

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006929.D
 Acq On : 16 Nov 2018 22:28
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 17 01:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	109001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	185512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	87483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	6389	7.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.56%	
35) Dibromofluoromethane	7.89	113	5249	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	
50) Toluene-d8	10.33	98	23557	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.62	95	10096	5.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	4620	4.989 ug/l	98
3) Chloromethane	2.21	50	4577	4.551 ug/l	98
4) Vinyl Chloride	2.36	62	4083	3.865 ug/l	99
5) Bromomethane	2.78	94	2859	4.147 ug/l	88
6) Chloroethane	2.92	64	2276	3.369 ug/l	92
7) Trichlorofluoromethane	3.26	101	8295	5.578 ug/l	98
8) Diethyl Ether	3.70	74	3339	7.332 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	5776	5.765 ug/l	99
10) Methyl Iodide	4.28	142	3734	2.745 ug/l	97
11) Tert butyl alcohol	5.21	59	2228	38.764 ug/l #	85
12) 1,1-Dichloroethene	4.04	96	4807	5.620 ug/l	98
13) Acrolein	3.90	56	1756	29.246 ug/l	94
14) Allyl chloride	4.68	41	8599	7.177 ug/l	99
15) Acrylonitrile	5.38	53	6606	38.024 ug/l	94
16) Acetone	4.14	43	5106	40.290 ug/l	99
17) Carbon Disulfide	4.39	76	14821	5.480 ug/l	99
18) Methyl Acetate	4.68	43	4273	9.823 ug/l	96
19) Methyl tert-butyl Ether	5.44	73	15343	7.243 ug/l	93
20) Methylene Chloride	4.93	84	10521	7.958 ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	6063	6.004 ug/l	97
22) Diisopropyl ether	6.32	45	18177	7.365 ug/l	99
23) Vinyl Acetate	6.26	43	48053	34.574 ug/l	99
24) 1,1-Dichloroethane	6.23	63	10528	6.622 ug/l	97
25) 2-Butanone	7.18	43	8564	40.235 ug/l	95
26) 2,2-Dichloropropane	7.17	77	10013	6.452 ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	6552	6.041 ug/l	93
28) Bromochloromethane	7.51	49	4459	7.965 ug/l #	98
29) Tetrahydrofuran	7.54	42	5436	39.895 ug/l	97
30) Chloroform	7.68	83	12483	7.243 ug/l	94
31) Cyclohexane	7.95	56	12295	7.641 ug/l #	83
32) 1,1,1-Trichloroethane	7.88	97	10080	6.161 ug/l	99
36) 1,1-Dichloropropene	8.09	75	9021	5.190 ug/l	98
37) Ethyl Acetate	7.26	43	4385	7.386 ug/l	98
38) Carbon Tetrachloride	8.07	117	8409	4.528 ug/l	93

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 Acq On : 16 Nov 2018 22:28
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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 17 01:24:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10416	4.674	ug/l	96
40) Benzene	8.33	78	24765	5.100	ug/l	98
41) Methacrylonitrile	7.49	41	2517	6.872	ug/l	94
42) 1,2-Dichloroethane	8.40	62	8016	6.068	ug/l	98
43) Isopropyl Acetate	8.43	43	7451	6.443	ug/l	99
44) Trichloroethene	9.10	130	6516	4.356	ug/l	95
45) 1,2-Dichloropropane	9.37	63	6544	5.716	ug/l	99
46) Dibromomethane	9.46	93	3382	5.387	ug/l	99
47) Bromodichloromethane	9.65	83	8492	5.410	ug/l #	88
48) Methyl methacrylate	9.44	41	3884	6.904	ug/l	89
49) 1,4-Dioxane	9.48	88	923	96.898	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	19478	33.712	ug/l	98
52) Toluene	10.40	92	16730	4.911	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	7643	4.944	ug/l	92
54) cis-1,3-Dichloropropene	10.08	75	9369	5.107	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	5112	5.485	ug/l	93
56) Ethyl methacrylate	10.65	69	5873	5.644	ug/l	97
57) 1,3-Dichloropropane	10.94	76	8122	5.447	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	15363	29.968	ug/l	99
59) 2-Hexanone	10.98	43	12156	30.674	ug/l	100
60) Dibromochloromethane	11.13	129	4984	4.421	ug/l	97
61) 1,2-Dibromoethane	11.24	107	4433	5.032	ug/l	99
64) Tetrachloroethene	10.87	164	5739	4.204	ug/l	95
65) Chlorobenzene	11.66	112	18617	4.789	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	5570	4.428	ug/l	94
67) Ethyl Benzene	11.73	91	32711	4.902	ug/l	99
68) m/p-Xylenes	11.85	106	25338	9.367	ug/l	99
69) o-Xylene	12.17	106	12045	4.772	ug/l	98
70) Styrene	12.19	104	18912	4.671	ug/l	100
71) Bromoform	12.35	173	2528	3.773	ug/l #	95
73) Isopropylbenzene	12.47	105	32288	5.209	ug/l	99
74) N-amyl acetate	12.28	43	6490	6.529	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	5073	5.864	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	6645	10.064	ug/l #	100
77) Bromobenzene	12.75	156	7022	4.605	ug/l	95
78) n-propylbenzene	12.81	91	39077	5.326	ug/l	100
79) 2-Chlorotoluene	12.90	91	23313	5.620	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	27553	5.173	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.51	75	1392	5.272	ug/l	96
82) 4-Chlorotoluene	12.99	91	24587	5.561	ug/l	98
83) tert-Butylbenzene	13.21	119	23445	5.019	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	28028	5.179	ug/l	98
85) sec-Butylbenzene	13.39	105	33896	5.112	ug/l	100
86) p-Isopropyltoluene	13.51	119	29788	4.975	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	14487	4.679	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	15107	4.926	ug/l	96
89) n-Butylbenzene	13.83	91	27609	5.003	ug/l	99
90) Hexachloroethane	14.10	117	4485	4.657	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	13250	4.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	908	6.381	ug/l	94

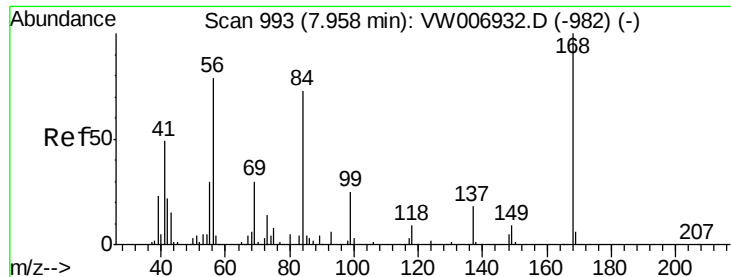
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
Data File : VW006929.D
Acq On : 16 Nov 2018 22:28
Operator : SY/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Nov 17 01:24:00 2018
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Quant Title : SW846 8260
QLast Update : Sat Nov 17 01:21:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	7795	3.916	ug/l	98
94) Hexachlorobutadiene	15.24	225	4273	3.478	ug/l	98
95) Naphthalene	15.37	128	14769	4.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	6923	4.050	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

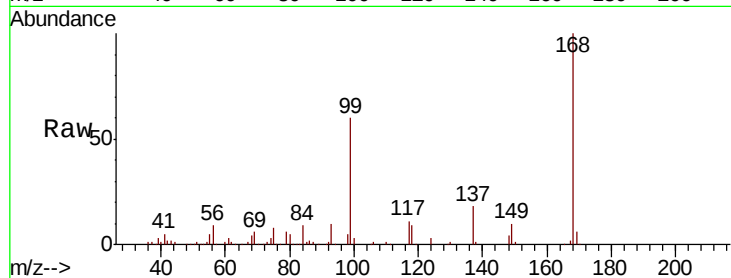
VSTDIC005

Tgt Ion:168 Resp: 109001

Ion Ratio Lower Upper

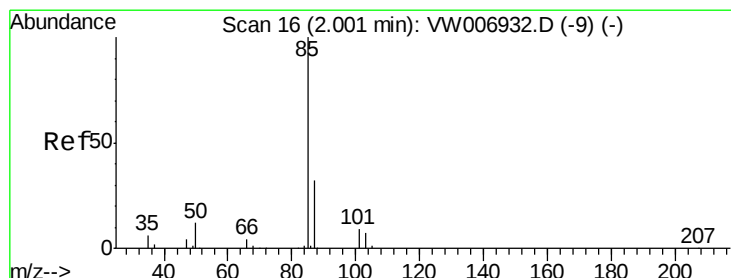
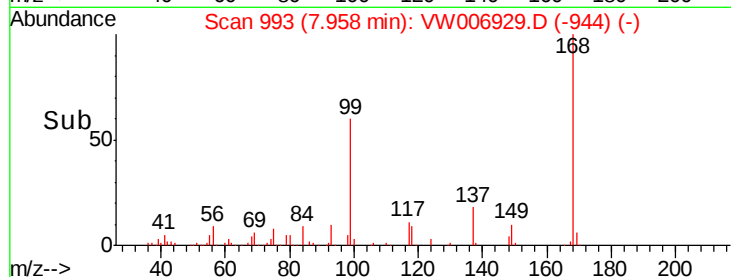
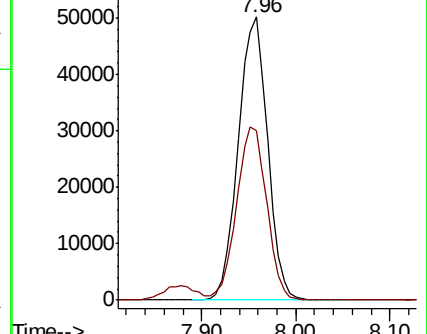
168 100

99 59.9 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.989 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006929.D

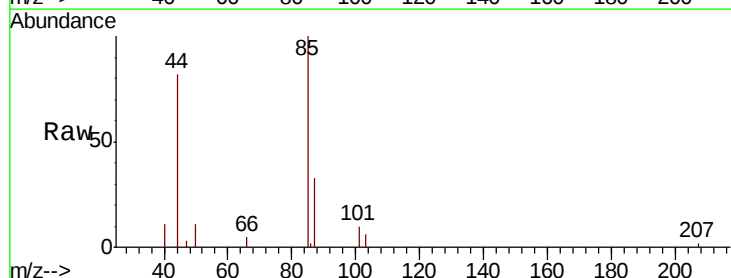
Acq: 16 Nov 2018 22:28

Tgt Ion: 85 Resp: 4620

Ion Ratio Lower Upper

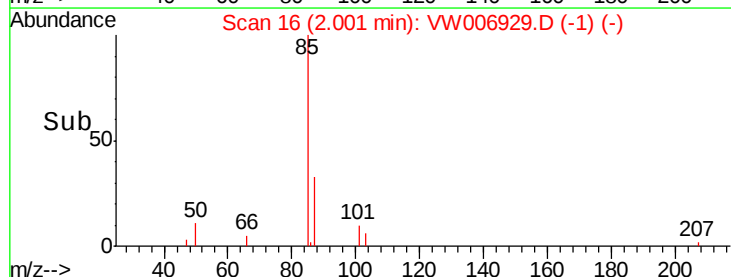
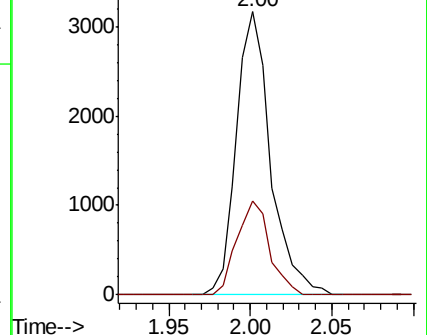
85 100

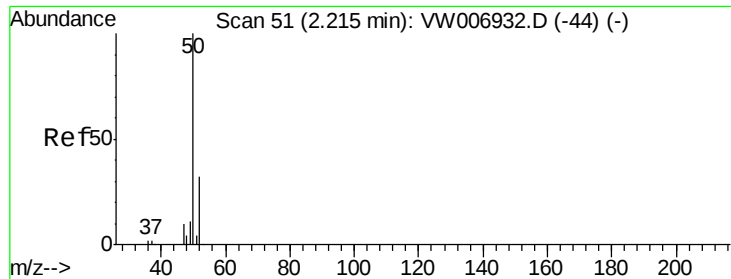
87 33.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 4.551 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

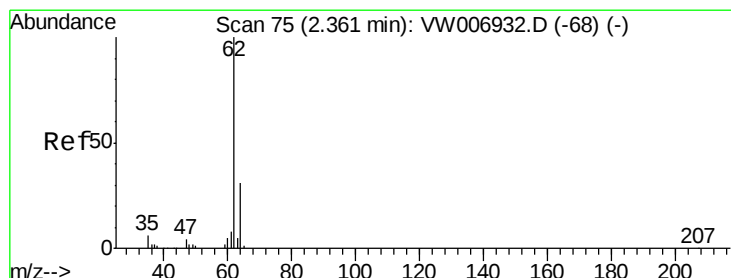
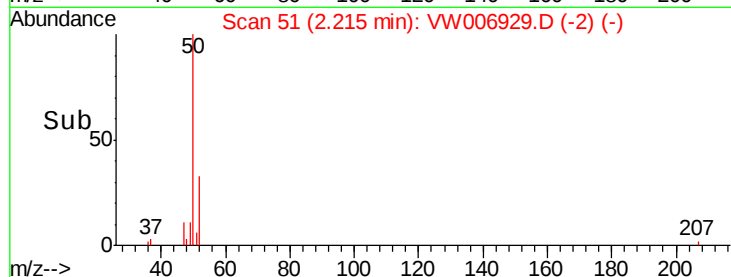
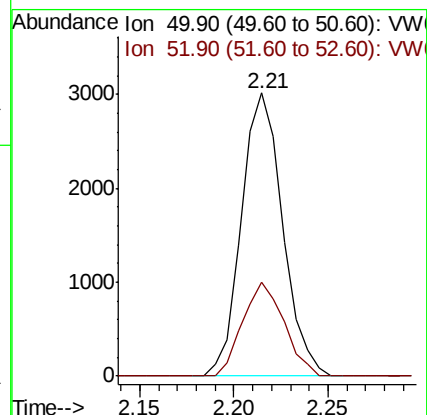
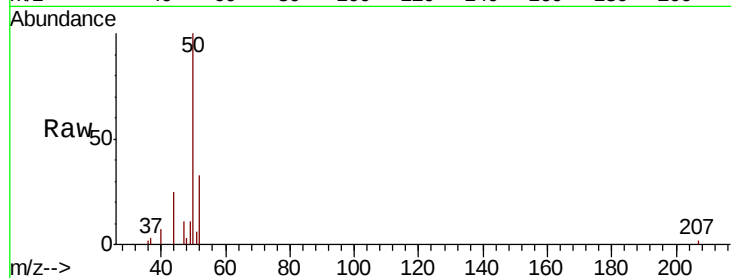
VSTDIC005

Tgt Ion: 50 Resp: 4577

Ion Ratio Lower Upper

50 100

52 33.2 25.4 38.2



#4

Vinyl Chloride

Concen: 3.865 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006929.D

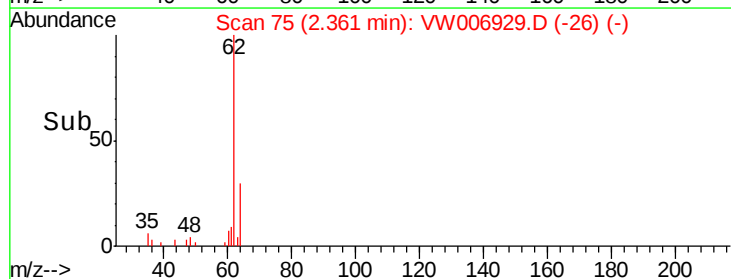
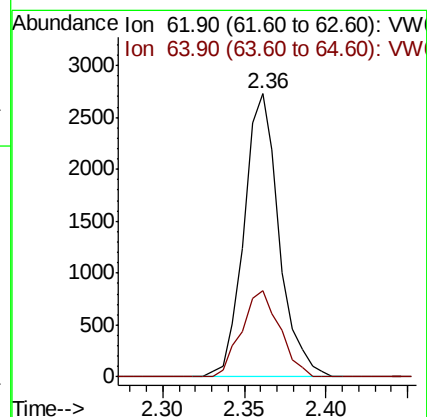
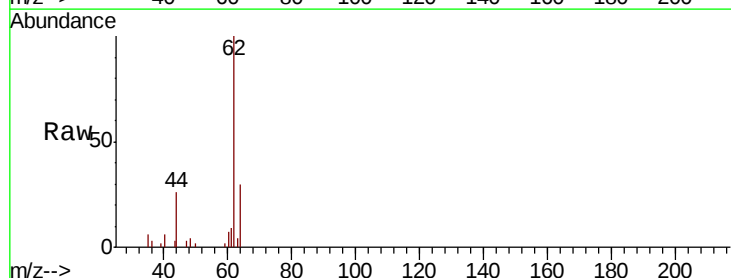
Acq: 16 Nov 2018 22:28

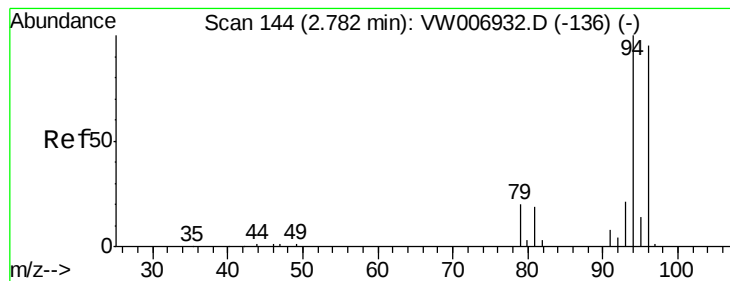
Tgt Ion: 62 Resp: 4083

Ion Ratio Lower Upper

62 100

64 30.3 24.6 37.0





#5

Bromomethane

Concen: 4.147 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

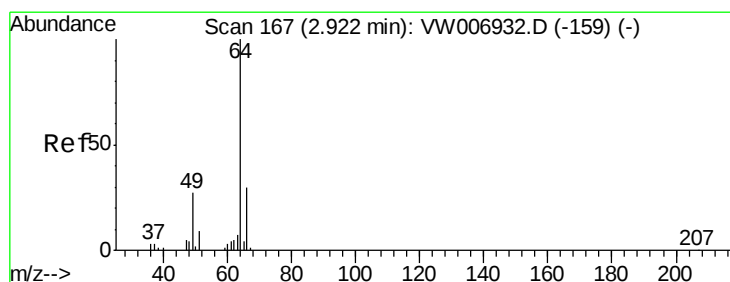
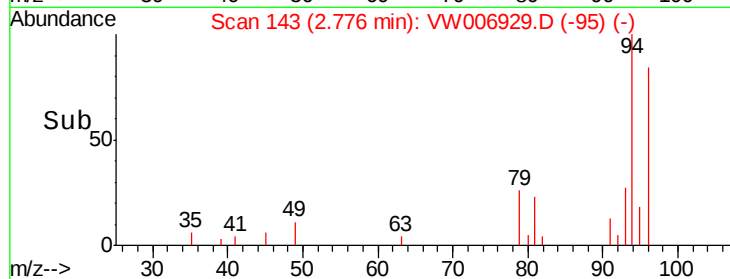
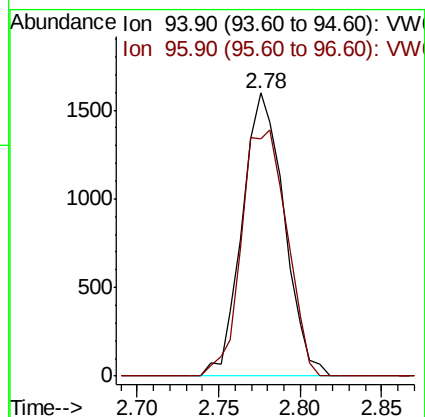
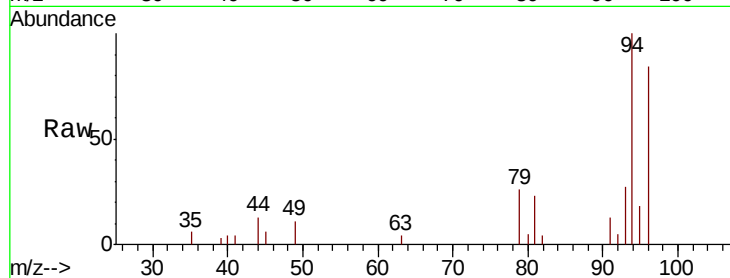
VSTDIC005

Tgt Ion: 94 Resp: 2859

Ion Ratio Lower Upper

94 100

96 83.8 76.2 114.4



#6

Chloroethane

Concen: 3.369 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006929.D

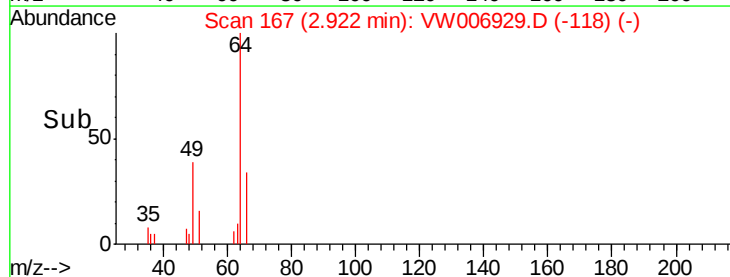
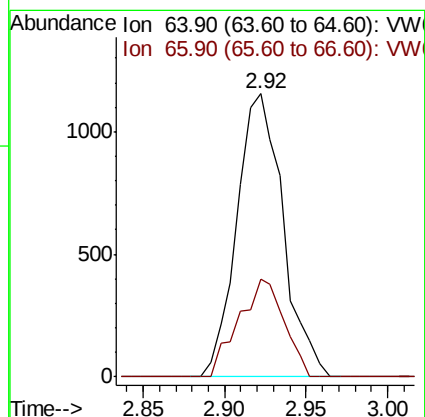
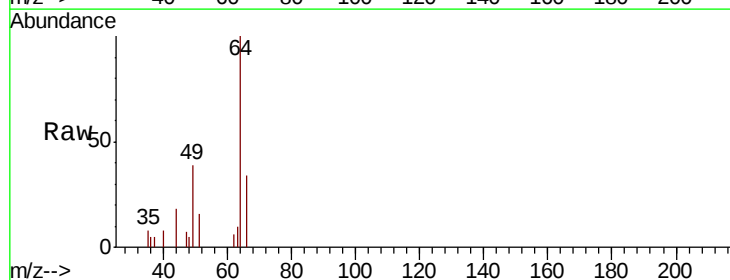
Acq: 16 Nov 2018 22:28

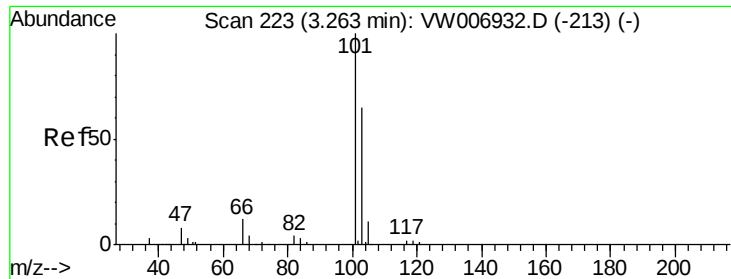
Tgt Ion: 64 Resp: 2276

Ion Ratio Lower Upper

64 100

66 34.4 24.0 36.0



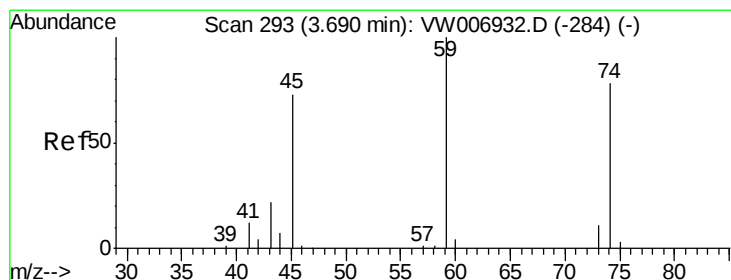
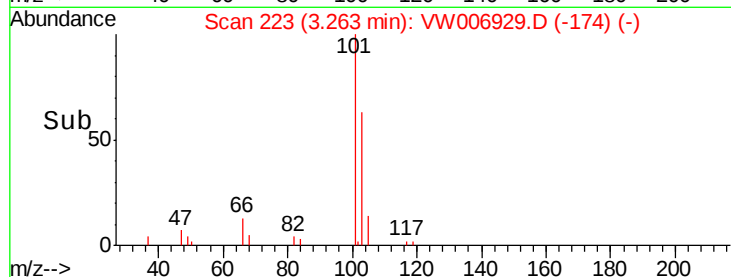
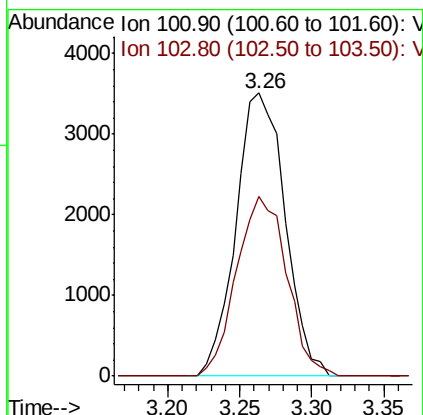
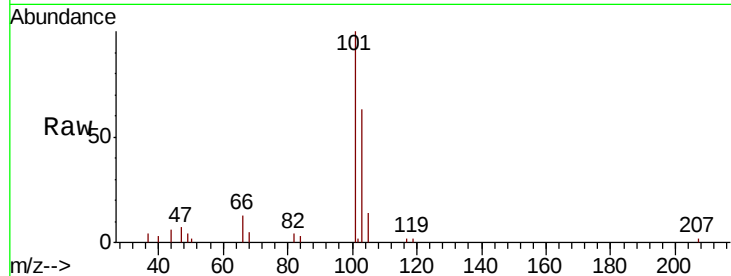


#7

Trichlorofluoromethane
 Concen: 5.578 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

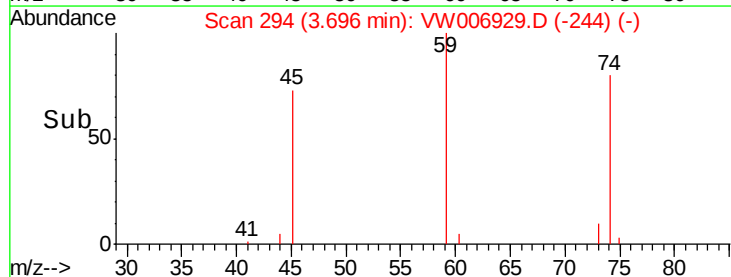
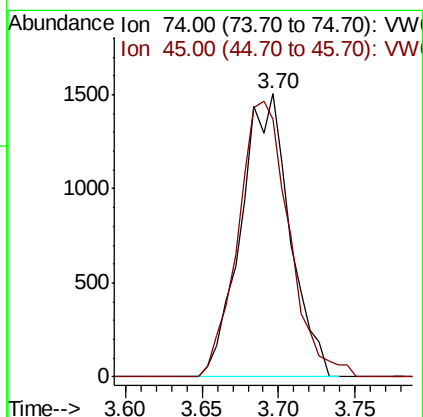
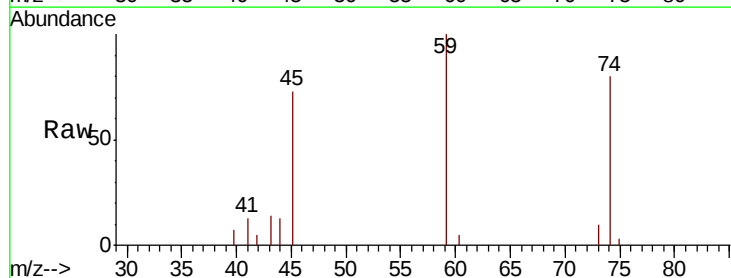
Tgt Ion:101 Resp: 8295
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.2 78.2

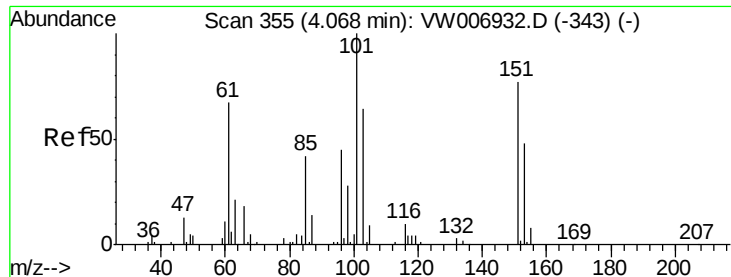


#8

Diethyl Ether
 Concen: 7.332 ug/l
 RT: 3.70 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 74 Resp: 3339
 Ion Ratio Lower Upper
 74 100
 45 101.9 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.765 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

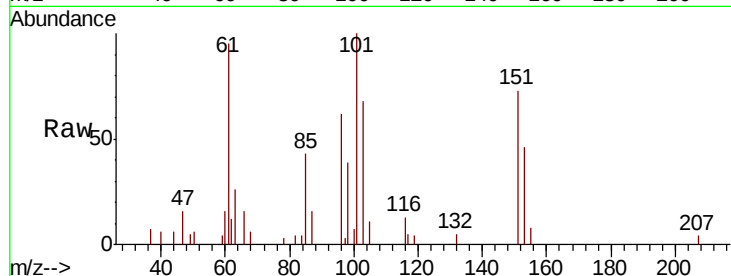
Tgt Ion:101 Resp: 5776

Ion Ratio Lower Upper

101 100

85 43.2 34.5 51.7

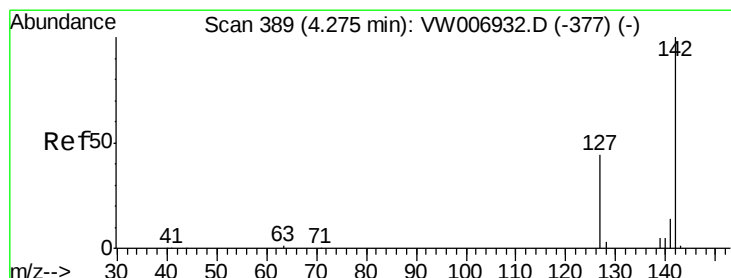
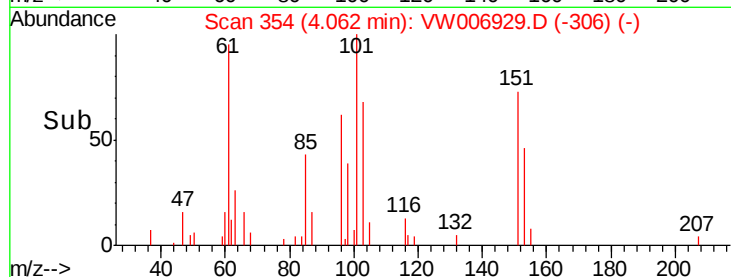
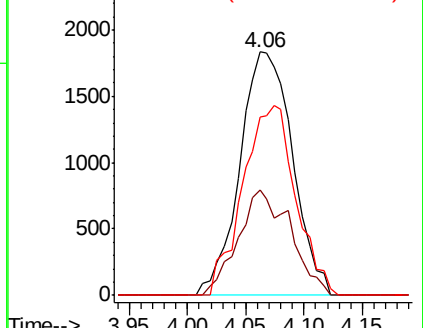
151 78.2 61.5 92.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.745 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

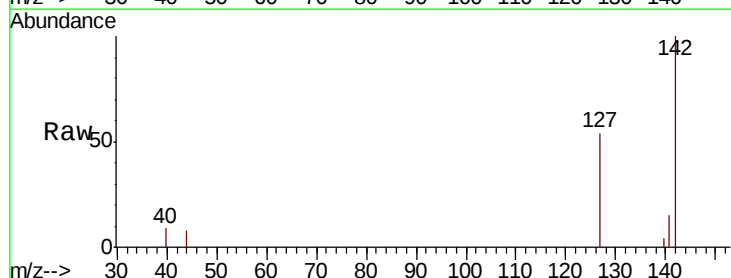
Tgt Ion:142 Resp: 3734

Ion Ratio Lower Upper

142 100

127 45.7 34.4 51.6

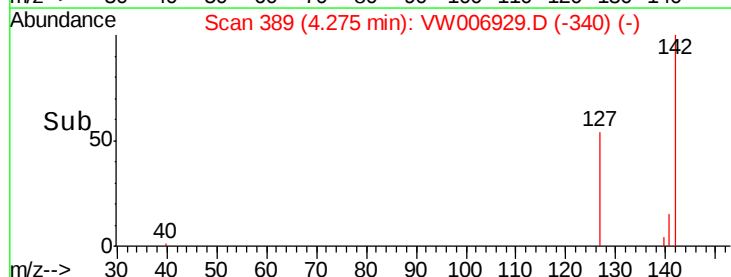
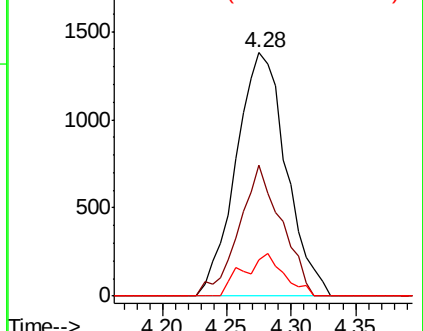
141 14.3 11.5 17.3

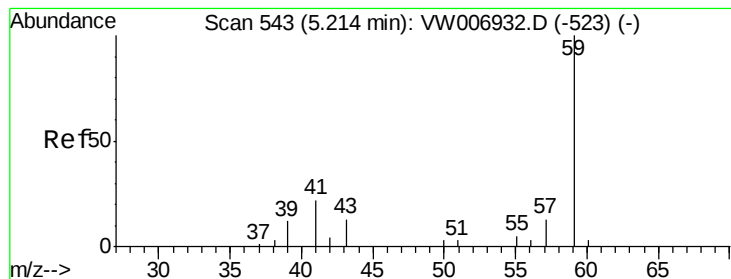


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



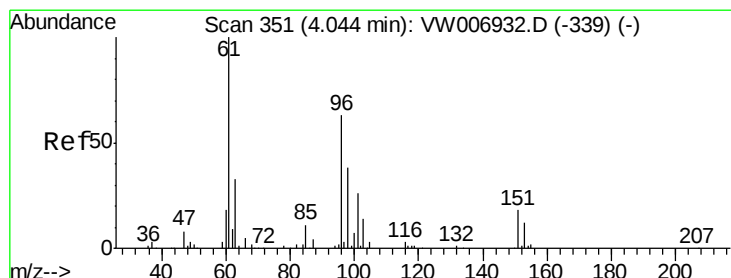
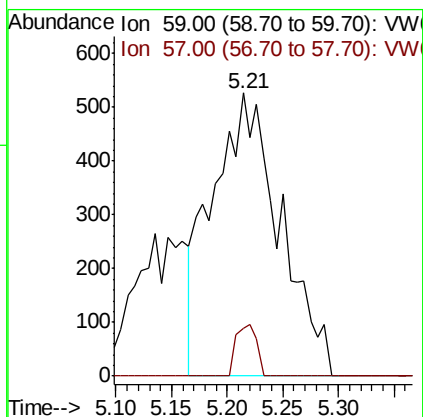
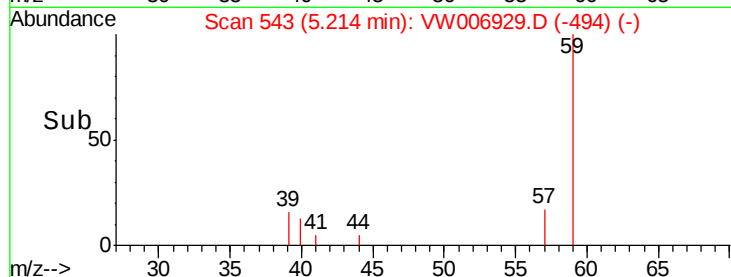
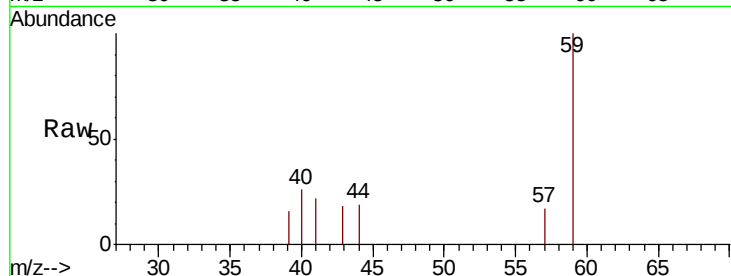


#11

Tert butyl alcohol
 Concen: 38.764 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

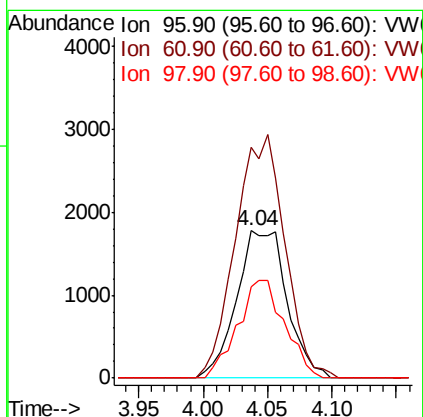
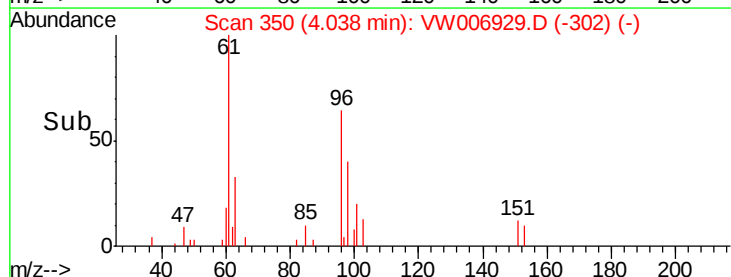
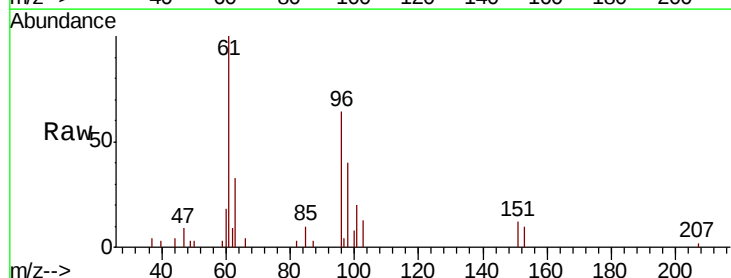
Tgt Ion: 59 Resp: 2228
 Ion Ratio Lower Upper
 59 100
 57 5.4 8.8 13.2#

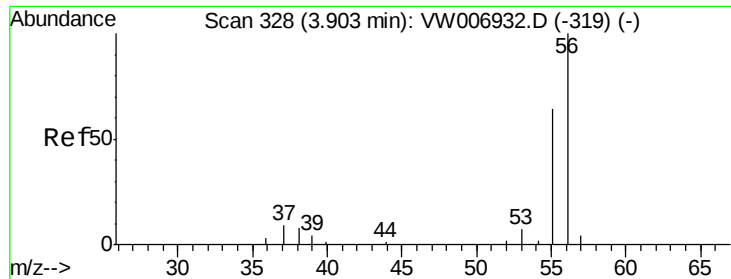


#12

1,1-Dichloroethene
 Concen: 5.620 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 96 Resp: 4807
 Ion Ratio Lower Upper
 96 100
 61 156.6 127.8 191.8
 98 62.2 48.3 72.5





#13

Acrolein

Concen: 29.246 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

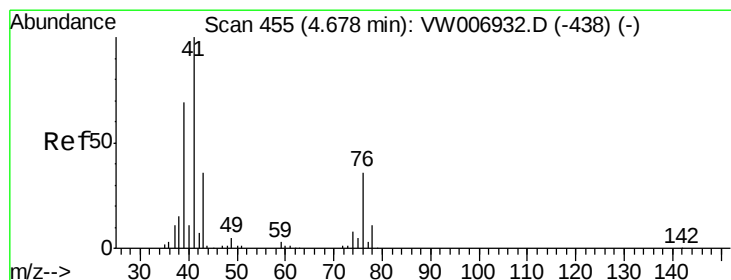
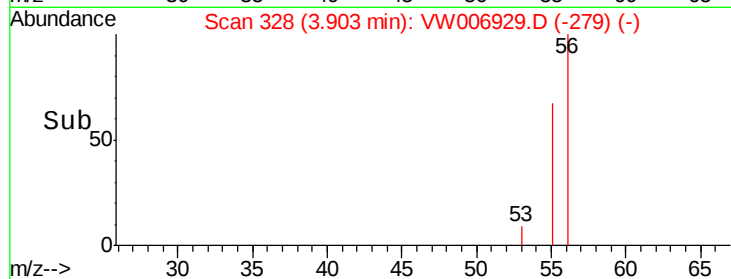
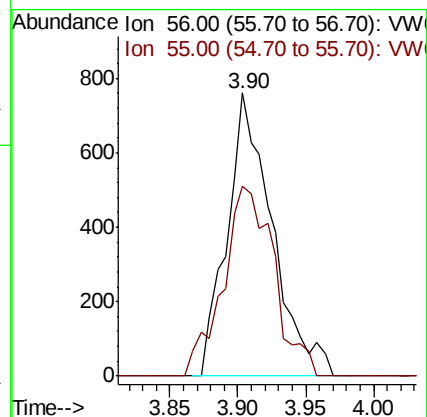
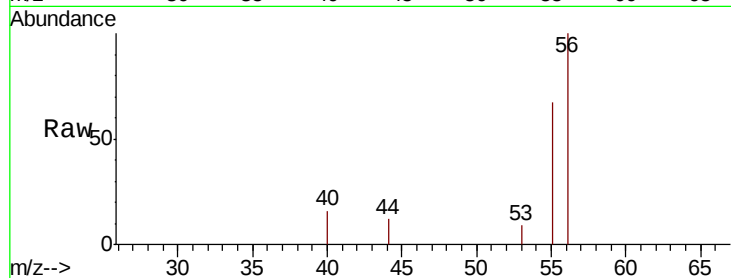
VSTDIC005

Tgt Ion: 56 Resp: 1756

Ion Ratio Lower Upper

56 100

55 75.8 56.5 84.7



#14

Allyl chloride

Concen: 7.177 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

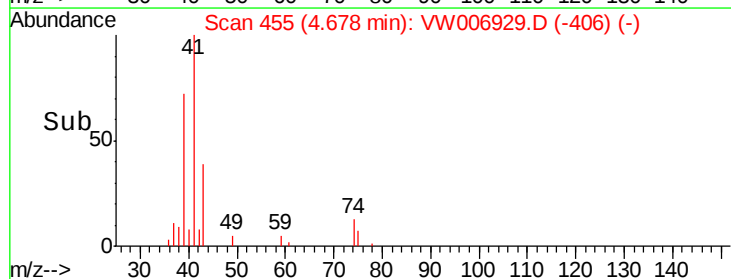
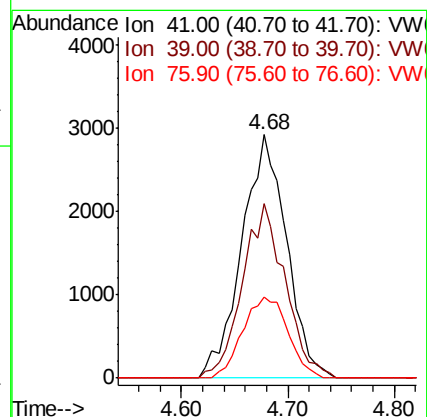
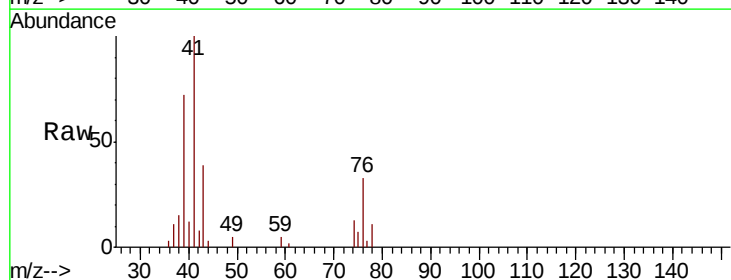
Tgt Ion: 41 Resp: 8599

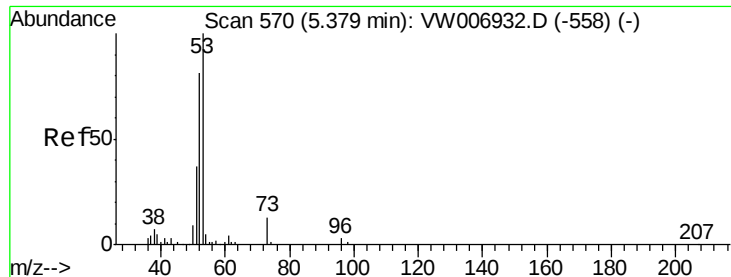
Ion Ratio Lower Upper

41 100

39 68.7 55.0 82.4

76 33.9 28.0 42.0





#15

Acrylonitrile

Concen: 38.024 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

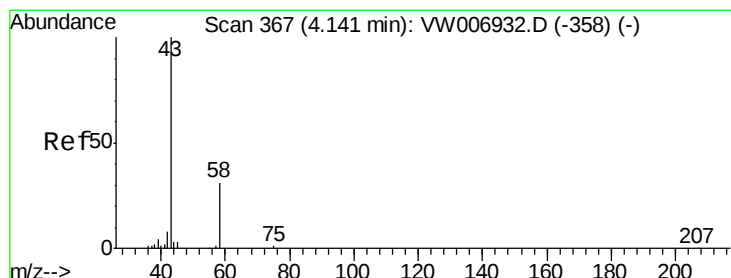
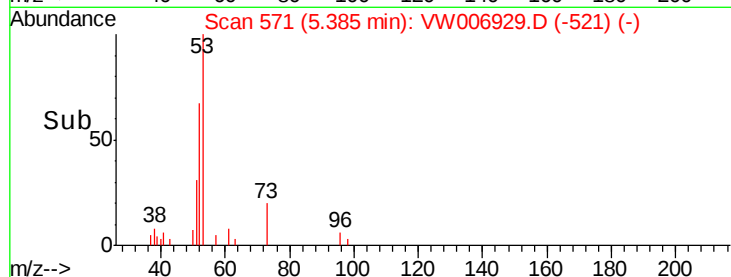
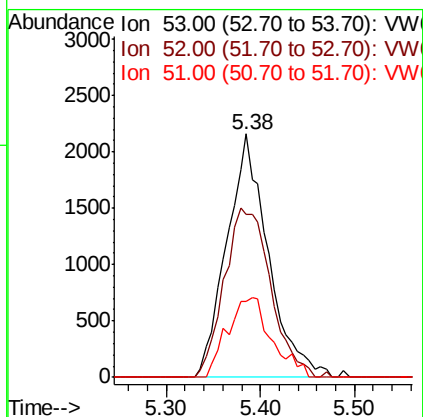
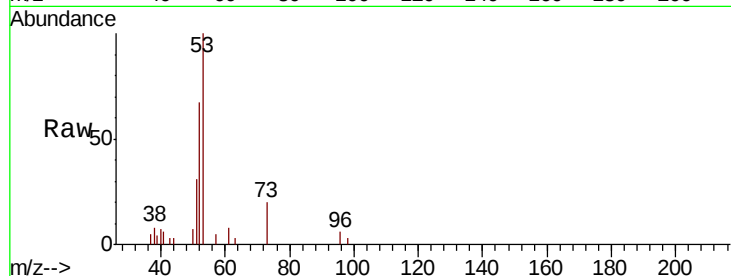
Tgt Ion: 53 Resp: 6606

Ion Ratio Lower Upper

53 100

52 77.6 67.0 100.6

51 34.8 29.8 44.6



#16

Acetone

Concen: 40.290 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW006929.D

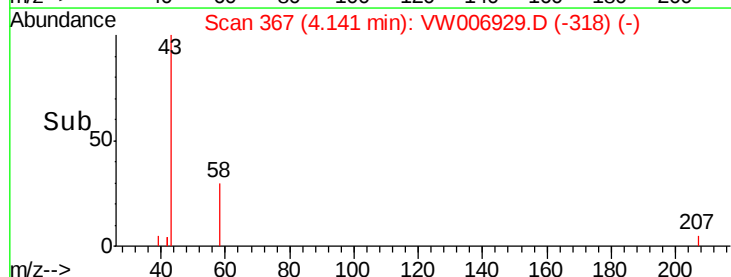
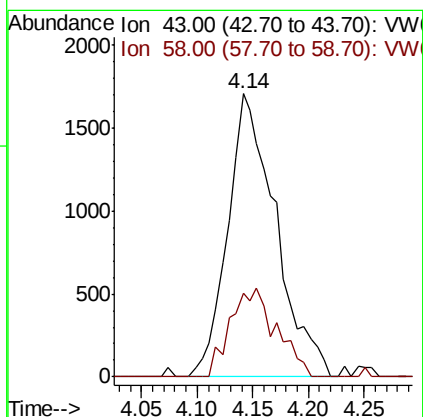
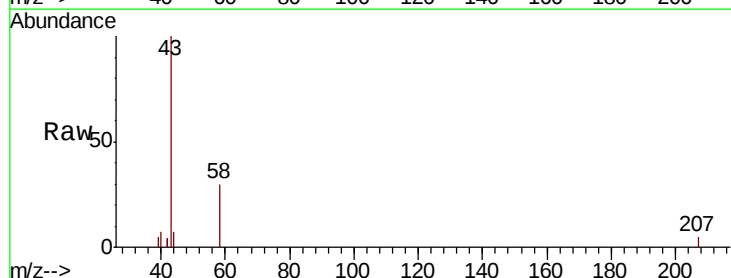
Acq: 16 Nov 2018 22:28

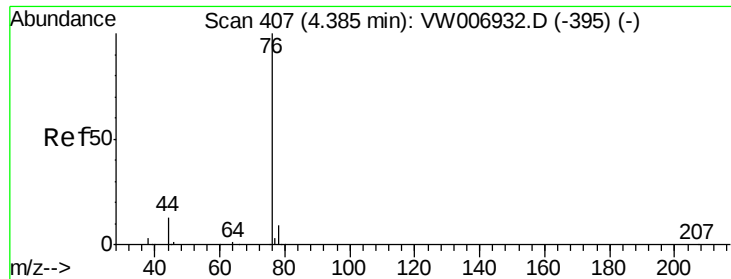
Tgt Ion: 43 Resp: 5106

Ion Ratio Lower Upper

43 100

58 29.6 24.2 36.4

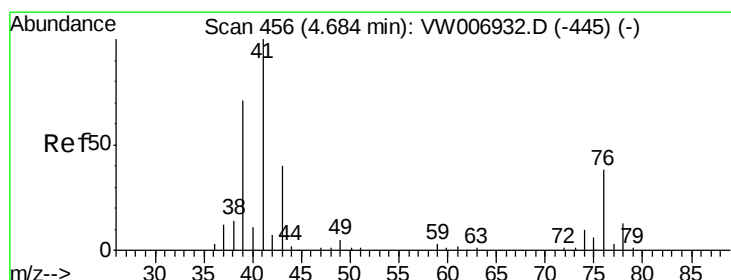
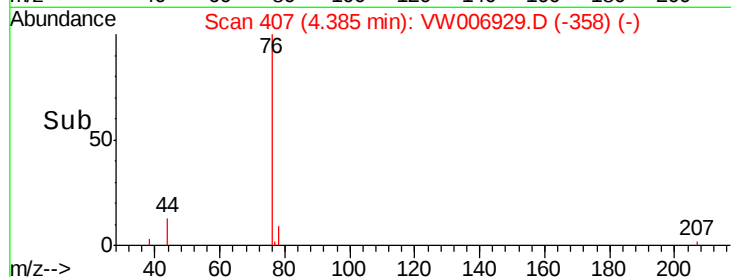
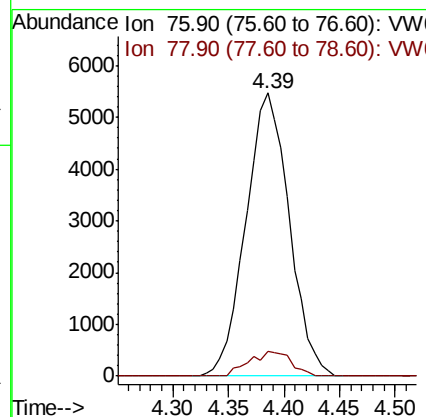
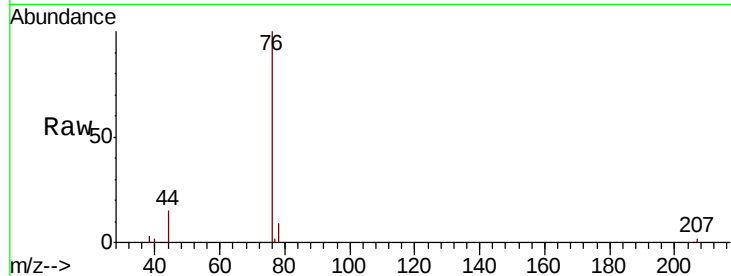




#17
Carbon Disulfide
Concen: 5.480 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

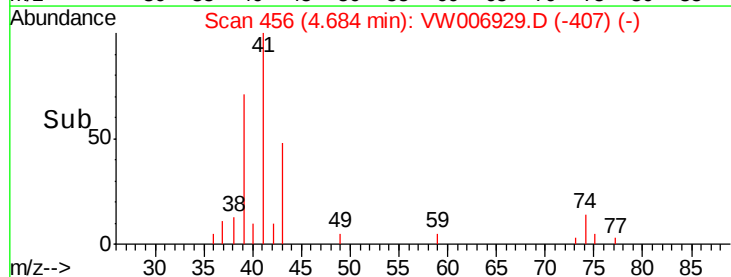
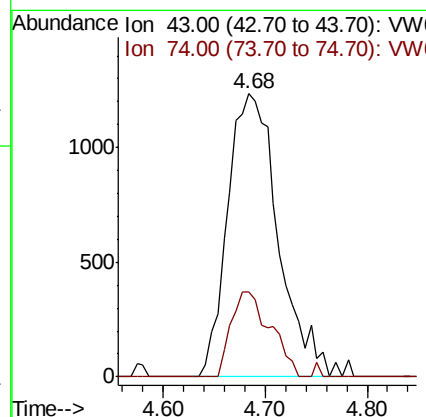
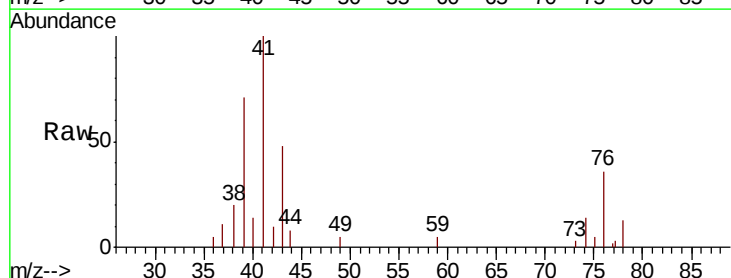
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

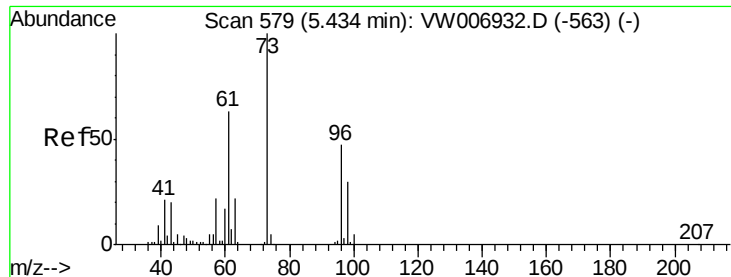
Tgt Ion: 76 Resp: 14821
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 9.823 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 43 Resp: 4273
Ion Ratio Lower Upper
43 100
74 23.2 20.3 30.5





#19

Methyl tert-butyl Ether

Concen: 7.243 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

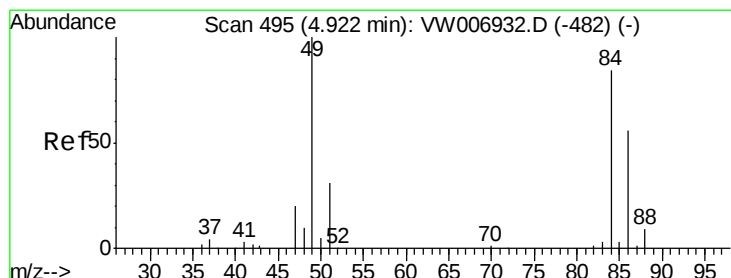
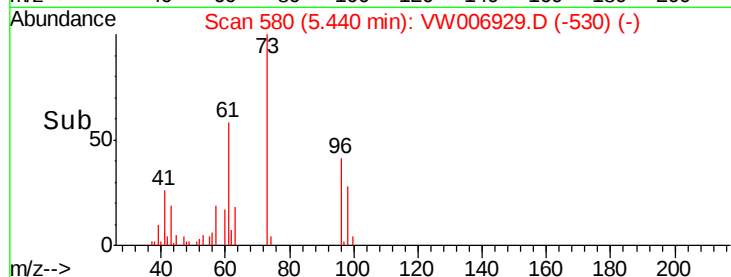
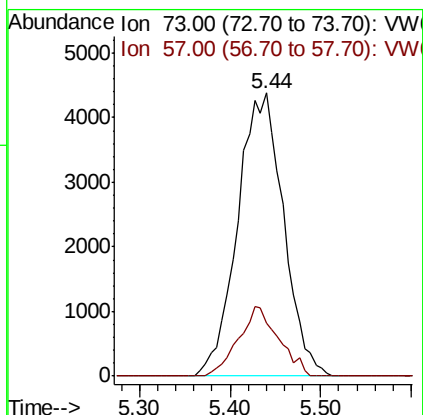
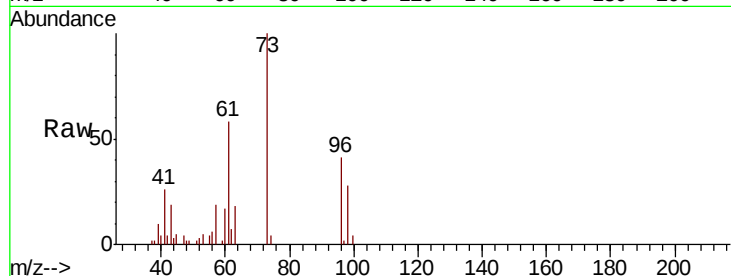
VSTDIC005

Tgt Ion: 73 Resp: 15343

Ion Ratio Lower Upper

73 100

57 18.5 17.5 26.3



#20

Methylene Chloride

Concen: 7.958 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Tgt Ion: 84 Resp: 10521

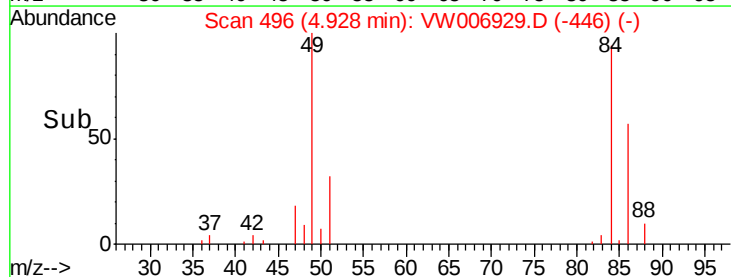
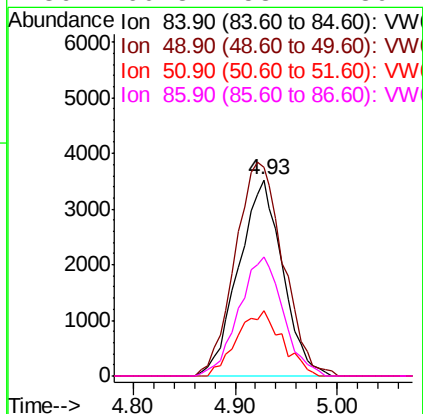
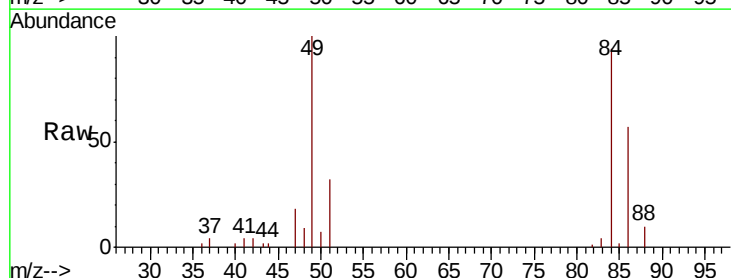
Ion Ratio Lower Upper

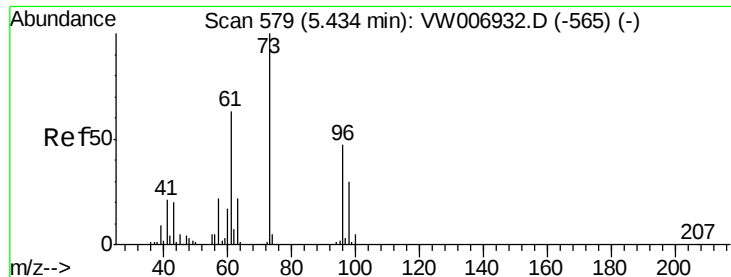
84 100

49 106.5 95.4 143.2

51 33.6 29.5 44.3

86 60.8 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 6.004 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

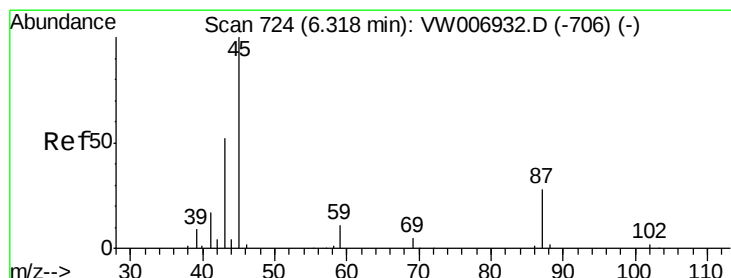
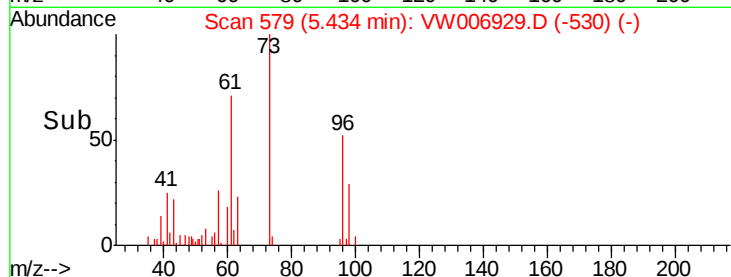
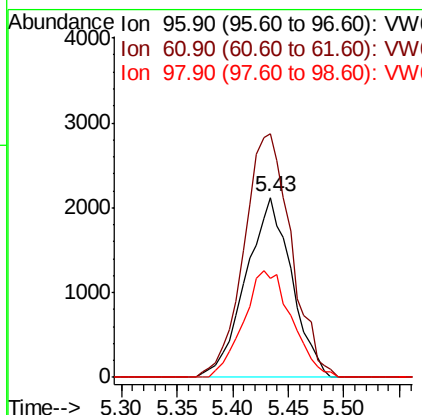
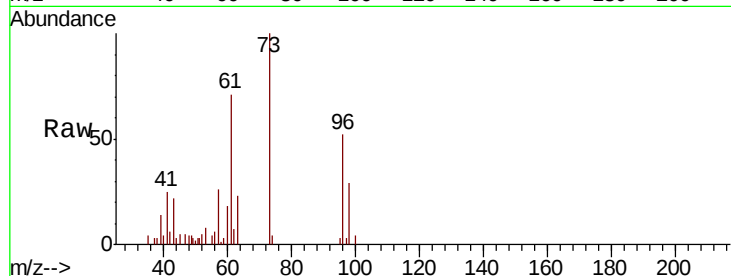
Tgt Ion: 96 Resp: 6063

Ion Ratio Lower Upper

96 100

61 135.6 108.2 162.4

98 55.2 50.6 76.0



#22

Diisopropyl ether

Concen: 7.365 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Tgt Ion: 45 Resp: 18177

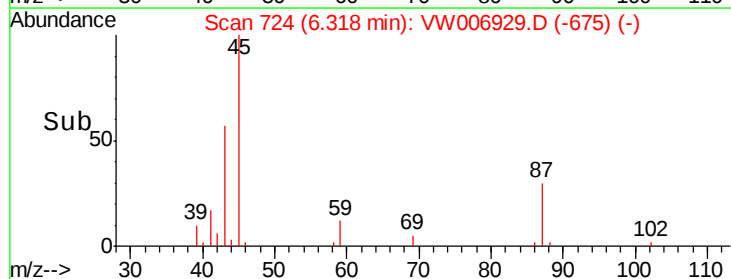
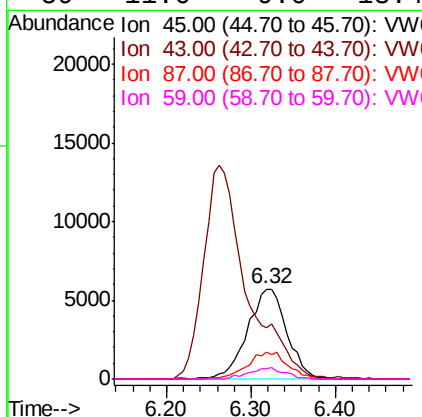
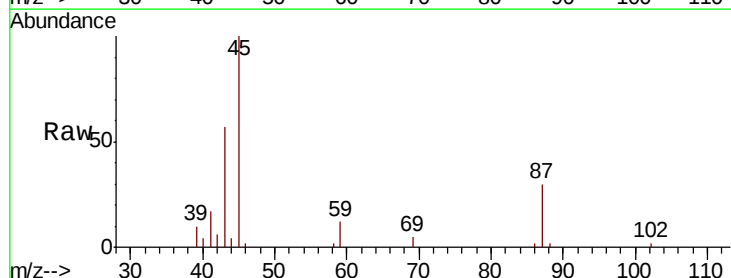
Ion Ratio Lower Upper

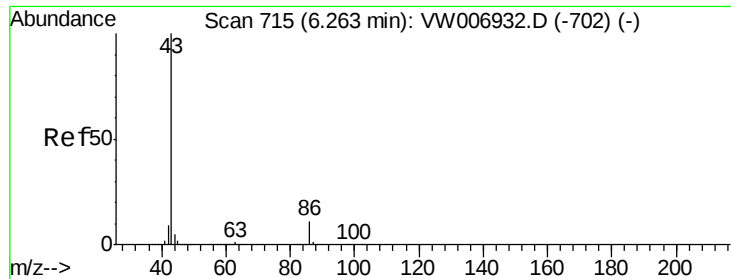
45 100

43 53.9 43.1 64.7

87 29.9 22.7 34.1

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 34.574 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

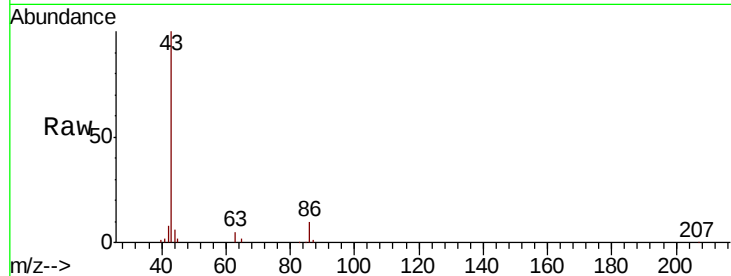
VSTDIC005

Tgt Ion: 43 Resp: 48053

Ion Ratio Lower Upper

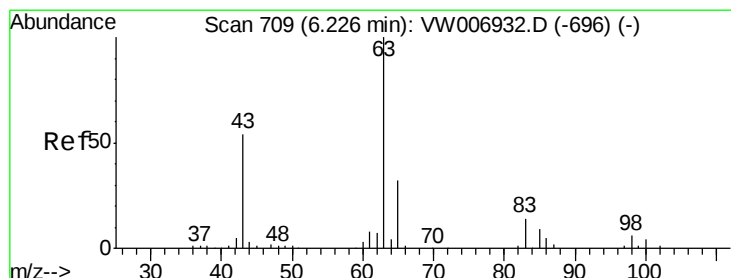
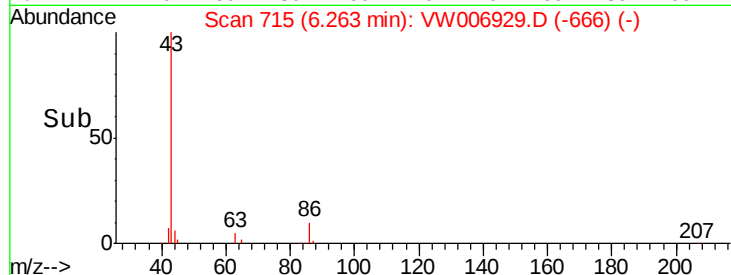
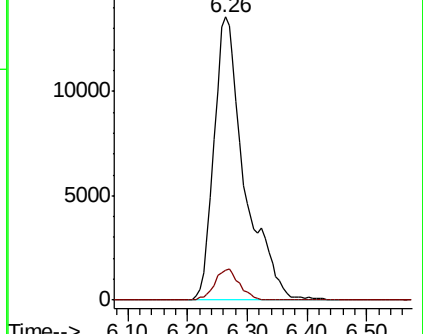
43 100

86 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 6.622 ug/l

RT: 6.23 min Scan# 709

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

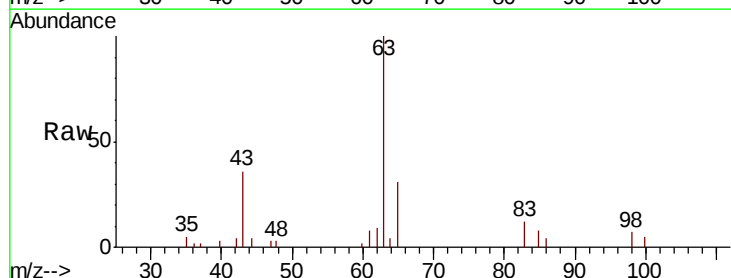
Tgt Ion: 63 Resp: 10528

Ion Ratio Lower Upper

63 100

98 7.5 3.2 9.6

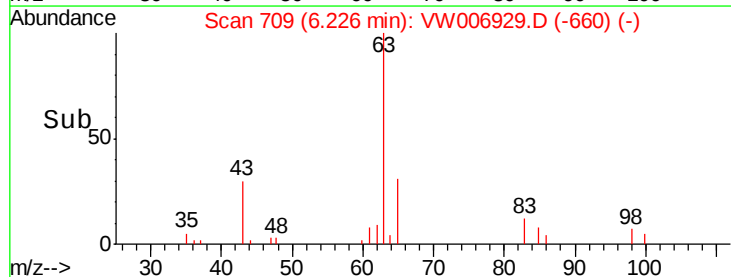
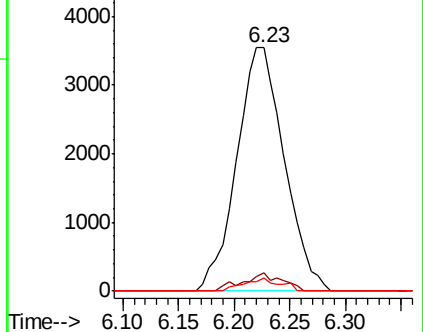
100 5.4 2.1 6.5

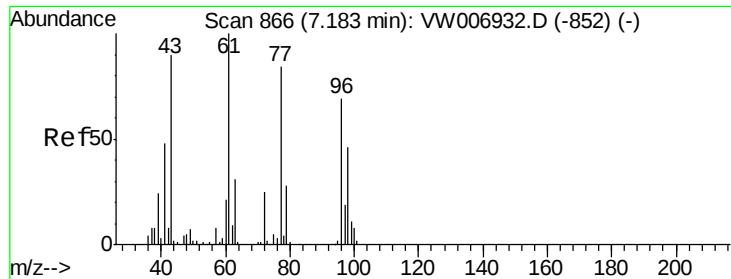


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 40.235 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

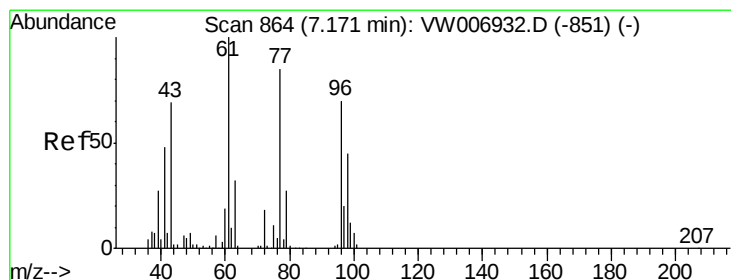
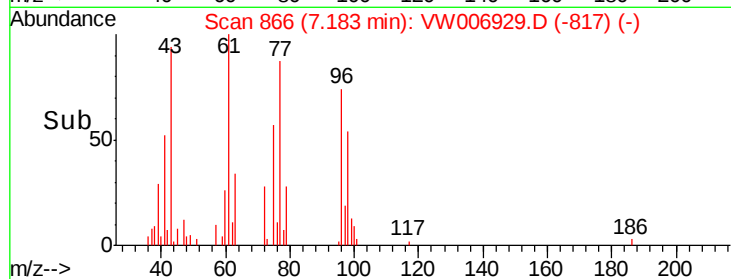
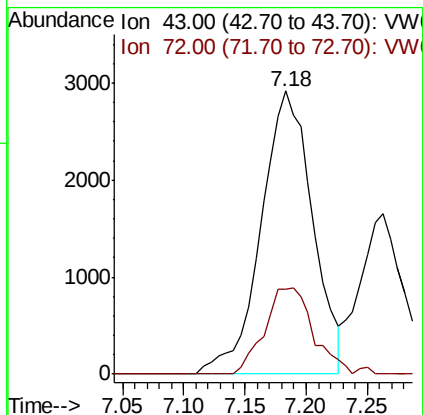
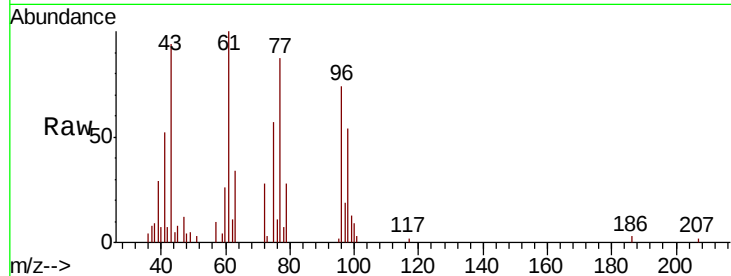
VSTDIC005

Tgt Ion: 43 Resp: 8564

Ion Ratio Lower Upper

43 100

72 30.2 22.1 33.1



#26

2,2-Dichloropropane

Concen: 6.452 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006929.D

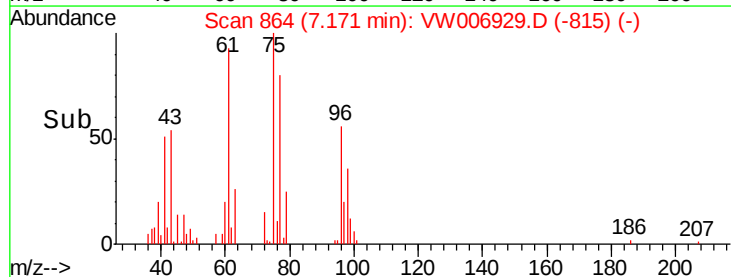
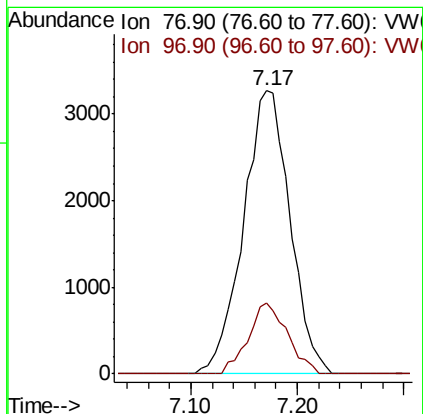
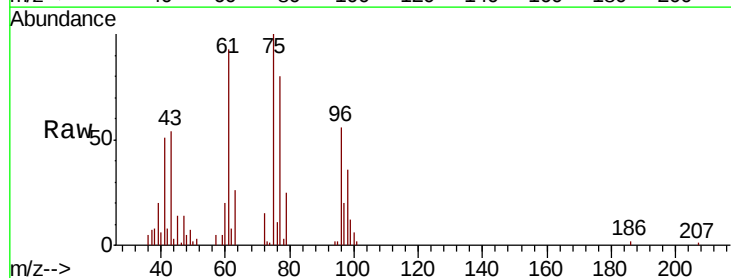
Acq: 16 Nov 2018 22:28

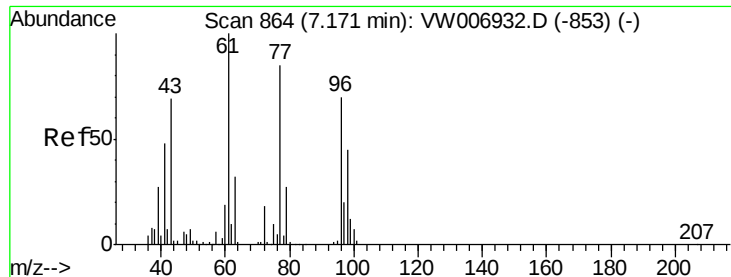
Tgt Ion: 77 Resp: 10013

Ion Ratio Lower Upper

77 100

97 21.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 6.041 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

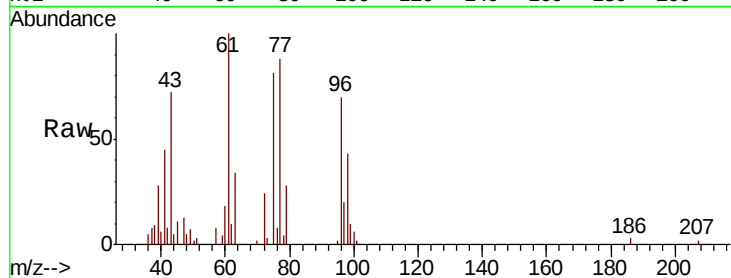
Tgt Ion: 96 Resp: 6552

Ion Ratio Lower Upper

96 100

61 158.8 0.0 293.8

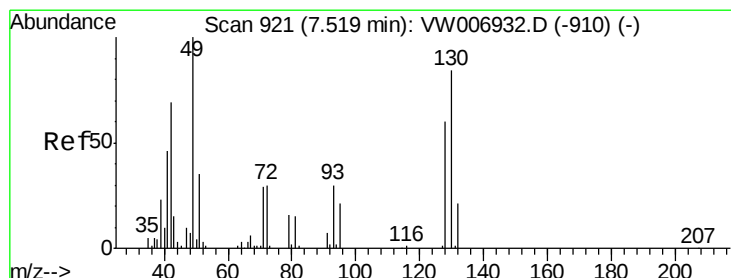
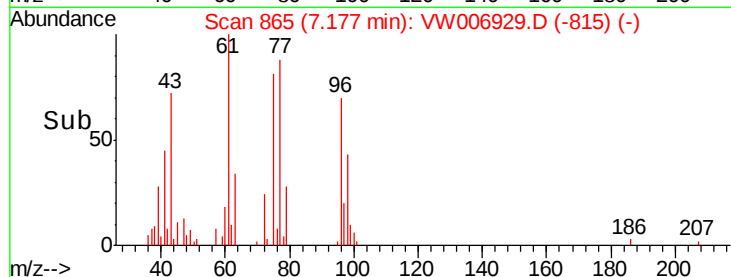
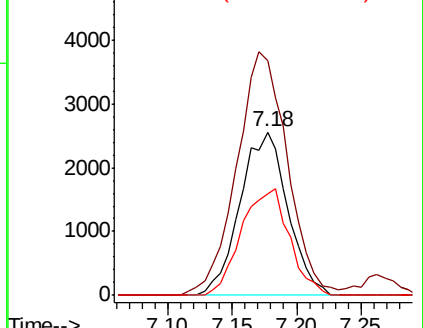
98 65.8 0.0 131.0



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: 7.965 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

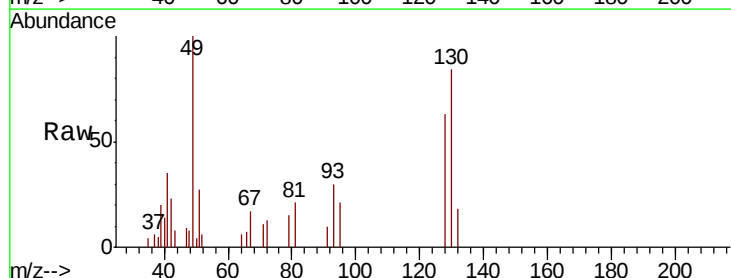
Tgt Ion: 49 Resp: 4459

Ion Ratio Lower Upper

49 100

129 0.0 0.0 1.6

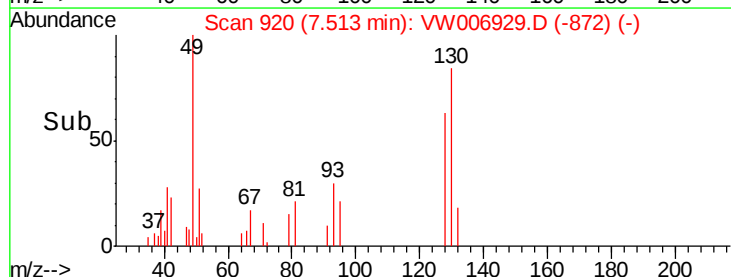
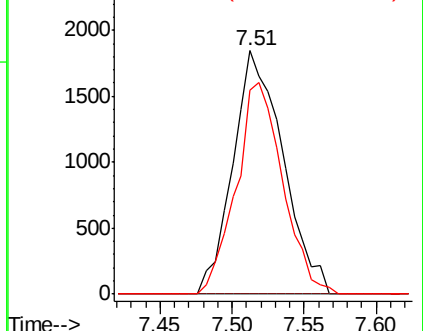
130 80.9 66.1 99.1

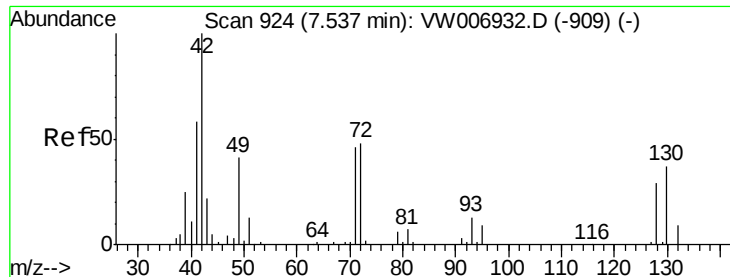


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

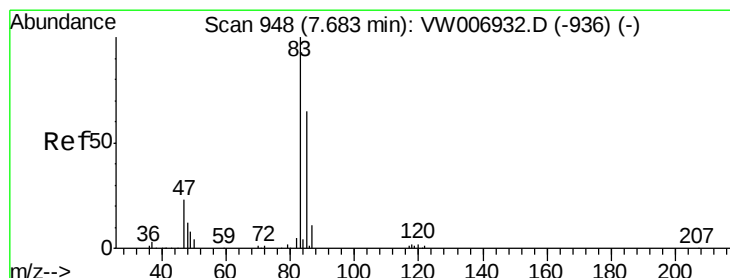
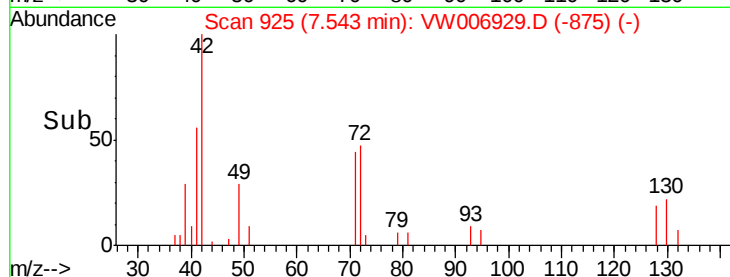
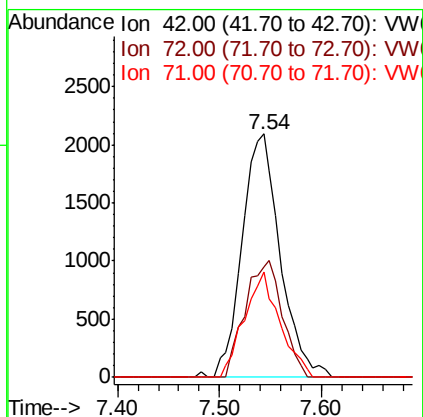
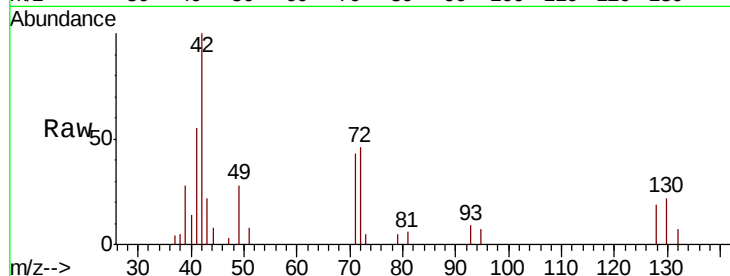




#29
Tetrahydrofuran
Concen: 39.895 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

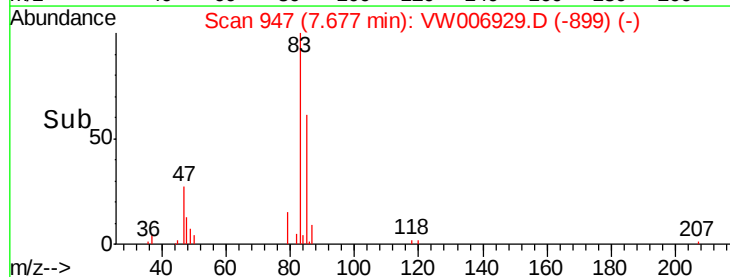
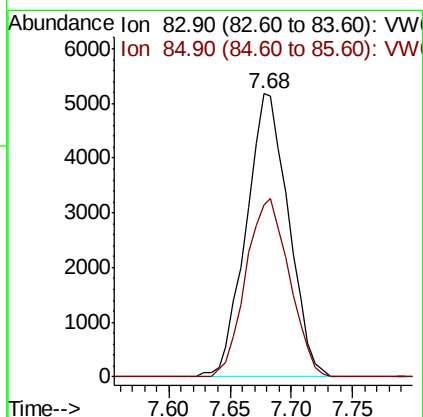
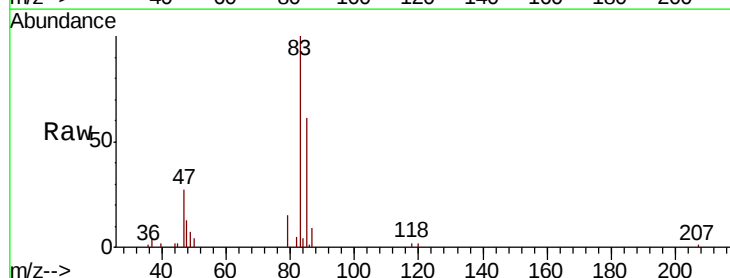
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

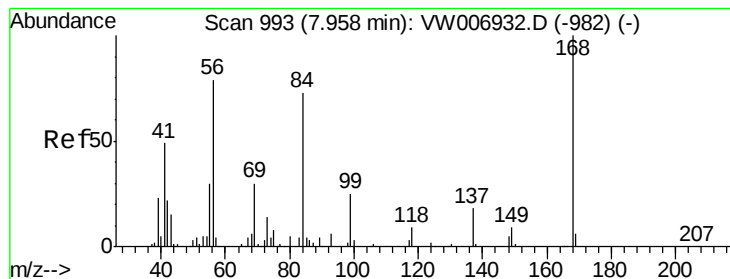
Tgt Ion: 42 Resp: 5436
Ion Ratio Lower Upper
42 100
72 46.7 35.7 53.5
71 40.3 33.7 50.5



#30
Chloroform
Concen: 7.243 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 83 Resp: 12483
Ion Ratio Lower Upper
83 100
85 60.8 52.2 78.4





#31

Cyclohexane

Concen: 7.641 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

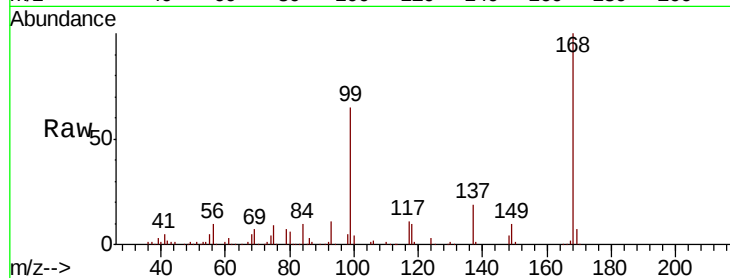
Tgt Ion: 56 Resp: 12295

Ion Ratio Lower Upper

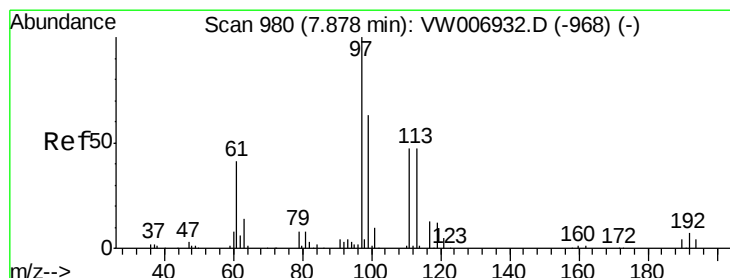
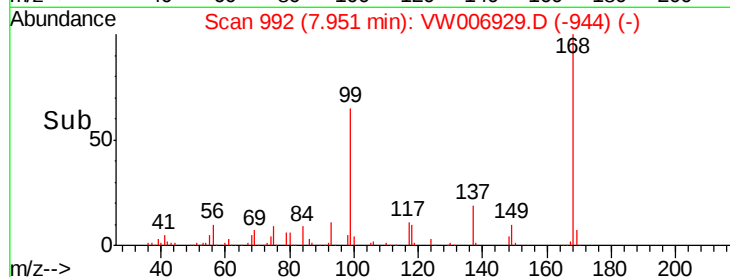
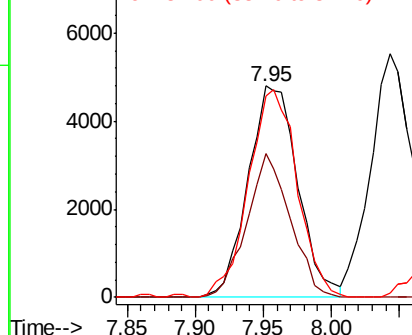
56 100

69 68.0 30.2 45.2#

84 95.5 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 6.161 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

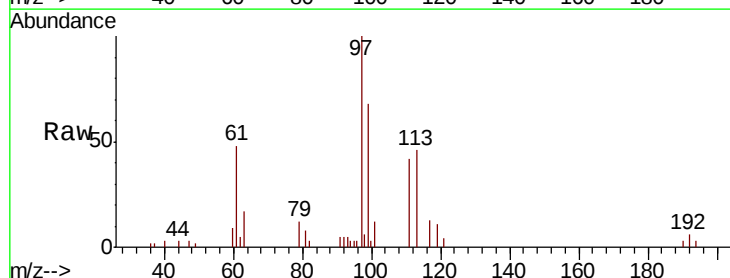
Tgt Ion: 97 Resp: 10080

Ion Ratio Lower Upper

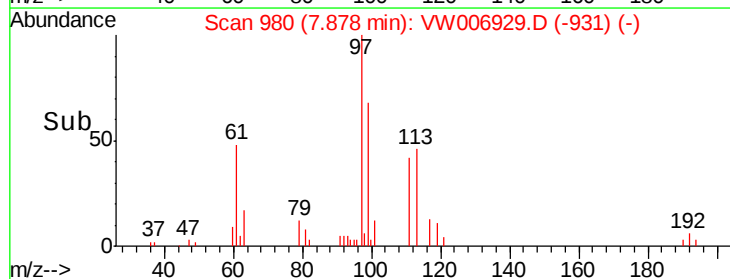
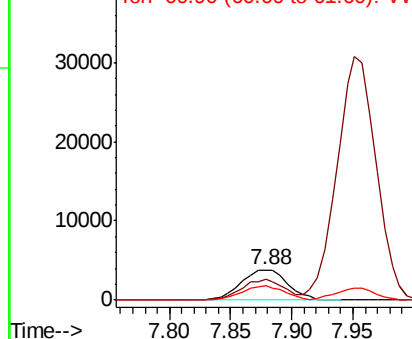
97 100

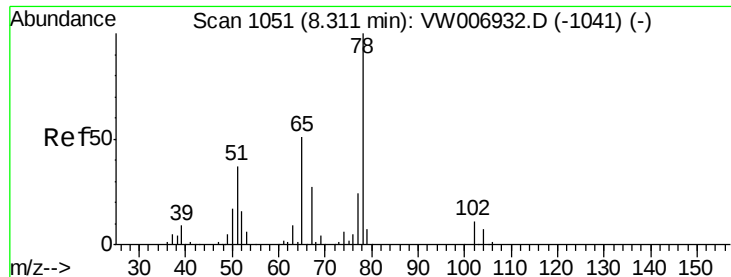
99 63.7 51.0 76.6

61 43.6 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

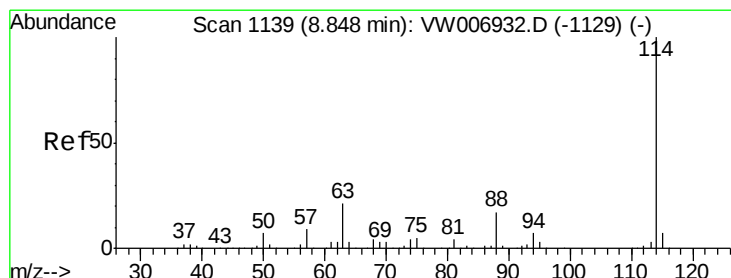
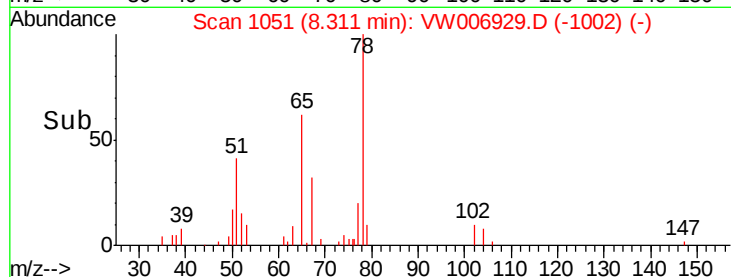
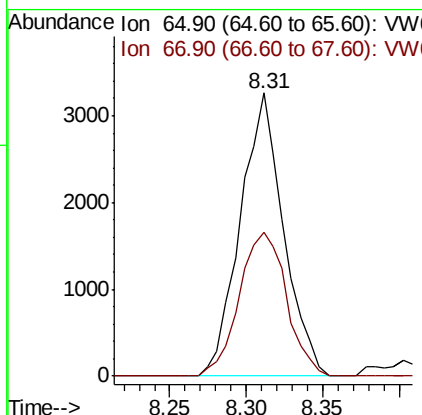
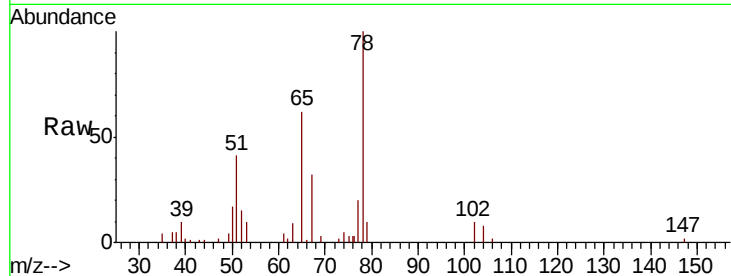




#33
 1,2-Dichloroethane-d4
 Concen: 7.275 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

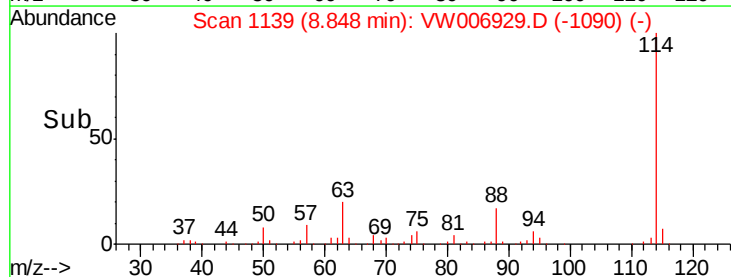
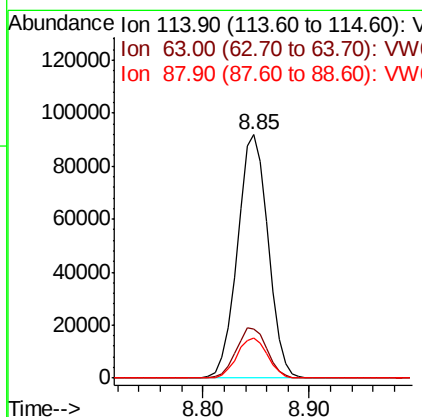
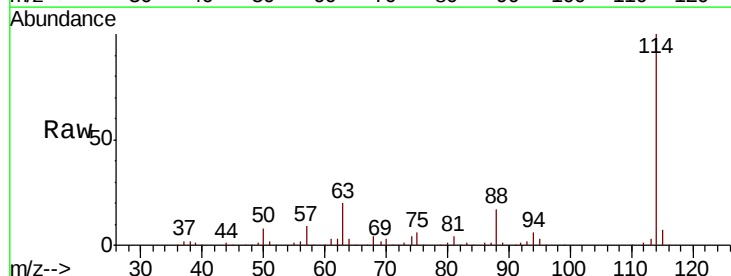
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

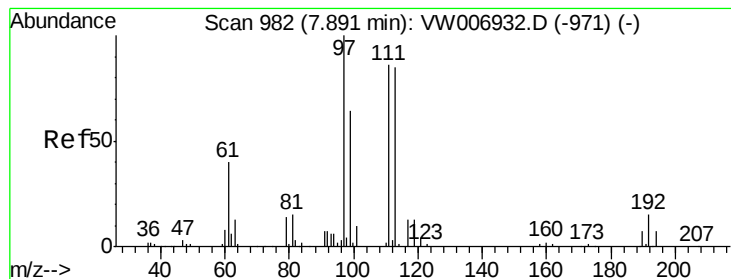
Tgt Ion: 65 Resp: 6389
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 114 Resp: 185512
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 4.692 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

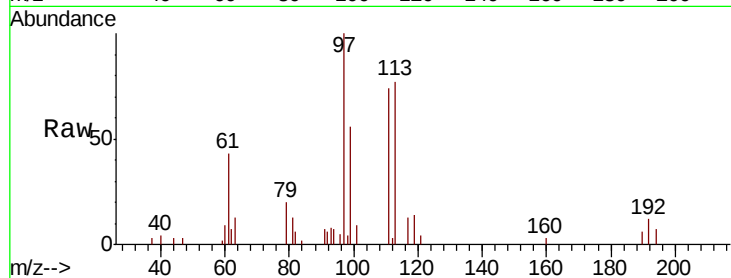
Tgt Ion:113 Resp: 5249

Ion Ratio Lower Upper

113 100

111 100.2 81.7 122.5

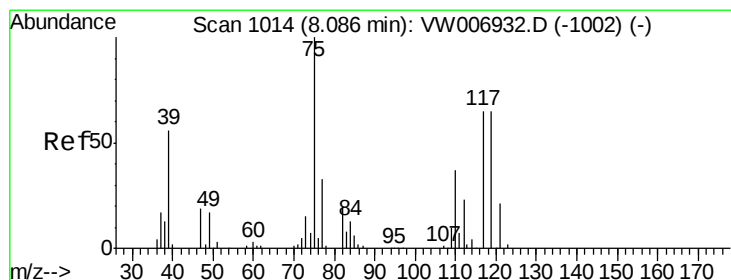
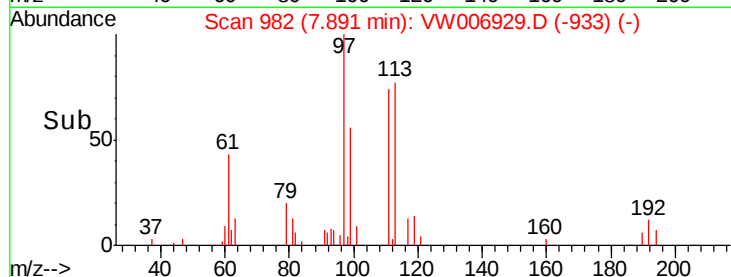
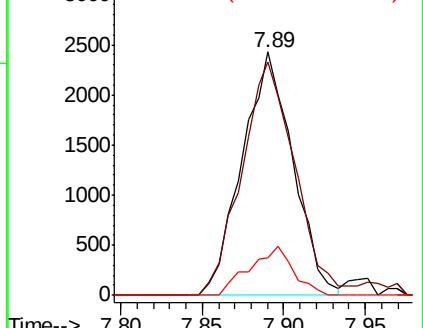
192 17.3 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.190 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

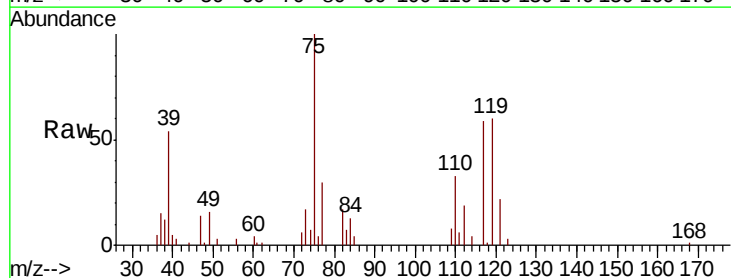
Tgt Ion: 75 Resp: 9021

Ion Ratio Lower Upper

75 100

110 35.1 18.1 54.1

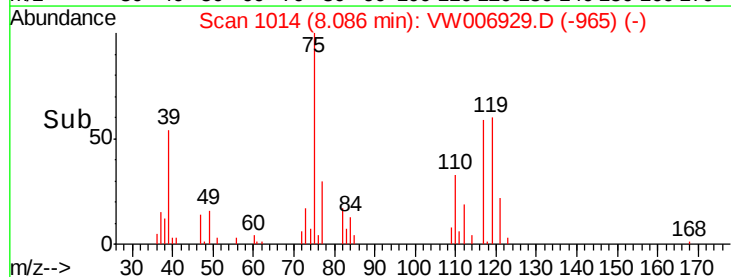
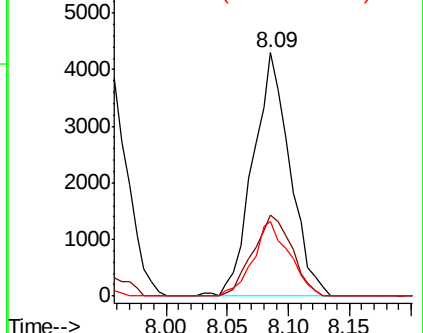
77 30.0 25.4 38.0

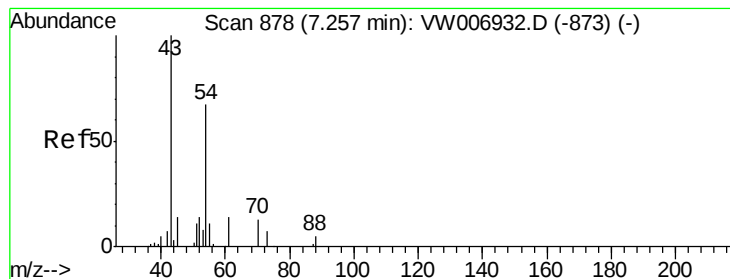


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 7.386 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

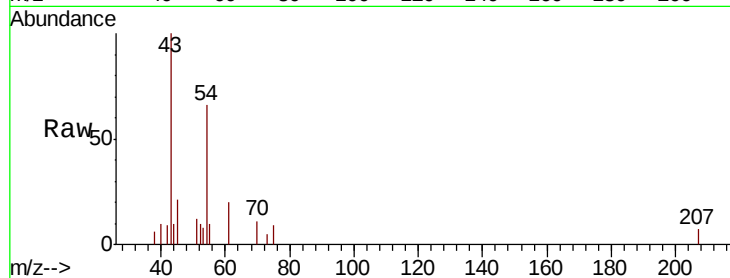
Tgt Ion: 43 Resp: 4385

Ion Ratio Lower Upper

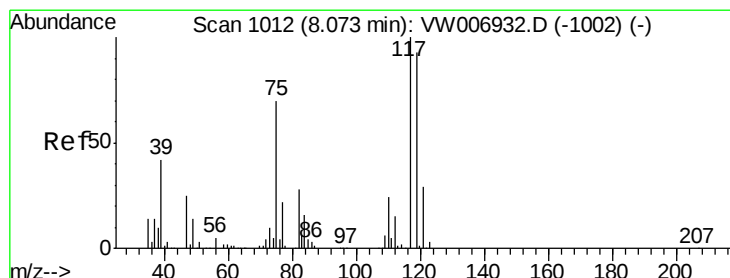
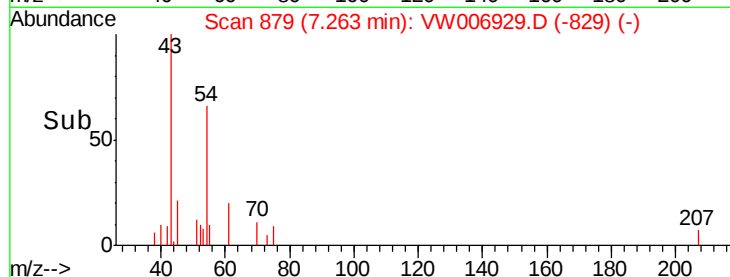
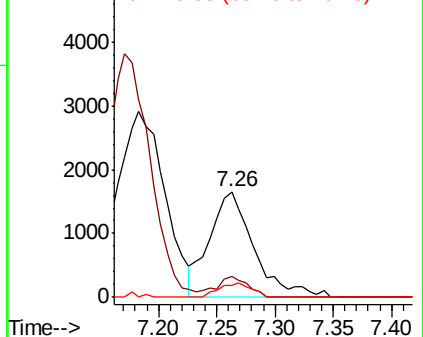
43 100

61 14.1 11.0 16.6

70 9.6 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 4.528 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

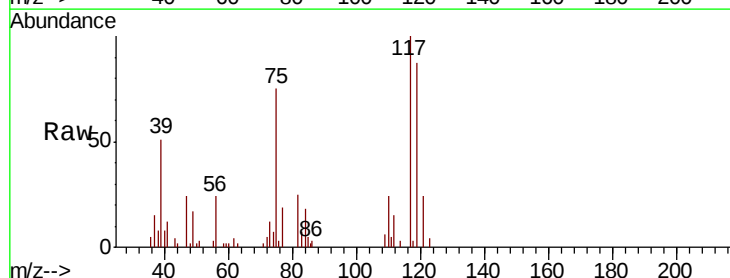
Tgt Ion: 117 Resp: 8409

Ion Ratio Lower Upper

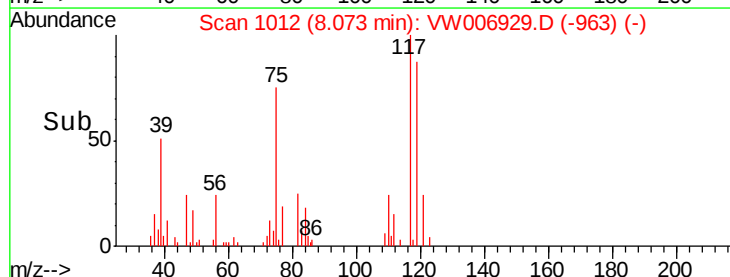
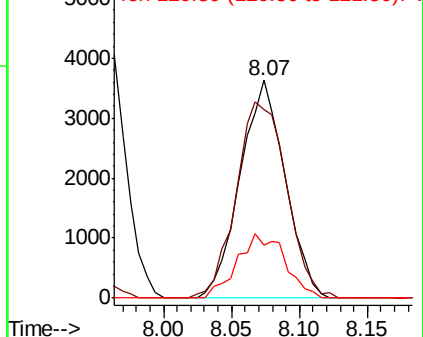
117 100

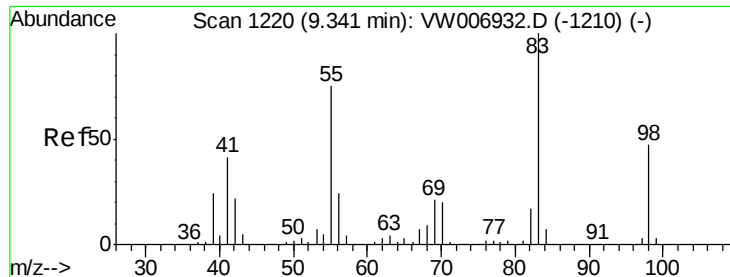
119 86.9 74.2 111.4

121 24.4 23.5 35.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

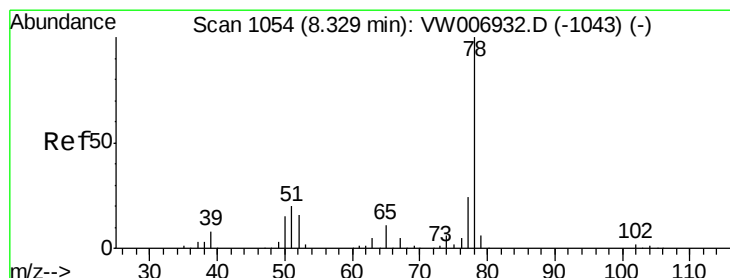
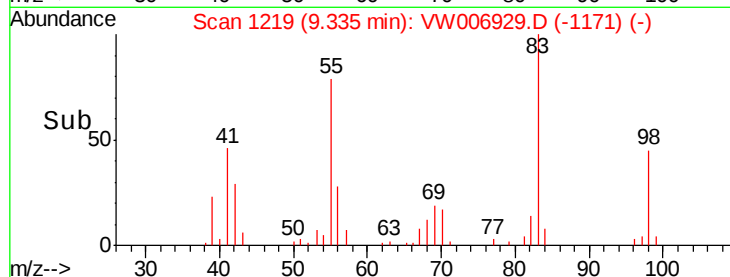
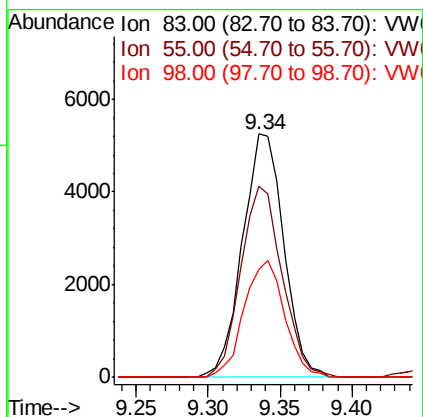
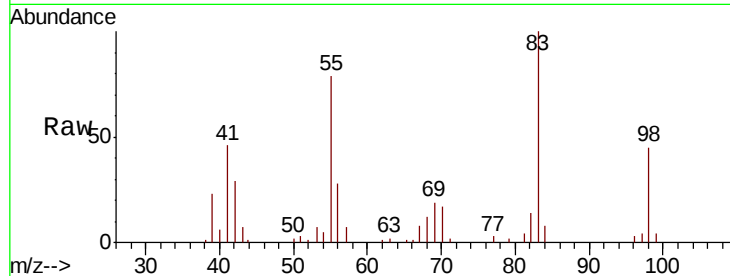




#39
Methylcyclohexane
Concen: 4.674 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

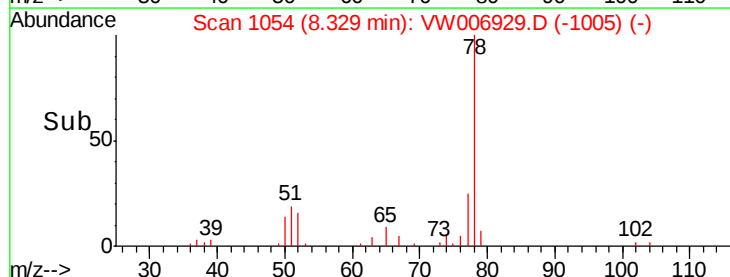
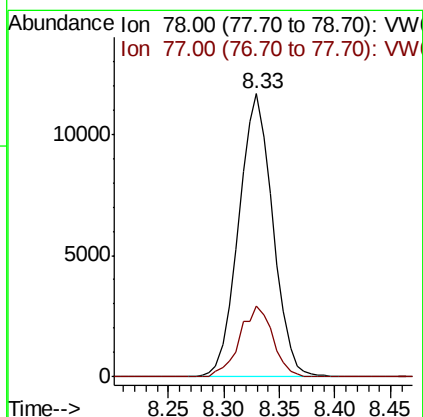
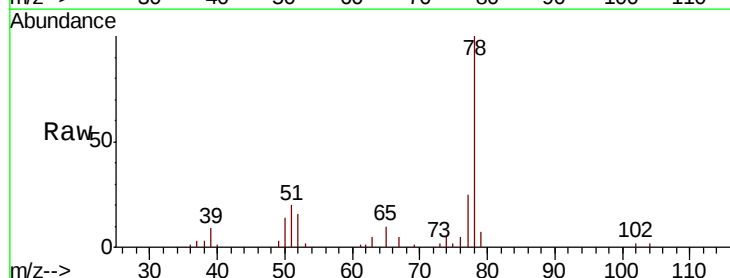
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

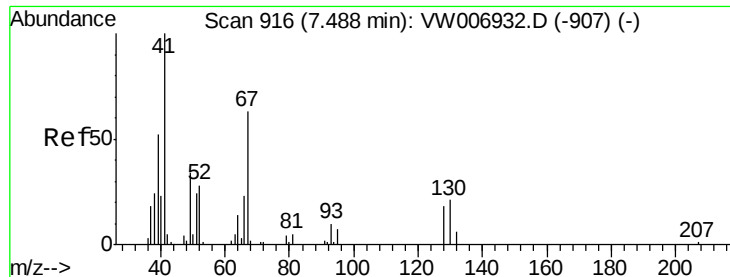
Tgt Ion: 83 Resp: 10416
Ion Ratio Lower Upper
83 100
55 78.7 60.2 90.4
98 44.5 37.3 55.9



#40
Benzene
Concen: 5.100 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 78 Resp: 24765
Ion Ratio Lower Upper
78 100
77 25.2 19.3 28.9

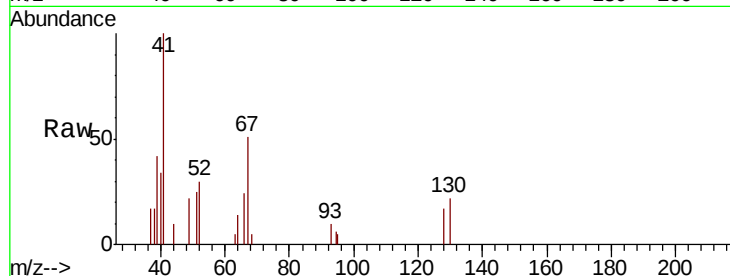




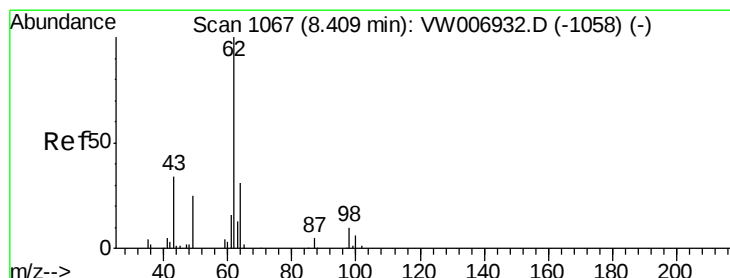
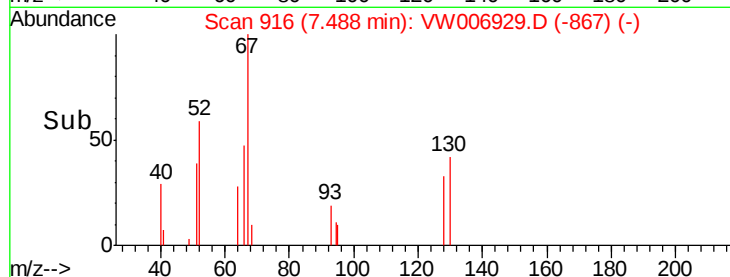
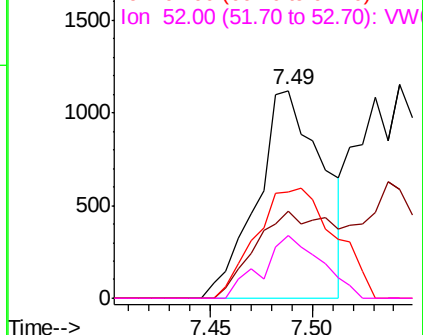
#41
Methacrylonitrile
Concen: 6.872 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	2517
Ion	Ratio	Lower	Upper
41	100		
39	48.2	41.8	62.6
67	63.1	54.7	82.1
52	27.0	23.8	35.8

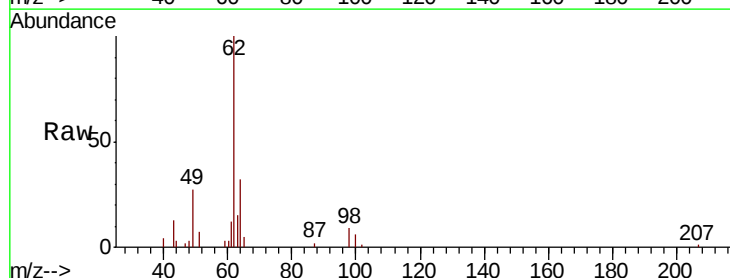


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

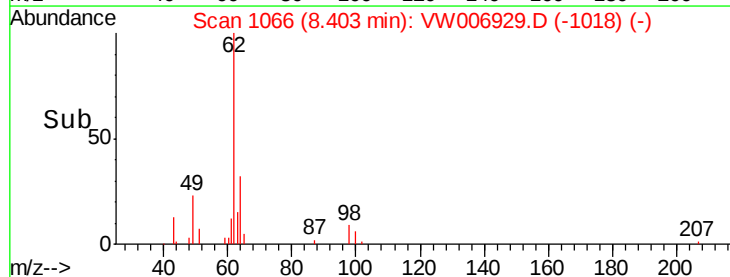
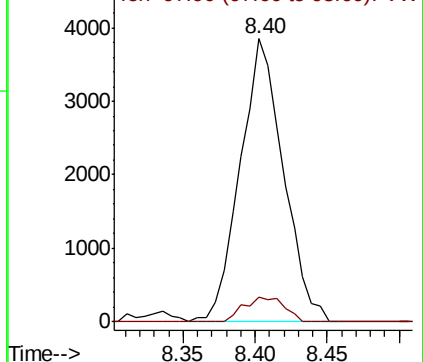


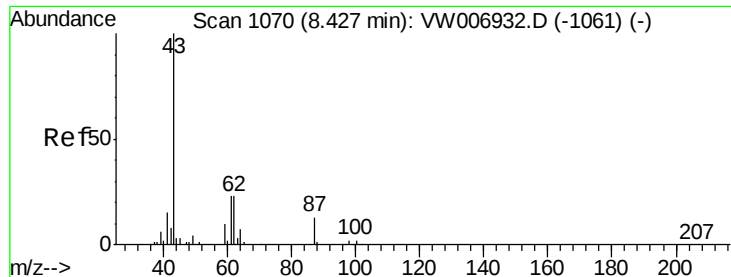
#42
1,2-Dichloroethane
Concen: 6.068 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion:	62	Resp:	8016
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW

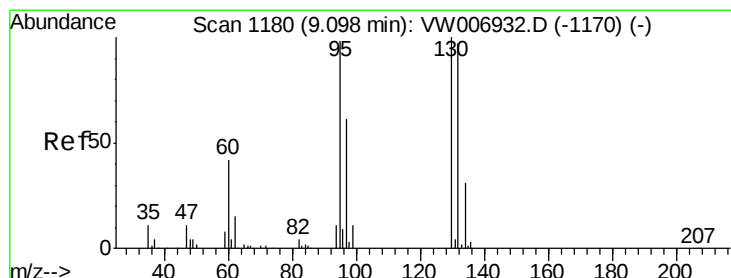
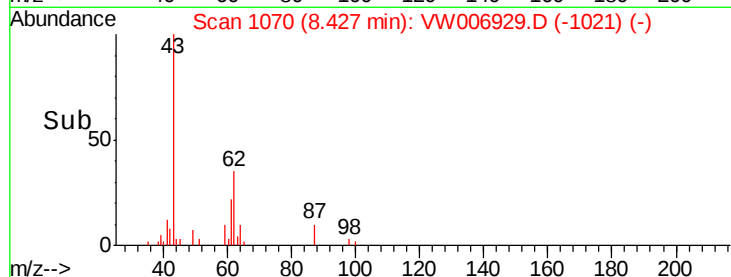
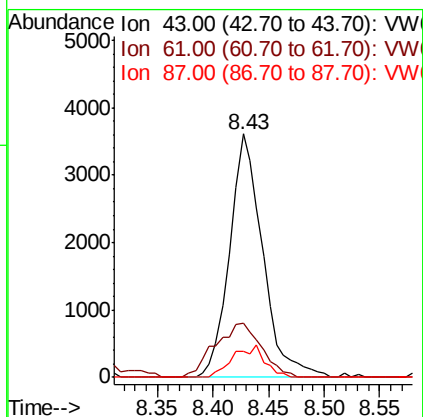
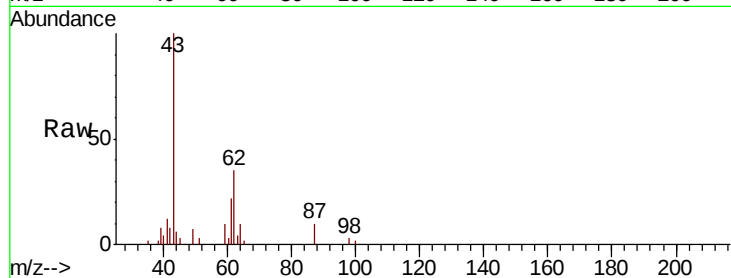




#43
Isopropyl Acetate
Concen: 6.443 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

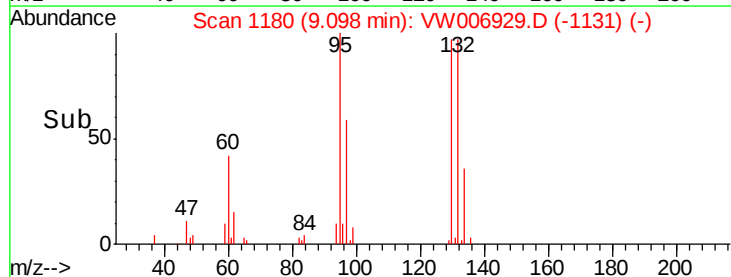
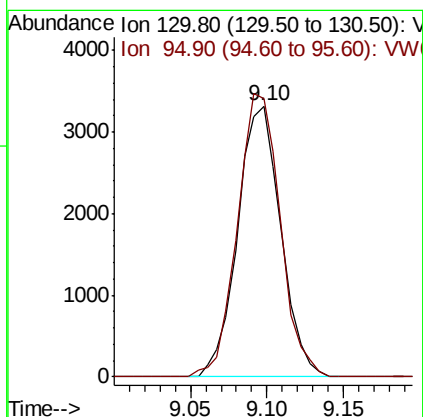
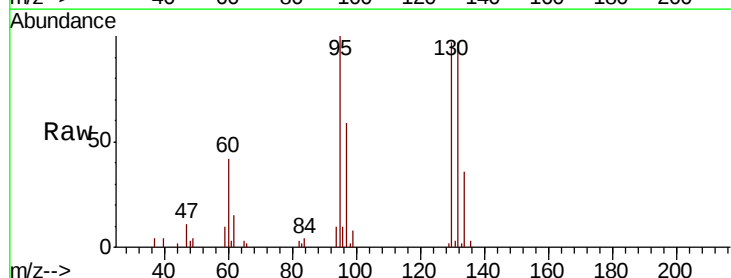
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

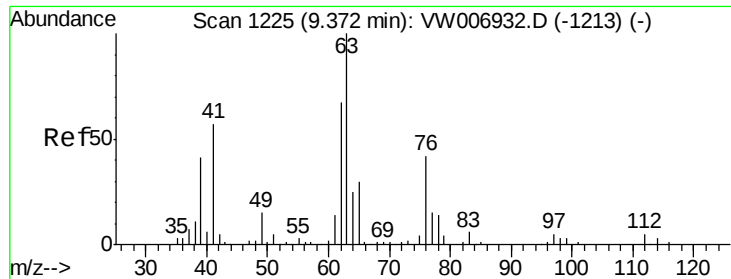
Tgt Ion: 43 Resp: 7451
Ion Ratio Lower Upper
43 100
61 31.0 24.6 37.0
87 12.6 11.0 16.6



#44
Trichloroethene
Concen: 4.356 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 130 Resp: 6516
Ion Ratio Lower Upper
130 100
95 103.0 0.0 196.4





#45

1,2-Dichloropropane

Concen: 5.716 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

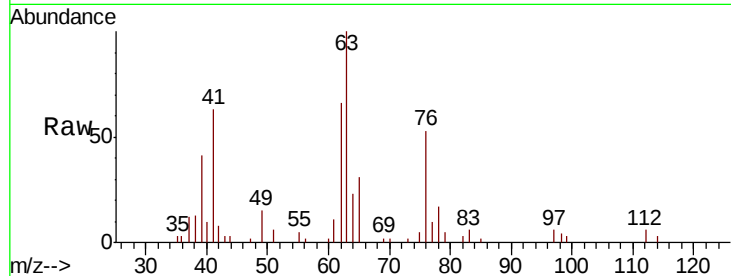
VSTDIC005

Tgt Ion: 63 Resp: 6544

Ion Ratio Lower Upper

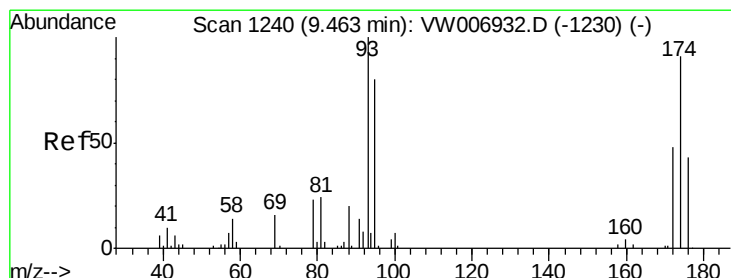
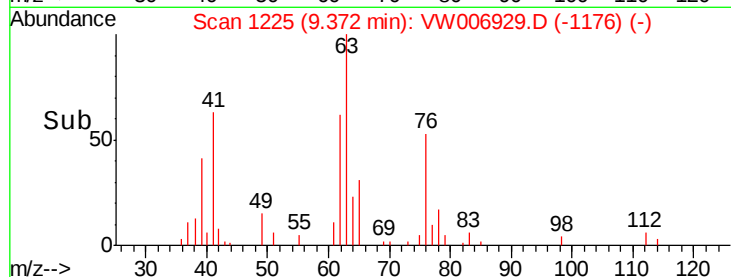
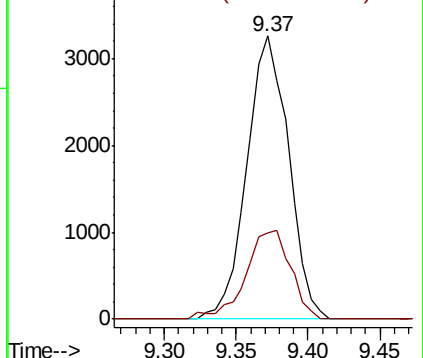
63 100

65 30.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.387 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

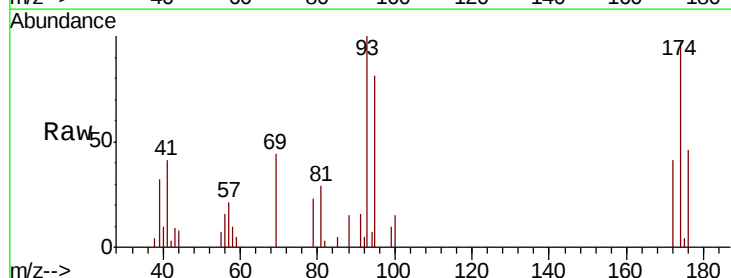
Tgt Ion: 93 Resp: 3382

Ion Ratio Lower Upper

93 100

95 82.8 65.7 98.5

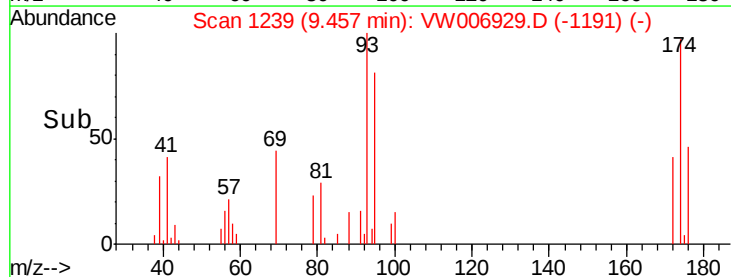
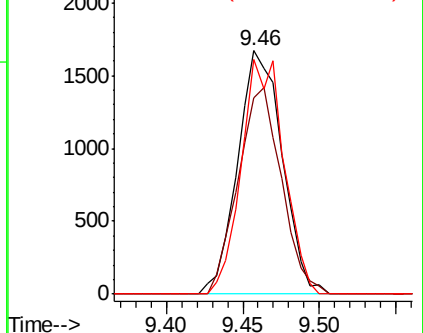
174 92.4 75.0 112.4

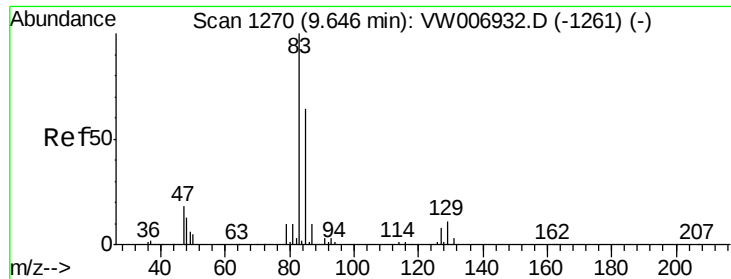


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

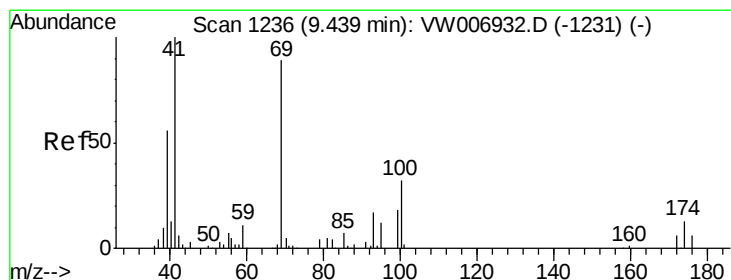
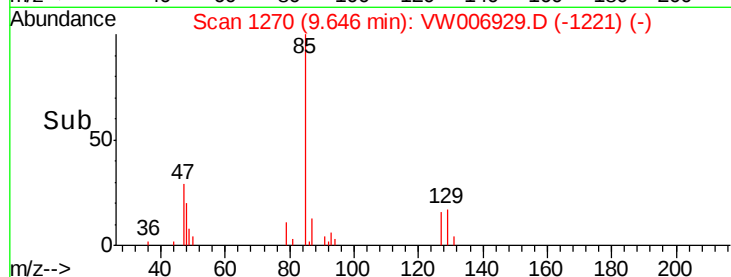
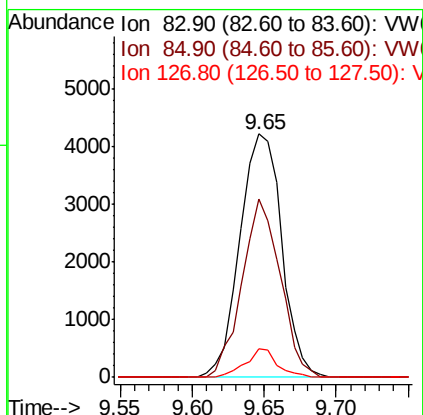
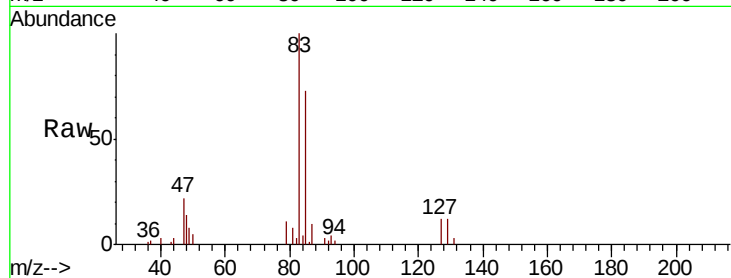




#47
 Bromodichloromethane
 Concen: 5.410 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

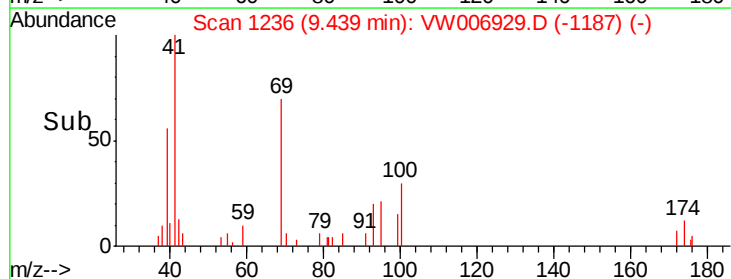
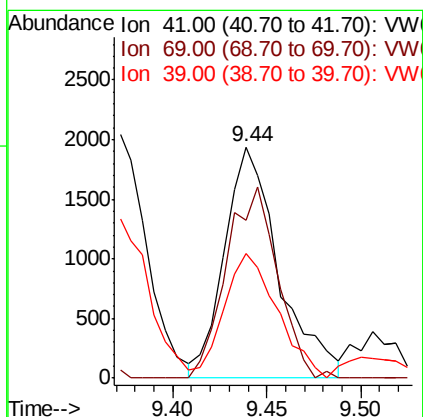
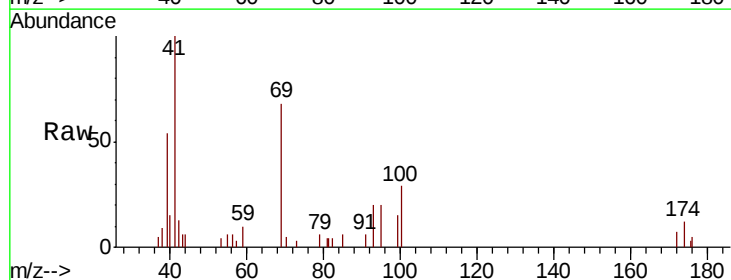
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

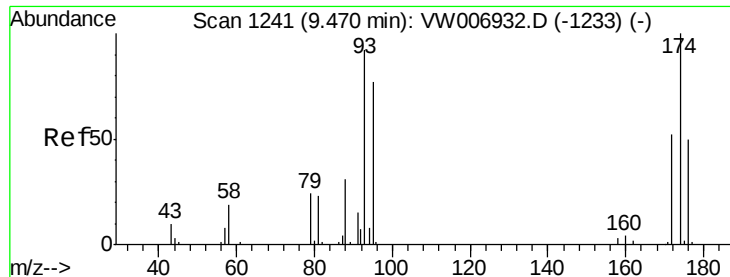
Tgt Ion: 83 Resp: 8492
 Ion Ratio Lower Upper
 83 100
 85 73.5 50.8 76.2
 127 11.5 6.6 10.0#



#48
 Methyl methacrylate
 Concen: 6.904 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 41 Resp: 3884
 Ion Ratio Lower Upper
 41 100
 69 78.0 73.4 110.0
 39 52.6 46.1 69.1

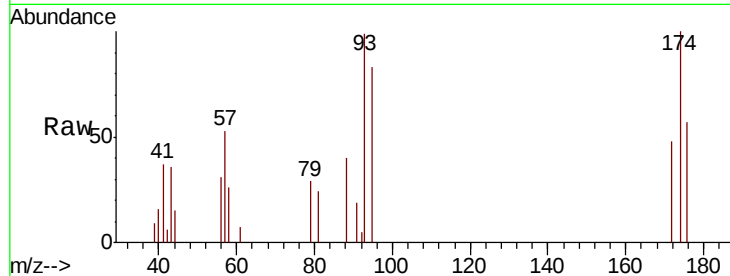




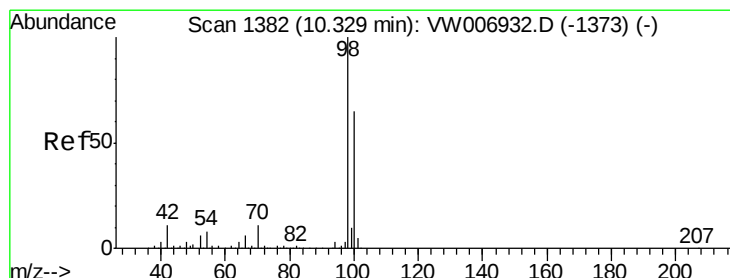
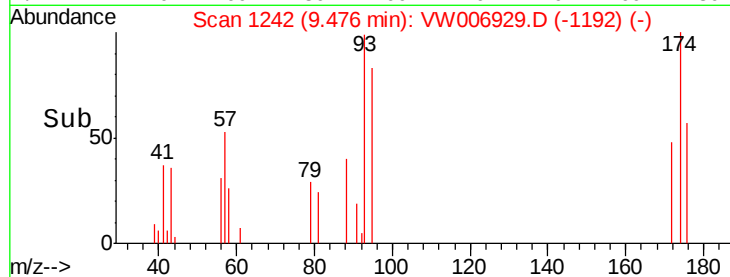
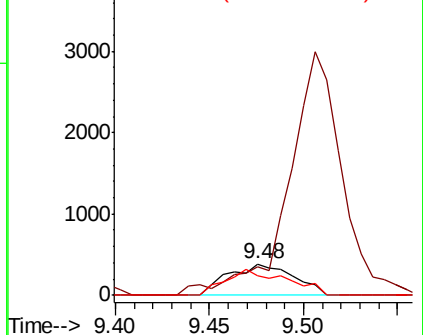
#49
1,4-Dioxane
Concen: 96.898 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 923
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 79.1 57.4 86.2

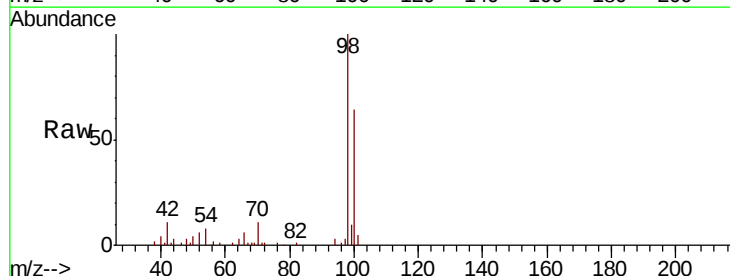


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

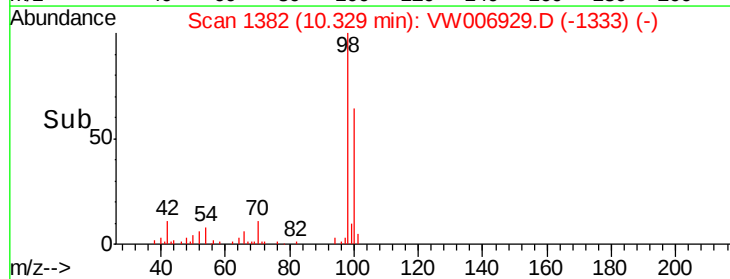
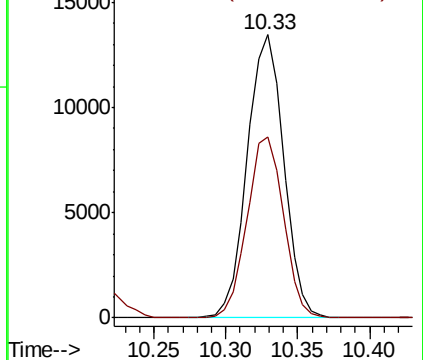


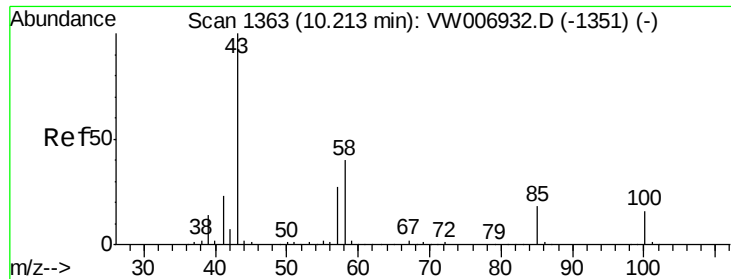
#50
Toluene-d8
Concen: 5.051 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 98 Resp: 23557
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



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

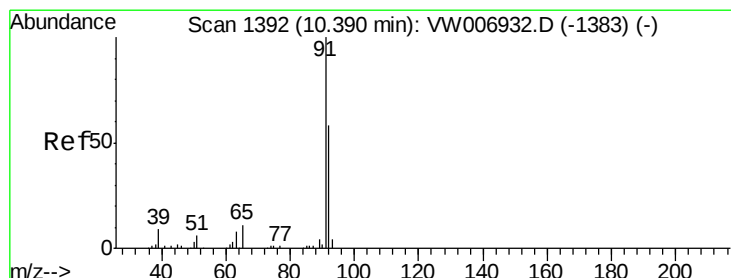
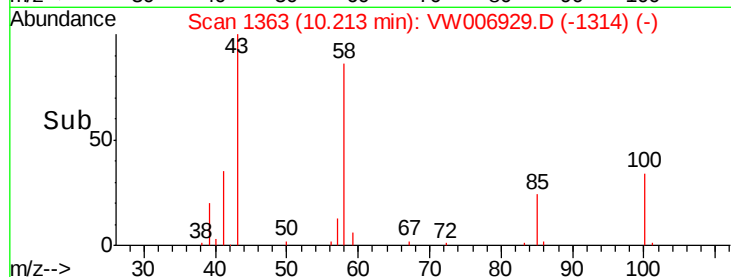
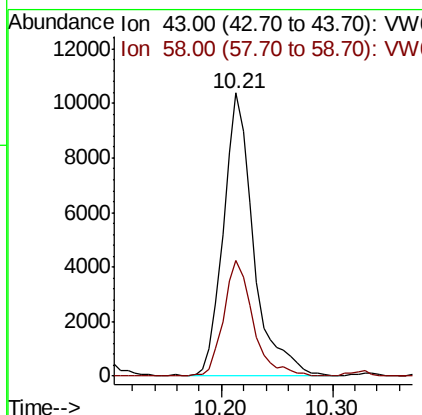
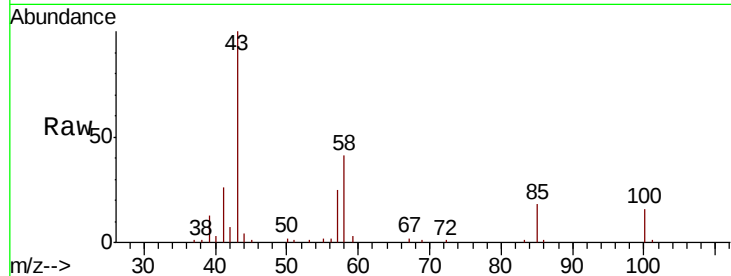




#51
 4-Methyl-2-Pentanone
 Concen: 33.712 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

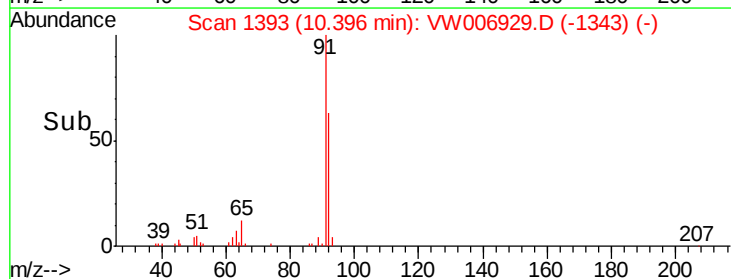
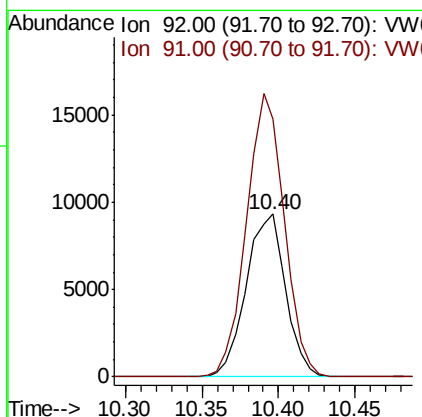
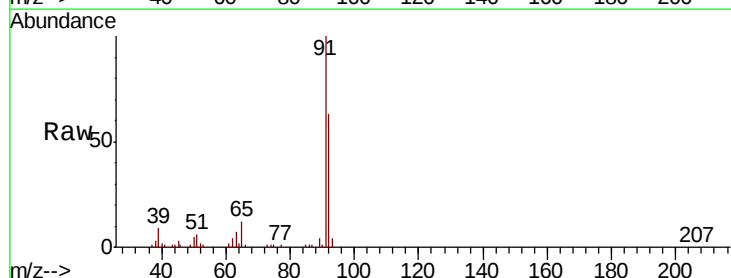
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

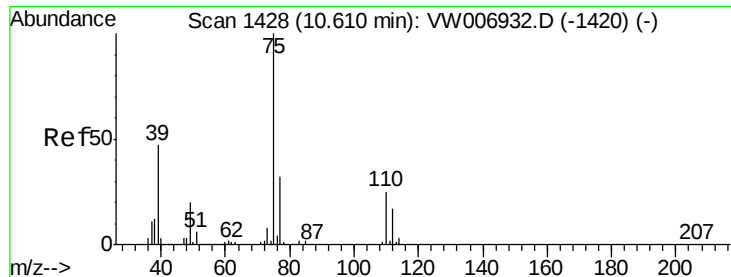
Tgt Ion: 43 Resp: 19478
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.0 46.4



#52
 Toluene
 Concen: 4.911 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 92 Resp: 16730
 Ion Ratio Lower Upper
 92 100
 91 166.7 137.3 205.9

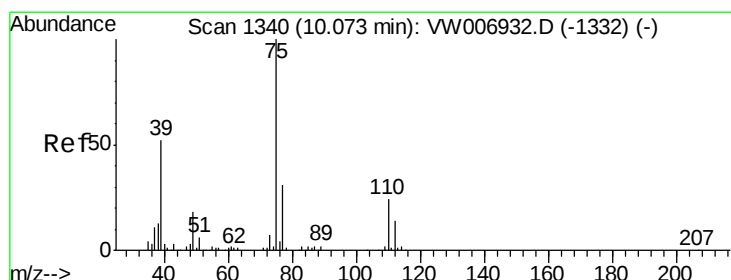
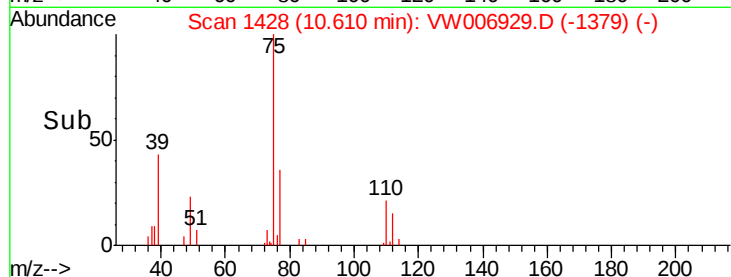
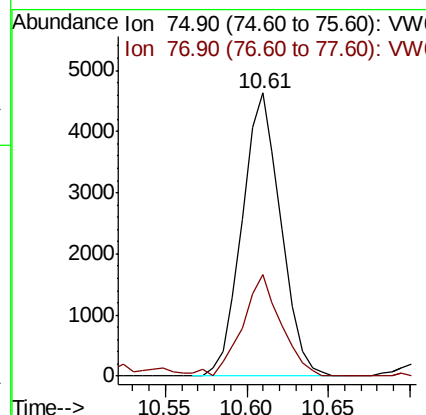
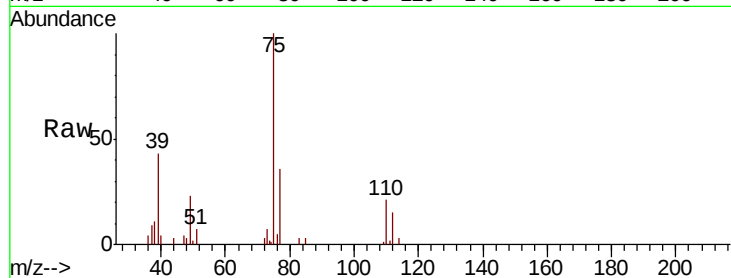




#53
 t-1,3-Dichloropropene
 Concen: 4.944 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

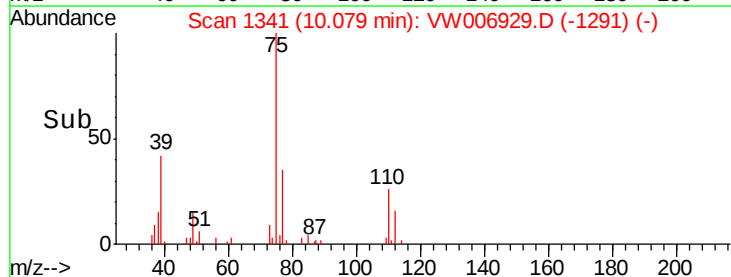
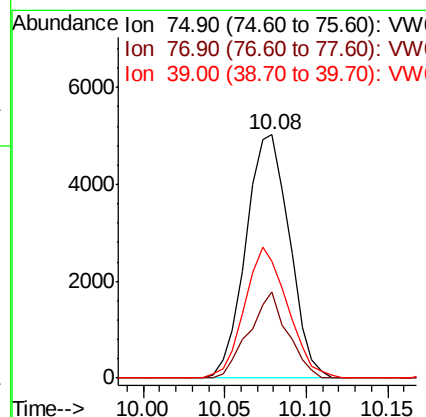
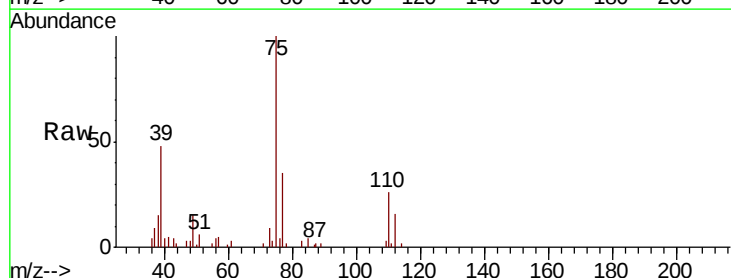
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

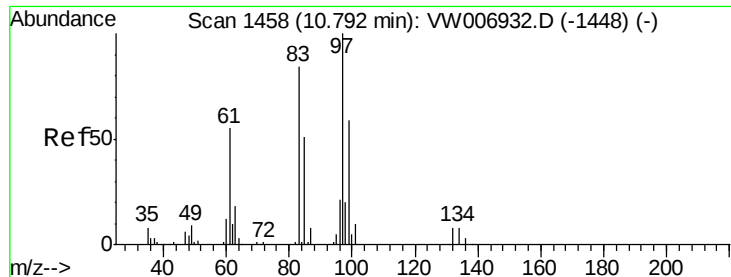
Tgt Ion: 75 Resp: 7643
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 5.107 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 75 Resp: 9369
 Ion Ratio Lower Upper
 75 100
 77 35.4 24.6 37.0
 39 48.1 41.4 62.2

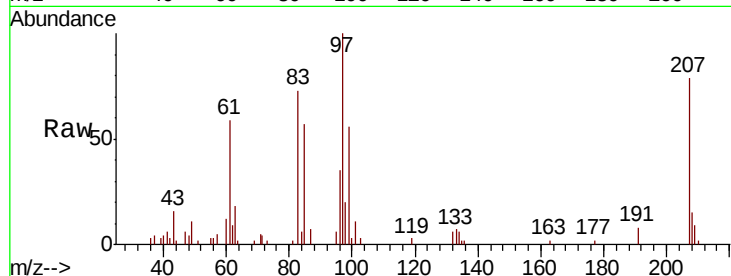




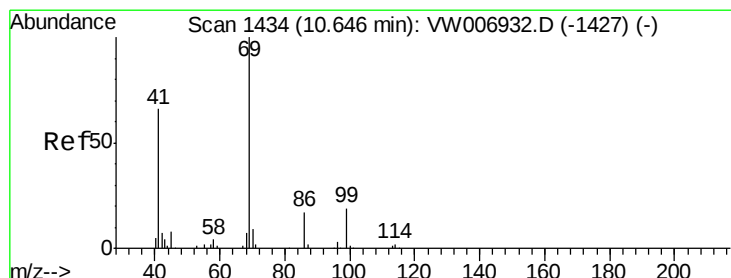
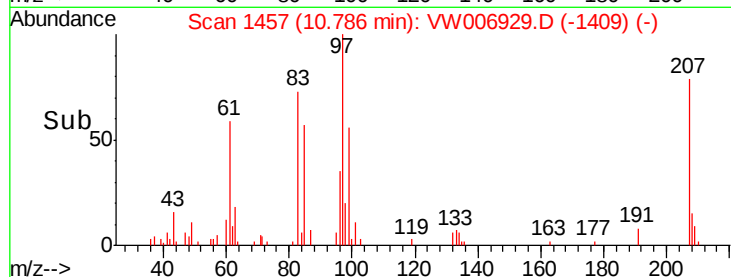
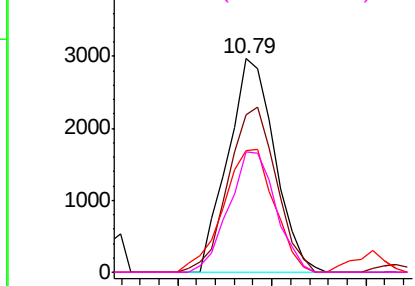
#55
 1,1,2-Trichloroethane
 Concen: 5.485 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 97 Resp: 5112
 Ion Ratio Lower Upper
 97 100
 83 73.4 67.5 101.3
 85 54.0 41.0 61.6
 99 56.2 47.4 71.2

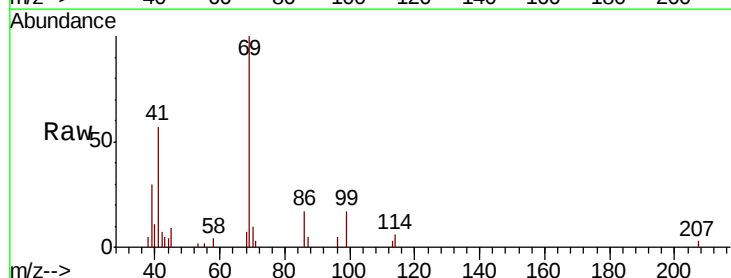


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

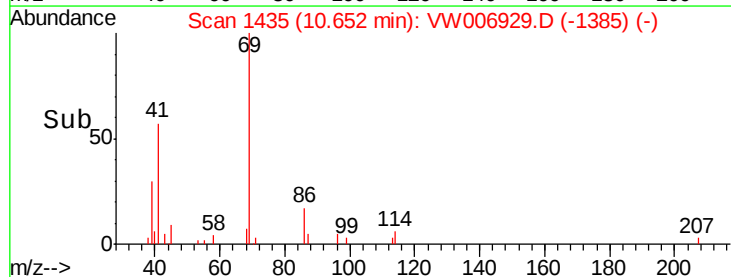
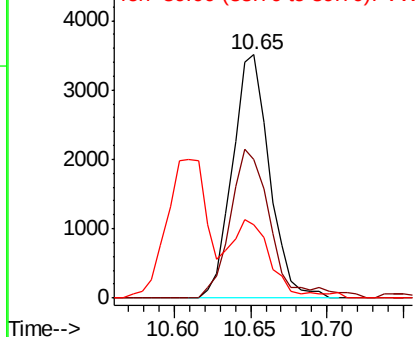


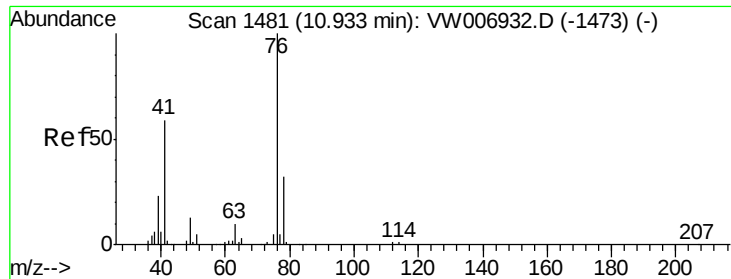
#56
 Ethyl methacrylate
 Concen: 5.644 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 69 Resp: 5873
 Ion Ratio Lower Upper
 69 100
 41 67.0 53.8 80.6
 39 31.7 29.0 43.6



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

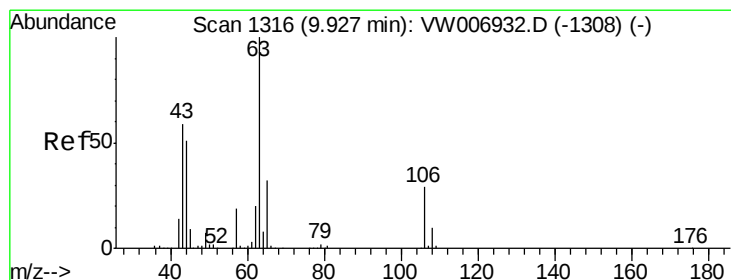
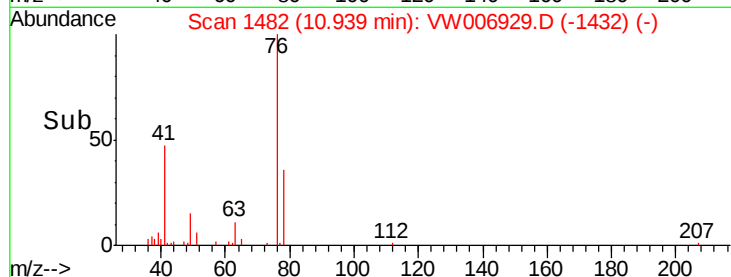
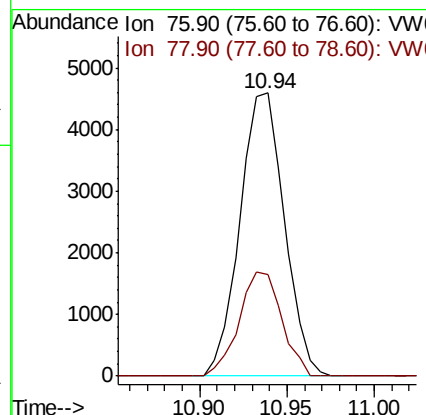
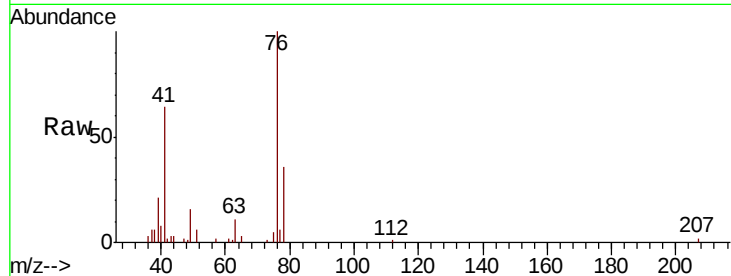




#57
 1,3-Dichloropropane
 Concen: 5.447 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

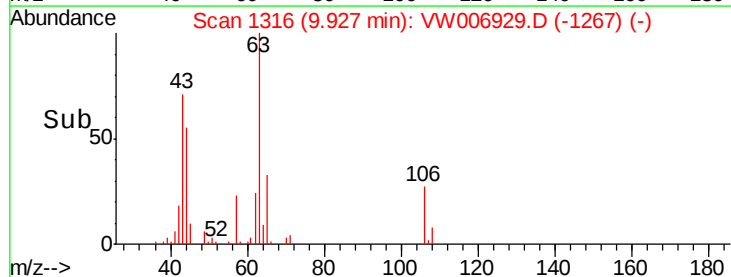
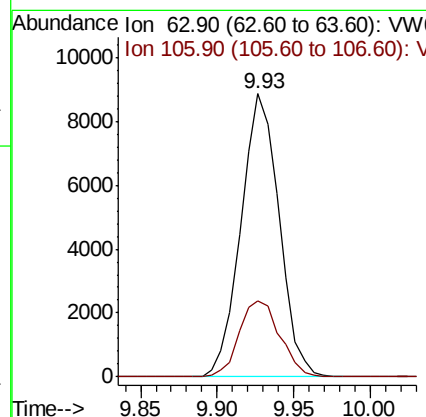
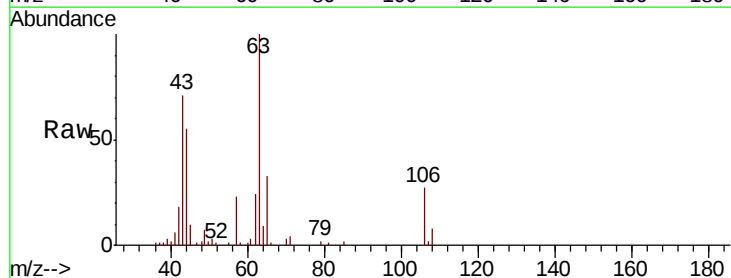
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

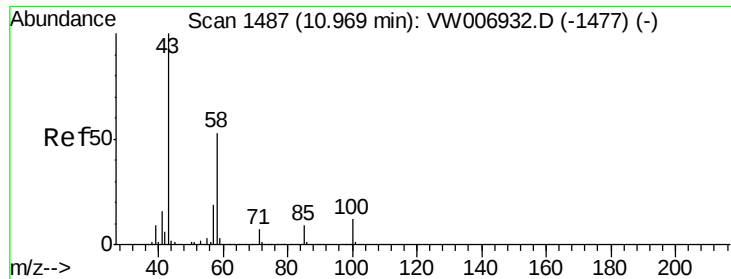
Tgt Ion: 76 Resp: 8122
 Ion Ratio Lower Upper
 76 100
 78 35.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 29.968 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 63 Resp: 15363
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.6 33.8

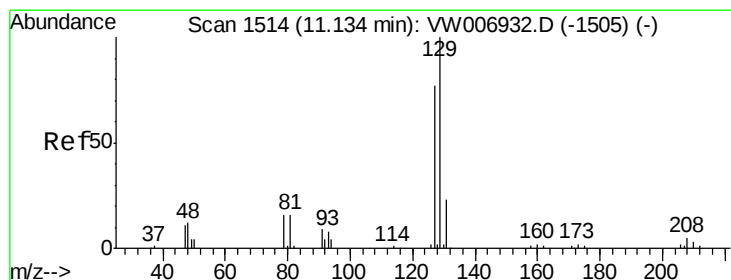
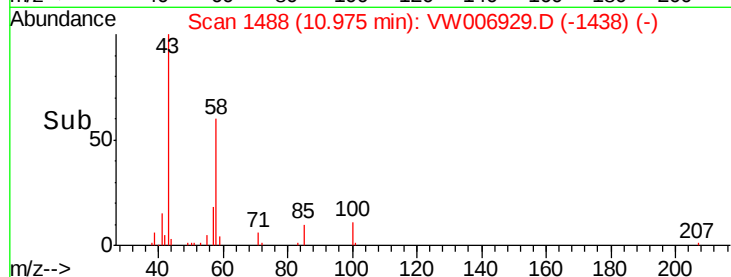
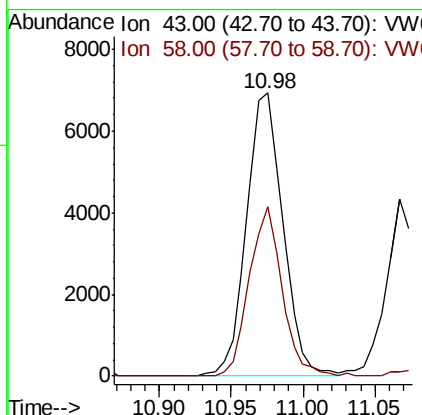
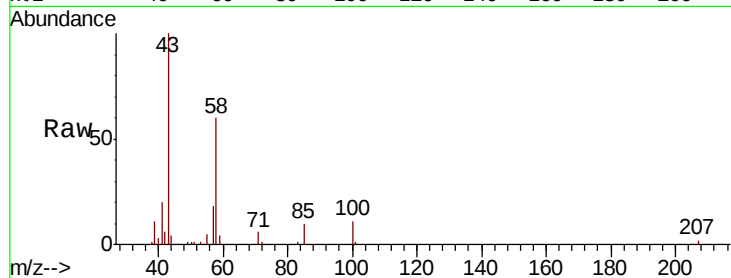




#59
2-Hexanone
Concen: 30.674 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

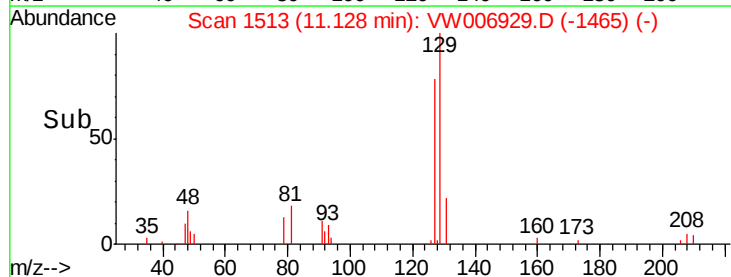
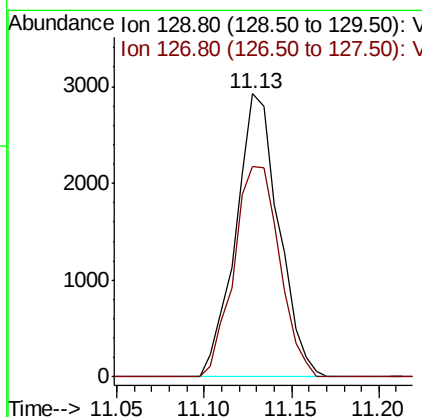
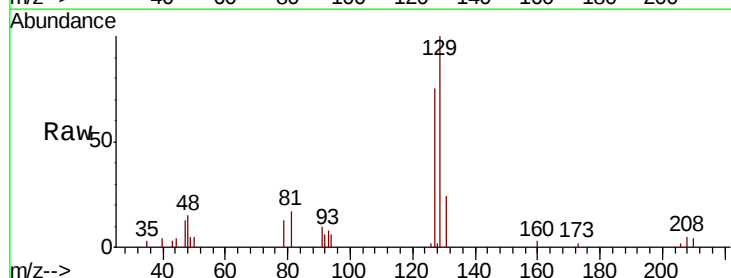
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

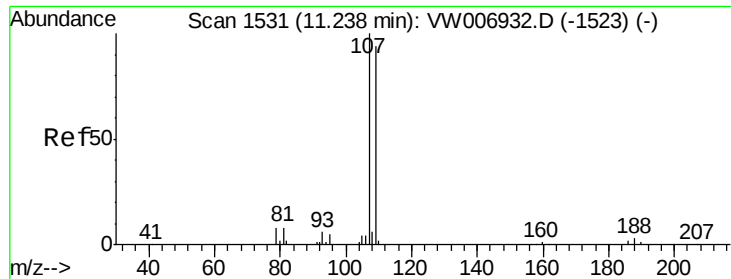
Tgt Ion: 43 Resp: 12156
Ion Ratio Lower Upper
43 100
58 53.7 26.8 80.4



#60
Dibromochloromethane
Concen: 4.421 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 129 Resp: 4984
Ion Ratio Lower Upper
129 100
127 79.1 38.1 114.3

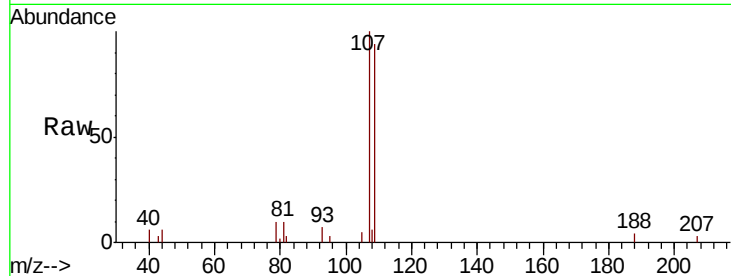




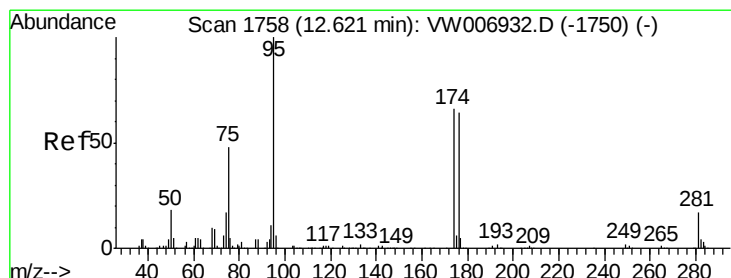
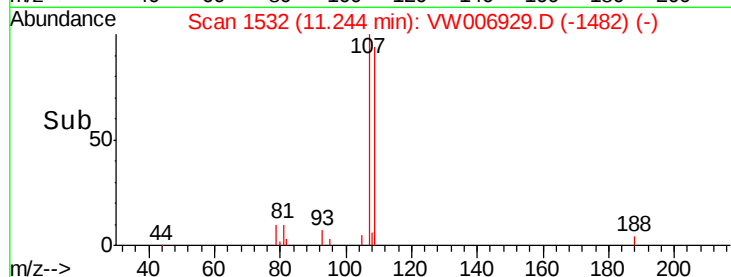
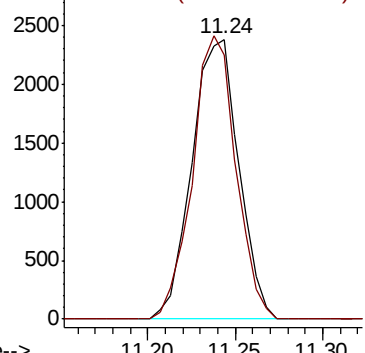
#61
 1,2-Dibromoethane
 Concen: 5.032 ug/l
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 4433
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.5 113.3

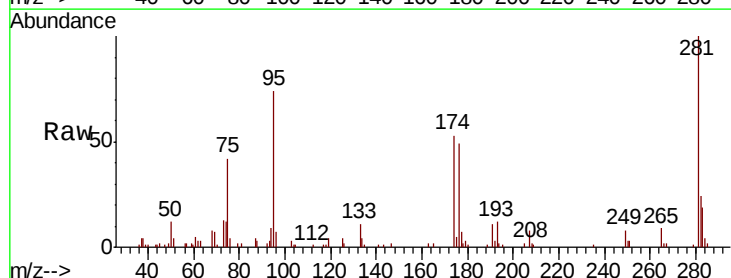


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

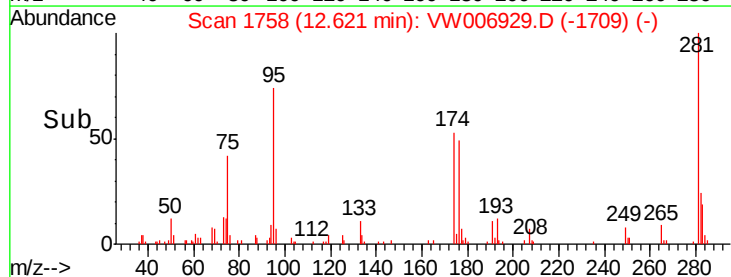
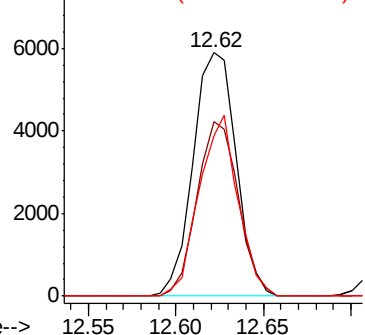


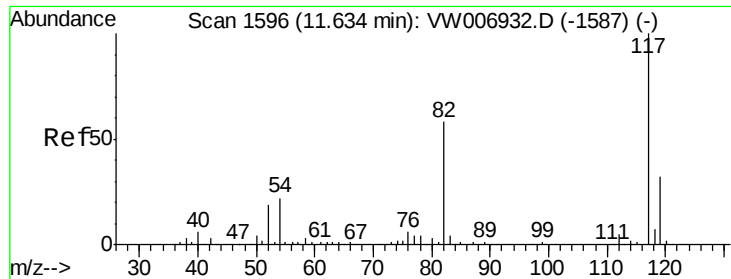
#62
 4-Bromofluorobenzene
 Concen: 5.820 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 95 Resp: 10096
 Ion Ratio Lower Upper
 95 100
 174 68.9 0.0 138.4
 176 67.0 0.0 133.4



Abundance Ion 94.90 (94.60 to 95.60): VW
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

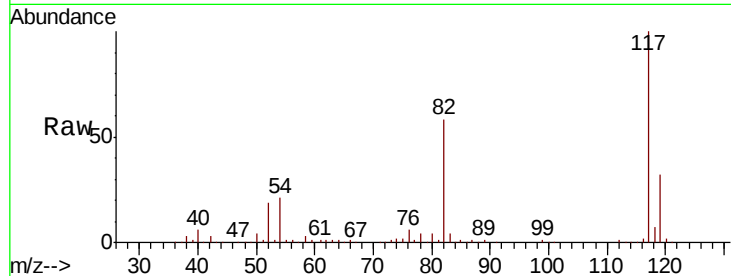




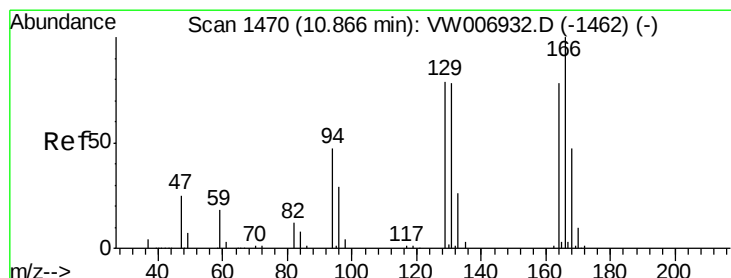
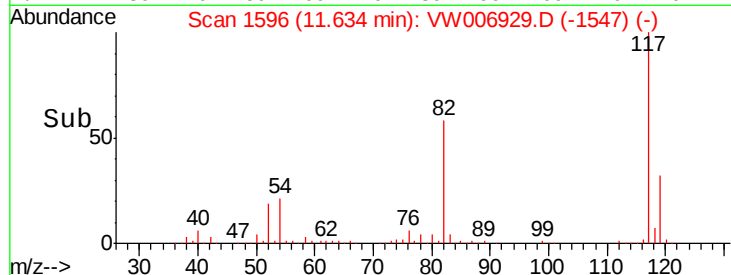
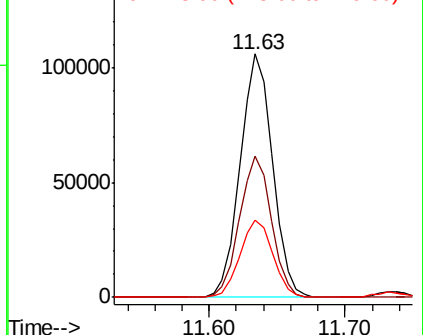
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion:117 Resp: 176531
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.2
119 31.8 25.5 38.3

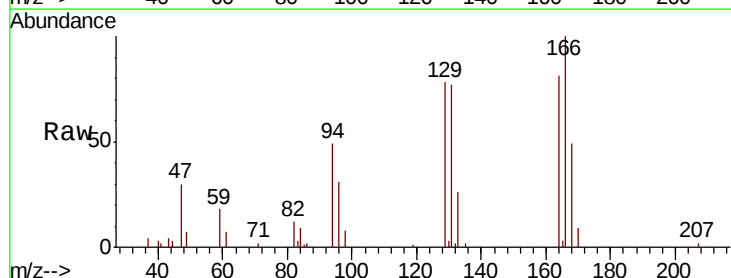


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

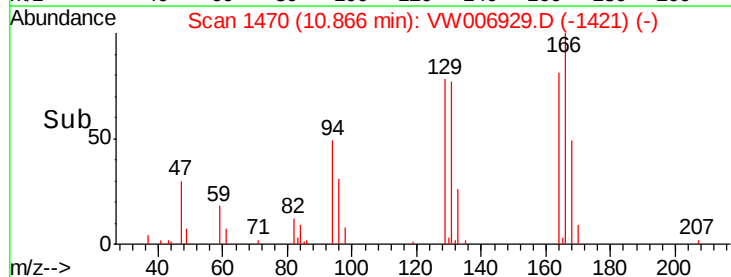
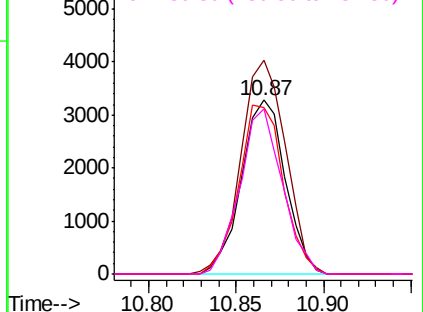


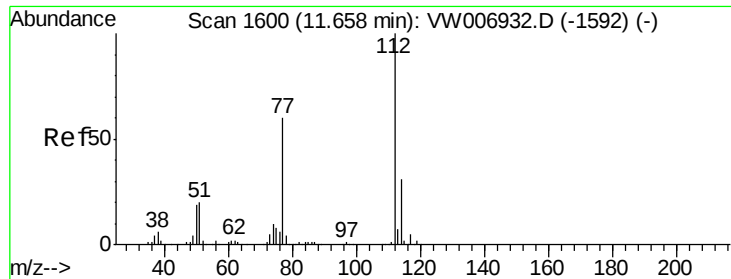
#64
Tetrachloroethene
Concen: 4.204 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion:164 Resp: 5739
Ion Ratio Lower Upper
164 100
166 122.8 102.6 154.0
129 95.7 81.0 121.4
131 94.6 80.2 120.2



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

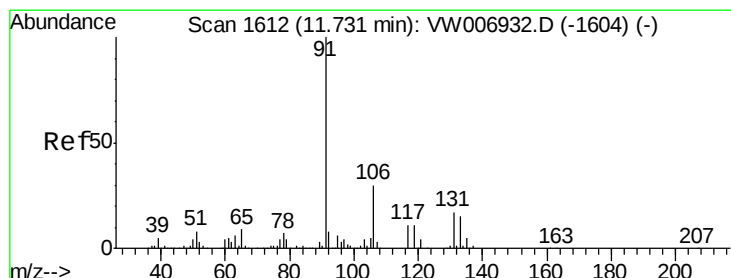
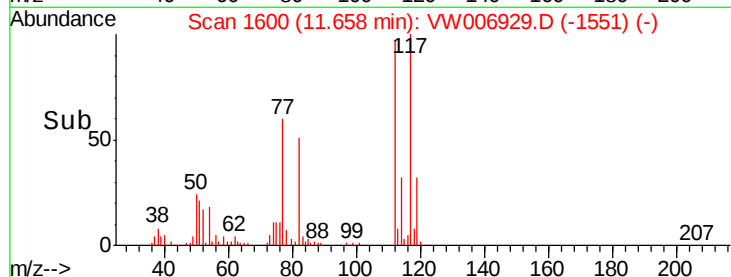
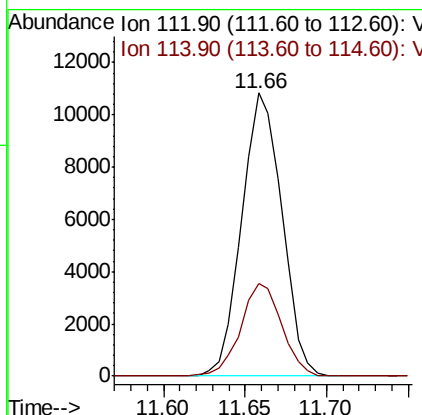
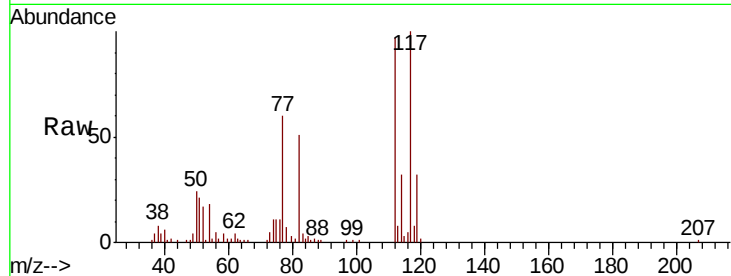




#65
Chlorobenzene
Concen: 4.789 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

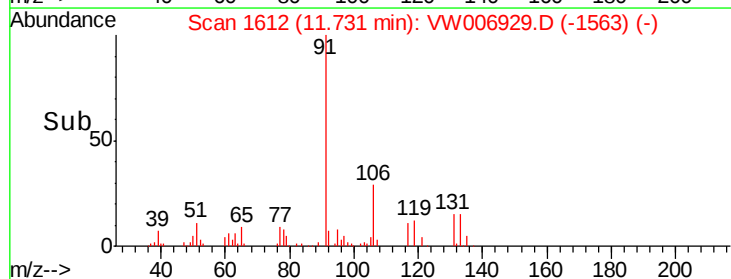
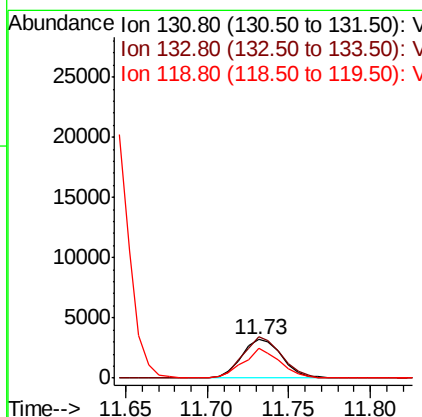
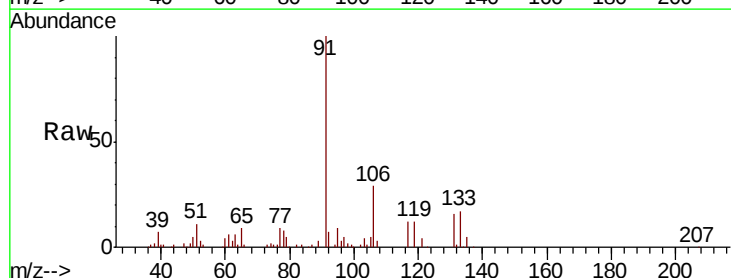
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

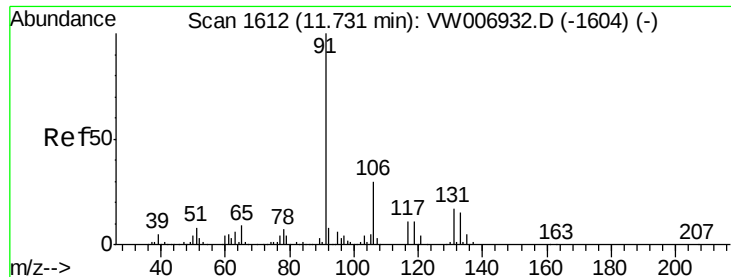
Tgt Ion:112 Resp: 18617
Ion Ratio Lower Upper
112 100
114 33.0 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 4.428 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion:131 Resp: 5570
Ion Ratio Lower Upper
131 100
133 101.4 47.2 141.6
119 69.0 32.5 97.4

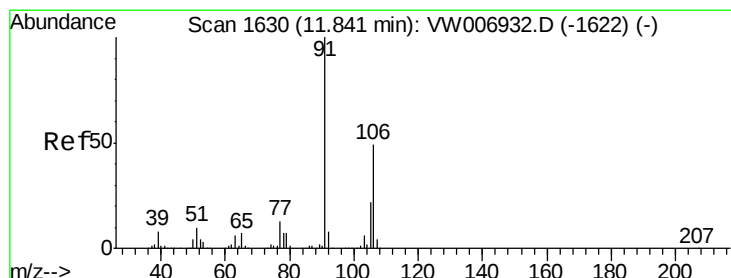
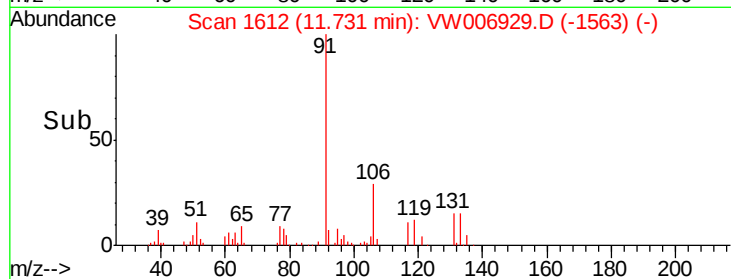
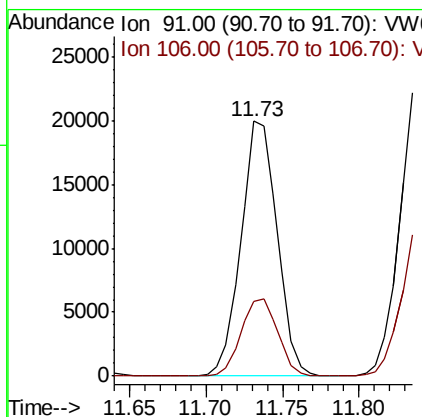
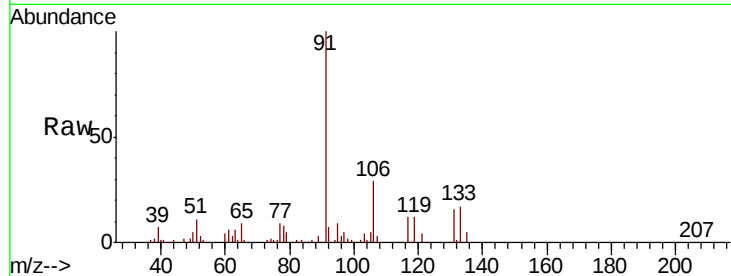




#67
Ethyl Benzene
Concen: 4.902 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

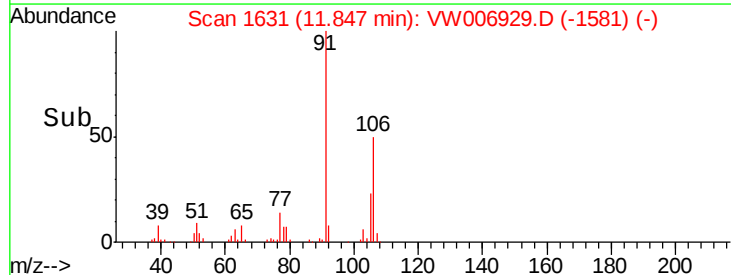
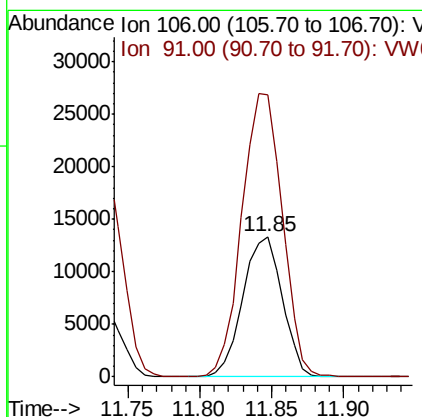
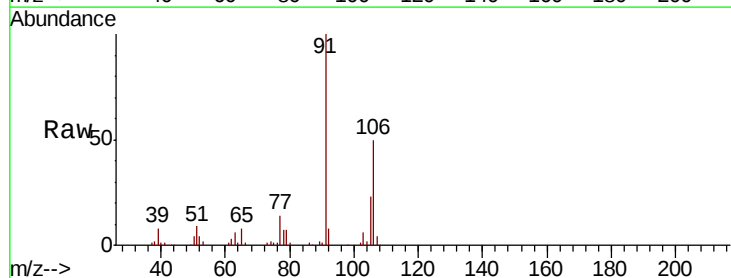
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

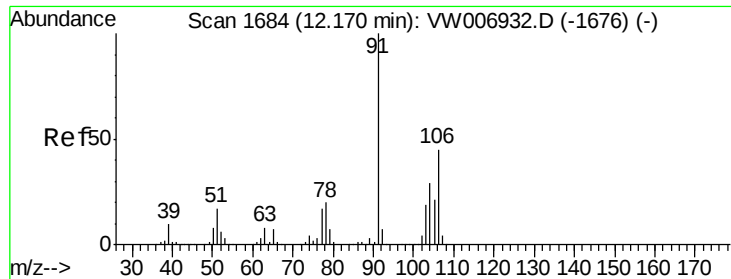
Tgt Ion: 91 Resp: 32711
Ion Ratio Lower Upper
91 100
106 29.3 24.0 36.0



#68
m/p-Xylenes
Concen: 9.367 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion: 106 Resp: 25338
Ion Ratio Lower Upper
106 100
91 207.4 165.0 247.4





#69

o-Xylene

Concen: 4.772 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

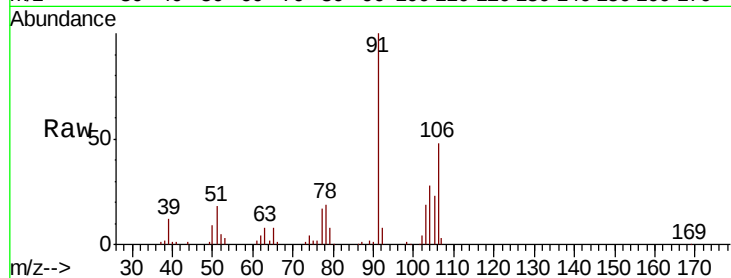
VSTDIC005

Tgt Ion:106 Resp: 12045

Ion Ratio Lower Upper

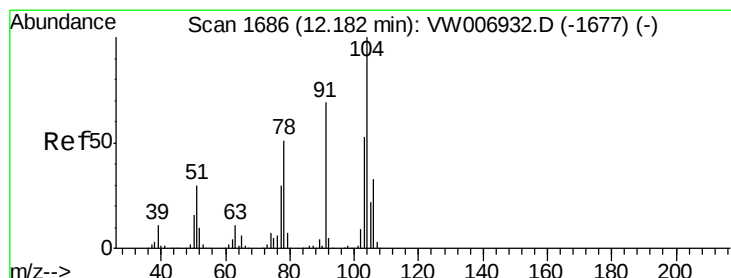
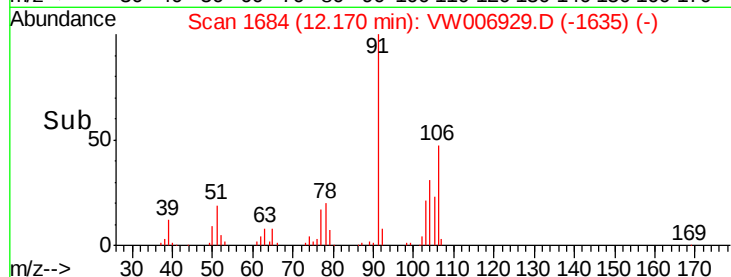
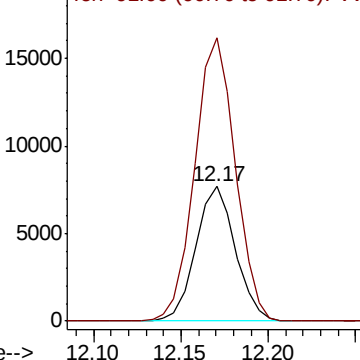
106 100

91 215.9 109.2 327.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#70

Styrene

Concen: 4.671 ug/l

RT: 12.19 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

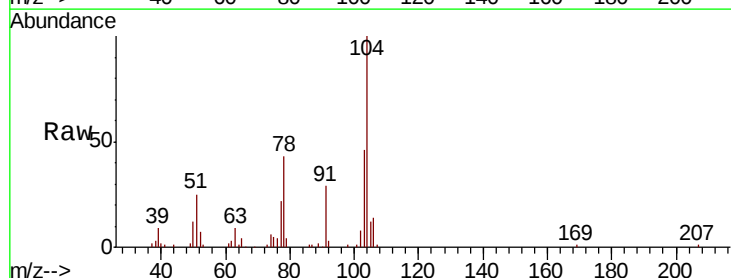
Tgt Ion:104 Resp: 18912

Ion Ratio Lower Upper

104 100

78 53.5 42.5 63.7

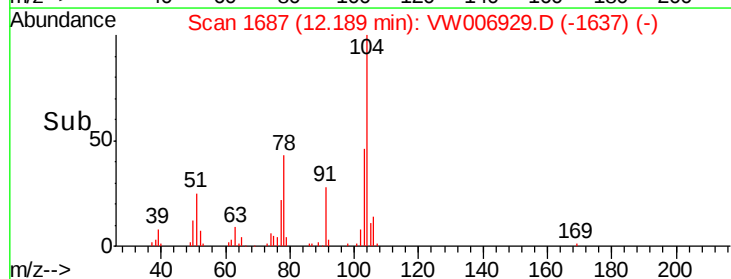
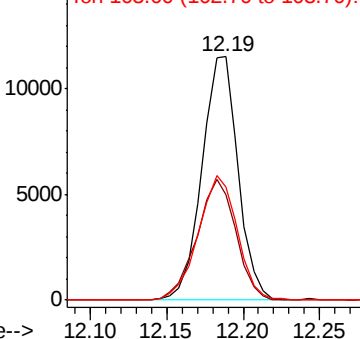
103 55.4 44.3 66.5

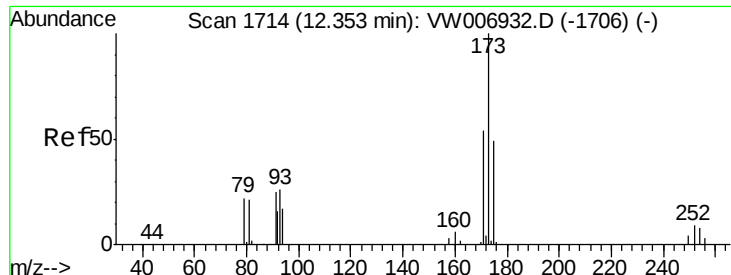


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V

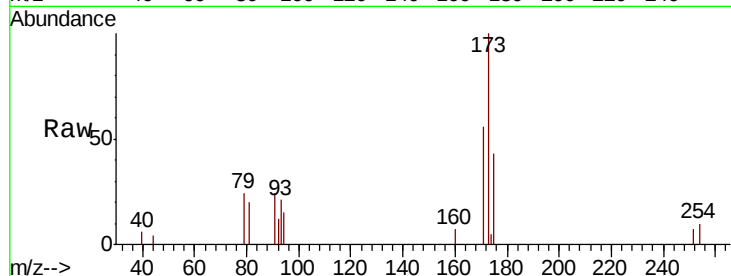




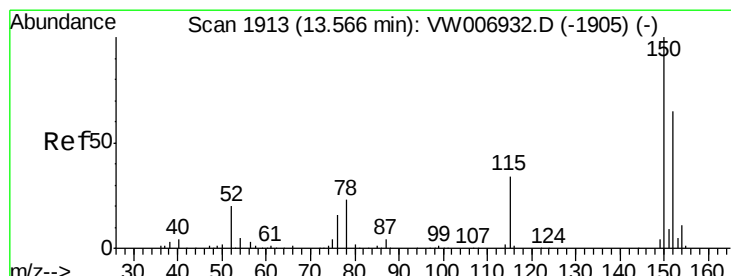
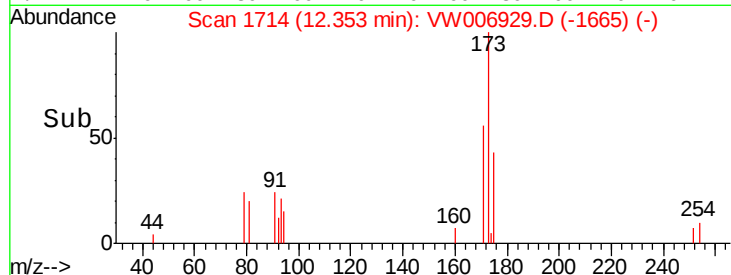
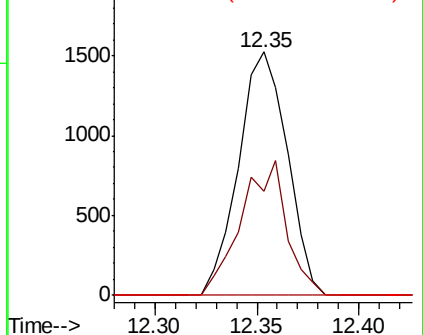
#71
Bromoform
Concen: 3.773 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 2528
Ion Ratio Lower Upper
173 100
175 51.7 24.0 72.0
254 0.0 0.0 0.0

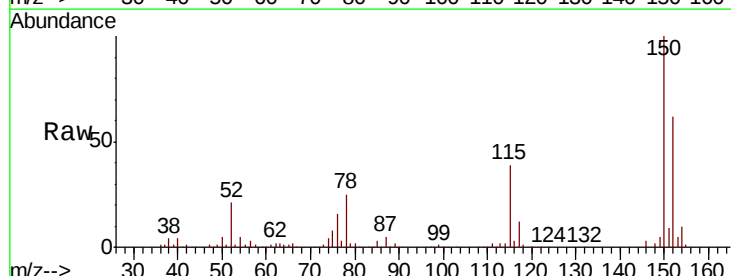


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

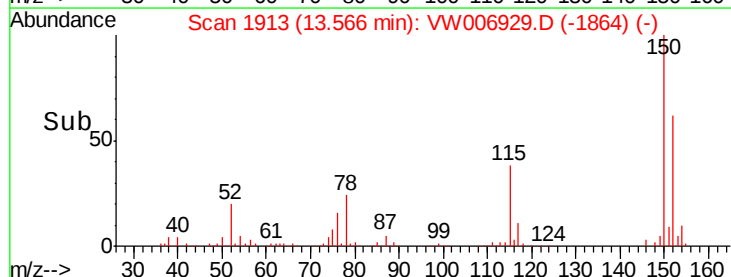
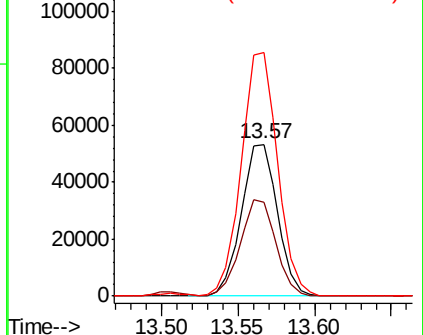


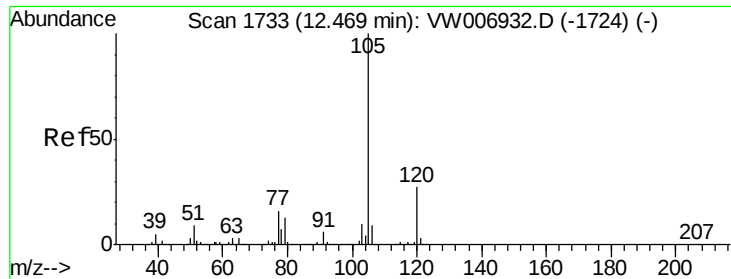
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006929.D
Acq: 16 Nov 2018 22:28

Tgt Ion:152 Resp: 87483
Ion Ratio Lower Upper
152 100
115 62.6 31.6 94.7
150 161.5 0.0 350.0



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





#73

Isopropylbenzene

Concen: 5.209 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

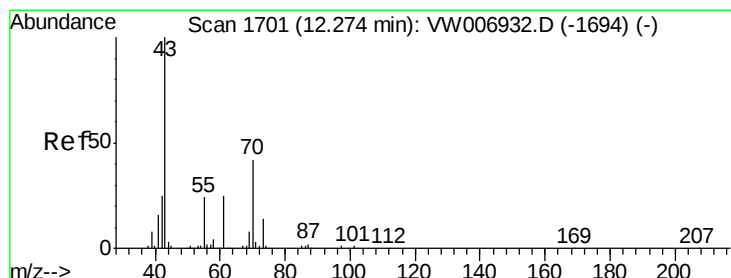
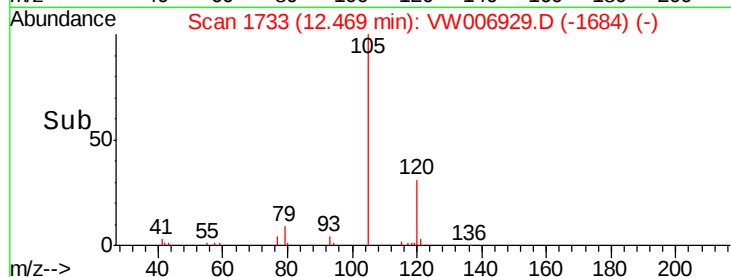
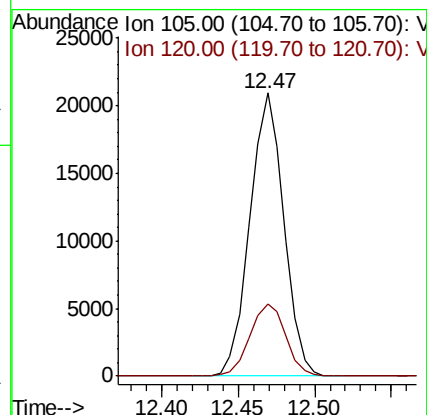
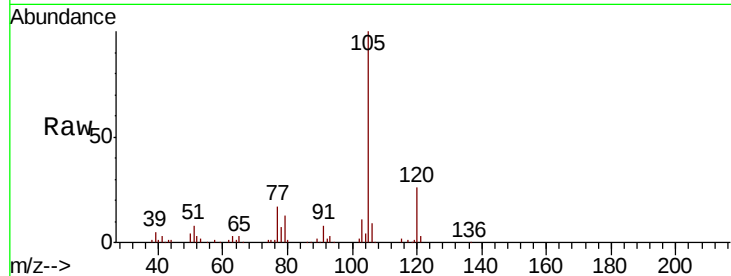
VSTDIC005

Tgt Ion:105 Resp: 32288

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



#74

N-ethyl acetate

Concen: 6.529 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Tgt Ion: 43 Resp: 6490

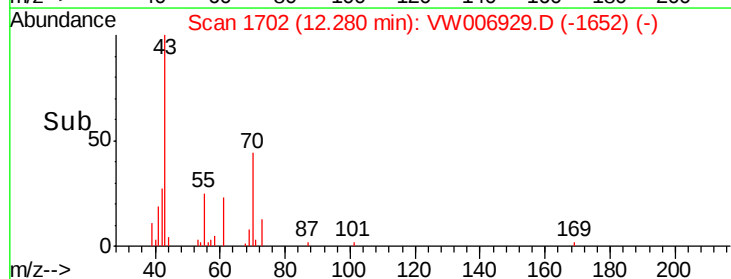
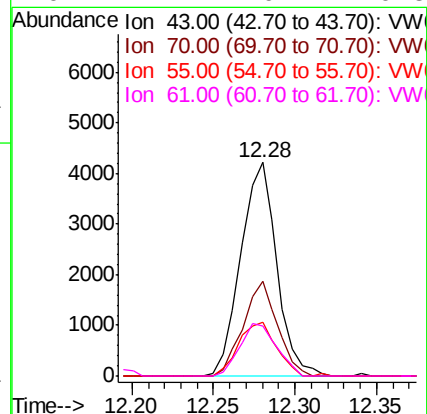
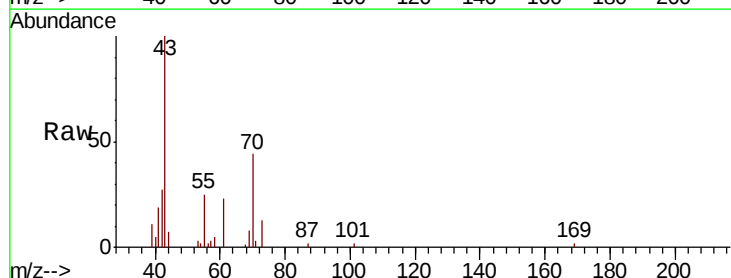
Ion Ratio Lower Upper

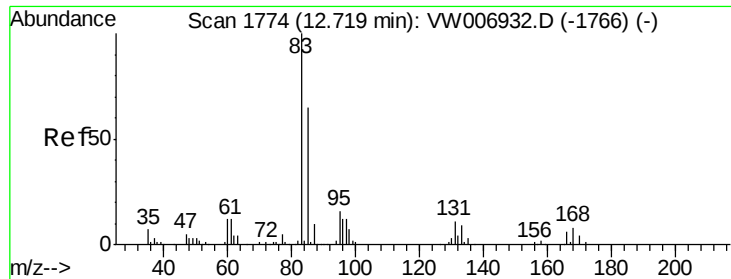
43 100

70 42.0 34.2 51.4

55 26.3 19.5 29.3

61 24.7 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.864 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

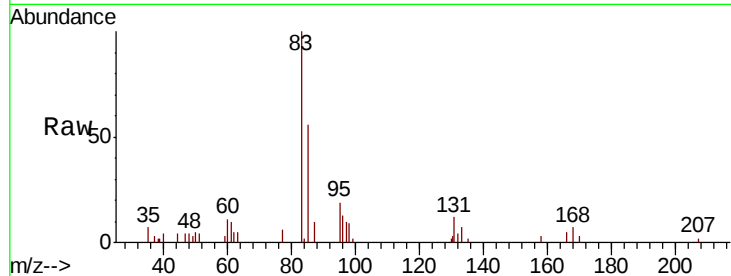
Tgt Ion: 83 Resp: 5073

Ion Ratio Lower Upper

83 100

131 9.9 5.6 16.8

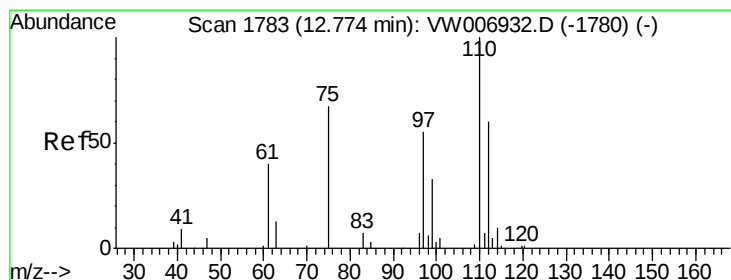
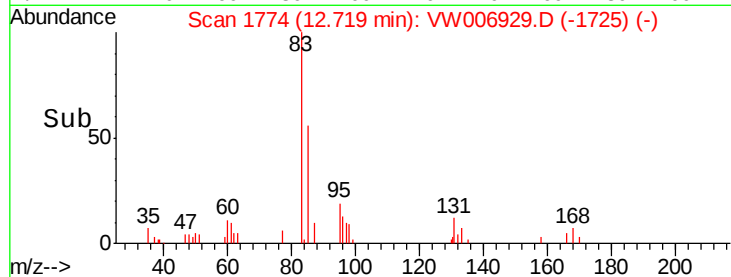
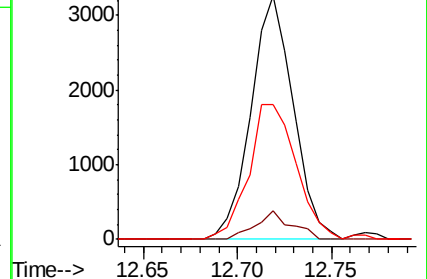
85 62.2 32.5 97.5



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: 10.064 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006929.D

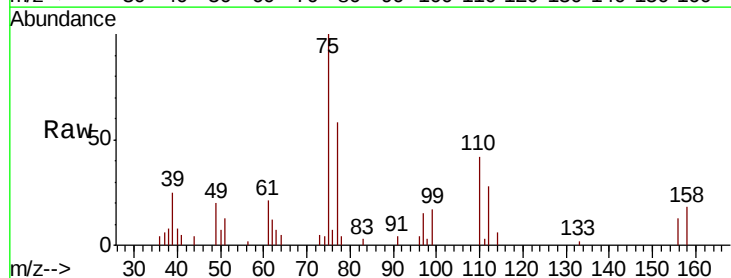
Acq: 16 Nov 2018 22:28

Tgt Ion: 75 Resp: 6645

Ion Ratio Lower Upper

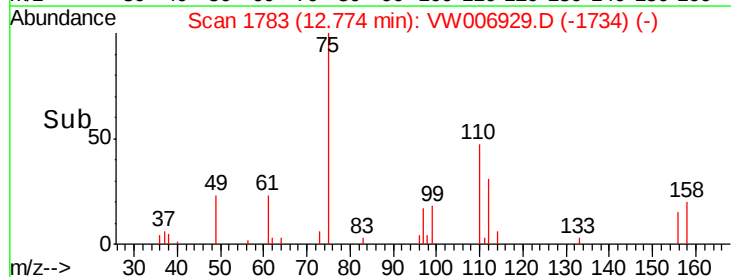
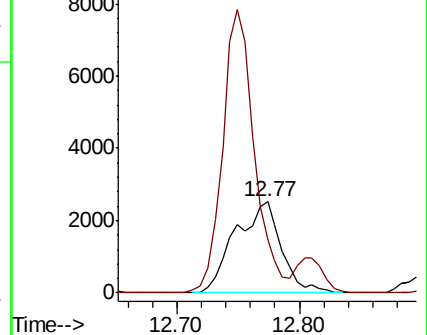
75 100

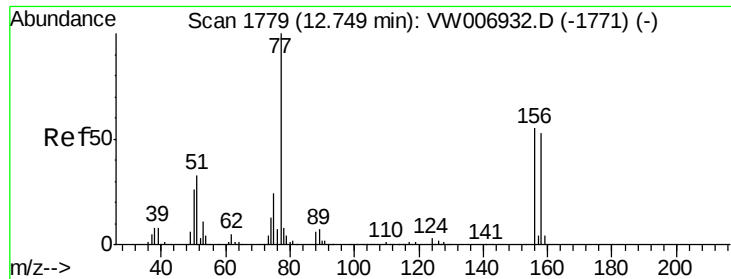
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.605 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

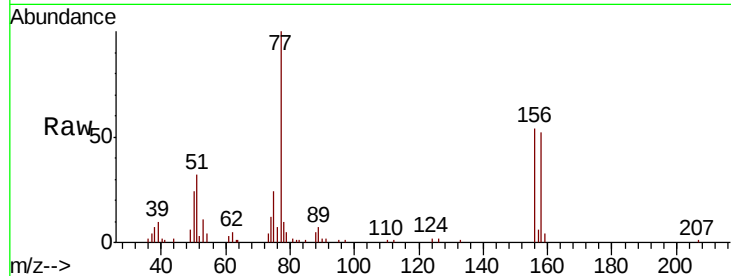
Tgt Ion: 156 Resp: 7022

Ion Ratio Lower Upper

156 100

77 201.5 97.8 293.3

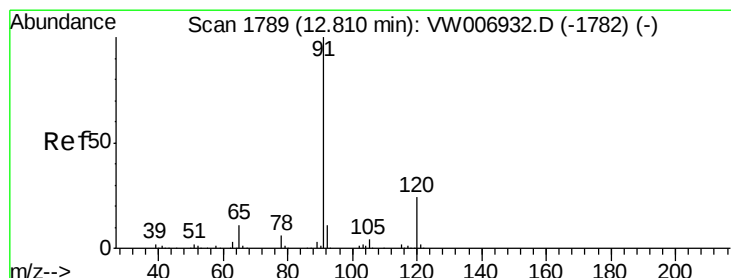
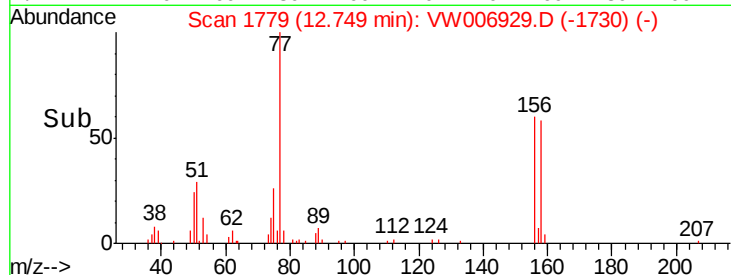
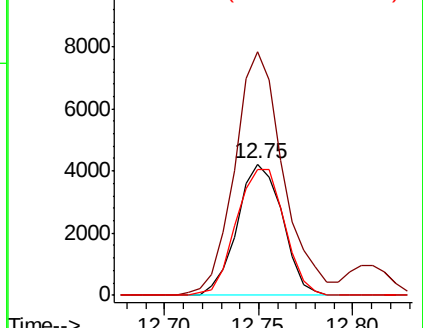
158 102.6 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.326 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006929.D

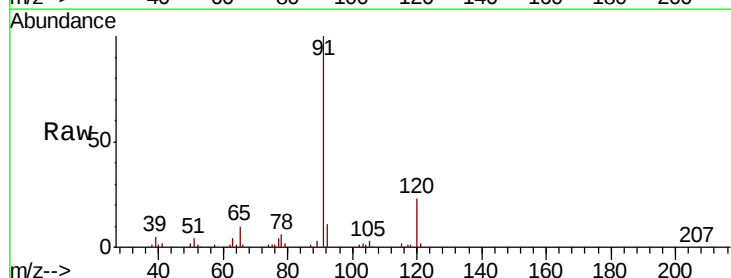
Acq: 16 Nov 2018 22:28

Tgt Ion: 91 Resp: 39077

Ion Ratio Lower Upper

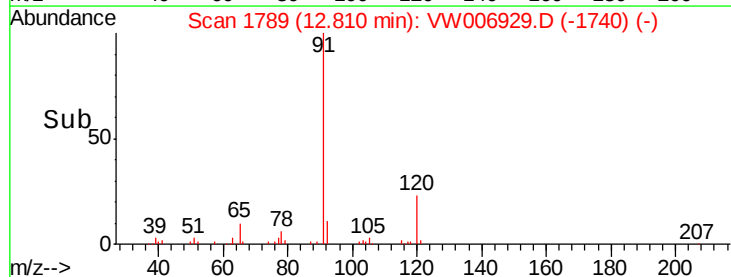
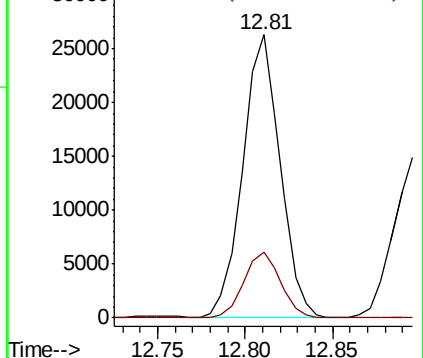
91 100

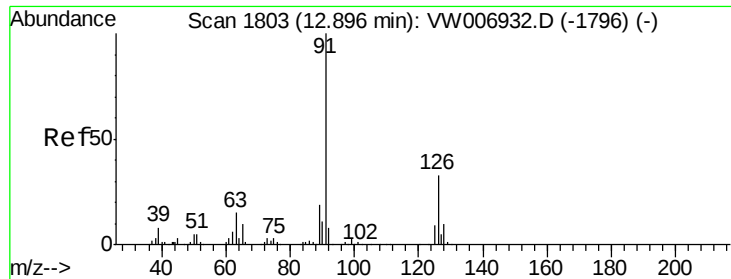
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

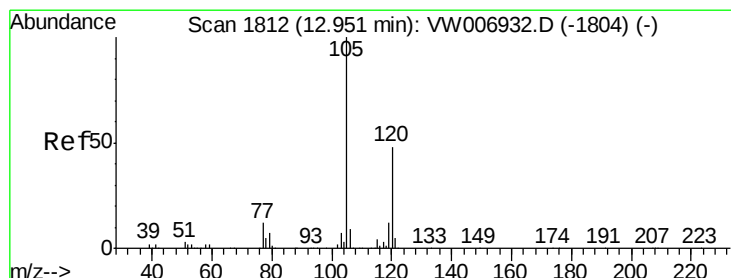
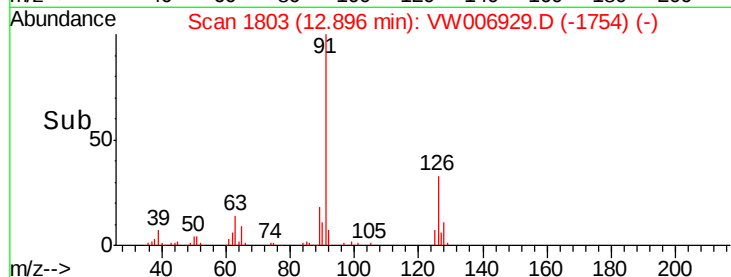
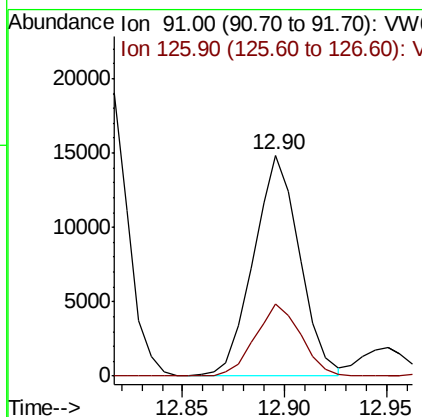
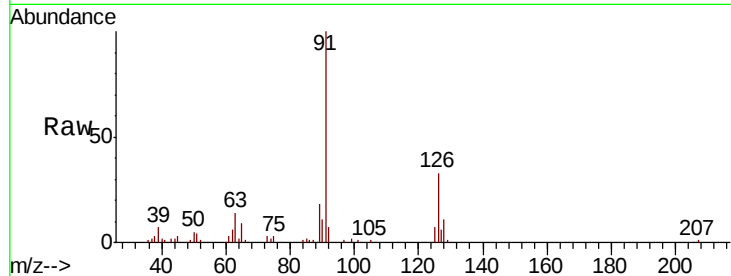




#79
 2-Chlorotoluene
 Concen: 5.620 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

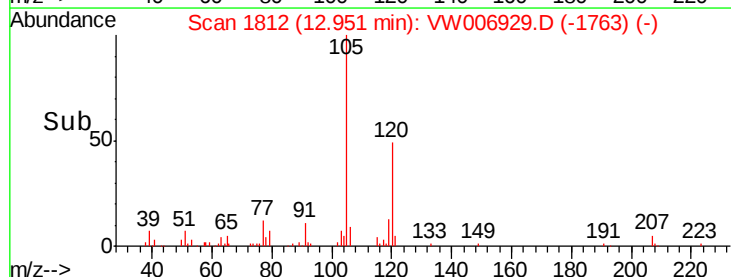
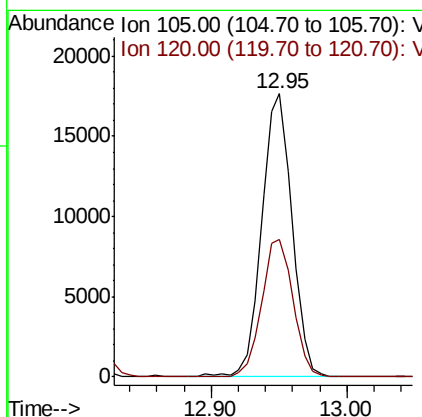
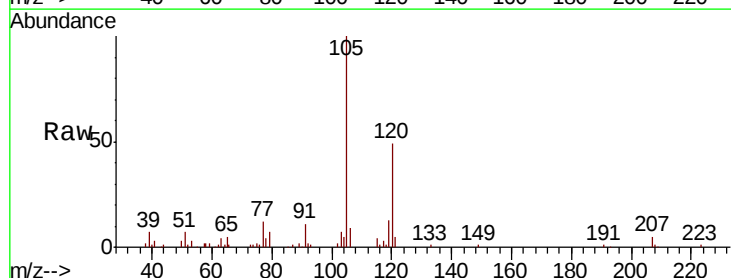
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

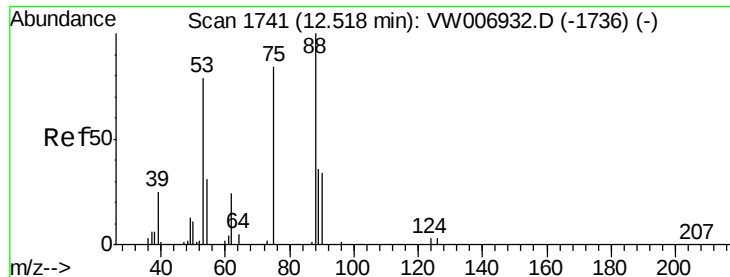
Tgt Ion: 91 Resp: 23313
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.6 49.7



#80
 1,3,5-Trimethylbenzene
 Concen: 5.173 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 105 Resp: 27553
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 5.272 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

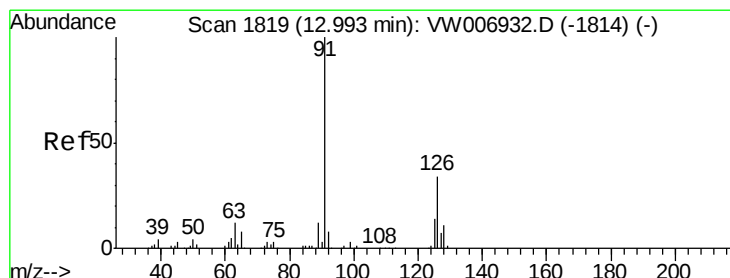
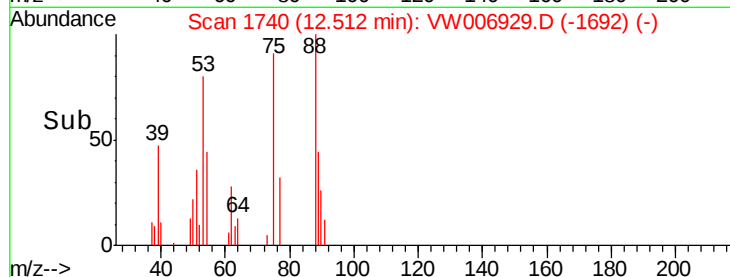
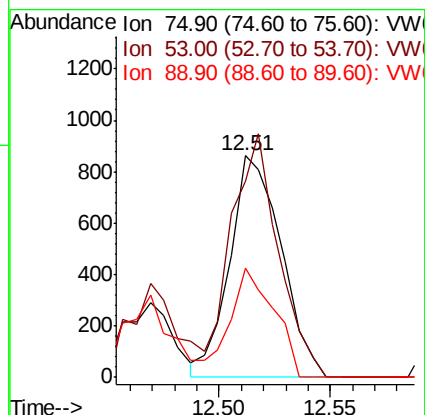
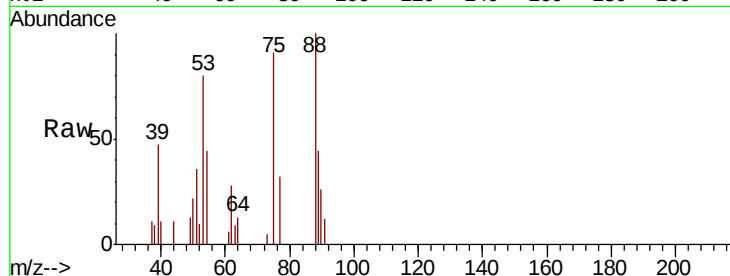
Tgt Ion: 75 Resp: 1392

Ion Ratio Lower Upper

75 100

53 99.6 79.3 118.9

89 41.7 39.5 59.3



#82

4-Chlorotoluene

Concen: 5.561 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006929.D

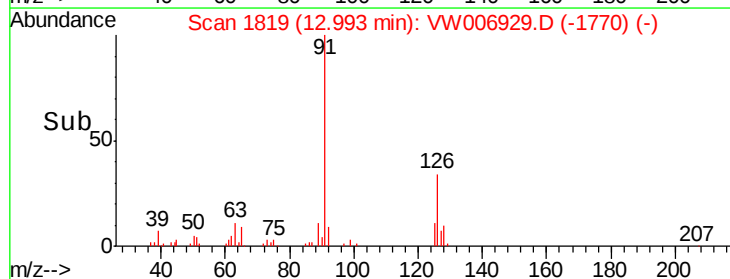
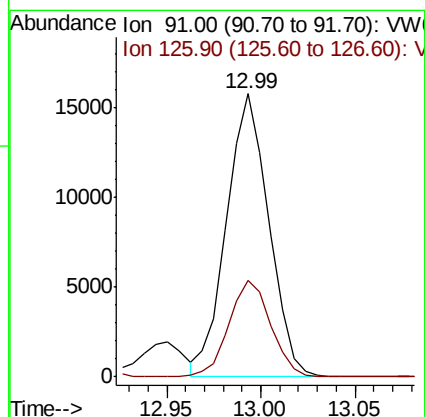
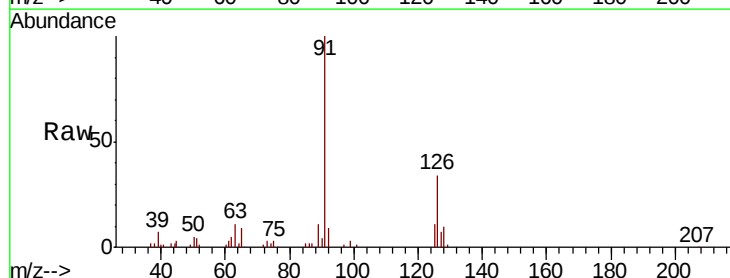
Acq: 16 Nov 2018 22:28

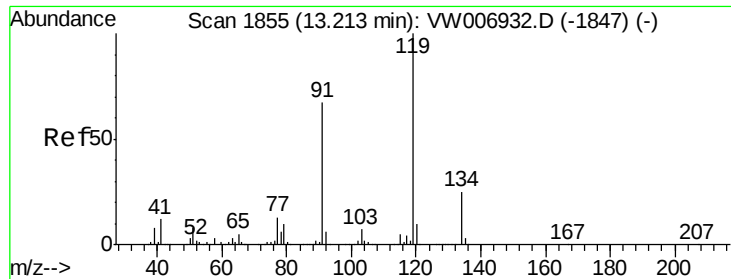
Tgt Ion: 91 Resp: 24587

Ion Ratio Lower Upper

91 100

126 33.5 16.2 48.6

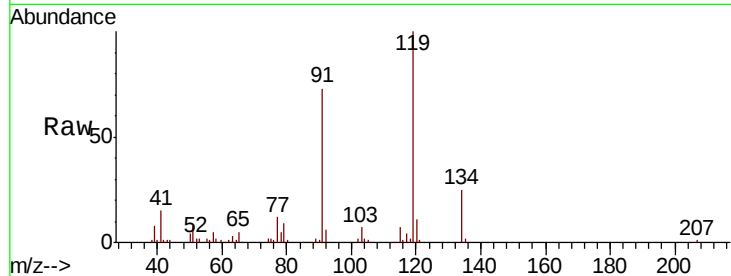




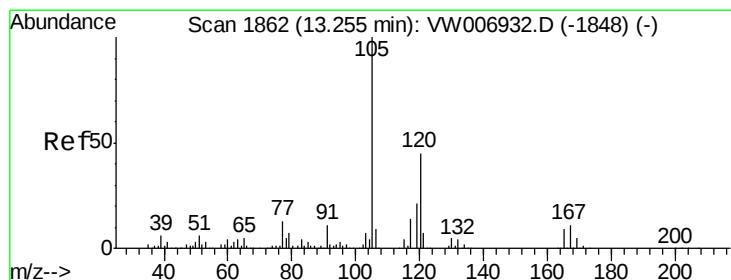
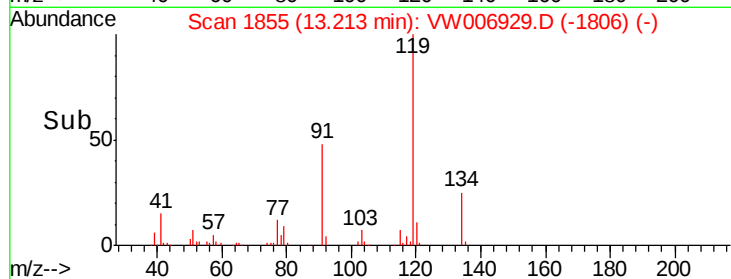
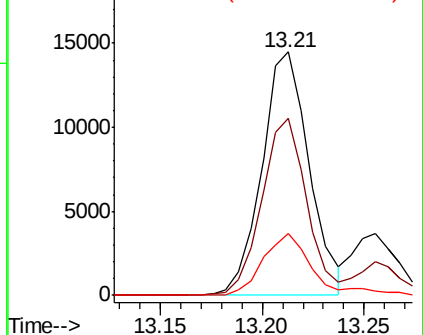
#83
 tert-Butylbenzene
 Concen: 5.019 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 23445
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.8 101.4
 134 26.2 12.6 37.8

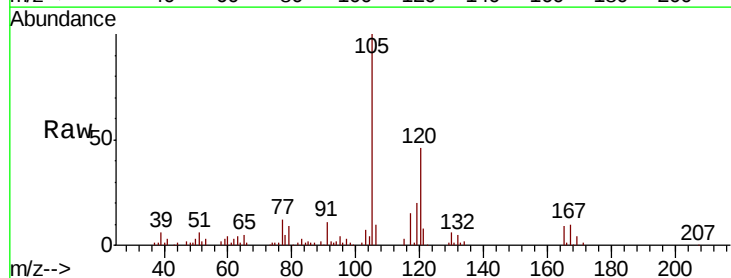


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

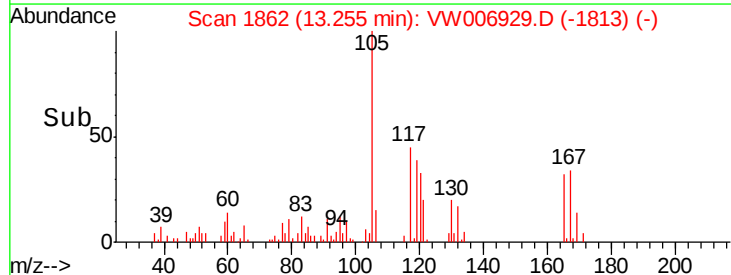
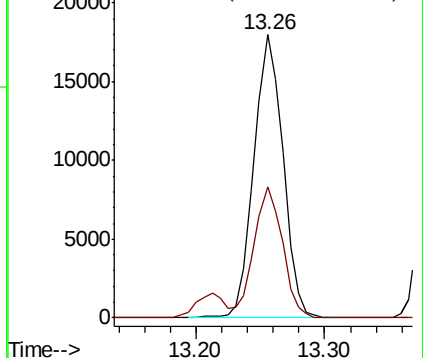


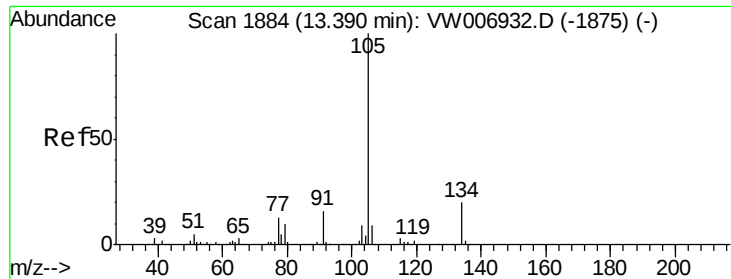
#84
 1,2,4-Trimethylbenzene
 Concen: 5.179 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion:105 Resp: 28028
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

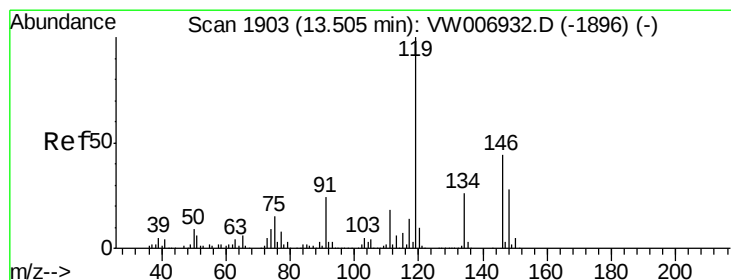
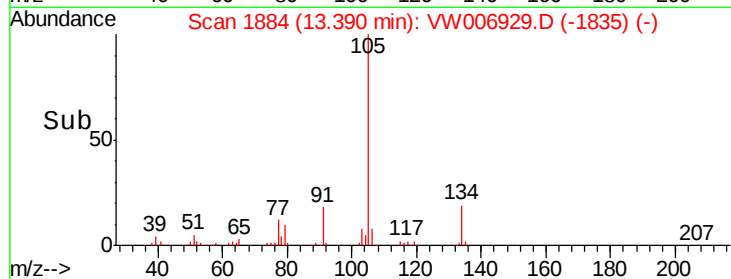
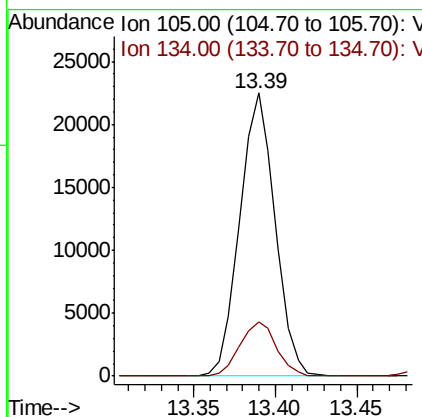
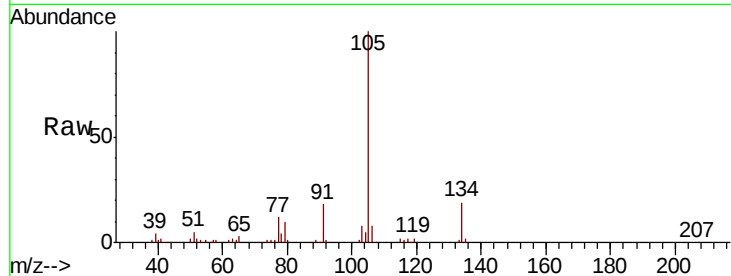




#85
 sec-Butylbenzene
 Concen: 5.112 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

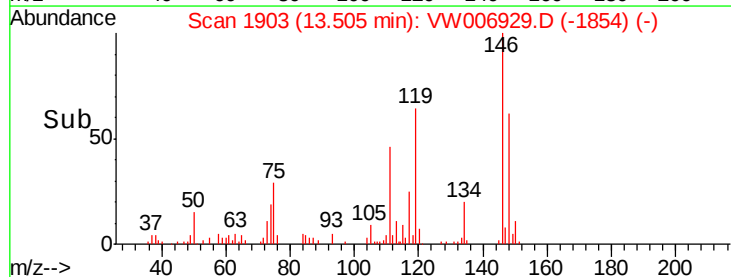
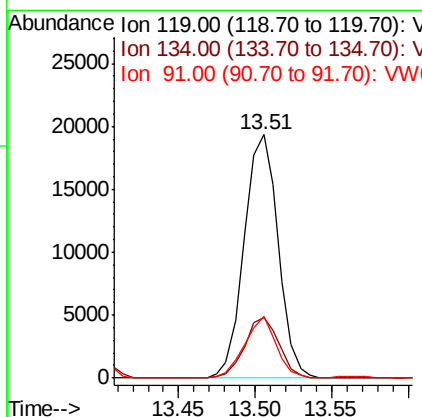
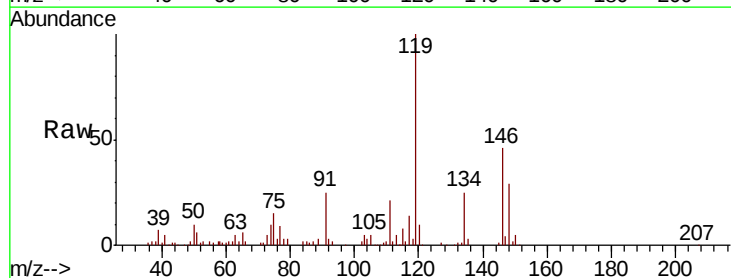
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

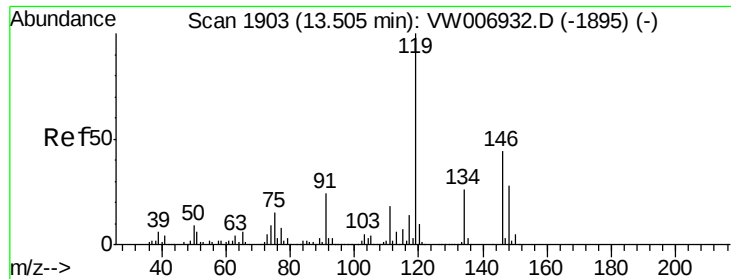
Tgt Ion:105 Resp: 33896
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 4.975 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion:119 Resp: 29788
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 23.8 12.4 37.2

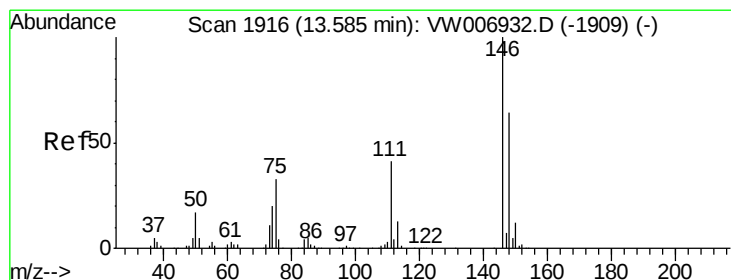
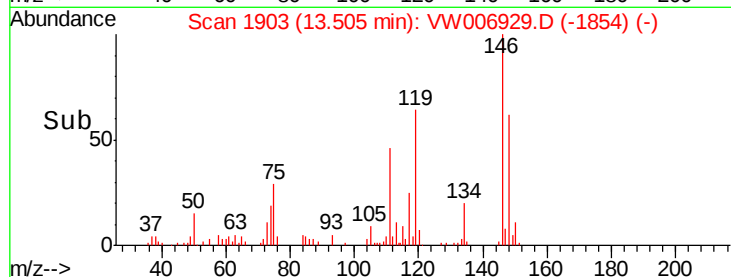
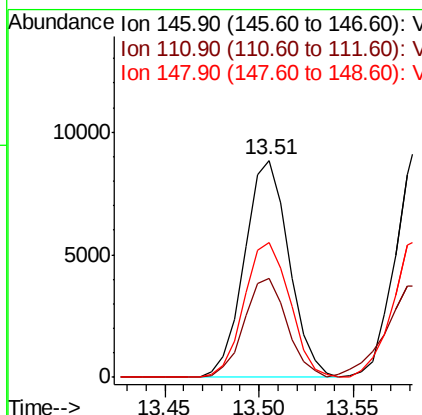
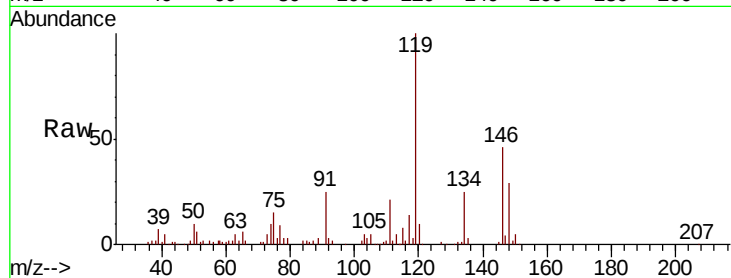




#87
 1,3-Dichlorobenzene
 Concen: 4.679 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

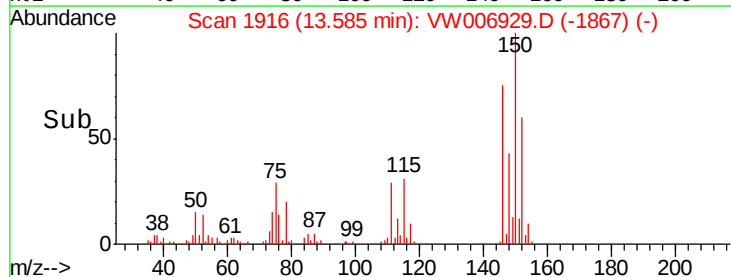
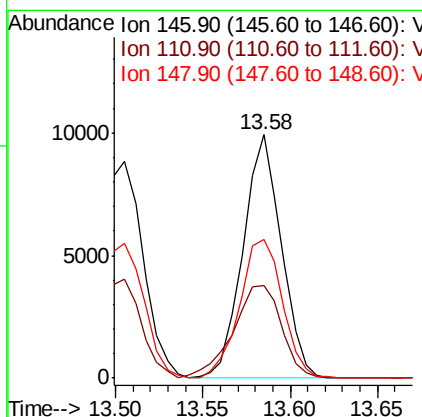
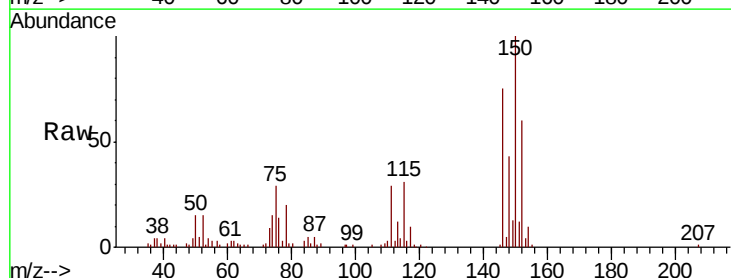
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

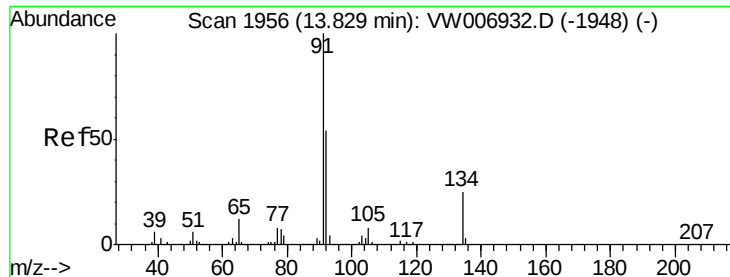
Tgt Ion:146 Resp: 14487
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.3 63.9
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 4.926 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion:146 Resp: 15107
 Ion Ratio Lower Upper
 146 100
 111 48.1 20.7 62.1
 148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 5.003 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

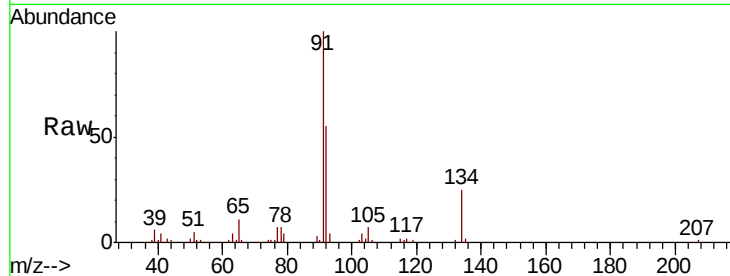
Tgt Ion: 91 Resp: 27609

Ion Ratio Lower Upper

91 100

92 53.6 26.4 79.2

134 26.1 12.9 38.6

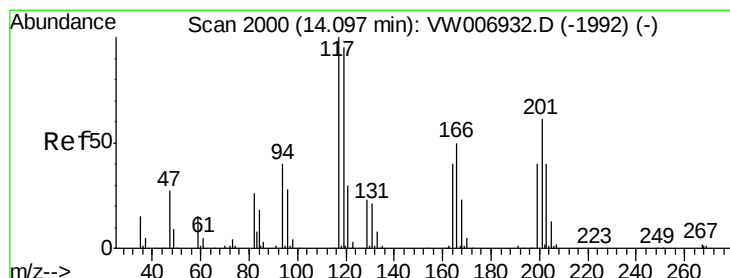
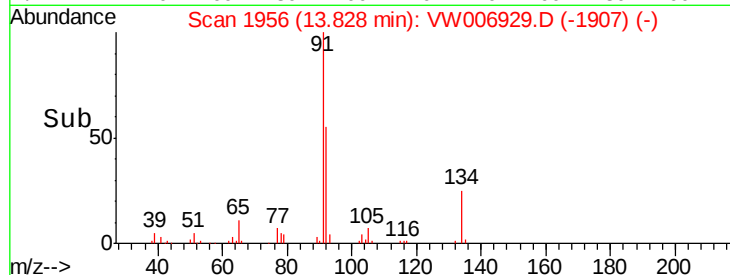
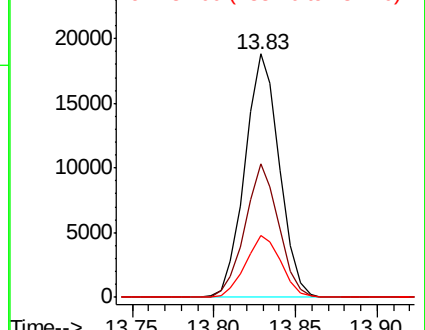


Abundance

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): V



#90

Hexachloroethane

Concen: 4.657 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW006929.D

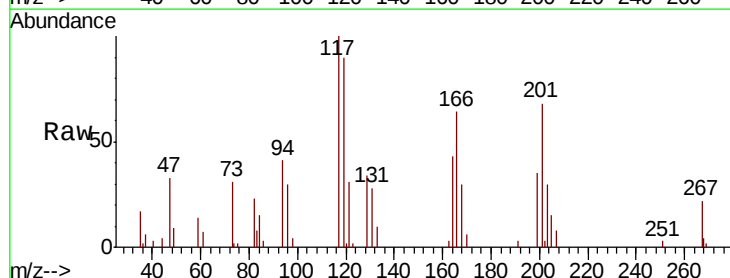
Acq: 16 Nov 2018 22:28

Tgt Ion: 117 Resp: 4485

Ion Ratio Lower Upper

117 100

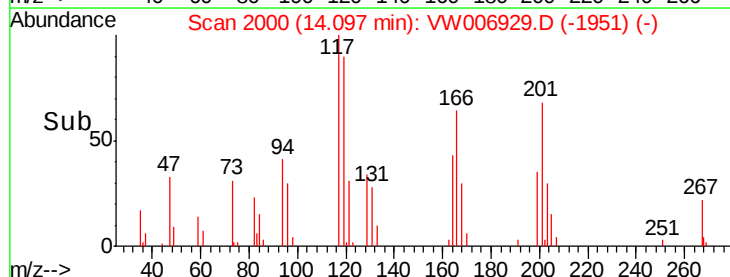
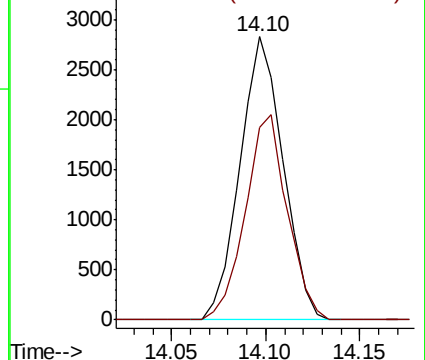
201 70.5 33.8 101.4

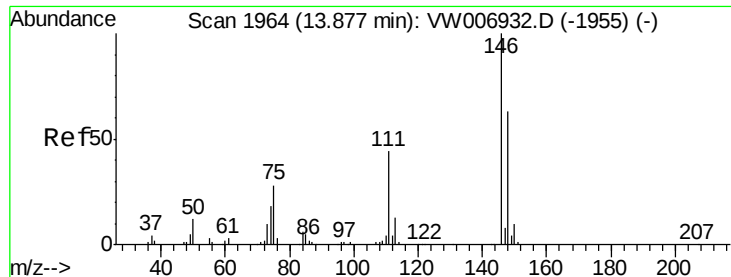


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

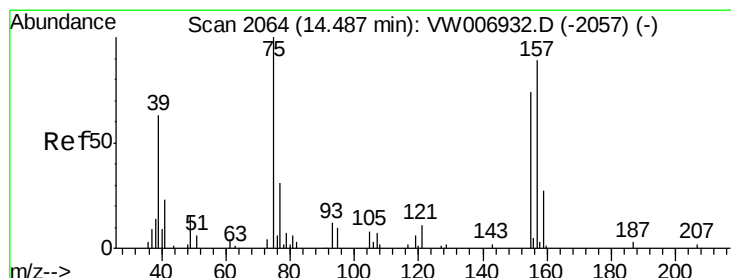
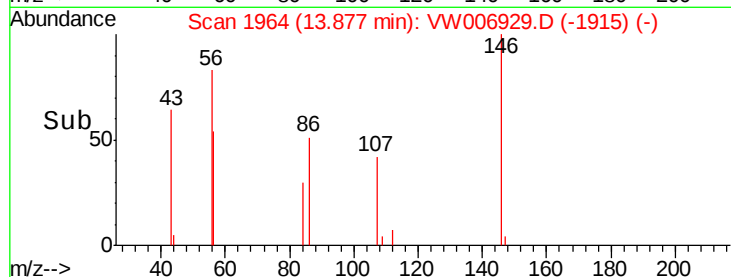
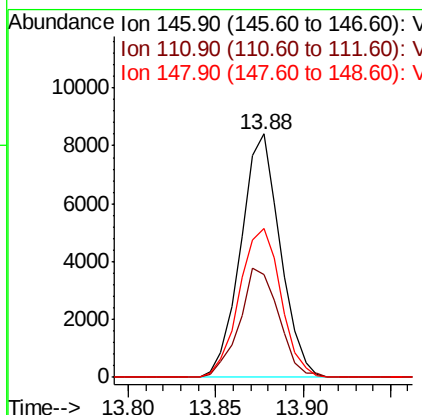
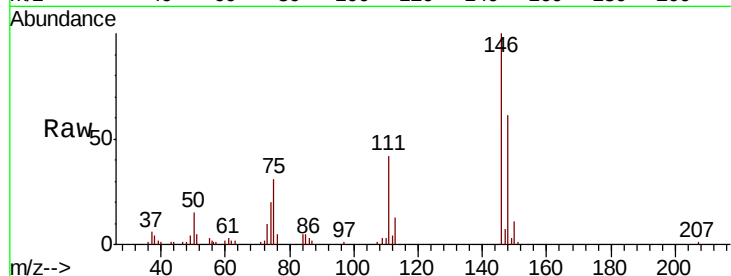




#91
 1,2-Dichlorobenzene
 Concen: 4.893 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

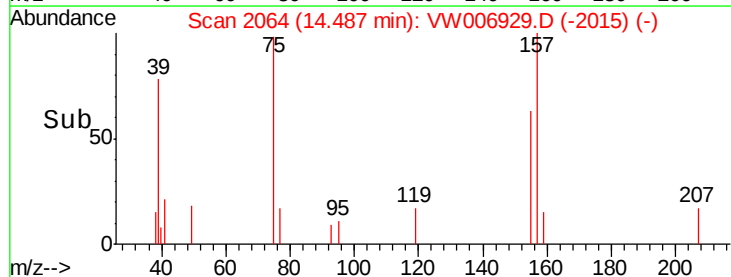
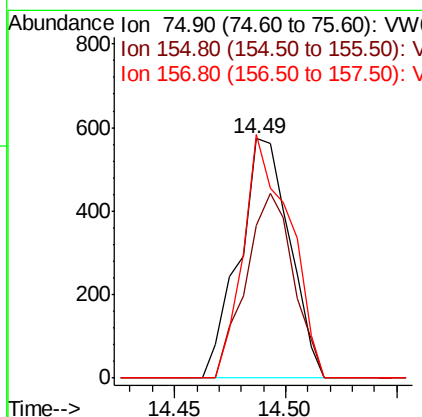
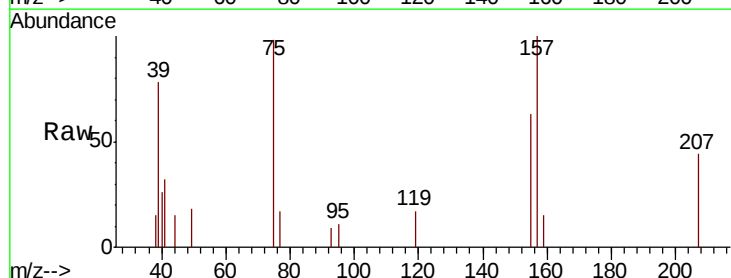
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

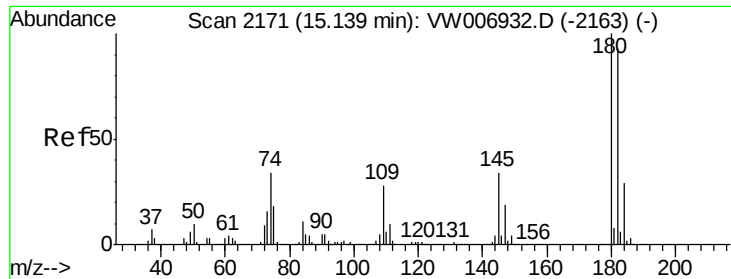
Tgt Ion: 146 Resp: 13250
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.6 67.7
 148 64.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.381 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion: 75 Resp: 908
 Ion Ratio Lower Upper
 75 100
 155 72.4 38.6 115.7
 157 93.2 49.7 149.1

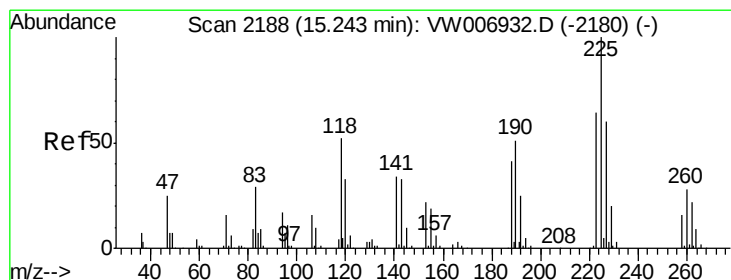
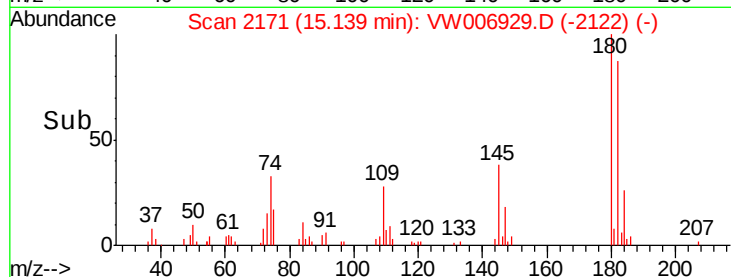
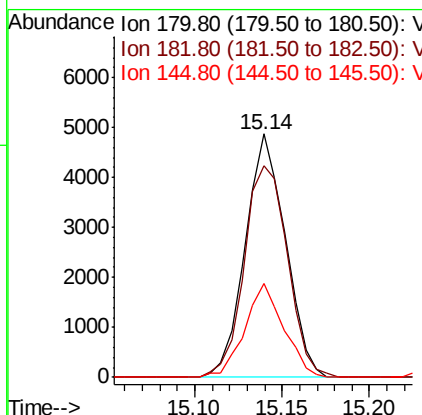
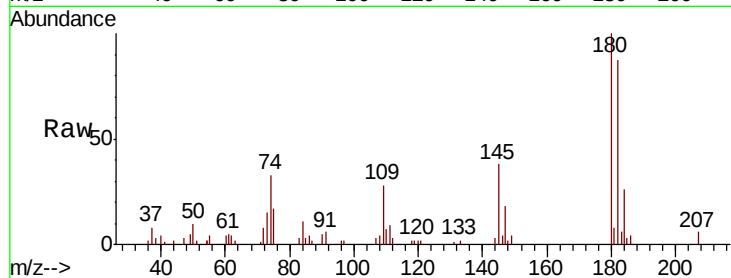




#93
 1,2,4-Trichlorobenzene
 Concen: 3.916 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

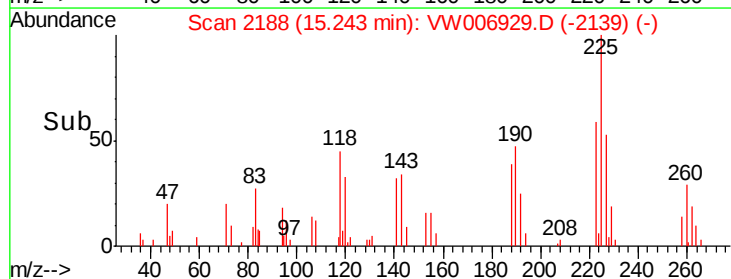
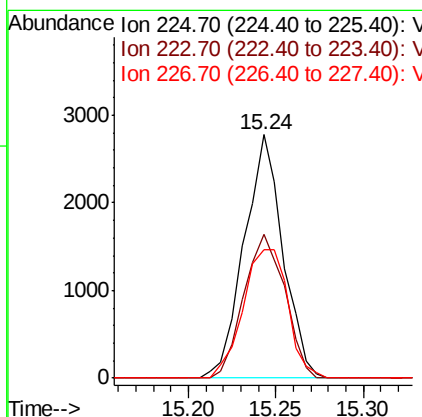
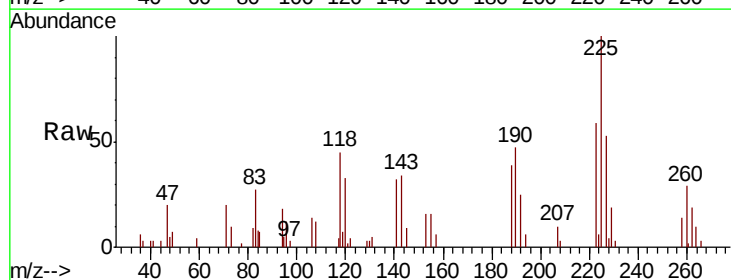
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

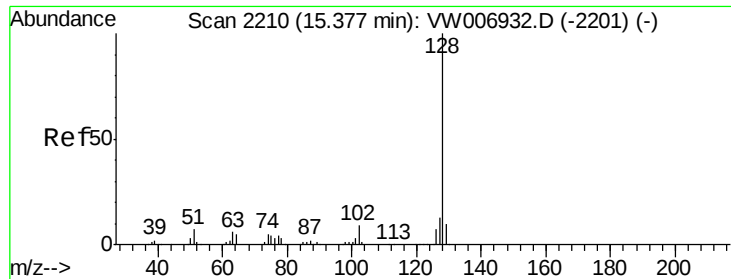
Tgt Ion:180 Resp: 7795
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.3 141.9
 145 37.0 16.8 50.4



#94
 Hexachlorobutadiene
 Concen: 3.478 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006929.D
 Acq: 16 Nov 2018 22:28

Tgt Ion:225 Resp: 4273
 Ion Ratio Lower Upper
 225 100
 223 62.3 32.1 96.3
 227 61.4 31.6 95.0





#95

Naphthalene

Concen: 4.760 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

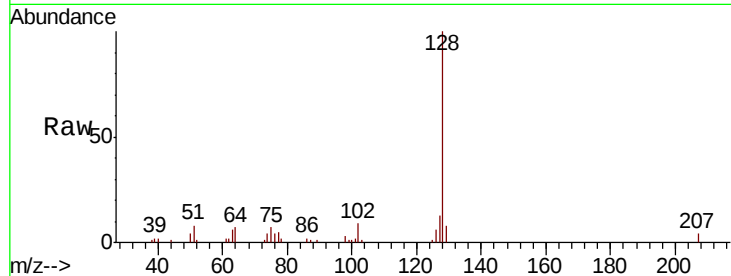
Tgt Ion:128 Resp: 14769

Ion Ratio Lower Upper

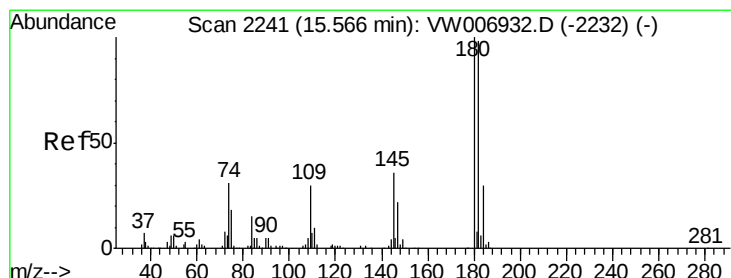
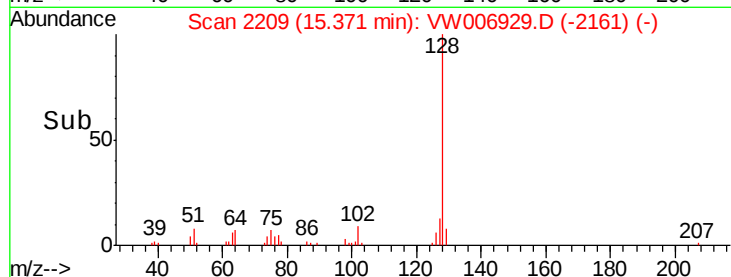
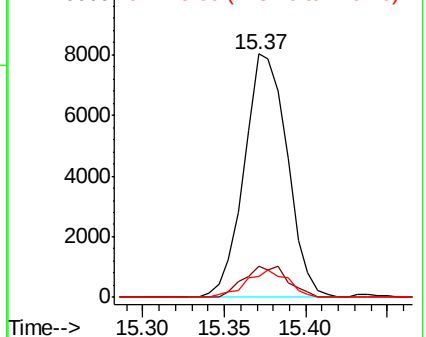
128 100

127 13.3 10.6 15.8

129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.050 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006929.D

Acq: 16 Nov 2018 22:28

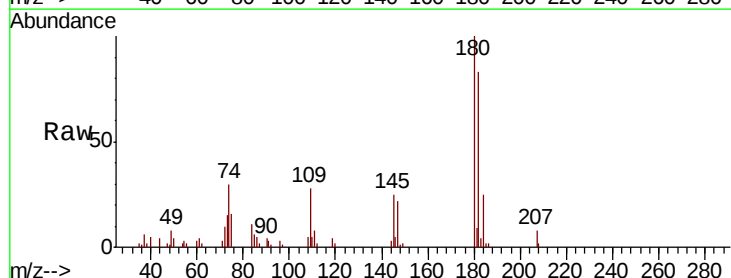
Tgt Ion:180 Resp: 6923

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.2

145 33.2 17.6 52.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

