

Data File : VW008527.D
Acq On : 06 Feb 2019 15:01
Operator : SY/VA
Sample : K1358-01
Misc : 6.83G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-05-020519

Quant Time: Feb 07 01:48:23 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	572962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	918394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	813813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	363716	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	313775	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.88	113	292138	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
50) Toluene-d8	10.32	98	1092660	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.62	95	390797	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

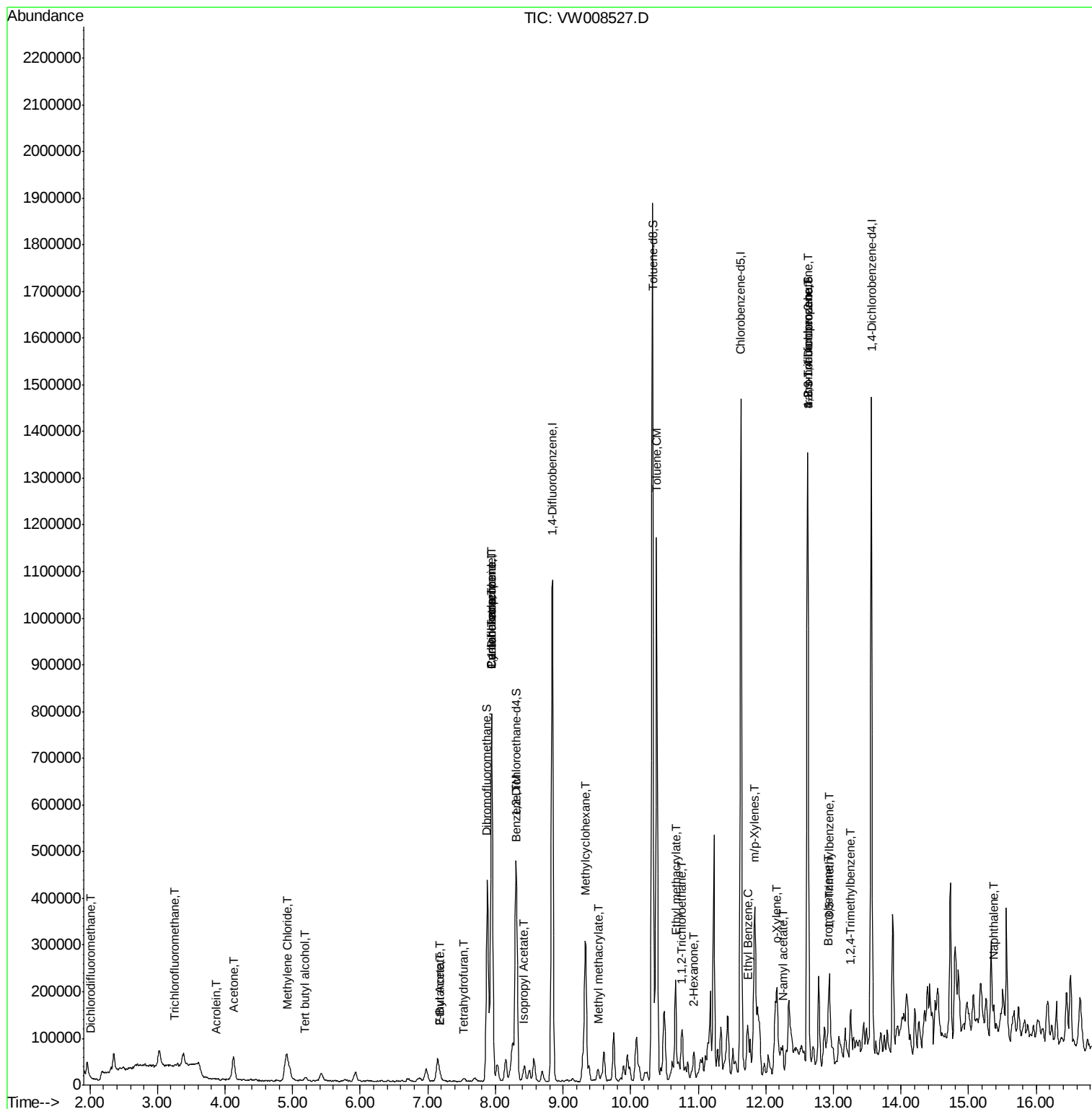
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.02	85	582	3.417	ug/l #	41
7) Trichlorofluoromethane	3.25	101	804	4.865	ug/l #	37
11) Tert butyl alcohol	5.18	59	6746	14.886	ug/l #	73
13) Acrolein	3.87	56	691	5.885	ug/l #	68
16) Acetone	4.13	43	85769	67.853	ug/l	96
20) Methylene Chloride	4.92	84	43696	7.500	ug/l	89
25) 2-Butanone	7.18	43	16549	9.426	ug/l #	81
29) Tetrahydrofuran	7.53	42	5096	4.580	ug/l	93
31) Cyclohexane	7.95	56	44388	4.018	ug/l #	78
36) 1,1-Dichloropropene	7.95	75	40447	4.662	ug/l #	52
37) Ethyl Acetate	7.18	43	16549	4.312	ug/l #	70
38) Carbon Tetrachloride	7.95	117	52019	5.959	ug/l #	16
39) Methylcyclohexane	9.34	83	128836	11.305	ug/l	95
40) Benzene	8.32	78	104025	4.321	ug/l	99
43) Isopropyl Acetate	8.41	43	9157	1.148	ug/l #	55
48) Methyl methacrylate	9.52	41	6349	1.628	ug/l #	51
52) Toluene	10.38	92	486281	30.601	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	39305	9.179	ug/l #	20
56) Ethyl methacrylate	10.66	69	20591	3.432	ug/l #	1
59) 2-Hexanone	10.94	43	23579	8.479	ug/l #	32
67) Ethyl Benzene	11.73	91	50597	1.657	ug/l	99
68) m/p-Xylenes	11.84	106	92100	7.773	ug/l	97
69) o-Xylene	12.16	106	40009	3.554	ug/l	95
74) N-amyl acetate	12.25	43	14779	2.116	ug/l #	45
76) 1,2,3-Trichloropropane	12.62	75	194650	61.554	ug/l #	1
77) Bromobenzene	12.92	156	18257	3.083	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	22929	1.012	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	194650	121.574	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	55004	2.388	ug/l	99
95) Naphthalene	15.37	128	57401	4.329	ug/l #	96

(#) = 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: VW008527.D

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Instrument :

MSVOA_W

ClientSampleId :

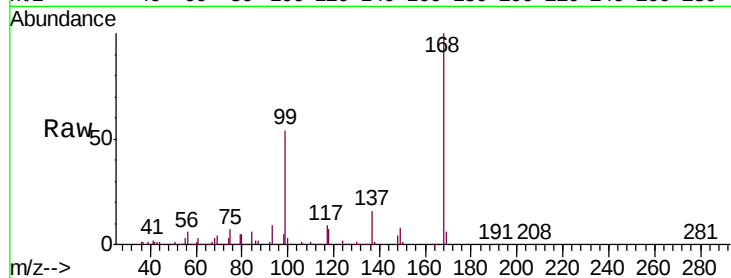
TR-05-020519

Tgt Ion:168 Resp: 572962

Ion Ratio Lower Upper

168 100

99 53.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

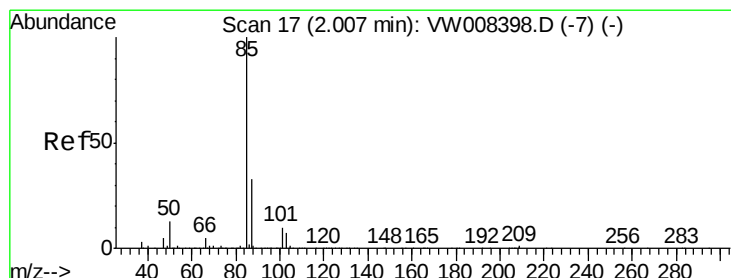
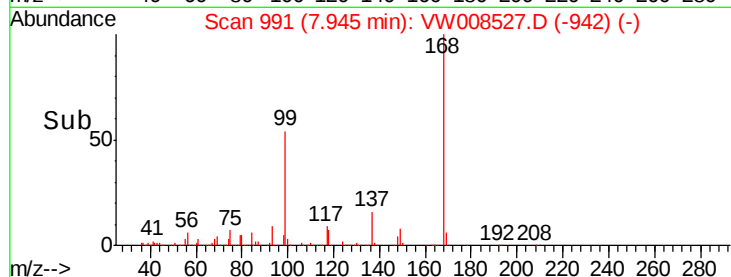
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 3.417 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW008527.D

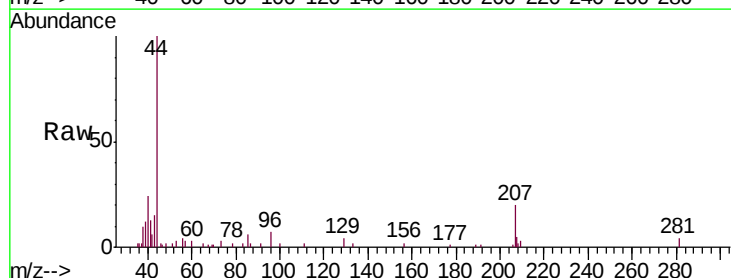
Acq: 06 Feb 2019 15:01

Tgt Ion: 85 Resp: 582

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

2.02

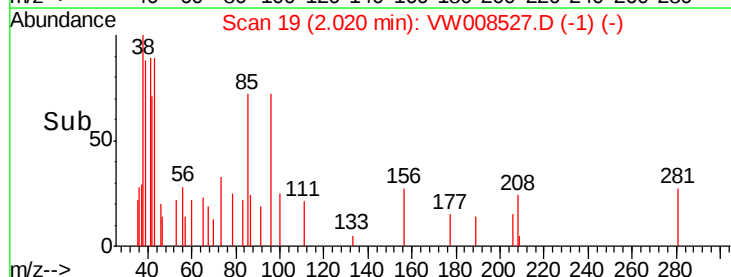
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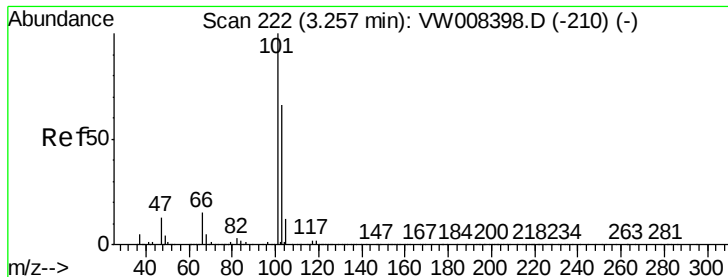
200

100

0

Time--> 1.95 2.00 2.05



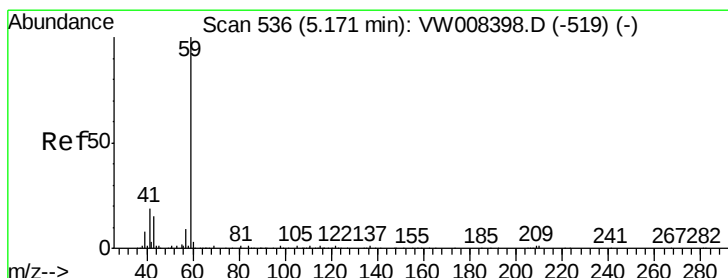
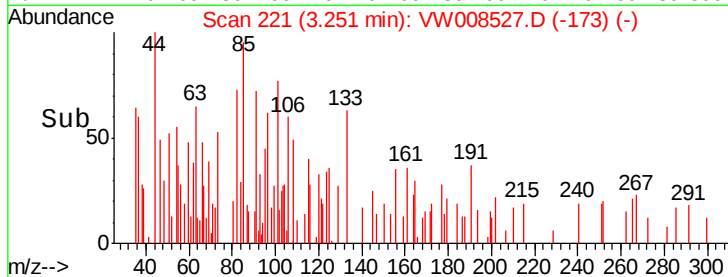
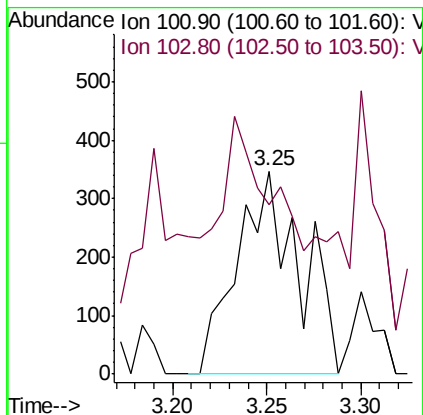
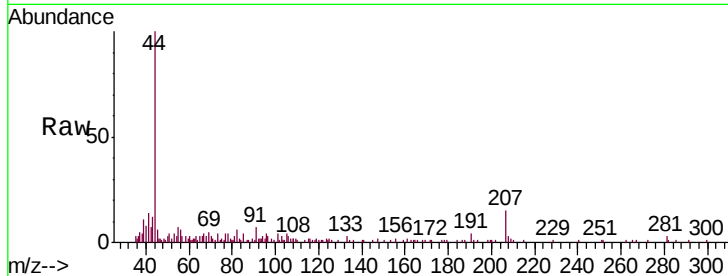


#7

Trichlorofluoromethane
 Concen: 4.865 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008527.D
 Acq: 06 Feb 2019 15:01

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-05-020519

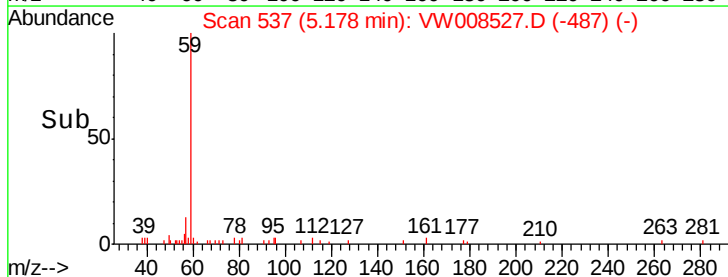
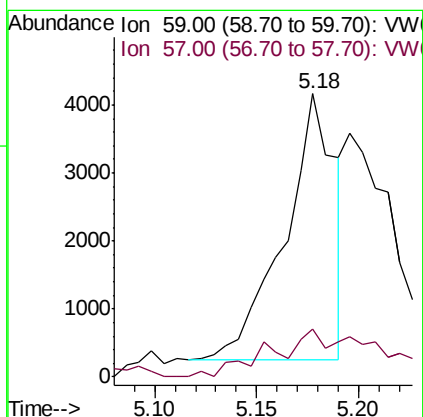
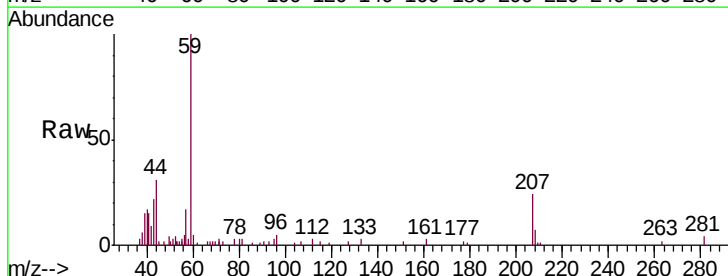
Tgt Ion: 101 Resp: 804
 Ion Ratio Lower Upper
 101 100
 103 15.9 52.5 78.7#

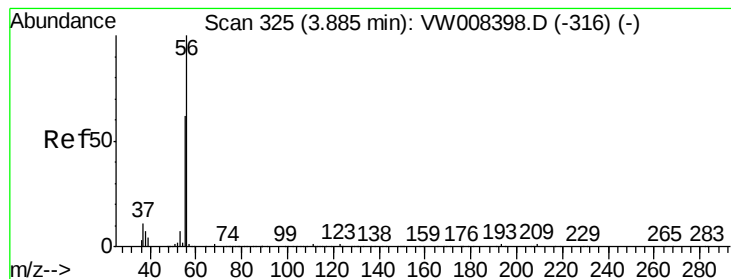


#11

Tert butyl alcohol
 Concen: 14.886 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW008527.D
 Acq: 06 Feb 2019 15:01

Tgt Ion: 59 Resp: 6746
 Ion Ratio Lower Upper
 59 100
 57 21.9 9.3 13.9#





#13

Acrolein

Concen: 5.885 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008527.D

Acq: 06 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

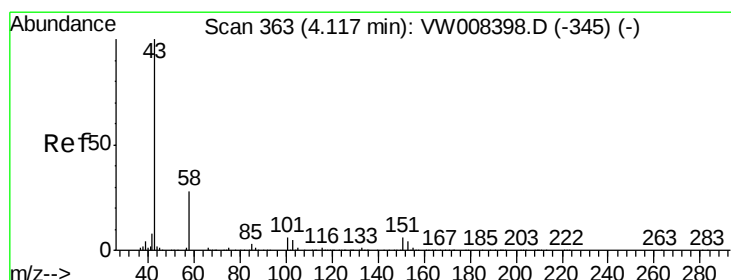
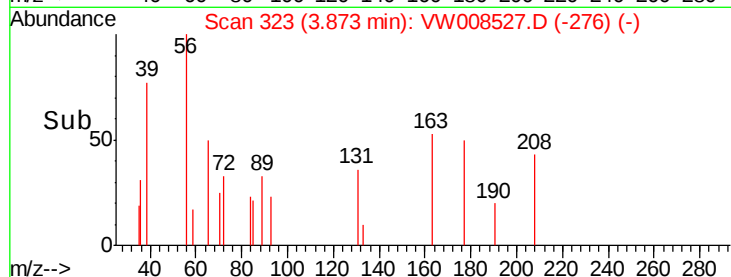
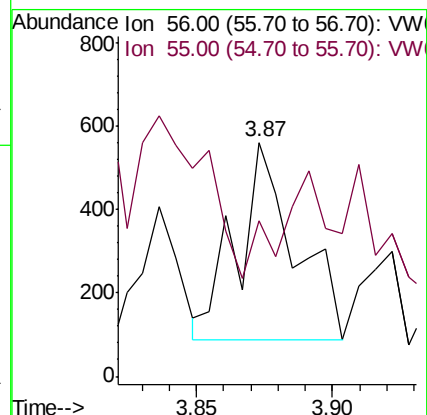
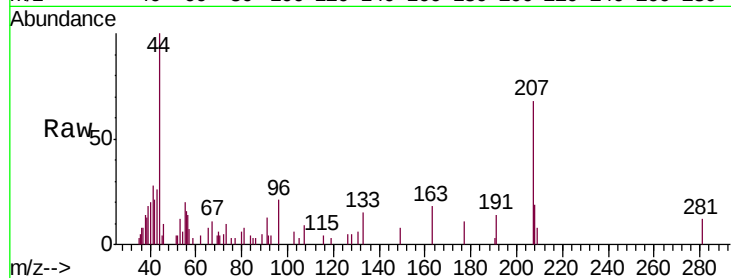
TR-05-020519

Tgt Ion: 56 Resp: 691

Ion Ratio Lower Upper

56 100

55 44.4 56.7 85.1#



#16

Acetone

Concen: 67.853 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008527.D

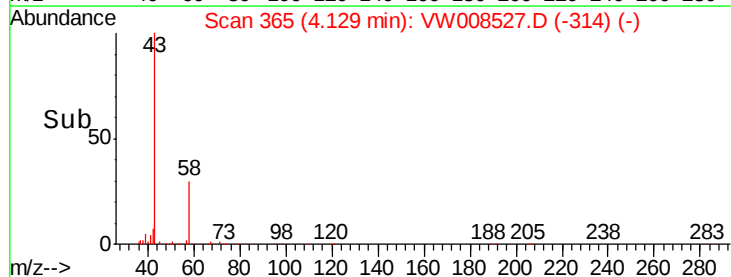
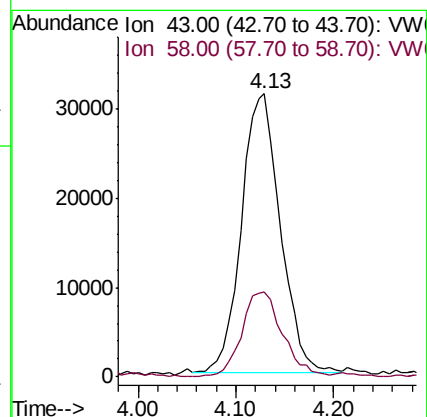
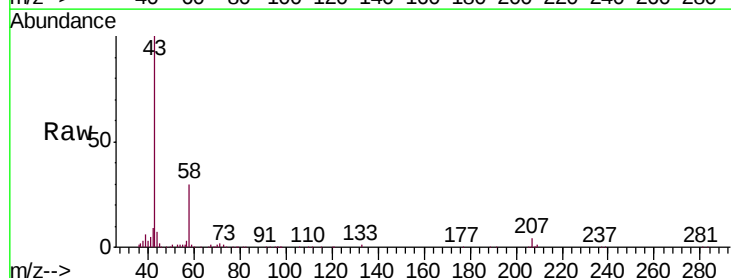
Acq: 06 Feb 2019 15:01

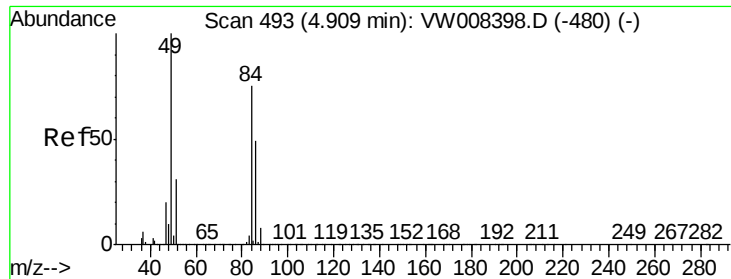
Tgt Ion: 43 Resp: 85769

Ion Ratio Lower Upper

43 100

58 30.2 22.6 34.0

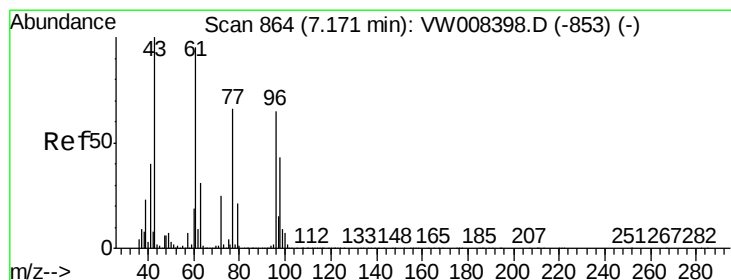
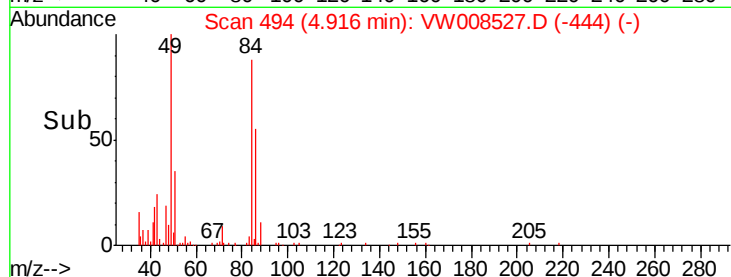
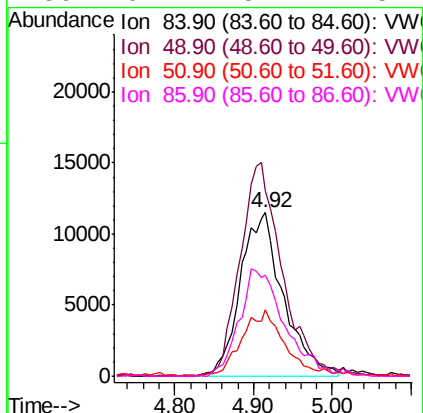
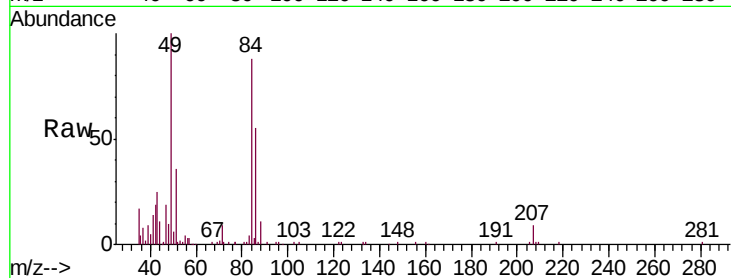




#20
Methylene Chloride
Concen: 7.500 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008527.D
Acq: 06 Feb 2019 15:01

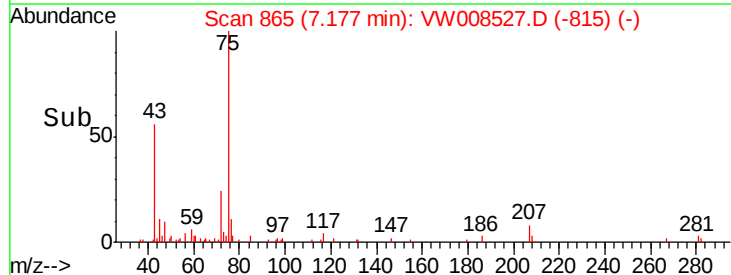
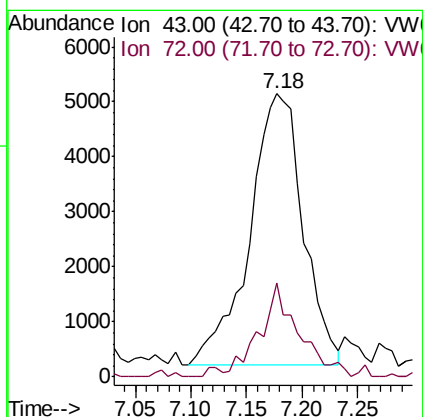
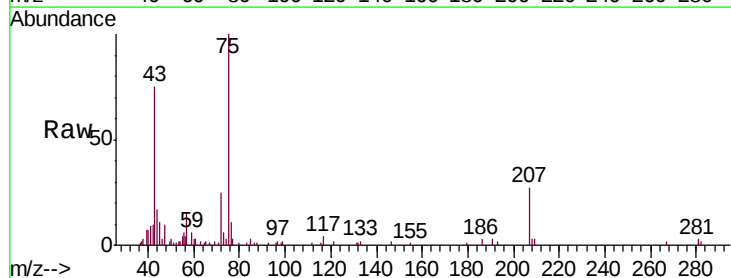
Instrument :
MSVOA_W
ClientSampleId :
TR-05-020519

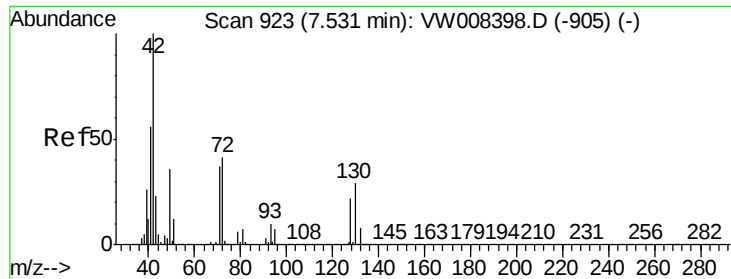
Tgt Ion:	84	Resp:	43696
Ion	Ratio	Lower	Upper
84	100		
49	113.7	106.8	160.2
51	39.5	32.9	49.3
86	62.1	52.2	78.2



#25
2-Butanone
Concen: 9.426 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW008527.D
Acq: 06 Feb 2019 15:01

Tgt Ion:	43	Resp:	16549
Ion	Ratio	Lower	Upper
43	100		
72	34.8	20.1	30.1#





#29

Tetrahydrofuran

Concen: 4.580 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008527.D

Acq: 06 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

TR-05-020519

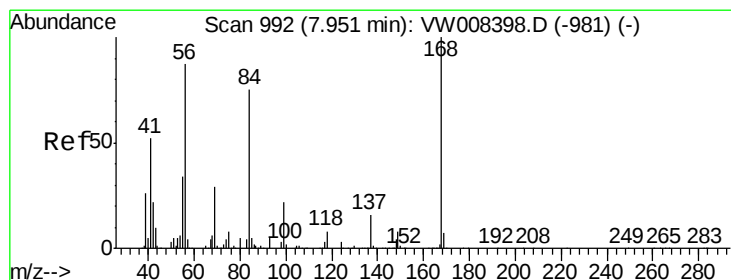
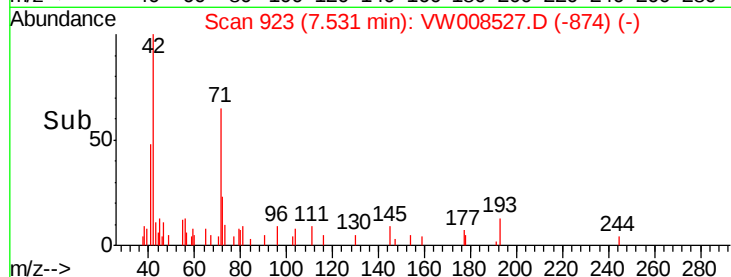
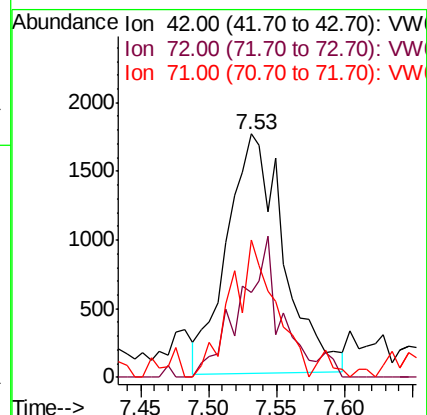
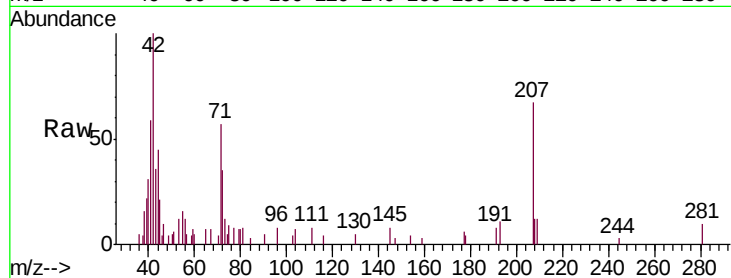
Tgt Ion: 42 Resp: 5096

Ion Ratio Lower Upper

42 100

72 41.5 31.9 47.9

71 44.2 29.9 44.9



#31

Cyclohexane

Concen: 4.018 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008527.D

Acq: 06 Feb 2019 15:01

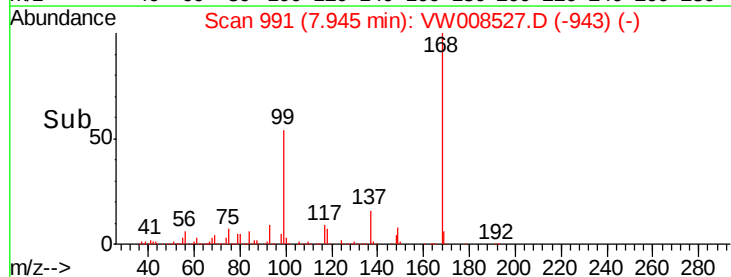
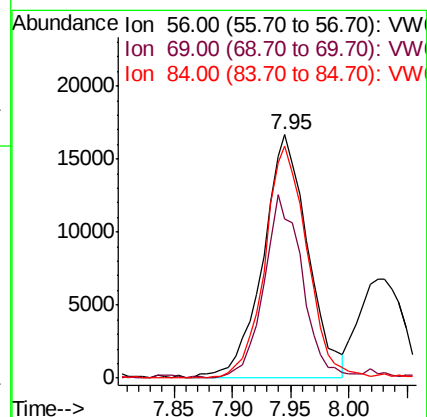
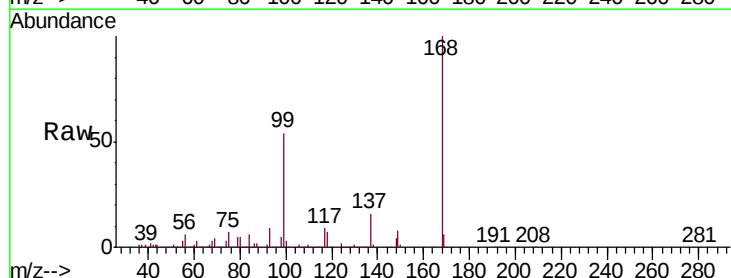
Tgt Ion: 56 Resp: 44388

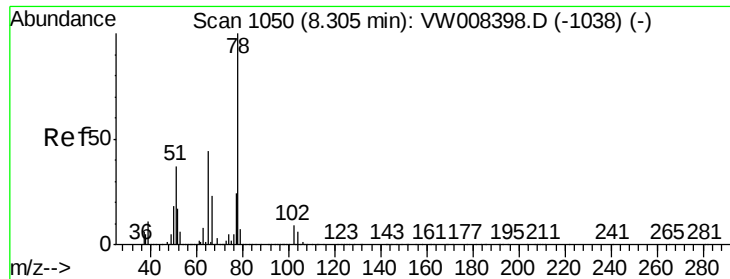
Ion Ratio Lower Upper

56 100

69 64.4 26.4 39.6#

84 95.0 69.1 103.7

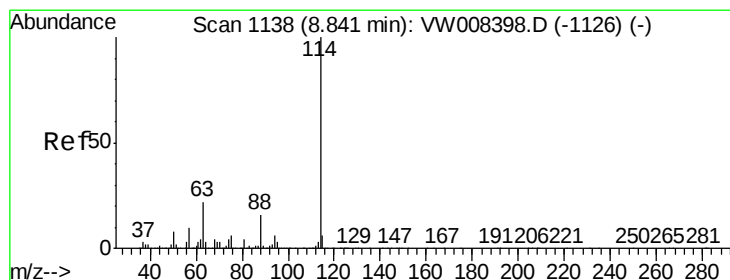
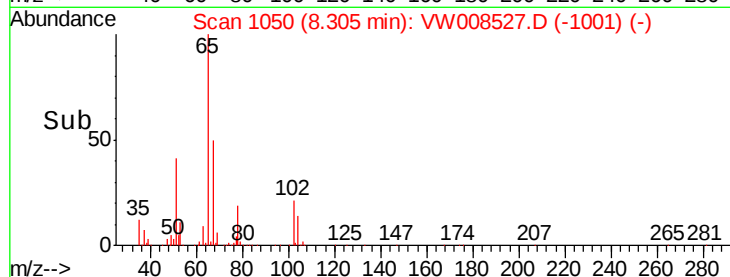
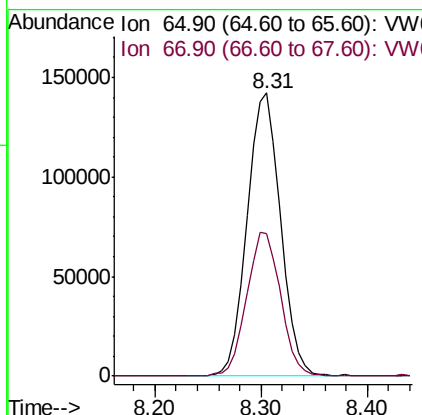
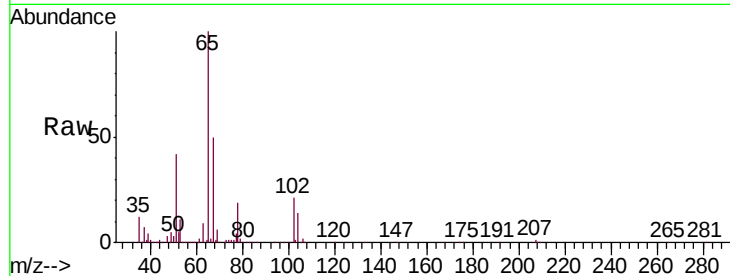




#33
 1,2-Dichloroethane-d4
 Concen: 55.744 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008527.D
 Acq: 06 Feb 2019 15:01

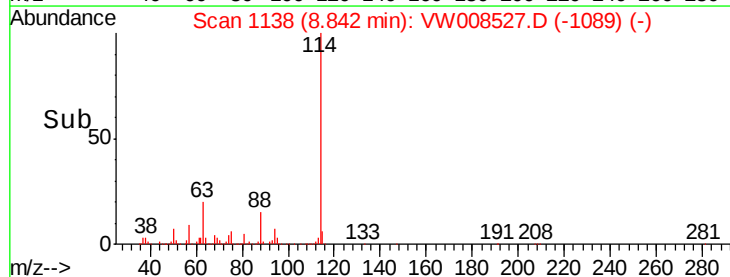
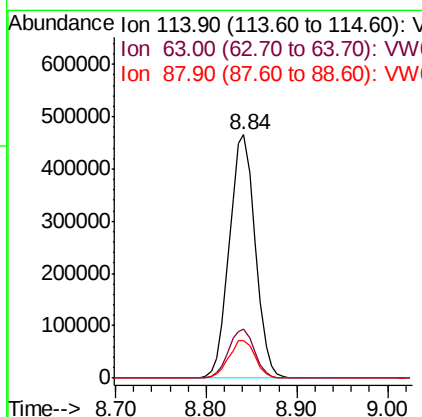
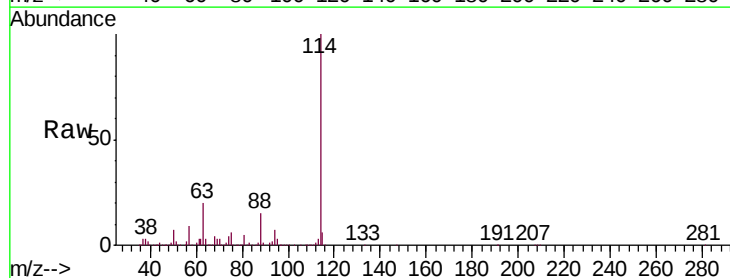
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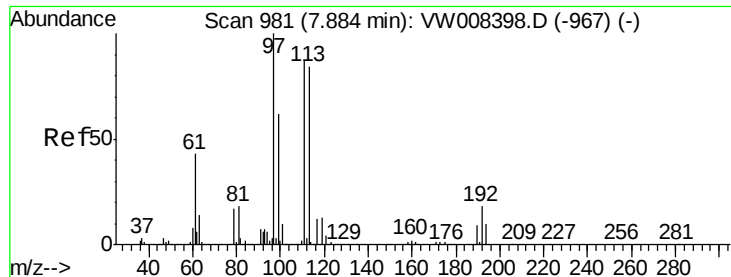
Tgt Ion: 65 Resp: 313775
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008527.D
 Acq: 06 Feb 2019 15:01

Tgt Ion: 114 Resp: 918394
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 43.6
 88 15.4 0.0 31.8

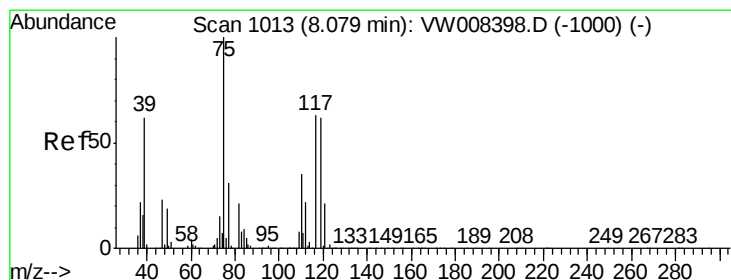
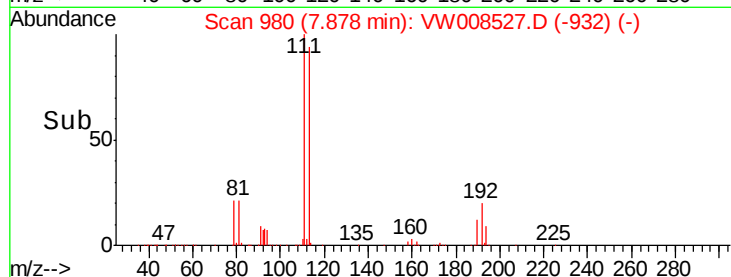
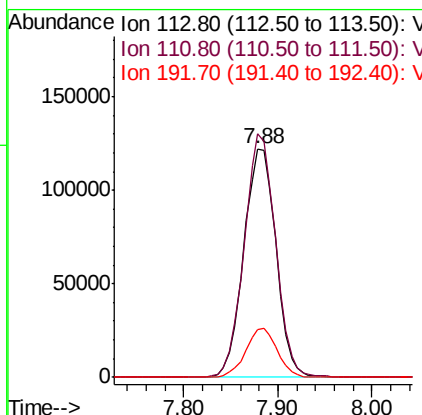
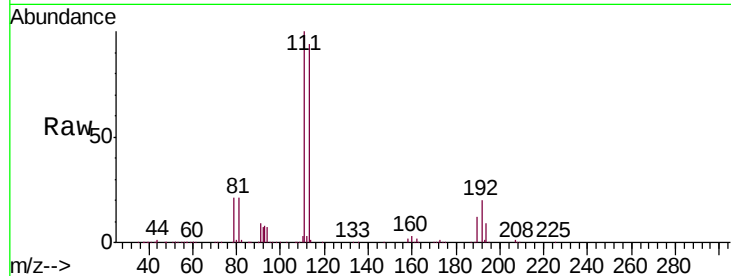




#35
 Dibromofluoromethane
 Concen: 54.400 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008527.D
 Acq: 06 Feb 2019 15:01

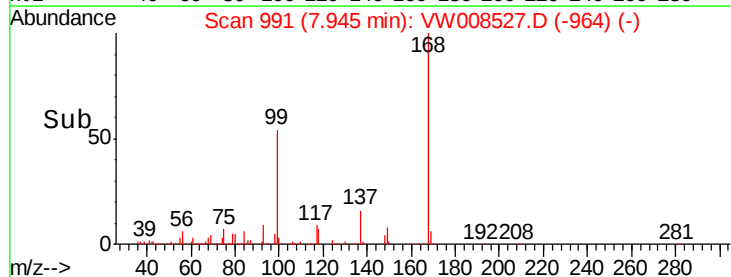
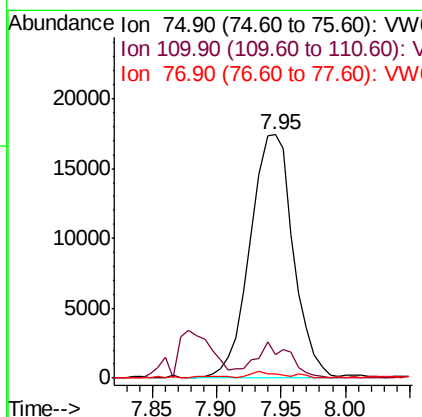
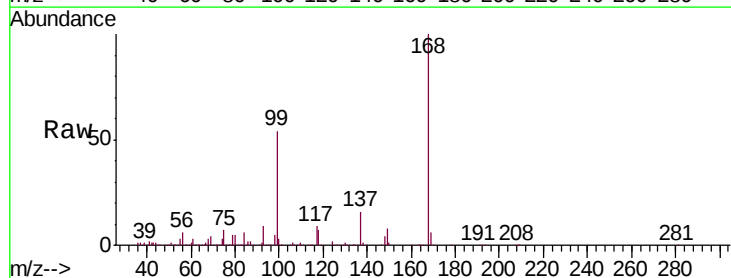
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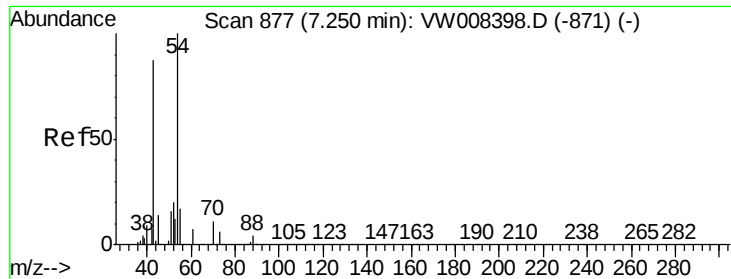
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.0	121.4
192	21.1	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 4.662 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008527.D
 Acq: 06 Feb 2019 15:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	17.3	52.0#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 4.312 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW008527.D

Acq: 06 Feb 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

TR-05-020519

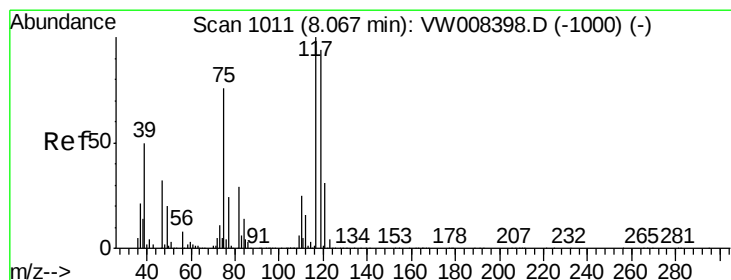
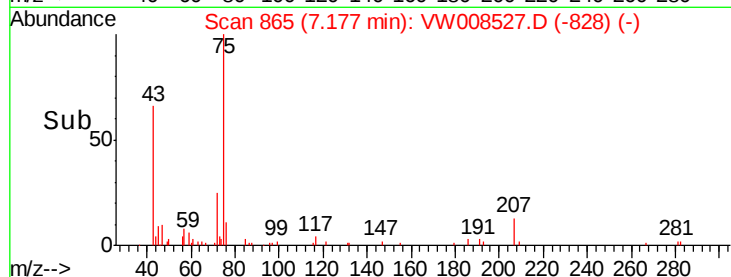
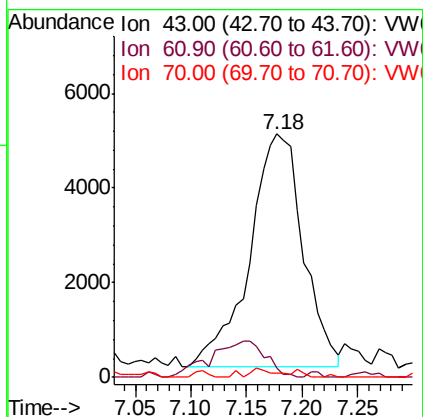
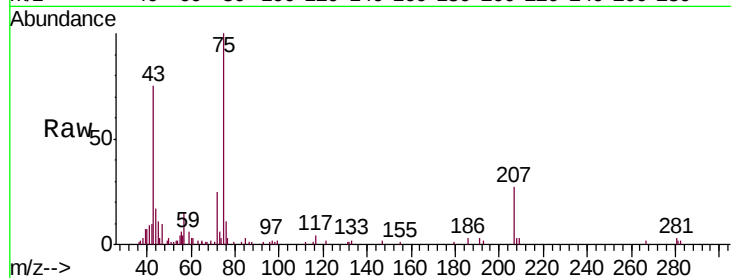
Tgt Ion: 43 Resp: 16549

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 5.959 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008527.D

Acq: 06 Feb 2019 15:01

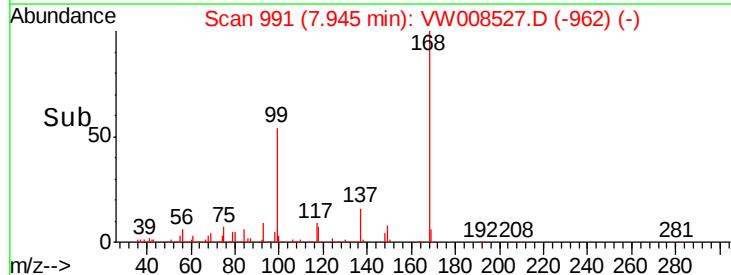
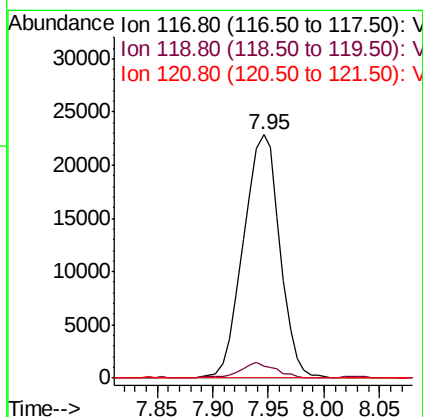
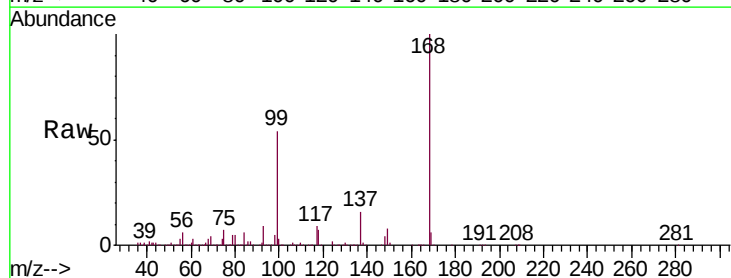
Tgt Ion: 117 Resp: 52019

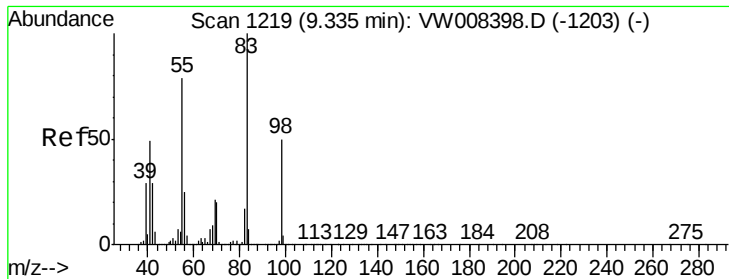
Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.4#

121 0.0 24.9 37.3#

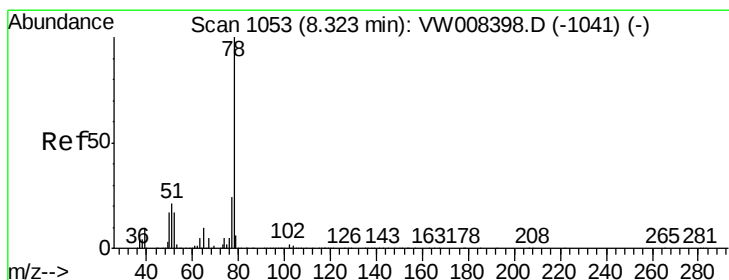
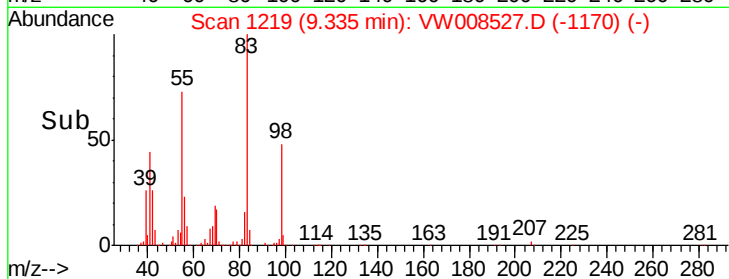
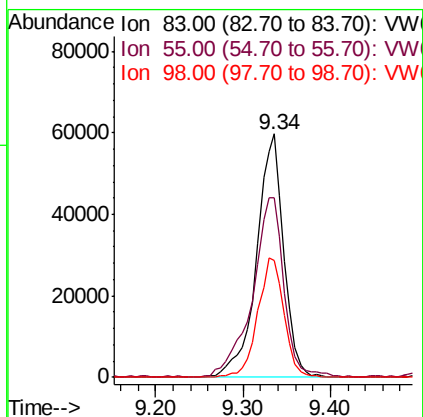
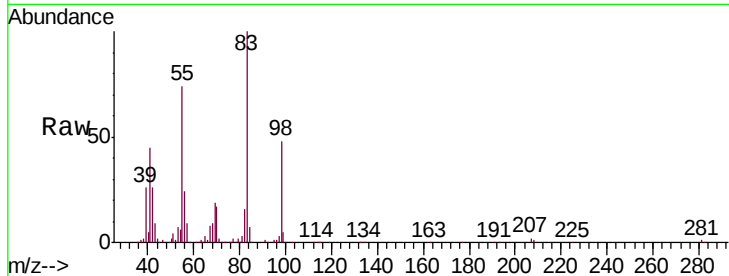




#39
Methylcyclohexane
Concen: 11.305 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008527.D
Acq: 06 Feb 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
TR-05-020519

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.7	63.3	94.9
98	48.1	39.7	59.5



#40
Benzene
Concen: 4.321 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008527.D
Acq: 06 Feb 2019 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6

