

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009274.D
 Acq On : 20 Mar 2019 08:14
 Operator : SY/VA
 Sample : K1987-05
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190147-COMPOSITE-F

Quant Time: Mar 20 09:14:07 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	284854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	430830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214442	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	184096	60.76	ug/l	0.00
Spiked Amount			Recovery	=	121.52%	
35) Dibromofluoromethane	7.88	113	155902	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.32	98	576153	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	205484	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	

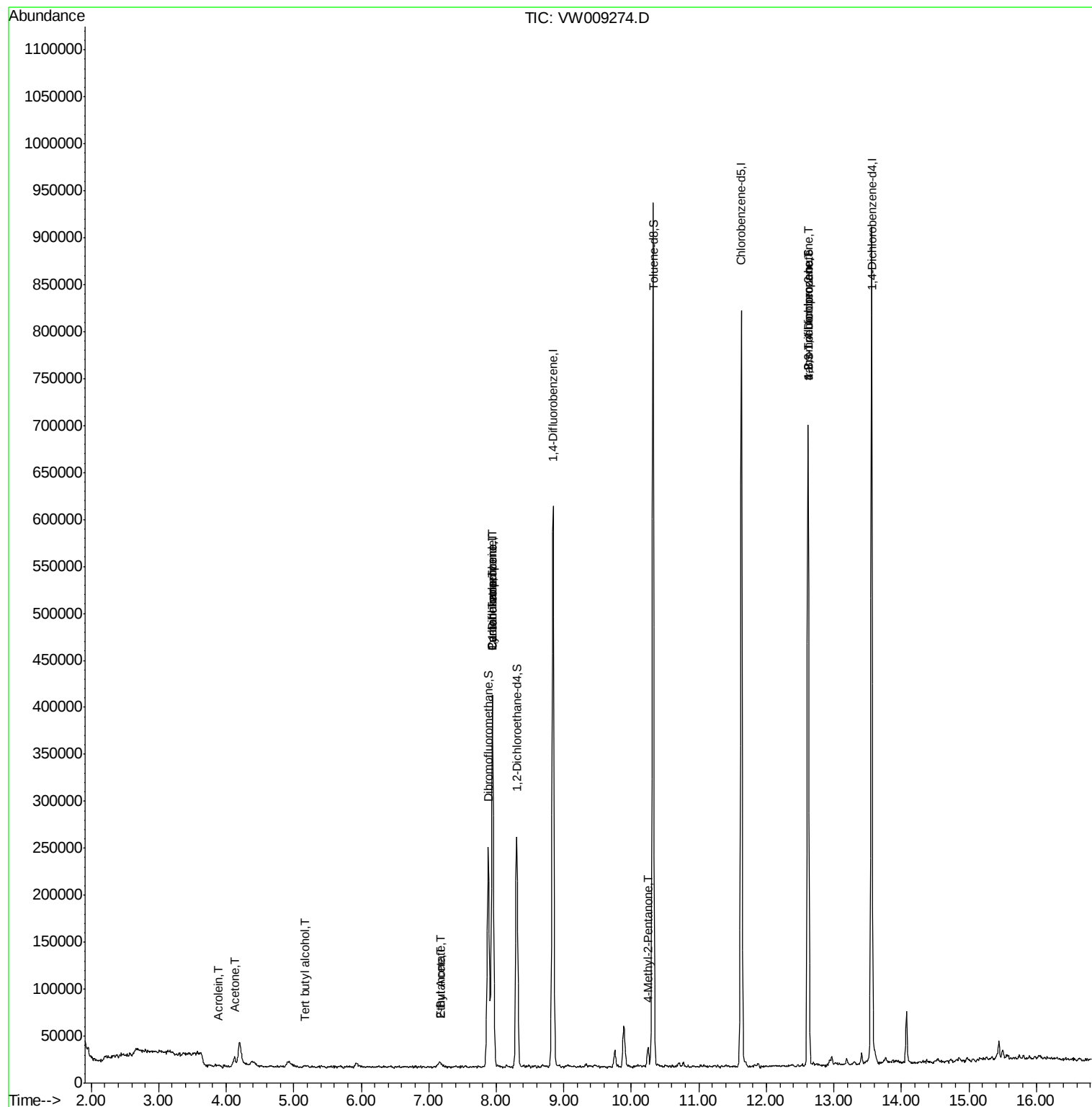
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	398	Below Cal	#	41
11) Tert butyl alcohol	5.17	59	402	2.285	ug/l #	70
13) Acrolein	3.88	56	287	1.999	ug/l #	32
16) Acetone	4.12	43	18011	28.974	ug/l	91
20) Methylene Chloride	4.91	84	4501	Below Cal	#	76
25) 2-Butanone	7.18	43	5729	6.432	ug/l #	88
31) Cyclohexane	7.94	56	7264	1.461	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	23536	5.023	ug/l #	50
37) Ethyl Acetate	7.18	43	5729	2.679	ug/l #	73
38) Carbon Tetrachloride	7.95	117	29197	5.888	ug/l #	18
51) 4-Methyl-2-Pentanone	10.25	43	3148	1.411	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	112076	55.616	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	112076	136.466	ug/l #	7

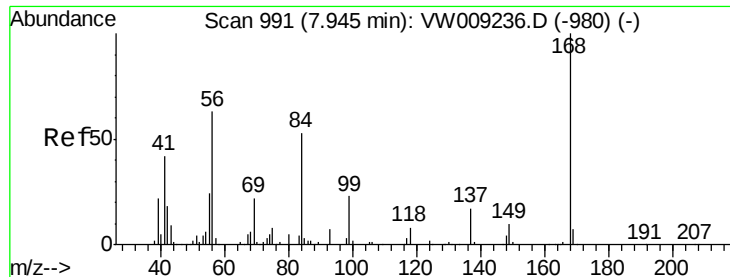
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009274.D

Acq: 20 Mar 2019 08:14

Instrument :

MSVOA_W

ClientSampleId :

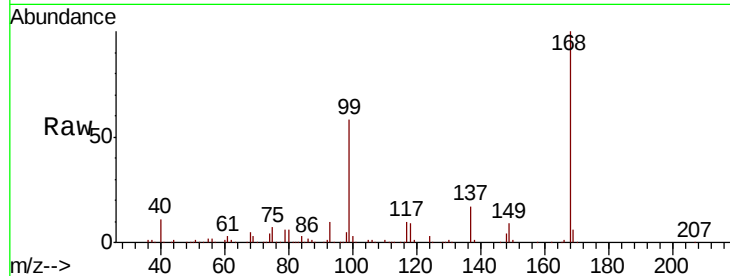
20190147-COMPOSITE-F

Tot Ion:168 Resp: 284854

Ion Ratio Lower Upper

168 100

99 57.6 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

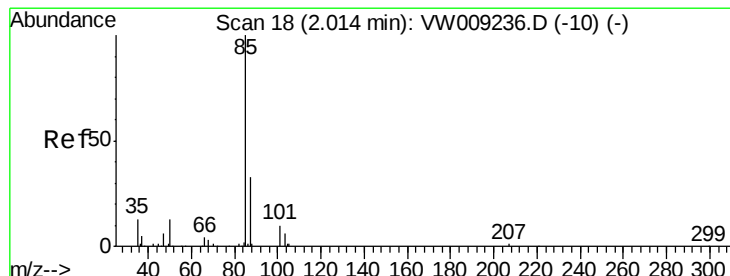
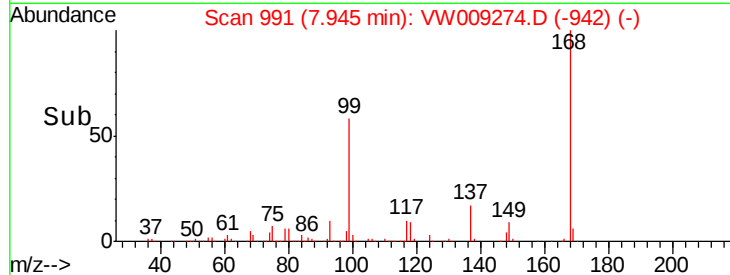
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW009274.D

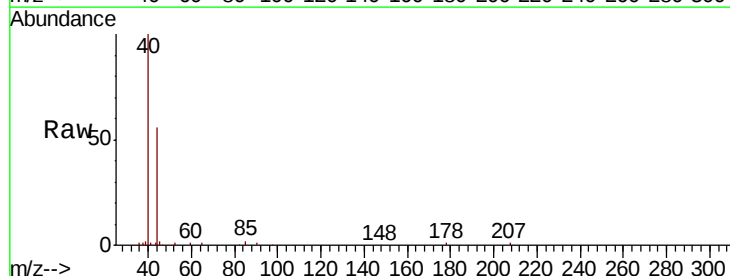
Acq: 20 Mar 2019 08:14

Tgt Ion: 85 Resp: 398

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

2.02

250

200

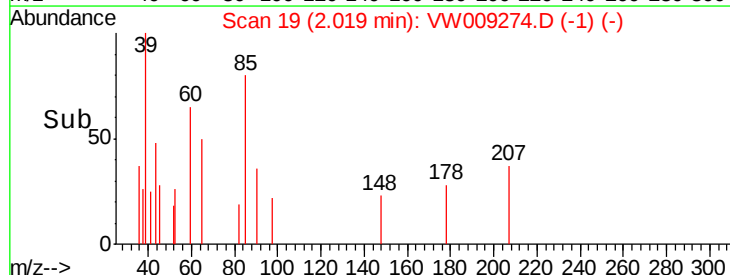
150

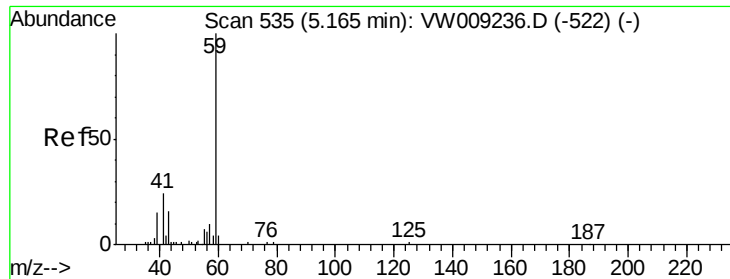
100

50

0

Time-->

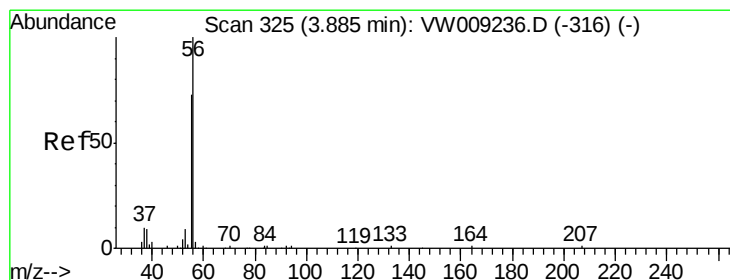
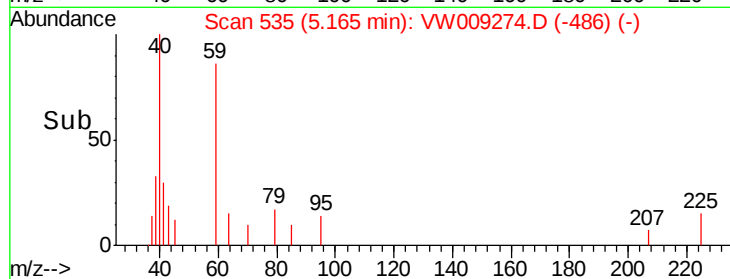
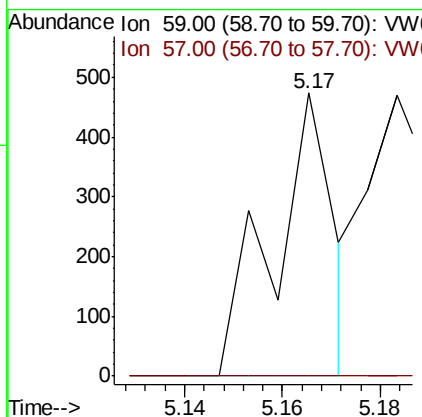
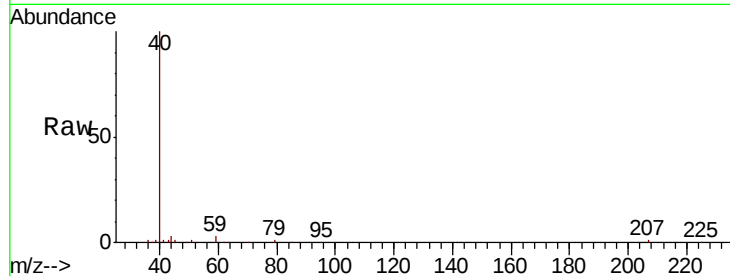




#11
Tert butyl alcohol
Concen: 2.285 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

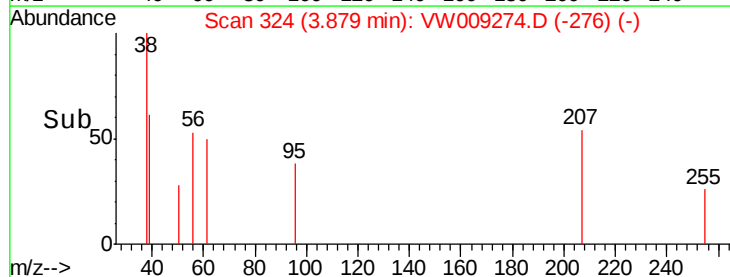
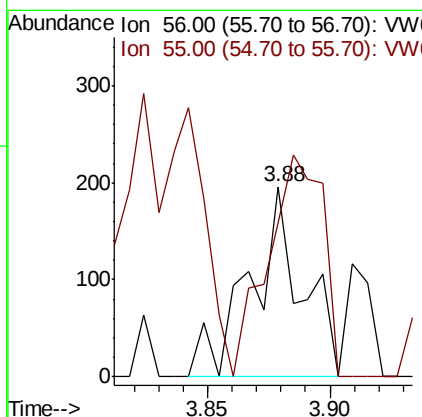
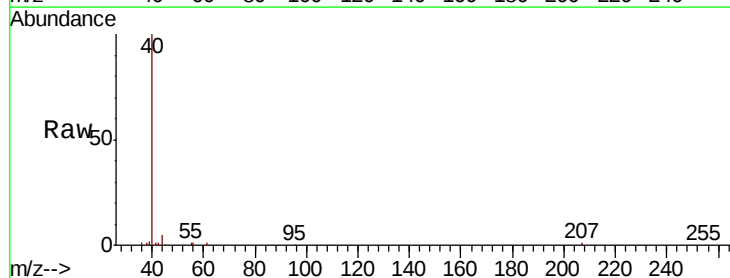
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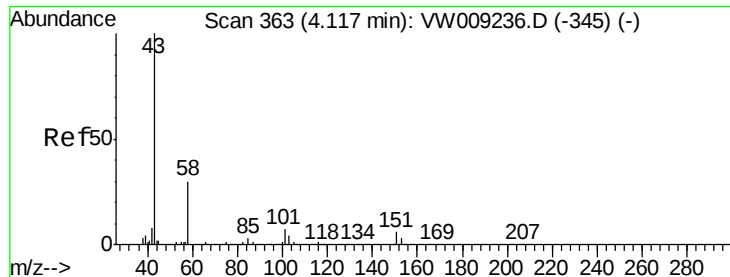
Tot Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.0#



#13
Acrolein
Concen: 1.999 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 124.4 55.2 82.8#

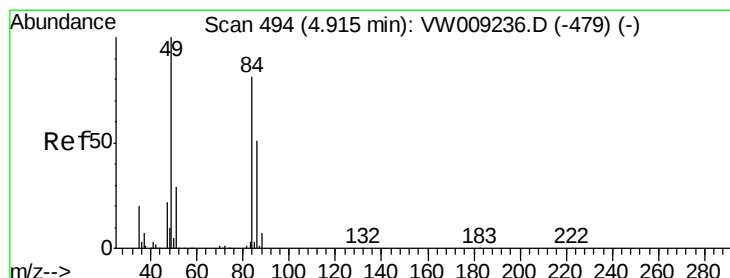
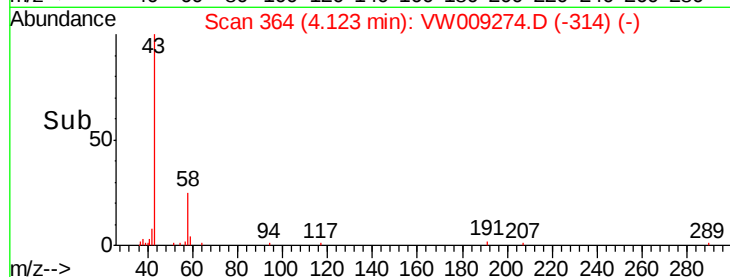
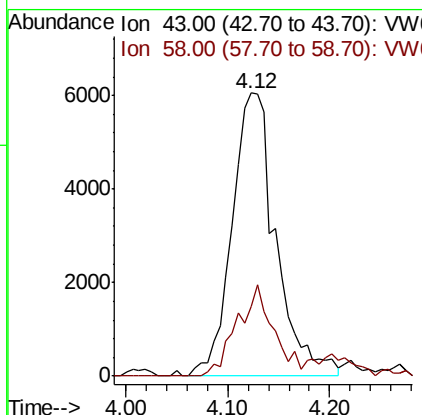
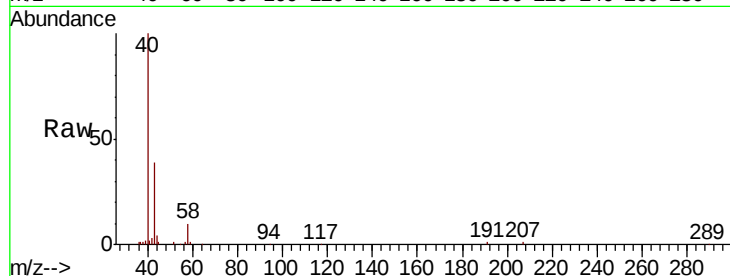




#16
Acetone
Concen: 28.974 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

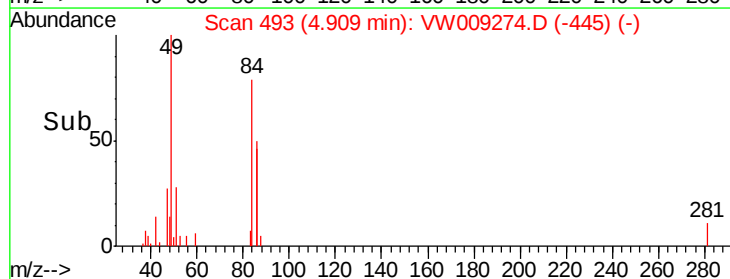
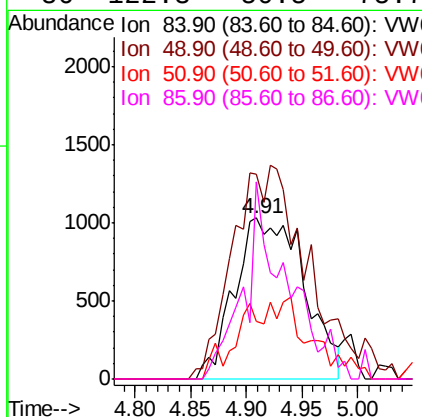
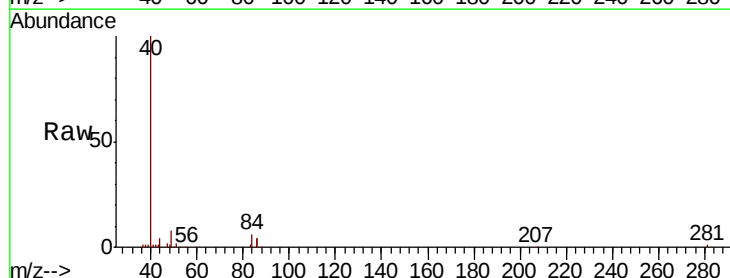
Instrument :
MSVOA_W
ClientSampleId :
20190147-COMPOSITE-F

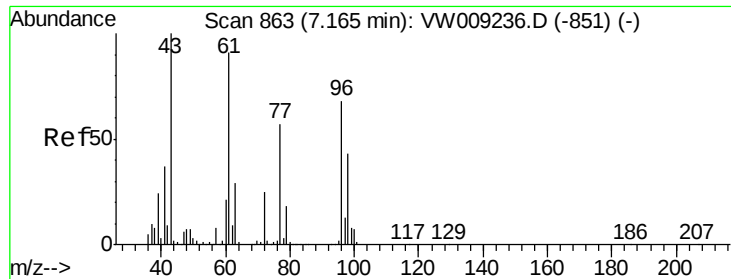
Tot Ion: 43 Resp: 18011
Ion Ratio Lower Upper
43 100
58 24.7 23.6 35.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

Tgt Ion: 84 Resp: 4501
Ion Ratio Lower Upper
84 100
49 118.5 99.1 148.7
51 35.7 28.7 43.1
86 122.3 50.5 75.7#





#25

2-Butanone

Concen: 6.432 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009274.D

Acq: 20 Mar 2019 08:14

Instrument :

MSVOA_W

ClientSampleId :

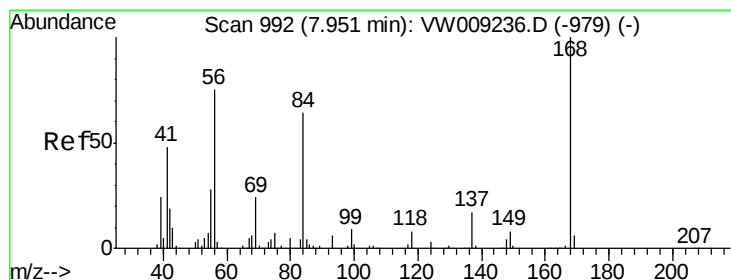
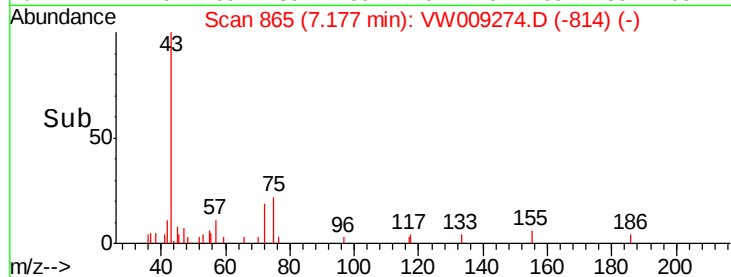
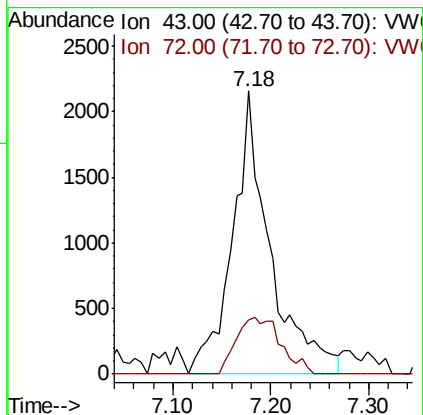
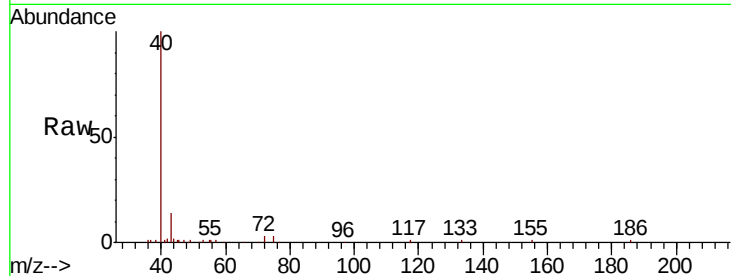
20190147-COMPOSITE-F

Tot Ion: 43 Resp: 5729

Ion Ratio Lower Upper

43 100

72 19.0 20.0 30.0#



#31

Cyclohexane

Concen: 1.461 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009274.D

Acq: 20 Mar 2019 08:14

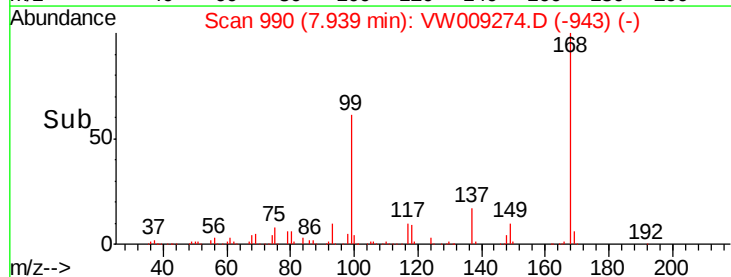
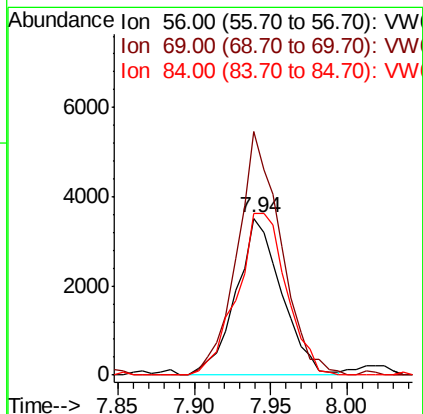
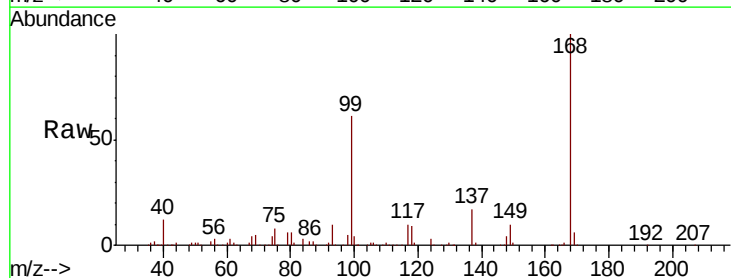
Tgt Ion: 56 Resp: 7264

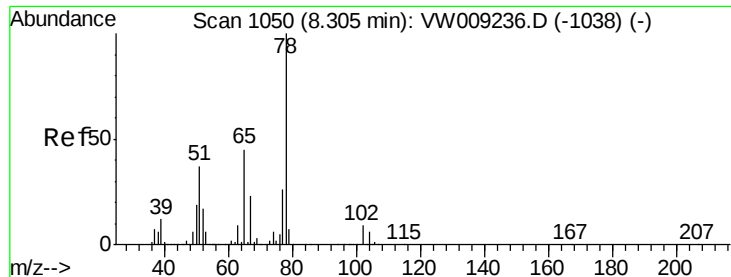
Ion Ratio Lower Upper

56 100

69 155.4 26.1 39.1#

84 103.1 68.6 103.0#

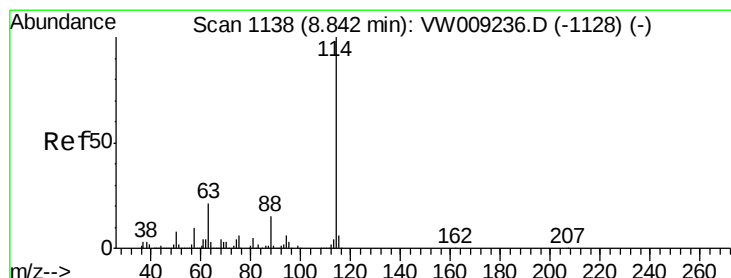
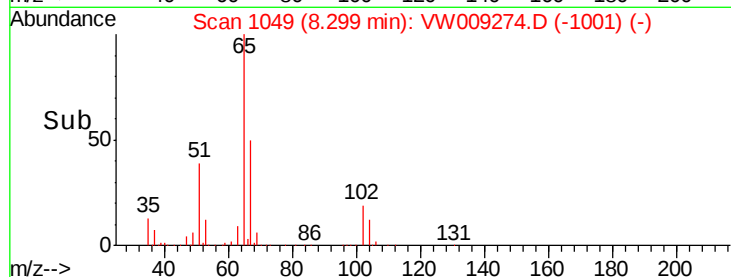
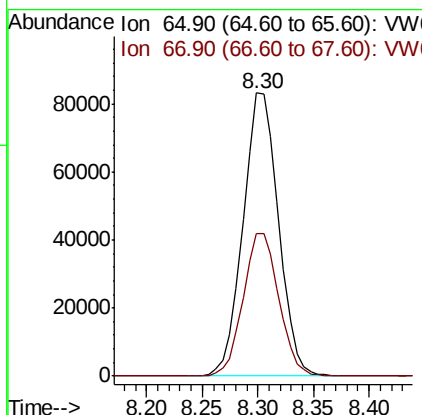
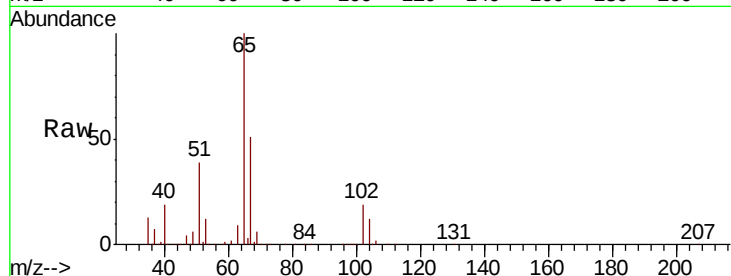




#33
 1,2-Dichloroethane-d4
 Concen: 60.759 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009274.D
 Acq: 20 Mar 2019 08:14

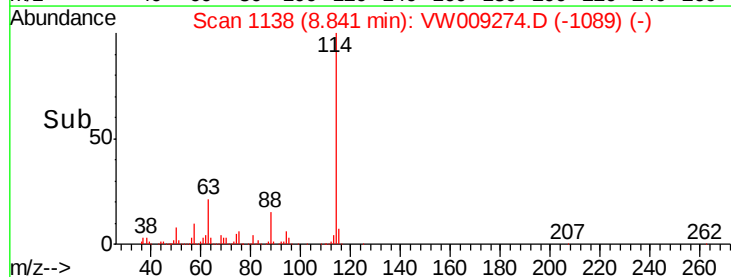
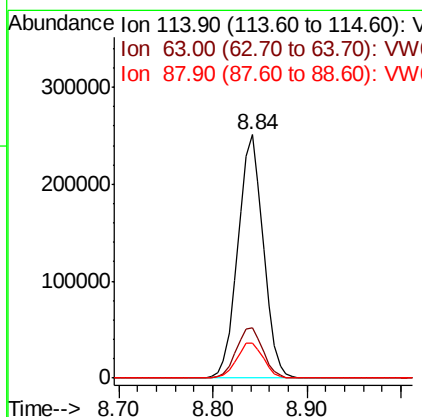
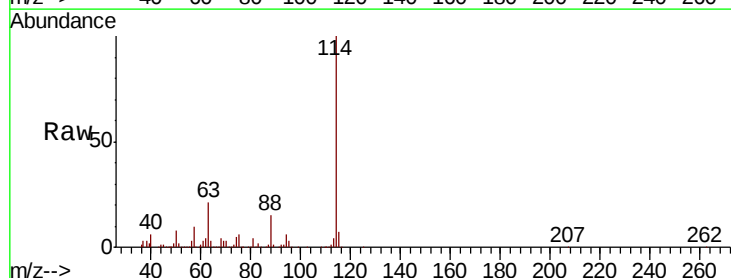
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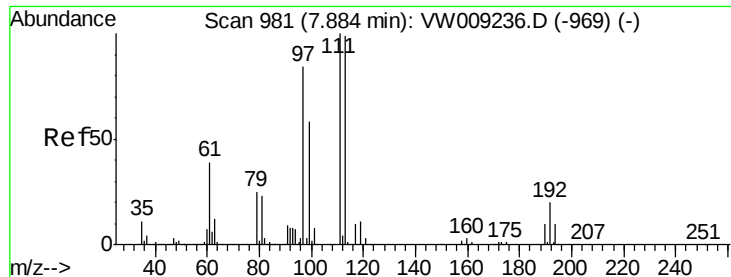
Tot Ion: 65 Resp: 184096
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009274.D
 Acq: 20 Mar 2019 08:14

Tgt Ion: 114 Resp: 470872
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.2
 88 14.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.194 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009274.D

Acq: 20 Mar 2019 08:14

Instrument :

MSVOA_W

ClientSampleId :

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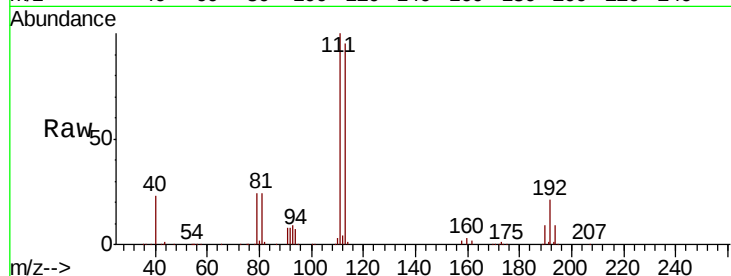
Tot Ion:113 Resp: 155902

Ion Ratio Lower Upper

113 100

111 105.2 82.6 124.0

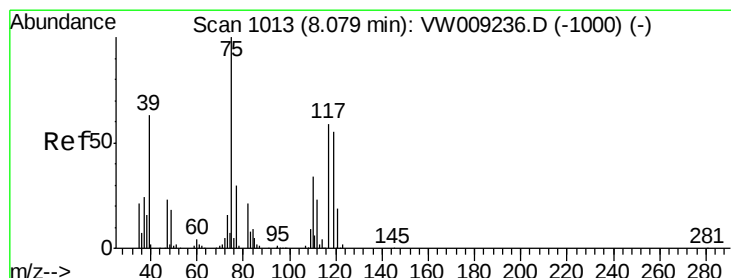
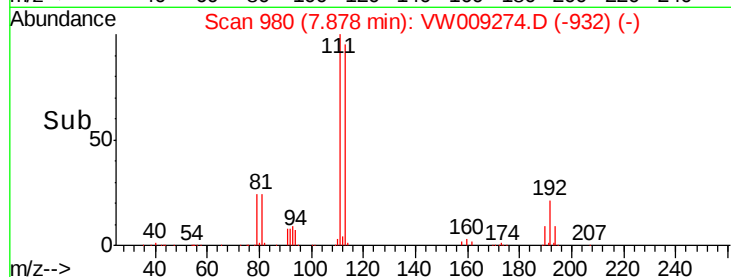
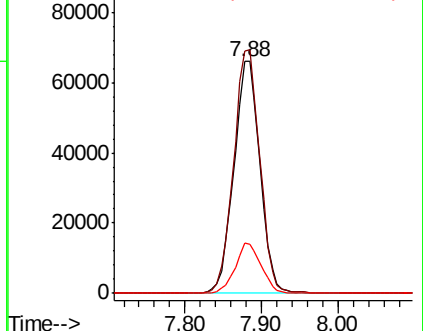
192 21.4 16.4 24.6



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: 5.023 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009274.D

Acq: 20 Mar 2019 08:14

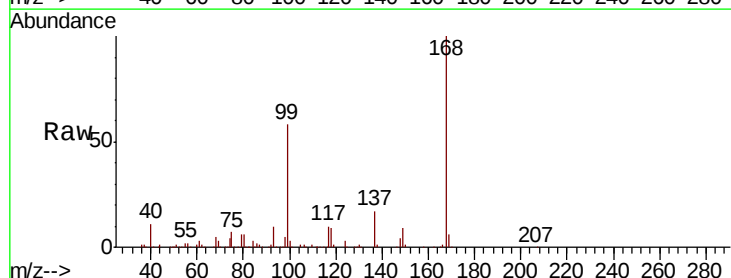
Tgt Ion: 75 Resp: 23536

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.4#

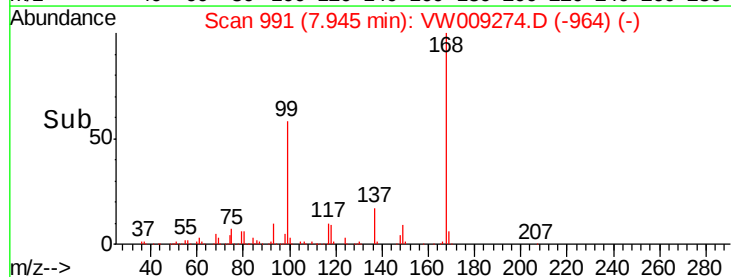
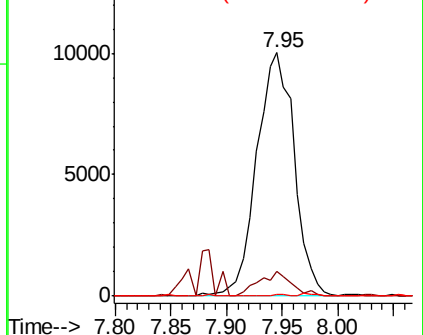
77 0.2 24.6 36.8#

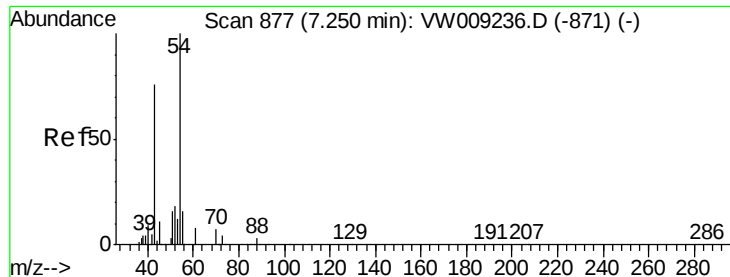


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

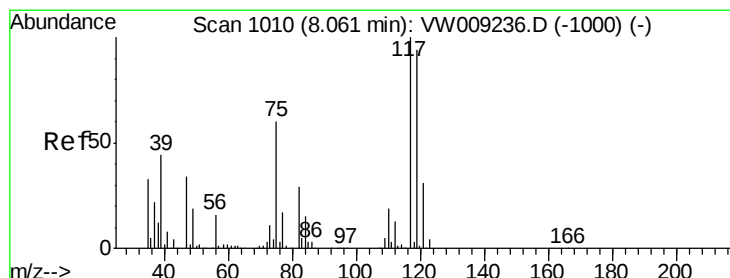
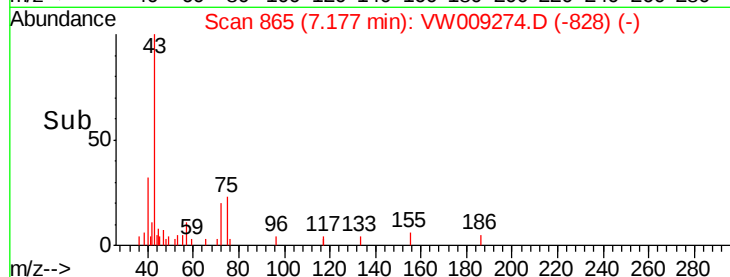
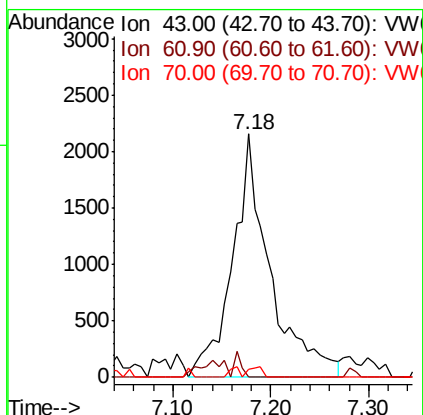
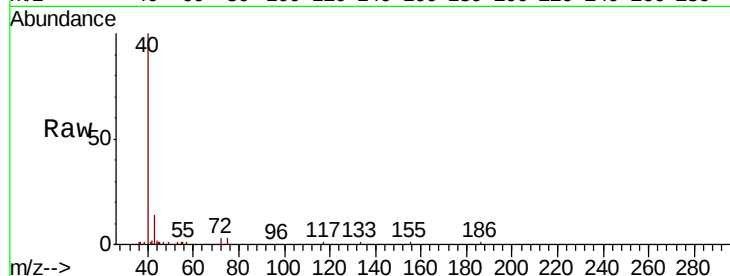




#37
Ethyl Acetate
Concen: 2.679 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

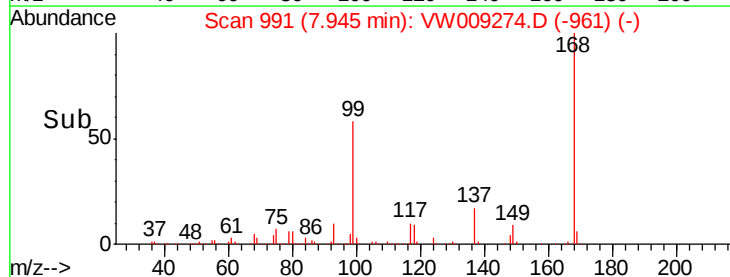
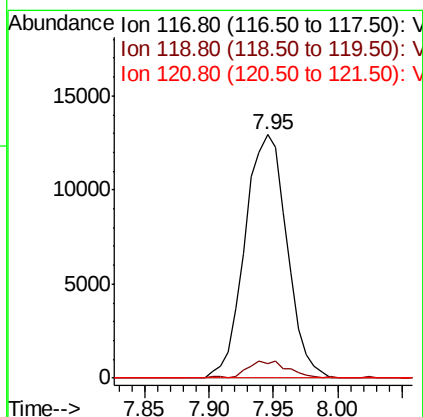
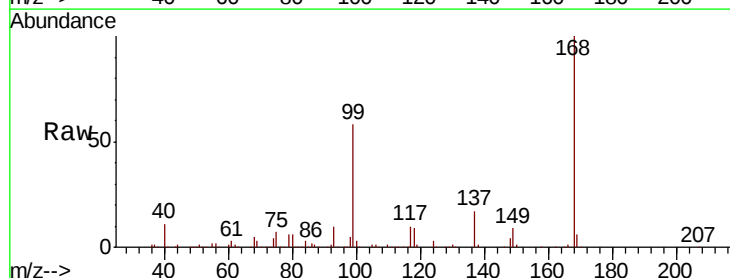
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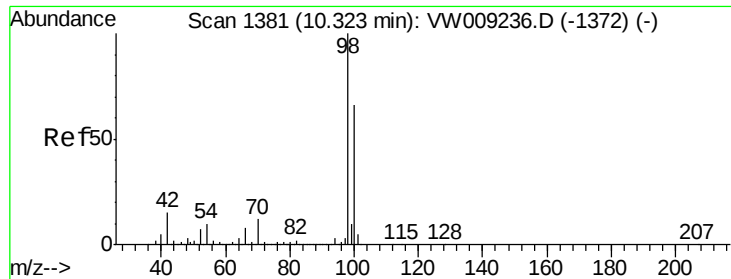
Tot Ion: 43 Resp: 5729
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 1.6 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

Tgt Ion: 117 Resp: 29197
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.0#
121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 53.078 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009274.D

Acq: 20 Mar 2019 08:14

Instrument :

MSVOA_W

ClientSampleId :

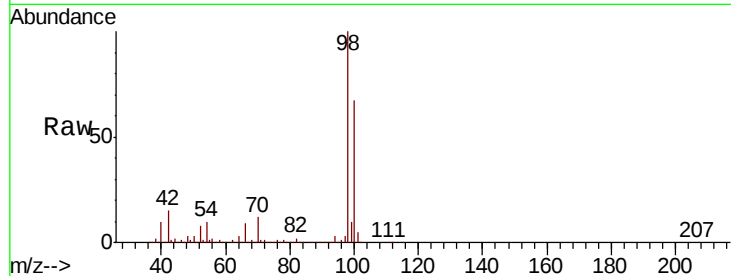
20190147-COMPOSITE-F

Tot Ion: 98 Resp: 576153

Ion Ratio Lower Upper

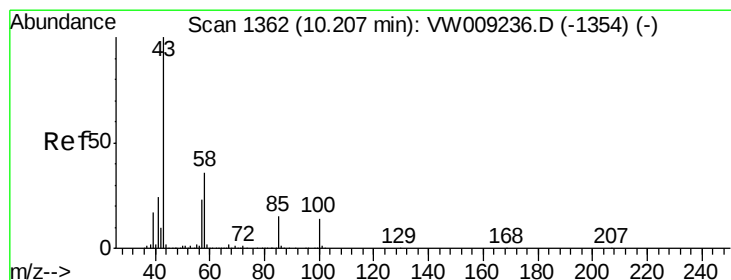
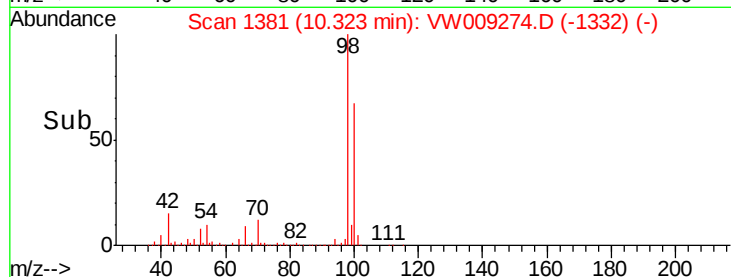
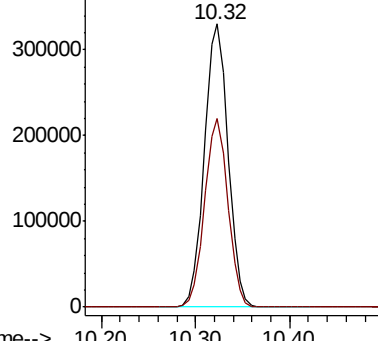
98 100

100 65.7 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: 1.411 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW009274.D

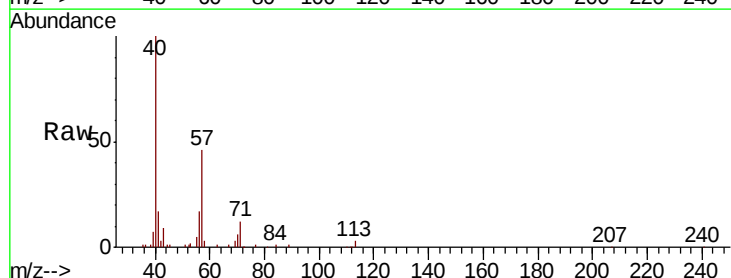
Acq: 20 Mar 2019 08:14

Tgt Ion: 43 Resp: 3148

Ion Ratio Lower Upper

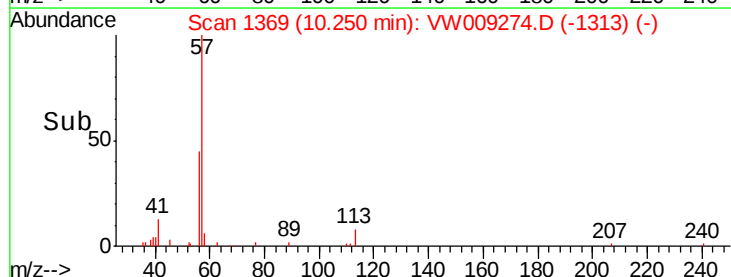
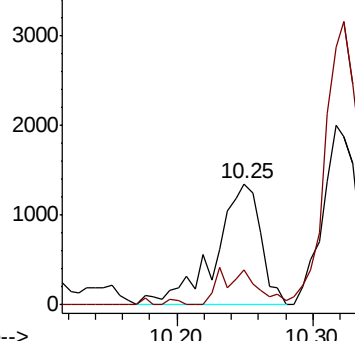
43 100

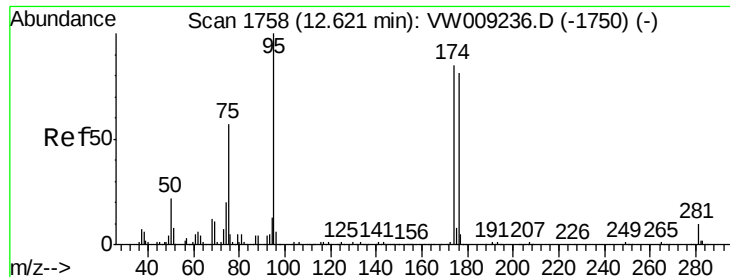
58 8.5 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

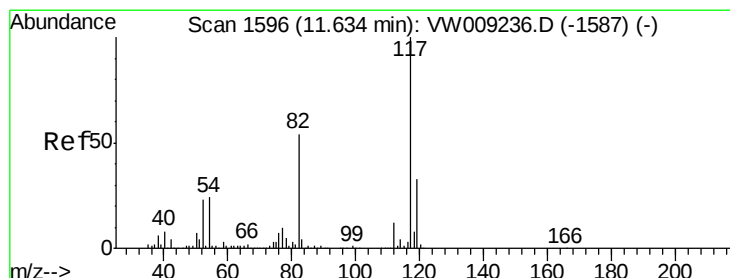
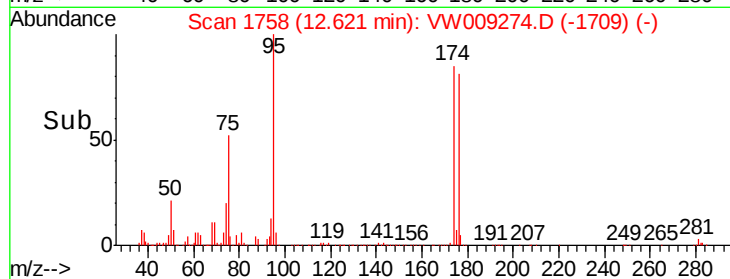
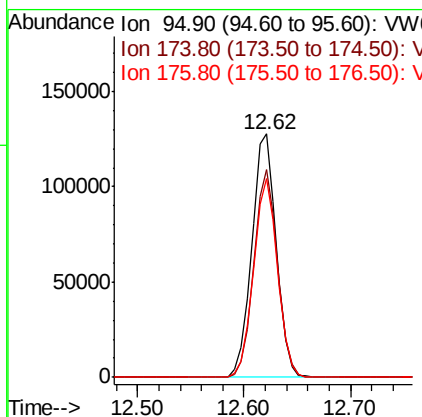
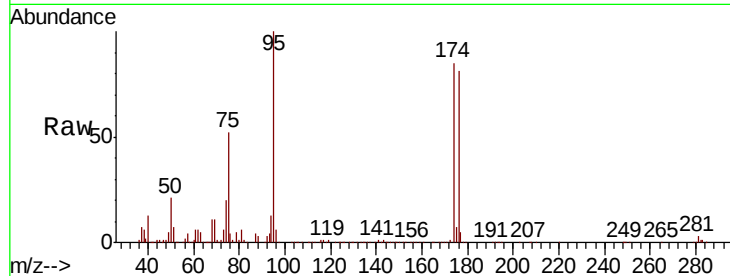




#62
4-Bromofluorobenzene
Concen: 51.558 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

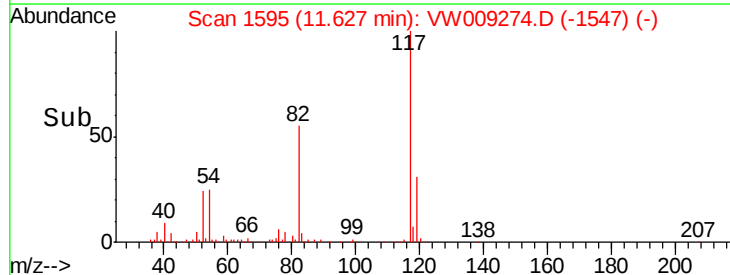
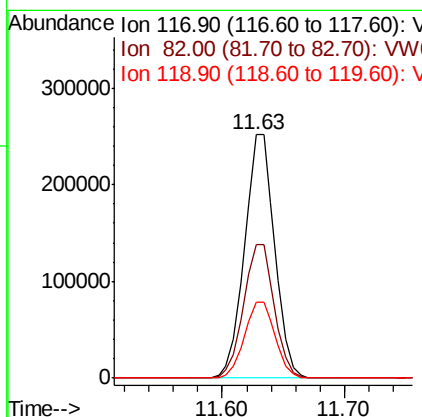
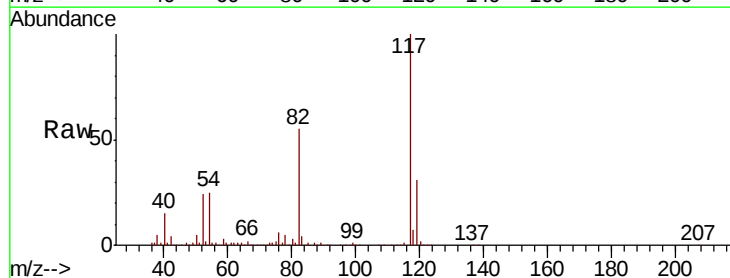
Instrument :
MSVOA_W
ClientSampleId :
20190147-COMPOSITE-F

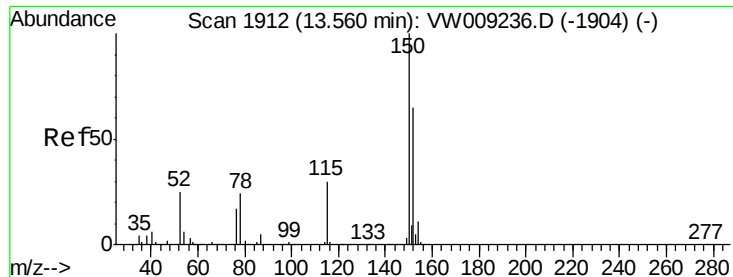
Tot Ion: 95 Resp: 205484
Ion Ratio Lower Upper
95 100
174 82.7 0.0 168.4
176 79.9 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009274.D
Acq: 20 Mar 2019 08:14

Tgt Ion: 117 Resp: 430830
Ion Ratio Lower Upper
117 100
82 55.1 43.6 65.4
119 31.2 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: VW009274.D

Acq: 20 Mar 2019 08:14

Instrument :

MSVOA_W

ClientSampleId :

20190147-COMPOSITE-F

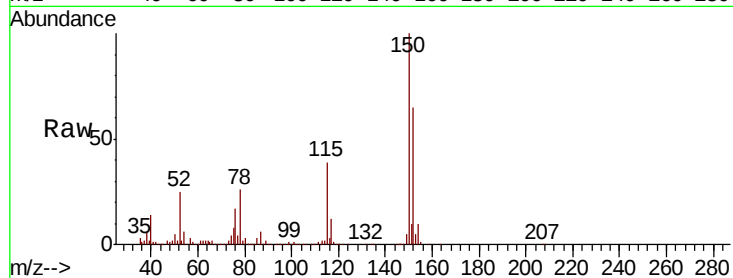
Tot Ion:152 Resp: 214442

Ion Ratio Lower Upper

152 100

115 58.4 29.6 88.8

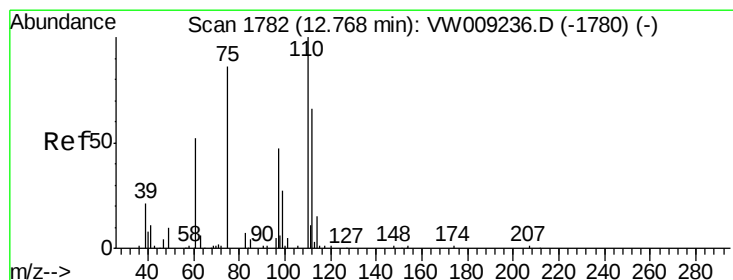
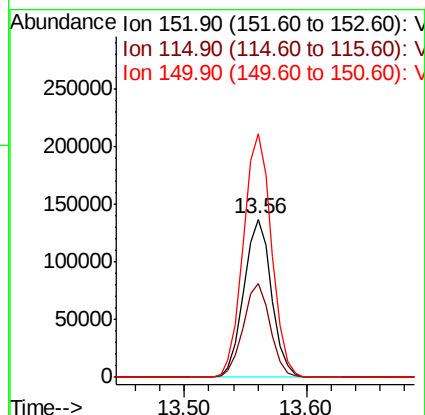
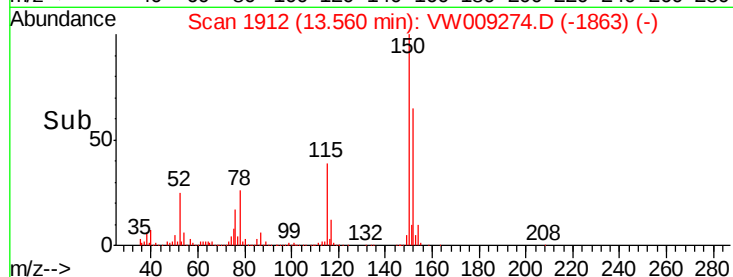
150 157.1 0.0 349.2



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: 55.616 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009274.D

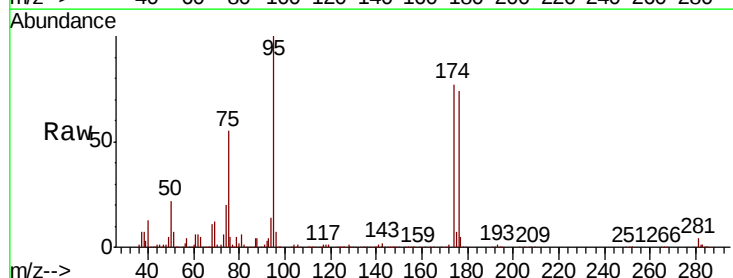
Acq: 20 Mar 2019 08:14

Tgt Ion: 75 Resp: 112076

Ion Ratio Lower Upper

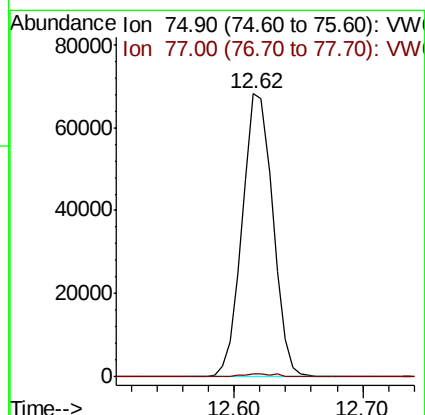
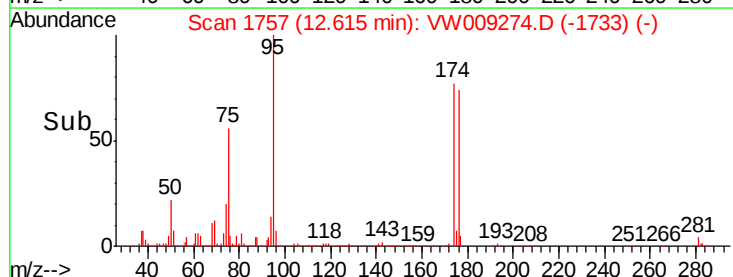
75 100

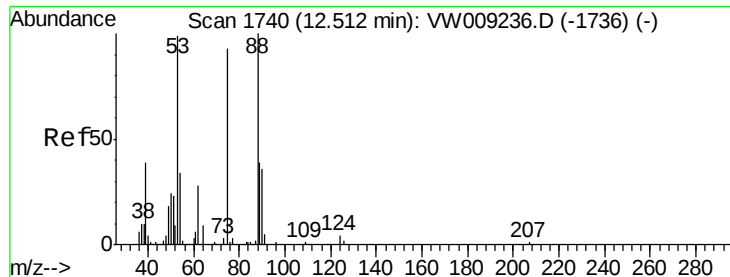
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 136.466 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009274.D

Acq: 20 Mar 2019 08:14

Instrument :

MSVOA_W

ClientSampleId :

20190147-COMPOSITE-F

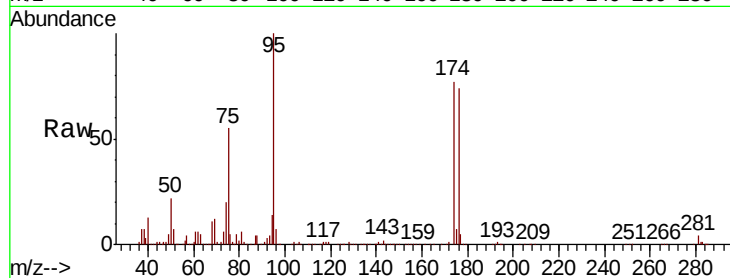
Tot Ion: 75 Resp: 112076

Ion Ratio Lower Upper

75 100

53 0.3 86.7 130.1#

89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

