

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013032.D
 Acq On : 16 Sep 2019 11:04
 Operator : SY/VA
 Sample : VW0916SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 12:15:52 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	289907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	158097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	136598	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
35) Dibromofluoromethane	7.88	113	123812	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.32	98	502898	55.08	ug/l	0.00
Spiked Amount			Recovery	=	110.16%	
62) 4-Bromofluorobenzene	12.62	95	163785	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

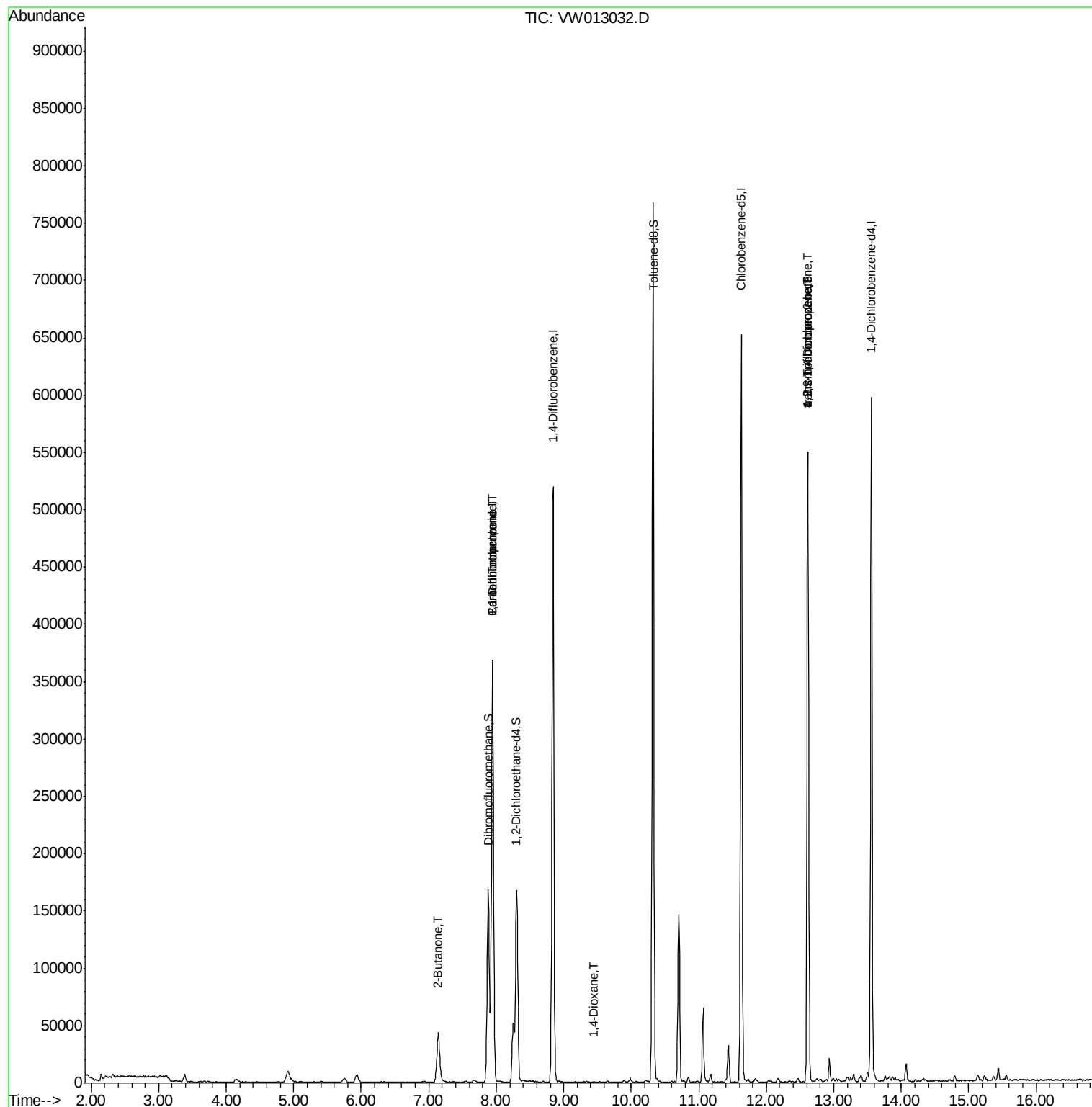
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	889	Below Cal		86
3) Chloromethane	2.20	50	555	Below Cal		93
11) Tert butyl alcohol	5.14	59	116	Below Cal	#	72
13) Acrolein	3.89	56	30	Below Cal	#	1
16) Acetone	4.14	43	4837	Below Cal		93
20) Methylene Chloride	4.91	84	6749	Below Cal		87
25) 2-Butanone	7.14	43	2984	3.505	ug/l	96
26) 2,2-Dichloropropane	7.13	77	1683	Below Cal	#	55
31) Cyclohexane	7.94	56	5978	Below Cal	#	15
36) 1,1-Dichloropropene	7.94	75	21283	6.194	ug/l	51
38) Carbon Tetrachloride	7.95	117	26712	7.586	ug/l	14
49) 1,4-Dioxane	9.45	88	41	2.004	ug/l	20
76) 1,2,3-Trichloropropane	12.62	75	83709	60.448	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83709	137.126	ug/l	7

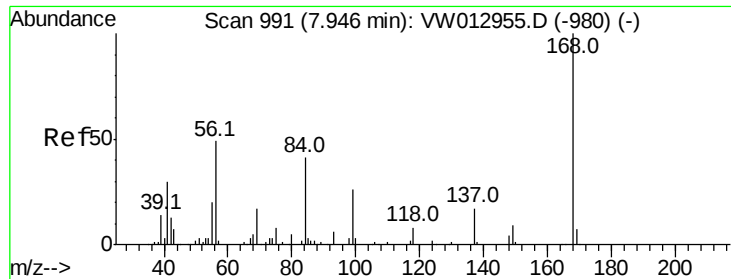
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091619\
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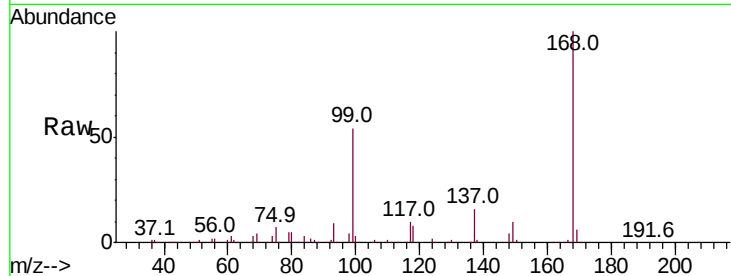


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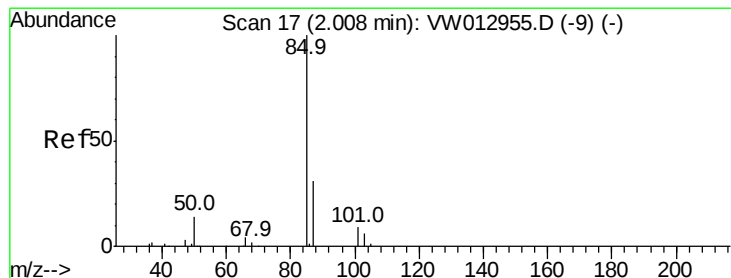
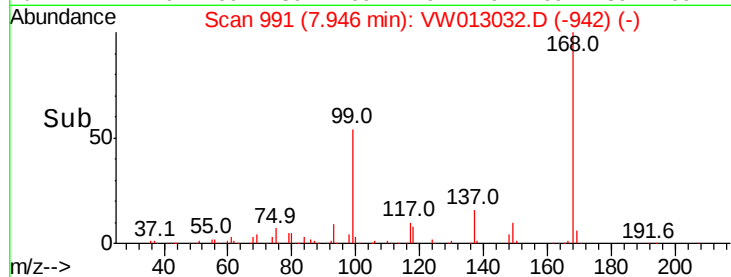
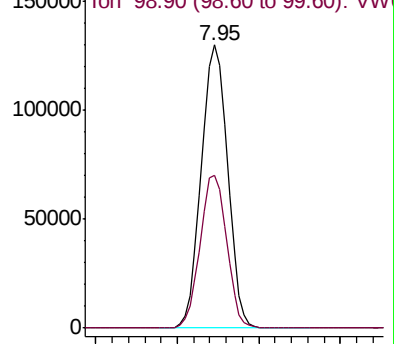
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW013032.D
 Acq: 16 Sep 2019 11:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:168 Resp: 289907
 Ion Ratio Lower Upper
 168 100
 99 54.0 46.2 69.2



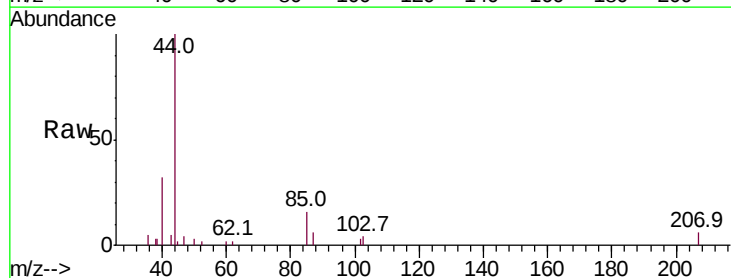
Abundance Ion 167.90 (167.60 to 168.60): V



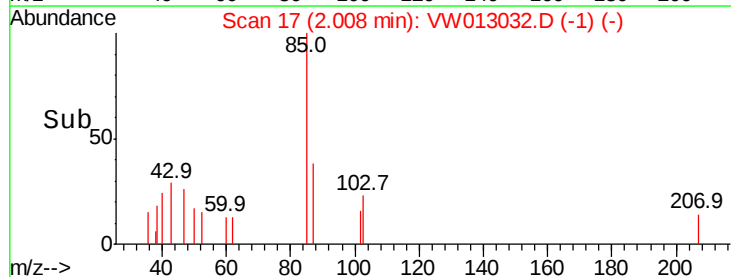
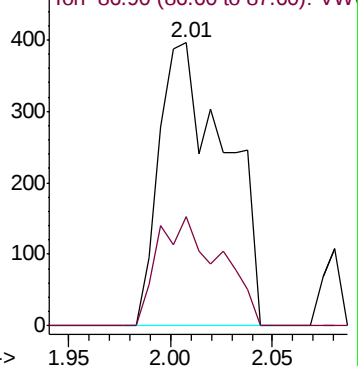
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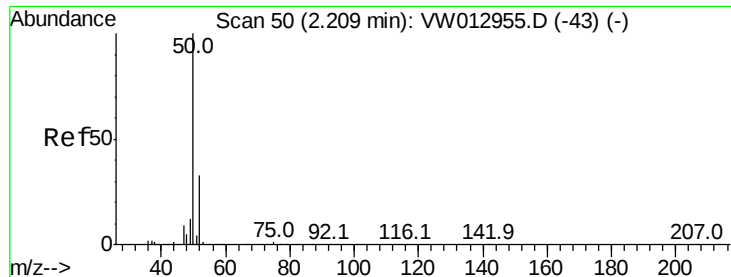
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 2.01 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: VW013032.D
 Acq: 16 Sep 2019 11:04

Tgt Ion: 85 Resp: 889
 Ion Ratio Lower Upper
 85 100
 87 38.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

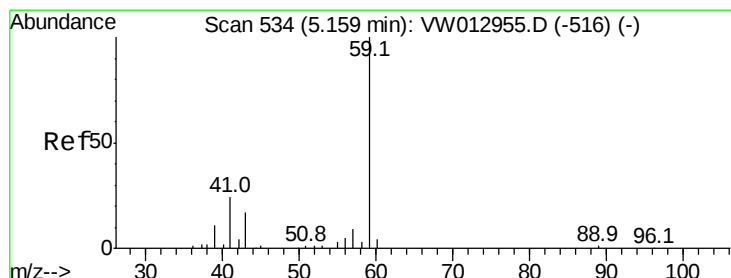
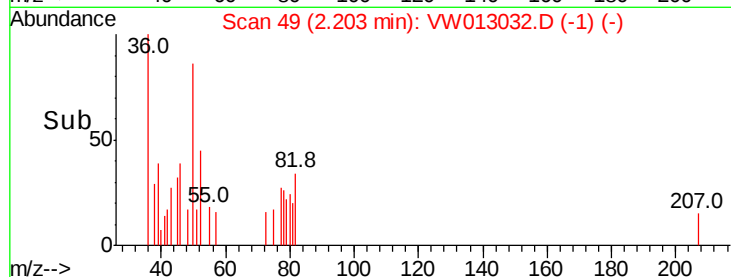
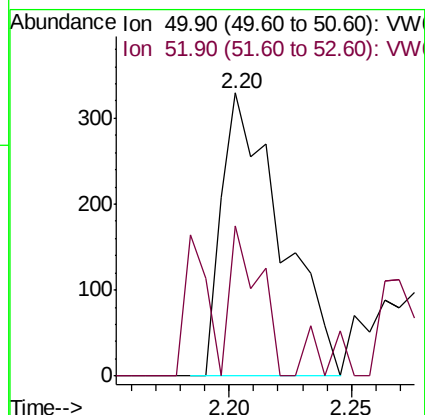
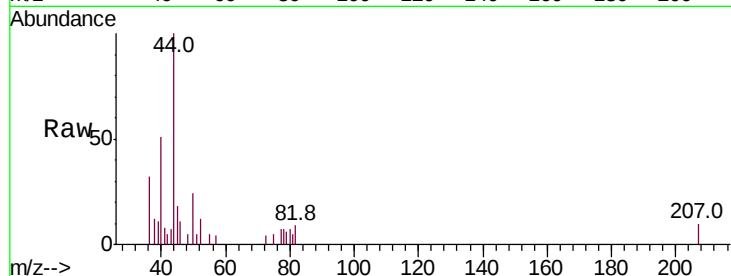
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 555

Ion Ratio Lower Upper

50 100

52 37.1 26.6 39.8



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW013032.D

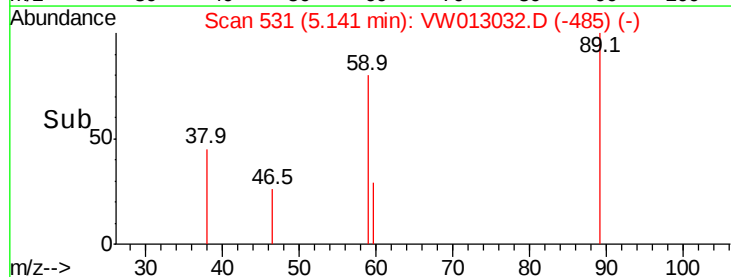
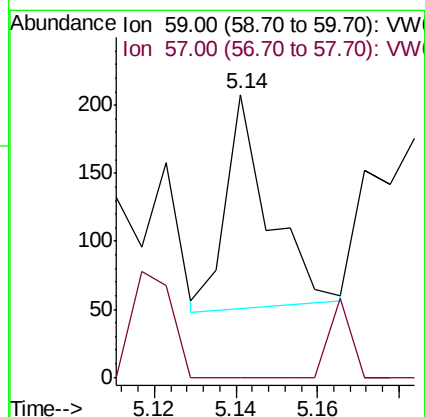
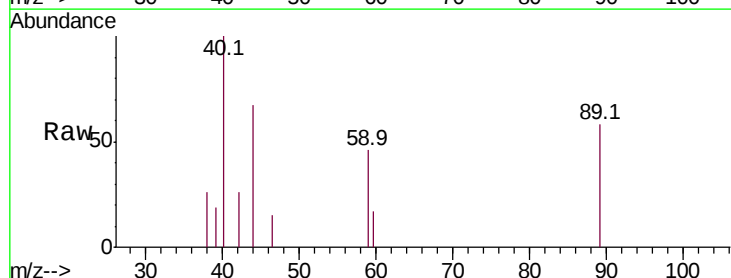
Acq: 16 Sep 2019 11:04

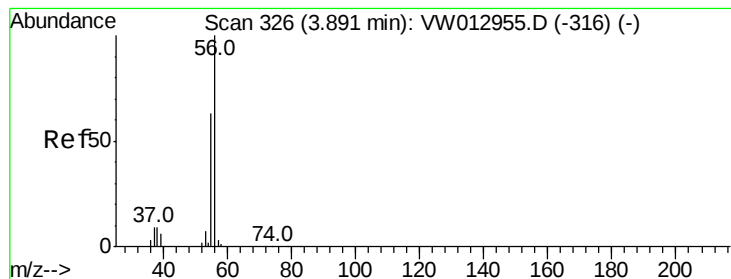
Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

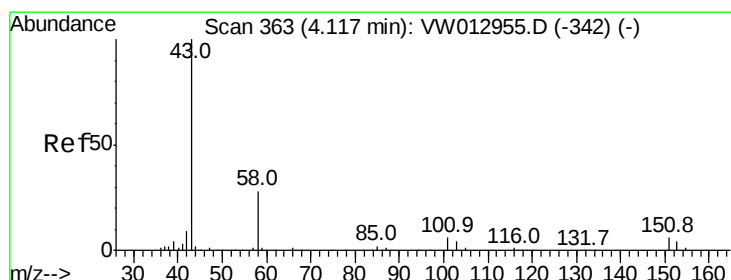
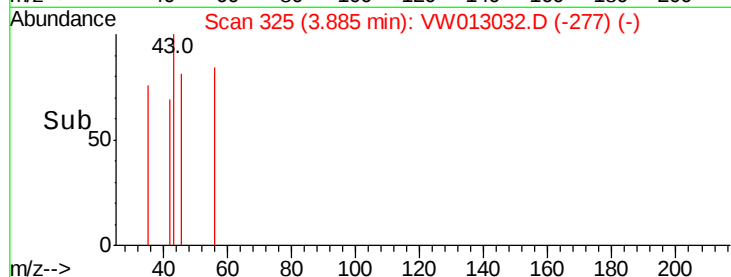
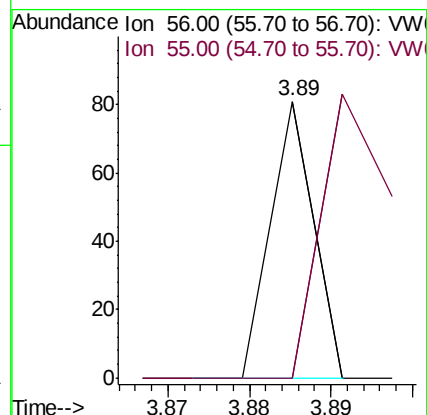
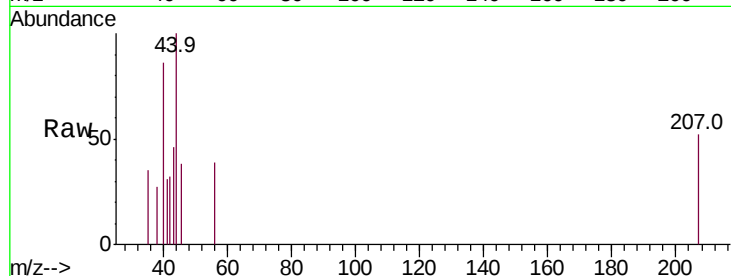
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 166.7 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW013032.D

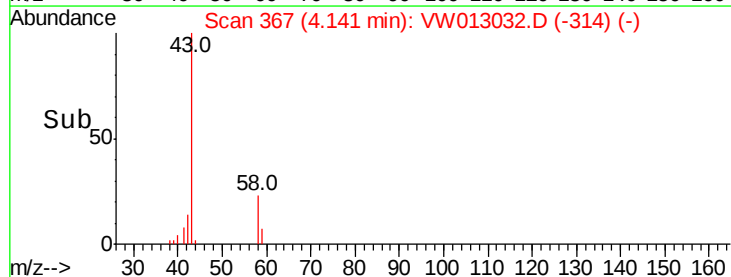
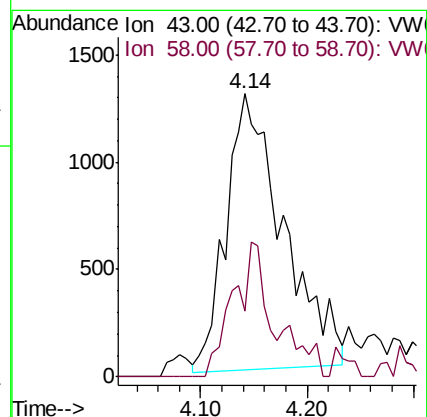
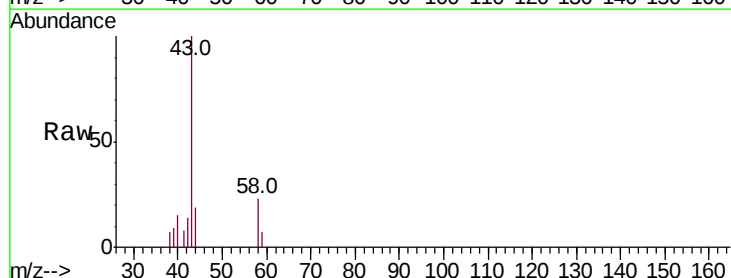
Acq: 16 Sep 2019 11:04

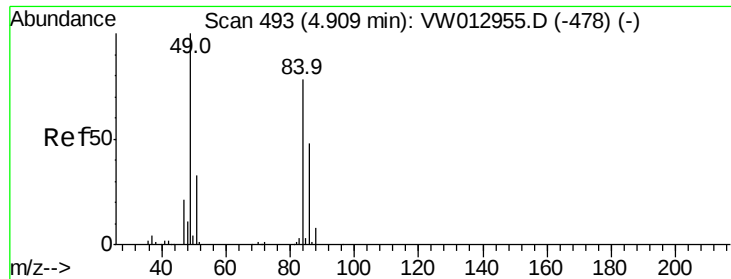
Tgt Ion: 43 Resp: 4837

Ion Ratio Lower Upper

43 100

58 24.1 22.3 33.5

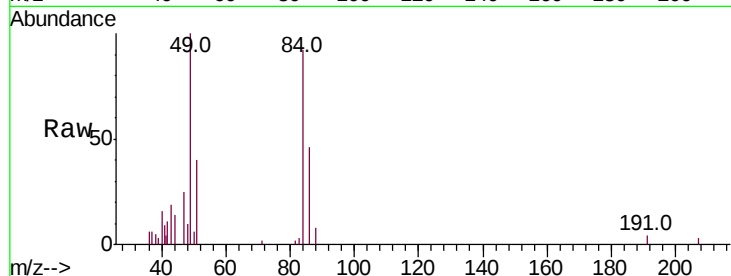




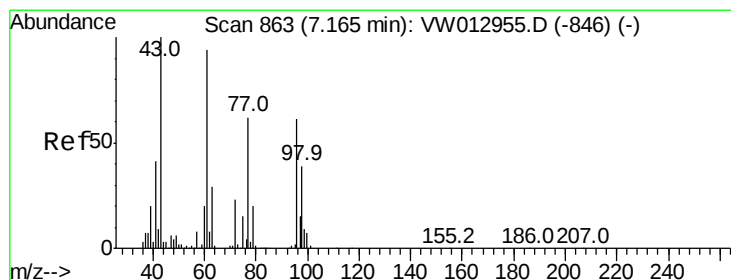
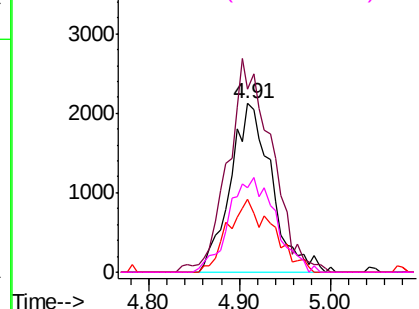
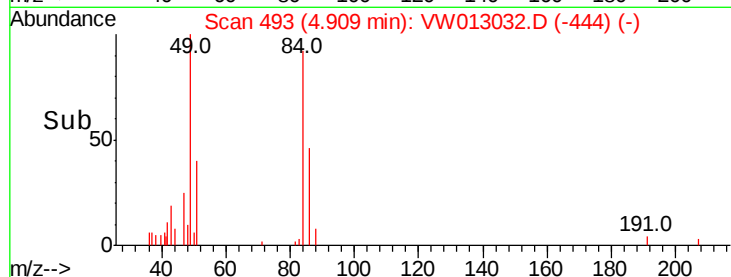
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013032.D
Acq: 16 Sep 2019 11:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 6749
Ion Ratio Lower Upper
84 100
49 108.4 102.0 153.0
51 43.2 34.0 51.0
86 50.3 48.5 72.7

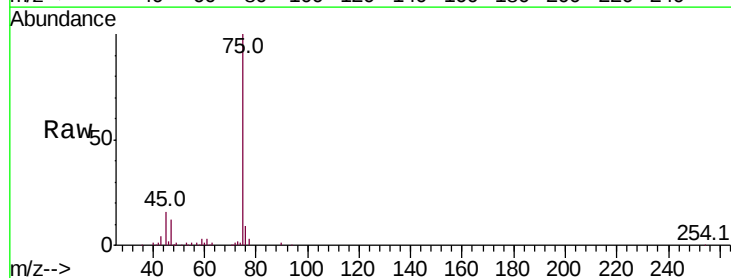


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

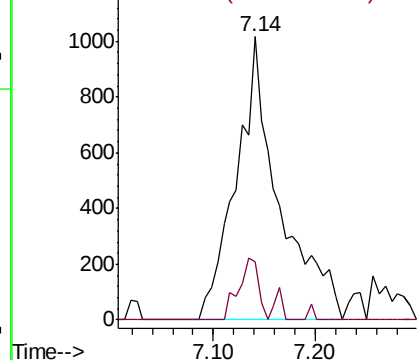
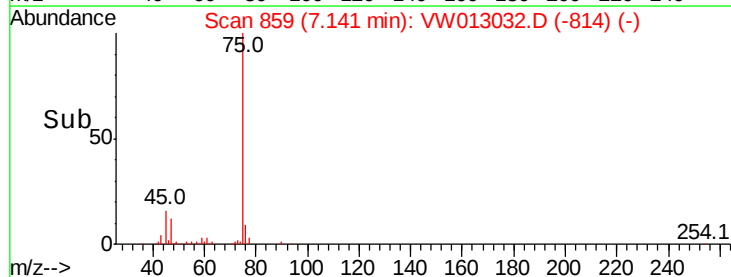


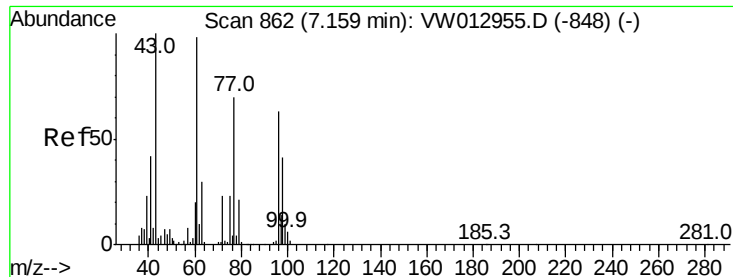
#25
2-Butanone
Concen: 3.505 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013032.D
Acq: 16 Sep 2019 11:04

Tgt Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
72 20.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 858

Delta R.T. -0.02 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

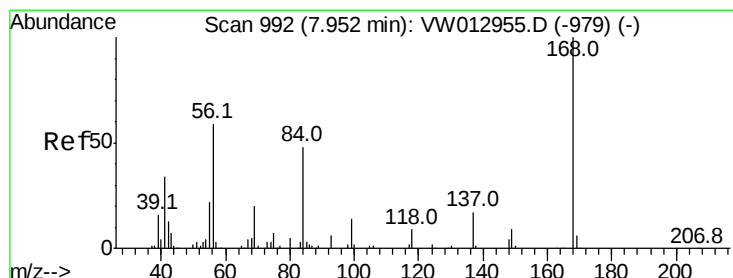
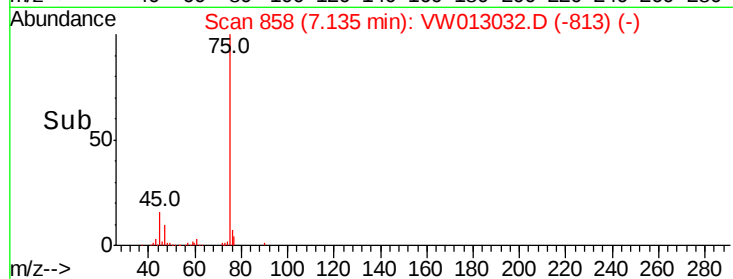
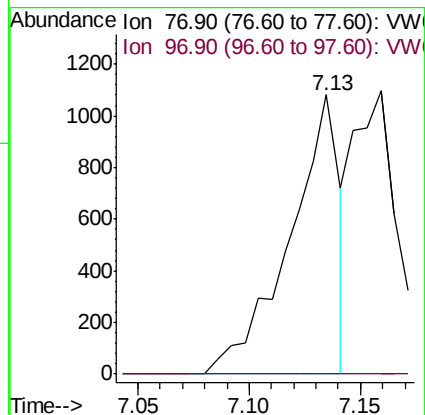
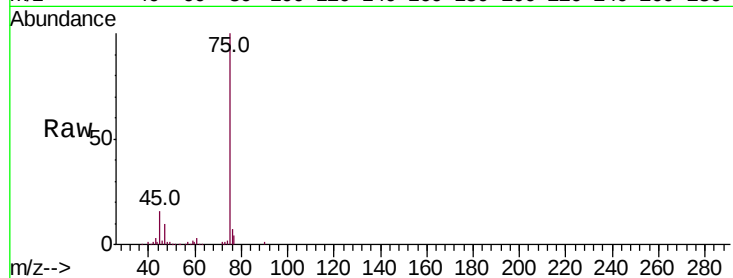
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 1683

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

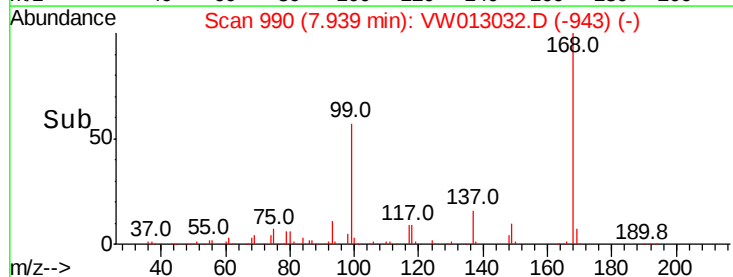
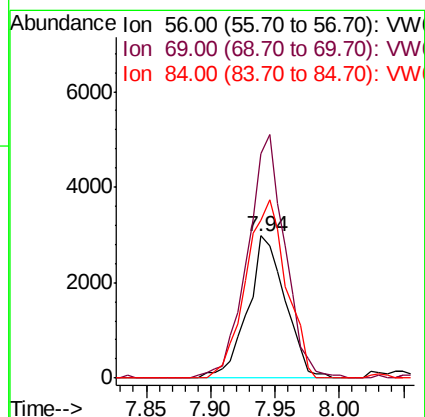
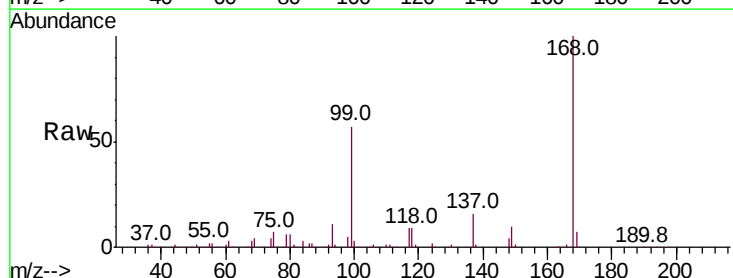
Tgt Ion: 56 Resp: 5978

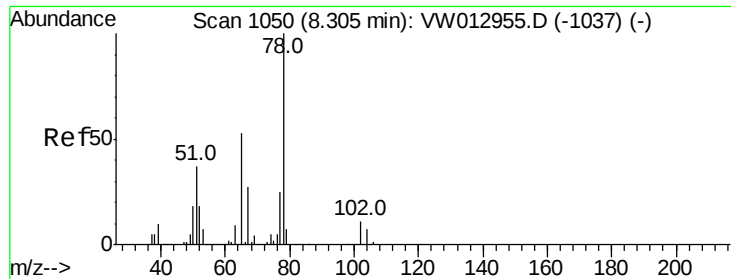
Ion Ratio Lower Upper

56 100

69 157.5 27.0 40.6#

84 110.7 66.2 99.2#

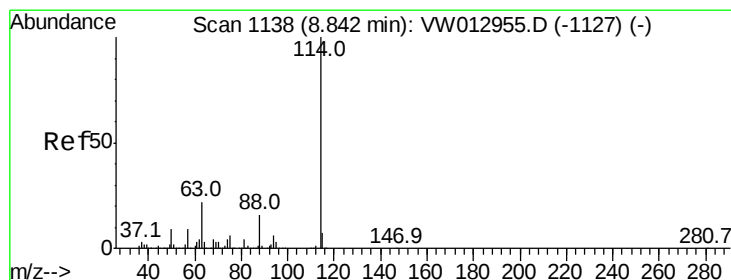
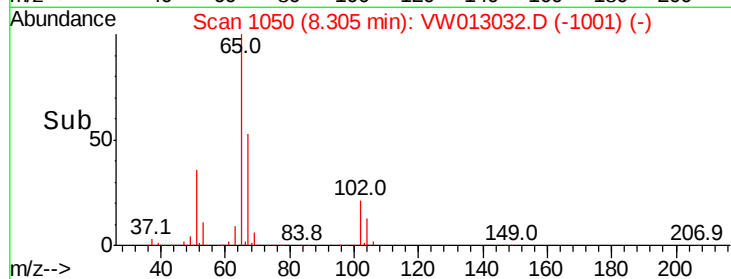
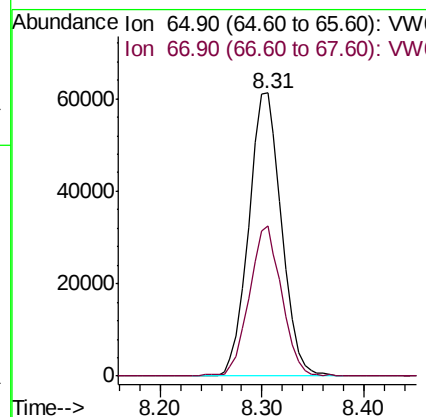
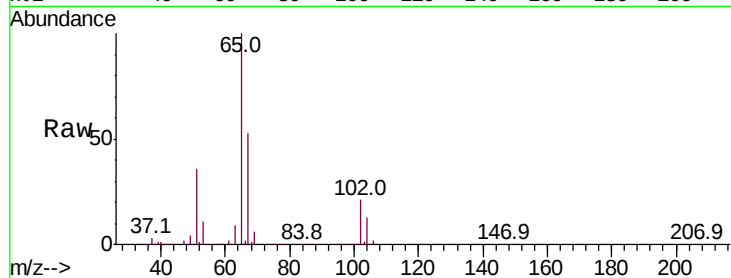




#33
 1,2-Dichloroethane-d4
 Concen: 51.017 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013032.D
 Acq: 16 Sep 2019 11:04

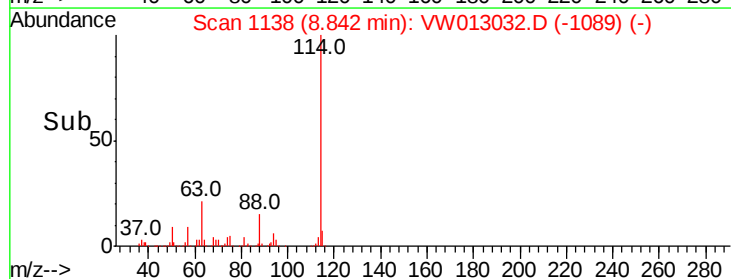
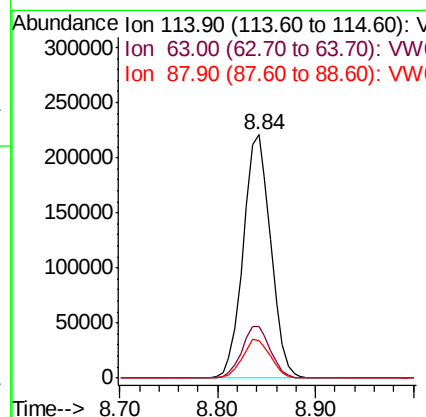
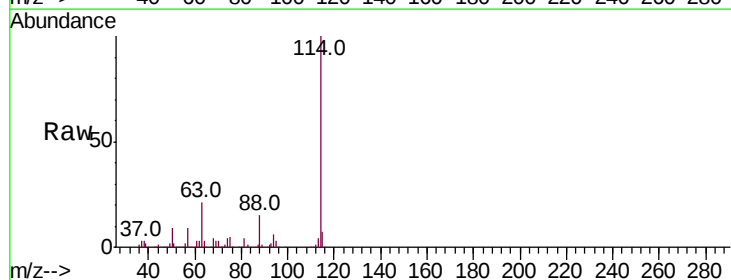
Instrument :
 MSVOA_W
 ClientSampleId :

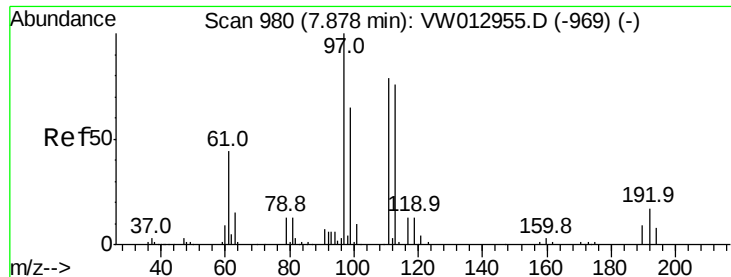
Tot Ion: 65 Resp: 136598
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013032.D
 Acq: 16 Sep 2019 11:04

Tgt Ion: 114 Resp: 430000
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 15.2 0.0 31.6

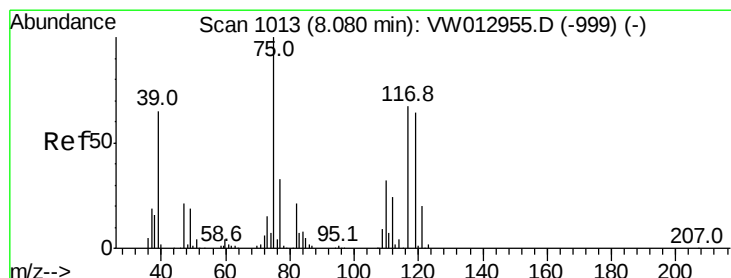
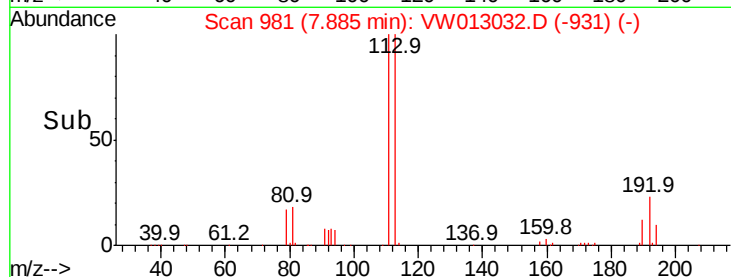
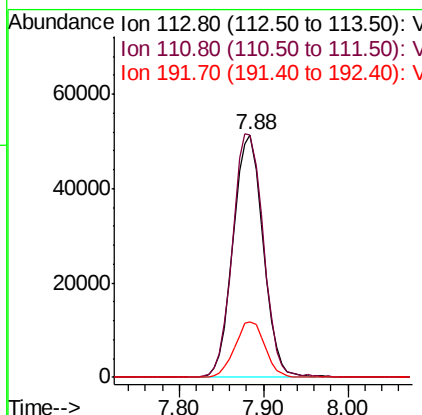
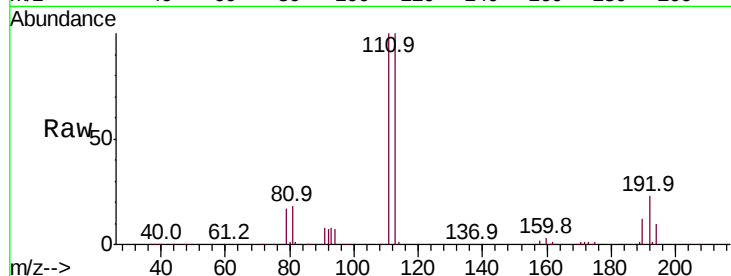




#35
 Dibromofluoromethane
 Concen: 53.065 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013032.D
 Acq: 16 Sep 2019 11:04

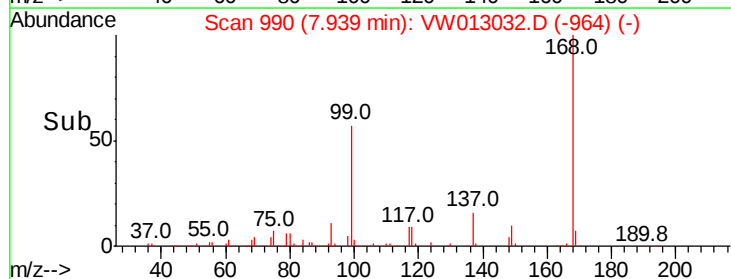
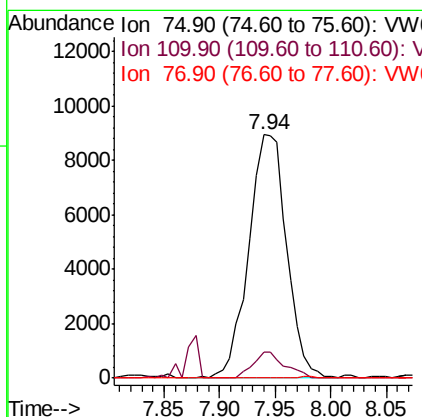
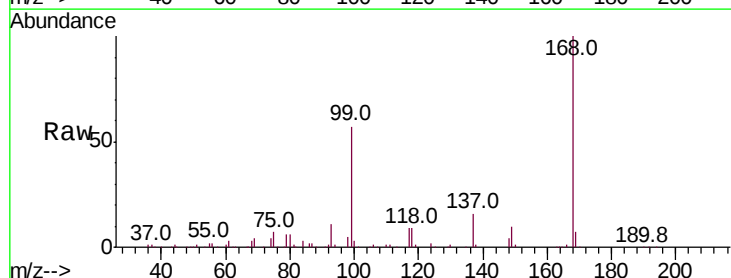
Instrument :
 MSVOA_W
 ClientSampleId :

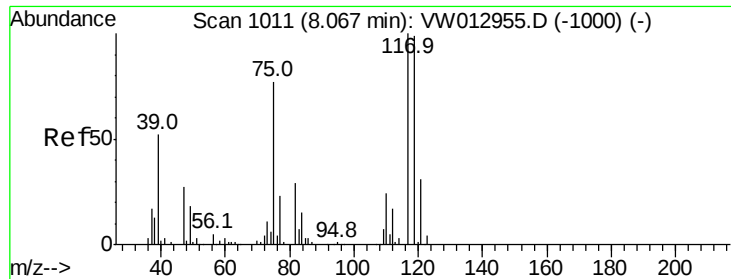
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	23.0	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 6.194 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW013032.D
 Acq: 16 Sep 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.4	49.1#
77	0.0	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 7.586 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

Instrument :

MSVOA_W

ClientSampled :

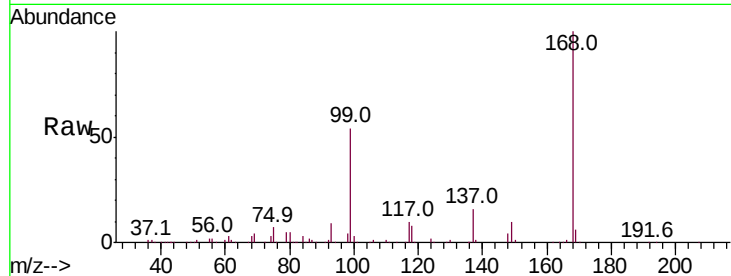
Tot Ion:117 Resp: 26712

Ion Ratio Lower Upper

117 100

119 4.3 79.4 119.0#

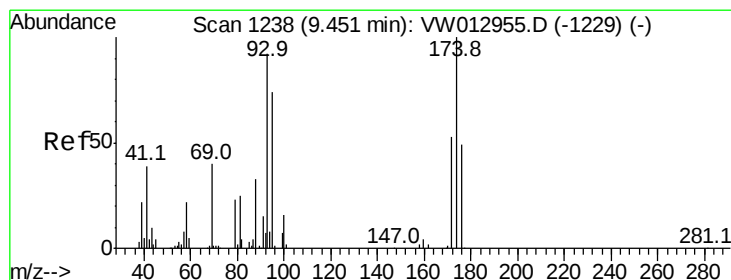
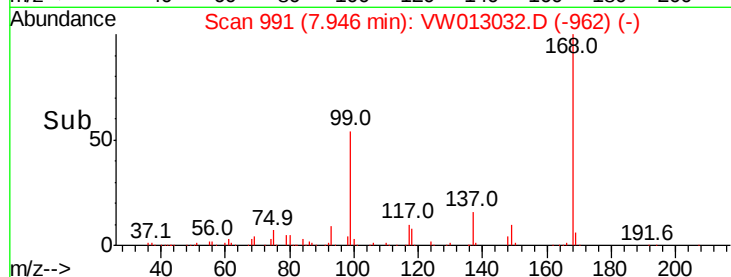
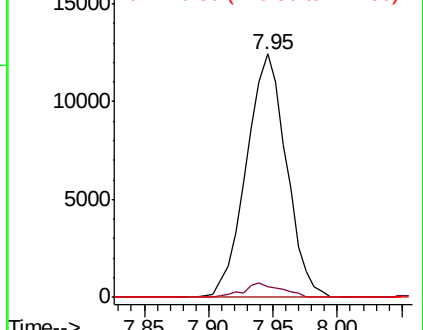
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 2.004 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

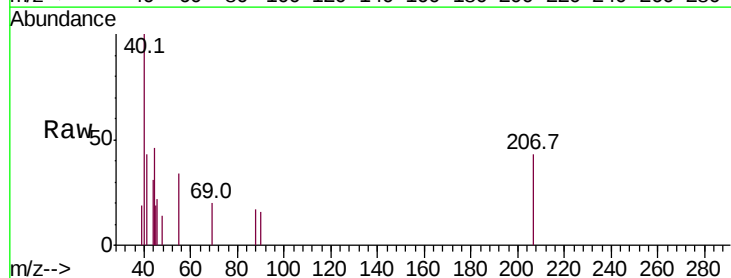
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 31.3 46.9#

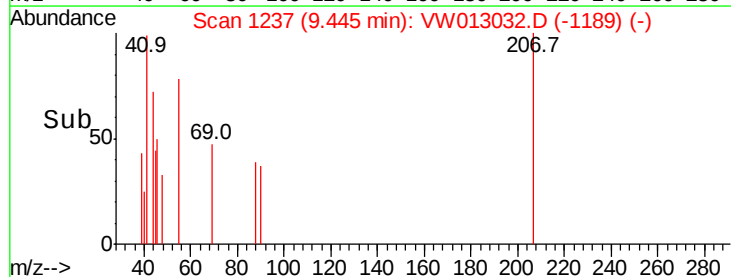
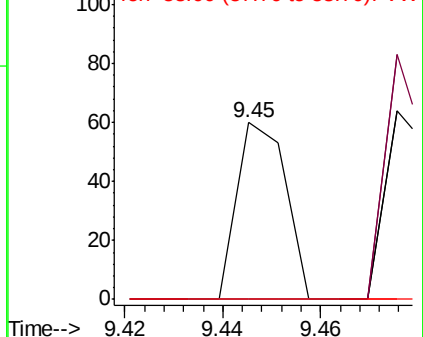
58 0.0 60.2 90.2#

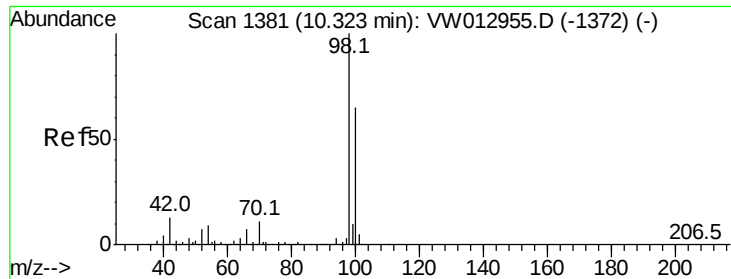


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

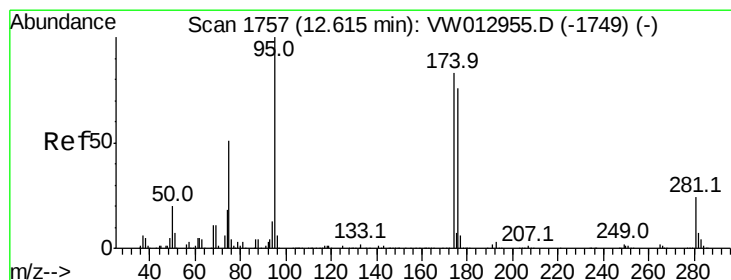
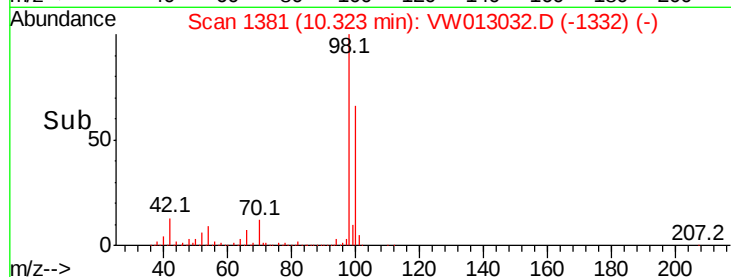
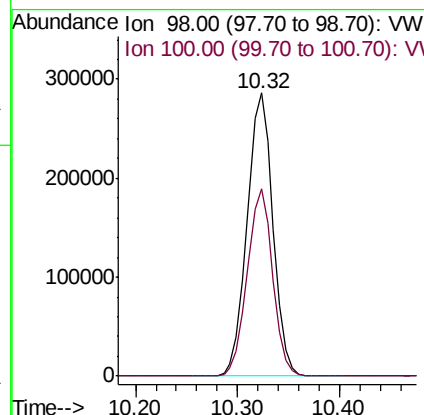
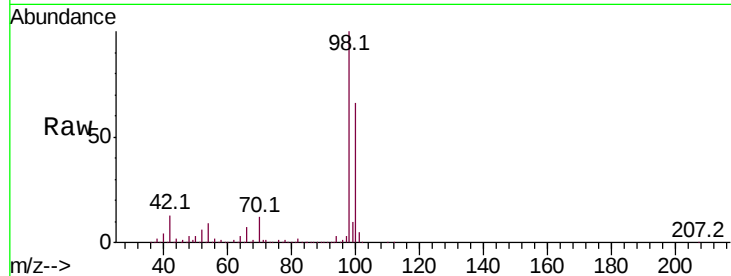




#50
Toluene-d8
Concen: 55.081 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013032.D
Acq: 16 Sep 2019 11:04

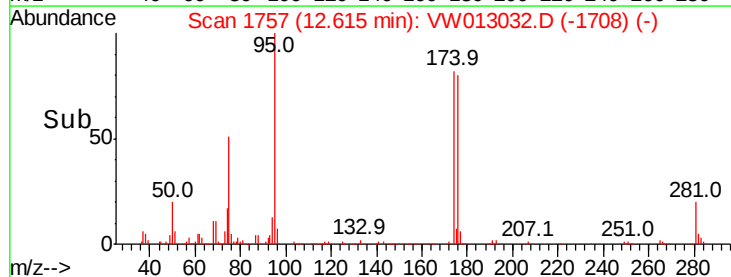
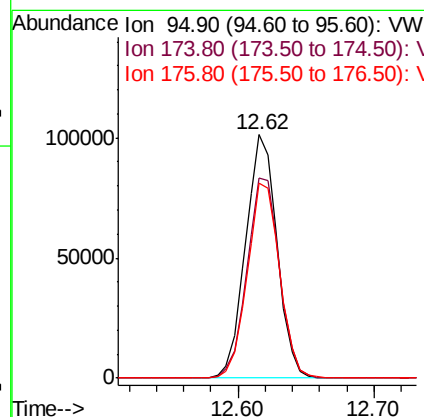
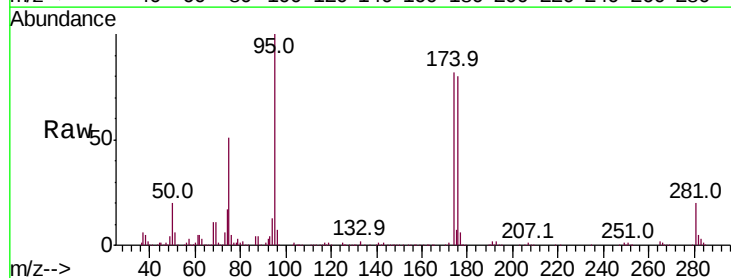
Instrument :
MSVOA_W
ClientSampleId :

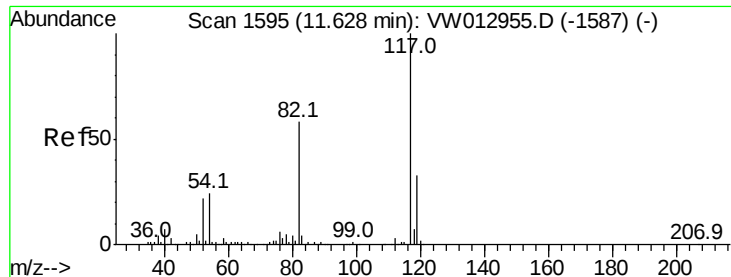
Tot Ion: 98 Resp: 502898
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 49.889 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013032.D
Acq: 16 Sep 2019 11:04

Tgt Ion: 95 Resp: 163785
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.4
176 82.1 0.0 164.6

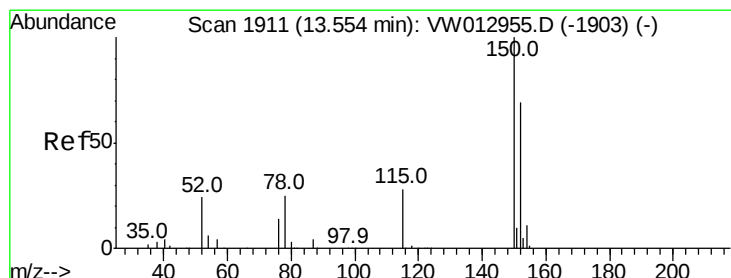
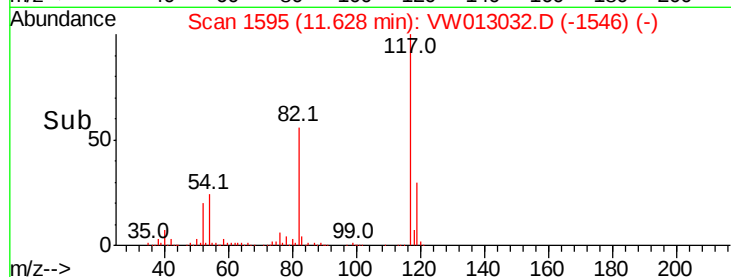
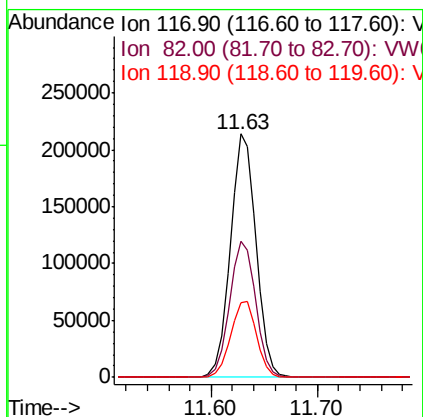
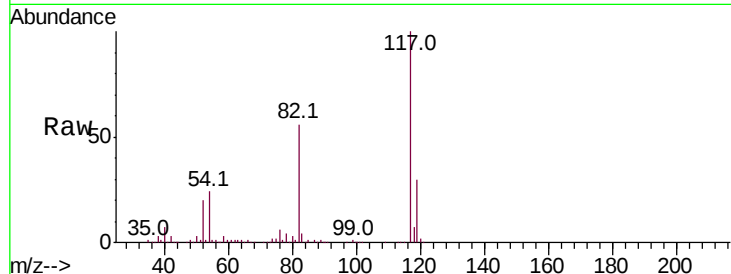




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013032.D
Acq: 16 Sep 2019 11:04

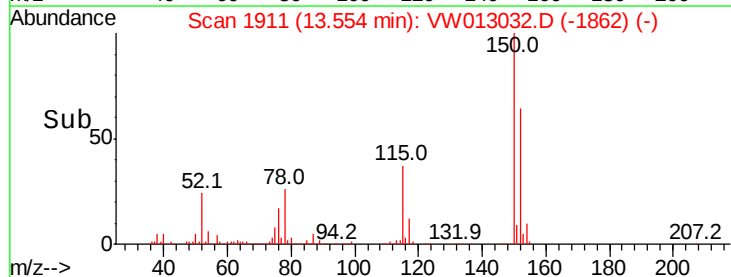
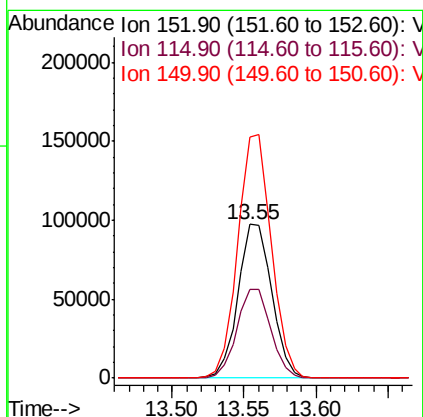
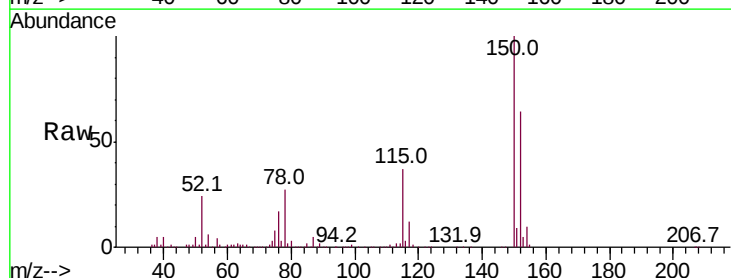
Instrument :
MSVOA_W
ClientSampleId :

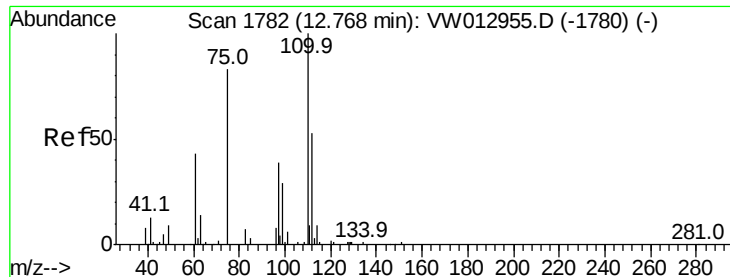
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.3	69.5
119	30.5	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013032.D
Acq: 16 Sep 2019 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.8	86.4
150	157.5	0.0	340.2





#76

1,2,3-Trichloropropane

Concen: 60.448 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

Instrument :

MSVOA_W

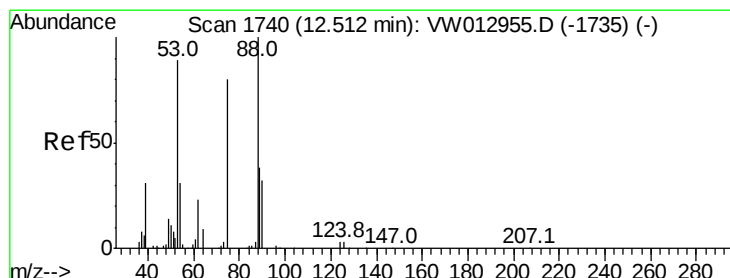
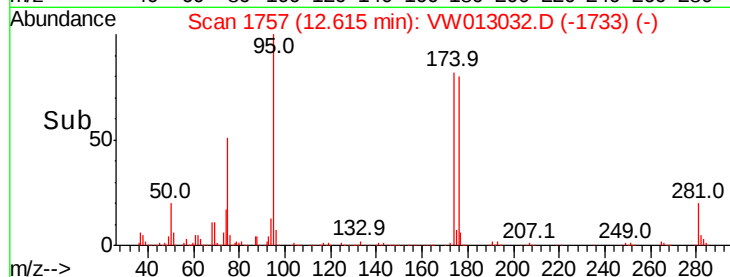
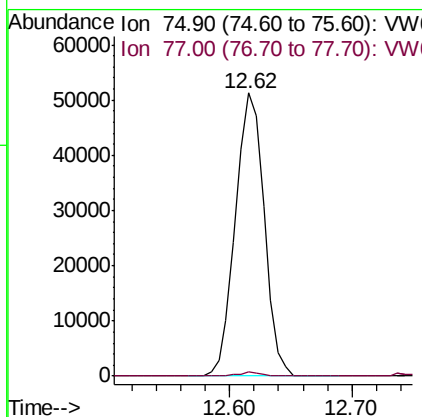
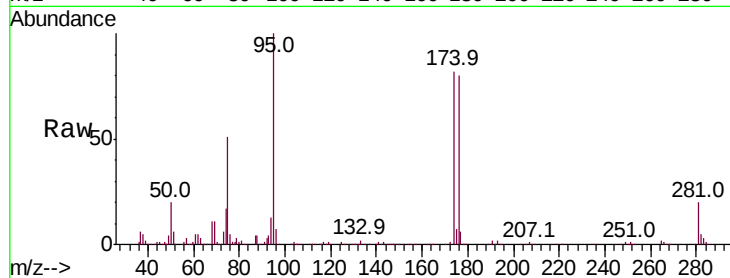
ClientSampleId :

Tot Ion: 75 Resp: 83709

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.126 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013032.D

Acq: 16 Sep 2019 11:04

Tgt Ion: 75 Resp: 83709

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.0 37.2 55.8#

