

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009328.D
 Acq On : 21 Mar 2019 16:04
 Operator : SY/VA
 Sample : K2017-04
 Misc : 6.49G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 09:43:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	410232	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	396738	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187860	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	120447	24.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.28%
7) Chloroethane-d5	2.90	69	116973	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
10) 1,1-Dichloroethene-d2	4.02	63	185542	17.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.04%
20) 2-Butanone-d5	7.07	46	93495	46.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.24%
24) Chloroform-d	7.64	84	259765	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.31	65	158890	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
29) Benzene-d6	8.27	84	481739	22.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.08%
33) 1,2-Dichloropropane-d6	9.27	67	154418	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.32	98	428545	21.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.72%
38) trans-1,3-Dichloropropene-	10.58	79	68534	20.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.08%
39) 2-Hexanone-d5	10.93	63	70446	44.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.52%
48) 1,1,1,2,2-Tetrachloroethane-	12.69	84	149252	23.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	171319	23.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.12%

Target Compounds

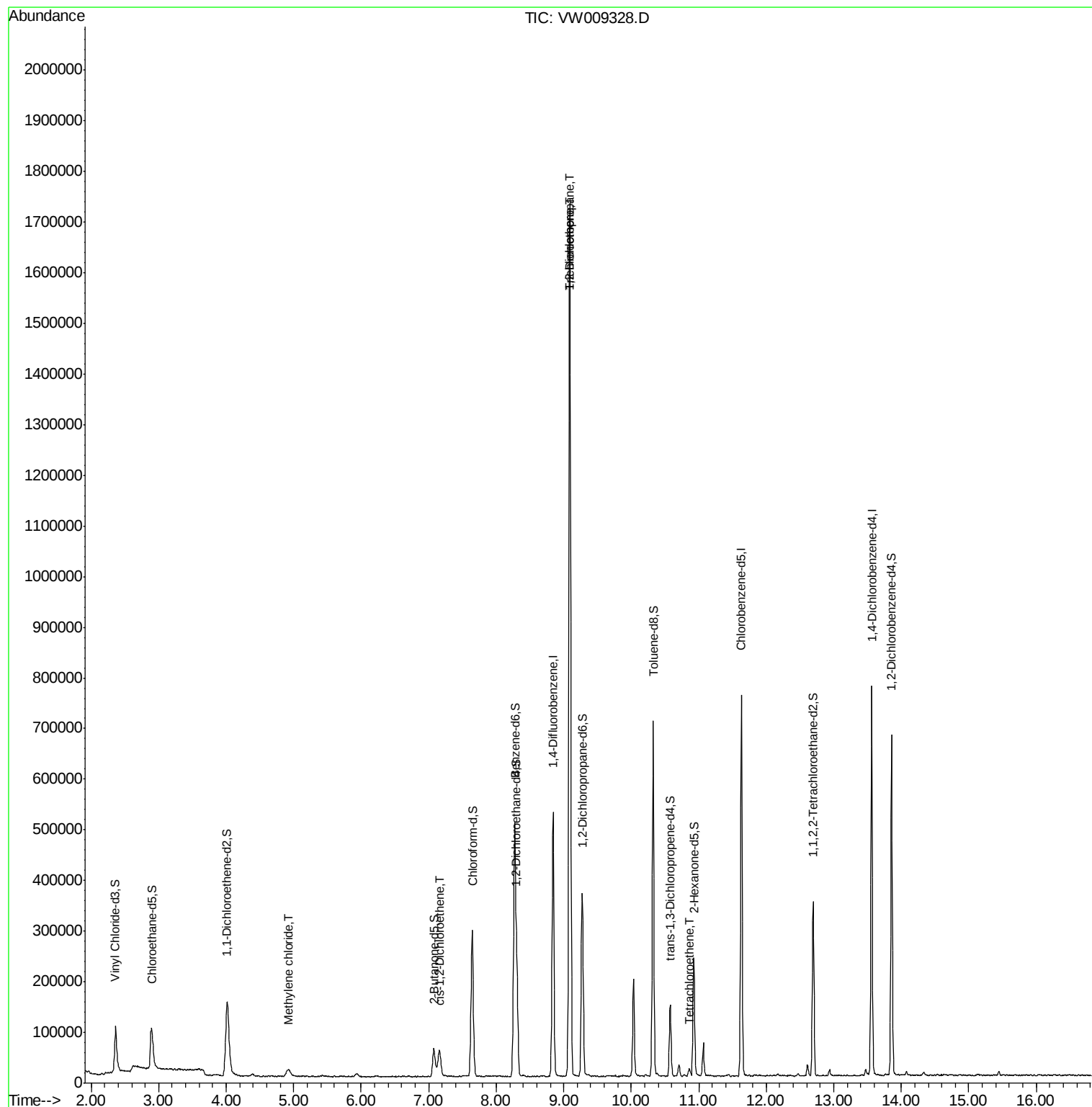
					Ovalue
16) Methylene chloride	4.92	84	12400	2.073	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	18244	3.171	ug/L 93
35) Trichloroethene	9.09	95	552475	95.480	ug/L 99
40) 1,2-Dichloropropane	9.09	63	2461	0.442	ug/L 100
47) Tetrachloroethene	10.86	164	3334	0.682	ug/L # 80

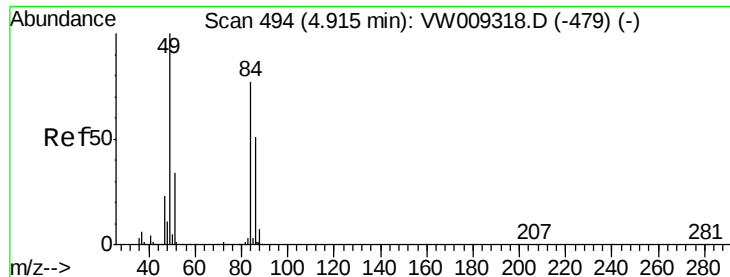
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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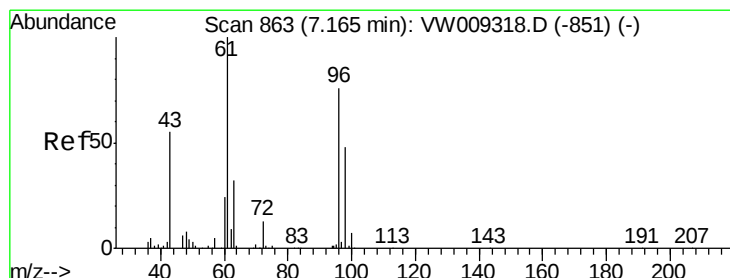
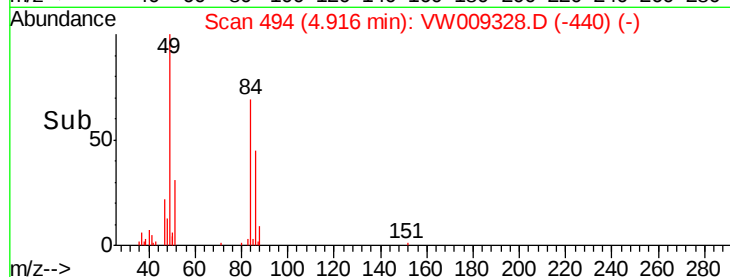
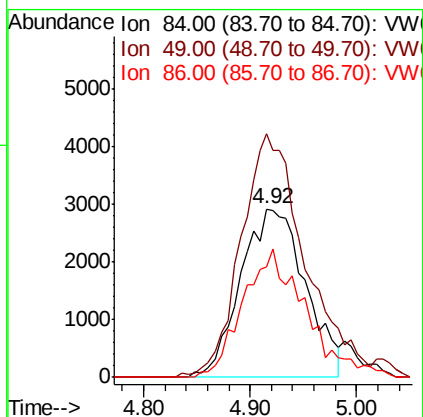
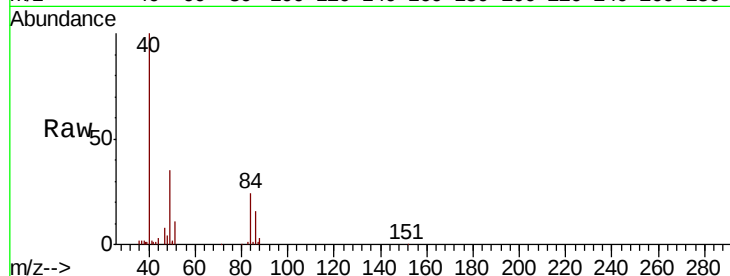




#16
Methvlene chloride
Concen: 2.073 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009328.D
Acq: 21 Mar 2019 16:04

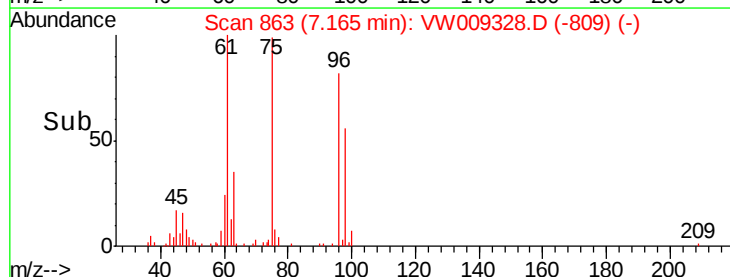
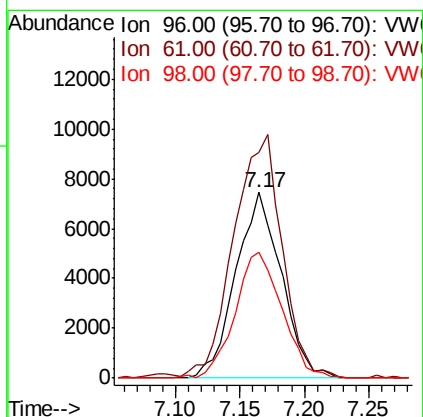
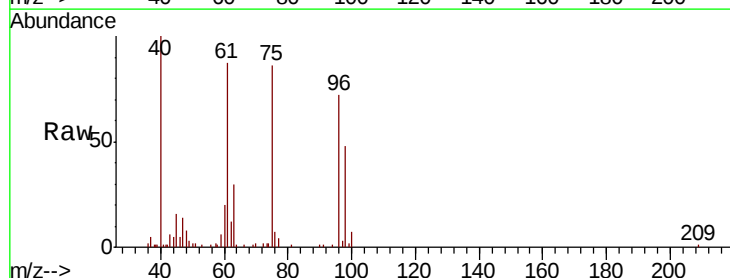
Instrument :
MSVOA_W
ClientSampled :

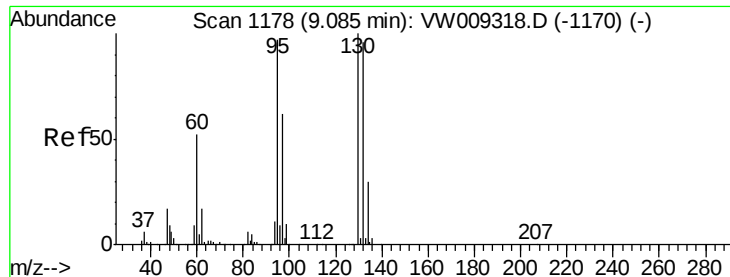
Tot Ion: 84 Resp: 12400
Ion Ratio Lower Upper
84 100
49 144.4 96.0 178.2
86 65.7 44.4 82.5



#22
cis-1,2-Dichloroethene
Concen: 3.171 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009328.D
Acq: 21 Mar 2019 16:04

Tgt Ion: 96 Resp: 18244
Ion Ratio Lower Upper
96 100
61 121.7 90.6 168.3
98 67.6 44.0 81.8





#35

Trichloroethene

Concen: 95.480 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009328.D

Acq: 21 Mar 2019 16:04

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 552475

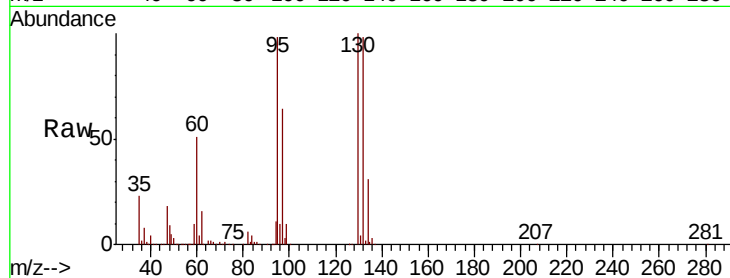
Ion Ratio Lower Upper

95 100

97 64.4 44.7 82.9

132 98.3 69.0 128.2

130 102.7 72.7 134.9

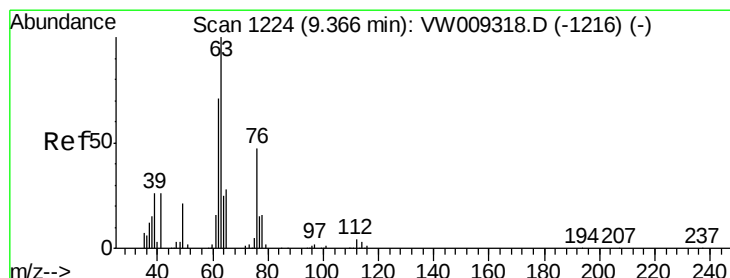
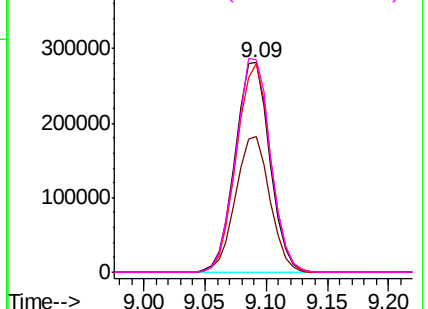
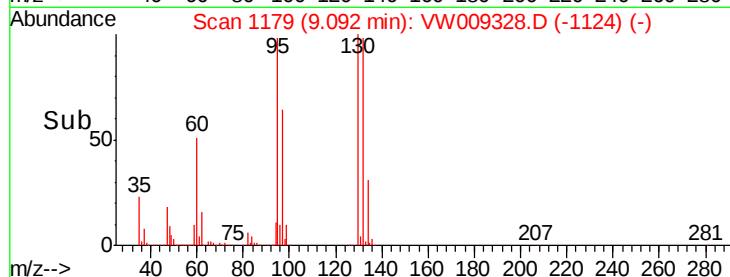


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 0.442 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.28 min

Lab File: VW009328.D

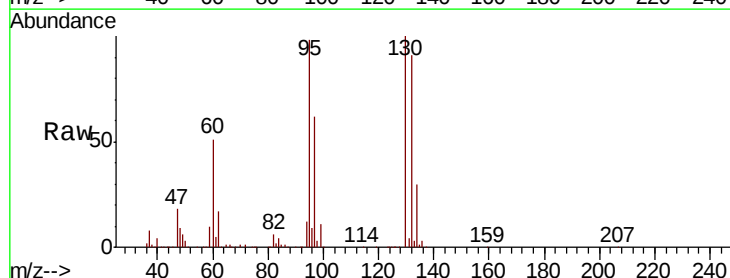
Acq: 21 Mar 2019 16:04

Tgt Ion: 63 Resp: 2461

Ion Ratio Lower Upper

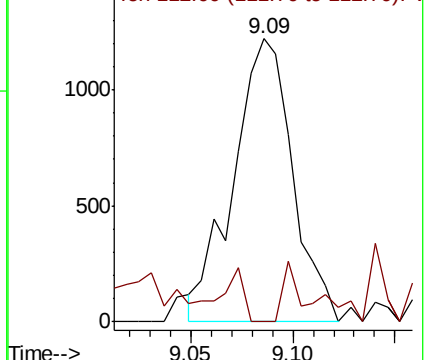
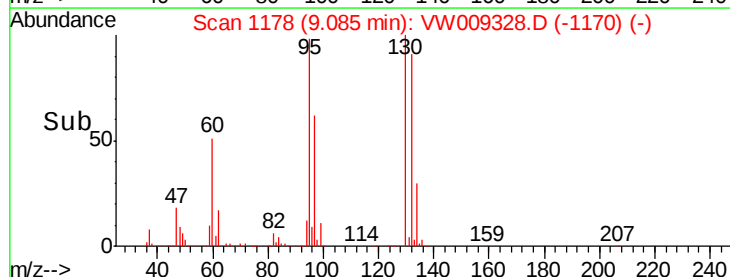
63 100

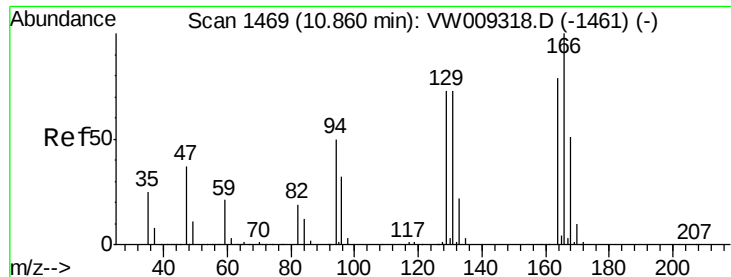
112 4.9 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#47

Tetrachloroethene

Concen: 0.682 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009328.D

Acq: 21 Mar 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 3334

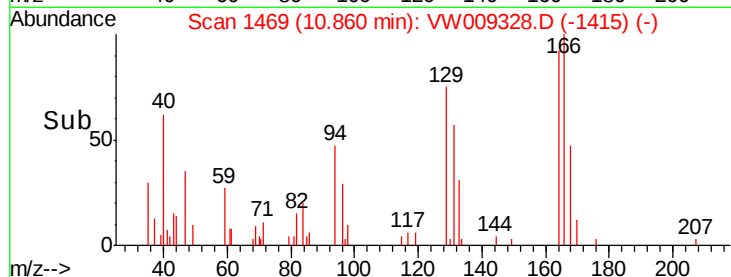
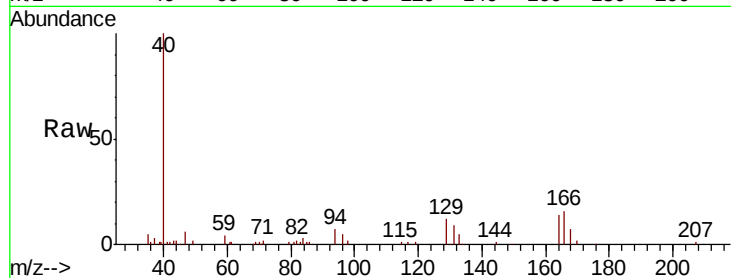
Ion Ratio Lower Upper

164 100

129 81.2 66.5 123.5

131 62.4 62.6 116.3#

166 108.7 91.6 170.0



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

