

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066431.D
 Acq On : 30 Mar 2021 19:39
 Operator : JC/MD
 Sample : M1763-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EL-509-WATER-SAMPLE

Manual Integrations
 APPROVED

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Quant Time: Mar 31 02:55:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.110	128	63195	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	324079	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	283580	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	142084	29.25	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.50%		
60) 4-Bromofluorobenzene	12.348	95	112354	25.39	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	84.63%		
63) Toluene-d8	10.028	98	399366	30.01	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.03%		
Target Compounds						
15) Acetone	3.736	58	14214	23.36	ug/l	Qvalue 85
18) Methylene Chloride	4.463	84	2890m	0.74	ug/l	
23) tert-Butyl Alcohol	4.677	59	5286m	6.16	ug/l	
25) Chloroform	7.290	83	6717	0.95	ug/l	93
30) 2-Butanone	6.740	43	10513m	3.70	ug/l	
34) Benzene	7.963	78	18970	1.28	ug/l #	1
62) Toluene	10.095	91	13946	0.89	ug/l	96
67) m/p-Xylenes	11.567	106	2851m	0.45	ug/l	
68) o-Xylene	11.897	106	2454m	0.40	ug/l	
80) 1,2,4-Trimethylbenzene	12.989	105	5544	0.43	ug/l	91
91) Naphthalene	15.070	128	87330	6.89	ug/l	99

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

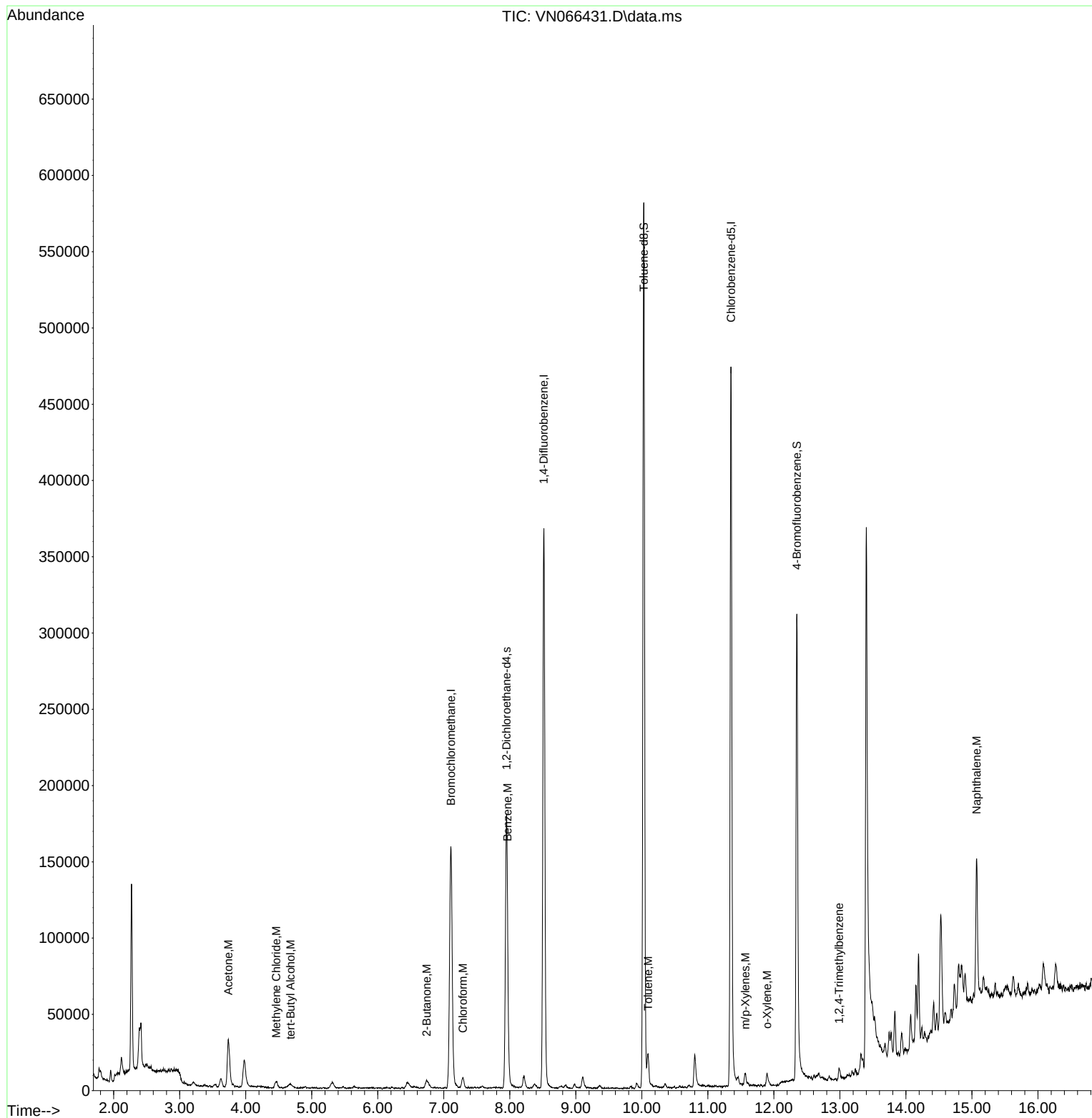
Instrument :
MSVOA_N
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EL-509-WATER-SAMPLE

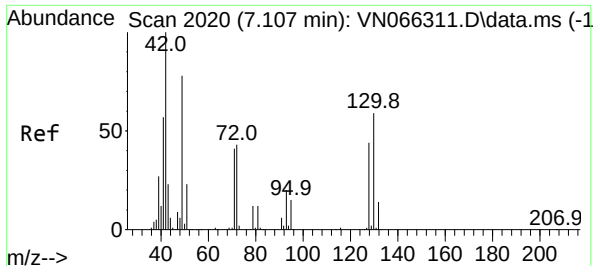
Manual Integrations
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Quant Time: Mar 31 02:55:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

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#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.110 min Scan# 2021
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

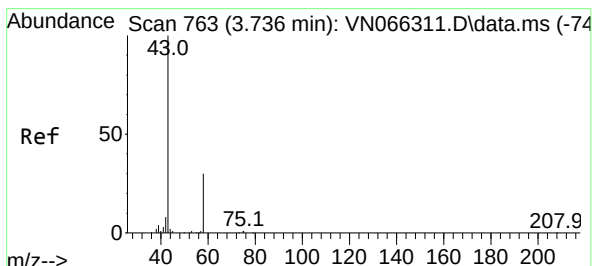
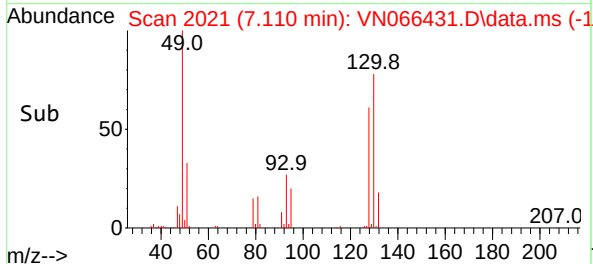
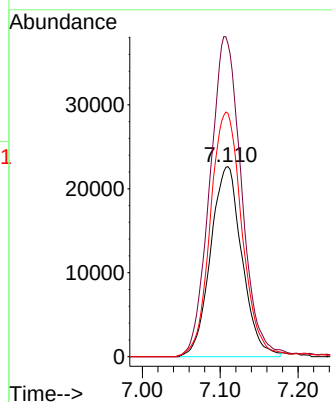
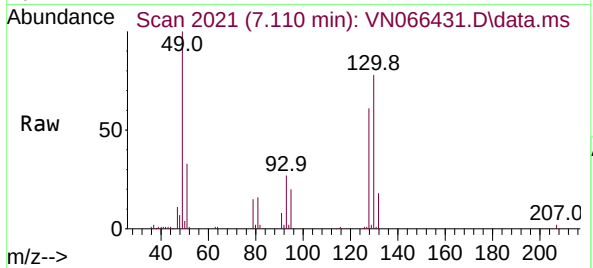
Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.9	0.0	429.3
130	130.2	0.0	328.5

Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

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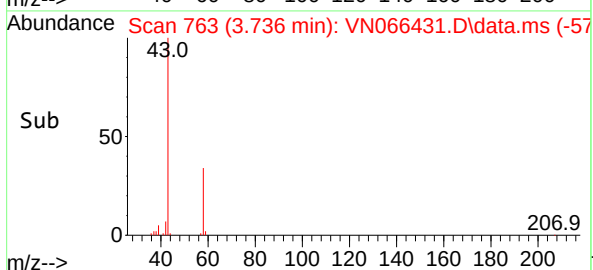
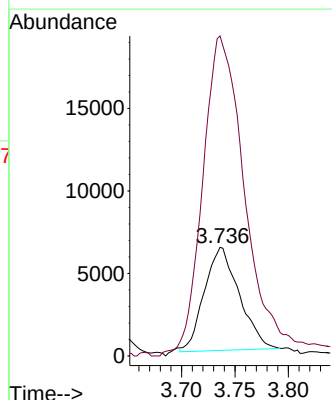
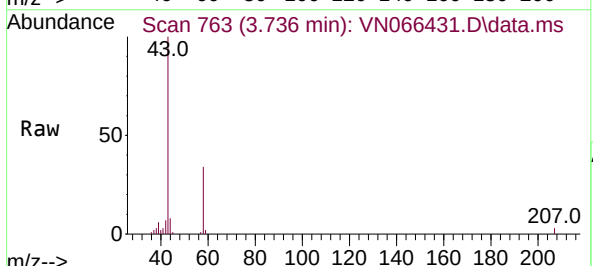
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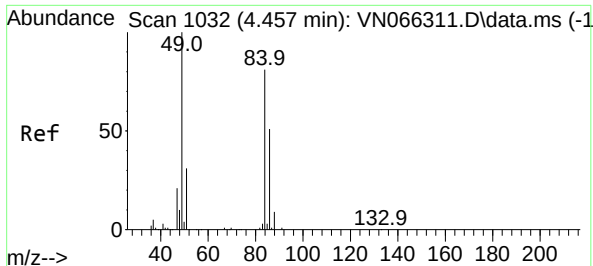
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#15
Acetone
Concen: 23.36 ug/l
RT: 3.736 min Scan# 763
Delta R.T. -0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion	Ratio	Lower	Upper
58	100		
43	302.9	267.3	400.9





#18

Methylene Chloride

Concen: 0.74 ug/l m

RT: 4.463 min Scan# 1034

Delta R.T. 0.006 min

Lab File: VN066431.D

Acq: 30 Mar 2021 19:39

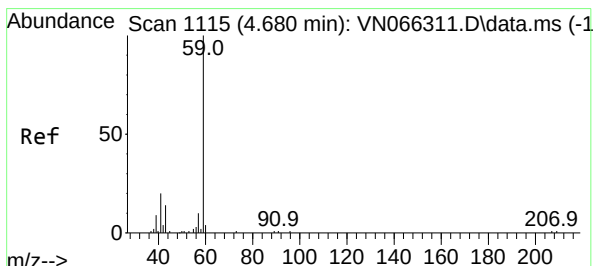
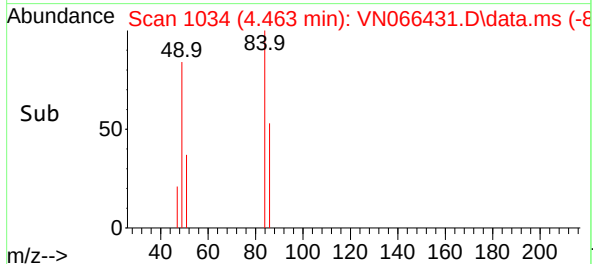
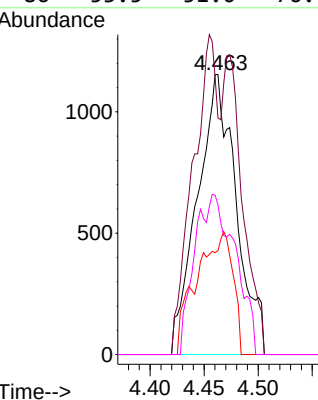
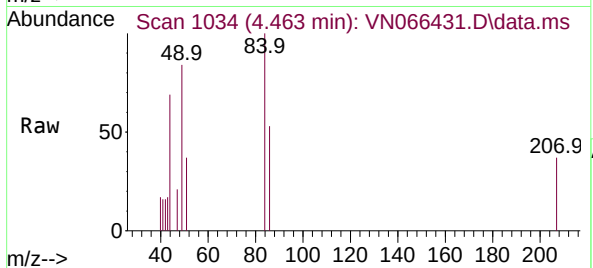
Tgt Ion:	84	Resp:	2890
Ion	Ratio	Lower	Upper
84	100		
49	84.5	98.9	148.3#
51	37.1	30.8	46.2
86	53.5	51.0	76.4

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#23

tert-Butyl Alcohol

Concen: 6.16 ug/l m

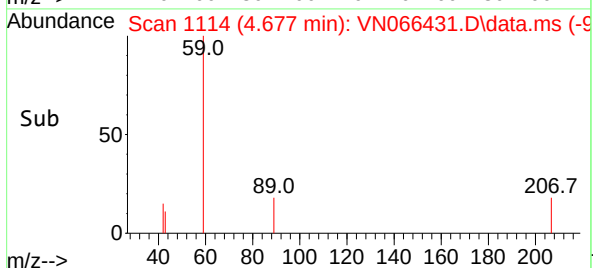
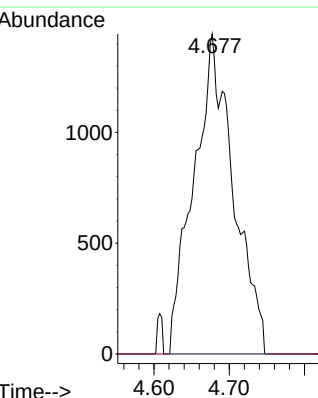
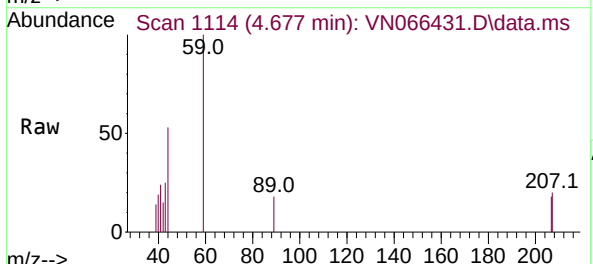
RT: 4.677 min Scan# 1114

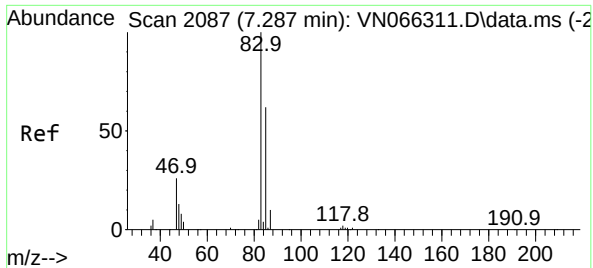
Delta R.T. -0.003 min

Lab File: VN066431.D

Acq: 30 Mar 2021 19:39

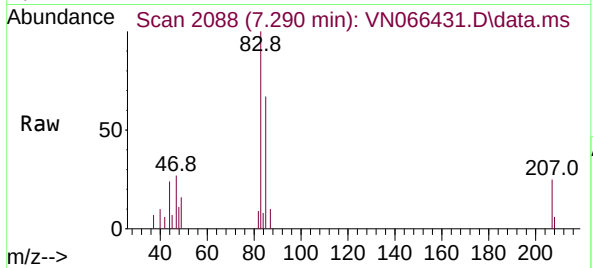
Tgt Ion:	59	Resp:	5286
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#





#25
Chloroform
Concen: 0.95 ug/l
RT: 7.290 min Scan# 2088
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

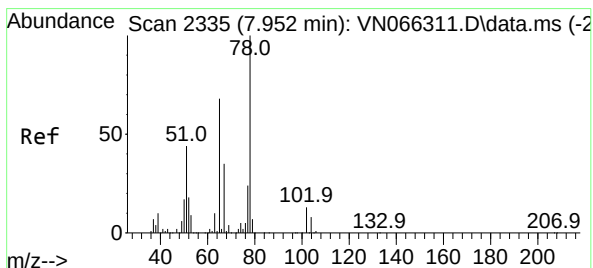
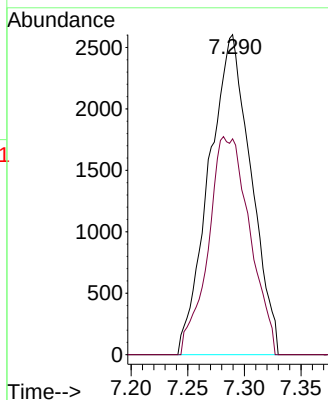
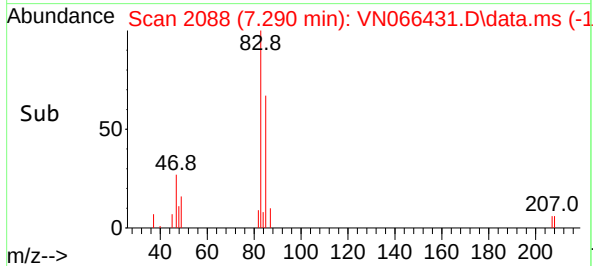


Tgt Ion: 83 Resp: 6717
Ion Ratio Lower Upper
83 100
85 67.5 49.4 74.2

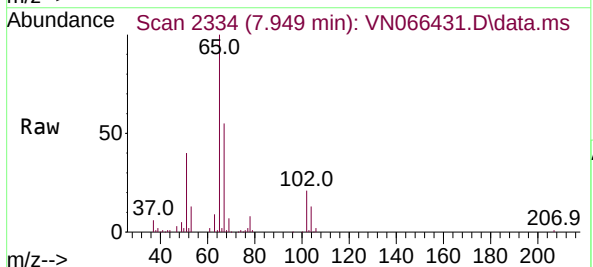
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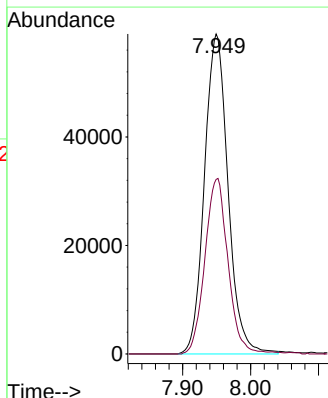
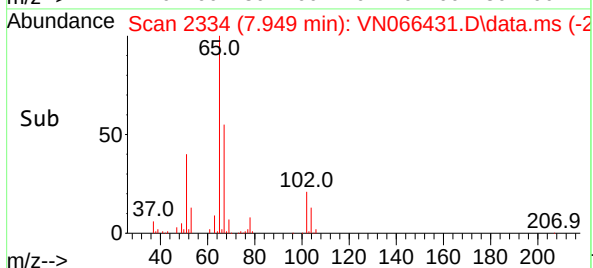
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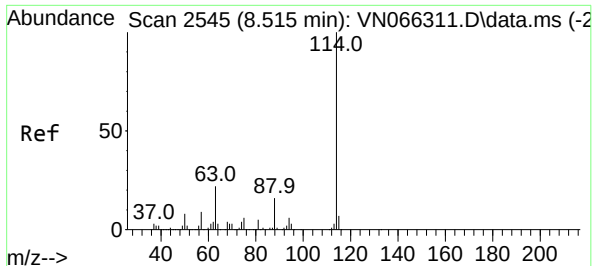


#27
1,2-Dichloroethane-d4
Concen: 29.25 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. -0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39



Tgt Ion: 65 Resp: 142084
Ion Ratio Lower Upper
65 100
67 53.4 42.2 63.4





#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

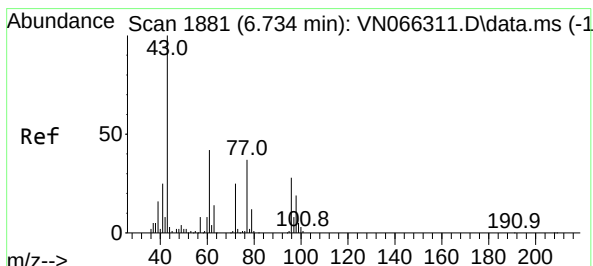
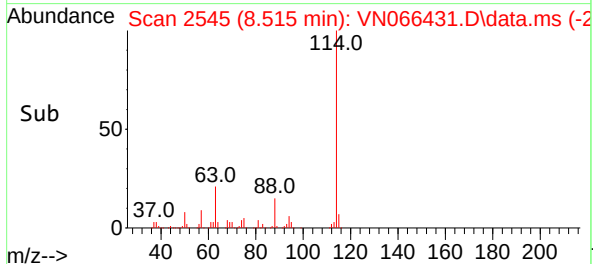
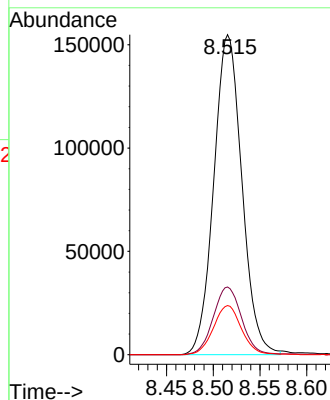
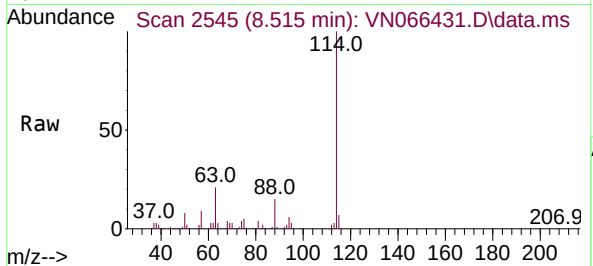
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.4	26.0
88	15.3	12.6	19.0

Instrument :
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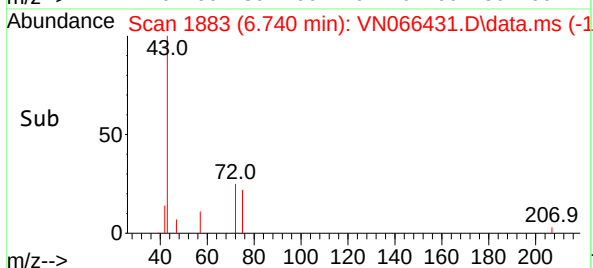
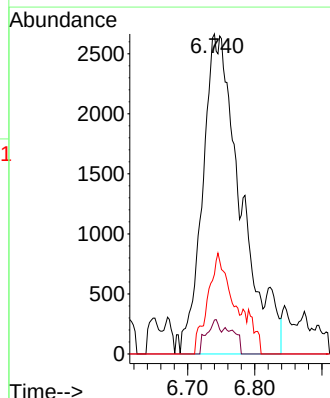
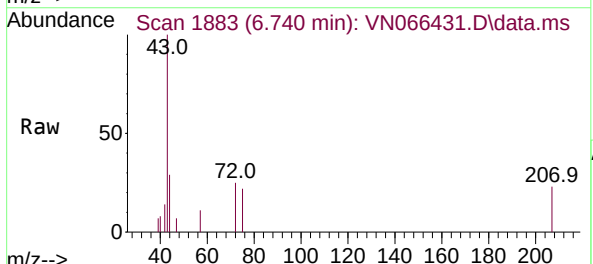
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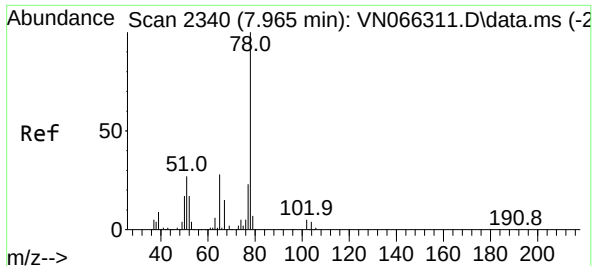
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#30
2-Butanone
Concen: 3.70 ug/l m
RT: 6.740 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
57	1.5	6.9	10.3#
72	15.8	20.9	31.3#





#34
Benzene
Concen: 1.28 ug/l
RT: 7.963 min Scan# 2339
Delta R.T. -0.002 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

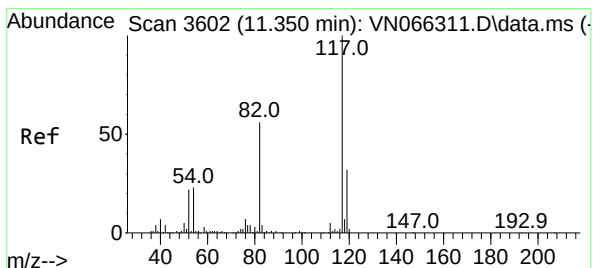
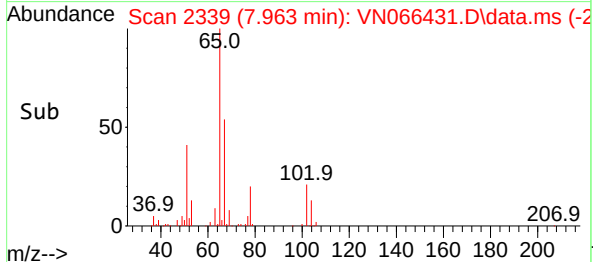
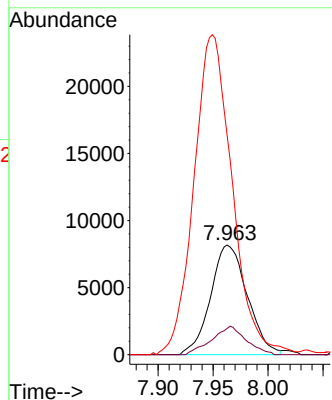
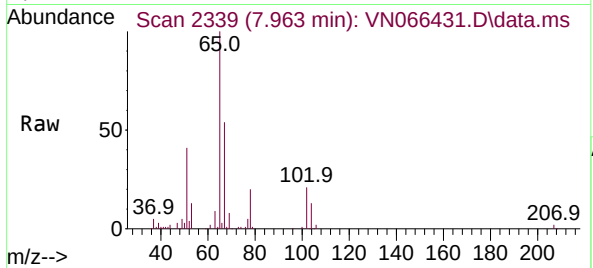
Tgt Ion: 78	Resp: 18970		
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.6	27.8
51	192.8	21.9	32.9#

Instrument :
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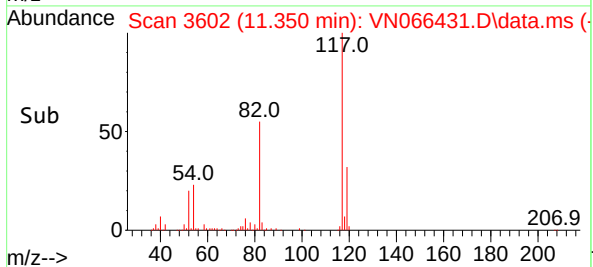
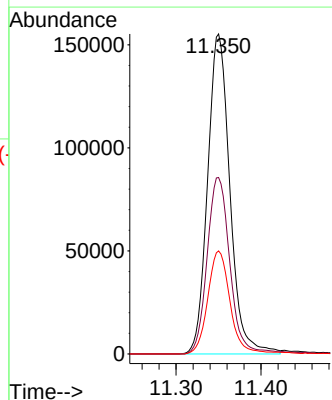
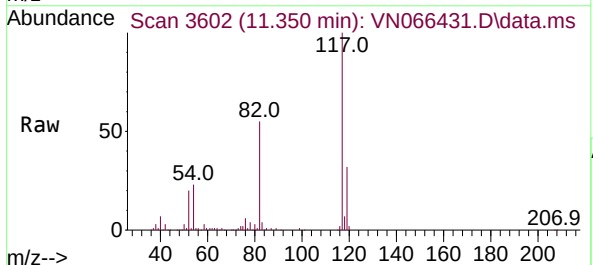
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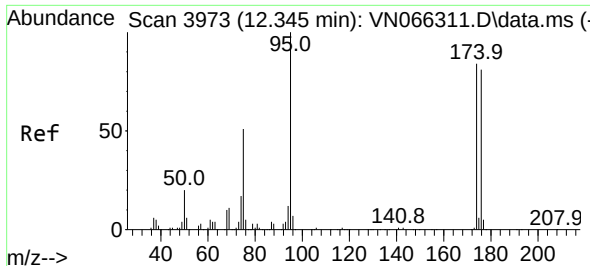
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#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

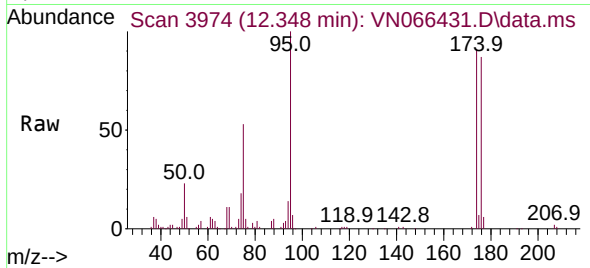
Tgt Ion:117	Resp: 283580		
Ion Ratio	Lower	Upper	
117 100			
82 56.0	45.0	67.6	
119 31.9	25.5	38.3	





#60
4-Bromofluorobenzene
Concen: 25.39 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Instrument :
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ClientSampleId :
EL-509-WATER-SAMPLE

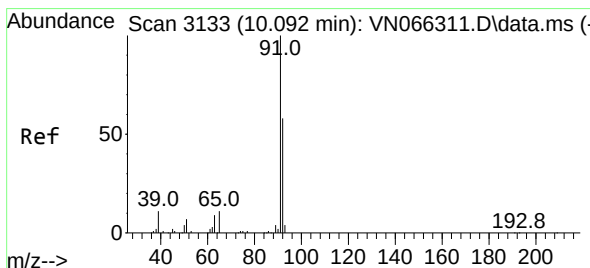
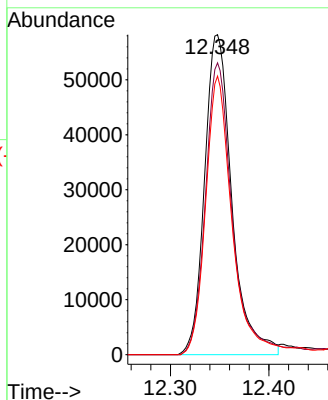
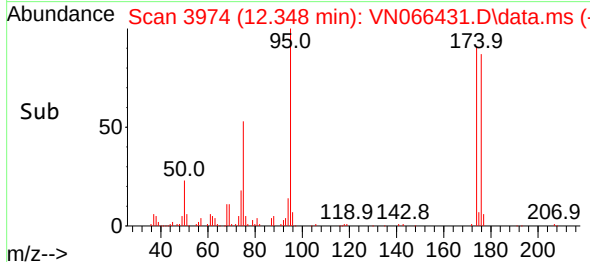


Tgt Ion: 95 Resp: 112354
Ion Ratio Lower Upper
95 100
174 90.1 68.1 102.1
176 84.3 65.4 98.0

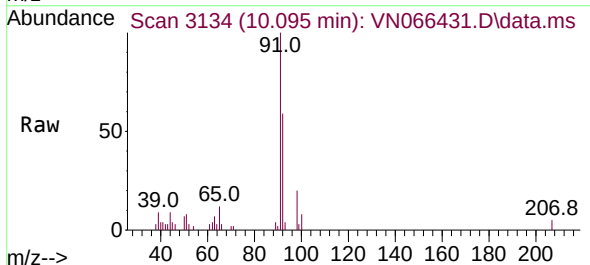
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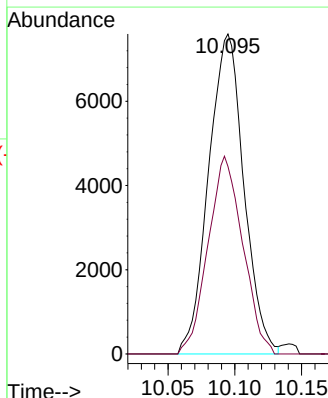
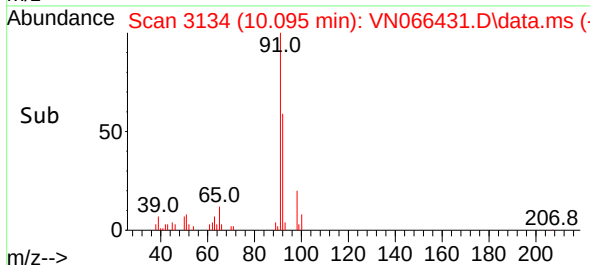
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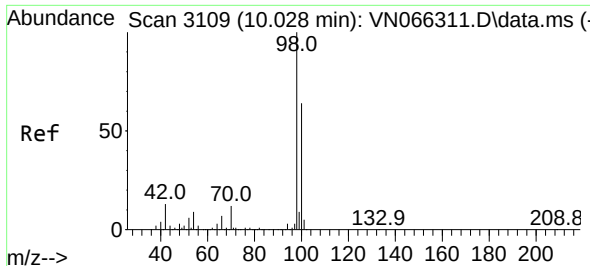


#62
Toluene
Concen: 0.89 ug/l
RT: 10.095 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39



Tgt Ion: 91 Resp: 13946
Ion Ratio Lower Upper
91 100
92 60.7 46.2 69.2





#63
Toluene-d8
Concen: 30.01 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

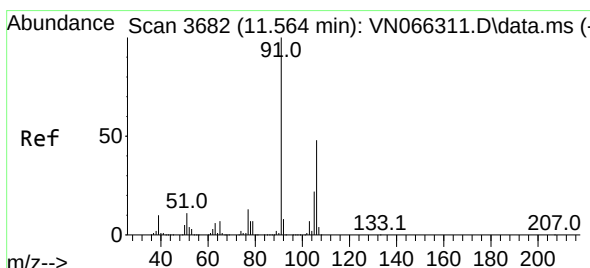
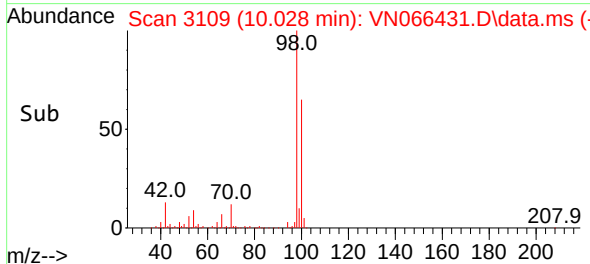
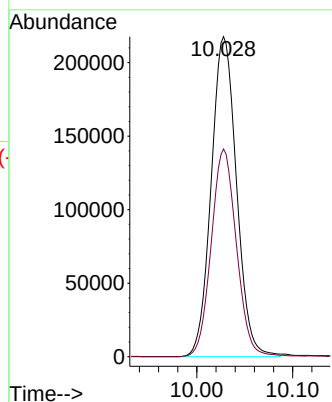
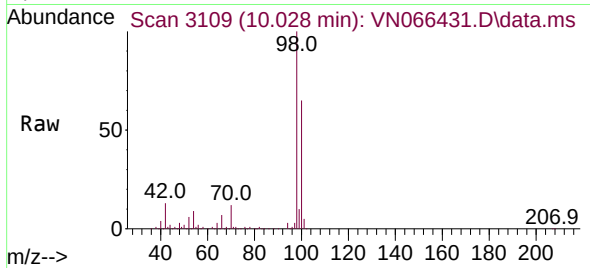
Tgt Ion: 98 Resp: 399366
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7

Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

Manual Integrations
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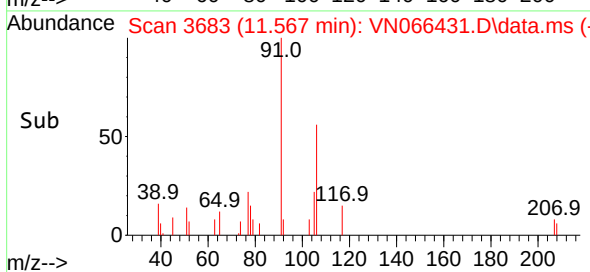
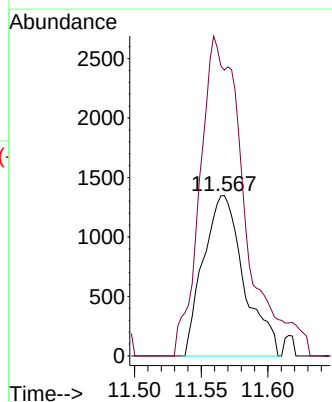
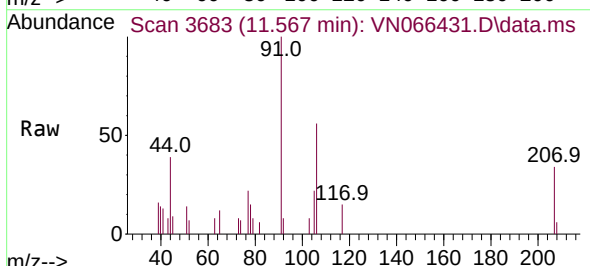
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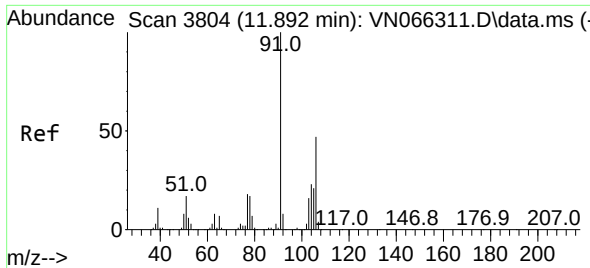
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#67
m/p-Xylenes
Concen: 0.45 ug/l m
RT: 11.567 min Scan# 3683
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion:106 Resp: 2851
Ion Ratio Lower Upper
106 100
91 118.3 164.8 247.2#





#68
o-Xylene
Concen: 0.40 ug/l m
RT: 11.897 min Scan# 3806
Delta R.T. 0.005 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

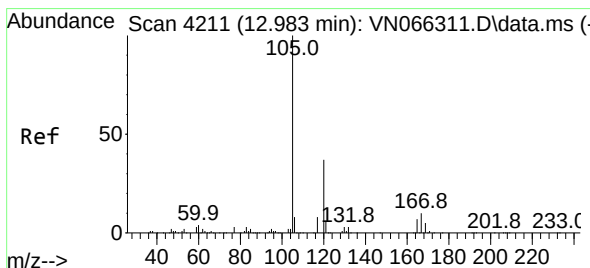
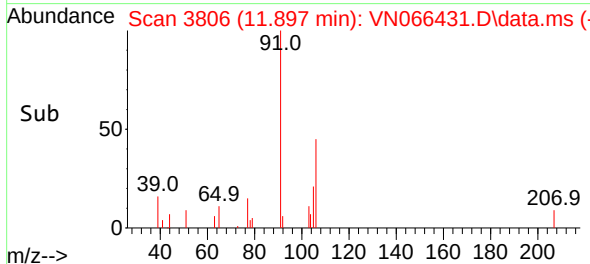
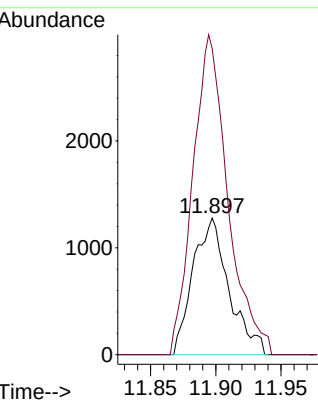
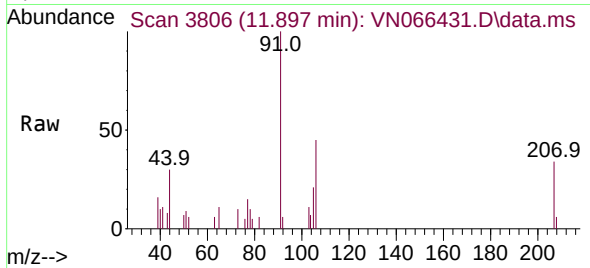
Tgt Ion:106 Resp: 2454
Ion Ratio Lower Upper
106 100
91 227.7 107.1 321.4

Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

Manual Integrations
APPROVED

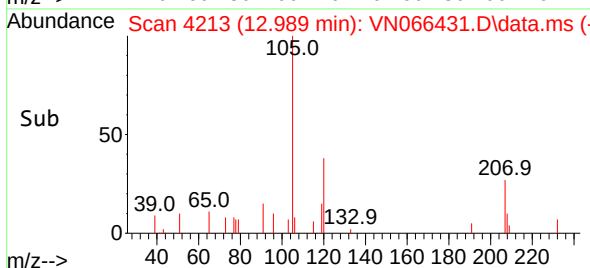
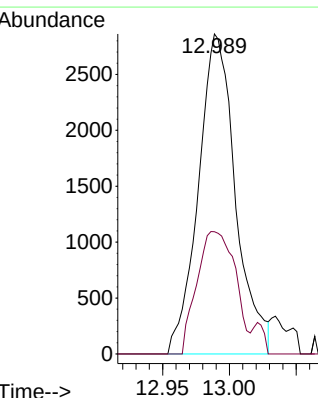
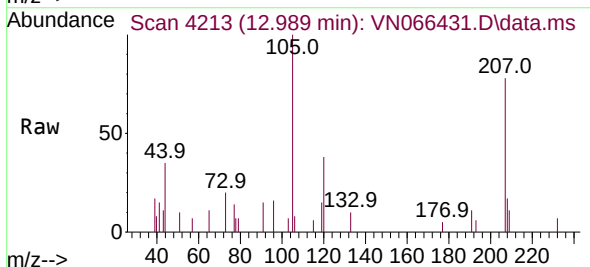
MMDadoda

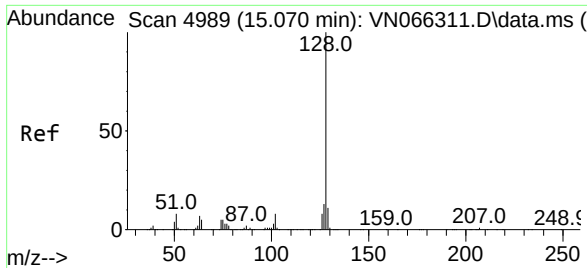
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#80
1,2,4-Trimethylbenzene
Concen: 0.43 ug/l
RT: 12.989 min Scan# 4213
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion:105 Resp: 5544
Ion Ratio Lower Upper
105 100
120 39.6 0.0 90.6





#91
Naphthalene
Concen: 6.89 ug/l
RT: 15.070 min Scan# 4989
Delta R.T. 0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.3	8.6	13.0

Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

Manual Integrations
APPROVED

MMDadoda

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