

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012526.D
 Acq On : 03 Sep 2019 04:06
 Operator : SY/VA
 Sample : K4544-13
 Misc : 3.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 03 07:46:28 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

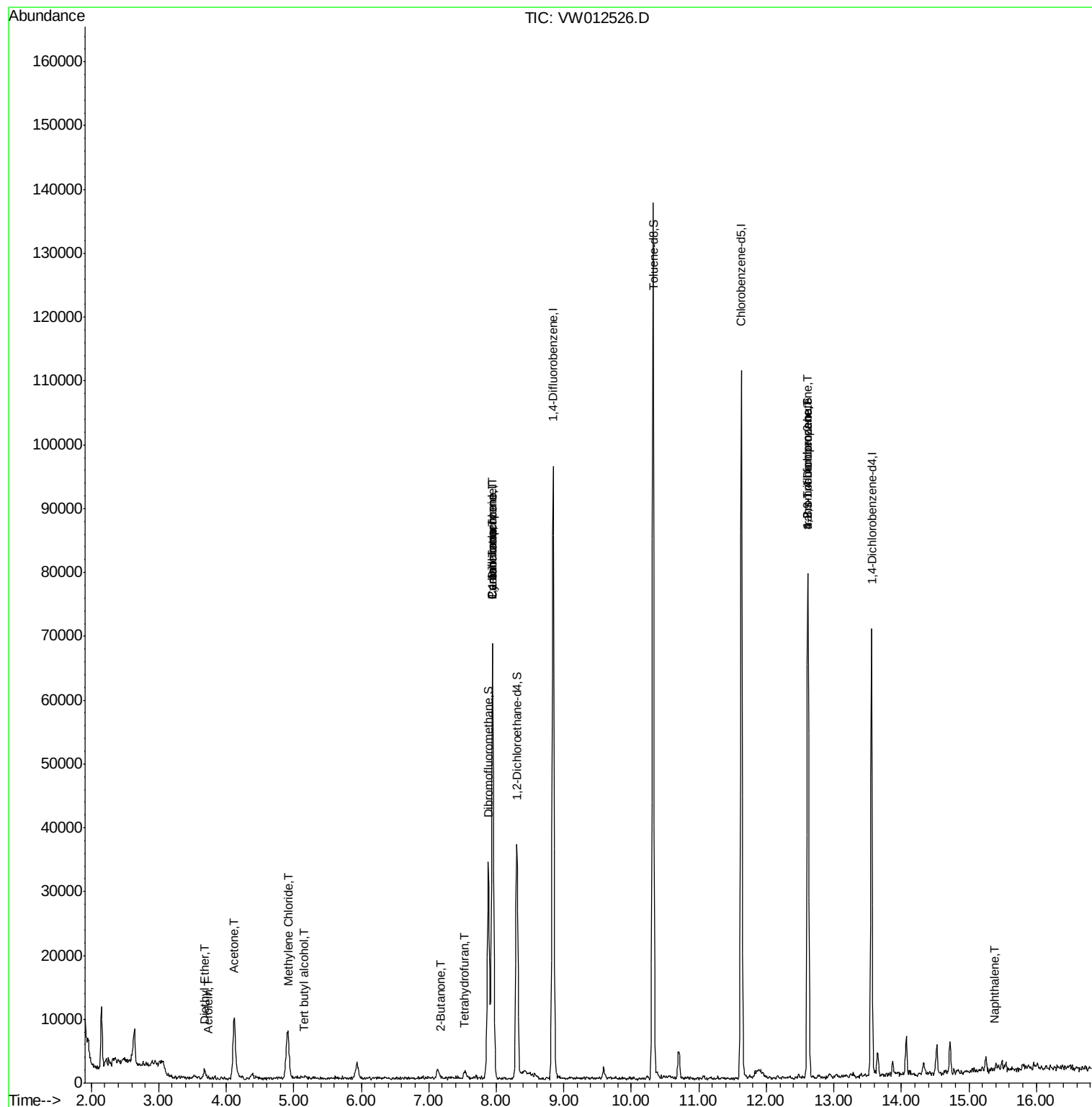
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	48594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	75406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	61252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	17584	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	30284	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
35) Dibromofluoromethane	7.88	113	24131	53.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.22%	
50) Toluene-d8	10.32	98	89453	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.62	95	25369	39.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.86%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	666	2.463	ug/l	88
11) Tert butyl alcohol	5.15	59	121	3.481	ug/l #	71
13) Acrolein	3.73	56	41	1.253	ug/l #	15
16) Acetone	4.12	43	17245	116.786	ug/l	96
20) Methylene Chloride	4.92	84	5156	9.236	ug/l	95
25) 2-Butanone	7.18	43	209	1.042	ug/l #	56
29) Tetrahydrofuran	7.52	42	611	5.075	ug/l #	60
31) Cyclohexane	7.95	56	1264	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4197	5.386	ug/l #	54
38) Carbon Tetrachloride	7.95	117	4890	7.250	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	13419	78.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13419	171.800	ug/l #	6
95) Naphthalene	15.38	128	141	4.515	ug/l #	69

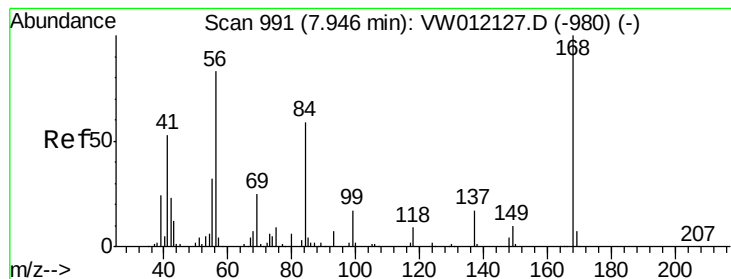
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012526.D

Acq: 03 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

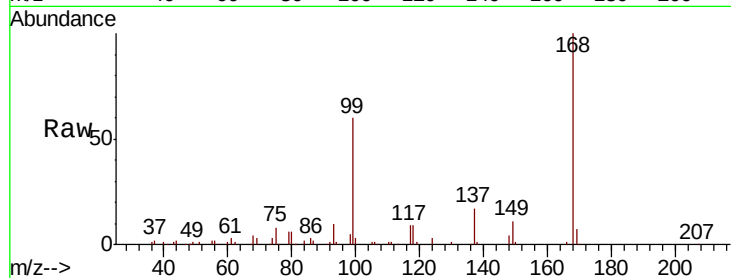
T16-17-C3-(0)

Tgt Ion:168 Resp: 48594

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

25000

20000

15000

10000

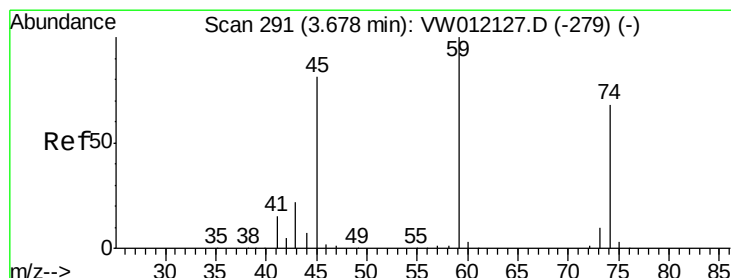
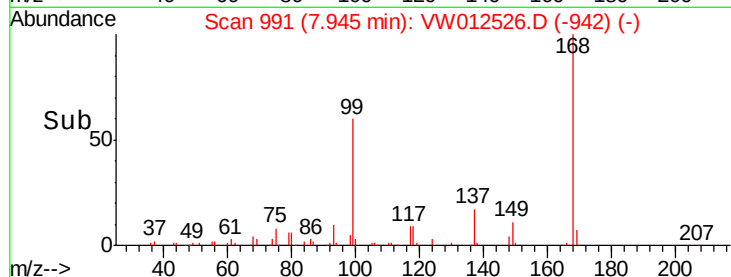
5000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.463 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012526.D

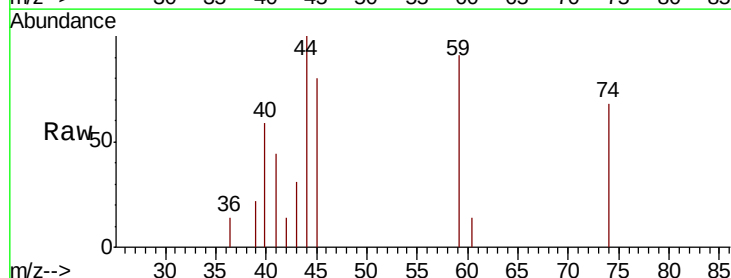
Acq: 03 Sep 2019 04:06

Tgt Ion: 74 Resp: 666

Ion Ratio Lower Upper

74 100

45 131.7 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

400

300

200

100

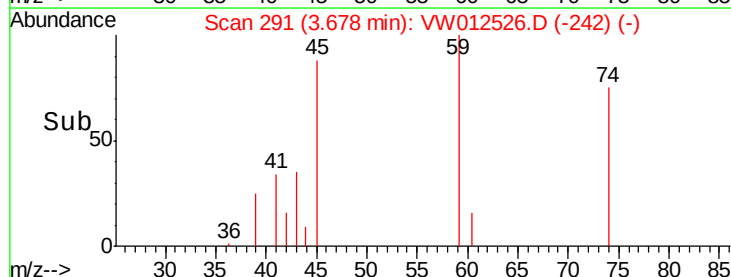
0

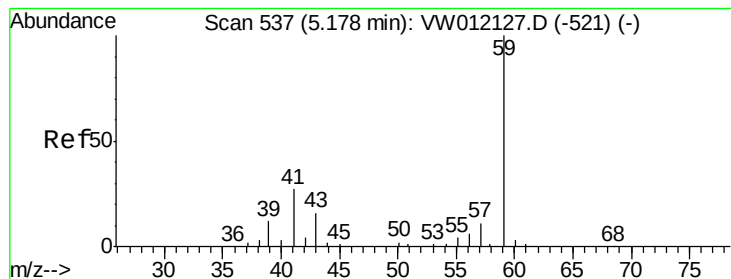
3.65

3.70

3.75

Time-->





#11

Tert butyl alcohol

Concen: 3.481 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW012526.D

Acq: 03 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

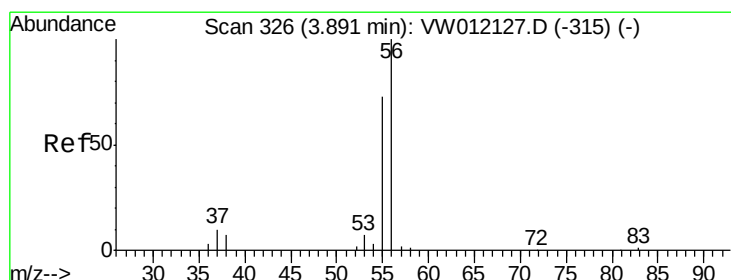
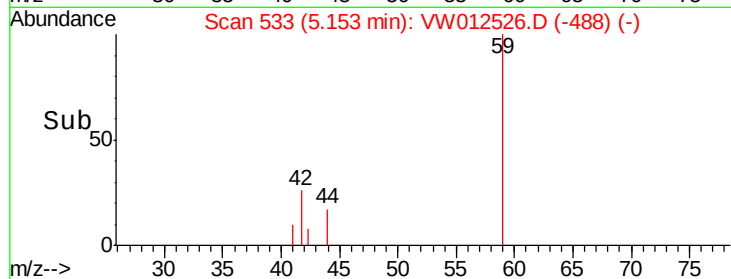
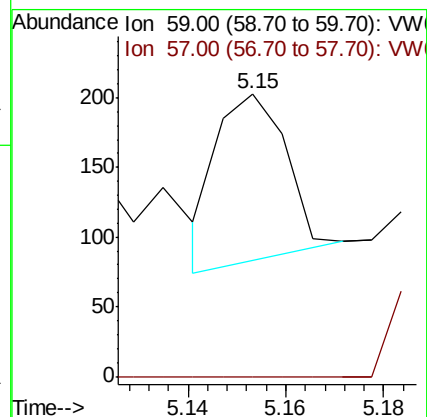
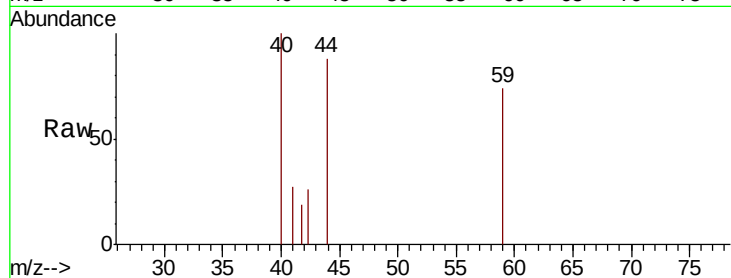
T16-17-C3-(0)

Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#13

Acrolein

Concen: 1.253 ug/l

RT: 3.73 min Scan# 299

Delta R.T. -0.16 min

Lab File: VW012526.D

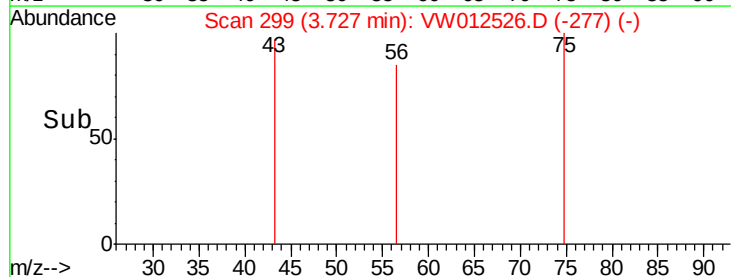
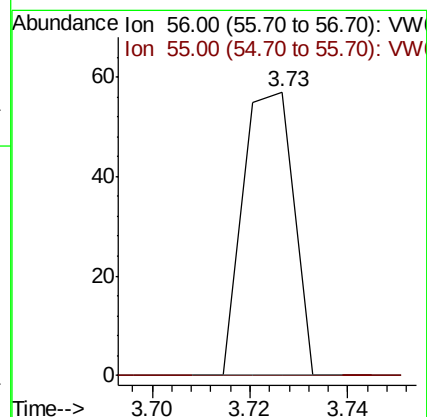
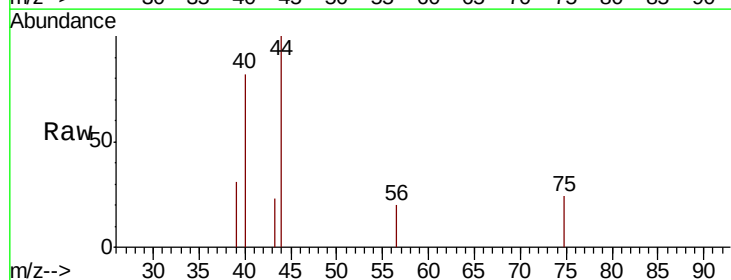
Acq: 03 Sep 2019 04:06

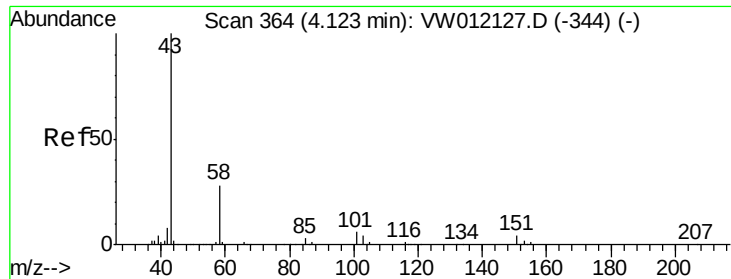
Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#

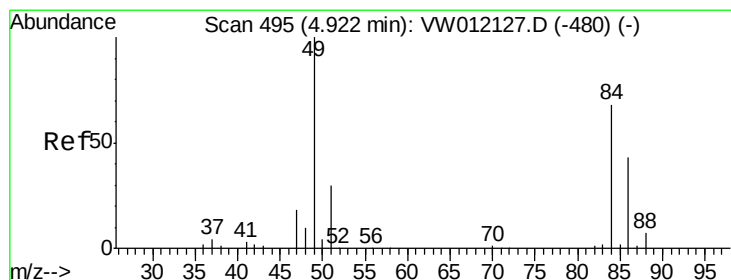
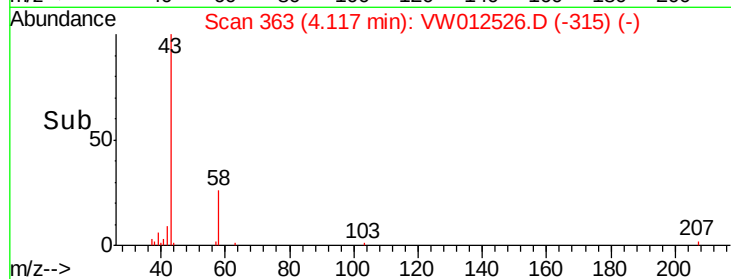
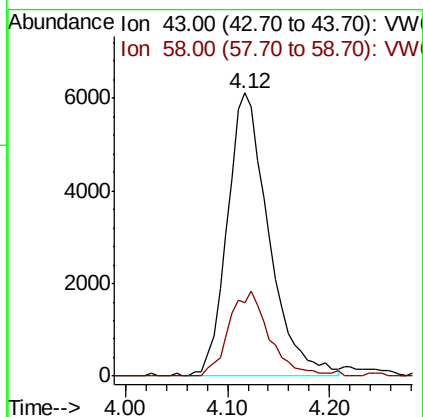
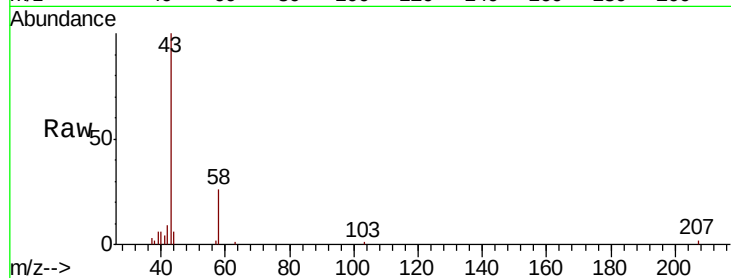




#16
Acetone
Concen: 116.786 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

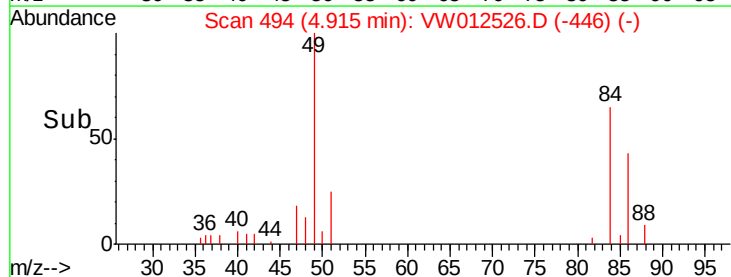
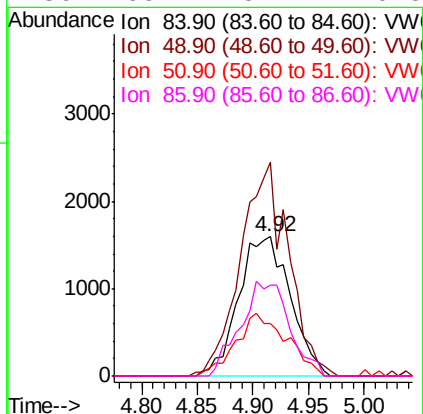
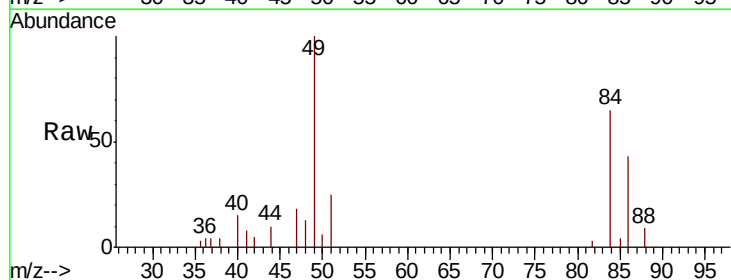
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C3-(0)

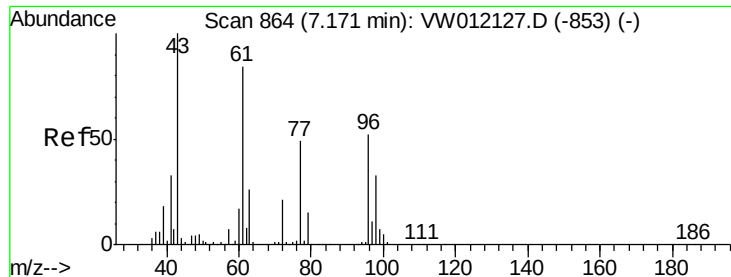
Tgt Ion: 43 Resp: 17245
Ion Ratio Lower Upper
43 100
58 25.8 22.4 33.6



#20
Methylene Chloride
Concen: 9.236 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

Tgt Ion: 84 Resp: 5156
Ion Ratio Lower Upper
84 100
49 153.4 117.8 176.8
51 37.7 35.6 53.4
86 65.2 51.2 76.8

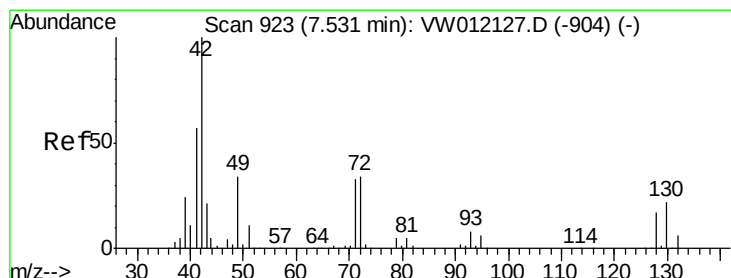
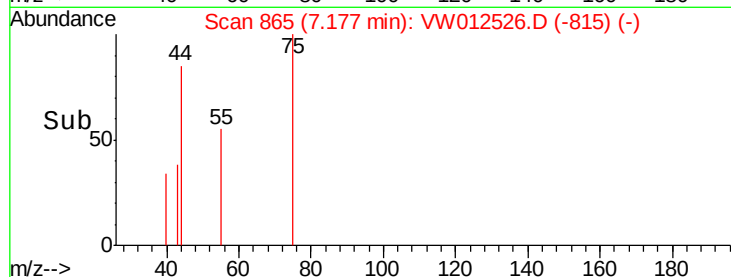
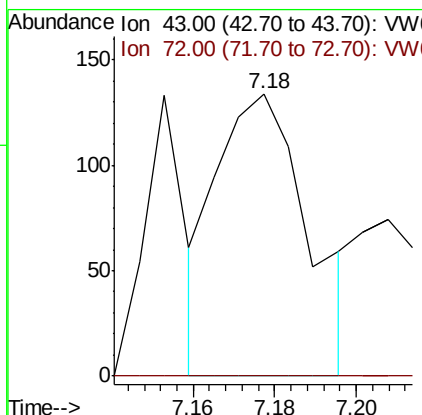
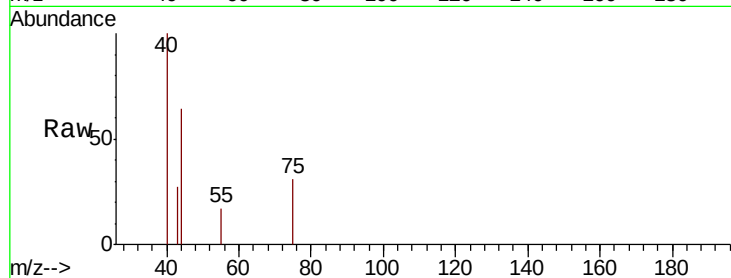




#25
 2-Butanone
 Concen: 1.042 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

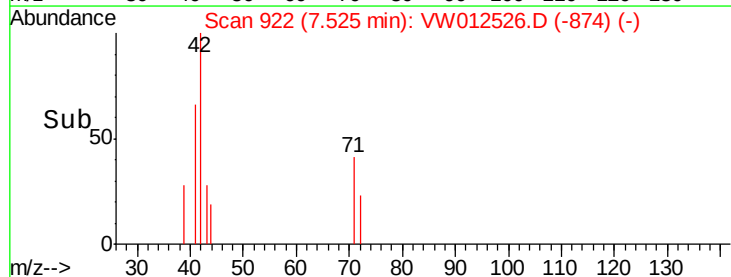
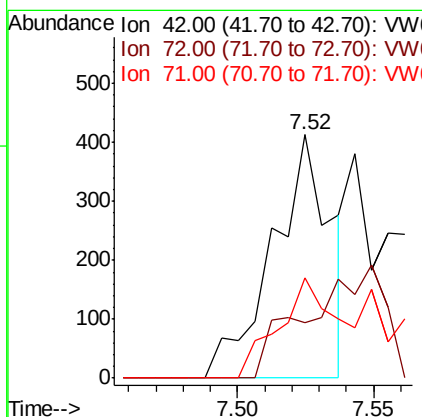
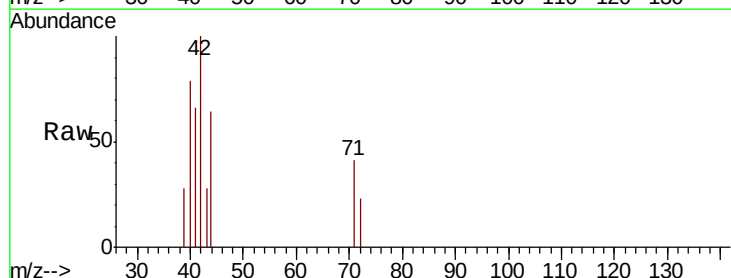
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C3-(0)

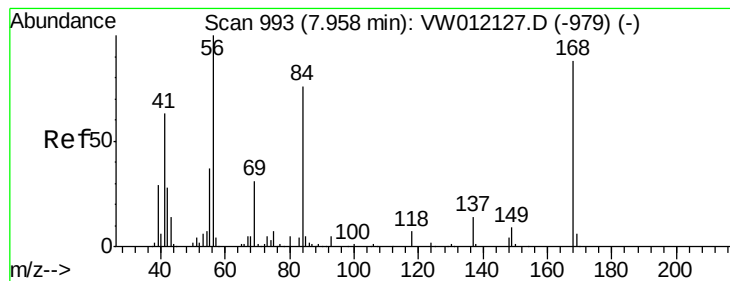
Tgt Ion: 43 Resp: 209
 Ion Ratio Lower Upper
 43 100
 72 0.0 16.6 24.8#



#29
 Tetrahydrofuran
 Concen: 5.075 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

Tgt Ion: 42 Resp: 611
 Ion Ratio Lower Upper
 42 100
 72 0.0 27.3 40.9#
 71 42.4 25.5 38.3#





#31

Cyclohexane

Concen: 1.215 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012526.D

Acq: 03 Sep 2019 04:06

Instrument :

MSVOA_W

ClientSampleId :

T16-17-C3-(0)

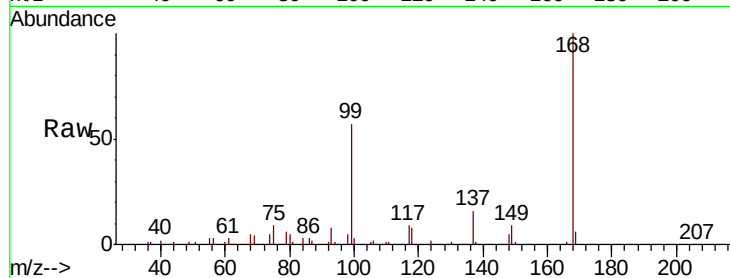
Tgt Ion: 56 Resp: 1264

Ion Ratio Lower Upper

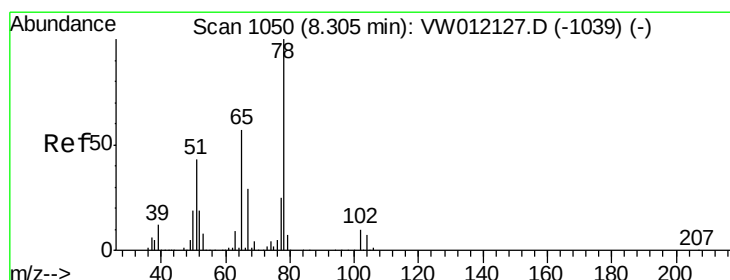
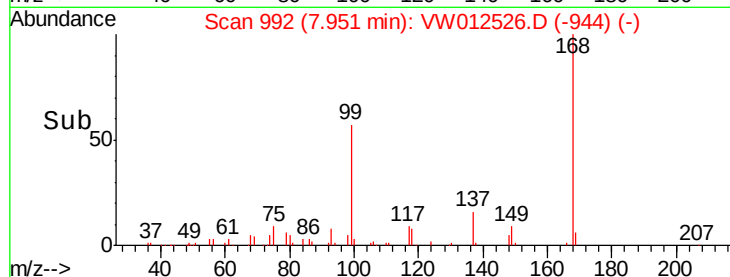
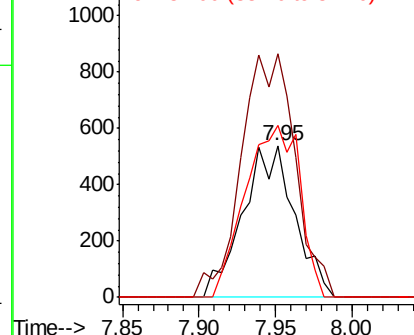
56 100

69 160.8 24.9 37.3#

84 113.4 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: 52.425 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012526.D

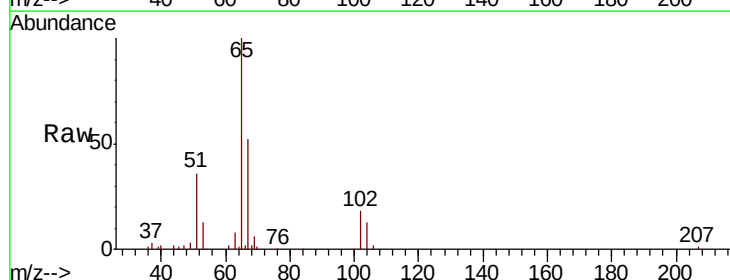
Acq: 03 Sep 2019 04:06

Tgt Ion: 65 Resp: 30284

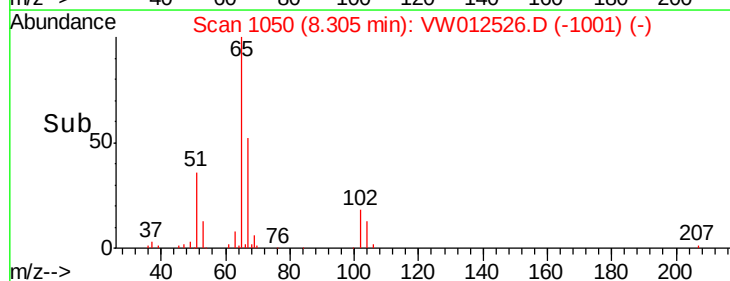
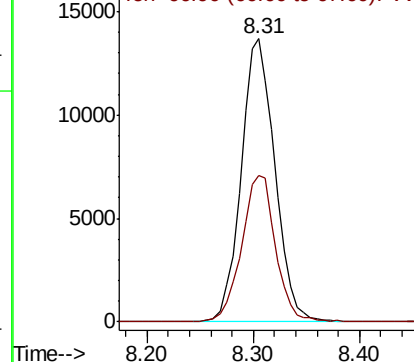
Ion Ratio Lower Upper

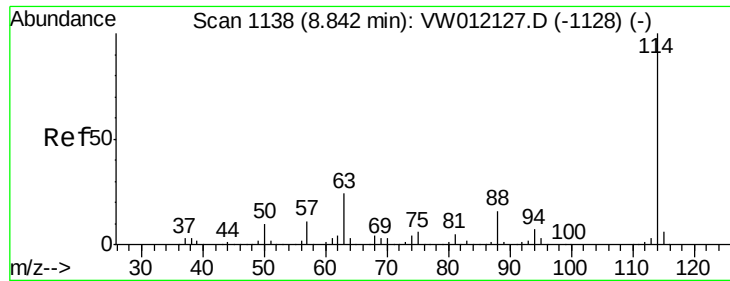
65 100

67 52.2 0.0 102.6



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

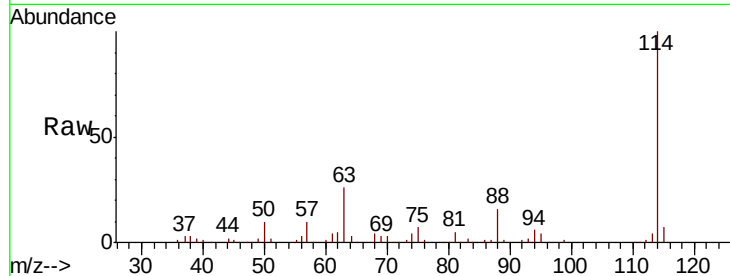




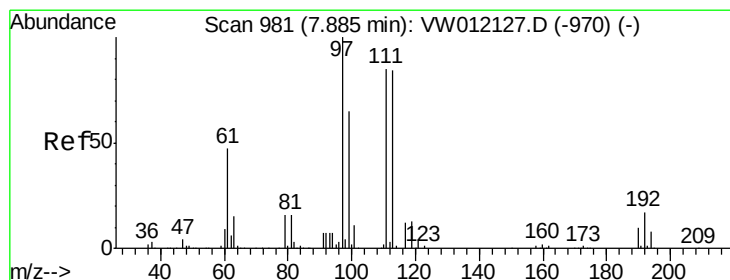
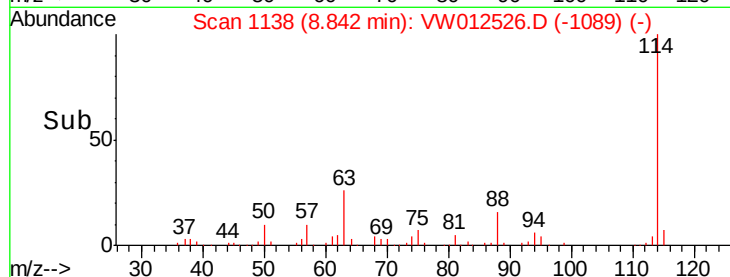
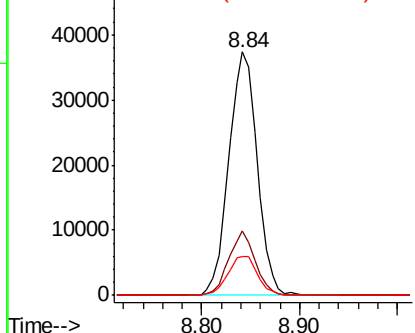
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

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

Tgt Ion:114 Resp: 75406
 Ion Ratio Lower Upper
 114 100
 63 26.3 0.0 48.6
 88 15.9 0.0 32.2

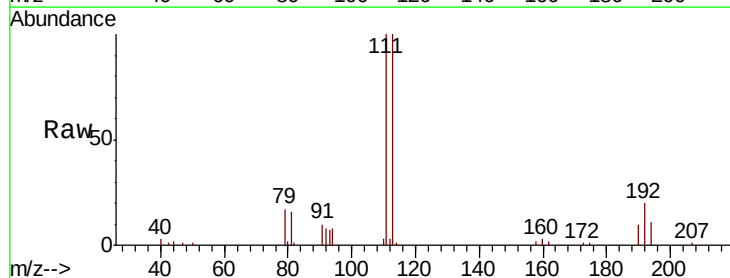


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

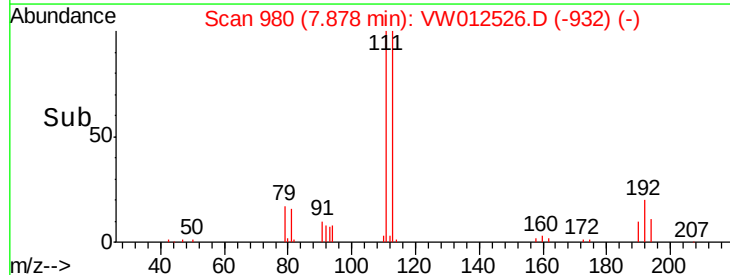
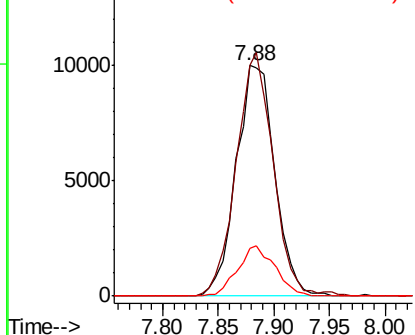


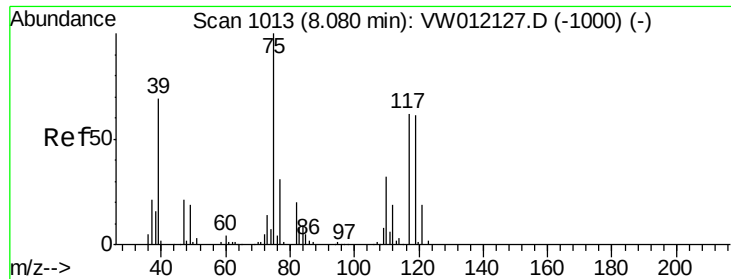
#35
 Dibromofluoromethane
 Concen: 53.612 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

Tgt Ion:113 Resp: 24131
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.7 124.1
 192 21.1 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

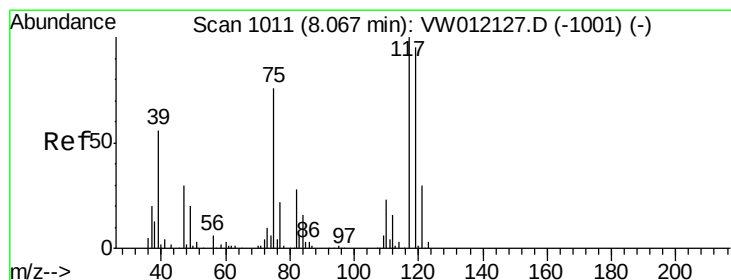
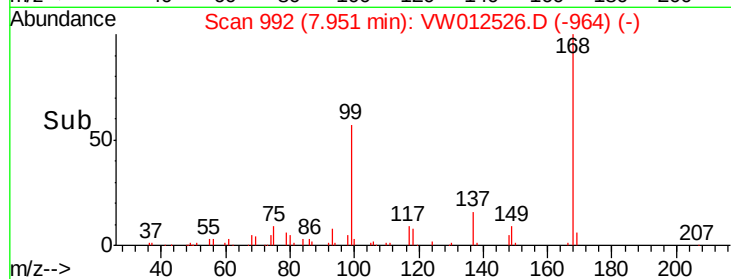
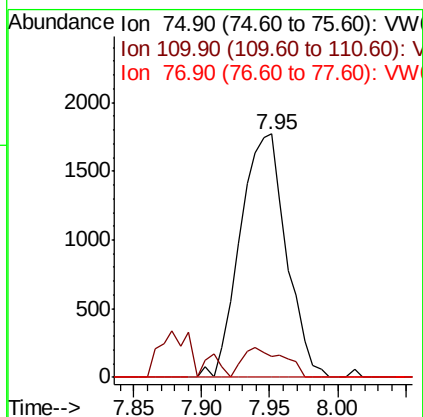
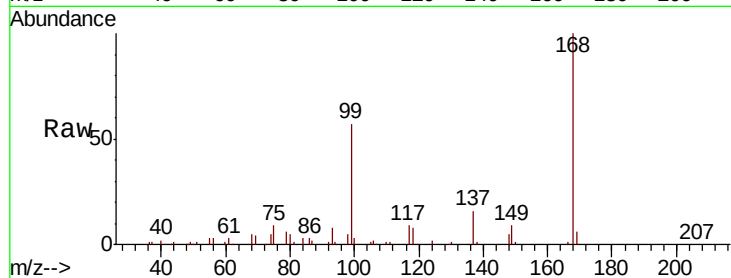




#36
 1,1-Dichloropropene
 Concen: 5.386 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

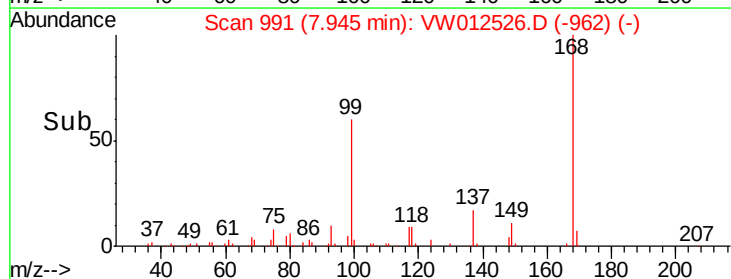
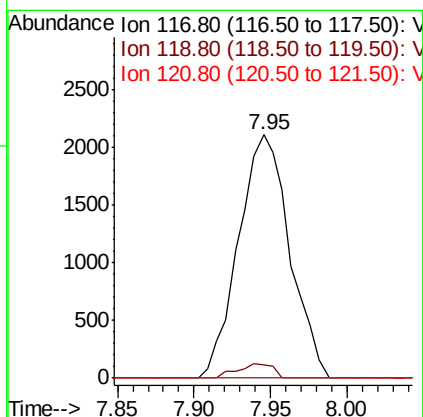
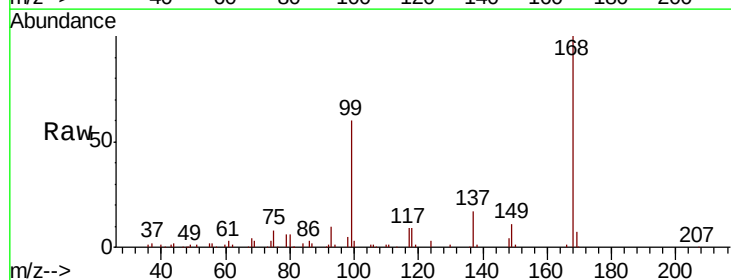
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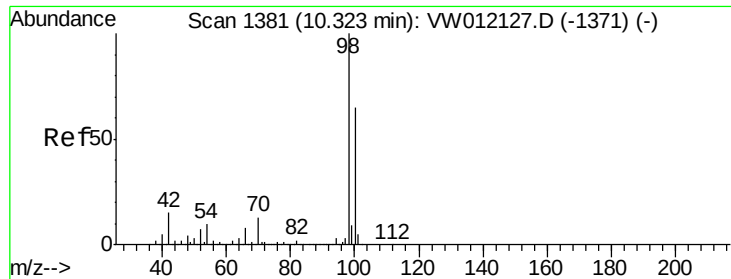
Tgt Ion: 75 Resp: 4197
 Ion Ratio Lower Upper
 75 100
 110 10.9 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.250 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

Tgt Ion: 117 Resp: 4890
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.0 23.8 35.8#

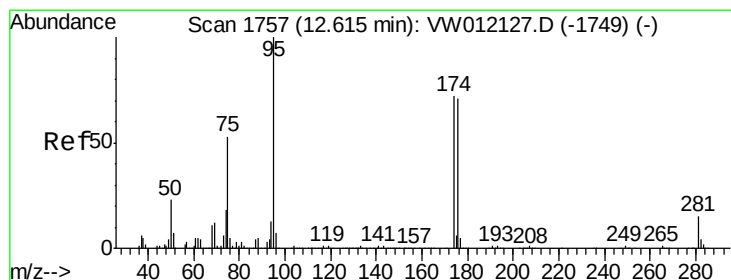
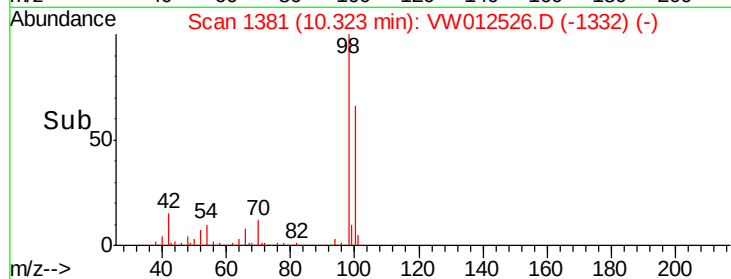
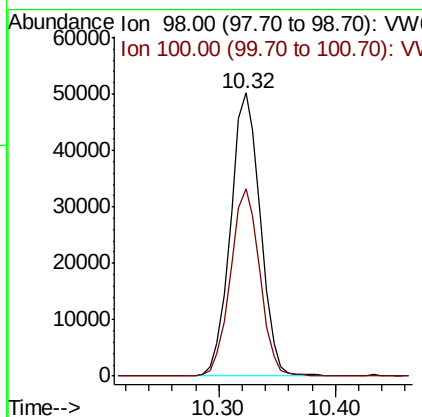
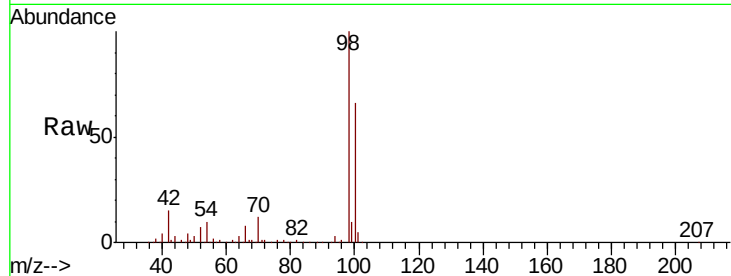




#50
Toluene-d8
Concen: 49.015 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

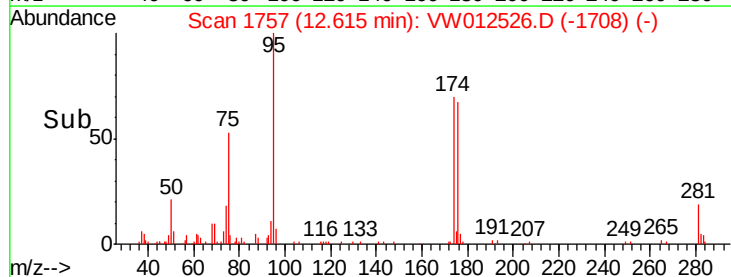
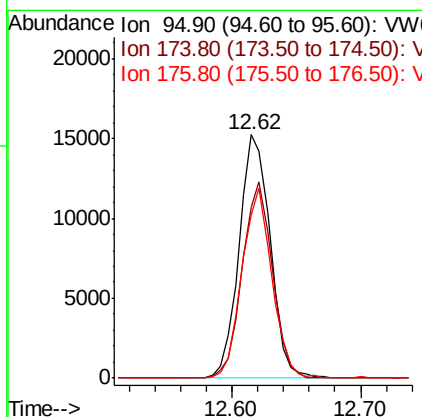
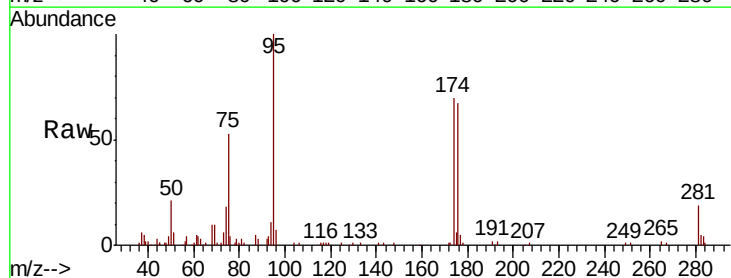
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C3-(0)

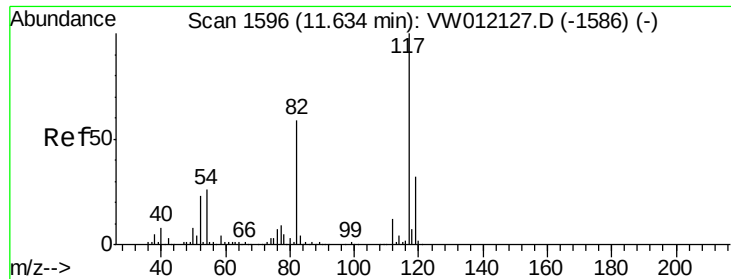
Tgt Ion: 98 Resp: 89453
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 39.434 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

Tgt Ion: 95 Resp: 25369
Ion Ratio Lower Upper
95 100
174 77.5 0.0 150.8
176 74.7 0.0 148.6

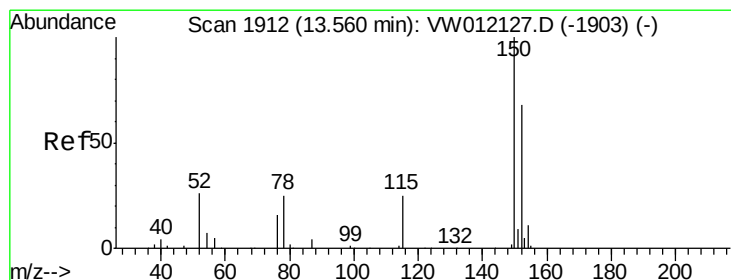
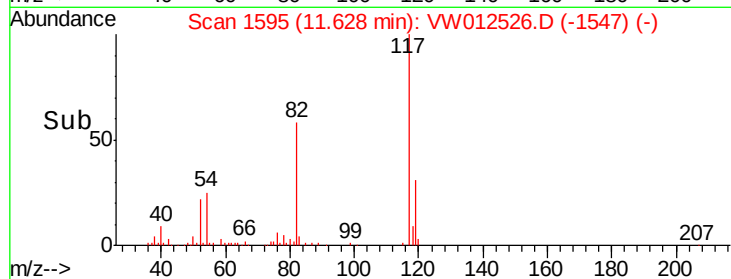
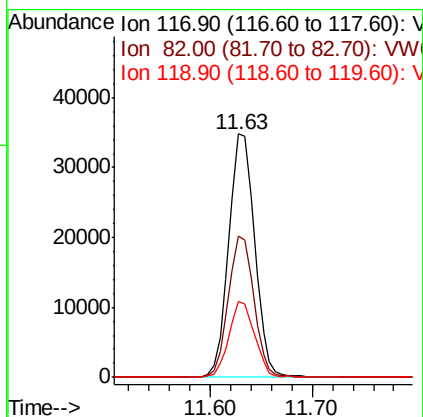
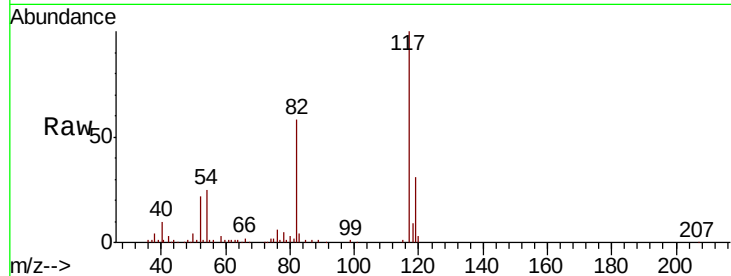




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

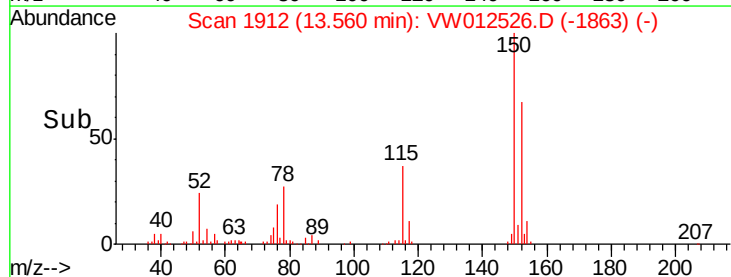
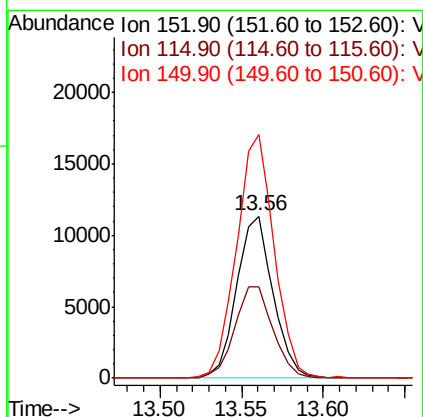
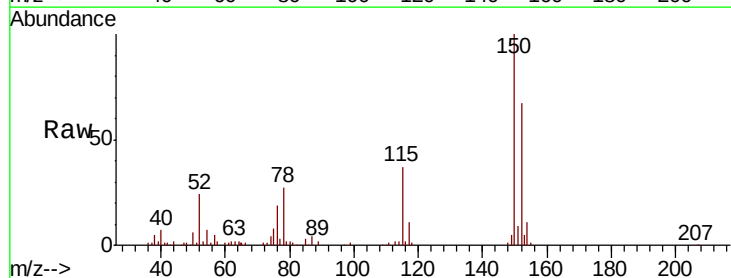
Instrument :
MSVOA_W
ClientSampleId :
T16-17-C3-(0)

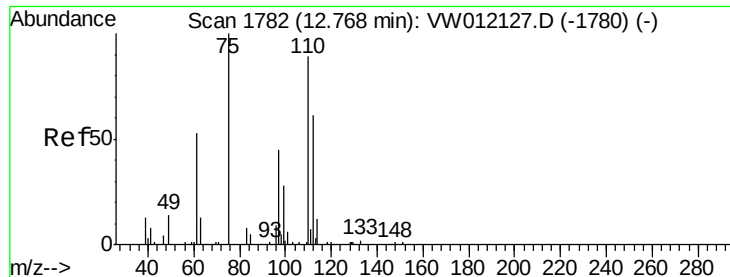
Tgt Ion:117 Resp: 61252
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 30.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

Tgt Ion:152 Resp: 17584
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.3
150 155.4 0.0 345.8

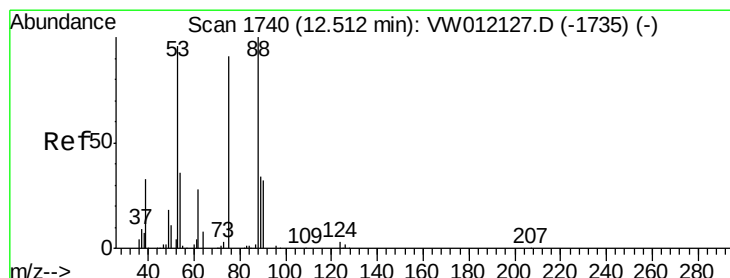
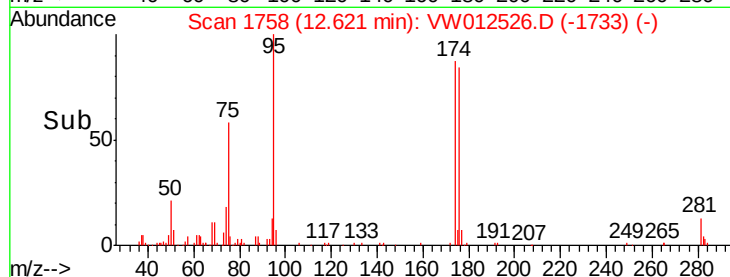
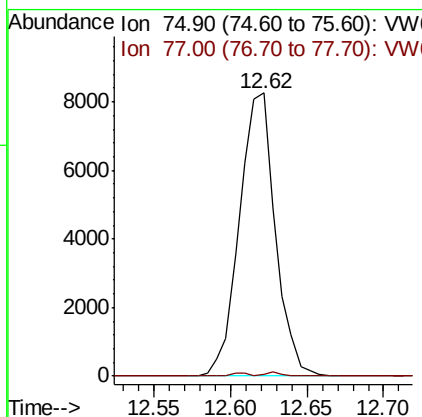
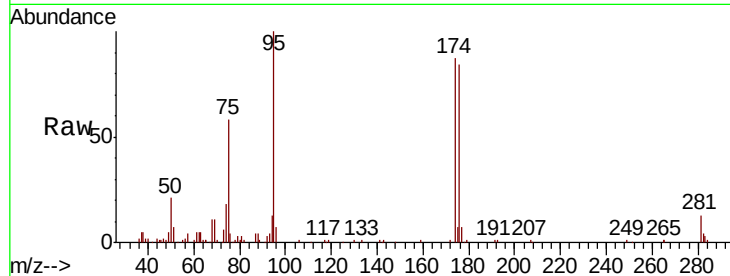




#76
 1,2,3-Trichloropropane
 Concen: 78.357 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

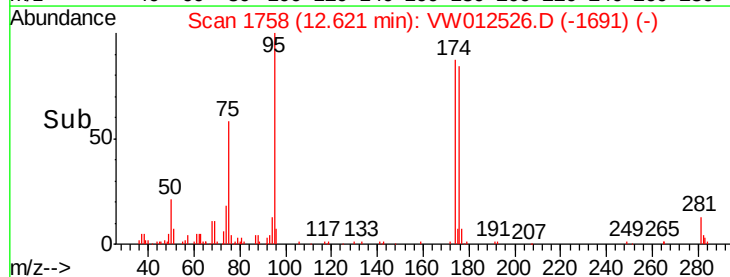
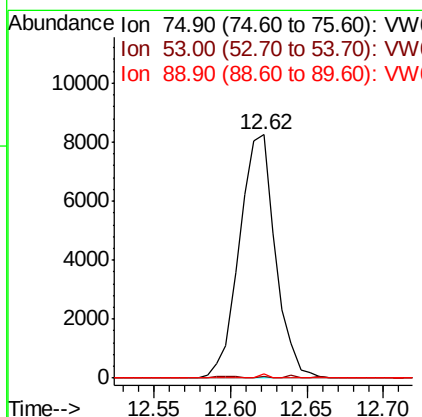
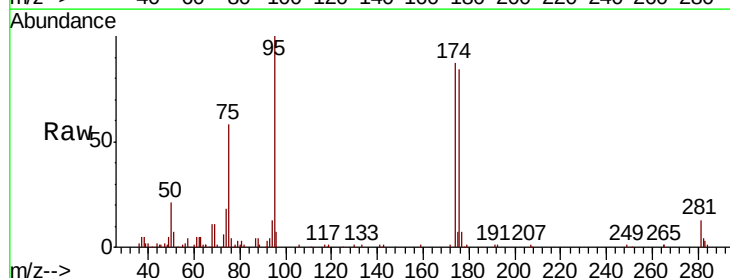
Instrument :
 MSVOA_W
 ClientSampleId :
 T16-17-C3-(0)

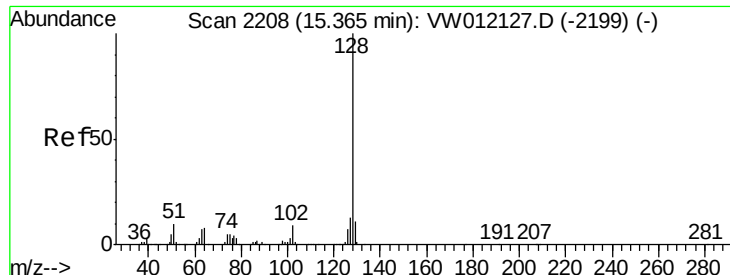
Tgt Ion: 75 Resp: 13419
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.800 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW012526.D
 Acq: 03 Sep 2019 04:06

Tgt Ion: 75 Resp: 13419
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.4 34.5 51.7#

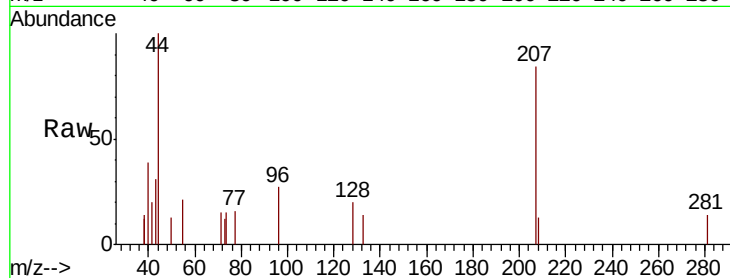




#95
Naphthalene
Concen: 4.515 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.02 min
Lab File: VW012526.D
Acq: 03 Sep 2019 04:06

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	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

