

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012476.D
 Acq On : 02 Sep 2019 04:33
 Operator : SY/VA
 Sample : K4528-02
 Misc : 5.55G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-Q3-(0)

Quant Time: Sep 02 07:26:01 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	56520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	85115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	62753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14232	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	37170	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
35) Dibromofluoromethane	7.88	113	28336	55.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.54%	
50) Toluene-d8	10.32	98	99086	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.62	95	23448	32.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.58%	

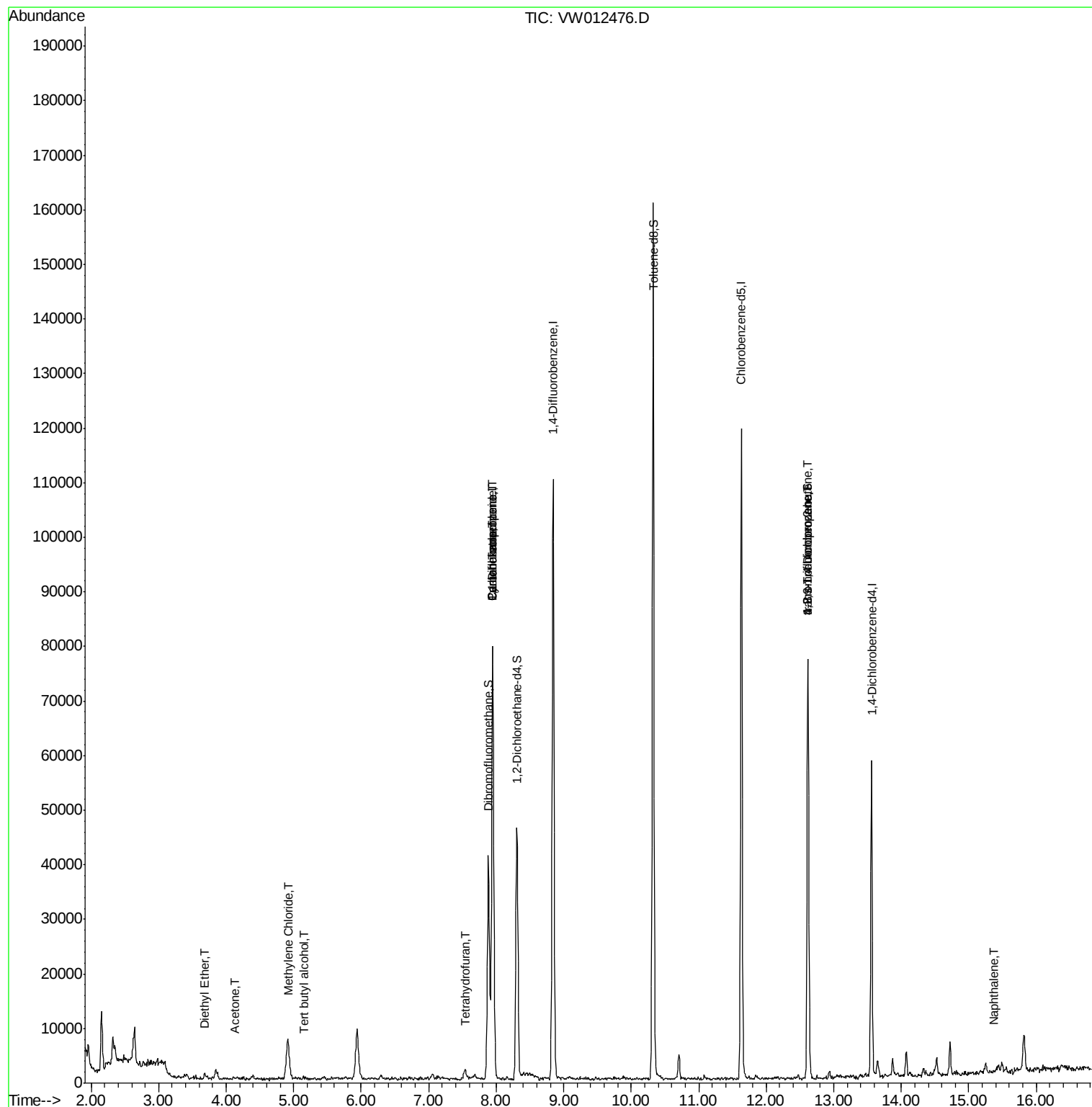
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	433	1.377	ug/l	97
11) Tert butyl alcohol	5.15	59	176	4.353	ug/l #	71
16) Acetone	4.13	43	864	5.031	ug/l #	86
20) Methylene Chloride	4.92	84	4612	7.103	ug/l	91
29) Tetrahydrofuran	7.55	42	1460	10.427	ug/l #	71
31) Cyclohexane	7.95	56	1621	1.339	ug/l #	34
36) 1,1-Dichloropropene	7.94	75	5119	5.820	ug/l #	54
38) Carbon Tetrachloride	7.95	117	5921	7.778	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	12898	93.053	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	12898	204.022	ug/l #	6
95) Naphthalene	15.36	128	86	4.467	ug/l #	59

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

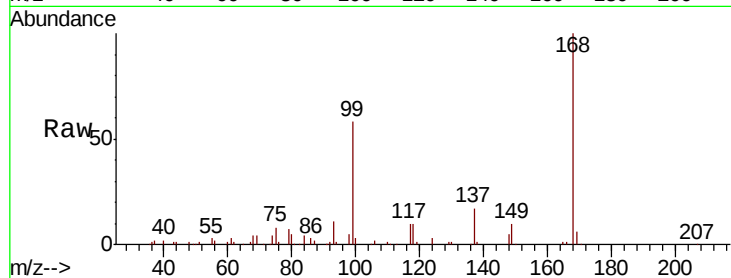
T9-12-13-Q3-(0)

Tgt Ion:168 Resp: 56520

Ion Ratio Lower Upper

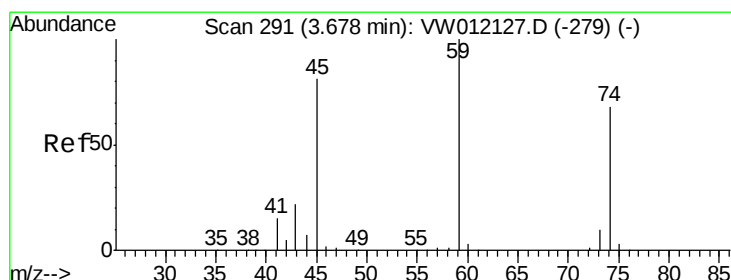
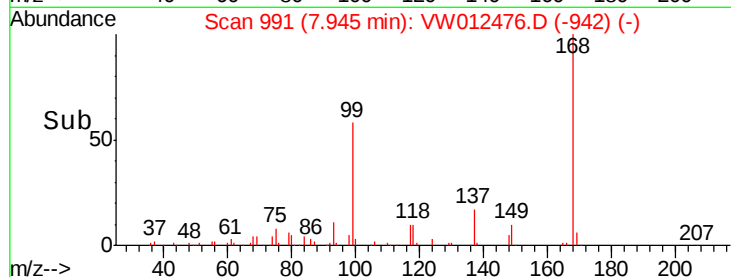
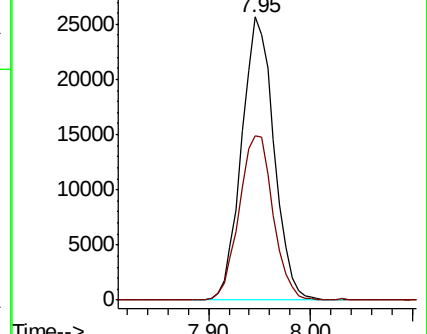
168 100

99 58.0 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: 1.377 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012476.D

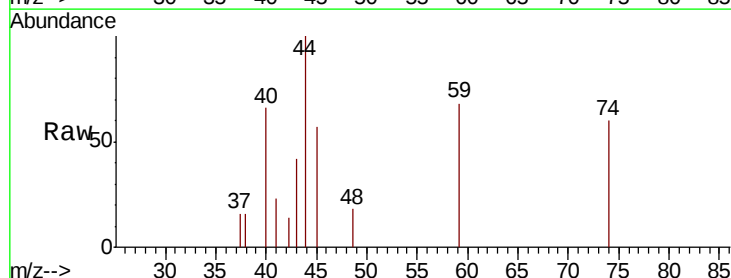
Acq: 02 Sep 2019 04:33

Tgt Ion: 74 Resp: 433

Ion Ratio Lower Upper

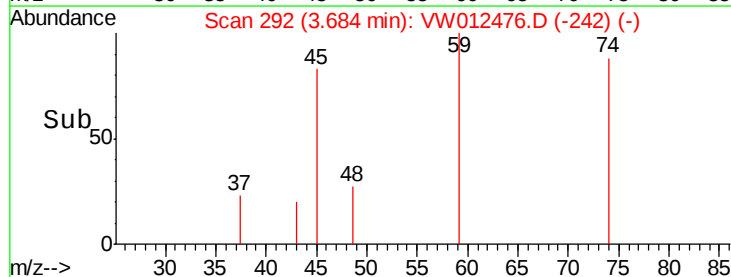
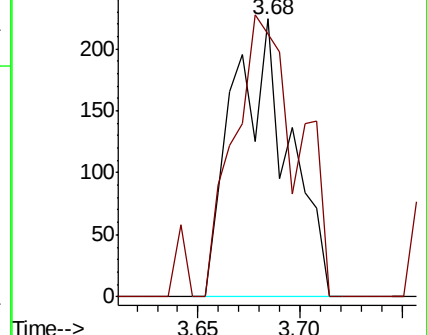
74 100

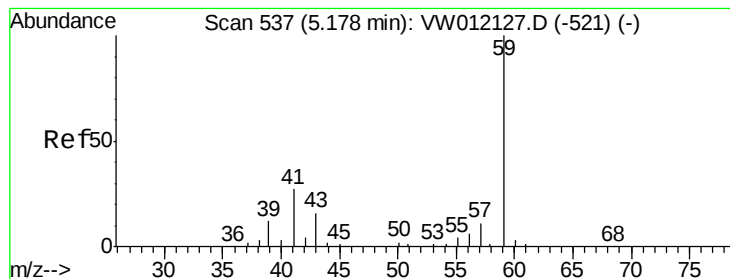
45 114.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 4.353 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampled :

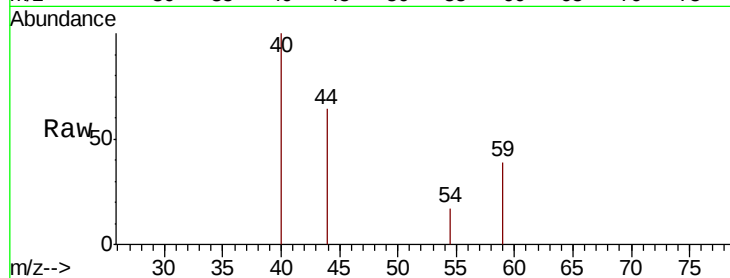
T9-12-13-Q3-(0)

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

150

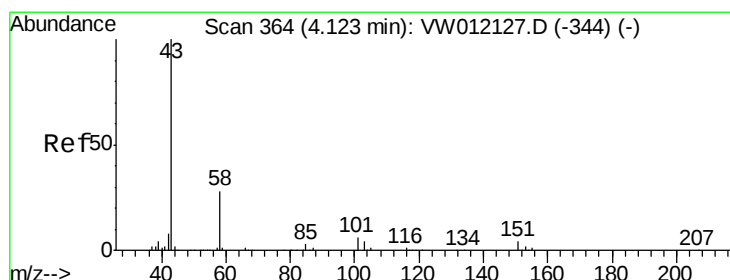
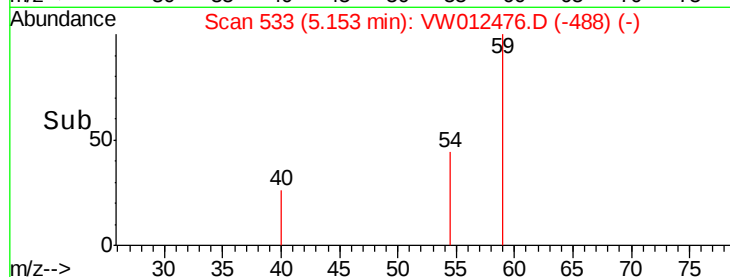
100

50

0

5.12 5.14 5.16

Time-->



#16

Acetone

Concen: 5.031 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012476.D

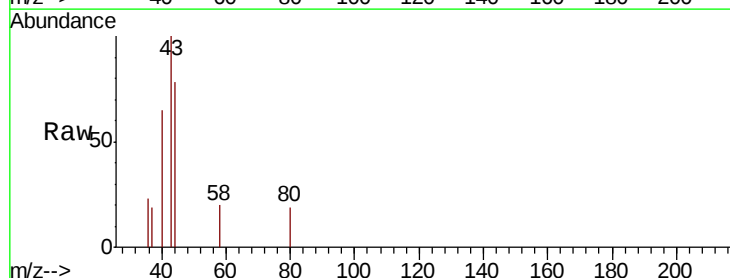
Acq: 02 Sep 2019 04:33

Tgt Ion: 43 Resp: 864

Ion Ratio Lower Upper

43 100

58 20.5 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

300

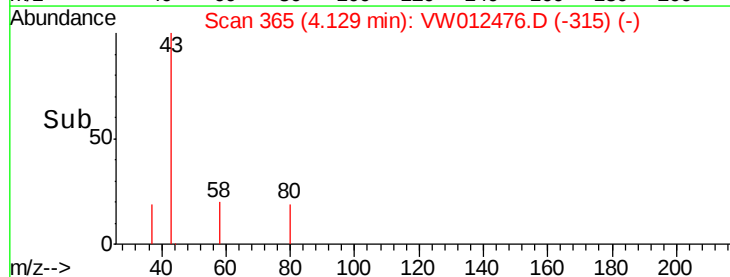
200

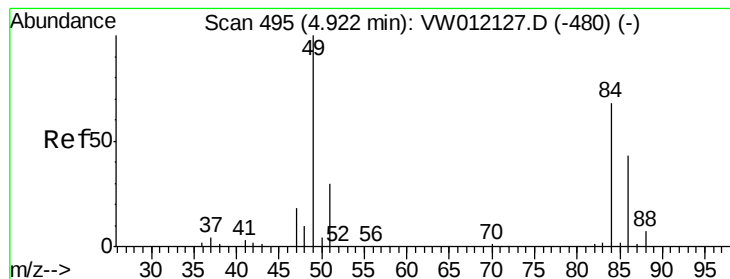
100

0

4.05 4.10 4.15 4.20

Time-->





#20

Methylene Chloride

Concen: 7.103 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q3-(0)

Tgt Ion: 84 Resp: 4612

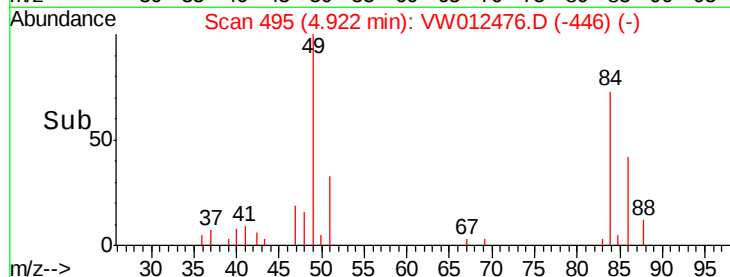
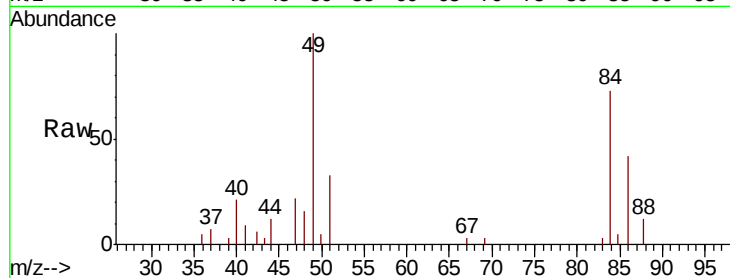
Ion Ratio Lower Upper

84 100

49 133.5 117.8 176.8

51 45.0 35.6 53.4

86 57.6 51.2 76.8

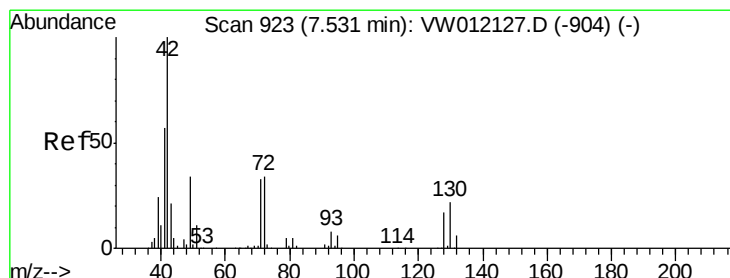
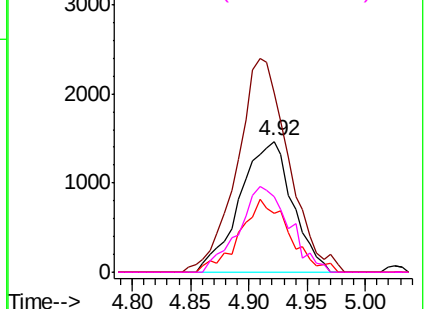


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 10.427 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

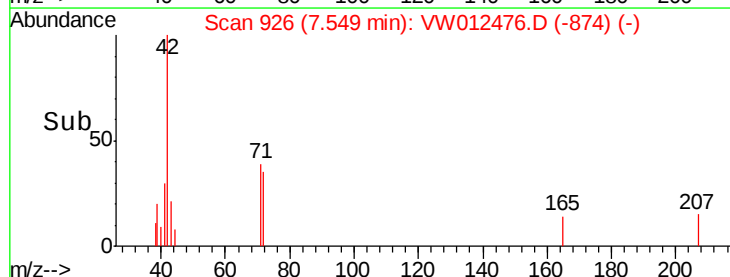
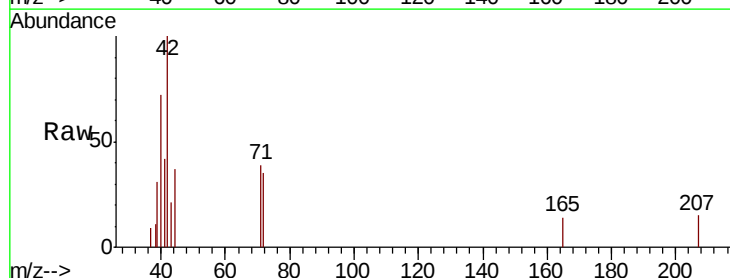
Tgt Ion: 42 Resp: 1460

Ion Ratio Lower Upper

42 100

72 32.7 27.3 40.9

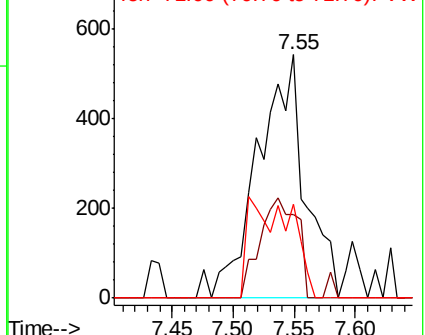
71 0.0 25.5 38.3#

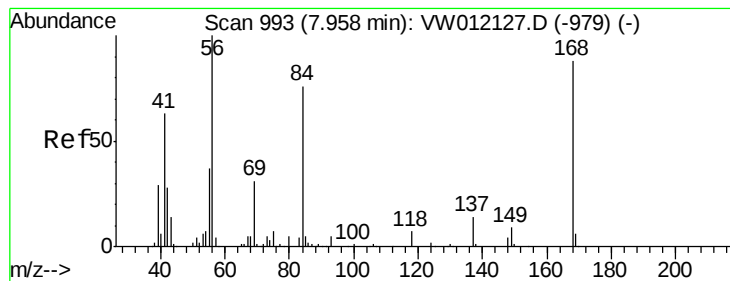


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q3-(0)

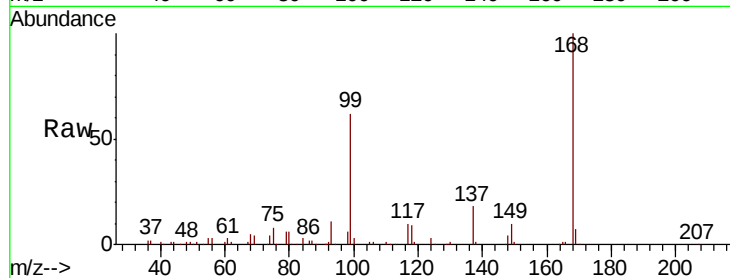
Tgt Ion: 56 Resp: 1621

Ion Ratio Lower Upper

56 100

69 128.9 24.9 37.3#

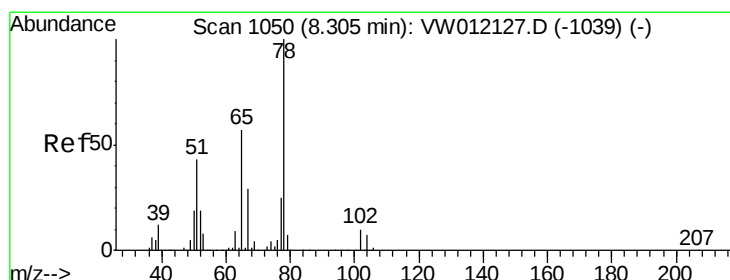
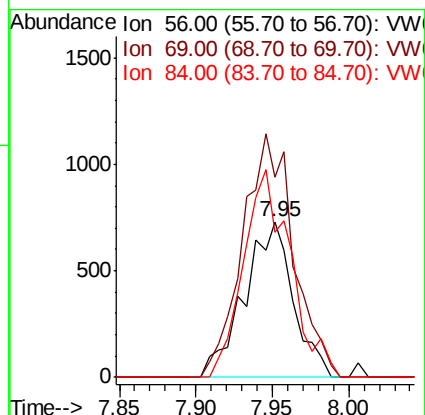
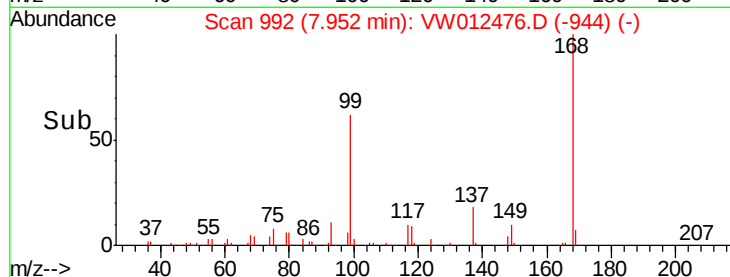
84 93.3 60.6 90.8#



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: 55.322 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012476.D

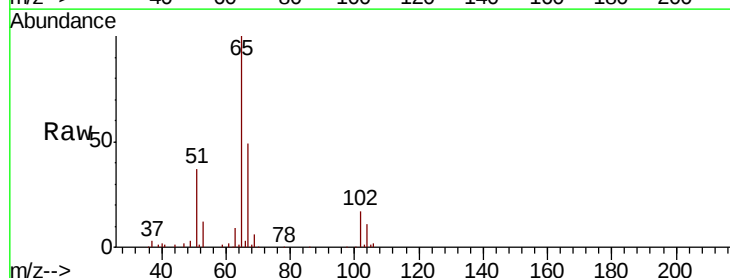
Acq: 02 Sep 2019 04:33

Tgt Ion: 65 Resp: 37170

Ion Ratio Lower Upper

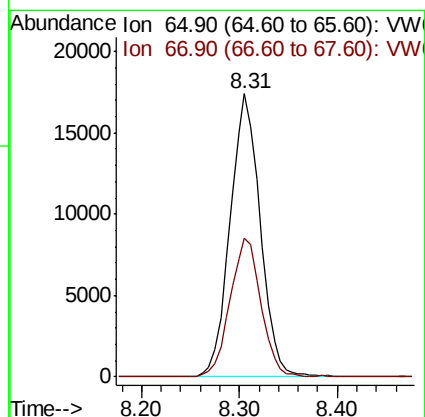
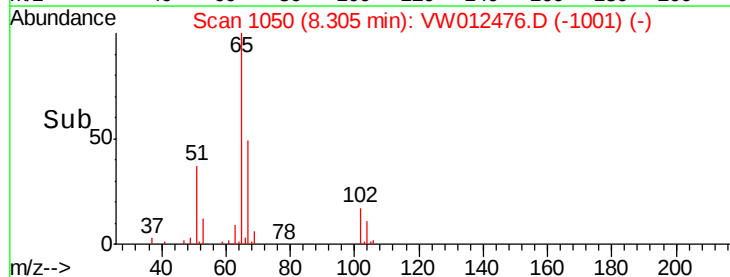
65 100

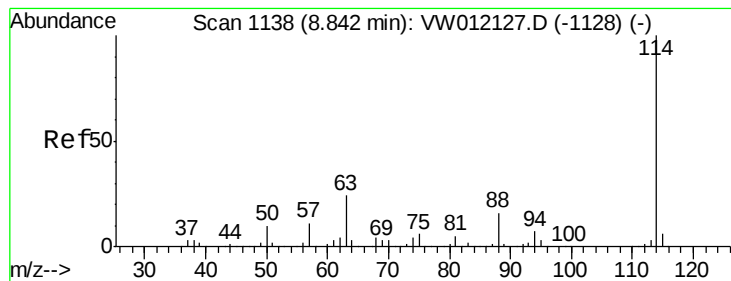
67 50.0 0.0 102.6



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: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-Q3-(0)

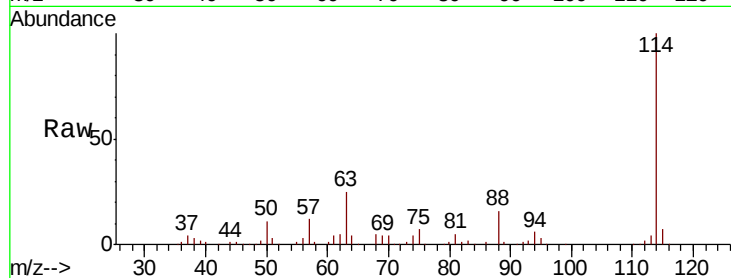
Tgt Ion:114 Resp: 85115

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.6

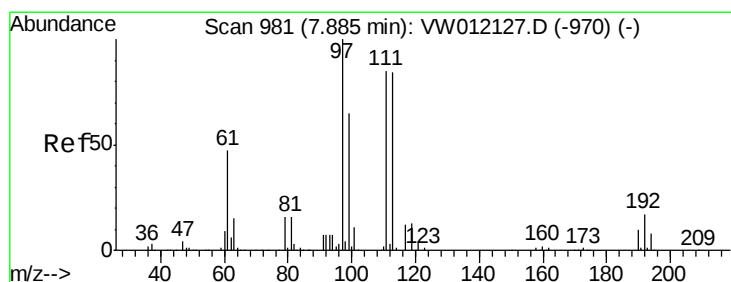
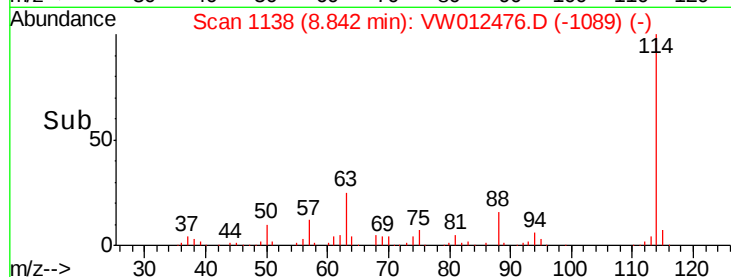
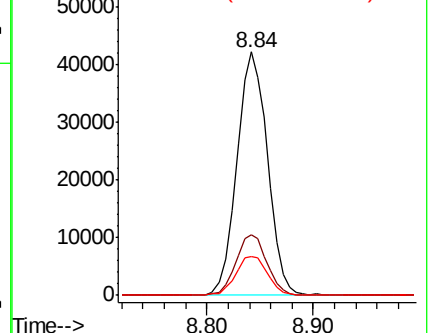
88 16.1 0.0 32.2



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: 55.774 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

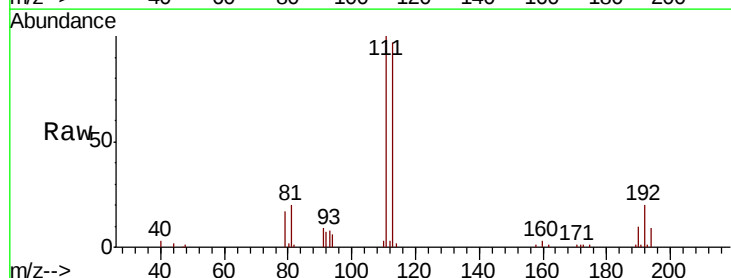
Tgt Ion:113 Resp: 28336

Ion Ratio Lower Upper

113 100

111 98.9 82.7 124.1

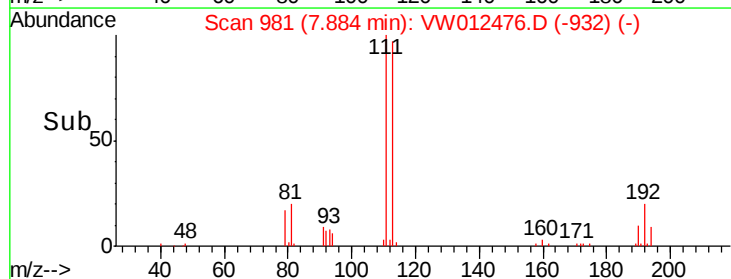
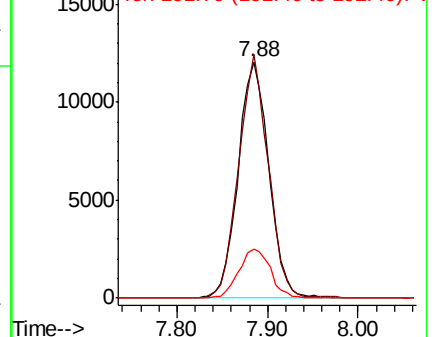
192 21.2 16.2 24.2

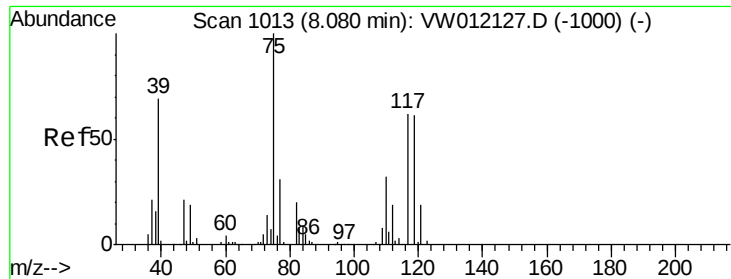


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

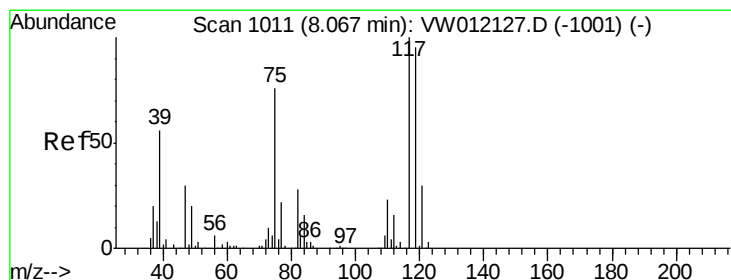
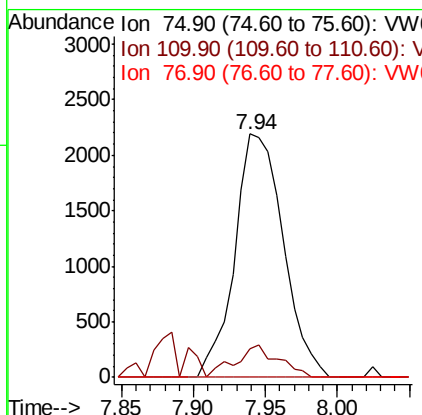
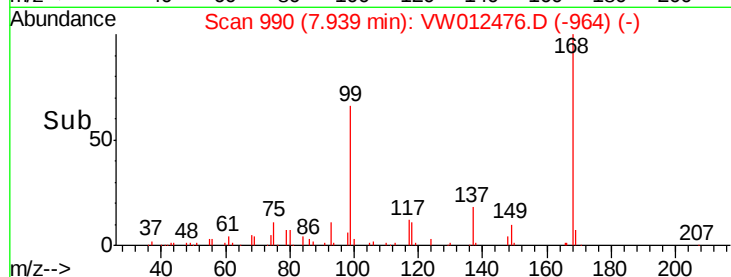
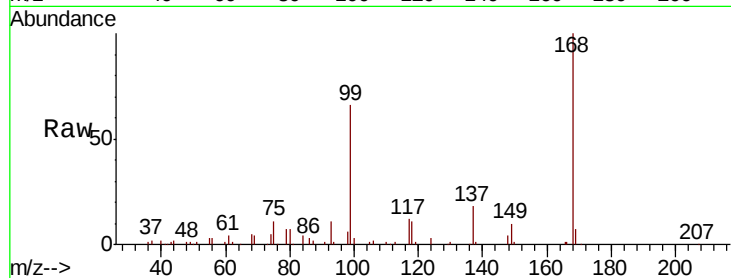




#36
 1,1-Dichloropropene
 Concen: 5.820 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012476.D
 Acq: 02 Sep 2019 04:33

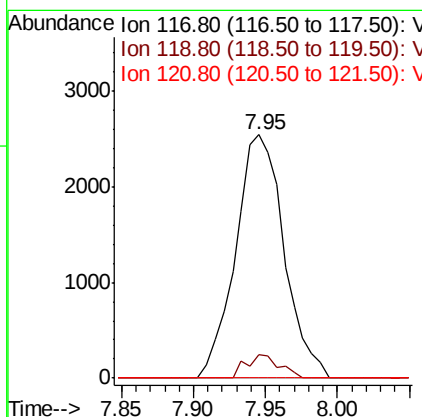
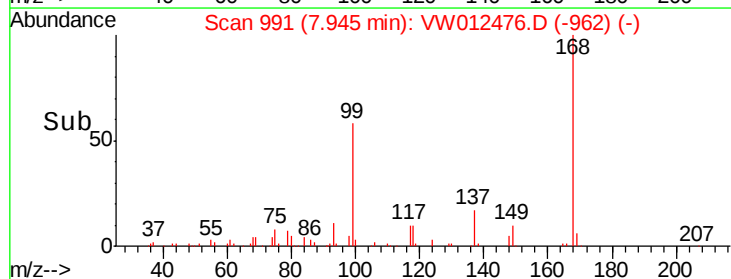
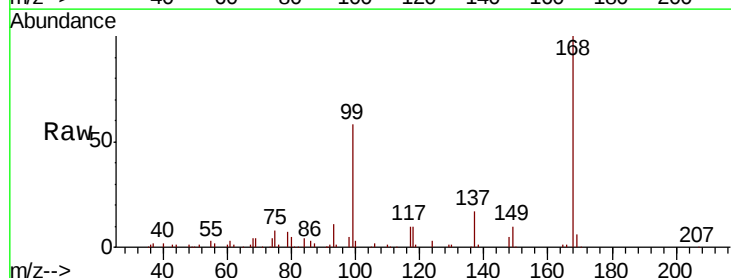
Instrument :
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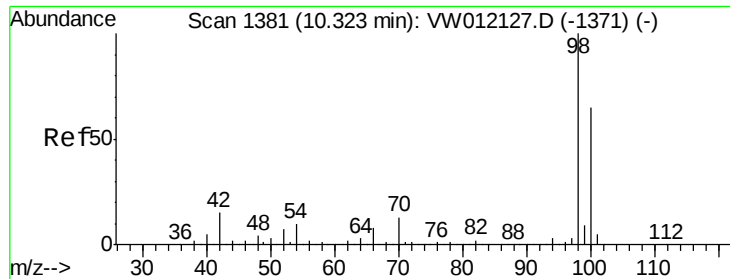
Tgt Ion: 75 Resp: 5119
 Ion Ratio Lower Upper
 75 100
 110 11.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.778 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012476.D
 Acq: 02 Sep 2019 04:33

Tgt Ion: 117 Resp: 5921
 Ion Ratio Lower Upper
 117 100
 119 9.7 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 48.100 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

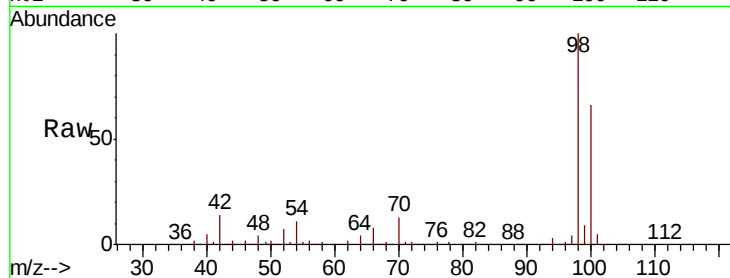
T9-12-13-Q3-(0)

Tgt Ion: 98 Resp: 99086

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

60000

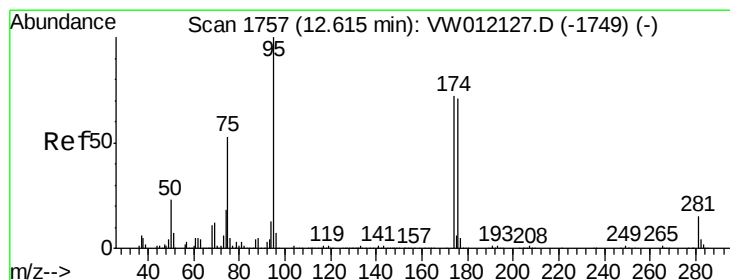
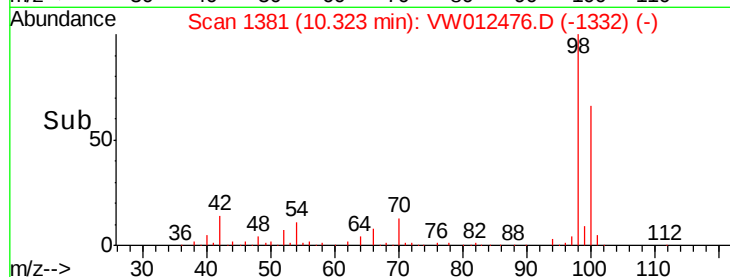
40000

20000

0

10.20 10.30 10.40 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: 32.291 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

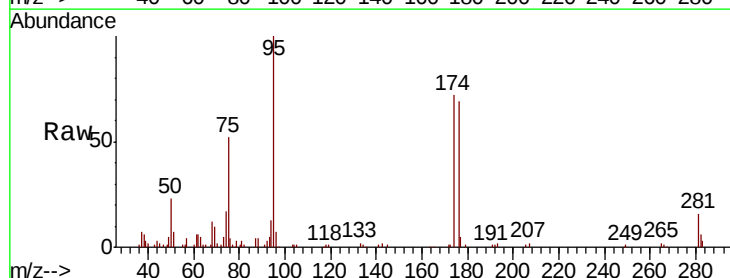
Tgt Ion: 95 Resp: 23448

Ion Ratio Lower Upper

95 100

174 79.3 0.0 150.8

176 75.2 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

20000

15000

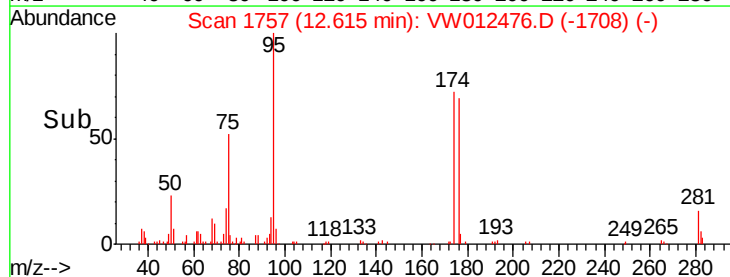
10000

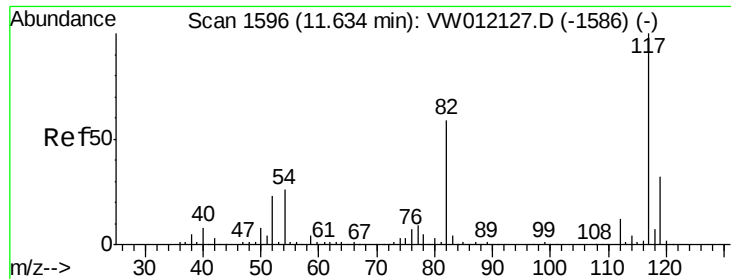
5000

0

12.55 12.60 12.65 12.70

Time-->

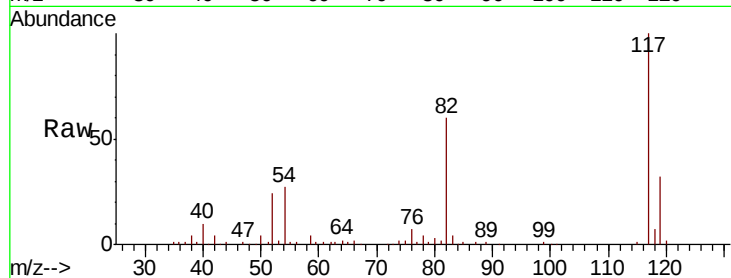




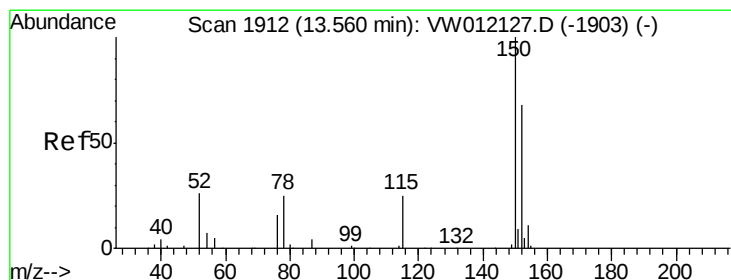
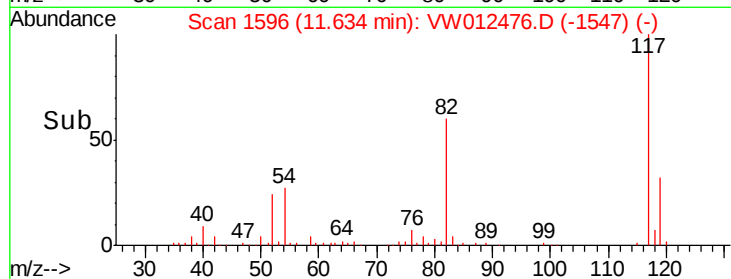
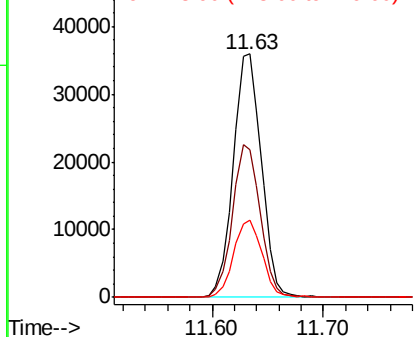
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW012476.D
 Acq: 02 Sep 2019 04:33

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-Q3-(0)

Tgt Ion:117 Resp: 62753
 Ion Ratio Lower Upper
 117 100
 82 60.4 47.4 71.2
 119 32.0 25.4 38.2

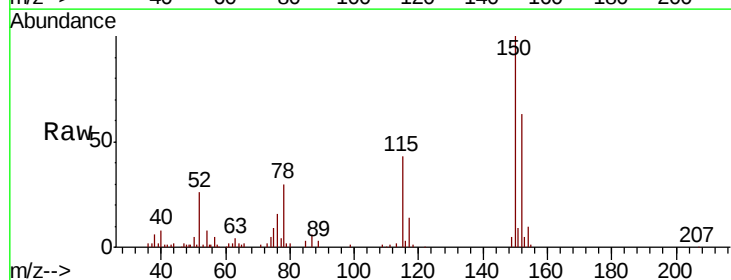


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

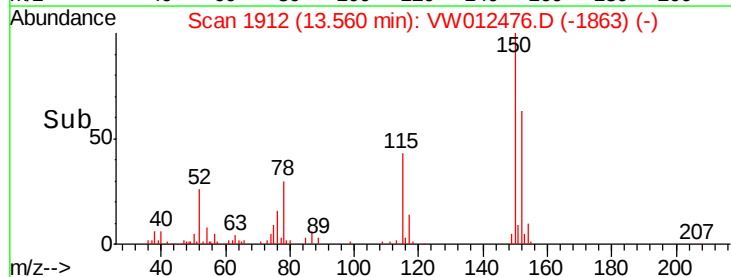
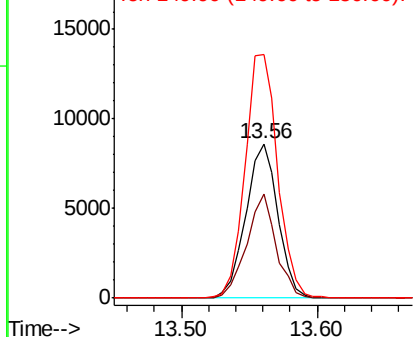


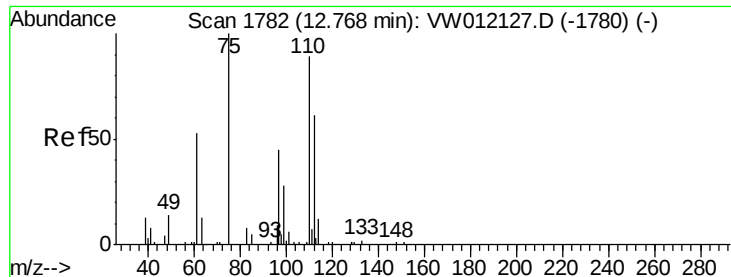
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012476.D
 Acq: 02 Sep 2019 04:33

Tgt Ion:152 Resp: 14232
 Ion Ratio Lower Upper
 152 100
 115 61.5 30.1 90.3
 150 160.1 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: 93.053 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

Instrument :

MSVOA_W

ClientSampleId :

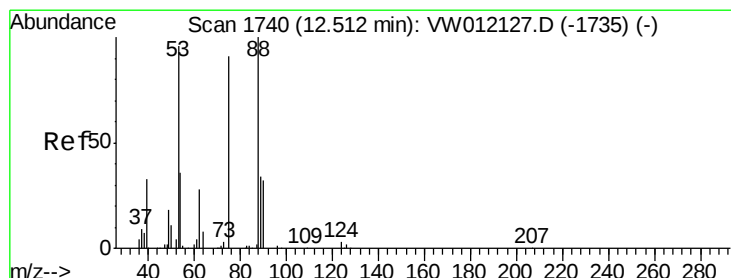
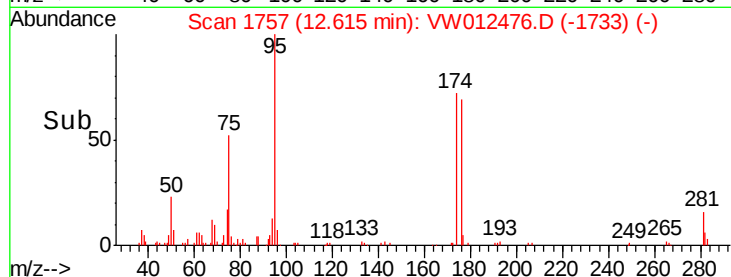
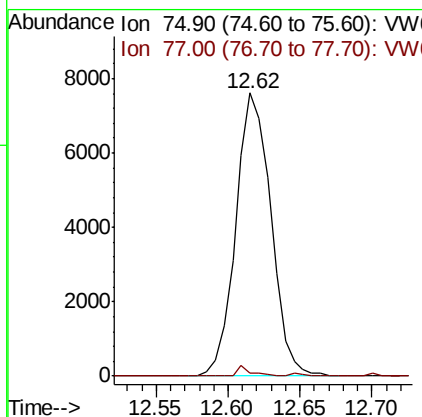
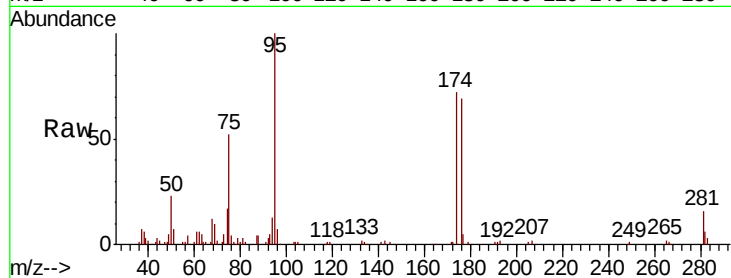
T9-12-13-Q3-(0)

Tgt Ion: 75 Resp: 12898

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 204.022 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012476.D

Acq: 02 Sep 2019 04:33

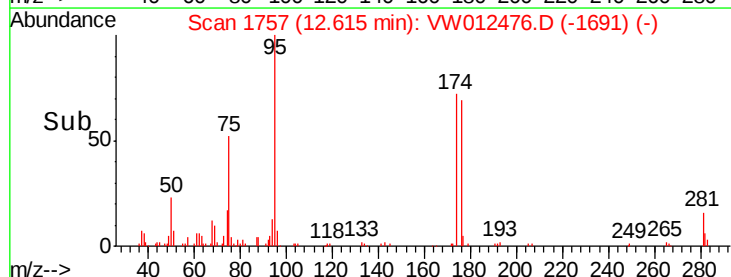
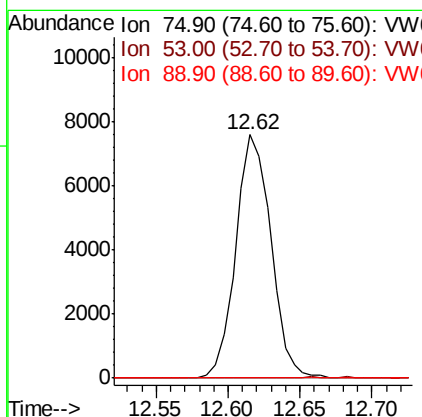
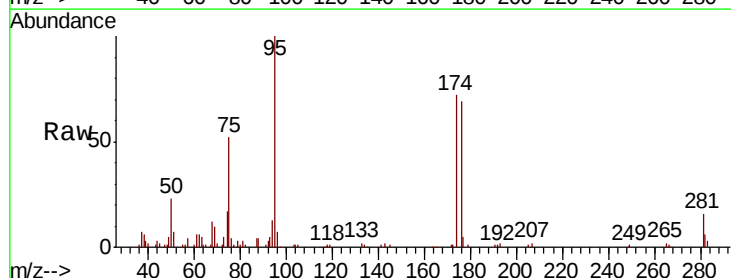
Tgt Ion: 75 Resp: 12898

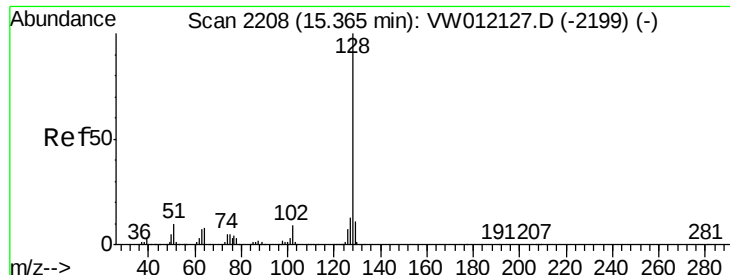
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#

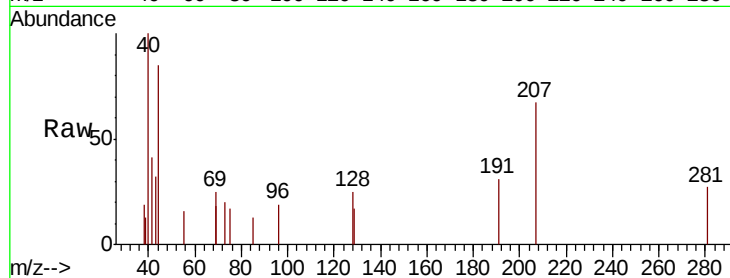




#95
Naphthalene
Concen: 4.467 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012476.D
Acq: 02 Sep 2019 04:33

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	30.2	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

