

Data File : VW013116.D
Acq On : 18 Sep 2019 16:28
Operator : SY/VA
Sample : K4923-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

Quant Time: Sep 19 07:55:53 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	310502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	463162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157372	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	132414	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	7.88	113	129876	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	10.32	98	536283	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
62) 4-Bromofluorobenzene	12.62	95	159977	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	

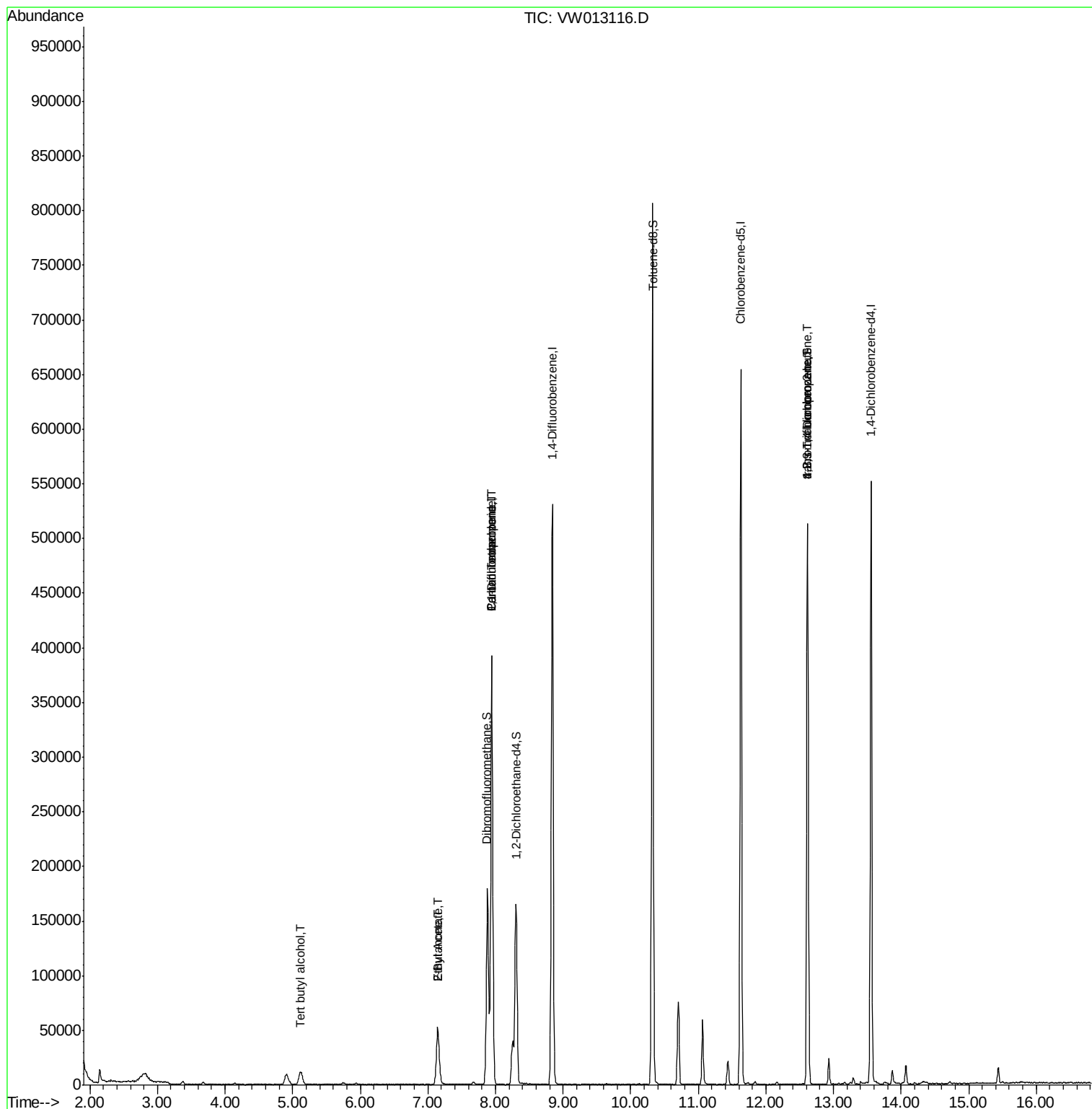
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	50	Below Cal	#	44
3) Chloromethane	2.21	50	208	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	11086	39.207	ug/l #	73
16) Acetone	4.15	43	1999	Below Cal	#	81
20) Methylene Chloride	4.91	84	7800	Below Cal	#	92
25) 2-Butanone	7.15	43	2522	2.766	ug/l #	68
26) 2,2-Dichloropropane	7.15	77	3793	Below Cal	#	55
31) Cyclohexane	7.95	56	5640	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	20906	5.649	ug/l #	50
37) Ethyl Acetate	7.15	43	2522	1.284	ug/l #	1
38) Carbon Tetrachloride	7.95	117	27062	7.135	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	76063	55.180	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76063	125.175	ug/l #	7

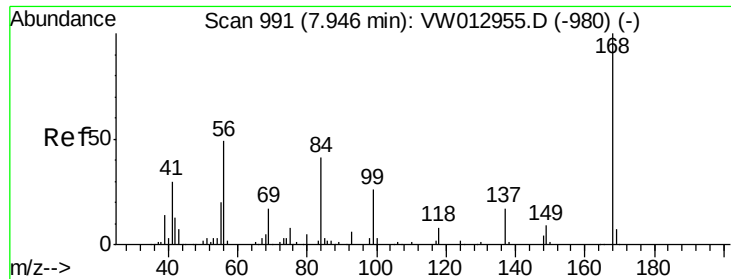
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013116.D

Acq: 18 Sep 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

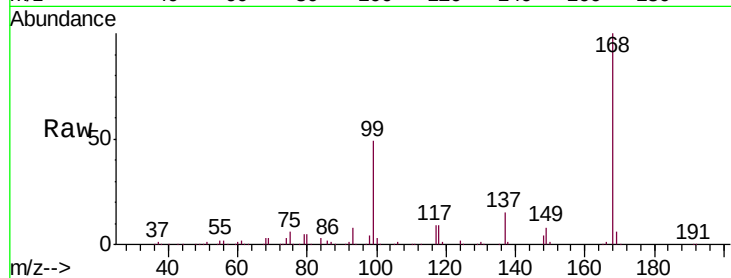
SB-31-10.5-11.0

Tgt Ion:168 Resp: 310502

Ion Ratio Lower Upper

168 100

99 48.9 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

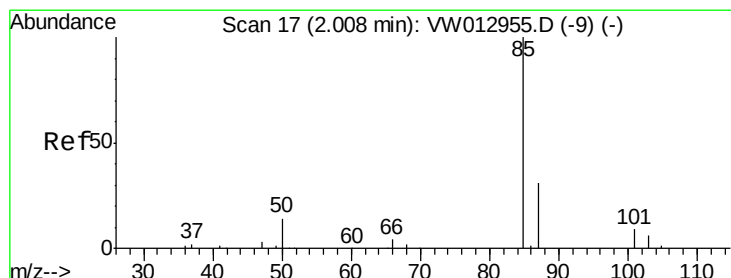
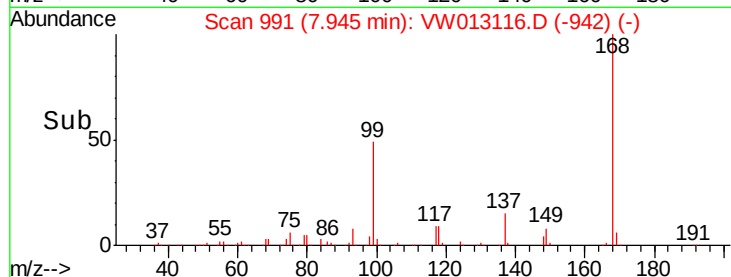
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013116.D

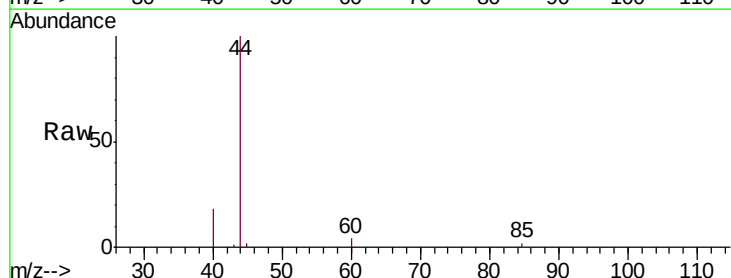
Acq: 18 Sep 2019 16:28

Tgt Ion: 85 Resp: 50

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80

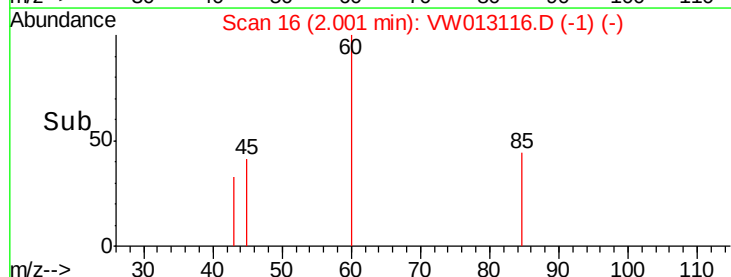
60

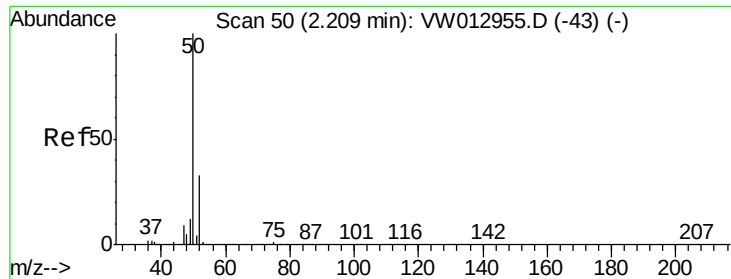
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013116.D

Acq: 18 Sep 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

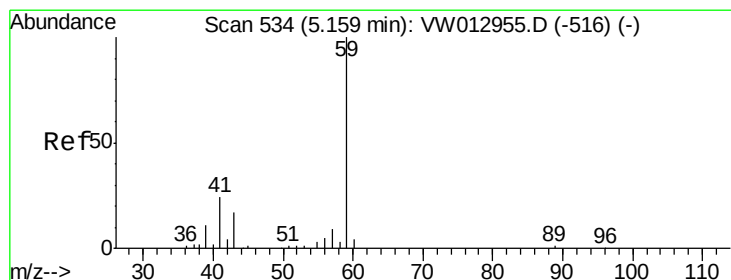
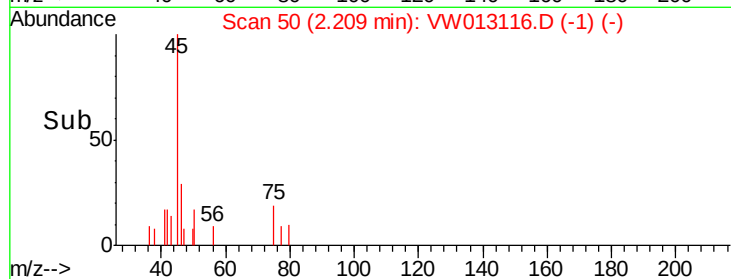
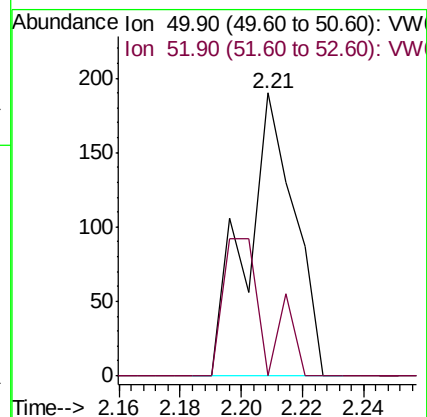
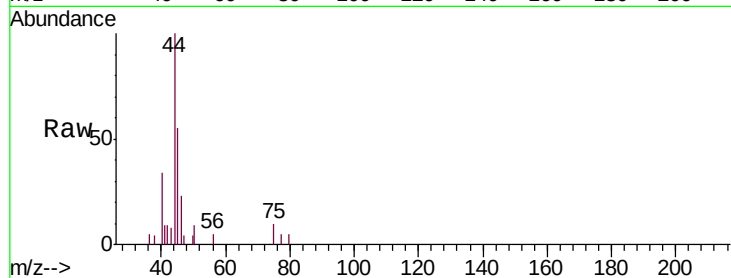
SB-31-10.5-11.0

Tgt Ion: 50 Resp: 208

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 39.207 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013116.D

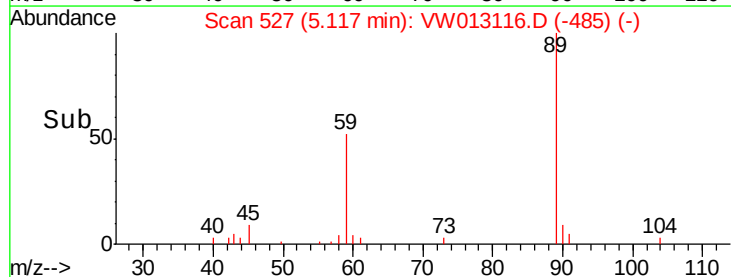
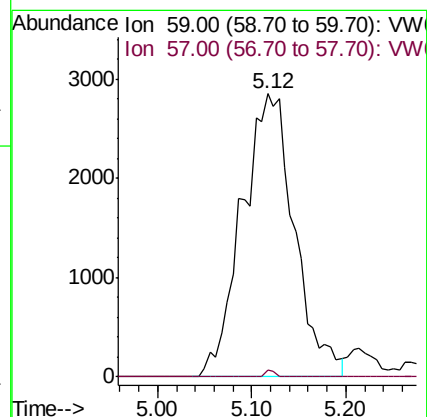
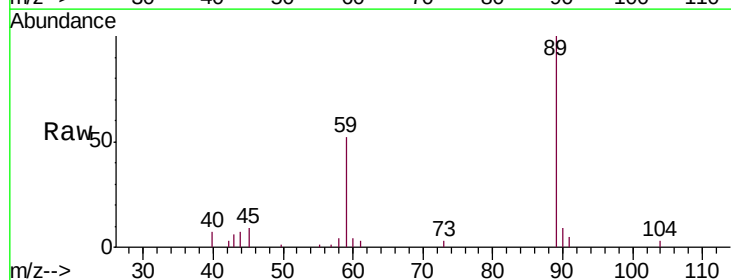
Acq: 18 Sep 2019 16:28

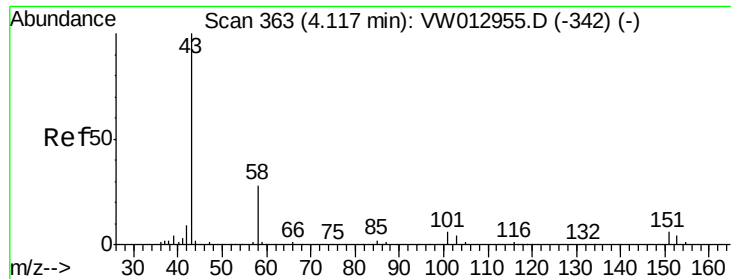
Tgt Ion: 59 Resp: 11086

Ion Ratio Lower Upper

59 100

57 0.4 8.5 12.7#

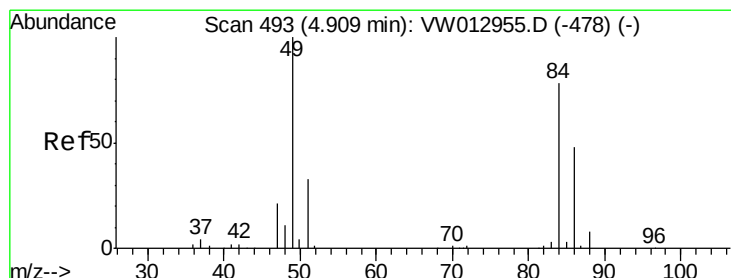
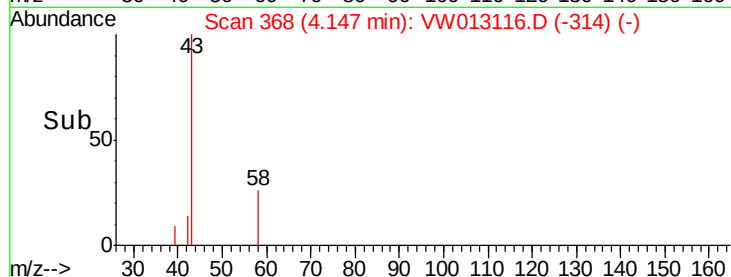
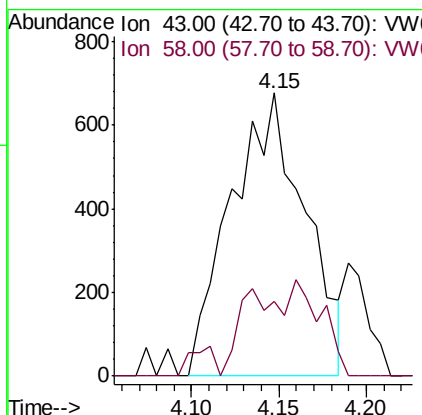
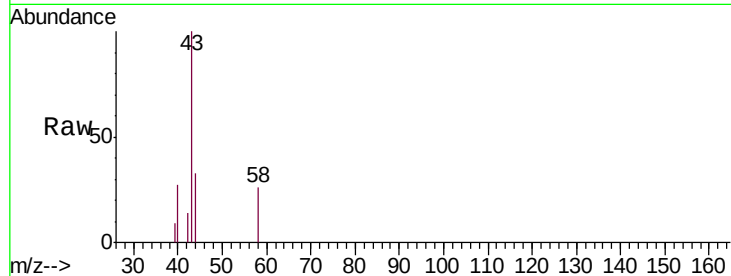




#16
Acetone
Concen: Below Cal
RT: 4.15 min Scan# 368
Delta R.T. 0.03 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

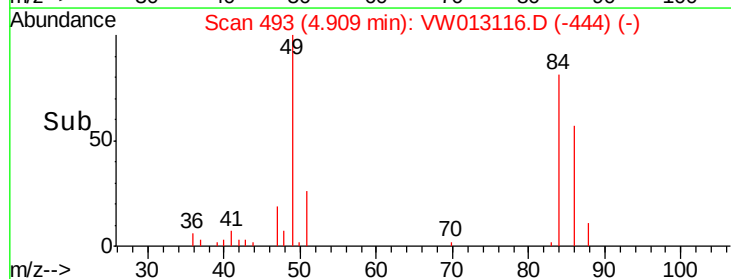
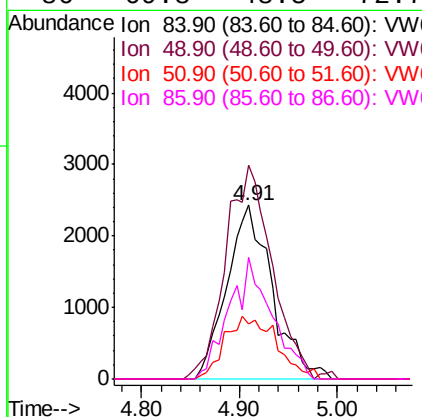
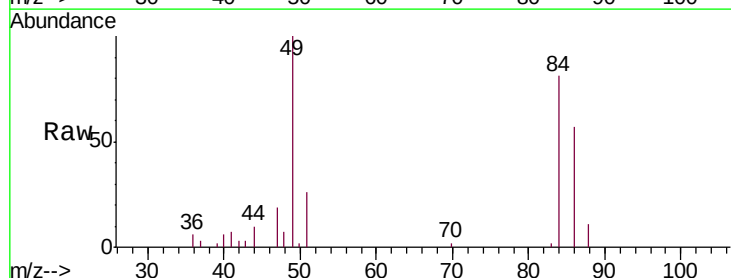
Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

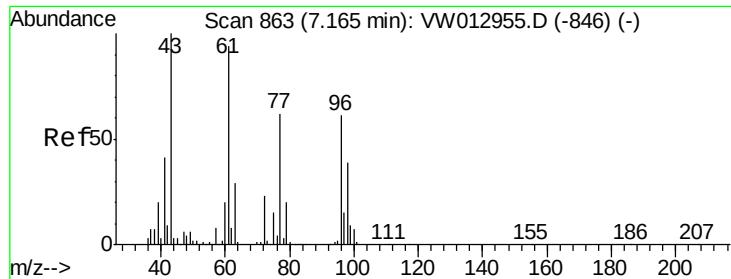
Tgt Ion: 43 Resp: 1999
Ion Ratio Lower Upper
43 100
58 17.9 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

Tgt Ion: 84 Resp: 7800
Ion Ratio Lower Upper
84 100
49 122.9 102.0 153.0
51 31.8 34.0 51.0#
86 69.8 48.5 72.7





#25

2-Butanone

Concen: 2.766 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013116.D

Acq: 18 Sep 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

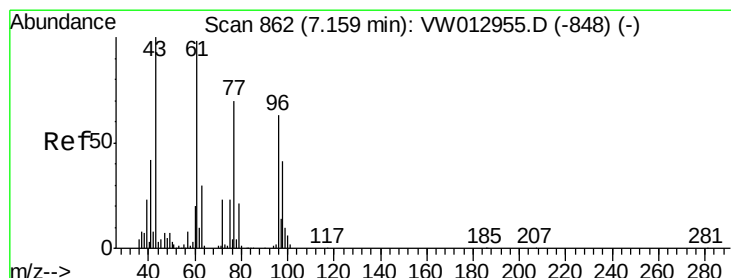
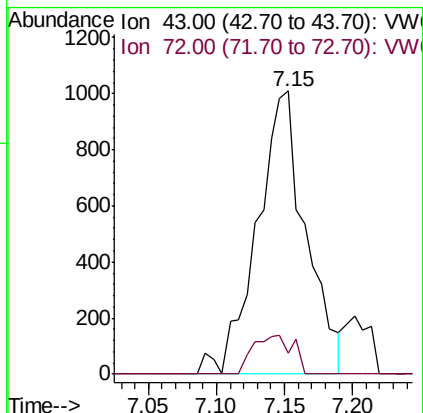
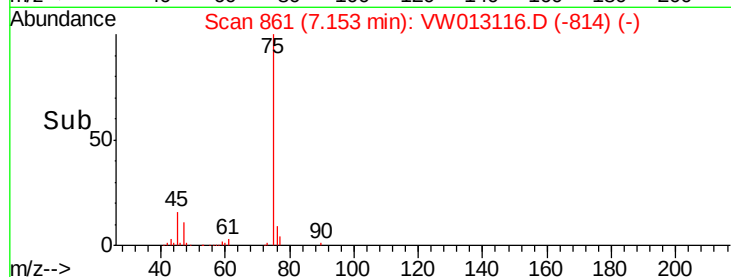
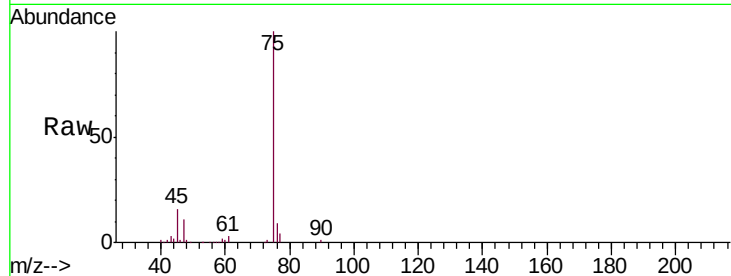
SB-31-10.5-11.0

Tgt Ion: 43 Resp: 2522

Ion Ratio Lower Upper

43 100

72 7.3 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013116.D

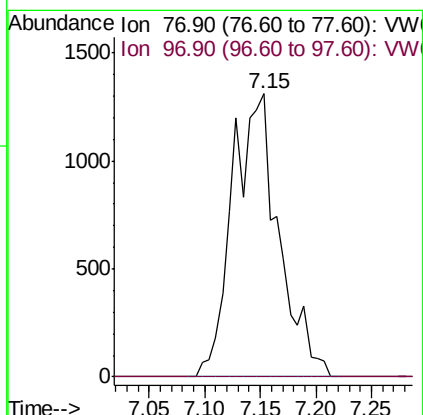
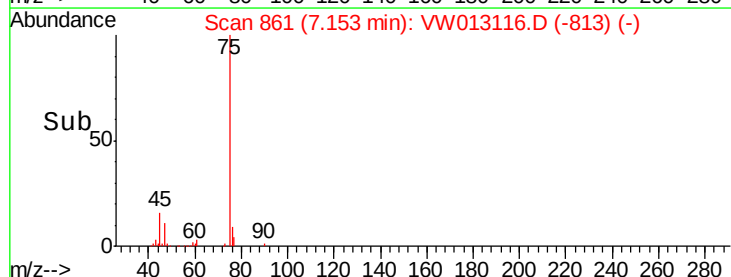
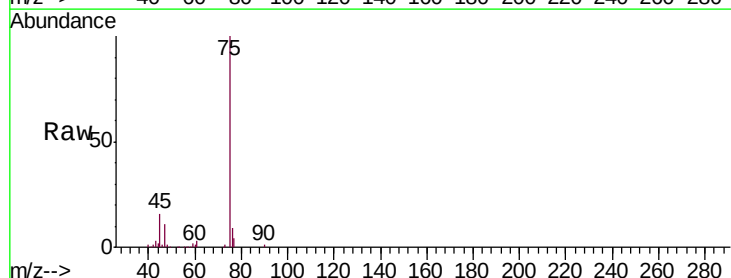
Acq: 18 Sep 2019 16:28

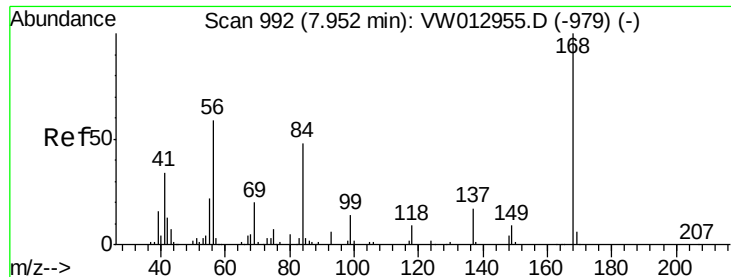
Tgt Ion: 77 Resp: 3793

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

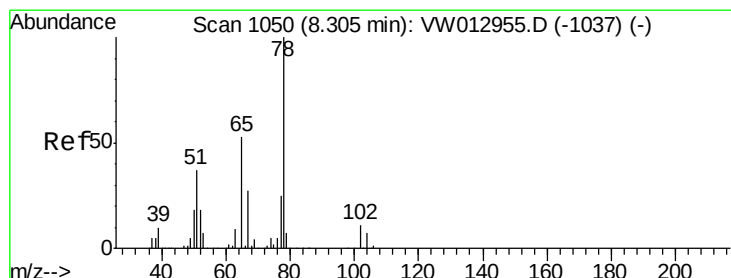
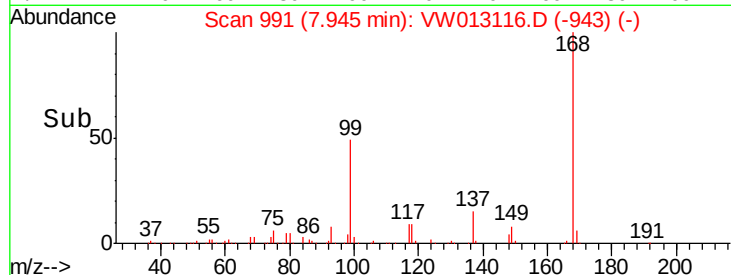
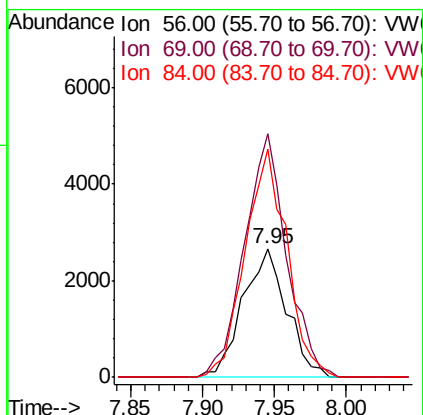
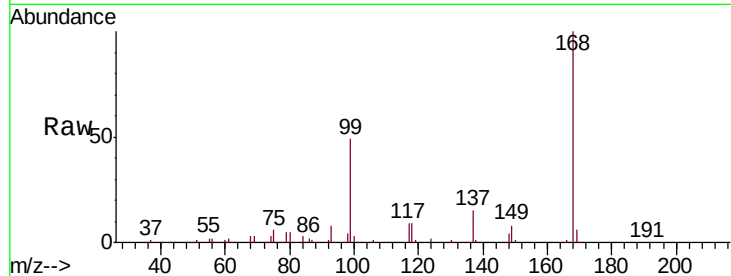




#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

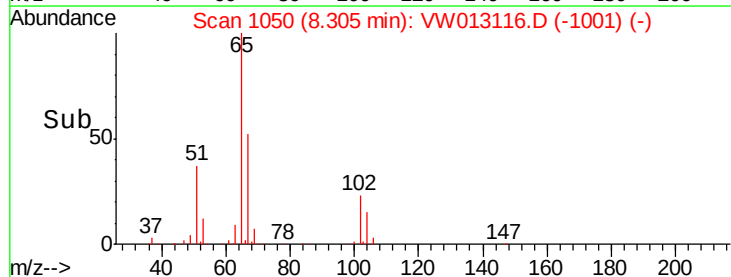
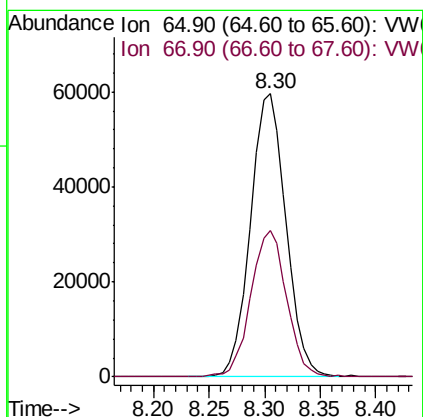
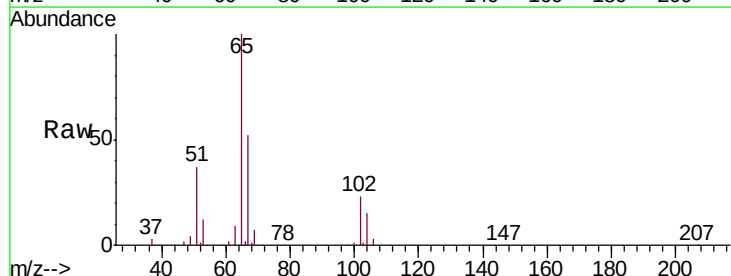
Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

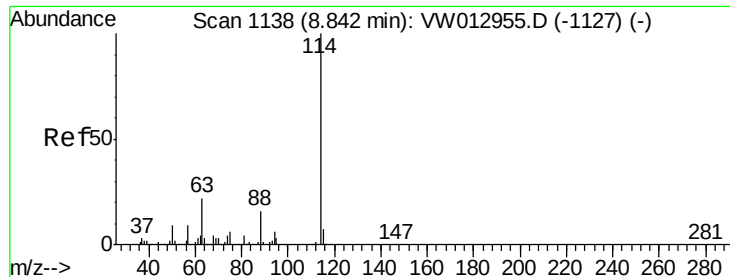
Tgt Ion: 56 Resp: 5640
Ion Ratio Lower Upper
56 100
69 189.3 27.0 40.6#
84 177.8 66.2 99.2#



#33
1,2-Dichloroethane-d4
Concen: 46.174 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

Tgt Ion: 65 Resp: 132414
Ion Ratio Lower Upper
65 100
67 52.3 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: VW013116.D

Acq: 18 Sep 2019 16:28

Instrument :

MSVOA_W

ClientSampleId :

SB-31-10.5-11.0

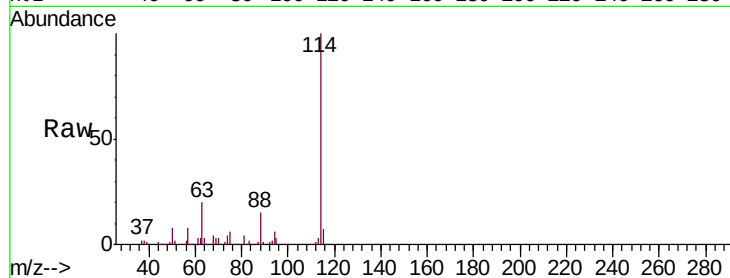
Tgt Ion:114 Resp: 463162

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.4

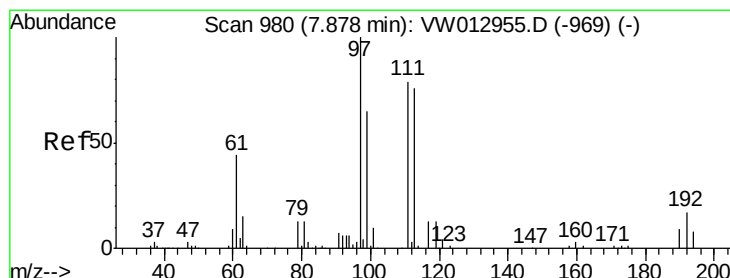
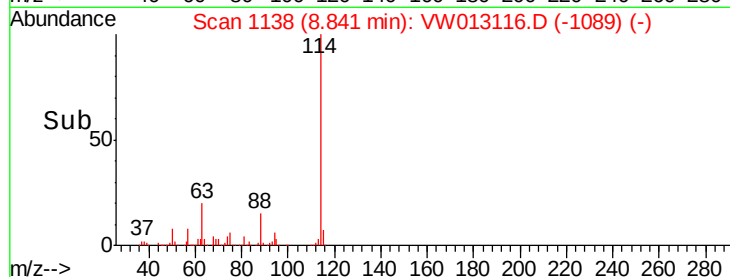
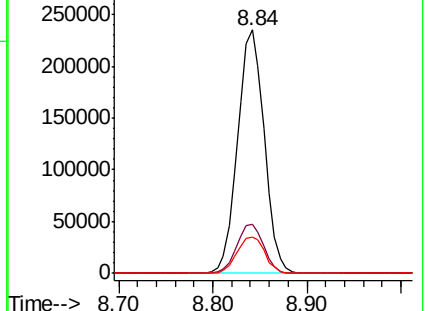
88 15.0 0.0 31.6



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: 51.678 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013116.D

Acq: 18 Sep 2019 16:28

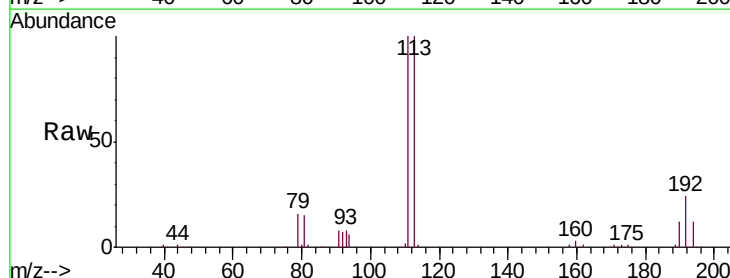
Tgt Ion:113 Resp: 129876

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

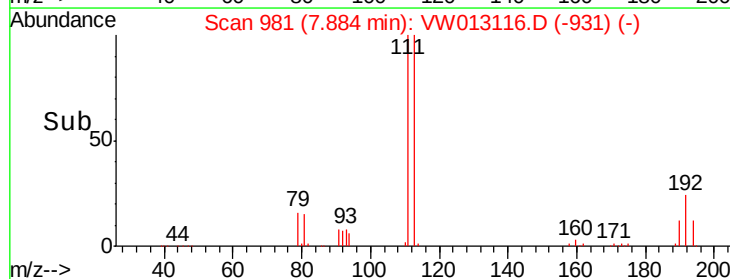
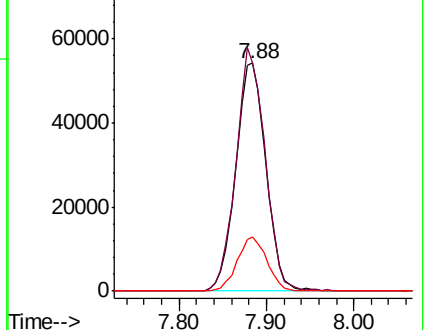
192 23.4 17.8 26.8

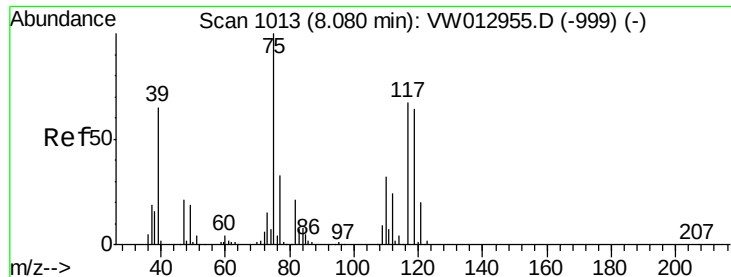


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

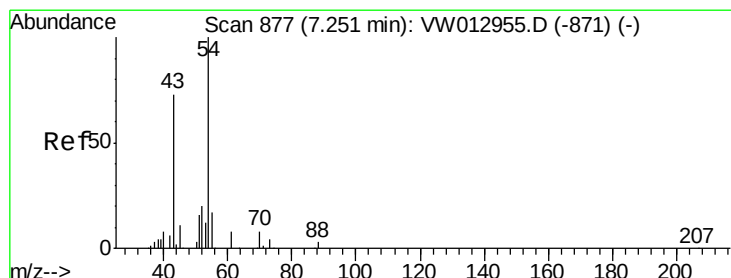
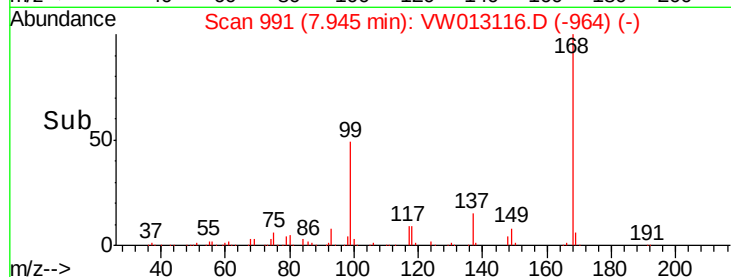
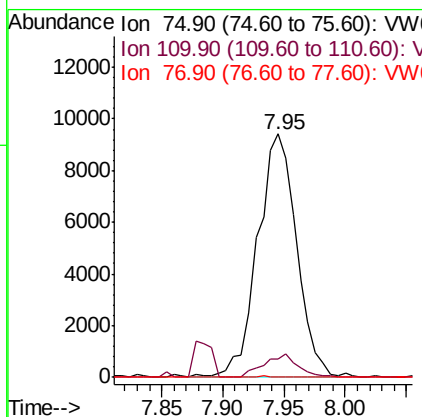
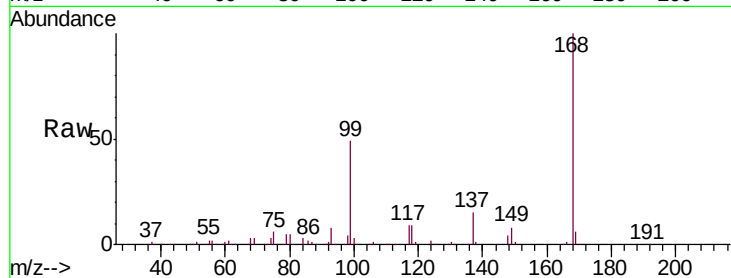




#36
 1,1-Dichloropropene
 Concen: 5.649 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013116.D
 Acq: 18 Sep 2019 16:28

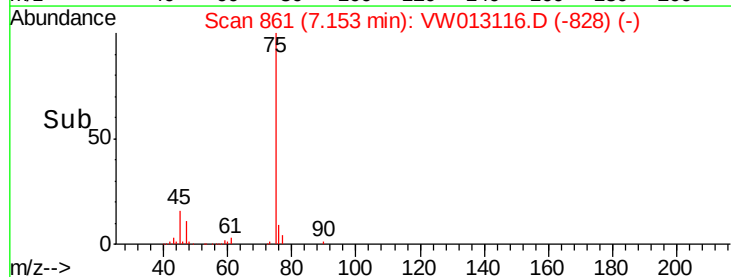
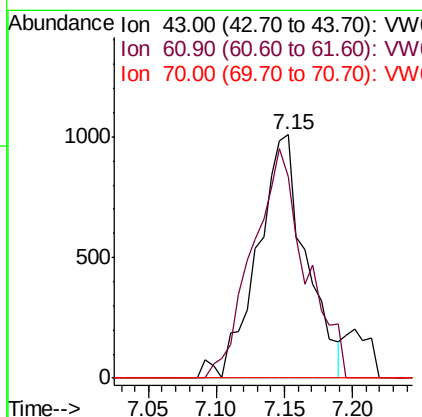
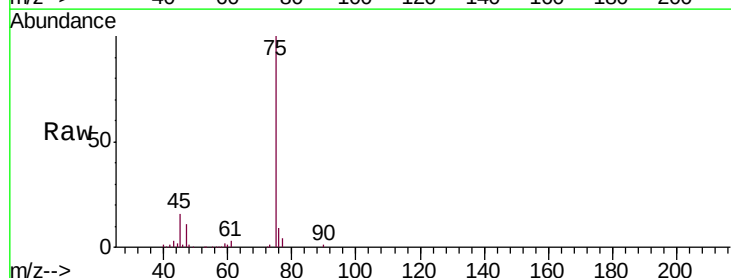
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

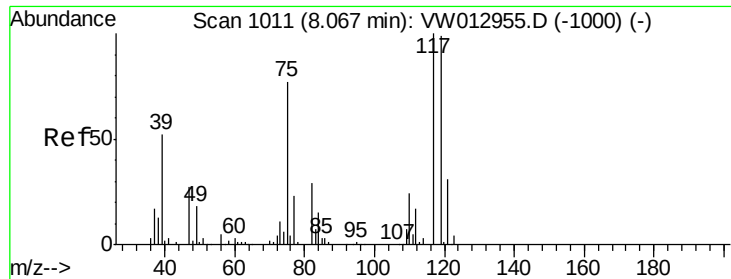
Tgt Ion: 75 Resp: 20906
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.4 49.1#
 77 0.1 25.1 37.7#



#37
 Ethyl Acetate
 Concen: 1.284 ug/l
 RT: 7.15 min Scan# 861
 Delta R.T. -0.10 min
 Lab File: VW013116.D
 Acq: 18 Sep 2019 16:28

Tgt Ion: 43 Resp: 2522
 Ion Ratio Lower Upper
 43 100
 61 102.8 9.6 14.4#
 70 0.0 7.6 11.4#

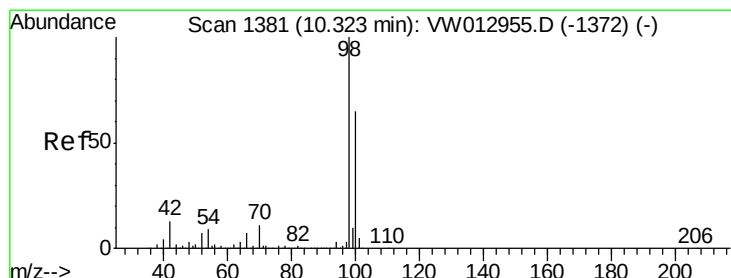
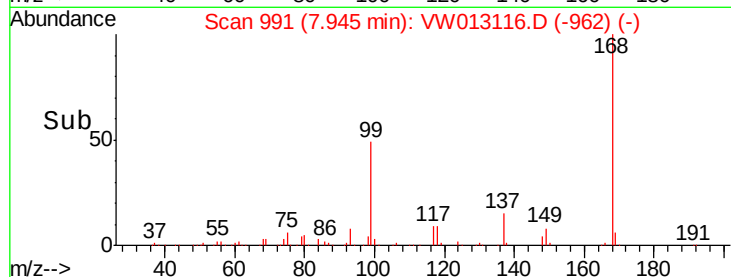
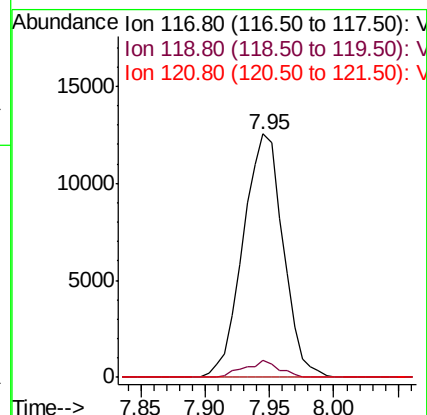
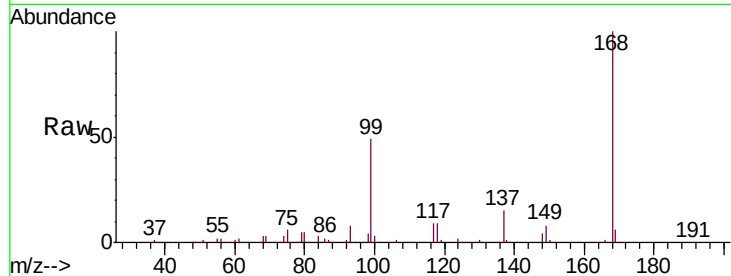




#38
Carbon Tetrachloride
Concen: 7.135 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

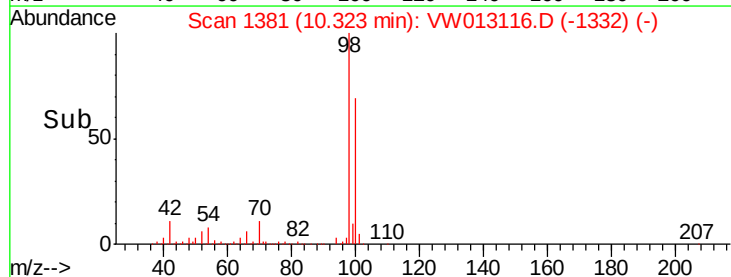
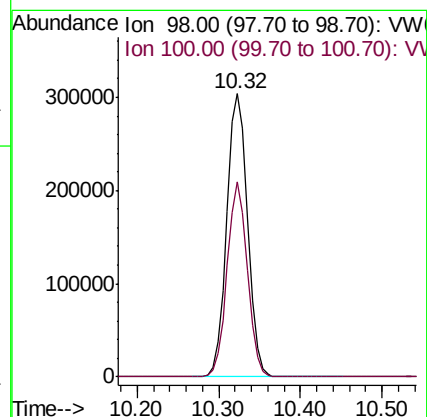
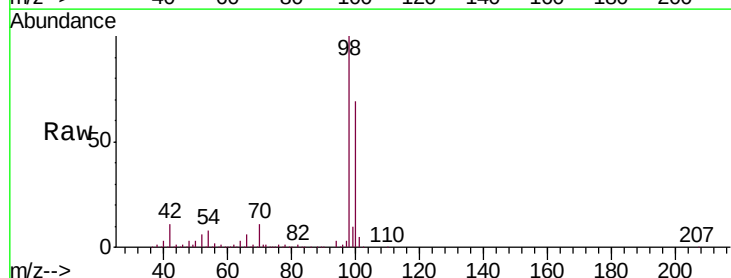
Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

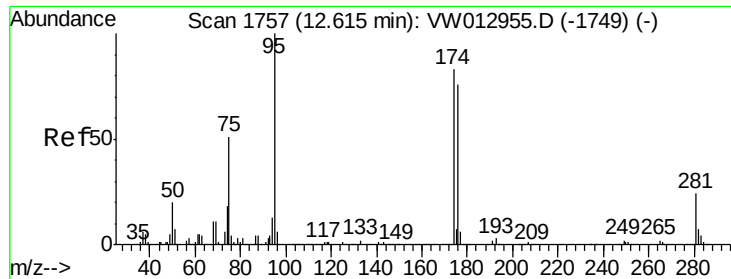
Tgt Ion:117 Resp: 27062
Ion Ratio Lower Upper
117 100
119 7.0 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 54.532 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

Tgt Ion: 98 Resp: 536283
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1

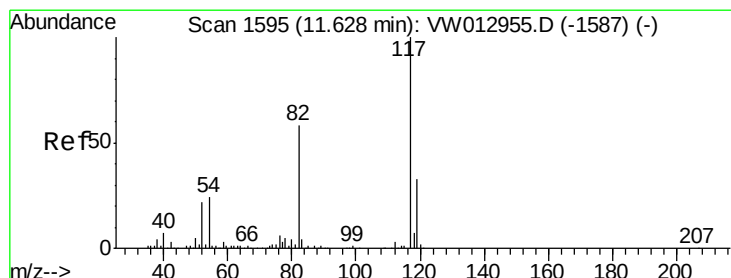
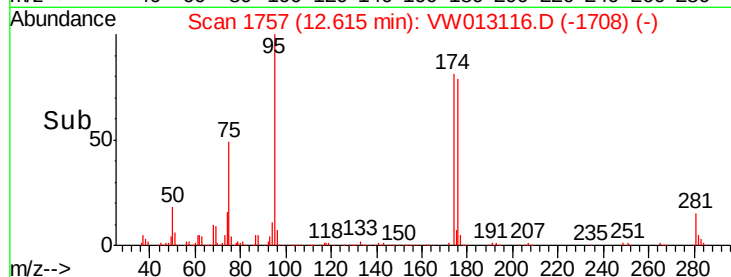
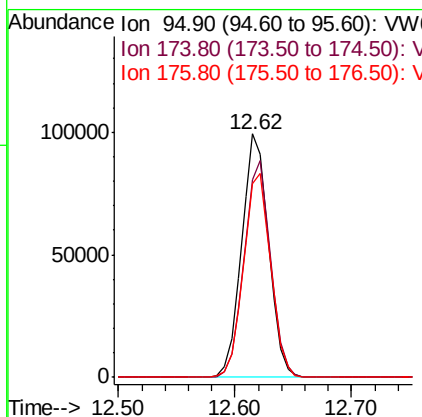
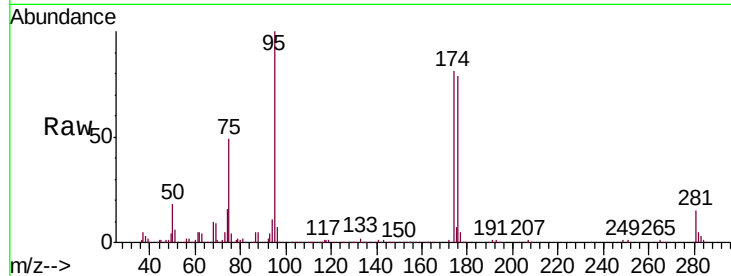




#62
4-Bromofluorobenzene
Concen: 45.240 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

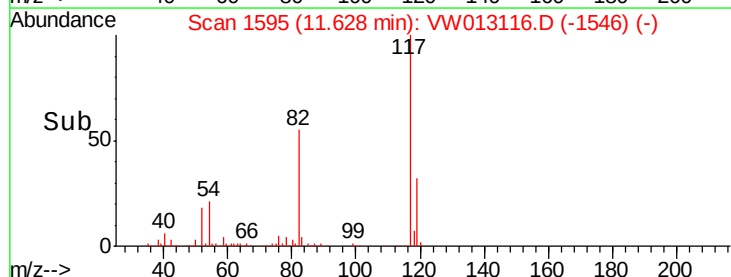
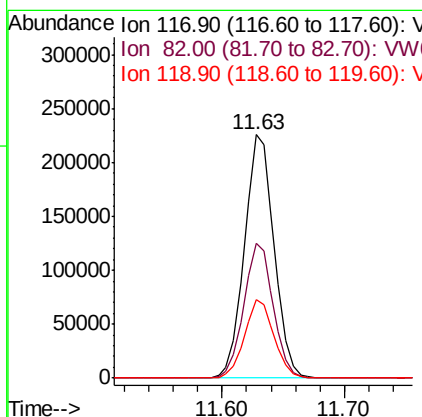
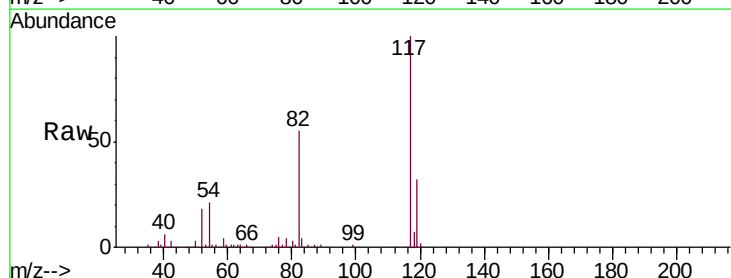
Instrument :
MSVOA_W
ClientSampleId :
SB-31-10.5-11.0

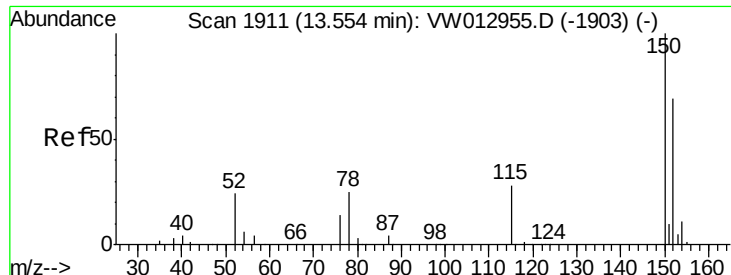
Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	170.4
176	84.8	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013116.D
Acq: 18 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.3	69.5
119	32.2	26.2	39.4

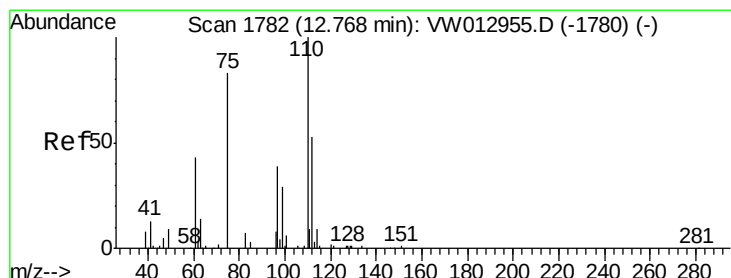
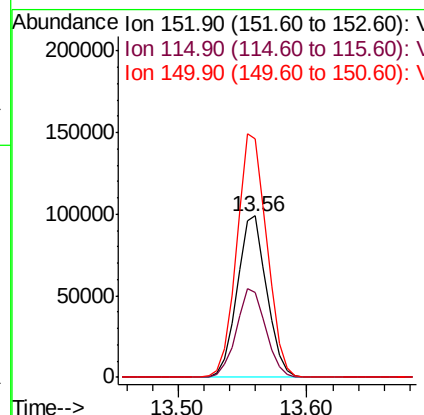
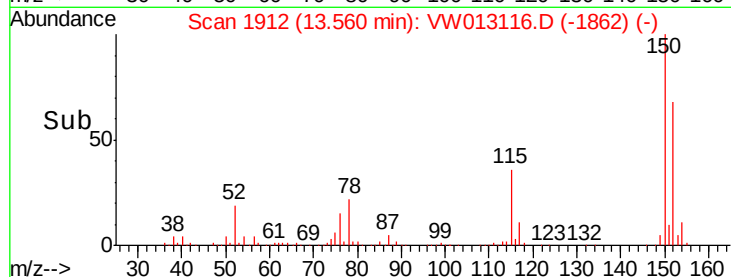
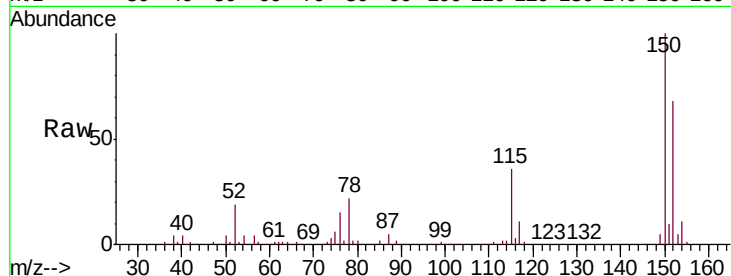




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.01 min
 Lab File: VW013116.D
 Acq: 18 Sep 2019 16:28

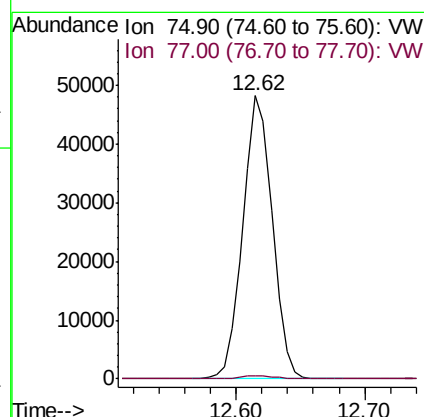
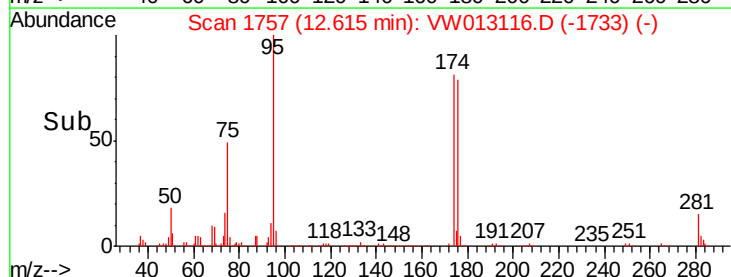
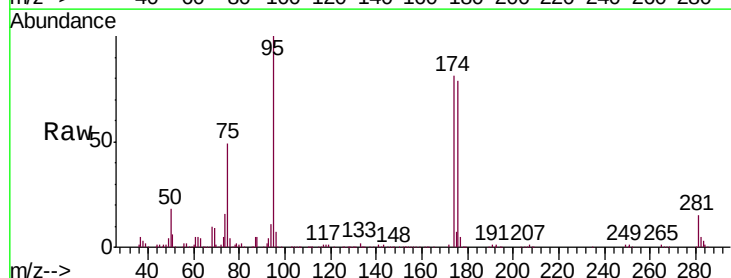
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

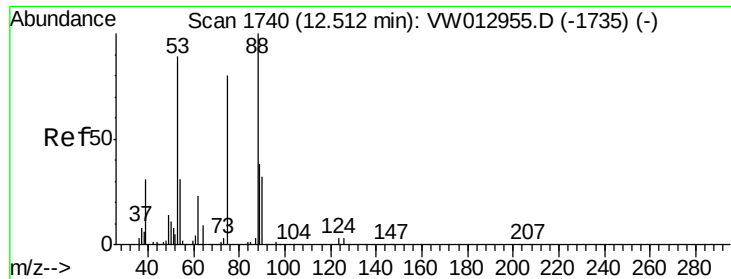
Tgt Ion: 152 Resp: 157372
 Ion Ratio Lower Upper
 152 100
 115 54.8 28.8 86.4
 150 153.9 0.0 340.2



#76
 1,2,3-Trichloropropane
 Concen: 55.180 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013116.D
 Acq: 18 Sep 2019 16:28

Tgt Ion: 75 Resp: 76063
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.175 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013116.D
 Acq: 18 Sep 2019 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-31-10.5-11.0

Tgt Ion: 75 Resp: 76063
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.3 37.2 55.8#

