

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012276.D
 Acq On : 29 Aug 2019 02:28
 Operator : SY/VA
 Sample : K4567-02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7-S2

Quant Time: Aug 29 06:52:51 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	267078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	441413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145459	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	166444	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	7.88	113	133544	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.32	98	537867	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.62	95	170973	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	

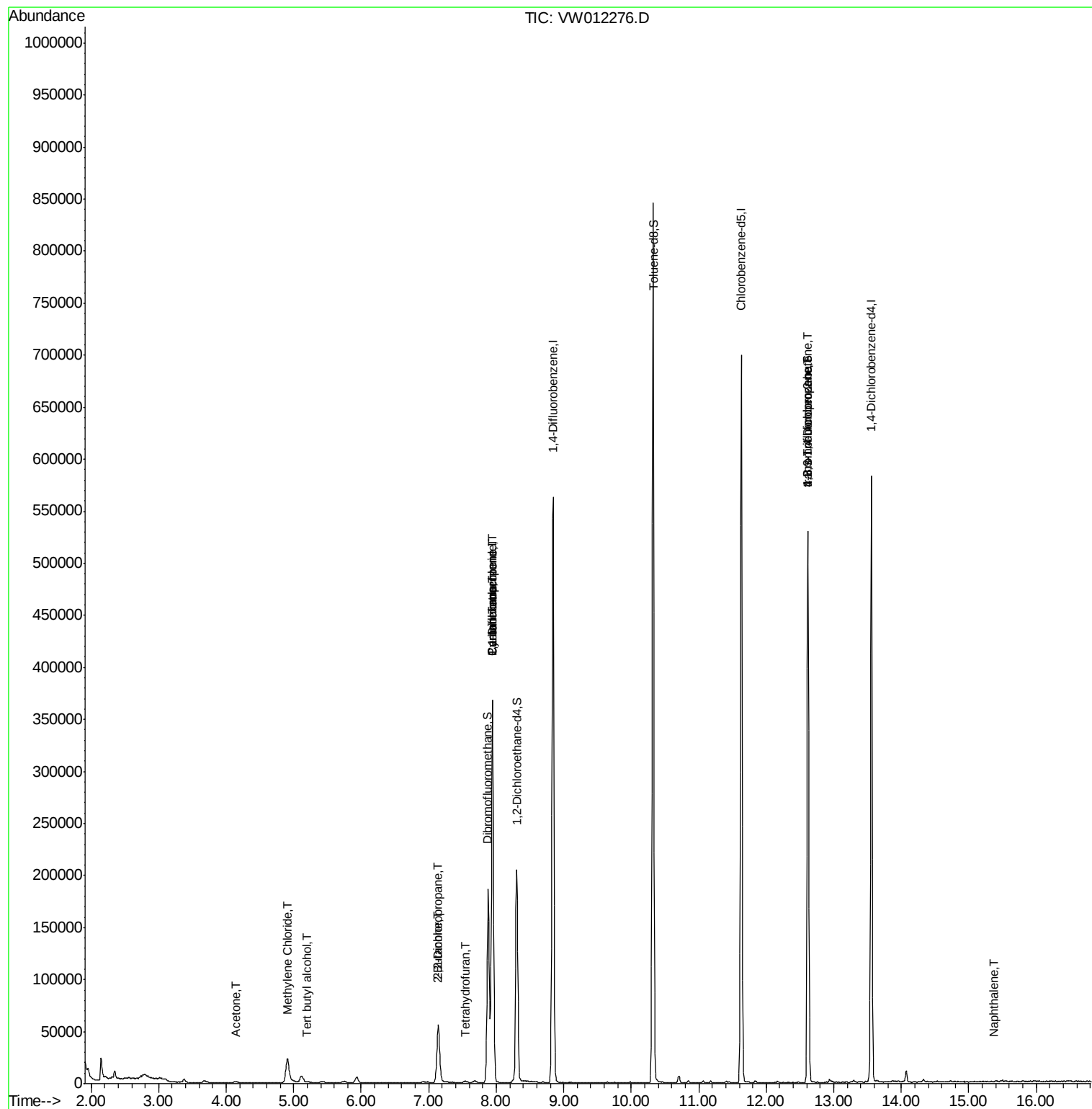
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	279	1.460	ug/l #	62
16) Acetone	4.15	43	2556	3.149	ug/l #	46
20) Methylene Chloride	4.91	84	16725	5.451	ug/l	97
25) 2-Butanone	7.13	43	3588	3.253	ug/l #	78
26) 2,2-Dichloropropane	7.14	77	3653	1.117	ug/l #	54
29) Tetrahydrofuran	7.54	42	1423	2.151	ug/l	95
31) Cyclohexane	7.94	56	6503	1.137	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22789	4.996	ug/l #	53
38) Carbon Tetrachloride	7.95	117	26577	6.732	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	88974	62.805	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88974	137.703	ug/l #	6
95) Naphthalene	15.36	128	256	4.364	ug/l #	69

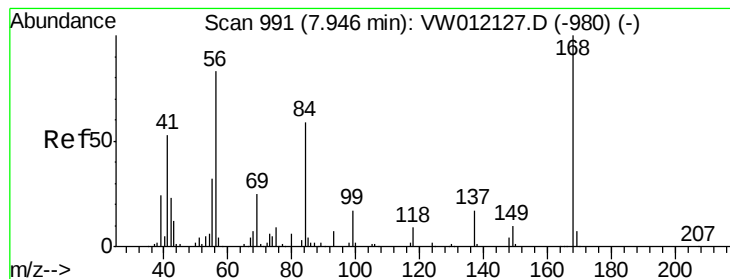
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012276.D

Acq: 29 Aug 2019 02:28

Instrument :

MSVOA_W

ClientSampleId :

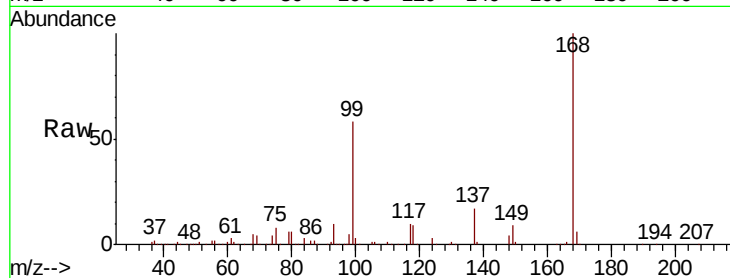
TP-7-S2

Tgt Ion:168 Resp: 267078

Ion Ratio Lower Upper

168 100

99 58.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

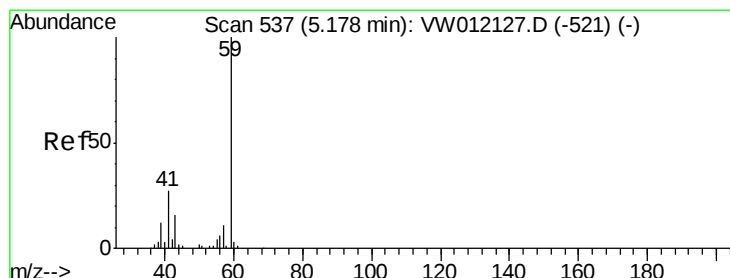
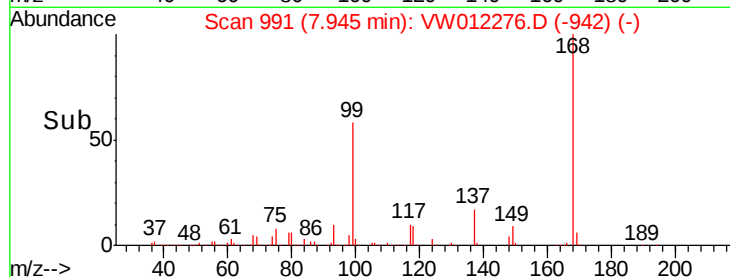
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.460 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.02 min

Lab File: VW012276.D

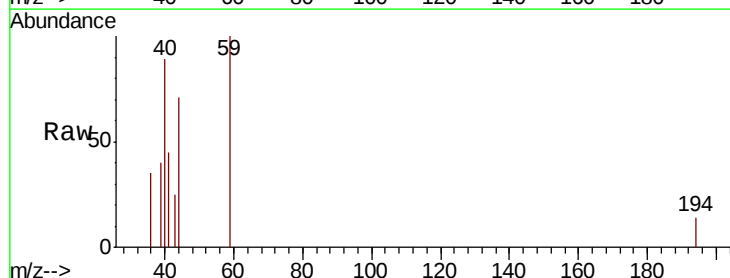
Acq: 29 Aug 2019 02:28

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

59 100

57 25.8 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

400

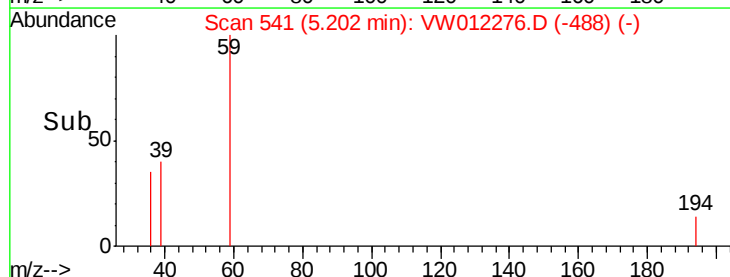
300

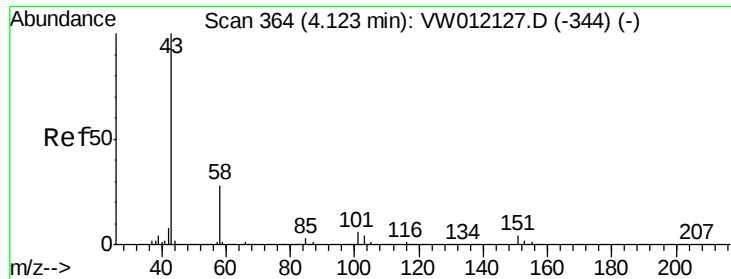
200

100

0

Time--> 5.18 5.20 5.22

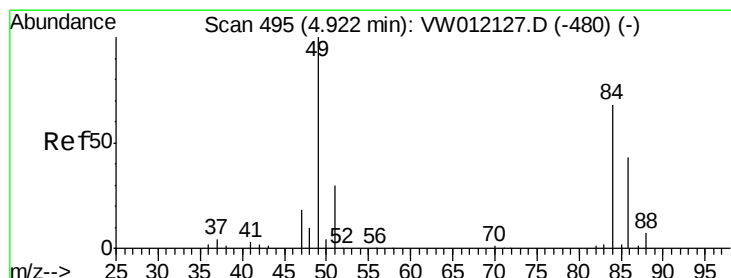
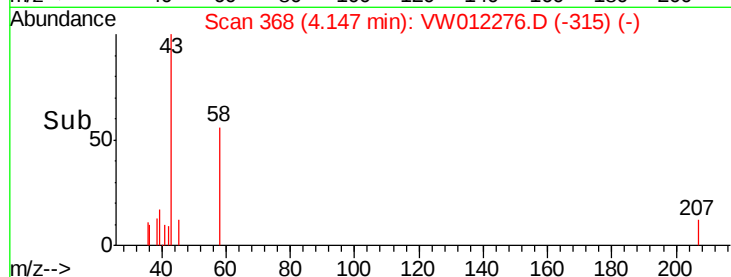
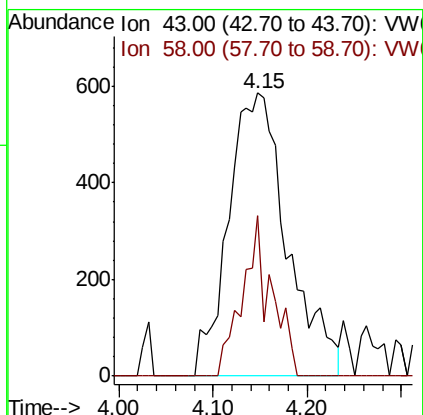
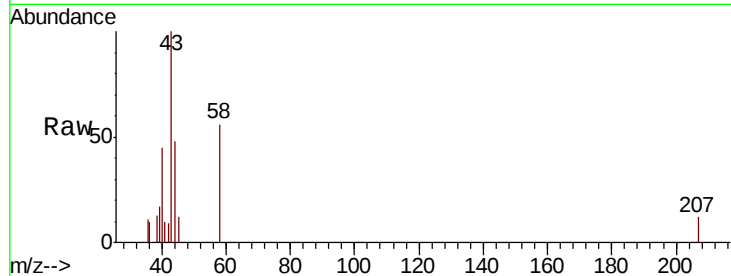




#16
Acetone
Concen: 3.149 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

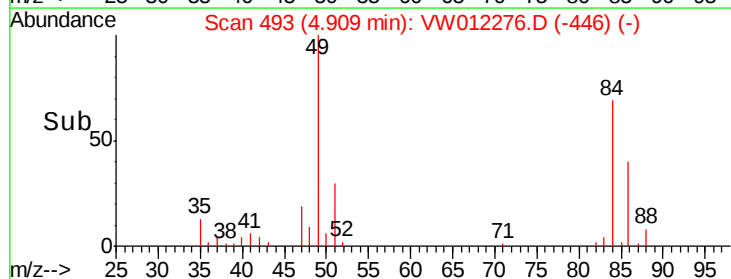
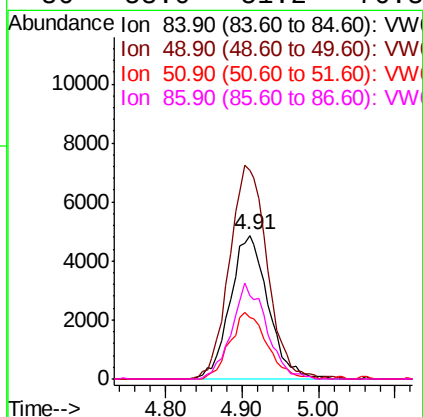
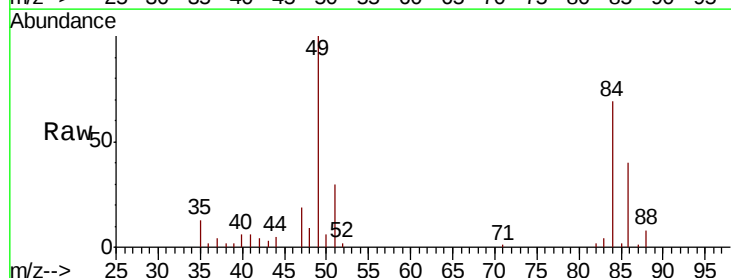
Instrument :
MSVOA_W
ClientSampleId :
TP-7-S2

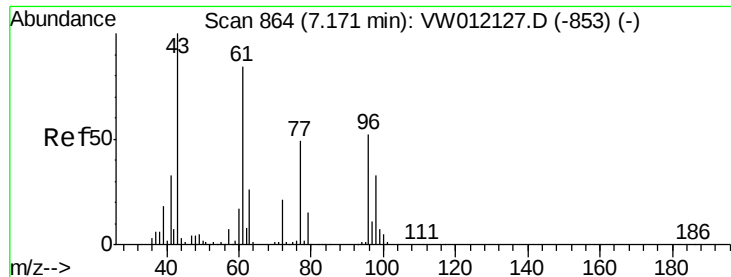
Tgt Ion: 43 Resp: 2556
Ion Ratio Lower Upper
43 100
58 56.5 22.4 33.6#



#20
Methylene Chloride
Concen: 5.451 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

Tgt Ion: 84 Resp: 16725
Ion Ratio Lower Upper
84 100
49 145.1 117.8 176.8
51 43.0 35.6 53.4
86 58.0 51.2 76.8





#25

2-Butanone

Concen: 3.253 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW012276.D

Acq: 29 Aug 2019 02:28

Instrument :

MSVOA_W

ClientSampled :

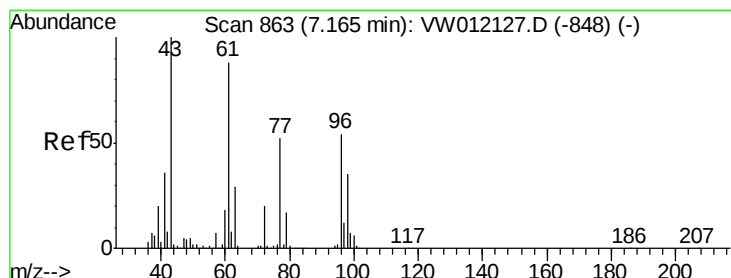
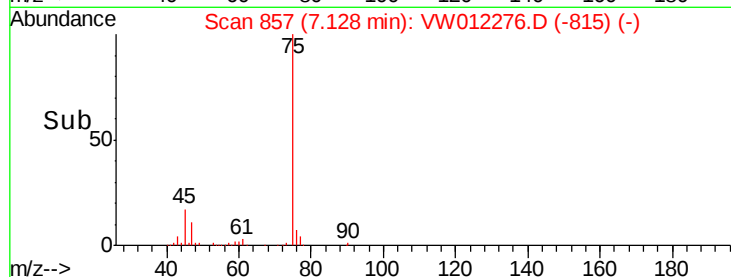
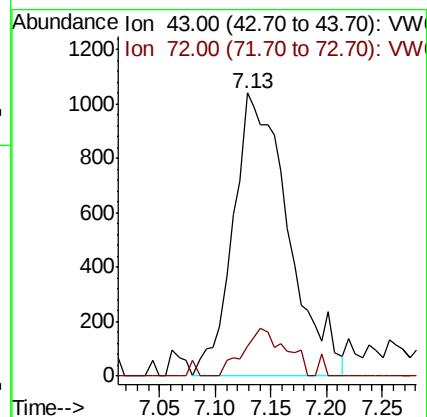
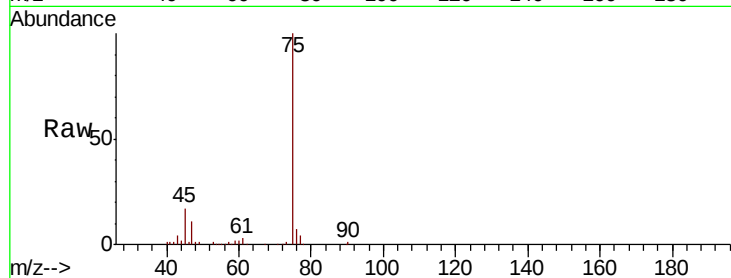
TP-7-S2

Tgt Ion: 43 Resp: 3588

Ion Ratio Lower Upper

43 100

72 10.7 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.117 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW012276.D

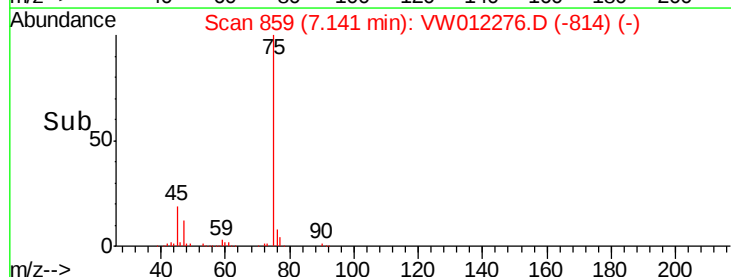
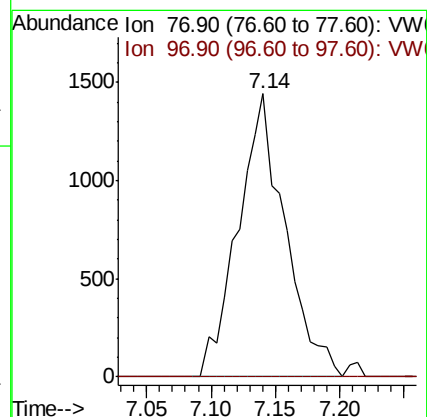
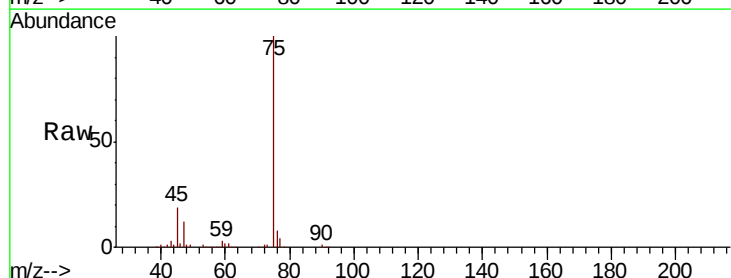
Acq: 29 Aug 2019 02:28

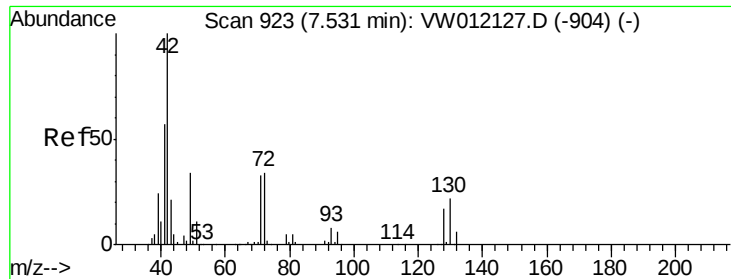
Tgt Ion: 77 Resp: 3653

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.1#

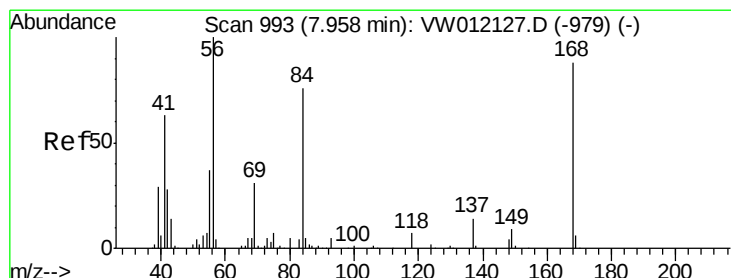
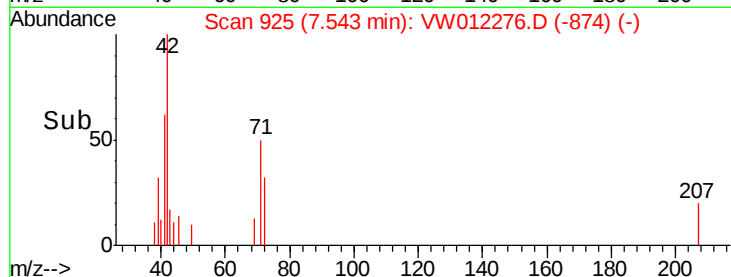
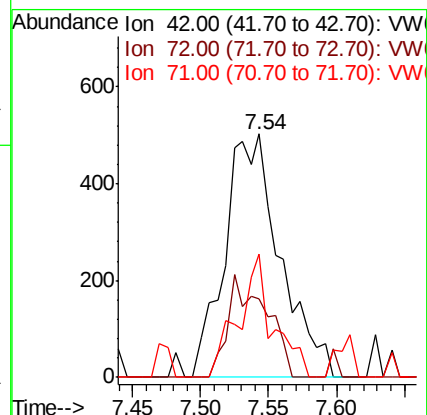
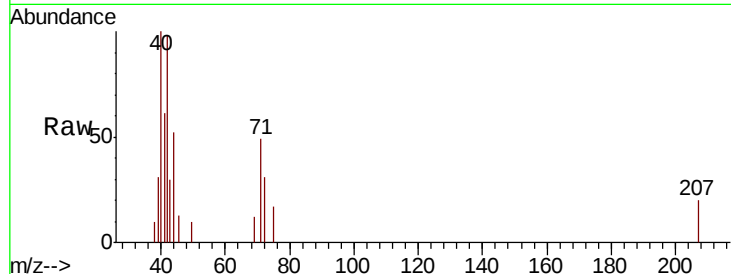




#29
Tetrahydrofuran
Concen: 2.151 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

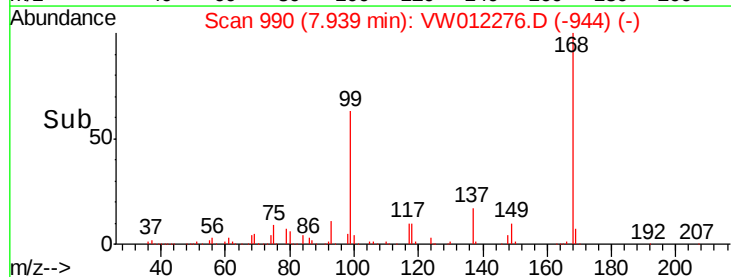
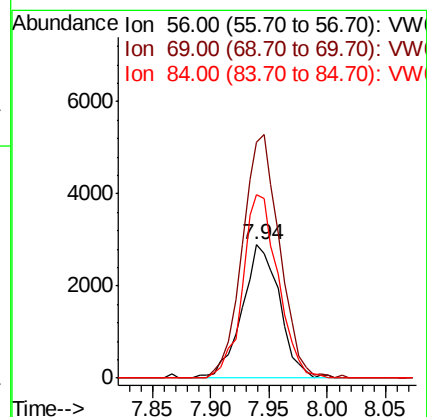
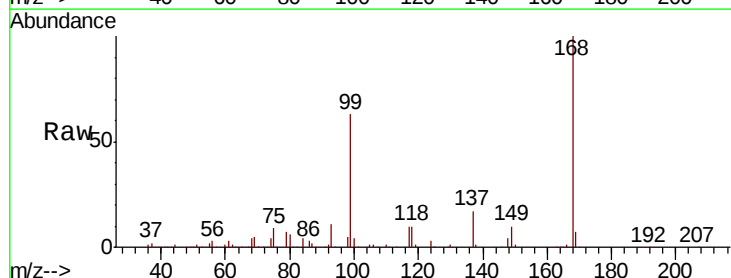
Instrument :
MSVOA_W
ClientSampleId :
TP-7-S2

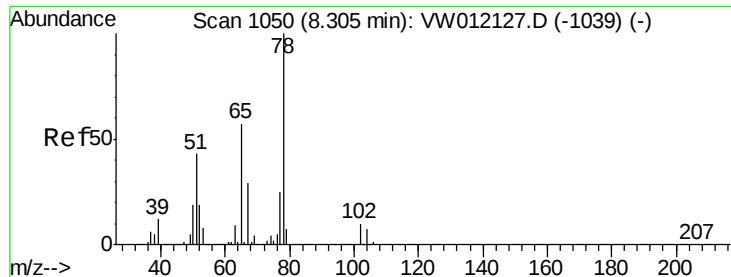
Tgt Ion: 42 Resp: 1423
Ion Ratio Lower Upper
42 100
72 29.3 27.3 40.9
71 31.6 25.5 38.3



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

Tgt Ion: 56 Resp: 6503
Ion Ratio Lower Upper
56 100
69 177.2 24.9 37.3#
84 138.3 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 52.425 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012276.D

Acq: 29 Aug 2019 02:28

Instrument :

MSVOA_W

ClientSampleId :

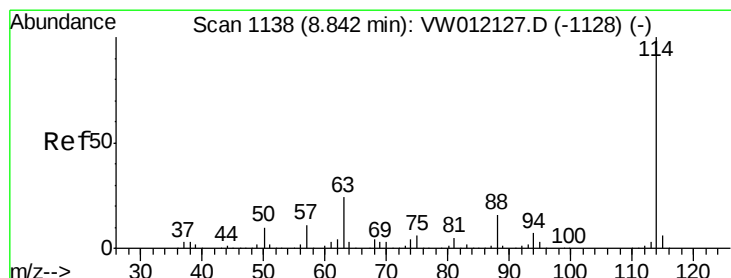
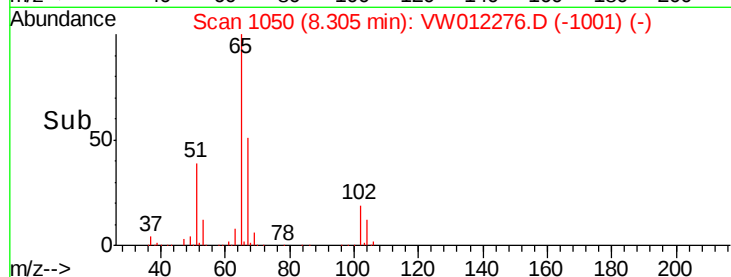
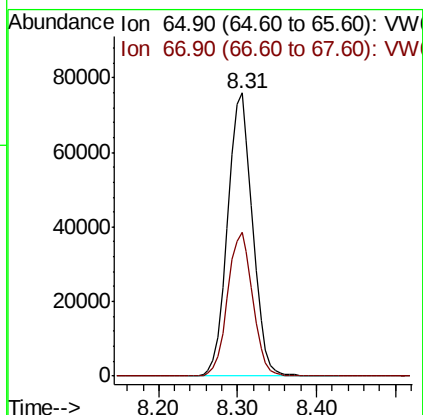
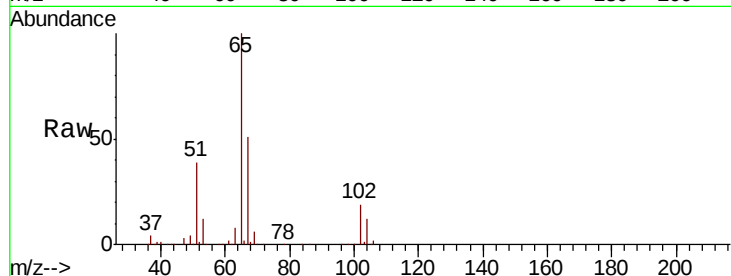
TP-7-S2

Tgt Ion: 65 Resp: 166444

Ion Ratio Lower Upper

65 100

67 51.3 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: VW012276.D

Acq: 29 Aug 2019 02:28

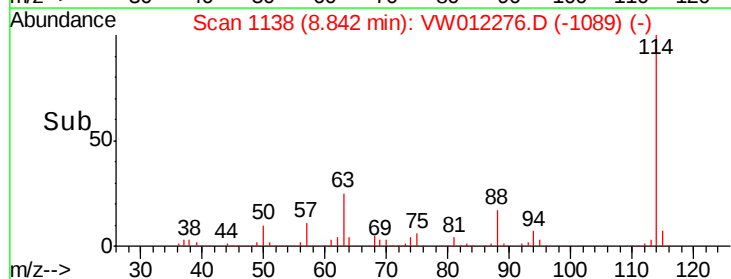
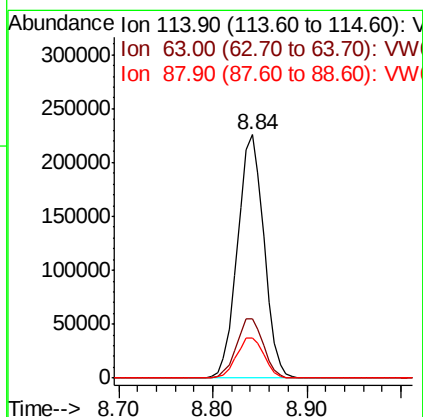
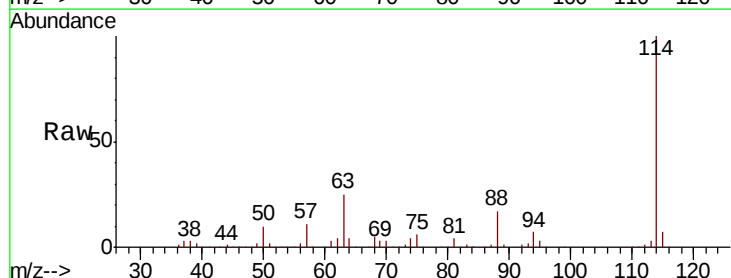
Tgt Ion: 114 Resp: 441413

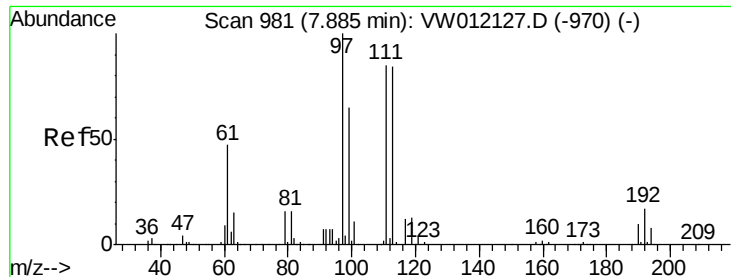
Ion Ratio Lower Upper

114 100

63 24.5 0.0 48.6

88 16.6 0.0 32.2

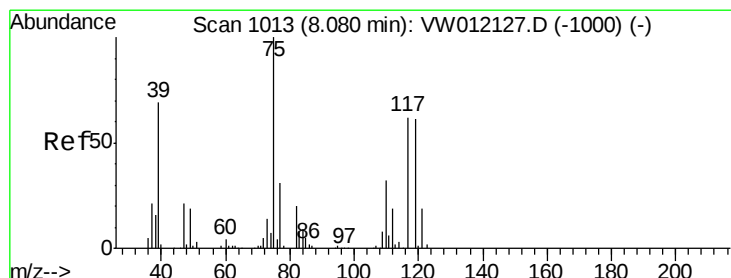
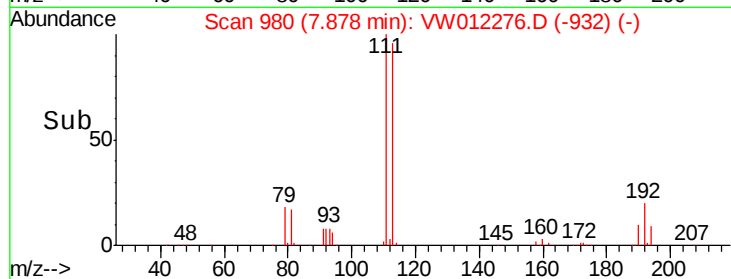
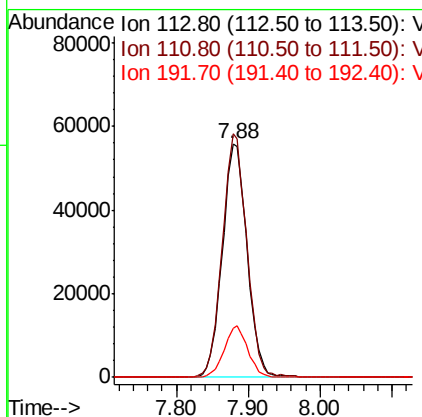
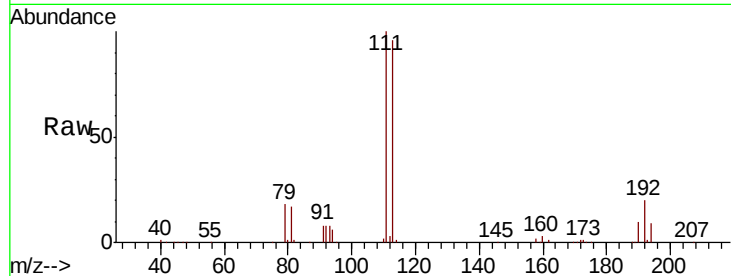




#35
 Dibromofluoromethane
 Concen: 50.685 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012276.D
 Acq: 29 Aug 2019 02:28

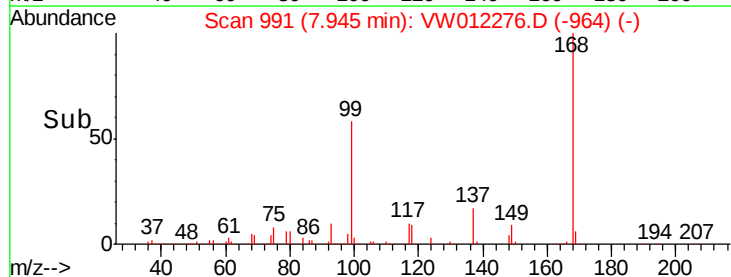
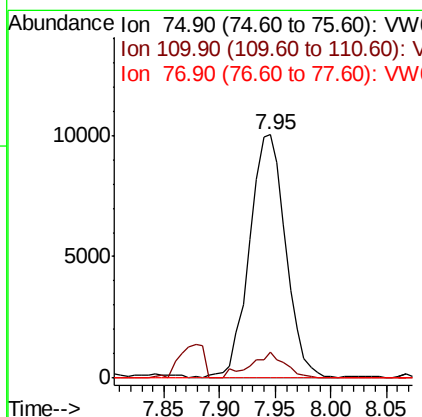
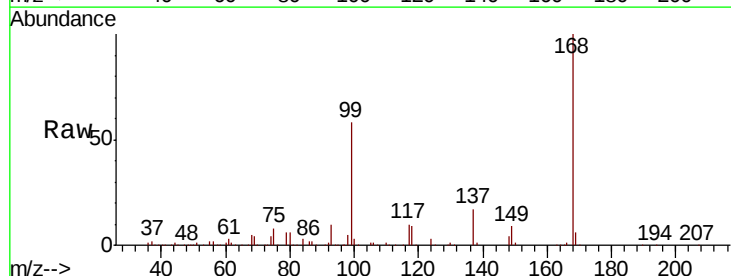
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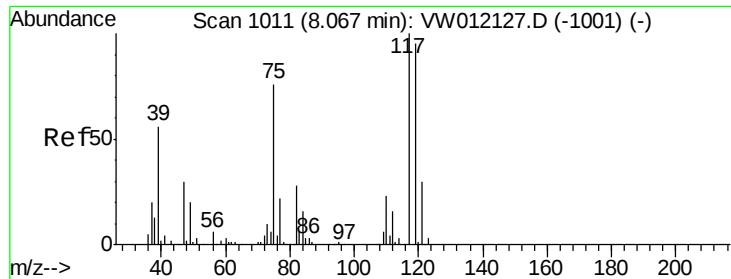
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.7	124.1
192	20.8	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.996 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012276.D
 Acq: 29 Aug 2019 02:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	15.6	46.8#
77	0.0	24.6	36.8#

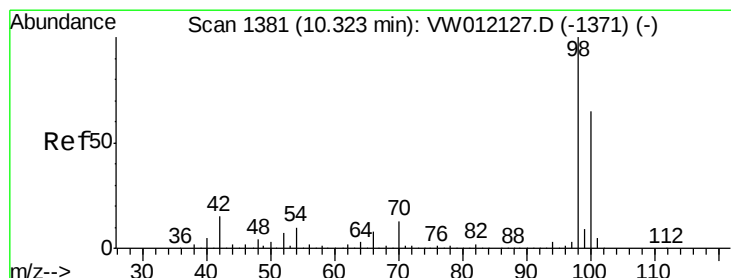
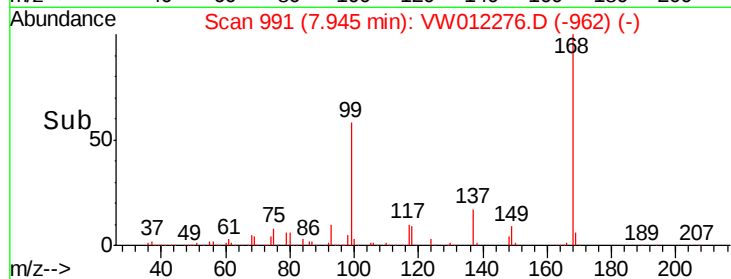
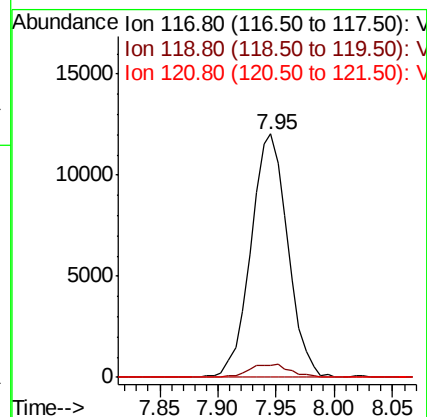
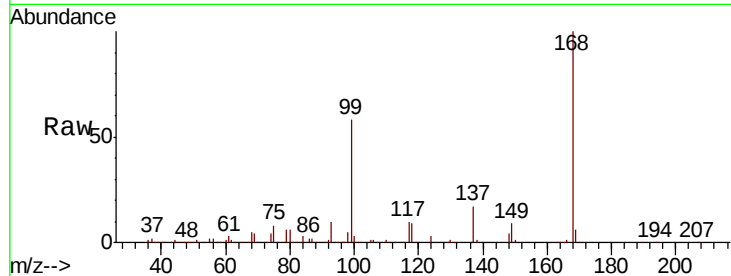




#38
Carbon Tetrachloride
Concen: 6.732 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

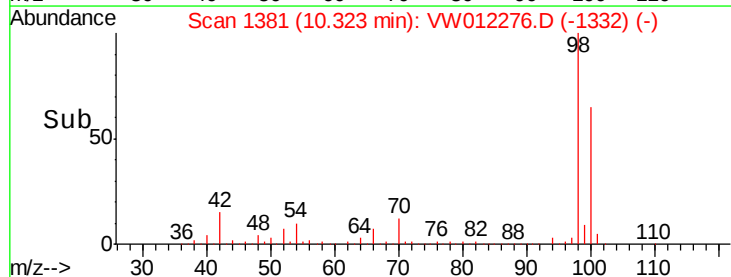
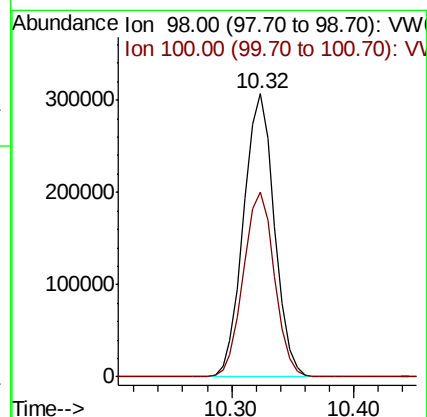
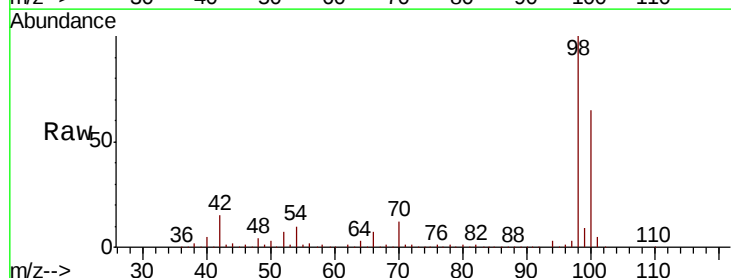
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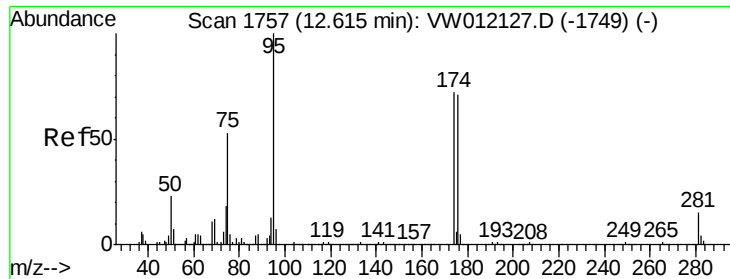
Tgt Ion:117 Resp: 26577
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 50.346 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

Tgt Ion: 98 Resp: 537867
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6

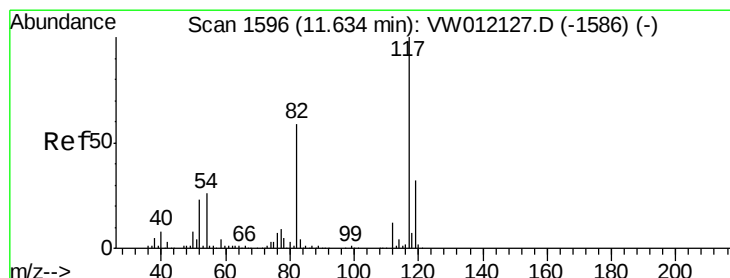
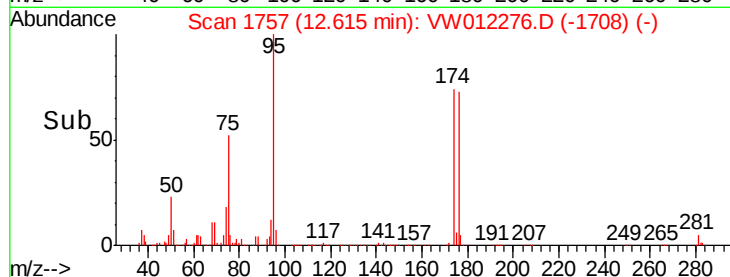
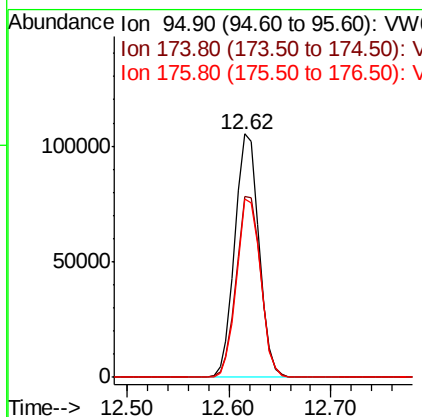
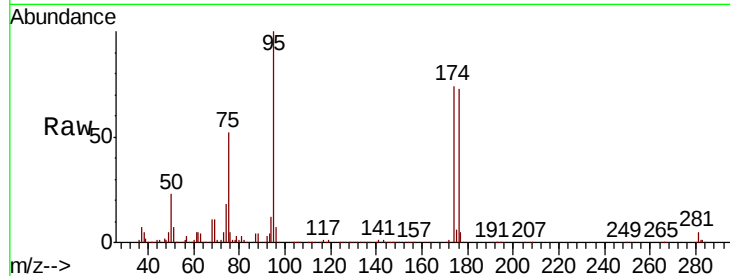




#62
4-Bromofluorobenzene
Concen: 45.401 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

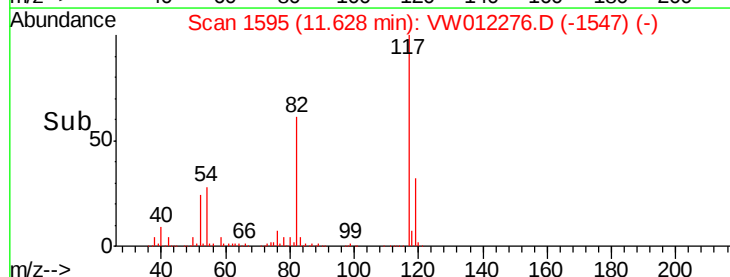
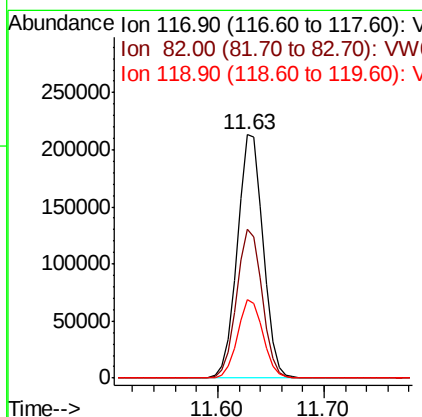
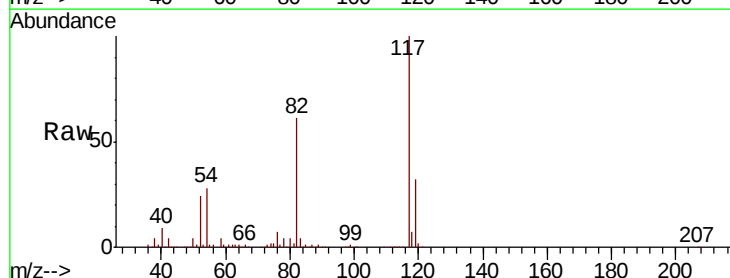
Instrument :
MSVOA_W
ClientSampleId :
TP-7-S2

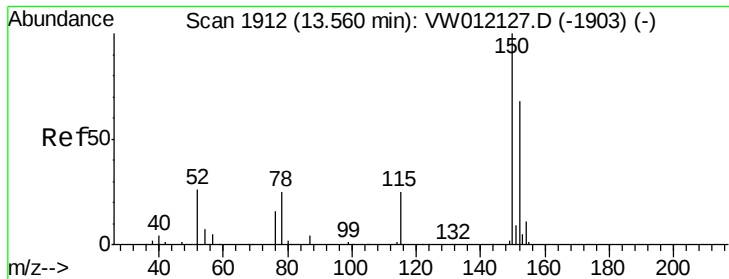
Tgt Ion: 95 Resp: 170973
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.8
176 73.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

Tgt Ion: 117 Resp: 364111
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 32.0 25.4 38.2



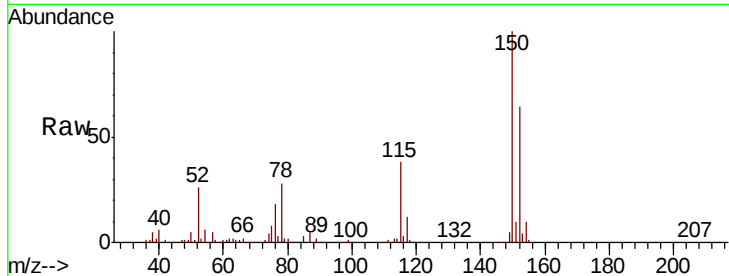


#72

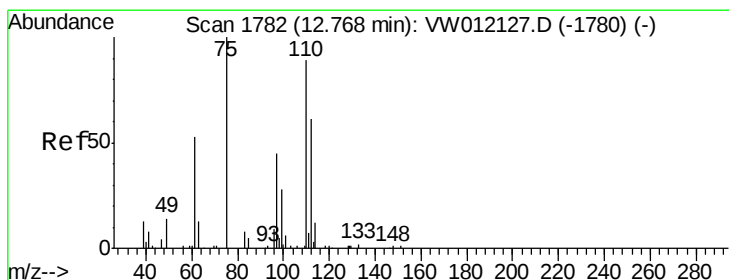
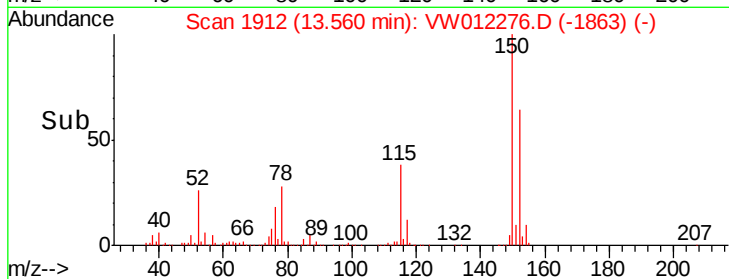
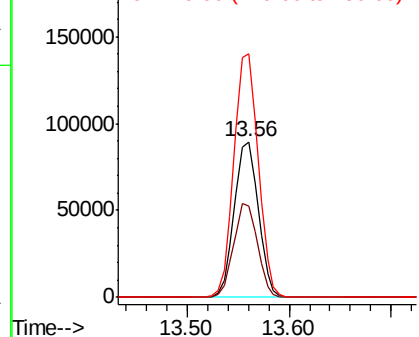
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

Instrument :
MSVOA_W
ClientSampleId :
TP-7-S2

Tgt Ion:152 Resp: 145459
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.3
150 158.3 0.0 345.8



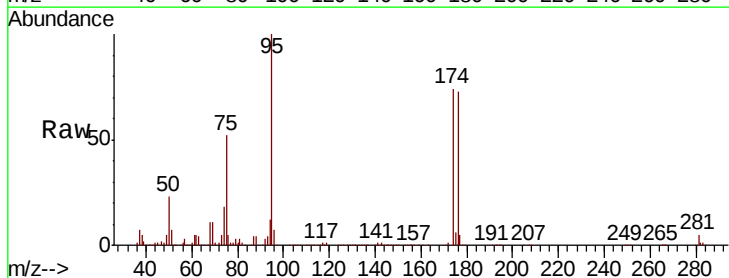
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



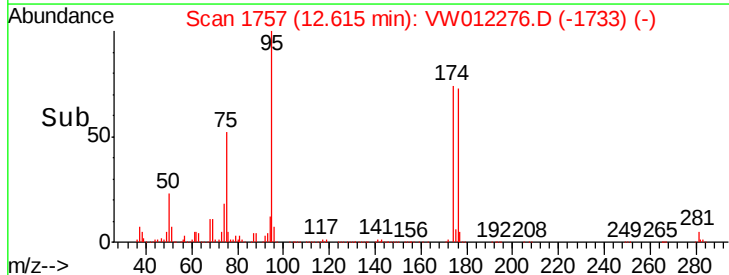
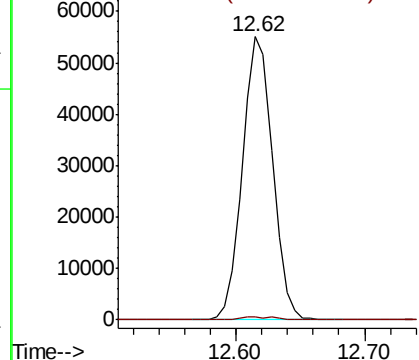
#76

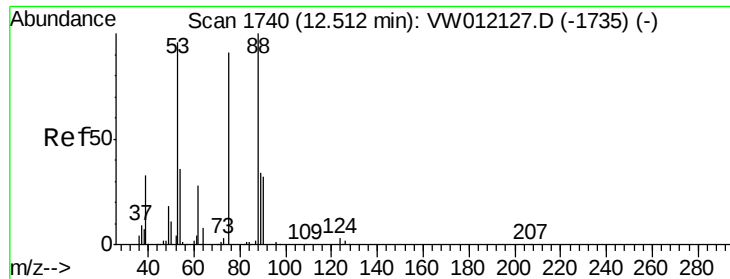
1,2,3-Trichloropropane
Concen: 62.805 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012276.D
Acq: 29 Aug 2019 02:28

Tgt Ion: 75 Resp: 88974
Ion Ratio Lower Upper
75 100
77 1.2 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: 137.703 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012276.D

Acq: 29 Aug 2019 02:28

Instrument :

MSVOA_W

ClientSampleId :

TP-7-S2

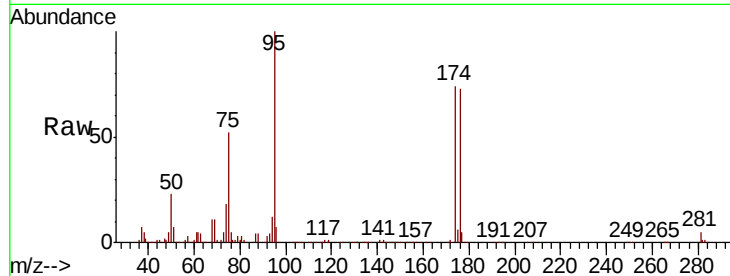
Tgt Ion: 75 Resp: 88974

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

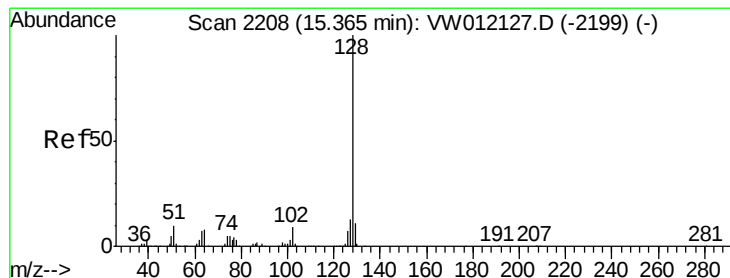
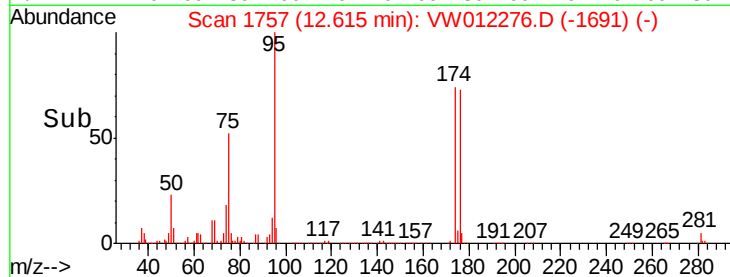
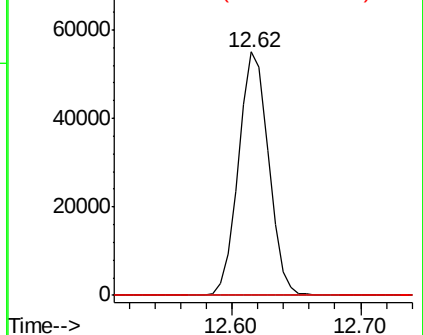
89 0.1 34.5 51.7#



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



#95

Naphthalene

Concen: 4.364 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012276.D

Acq: 29 Aug 2019 02:28

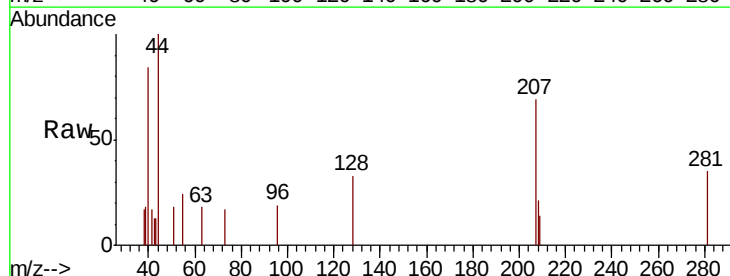
Tgt Ion: 128 Resp: 256

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

