

Data File : VW008293.D
Acq On : 15 Jan 2019 20:29
Operator : SY/VA
Sample : K1147-25
Misc : 8.05G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-9

Quant Time: Jan 16 00:55:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	27997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	49663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	43712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	18939	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	
35) Dibromofluoromethane	7.88	113	16740	57.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.58%	
50) Toluene-d8	10.32	98	62846	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	20094	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds

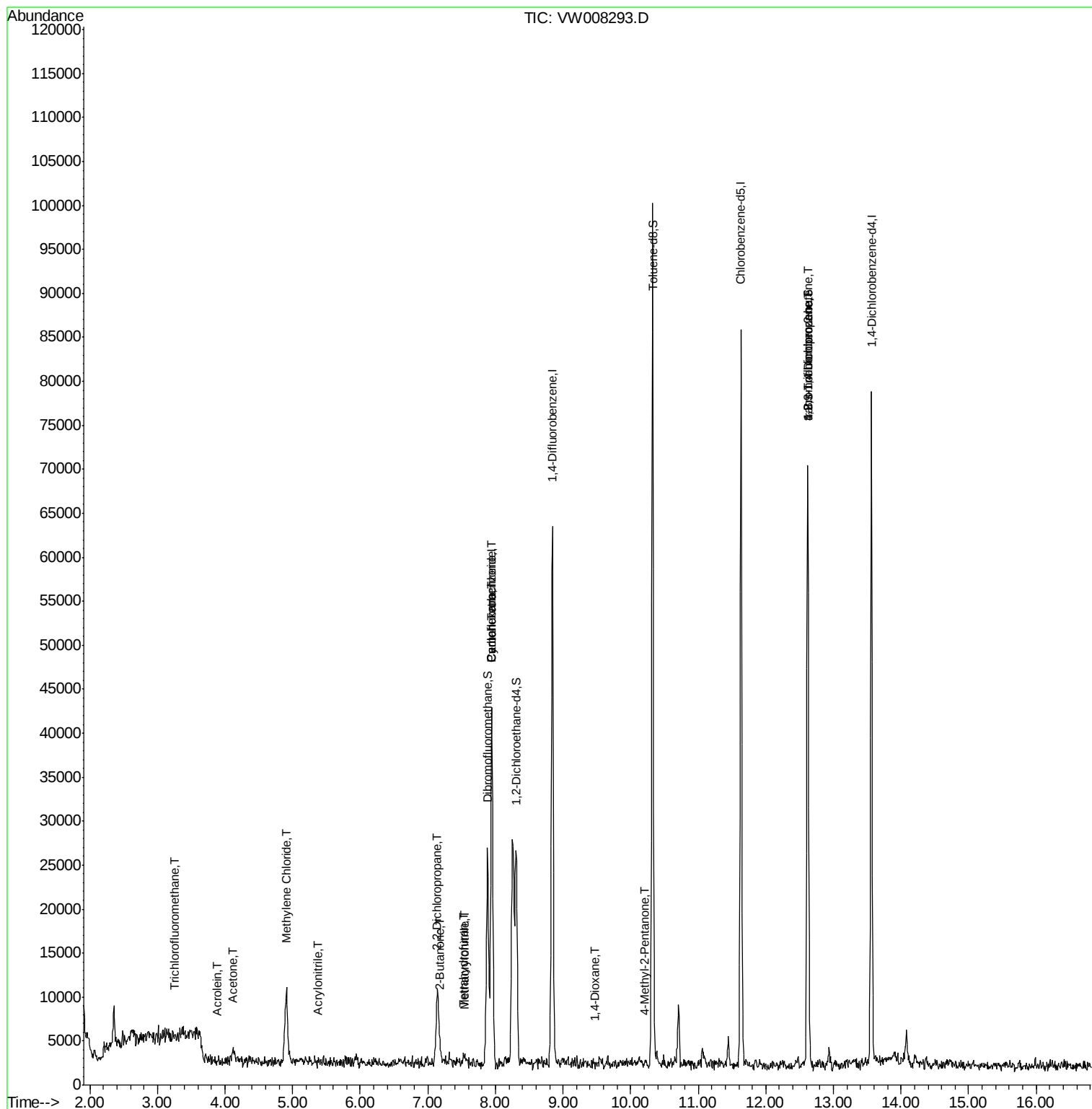
					Qvalue	
7) Trichlorofluoromethane	3.26	101	362	1.151	ug/l	89
11) Tert butyl alcohol	5.21	59	100	Below Cal	#	100
13) Acrolein	3.89	56	92	2.912	ug/l #	47
15) Acrylonitrile	5.37	53	241	3.560	ug/l #	51
16) Acetone	4.12	43	2687	28.793	ug/l	96
20) Methylene Chloride	4.91	84	5668	14.922	ug/l #	90
25) 2-Butanone	7.18	43	436	4.980	ug/l #	49
26) 2,2-Dichloropropane	7.13	77	450	1.074	ug/l #	53
29) Tetrahydrofuran	7.53	42	861	14.723	ug/l #	84
31) Cyclohexane	7.95	56	997	1.506	ug/l #	44
38) Carbon Tetrachloride	7.94	117	3151	6.729	ug/l #	17
41) Methacrylonitrile	7.54	41	638	4.928	ug/l #	57
49) 1,4-Dioxane	9.47	88	19	6.992	ug/l #	11
51) 4-Methyl-2-Pentanone	10.21	43	639	3.221	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	10284	59.468	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	10284	138.484	ug/l #	12

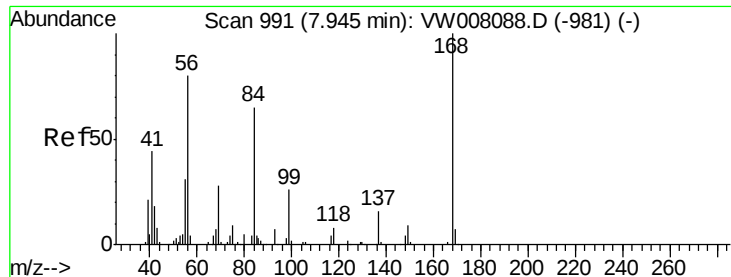
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008293.D

Acq: 15 Jan 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

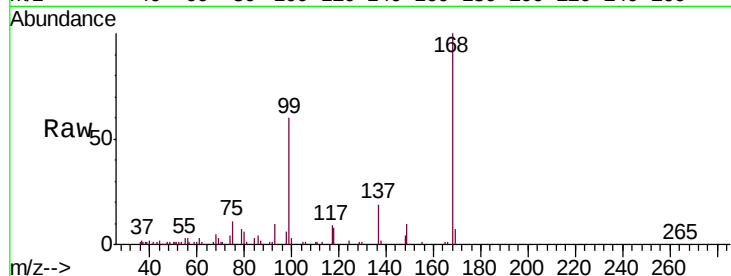
TP-9

Tgt Ion:168 Resp: 27997

Ion Ratio Lower Upper

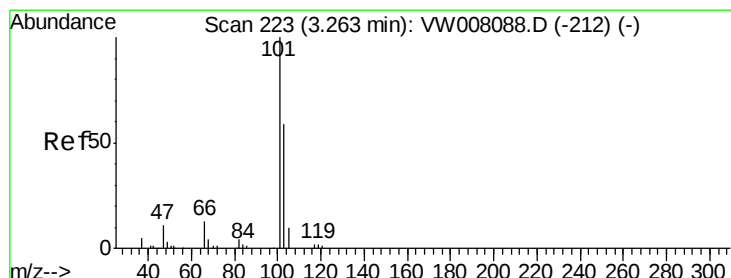
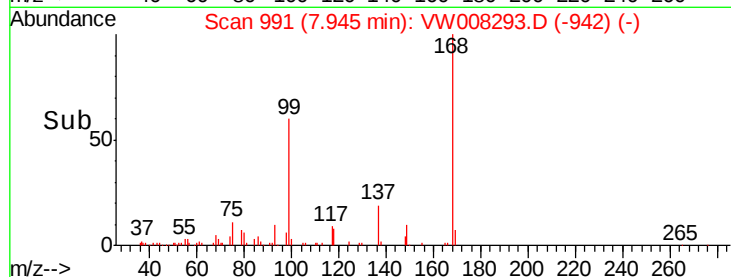
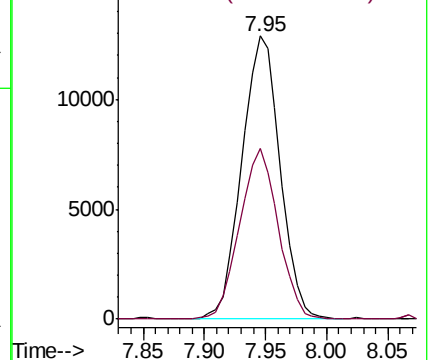
168 100

99 60.1 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#7

Trichlorofluoromethane

Concen: 1.151 ug/l

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW008293.D

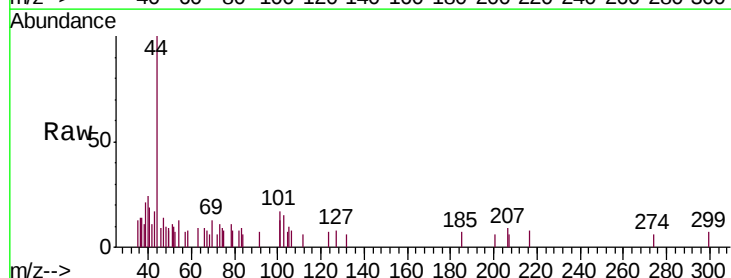
Acq: 15 Jan 2019 20:29

Tgt Ion:101 Resp: 362

Ion Ratio Lower Upper

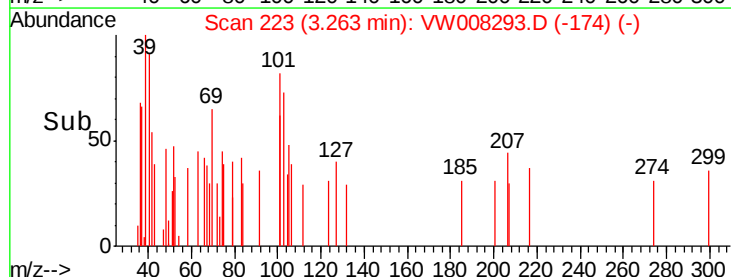
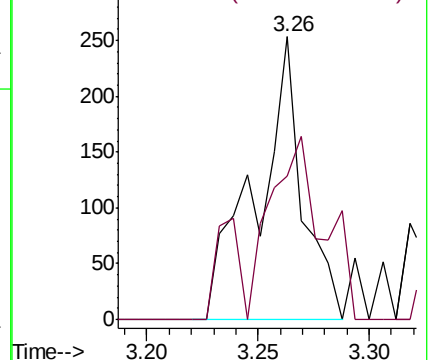
101 100

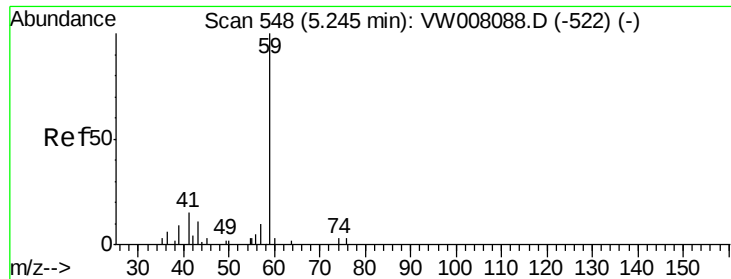
103 50.6 47.0 70.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

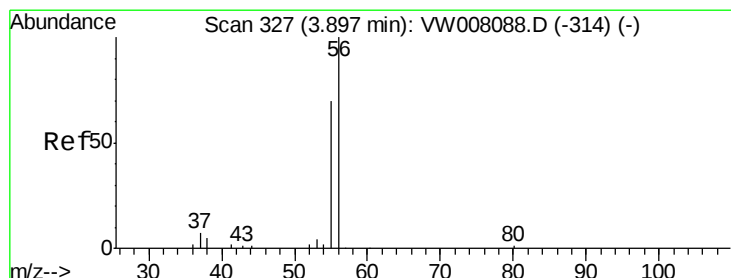
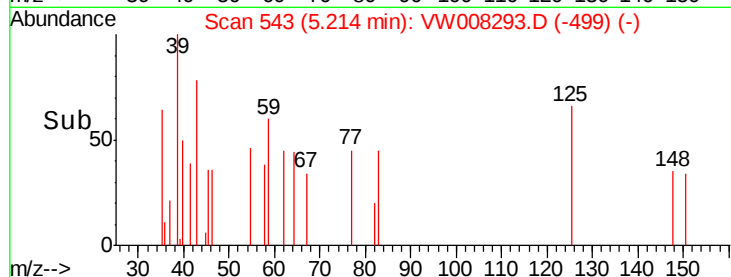
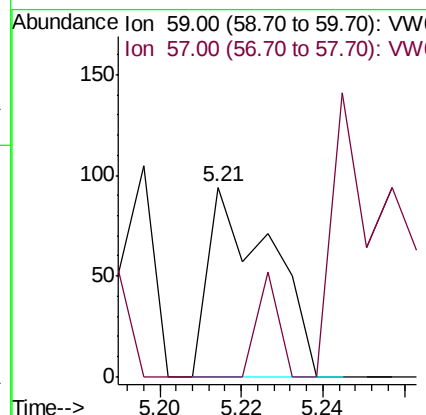
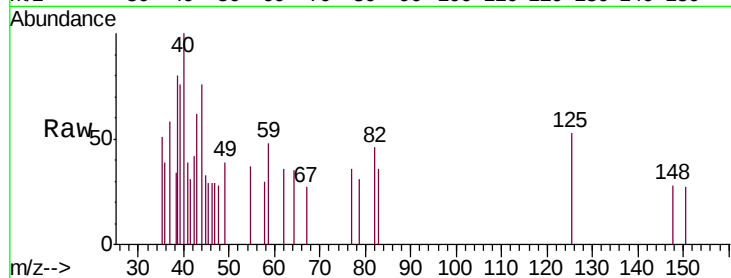




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 543
Delta R.T. -0.03 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

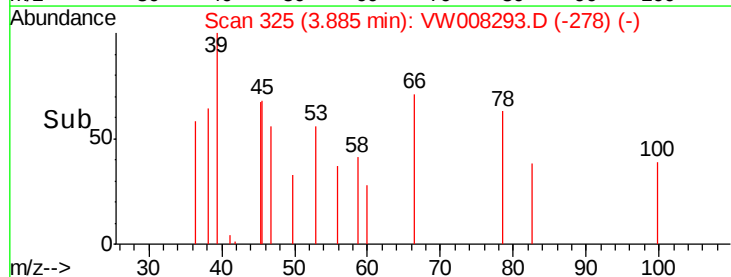
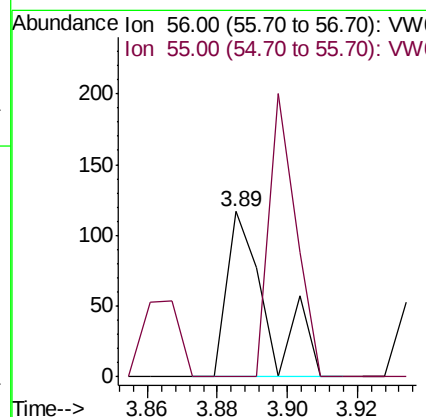
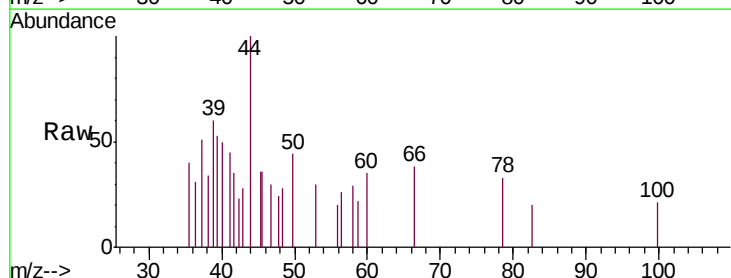
Instrument :
MSVOA_W
ClientSampled :
TP-9

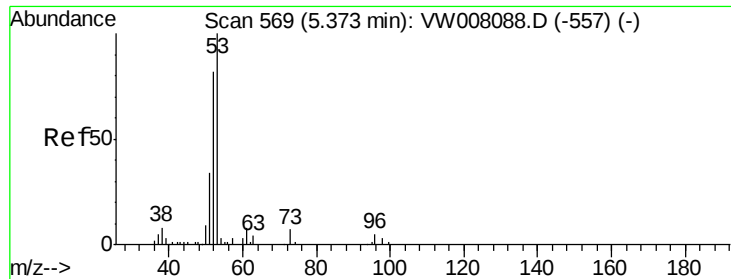
Tgt Ion: 59 Resp: 100
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#13
Acrolein
Concen: 2.912 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 114.1 56.6 84.8#





#15

Acrylonitrile

Concen: 3.560 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008293.D

Acq: 15 Jan 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

TP-9

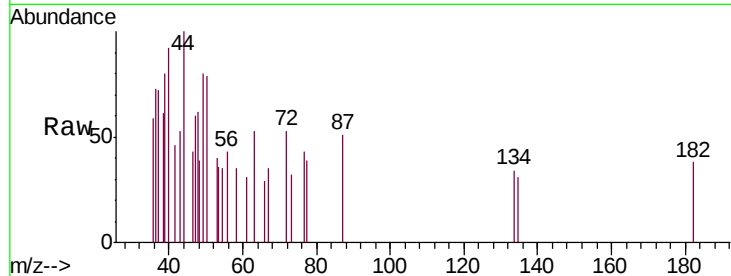
Tgt Ion: 53 Resp: 241

Ion Ratio Lower Upper

53 100

52 20.7 66.8 100.2#

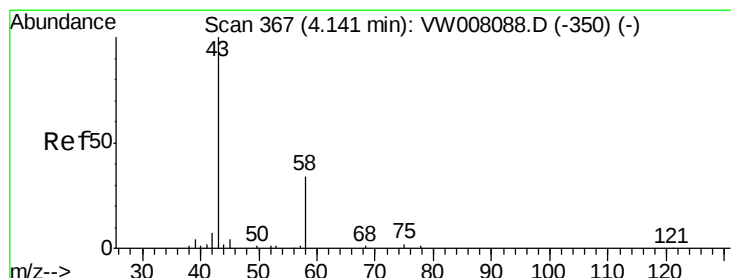
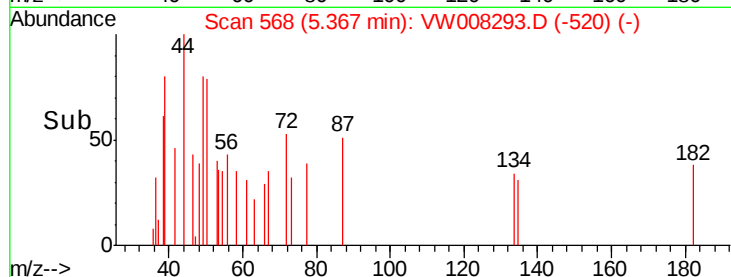
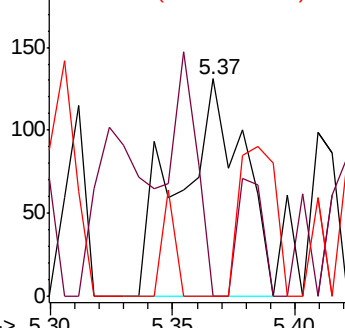
51 38.6 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 28.793 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.02 min

Lab File: VW008293.D

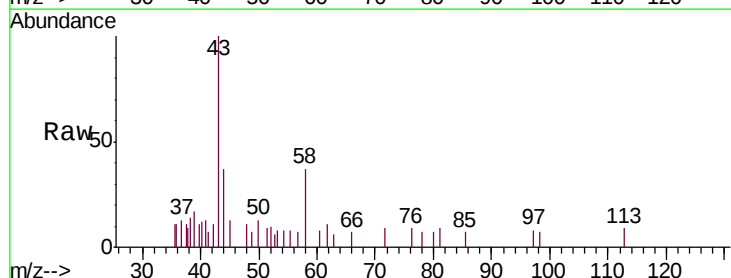
Acq: 15 Jan 2019 20:29

Tgt Ion: 43 Resp: 2687

Ion Ratio Lower Upper

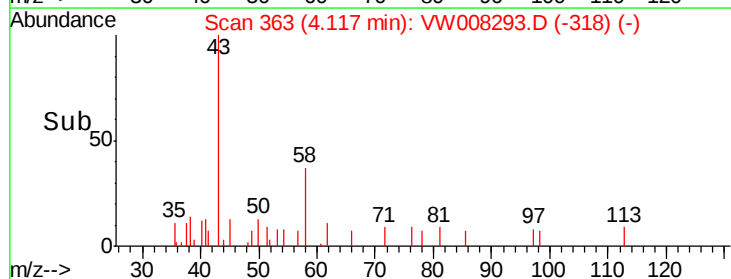
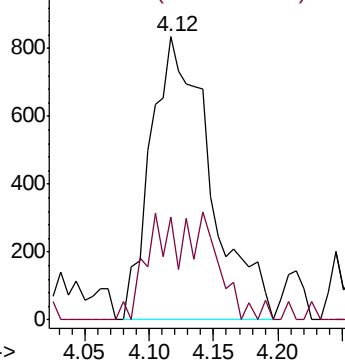
43 100

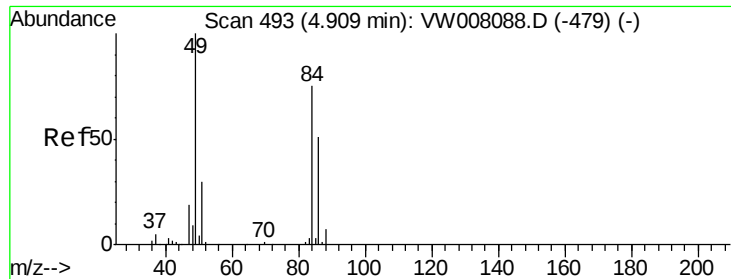
58 36.6 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

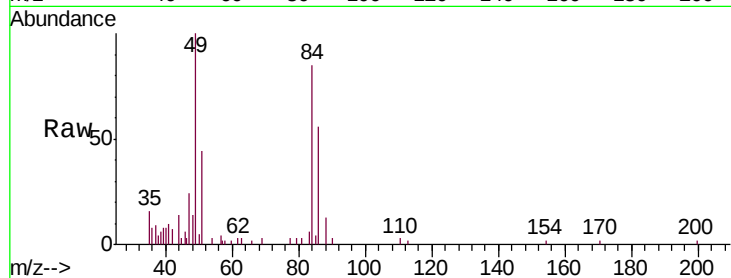




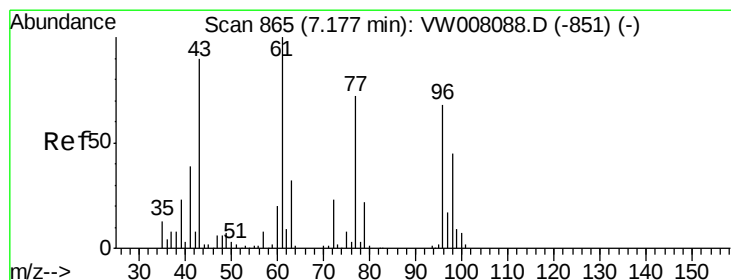
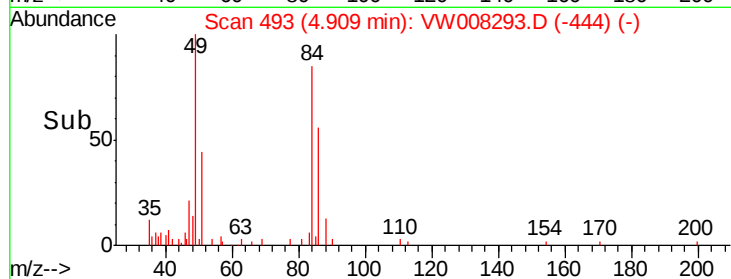
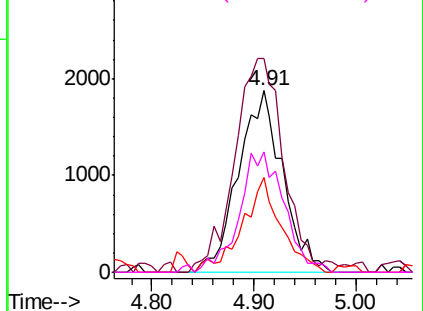
#20
Methylene Chloride
Concen: 14.922 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

Instrument :
MSVOA_W
ClientSampled :
TP-9

Tgt Ion: 84 Resp: 5668
Ion Ratio Lower Upper
84 100
49 117.8 107.1 160.7
51 48.8 32.4 48.6#
86 66.1 54.2 81.4

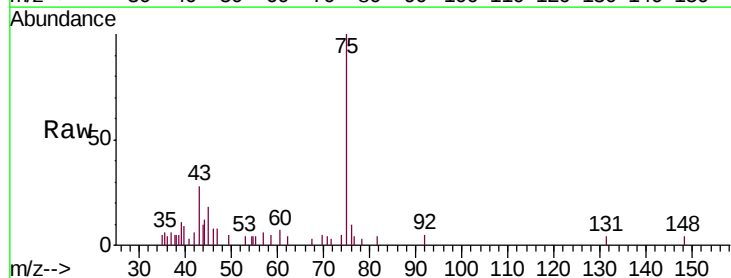


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

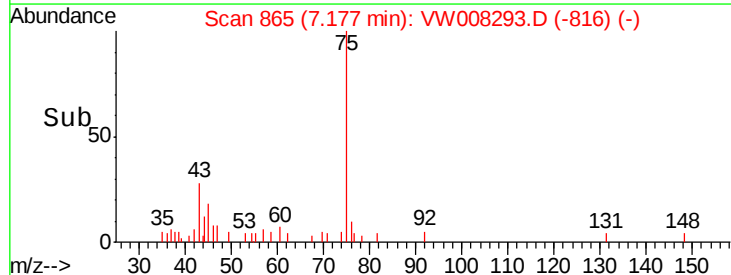
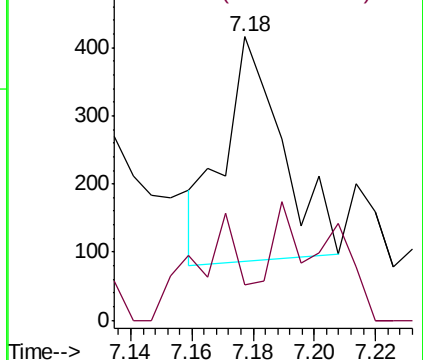


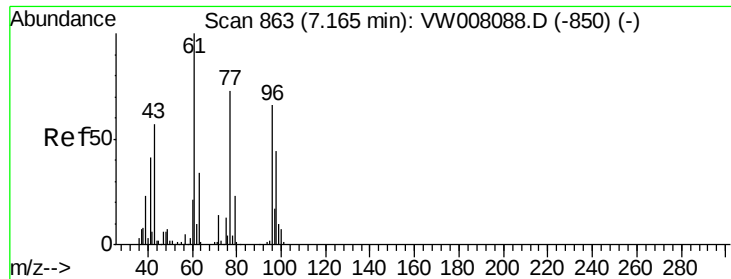
#25
2-Butanone
Concen: 4.980 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.00 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

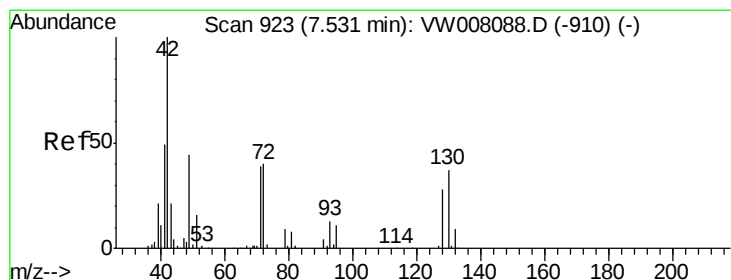
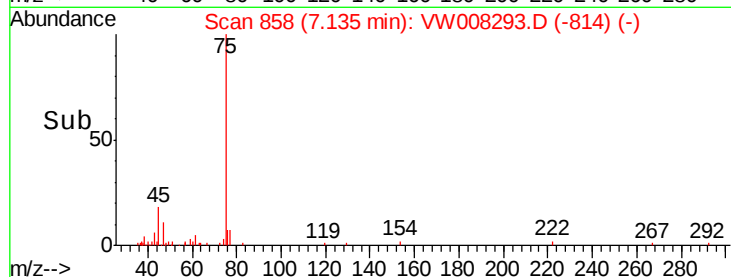
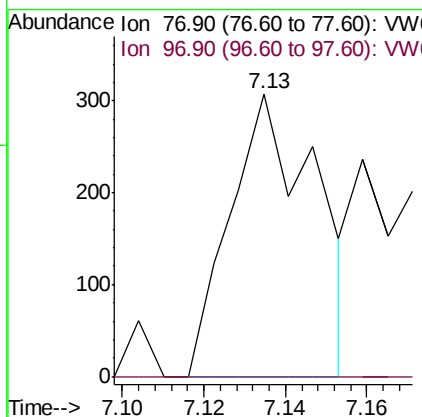
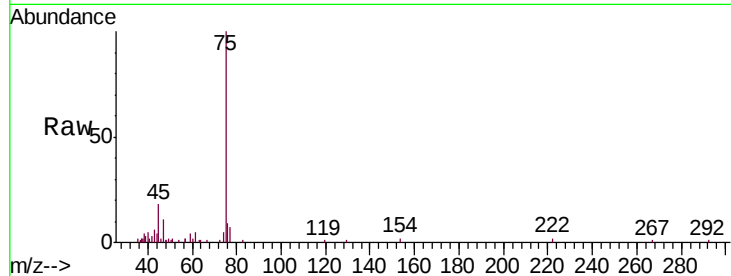




#26
 2,2-Dichloropropane
 Concen: 1.074 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW008293.D
 Acq: 15 Jan 2019 20:29

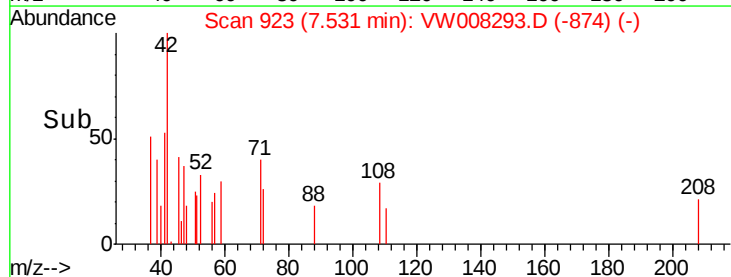
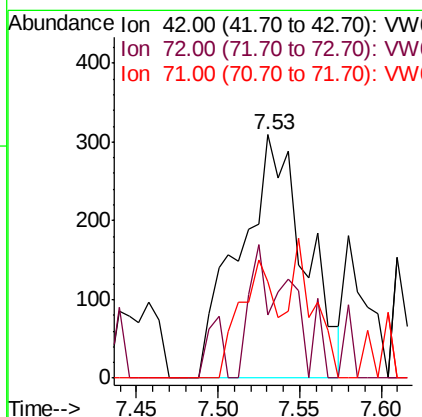
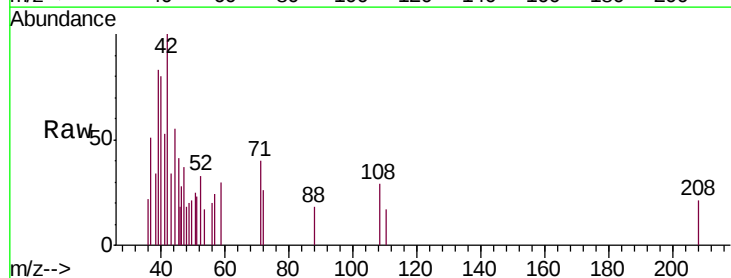
Instrument :
 MSVOA_W
 ClientSampled :
 TP-9

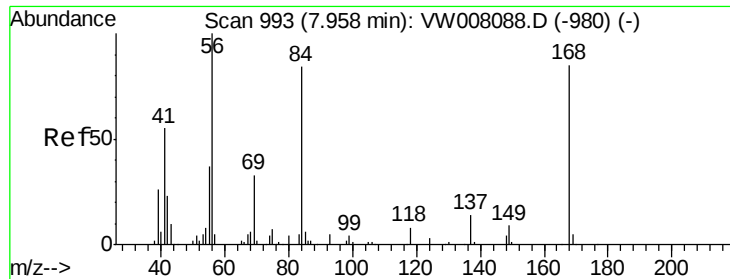
Tgt Ion: 77 Resp: 450
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#



#29
 Tetrahydrofuran
 Concen: 14.723 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VW008293.D
 Acq: 15 Jan 2019 20:29

Tgt Ion: 42 Resp: 861
 Ion Ratio Lower Upper
 42 100
 72 34.3 32.4 48.6
 71 25.7 31.3 46.9#





#31

Cyclohexane

Concen: 1.506 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008293.D

Acq: 15 Jan 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

TP-9

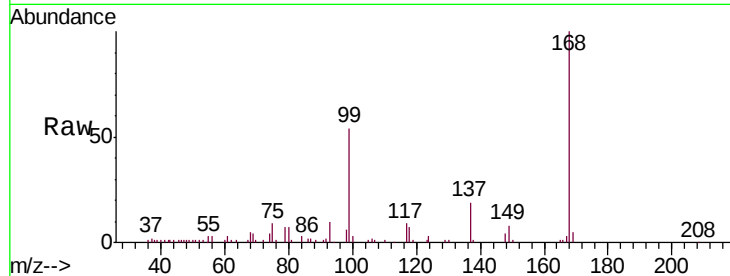
Tgt Ion: 56 Resp: 997

Ion Ratio Lower Upper

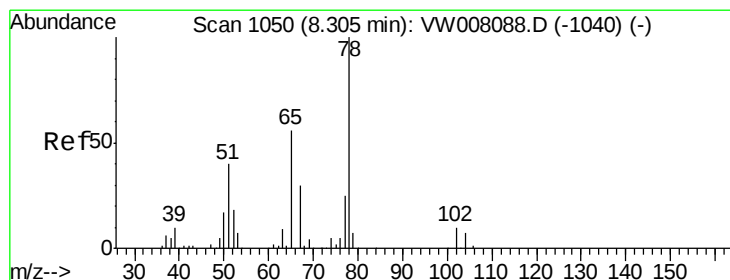
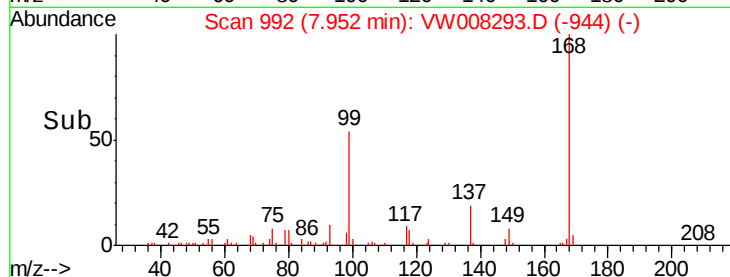
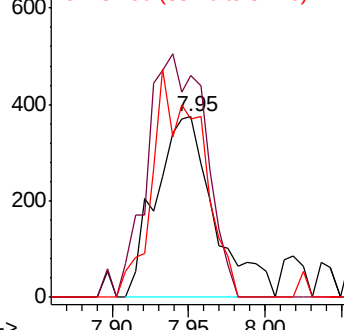
56 100

69 122.9 26.2 39.4#

84 98.9 67.4 101.2



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: 60.188 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008293.D

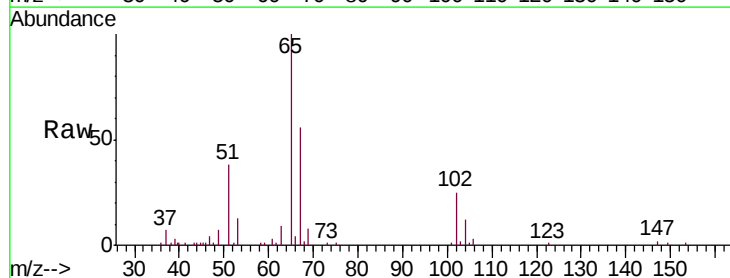
Acq: 15 Jan 2019 20:29

Tgt Ion: 65 Resp: 18939

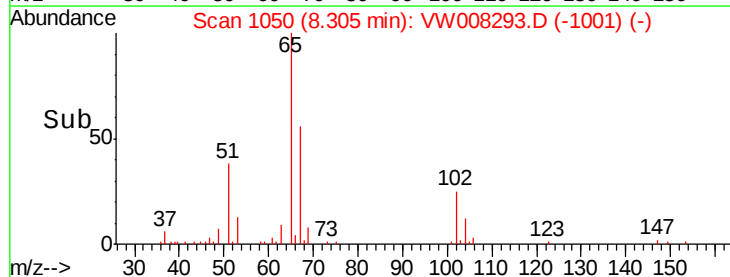
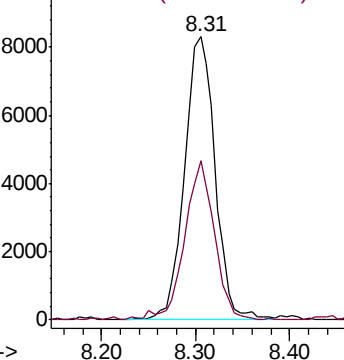
Ion Ratio Lower Upper

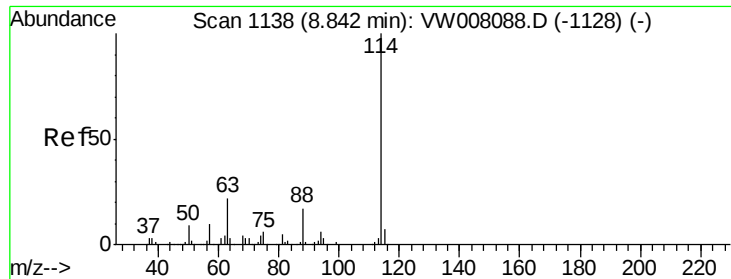
65 100

67 54.8 0.0 106.8



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

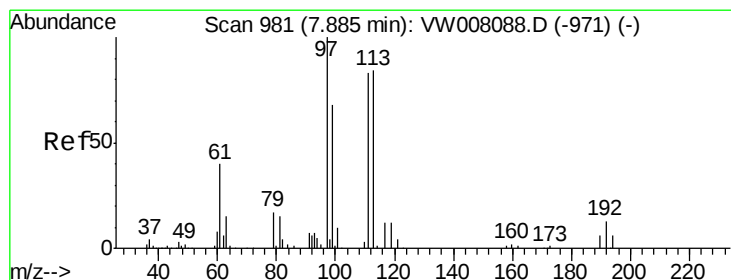
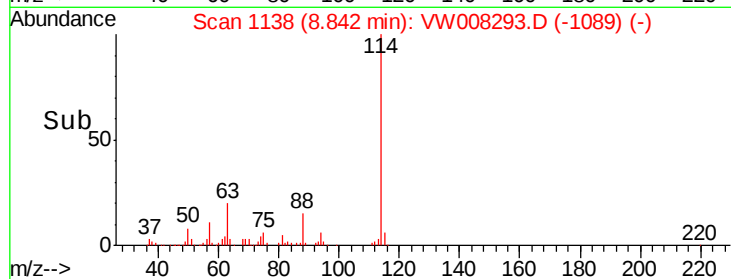
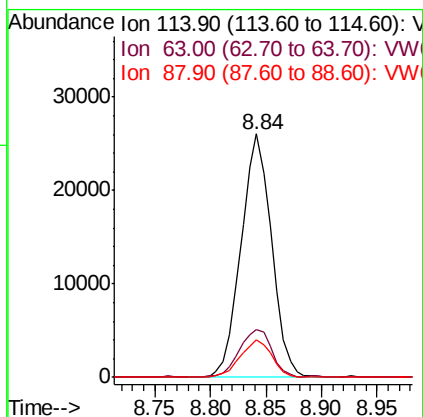
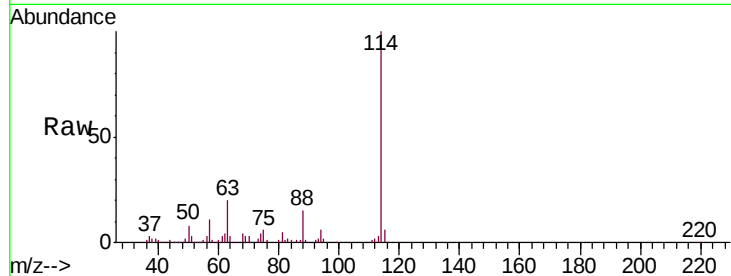




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008293.D
 Acq: 15 Jan 2019 20:29

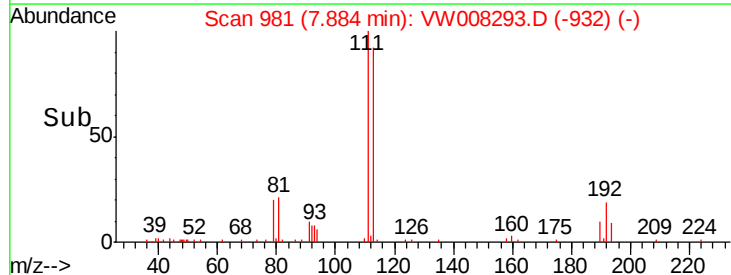
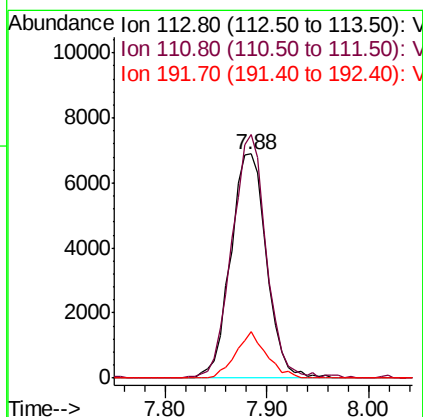
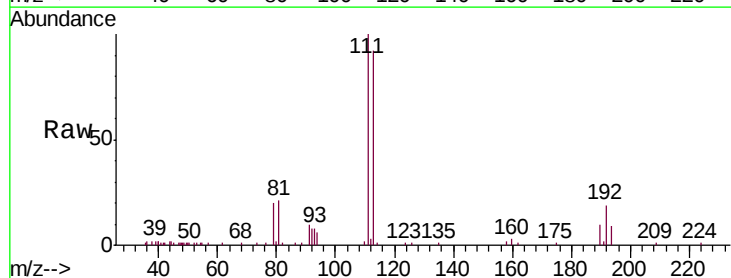
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-9

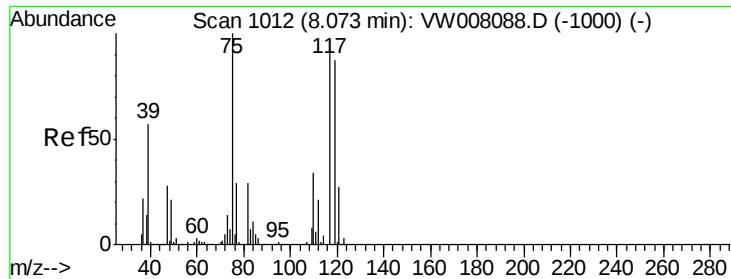
Tgt Ion:114 Resp: 49663
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 43.4
 88 15.2 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 57.793 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008293.D
 Acq: 15 Jan 2019 20:29

Tgt Ion:113 Resp: 16740
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.8 122.8
 192 17.8 12.8 19.2

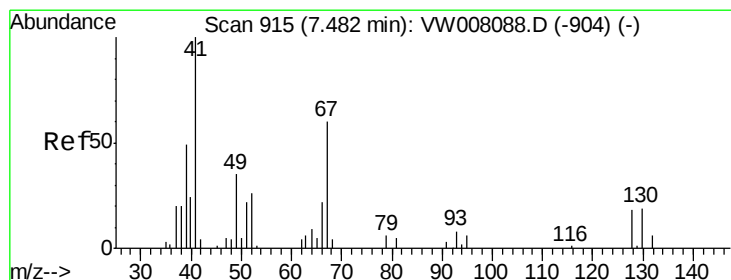
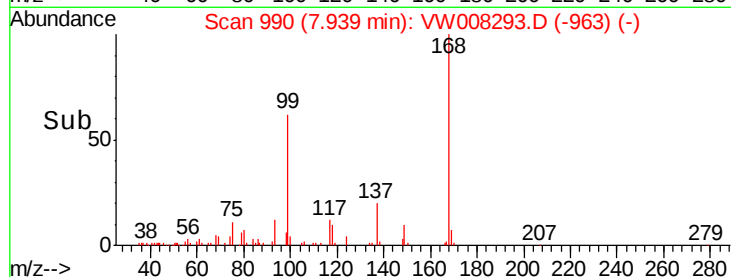
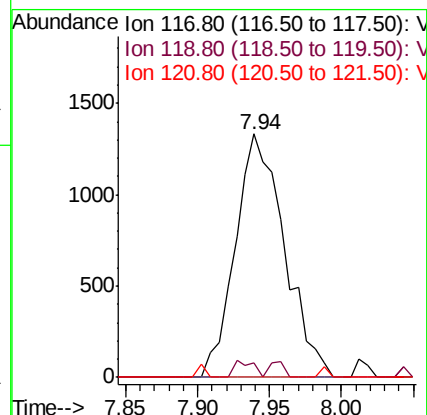
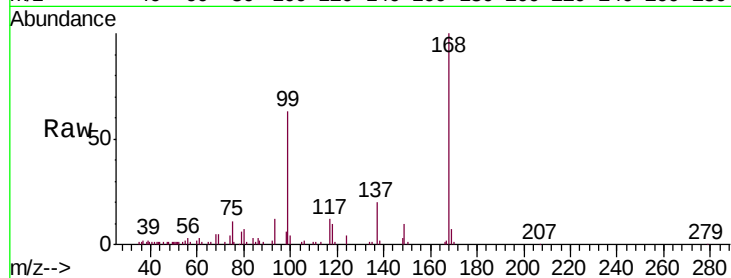




#38
Carbon Tetrachloride
Concen: 6.729 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

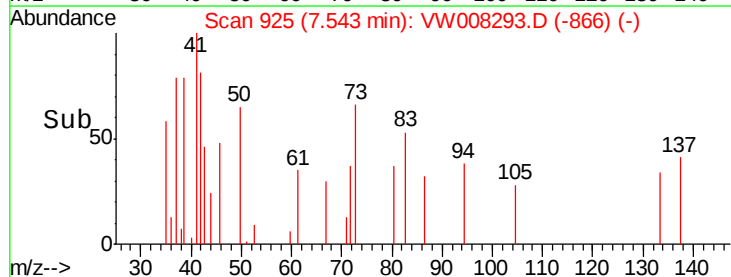
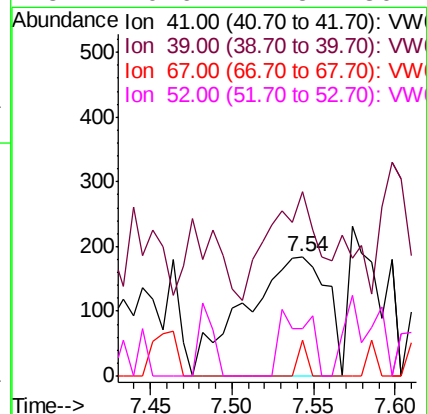
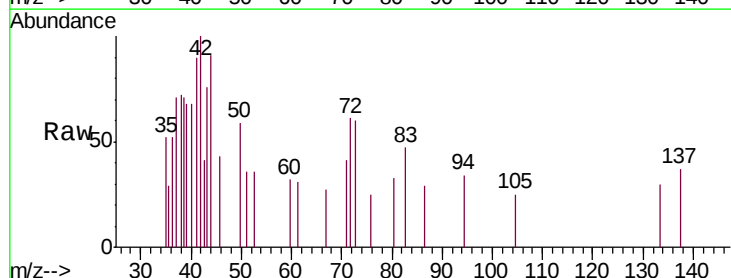
Instrument :
MSVOA_W
ClientSampleId :
TP-9

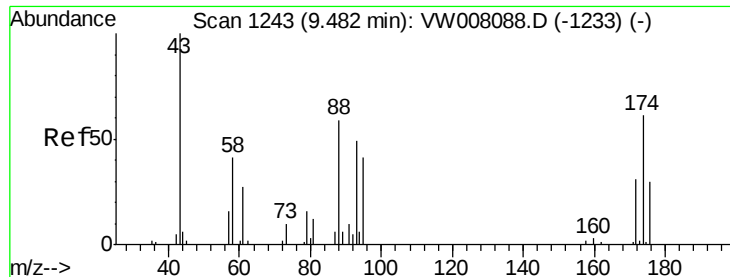
Tgt Ion: 117 Resp: 3151
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 4.928 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

Tgt Ion: 41 Resp: 638
Ion Ratio Lower Upper
41 100
39 53.9 47.9 71.9
67 3.1 56.3 84.5#
52 19.6 24.5 36.7#

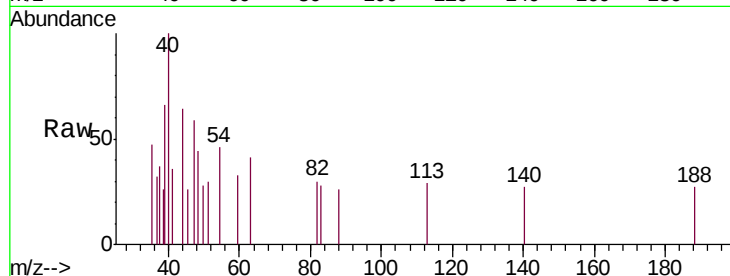




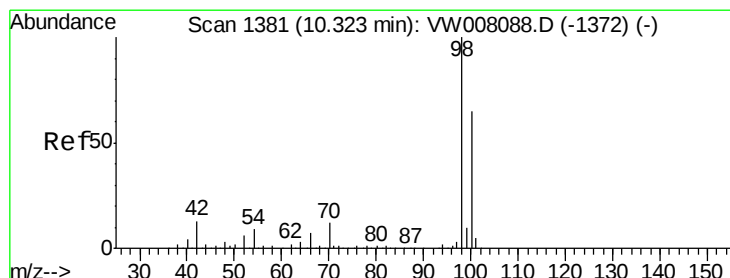
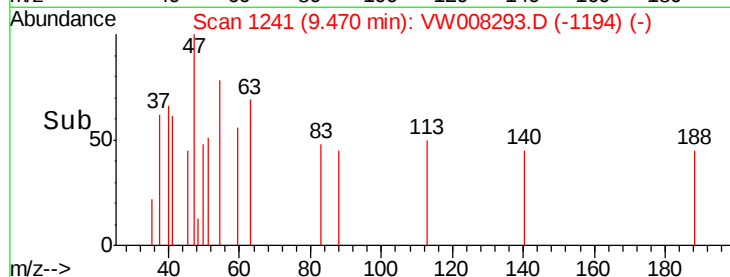
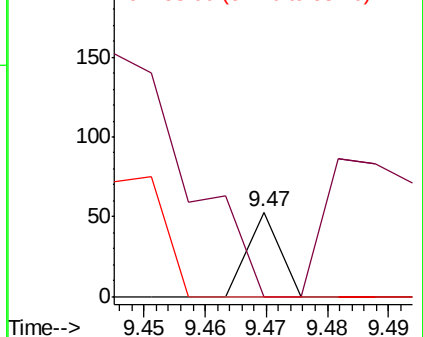
#49
1,4-Dioxane
Concen: 6.992 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

Instrument :
MSVOA_W
ClientSampled :
TP-9

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 61.7 92.5#

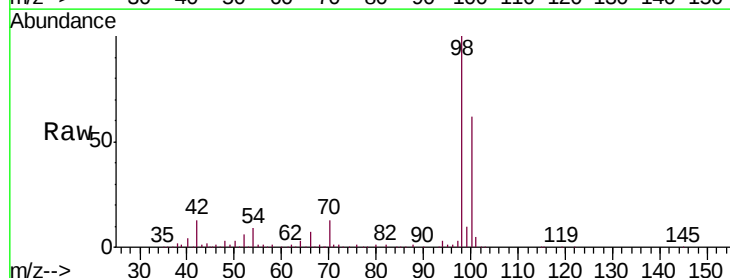


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

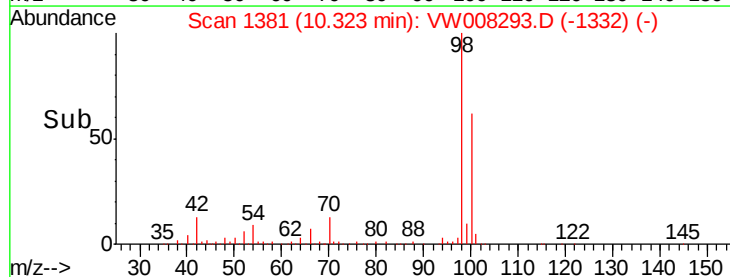
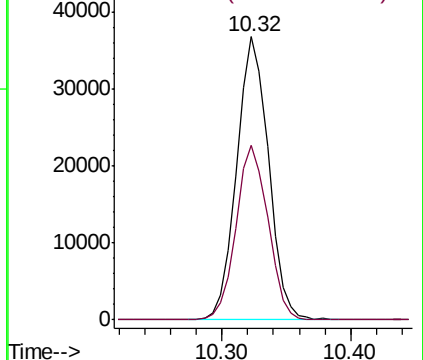


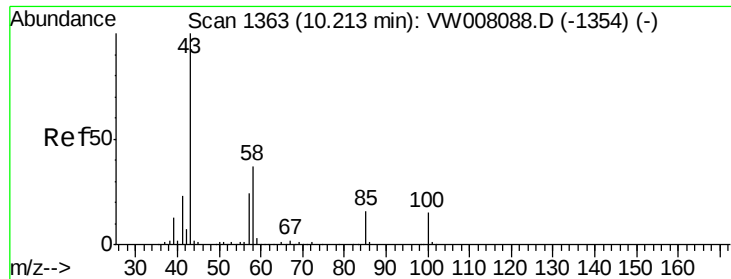
#50
Toluene-d8
Concen: 51.704 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008293.D
Acq: 15 Jan 2019 20:29

Tgt Ion: 98 Resp: 62846
Ion Ratio Lower Upper
98 100
100 61.9 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 3.221 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008293.D

Acq: 15 Jan 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

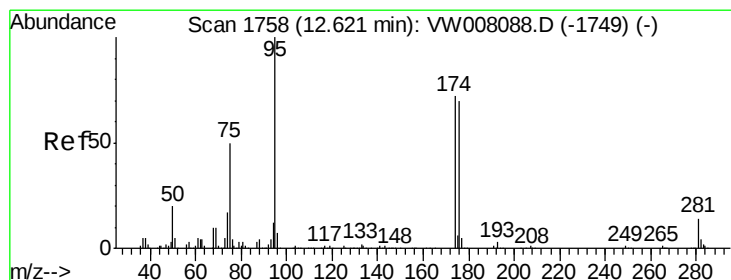
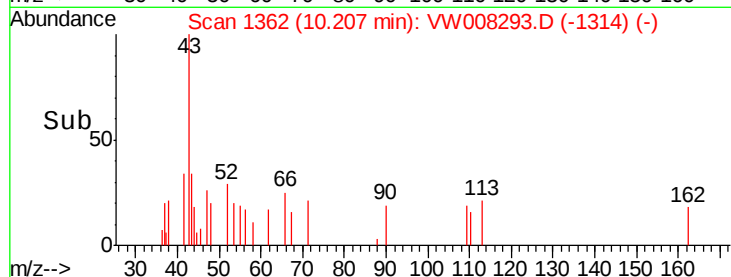
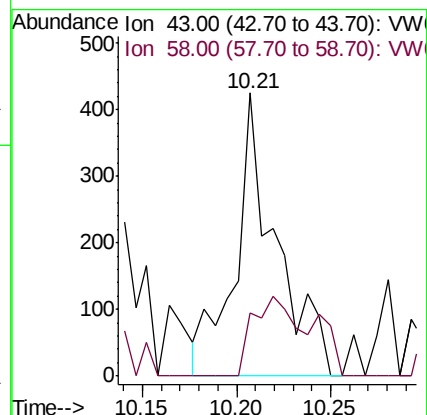
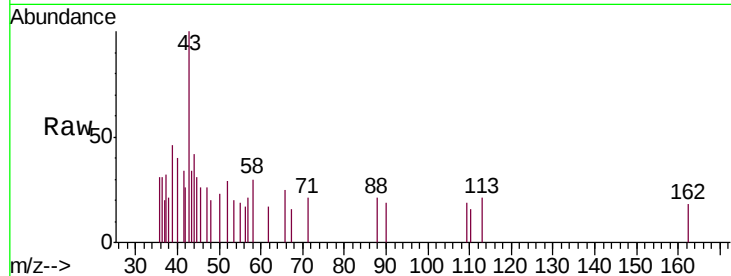
TP-9

Tgt Ion: 43 Resp: 639

Ion Ratio Lower Upper

43 100

58 40.2 30.6 46.0



#62

4-Bromofluorobenzene

Concen: 46.113 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008293.D

Acq: 15 Jan 2019 20:29

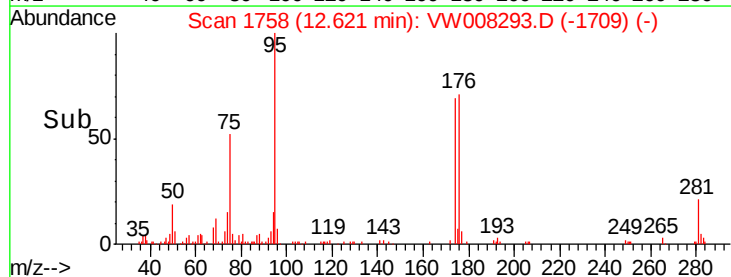
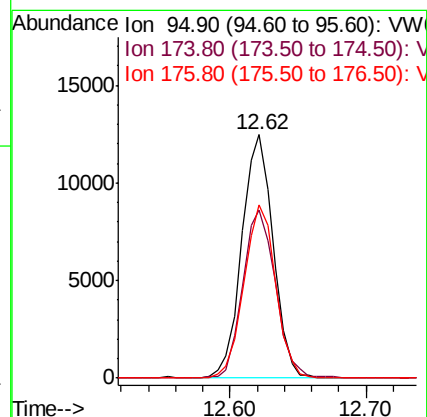
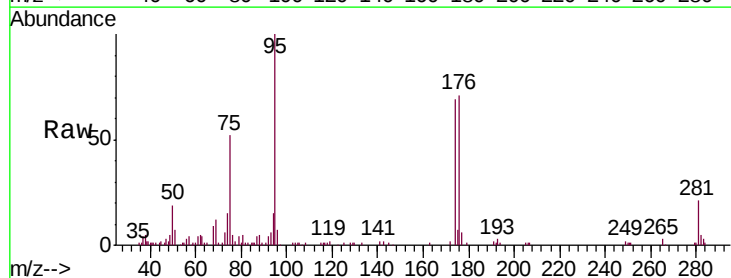
Tgt Ion: 95 Resp: 20094

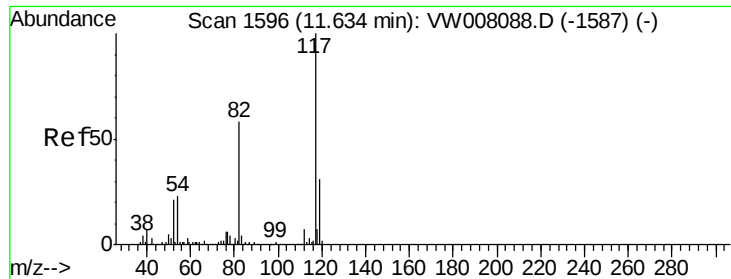
Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.0

176 71.8 0.0 140.2

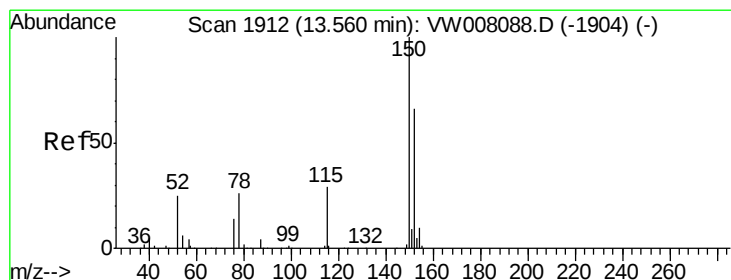
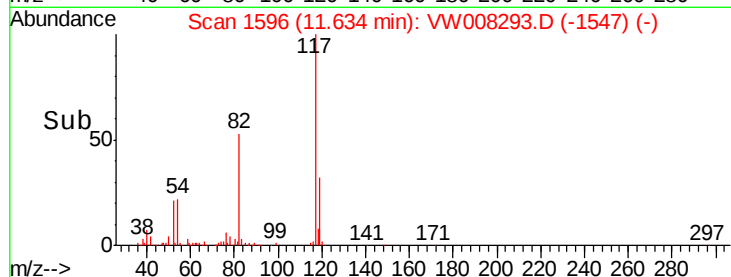
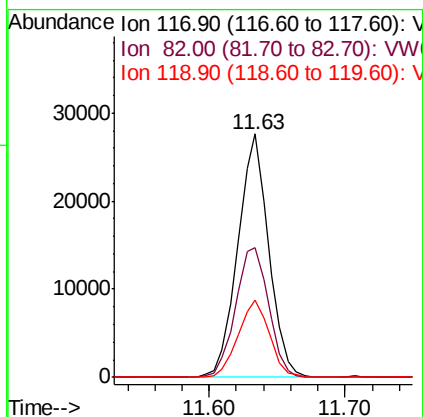
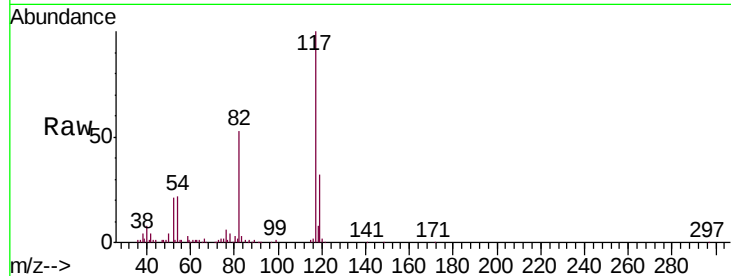




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW008293.D
 Acq: 15 Jan 2019 20:29

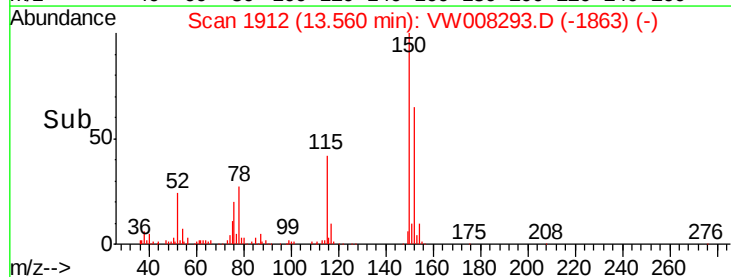
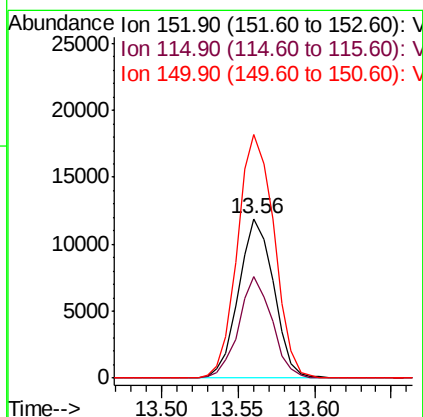
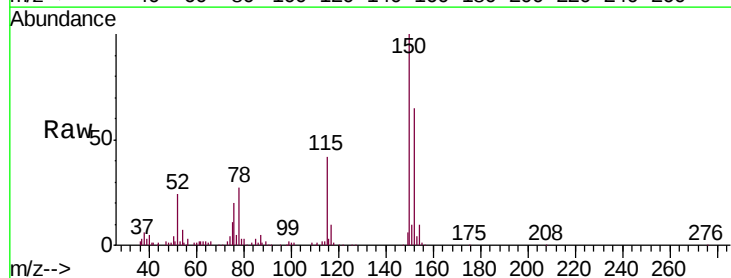
Instrument :
 MSVOA_W
 ClientSampled :
 TP-9

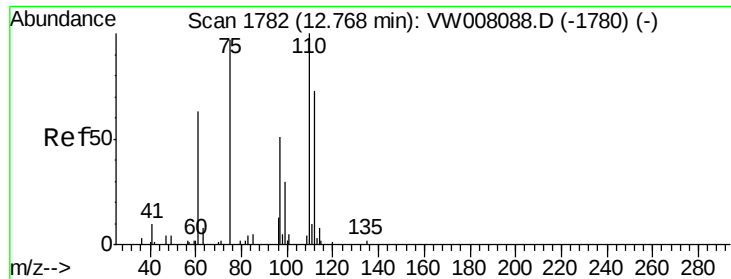
Tgt Ion:117 Resp: 43712
 Ion Ratio Lower Upper
 117 100
 82 53.4 46.4 69.6
 119 31.6 24.7 37.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW008293.D
 Acq: 15 Jan 2019 20:29

Tgt Ion:152 Resp: 18970
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.8 92.4
 150 159.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 59.468 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008293.D

Acq: 15 Jan 2019 20:29

Instrument :

MSVOA_W

ClientSampled :

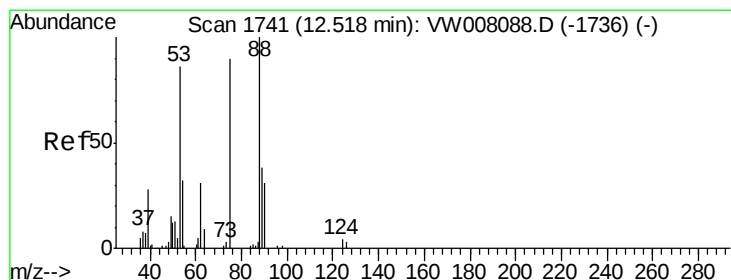
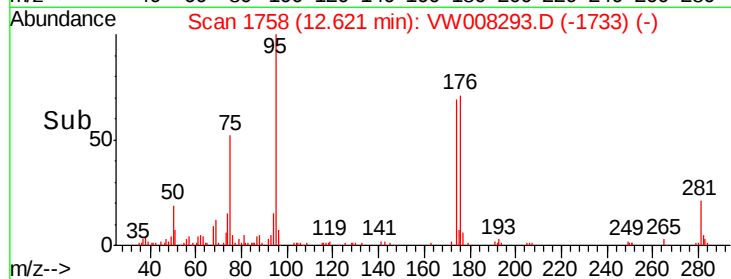
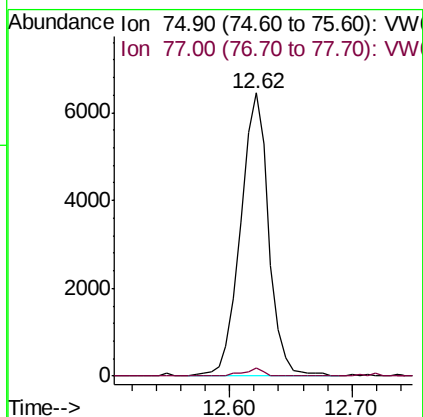
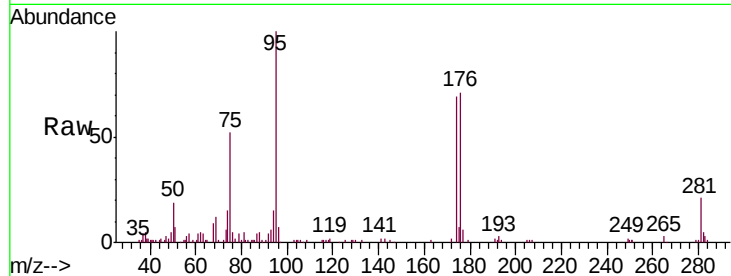
TP-9

Tgt Ion: 75 Resp: 10284

Ion Ratio Lower Upper

75 100

77 1.8 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008293.D

Acq: 15 Jan 2019 20:29

Tgt Ion: 75 Resp: 10284

Ion Ratio Lower Upper

75 100

53 0.8 78.8 118.2#

89 2.0 35.4 53.2#

