

Data File : VW008505.D
Acq On : 04 Feb 2019 16:48
Operator : SY/VA
Sample : K1299-05
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0038-AMND-COMP-1

Quant Time: Feb 05 03:05:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	364434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	589161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	527382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	241495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	211934	59.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.40%	
35) Dibromofluoromethane	7.88	113	176771	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.32	98	702431	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.62	95	250743	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	908	3.656	ug/l	80
7) Trichlorofluoromethane	3.24	101	23	4.731	ug/l #	28
11) Tert butyl alcohol	5.16	59	442	1.533	ug/l #	1
13) Acrolein	3.89	56	1170	8.709	ug/l #	14
16) Acetone	4.12	43	34394	42.779	ug/l	98
17) Carbon Disulfide	4.37	76	176643	16.580	ug/l	100
20) Methylene Chloride	4.91	84	9337	2.520	ug/l #	73
25) 2-Butanone	7.17	43	12986	11.629	ug/l	92
29) Tetrahydrofuran	7.54	42	1357	1.918	ug/l #	88
31) Cyclohexane	7.95	56	10500	1.494	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	26465	4.755	ug/l #	51
38) Carbon Tetrachloride	7.95	117	34224	6.111	ug/l #	18
39) Methylcyclohexane	9.33	83	21755	2.976	ug/l	93
41) Methacrylonitrile	7.53	41	1596	1.095	ug/l #	33
48) Methyl methacrylate	9.34	41	14000	5.597	ug/l #	77
49) 1,4-Dioxane	9.45	88	34	1.016	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	12489	4.546	ug/l #	24
56) Ethyl methacrylate	10.67	69	6322	1.642	ug/l #	10
59) 2-Hexanone	10.93	43	53268	29.858	ug/l #	30
67) Ethyl Benzene	11.73	91	83744	4.232	ug/l	99
68) m/p-Xylenes	11.83	106	38450	5.008	ug/l	94
69) o-Xylene	12.16	106	43321	5.938	ug/l	99
73) Isopropylbenzene	12.46	105	79774	4.431	ug/l	98
74) N-ethyl acetate	12.26	43	78145	16.848	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.69	83	7623	2.674	ug/l #	92
76) 1,2,3-Trichloropropane	12.87	75	4076	1.941	ug/l #	1
77) Bromobenzene	12.91	156	134317	34.161	ug/l #	1
79) 2-Chlorotoluene	12.87	91	46232	3.789	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.94	105	165544	11.001	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	130933	123.166	ug/l #	14
82) 4-Chlorotoluene	12.94	91	22309	1.717	ug/l #	61
83) tert-Butylbenzene	13.44	119	97389	7.273	ug/l	77
84) 1,2,4-Trimethylbenzene	13.26	105	315934	20.655	ug/l	100
86) p-Isopropyltoluene	13.50	119	98663	5.890	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020419\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

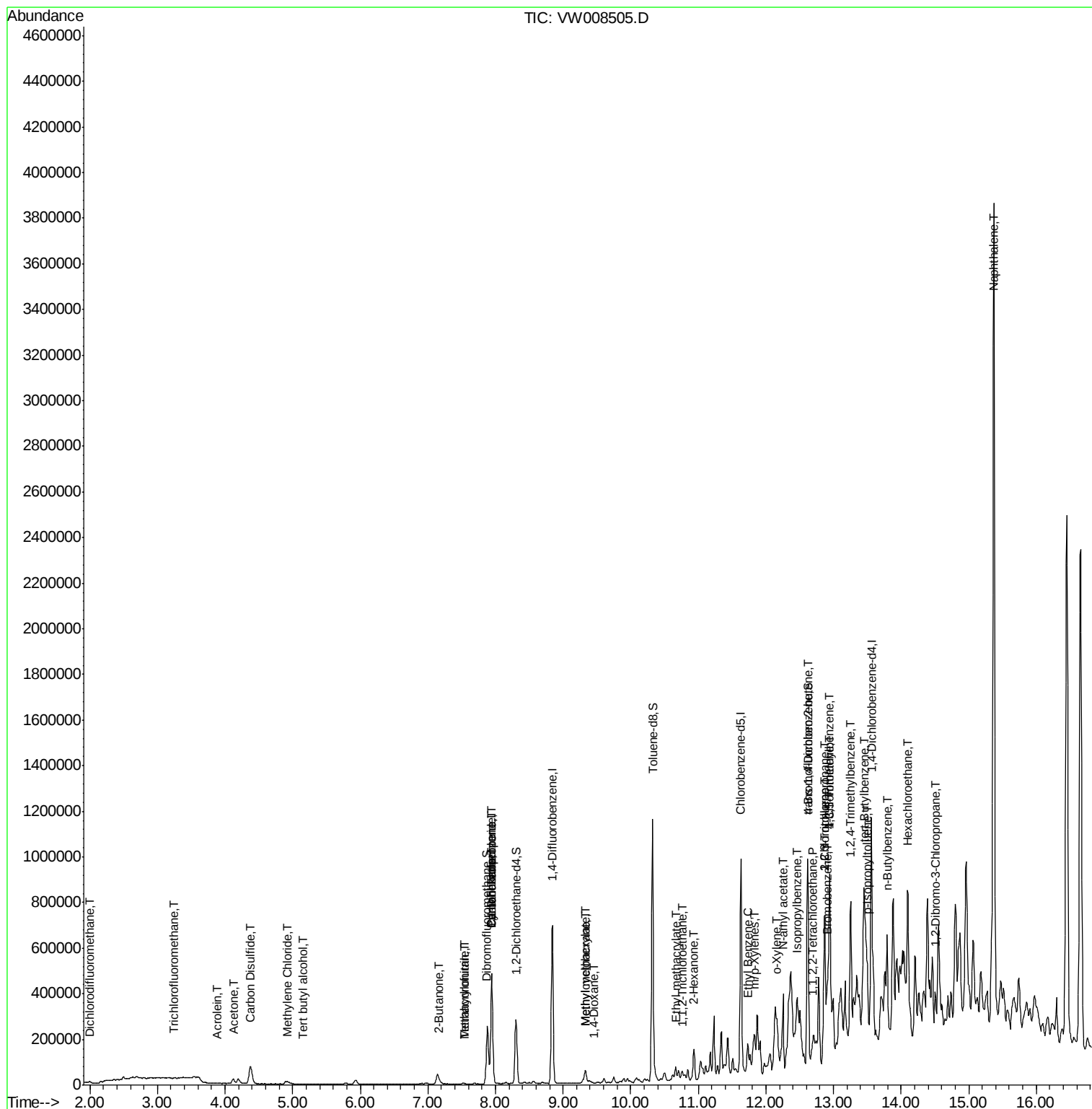
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.79	91	51083	3.106	ug/l #	1
90) Hexachloroethane	14.10	117	25851	7.891	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.51	75	621	1.148	ug/l #	39
95) Naphthalene	15.37	128	2991073	339.748	ug/l	99

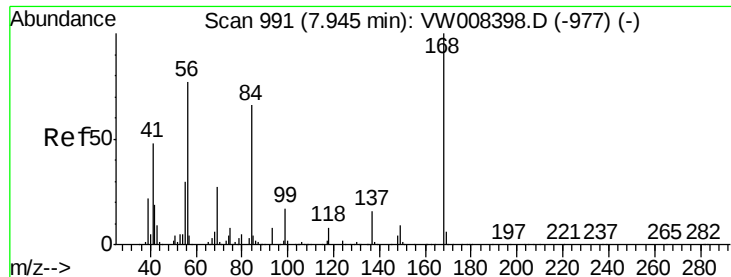
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008505.D

Acq: 04 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

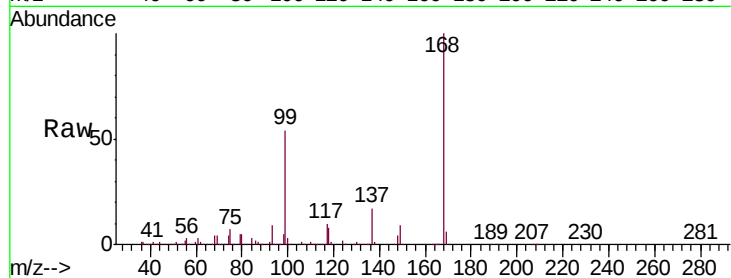
0038-AMND-COMP-1

Tgt Ion:168 Resp: 364434

Ion Ratio Lower Upper

168 100

99 54.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

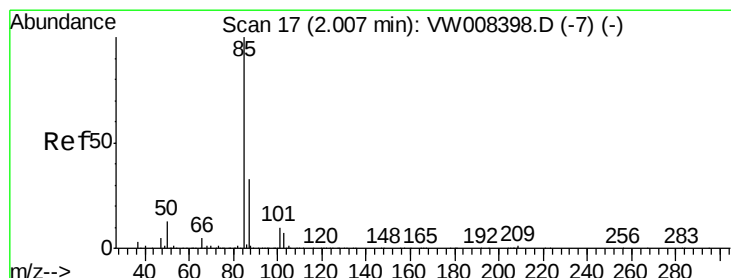
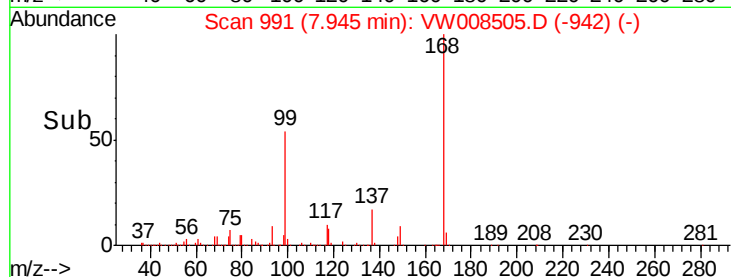
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.656 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008505.D

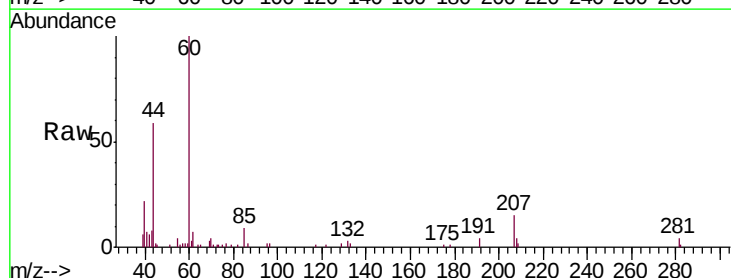
Acq: 04 Feb 2019 16:48

Tgt Ion: 85 Resp: 908

Ion Ratio Lower Upper

85 100

87 21.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

500

400

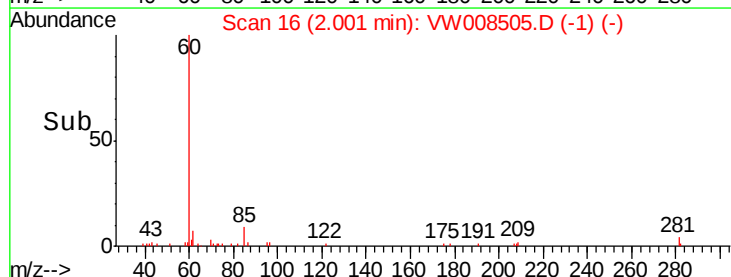
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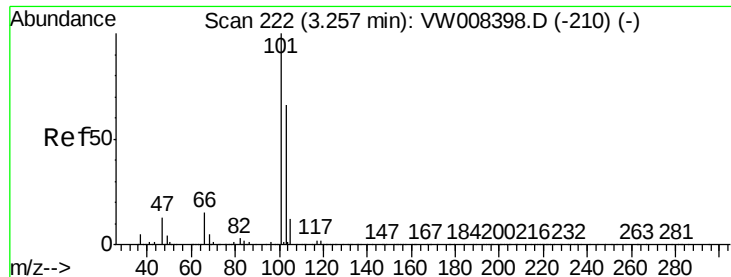
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100

0

Time-->



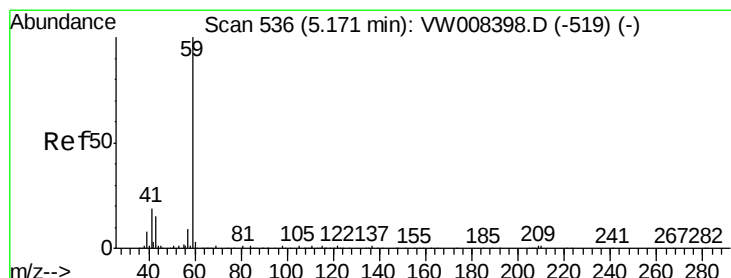
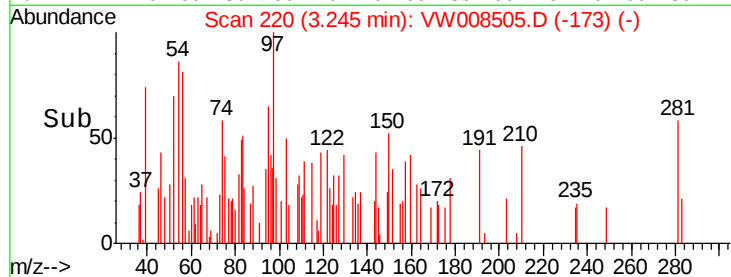
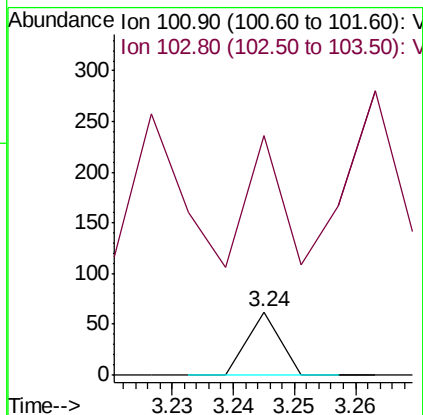
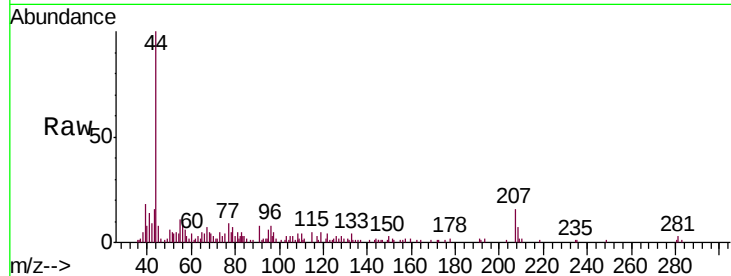


#7

Trichlorofluoromethane
Concen: 4.731 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008505.D
Acq: 04 Feb 2019 16:48

Instrument :
MSVOA_W
ClientSampleId :
0038-AMND-COMP-1

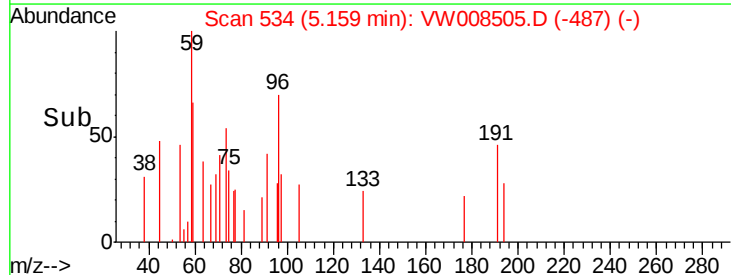
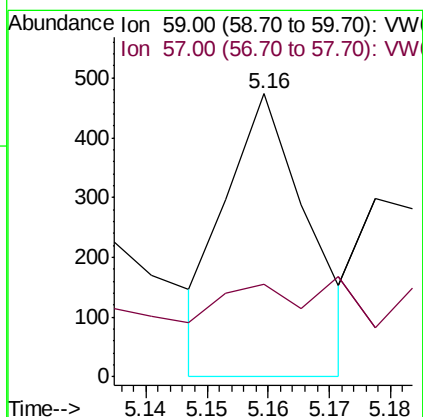
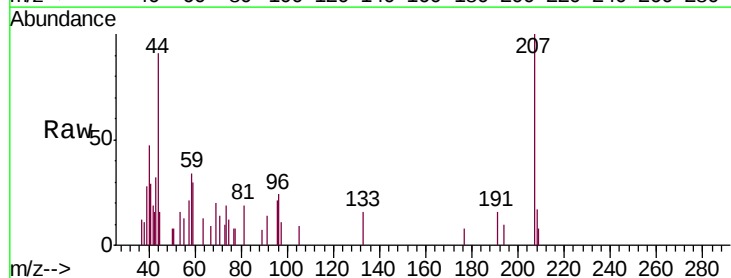
Tgt Ion: 101 Resp: 23
Ion Ratio Lower Upper
101 100
103 122.6 52.5 78.7#

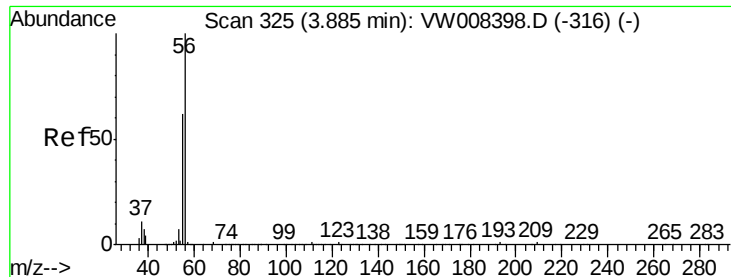


#11

Tert butyl alcohol
Concen: 1.533 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW008505.D
Acq: 04 Feb 2019 16:48

Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 110.6 9.3 13.9#

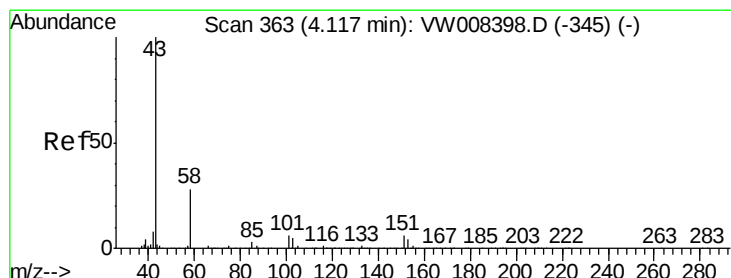
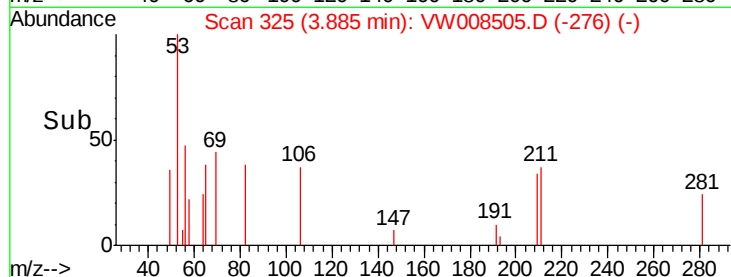
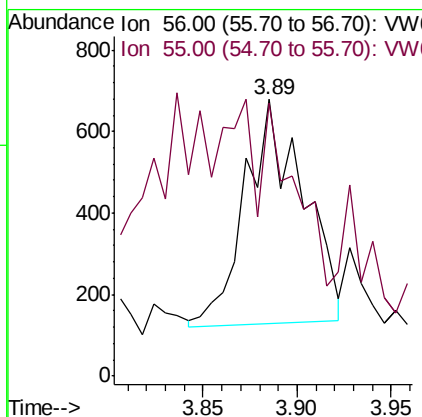
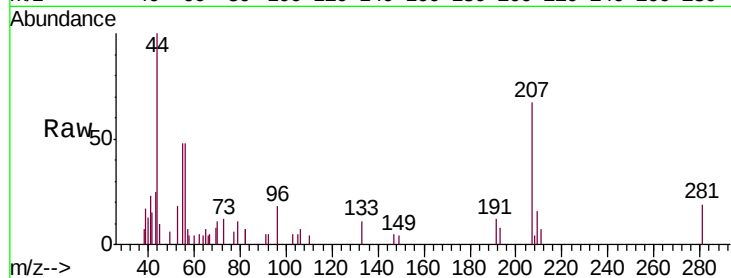




#13
Acrolein
Concen: 8.709 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008505.D
Acq: 04 Feb 2019 16:48

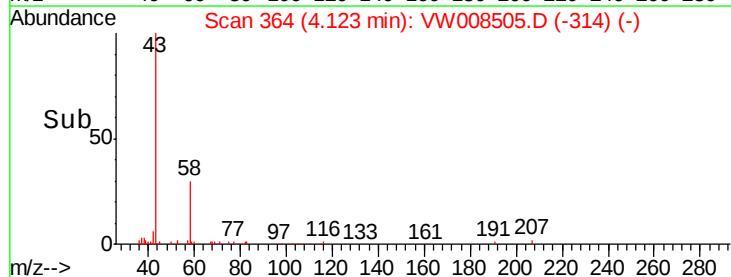
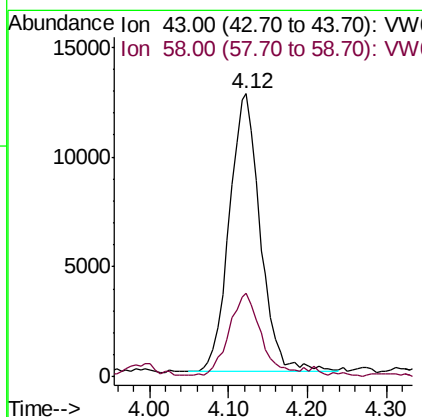
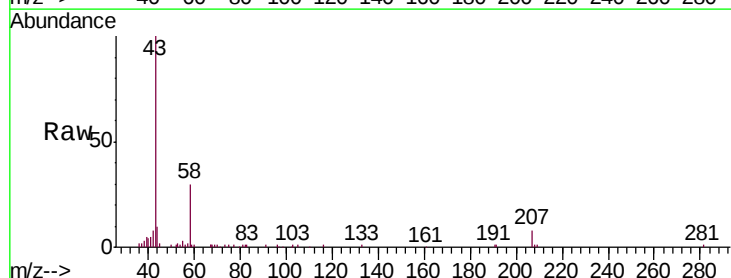
Instrument :
MSVOA_W
ClientSampleId :
0038-AMND-COMP-1

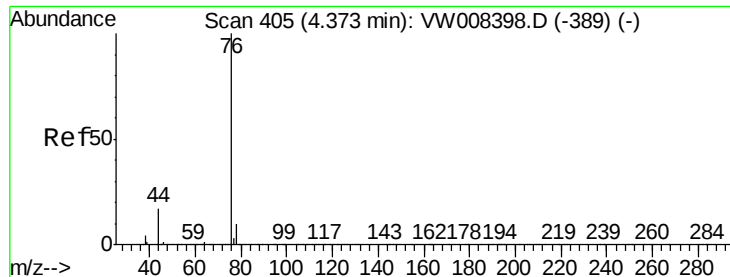
Tgt Ion: 56 Resp: 1170
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#



#16
Acetone
Concen: 42.779 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW008505.D
Acq: 04 Feb 2019 16:48

Tgt Ion: 43 Resp: 34394
Ion Ratio Lower Upper
43 100
58 29.5 22.6 34.0

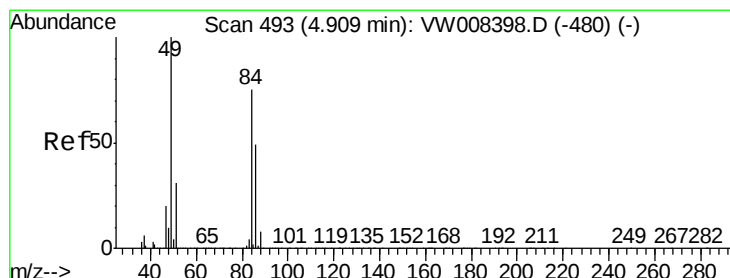
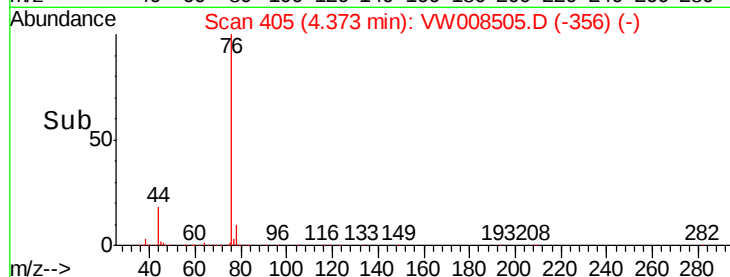
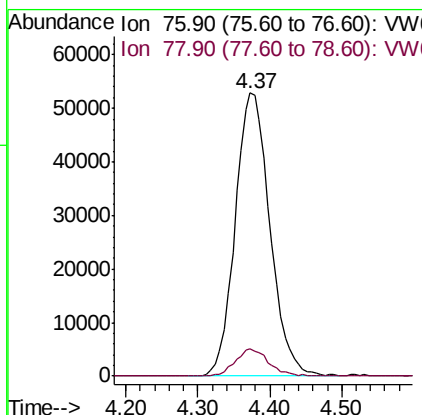
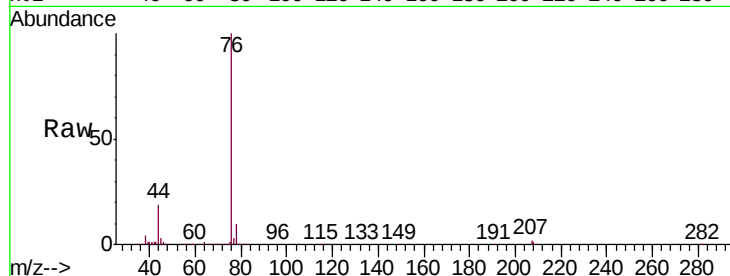




#17
Carbon Disulfide
Concen: 16.580 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008505.D
Acq: 04 Feb 2019 16:48

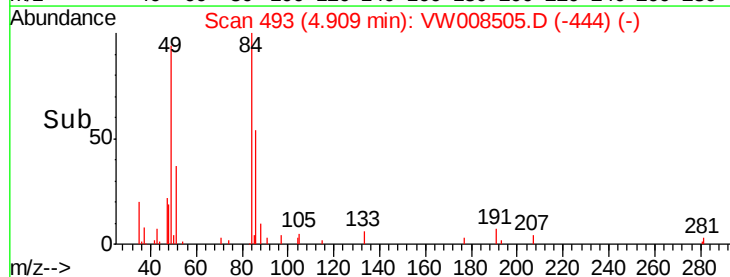
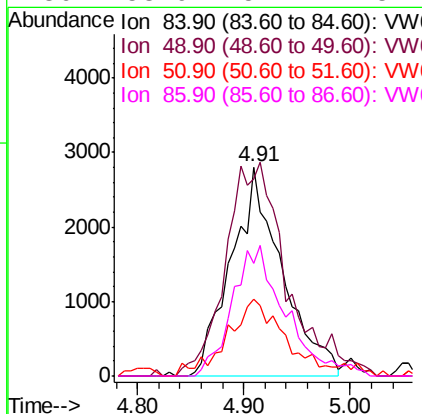
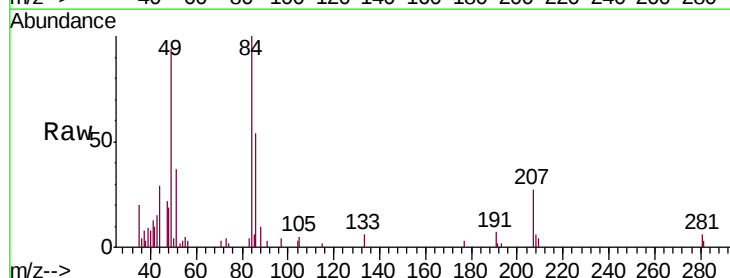
Instrument :
MSVOA_W
ClientSampleId :
0038-AMND-COMP-1

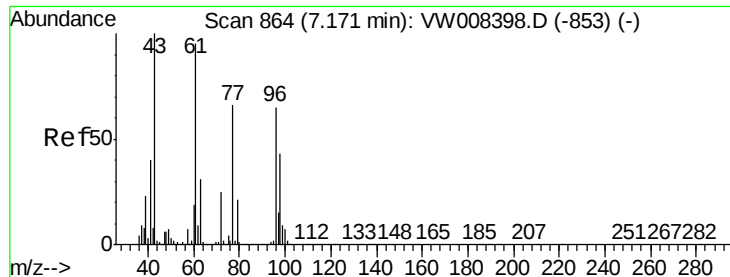
Tgt Ion: 76 Resp: 176643
Ion Ratio Lower Upper
76 100
78 9.6 7.7 11.5



#20
Methylene Chloride
Concen: 2.520 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW008505.D
Acq: 04 Feb 2019 16:48

Tgt Ion: 84 Resp: 9337
Ion Ratio Lower Upper
84 100
49 88.4 106.8 160.2#
51 33.0 32.9 49.3
86 53.9 52.2 78.2





#25

2-Butanone

Concen: 11.629 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008505.D

Acq: 04 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

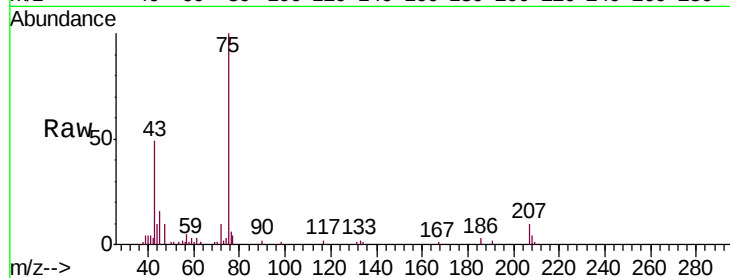
0038-AMND-COMP-1

Tgt Ion: 43 Resp: 12986

Ion Ratio Lower Upper

43 100

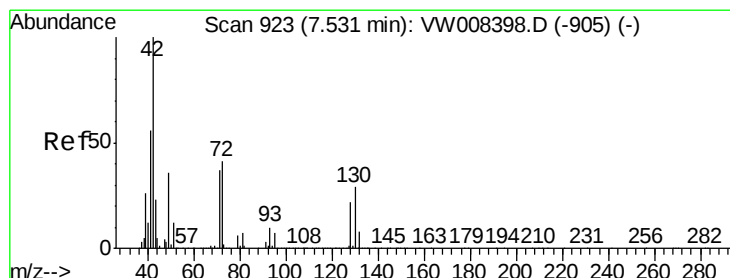
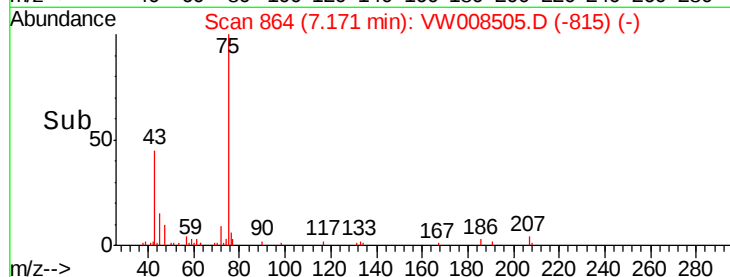
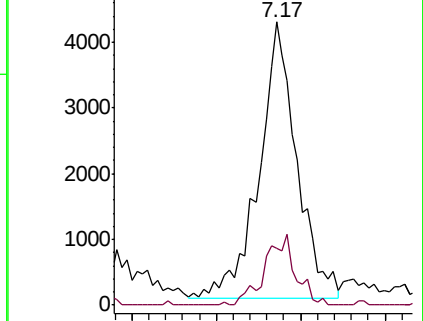
72 20.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

5000

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.918 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008505.D

Acq: 04 Feb 2019 16:48

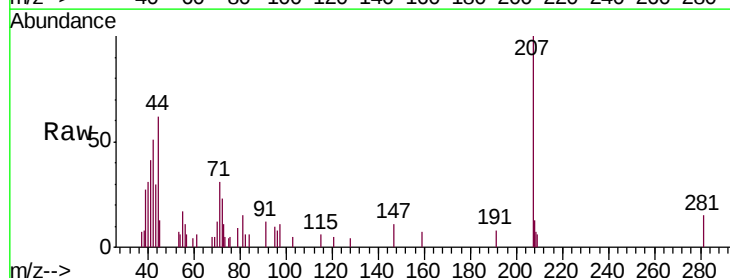
Tgt Ion: 42 Resp: 1357

Ion Ratio Lower Upper

42 100

72 42.4 31.9 47.9

71 49.2 29.9 44.9#

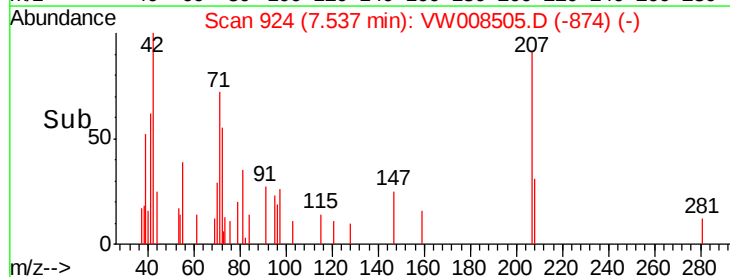
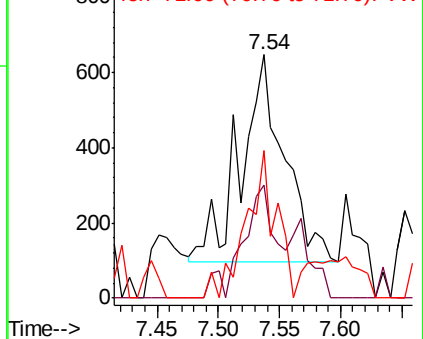


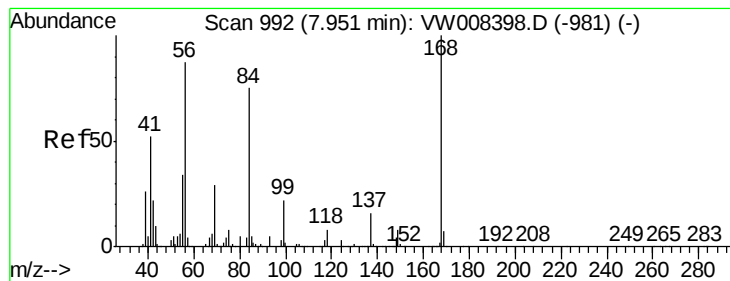
Abundance Ion 42.00 (41.70 to 42.70): VW

800

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.494 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008505.D

Acq: 04 Feb 2019 16:48

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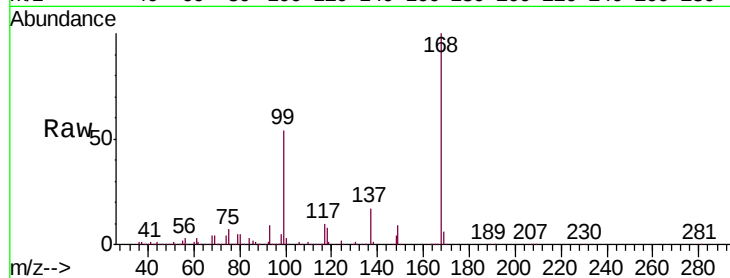
Tgt Ion: 56 Resp: 10500

Ion Ratio Lower Upper

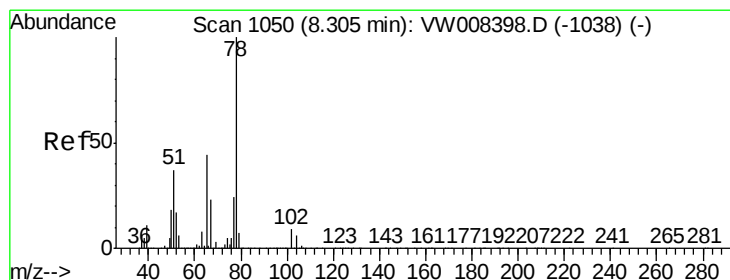
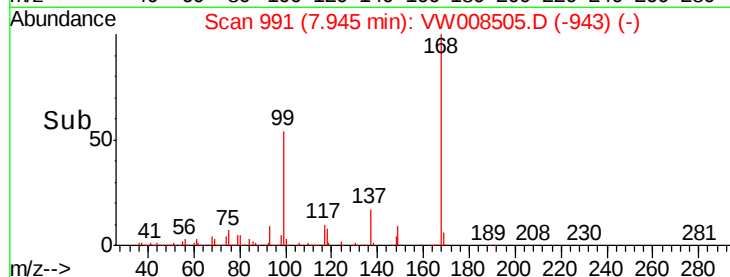
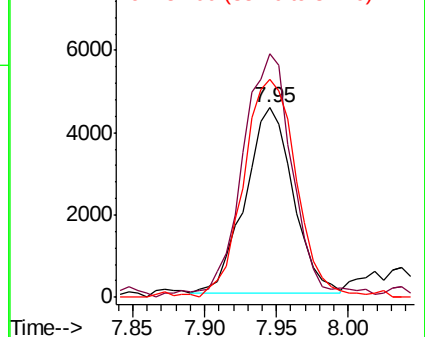
56 100

69 128.0 26.4 39.6#

84 115.8 69.1 103.7#



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: 59.196 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008505.D

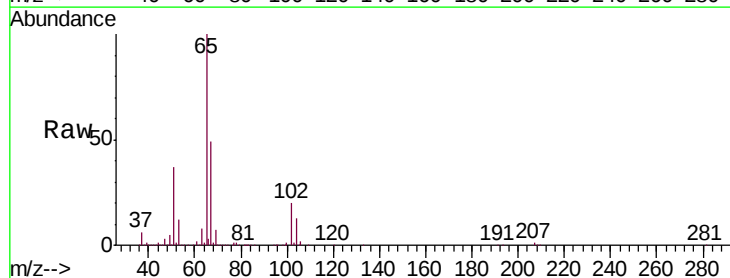
Acq: 04 Feb 2019 16:48

Tgt Ion: 65 Resp: 211934

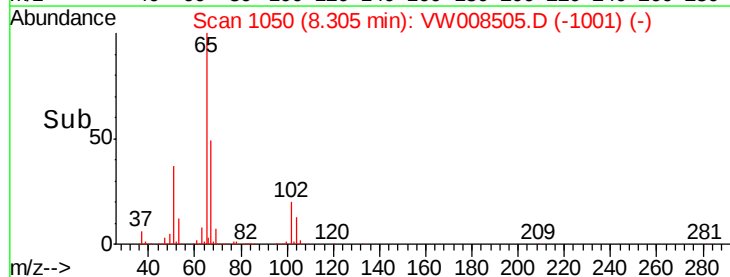
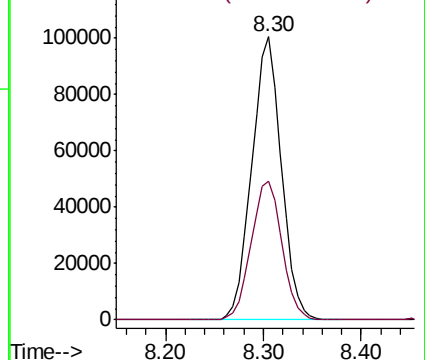
Ion Ratio Lower Upper

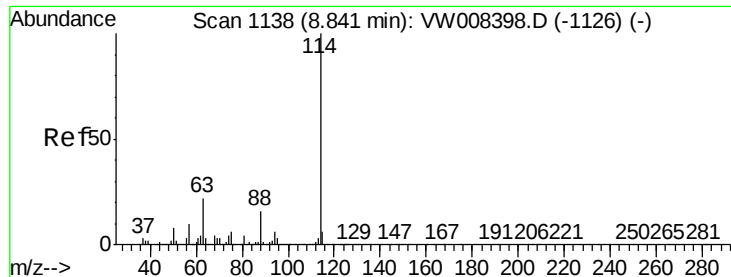
65 100

67 50.7 0.0 104.0



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: VW008505.D

Acq: 04 Feb 2019 16:48

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ClientSampleId :

0038-AMND-COMP-1

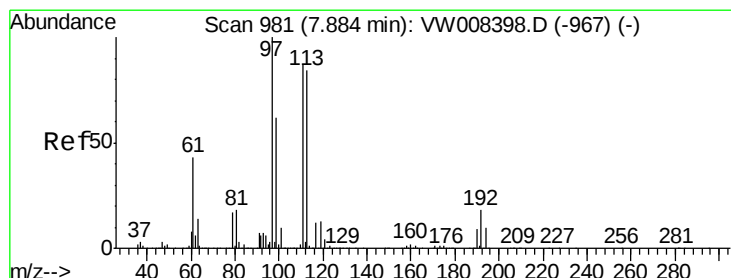
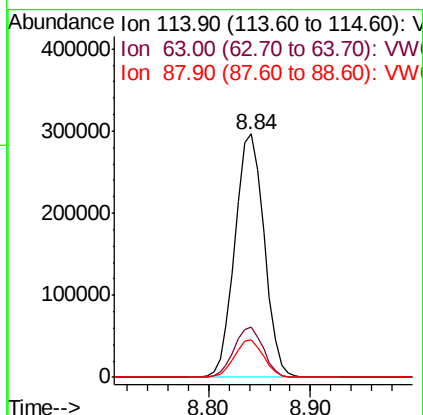
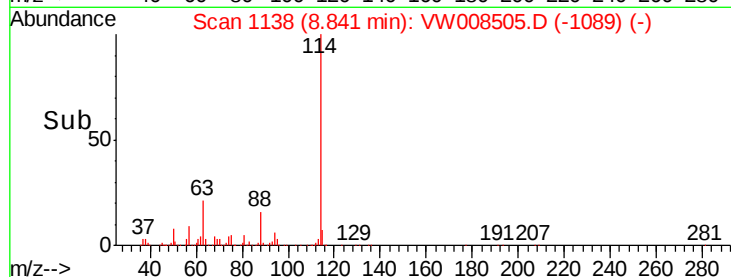
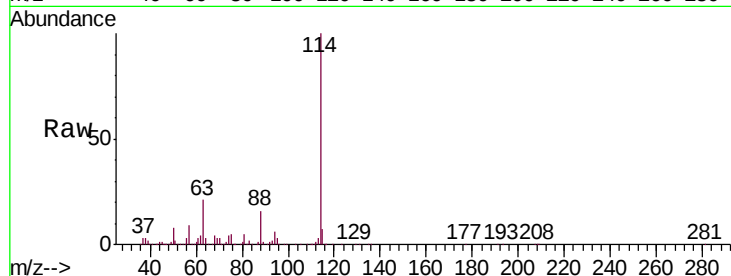
Tgt Ion:114 Resp: 589161

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.6

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.312 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008505.D

Acq: 04 Feb 2019 16:48

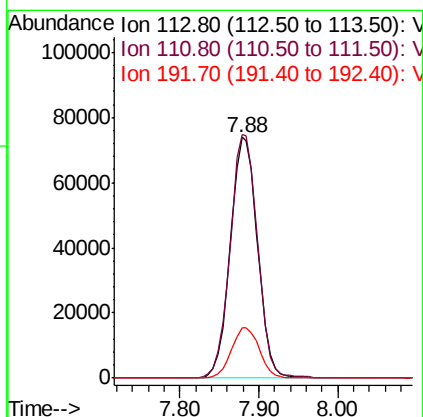
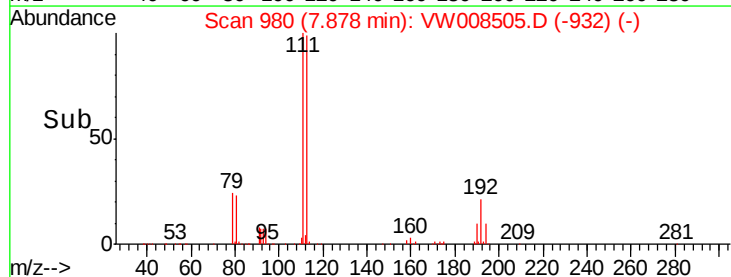
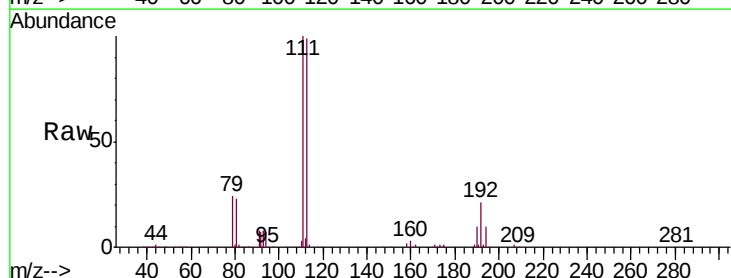
Tgt Ion:113 Resp: 176771

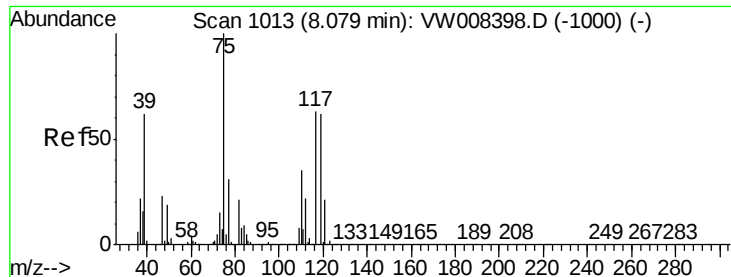
Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

192 21.5 16.8 25.2

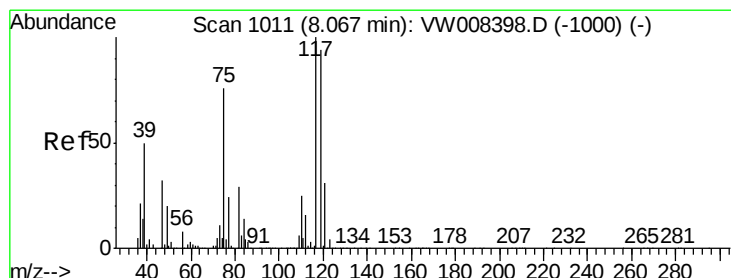
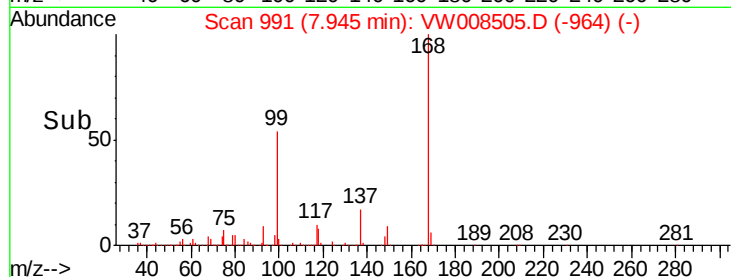
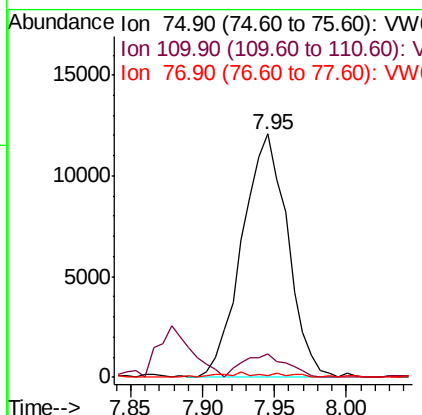
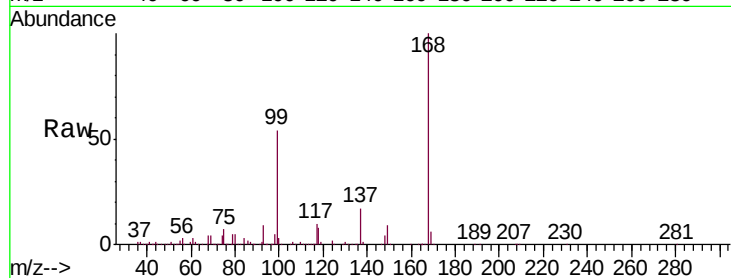




#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008505.D
 Acq: 04 Feb 2019 16:48

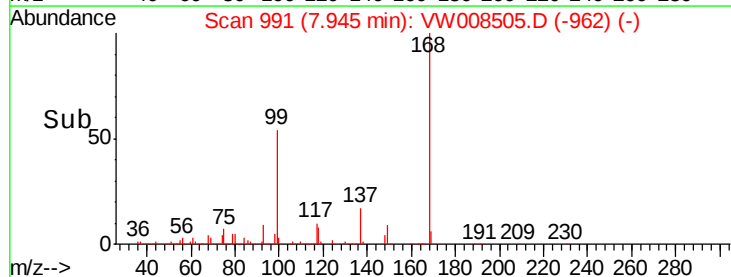
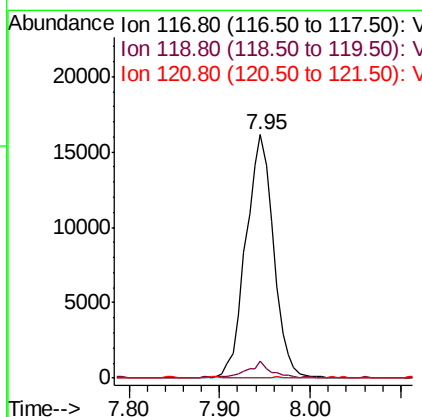
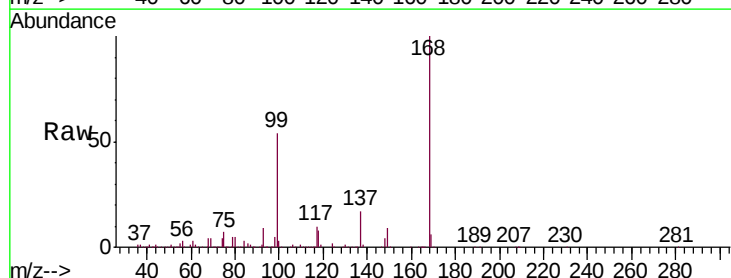
Instrument :
 MSVOA_W
 ClientSampleId :
 0038-AMND-COMP-1

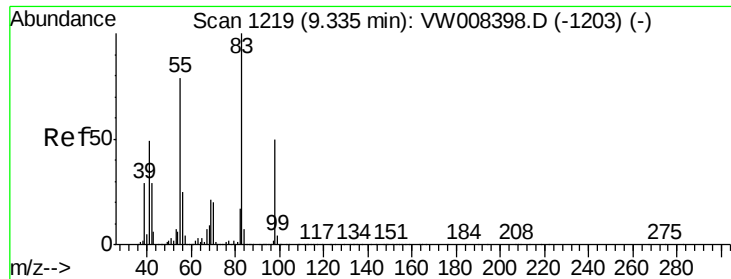
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.3	52.0#
77	0.8	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.111 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW008505.D
 Acq: 04 Feb 2019 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.2	75.0	112.4#
121	0.0	24.9	37.3#





#39

Methylcyclohexane

Concen: 2.976 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW008505.D

Acq: 04 Feb 2019 16:48

Instrument :

MSVOA_W

ClientSampleId :

0038-AMND-COMP-1

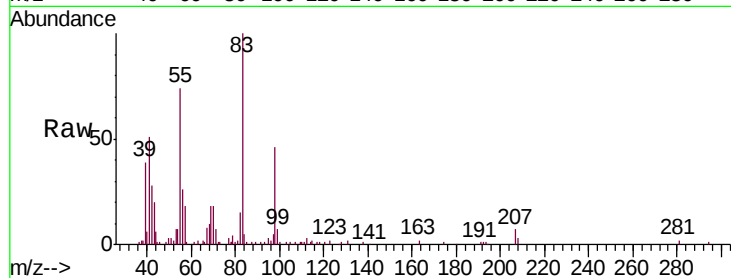
Tgt Ion: 83 Resp: 21755

Ion Ratio Lower Upper

83 100

55 72.0 63.3 94.9

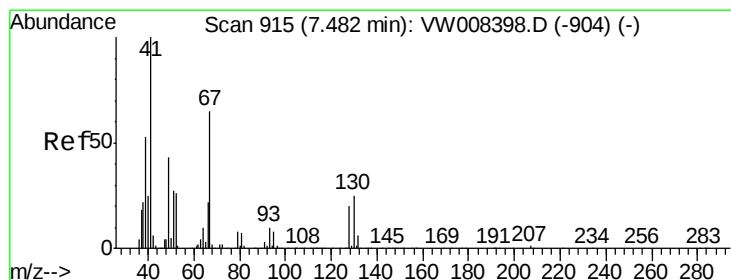
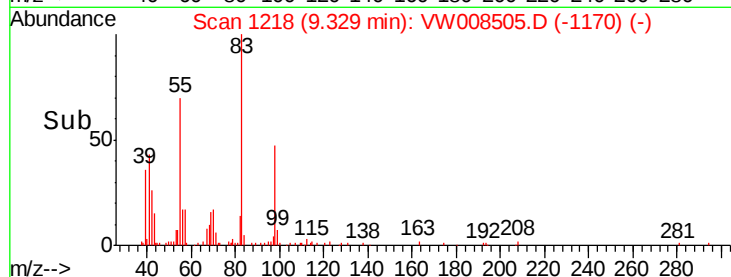
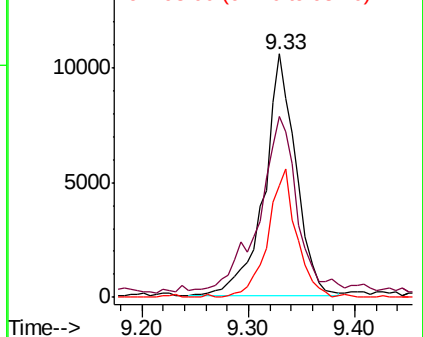
98 46.4 39.7 59.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#41

Methacrylonitrile

Concen: 1.095 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW008505.D

Acq: 04 Feb 2019 16:48

Tgt Ion: 41 Resp: 1596

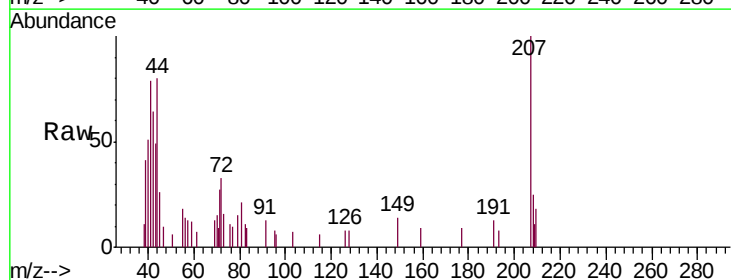
Ion Ratio Lower Upper

41 100

39 15.9 43.4 65.0#

67 0.0 54.2 81.2#

52 0.0 22.9 34.3#



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

