

Data File : VW008528.D
Acq On : 06 Feb 2019 15:28
Operator : SY/VA
Sample : K1356-01
Misc : 5.71G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-01-020519-A

Quant Time: Feb 07 01:48:41 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	524647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	854539	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	744864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	316900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	283445	54.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.98%	
35) Dibromofluoromethane	7.88	113	271273	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.32	98	999076	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	338316	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

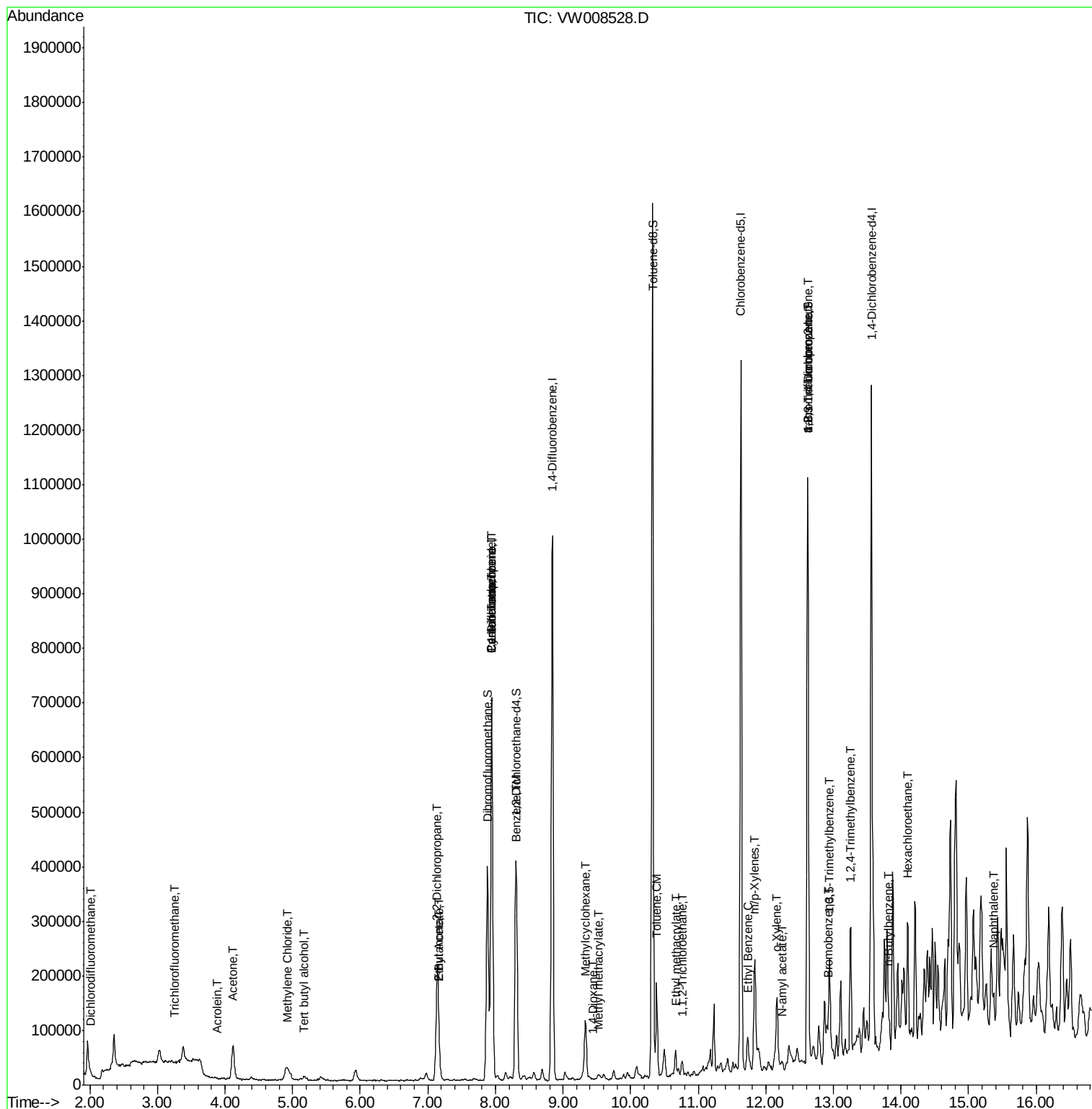
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	175	3.306	ug/l #	41
7) Trichlorofluoromethane	3.25	101	296	4.781	ug/l #	30
11) Tert butyl alcohol	5.17	59	15994	38.543	ug/l #	78
13) Acrolein	3.88	56	572	5.722	ug/l #	35
16) Acetone	4.12	43	107079	92.513	ug/l	99
20) Methylene Chloride	4.92	84	18144	3.401	ug/l	94
25) 2-Butanone	7.17	43	21226	13.203	ug/l #	80
26) 2,2-Dichloropropane	7.14	77	14469	2.188	ug/l #	54
31) Cyclohexane	7.95	56	30622	3.027	ug/l #	66
36) 1,1-Dichloropropene	7.94	75	37159	4.603	ug/l #	51
37) Ethyl Acetate	7.17	43	21226	5.943	ug/l #	72
38) Carbon Tetrachloride	7.95	117	49061	6.040	ug/l #	17
39) Methylcyclohexane	9.34	83	45452	4.286	ug/l	97
40) Benzene	8.32	78	52506	2.344	ug/l #	89
48) Methyl methacrylate	9.52	41	4443	1.225	ug/l #	40
49) 1,4-Dioxane	9.45	88	117	2.410	ug/l #	23
52) Toluene	10.38	92	72076	4.875	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	10237	2.569	ug/l #	19
56) Ethyl methacrylate	10.66	69	5627	1.008	ug/l #	5
67) Ethyl Benzene	11.73	91	38013	1.360	ug/l	97
68) m/p-Xylenes	11.84	106	57685	5.319	ug/l	94
69) o-Xylene	12.16	106	35063	3.403	ug/l	91
74) N-amyl acetate	12.24	43	7477	1.228	ug/l #	42
76) 1,2,3-Trichloropropane	12.62	75	174613	63.375	ug/l #	1
77) Bromobenzene	12.91	156	34553	6.697	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	60279	3.053	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	174613	125.171	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	135518	6.752	ug/l	100
89) n-Butylbenzene	13.82	91	26307	1.219	ug/l #	82
90) Hexachloroethane	14.10	117	10973	2.552	ug/l #	10
95) Naphthalene	15.37	128	17655	1.528	ug/l #	92

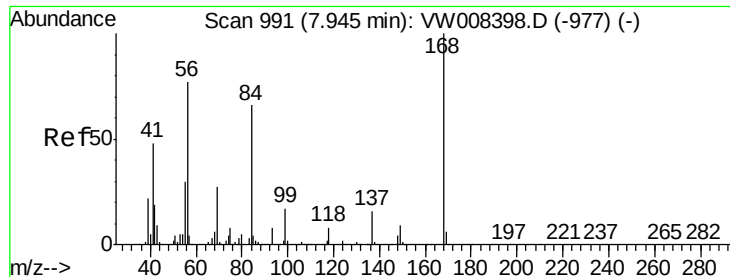
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008528.D

Acq: 06 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

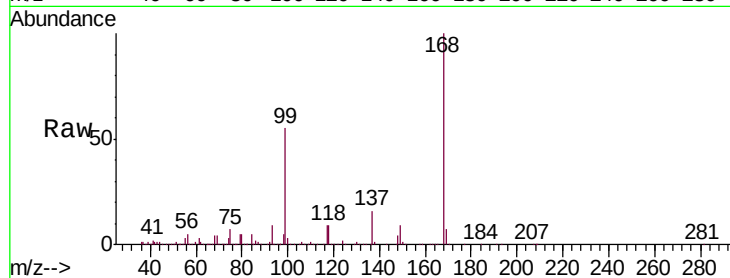
SU-01-020519-A

Tgt Ion:168 Resp: 524647

Ion Ratio Lower Upper

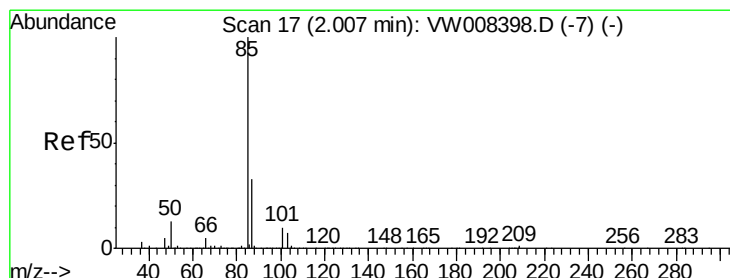
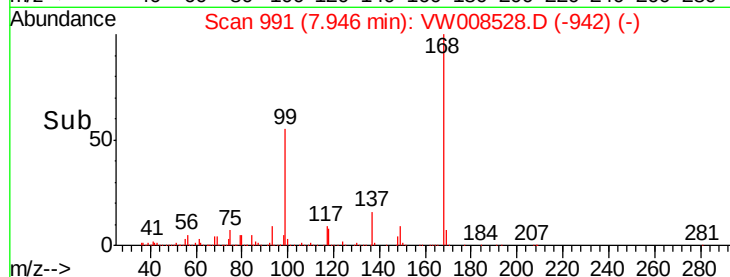
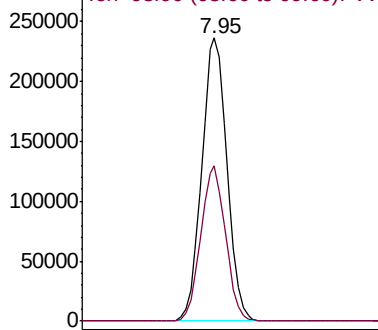
168 100

99 54.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 3.306 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008528.D

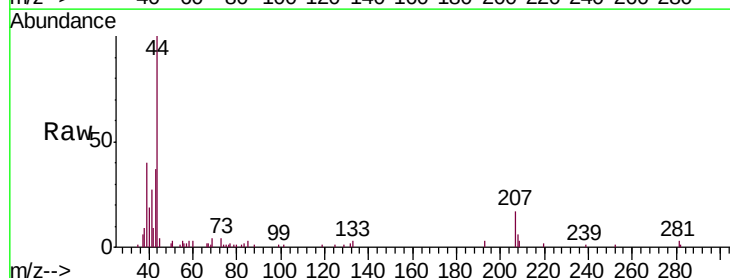
Acq: 06 Feb 2019 15:28

Tgt Ion: 85 Resp: 175

Ion Ratio Lower Upper

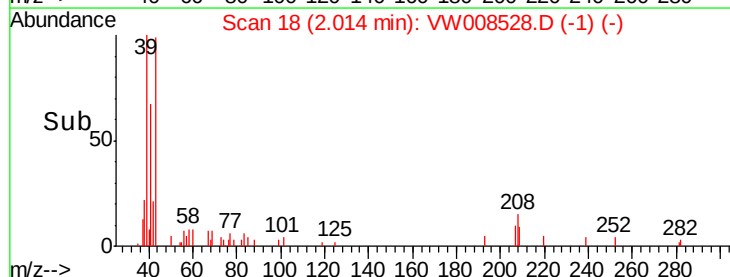
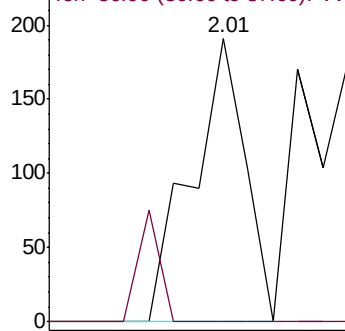
85 100

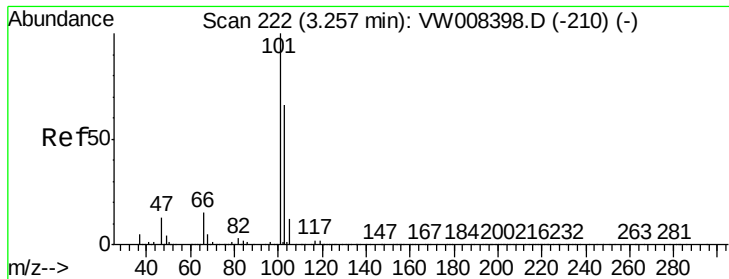
87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW



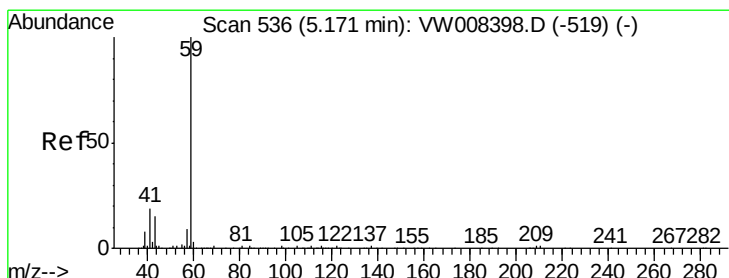
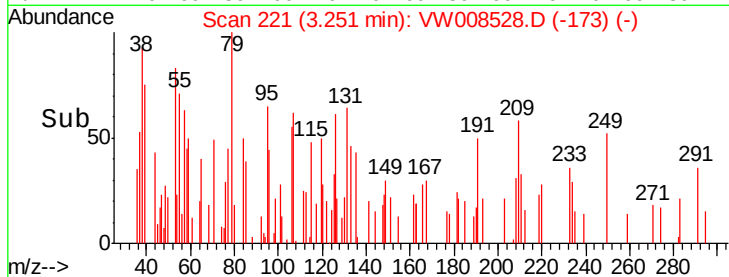
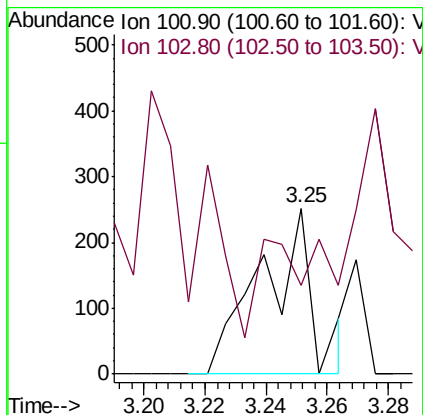
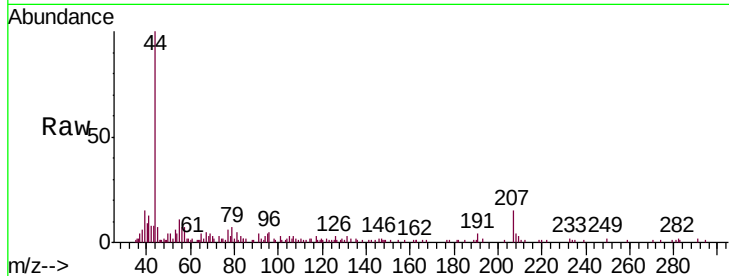


#7

Trichlorofluoromethane
 Concen: 4.781 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008528.D
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Instrument :
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 SU-01-020519-A

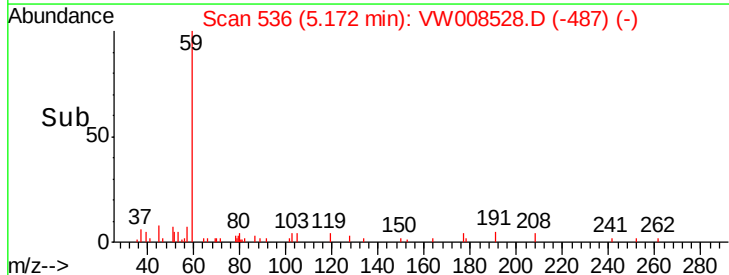
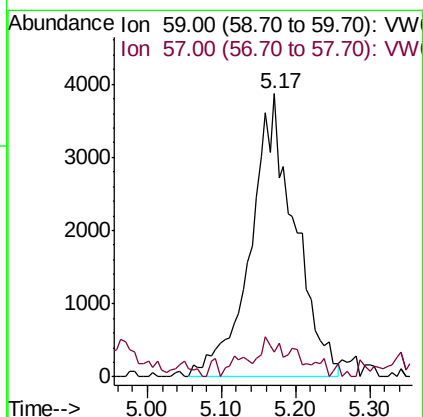
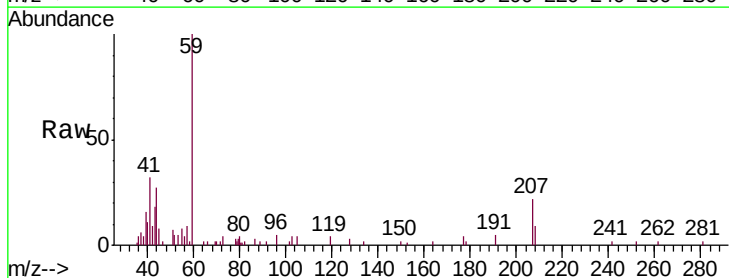
Tgt Ion:101 Resp: 296
 Ion Ratio Lower Upper
 101 100
 103 9.9 52.5 78.7#

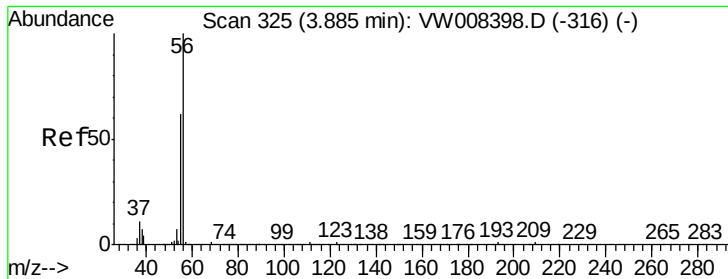


#11

Tert butyl alcohol
 Concen: 38.543 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008528.D
 Acq: 06 Feb 2019 15:28

Tgt Ion: 59 Resp: 15994
 Ion Ratio Lower Upper
 59 100
 57 3.2 9.3 13.9#





#13

Acrolein

Concen: 5.722 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW008528.D

Acq: 06 Feb 2019 15:28

Instrument :

MSVOA_W

ClientSampleId :

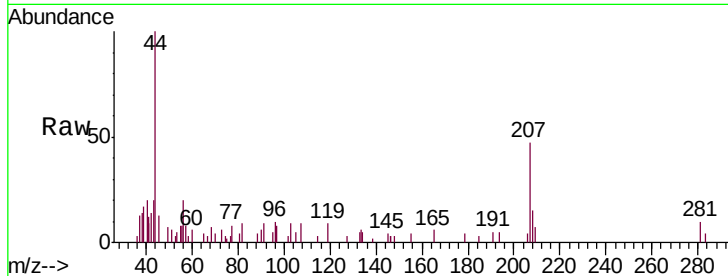
SU-01-020519-A

Tgt Ion: 56 Resp: 572

Ion Ratio Lower Upper

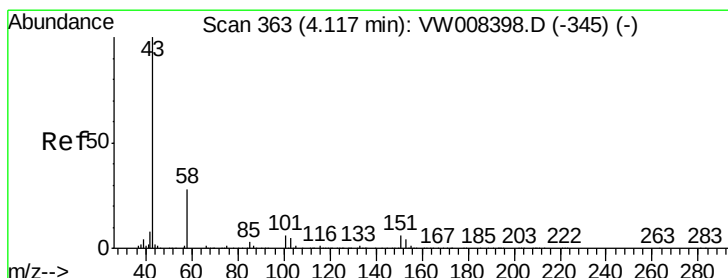
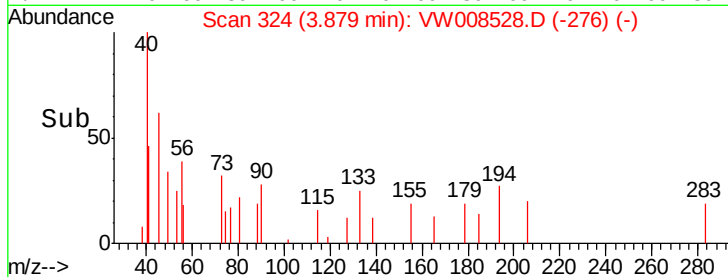
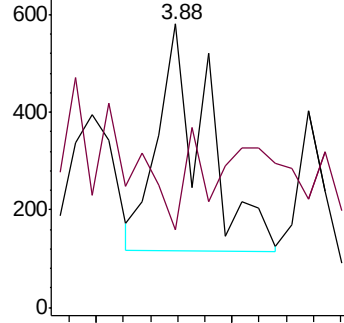
56 100

55 17.3 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 92.513 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008528.D

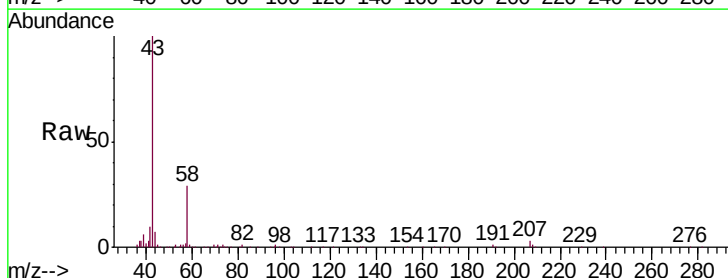
Acq: 06 Feb 2019 15:28

Tgt Ion: 43 Resp: 107079

Ion Ratio Lower Upper

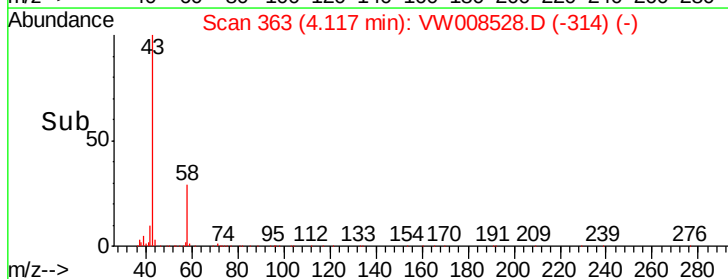
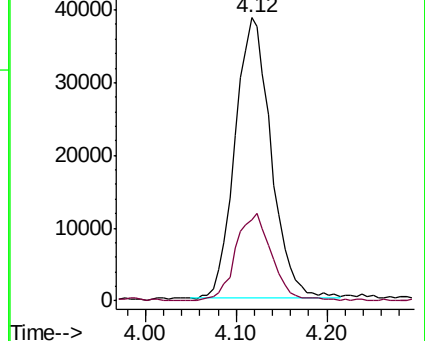
43 100

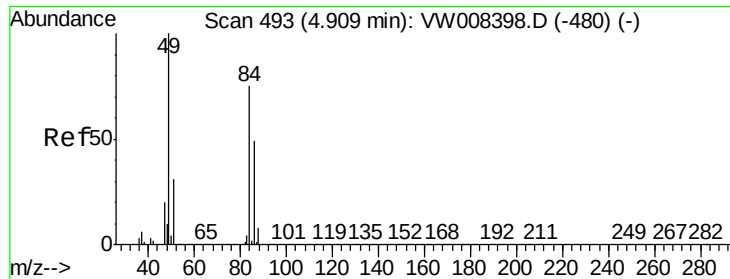
58 28.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

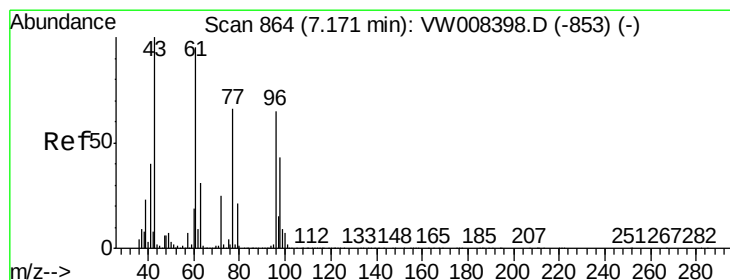
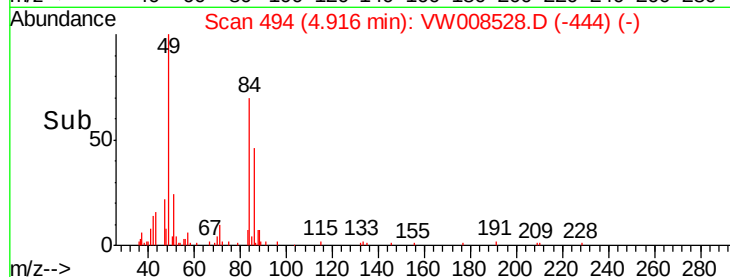
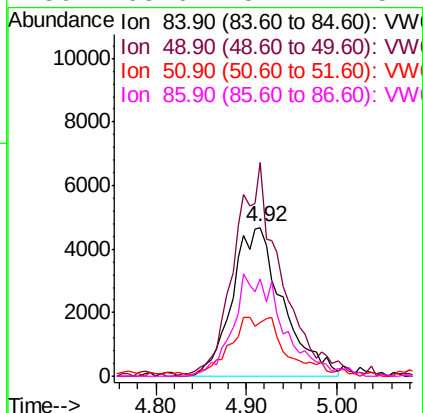
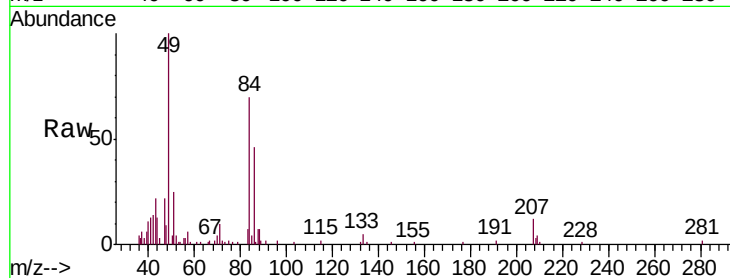




#20
Methylene Chloride
Concen: 3.401 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

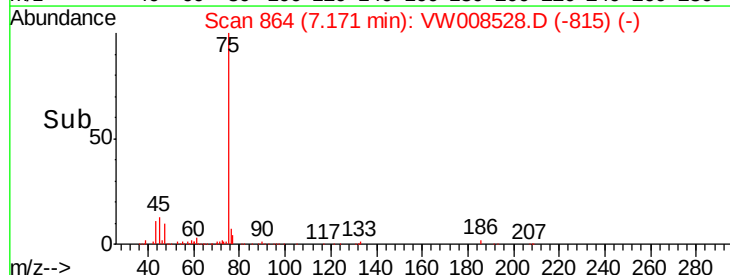
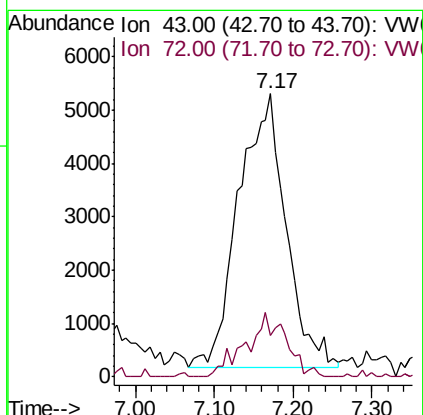
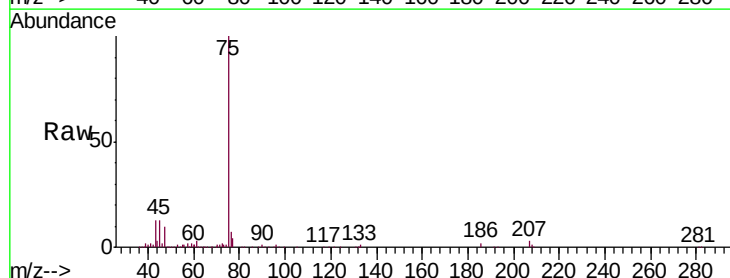
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SU-01-020519-A

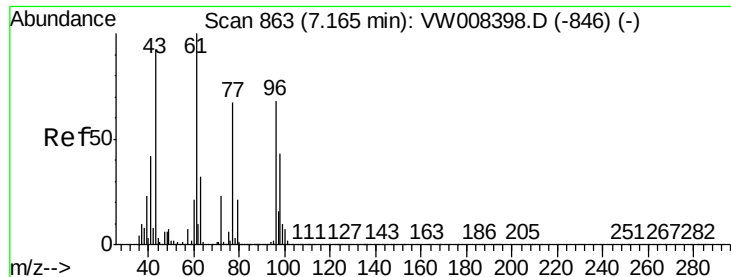
Tgt Ion:	84	Resp:	18144
Ion	Ratio	Lower	Upper
84	100		
49	141.8	106.8	160.2
51	35.2	32.9	49.3
86	65.6	52.2	78.2



#25
2-Butanone
Concen: 13.203 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

Tgt Ion:	43	Resp:	21226
Ion	Ratio	Lower	Upper
43	100		
72	15.2	20.1	30.1#

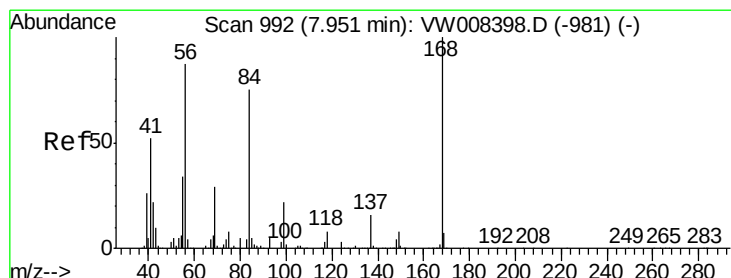
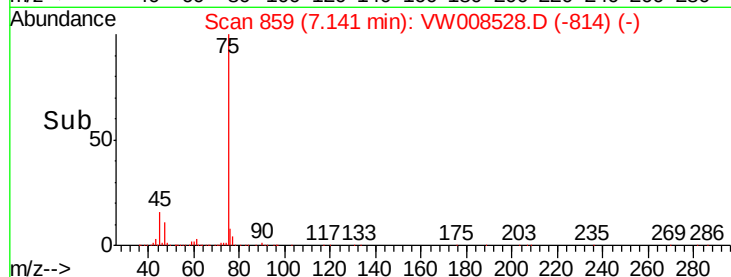
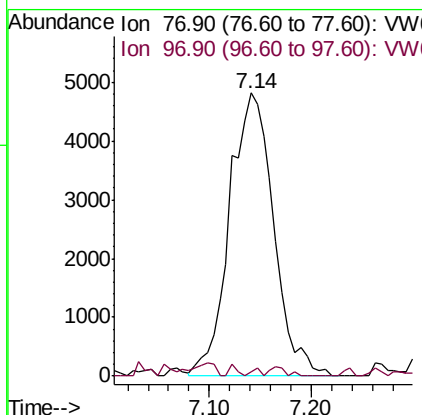
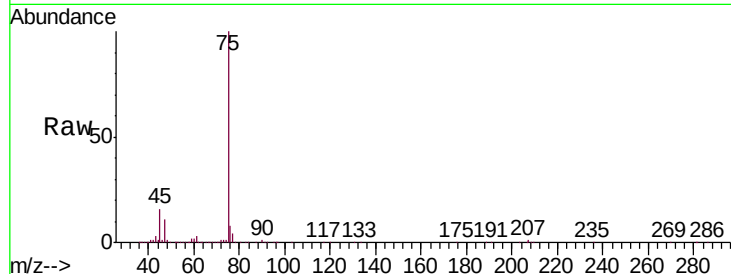




#26
2,2-Dichloropropane
Concen: 2.188 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

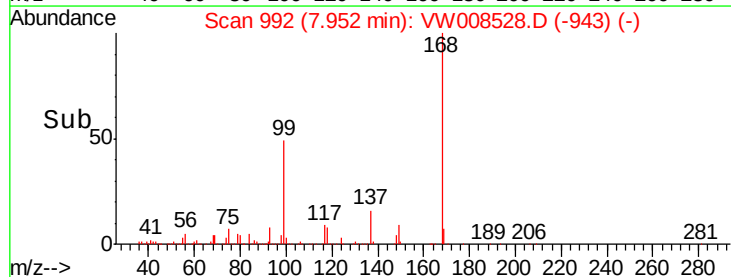
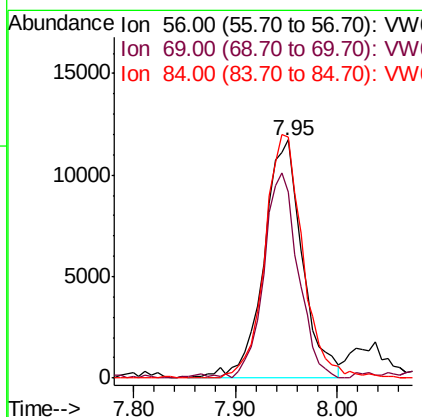
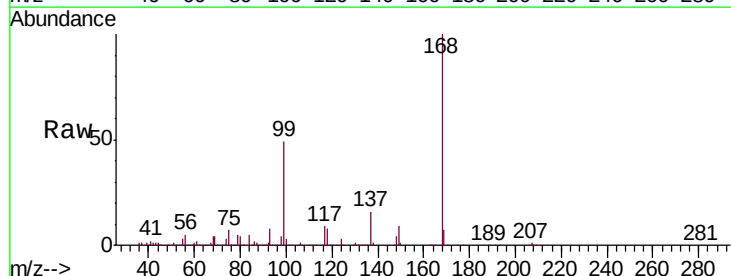
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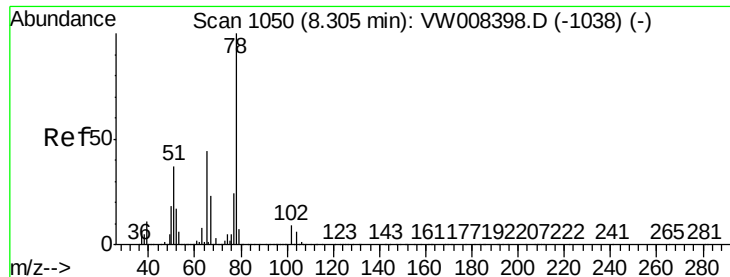
Tgt Ion: 77 Resp: 14469
Ion Ratio Lower Upper
77 100
97 0.6 11.5 34.5#



#31
Cyclohexane
Concen: 3.027 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

Tgt Ion: 56 Resp: 30622
Ion Ratio Lower Upper
56 100
69 78.3 26.4 39.6#
84 101.4 69.1 103.7

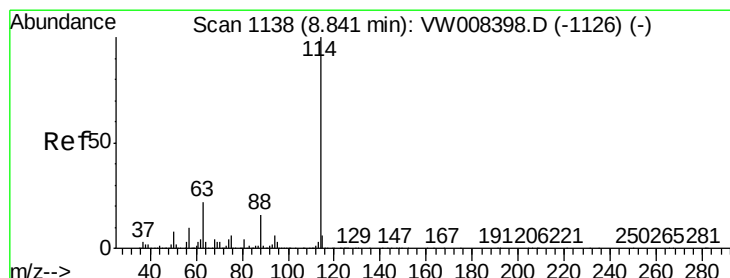
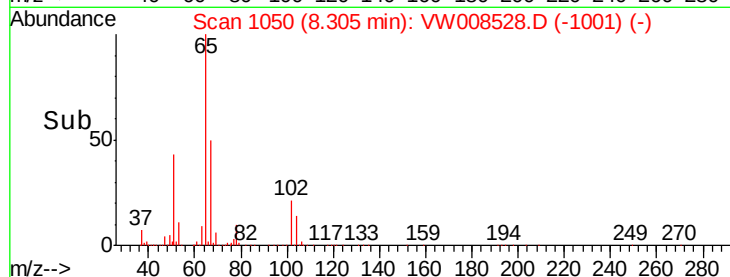
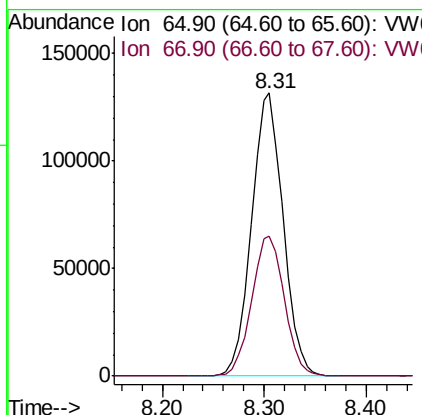
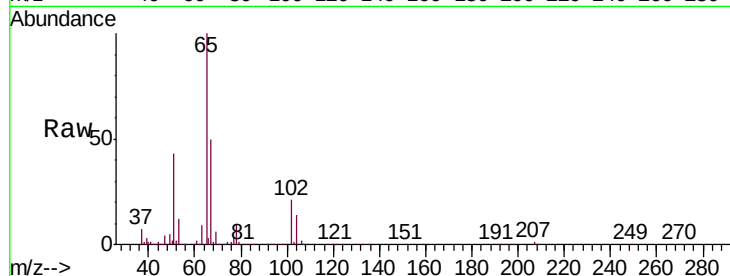




#33
 1,2-Dichloroethane-d4
 Concen: 54.993 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008528.D
 Acq: 06 Feb 2019 15:28

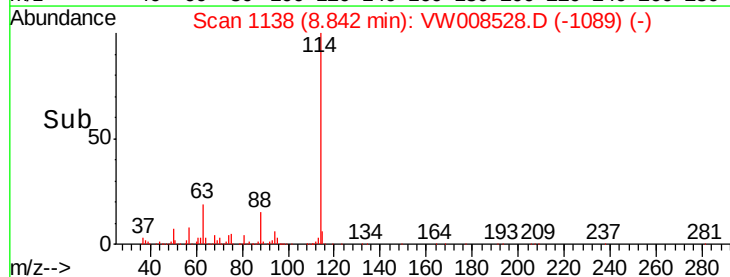
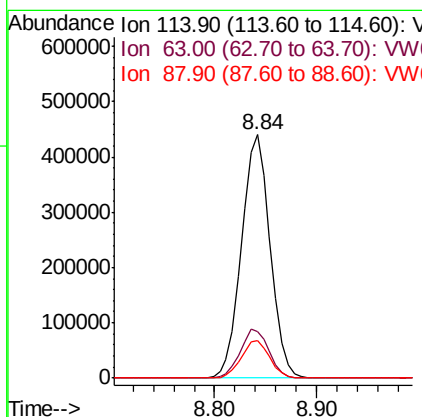
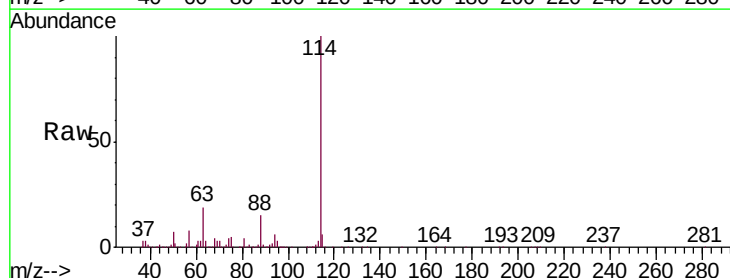
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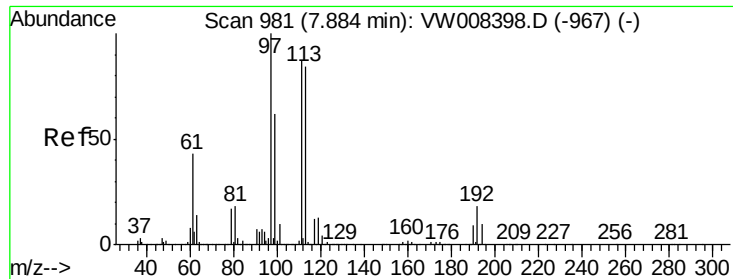
Tgt Ion: 65 Resp: 283445
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008528.D
 Acq: 06 Feb 2019 15:28

Tgt Ion: 114 Resp: 854539
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.2 0.0 31.8

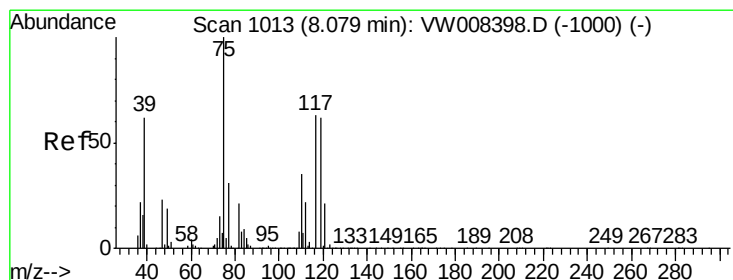
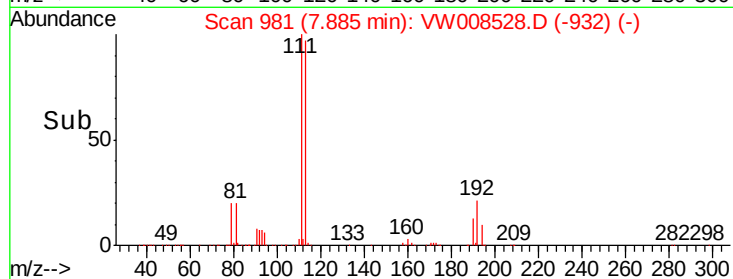
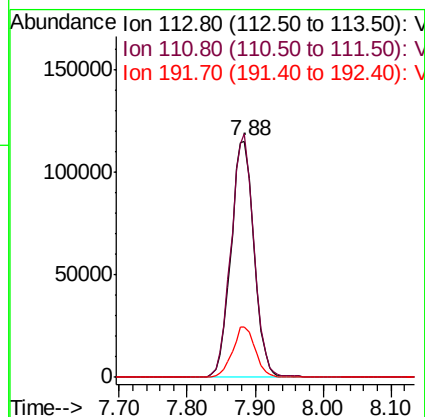
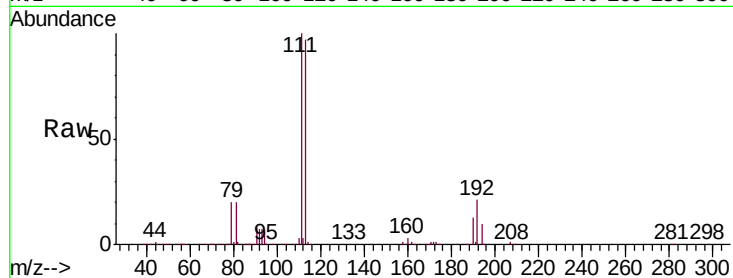




#35
 Dibromofluoromethane
 Concen: 54.290 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008528.D
 Acq: 06 Feb 2019 15:28

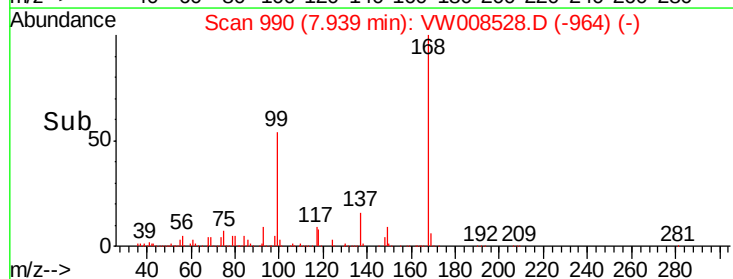
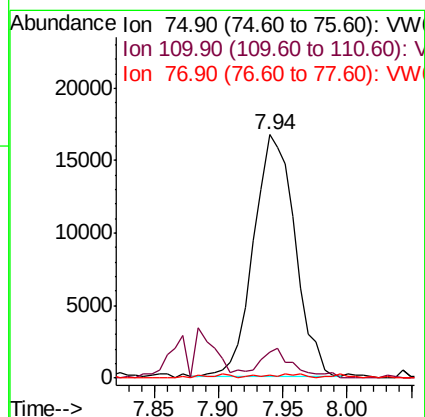
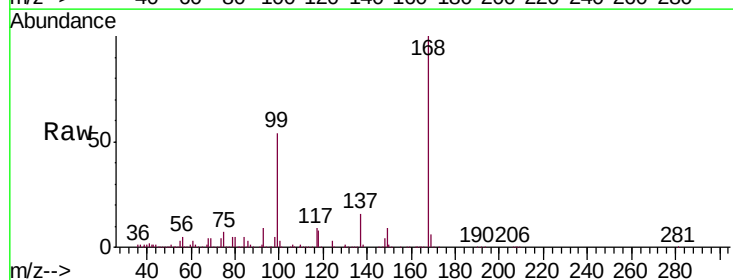
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 ClientSampleId :
 SU-01-020519-A

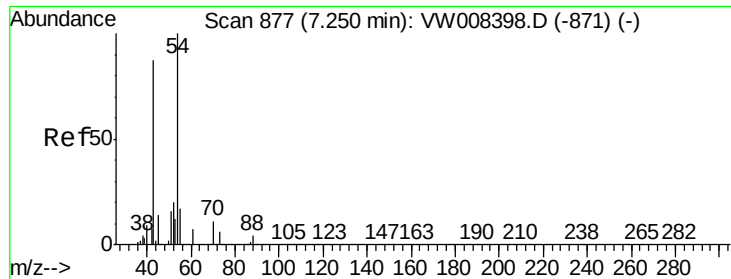
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.4
192	21.1	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW008528.D
 Acq: 06 Feb 2019 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.3	52.0#
77	0.0	24.7	37.1#

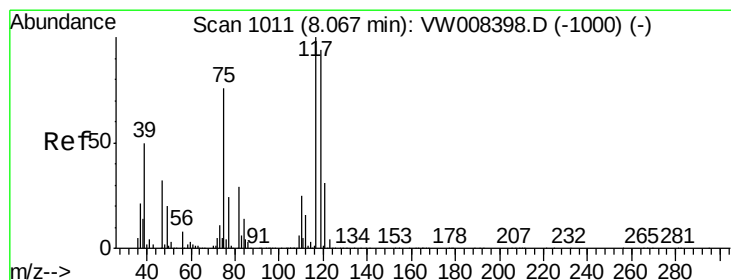
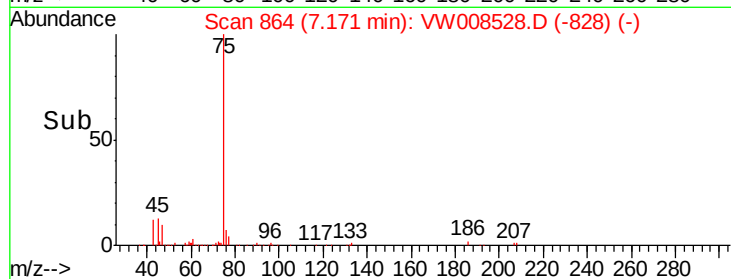
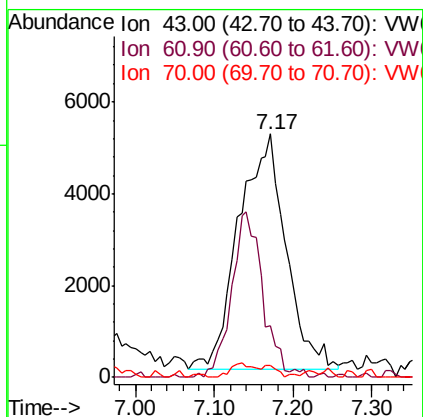
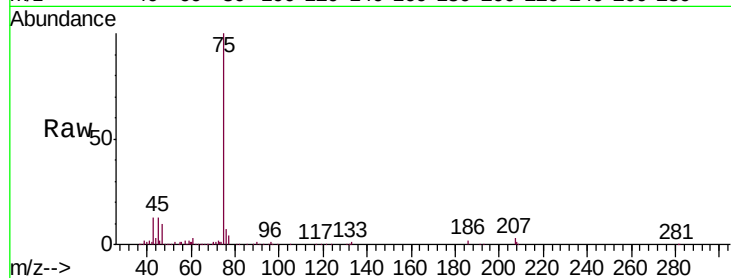




#37
Ethyl Acetate
Concen: 5.943 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

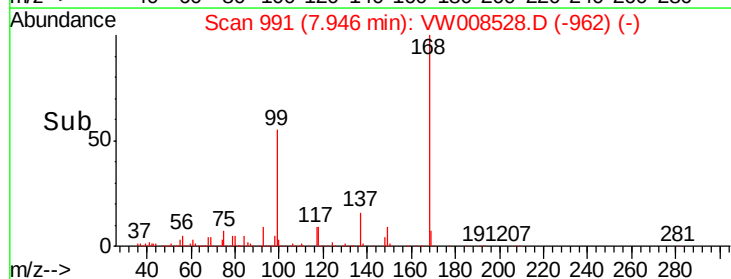
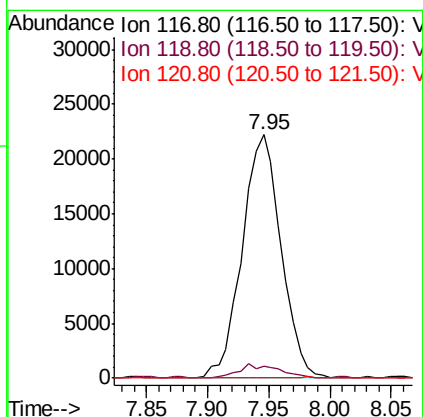
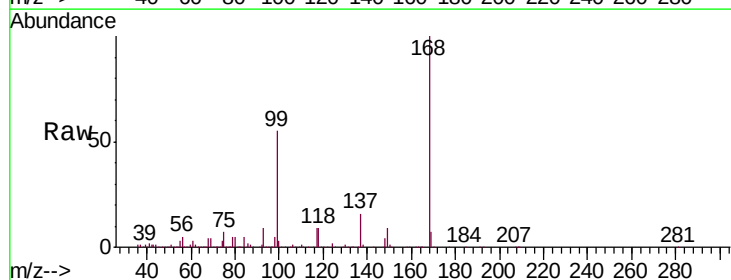
Instrument :
MSVOA_W
ClientSampleId :
SU-01-020519-A

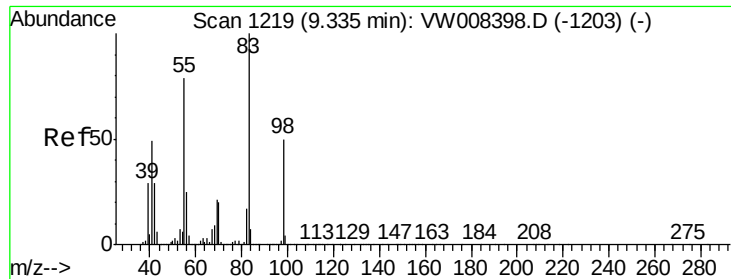
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	1.4	7.8	11.6#



#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.0	112.4#
121	0.0	24.9	37.3#

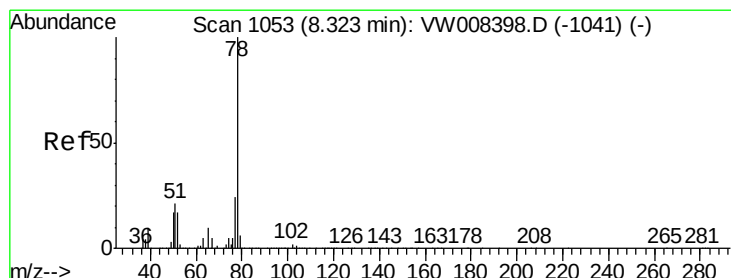
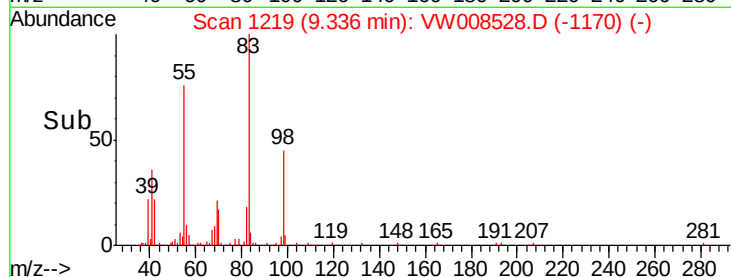
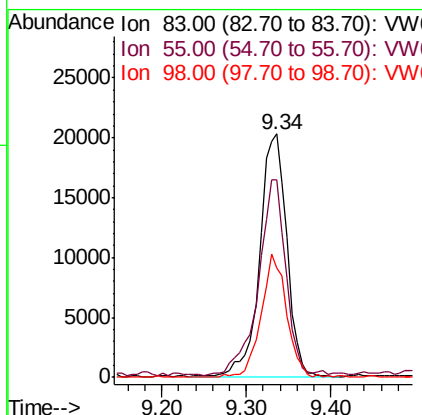
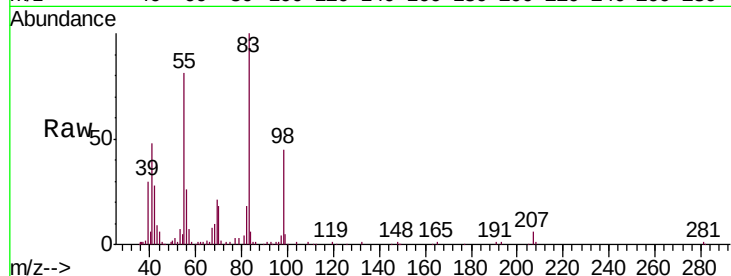




#39
Methylcyclohexane
Concen: 4.286 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

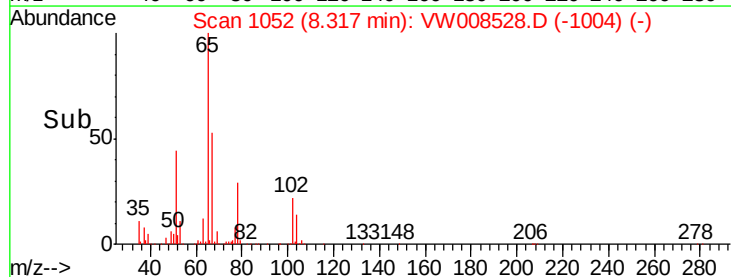
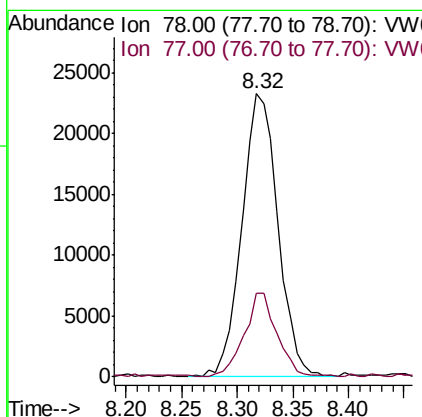
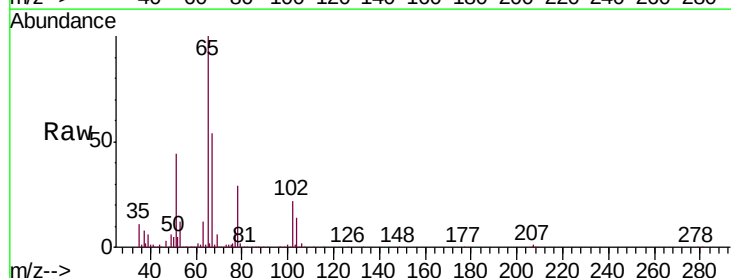
Instrument :
MSVOA_W
ClientSampleId :
SU-01-020519-A

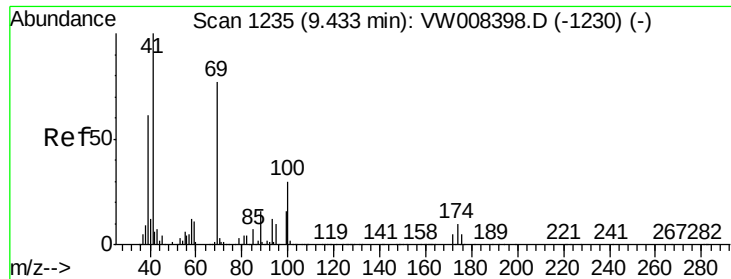
Tgt Ion: 83 Resp: 45452
Ion Ratio Lower Upper
83 100
55 79.4 63.3 94.9
98 44.8 39.7 59.5



#40
Benzene
Concen: 2.344 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

Tgt Ion: 78 Resp: 52506
Ion Ratio Lower Upper
78 100
77 29.4 19.0 28.6#

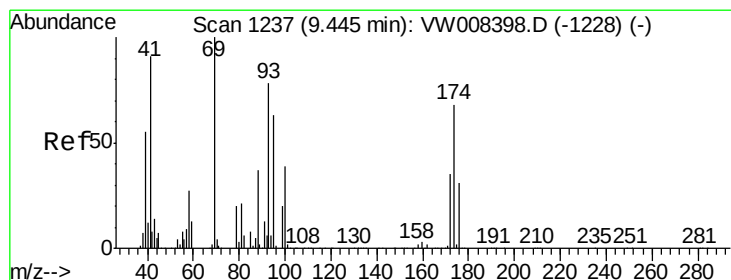
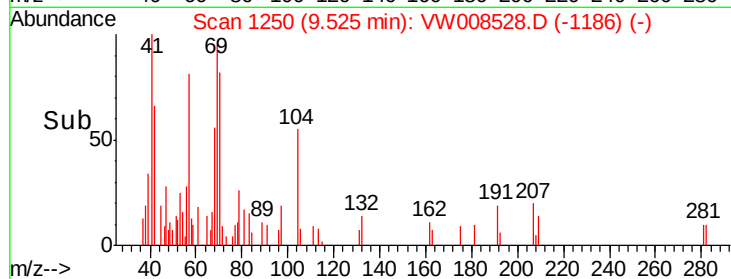
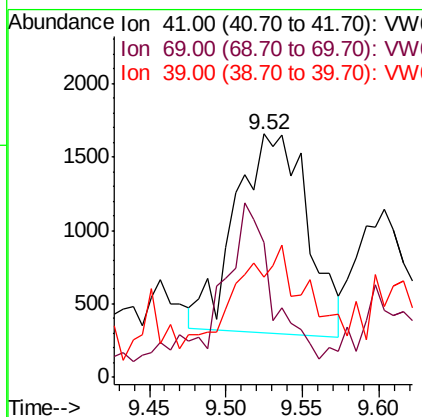
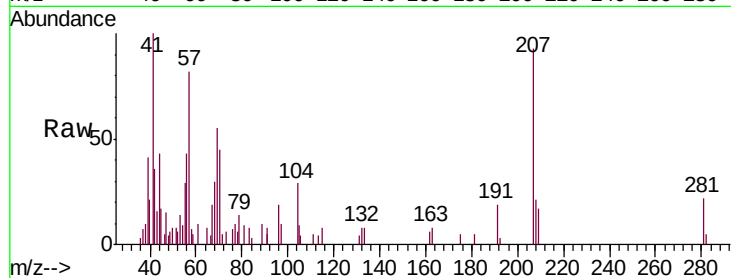




#48
Methyl methacrylate
Concen: 1.225 ug/l
RT: 9.52 min Scan# 1250
Delta R.T. 0.09 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

Instrument :
MSVOA_W
ClientSampleId :
SU-01-020519-A

Tgt Ion: 41 Resp: 4443
Ion Ratio Lower Upper
41 100
69 0.0 64.8 97.2#
39 46.7 49.1 73.7#



#49
1,4-Dioxane
Concen: 2.410 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008528.D
Acq: 06 Feb 2019 15:28

Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 0.0 56.4 84.6#

