

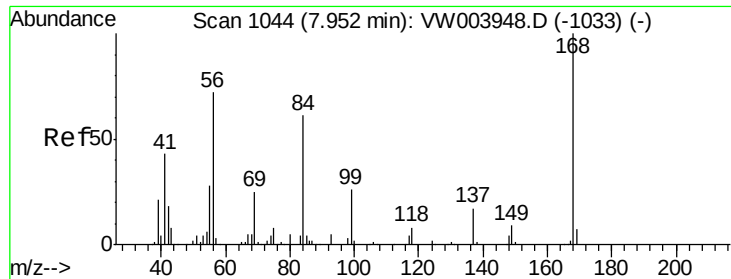
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004315.D
 Acq On : 29 Jul 2018 15:39
 Operator : SY/AP
 Sample : VW0730SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:32:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	259314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	430245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	196463	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	155210	59.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.68%	
35) Dibromofluoromethane	7.88	113	139664	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
50) Toluene-d8	10.33	98	533951	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.62	95	183681	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	345	3.149	ug/l	97
3) Chloromethane	2.22	50	232	Below Cal	#	44
4) Vinyl Chloride	2.36	62	212	Below Cal	#	42
5) Bromomethane	2.78	94	353	Below Cal		96
6) Chloroethane	2.92	64	191	Below Cal	#	1
7) Trichlorofluoromethane	3.25	101	80	Below Cal	#	1
8) Diethyl Ether	3.67	74	71	Below Cal	#	1
9) 1,1,2-Trichlorotrifluoroet	4.06	101	419	Below Cal	#	59
11) Tert butyl alcohol	5.18	59	489	Below Cal	#	72
13) Acrolein	3.89	56	130	2.472	ug/l	100
14) Allyl chloride	4.68	41	236	1.565	ug/l #	62
15) Acrylonitrile	5.38	53	536	4.071	ug/l #	85
16) Acetone	4.12	43	9846	27.480	ug/l	95
18) Methyl Acetate	4.67	43	656	1.311	ug/l #	54
20) Methylene Chloride	4.90	84	1303	Below Cal	#	84
21) trans-1,2-Dichloroethene	5.42	96	333	Below Cal	#	70
24) 1,1-Dichloroethane	6.23	63	311	Below Cal	#	83
29) Tetrahydrofuran	7.54	42	1144	4.917	ug/l	95
31) Cyclohexane	7.95	56	5840	1.308	ug/l #	1
38) Carbon Tetrachloride	7.95	117	24851	5.847	ug/l #	15
41) Methacrylonitrile	7.54	41	834	2.788	ug/l #	45
74) N-amyl acetate	12.28	43	489	2.018	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	93037	51.888	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93037	120.738	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

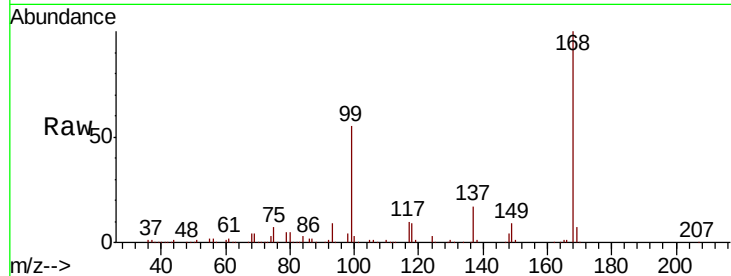
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 259314

Ion Ratio Lower Upper

168 100

99 54.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

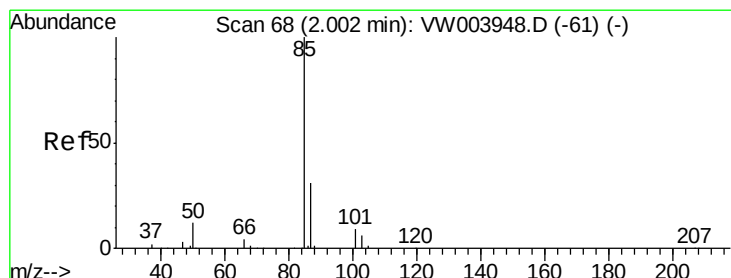
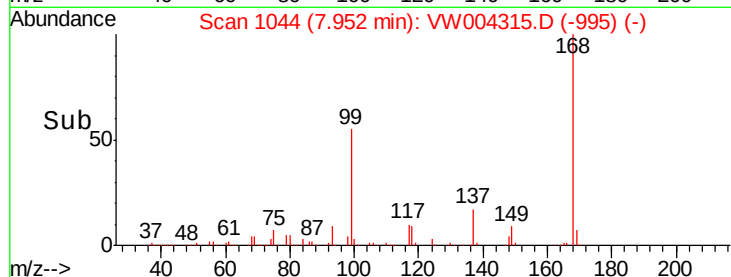
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.149 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004315.D

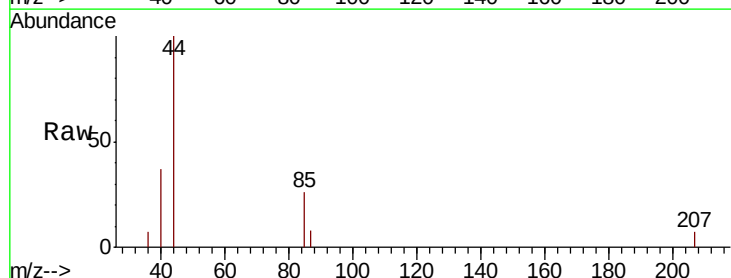
Acq: 29 Jul 2018 15:39

Tgt Ion: 85 Resp: 345

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

250

200

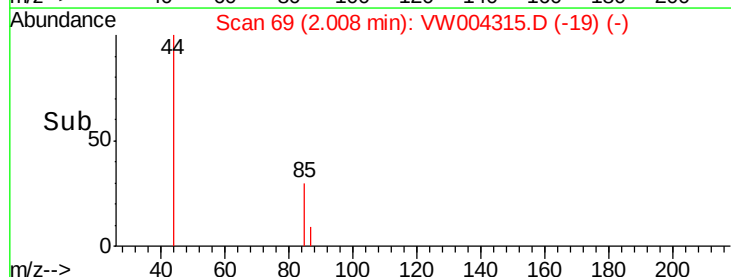
150

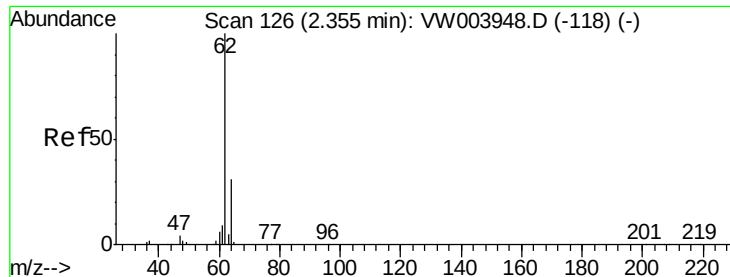
100

50

0

Time--> 1.96 1.98 2.00 2.02 2.04





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

Instrument :

MSVOA_W

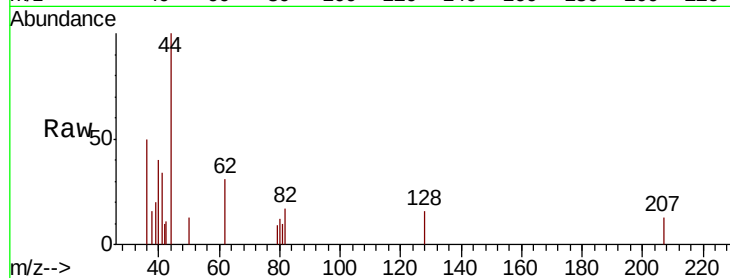
ClientSampled :

Tot Ion: 62 Resp: 212

Ion Ratio Lower Upper

62 100

64 0.0 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

200

150

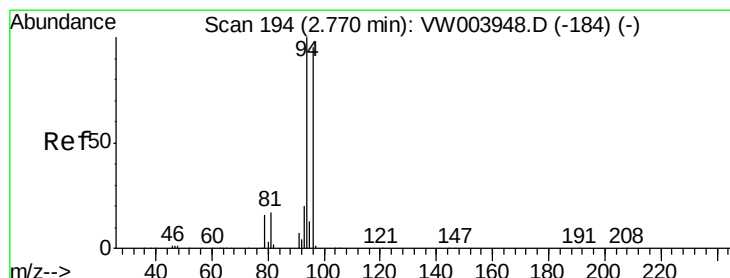
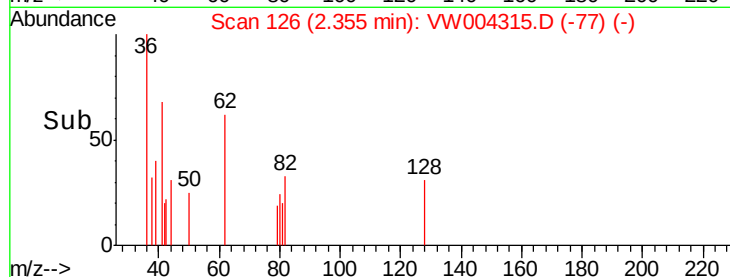
100

50

0

2.32 2.34 2.36 2.38

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004315.D

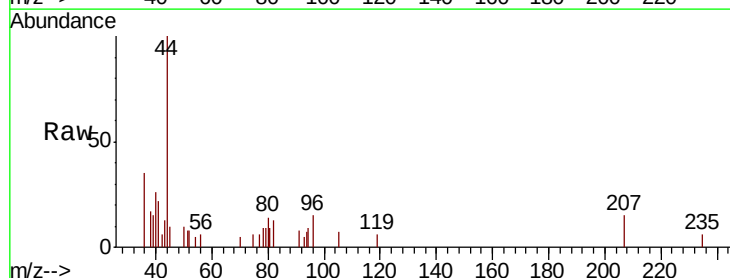
Acq: 29 Jul 2018 15:39

Tgt Ion: 94 Resp: 353

Ion Ratio Lower Upper

94 100

96 95.6 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

200

150

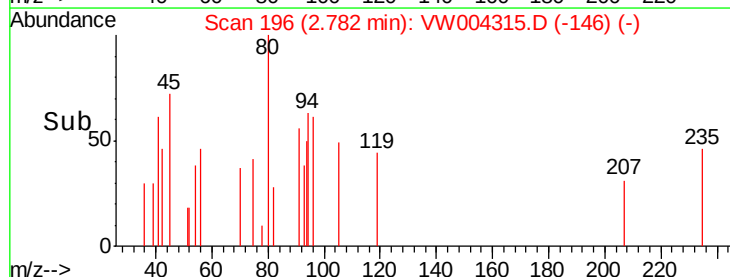
100

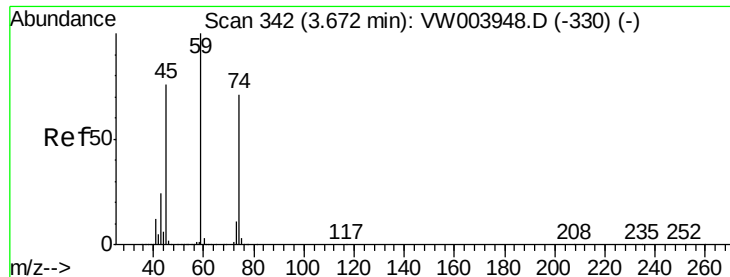
50

0

2.75 2.80

Time-->





#8

Diethyl Ether

Concen: Below Cal

RT: 3.67 min Scan# 342

Delta R.T. 0.00 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

Instrument :

MSVOA_W

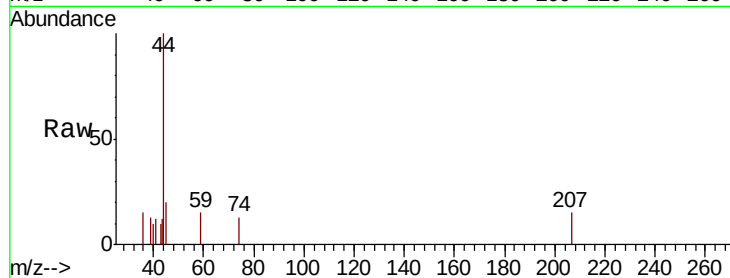
ClientSampled :

Tot Ion: 74 Resp: 71

Ion Ratio Lower Upper

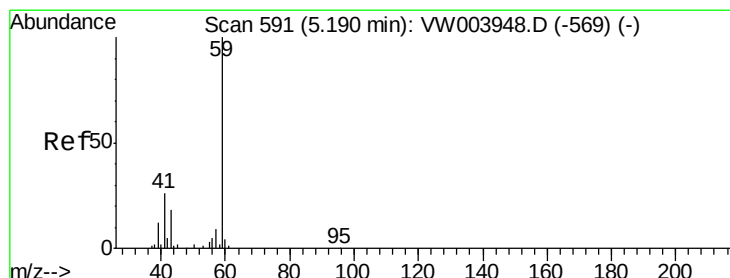
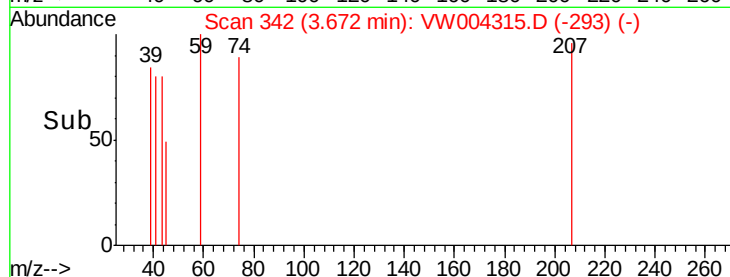
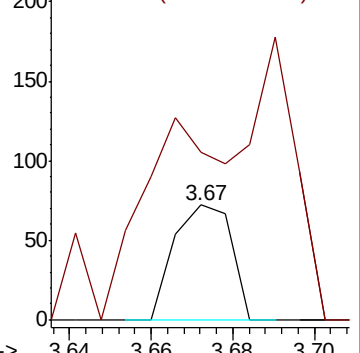
74 100

45 245.1 49.4 148.0#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 590

Delta R.T. 0.01 min

Lab File: VW004315.D

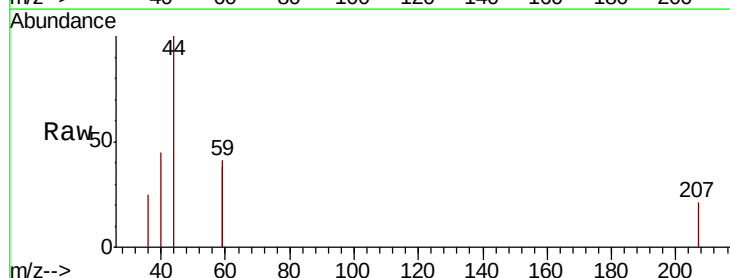
Acq: 29 Jul 2018 15:39

Tgt Ion: 59 Resp: 489

Ion Ratio Lower Upper

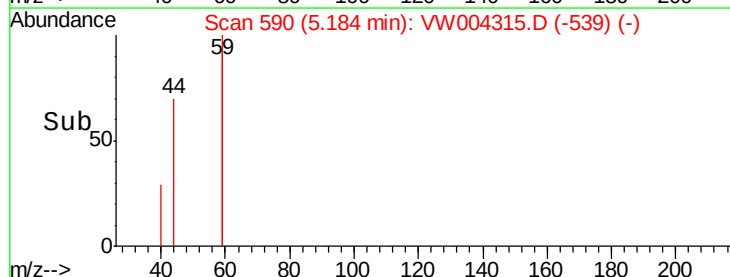
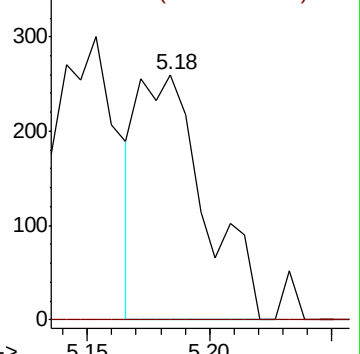
59 100

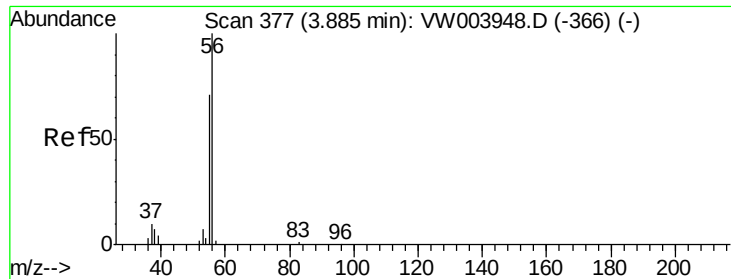
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.472 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

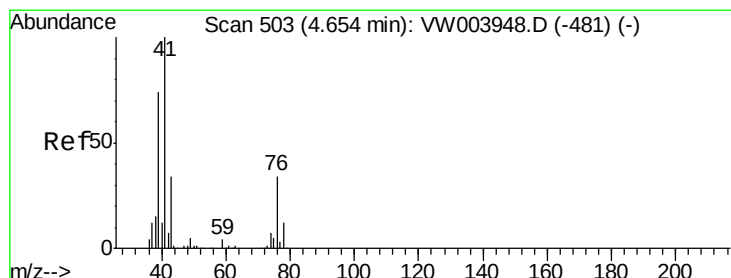
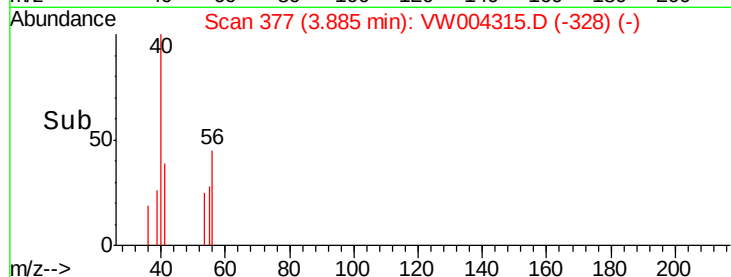
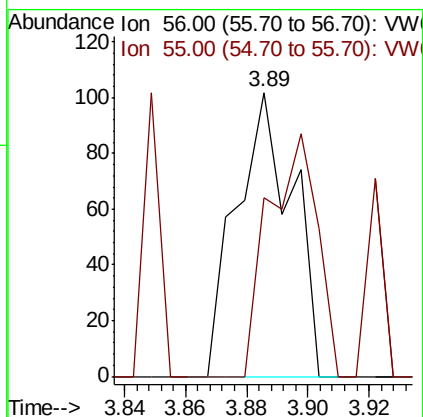
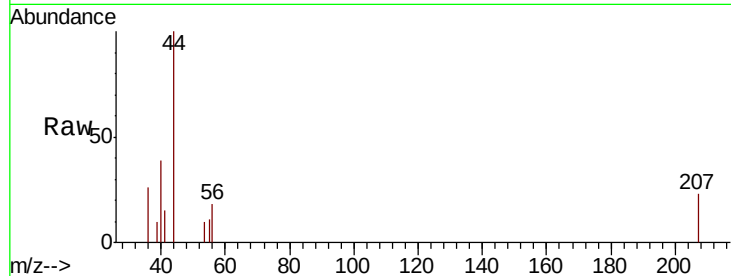
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 74.6 59.4 89.2



#14

Allyl chloride

Concen: 1.565 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

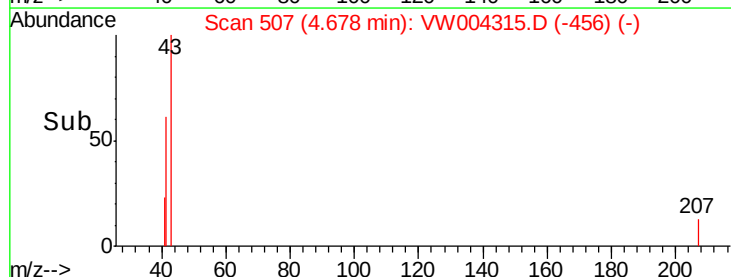
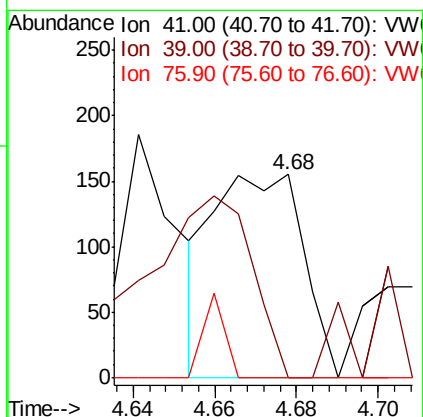
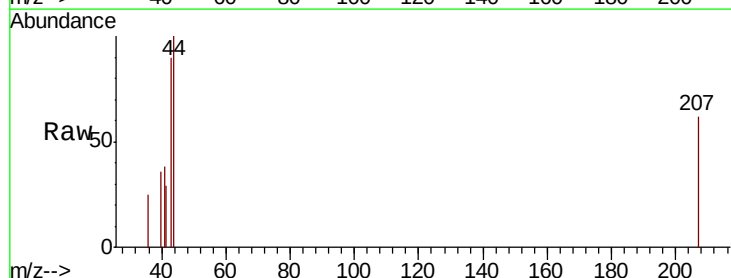
Tgt Ion: 41 Resp: 236

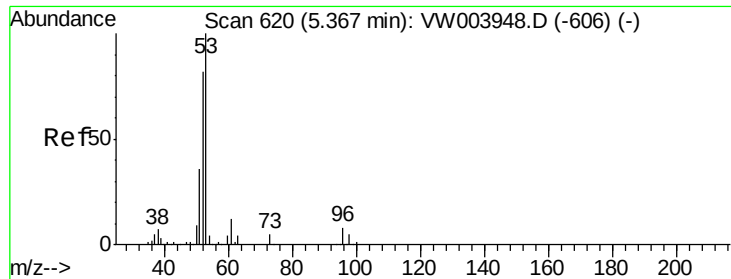
Ion Ratio Lower Upper

41 100

39 93.2 52.3 78.5#

76 9.7 27.3 40.9#





#15

Acrylonitrile

Concen: 4.071 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

Instrument :

MSVOA_W

ClientSampleId :

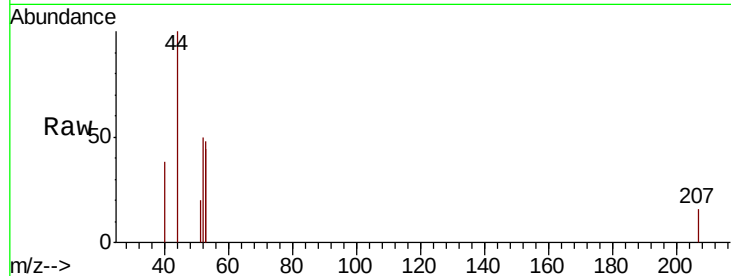
Tot Ion: 53 Resp: 536

Ion Ratio Lower Upper

53 100

52 92.2 65.7 98.5

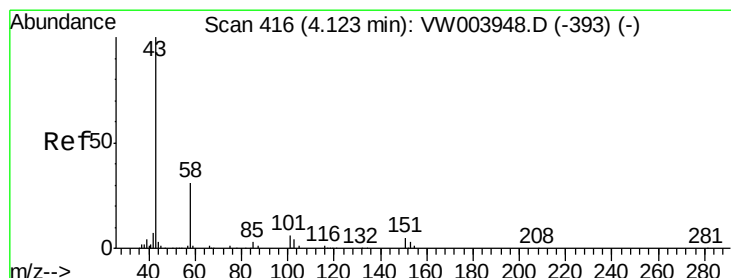
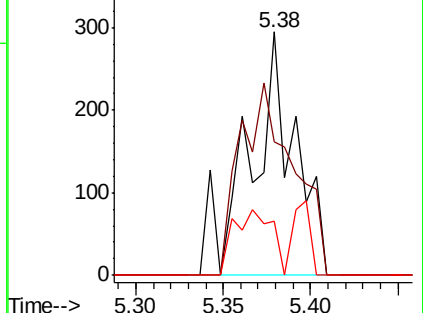
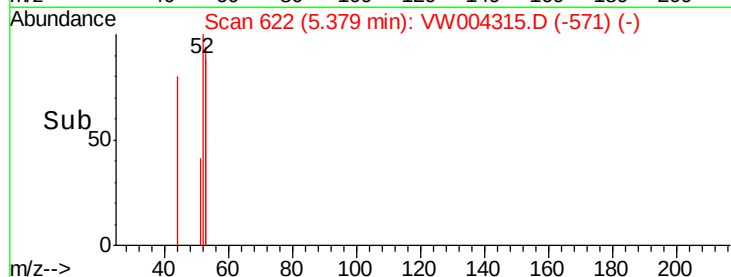
51 22.6 29.2 43.8#



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: 27.480 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004315.D

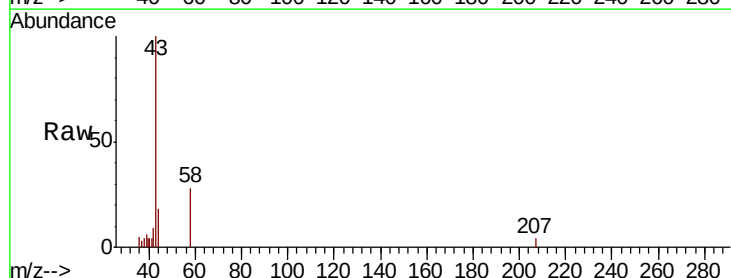
Acq: 29 Jul 2018 15:39

Tgt Ion: 43 Resp: 9846

Ion Ratio Lower Upper

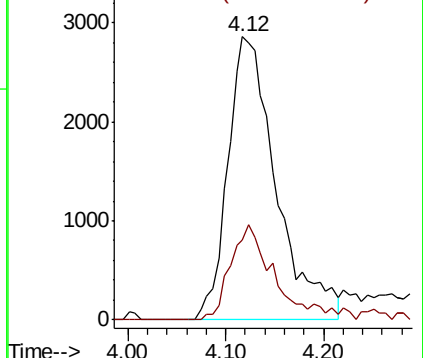
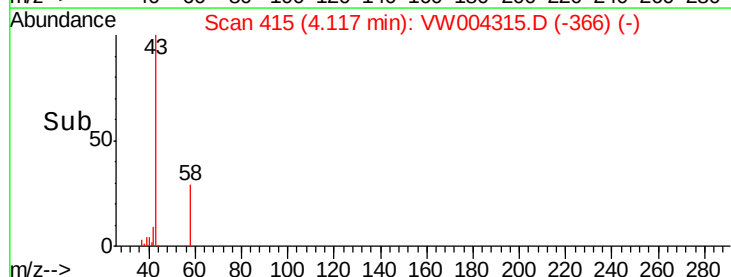
43 100

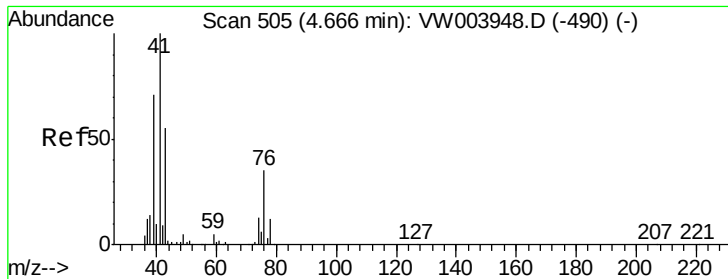
58 28.2 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

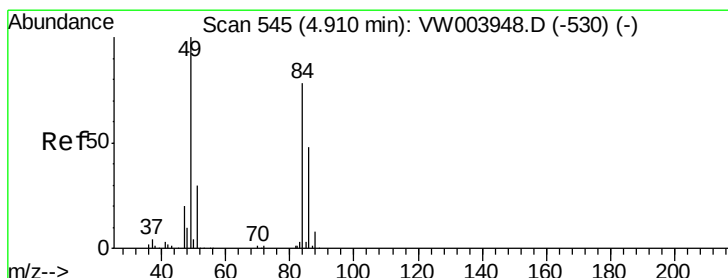
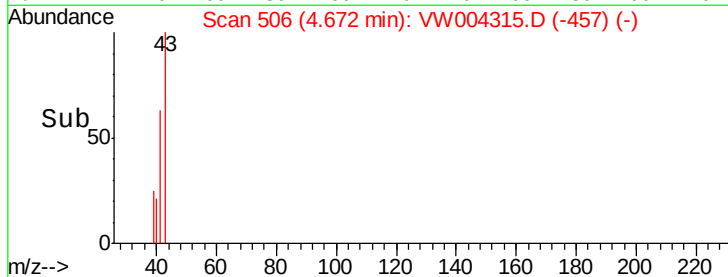
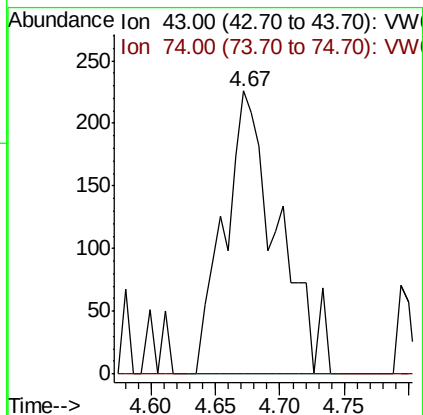
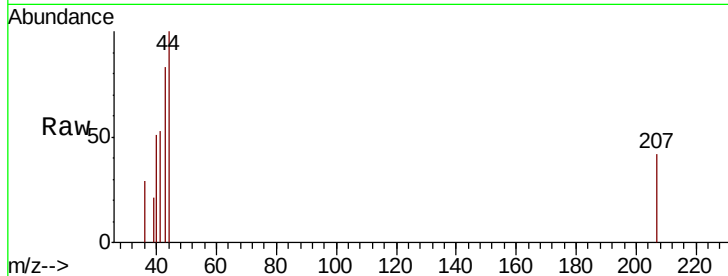




#18
Methyl Acetate
Concen: 1.311 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

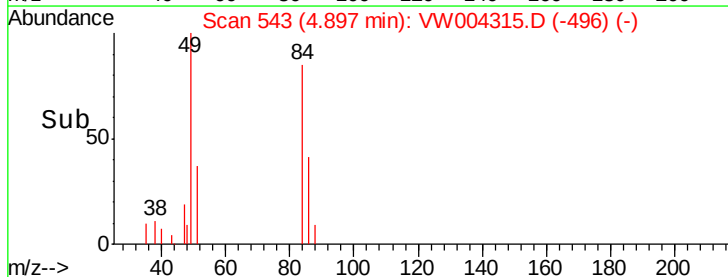
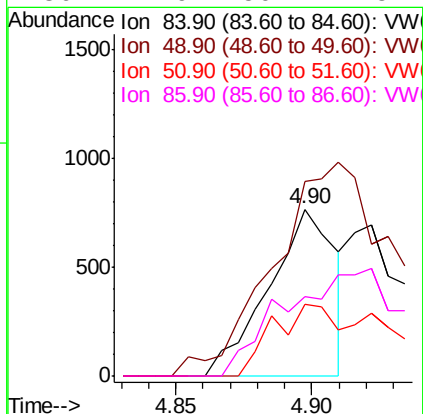
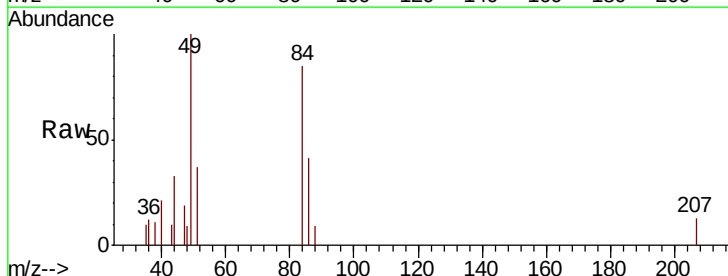
Instrument :
MSVOA_W
ClientSampled :

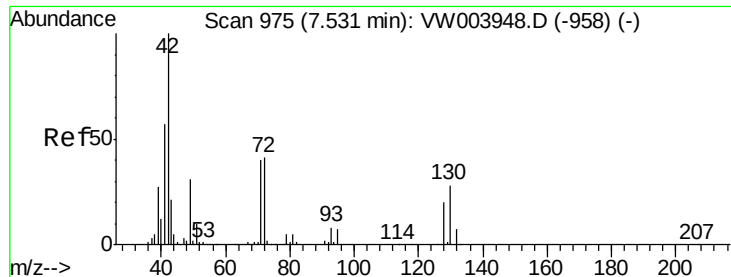
Tot Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

Tgt Ion: 84 Resp: 1303
Ion Ratio Lower Upper
84 100
49 105.2 100.5 150.7
51 43.2 30.9 46.3
86 47.9 50.2 75.4#

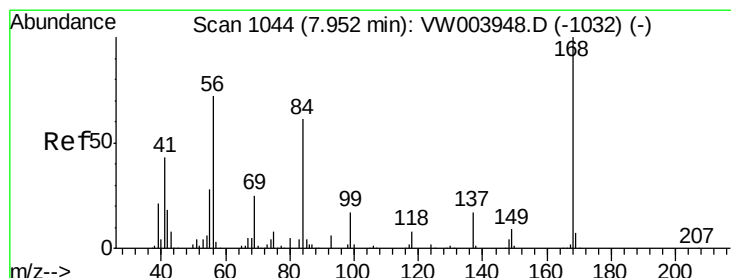
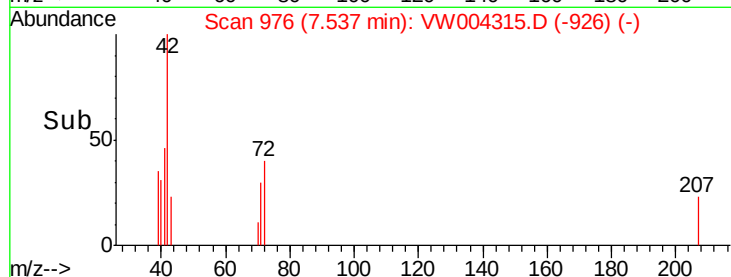
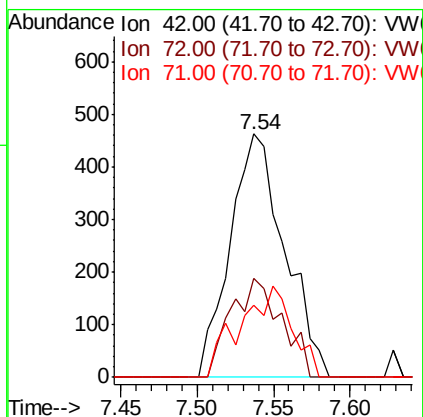
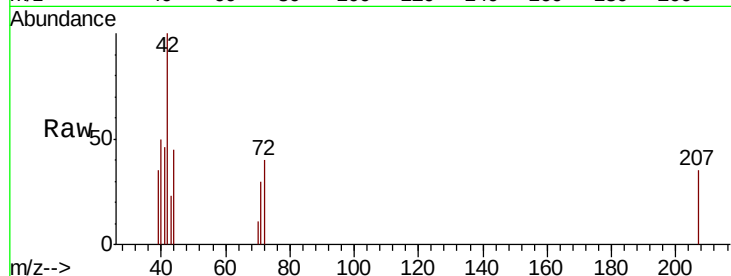




#29
Tetrahydrofuran
Concen: 4.917 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

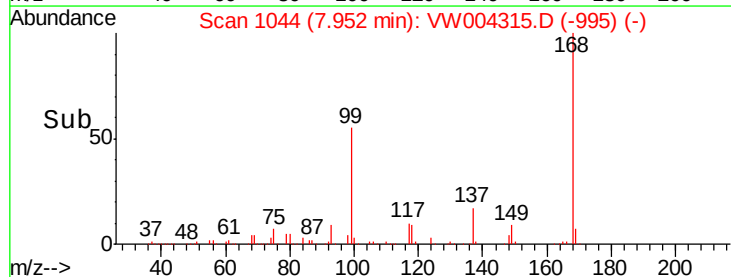
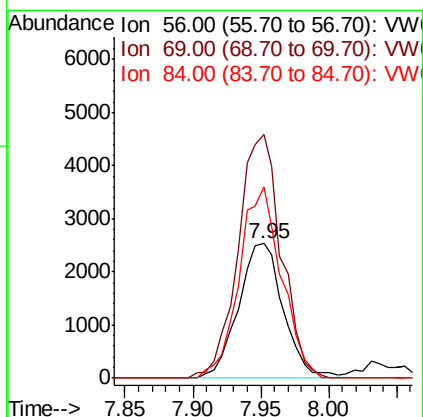
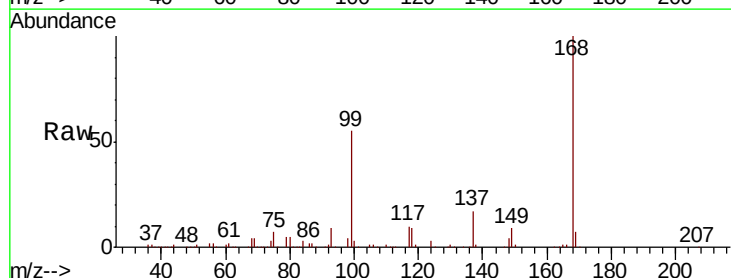
Instrument :
MSVOA_W
ClientSampleId :

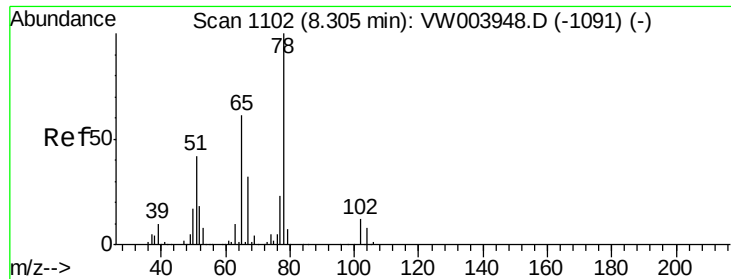
Tot Ion: 42 Resp: 1144
Ion Ratio Lower Upper
42 100
72 37.7 32.6 48.8
71 36.2 31.3 46.9



#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

Tgt Ion: 56 Resp: 5840
Ion Ratio Lower Upper
56 100
69 181.4 26.3 39.5#
84 142.7 66.2 99.4#

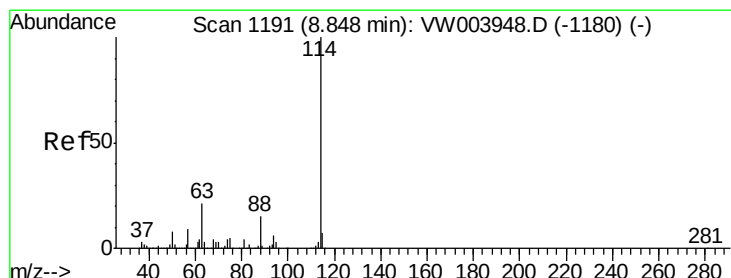
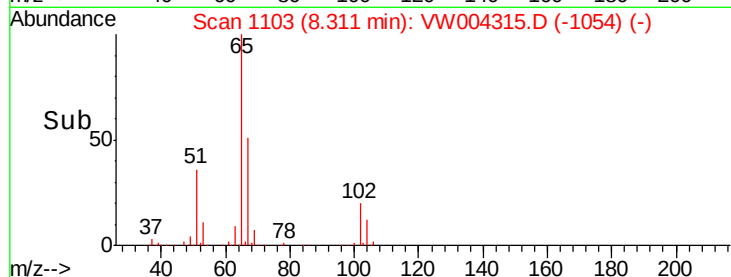
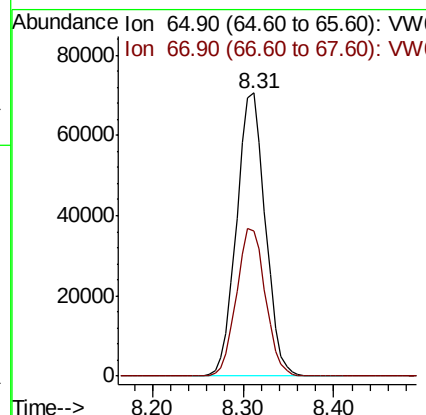
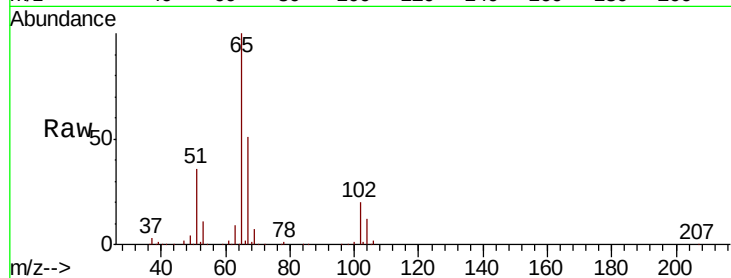




#33
 1,2-Dichloroethane-d4
 Concen: 59.336 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004315.D
 Acq: 29 Jul 2018 15:39

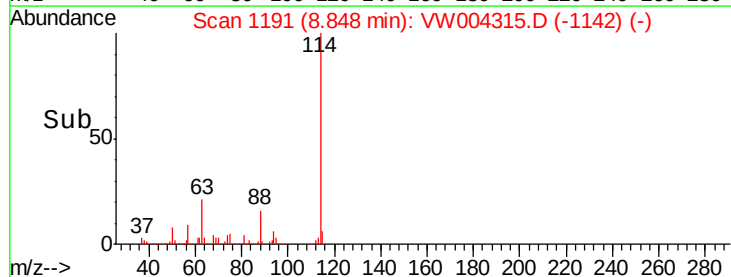
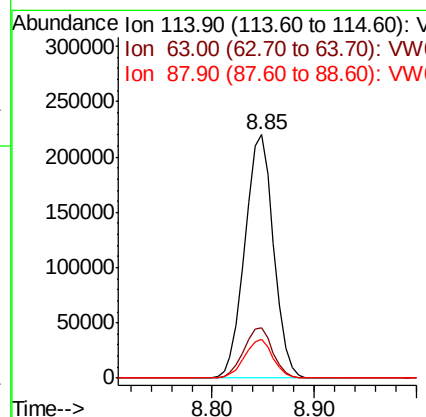
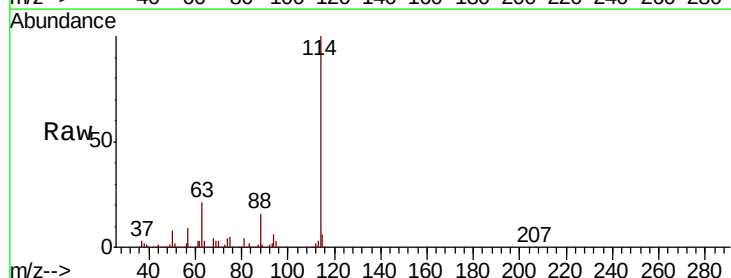
Instrument :
 MSVOA_W
 ClientSampleId :

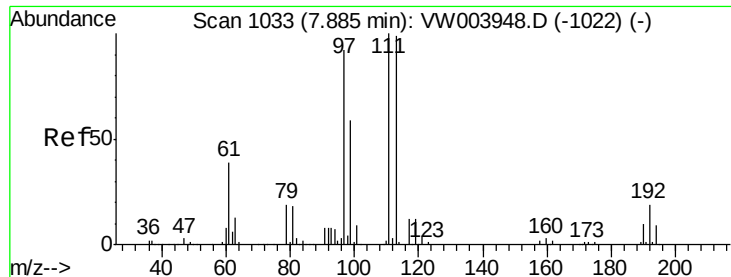
Tot Ion: 65 Resp: 155210
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004315.D
 Acq: 29 Jul 2018 15:39

Tgt Ion: 114 Resp: 430245
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.4
 88 16.0 0.0 30.6

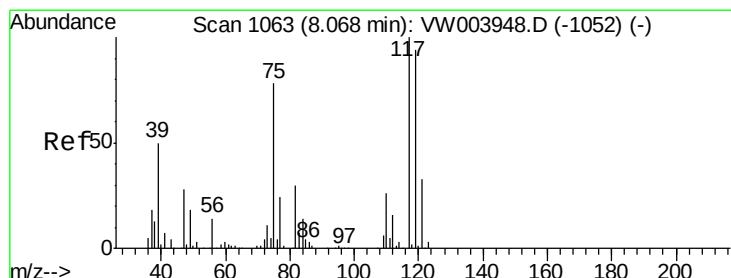
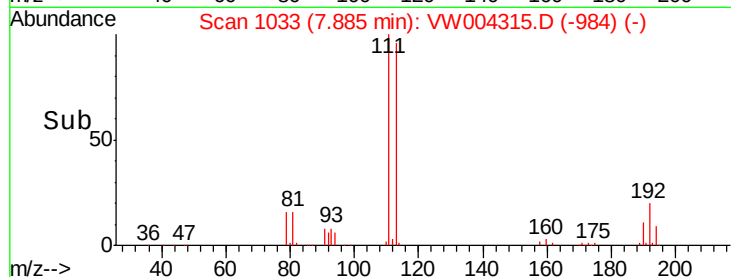
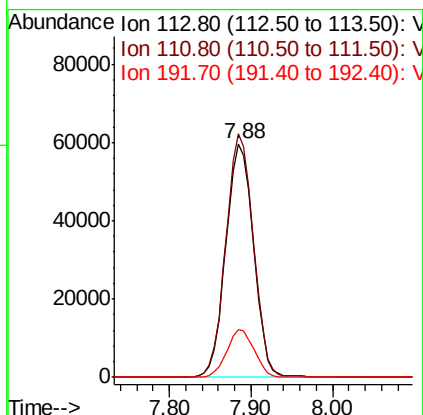
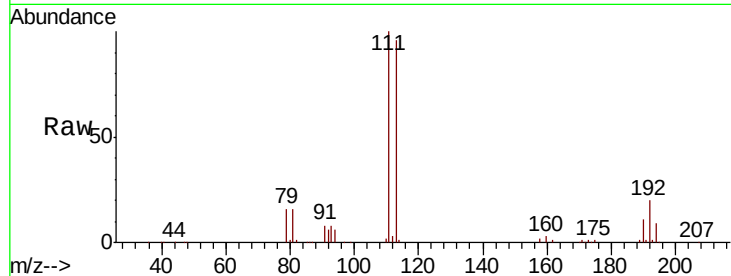




#35
 Dibromofluoromethane
 Concen: 51.366 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004315.D
 Acq: 29 Jul 2018 15:39

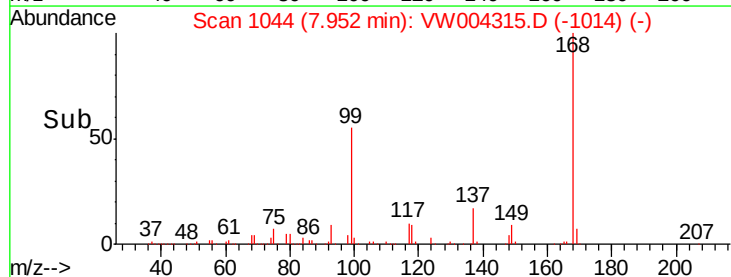
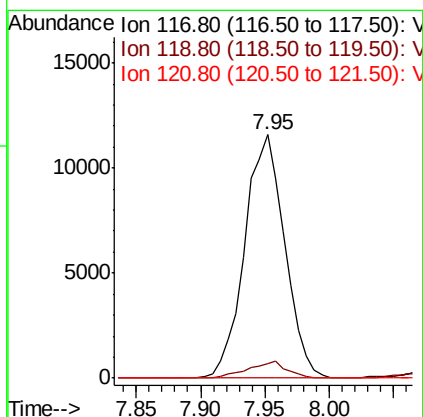
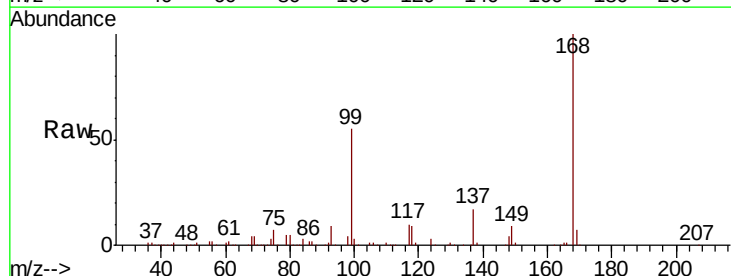
Instrument :
 MSVOA_W
 ClientSampleId :

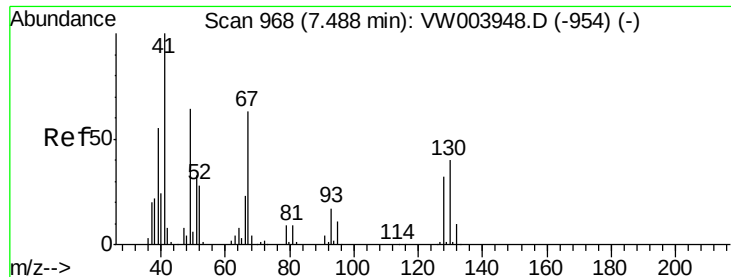
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.1	123.1
192	20.3	16.2	24.4



#38
 Carbon Tetrachloride
 Concen: 5.847 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004315.D
 Acq: 29 Jul 2018 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	79.7	119.5#
121	0.0	25.7	38.5#

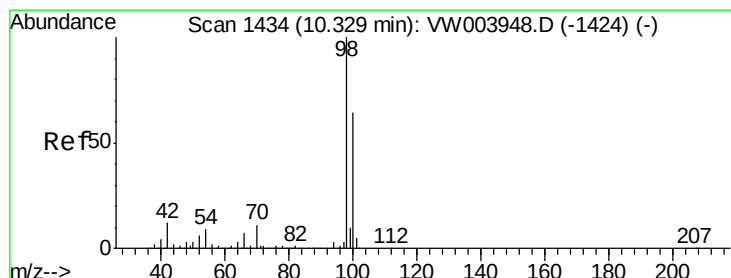
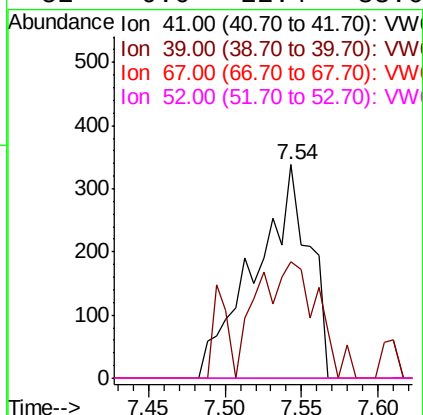
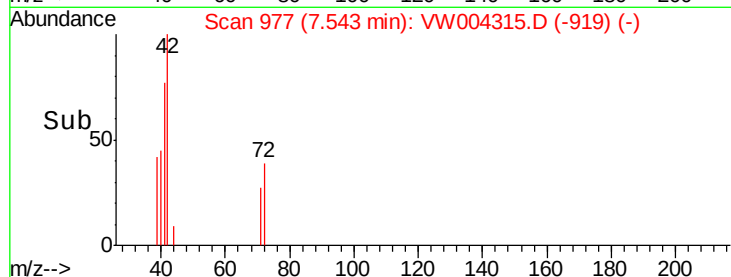
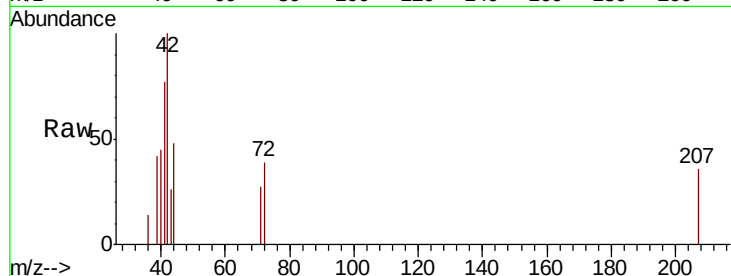




#41
Methacrylonitrile
Concen: 2.788 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.06 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

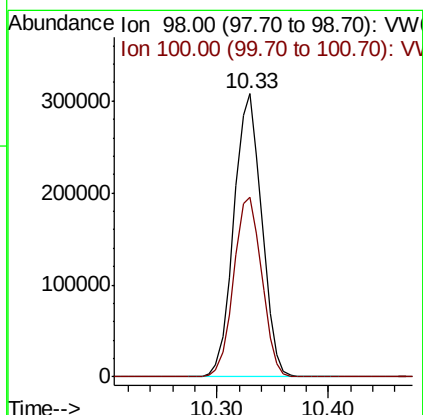
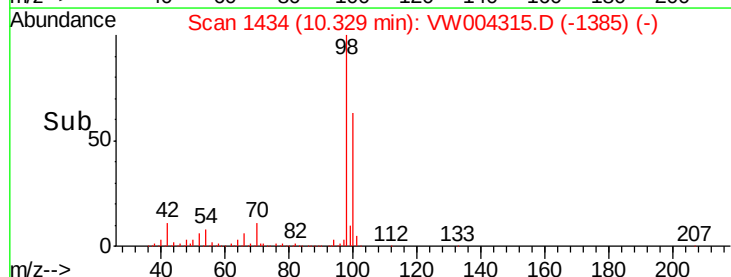
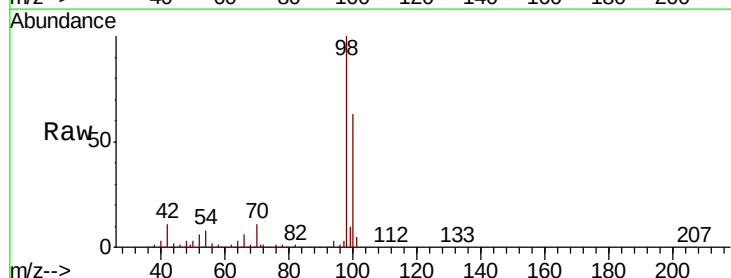
Instrument :
MSVOA_W
ClientSampled :

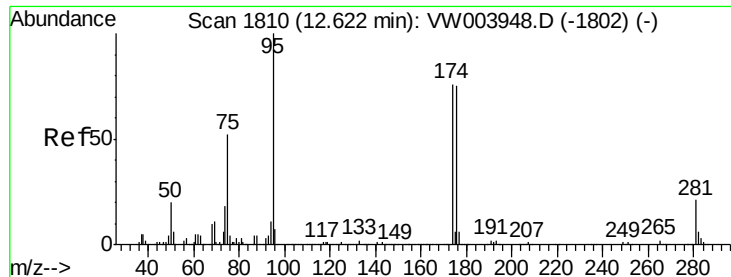
Tot Ion	Ratio	Lower	Upper
41	100		
39	38.8	41.2	61.8#
67	0.0	53.4	80.0#
52	0.0	22.4	33.6#



#50
Toluene-d8
Concen: 49.690 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3

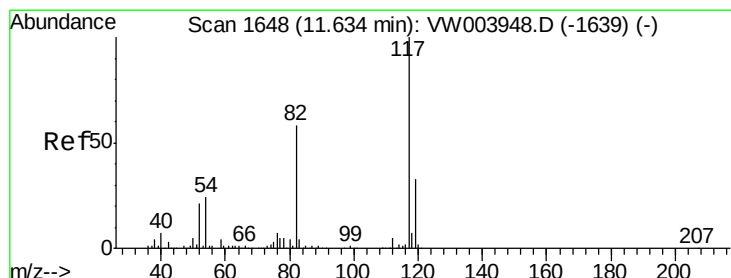
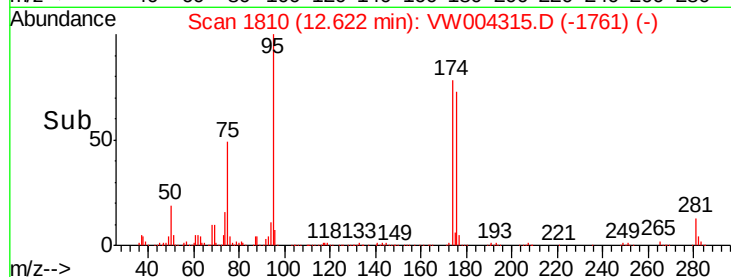
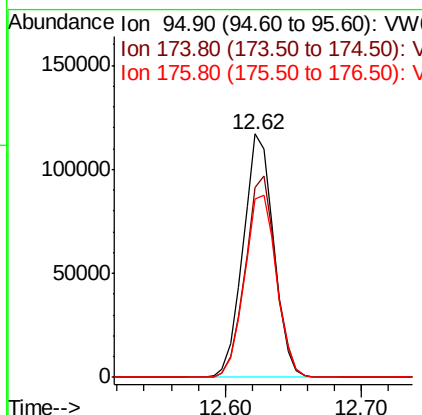
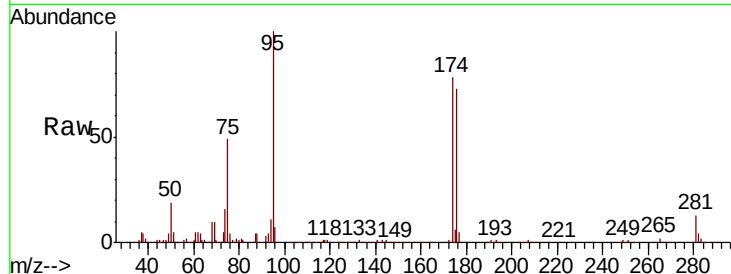




#62
4-Bromofluorobenzene
Concen: 48.547 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

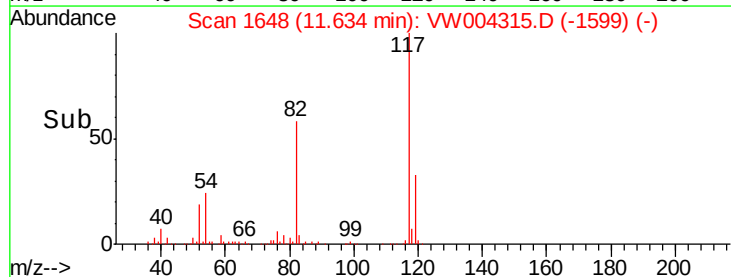
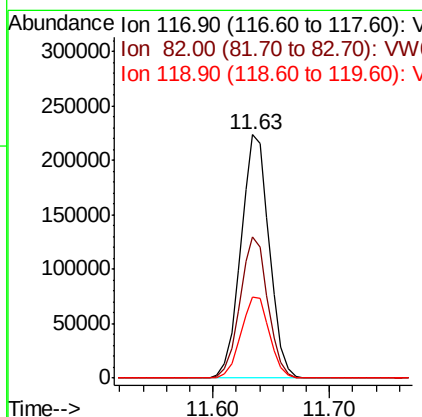
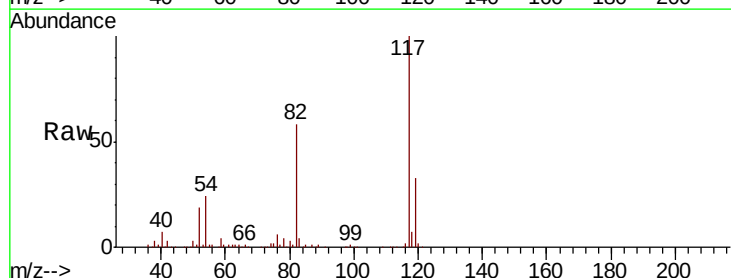
Instrument :
MSVOA_W
ClientSampleId :

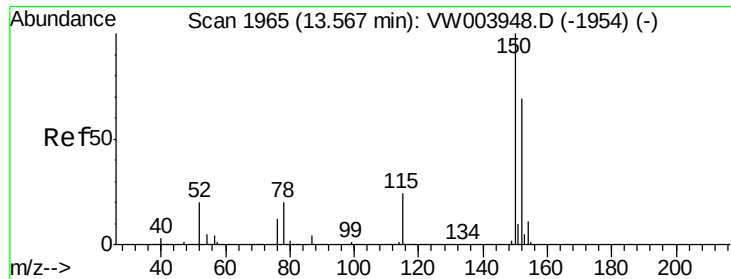
Tot Ion: 95 Resp: 183681
Ion Ratio Lower Upper
95 100
174 83.3 0.0 167.8
176 78.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

Tgt Ion: 117 Resp: 378603
Ion Ratio Lower Upper
117 100
82 58.1 47.9 71.9
119 33.0 27.1 40.7



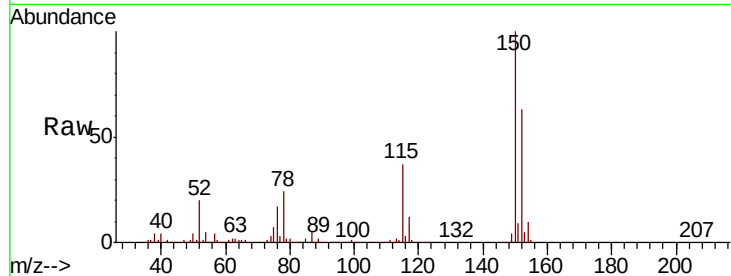


#72

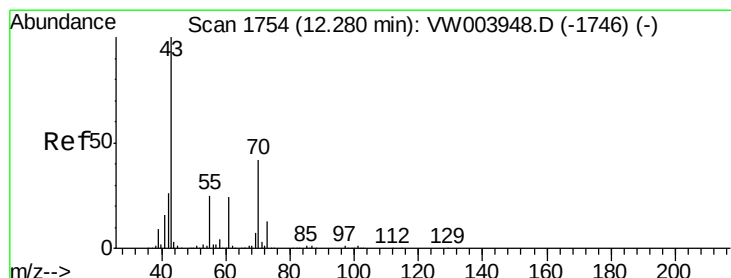
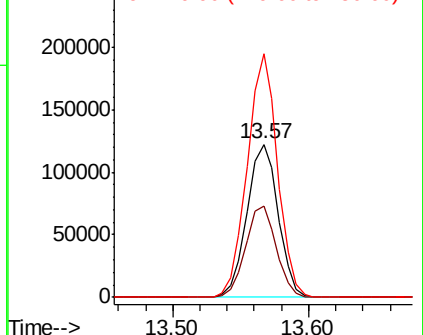
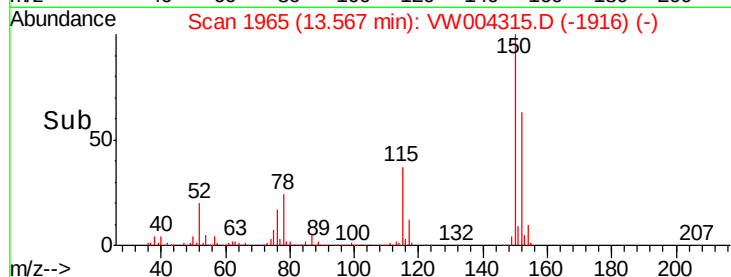
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 196463
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.4
150 154.6 0.0 346.4



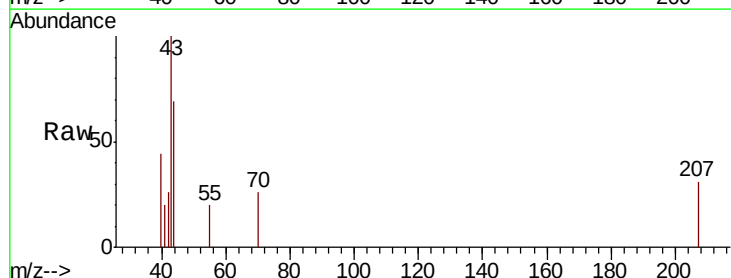
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



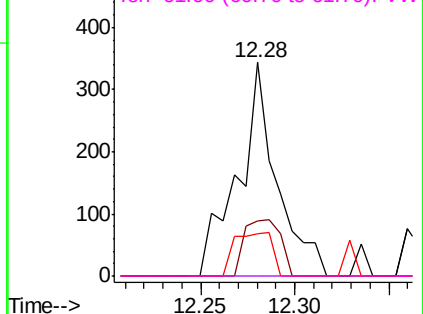
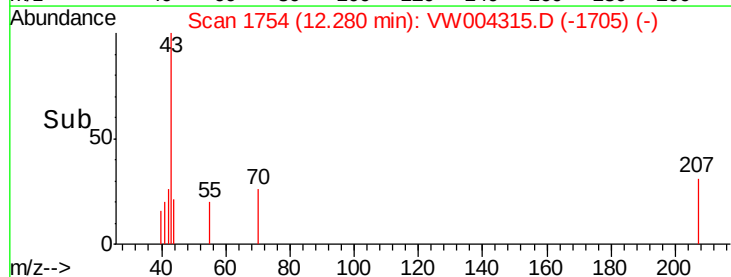
#74

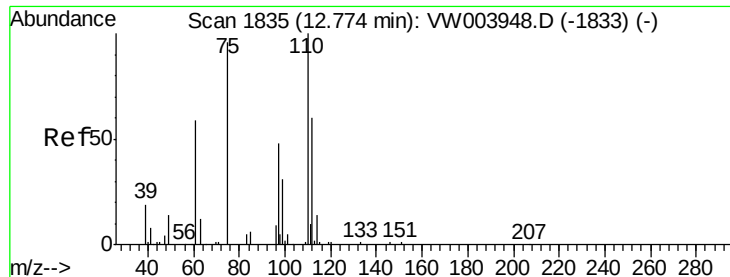
N-ethyl acetate
Concen: 2.018 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW004315.D
Acq: 29 Jul 2018 15:39

Tgt Ion: 43 Resp: 489
Ion Ratio Lower Upper
43 100
70 24.5 34.2 51.4#
55 20.0 21.8 32.8#
61 0.0 18.9 28.3#



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





#76

1,2,3-Trichloropropane

Concen: 51.888 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

Instrument :

MSVOA_W

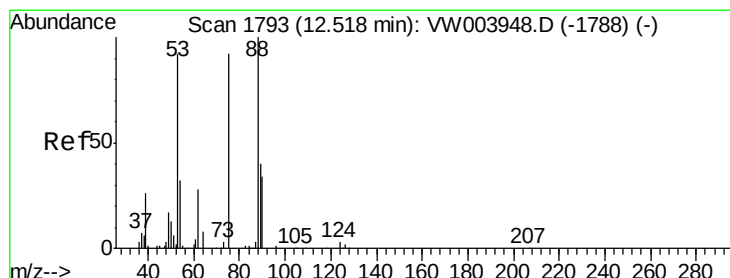
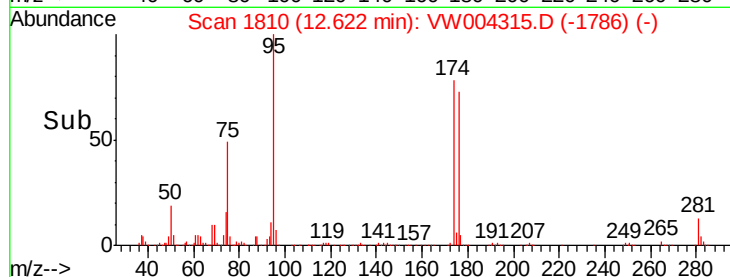
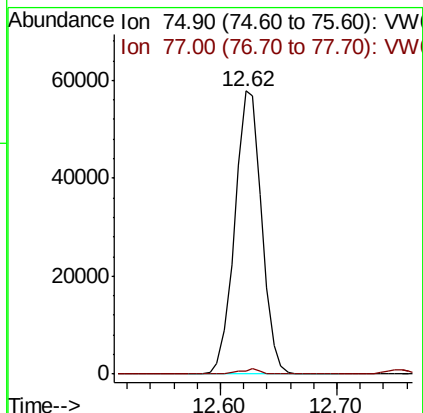
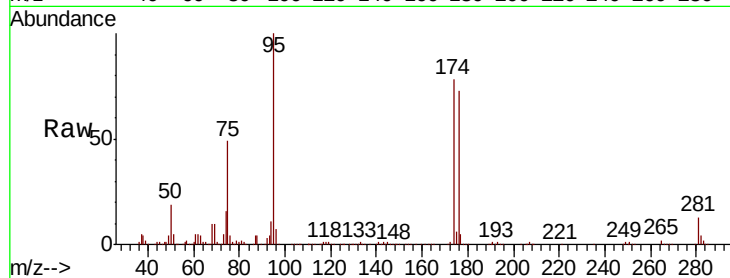
ClientSampleId :

Tot Ion: 75 Resp: 93037

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.738 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004315.D

Acq: 29 Jul 2018 15:39

Tgt Ion: 75 Resp: 93037

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.1 36.0 54.0#

