

Data File : VW013421.D
Acq On : 03 Oct 2019 15:19
Operator : SY/VA
Sample : K5127-02RE
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
40166

Quant Time: Oct 04 08:26:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	354788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204232	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143688	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	7.88	113	145973	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
50) Toluene-d8	10.32	98	610588	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	198045	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

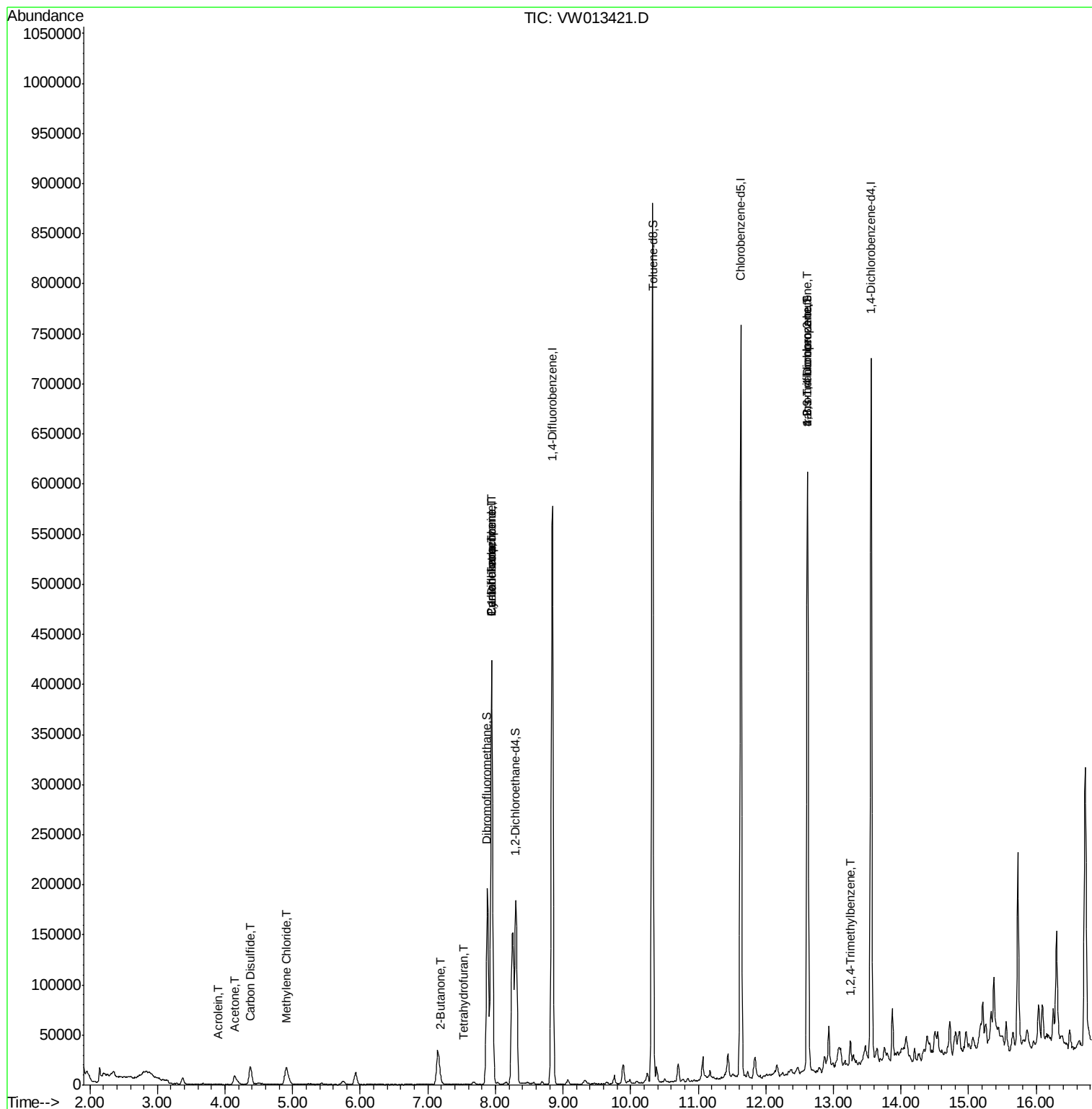
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	221	Below Cal	#	73
13) Acrolein	3.90	56	691	13.048	ug/l	99
16) Acetone	4.14	43	18327	22.570	ug/l	100
17) Carbon Disulfide	4.37	76	42677	4.684	ug/l	99
20) Methylene Chloride	4.91	84	13518	2.279	ug/l	92
25) 2-Butanone	7.19	43	5828	5.609	ug/l	93
26) 2,2-Dichloropropane	7.15	77	2832	Below Cal	#	52
29) Tetrahydrofuran	7.54	42	25	9.733	ug/l	# 34
31) Cyclohexane	7.95	56	6211	1.025	ug/l	# 1
36) 1,1-Dichloropropene	7.95	75	22978	4.732	ug/l	# 50
38) Carbon Tetrachloride	7.95	117	30947	7.358	ug/l	# 17
49) 1,4-Dioxane	9.68	88	26	Below Cal	#	8
76) 1,2,3-Trichloropropane	12.62	75	92172	50.779	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	92172	103.111	ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.25	105	15732	1.275	ug/l	97

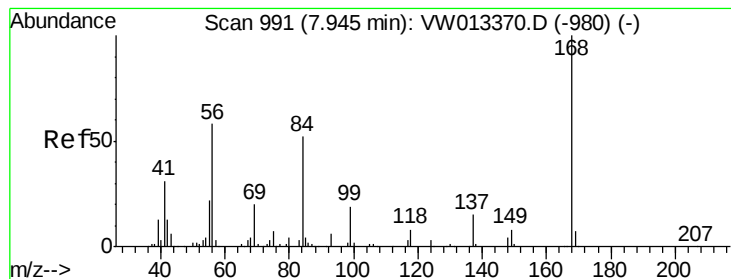
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampled :

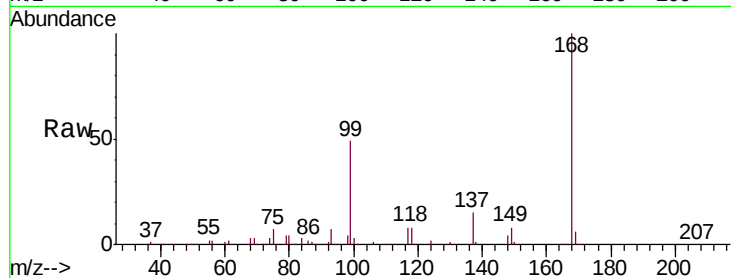
40166

Tgt Ion: 168 Resp: 354788

Ion Ratio Lower Upper

168 100

99 49.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

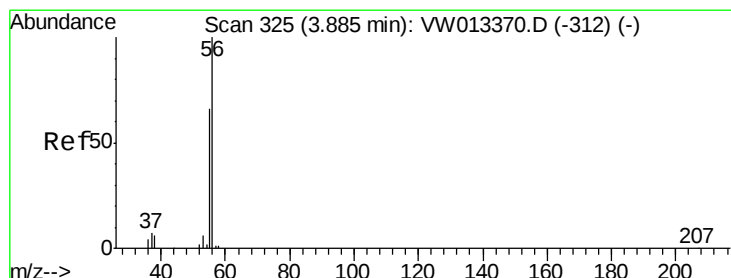
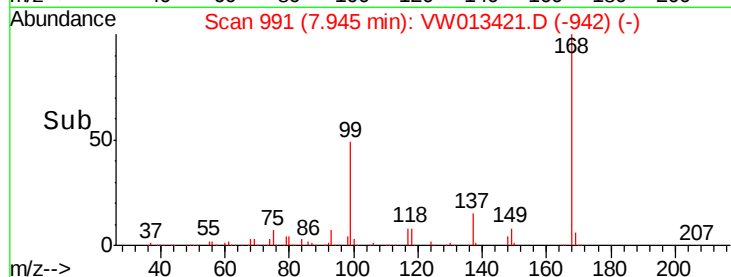
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 13.048 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.02 min

Lab File: VW013421.D

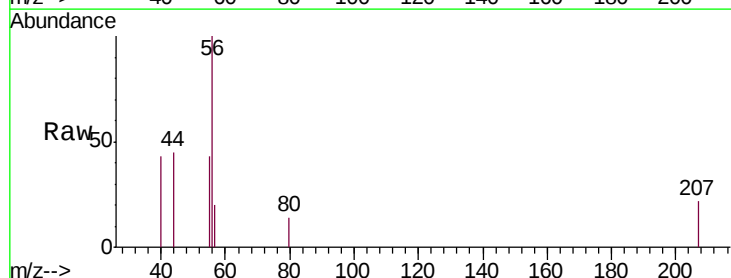
Acq: 03 Oct 2019 15:19

Tgt Ion: 56 Resp: 691

Ion Ratio Lower Upper

56 100

55 70.2 55.4 83.0



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

500

400

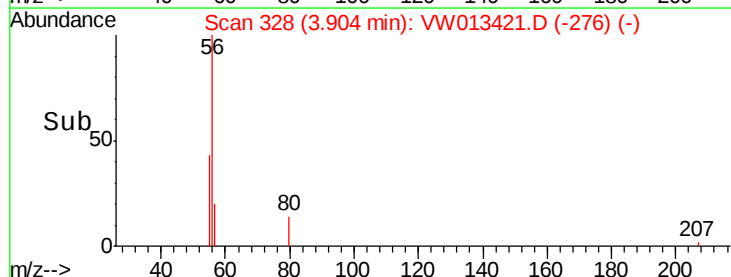
300

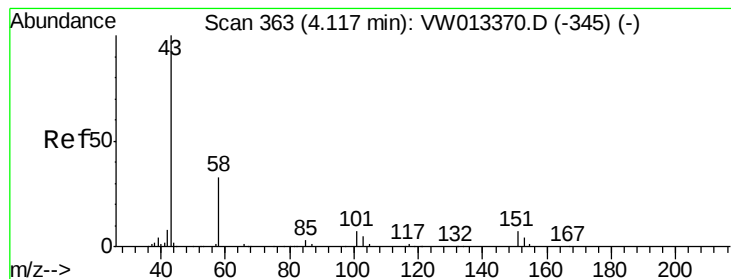
200

100

0

Time--> 3.85 3.90 3.95





#16

Acetone

Concen: 22.570 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

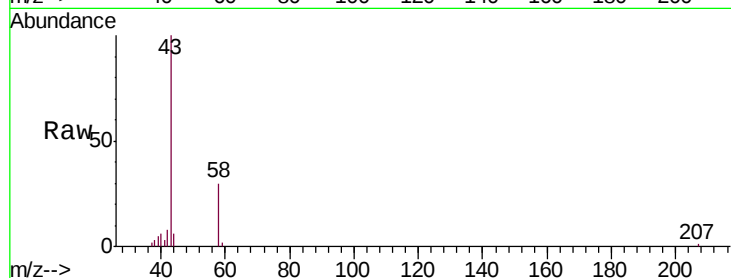
40166

Tgt Ion: 43 Resp: 18327

Ion Ratio Lower Upper

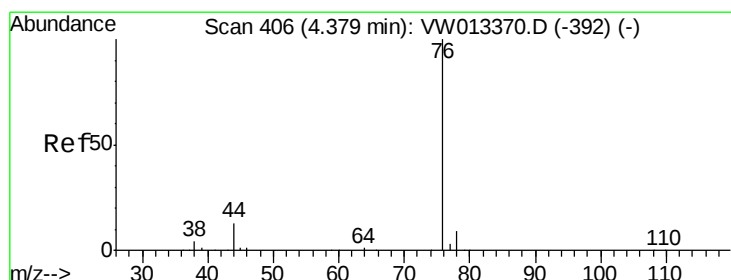
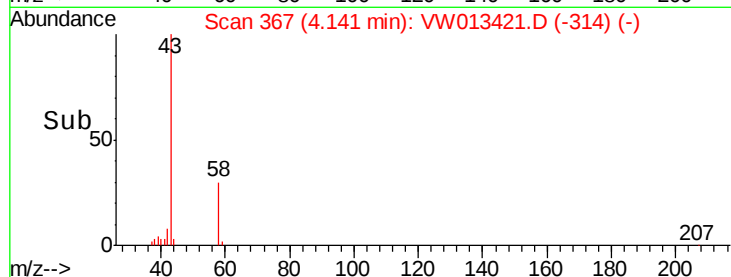
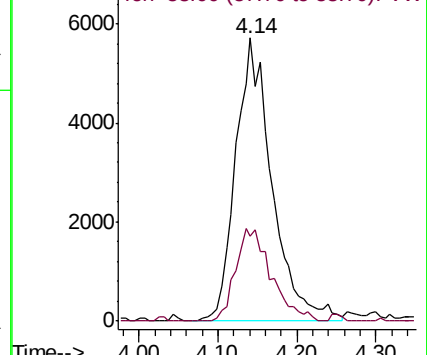
43 100

58 30.2 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 4.684 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW013421.D

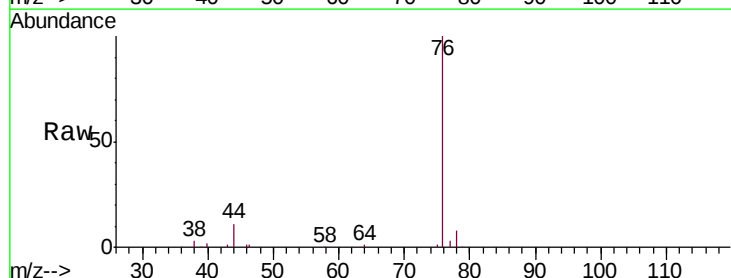
Acq: 03 Oct 2019 15:19

Tgt Ion: 76 Resp: 42677

Ion Ratio Lower Upper

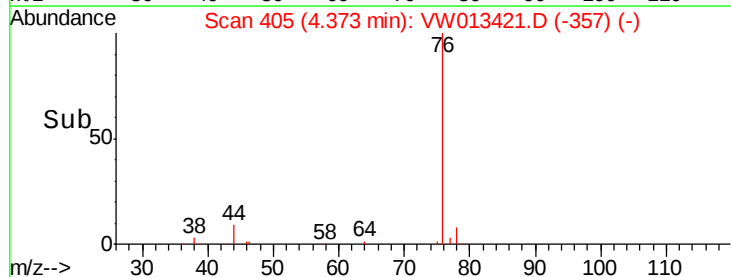
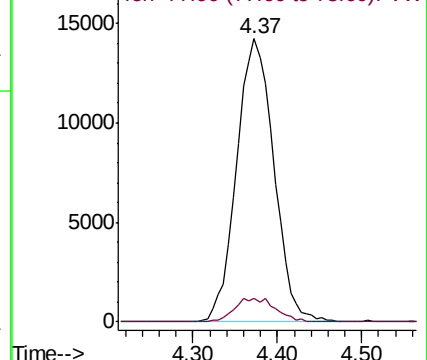
76 100

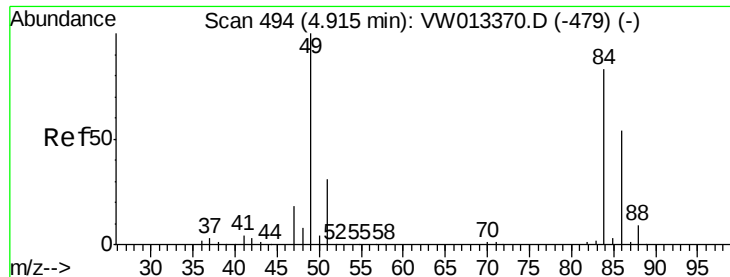
78 8.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

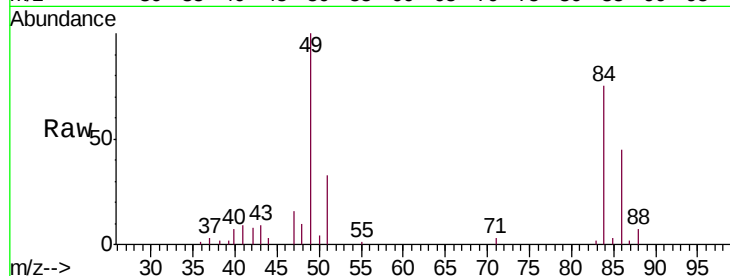




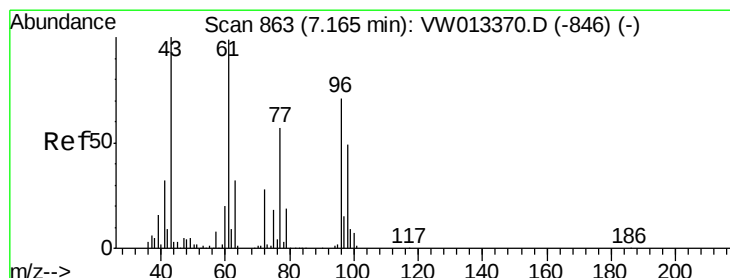
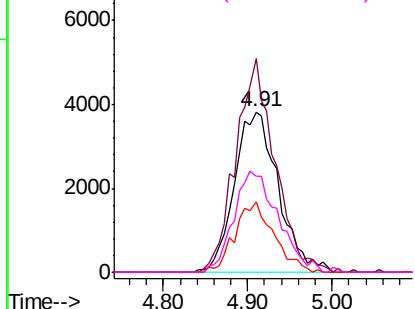
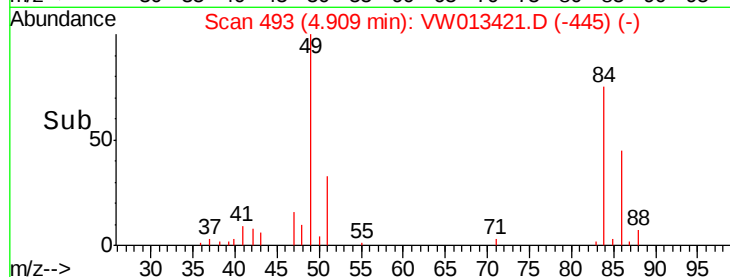
#20
Methylene Chloride
Concen: 2.279 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013421.D
Acq: 03 Oct 2019 15:19

Instrument :
MSVOA_W
ClientSampleId :
40166

Tgt Ion:	84	Resp:	13518
Ion	Ratio	Lower	Upper
84	100		
49	133.3	97.6	146.4
51	43.7	30.2	45.2
86	59.9	50.6	76.0

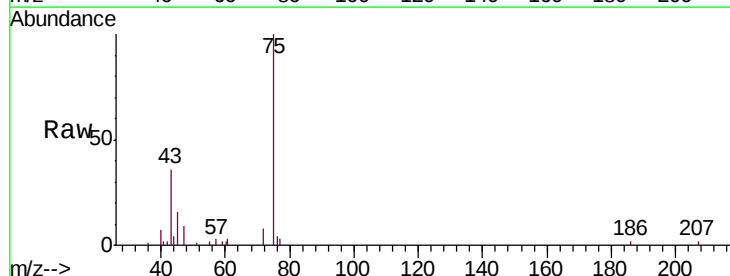


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

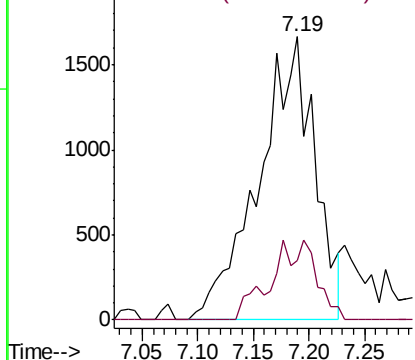
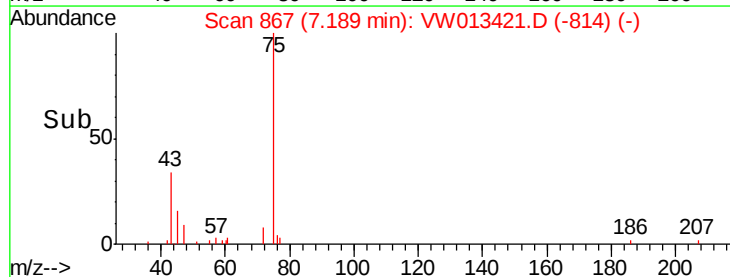


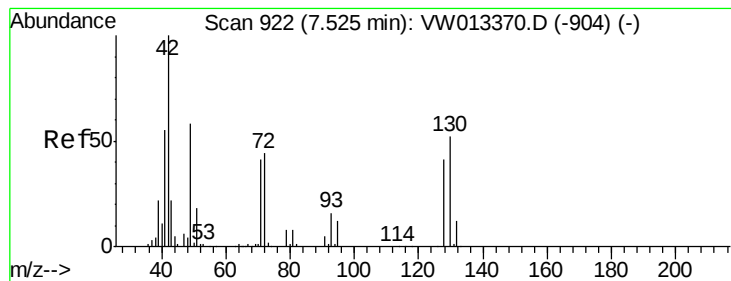
#25
2-Butanone
Concen: 5.609 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW013421.D
Acq: 03 Oct 2019 15:19

Tgt Ion:	43	Resp:	5828
Ion	Ratio	Lower	Upper
43	100		
72	21.0	19.4	29.0



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





#29

Tetrahydrofuran

Concen: 9.733 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

40166

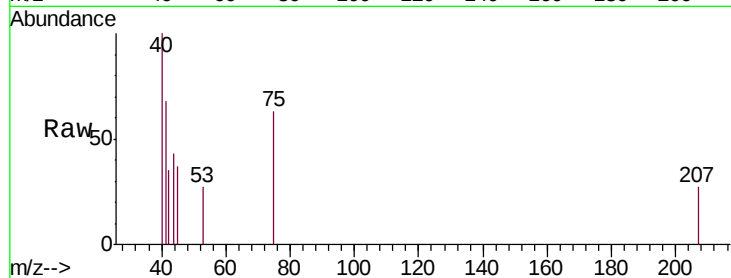
Tgt Ion: 42 Resp: 25

Ion Ratio Lower Upper

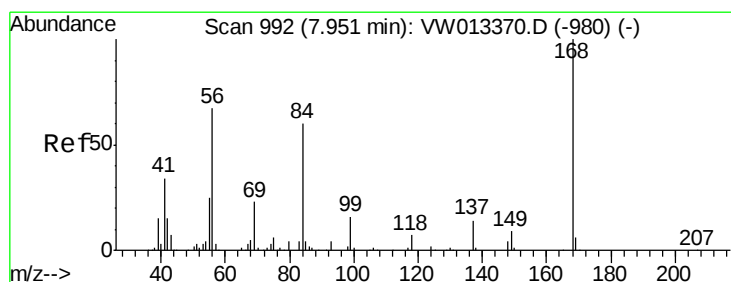
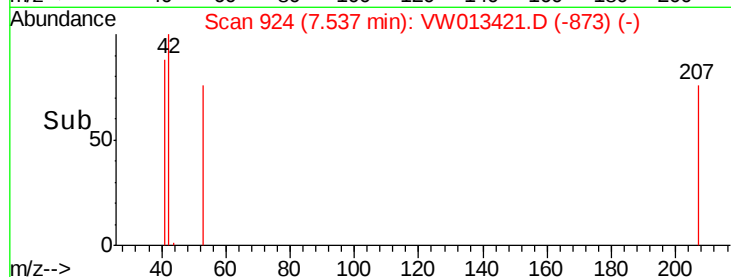
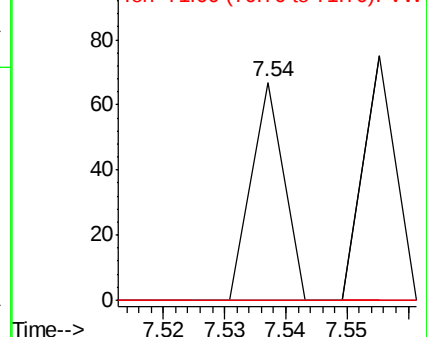
42 100

72 0.0 33.9 50.9#

71 0.0 31.9 47.9#



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: 1.025 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

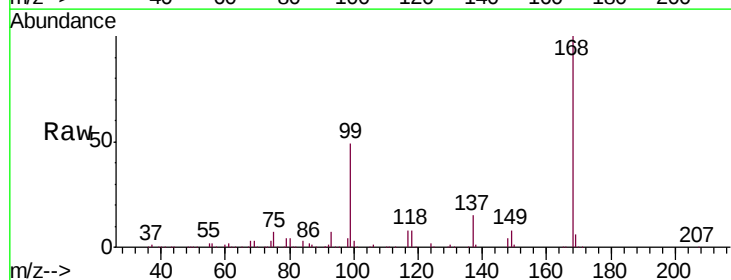
Tgt Ion: 56 Resp: 6211

Ion Ratio Lower Upper

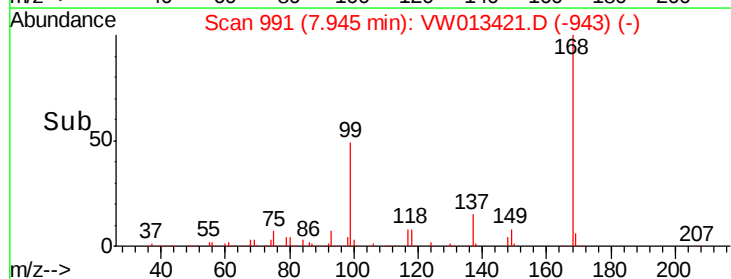
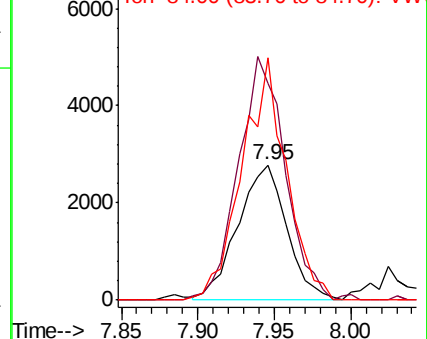
56 100

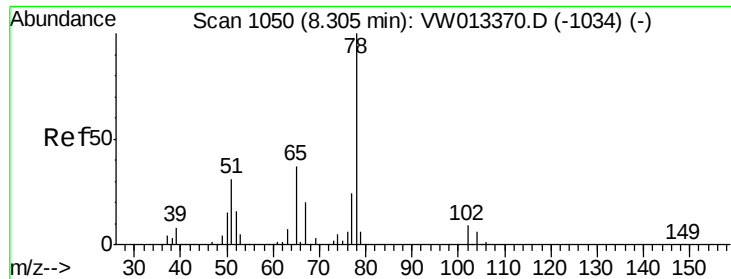
69 157.2 27.2 40.8#

84 179.6 70.8 106.2#



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: 54.240 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

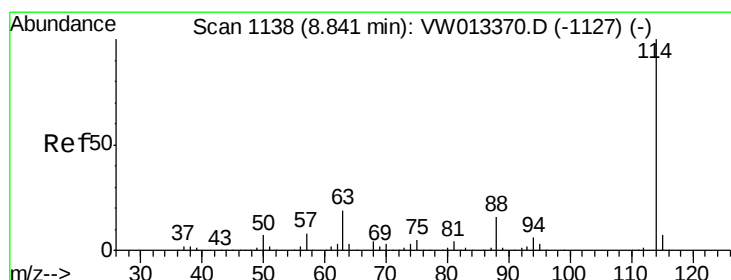
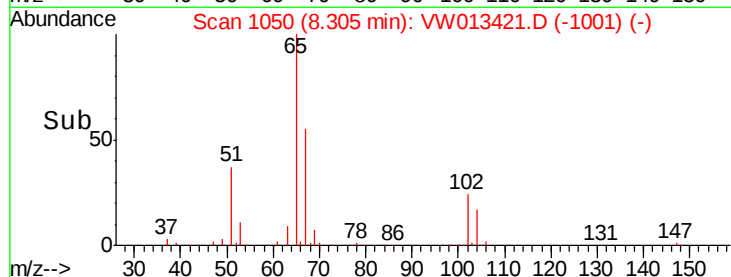
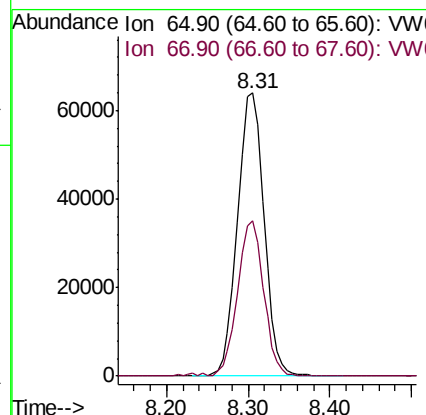
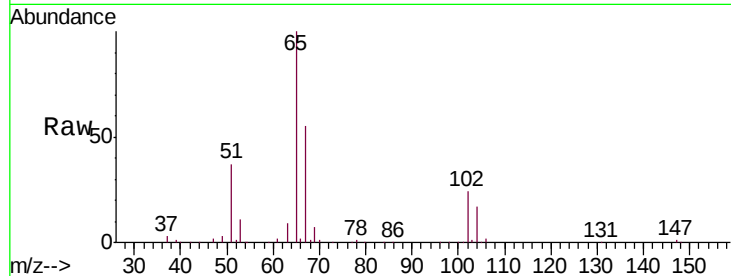
40166

Tgt Ion: 65 Resp: 143688

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

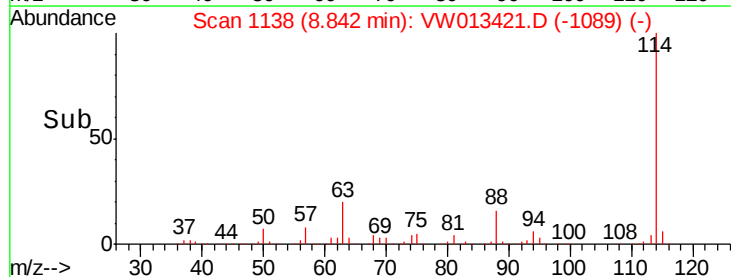
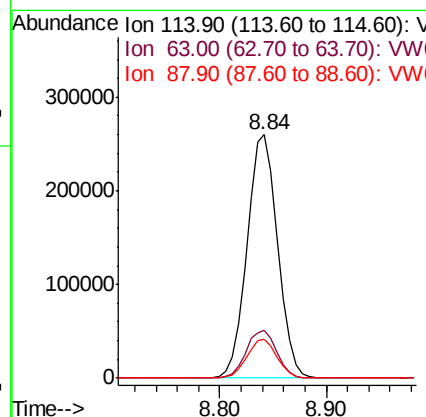
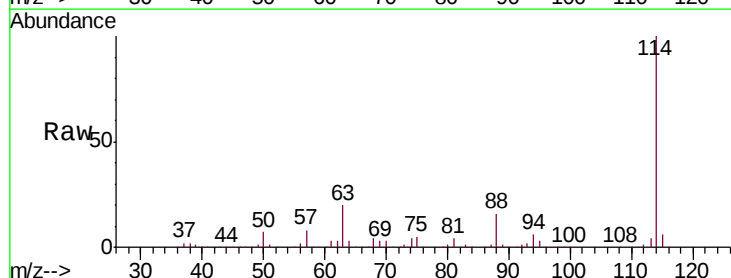
Tgt Ion: 114 Resp: 522756

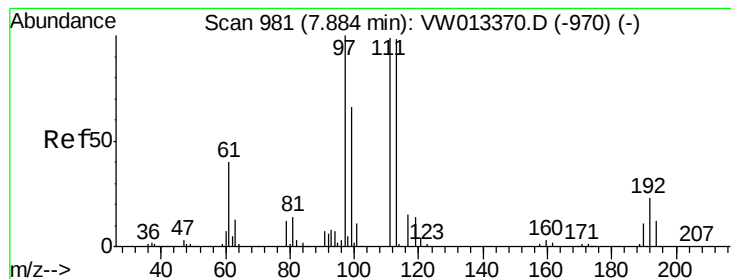
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.216 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampled :

40166

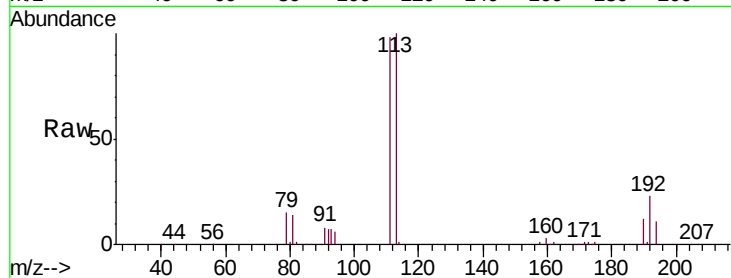
Tgt Ion:113 Resp: 145973

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

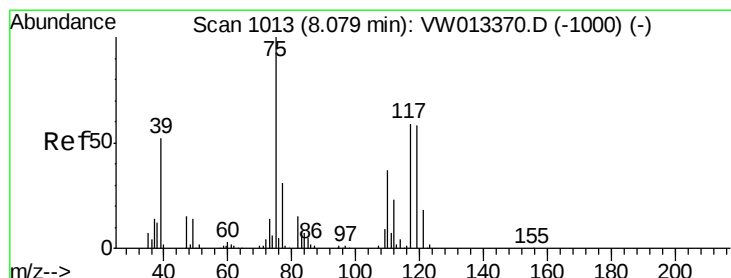
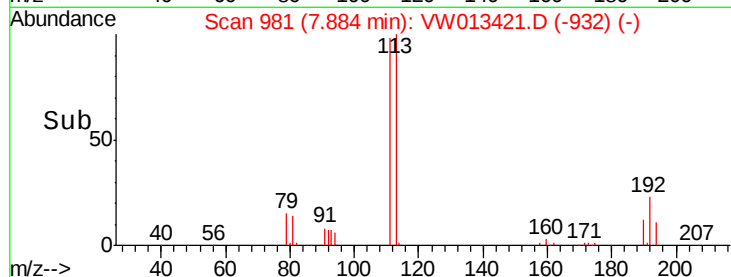
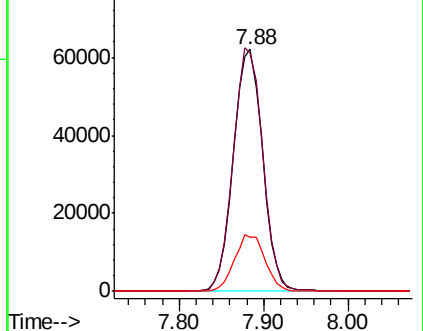
192 24.2 19.1 28.7



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: 4.732 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

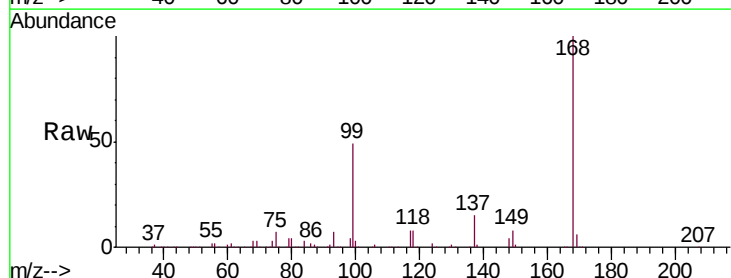
Tgt Ion: 75 Resp: 22978

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.3#

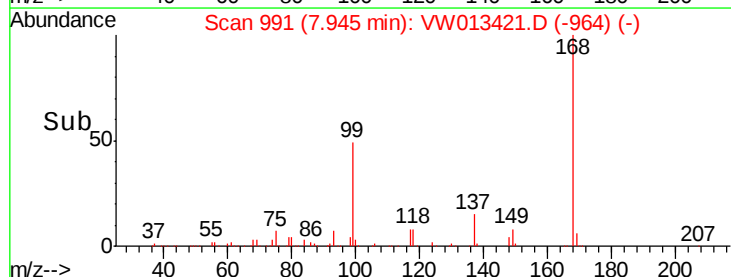
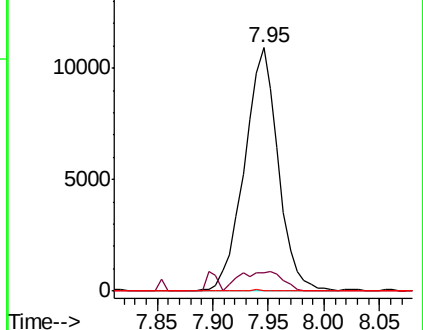
77 0.1 25.8 38.6#

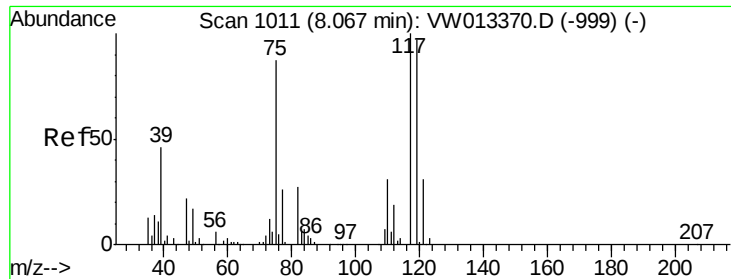


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.358 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

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ClientSampled :

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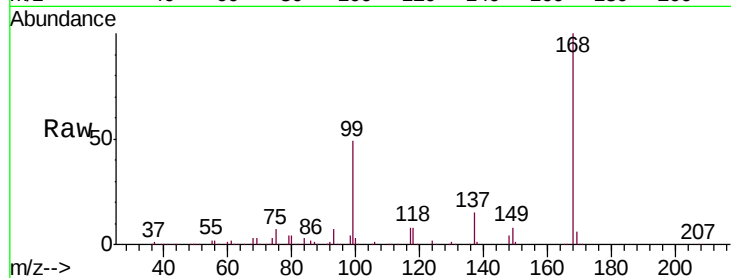
Tgt Ion: 117 Resp: 30947

Ion Ratio Lower Upper

117 100

119 4.7 73.5 110.3#

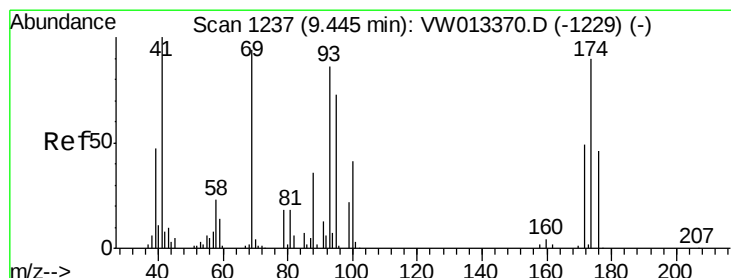
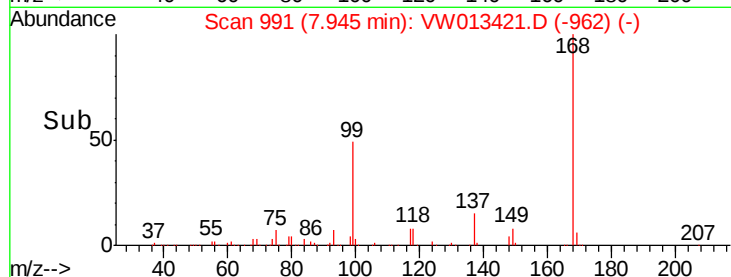
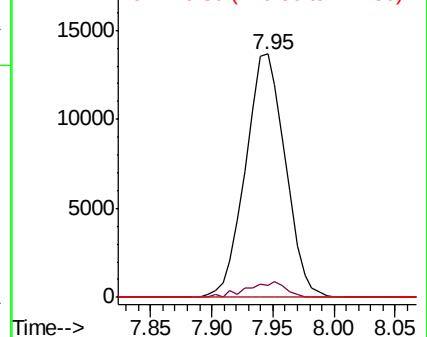
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.68 min Scan# 1276

Delta R.T. 0.24 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

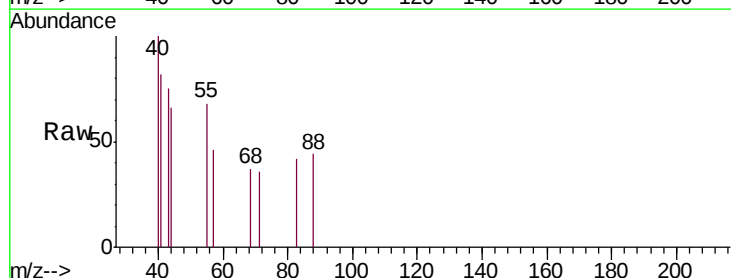
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 257.7 0.0 0.0#

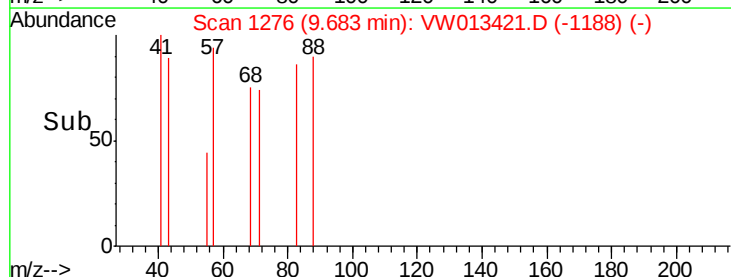
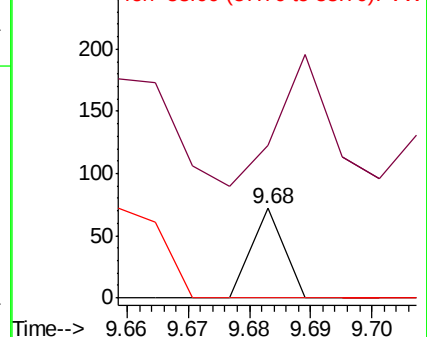
58 0.0 65.4 98.0#

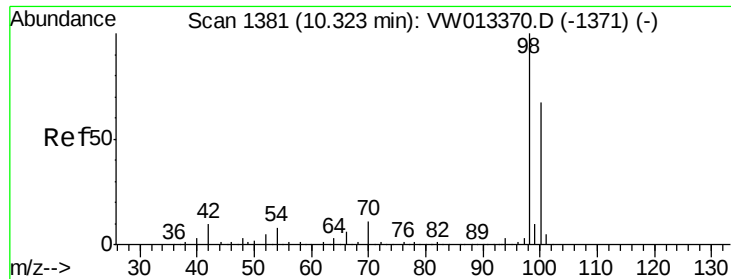


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 53.640 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

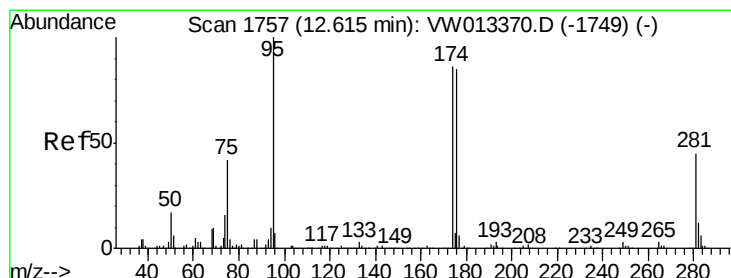
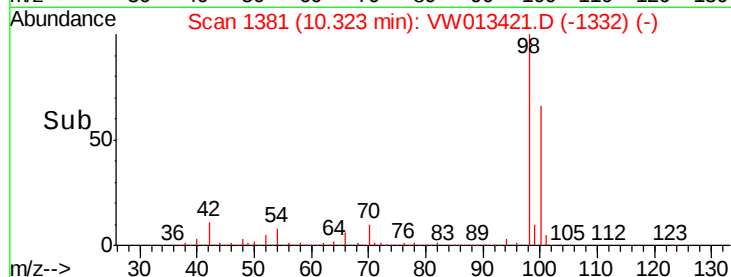
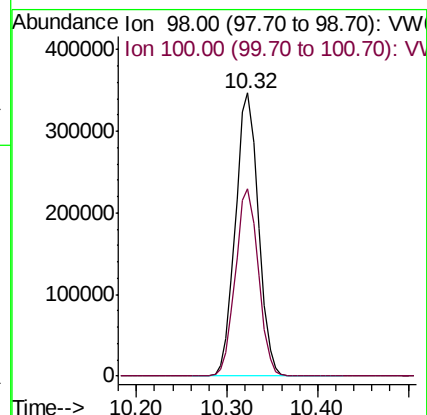
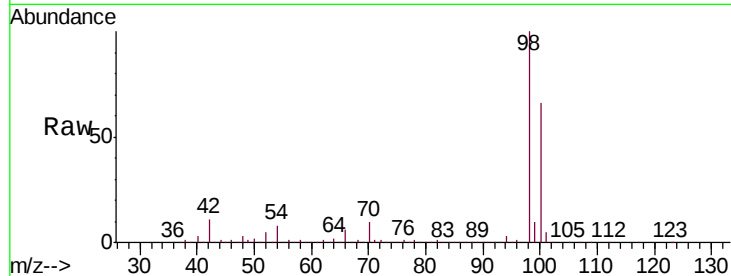
40166

Tgt Ion: 98 Resp: 610588

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 52.100 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

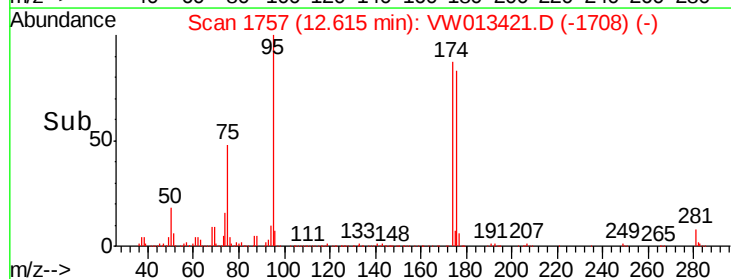
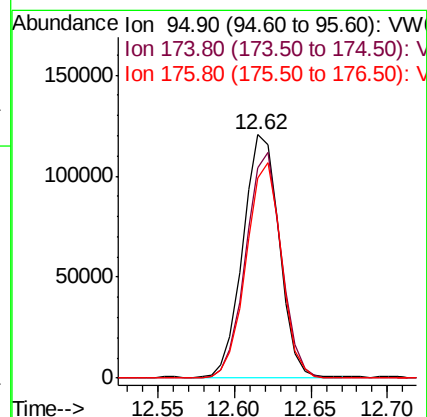
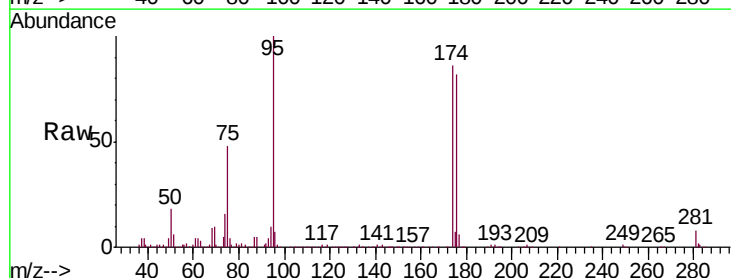
Tgt Ion: 95 Resp: 198045

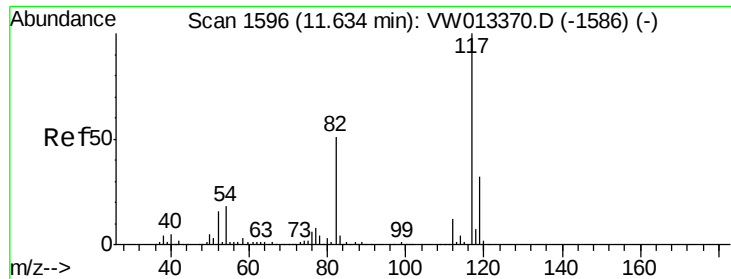
Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.4

176 86.5 0.0 172.2

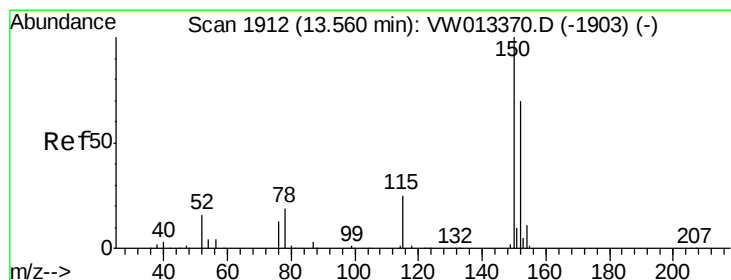
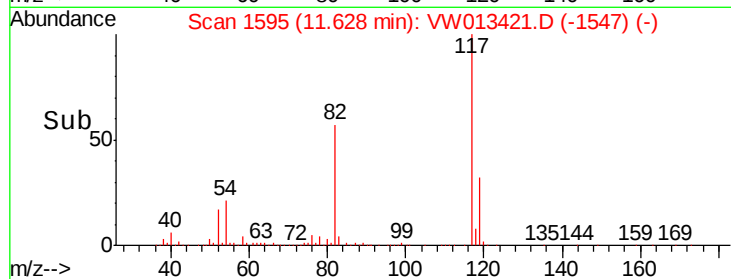
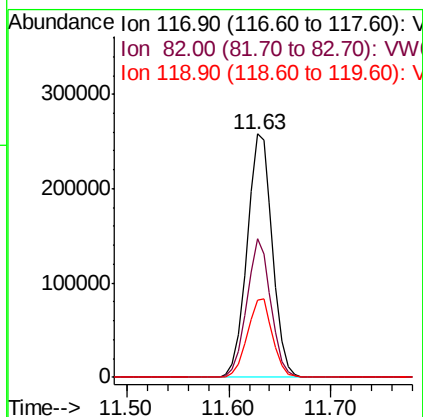
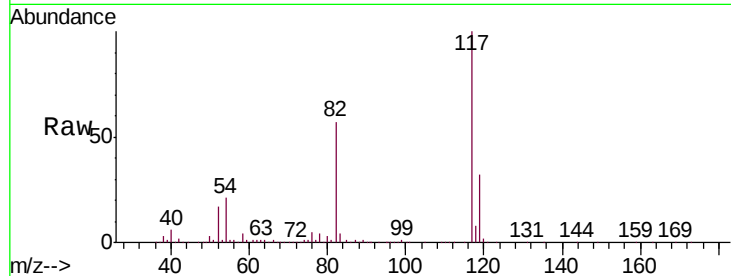




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 15:19

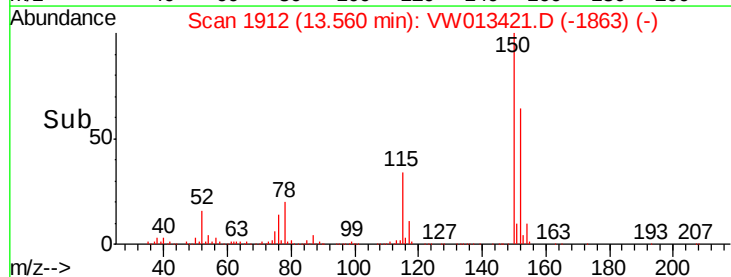
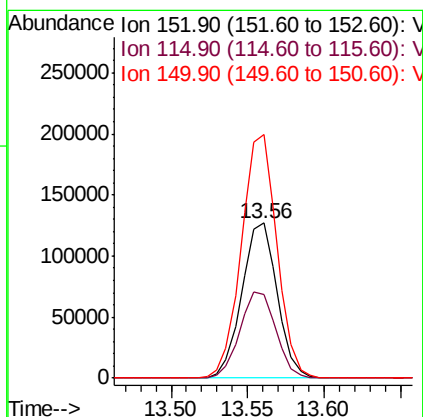
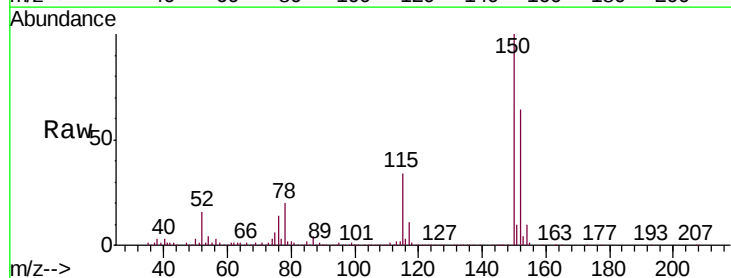
Instrument :
 MSVOA_W
 ClientSampleId :
 40166

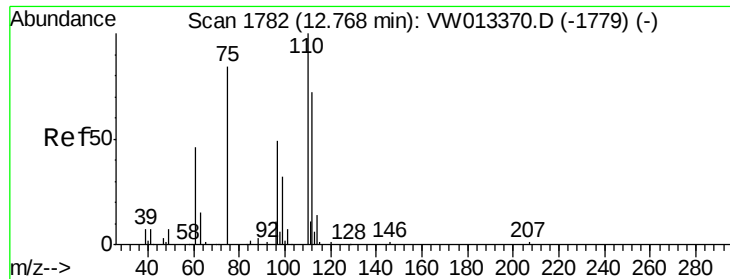
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	31.9	26.2	39.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.3	81.9
150	157.1	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 50.779 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

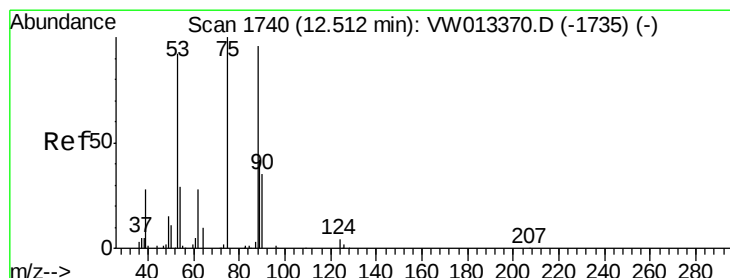
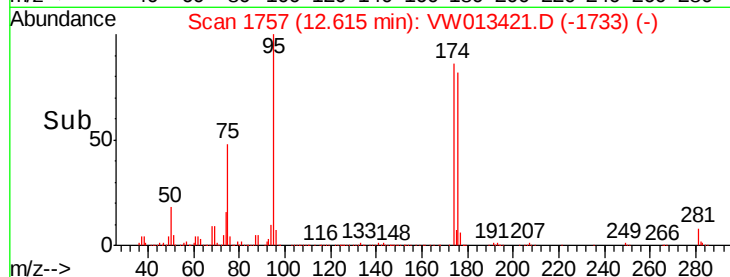
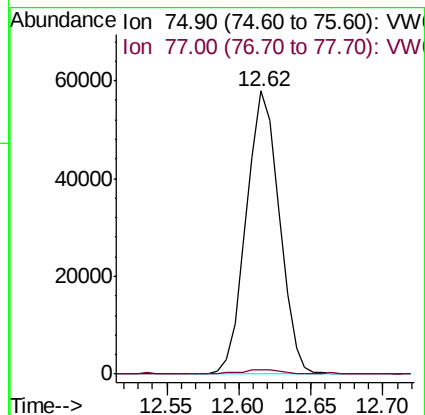
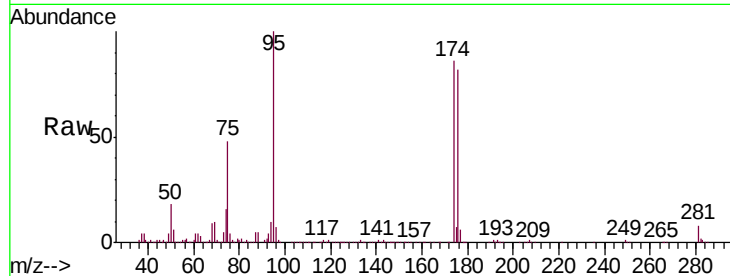
40166

Tgt Ion: 75 Resp: 92172

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.111 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013421.D

Acq: 03 Oct 2019 15:19

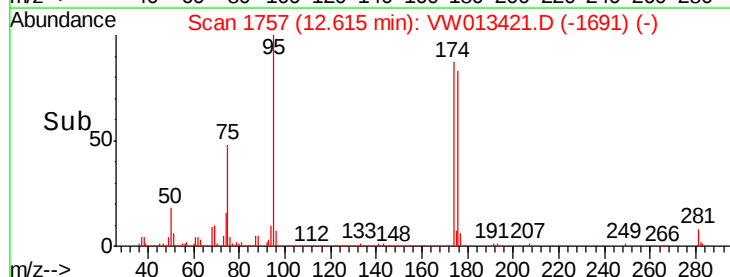
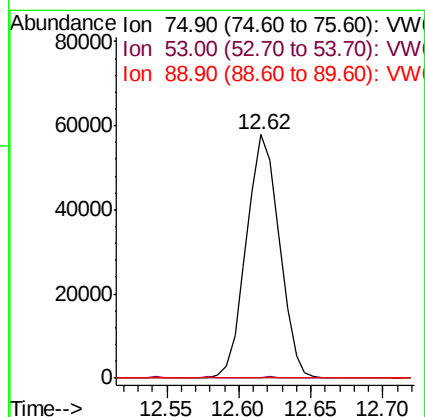
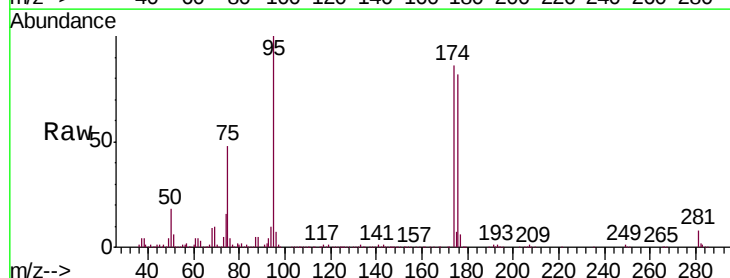
Tgt Ion: 75 Resp: 92172

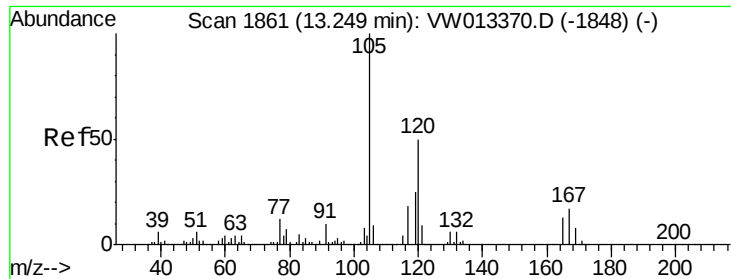
Ion Ratio Lower Upper

75 100

53 0.2 76.6 114.8#

89 0.0 33.5 50.3#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.275 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 40166

Tgt Ion:105 Resp: 15732
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.4 70.3

