

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012525.D
 Acq On : 03 Sep 2019 03:40
 Operator : SY/VA
 Sample : K4544-12
 Misc : 6.12G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C2-(0)

Quant Time: Sep 03 07:46:17 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	244485	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	107256	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	144762	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	7.88	113	118373	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
50) Toluene-d8	10.32	98	465657	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	135321	40.20	ug/l	0.00
Spiked Amount			Recovery	=	80.40%	

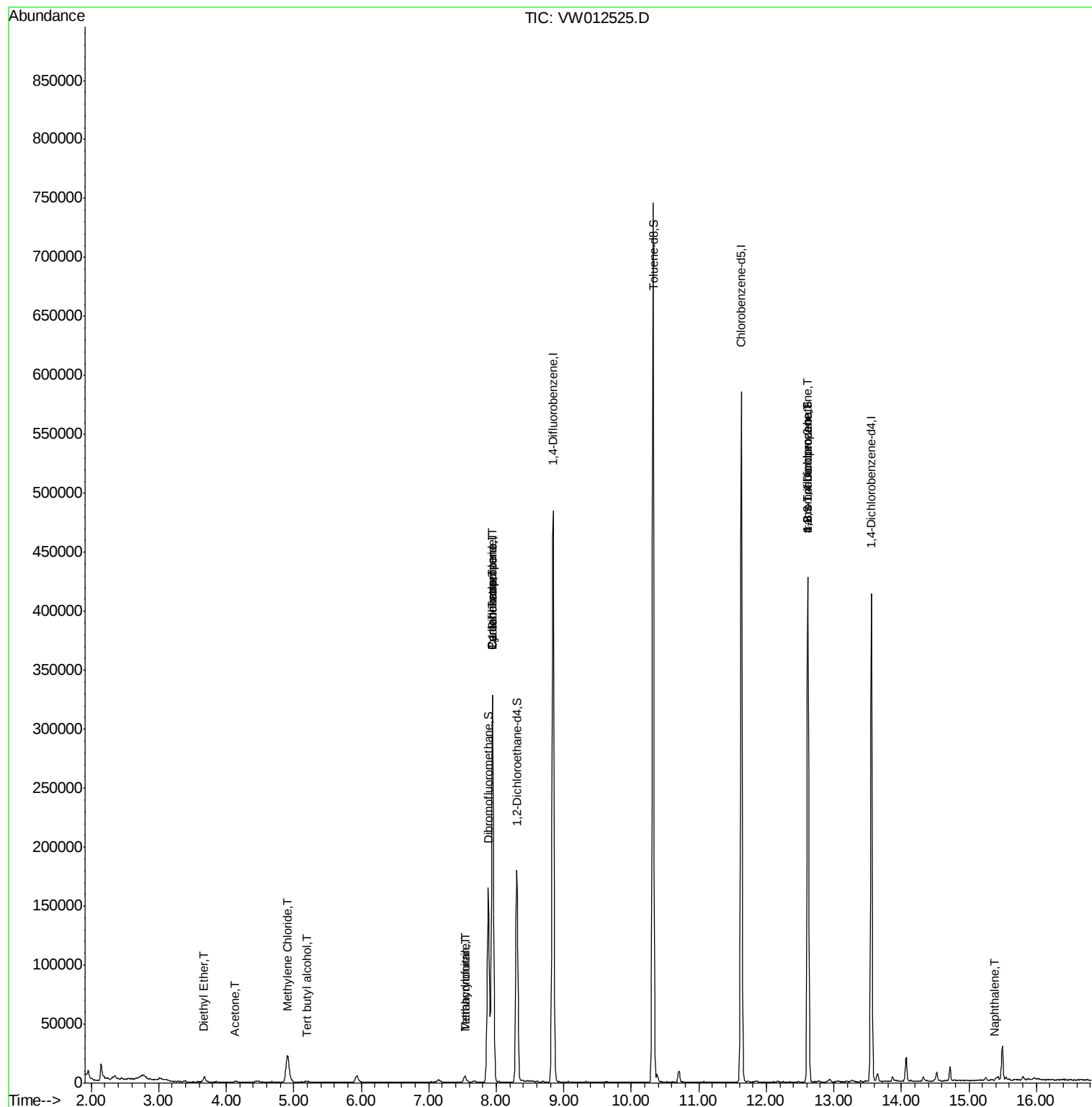
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2366	1.739	ug/l	68
11) Tert butyl alcohol	5.18	59	1499	8.571	ug/l #	78
16) Acetone	4.14	43	1968	2.649	ug/l	97
20) Methylene Chloride	4.91	84	17115	6.094	ug/l	96
29) Tetrahydrofuran	7.53	42	4561	7.530	ug/l	92
31) Cyclohexane	7.95	56	5876	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19938	4.890	ug/l #	53
38) Carbon Tetrachloride	7.95	117	24452	6.928	ug/l #	15
41) Methacrylonitrile	7.54	41	2981	2.270	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	72378	69.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72378	151.916	ug/l #	6
95) Naphthalene	15.37	128	332	4.396	ug/l #	77

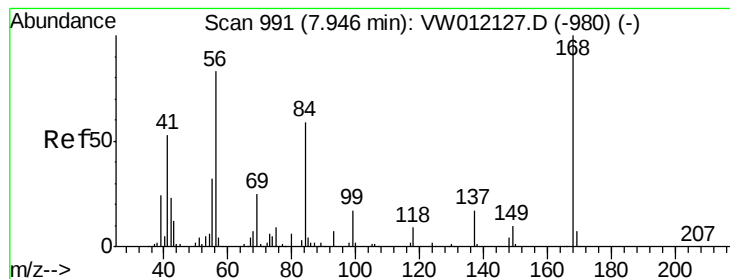
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012525.D

Acq: 03 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

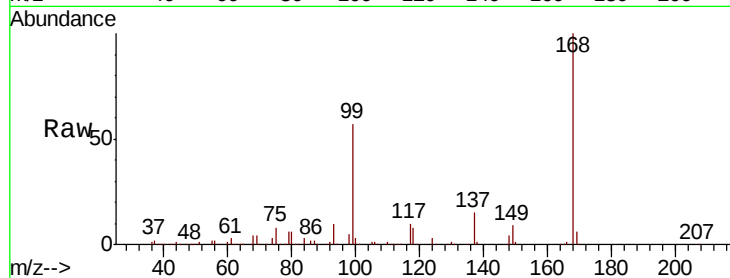
T16-17-C2-(0)

Tgt Ion:168 Resp: 244485

Ion Ratio Lower Upper

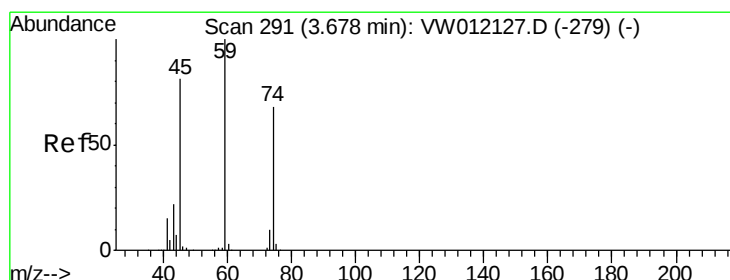
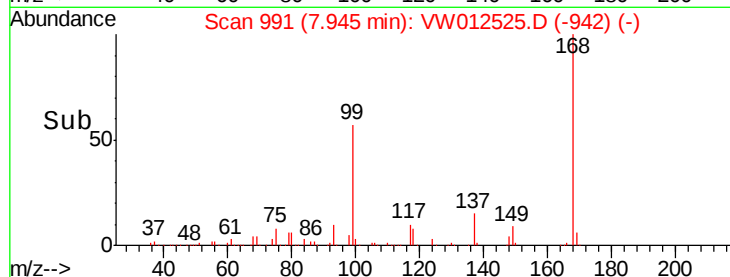
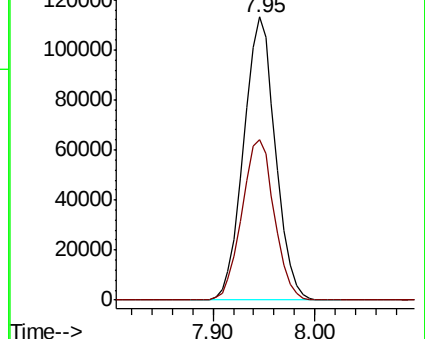
168 100

99 56.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.739 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012525.D

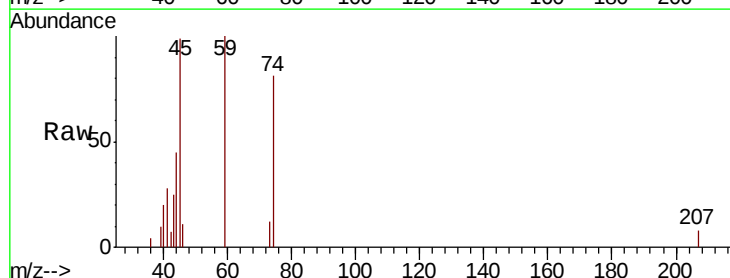
Acq: 03 Sep 2019 03:40

Tgt Ion: 74 Resp: 2366

Ion Ratio Lower Upper

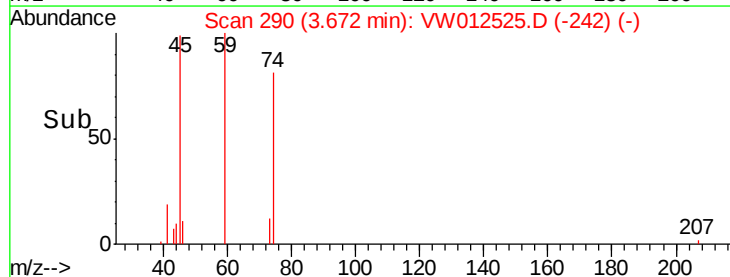
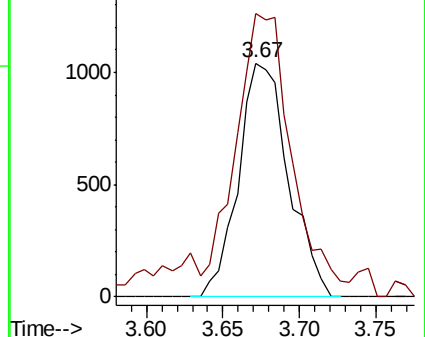
74 100

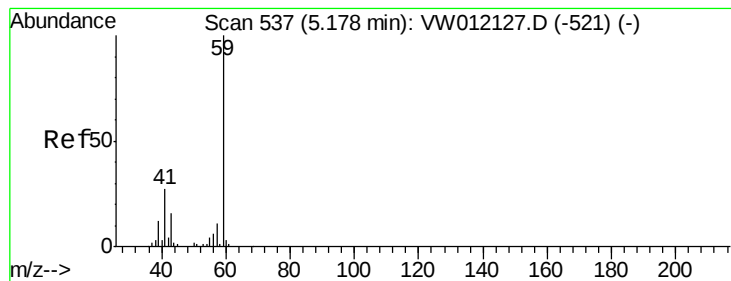
45 153.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 8.571 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.01 min

Lab File: VW012525.D

Acq: 03 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

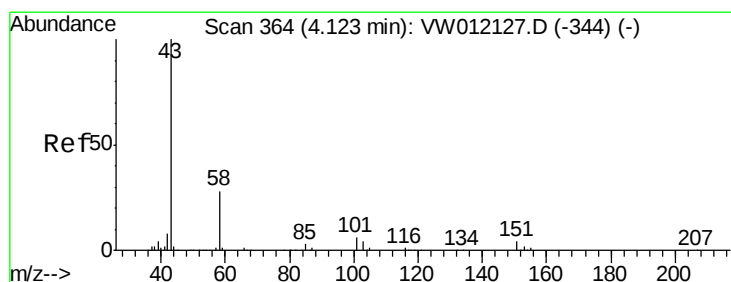
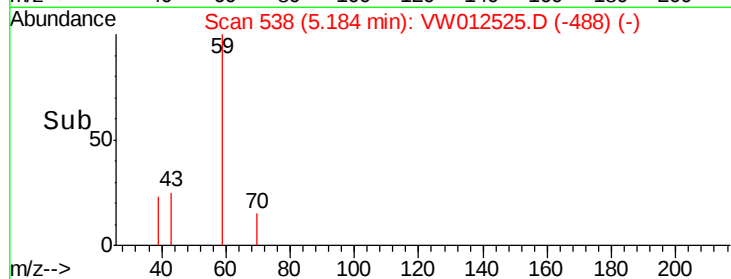
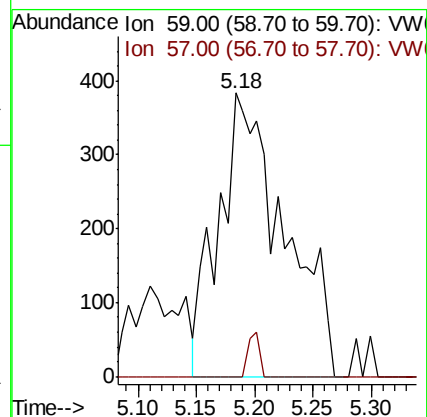
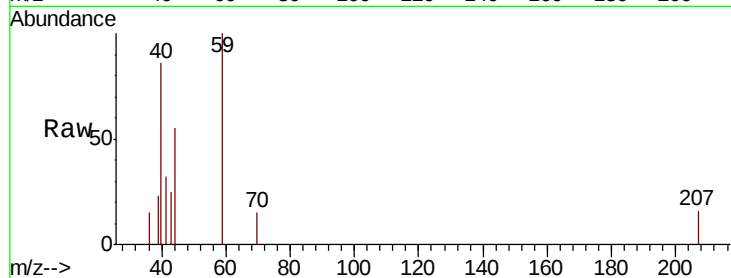
T16-17-C2-(0)

Tgt Ion: 59 Resp: 1499

Ion Ratio Lower Upper

59 100

57 2.7 9.0 13.4#



#16

Acetone

Concen: 2.649 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012525.D

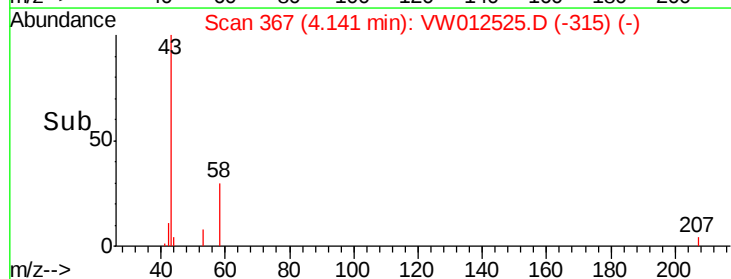
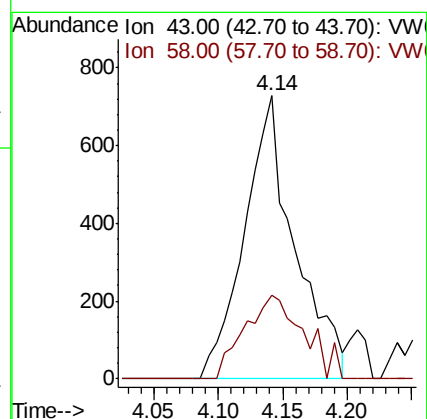
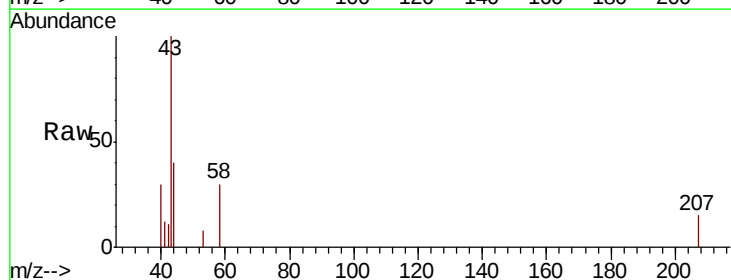
Acq: 03 Sep 2019 03:40

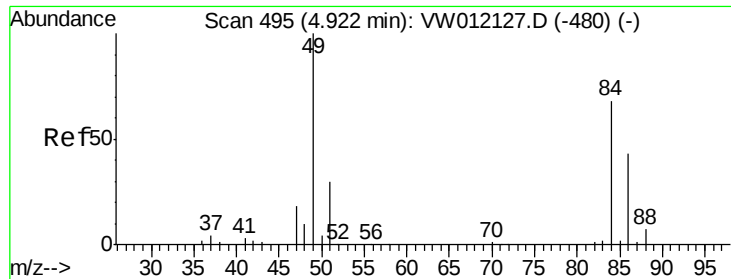
Tgt Ion: 43 Resp: 1968

Ion Ratio Lower Upper

43 100

58 29.5 22.4 33.6

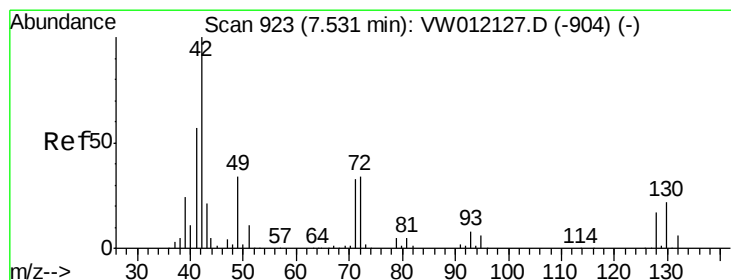
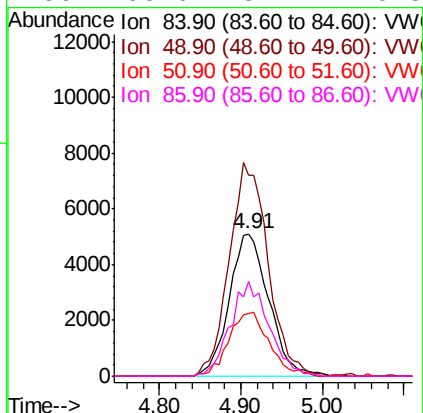
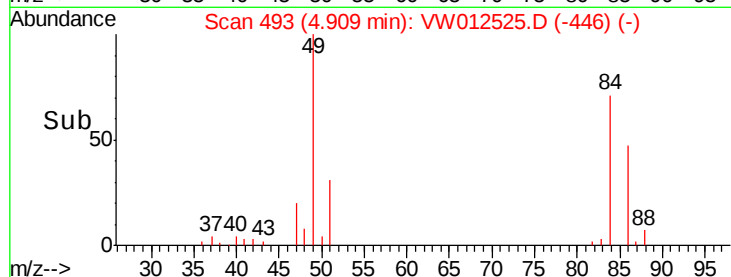
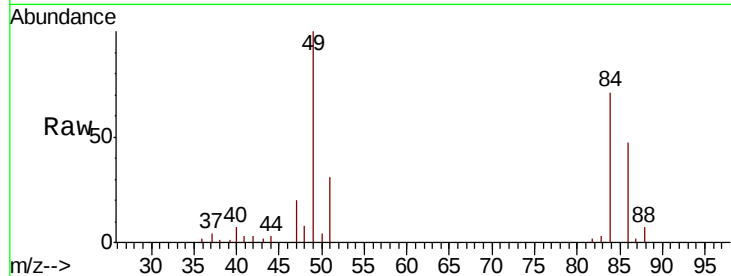




#20
Methylene Chloride
Concen: 6.094 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012525.D
Acq: 03 Sep 2019 03:40

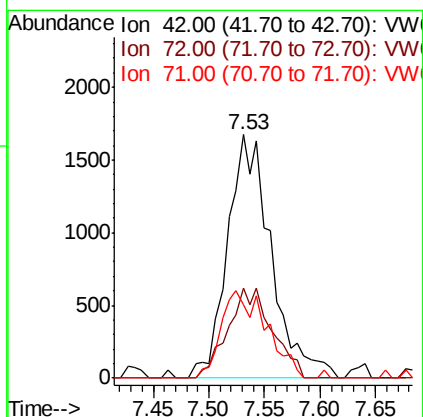
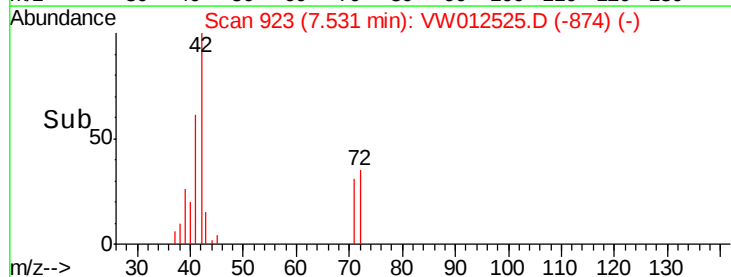
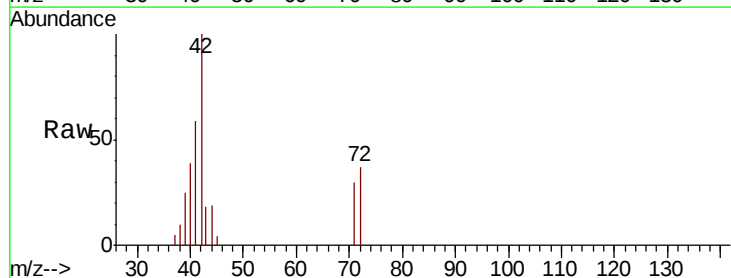
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C2-(0)

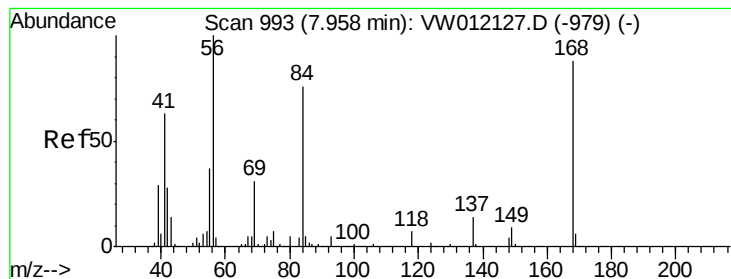
Tgt Ion:	84	Resp:	17115
Ion	Ratio	Lower	Upper
84	100		
49	141.8	117.8	176.8
51	43.7	35.6	53.4
86	66.6	51.2	76.8



#29
Tetrahydrofuran
Concen: 7.530 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012525.D
Acq: 03 Sep 2019 03:40

Tgt Ion:	42	Resp:	4561
Ion	Ratio	Lower	Upper
42	100		
72	37.4	27.3	40.9
71	37.3	25.5	38.3





#31

Cyclohexane

Concen: 1.122 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012525.D

Acq: 03 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C2-(0)

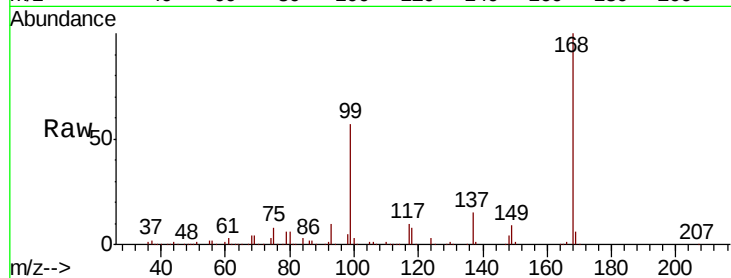
Tgt Ion: 56 Resp: 5876

Ion Ratio Lower Upper

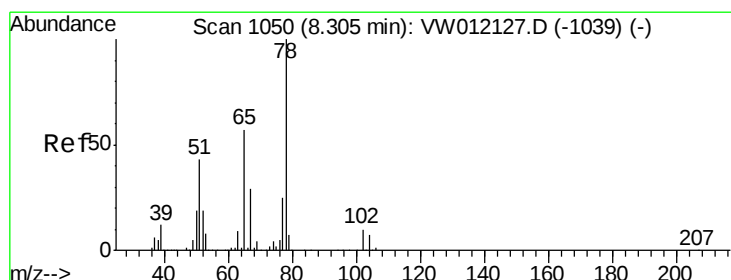
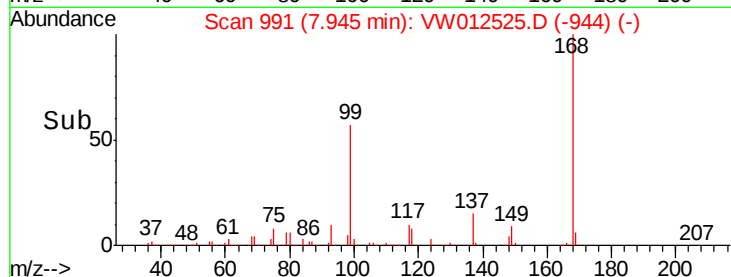
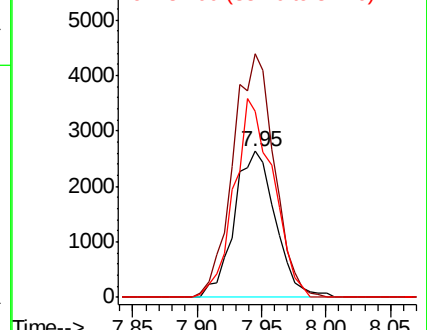
56 100

69 166.5 24.9 37.3#

84 126.9 60.6 90.8#



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: 49.809 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012525.D

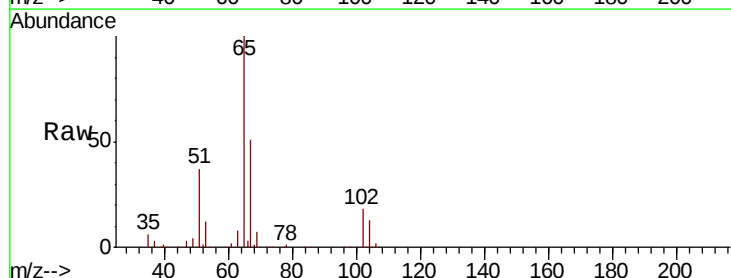
Acq: 03 Sep 2019 03:40

Tgt Ion: 65 Resp: 144762

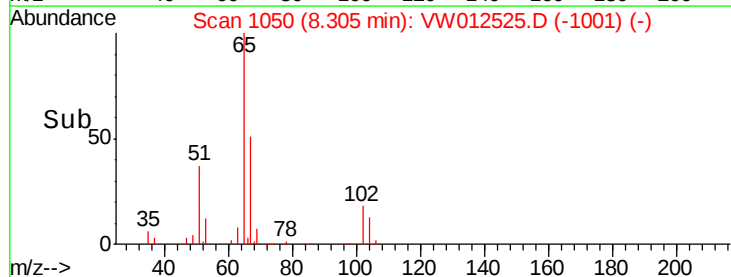
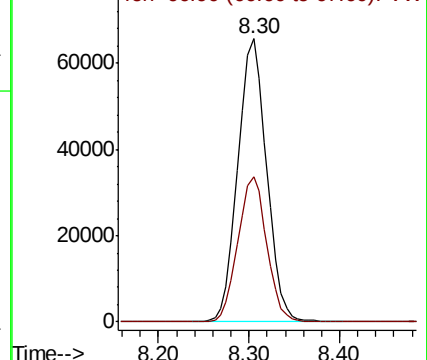
Ion Ratio Lower Upper

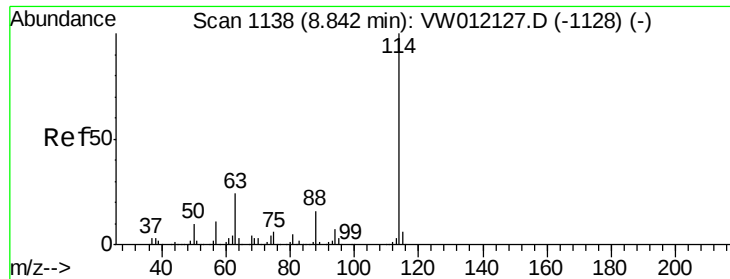
65 100

67 51.4 0.0 102.6



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

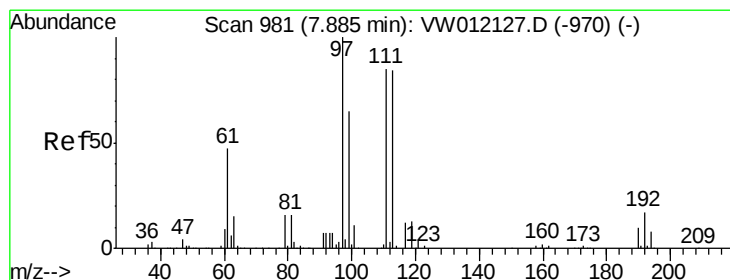
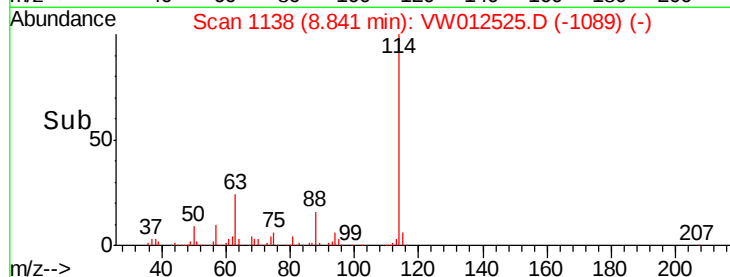
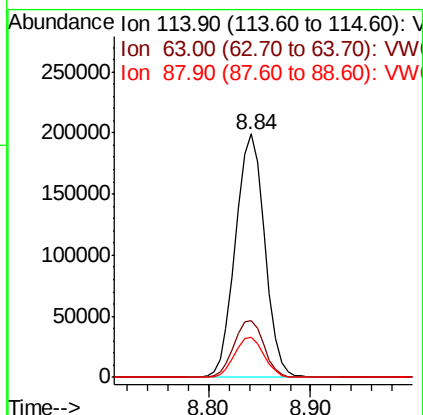
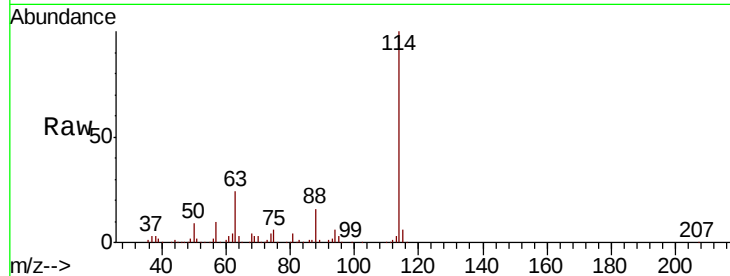




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012525.D
 Acq: 03 Sep 2019 03:40

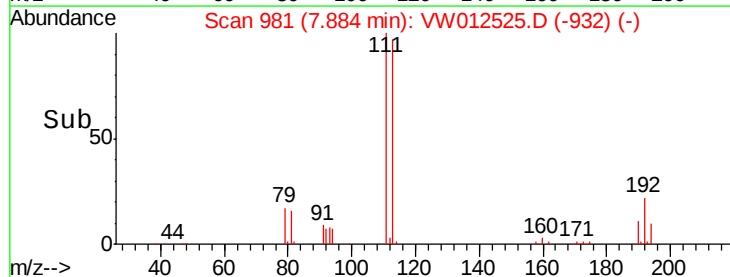
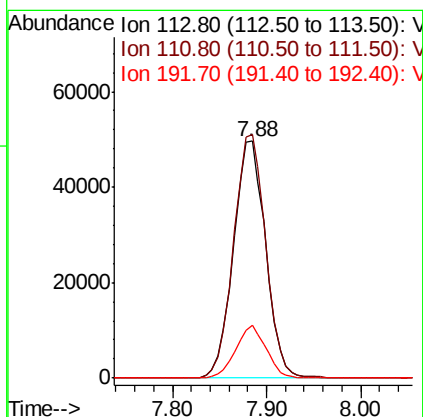
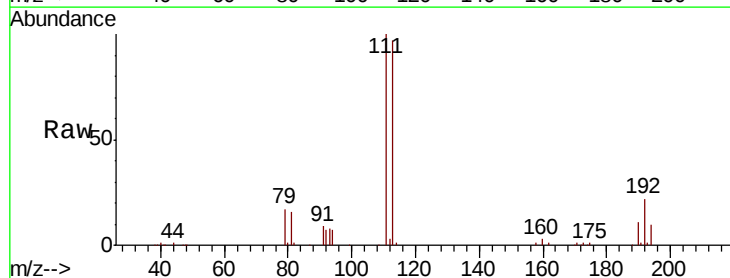
Instrument :
 MSVOA_W
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 T16-17-C2-(0)

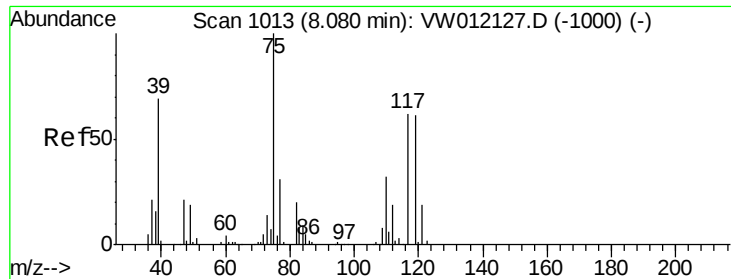
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	48.6
88	16.2	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 50.257 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012525.D
 Acq: 03 Sep 2019 03:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	21.0	16.2	24.2

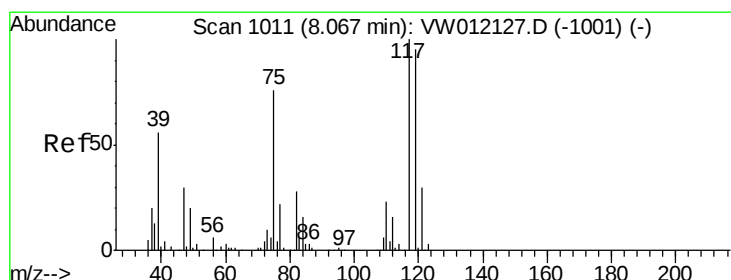
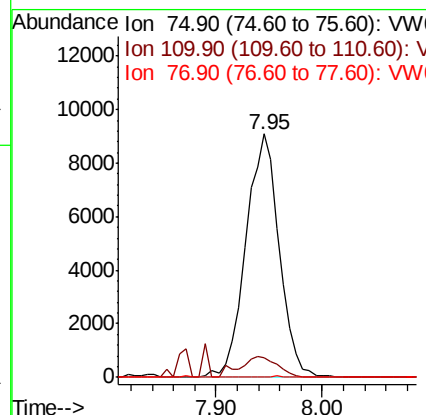
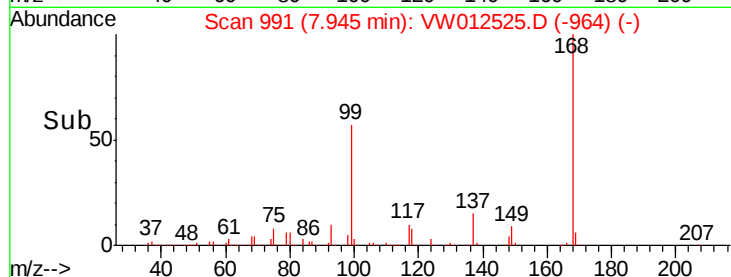
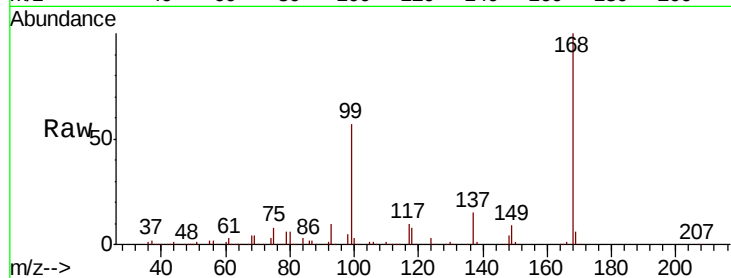




#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012525.D
 Acq: 03 Sep 2019 03:40

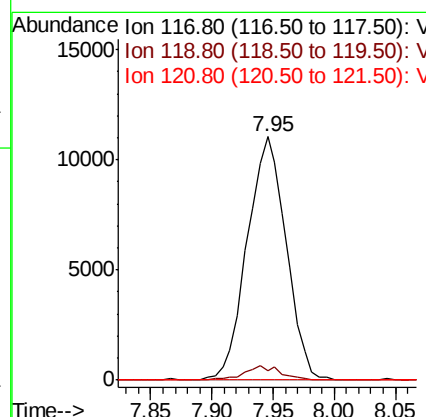
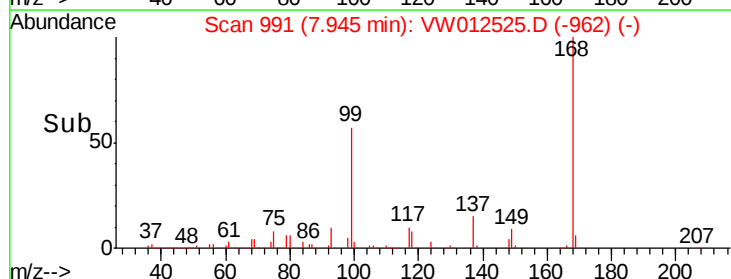
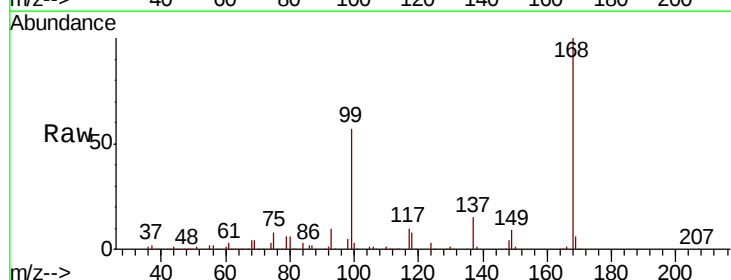
Instrument :
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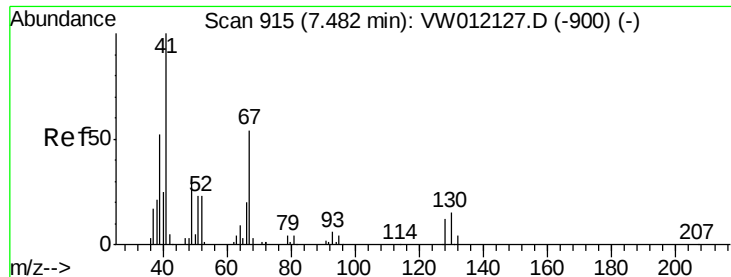
Tgt Ion: 75 Resp: 19938
 Ion Ratio Lower Upper
 75 100
 110 9.8 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.928 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012525.D
 Acq: 03 Sep 2019 03:40

Tgt Ion: 117 Resp: 24452
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.270 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012525.D

Acq: 03 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C2-(0)

Tgt Ion: 41 Resp: 2981

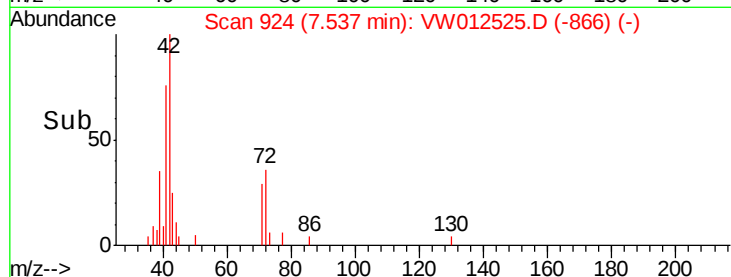
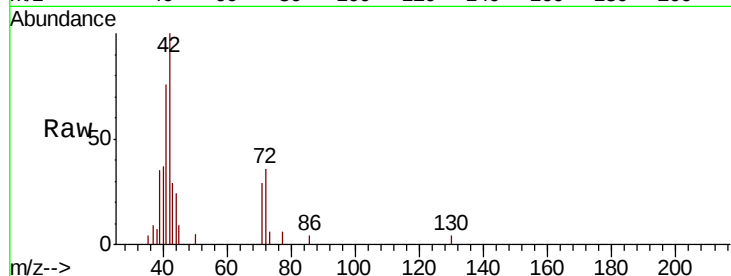
Ion Ratio Lower Upper

41 100

39 47.4 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

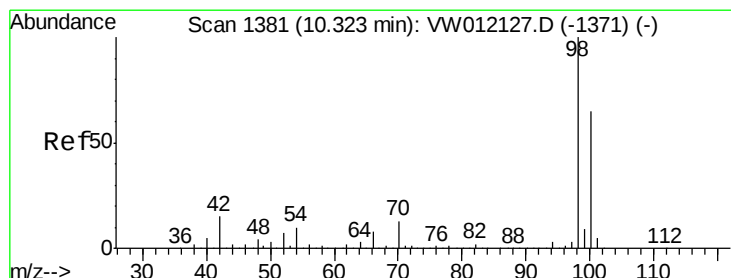
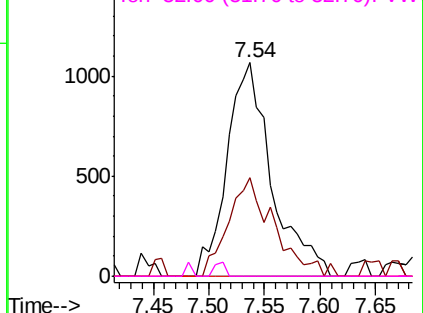


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 48.758 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012525.D

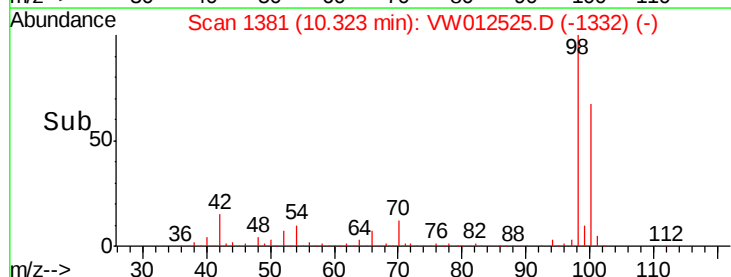
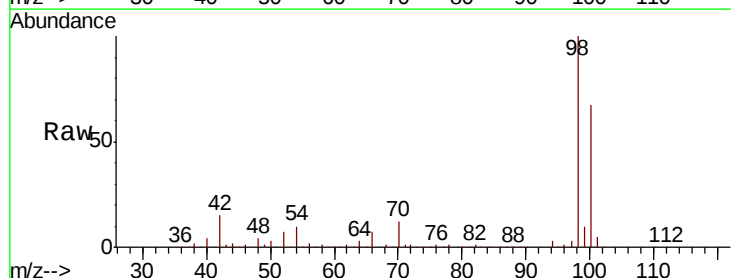
Acq: 03 Sep 2019 03:40

Tgt Ion: 98 Resp: 465657

Ion Ratio Lower Upper

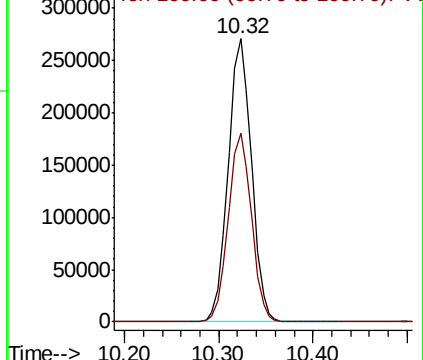
98 100

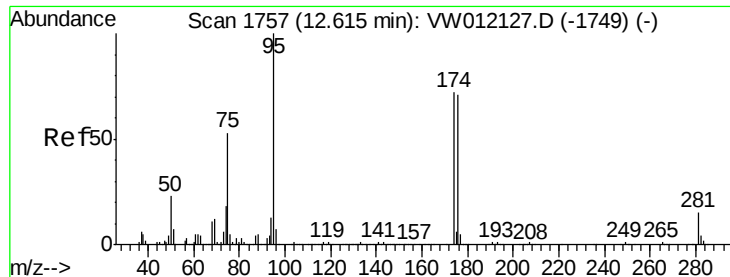
100 66.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

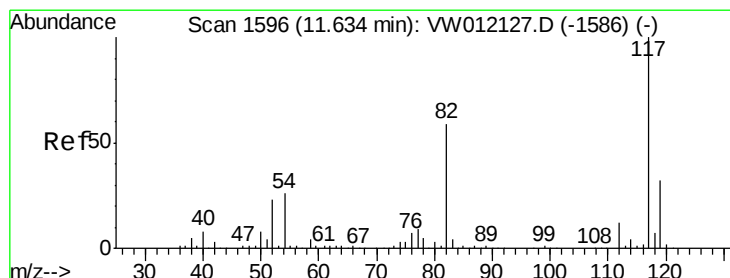
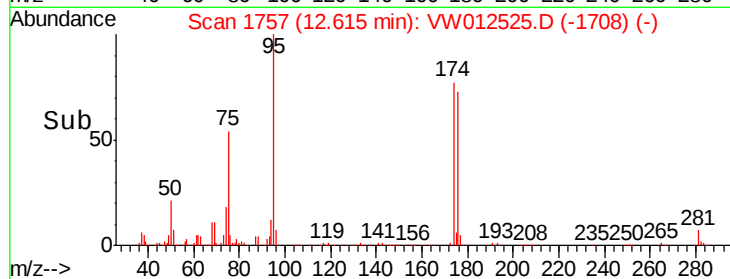
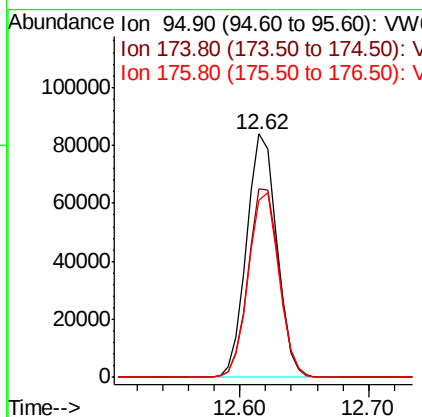
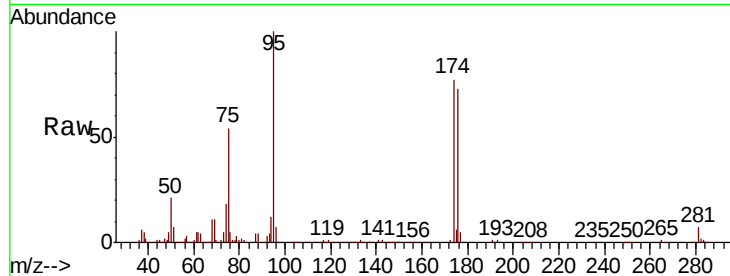




#62
4-Bromofluorobenzene
Concen: 40.197 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012525.D
Acq: 03 Sep 2019 03:40

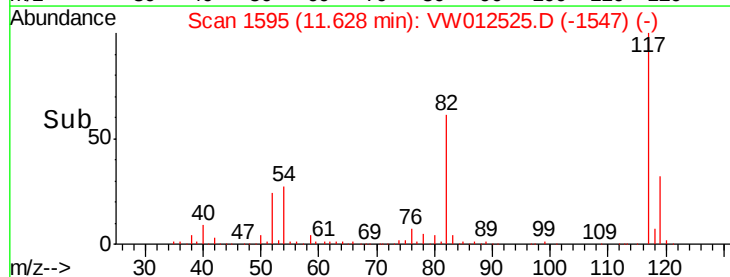
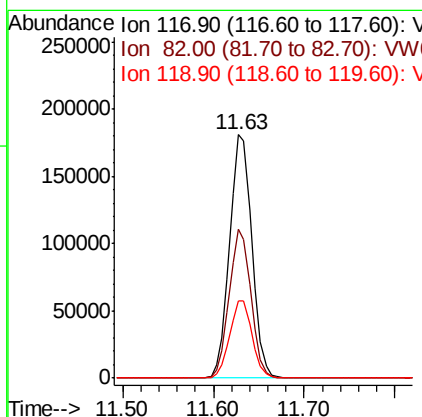
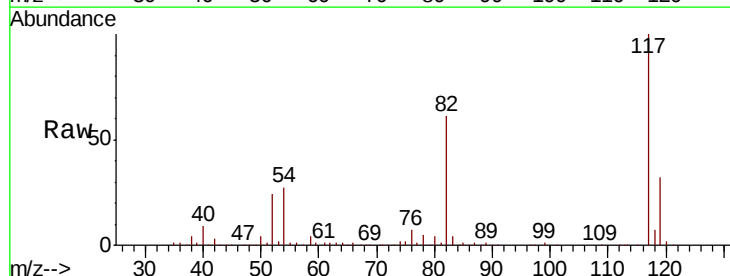
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C2-(0)

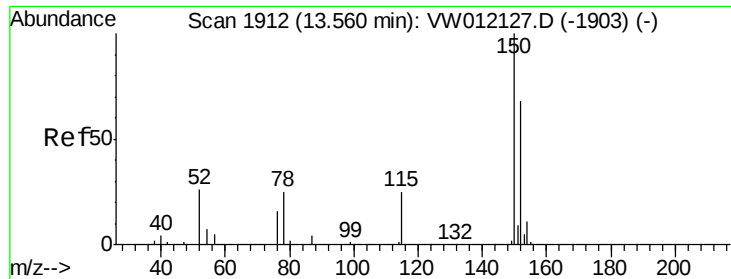
Tgt Ion: 95 Resp: 135321
Ion Ratio Lower Upper
95 100
174 79.8 0.0 150.8
176 76.6 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012525.D
Acq: 03 Sep 2019 03:40

Tgt Ion: 117 Resp: 308151
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 31.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012525.D

Acq: 03 Sep 2019 03:40

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C2-(0)

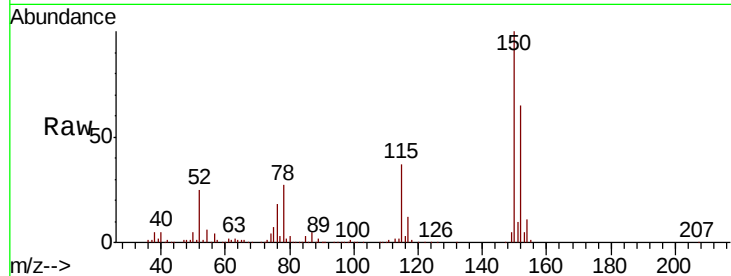
Tgt Ion:152 Resp: 107256

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.3

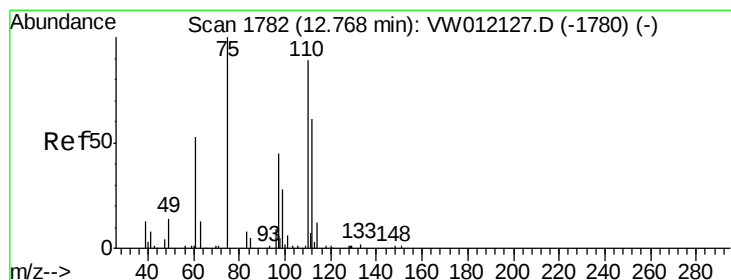
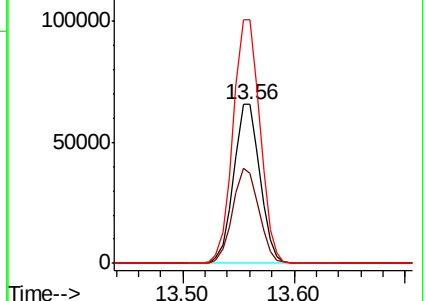
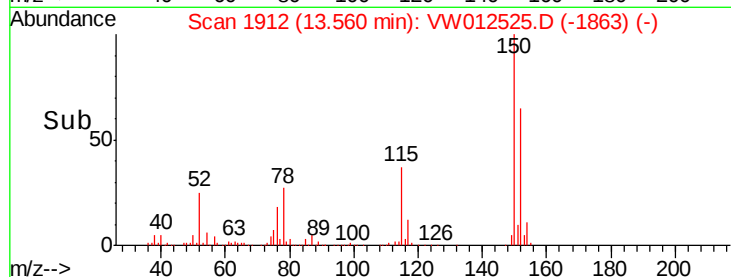
150 157.2 0.0 345.8



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: 69.288 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012525.D

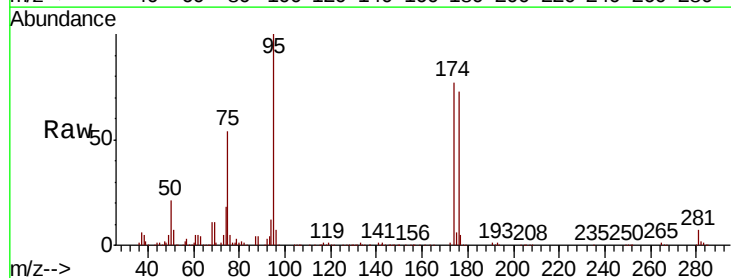
Acq: 03 Sep 2019 03:40

Tgt Ion: 75 Resp: 72378

Ion Ratio Lower Upper

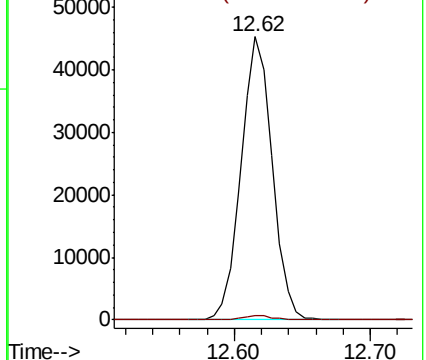
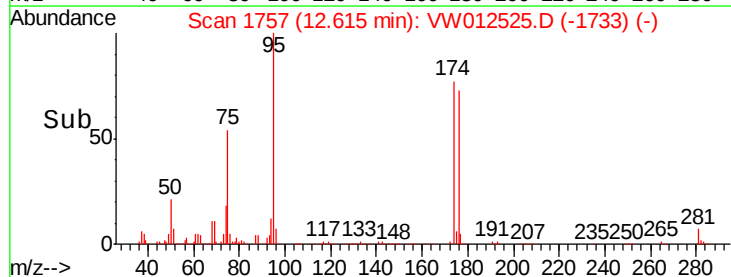
75 100

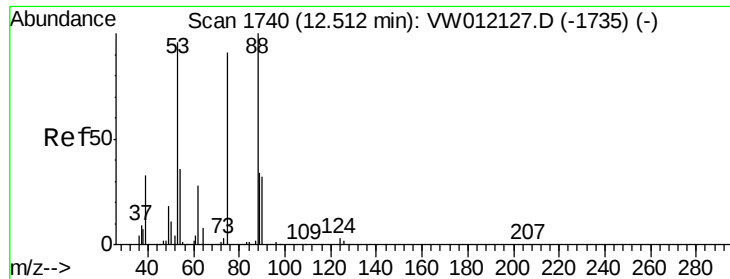
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

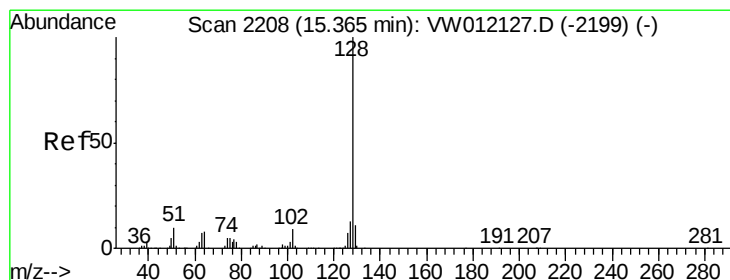
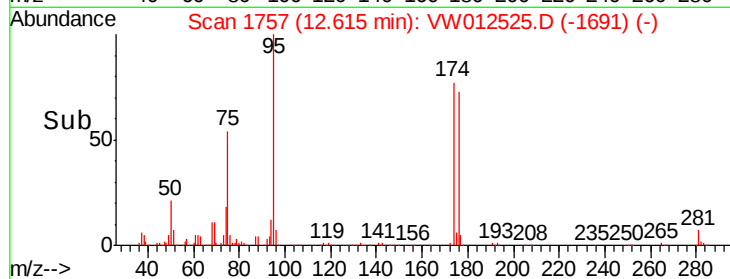
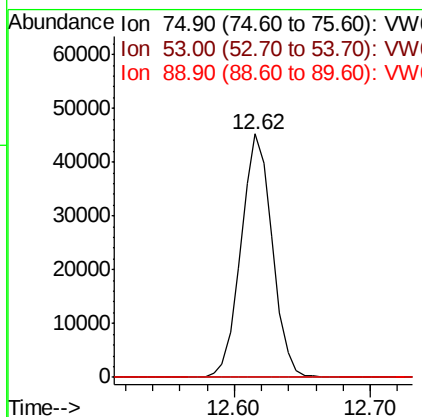
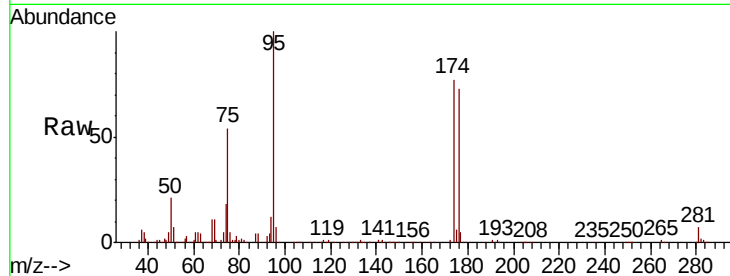




#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.916 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012525.D
 Acq: 03 Sep 2019 03:40

Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C2-(0)

Tgt Ion: 75 Resp: 72378
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.396 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012525.D
 Acq: 03 Sep 2019 03:40

Tgt Ion: 128 Resp: 332
 Ion Ratio Lower Upper
 128 100
 127 5.7 10.7 16.1#
 129 0.0 8.7 13.1#

