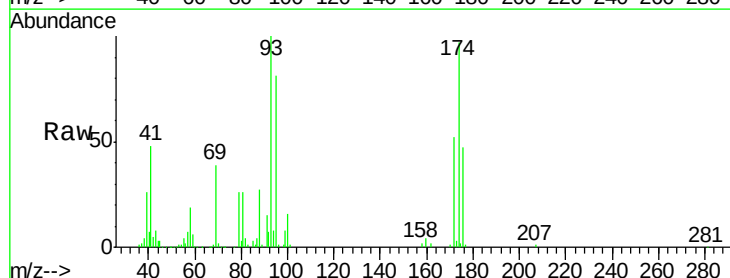
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

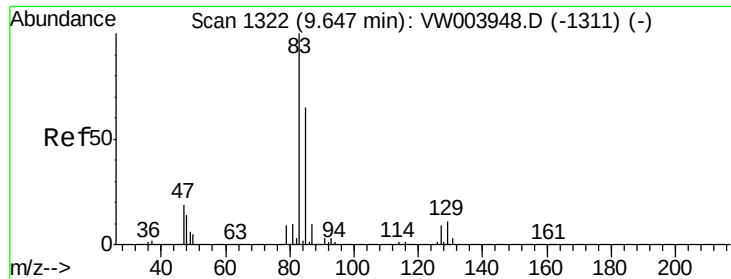
Tot Ion: 63 Resp: 229931
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.8 37.2



#46
 Dibromomethane
 Concen: 74.38 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 93 Resp: 123355
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.9 100.3
 174 100.4 80.2 120.2

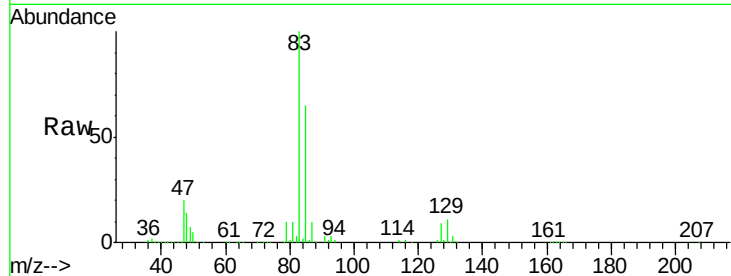




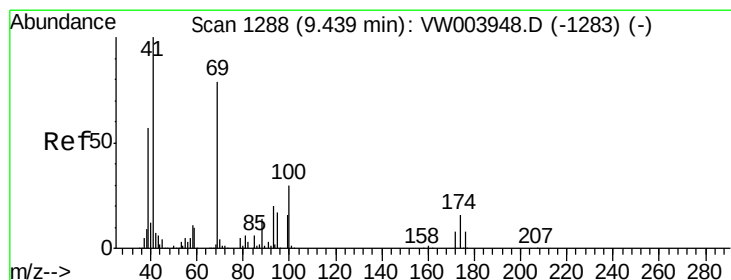
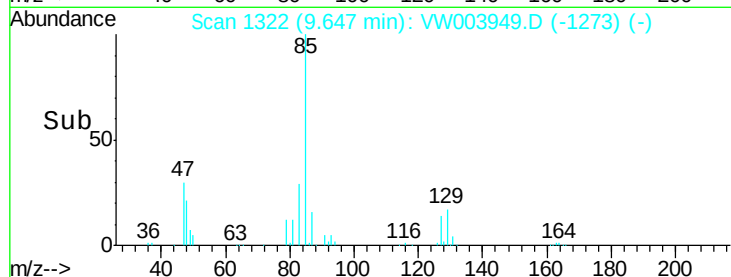
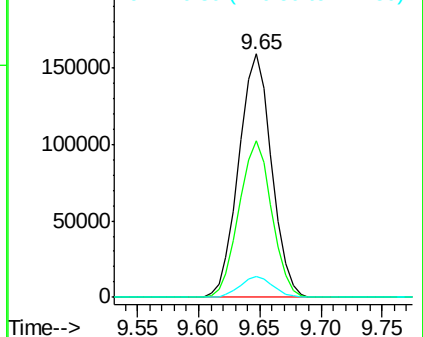
#47
 Bromodichloromethane
 Concen: 72.08 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion: 83 Resp: 297355
 Ion Ratio Lower Upper
 83 100
 85 64.5 52.2 78.2
 127 8.8 7.0 10.4

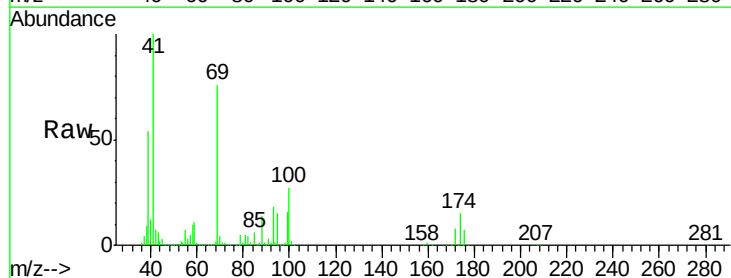


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50):

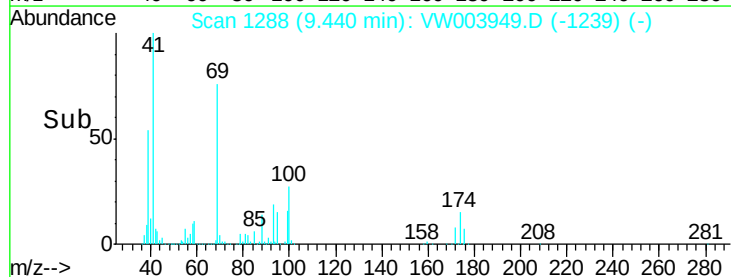
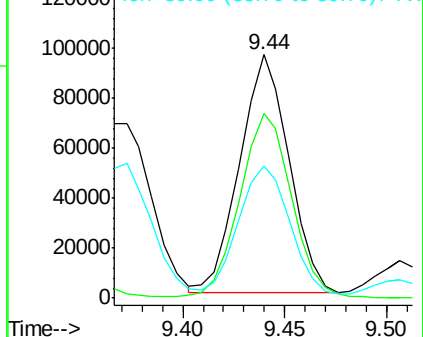


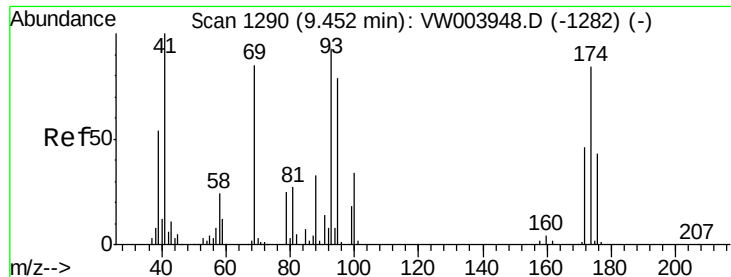
#48
 Methyl methacrylate
 Concen: 83.54 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 41 Resp: 159087
 Ion Ratio Lower Upper
 41 100
 69 82.4 67.0 100.6
 39 59.4 48.8 73.2



Abundance Ion 41.00 (40.70 to 41.70): VW
 Ion 69.00 (68.70 to 69.70): VW
 Ion 39.00 (38.70 to 39.70): VW

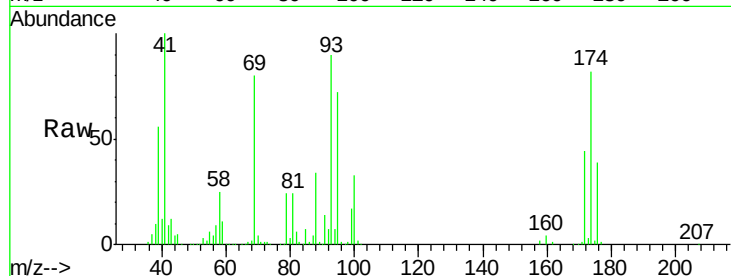




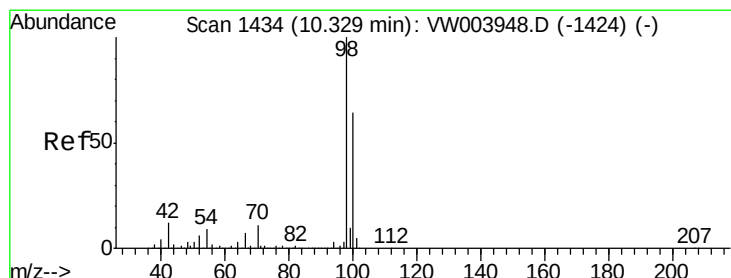
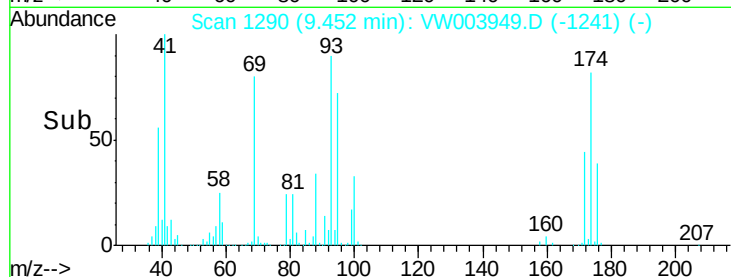
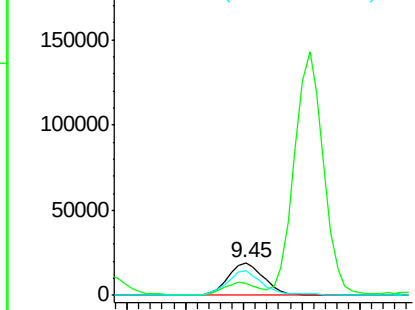
#49
1,4-Dioxane
Concen: 1640.40 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 41100
Ion Ratio Lower Upper
88 100
43 35.9 27.3 40.9
58 76.5 61.1 91.7

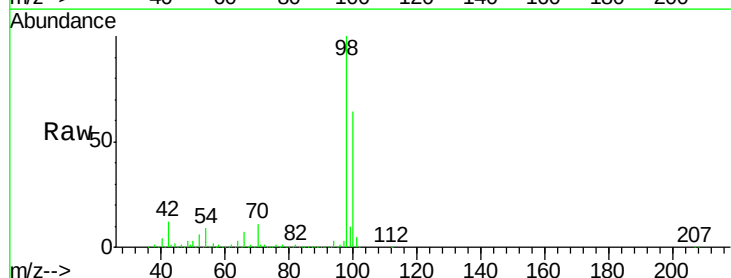


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

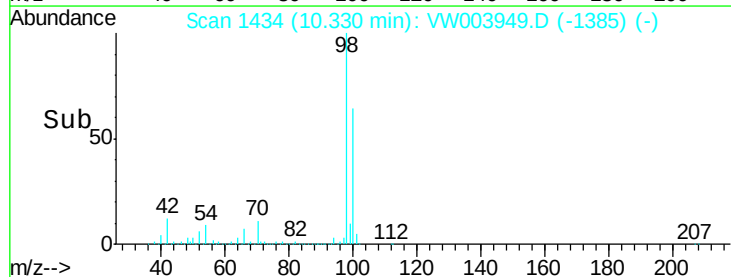
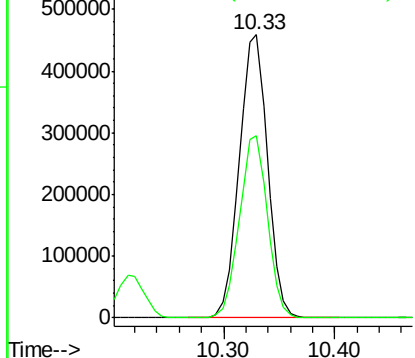


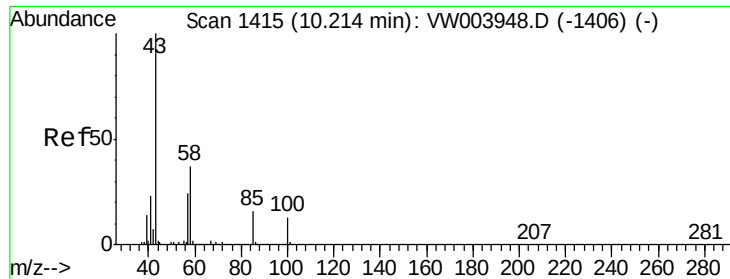
#50
Toluene-d8
Concen: 72.66 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 98 Resp: 805754
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

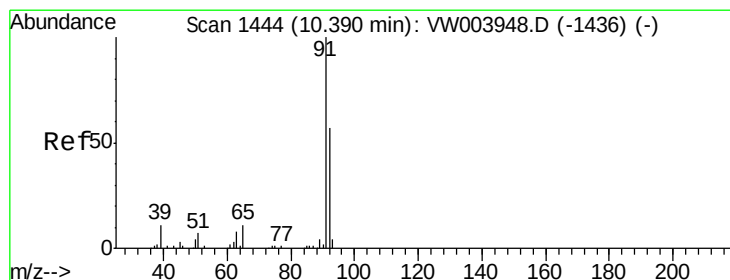
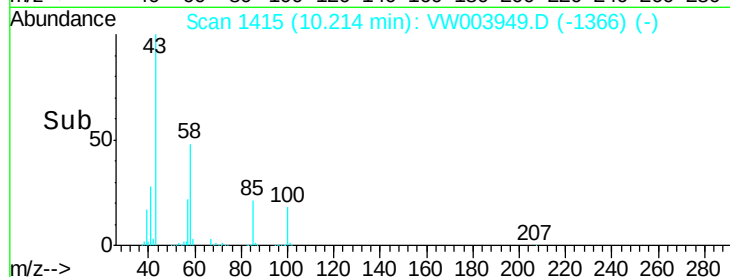
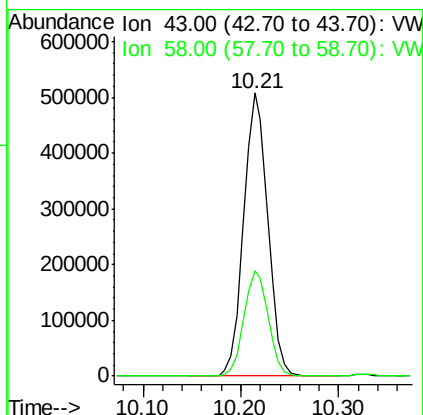
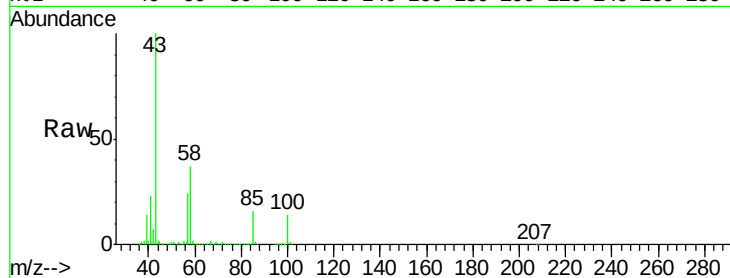




#51
 4-Methyl-2-Pentanone
 Concen: 410.25 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

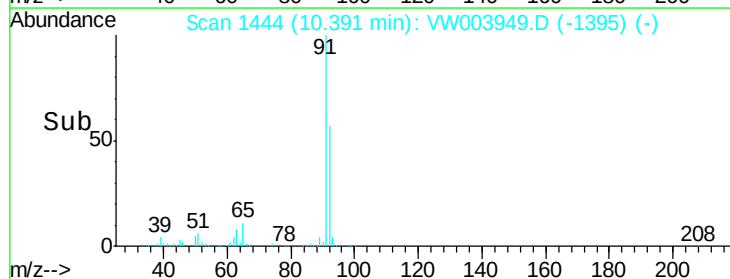
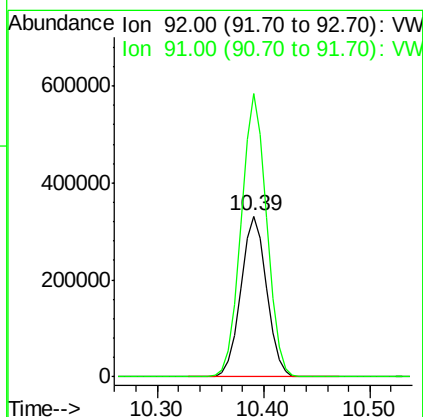
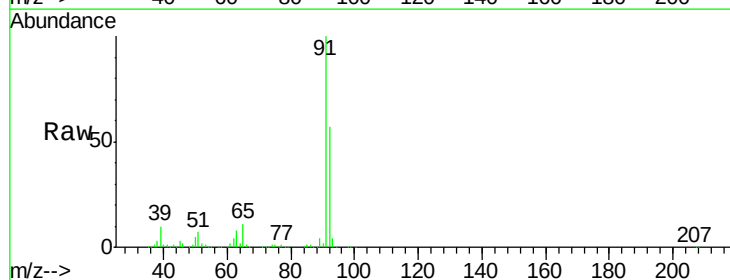
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC075

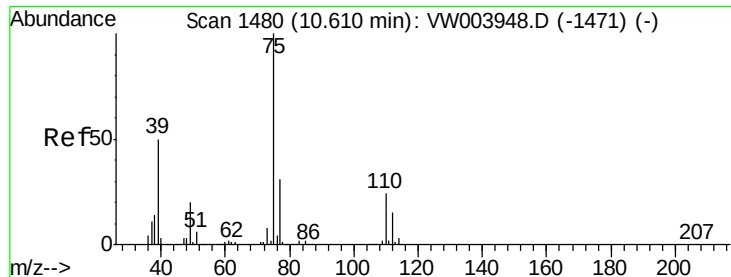
Tot Ion: 43 Resp: 864900
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.9 44.9



#52
 Toluene
 Concen: 71.57 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 92 Resp: 563313
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 75.44 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

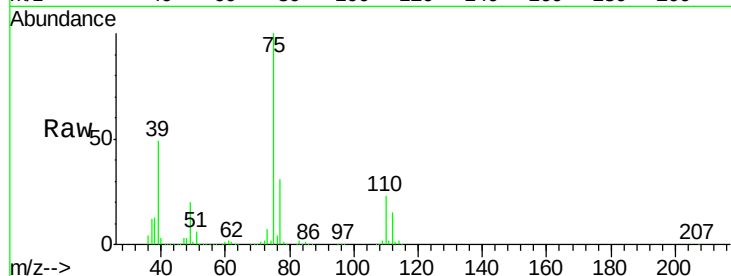
VSTDIC075

Tot Ion: 75 Resp: 321112

Ion Ratio Lower Upper

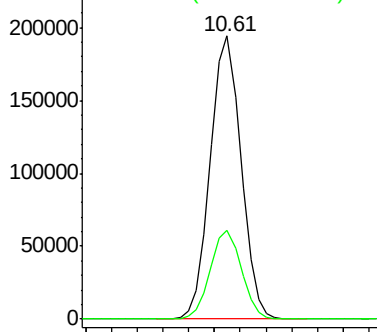
75 100

77 31.3 25.2 37.8

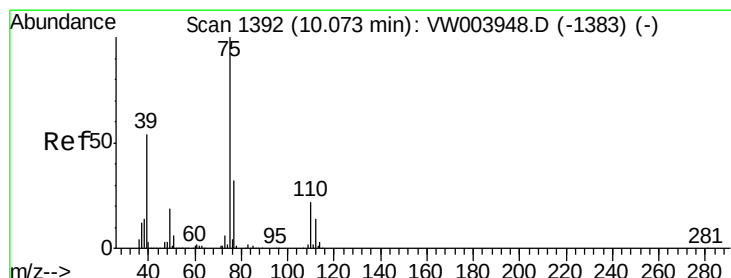
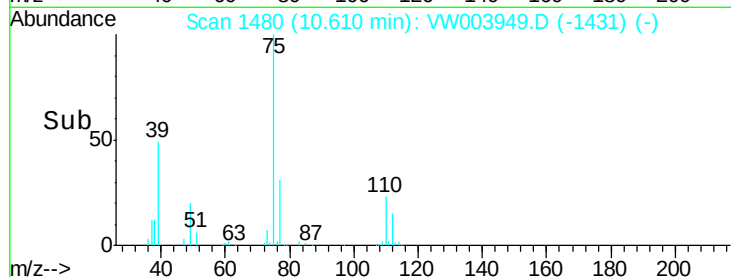


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 74.08 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

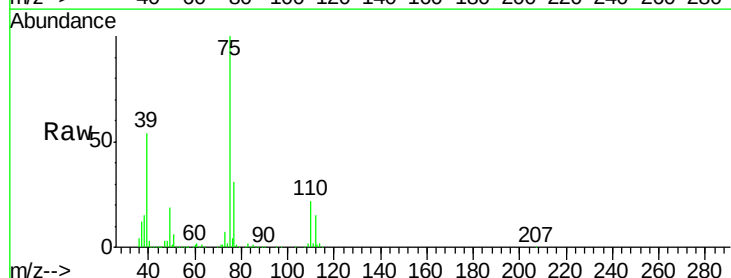
Tgt Ion: 75 Resp: 361546

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

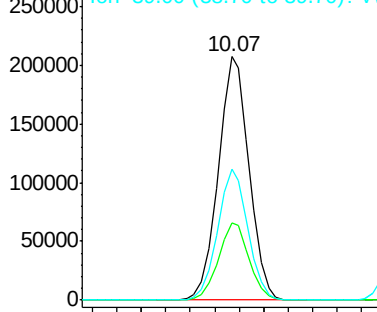
39 53.7 43.0 64.6



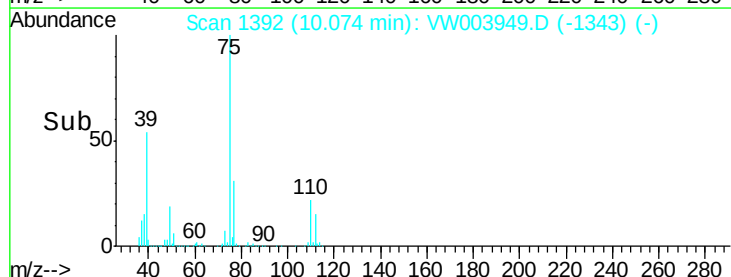
Abundance Ion 74.90 (74.60 to 75.60): VW

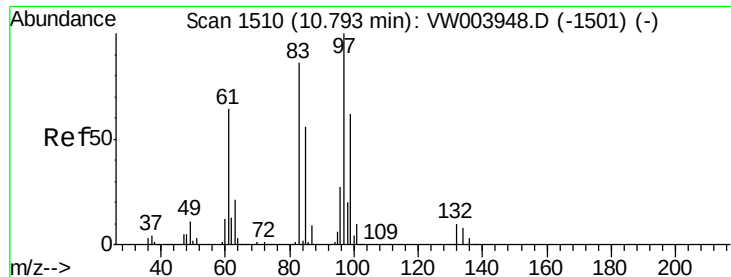
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time--> 10.00 10.10



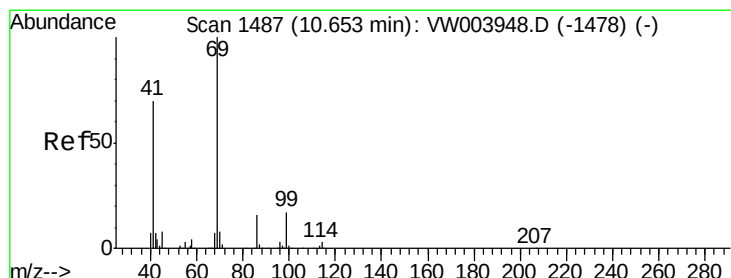
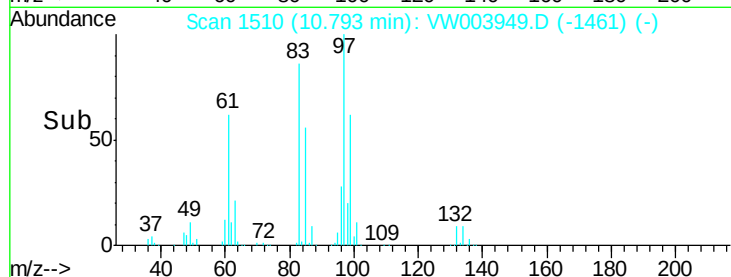
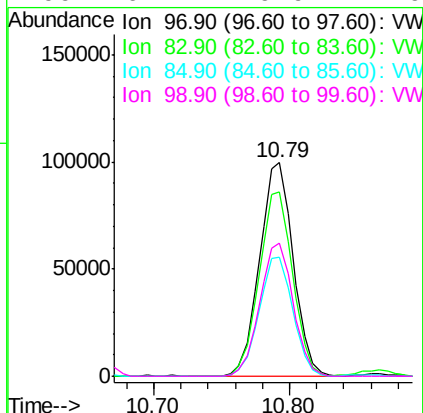
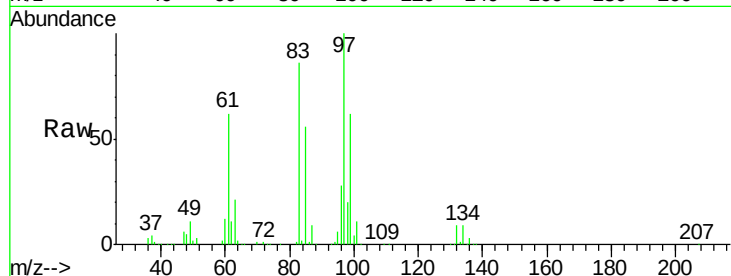


#55
 1,1,2-Trichloroethane
 Concen: 73.58 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion: 97 Resp: 172684

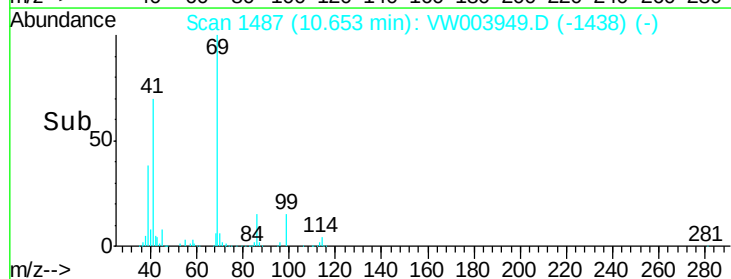
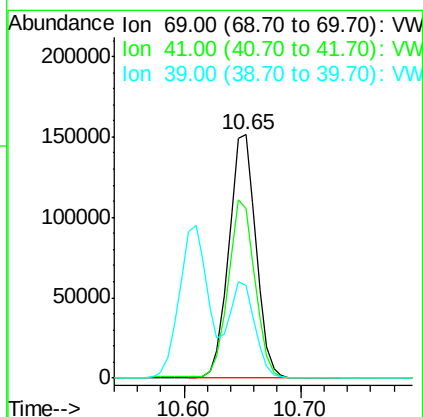
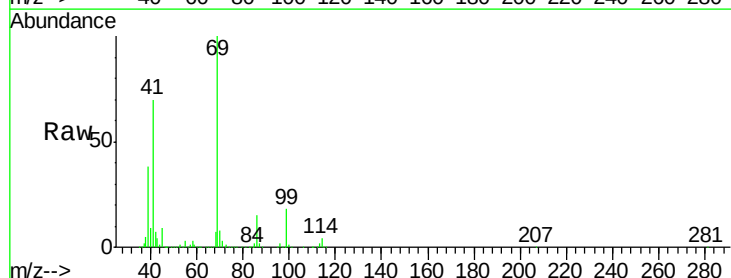
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.0	103.4
85	55.8	45.0	67.6
99	62.1	49.9	74.9

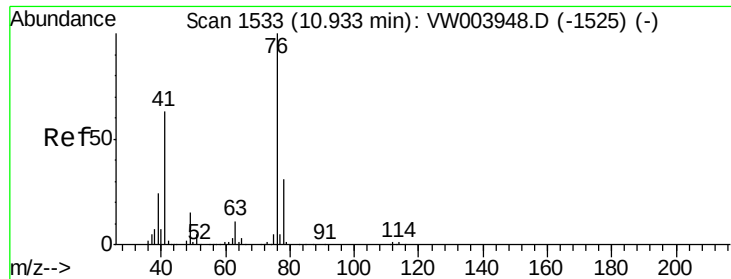


#56
 Ethyl methacrylate
 Concen: 82.69 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 69 Resp: 245007

Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.5	84.7
39	38.2	30.2	45.4

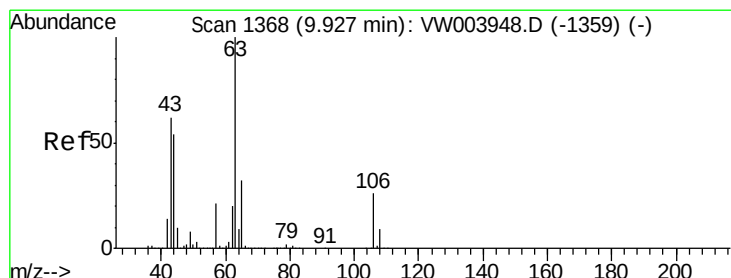
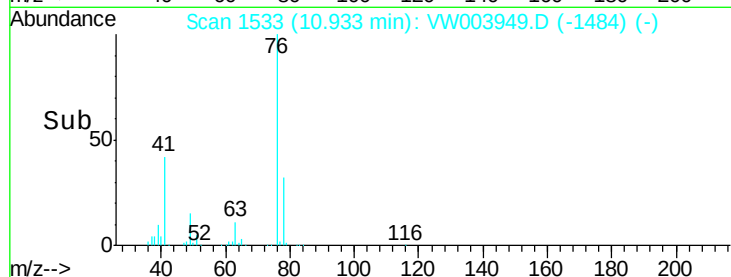
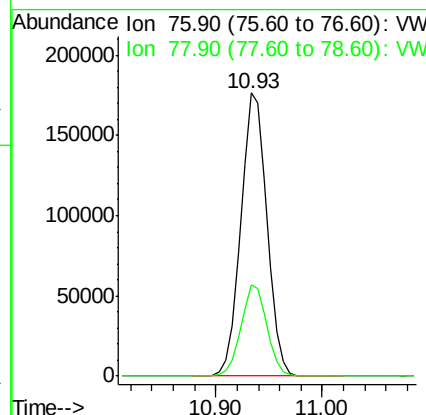
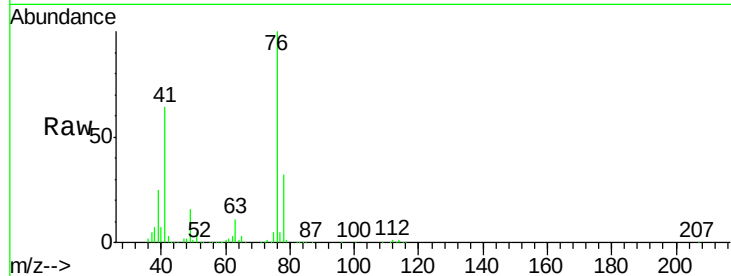




#57
 1,3-Dichloropropane
 Concen: 74.39 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

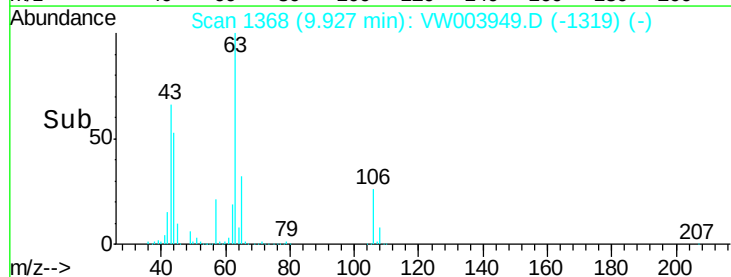
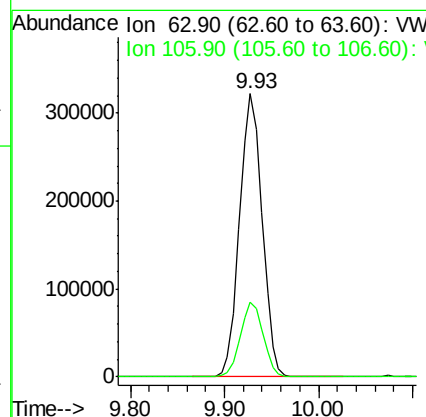
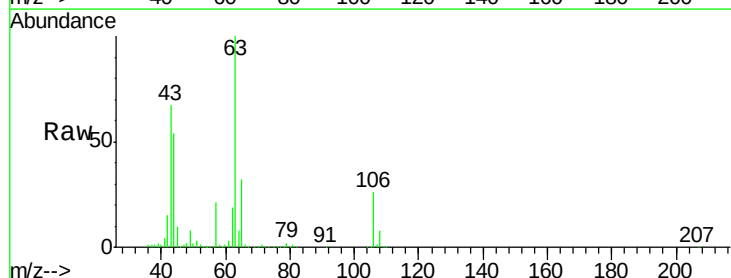
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

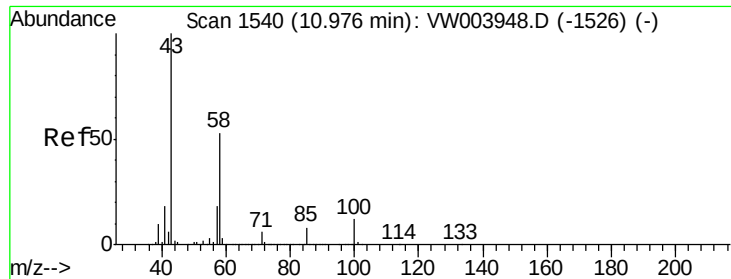
Tot Ion: 76 Resp: 303365
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 377.09 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 63 Resp: 538367
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.2 31.8

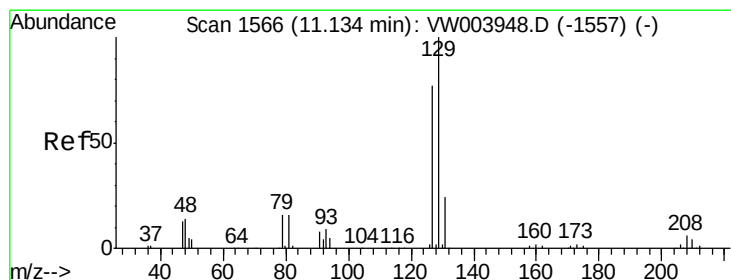
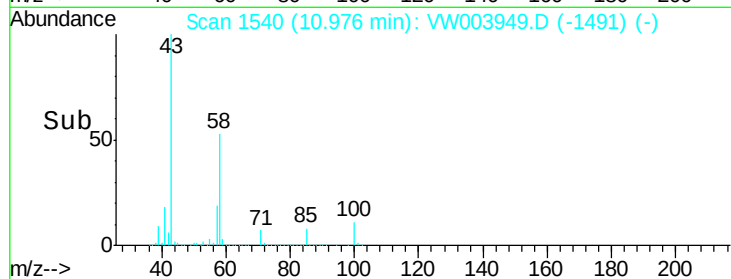
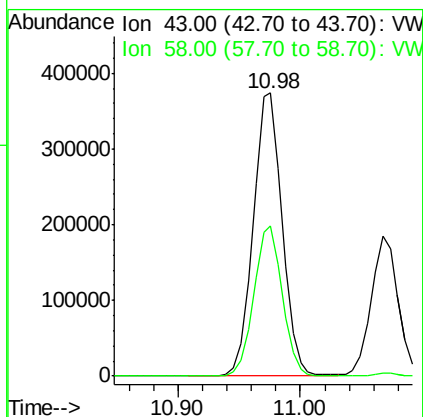
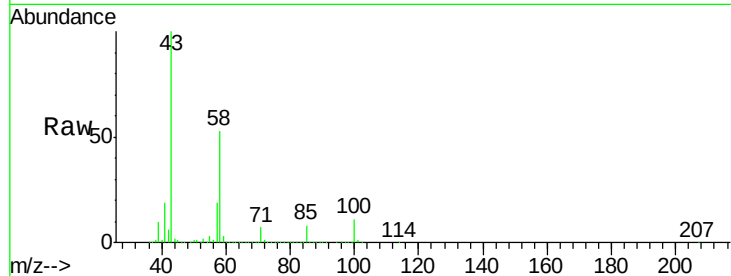




#59
2-Hexanone
Concen: 418.62 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

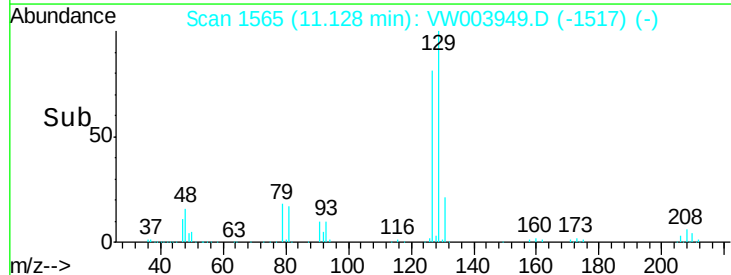
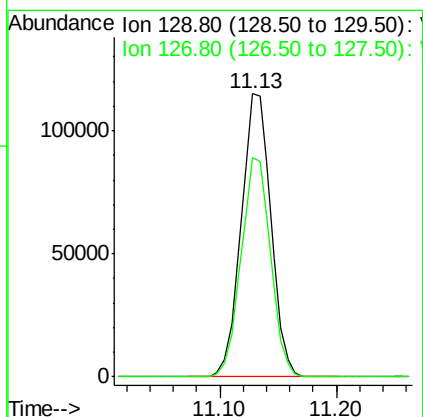
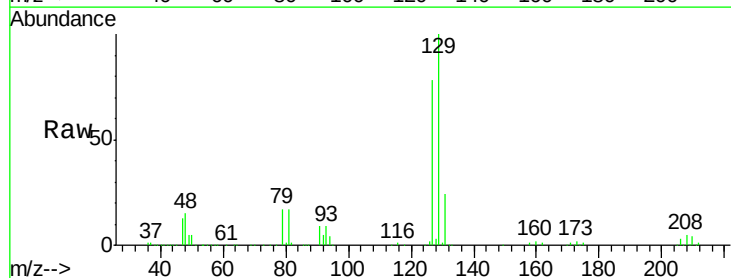
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

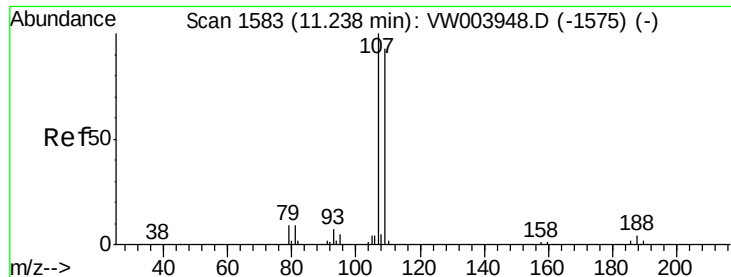
Tot Ion: 43 Resp: 616834
Ion Ratio Lower Upper
43 100
58 51.9 26.0 78.0



#60
Dibromochloromethane
Concen: 75.43 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 129 Resp: 205166
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 75.56 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampled :

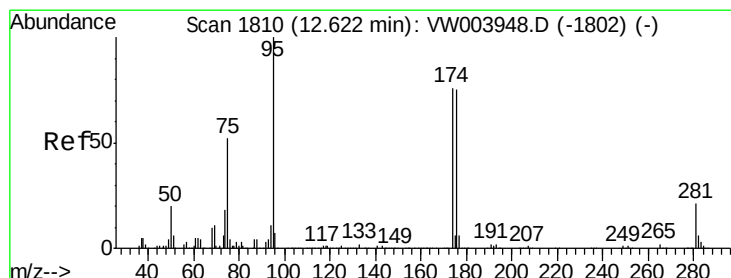
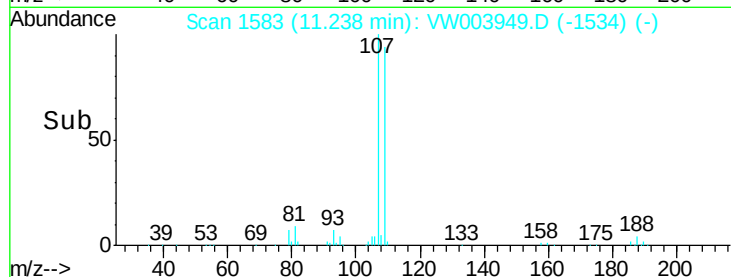
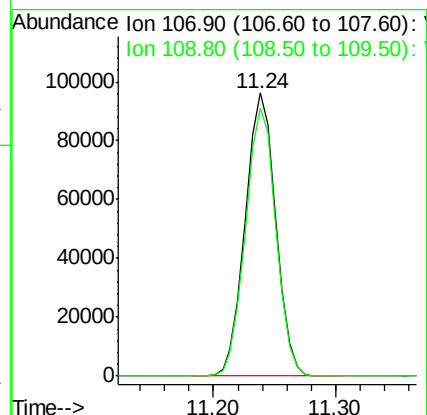
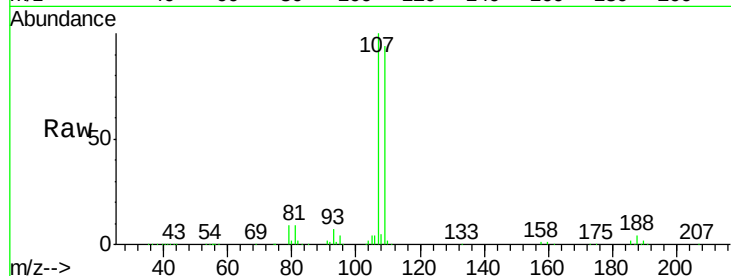
VSTDIC075

Tot Ion: 107 Resp: 166473

Ion Ratio Lower Upper

107 100

109 94.9 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 72.43 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

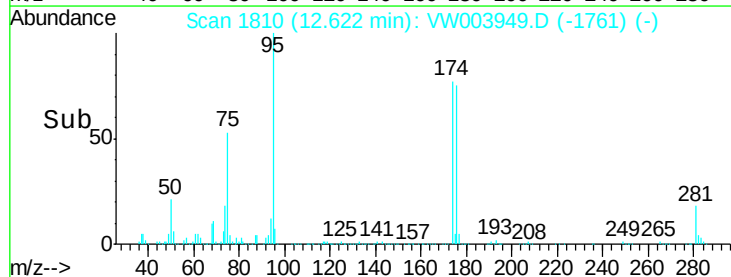
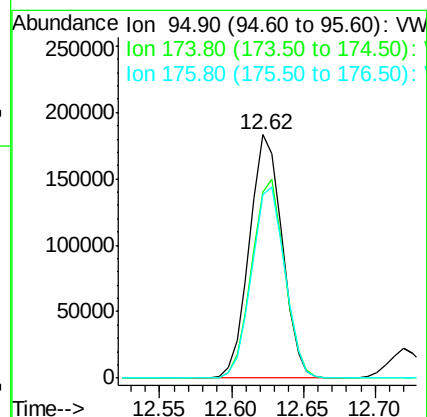
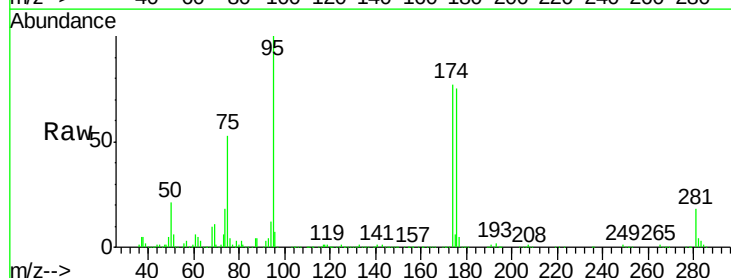
Tgt Ion: 95 Resp: 288759

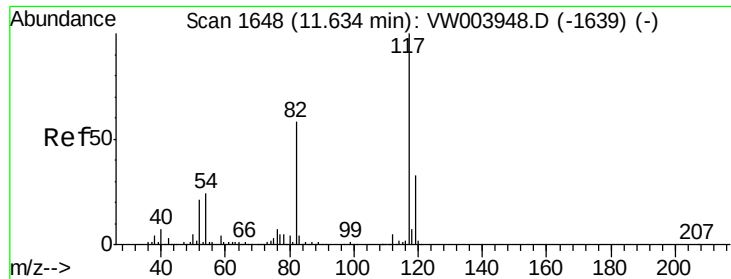
Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

176 79.3 0.0 155.8

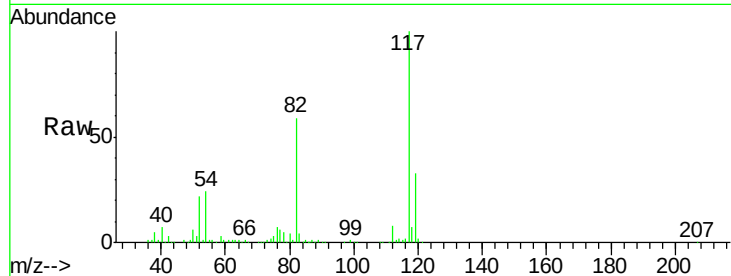




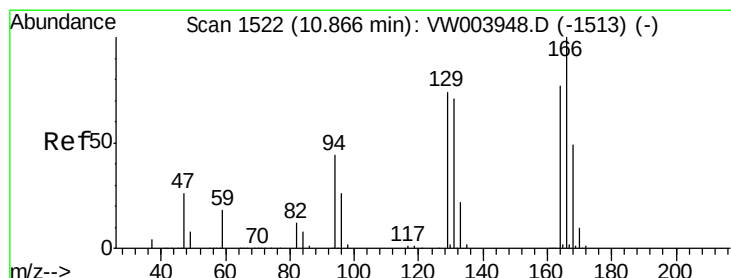
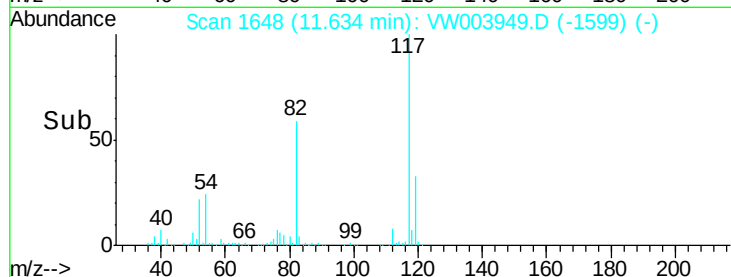
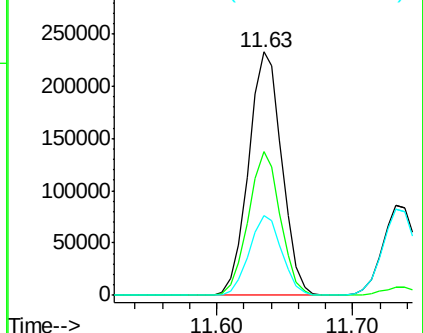
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 397629
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 32.8 26.2 39.2

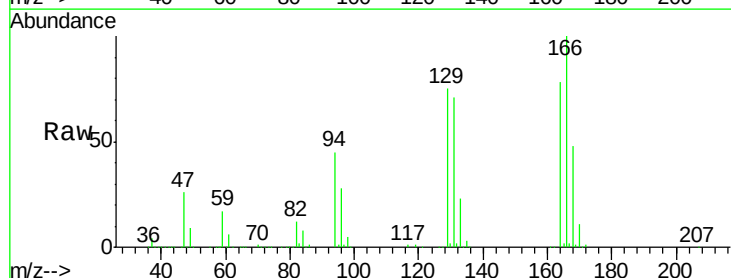


Abundance Ion 116.90 (116.60 to 117.60):
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60):

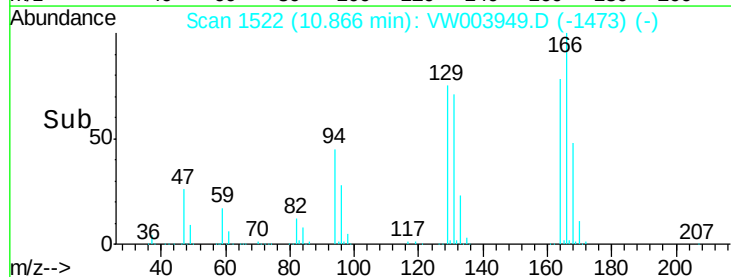
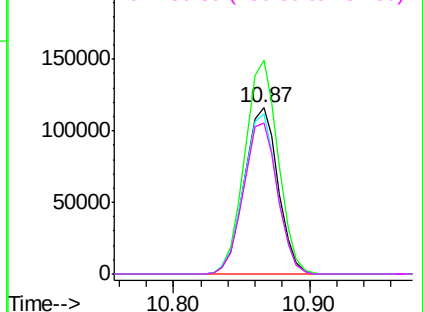


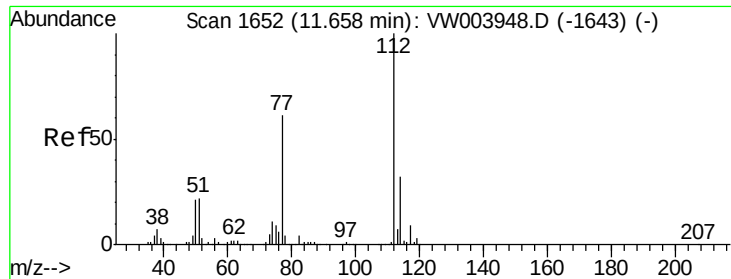
#64
Tetrachloroethene
Concen: 72.93 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion:164 Resp: 201801
Ion Ratio Lower Upper
164 100
166 128.7 103.5 155.3
129 96.2 76.8 115.2
131 91.3 73.2 109.8



Abundance Ion 163.80 (163.50 to 164.50):
Ion 165.80 (165.50 to 166.50):
Ion 128.80 (128.50 to 129.50):
Ion 130.80 (130.50 to 131.50):

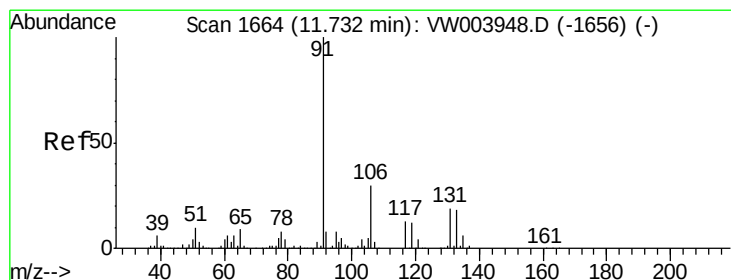
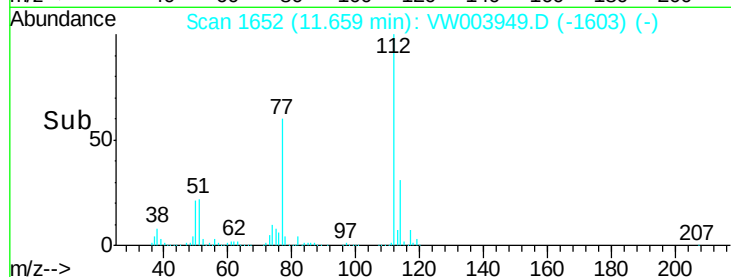
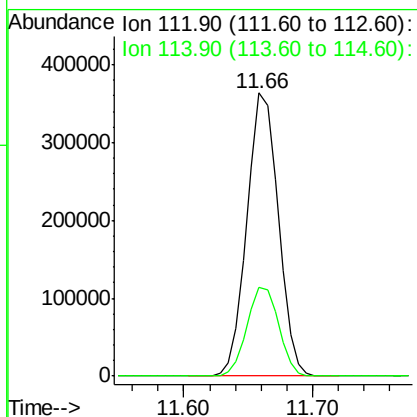
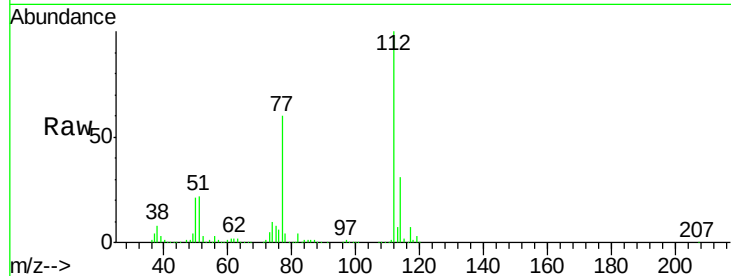




#65
Chlorobenzene
Concen: 72.09 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

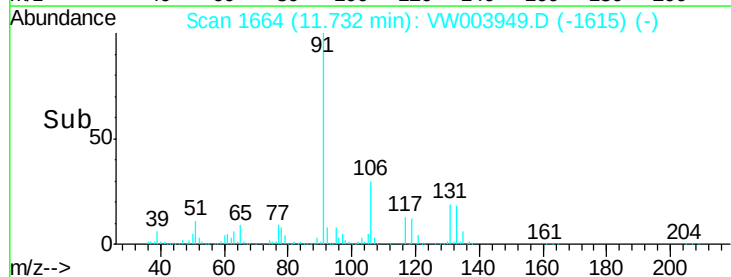
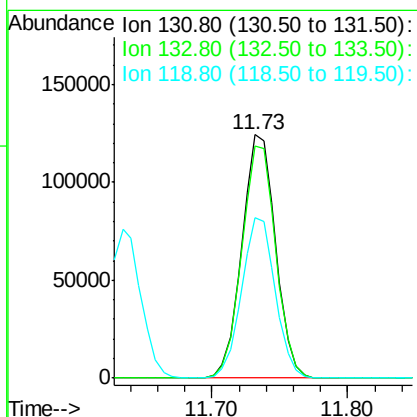
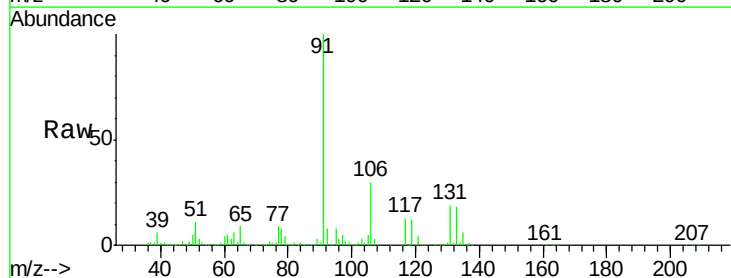
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

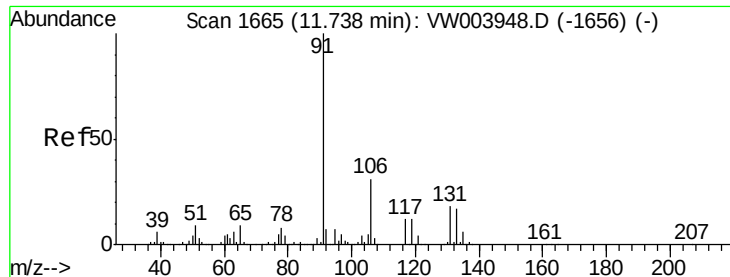
Tot Ion:112 Resp: 612241
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 72.91 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion:131 Resp: 214749
Ion Ratio Lower Upper
131 100
133 96.5 47.9 143.8
119 65.7 32.5 97.5

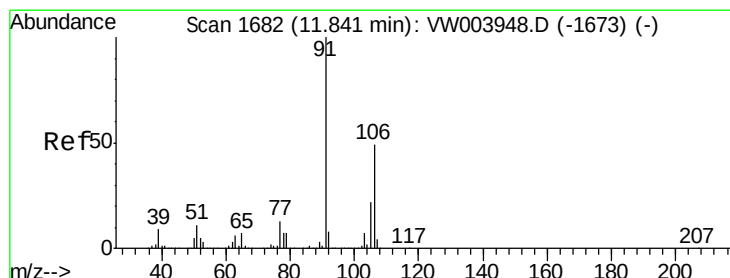
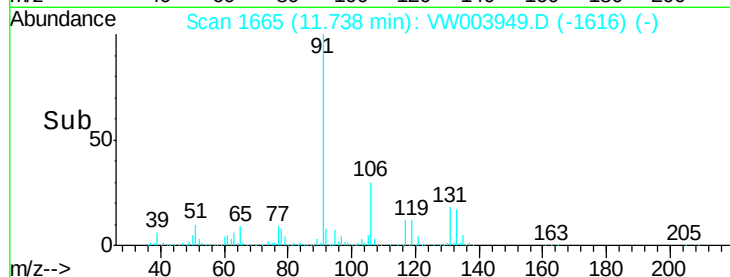
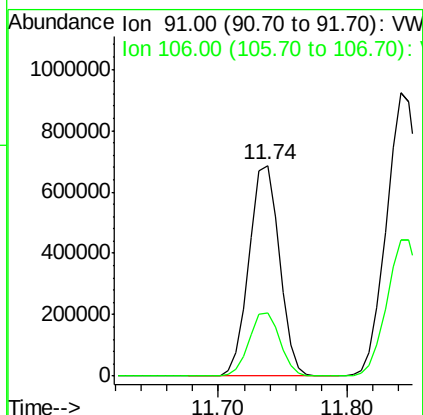
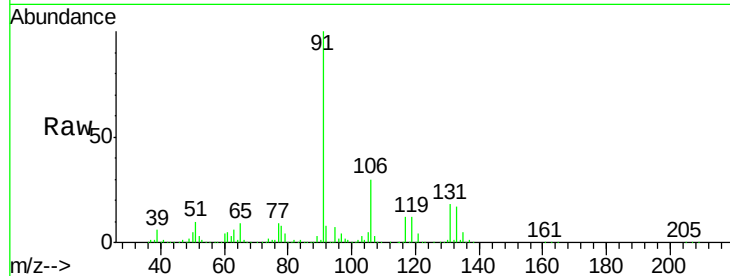




#67
Ethyl Benzene
Concen: 75.32 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

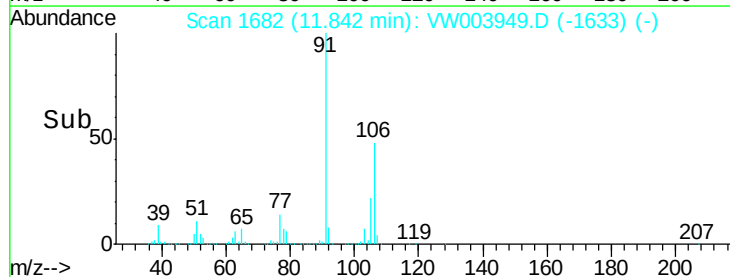
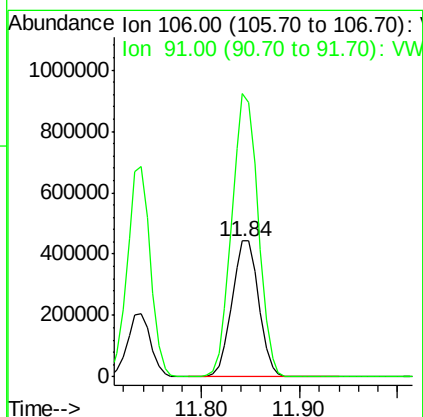
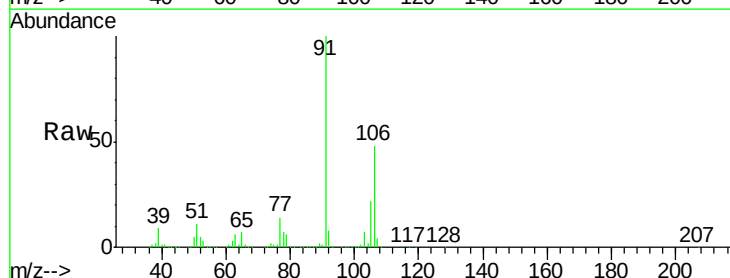
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

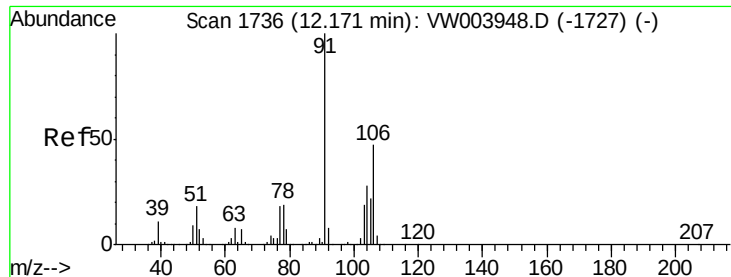
Tot Ion: 91 Resp: 1119809
Ion Ratio Lower Upper
91 100
106 29.9 25.0 37.4



#68
m/p-Xylenes
Concen: 148.29 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion: 106 Resp: 843114
Ion Ratio Lower Upper
106 100
91 204.9 164.2 246.2

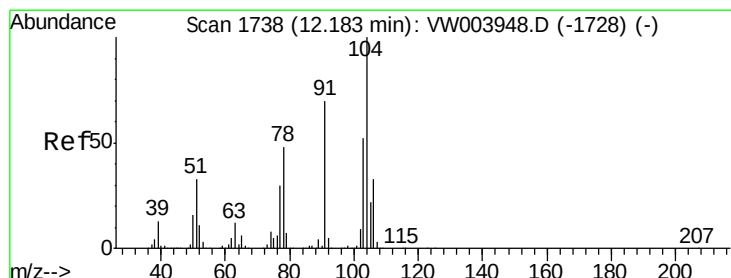
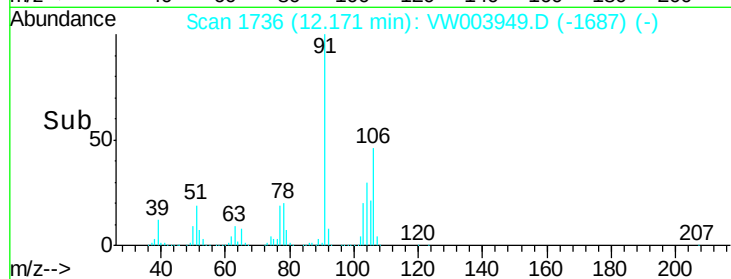
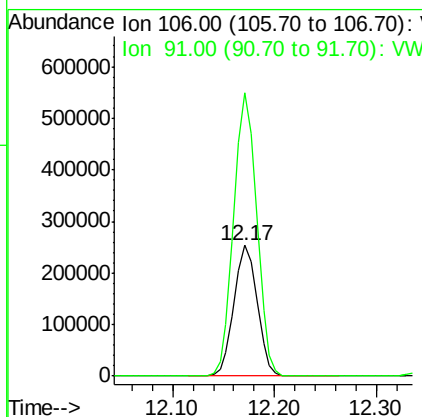
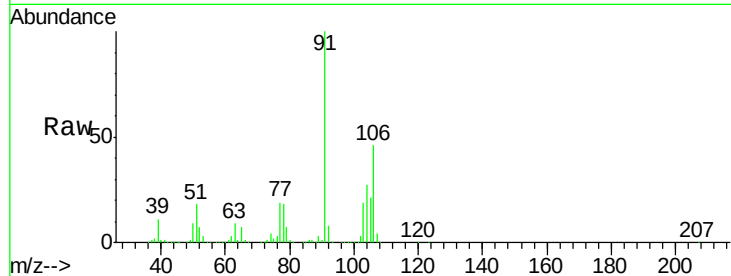




#69
o-Xylene
Concen: 75.44 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

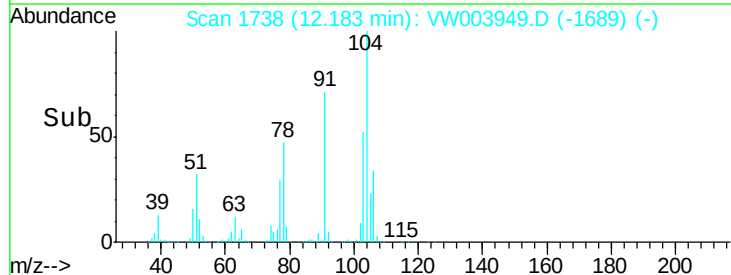
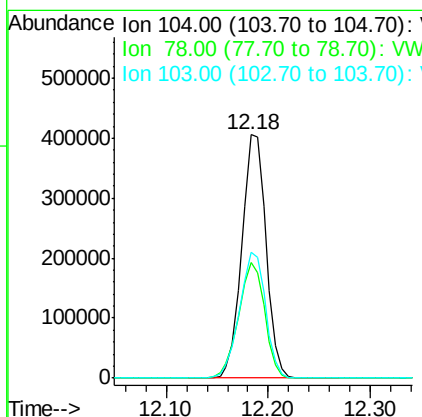
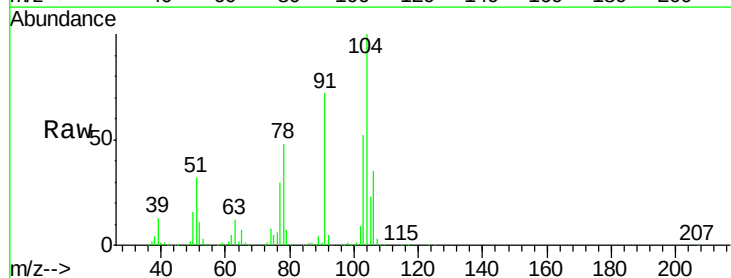
Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

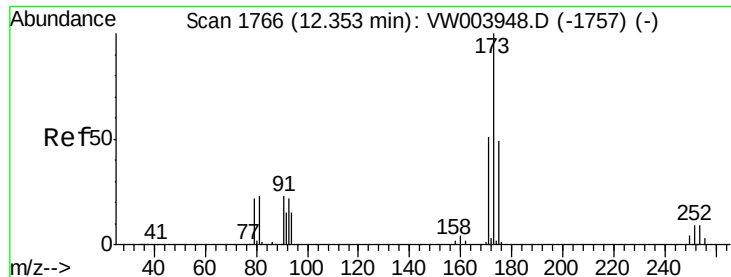
Tot Ion:106 Resp: 398163
Ion Ratio Lower Upper
106 100
91 215.0 107.5 322.6



#70
Styrene
Concen: 75.71 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW003949.D
Acq: 16 Jul 2018 13:41

Tgt Ion:104 Resp: 668152
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 55.6 44.6 67.0





#71

Bromoform

Concen: 78.60 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

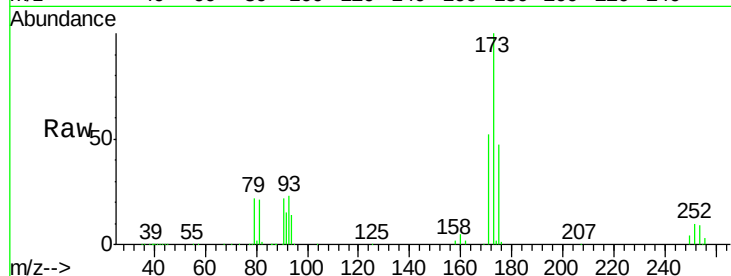
Tot Ion:173 Resp: 127403

Ion Ratio Lower Upper

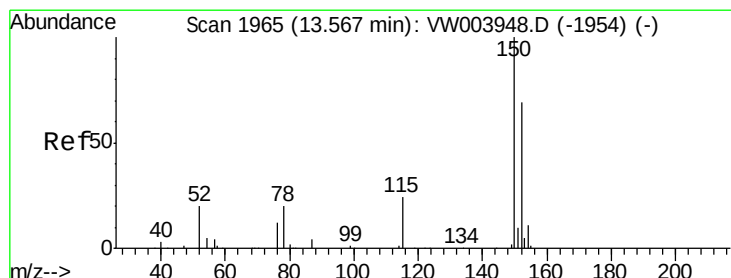
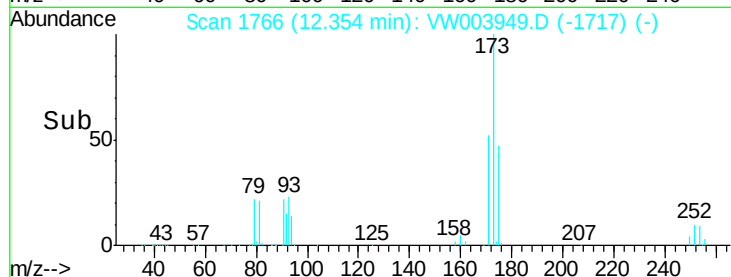
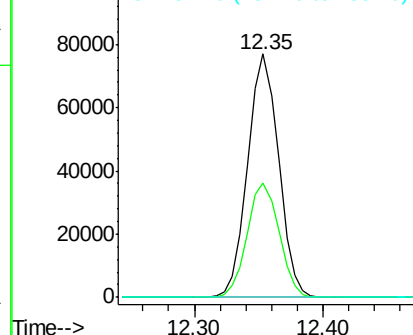
173 100

175 48.6 24.4 73.2

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40):
Ion 174.70 (174.40 to 175.40):
Ion 254.40 (254.10 to 255.10):



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

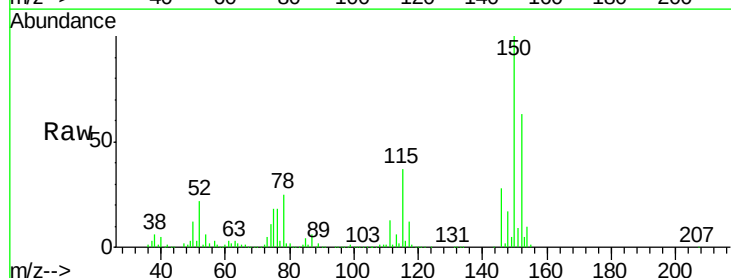
Tgt Ion:152 Resp: 208793

Ion Ratio Lower Upper

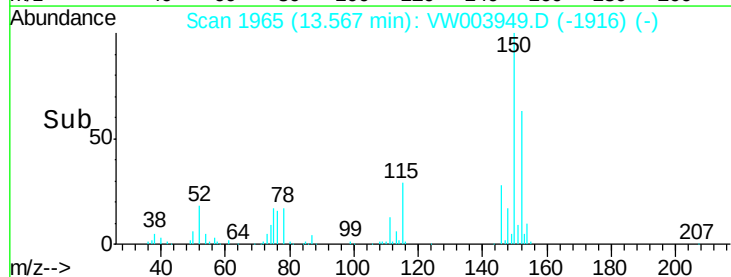
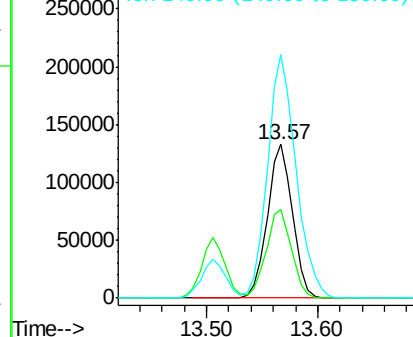
152 100

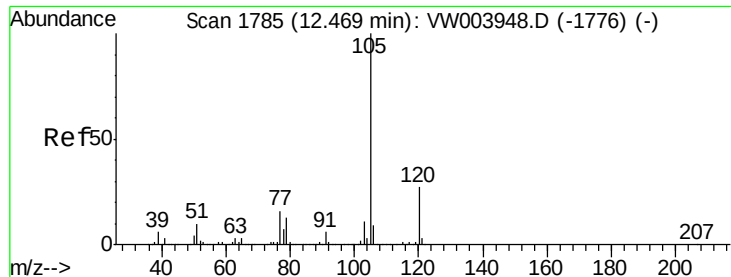
115 58.1 29.2 87.6

150 180.1 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60):
Ion 114.90 (114.60 to 115.60):
Ion 149.90 (149.60 to 150.60):





#73

Isopropylbenzene

Concen: 74.24 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

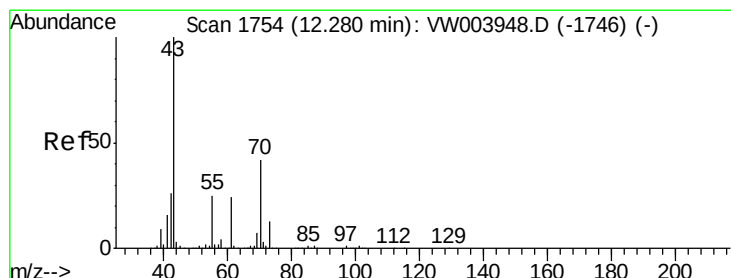
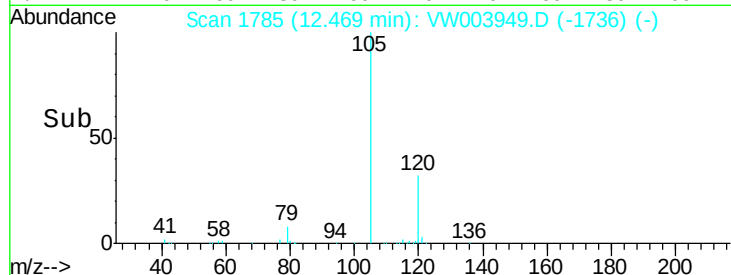
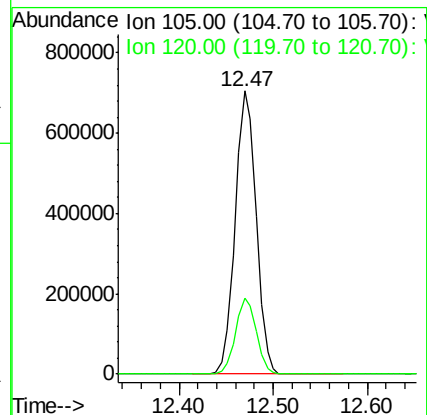
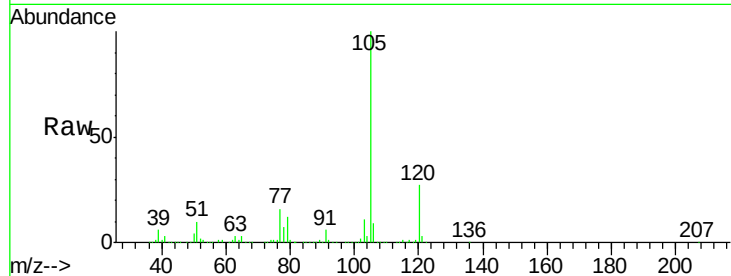
VSTDIC075

Tot Ion:105 Resp: 1087095

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 82.12 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Tgt Ion: 43 Resp: 306102

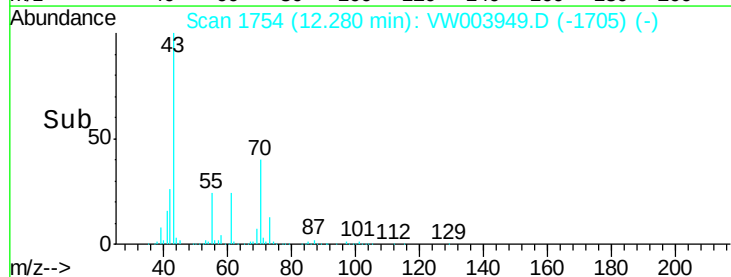
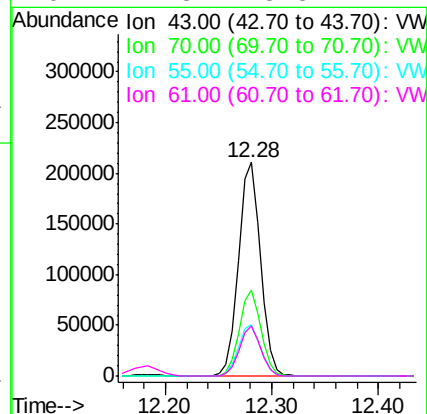
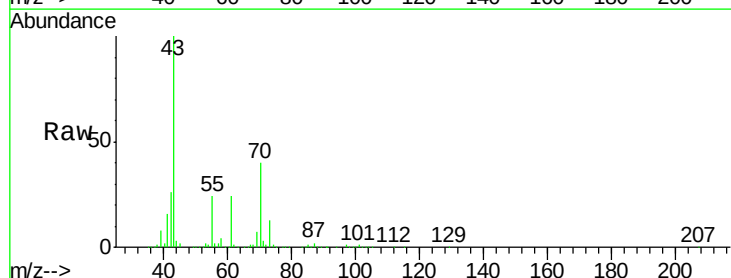
Ion Ratio Lower Upper

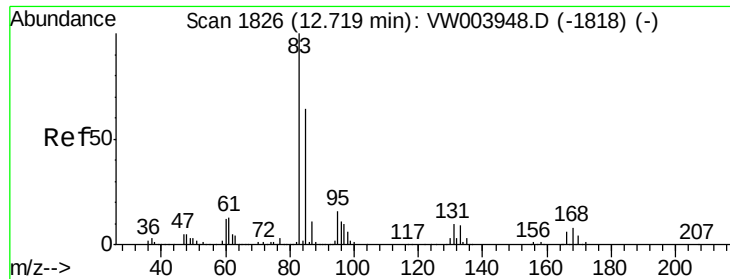
43 100

70 39.7 31.6 47.4

55 24.4 20.0 30.0

61 22.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 77.01 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

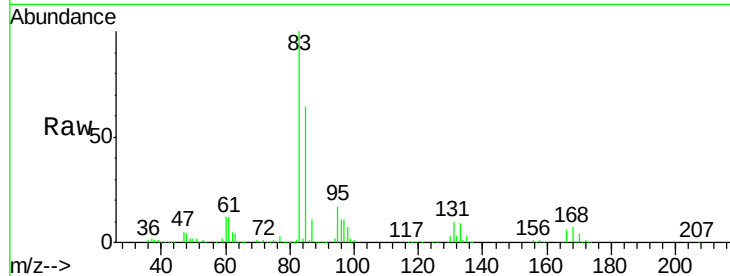
Tot Ion: 83 Resp: 213486

Ion Ratio Lower Upper

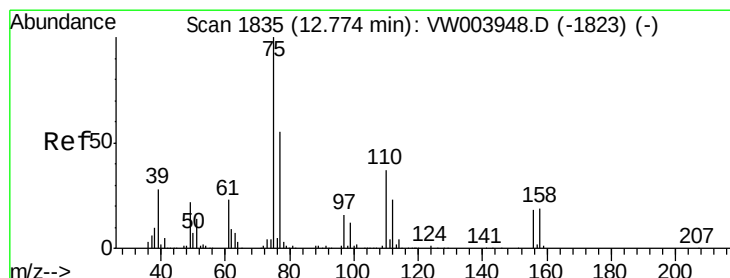
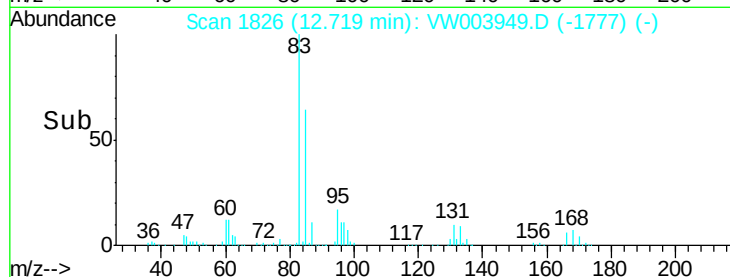
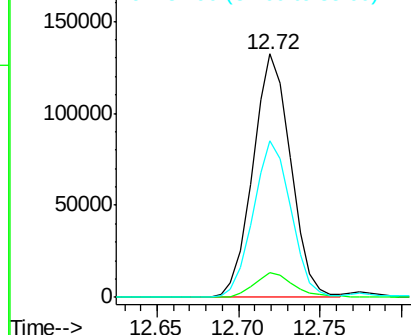
83 100

131 10.5 5.3 15.8

85 64.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): VW
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 136.51 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003949.D

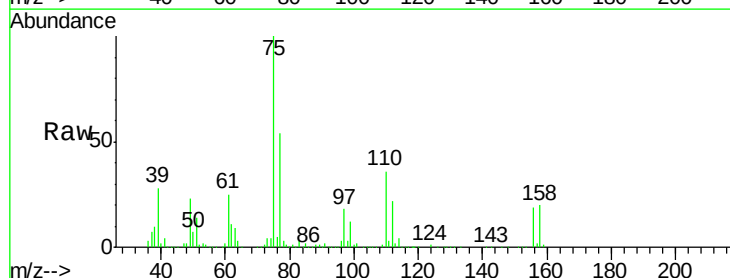
Acq: 16 Jul 2018 13:41

Tgt Ion: 75 Resp: 290442

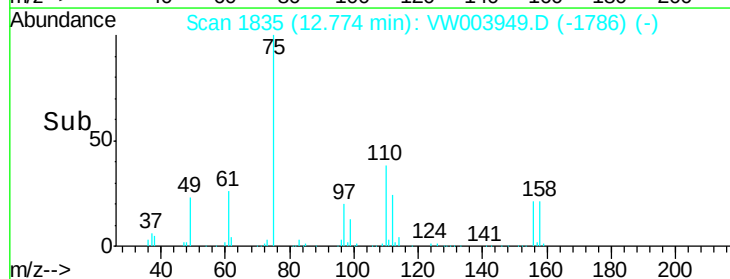
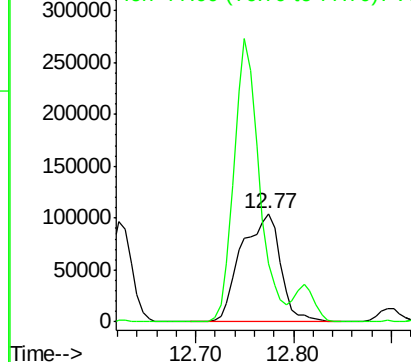
Ion Ratio Lower Upper

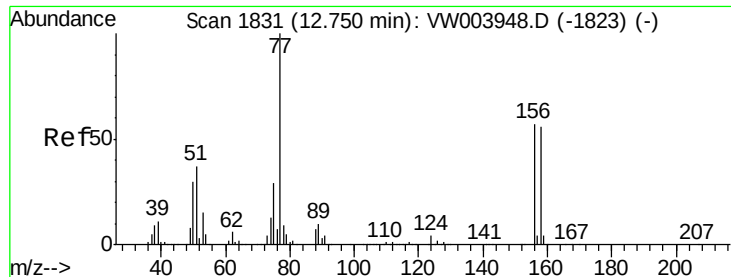
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 72.40 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

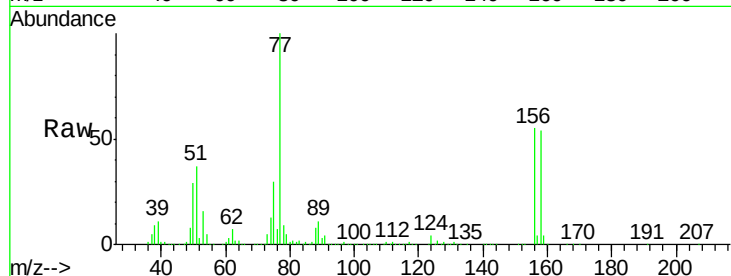
Tot Ion:156 Resp: 253337

Ion Ratio Lower Upper

156 100

77 193.9 96.2 288.6

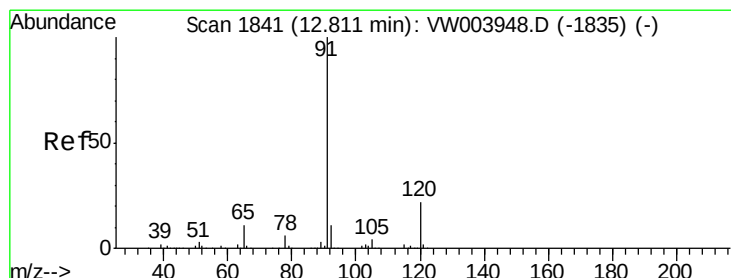
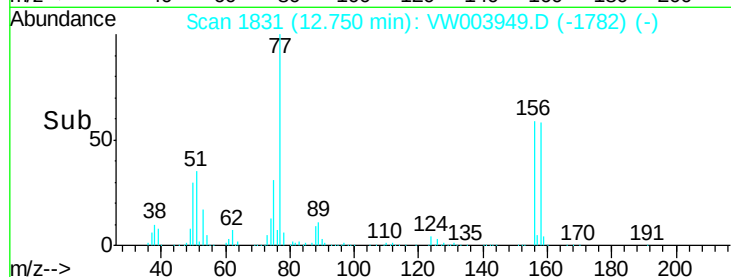
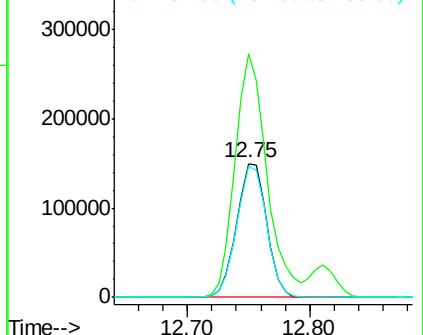
158 97.4 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50):

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50):



#78

n-propylbenzene

Concen: 73.82 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003949.D

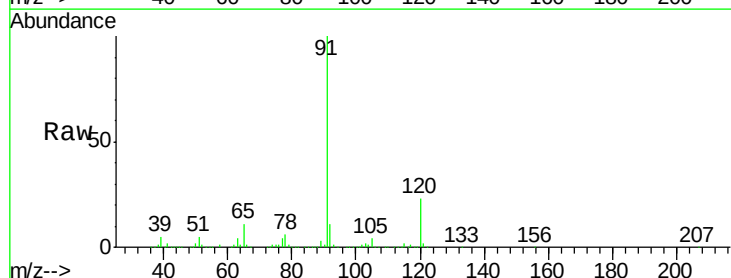
Acq: 16 Jul 2018 13:41

Tgt Ion: 91 Resp: 1331867

Ion Ratio Lower Upper

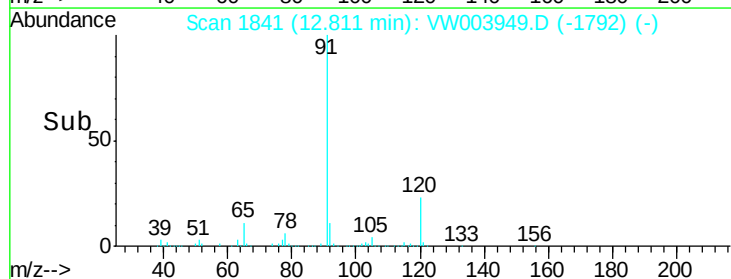
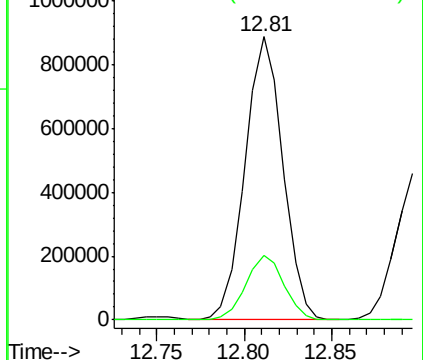
91 100

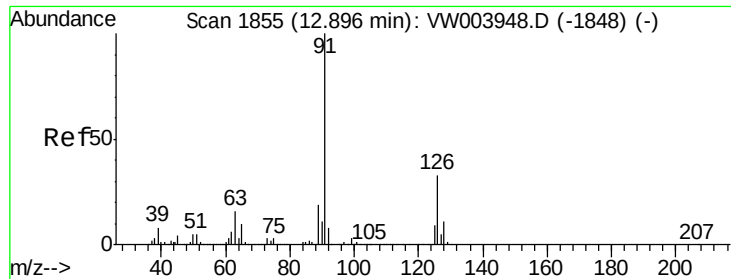
120 23.0 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 72.67 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

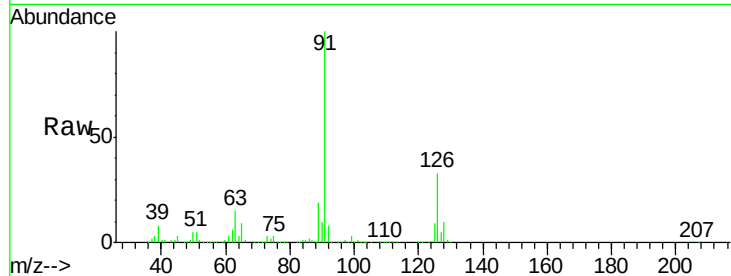
VSTDIC075

Tot Ion: 91 Resp: 741742

Ion Ratio Lower Upper

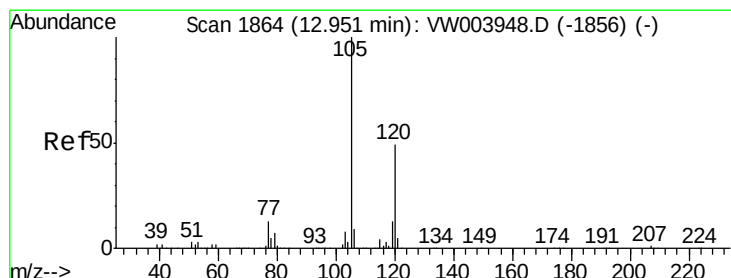
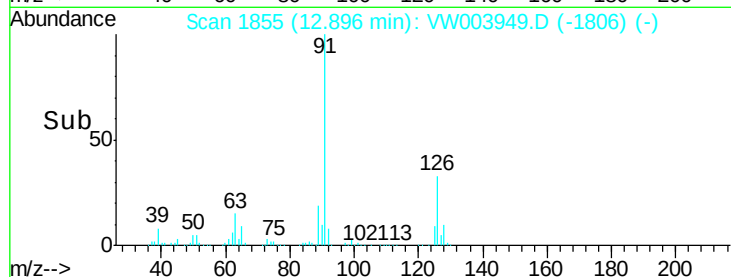
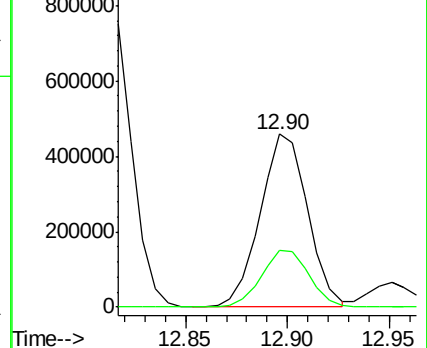
91 100

126 33.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60):



#80

1,3,5-Trimethylbenzene

Concen: 73.73 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003949.D

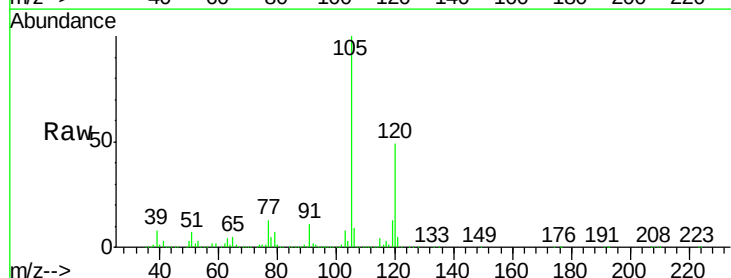
Acq: 16 Jul 2018 13:41

Tgt Ion: 105 Resp: 914491

Ion Ratio Lower Upper

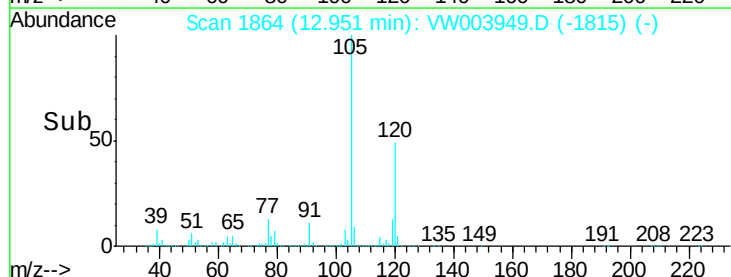
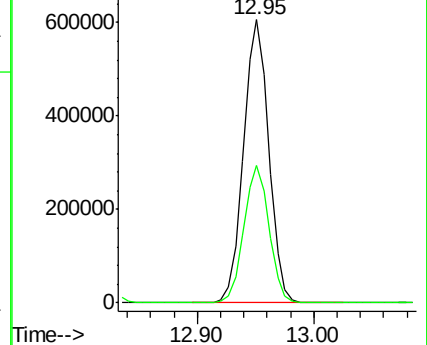
105 100

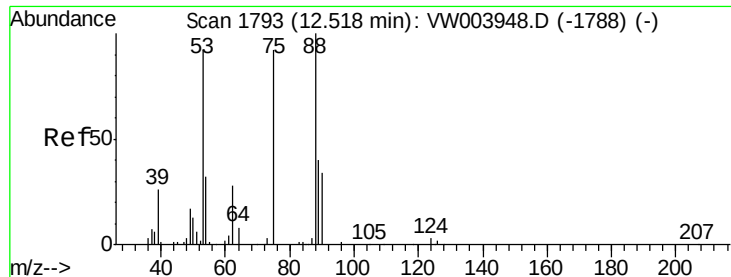
120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):





#81

trans-1,4-Dichloro-2-butene

Concen: 81.06 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

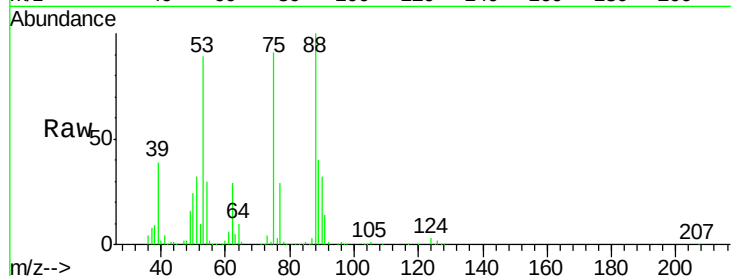
Tot Ion: 75 Resp: 71398

Ion Ratio Lower Upper

75 100

53 99.0 77.6 116.4

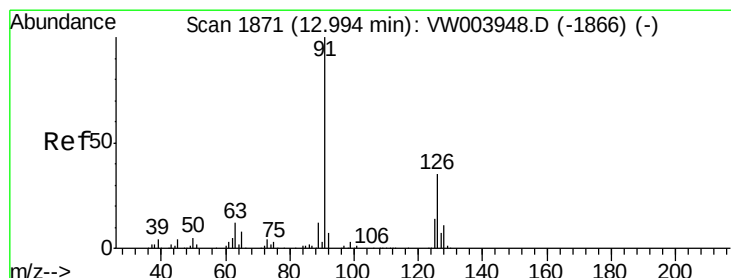
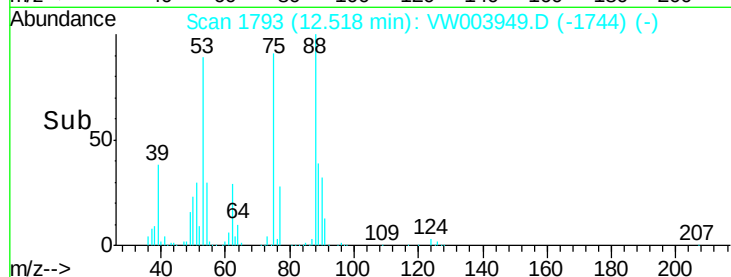
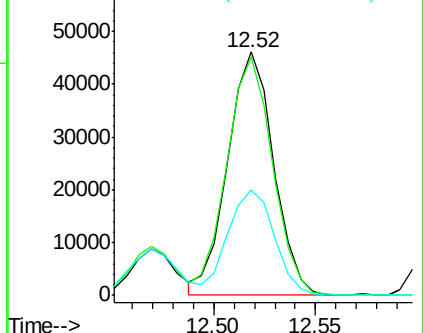
89 44.2 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 71.03 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003949.D

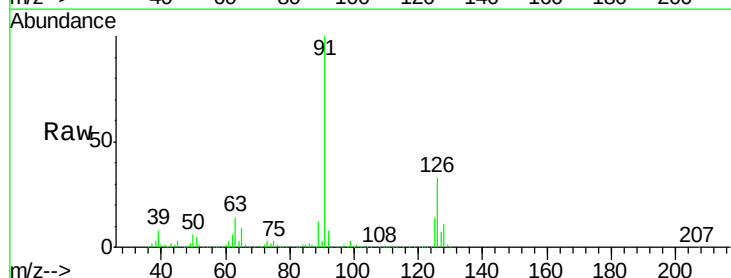
Acq: 16 Jul 2018 13:41

Tgt Ion: 91 Resp: 775555

Ion Ratio Lower Upper

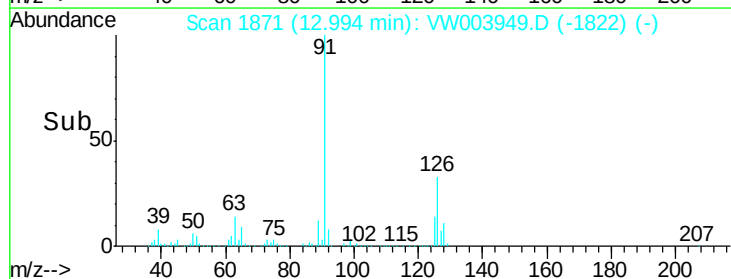
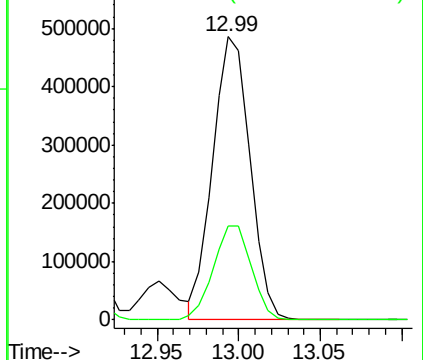
91 100

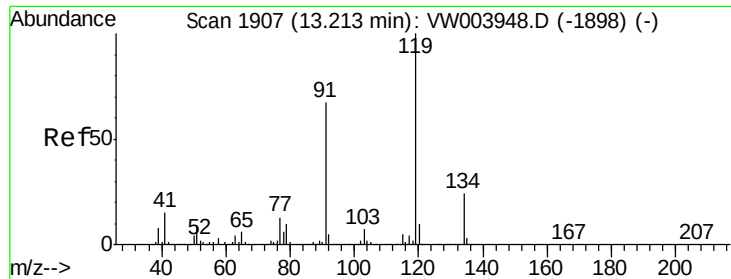
126 33.9 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60):

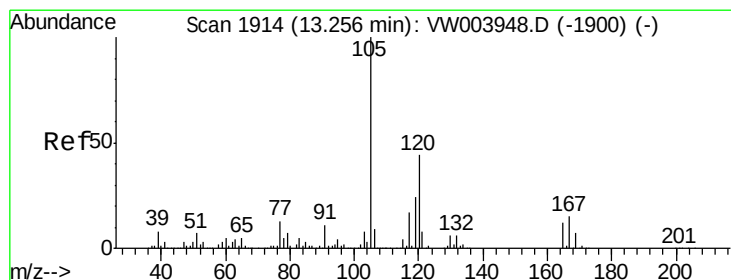
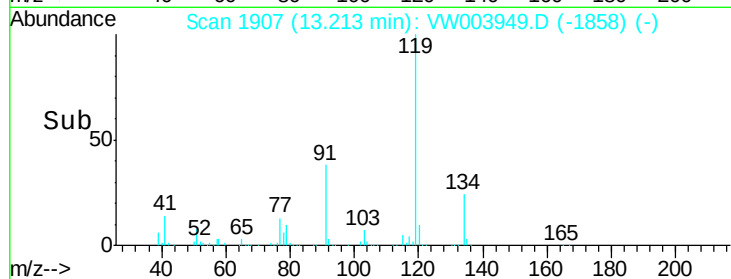
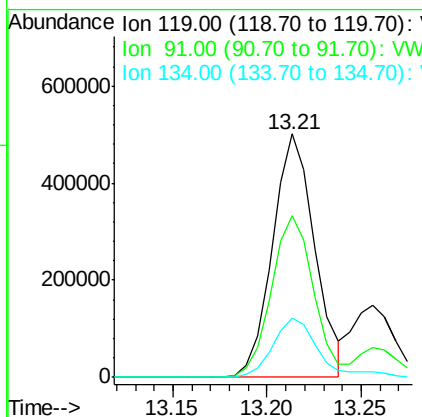
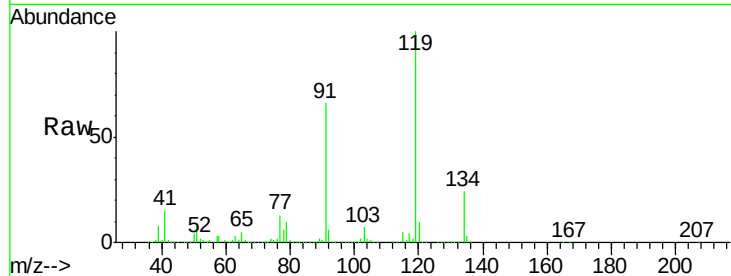




#83
 tert-Butylbenzene
 Concen: 75.06 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

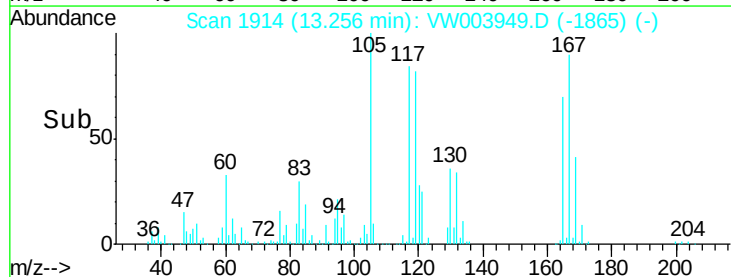
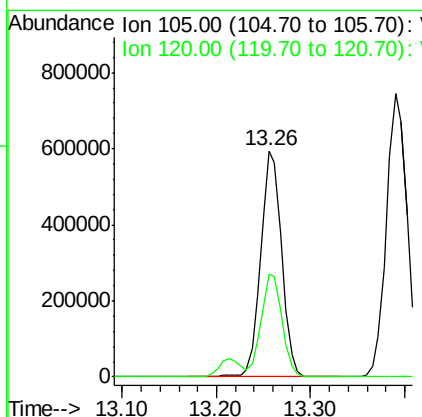
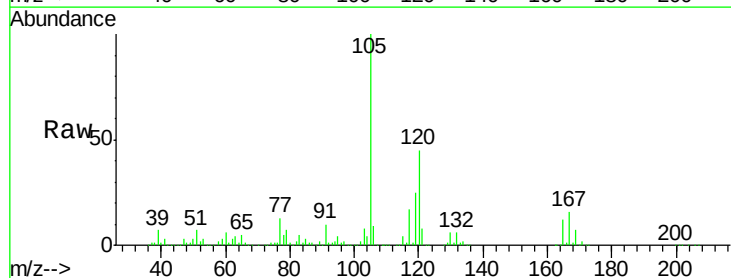
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

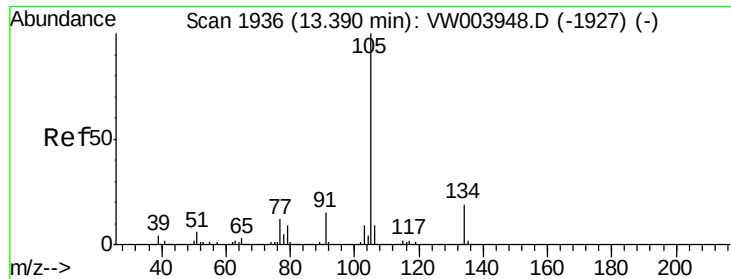
Tot Ion:119 Resp: 777513
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.2 99.6
 134 26.3 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 73.22 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion:105 Resp: 932992
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.1 66.1





#85

sec-Butylbenzene

Concen: 73.44 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

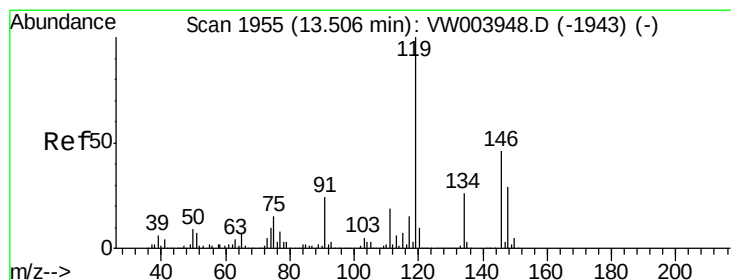
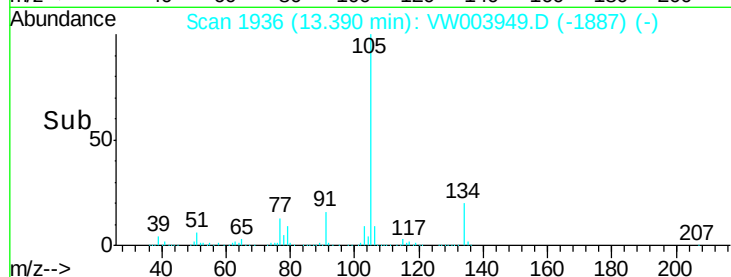
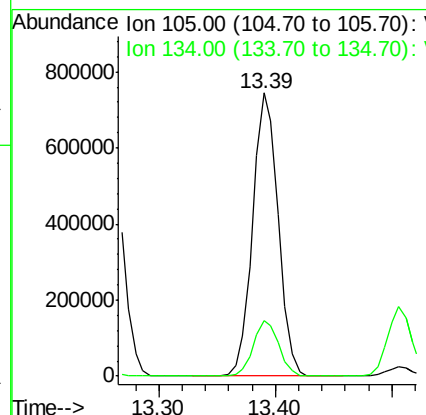
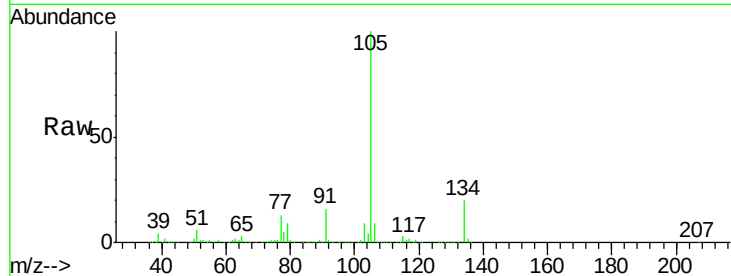
VSTDIC075

Tot Ion:105 Resp: 1135026

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4



#86

p-Isopropyltoluene

Concen: 75.07 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

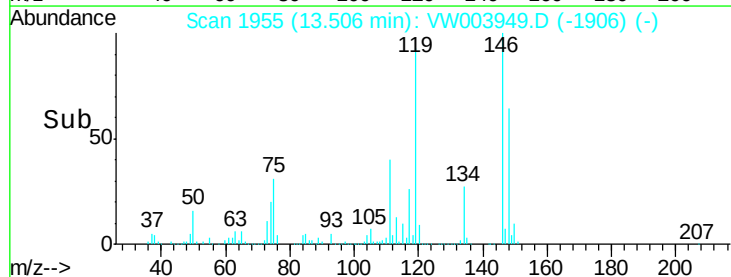
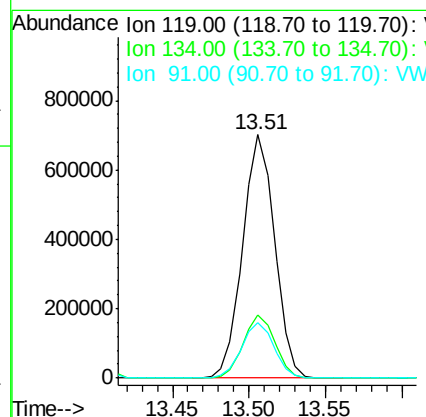
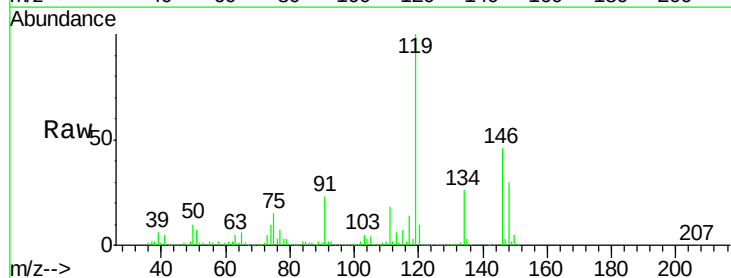
Tgt Ion:119 Resp: 1017375

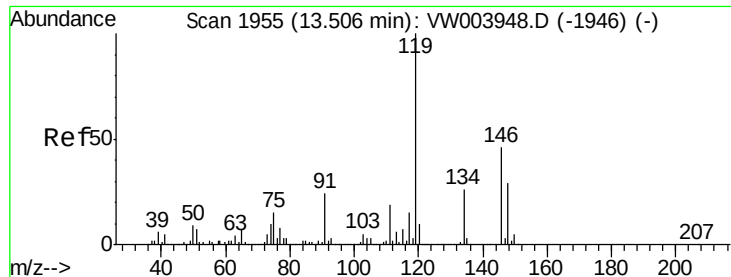
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.1 11.8 35.3

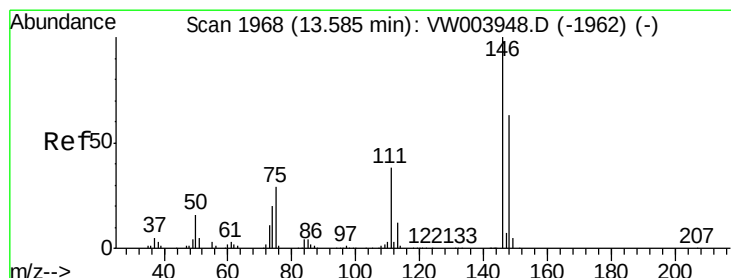
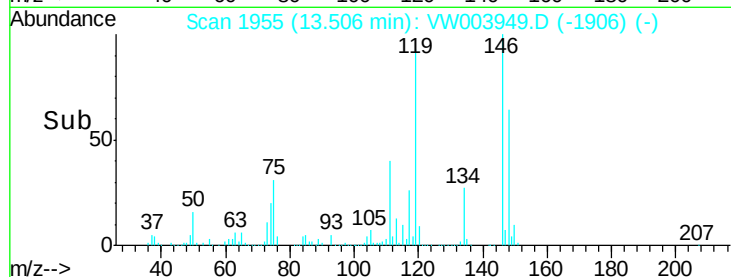
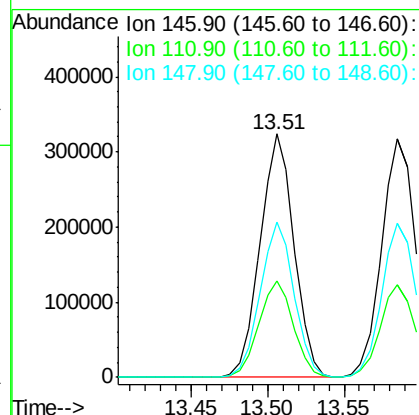
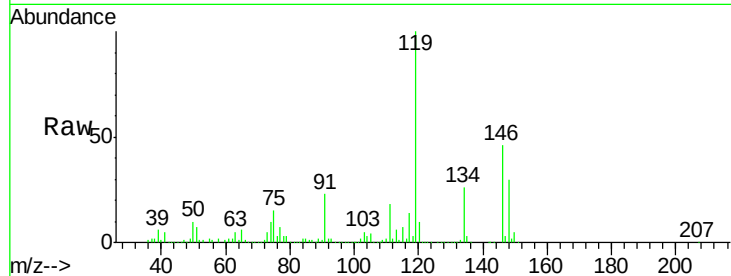




#87
 1,3-Dichlorobenzene
 Concen: 71.14 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

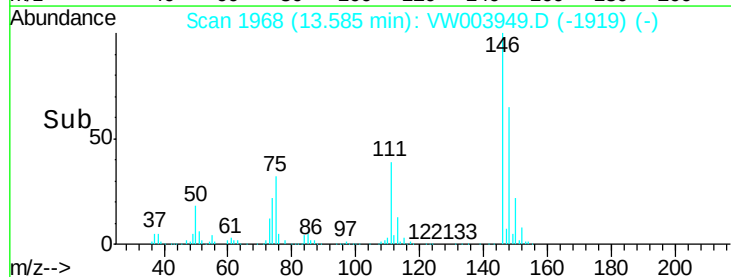
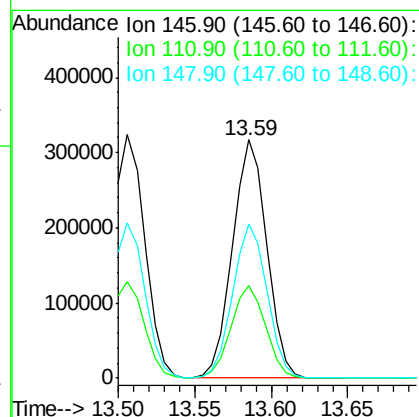
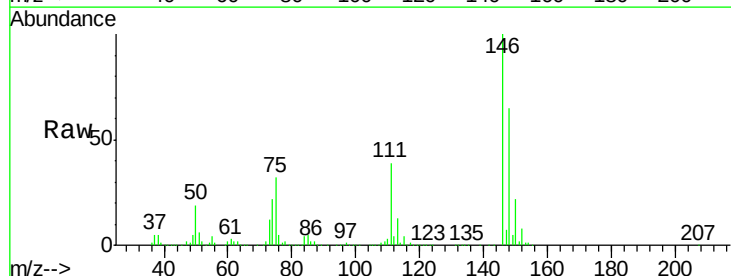
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

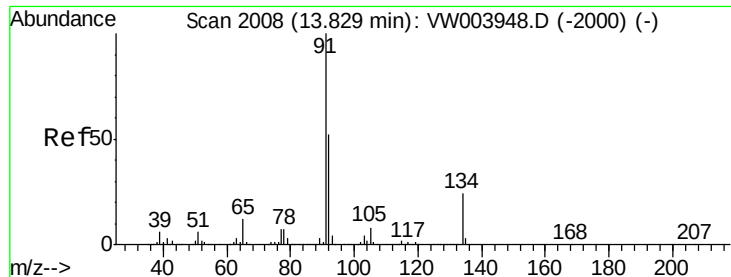
Tot Ion:146 Resp: 500700
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 69.79 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion:146 Resp: 492606
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.6 58.7
 148 64.5 32.3 96.8





#89

n-Butylbenzene

Concen: 73.98 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

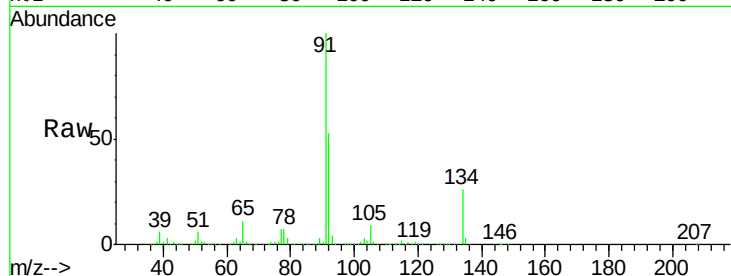
Tot Ion: 91 Resp: 985703

Ion Ratio Lower Upper

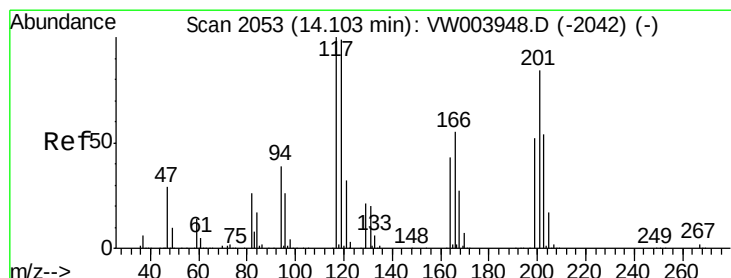
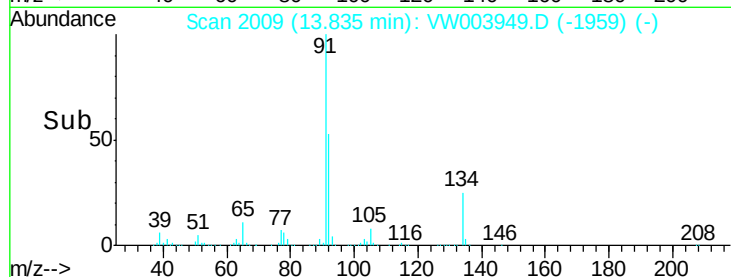
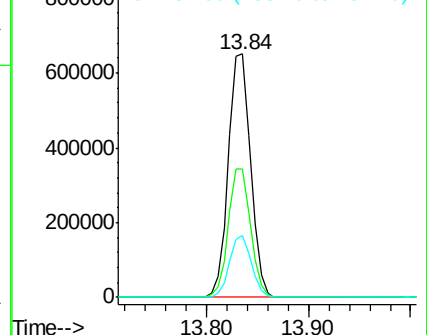
91 100

92 52.6 26.1 78.3

134 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70):



#90

Hexachloroethane

Concen: 71.98 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003949.D

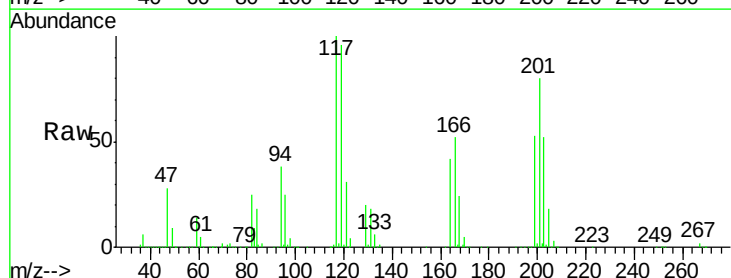
Acq: 16 Jul 2018 13:41

Tgt Ion: 117 Resp: 179792

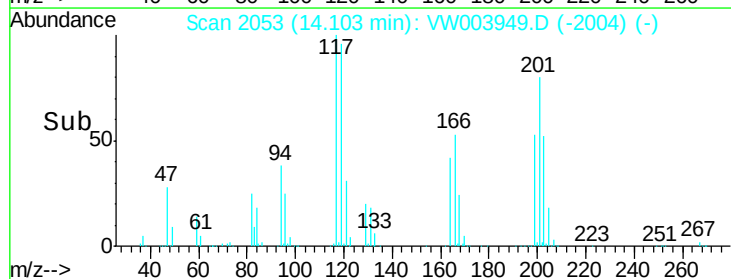
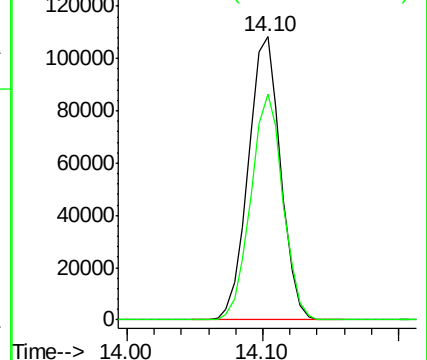
Ion Ratio Lower Upper

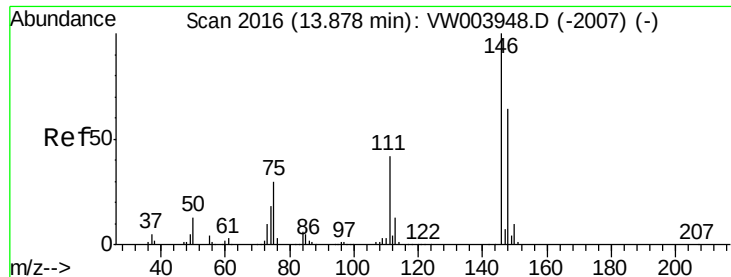
117 100

201 79.5 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50):
Ion 200.70 (200.40 to 201.40):

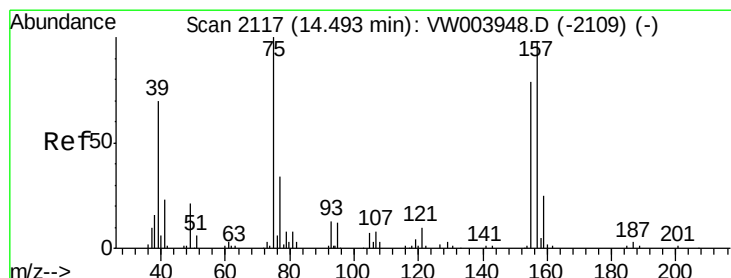
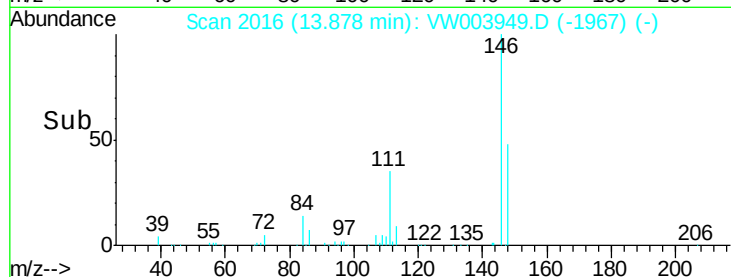
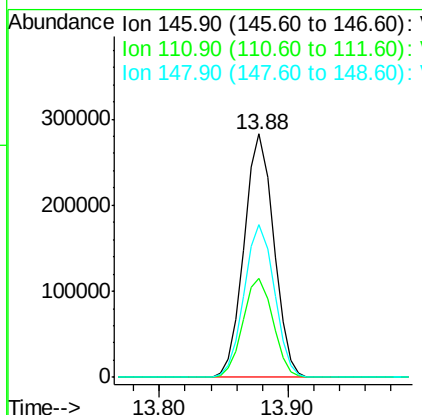
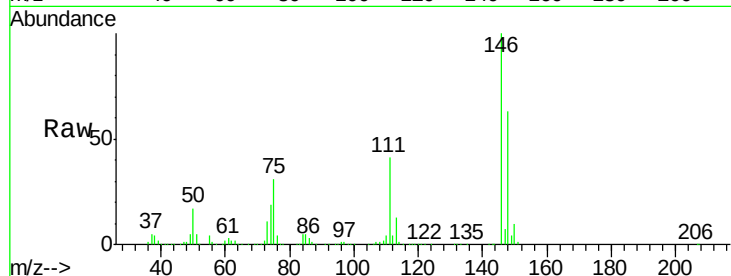




#91
 1,2-Dichlorobenzene
 Concen: 71.77 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

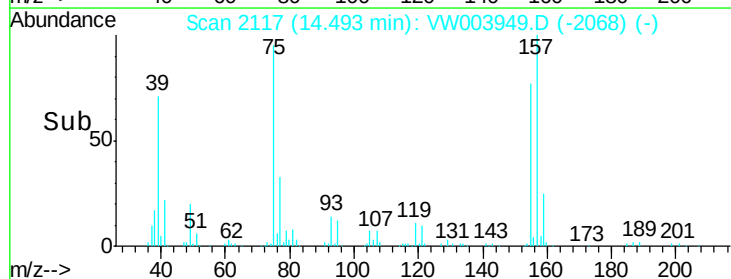
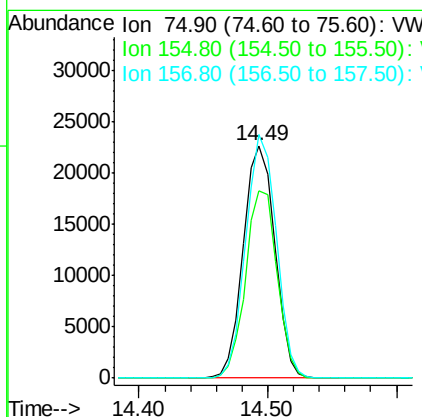
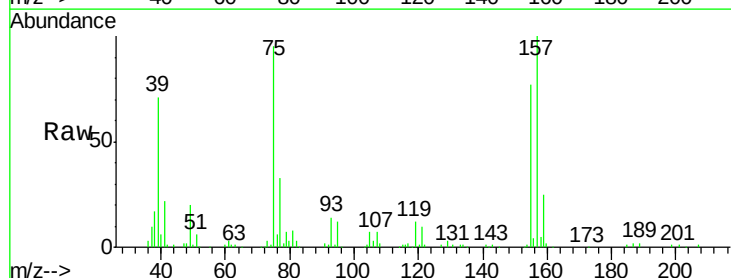
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

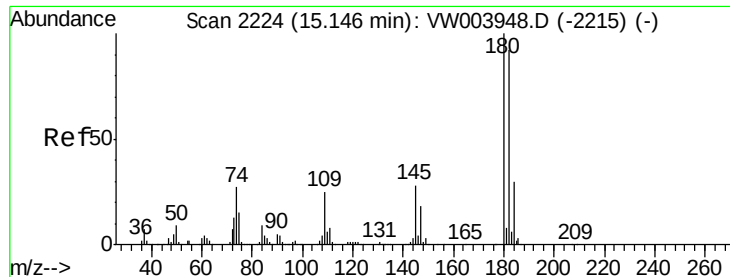
Tot Ion:146 Resp: 450528
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.7 62.1
 148 63.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 78.81 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion: 75 Resp: 38323
 Ion Ratio Lower Upper
 75 100
 155 80.5 39.4 118.1
 157 101.3 51.8 155.4

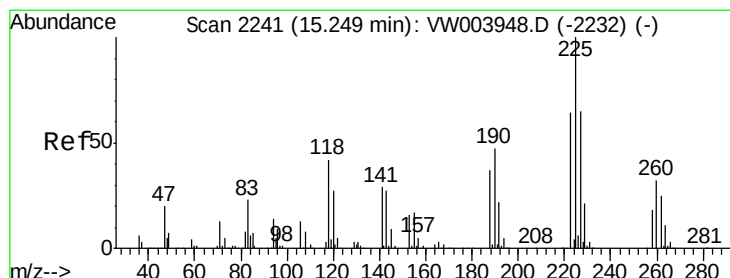
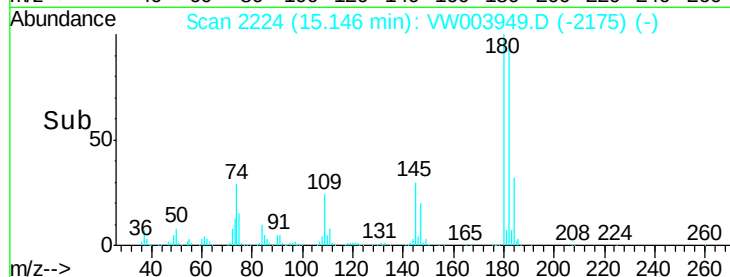
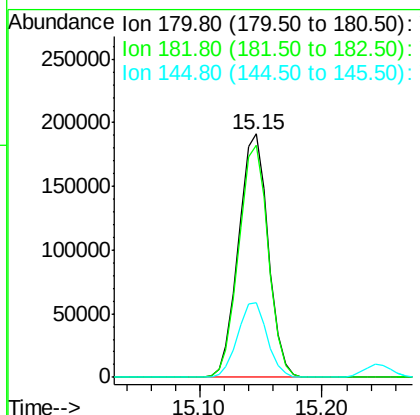
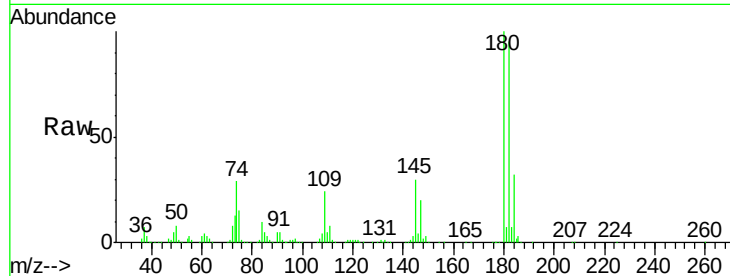




#93
 1,2,4-Trichlorobenzene
 Concen: 73.24 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

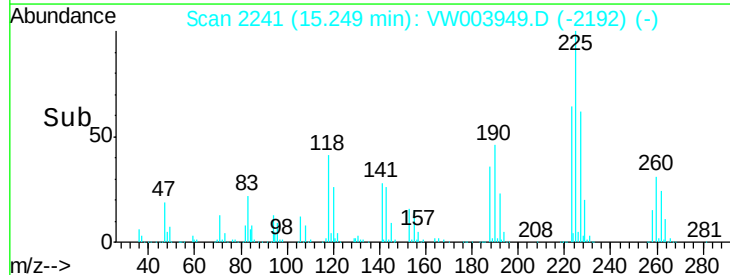
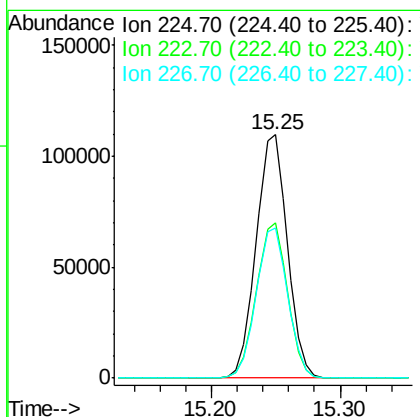
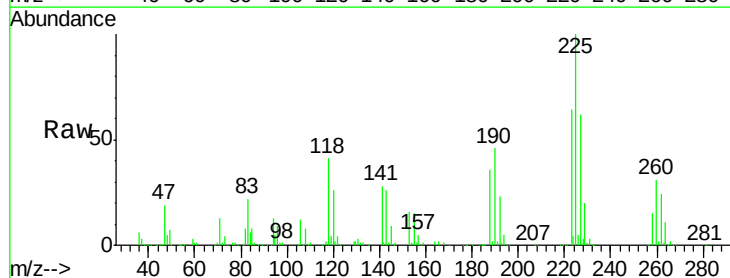
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

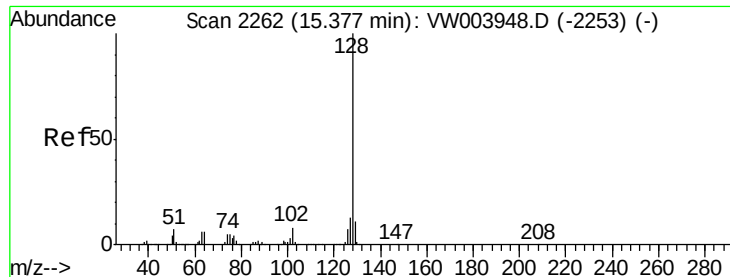
Tot Ion:180 Resp: 319503
 Ion Ratio Lower Upper
 180 100
 182 95.1 46.9 140.8
 145 30.5 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 72.94 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003949.D
 Acq: 16 Jul 2018 13:41

Tgt Ion:225 Resp: 183216
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.0 96.2
 227 62.3 32.3 96.9





#95

Naphthalene

Concen: 82.58 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

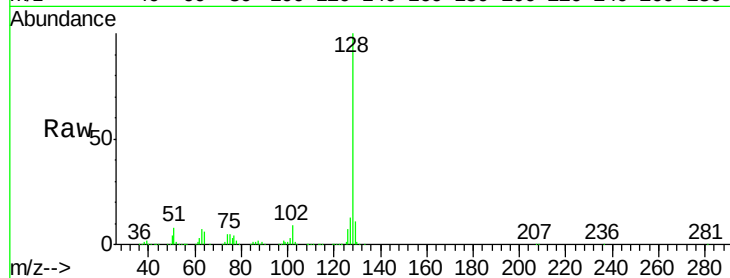
Tot Ion:128 Resp: 648012

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

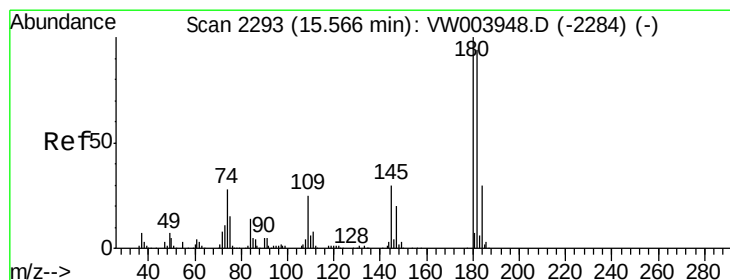
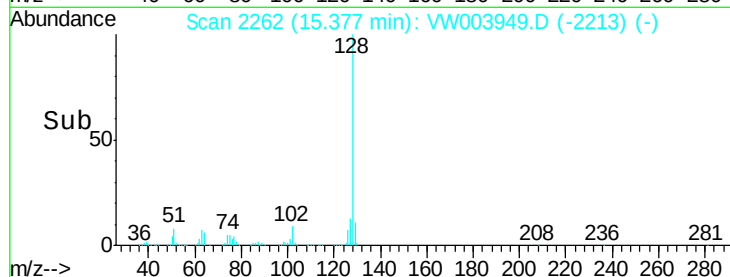
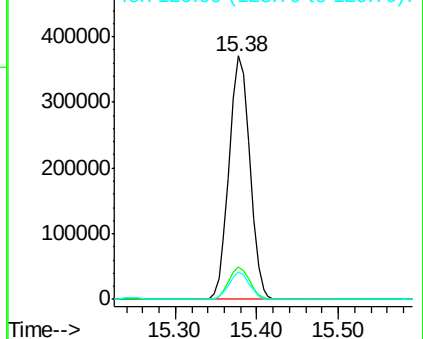
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70):

Ion 127.00 (126.70 to 127.70):

Ion 129.00 (128.70 to 129.70):



#96

1,2,3-Trichlorobenzene

Concen: 73.84 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003949.D

Acq: 16 Jul 2018 13:41

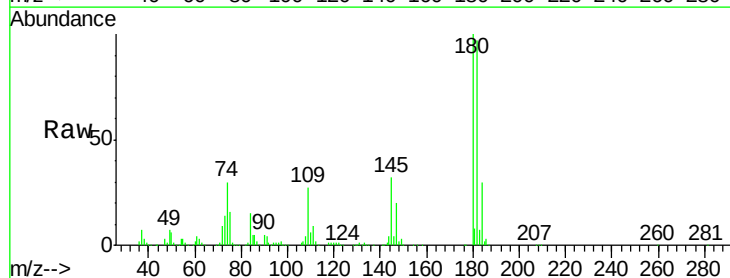
Tgt Ion:180 Resp: 283935

Ion Ratio Lower Upper

180 100

182 96.4 47.5 142.6

145 32.1 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50):

Ion 181.80 (181.50 to 182.50):

Ion 144.90 (144.60 to 145.60):

