

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013063.D
 Acq On : 17 Sep 2019 02:21
 Operator : SY/VA
 Sample : K4897-01
 Misc : 4.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-3425

Quant Time: Sep 17 07:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	515720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	151911	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	171267	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
35) Dibromofluoromethane	7.88	113	147301	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	10.32	98	590848	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.62	95	173029	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	

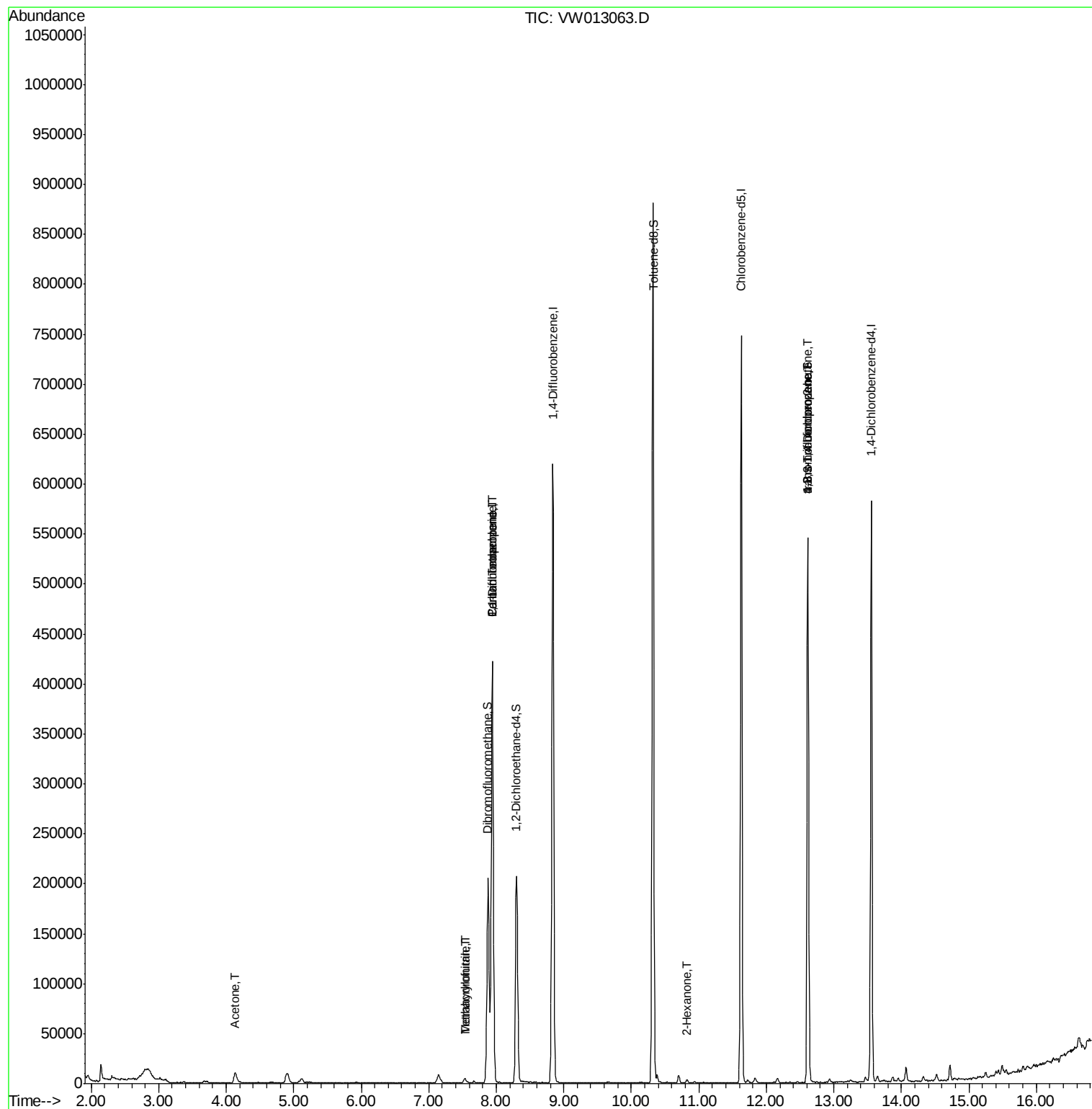
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	485	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	125	Below Cal	#	41
13) Acrolein	3.89	56	53	Below Cal	#	15
16) Acetone	4.14	43	20872	12.269	ug/l	98
20) Methylene Chloride	4.90	84	7822	Below Cal		98
26) 2,2-Dichloropropane	7.16	77	282	Below Cal	#	55
29) Tetrahydrofuran	7.54	42	4167	7.378	ug/l	94
31) Cyclohexane	7.94	56	6599	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	24366	5.913	ug/l	52
38) Carbon Tetrachloride	7.95	117	31007	7.342	ug/l	13
41) Methacrylonitrile	7.54	41	2581	1.792	ug/l	54
59) 2-Hexanone	10.82	43	2368	1.568	ug/l	85
76) 1,2,3-Trichloropropane	12.62	75	89707	67.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89707	152.935	ug/l	7

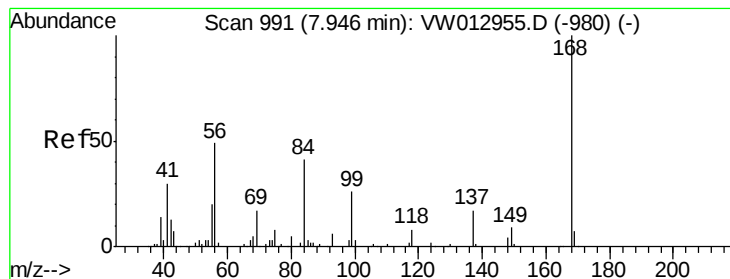
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013063.D

Acq: 17 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

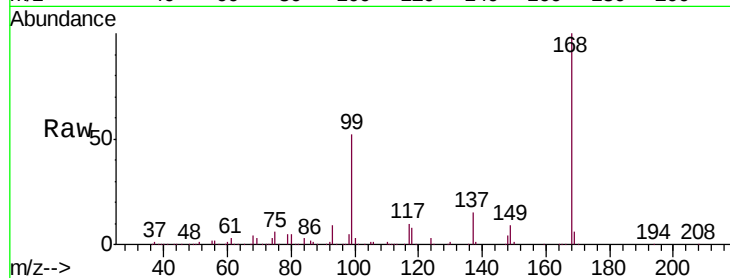
RT-3425

Tgt Ion:168 Resp: 337516

Ion Ratio Lower Upper

168 100

99 52.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

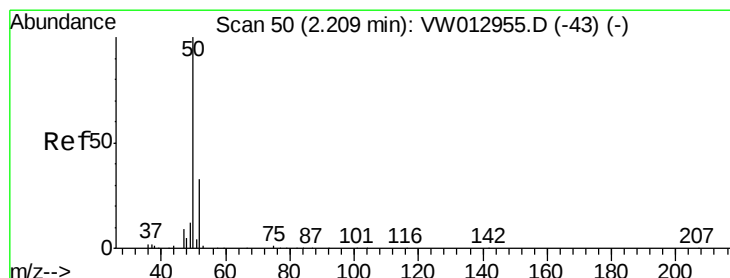
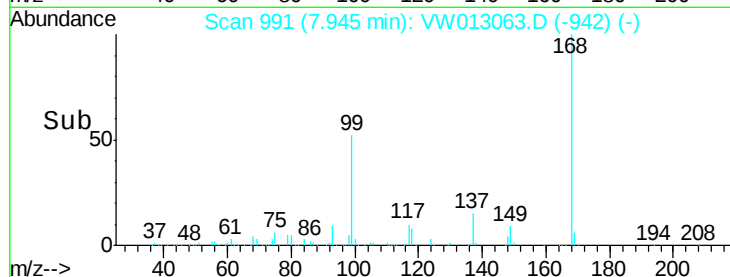
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VW013063.D

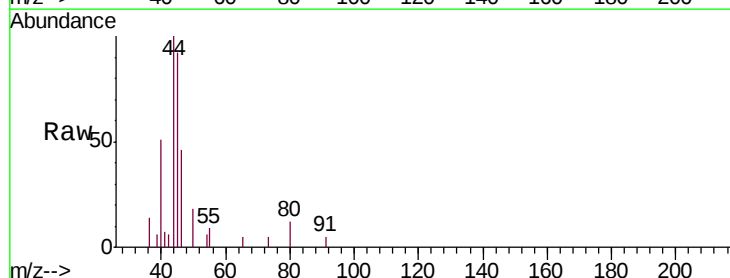
Acq: 17 Sep 2019 02:21

Tgt Ion: 50 Resp: 485

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

250

200

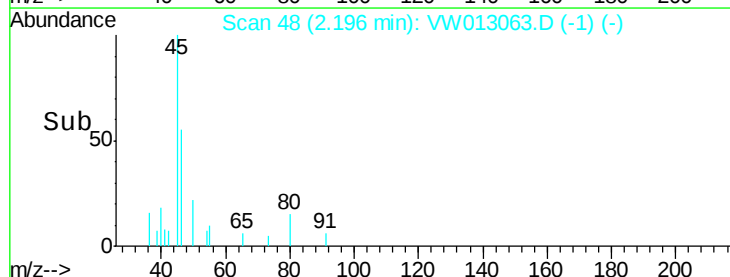
150

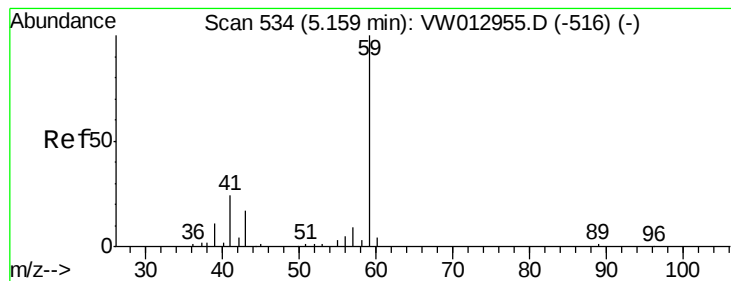
100

50

0

Time--> 2.15 2.20 2.25 2.30



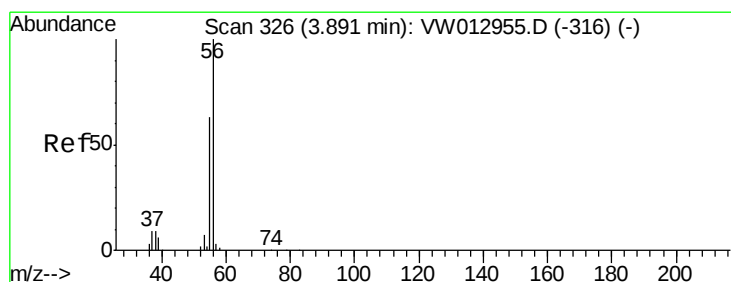
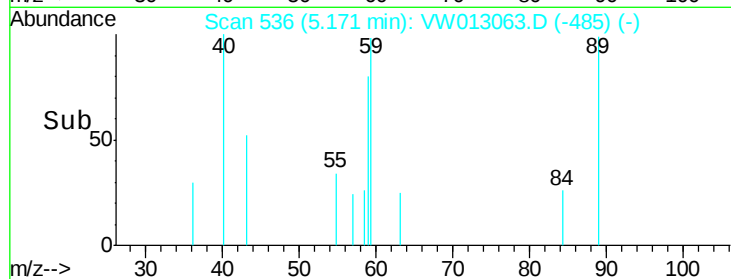
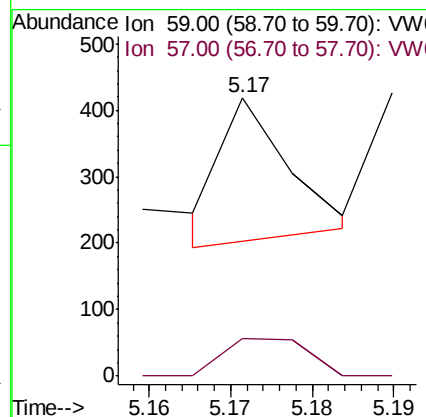
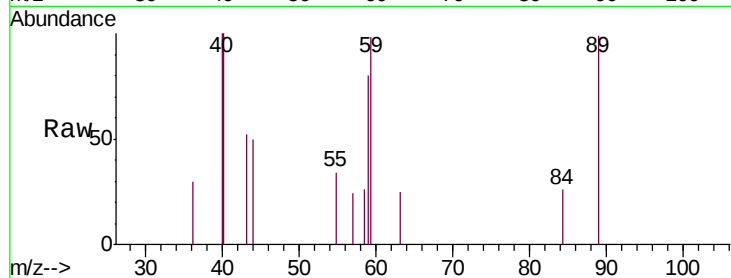


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Instrument :
MSVOA_W
ClientSampleId :
RT-3425

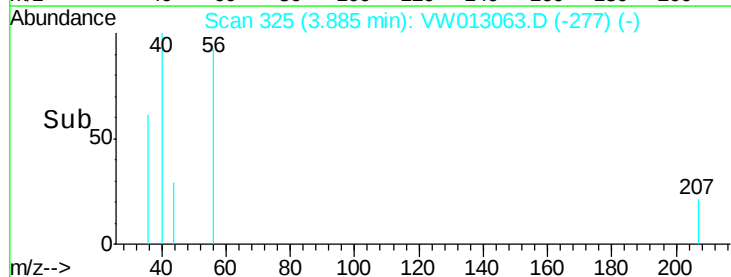
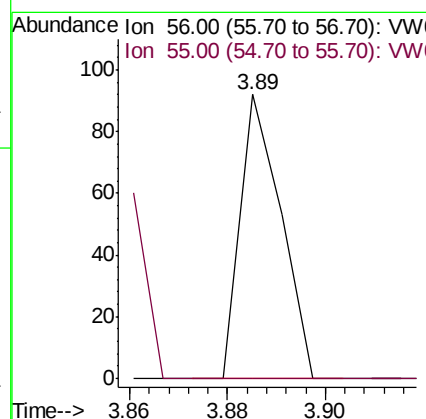
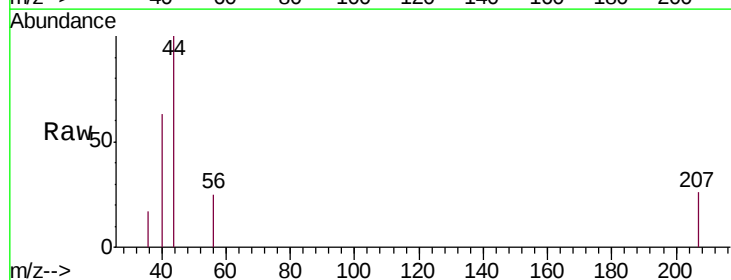
Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 32.8 8.5 12.7#

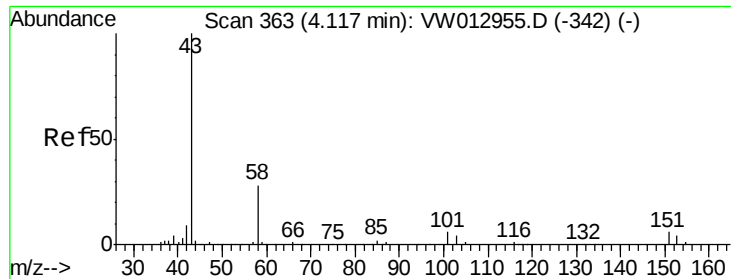


#13

Acrolein
Concen: Below Cal
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

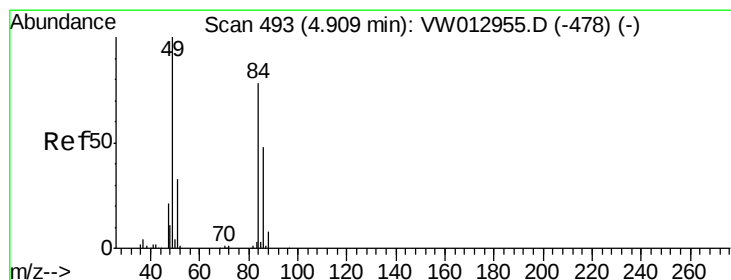
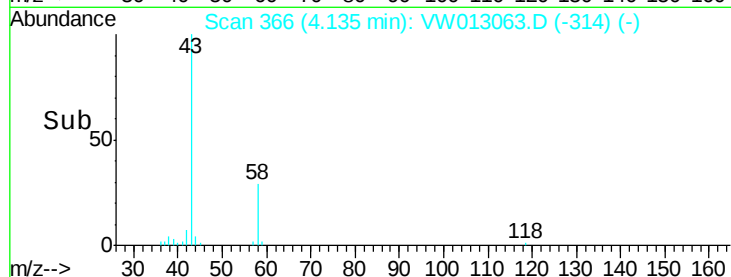
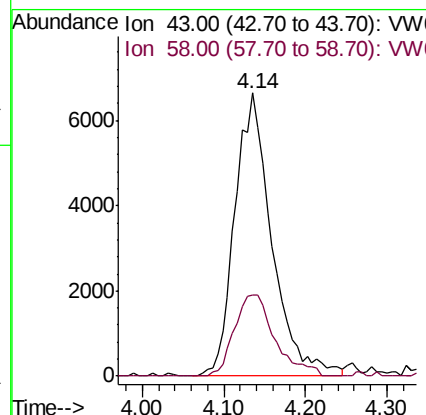
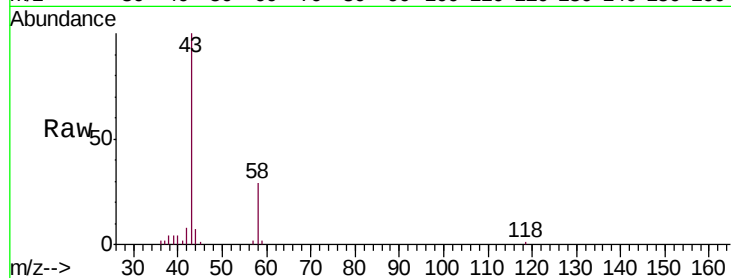




#16
Acetone
Concen: 12.269 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

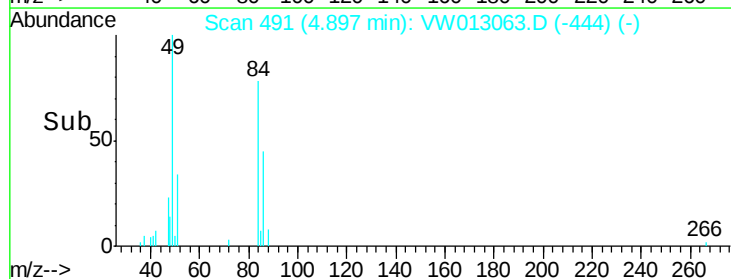
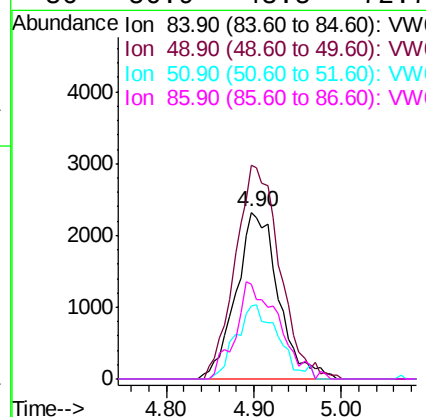
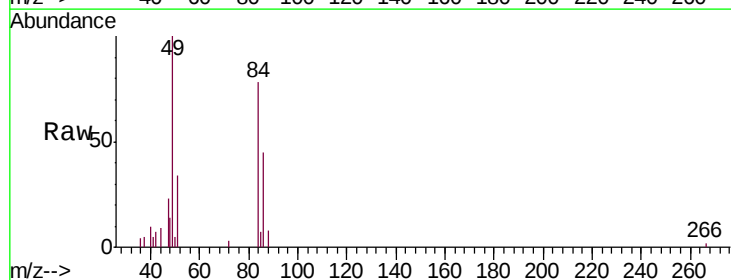
Instrument :
MSVOA_W
ClientSampleId :
RT-3425

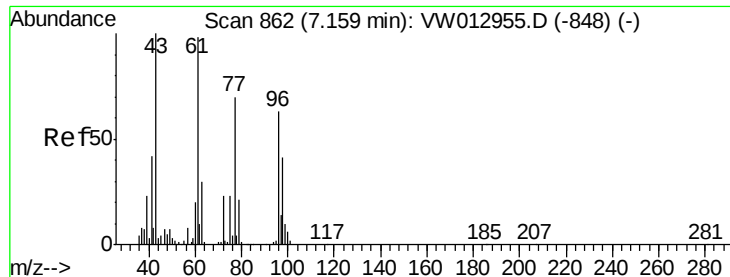
Tgt Ion: 43 Resp: 20872
Ion Ratio Lower Upper
43 100
58 28.7 22.3 33.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Tgt Ion: 84 Resp: 7822
Ion Ratio Lower Upper
84 100
49 127.8 102.0 153.0
51 44.0 34.0 51.0
86 56.9 48.5 72.7

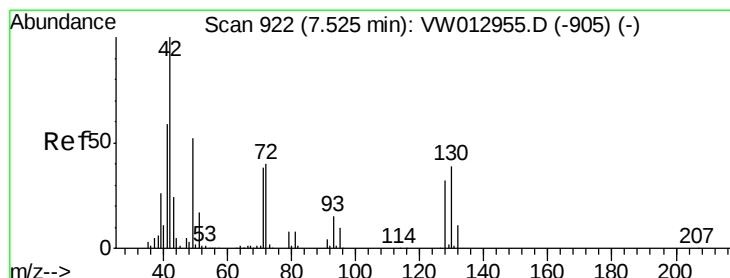
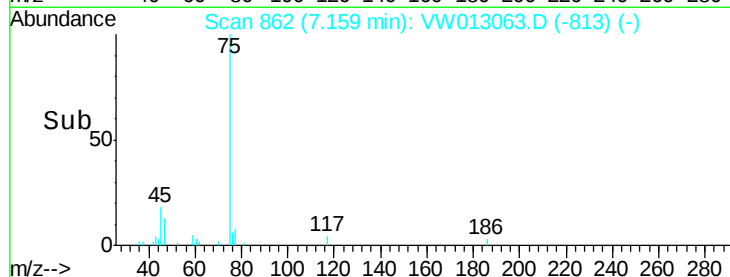
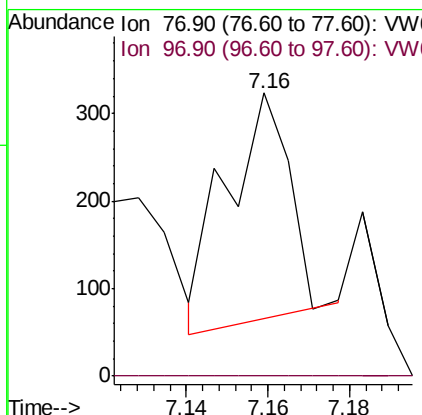
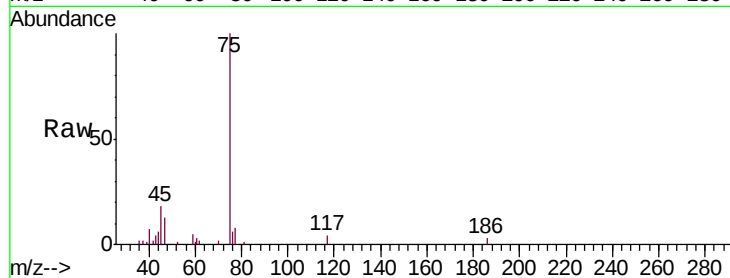




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW013063.D
 Acq: 17 Sep 2019 02:21

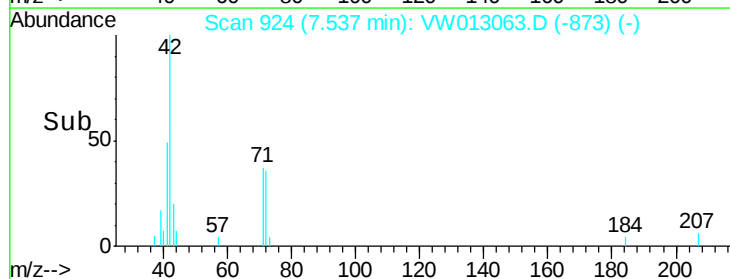
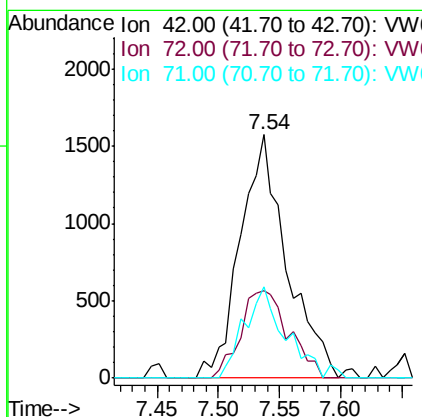
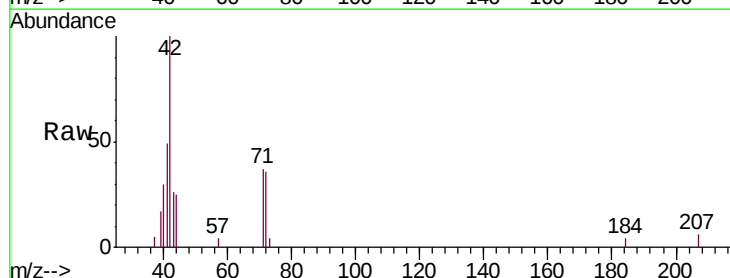
Instrument :
 MSVOA_W
 ClientSampleId :
 RT-3425

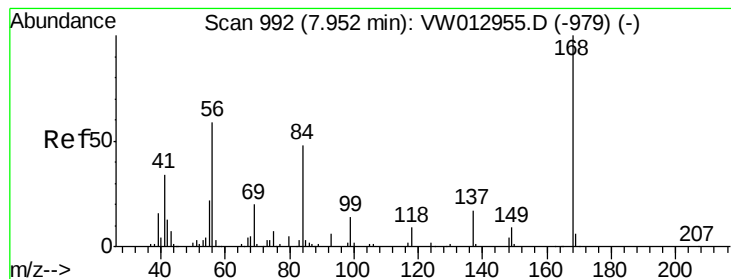
Tgt Ion: 77 Resp: 282
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#



#29
 Tetrahydrofuran
 Concen: 7.378 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW013063.D
 Acq: 17 Sep 2019 02:21

Tgt Ion: 42 Resp: 4167
 Ion Ratio Lower Upper
 42 100
 72 37.1 31.4 47.0
 71 32.6 29.8 44.8





#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013063.D

Acq: 17 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampleId :

RT-3425

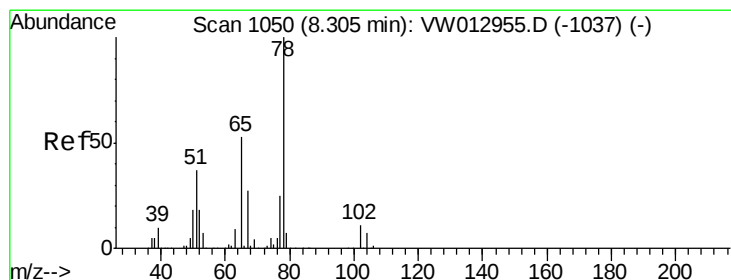
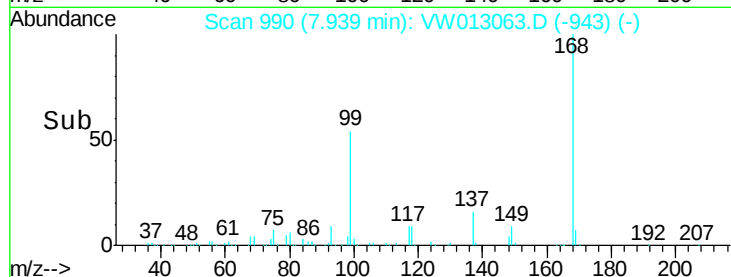
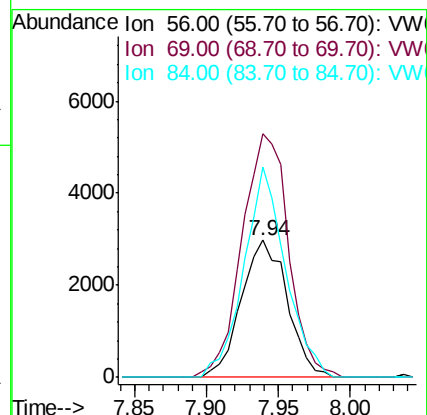
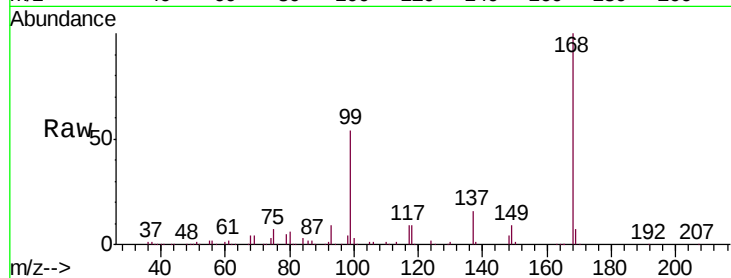
Tgt Ion: 56 Resp: 6599

Ion Ratio Lower Upper

56 100

69 177.5 27.0 40.6#

84 153.8 66.2 99.2#



#33

1,2-Dichloroethane-d4

Concen: 54.943 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013063.D

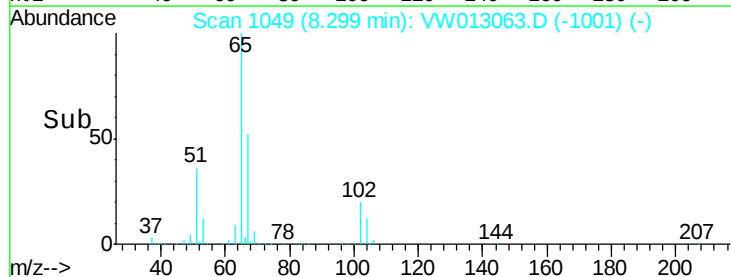
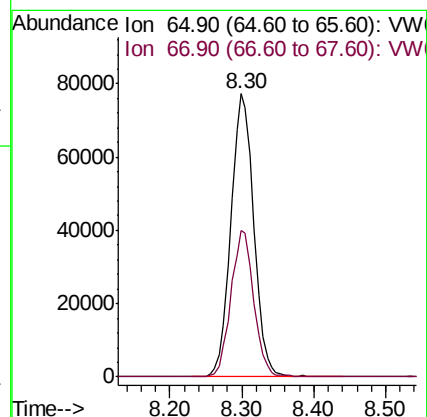
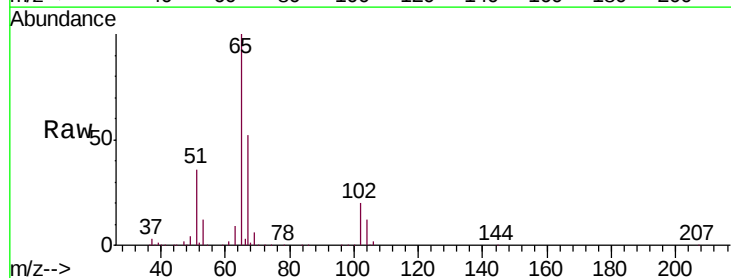
Acq: 17 Sep 2019 02:21

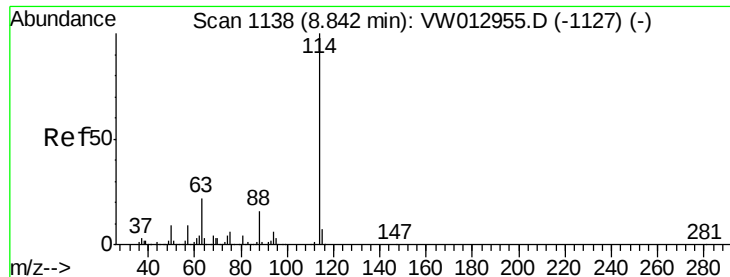
Tgt Ion: 65 Resp: 171267

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.2

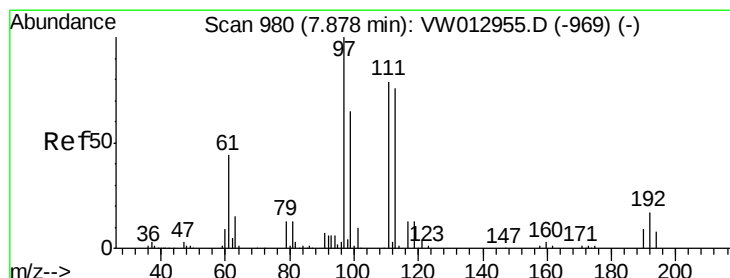
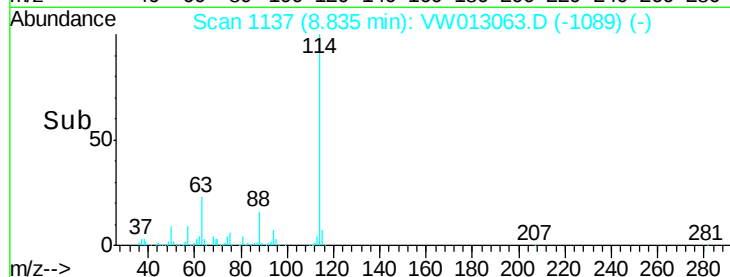
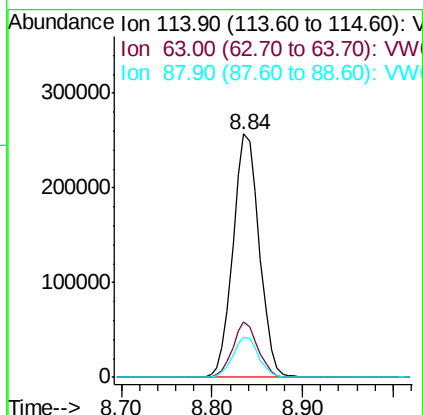
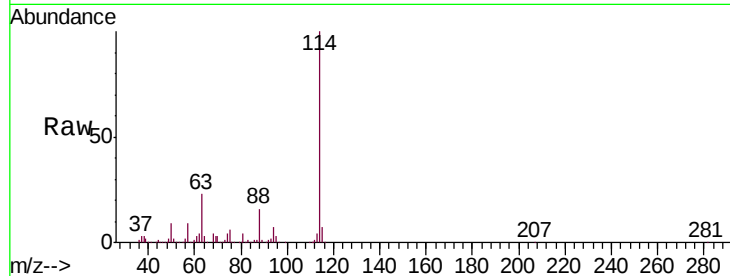




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW013063.D
 Acq: 17 Sep 2019 02:21

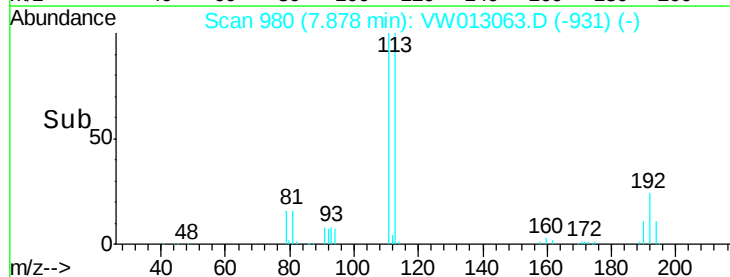
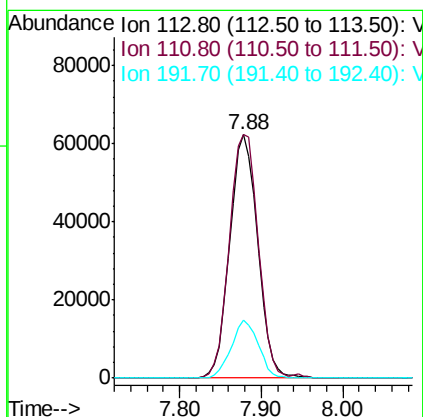
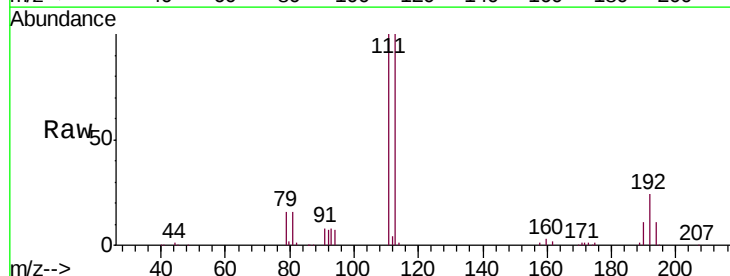
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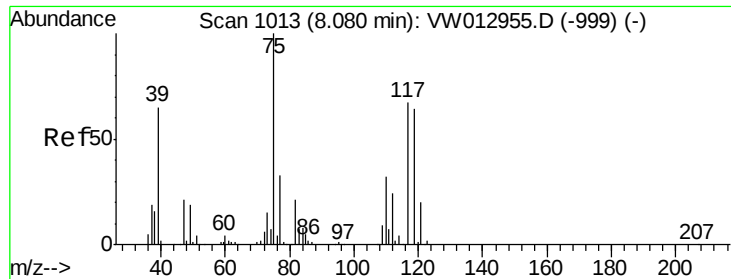
Tgt Ion:114 Resp: 515720
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 16.2 0.0 31.6



#35
 Dibromofluoromethane
 Concen: 52.638 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013063.D
 Acq: 17 Sep 2019 02:21

Tgt Ion:113 Resp: 147301
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.8 124.2
 192 23.1 17.8 26.8

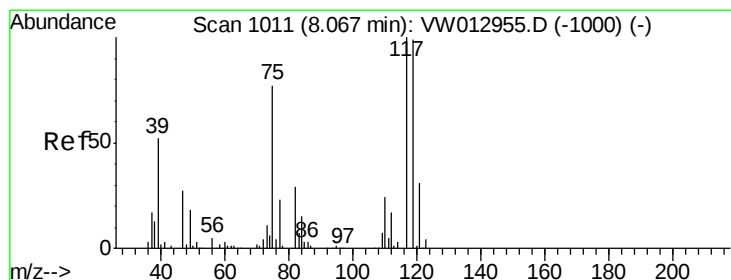
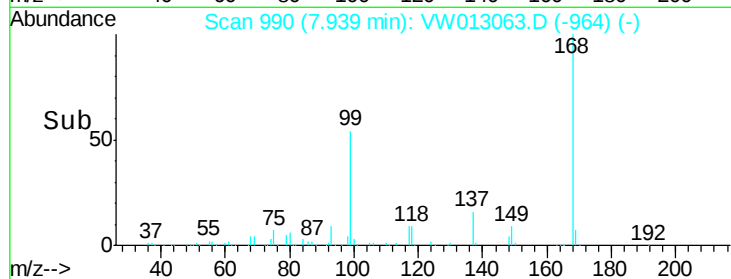
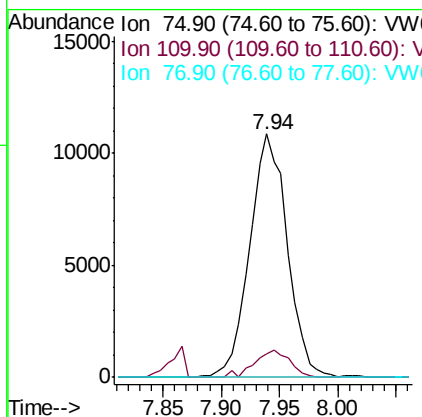
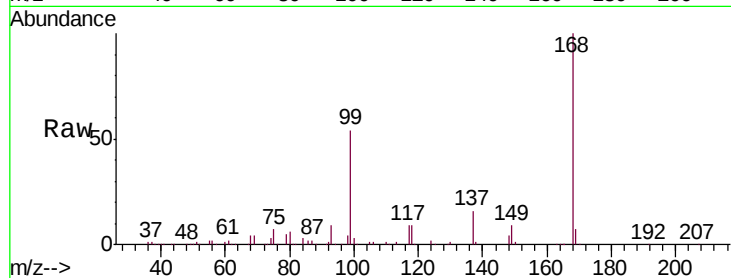




#36
 1,1-Dichloropropene
 Concen: 5.913 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013063.D
 Acq: 17 Sep 2019 02:21

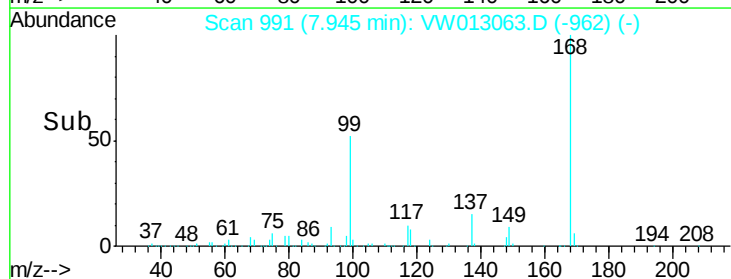
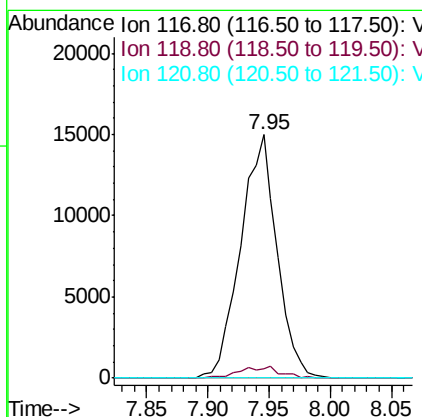
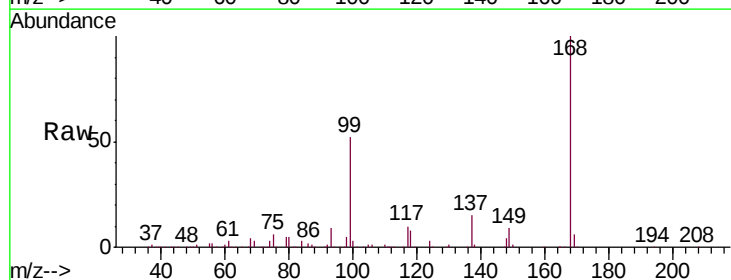
Instrument :
 MSVOA_W
 ClientSampleID :
 RT-3425

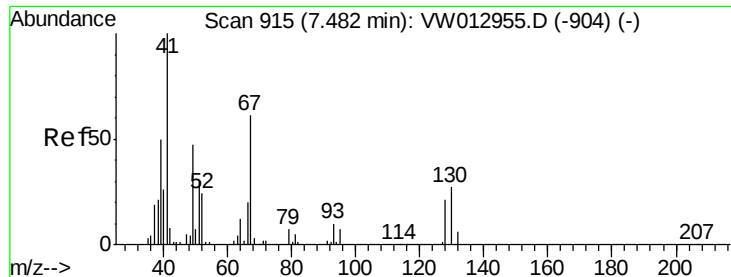
Tgt Ion: 75 Resp: 24366
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.4 49.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 7.342 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013063.D
 Acq: 17 Sep 2019 02:21

Tgt Ion: 117 Resp: 31007
 Ion Ratio Lower Upper
 117 100
 119 3.7 79.4 119.0#
 121 0.0 24.6 36.8#

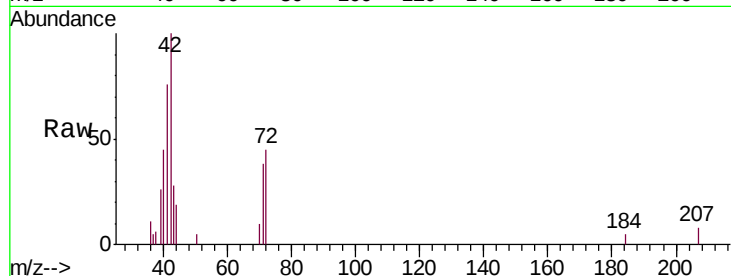




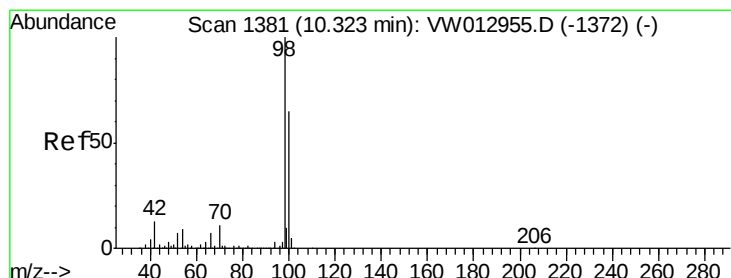
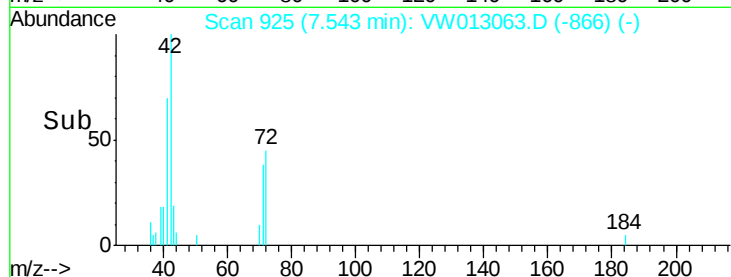
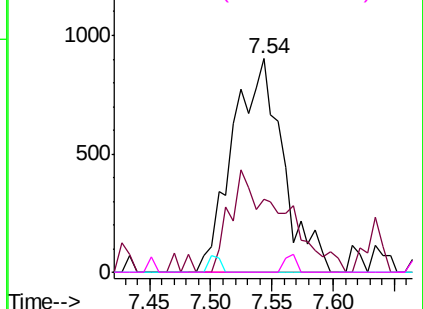
#41
Methacrylonitrile
Concen: 1.792 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Instrument :
MSVOA_W
ClientSampleId :
RT-3425

Tgt Ion: 41 Resp: 2581
Ion Ratio Lower Upper
41 100
39 51.0 48.2 72.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#

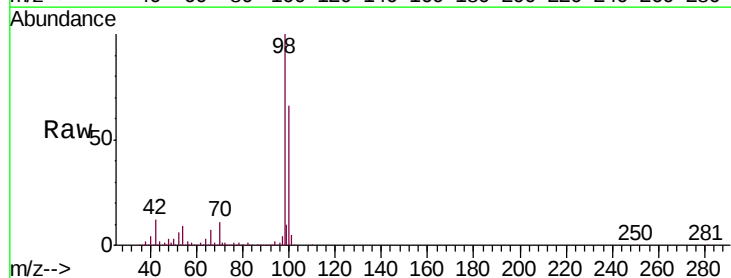


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

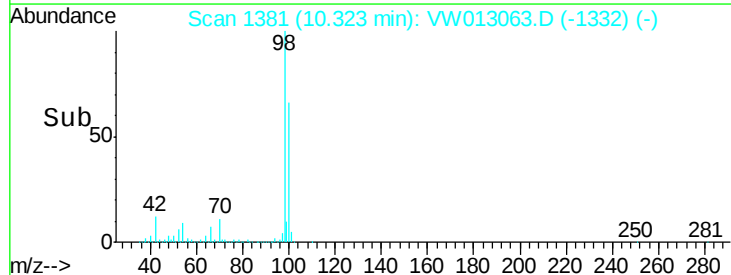
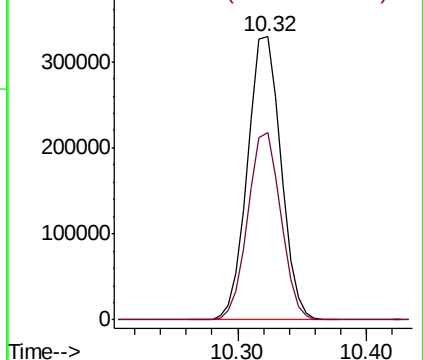


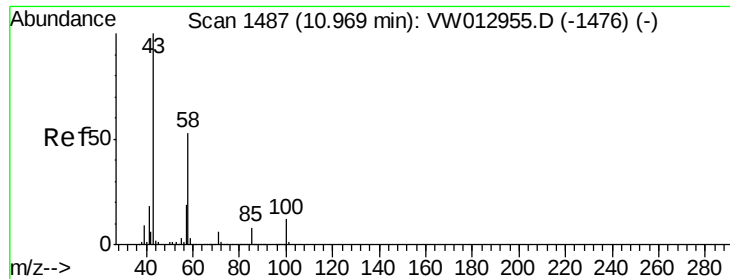
#50
Toluene-d8
Concen: 53.957 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Tgt Ion: 98 Resp: 590848
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



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

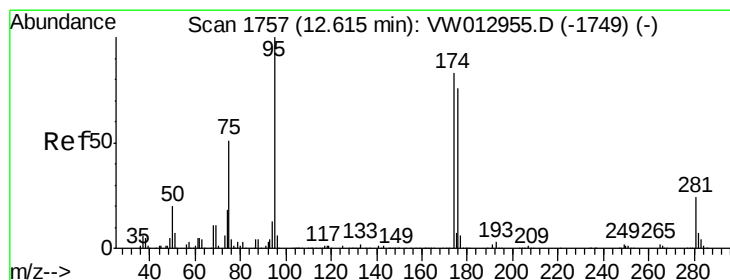
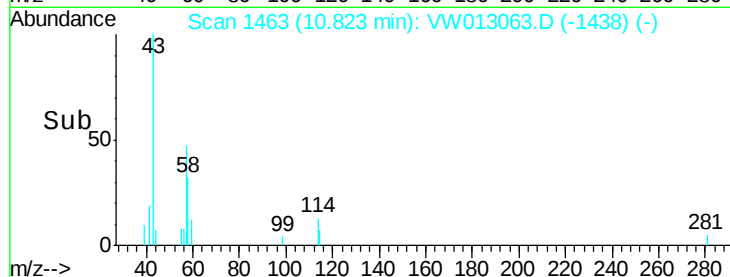
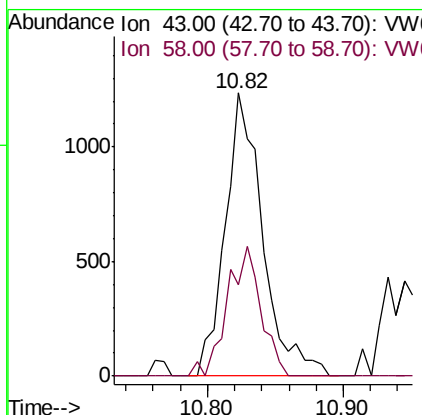
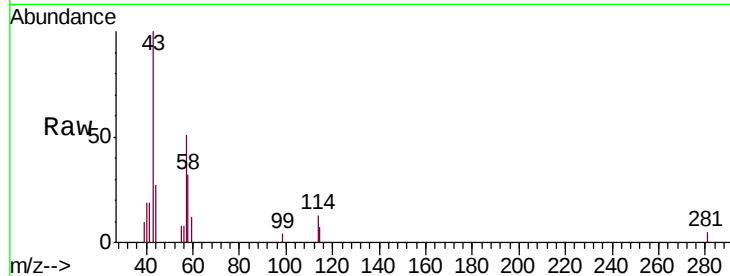




#59
2-Hexanone
Concen: 1.568 ug/l
RT: 10.82 min Scan# 1463
Delta R.T. -0.15 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

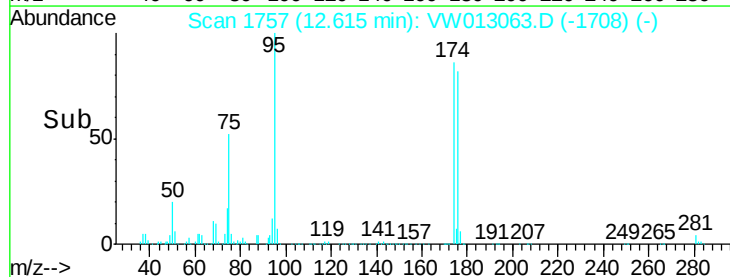
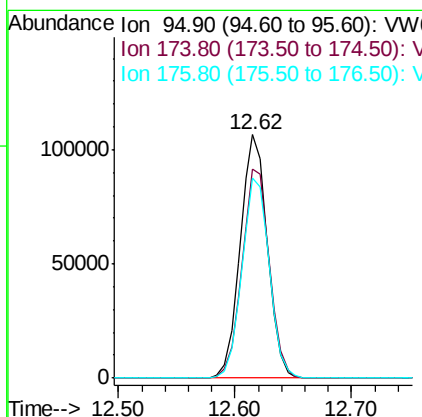
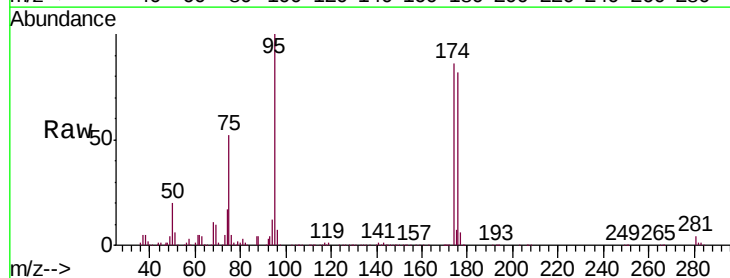
Instrument :
MSVOA_W
ClientSampled :
RT-3425

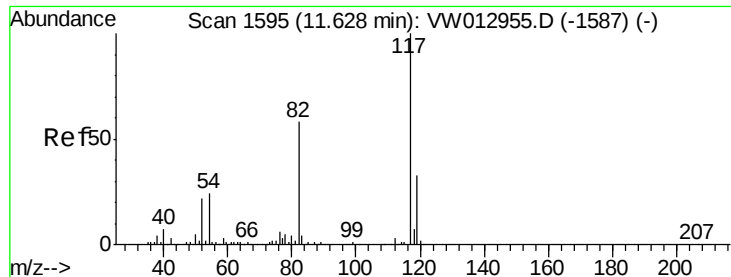
Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
58 41.1 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 43.944 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Tgt Ion: 95 Resp: 173029
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.4
176 83.0 0.0 164.6

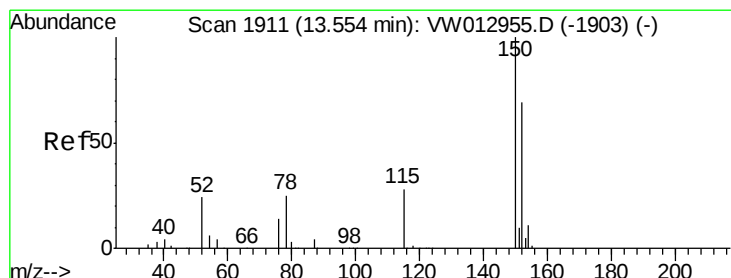
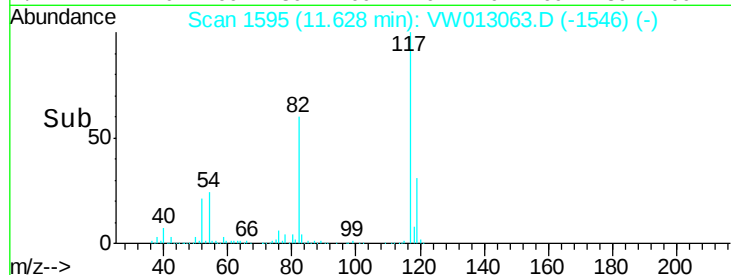
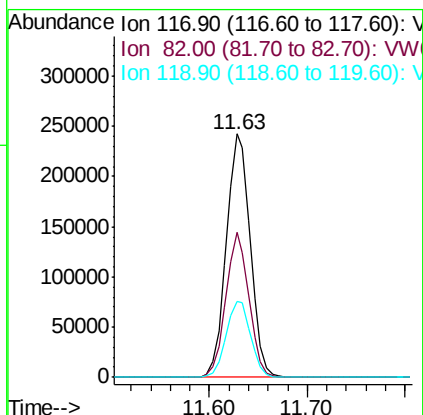
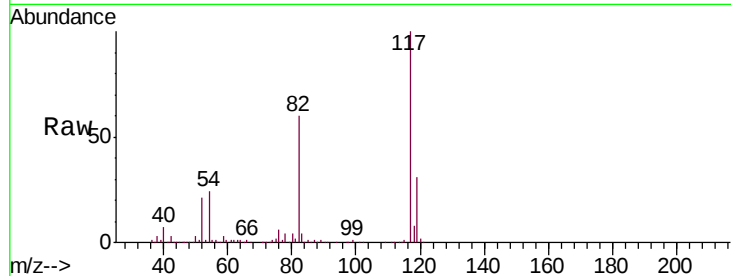




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

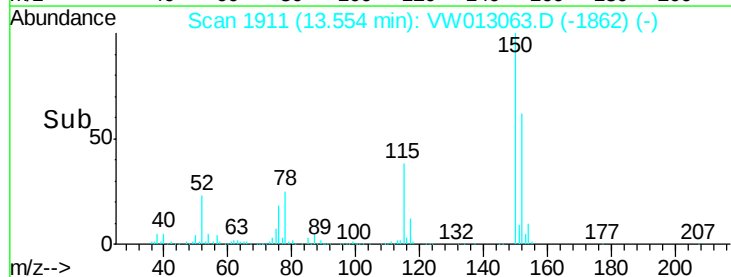
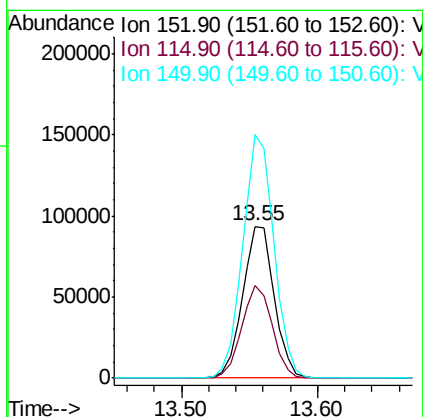
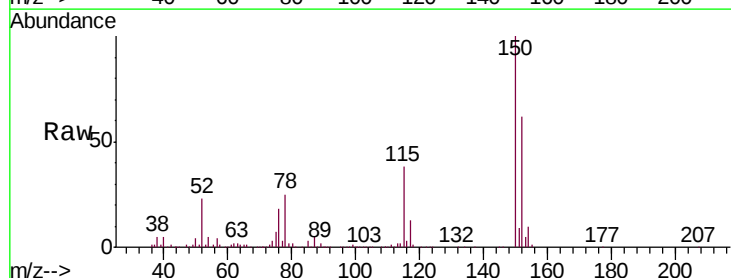
Instrument :
MSVOA_W
ClientSampleId :
RT-3425

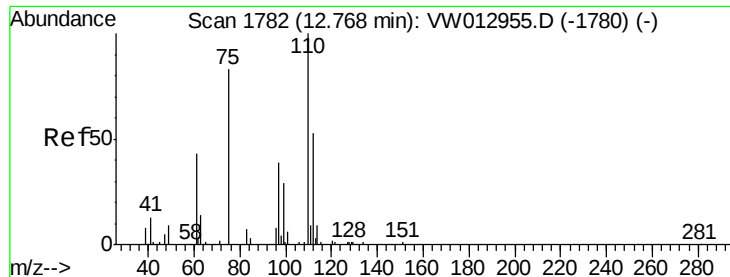
Tgt Ion:117 Resp: 408818
Ion Ratio Lower Upper
117 100
82 59.7 46.3 69.5
119 31.1 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013063.D
Acq: 17 Sep 2019 02:21

Tgt Ion:152 Resp: 151911
Ion Ratio Lower Upper
152 100
115 59.2 28.8 86.4
150 158.3 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 67.417 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013063.D

Acq: 17 Sep 2019 02:21

Instrument :

MSVOA_W

ClientSampled :

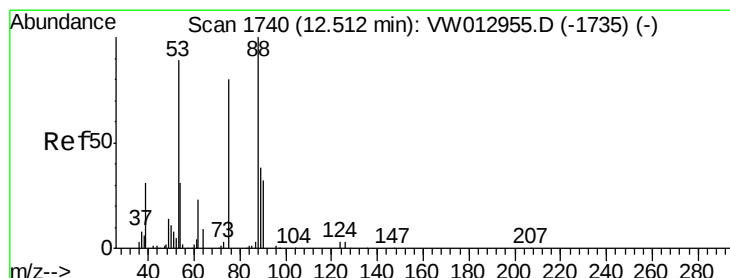
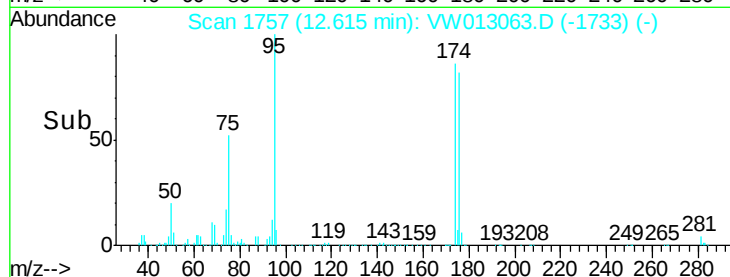
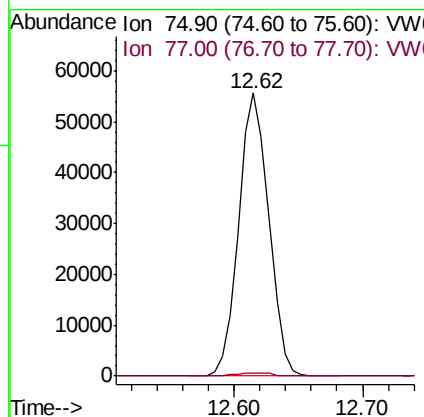
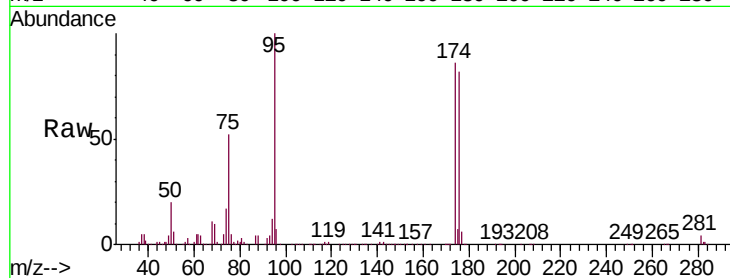
RT-3425

Tgt Ion: 75 Resp: 89707

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.935 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013063.D

Acq: 17 Sep 2019 02:21

Tgt Ion: 75 Resp: 89707

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.0 37.2 55.8#

