

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009606.D
 Acq On : 31 Mar 2019 12:58
 Operator : SY/VA
 Sample : VW0331SBL01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:53:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	248883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	151230	53.14	ug/l	0.00
Spiked Amount						
			Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	129179	50.61	ug/l	0.00
Spiked Amount						
			Recovery	=	101.22%	
50) Toluene-d8	10.32	98	457560	48.50	ug/l	0.00
Spiked Amount						
			Recovery	=	97.00%	
62) 4-Bromofluorobenzene	12.62	95	155163	44.08	ug/l	0.00
Spiked Amount						
			Recovery	=	88.16%	

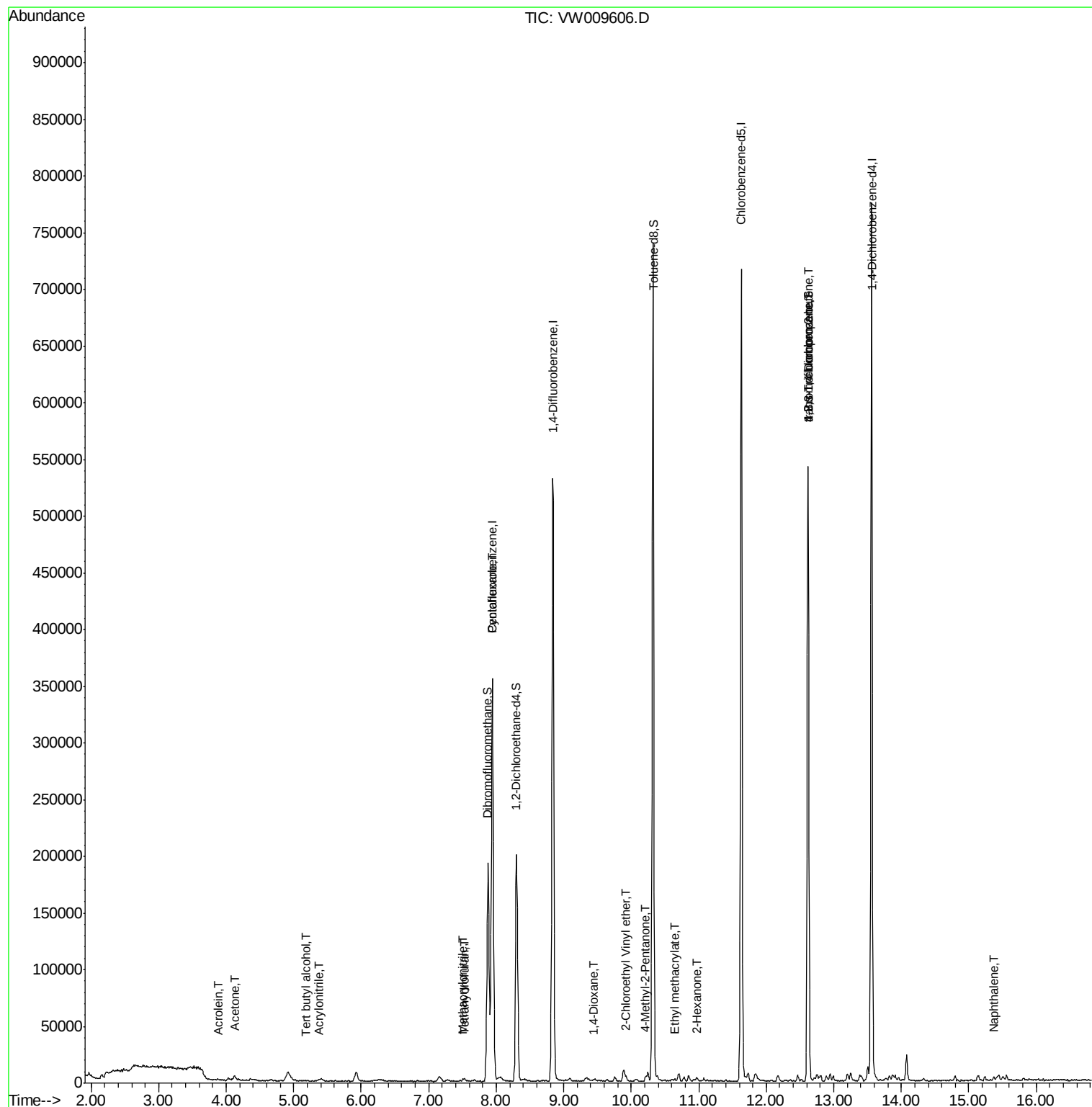
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	414	Below Cal	#	47
11) Tert butyl alcohol	5.18	59	620	3.757	ug/l #	87
13) Acrolein	3.89	56	260	2.148	ug/l	100
15) Acrylonitrile	5.37	53	915	1.558	ug/l #	81
16) Acetone	4.13	43	8350	13.049	ug/l #	84
20) Methylene Chloride	4.91	84	7374	Below Cal		91
29) Tetrahydrofuran	7.52	42	898	1.635	ug/l #	25
31) Cyclohexane	7.94	56	8326	1.778	ug/l #	42
41) Methacrylonitrile	7.50	41	852	4.525	ug/l #	26
49) 1,4-Dioxane	9.45	88	226	9.612	ug/l #	64
51) 4-Methyl-2-Pentanone	10.21	43	3798	1.814	ug/l #	78
56) Ethyl methacrylate	10.65	69	690	4.012	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.92	63	954	17.641	ug/l #	76
59) 2-Hexanone	10.97	43	2394	1.652	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	89015	52.922	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89015	123.069	ug/l #	7
95) Naphthalene	15.37	128	2217	3.025	ug/l #	92

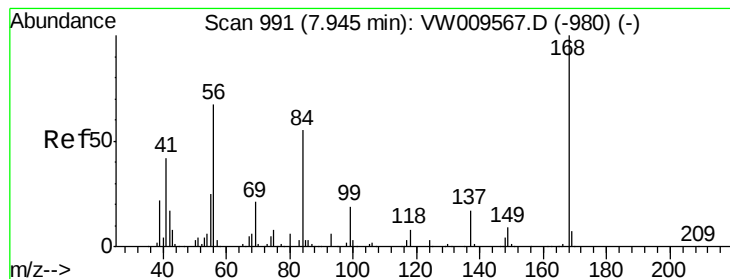
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW033119\
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Apr 01 04:53:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

Instrument :

MSVOA_W

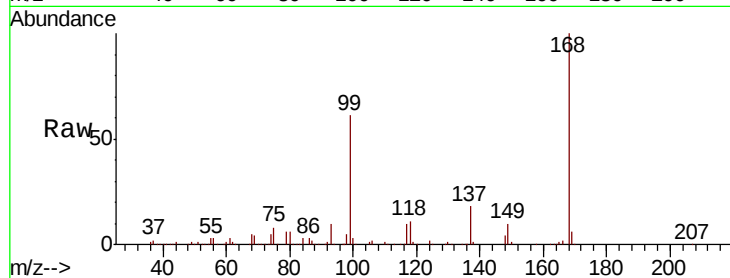
ClientSampled :

Tot Ion:168 Resp: 248883

Ion Ratio Lower Upper

168 100

99 60.9 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

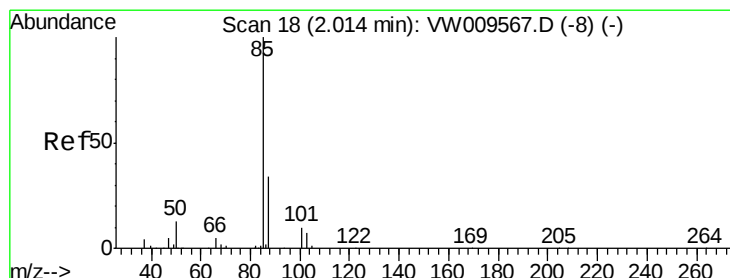
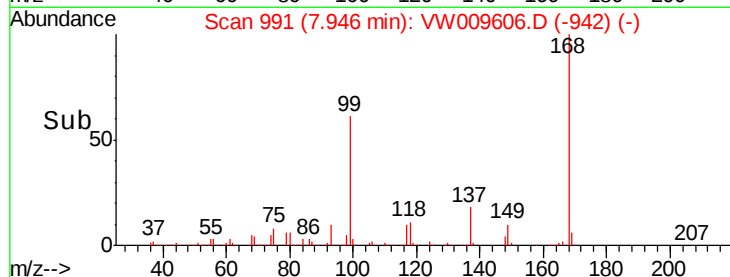
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW009606.D

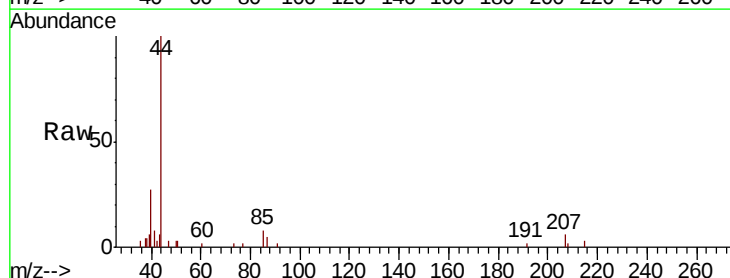
Acq: 31 Mar 2019 12:58

Tgt Ion: 85 Resp: 414

Ion Ratio Lower Upper

85 100

87 63.5 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

300

250

200

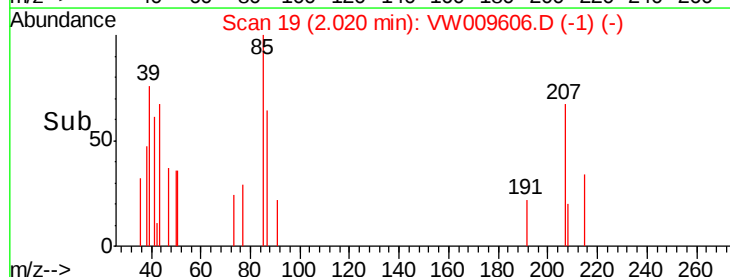
150

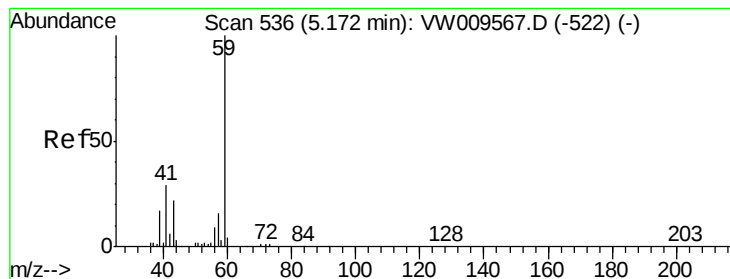
100

50

0

Time--> 1.95 2.00 2.05



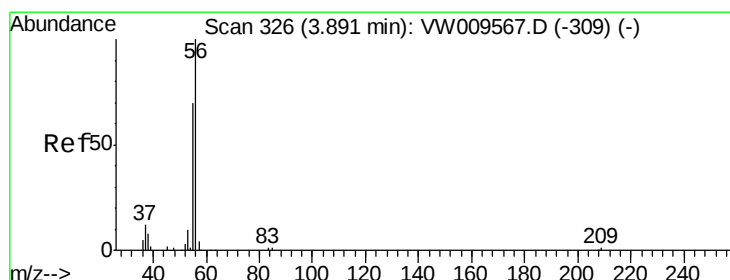
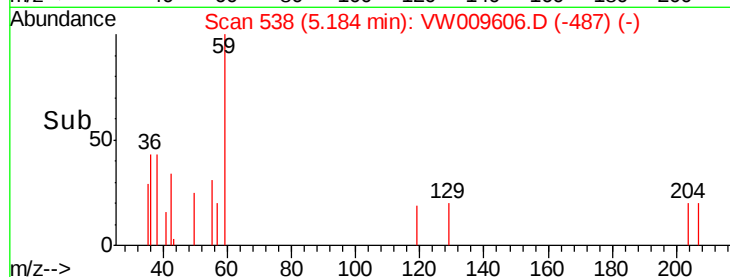
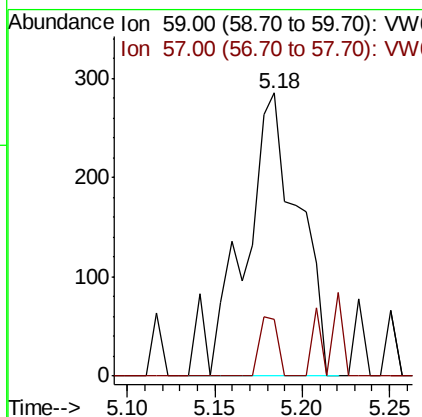
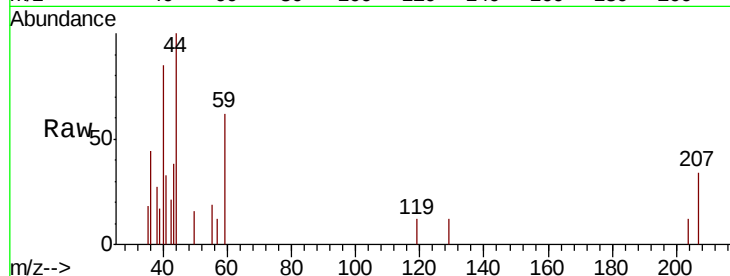


#11

Tert butyl alcohol
 Concen: 3.757 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW009606.D
 Acq: 31 Mar 2019 12:58

Instrument :
 MSVOA_W
 ClientSampleId :

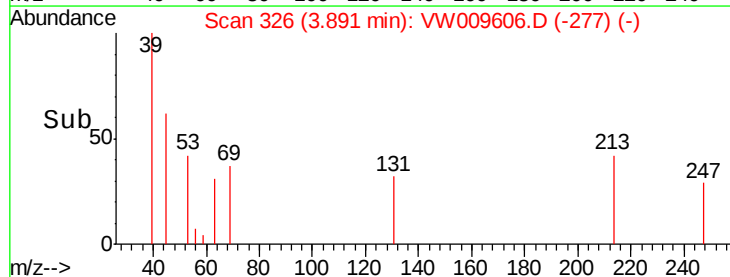
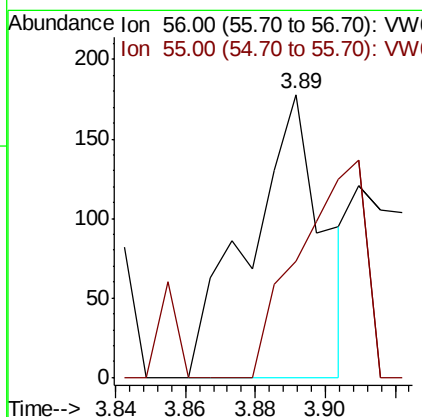
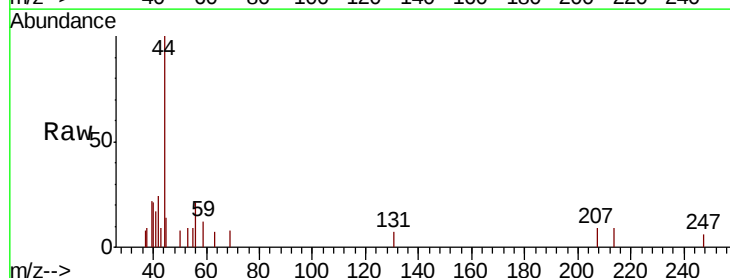
Tot Ion: 59 Resp: 620
 Ion Ratio Lower Upper
 59 100
 57 6.8 9.4 14.0#

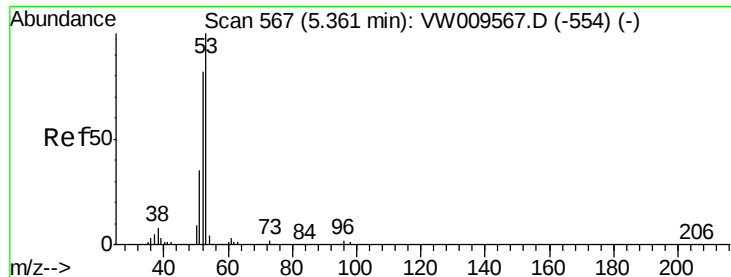


#13

Acrolein
 Concen: 2.148 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW009606.D
 Acq: 31 Mar 2019 12:58

Tgt Ion: 56 Resp: 260
 Ion Ratio Lower Upper
 56 100
 55 69.2 55.2 82.8





#15

Acrylonitrile

Concen: 1.558 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

Instrument :

MSVOA_W

ClientSampled :

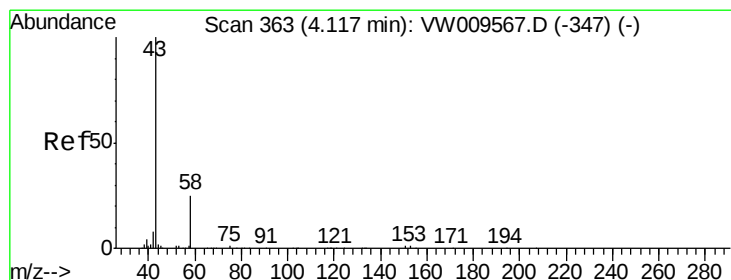
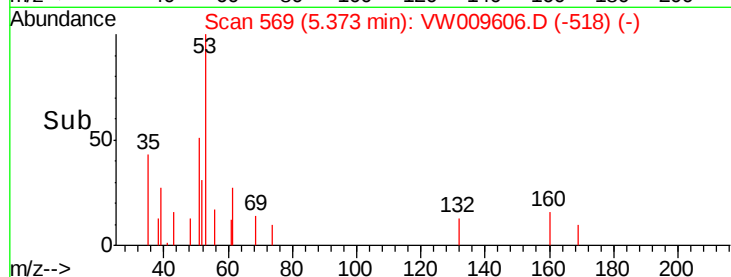
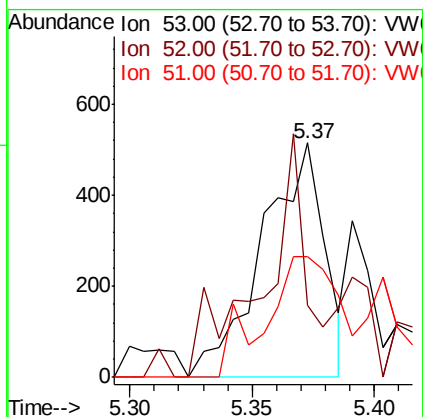
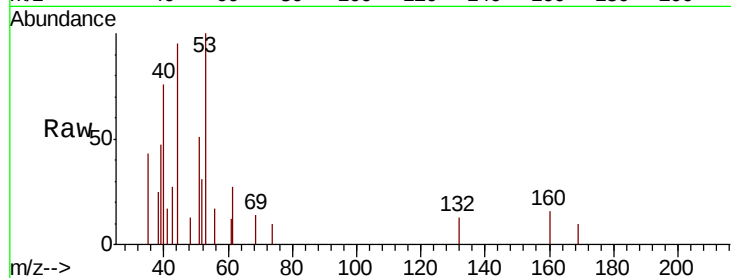
Tot Ion: 53 Resp: 915

Ion Ratio Lower Upper

53 100

52 74.8 67.6 101.4

51 60.9 30.6 45.8#



#16

Acetone

Concen: 13.049 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009606.D

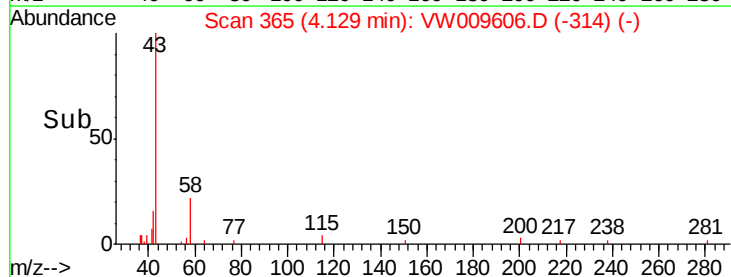
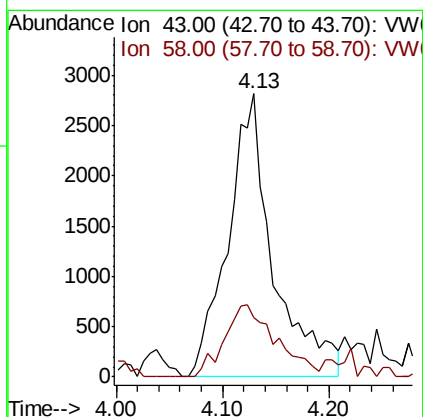
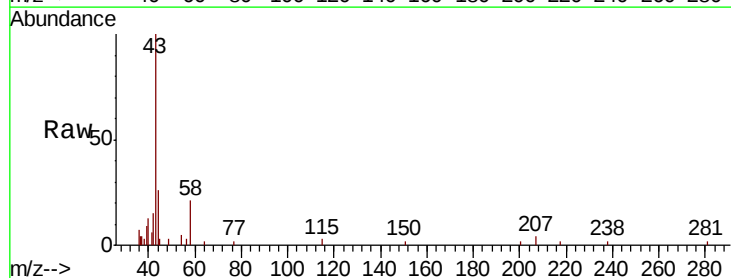
Acq: 31 Mar 2019 12:58

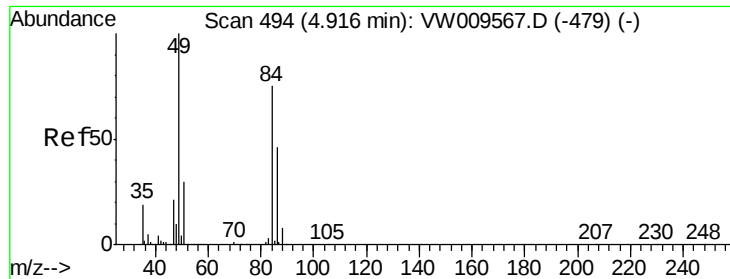
Tgt Ion: 43 Resp: 8350

Ion Ratio Lower Upper

43 100

58 20.8 23.6 35.4#

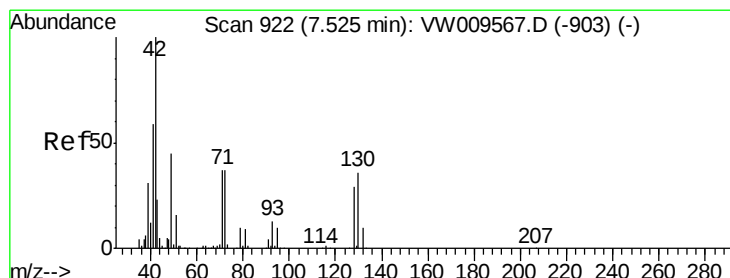
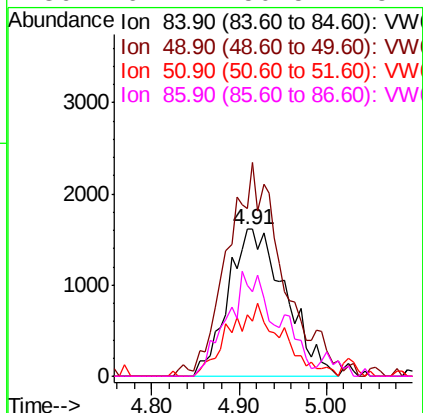
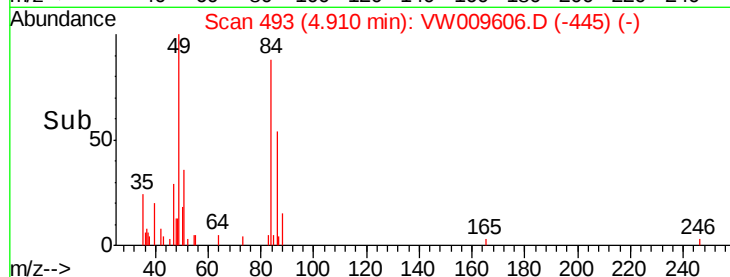
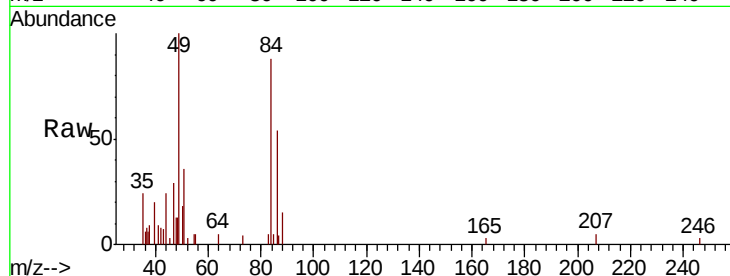




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

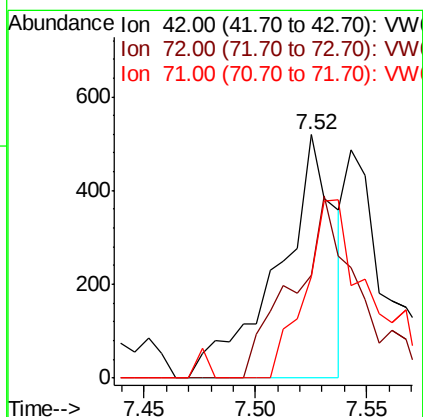
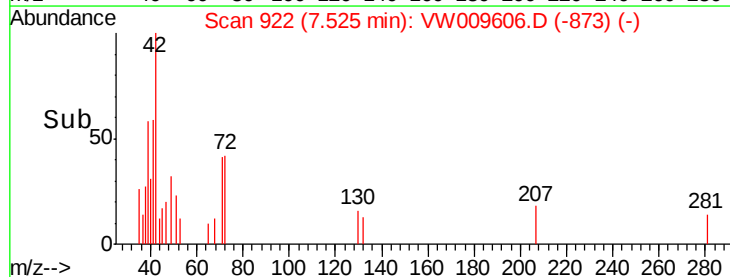
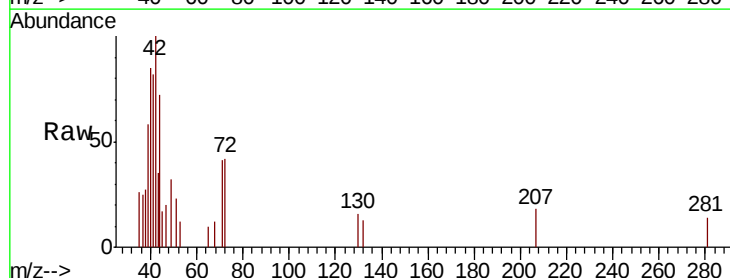
Instrument :
MSVOA_W
ClientSampleId :

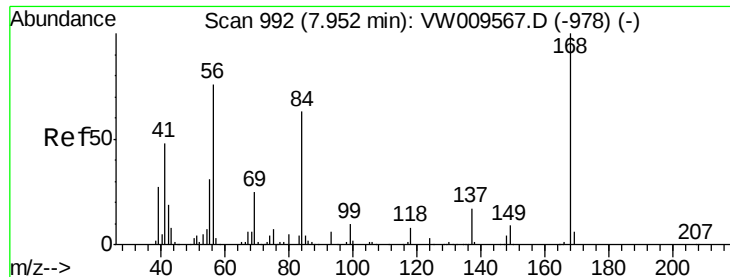
Tot Ion: 84 Resp: 7374
Ion Ratio Lower Upper
84 100
49 109.7 99.1 148.7
51 41.6 28.7 43.1
86 62.1 50.5 75.7



#29
Tetrahydrofuran
Concen: 1.635 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Tgt Ion: 42 Resp: 898
Ion Ratio Lower Upper
42 100
72 87.2 32.4 48.6#
71 82.0 30.1 45.1#

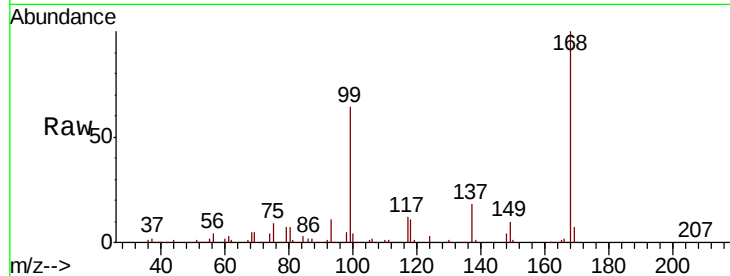




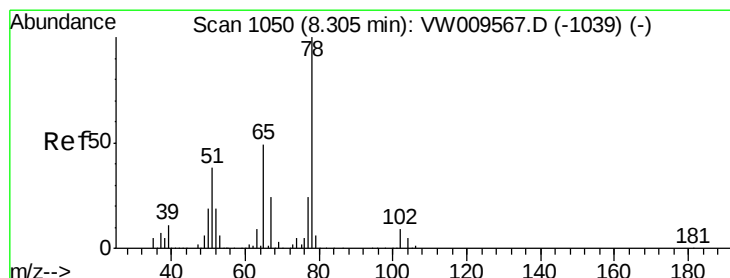
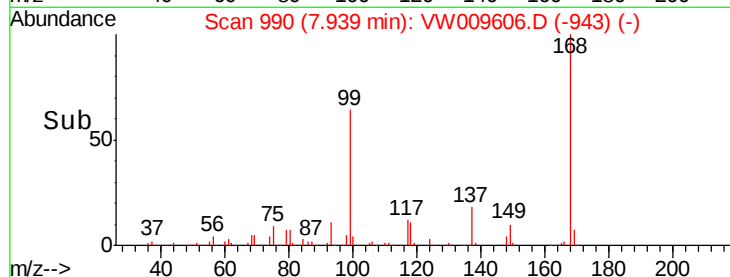
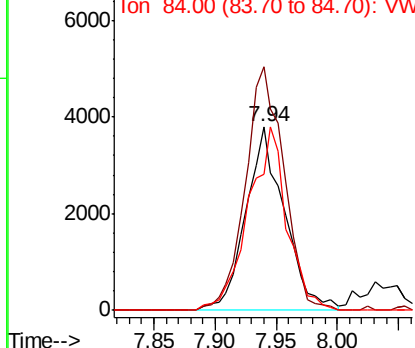
#31
Cyclohexane
Concen: 1.778 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 8326
Ion Ratio Lower Upper
56 100
69 132.6 26.1 39.1#
84 74.3 68.6 103.0

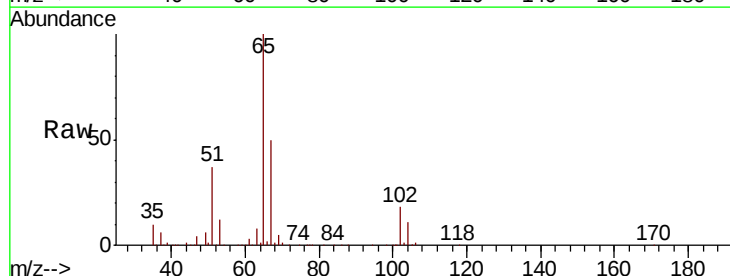


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

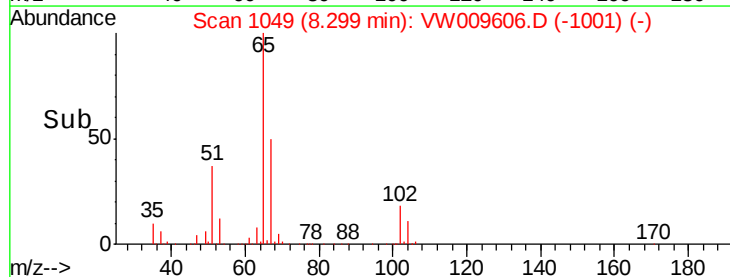
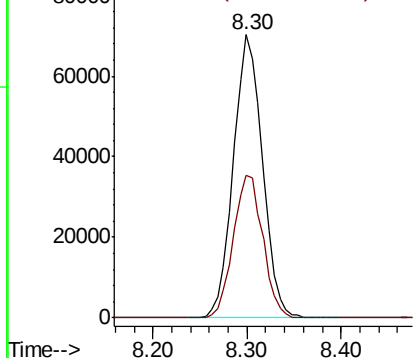


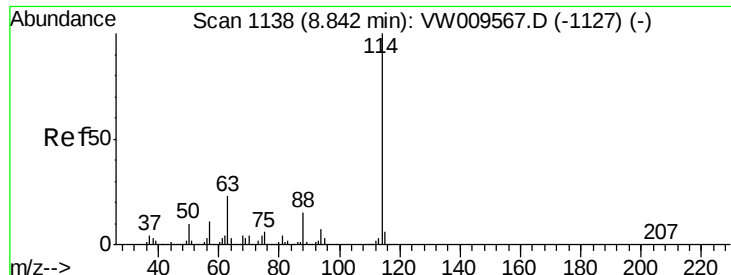
#33
1,2-Dichloroethane-d4
Concen: 53.136 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Tgt Ion: 65 Resp: 151230
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

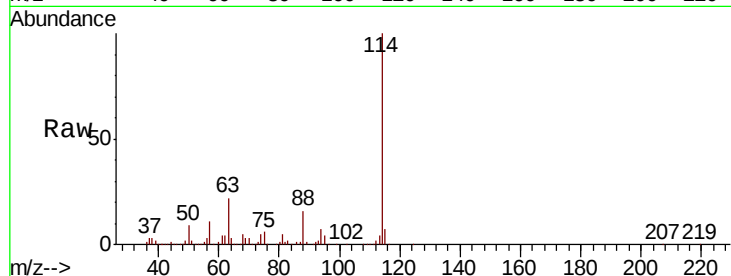




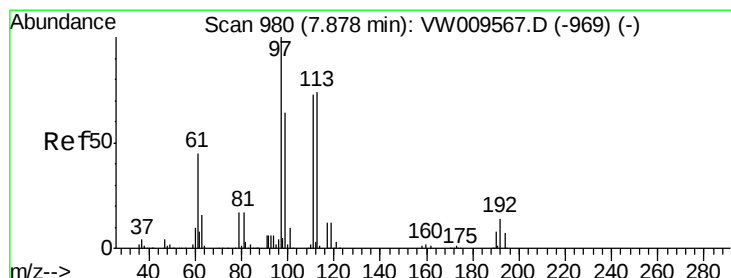
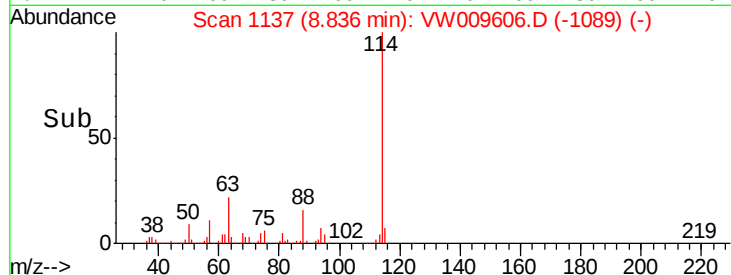
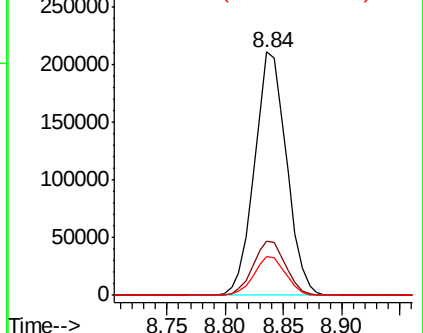
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:114 Resp: 406412
Ion Ratio Lower Upper
114 100
63 22.4 0.0 42.2
88 15.9 0.0 30.8

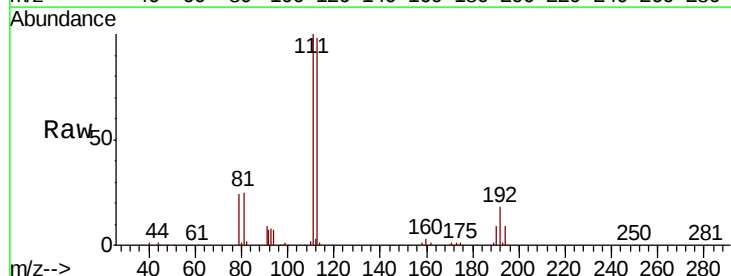


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

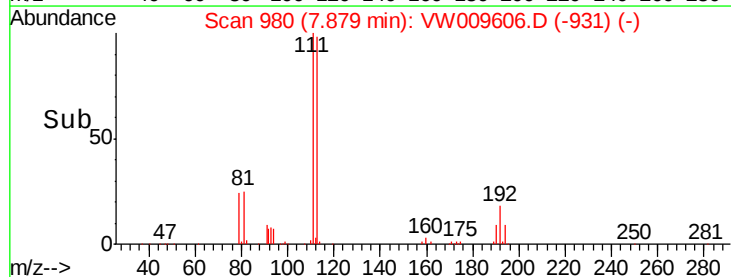
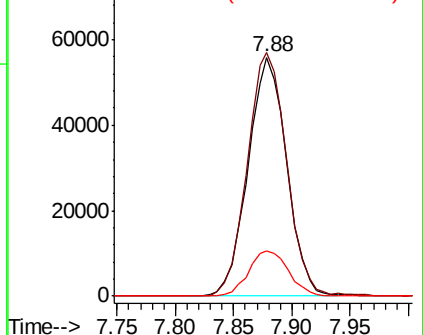


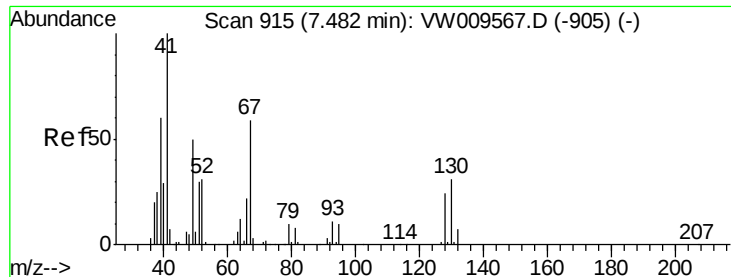
#35
Dibromofluoromethane
Concen: 50.607 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Tgt Ion:113 Resp: 129179
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 19.5 16.4 24.6



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

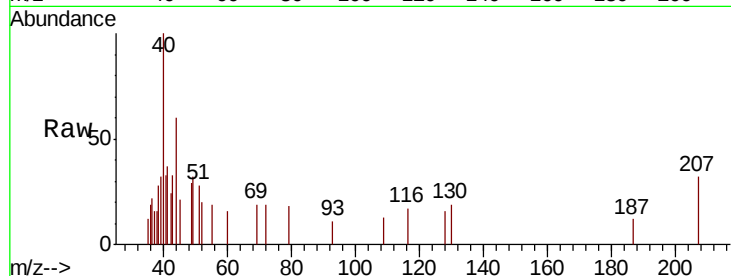




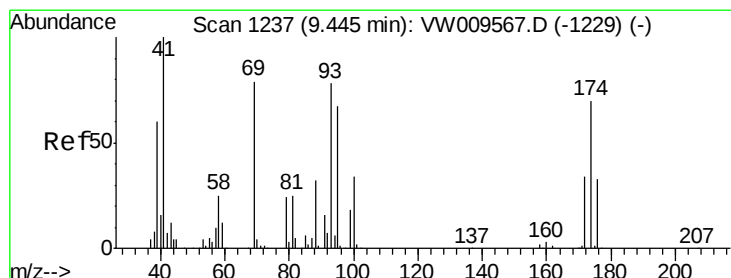
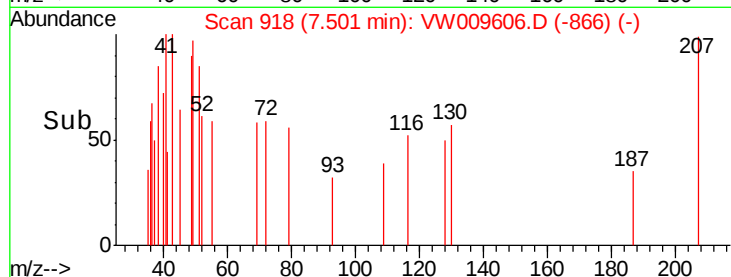
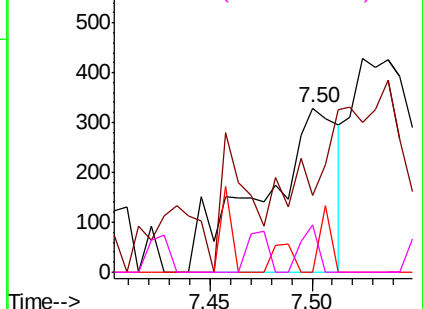
#41
Methacrylonitrile
Concen: 4.525 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.02 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 852
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 5.8 56.6 84.8#
52 6.7 27.2 40.8#

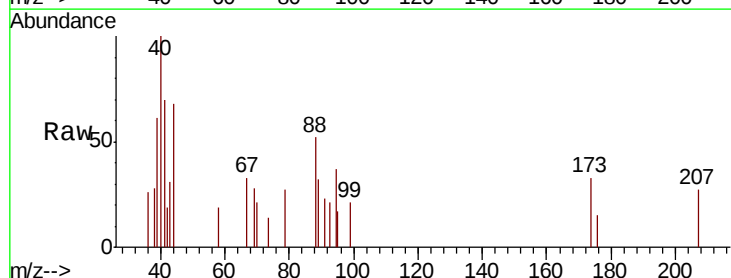


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

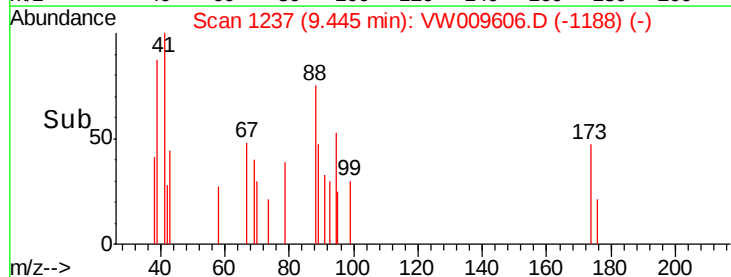
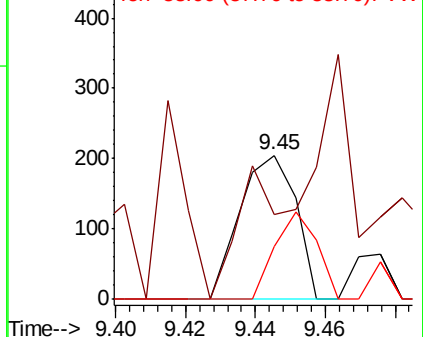


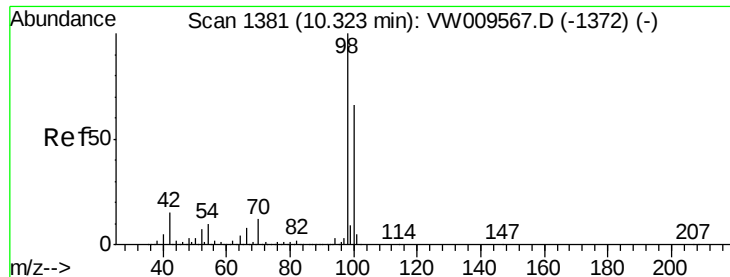
#49
1,4-Dioxane
Concen: 9.612 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 63.3 29.7 44.5#
58 45.6 58.1 87.1#



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: 48.498 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

Instrument :

MSVOA_W

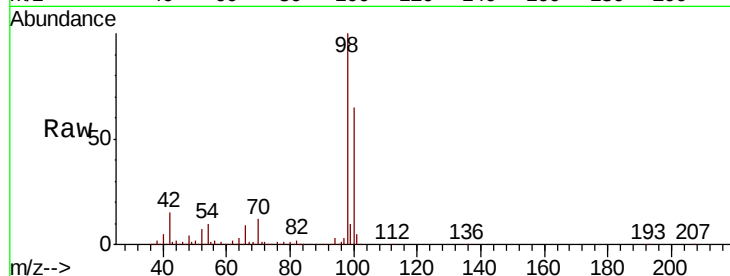
ClientSampled :

Tot Ion: 98 Resp: 457560

Ion Ratio Lower Upper

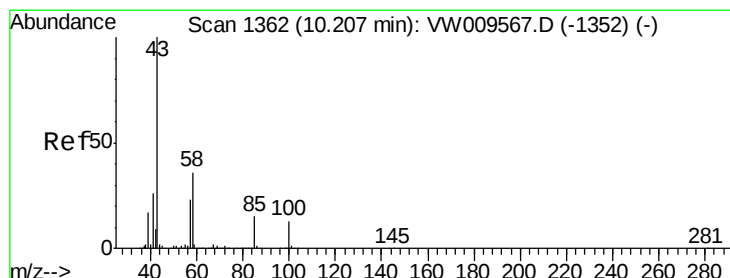
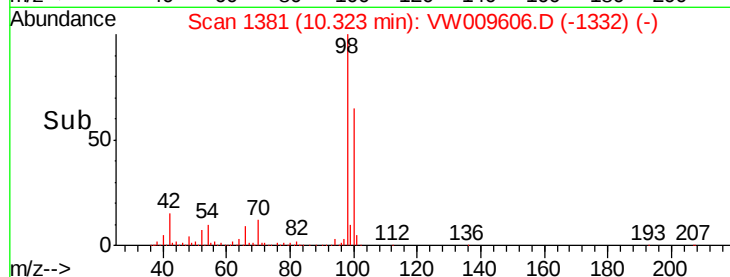
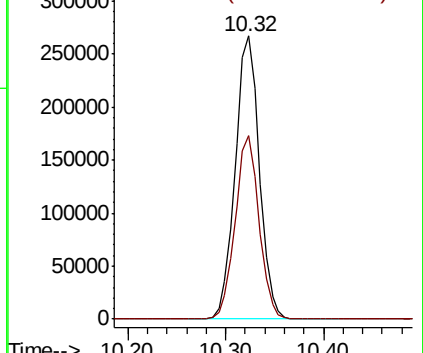
98 100

100 63.8 52.6 79.0



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: 1.814 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009606.D

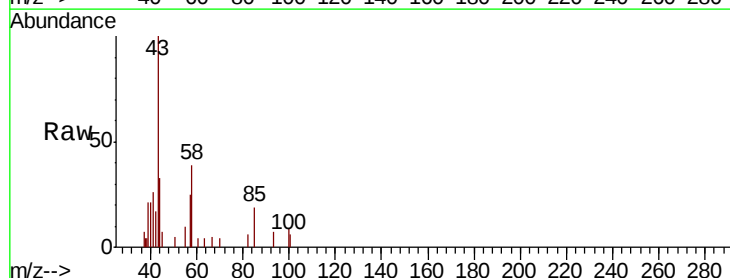
Acq: 31 Mar 2019 12:58

Tgt Ion: 43 Resp: 3798

Ion Ratio Lower Upper

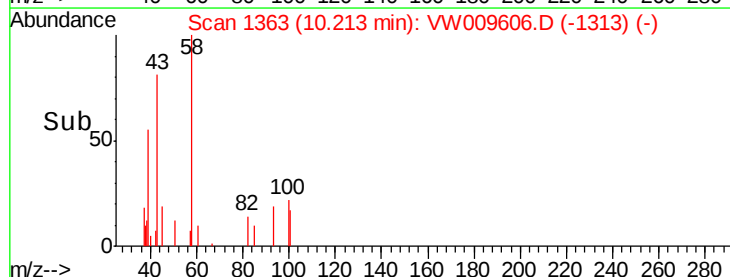
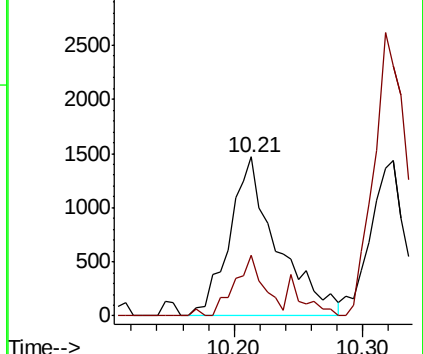
43 100

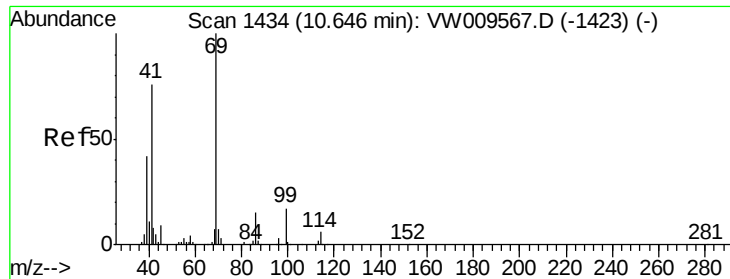
58 23.1 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#56

Ethyl methacrylate

Concen: 4.012 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

Instrument :

MSVOA_W

ClientSampled :

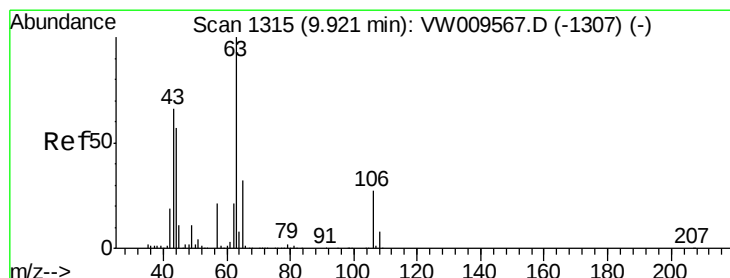
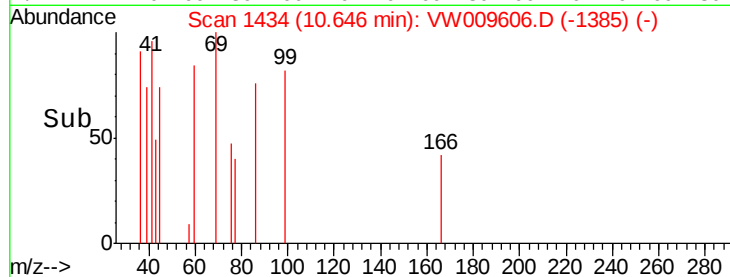
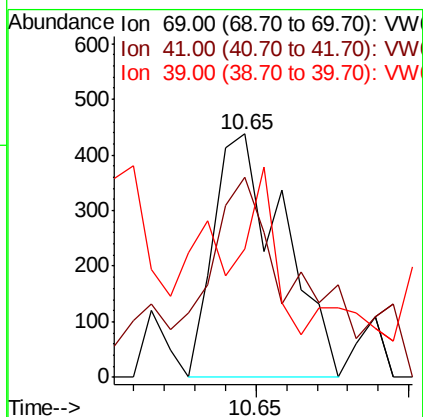
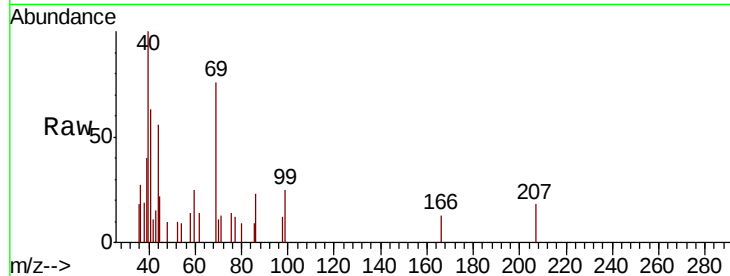
Tot Ion: 69 Resp: 690

Ion Ratio Lower Upper

69 100

41 116.7 59.3 88.9#

39 28.0 36.2 54.2#



#58

2-Chloroethyl Vinyl ether

Concen: 17.641 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009606.D

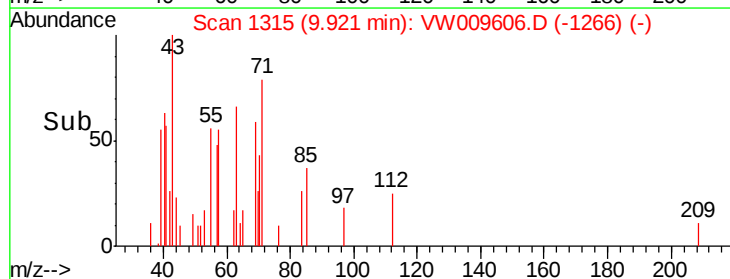
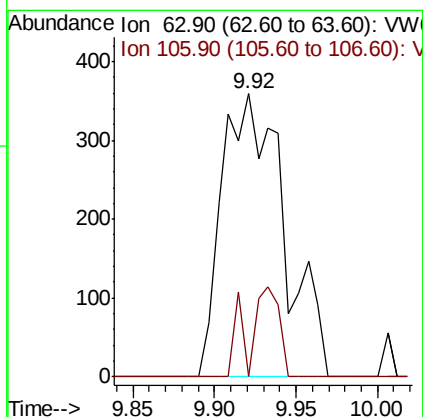
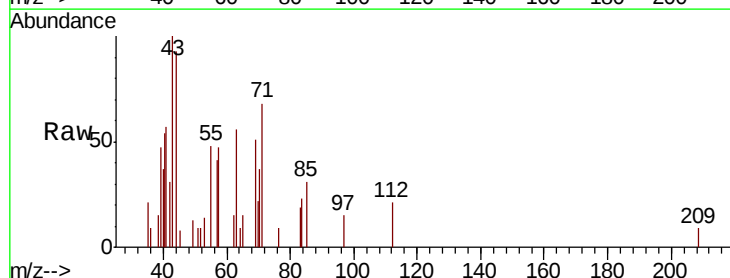
Acq: 31 Mar 2019 12:58

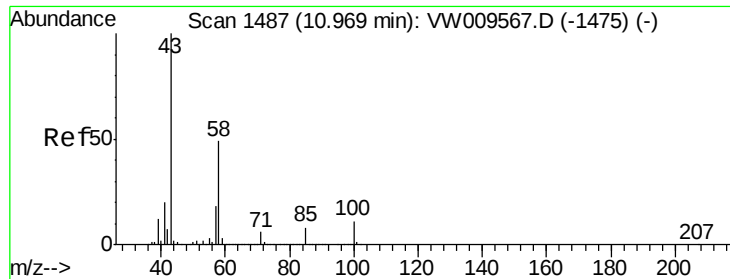
Tgt Ion: 63 Resp: 954

Ion Ratio Lower Upper

63 100

106 15.8 22.9 34.3#





#59

2-Hexanone

Concen: 1.652 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

Instrument :

MSVOA_W

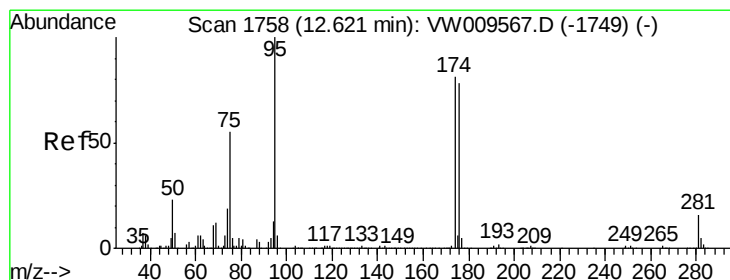
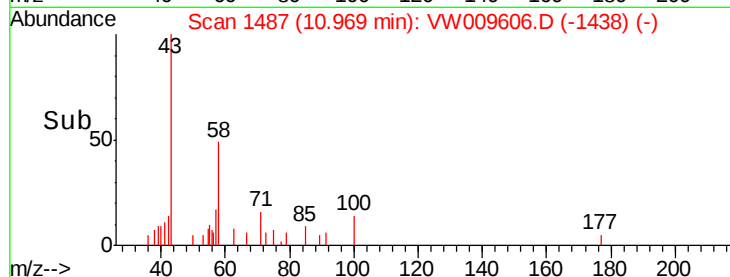
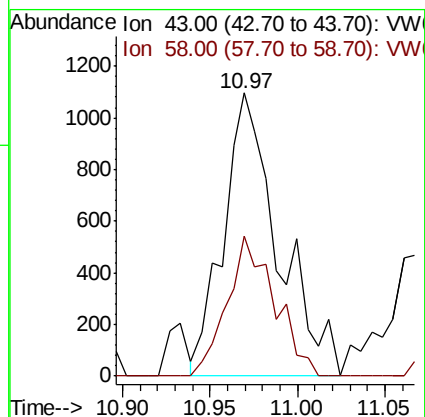
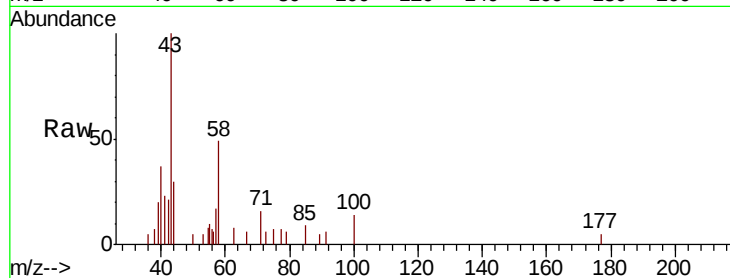
ClientSampleId :

Tot Ion: 43 Resp: 2394

Ion Ratio Lower Upper

43 100

58 42.9 24.2 72.6



#62

4-Bromofluorobenzene

Concen: 44.085 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

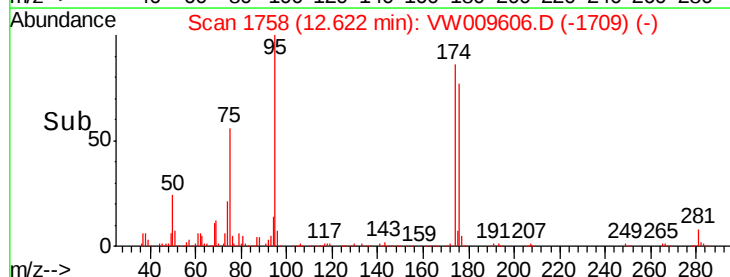
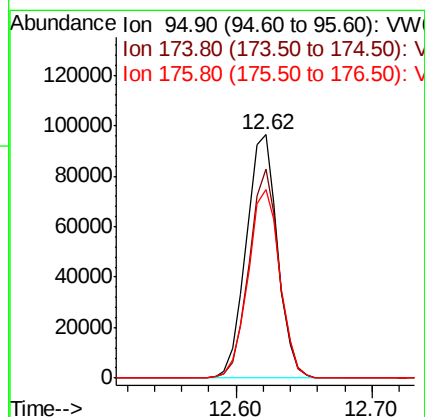
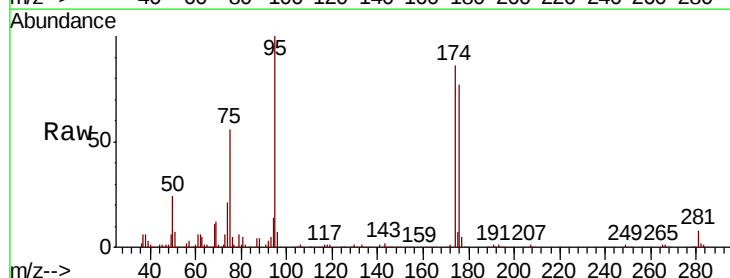
Tgt Ion: 95 Resp: 155163

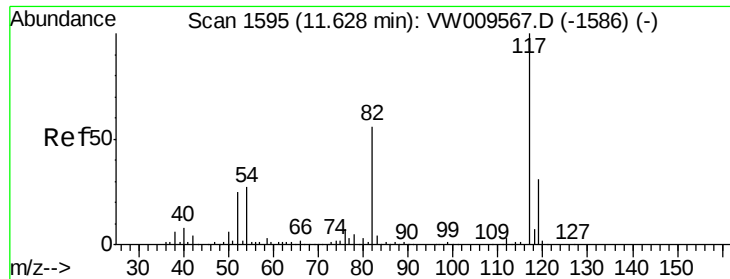
Ion Ratio Lower Upper

95 100

174 82.8 0.0 168.4

176 78.8 0.0 161.6

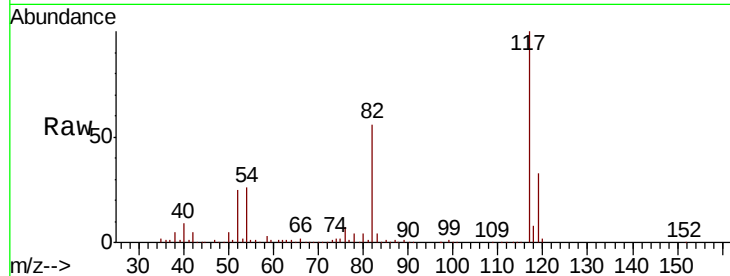




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.6	65.4
119	32.6	26.0	39.0

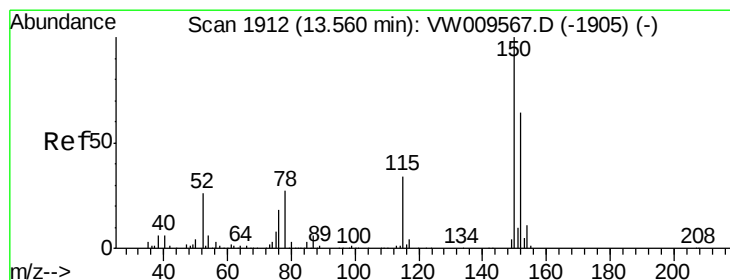
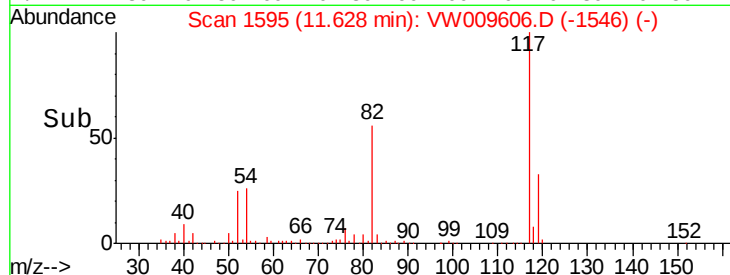
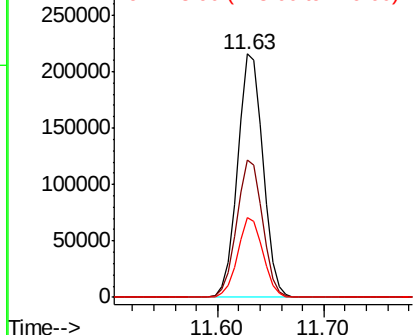


Abundance

Ion 116.90 (116.60 to 117.60): V

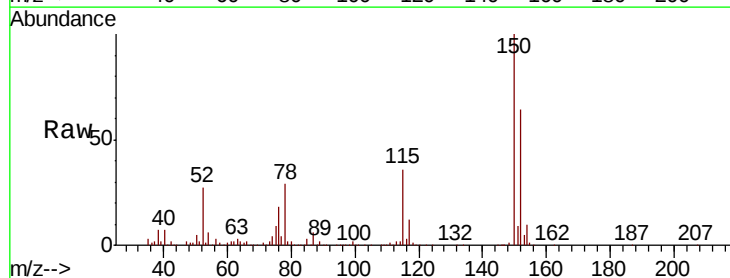
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.6	88.8
150	157.0	0.0	349.2

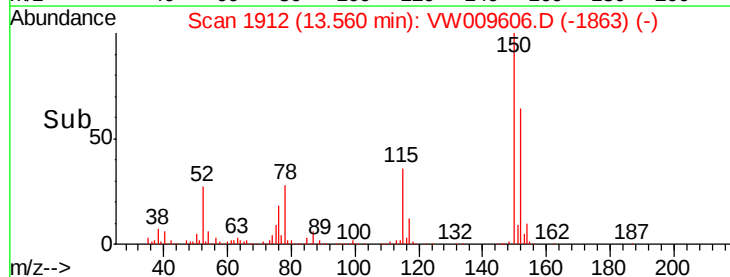
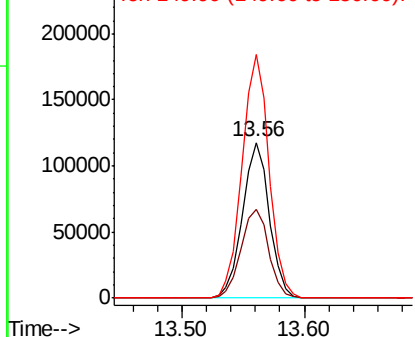


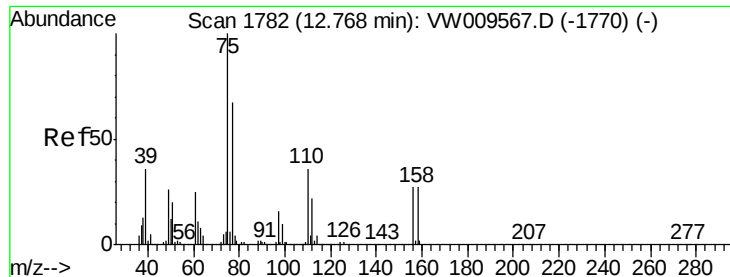
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 52.922 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

Instrument :

MSVOA_W

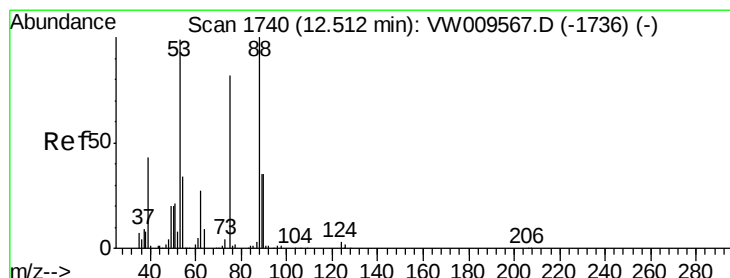
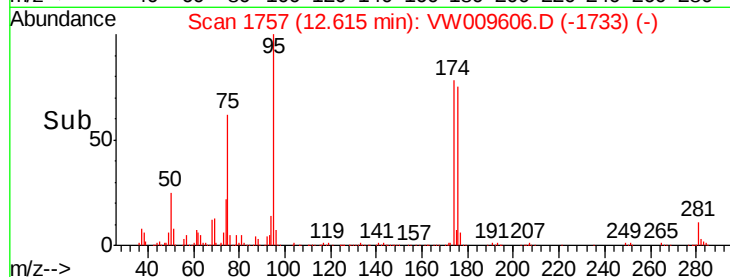
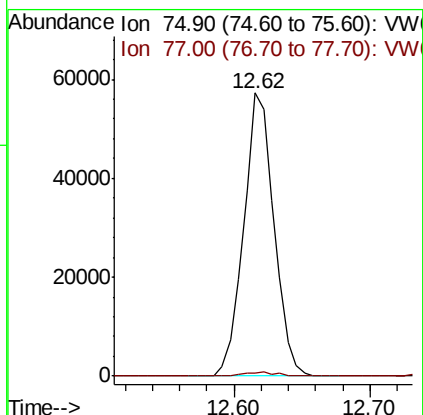
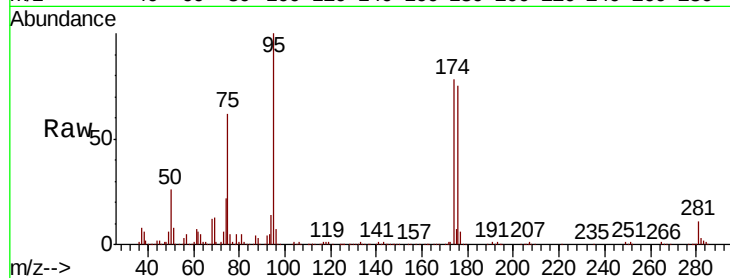
ClientSampleId :

Tot Ion: 75 Resp: 89015

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.069 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009606.D

Acq: 31 Mar 2019 12:58

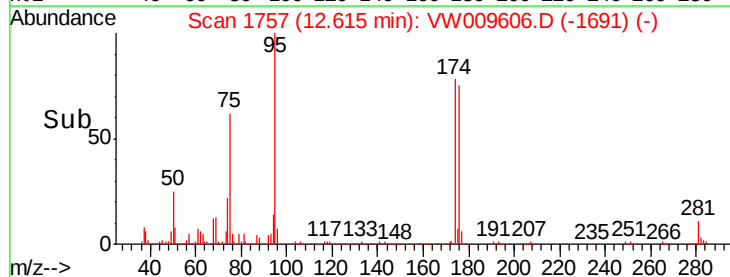
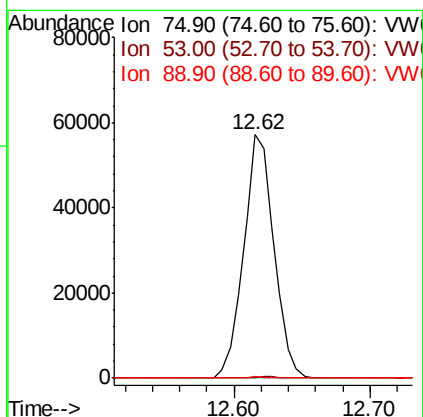
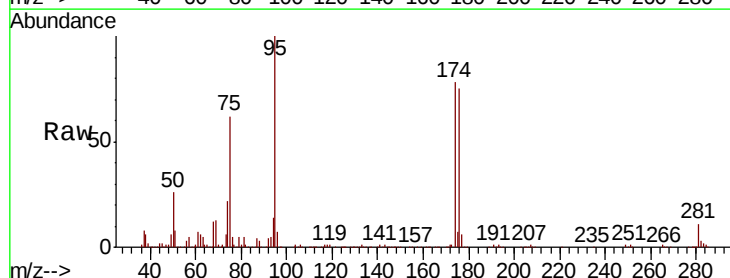
Tgt Ion: 75 Resp: 89015

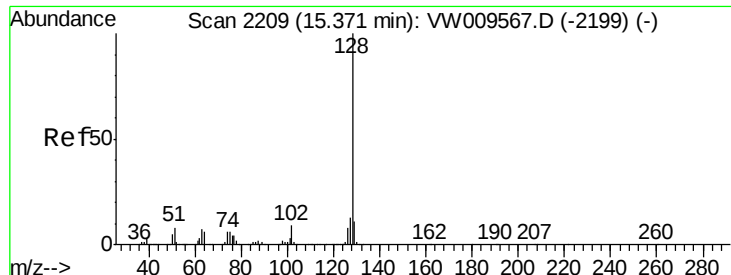
Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.2 36.4 54.6#

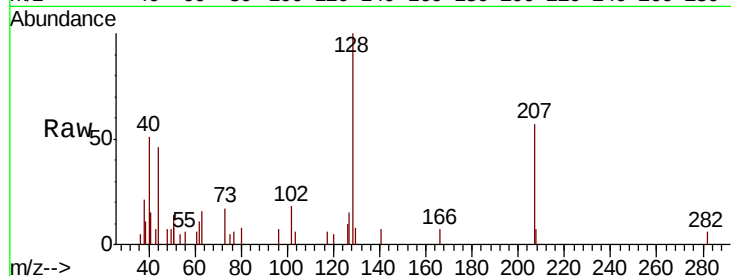




#95
Naphthalene
Concen: 3.025 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009606.D
Acq: 31 Mar 2019 12:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.8	16.2
129	5.5	8.7	13.1



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

