

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012604.D
 Acq On : 04 Sep 2019 21:05
 Operator : SY/VA
 Sample : K4613-02
 Misc : 5.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-10-S2

Quant Time: Sep 05 07:01:26 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	43105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	50073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	24165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1268	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	10204	19.91	ug/l	0.00
Spiked Amount			Recovery	=	39.82%	
35) Dibromofluoromethane	7.88	113	12458	41.68	ug/l	0.00
Spiked Amount			Recovery	=	83.36%	
50) Toluene-d8	10.32	98	54514	44.98	ug/l	0.00
Spiked Amount			Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.62	95	3868	9.05	ug/l	0.00
Spiked Amount			Recovery	=	18.10%	

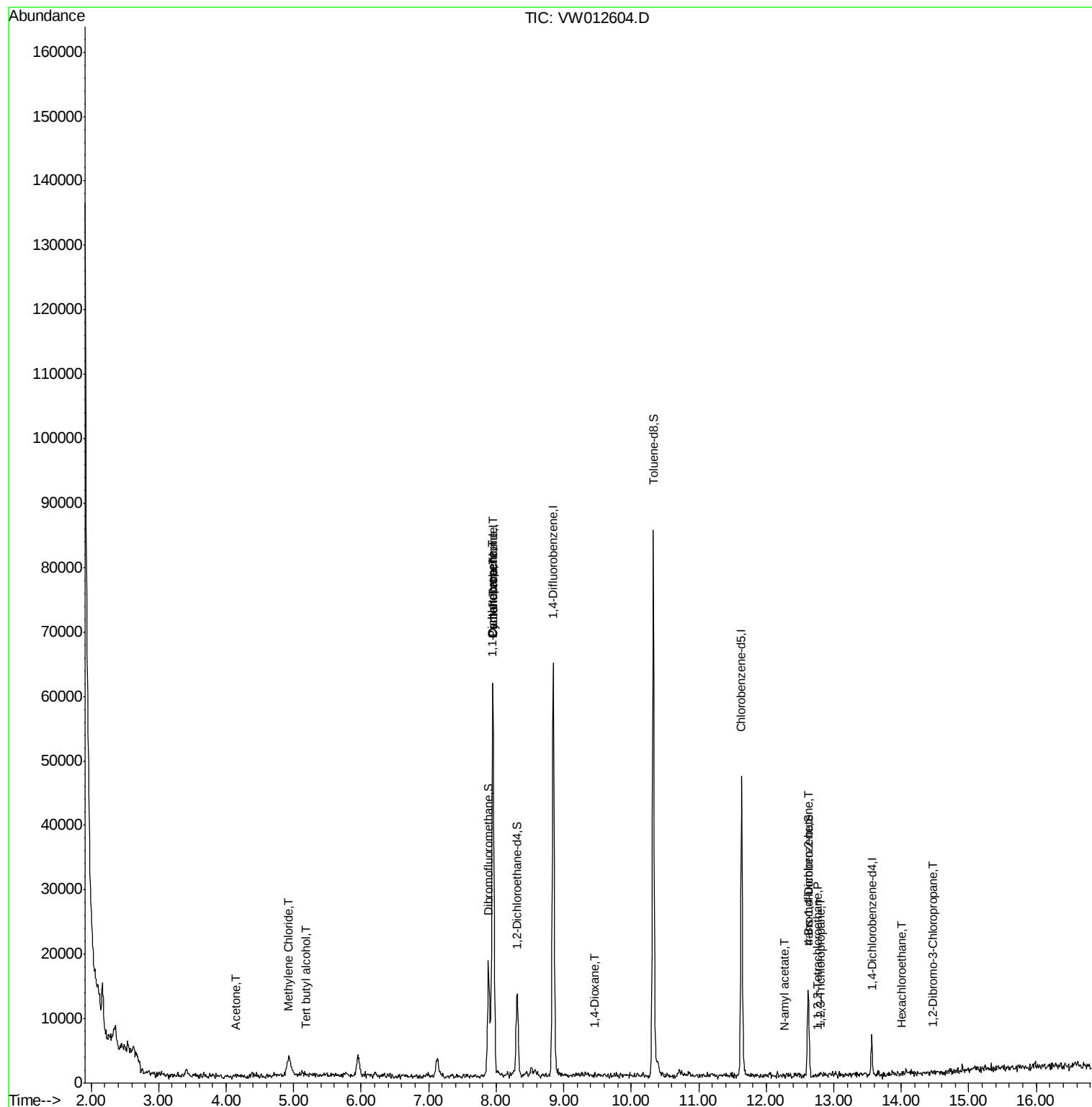
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	79	2.562	ug/l #	43
16) Acetone	4.14	43	483	3.687	ug/l #	47
20) Methylene Chloride	4.92	84	1916	3.869	ug/l #	71
31) Cyclohexane	7.95	56	1240	1.344	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	3838	7.417	ug/l #	52
38) Carbon Tetrachloride	7.95	117	4813	10.747	ug/l #	17
49) 1,4-Dioxane	9.46	88	25	9.652	ug/l #	1
74) N-amyl acetate	12.26	43	106	3.693	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.77	83	20	1.148	ug/l #	26
76) 1,2,3-Trichloropropane	12.80	75	72	5.830	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	2341	415.625	ug/l #	6
90) Hexachloroethane	13.99	117	54	3.577	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.47	75	19	6.470	ug/l #	5

(#) = 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# 992

Delta R.T. 0.01 min

Lab File: VW012604.D

Acq: 04 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

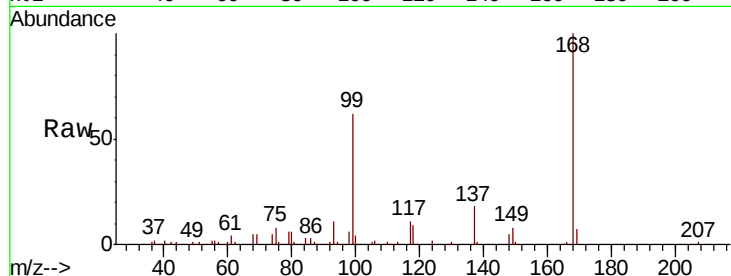
TP-10-S2

Tgt Ion:168 Resp: 43105

Ion Ratio Lower Upper

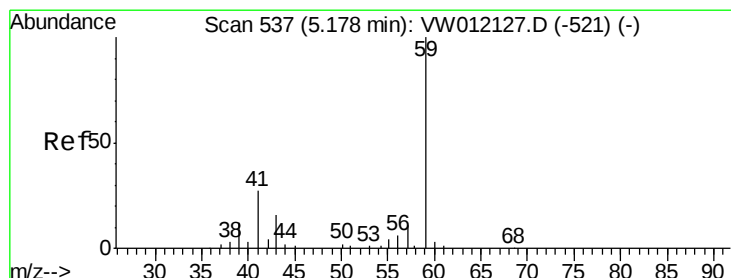
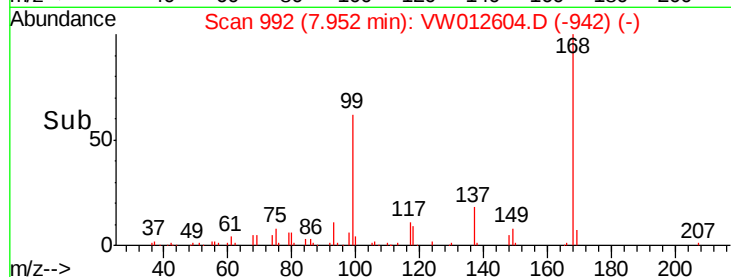
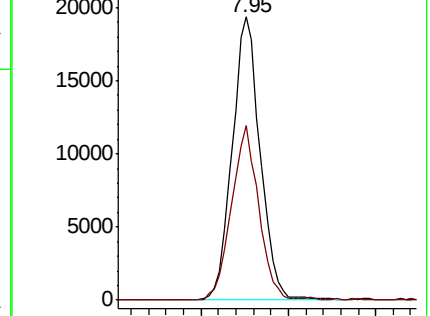
168 100

99 61.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.562 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.01 min

Lab File: VW012604.D

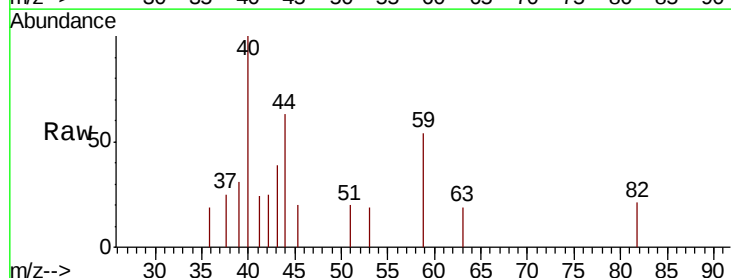
Acq: 04 Sep 2019 21:05

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

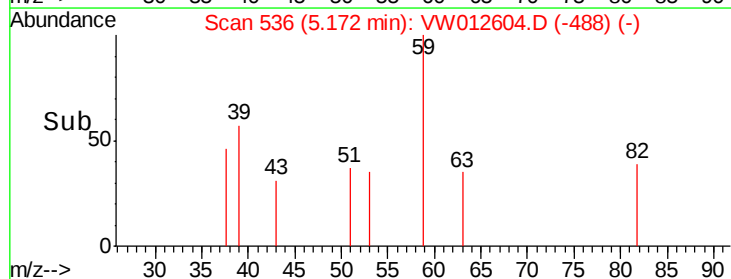
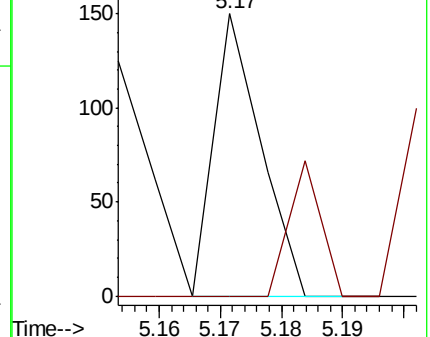
59 100

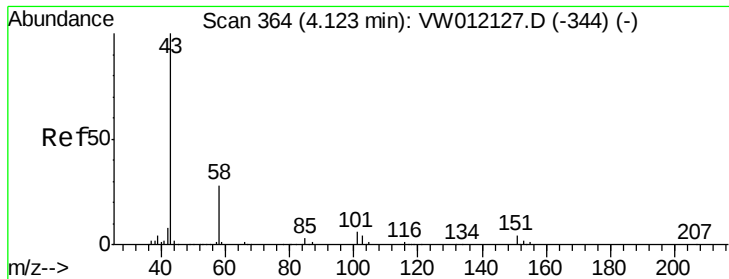
57 32.9 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

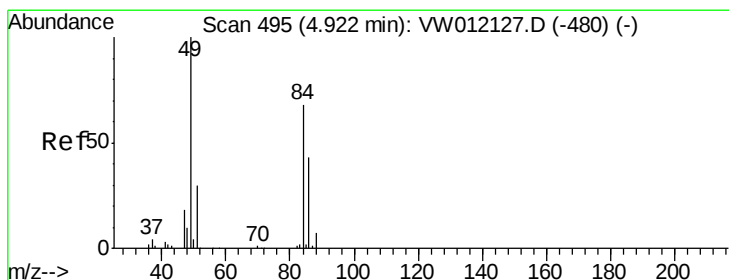
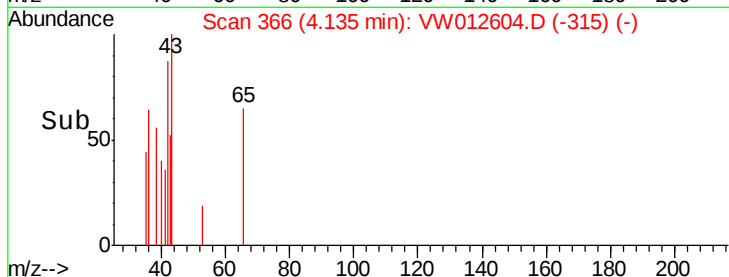
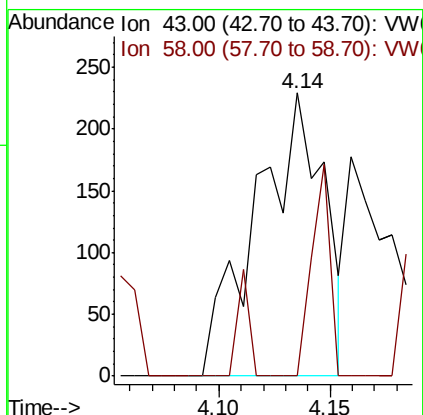
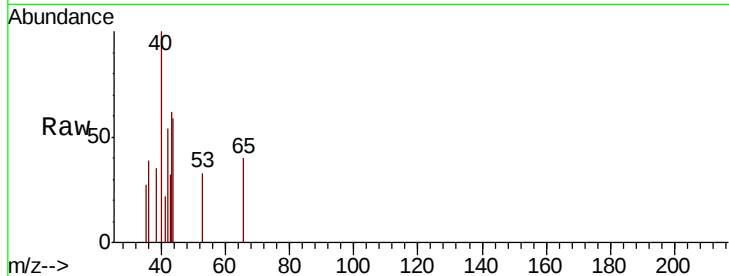




#16
Acetone
Concen: 3.687 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

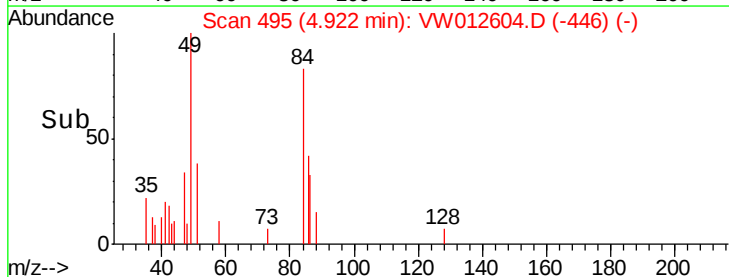
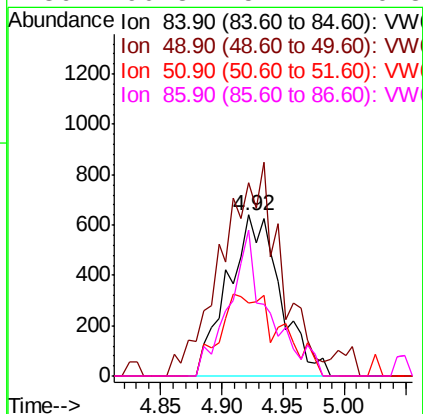
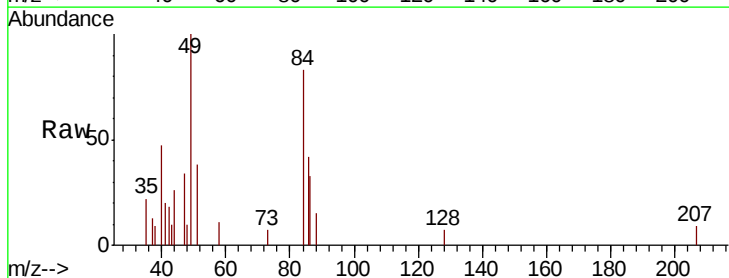
Instrument :
MSVOA_W
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TP-10-S2

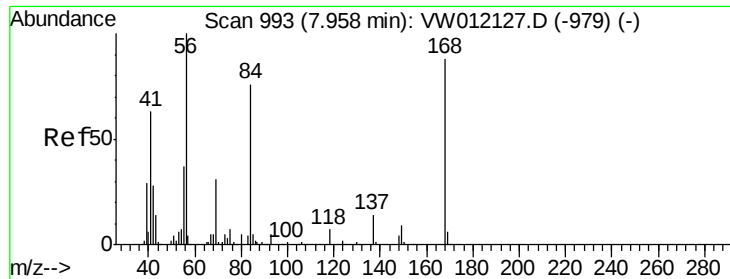
Tgt Ion: 43 Resp: 483
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#



#20
Methylene Chloride
Concen: 3.869 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Tgt Ion: 84 Resp: 1916
Ion Ratio Lower Upper
84 100
49 103.9 117.8 176.8#
51 45.3 35.6 53.4
86 90.8 51.2 76.8#

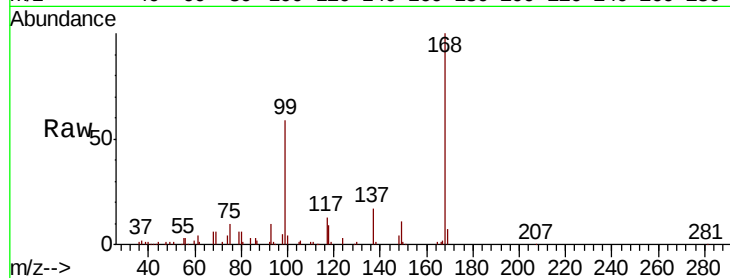




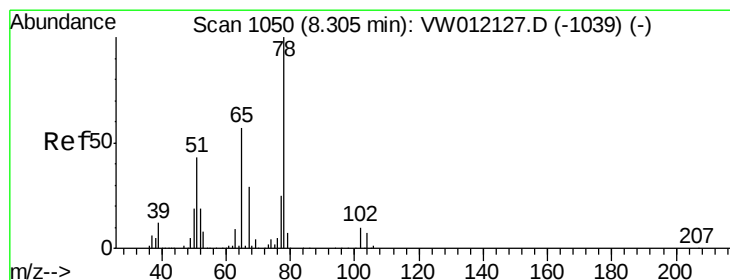
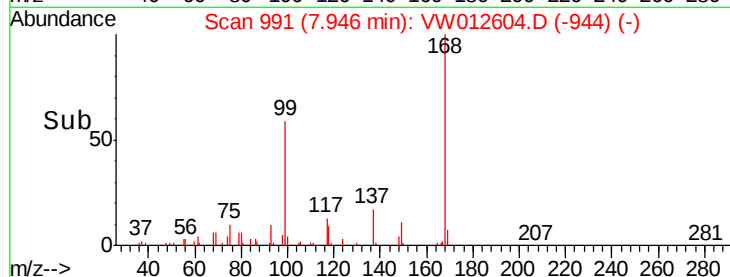
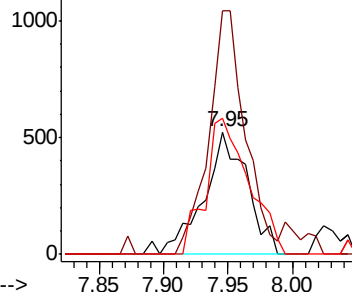
#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
TP-10-S2

Tgt Ion: 56 Resp: 1240
Ion Ratio Lower Upper
56 100
69 198.7 24.9 37.3#
84 111.4 60.6 90.8#

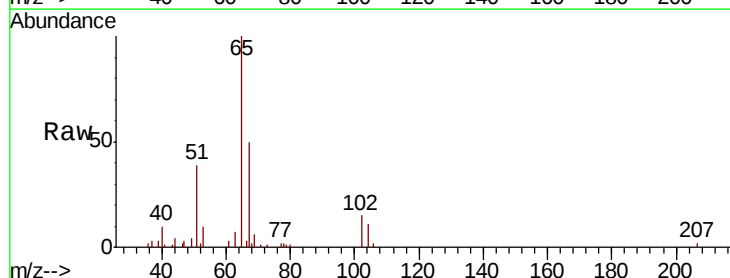


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

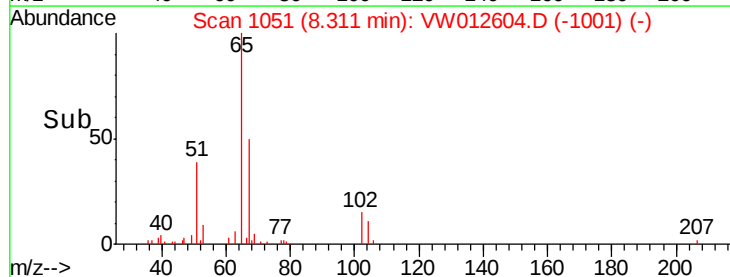
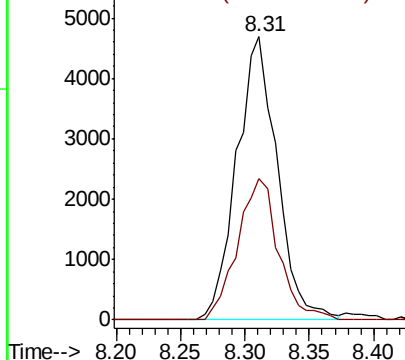


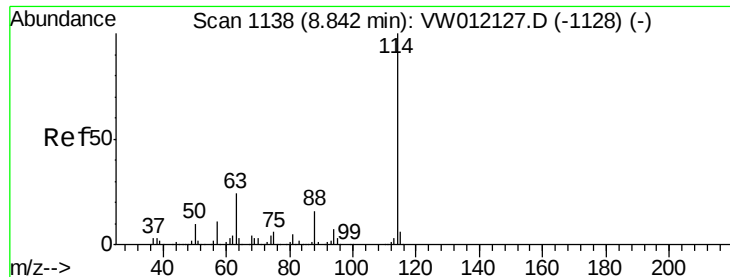
#33
1,2-Dichloroethane-d4
Concen: 19.914 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Tgt Ion: 65 Resp: 10204
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.6



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

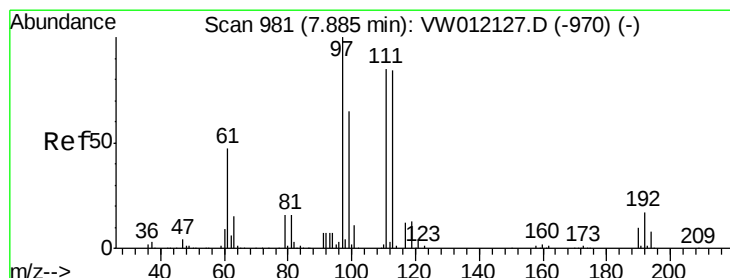
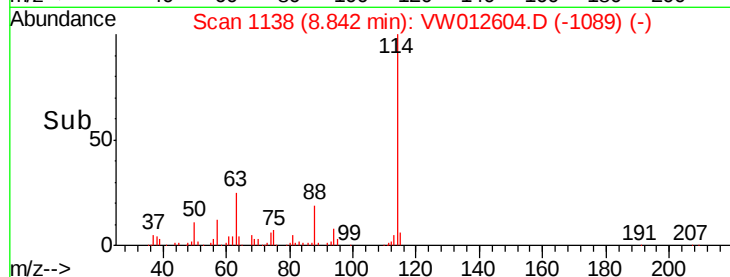
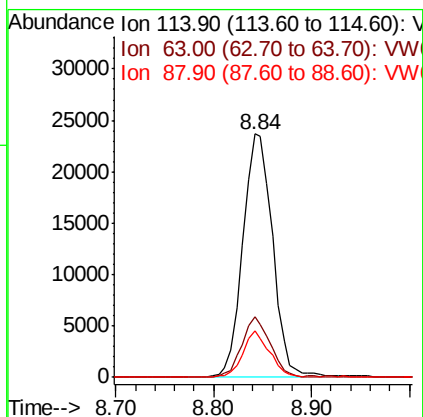
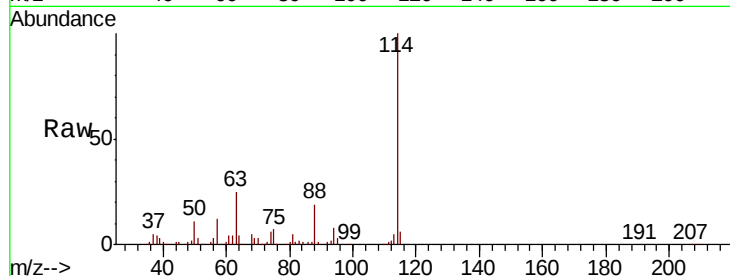




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012604.D
 Acq: 04 Sep 2019 21:05

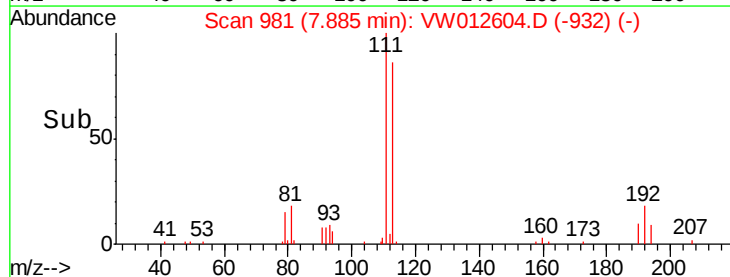
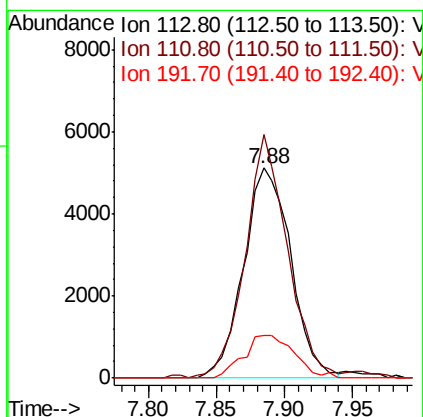
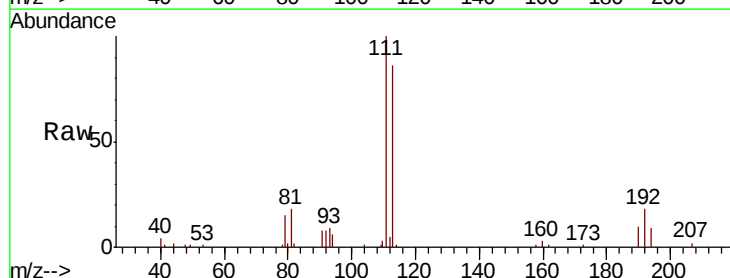
Instrument :
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 ClientSampleId :
 TP-10-S2

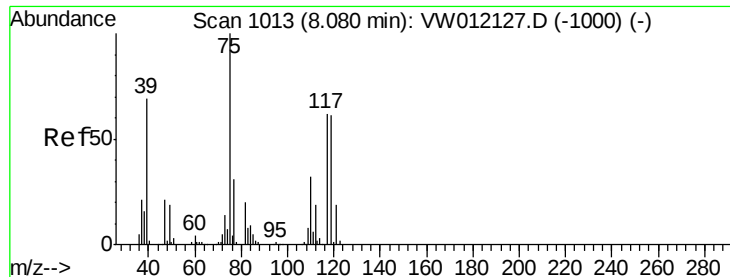
Tgt Ion:114 Resp: 50073
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 19.1 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 41.681 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012604.D
 Acq: 04 Sep 2019 21:05

Tgt Ion:113 Resp: 12458
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.7 124.1
 192 21.9 16.2 24.2

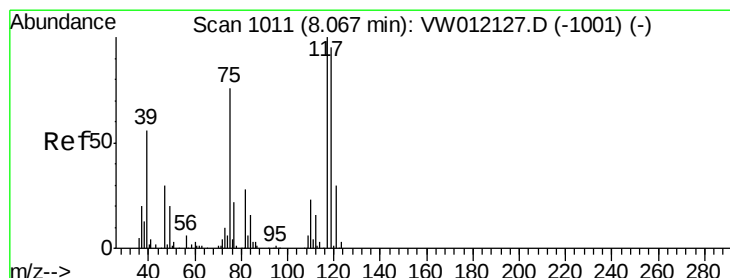
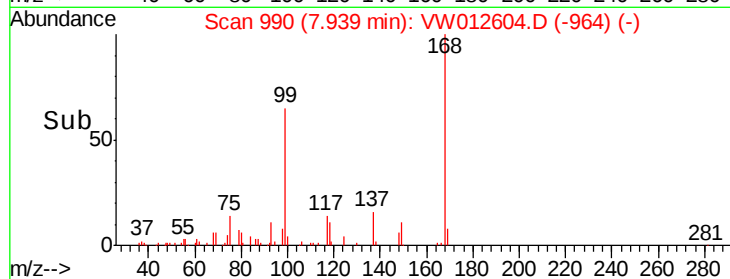
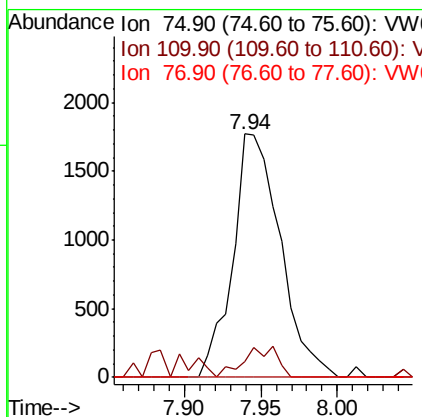
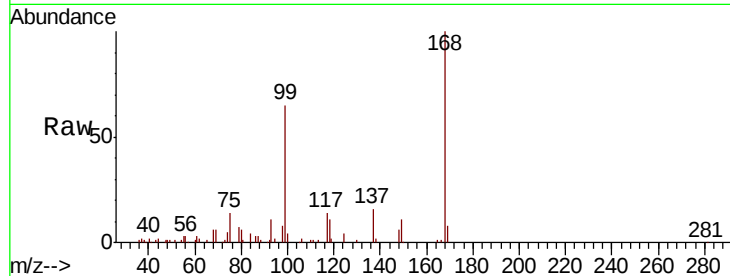




#36
 1,1-Dichloropropene
 Concen: 7.417 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012604.D
 Acq: 04 Sep 2019 21:05

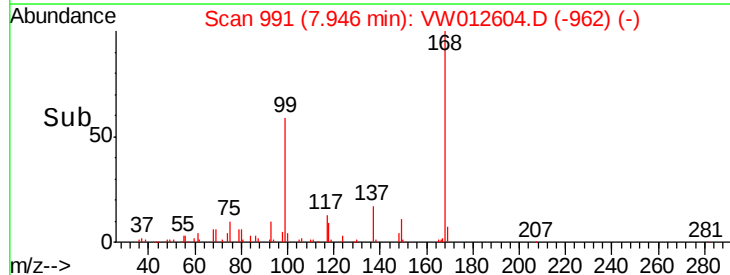
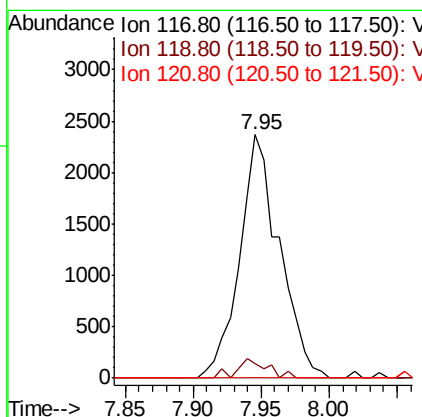
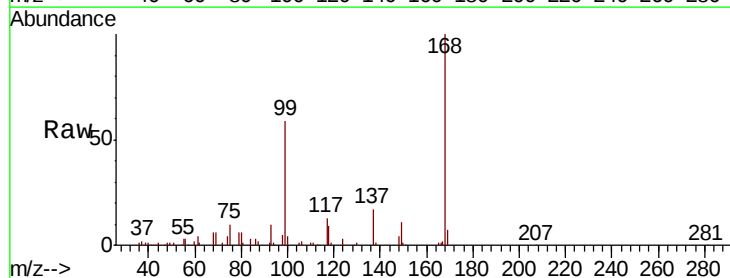
Instrument :
 MSVOA_W
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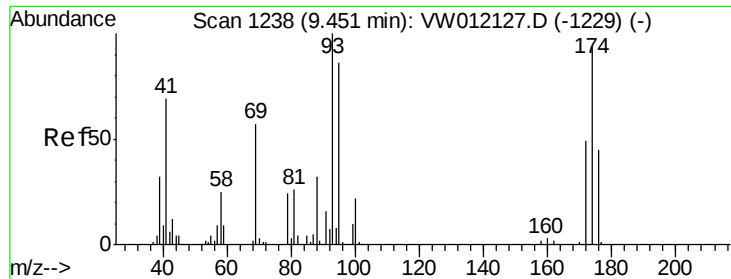
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 10.747 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012604.D
 Acq: 04 Sep 2019 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.2	114.2#
121	0.0	23.8	35.8#

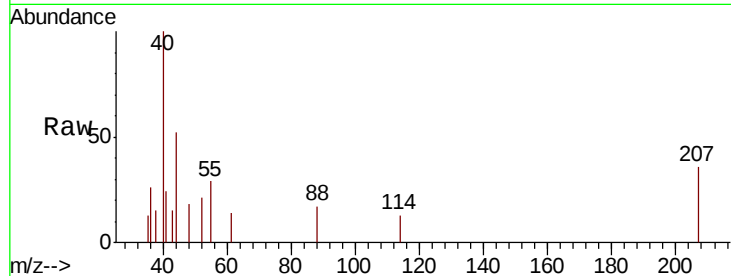




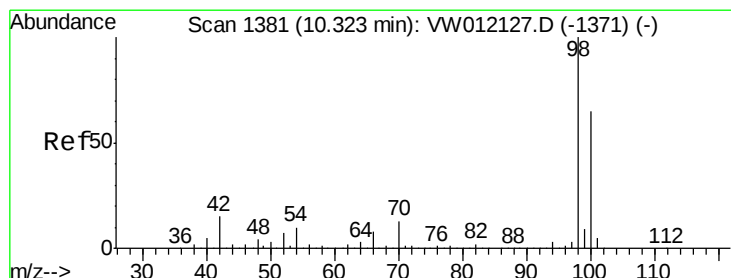
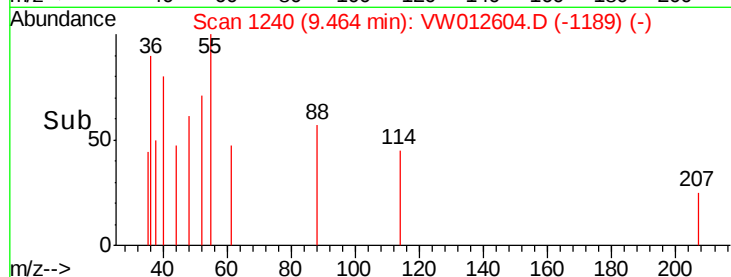
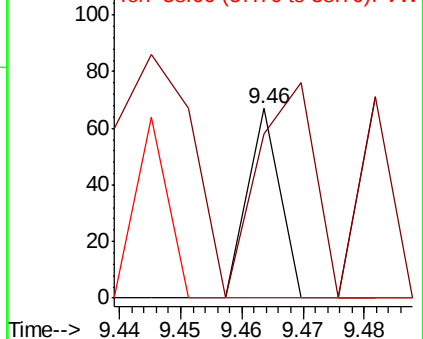
#49
1,4-Dioxane
Concen: 9.652 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampled :
TP-10-S2

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 300.0 32.9 49.3#
58 0.0 71.0 106.4#

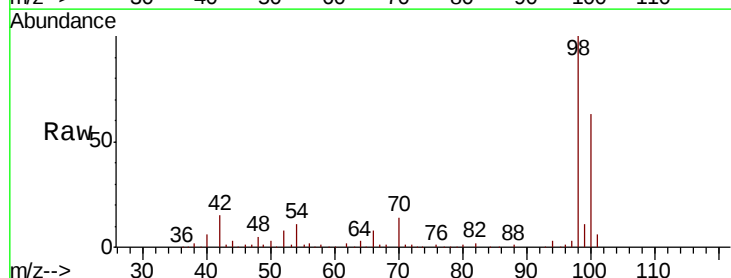


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

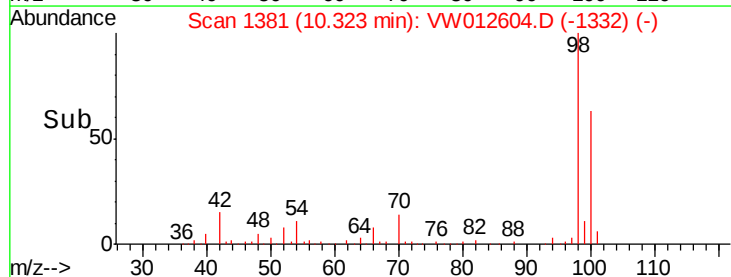
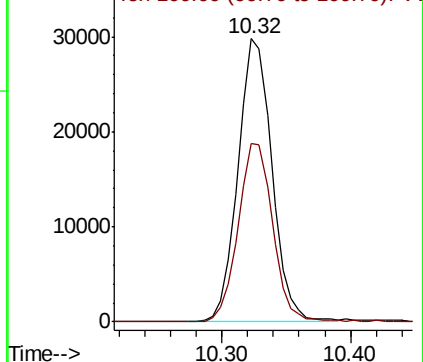


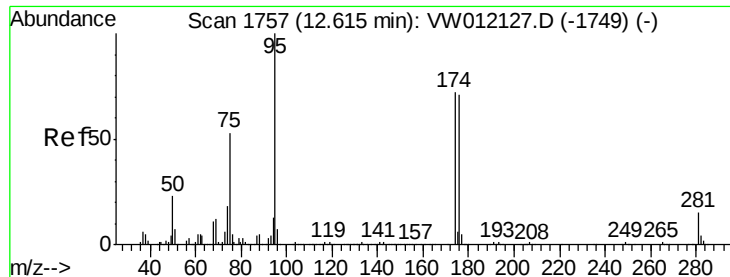
#50
Toluene-d8
Concen: 44.982 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Tgt Ion: 98 Resp: 54514
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

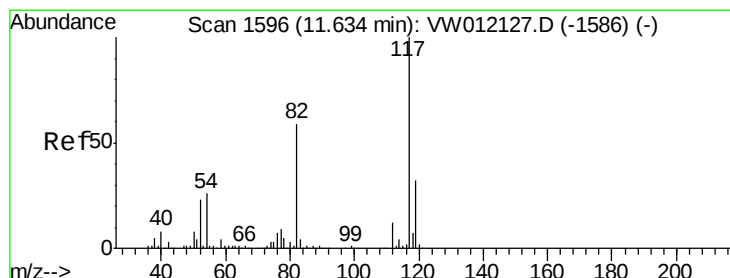
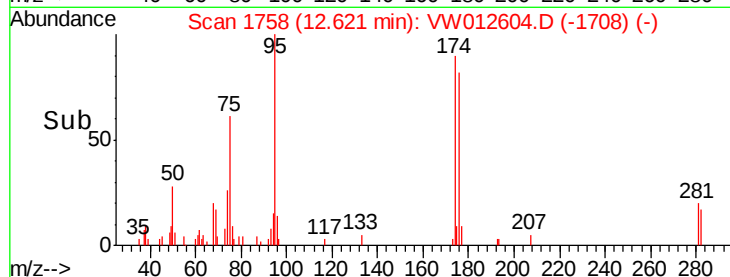
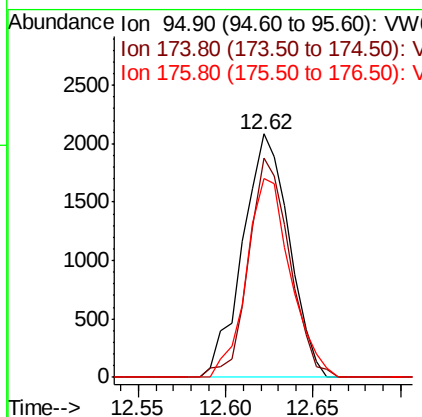
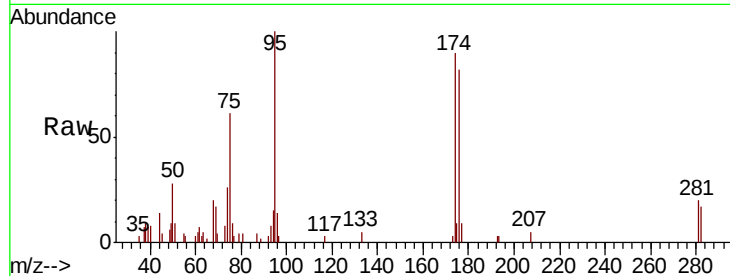




#62
4-Bromofluorobenzene
Concen: 9.054 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

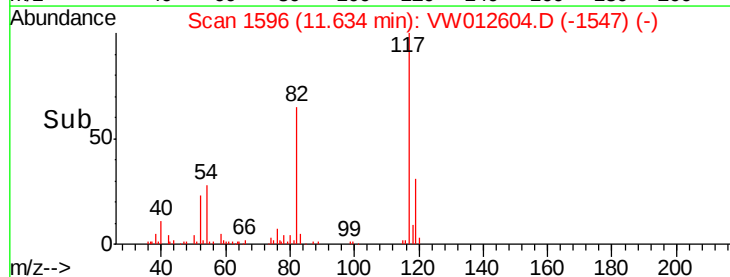
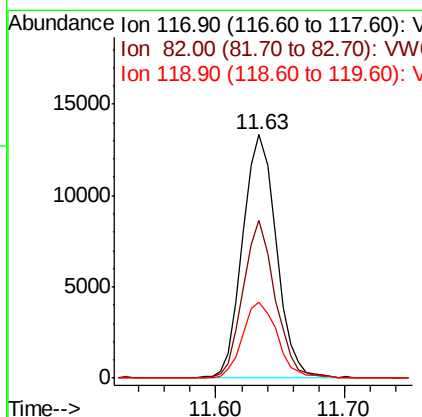
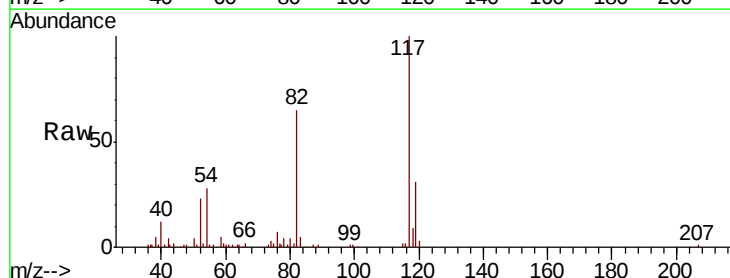
Instrument :
MSVOA_W
ClientSampled :
TP-10-S2

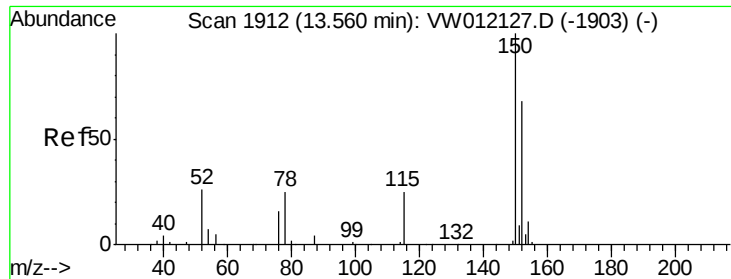
Tgt Ion: 95 Resp: 3868
Ion Ratio Lower Upper
95 100
174 79.5 0.0 150.8
176 77.7 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Tgt Ion: 117 Resp: 24165
Ion Ratio Lower Upper
117 100
82 64.8 47.4 71.2
119 31.4 25.4 38.2



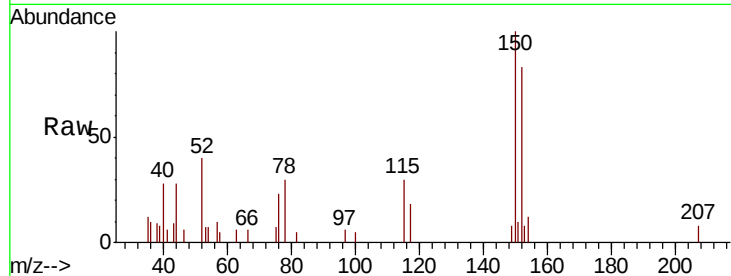


#72

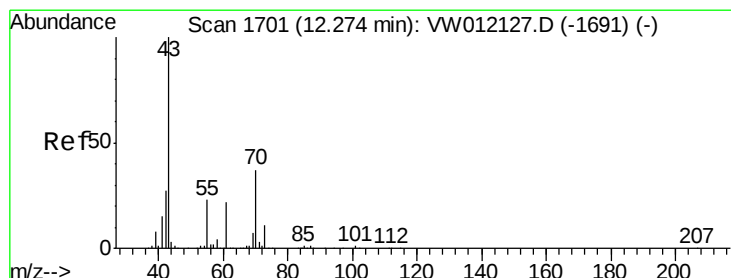
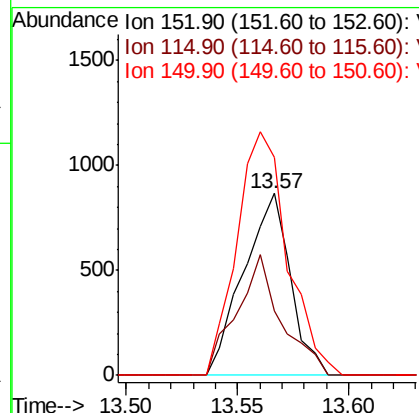
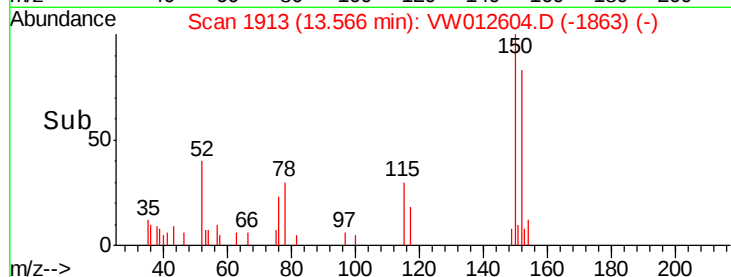
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Instrument :
MSVOA_W
ClientSampleId :
TP-10-S2

Tgt Ion: 152 Resp: 1268
Ion Ratio Lower Upper
152 100
115 63.2 30.1 90.3
150 145.0 0.0 345.8



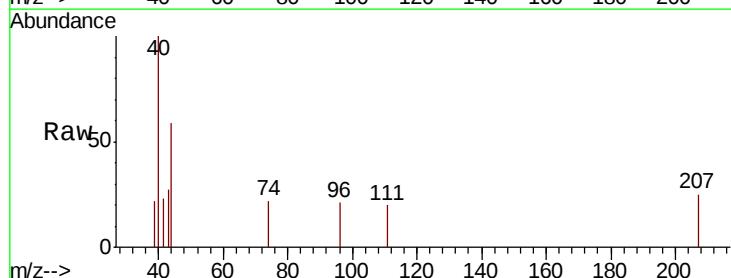
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



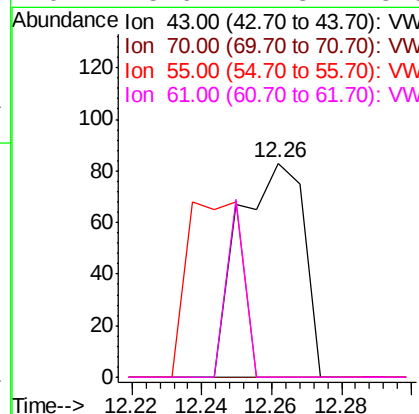
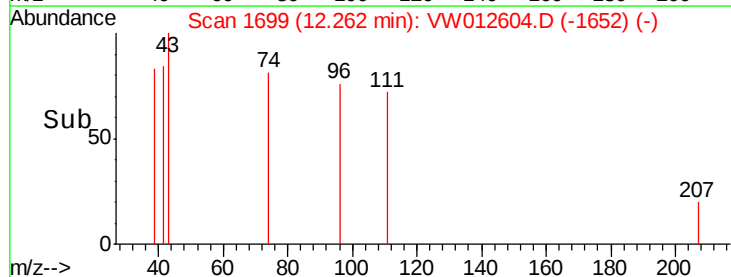
#74

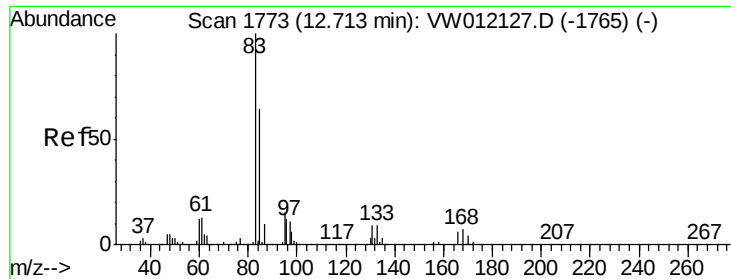
N-aryl acetate
Concen: 3.693 ug/l
RT: 12.26 min Scan# 1699
Delta R.T. -0.01 min
Lab File: VW012604.D
Acq: 04 Sep 2019 21:05

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
70 0.0 28.6 43.0#
55 0.0 17.8 26.6#
61 23.6 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 1.148 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.05 min

Lab File: VW012604.D

Acq: 04 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

TP-10-S2

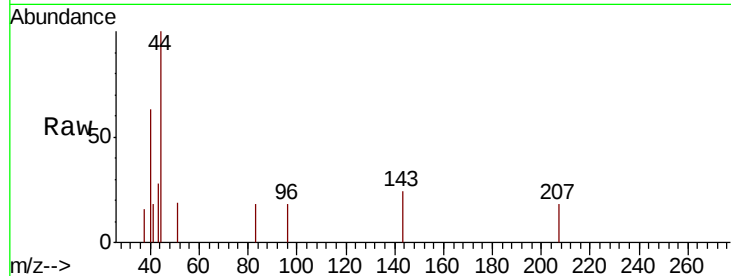
Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

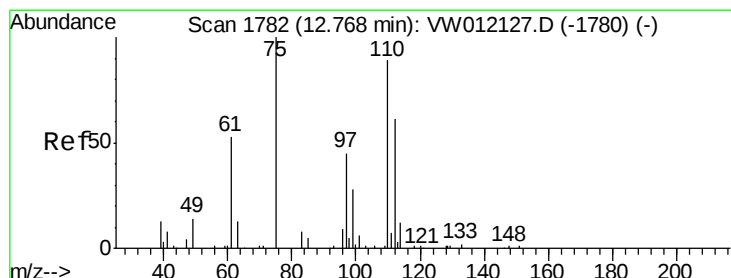
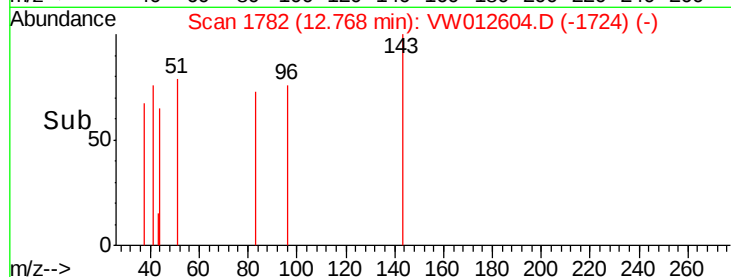
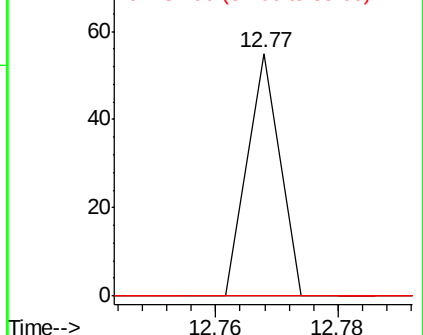
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 5.830 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. 0.03 min

Lab File: VW012604.D

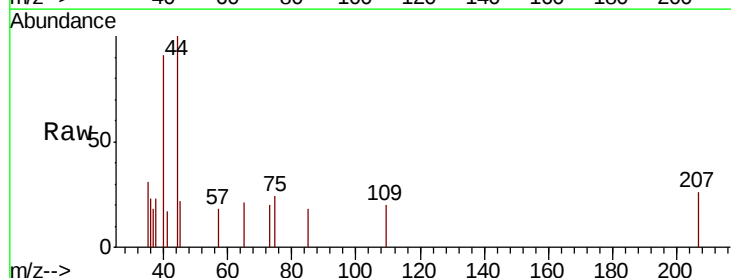
Acq: 04 Sep 2019 21:05

Tgt Ion: 75 Resp: 72

Ion Ratio Lower Upper

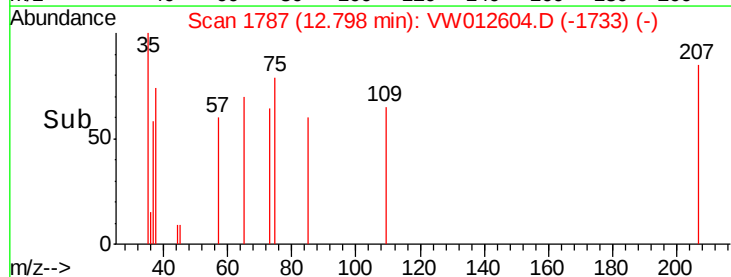
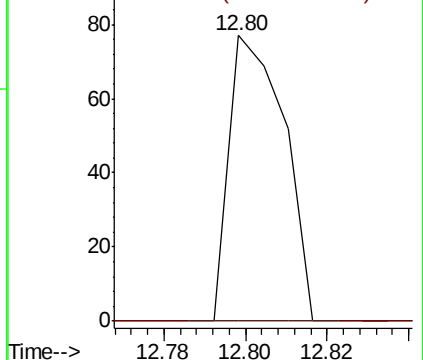
75 100

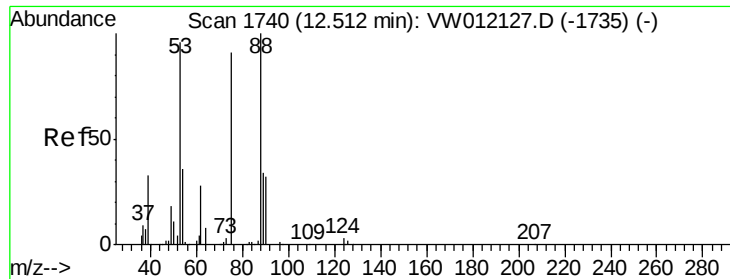
77 0.0 0.0 0.0



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: 415.625 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012604.D

Acq: 04 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampled :

TP-10-S2

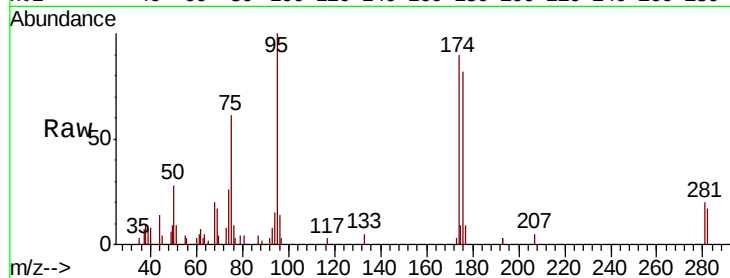
Tgt Ion: 75 Resp: 2341

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

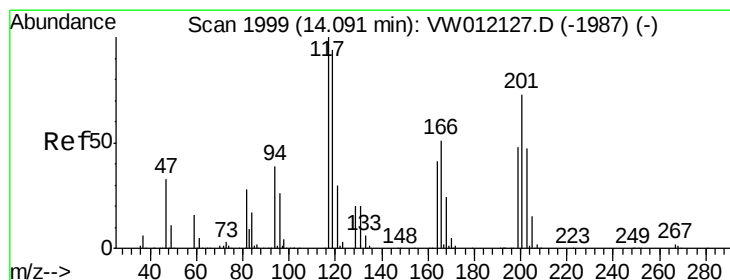
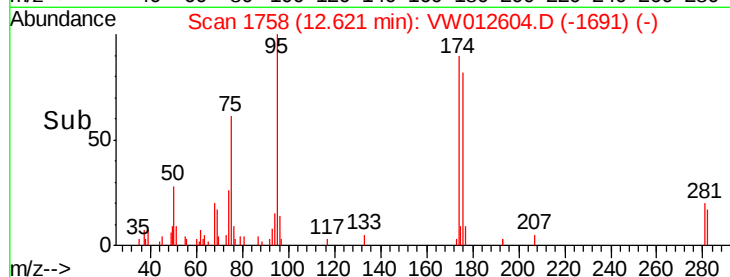
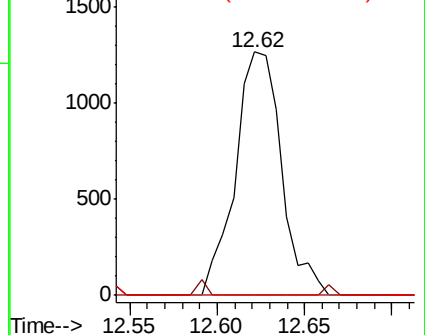
89 0.0 34.5 51.7#



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



#90

Hexachloroethane

Concen: 3.577 ug/l

RT: 13.99 min Scan# 1983

Delta R.T. -0.10 min

Lab File: VW012604.D

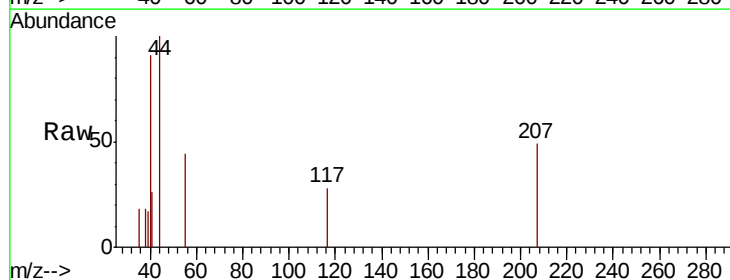
Acq: 04 Sep 2019 21:05

Tgt Ion: 117 Resp: 54

Ion Ratio Lower Upper

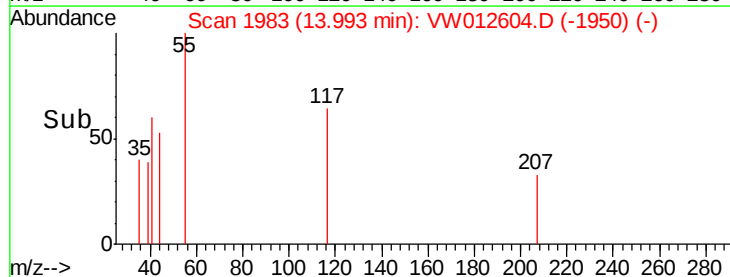
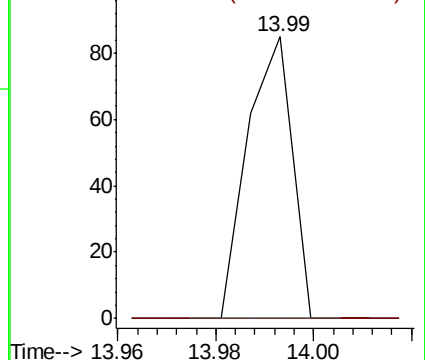
117 100

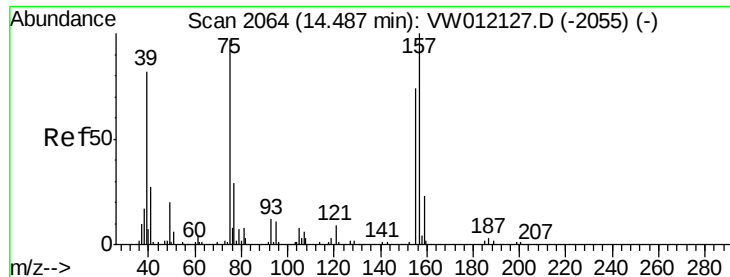
201 0.0 38.6 115.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.470 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW012604.D

Acq: 04 Sep 2019 21:05

Instrument :

MSVOA_W

ClientSampleId :

TP-10-S2

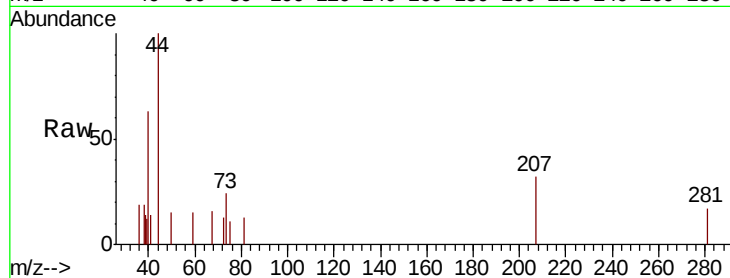
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

157 0.0 50.5 151.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

