

Data File : VW008551.D
Acq On : 07 Feb 2019 14:35
Operator : SY/VA
Sample : K1390-01
Misc : 5.55G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-01(12-13)

Quant Time: Feb 08 22:33:45 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	271853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	1270662	50.00	ug/l	-0.12

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	162948	61.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.02%	
35) Dibromofluoromethane	7.88	113	135171	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	
50) Toluene-d8	10.35	98	1682887	1310.72	ug/l	0.03
Spiked Amount	50.000		Recovery	=	2621.44%	
62) 4-Bromofluorobenzene	12.62	95	8650007	1752.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3505.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	303	3.433	ug/l #	41
7) Trichlorofluoromethane	3.26	101	139	4.776	ug/l #	51
11) Tert butyl alcohol	4.95	59	5712	26.565	ug/l #	1
13) Acrolein	4.11	56	800831	4154.838	ug/l #	73
15) Acrylonitrile	5.44	53	3376079	5766.992	ug/l #	39
16) Acetone	4.11	43	2355692	3927.820	ug/l #	59
17) Carbon Disulfide	4.38	76	11749	1.478	ug/l #	94
19) Methyl tert-butyl Ether	5.44	73	16126	3.917	ug/l #	1
20) Methylene Chloride	4.96	84	61426	22.221	ug/l #	1
25) 2-Butanone	7.18	43	2766624	3321.137	ug/l #	51
29) Tetrahydrofuran	7.54	42	35016	66.331	ug/l #	36
30) Chloroform	7.63	83	1794189	359.858	ug/l #	19
31) Cyclohexane	8.03	56	1430933	273.005	ug/l #	18
36) 1,1-Dichloropropene	8.07	75	26127	5.051	ug/l #	1
37) Ethyl Acetate	7.18	43	2766624	1208.978	ug/l #	74
38) Carbon Tetrachloride	7.95	117	26833	5.155	ug/l #	20
39) Methylcyclohexane	9.53	83	6447502	948.884	ug/l #	1
40) Benzene	8.26	78	19191	1.337	ug/l #	1
41) Methacrylonitrile	7.53	41	389057	287.126	ug/l #	55
42) 1,2-Dichloroethane	8.45	62	388211	93.334	ug/l #	1
43) Isopropyl Acetate	8.59	43	2658104	559.102	ug/l #	57
45) 1,2-Dichloropropane	9.35	63	1641880	458.795	ug/l #	1
46) Dibromomethane	9.43	93	265189	144.074	ug/l #	1
47) Bromodichloromethane	9.63	83	20658693	4243.299	ug/l #	63
48) Methyl methacrylate	9.53	41	19000816	8173.651	ug/l #	64
49) 1,4-Dioxane	9.43	88	4985	160.225	ug/l #	23
51) 4-Methyl-2-Pentanone	10.29	43	17282011	7357.993	ug/l #	80
52) Toluene	10.35	92	109125	11.518	ug/l #	1
53) t-1,3-Dichloropropene	10.58	75	17782	3.432	ug/l #	1
54) cis-1,3-Dichloropropene	10.13	75	27898	4.745	ug/l #	1
55) 1,1,2-Trichloroethane	10.76	97	3595445	1408.279	ug/l #	30
56) Ethyl methacrylate	10.65	69	5549779	1551.339	ug/l #	30
57) 1,3-Dichloropropane	10.93	76	33727	7.374	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	200042	115.088	ug/l #	47

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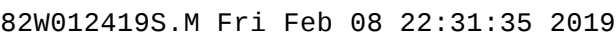
Instrument :
MSVOA_W
ClientSampleId :
SB-01(12-13)

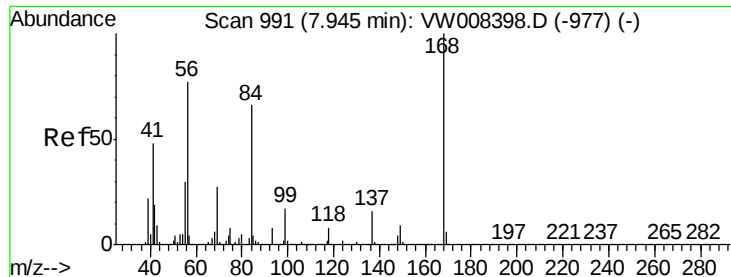
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	10.93	43	1677971	1011.976	ug/l #	26
60) Dibromochloromethane	11.07	129	900337	274.416	ug/l	70
61) 1,2-Dibromoethane	11.23	107	418653	165.378	ug/l #	1
64) Tetrachloroethene	10.87	164	268250	82.512	ug/l #	82
65) Chlorobenzene	11.57	112	675335	68.898	ug/l #	68
67) Ethyl Benzene	11.79	91	1600466	88.828	ug/l #	46
68) m/p-Xylenes	11.85	106	48675	6.963	ug/l #	1
69) o-Xylene	12.23	106	51863	7.808	ug/l #	1
73) Isopropylbenzene	12.48	105	4006300	42.292	ug/l	95
74) N-amyl acetate	12.33	43	1576529	64.601	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.72	83	1876764	125.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.82	75	200352	18.135	ug/l #	1
77) Bromobenzene	12.73	156	143228	6.923	ug/l #	1
78) n-propylbenzene	12.88	91	2624499	23.067	ug/l #	1
79) 2-Chlorotoluene	12.63	91	340992	5.311	ug/l	85
80) 1,3,5-Trimethylbenzene	12.88	105	17062334	215.492	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.48	75	92311	16.503	ug/l #	1
82) 4-Chlorotoluene	12.96	91	249544	3.651	ug/l #	1
83) tert-Butylbenzene	13.26	119	1807522	25.653	ug/l #	57
84) 1,2,4-Trimethylbenzene	13.26	105	14030064	174.332	ug/l	96
85) sec-Butylbenzene	13.38	105	18324705	182.107	ug/l #	19
86) p-Isopropyltoluene	13.51	119	8477289	96.177	ug/l	94
89) n-Butylbenzene	13.82	91	2997195	34.632	ug/l #	14
90) Hexachloroethane	14.11	117	5396067	313.044	ug/l #	10
91) 1,2-Dichlorobenzene	13.91	146	41105	1.112	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.51	75	202327	71.100	ug/l #	12
95) Naphthalene	15.33	128	274970	5.936	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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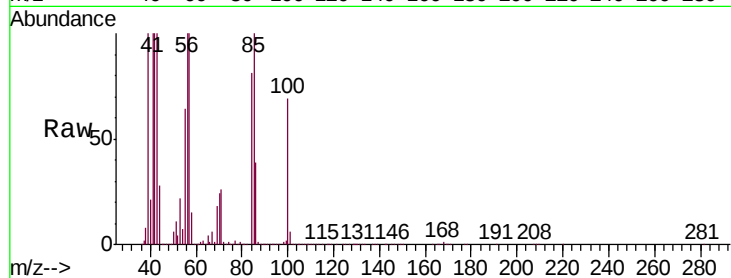
SB-01(12-13)

Tgt Ion:168 Resp: 271853

Ion Ratio Lower Upper

168 100

99 179.5 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

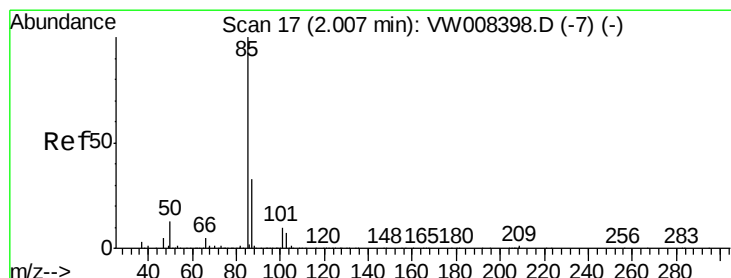
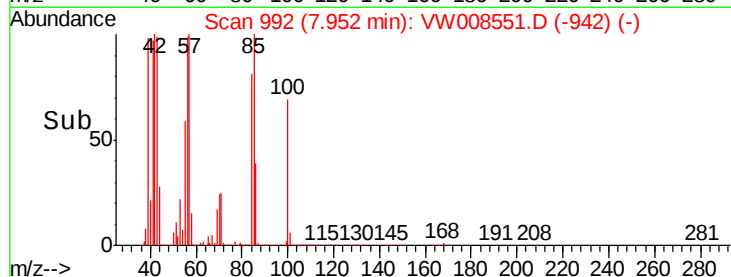
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50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 3.433 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008551.D

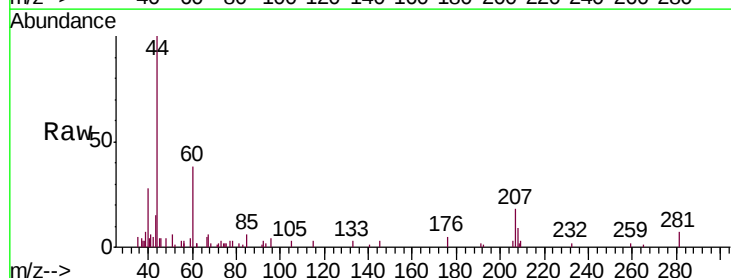
Acq: 07 Feb 2019 14:35

Tgt Ion: 85 Resp: 303

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

250

200

150

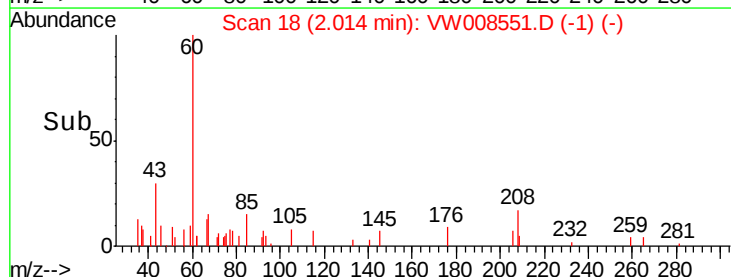
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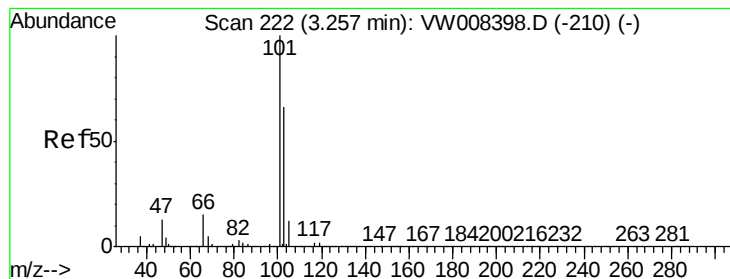
50

0

1.98 2.00 2.02 2.04

Time-->



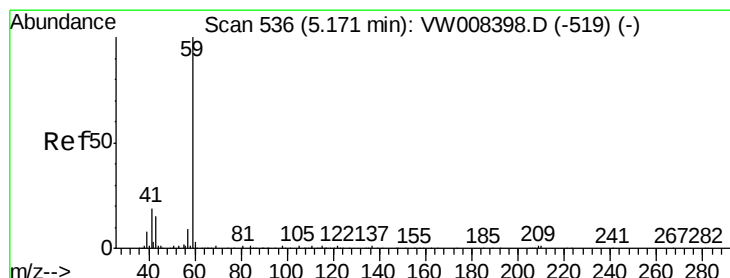
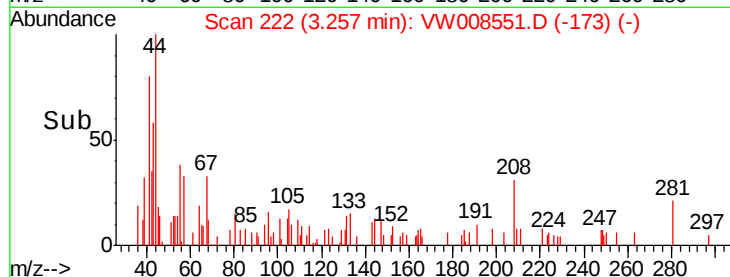
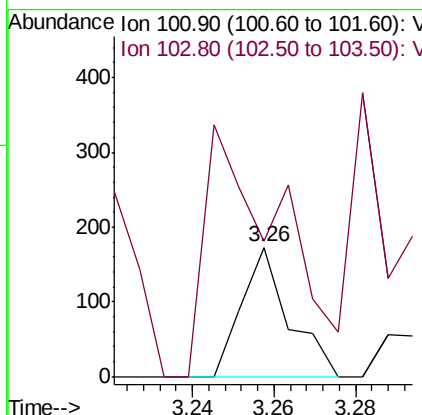
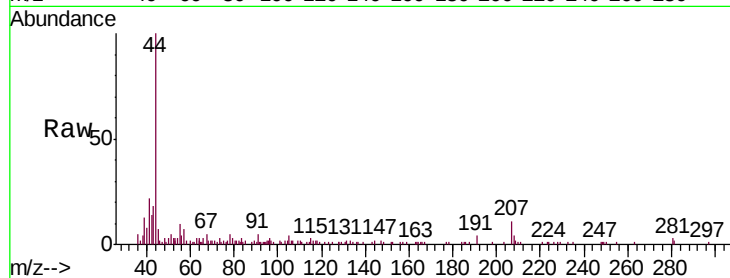


#7

Trichlorofluoromethane
 Concen: 4.776 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008551.D
 Acq: 07 Feb 2019 14:35

Instrument :
 MSVOA_W
 ClientSampled :
 SB-01(12-13)

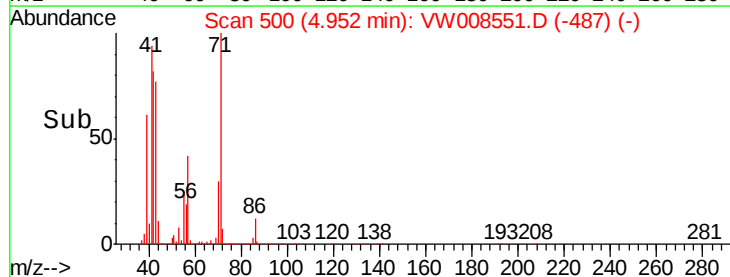
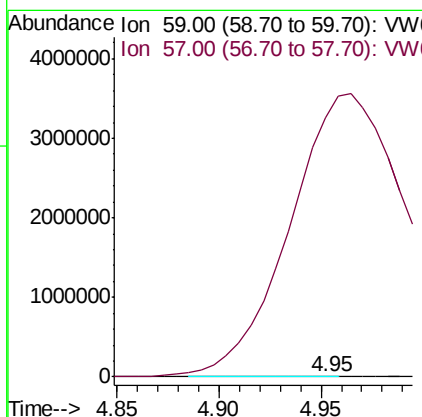
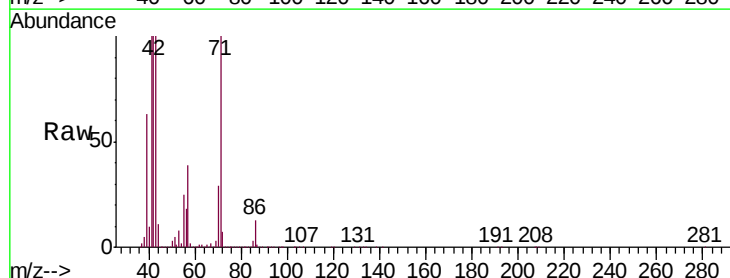
Tgt Ion: 101 Resp: 139
 Ion Ratio Lower Upper
 101 100
 103 104.6 52.5 78.7#

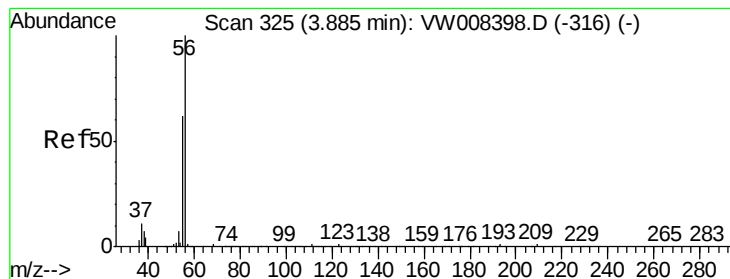


#11

Tert butyl alcohol
 Concen: 26.565 ug/l
 RT: 4.95 min Scan# 500
 Delta R.T. -0.22 min
 Lab File: VW008551.D
 Acq: 07 Feb 2019 14:35

Tgt Ion: 59 Resp: 5712
 Ion Ratio Lower Upper
 59 100
 57 266152.6 9.3 13.9#





#13

Acrolein

Concen: 4154.838 ug/l

RT: 4.11 min Scan# 362

Delta R.T. 0.23 min

Lab File: VW008551.D

Acq: 07 Feb 2019 14:35

Instrument :

MSVOA_W

ClientSampleId :

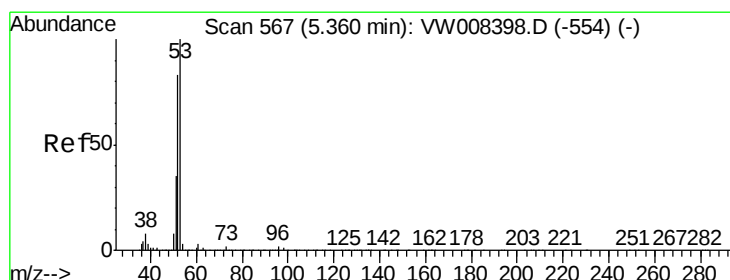
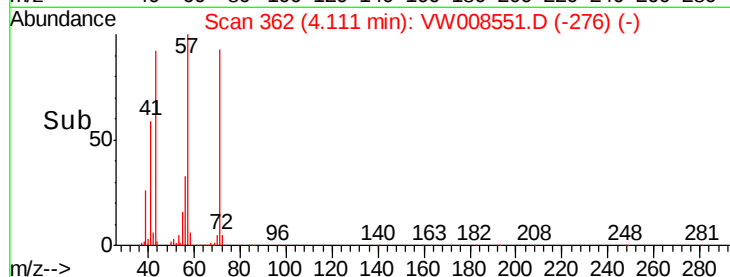
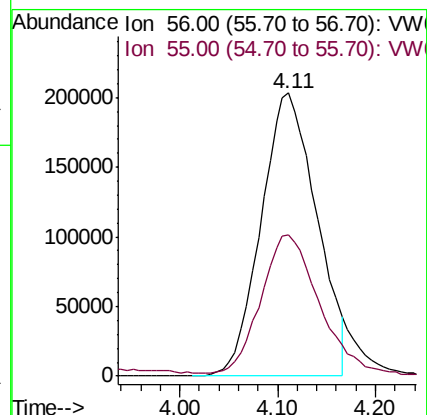
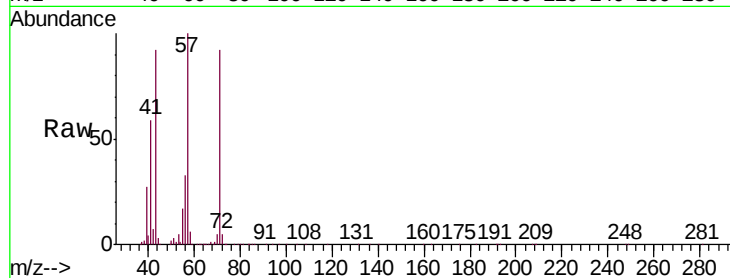
SB-01(12-13)

Tgt Ion: 56 Resp: 800831

Ion Ratio Lower Upper

56 100

55 48.5 56.7 85.1#



#15

Acrylonitrile

Concen: 5766.992 ug/l

RT: 5.44 min Scan# 580

Delta R.T. 0.08 min

Lab File: VW008551.D

Acq: 07 Feb 2019 14:35

Tgt Ion: 53 Resp: 3376079

Ion Ratio Lower Upper

53 100

52 19.8 67.0 100.4#

51 60.8 29.8 44.8#

