

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012566.D
 Acq On : 04 Sep 2019 00:58
 Operator : SY/VA
 Sample : K4544-13RE
 Misc : 4.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C3-(0)

Quant Time: Sep 04 06:52:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	96721	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	141594	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	
35) Dibromofluoromethane	7.88	113	110272	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
50) Toluene-d8	10.32	98	419445	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.62	95	122079	41.11	ug/l	0.00
Spiked Amount			Recovery	=	82.22%	

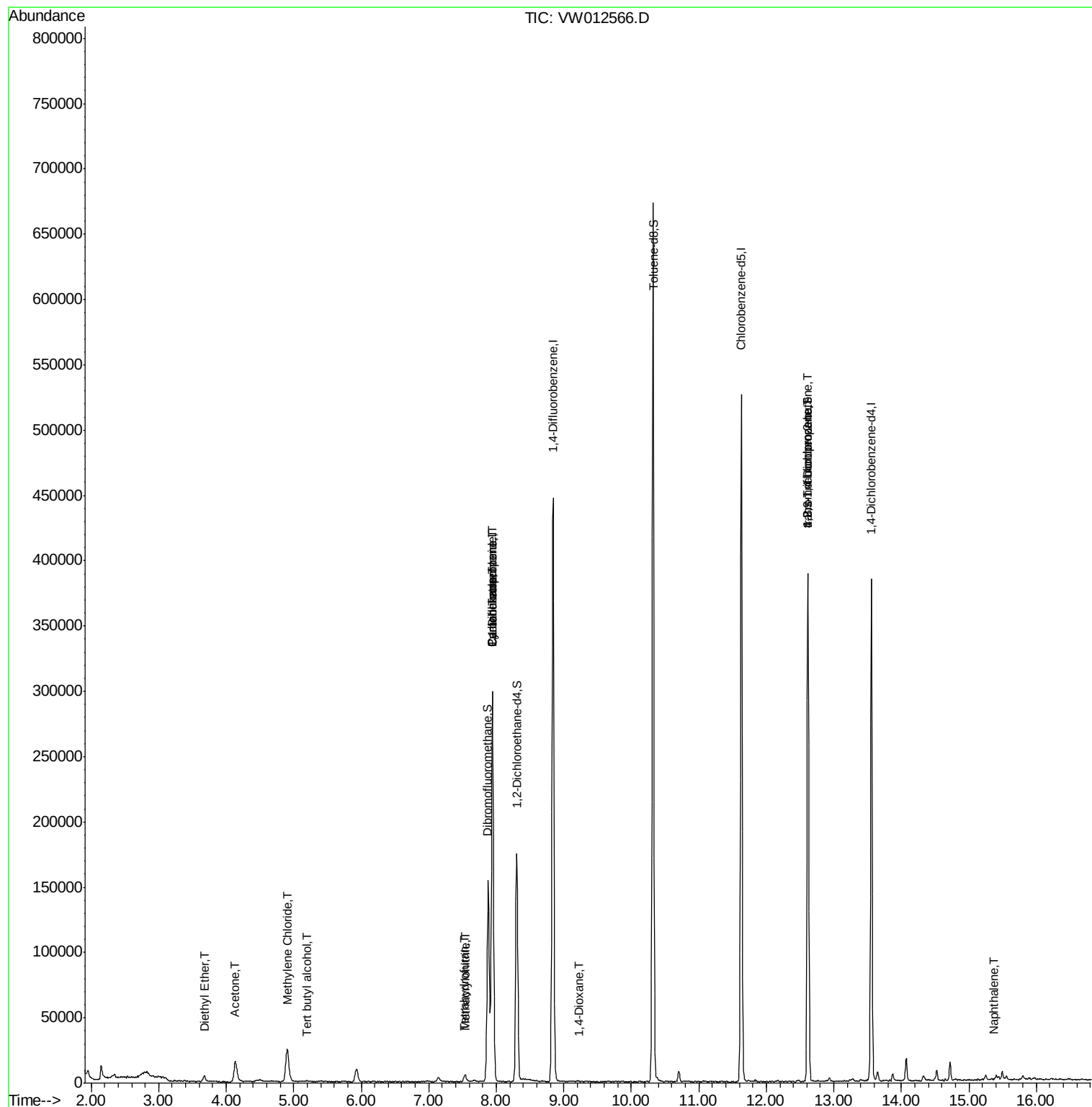
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2020	1.671	ug/l	60
11) Tert butyl alcohol	5.20	59	357	2.297	ug/l #	69
16) Acetone	4.13	43	34141	51.712	ug/l	97
20) Methylene Chloride	4.90	84	16923	6.780	ug/l #	84
29) Tetrahydrofuran	7.53	42	4471	8.307	ug/l #	91
31) Cyclohexane	7.95	56	5535	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	18831	5.235	ug/l #	51
38) Carbon Tetrachloride	7.94	117	21648	6.953	ug/l #	18
41) Methacrylonitrile	7.54	41	3087	2.664	ug/l #	53
49) 1,4-Dioxane	9.21	88	48	2.666	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65525	69.560	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65525	152.513	ug/l #	6
95) Naphthalene	15.37	128	498	4.446	ug/l	97

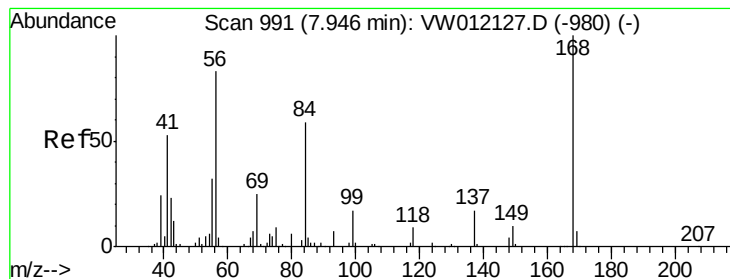
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012566.D

Acq: 04 Sep 2019 00:58

Instrument :

MSVOA_W

ClientSampled :

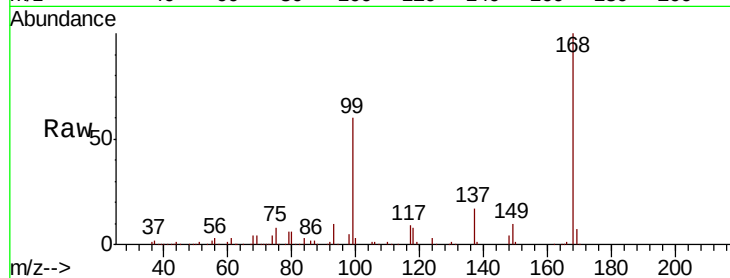
T16-17-C3-(0)

Tgt Ion:168 Resp: 217267

Ion Ratio Lower Upper

168 100

99 60.1 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

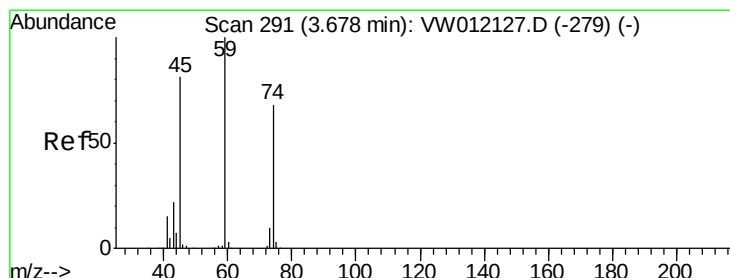
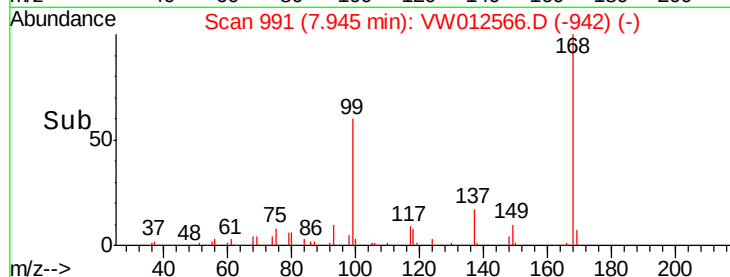
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.671 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012566.D

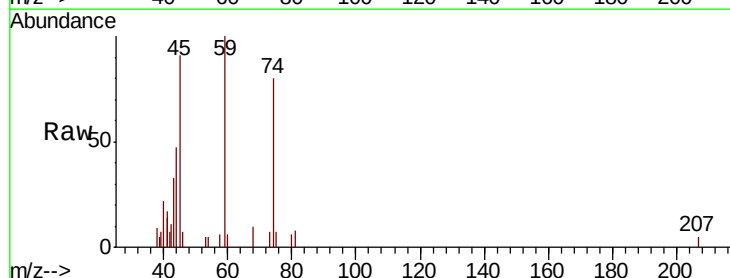
Acq: 04 Sep 2019 00:58

Tgt Ion: 74 Resp: 2020

Ion Ratio Lower Upper

74 100

45 162.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

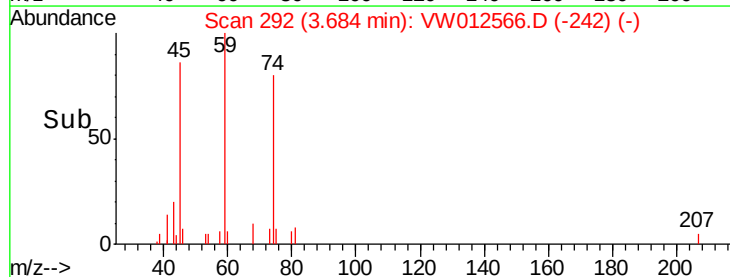
3.68

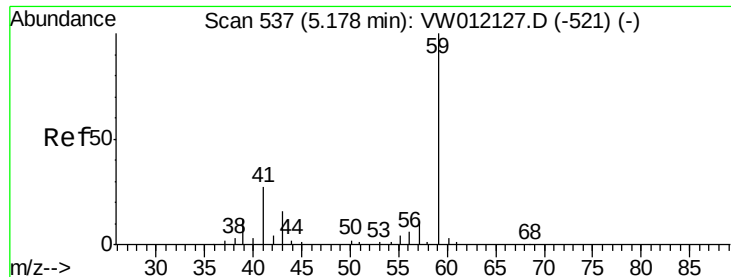
1000

500

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Time-->

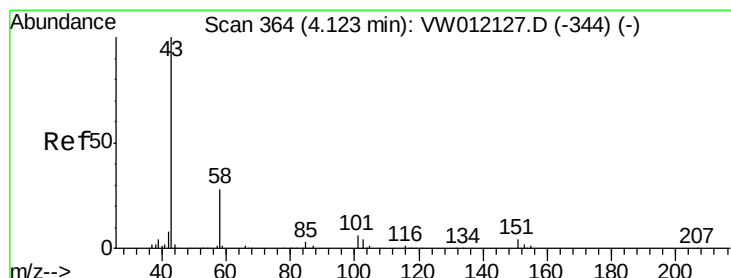
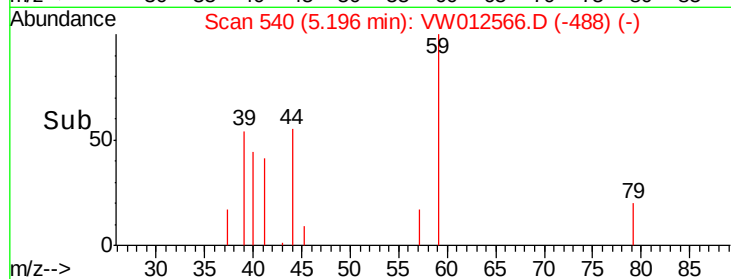
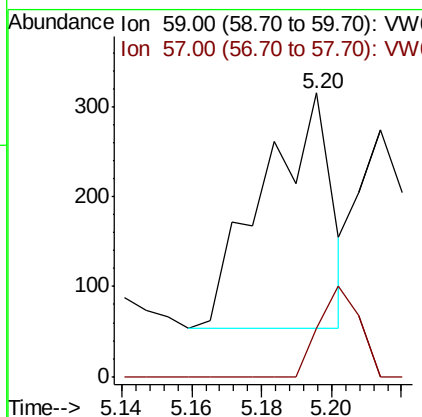
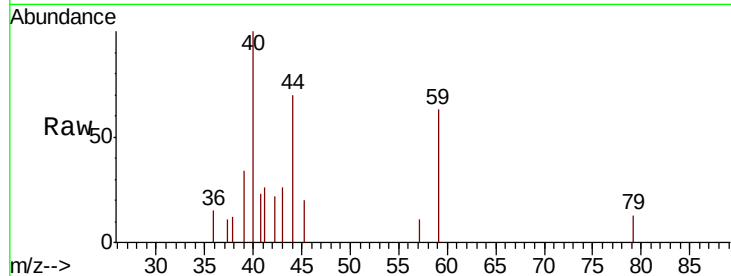




#11
 Tert butyl alcohol
 Concen: 2.297 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

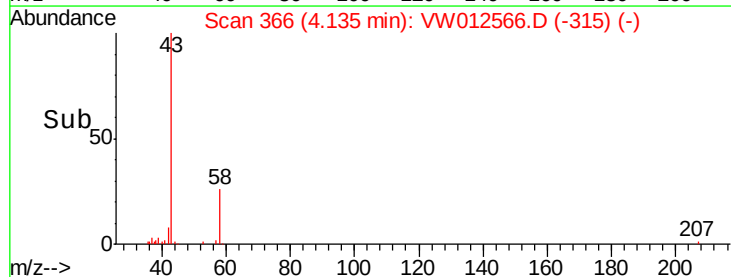
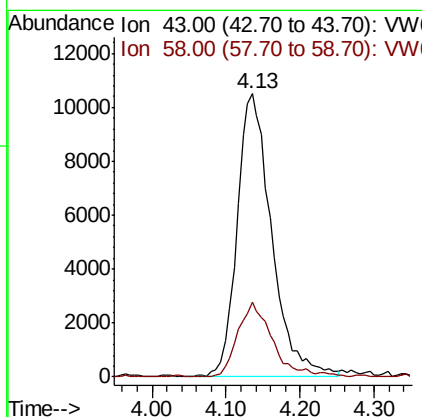
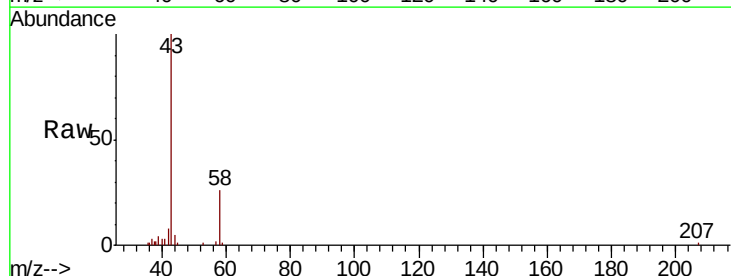
Instrument :
 MSVOA_W
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 T16-17-C3-(0)

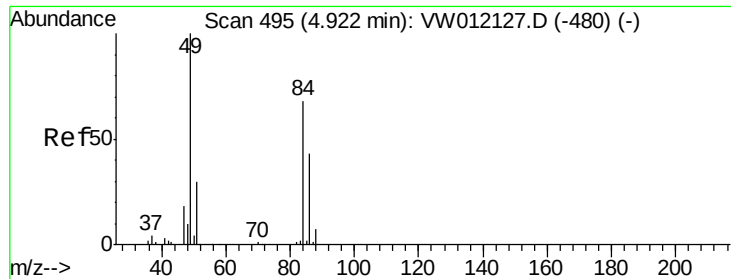
Tgt Ion: 59 Resp: 357
 Ion Ratio Lower Upper
 59 100
 57 23.0 9.0 13.4#



#16
 Acetone
 Concen: 51.712 ug/l
 RT: 4.13 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

Tgt Ion: 43 Resp: 34141
 Ion Ratio Lower Upper
 43 100
 58 26.2 22.4 33.6

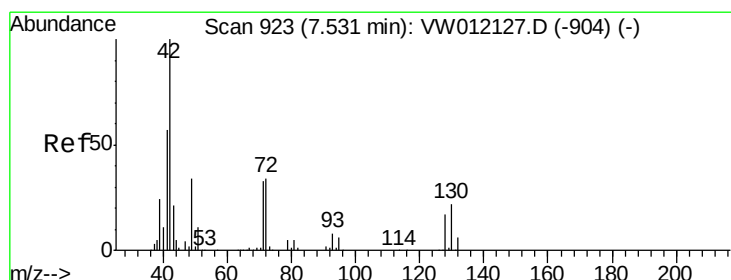
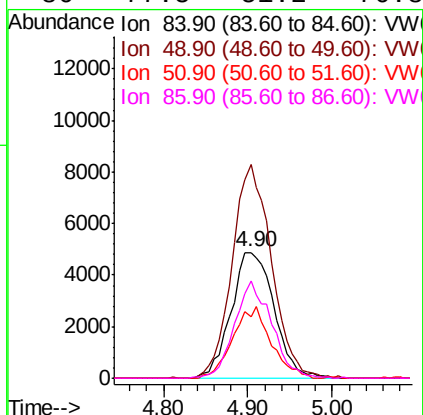
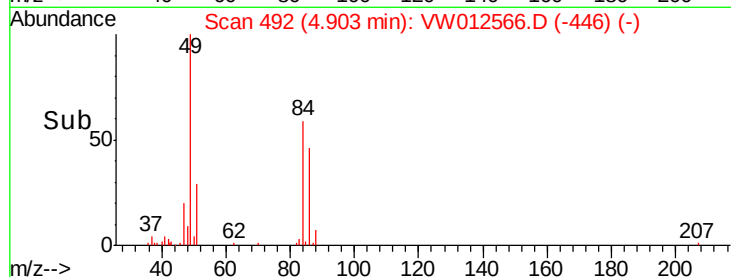
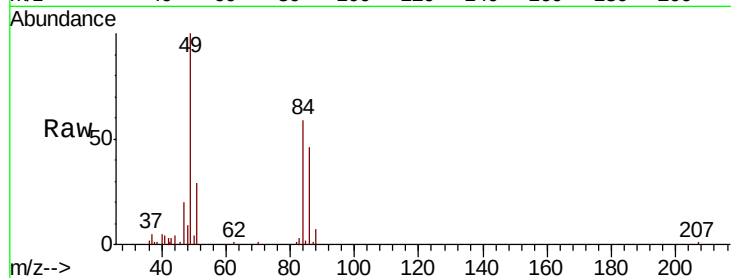




#20
Methylene Chloride
Concen: 6.780 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

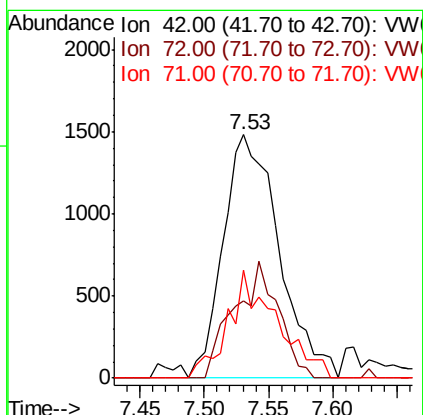
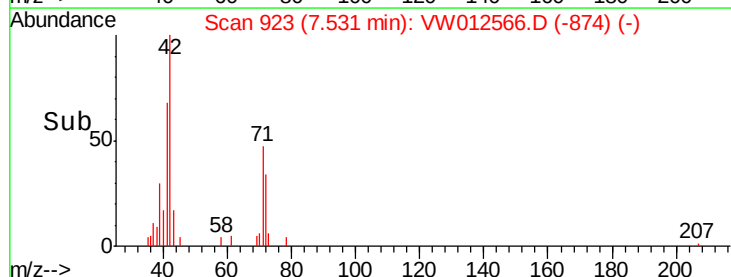
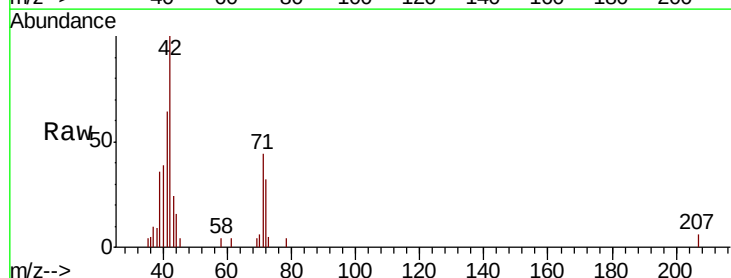
Instrument :
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ClientSampleId :
T16-17-C3-(0)

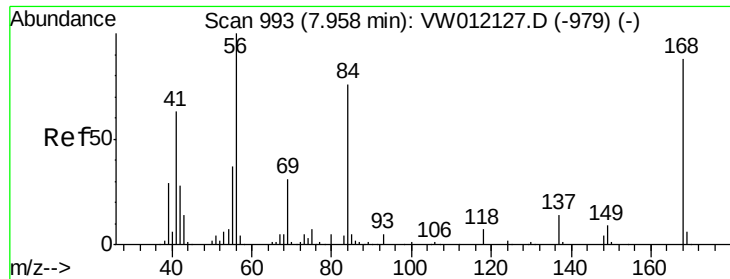
Tgt Ion: 84 Resp: 16923
Ion Ratio Lower Upper
84 100
49 170.2 117.8 176.8
51 48.9 35.6 53.4
86 77.5 51.2 76.8#



#29
Tetrahydrofuran
Concen: 8.307 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

Tgt Ion: 42 Resp: 4471
Ion Ratio Lower Upper
42 100
72 37.8 27.3 40.9
71 38.3 25.5 38.3#

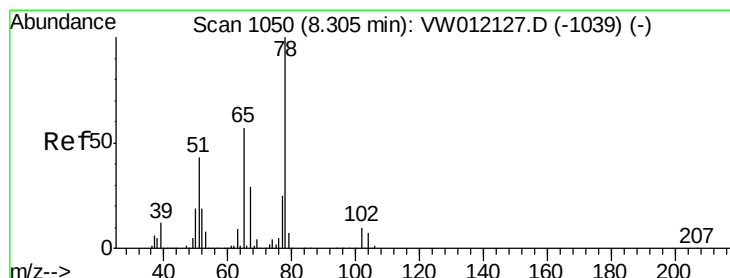
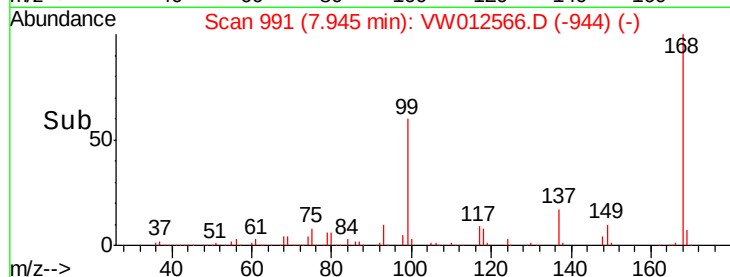
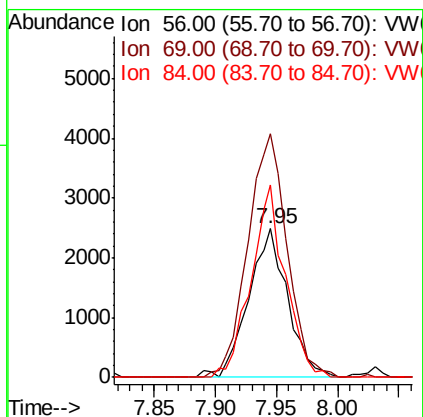
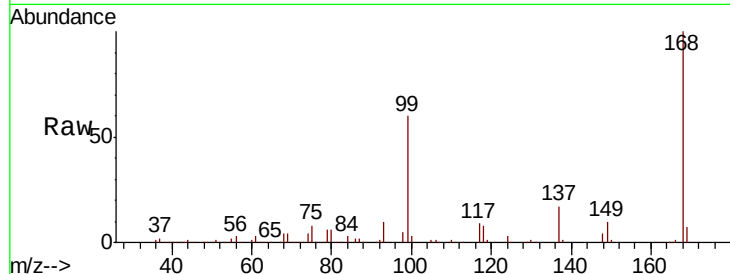




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

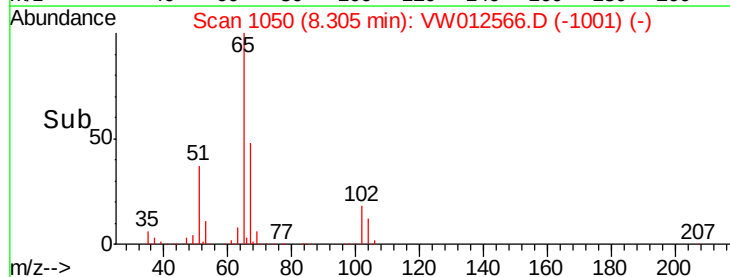
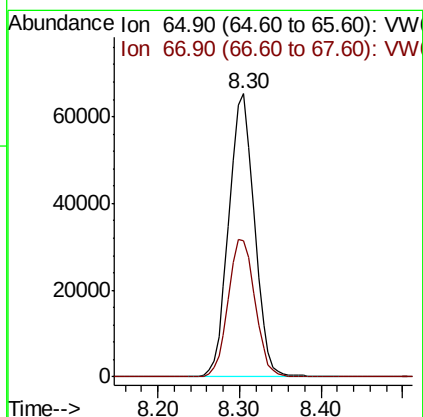
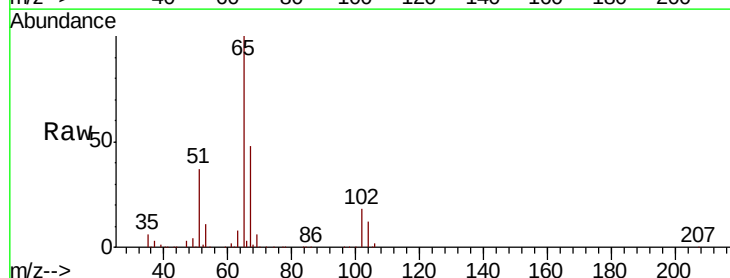
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C3-(0)

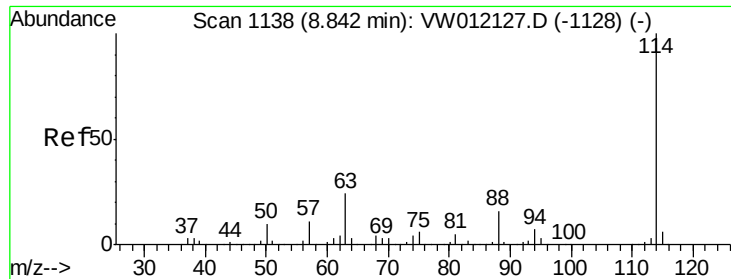
Tgt Ion: 56 Resp: 5535
Ion Ratio Lower Upper
56 100
69 164.2 24.9 37.3#
84 129.8 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 54.822 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

Tgt Ion: 65 Resp: 141594
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6

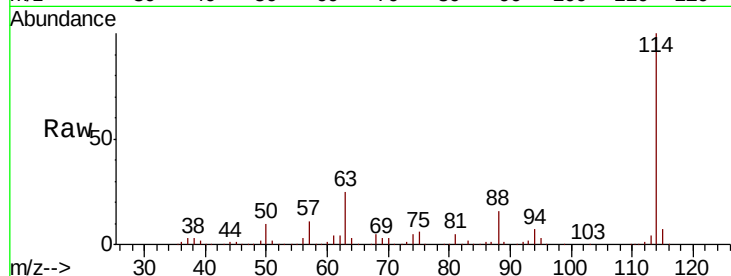




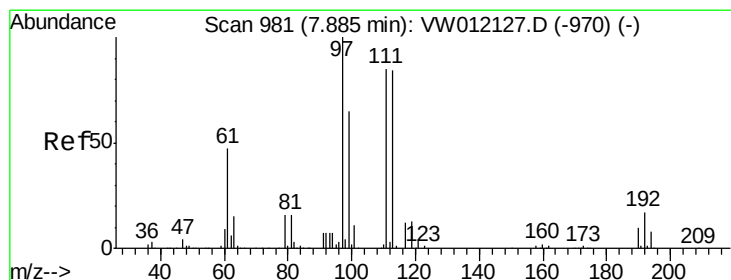
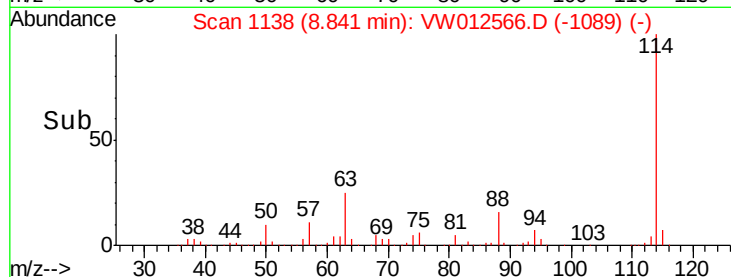
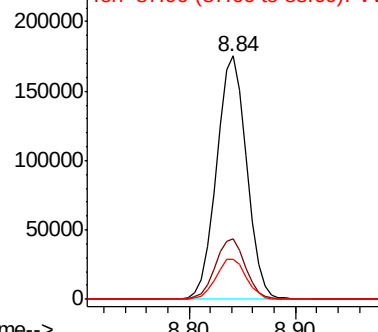
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C3-(0)

Tgt Ion:114 Resp: 348106
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 16.5 0.0 32.2

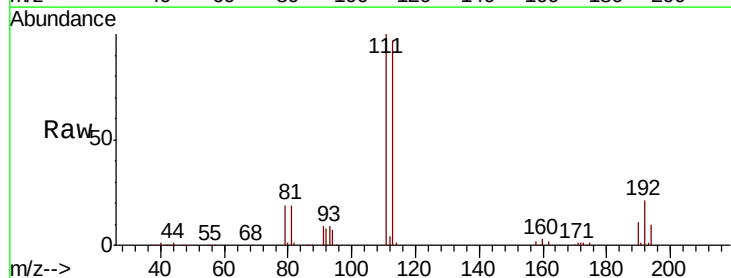


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

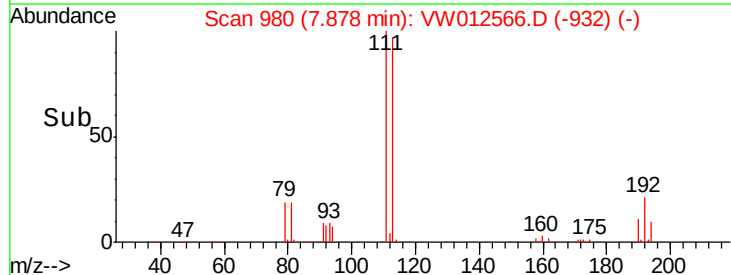
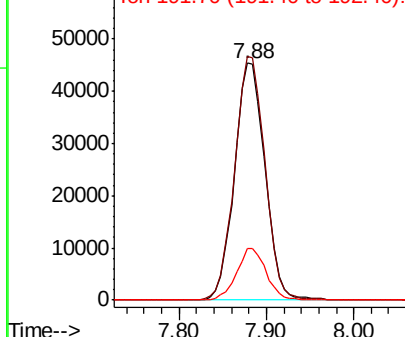


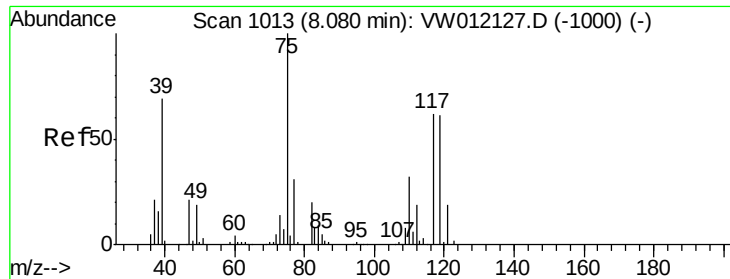
#35
 Dibromofluoromethane
 Concen: 53.070 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

Tgt Ion:113 Resp: 110272
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 20.9 16.2 24.2



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

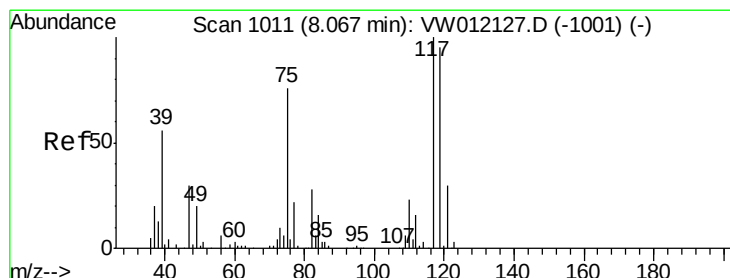
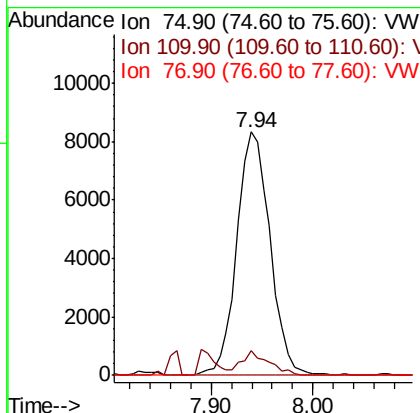
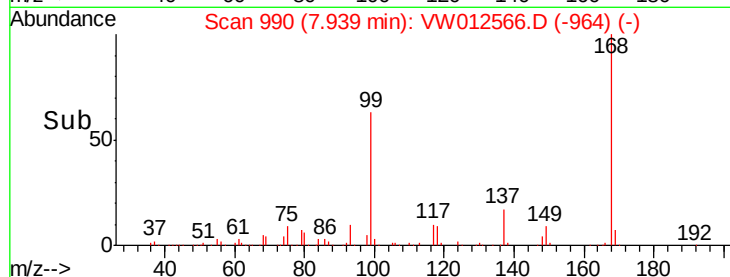
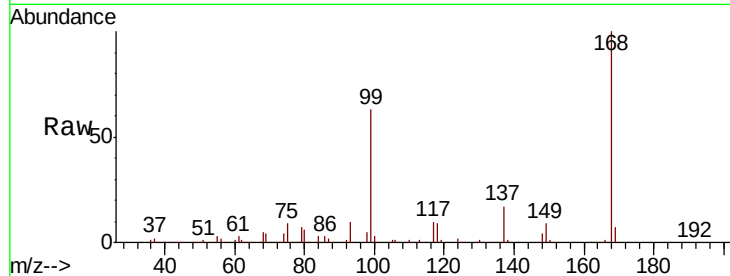




#36
 1,1-Dichloropropene
 Concen: 5.235 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

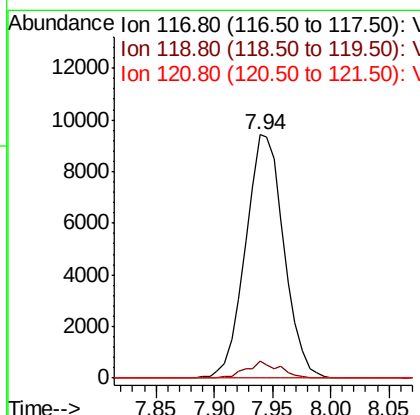
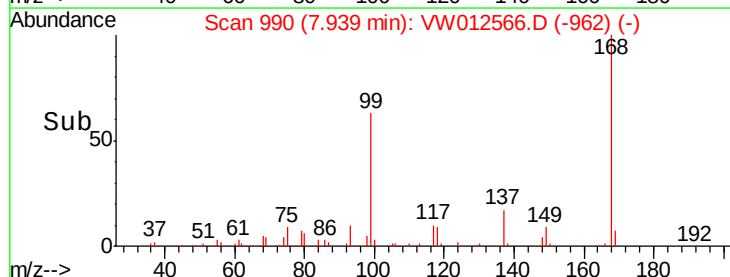
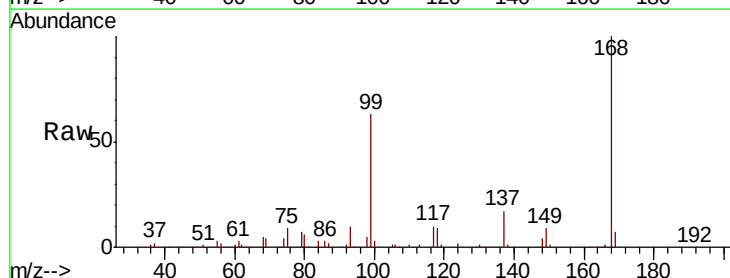
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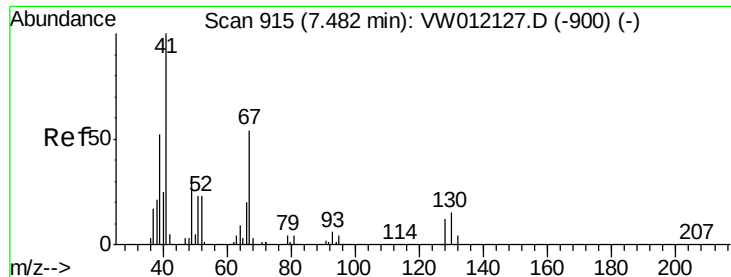
Tgt Ion: 75 Resp: 18831
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.953 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

Tgt Ion: 117 Resp: 21648
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.2 114.2#
 121 0.0 23.8 35.8#

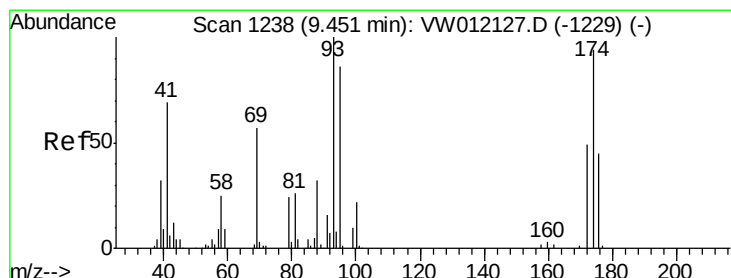
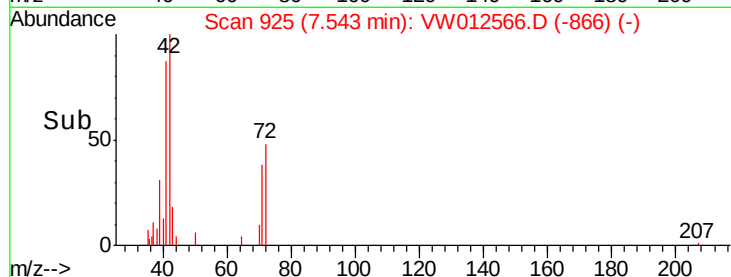
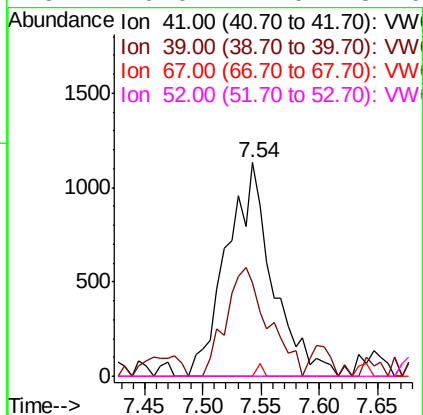
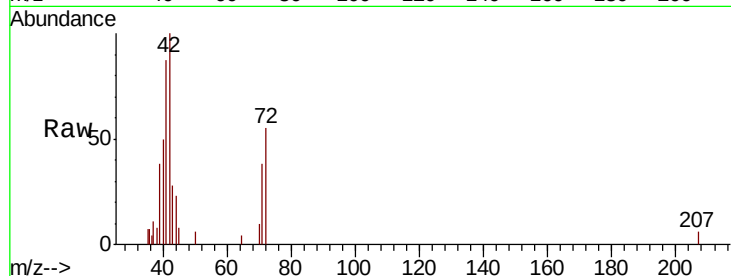




#41
Methacrylonitrile
Concen: 2.664 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

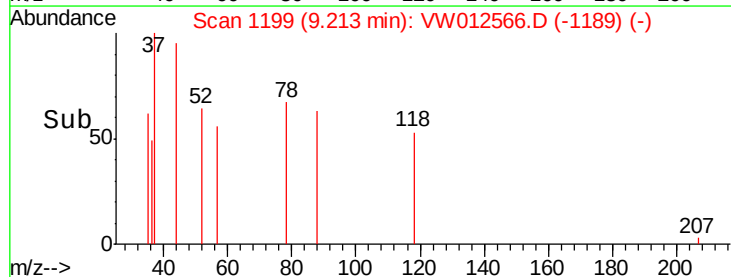
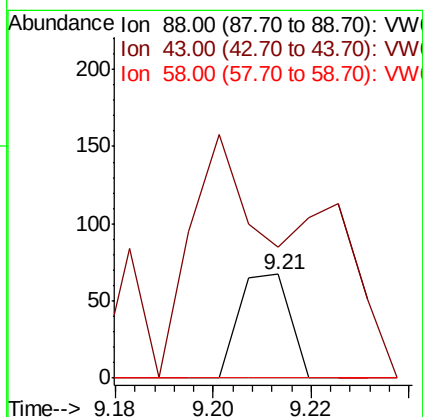
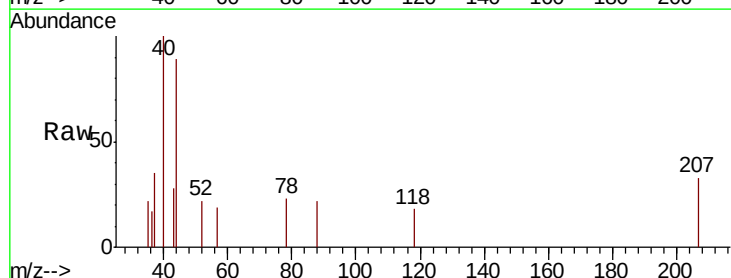
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T16-17-C3-(0)

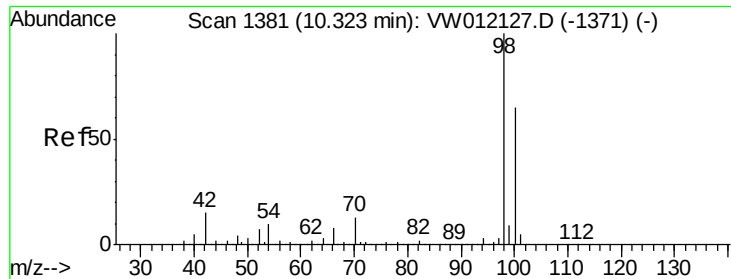
Tgt Ion:	41	Resp:	3087
Ion	Ratio	Lower	Upper
41	100		
39	46.7	45.8	68.8
67	0.8	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 2.666 ug/l
RT: 9.21 min Scan# 1199
Delta R.T. -0.24 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

Tgt Ion:	88	Resp:	48
Ion	Ratio	Lower	Upper
88	100		
43	397.9	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 49.785 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012566.D

Acq: 04 Sep 2019 00:58

Instrument :

MSVOA_W

ClientSampleId :

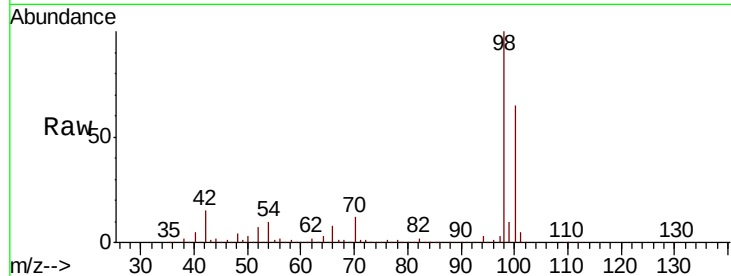
T16-17-C3-(0)

Tgt Ion: 98 Resp: 419445

Ion Ratio Lower Upper

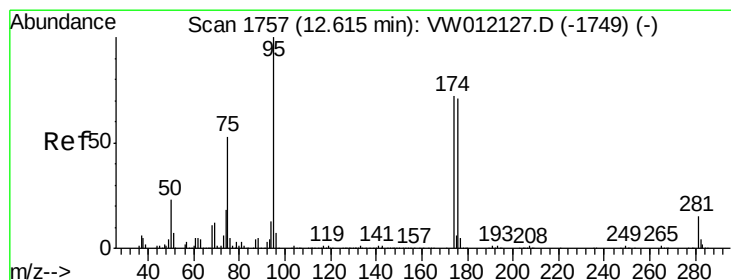
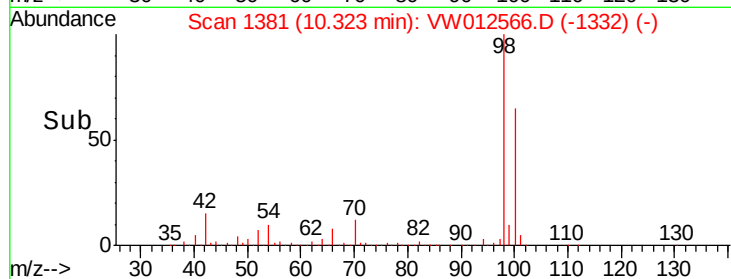
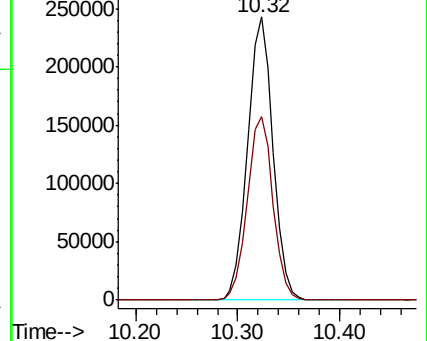
98 100

100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 41.106 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012566.D

Acq: 04 Sep 2019 00:58

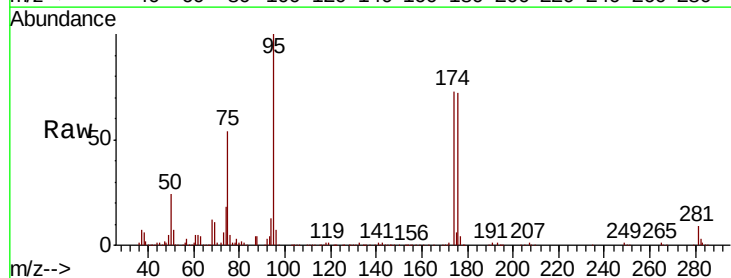
Tgt Ion: 95 Resp: 122079

Ion Ratio Lower Upper

95 100

174 78.2 0.0 150.8

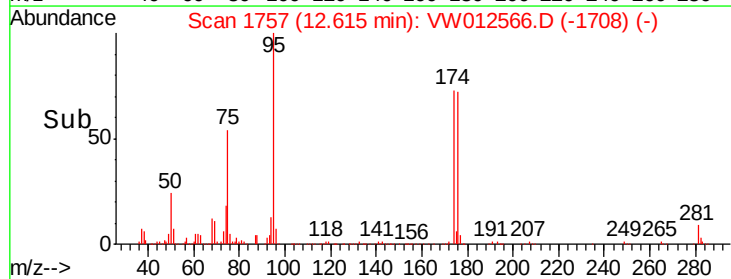
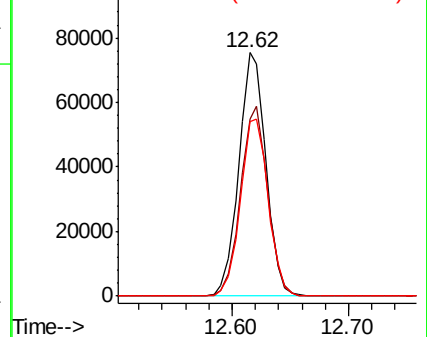
176 75.0 0.0 148.6

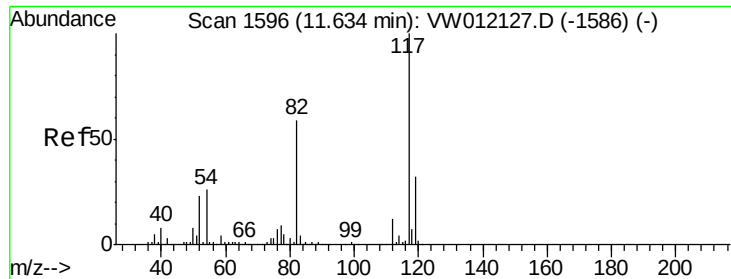


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

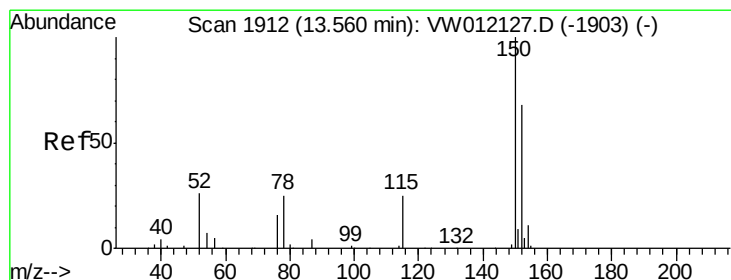
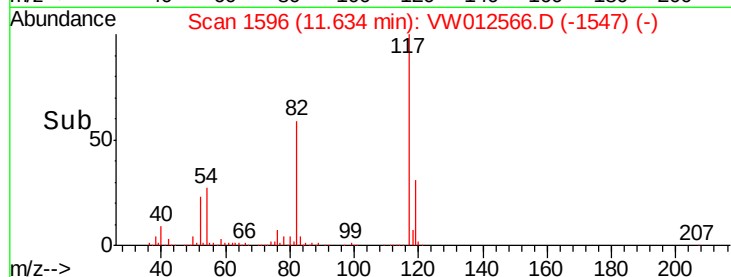
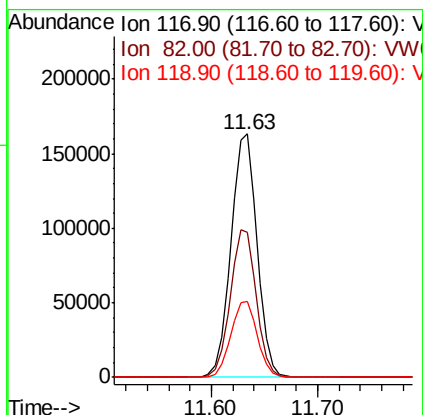
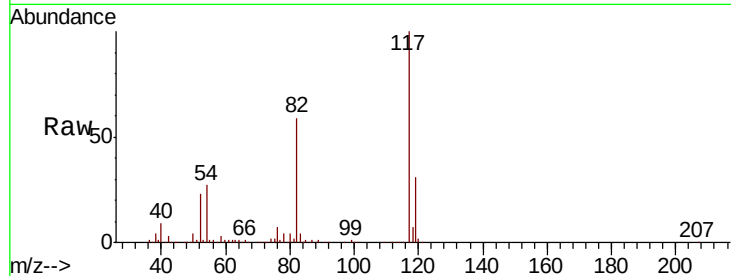




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

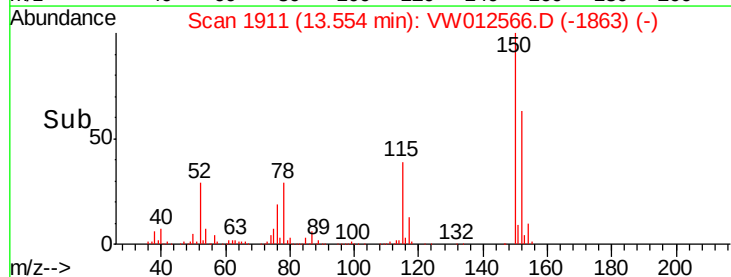
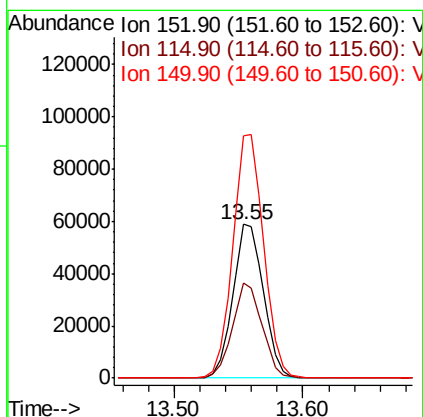
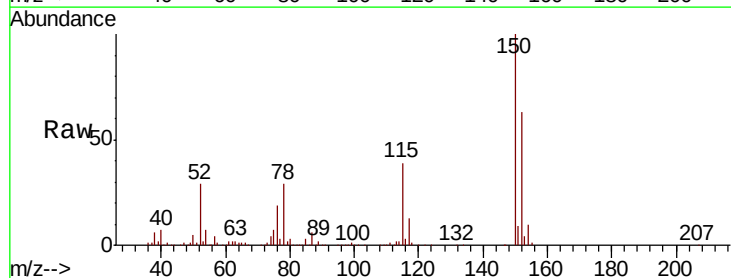
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C3-(0)

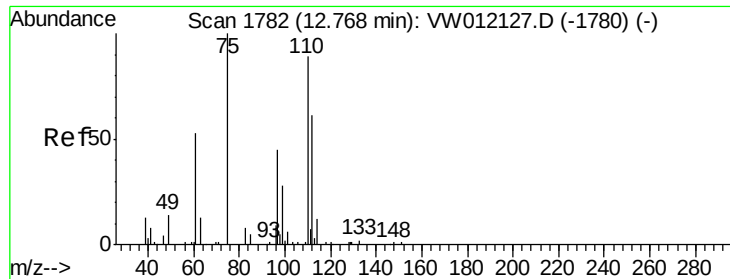
Tgt Ion:117 Resp: 280446
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 31.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

Tgt Ion:152 Resp: 96721
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.3
150 159.0 0.0 345.8

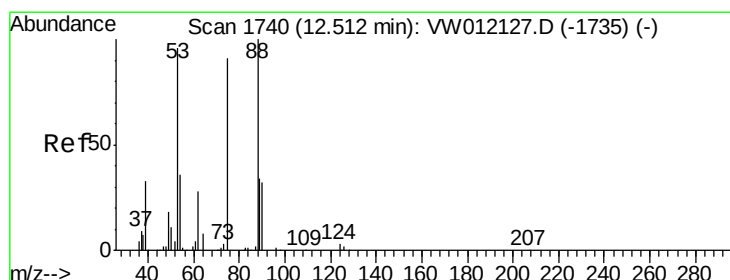
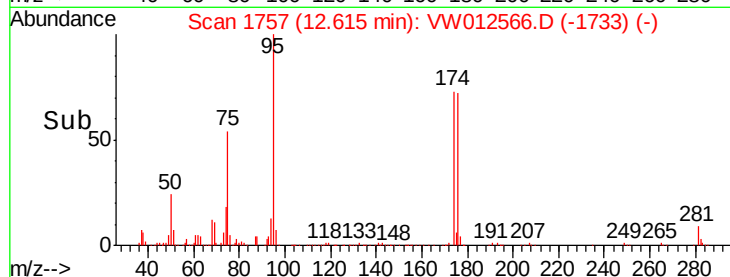
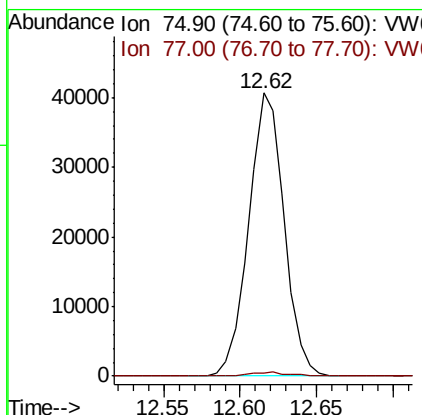
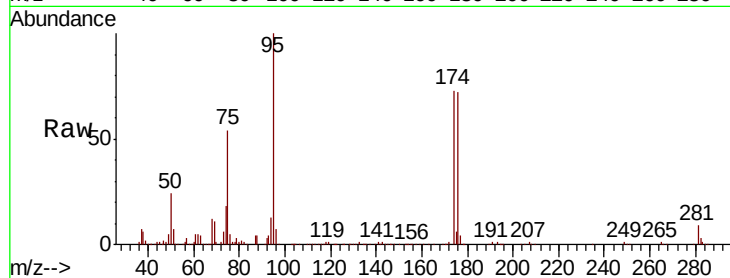




#76
 1,2,3-Trichloropropane
 Concen: 69.560 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

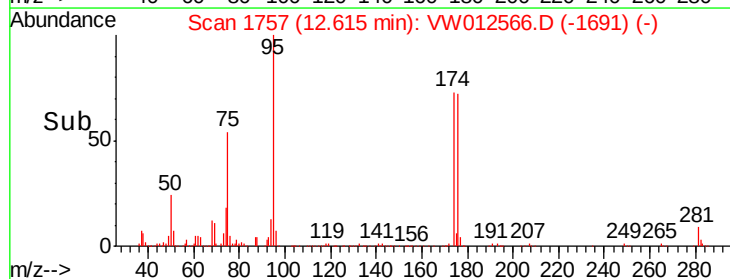
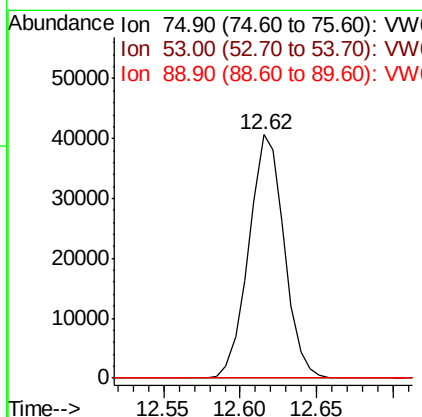
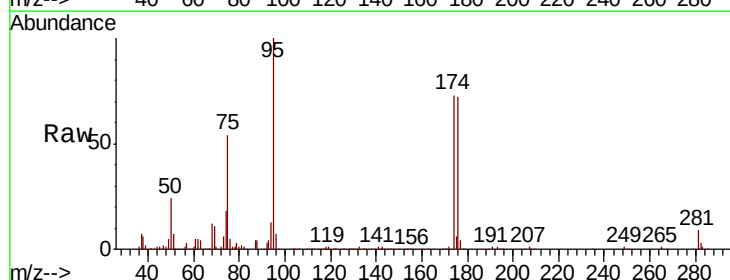
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C3-(0)

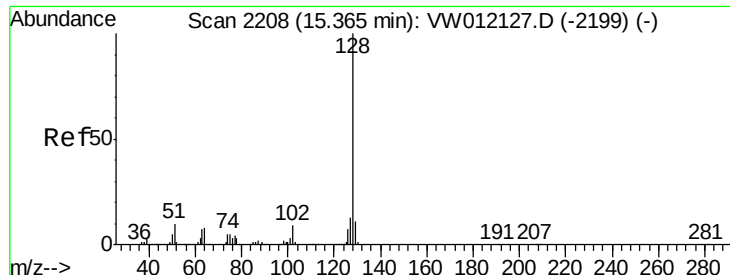
Tgt Ion: 75 Resp: 65525
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.513 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012566.D
 Acq: 04 Sep 2019 00:58

Tgt Ion: 75 Resp: 65525
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.2 34.5 51.7#

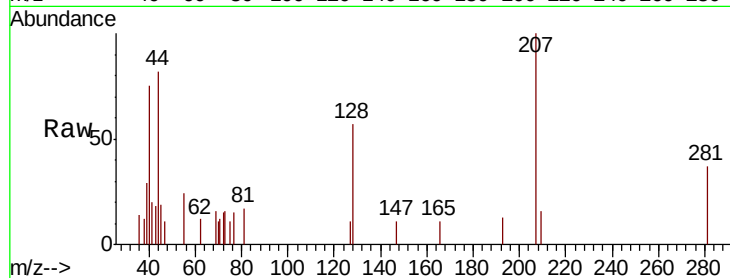




#95
Naphthalene
Concen: 4.446 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012566.D
Acq: 04 Sep 2019 00:58

Instrument :
MSVOA_W
ClientSampleId :
T16-17-C3-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.7	16.1
129	11.0	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

