

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072120\
 Data File : VW015886.D
 Acq On : 21 Jul 2020 14:20
 Operator : SY/VA
 Sample : L3341-03MSD
 Misc : 6.31G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAXY4MSD

Quant Time: Jul 22 06:26:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 06:22:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	430749	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	400044	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177941	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	140659	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
7) Chloroethane-d5	2.90	69	106751	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
10) 1,1-Dichloroethene-d2	4.02	63	265125	21.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.32%
20) 2-Butanone-d5	7.09	46	80029	50.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.24%
24) Chloroform-d	7.65	84	251585	20.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	8.31	65	152879	23.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.08%
29) Benzene-d6	8.28	84	504405	20.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.84%
33) 1,2-Dichloropropane-d6	9.28	67	155500	21.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.20%
37) Toluene-d8	10.33	98	469855	21.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.20%
38) trans-1,3-Dichloropropene-	10.58	79	68683	22.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.28%
39) 2-Hexanone-d5	10.93	63	62530	51.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132303	23.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	158304	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

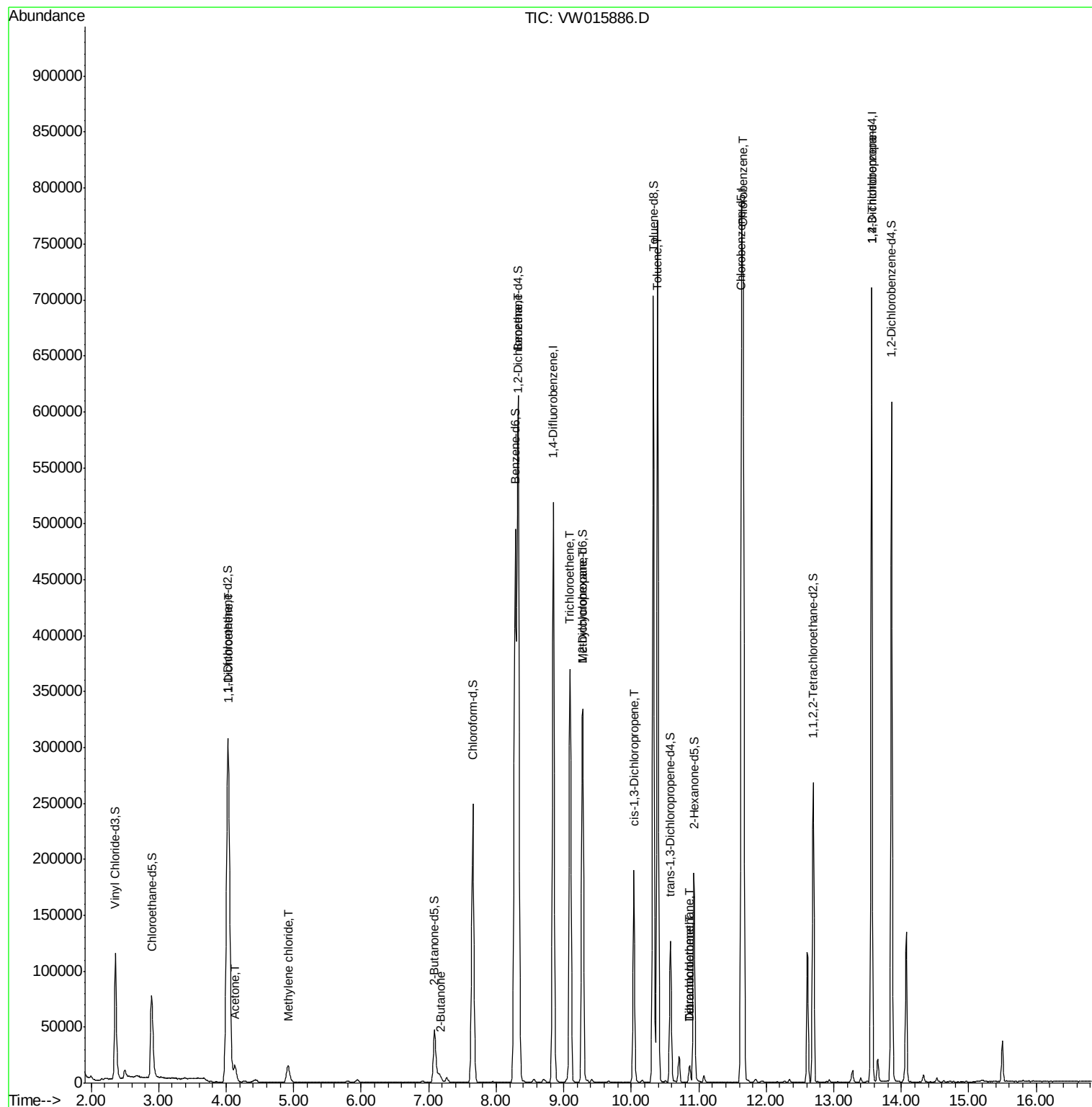
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	109248	19.730	ug/L	88
13) Acetone	4.13	43	24136	18.001	ug/L	99
16) Methylene chloride	4.92	84	12298	1.742	ug/L	96
21) 2-Butanone	7.18	43	4289	2.587	ug/L	88
34) Benzene	8.33	78	500194	20.587	ug/L	100
35) Trichloroethene	9.10	95	131975	20.533	ug/L	99
36) Methylcyclohexane	9.28	83	38000	3.446	ug/L #	18
42) cis-1,3-Dichloropropene	10.04	75	4599	0.502	ug/L #	82
44) Toluene	10.39	91	546248	21.436	ug/L	99
47) Tetrachloroethene	10.87	164	3593	0.720	ug/L	88
50) Dibromochloromethane	10.87	129	3322	0.663	ug/L #	11
52) Chlorobenzene	11.66	112	344298	21.085	ug/L	98
59) 1,2,3-Trichloropropane	13.56	75	22786	5.983	ug/L	91

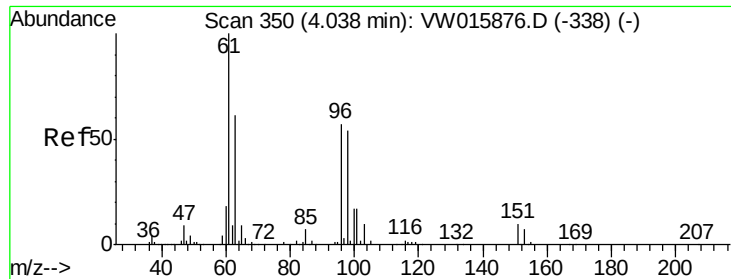
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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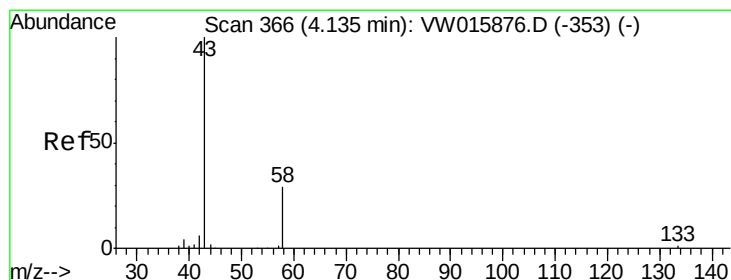
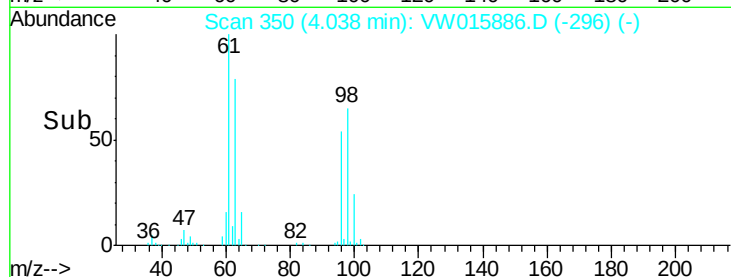
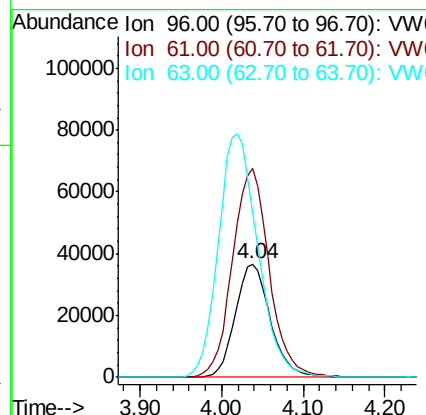
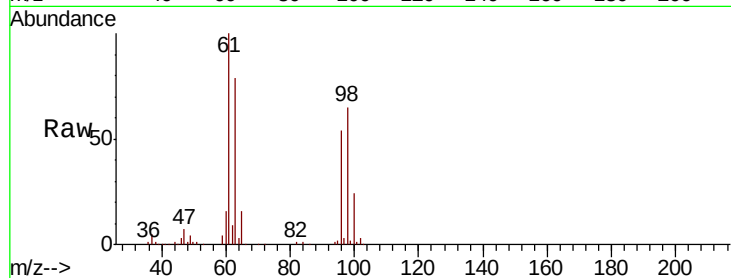




#12
 1,1-Dichloroethene
 Concen: 19.730 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW015886.D
 Acq: 21 Jul 2020 14:20

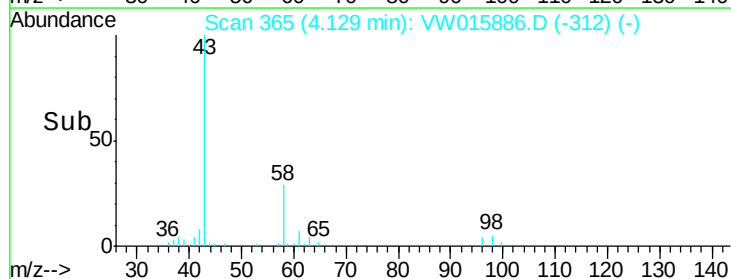
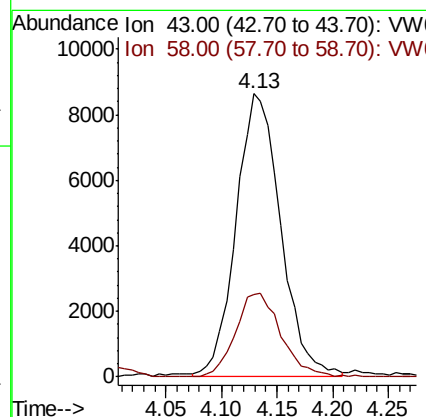
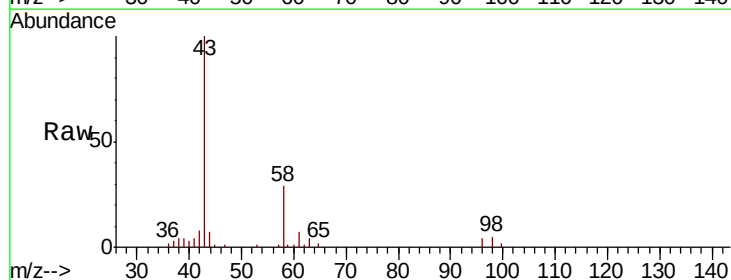
Instrument :
 MSVOA_W
 ClientSampleId :
 GAXY4MSD

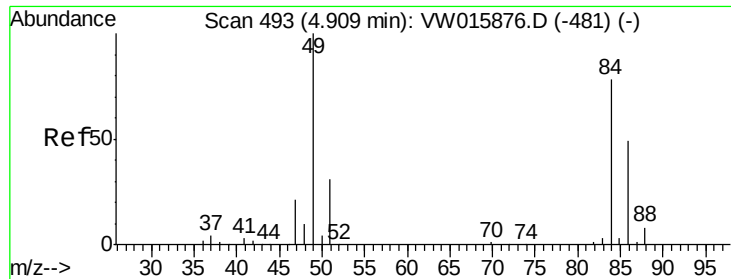
Tot Ion	96	Resp	109248
Ion	Ratio	Lower	Upper
96	100		
61	183.7	125.0	232.2
63	145.0	82.3	152.8



#13
 Acetone
 Concen: 18.001 ug/L
 RT: 4.13 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VW015886.D
 Acq: 21 Jul 2020 14:20

Tgt Ion	43	Resp	24136
Ion	Ratio	Lower	Upper
43	100		
58	29.8	0.0	58.2

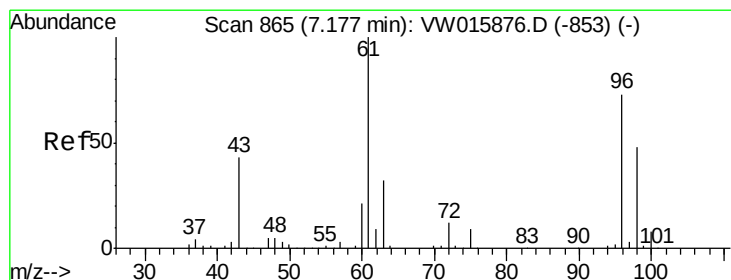
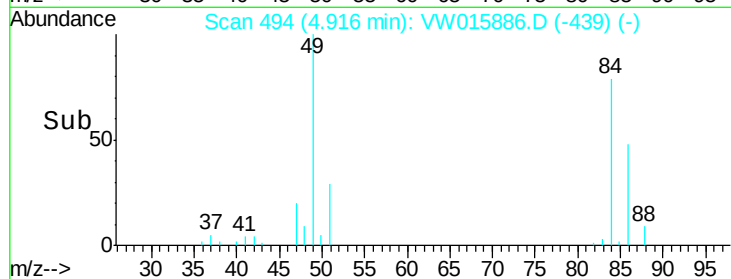
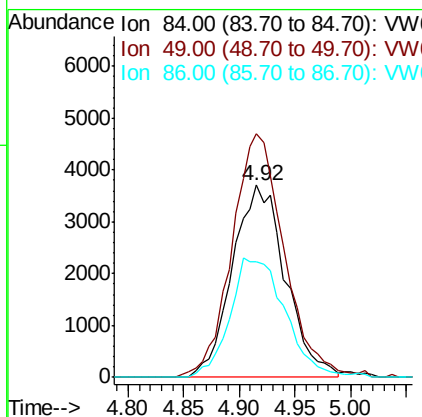
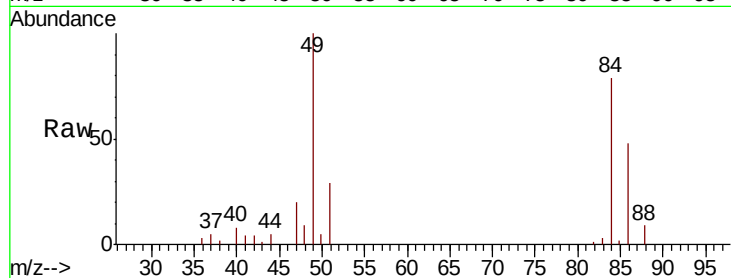




#16
Methylene chloride
Concen: 1.742 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

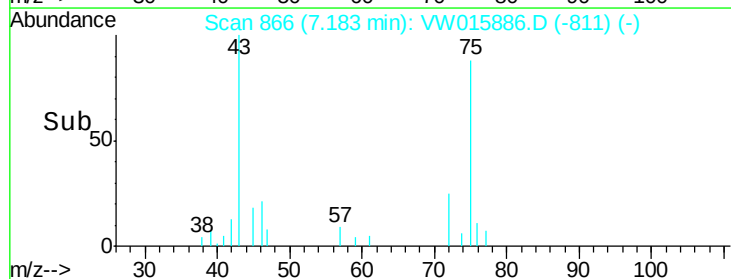
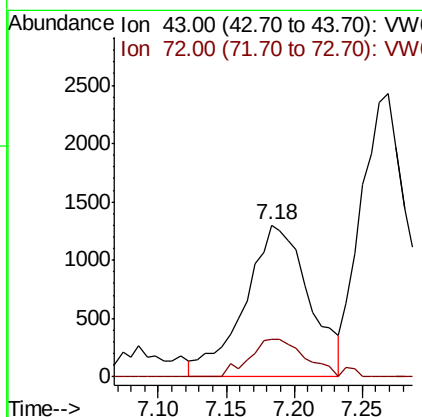
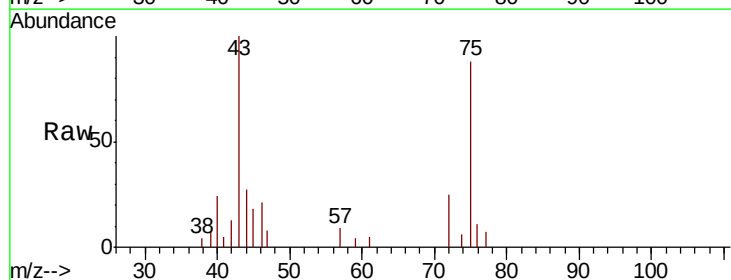
Instrument :
MSVOA_W
ClientSampled :
GAXY4MSD

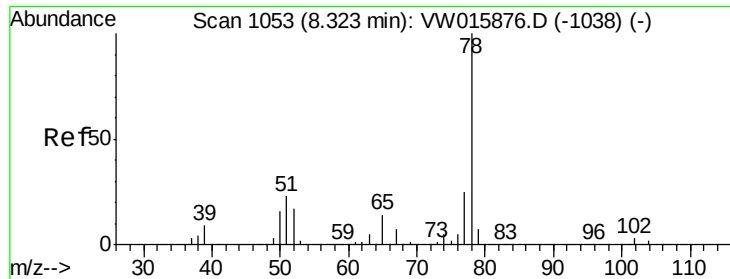
Tot Ion: 84 Resp: 12298
Ion Ratio Lower Upper
84 100
49 126.8 91.1 169.1
86 60.5 46.0 85.4



#21
2-Butanone
Concen: 2.587 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

Tgt Ion: 43 Resp: 4289
Ion Ratio Lower Upper
43 100
72 21.4 13.9 41.7





#34

Benzene

Concen: 20.587 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

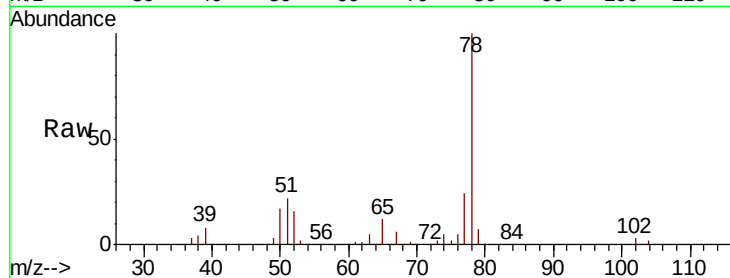
Instrument :

MSVOA_W

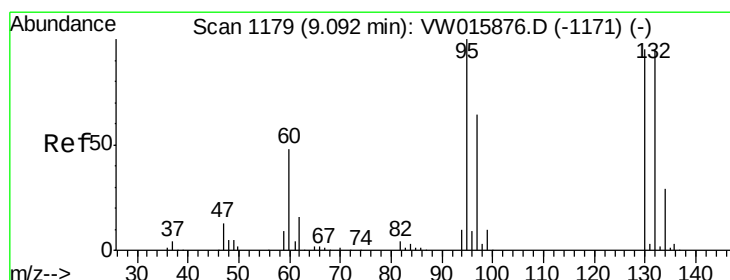
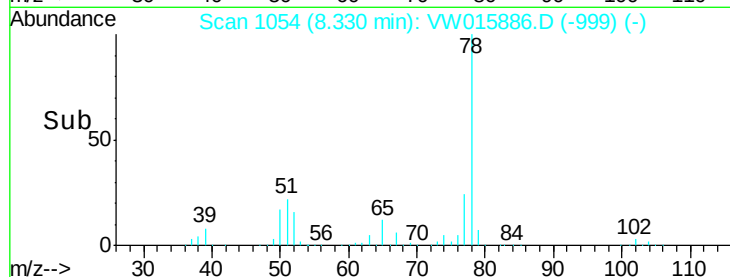
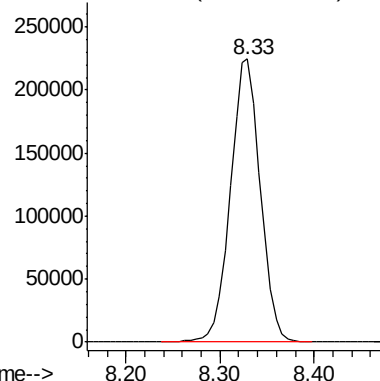
ClientSampleId :

GAXY4MSD

Tgt Ion: 78 Resp: 500194



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 20.533 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

Tgt Ion: 95 Resp: 131975

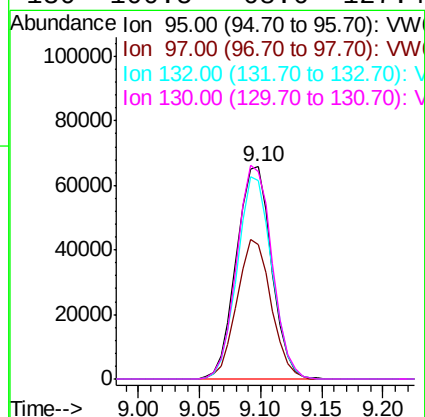
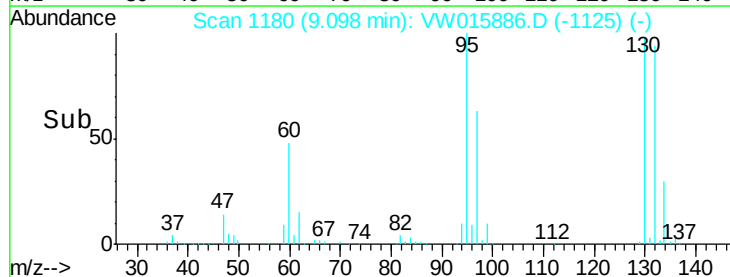
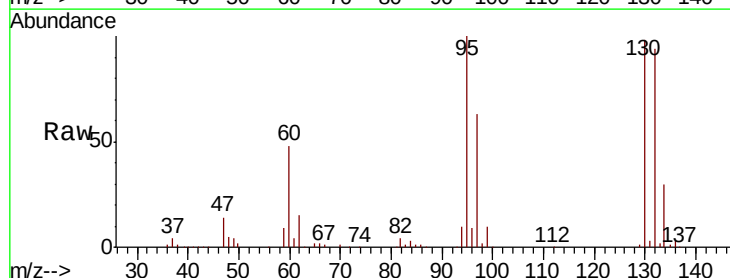
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.4	82.4
132	93.5	65.1	120.9
130	100.5	68.6	127.4

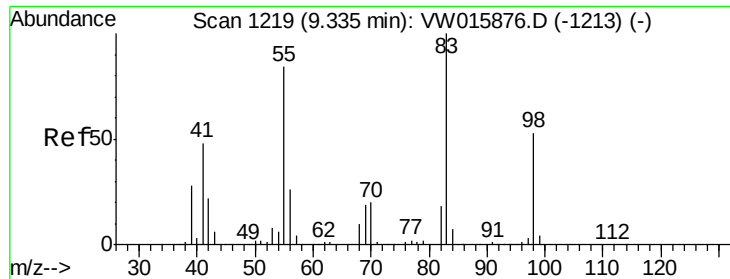
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

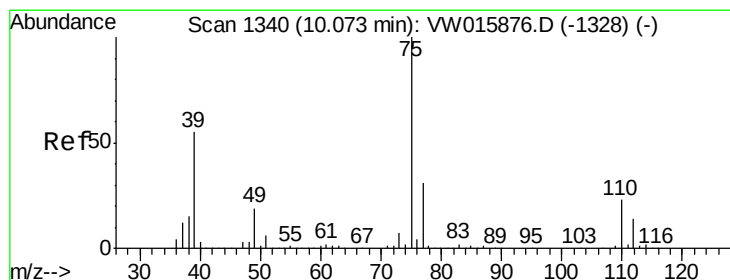
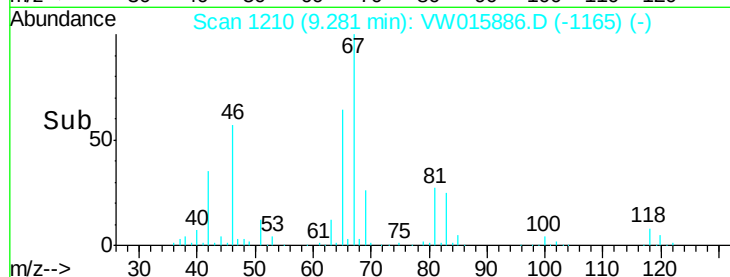
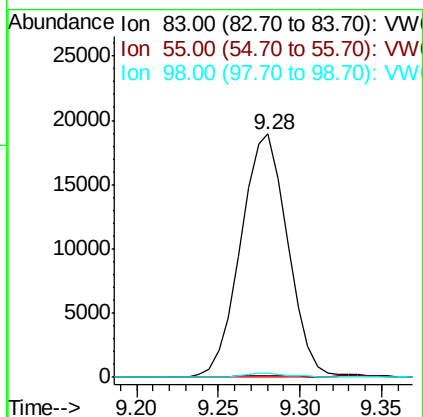
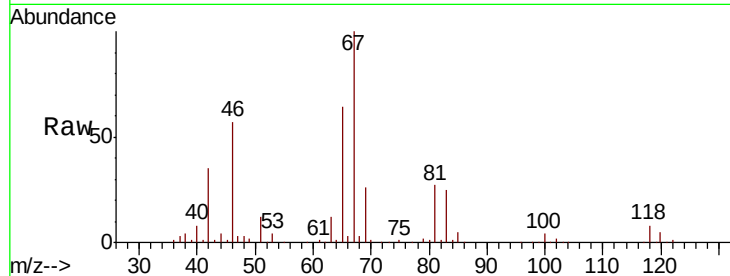




#36
Methylcyclohexane
Concen: 3.446 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.05 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

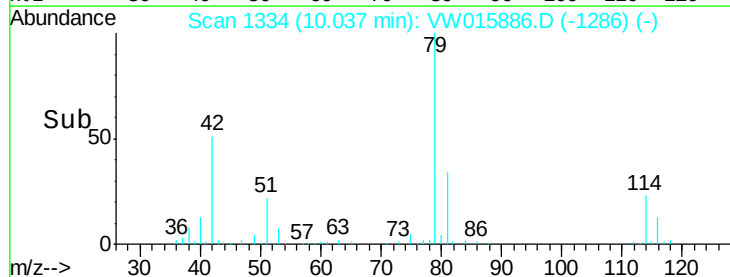
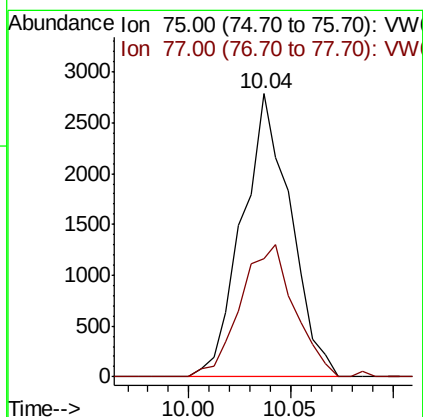
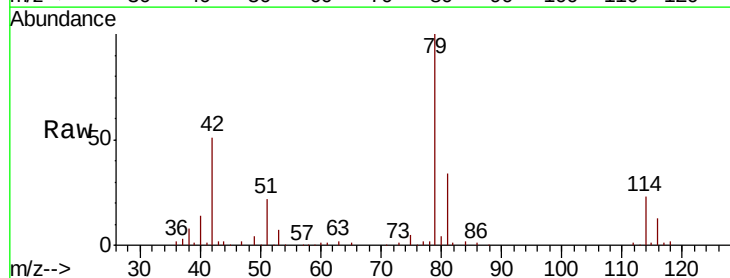
Instrument :
MSVOA_W
ClientSampleId :
GAXY4MSD

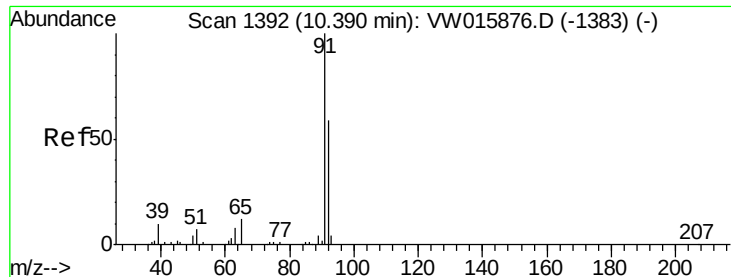
Tot Ion: 83 Resp: 38000
Ion Ratio Lower Upper
83 100
55 0.7 63.5 95.3#
98 1.6 39.0 58.4#



#42
cis-1,3-Dichloropropene
Concen: 0.502 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

Tgt Ion: 75 Resp: 4599
Ion Ratio Lower Upper
75 100
77 41.6 22.2 41.2#





#44

Toluene

Concen: 21.436 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

Instrument :

MSVOA_W

ClientSampleId :

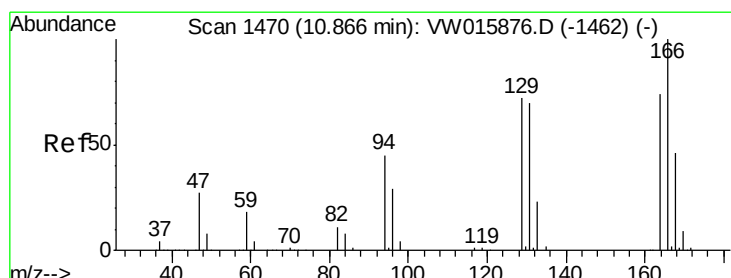
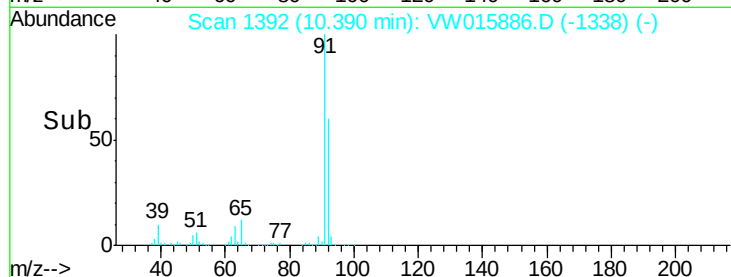
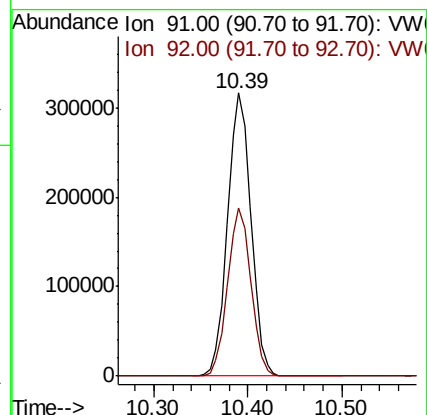
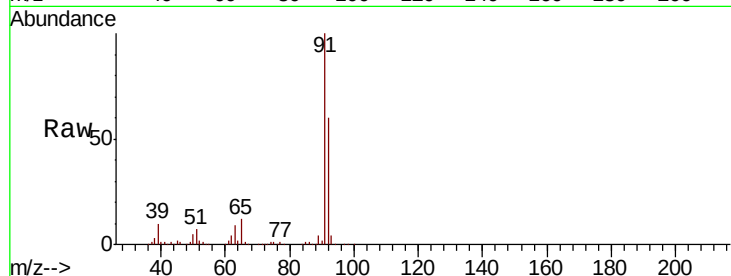
GAXY4MSD

Tot Ion: 91 Resp: 546248

Ion Ratio Lower Upper

91 100

92 59.5 41.2 76.4



#47

Tetrachloroethene

Concen: 0.720 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

Tgt Ion: 164 Resp: 3593

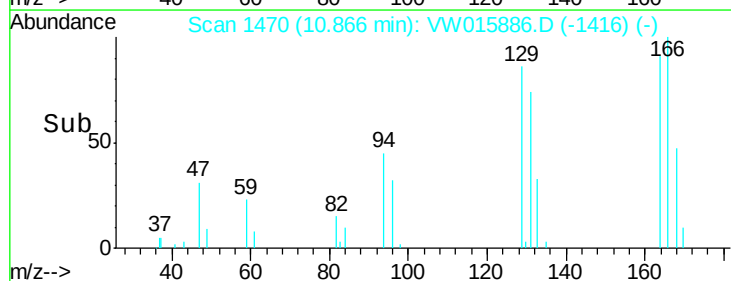
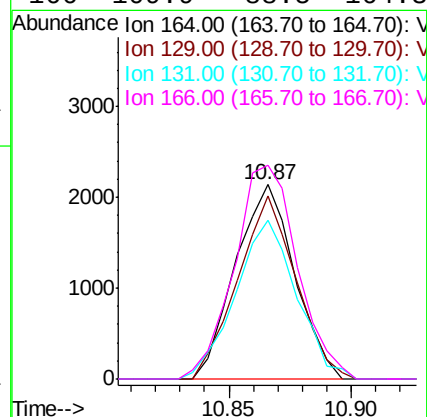
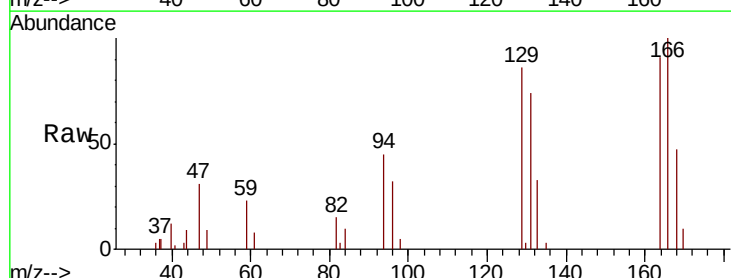
Ion Ratio Lower Upper

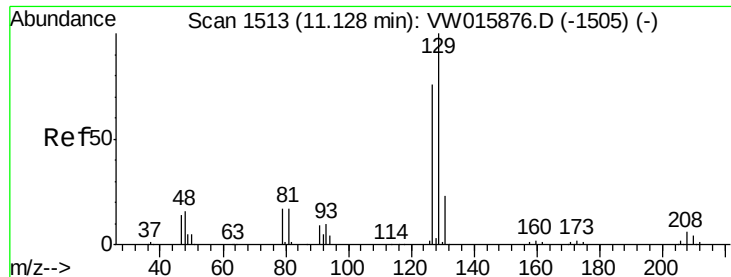
164 100

129 94.4 70.0 130.0

131 81.4 67.3 124.9

166 109.9 88.5 164.3

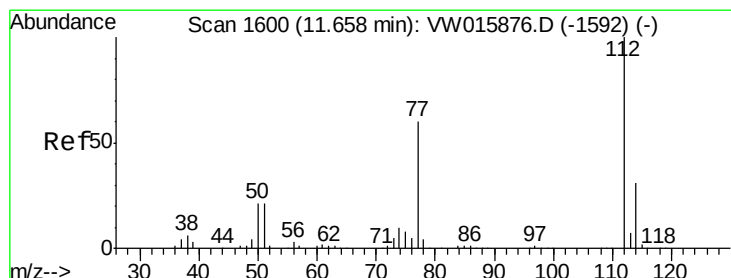
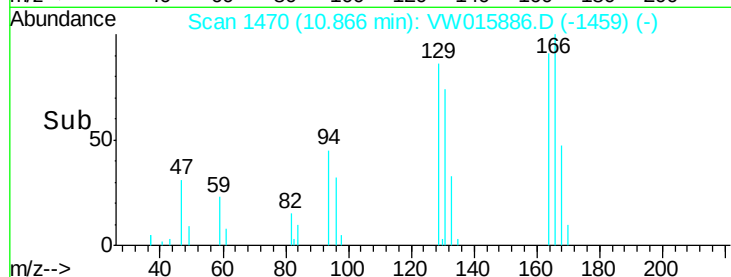
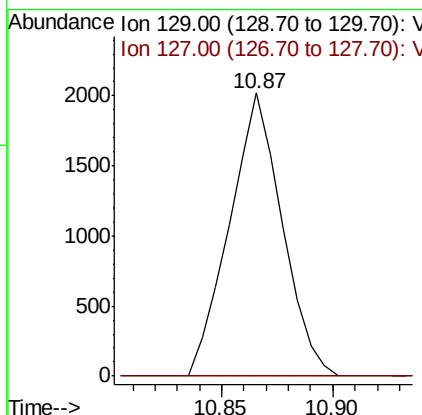
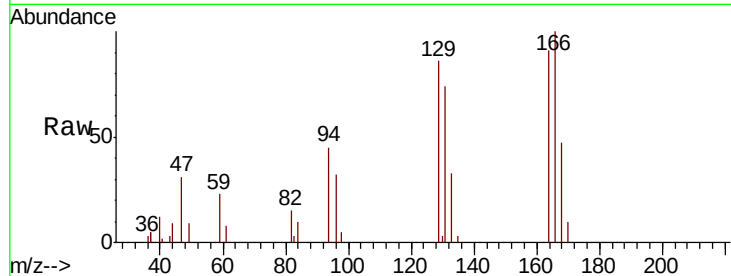




#50
Dibromochloromethane
Concen: 0.663 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

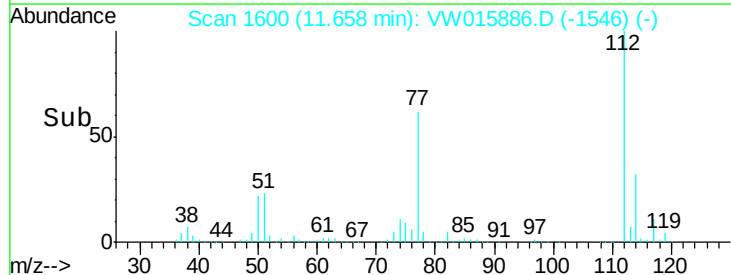
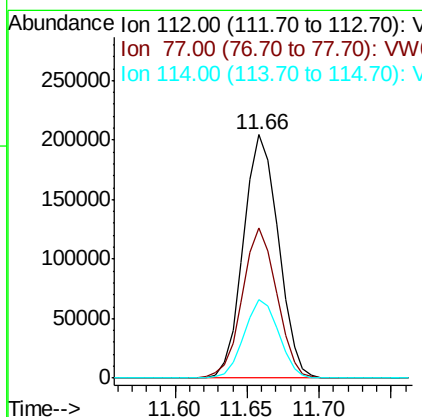
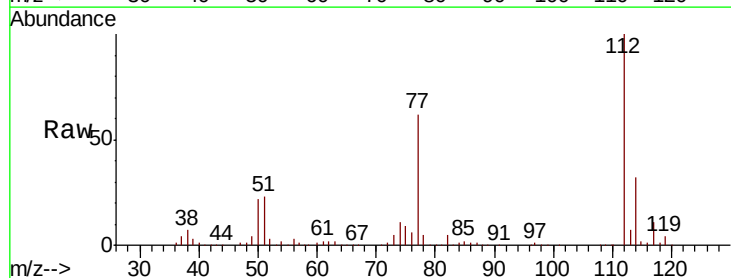
Instrument :
MSVOA_W
ClientSampleId :
GAXY4MSD

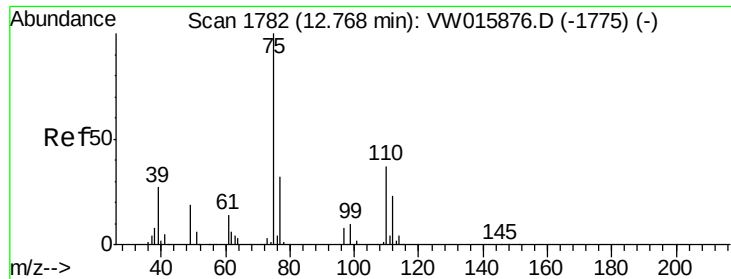
Tot Ion:129 Resp: 3322
Ion Ratio Lower Upper
129 100
127 0.0 53.8 100.0#



#52
Chlorobenzene
Concen: 21.085 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015886.D
Acq: 21 Jul 2020 14:20

Tgt Ion:112 Resp: 344298
Ion Ratio Lower Upper
112 100
77 61.7 47.8 71.6
114 32.5 22.1 41.1





#59

1,2,3-Trichloropropane

Concen: 5.983 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015886.D

Acq: 21 Jul 2020 14:20

Instrument :

MSVOA_W

ClientSampleId :

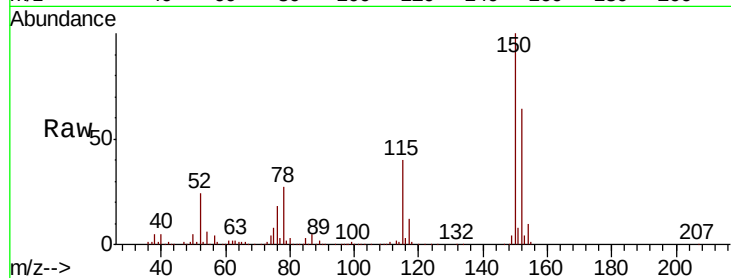
GAXY4MSD

Tot Ion: 75 Resp: 22786

Ion Ratio Lower Upper

75 100

77 37.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

