

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009271.D
 Acq On : 20 Mar 2019 06:54
 Operator : SY/VA
 Sample : K1987-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190144-COMPOSITE-C

Quant Time: Mar 20 08:23:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	459034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229260	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	201200	62.45	ug/l	0.00
Spiked Amount			Recovery	=	124.90%	
35) Dibromofluoromethane	7.88	113	168571	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.32	98	610622	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	220989	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

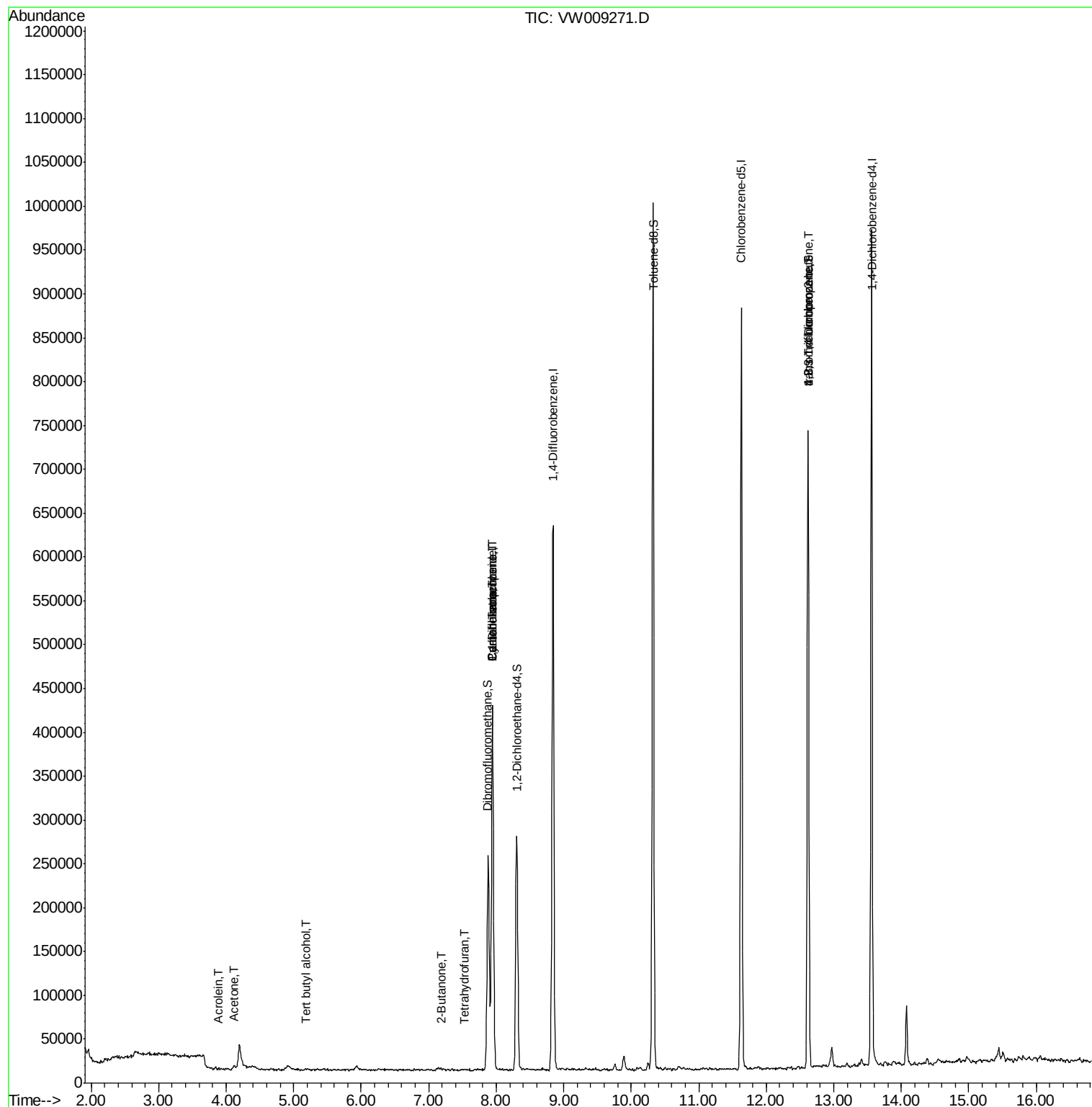
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	112	Below Cal	#	41
11) Tert butyl alcohol	5.18	59	767	4.101	ug/l #	84
13) Acrolein	3.89	56	332	2.175	ug/l #	15
16) Acetone	4.12	43	8411	12.725	ug/l	95
20) Methylene Chloride	4.92	84	2211	Below Cal		88
25) 2-Butanone	7.18	43	1921	2.028	ug/l #	69
29) Tetrahydrofuran	7.53	42	624	1.037	ug/l #	76
31) Cyclohexane	7.94	56	8618	1.630	ug/l #	38
36) 1,1-Dichloropropene	7.95	75	25394	5.066	ug/l #	51
38) Carbon Tetrachloride	7.95	117	30178	5.689	ug/l #	19
76) 1,2,3-Trichloropropane	12.62	75	121781	56.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	121781	138.699	ug/l #	7

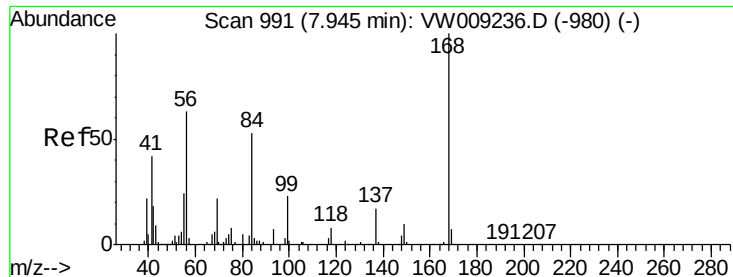
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009271.D

Acq: 20 Mar 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

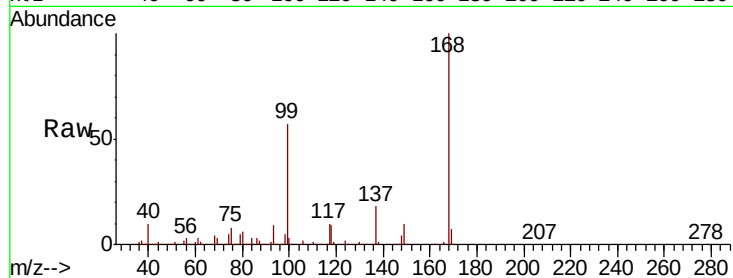
20190144-COMPOSITE-C

Tot Ion:168 Resp: 302889

Ion Ratio Lower Upper

168 100

99 56.5 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

150000

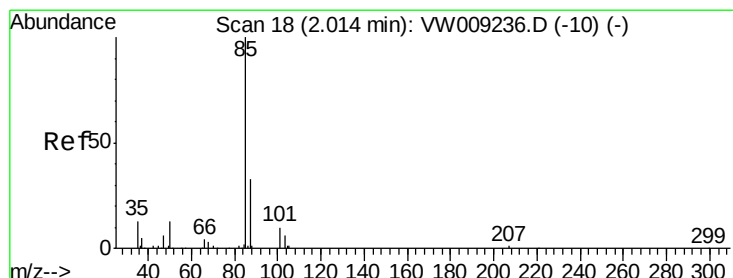
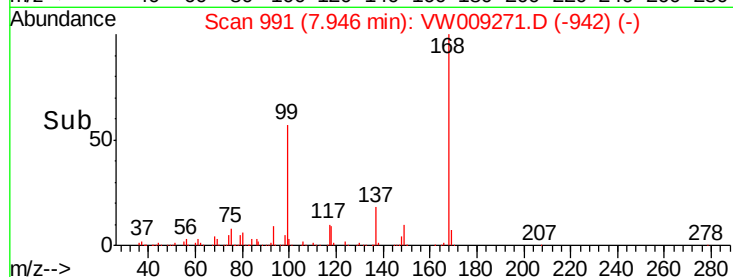
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009271.D

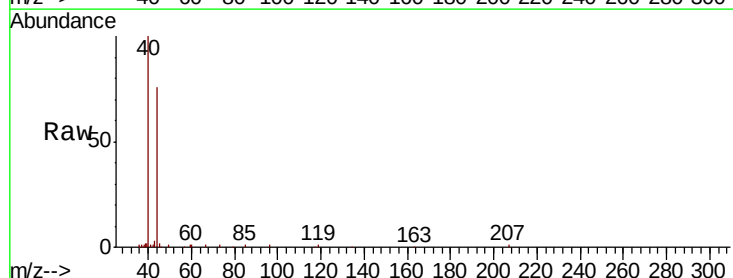
Acq: 20 Mar 2019 06:54

Tgt Ion: 85 Resp: 112

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150

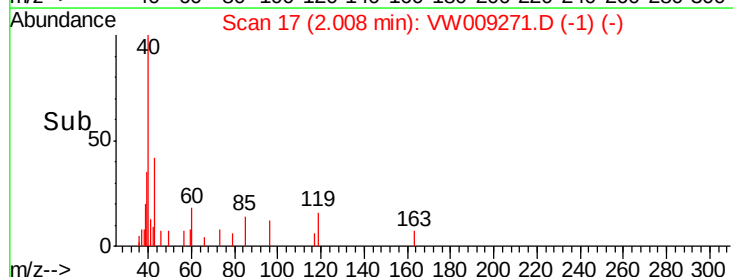
100

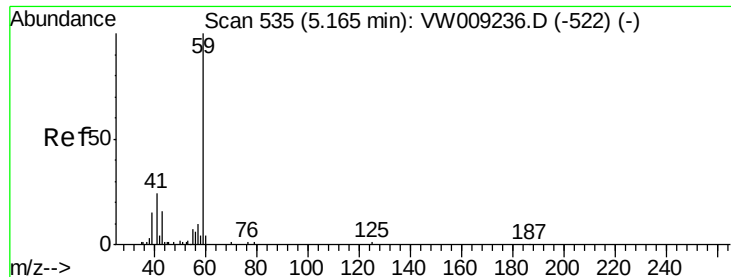
50

0

2.00 2.02

Time-->

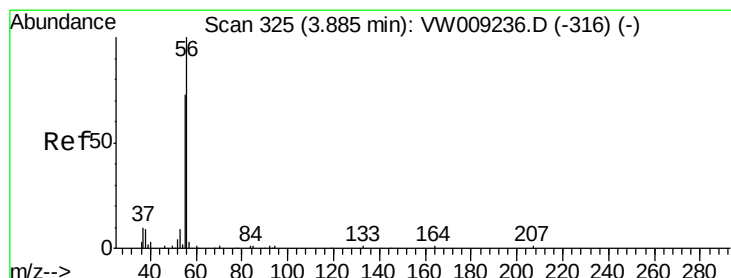
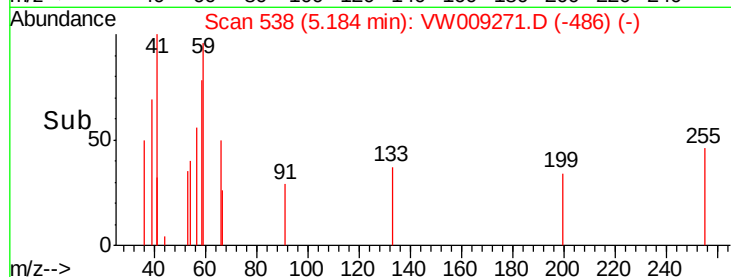
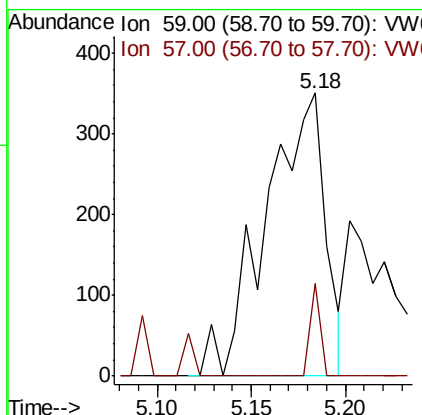
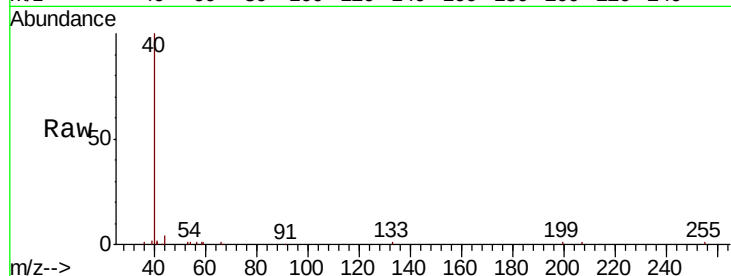




#11
Tert butyl alcohol
Concen: 4.101 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009271.D
Acq: 20 Mar 2019 06:54

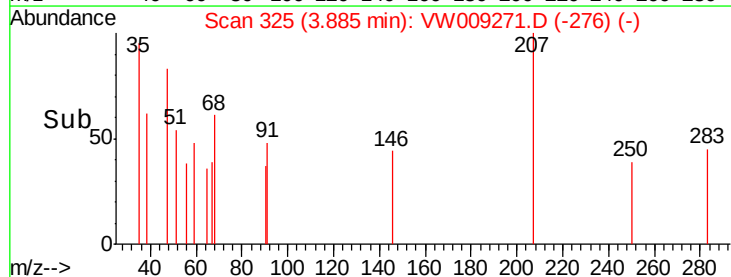
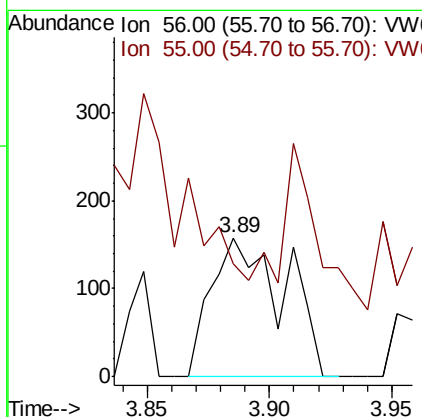
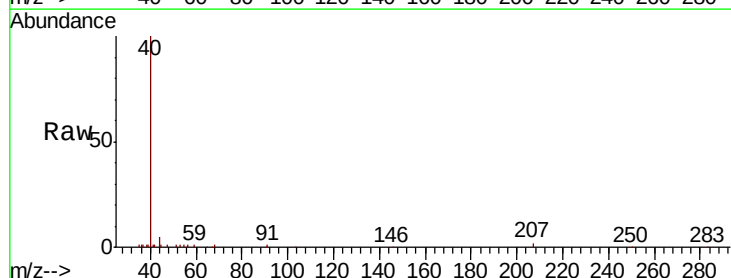
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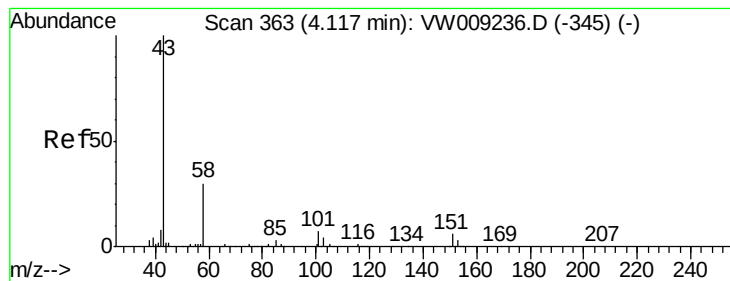
Tot Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 5.5 9.4 14.0#



#13
Acrolein
Concen: 2.175 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW009271.D
Acq: 20 Mar 2019 06:54

Tgt Ion: 56 Resp: 332
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#





#16

Acetone

Concen: 12.725 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

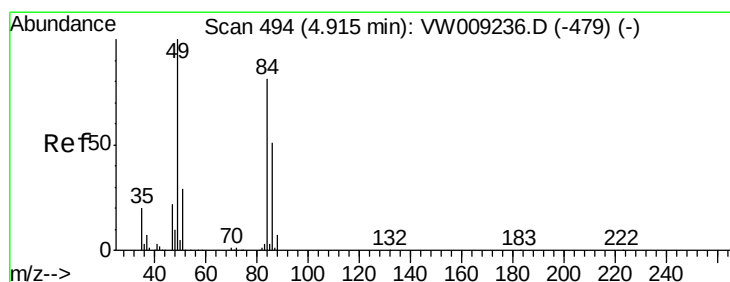
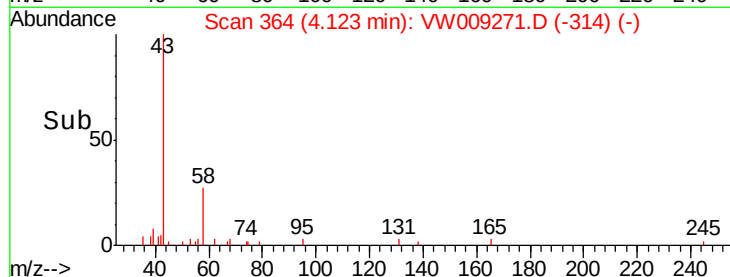
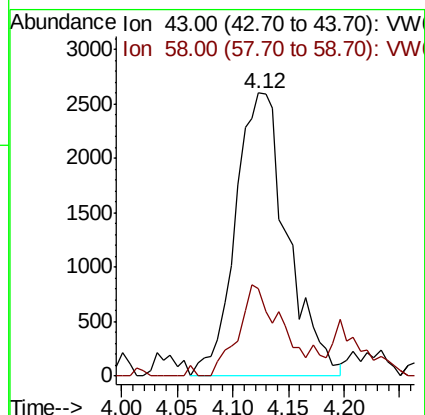
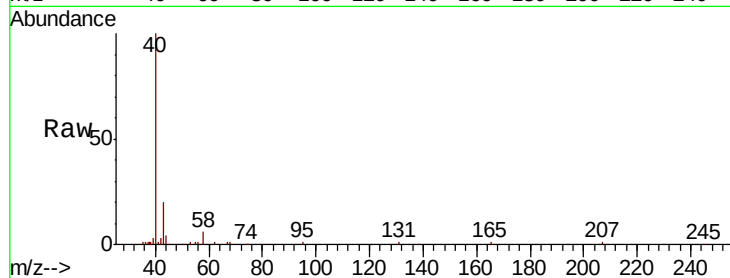
20190144-COMPOSITE-C

Tot Ion: 43 Resp: 8411

Ion Ratio Lower Upper

43 100

58 26.8 23.6 35.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

Tgt Ion: 84 Resp: 2211

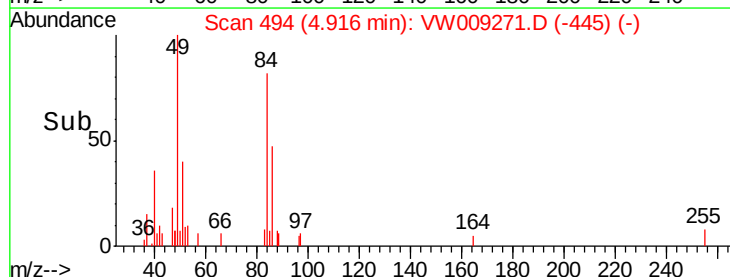
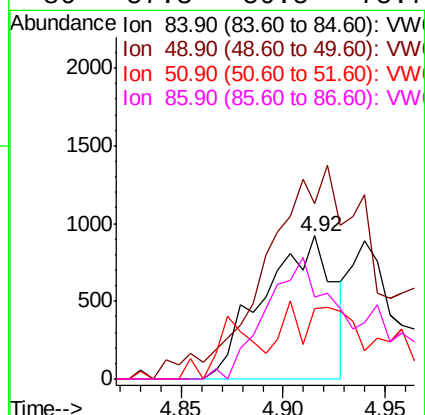
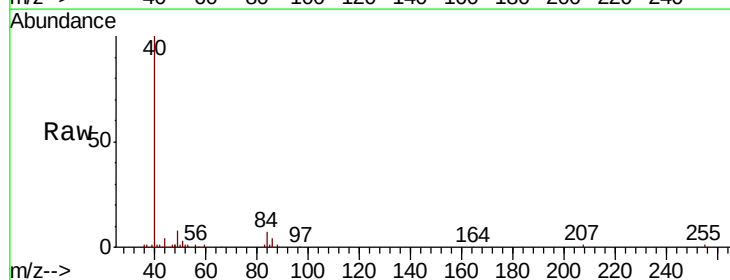
Ion Ratio Lower Upper

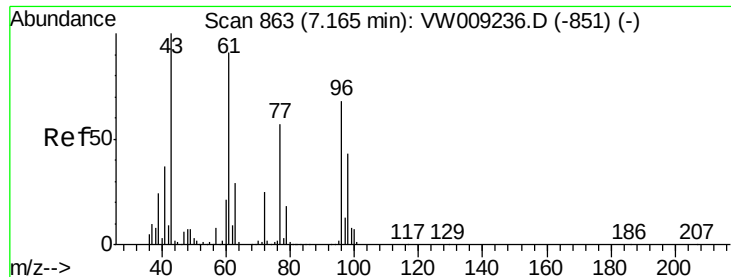
84 100

49 104.9 99.1 148.7

51 34.6 28.7 43.1

86 57.3 50.5 75.7





#25

2-Butanone

Concen: 2.028 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

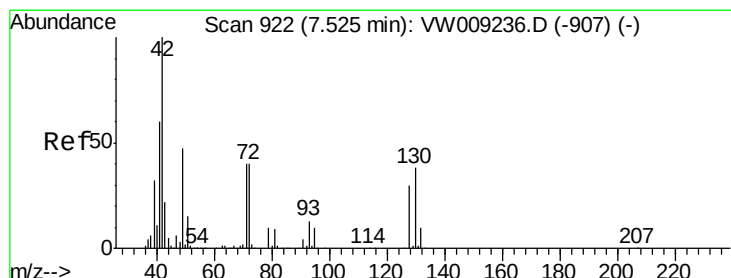
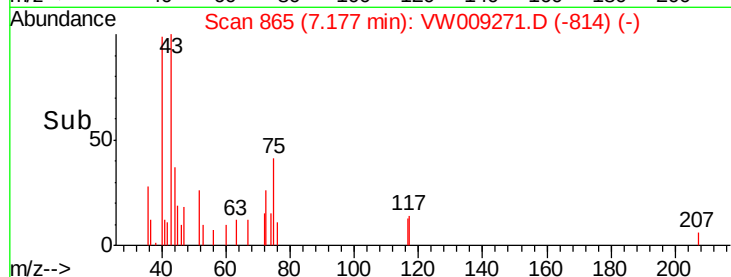
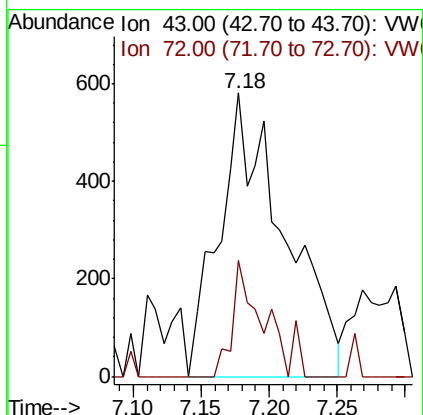
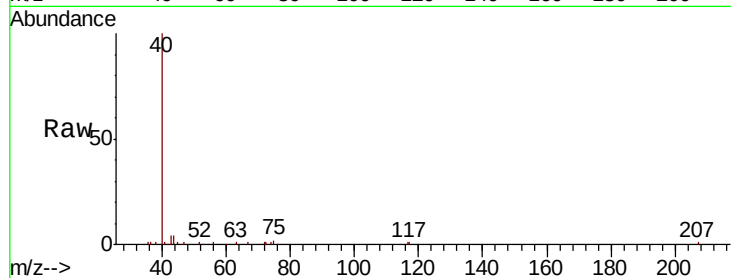
20190144-COMPOSITE-C

Tot Ion: 43 Resp: 1921

Ion Ratio Lower Upper

43 100

72 40.8 20.0 30.0#



#29

Tetrahydrofuran

Concen: 1.037 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

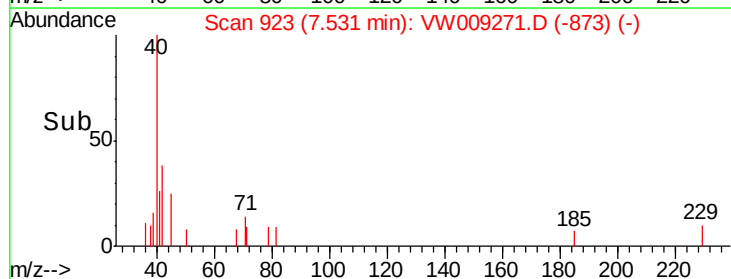
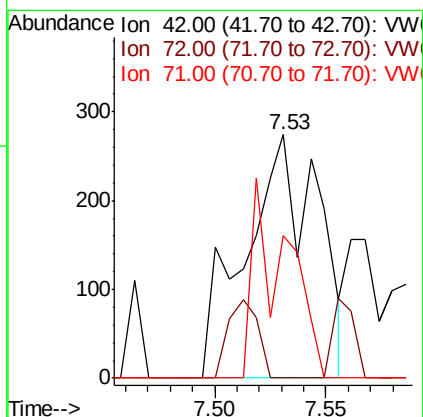
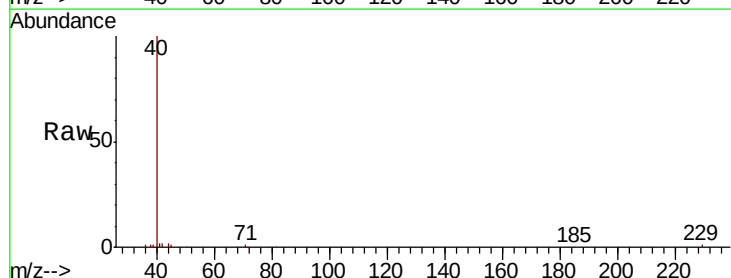
Tgt Ion: 42 Resp: 624

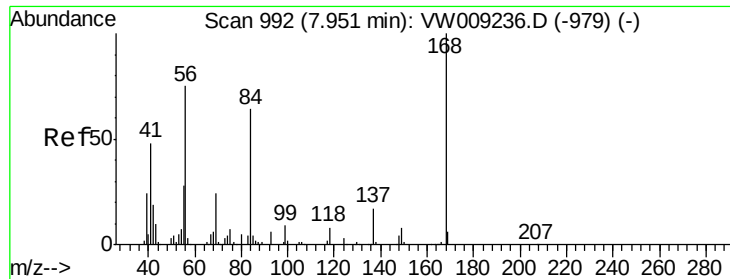
Ion Ratio Lower Upper

42 100

72 13.1 32.4 48.6#

71 38.8 30.1 45.1

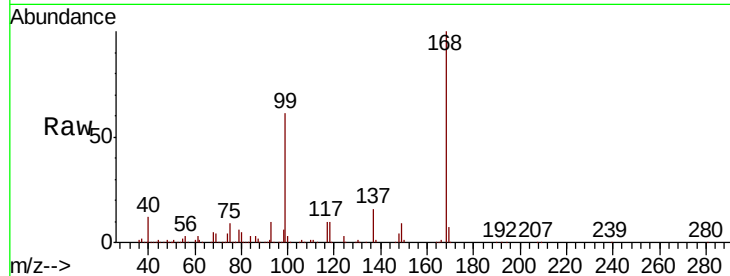




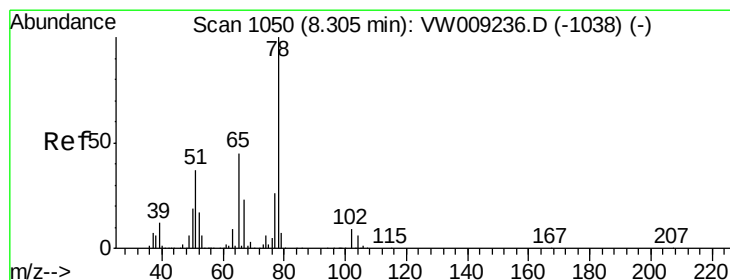
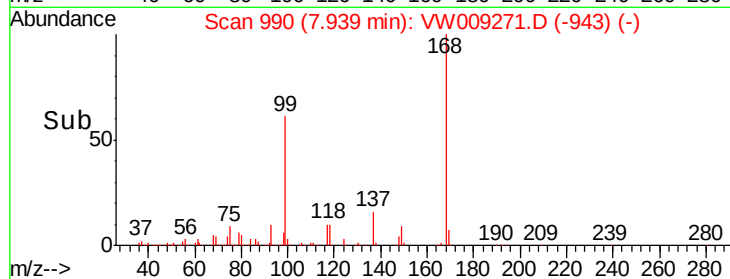
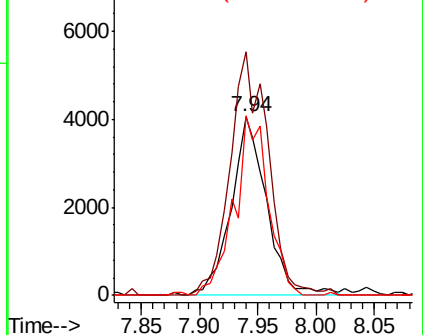
#31
Cyclohexane
Concen: 1.630 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009271.D
Acq: 20 Mar 2019 06:54

Instrument :
MSVOA_W
ClientSampleId :
20190144-COMPOSITE-C

Tot Ion: 56 Resp: 8618
Ion Ratio Lower Upper
56 100
69 136.1 26.1 39.1#
84 100.4 68.6 103.0

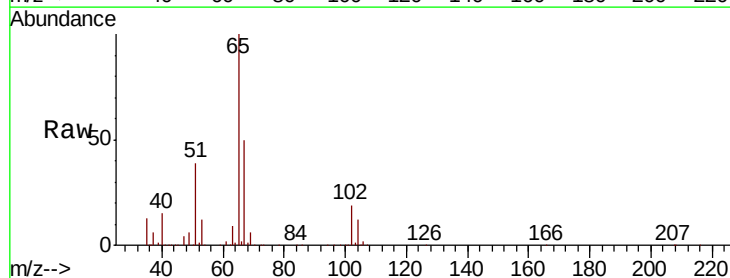


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

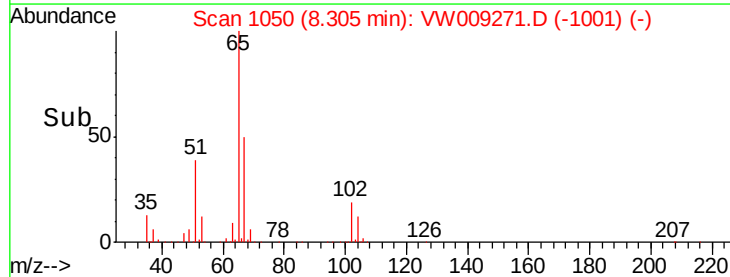
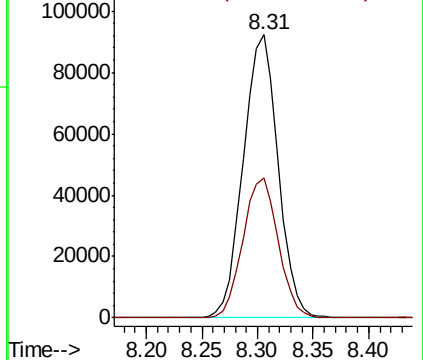


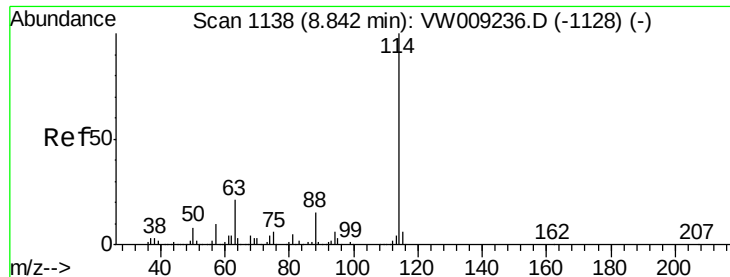
#33
1,2-Dichloroethane-d4
Concen: 62.450 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009271.D
Acq: 20 Mar 2019 06:54

Tgt Ion: 65 Resp: 201200
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.4



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

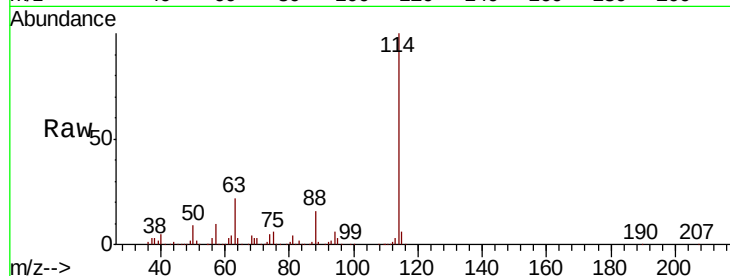




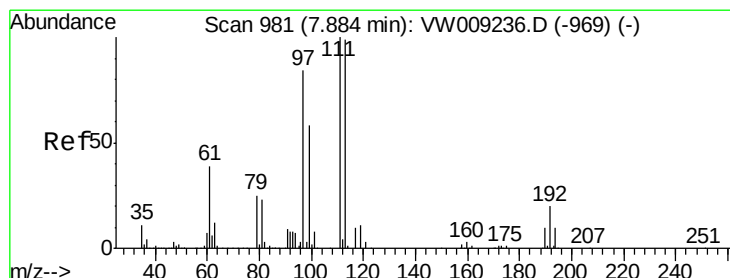
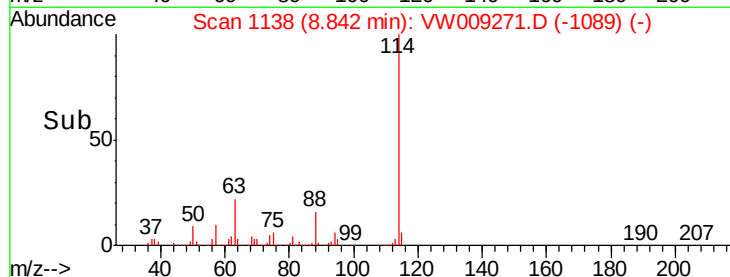
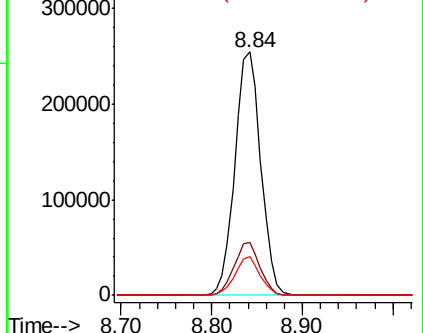
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009271.D
 Acq: 20 Mar 2019 06:54

Instrument :
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 20190144-COMPOSITE-C

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	42.2
88	15.8	0.0	30.8

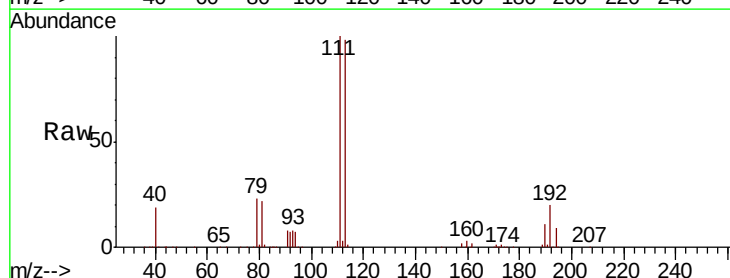


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

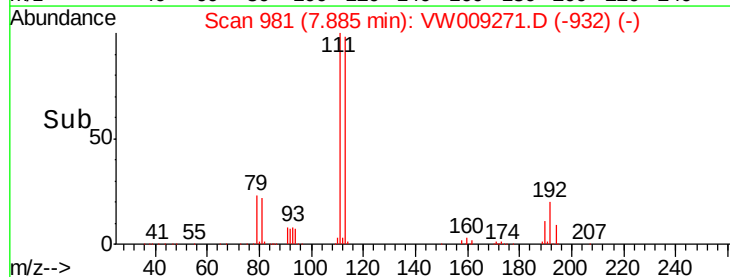
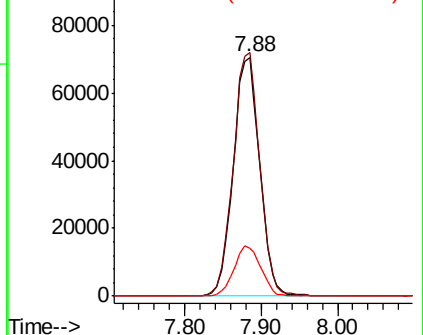


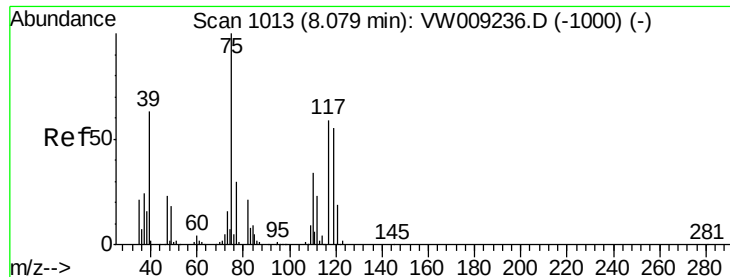
#35
 Dibromofluoromethane
 Concen: 52.759 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009271.D
 Acq: 20 Mar 2019 06:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	124.0
192	21.2	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

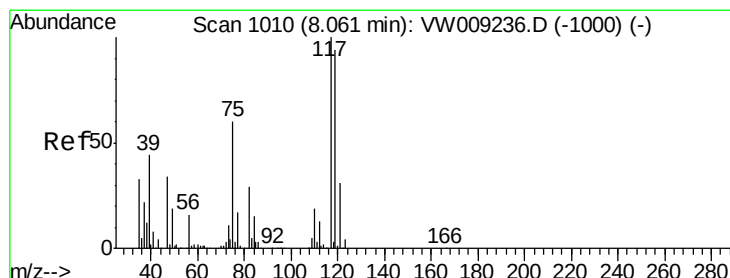
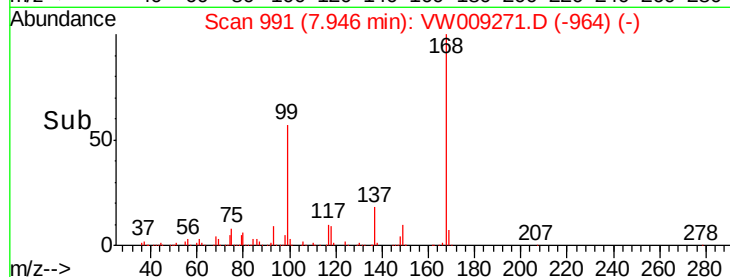
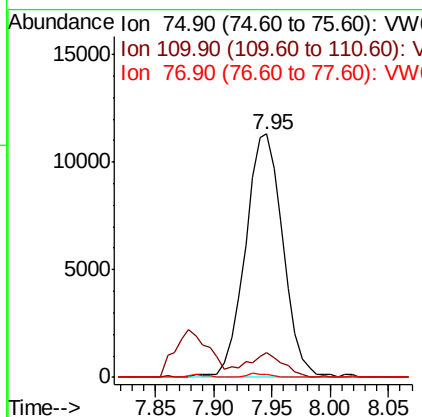
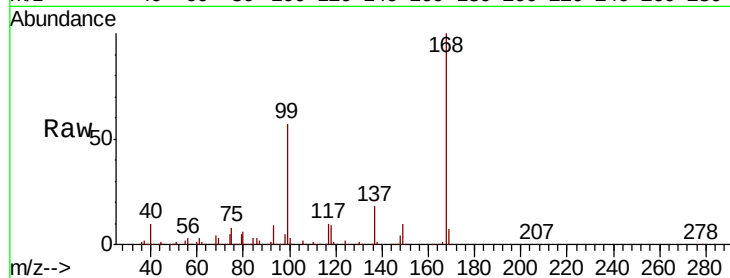




#36
 1,1-Dichloropropene
 Concen: 5.066 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009271.D
 Acq: 20 Mar 2019 06:54

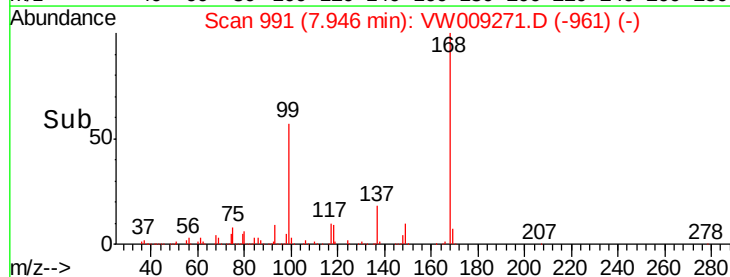
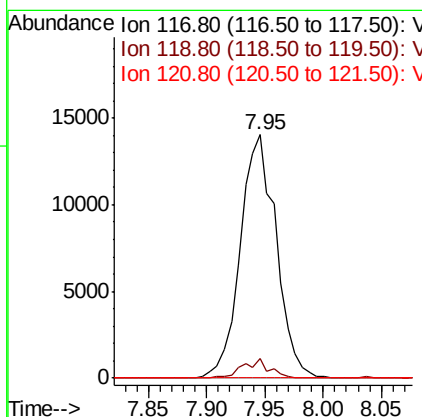
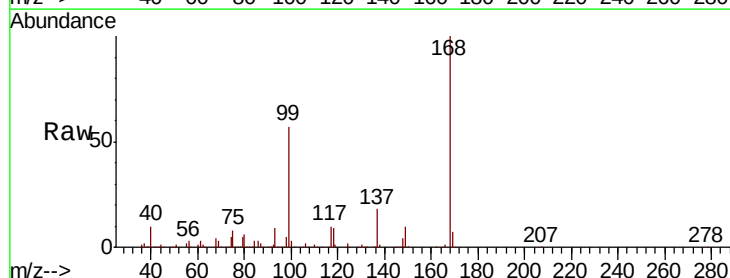
Instrument :
 MSVOA_W
 ClientSampleId :
 20190144-COMPOSITE-C

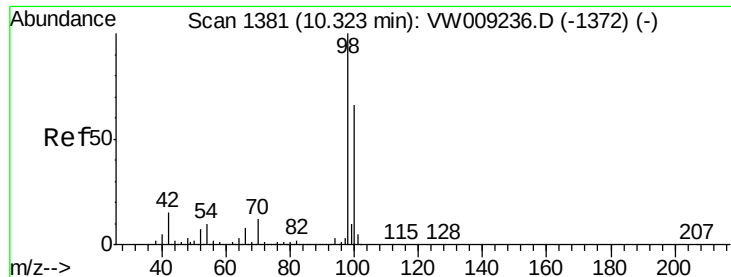
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.8	50.4#
77	0.9	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.689 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009271.D
 Acq: 20 Mar 2019 06:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.2	75.4	113.0#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 52.589 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

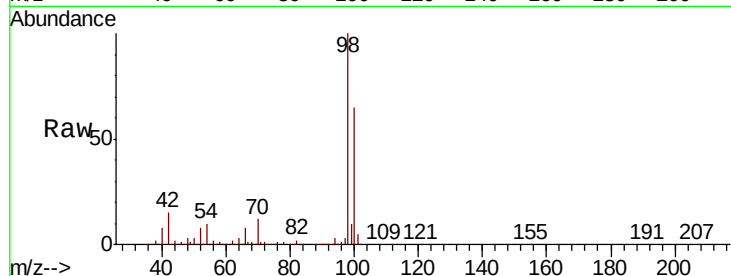
20190144-COMPOSITE-C

Tot Ion: 98 Resp: 610622

Ion Ratio Lower Upper

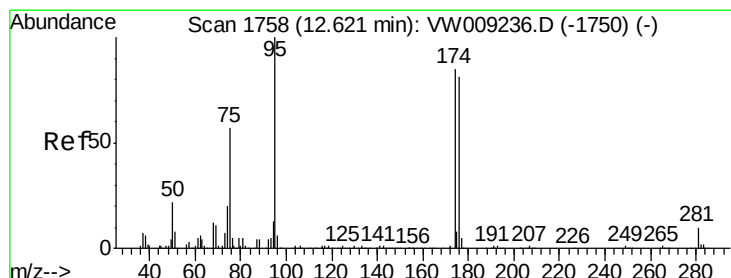
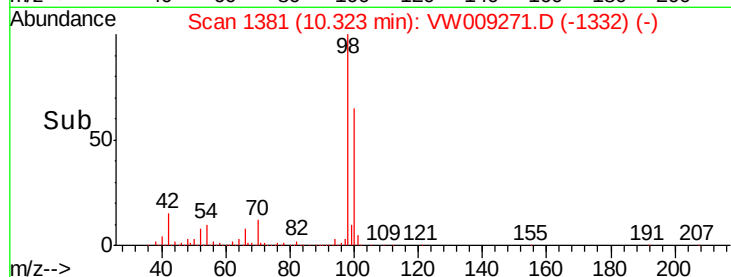
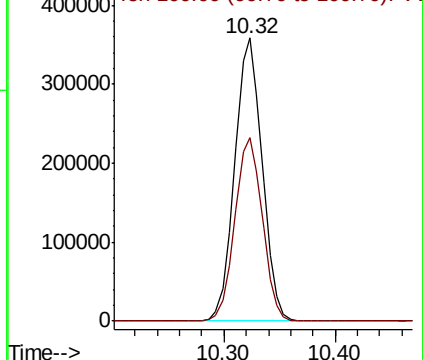
98 100

100 64.9 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 51.836 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

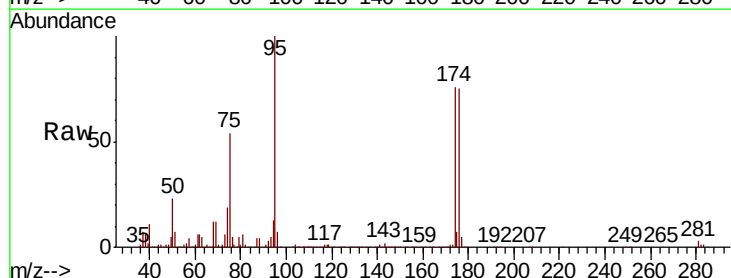
Tgt Ion: 95 Resp: 220989

Ion Ratio Lower Upper

95 100

174 82.8 0.0 168.4

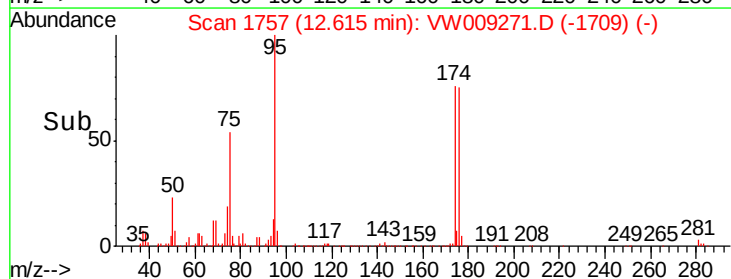
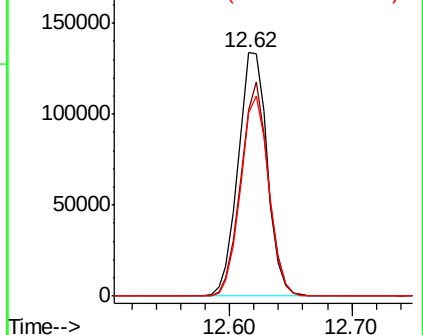
176 79.7 0.0 161.6

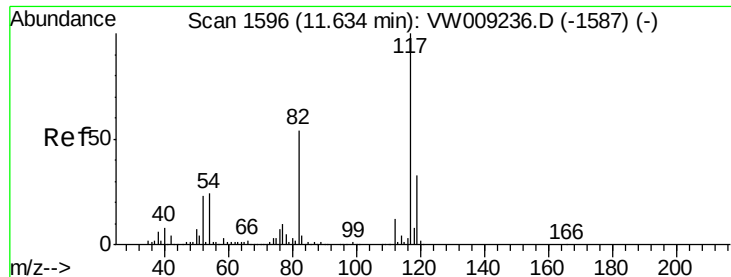


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

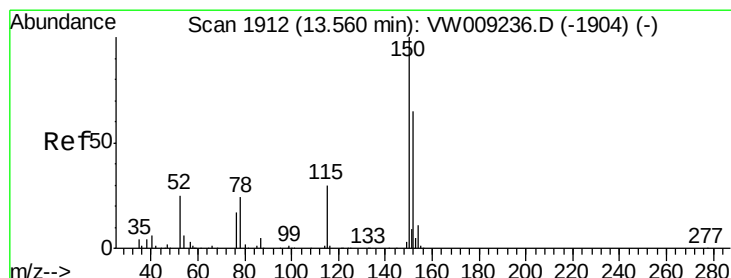
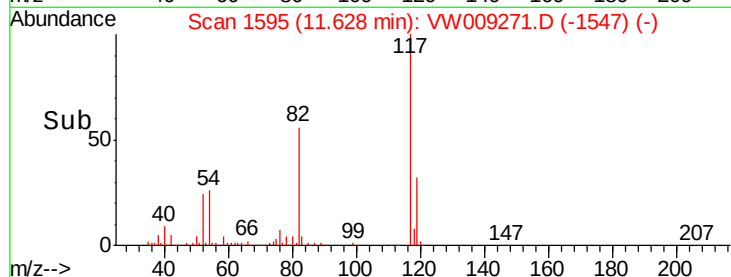
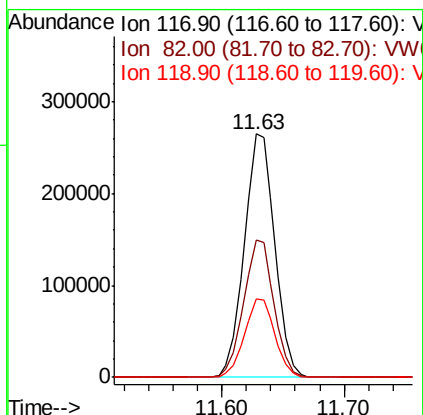
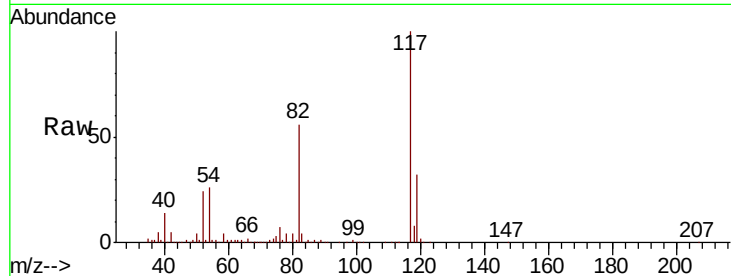




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009271.D
Acq: 20 Mar 2019 06:54

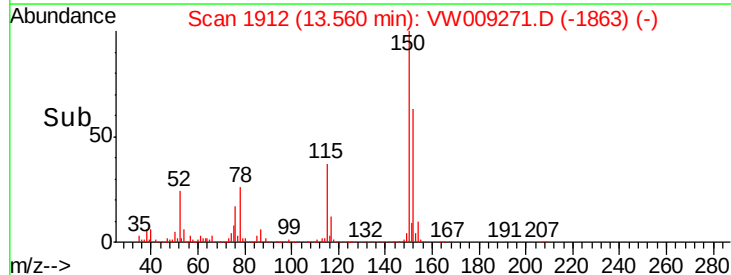
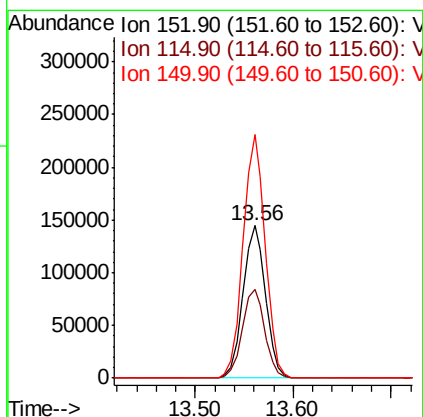
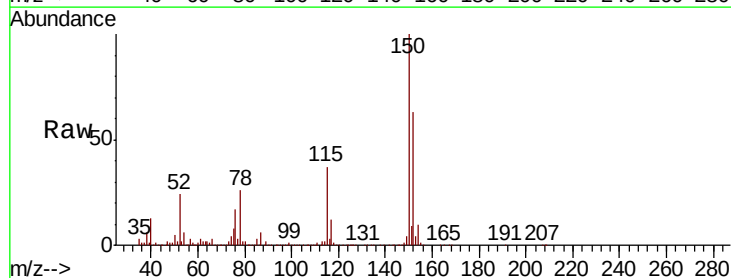
Instrument :
MSVOA_W
ClientSampleId :
20190144-COMPOSITE-C

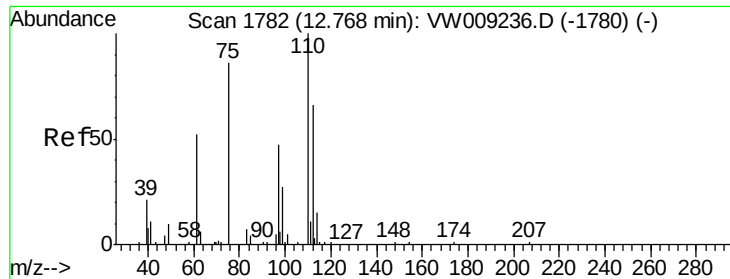
Tot Ion:117 Resp: 459034
Ion Ratio Lower Upper
117 100
82 56.5 43.6 65.4
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009271.D
Acq: 20 Mar 2019 06:54

Tgt Ion:152 Resp: 229260
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 157.2 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 56.526 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

Instrument :

MSVOA_W

ClientSampleId :

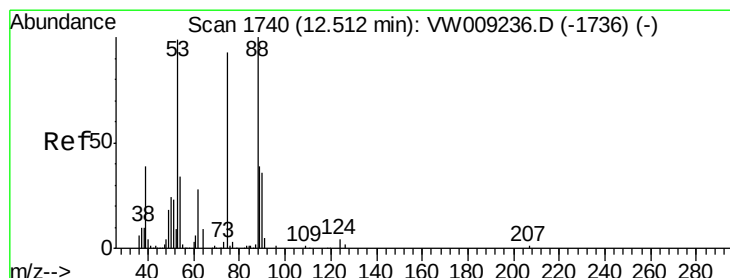
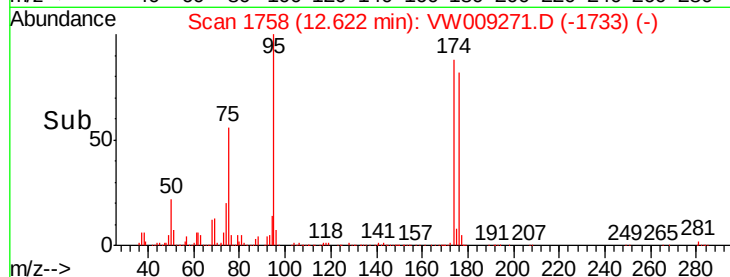
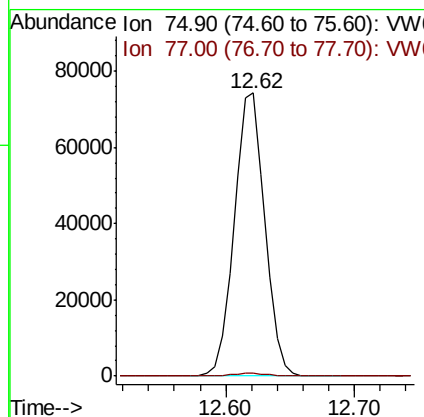
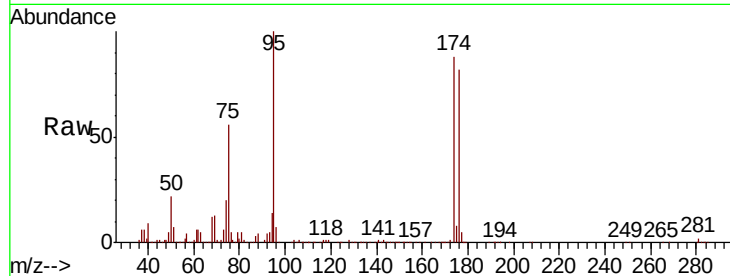
20190144-COMPOSITE-C

Tot Ion: 75 Resp: 121781

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.699 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009271.D

Acq: 20 Mar 2019 06:54

Tgt Ion: 75 Resp: 121781

Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.0 36.4 54.6#

