

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054167.D
 Acq On : 12 Mar 2019 16:56
 Operator : JC/SP
 Sample : K1560-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:48:36 AM

Quant Time: Mar 13 11:39:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 11:34:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1509931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2228069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1928417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	769705	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	786044	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.59	113	703405	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.09	98	2572975	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	842748	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	28598	1.998 ug/l	99
3) Chloromethane	2.06	50	33088	2.380 ug/l	97
4) Vinyl Chloride	2.19	62	36167	2.276 ug/l	98
5) Bromomethane	2.56	94	46221	4.200 ug/l	99
6) Chloroethane	2.70	64	23207	2.414 ug/l	94
7) Trichlorofluoromethane	3.02	101	48813	2.311 ug/l	99
8) Diethyl Ether	3.41	74	20455	2.125 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	32295	2.040 ug/l	96
10) Methyl Iodide	3.94	142	118514	5.691 ug/l	98
11) Tert butyl alcohol	4.81	59	46576	42.369 ug/l #	70
12) 1,1-Dichloroethene	3.73	96	31569	2.012 ug/l	96
13) Acrolein	3.61	56	52718	50.608 ug/l	96
14) Allyl chloride	4.32	41	35163	1.747 ug/l	92
15) Acrylonitrile	5.00	53	43265	9.581 ug/l	99
16) Acetone	3.82	43	81482	17.747 ug/l	98
17) Carbon Disulfide	4.04	76	74602	1.897 ug/l	99
18) Methyl Acetate	4.33	43	18962	2.041 ug/l	96
19) Methyl tert-butyl Ether	5.05	73	77679	1.998 ug/l	97
20) Methylene Chloride	4.54	84	33256	2.206 ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	30946	2.059 ug/l	94
22) Diisopropyl ether	5.96	45	77591	1.932 ug/l	97
23) Vinyl Acetate	5.90	43	266301	8.992 ug/l	99
24) 1,1-Dichloroethane	5.85	63	52577	2.039 ug/l	98
25) 2-Butanone	6.86	43	49831	9.247 ug/l	97
26) 2,2-Dichloropropane	6.82	77	43329	1.910 ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	34966	2.085 ug/l	97
28) Bromochloromethane	7.19	49	22009	2.087 ug/l	96
29) Tetrahydrofuran	7.22	42	32044	9.248 ug/l	100
30) Chloroform	7.37	83	53347	1.982 ug/l	94
31) Cyclohexane	7.65	56	67043	2.415 ug/l #	75
32) 1,1,1-Trichloroethane	7.57	97	46520	1.914 ug/l	98
36) 1,1-Dichloropropene	7.79	75	40483	1.973 ug/l	98
37) Ethyl Acetate	6.95	43	20687	1.755 ug/l	96
38) Carbon Tetrachloride	7.77	117	39784	1.849 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	51015	2.021	ug/l	98
40) Benzene	8.04	78	117300	1.998	ug/l	95
41) Methacrylonitrile	7.18	41	11794	1.752	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	40661	2.051	ug/l	98
43) Isopropyl Acetate	8.17	43	36896	1.783	ug/l	98
44) Trichloroethene	8.84	130	36492	2.001	ug/l	94
45) 1,2-Dichloropropane	9.12	63	29203	2.003	ug/l	99
46) Dibromomethane	9.21	93	19350	1.964	ug/l	97
47) Bromodichloromethane	9.40	83	37846	1.916	ug/l	98
48) Methyl methacrylate	9.20	41	19226	1.831	ug/l	93
49) 1,4-Dioxane	9.20	88	5060	34.063	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	100268	9.156	ug/l	97
52) Toluene	10.16	92	76860	2.064	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	33846	1.684	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	41762	1.815	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	27740	2.041	ug/l	96
56) Ethyl methacrylate	10.43	69	28710	1.771	ug/l	96
57) 1,3-Dichloropropane	10.71	76	44721	2.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	53595	8.729	ug/l	99
59) 2-Hexanone	10.75	43	64677	8.876	ug/l	98
60) Dibromochloromethane	10.90	129	26012	1.700	ug/l	96
61) 1,2-Dibromoethane	11.00	107	27309	1.977	ug/l	95
64) Tetrachloroethene	10.63	164	38981	2.091	ug/l	98
65) Chlorobenzene	11.43	112	86703	2.048	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	28494	1.852	ug/l	89
67) Ethyl Benzene	11.51	91	141494	2.016	ug/l	98
68) m/p-Xylenes	11.62	106	109624	3.996	ug/l	100
69) o-Xylene	11.95	106	55277	2.067	ug/l	100
70) Styrene	11.96	104	79216	1.889	ug/l	96
71) Bromoform	12.13	173	16976	1.667	ug/l #	99
73) Isopropylbenzene	12.25	105	149248	2.424	ug/l	99
74) N-amyl acetate	12.07	43	25599	1.873	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	29374	2.239	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	25410m	2.245	ug/l	
77) Bromobenzene	12.53	156	36566	2.244	ug/l	99
78) n-propylbenzene	12.59	91	149044	2.231	ug/l	100
79) 2-Chlorotoluene	12.67	91	93745	2.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	114380	2.233	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	5886m	1.778	ug/l	
82) 4-Chlorotoluene	12.77	91	84864	2.115	ug/l	98
83) tert-Butylbenzene	12.99	119	110983	2.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	108018	2.150	ug/l	99
85) sec-Butylbenzene	13.17	105	140620	2.300	ug/l	99
86) p-Isopropyltoluene	13.29	119	119035	2.219	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	62515	2.277	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	57206	2.121	ug/l	91
89) n-Butylbenzene	13.62	91	80422	1.973	ug/l	99
90) Hexachloroethane	13.87	117	16626	1.872	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	57808	2.154	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4070	2.005	ug/l	99

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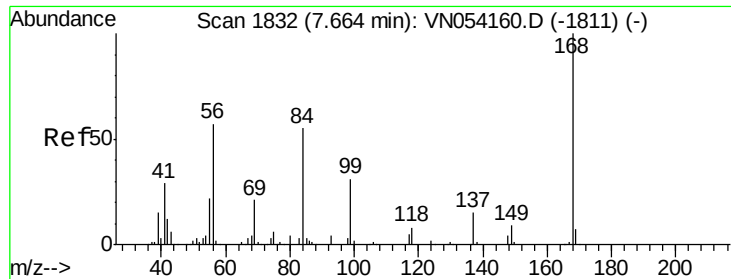
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25587	1.844	ug/l	97
94) Hexachlorobutadiene	15.01	225	26671	2.609	ug/l	100
95) Naphthalene	15.13	128	47019	1.648	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	22694	1.591	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054167.D

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Instrument :

MSVOA_N

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Tgt Ion:168 Resp: 1509931

Ion Ratio Lower Upper

168 100

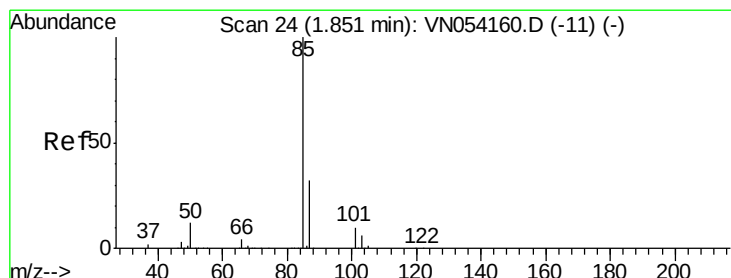
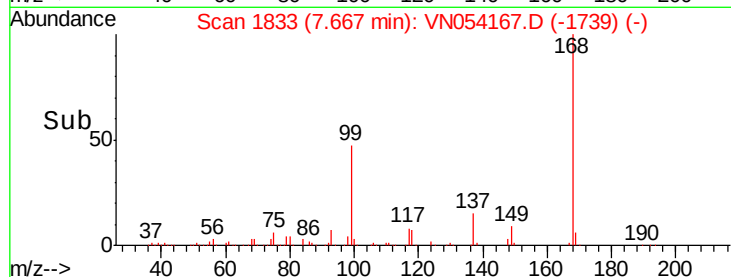
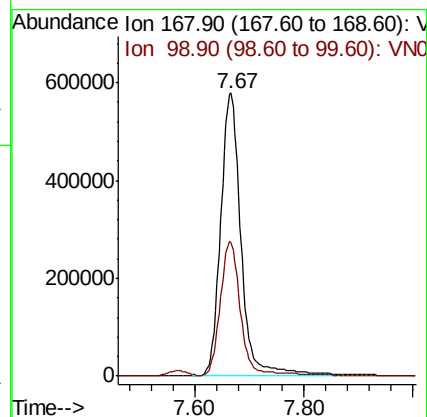
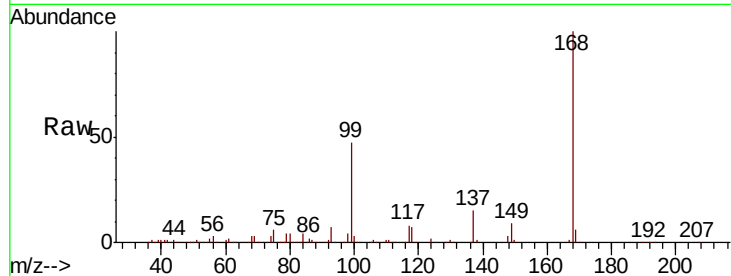
99 46.9 37.1 55.7

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#2

Dichlorodifluoromethane

Concen: 1.998 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054167.D

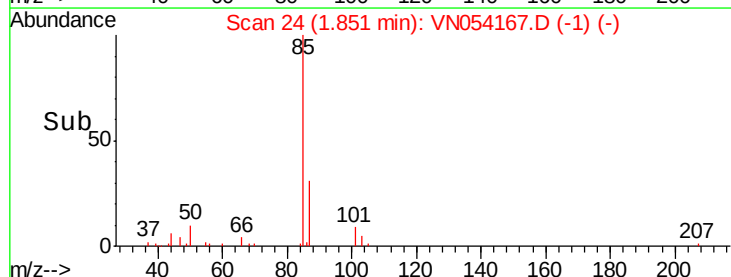
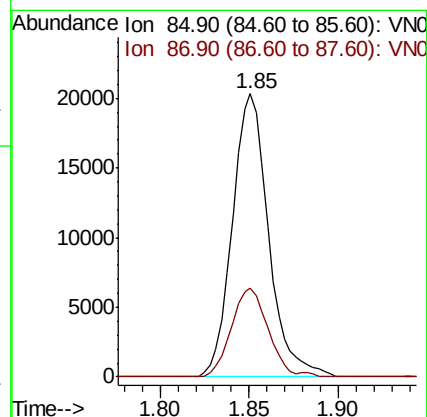
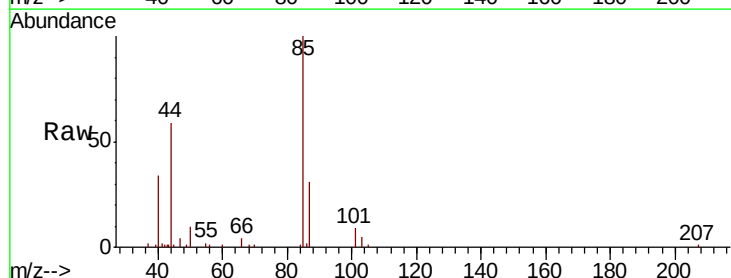
Acq: 12 Mar 2019 16:56

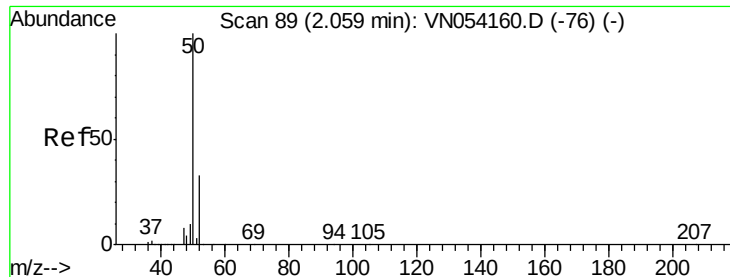
Tgt Ion: 85 Resp: 28598

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7





#3

Chloromethane

Concen: 2.380 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion: 50 Resp: 33088

Ion Ratio Lower Upper

50 100

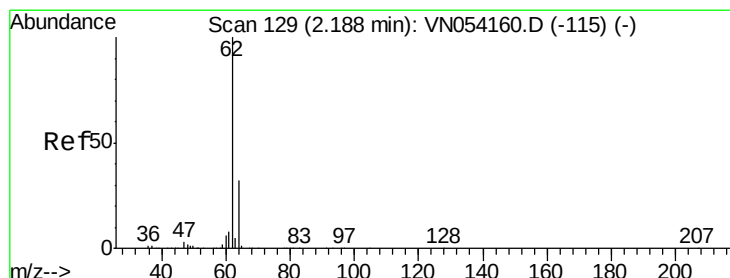
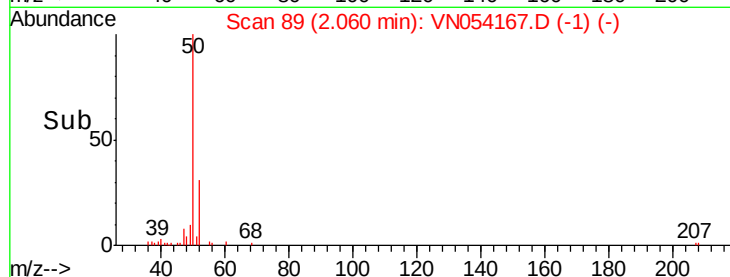
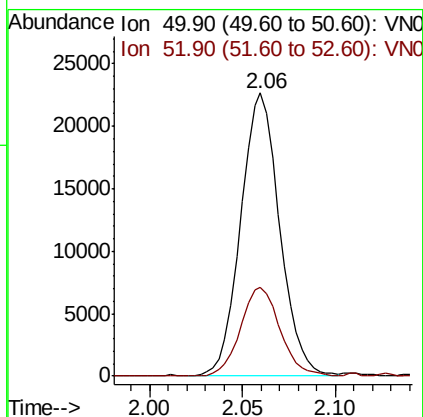
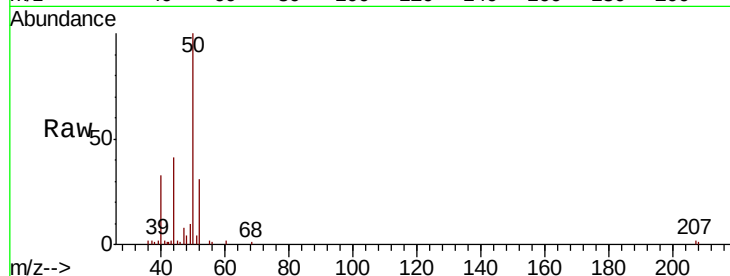
52 31.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.276 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054167.D

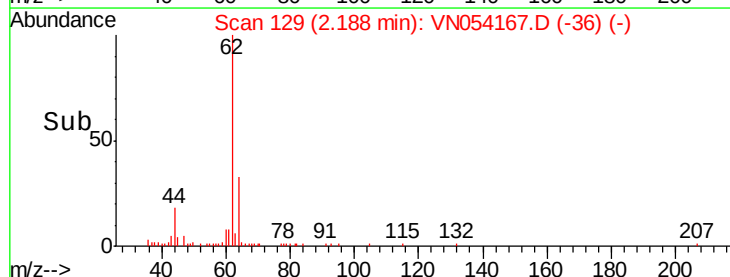
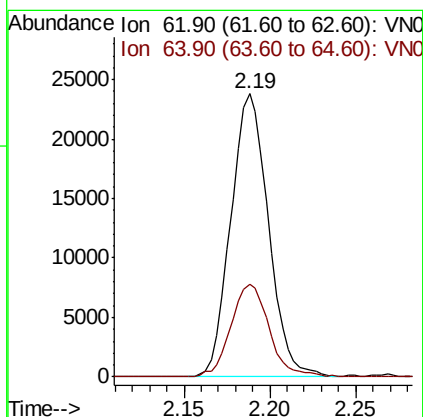
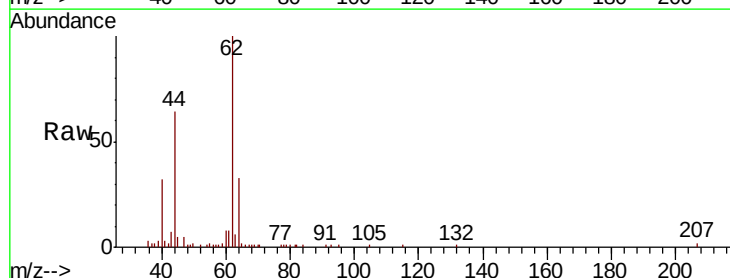
Acq: 12 Mar 2019 16:56

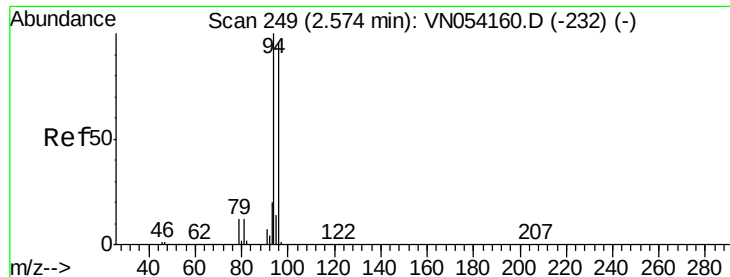
Tgt Ion: 62 Resp: 36167

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 4.200 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

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Tgt Ion: 94 Resp: 46221

Ion Ratio Lower Upper

94 100

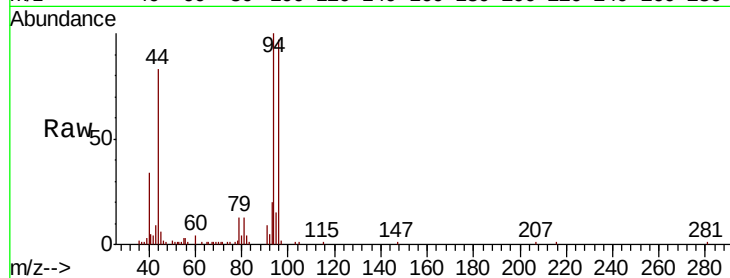
96 97.6 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

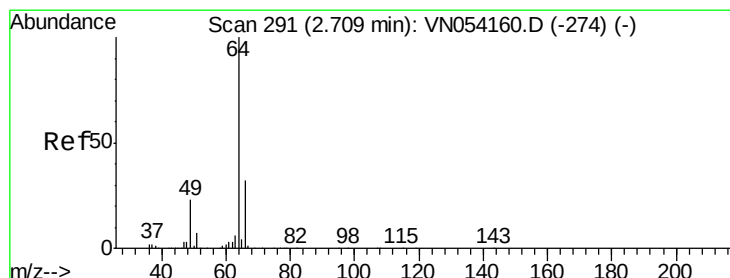
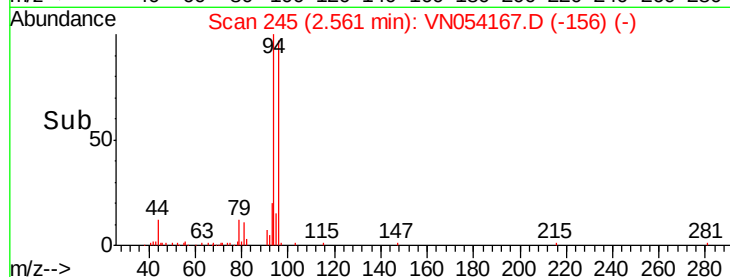
5000

0

Time-->

2.50 2.55 2.60 2.65

2.56



#6

Chloroethane

Concen: 2.414 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN054167.D

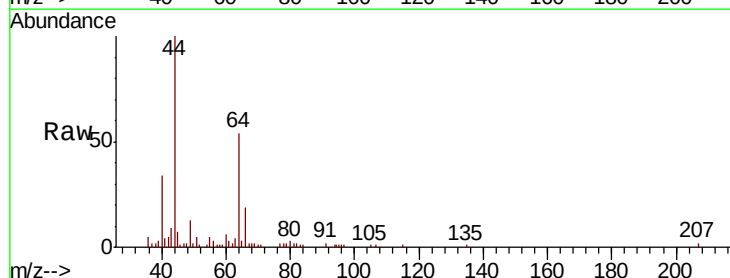
Acq: 12 Mar 2019 16:56

Tgt Ion: 64 Resp: 23207

Ion Ratio Lower Upper

64 100

66 35.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

12000

10000

8000

6000

4000

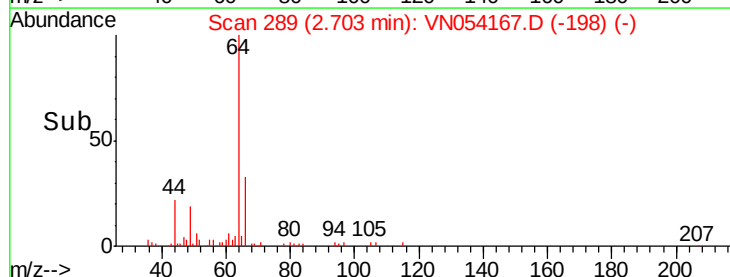
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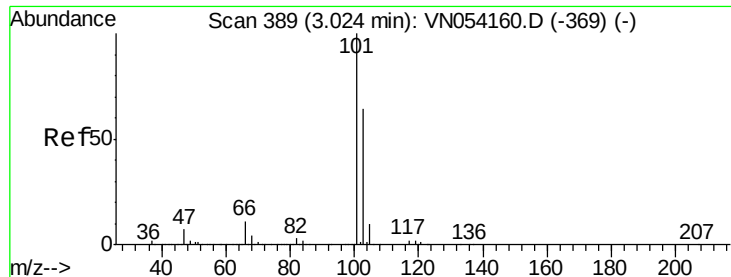
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Time-->

2.65 2.70 2.75 2.80

2.70





#7

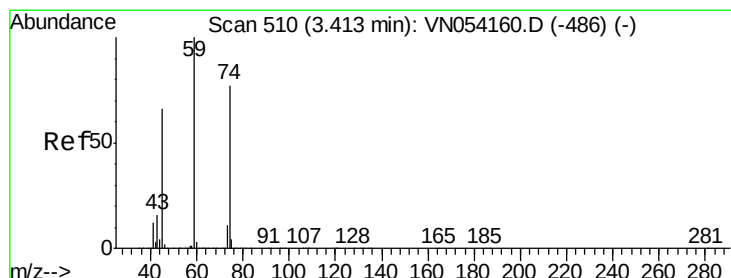
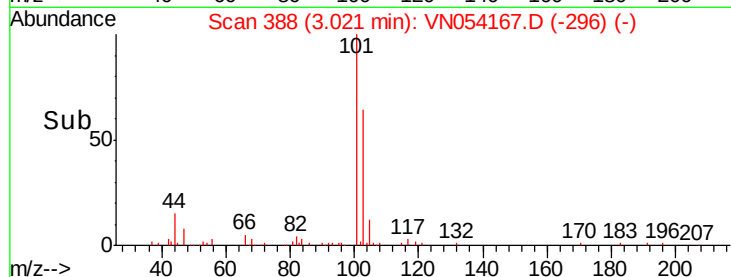
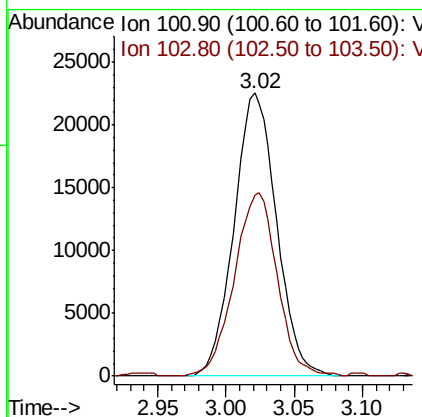
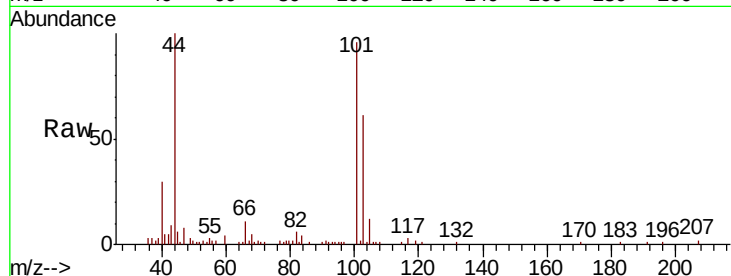
Trichlorofluoromethane
 Concen: 2.311 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
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 LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.4	77.2

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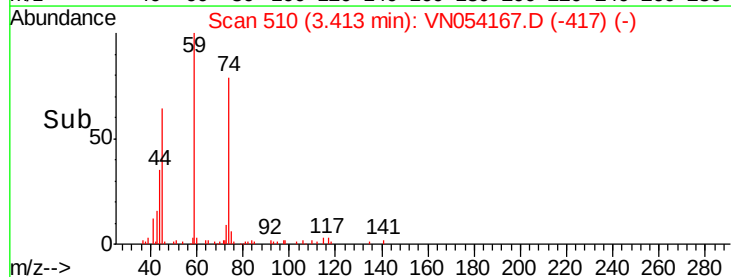
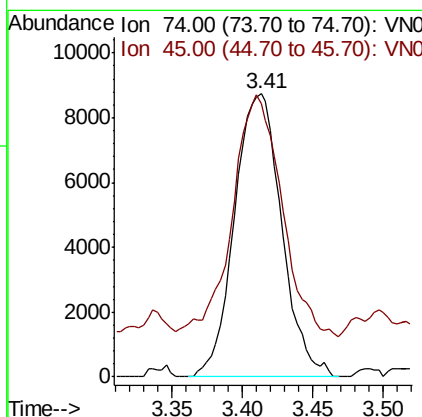
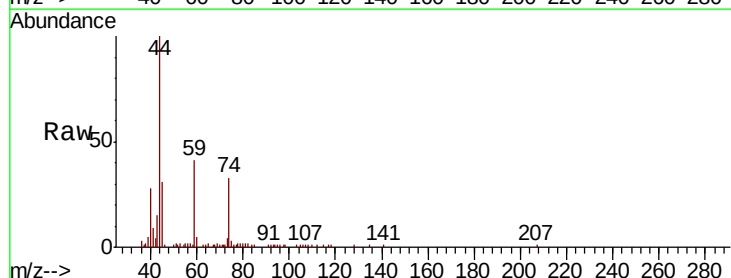
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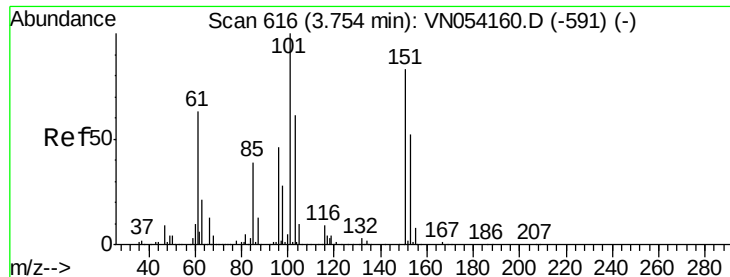


#8

Diethyl Ether
 Concen: 2.125 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.040 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

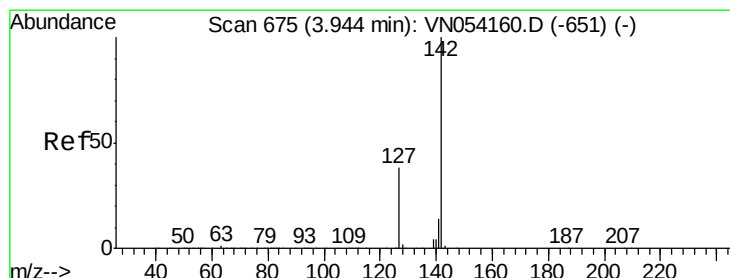
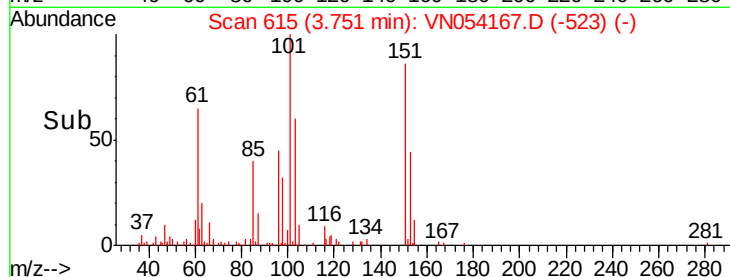
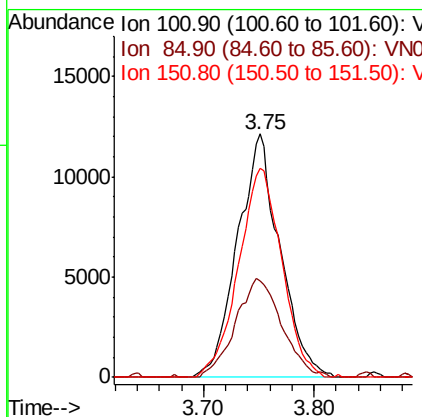
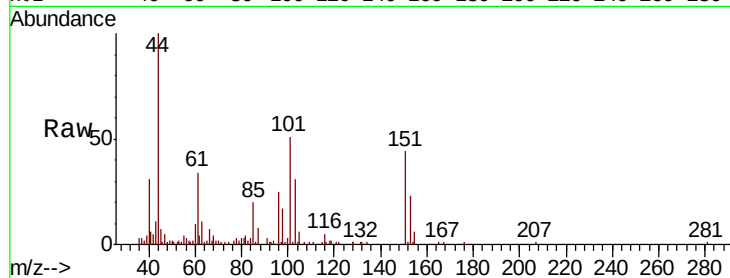
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:	101	Resp:	32295
Ion Ratio	Lower	Upper	
101	100		
85	44.3	32.4	48.6
151	87.8	68.2	102.2

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#10

Methyl Iodide

Concen: 5.691 ug/l

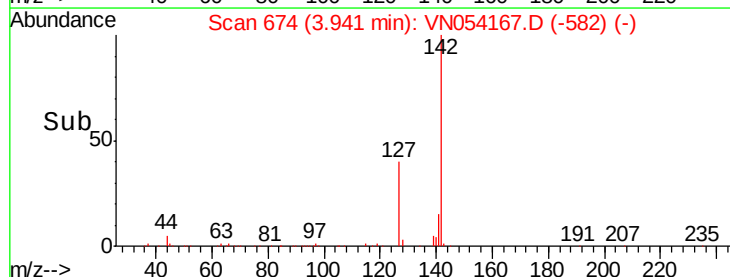
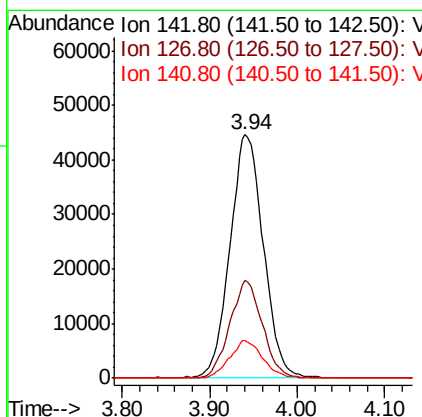
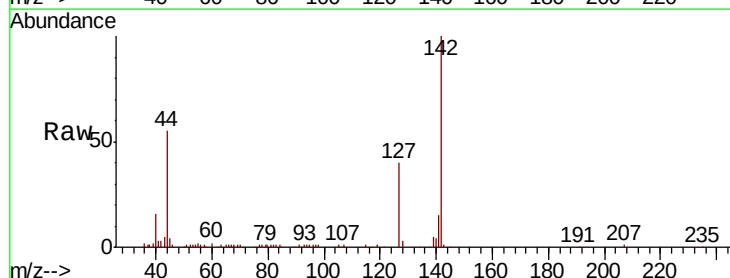
RT: 3.94 min Scan# 674

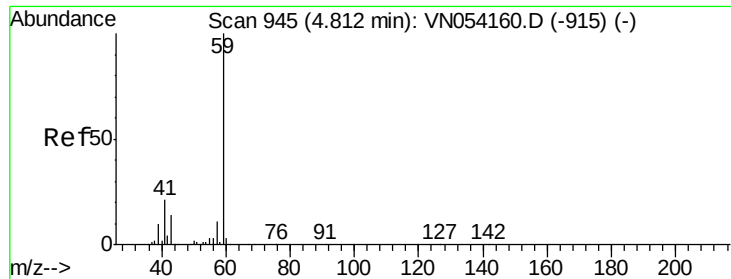
Delta R.T. -0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion:	142	Resp:	118514
Ion Ratio	Lower	Upper	
142	100		
127	38.7	30.3	45.5
141	15.4	11.2	16.8





#11

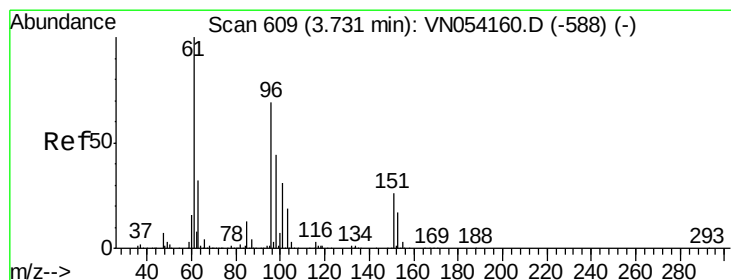
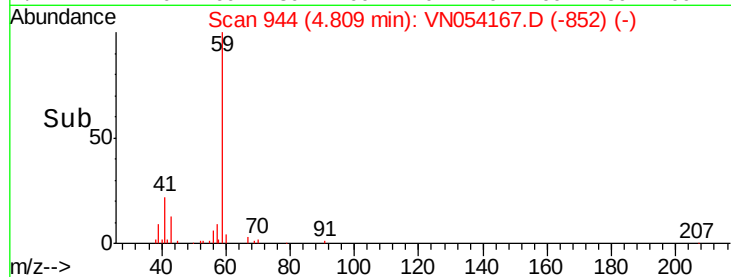
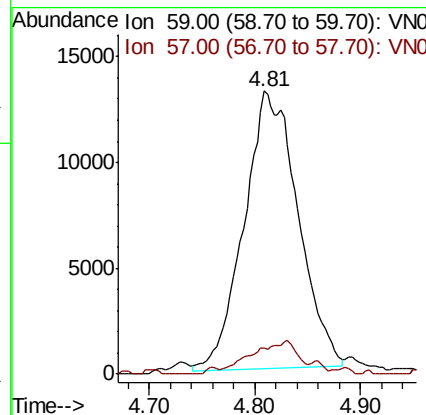
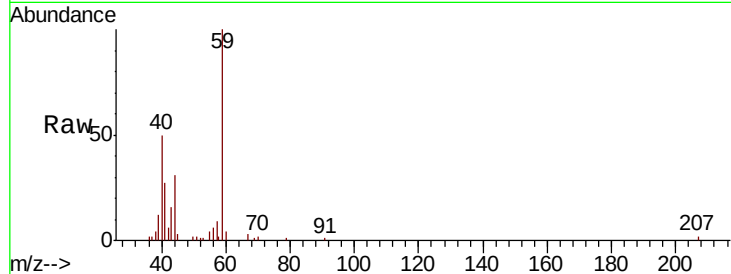
Tert butyl alcohol
 Concen: 42.369 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

Manual Integrations
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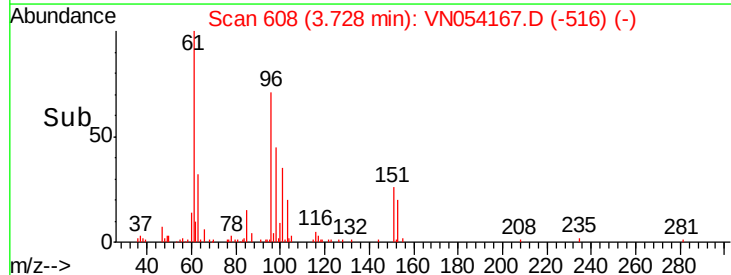
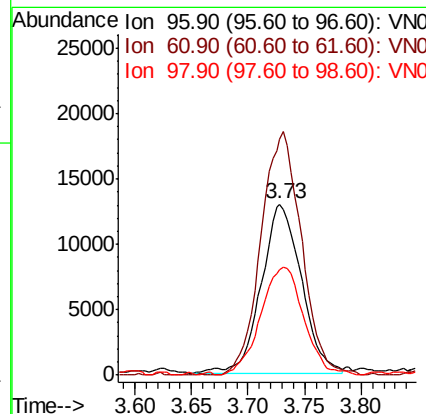
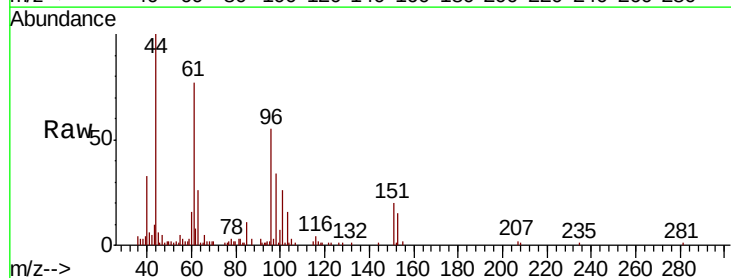
MMDadoda
 3/13/2019 11:48:36 AM

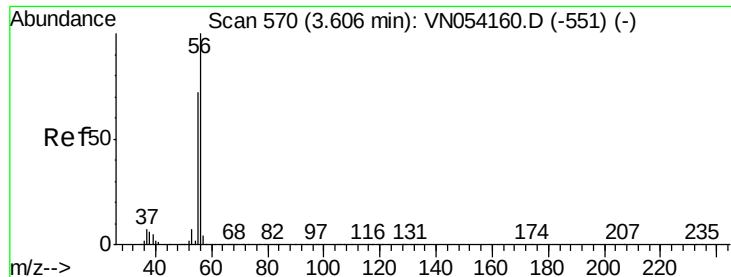


#12

1,1-Dichloroethene
 Concen: 2.012 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.5	116.5	174.7
98	61.6	51.0	76.4





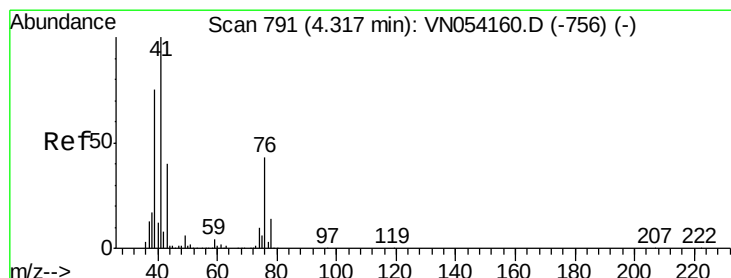
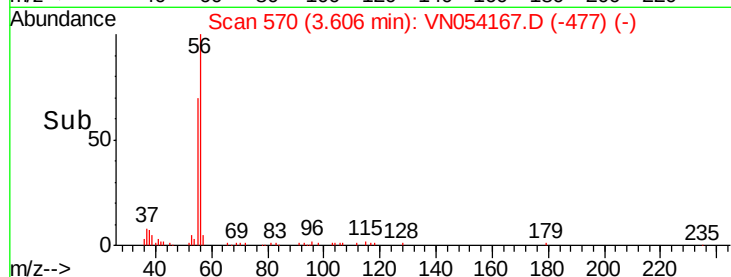
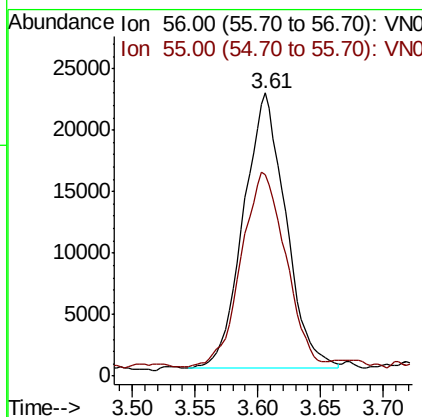
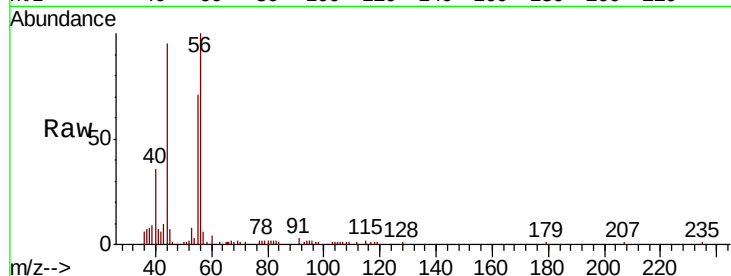
#13
Acrolein
Concen: 50.608 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
56	100		
55	74.0	56.7	85.1

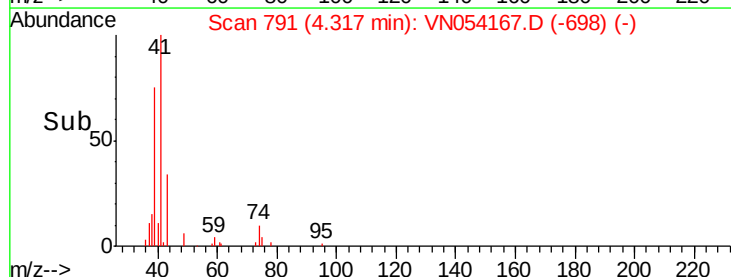
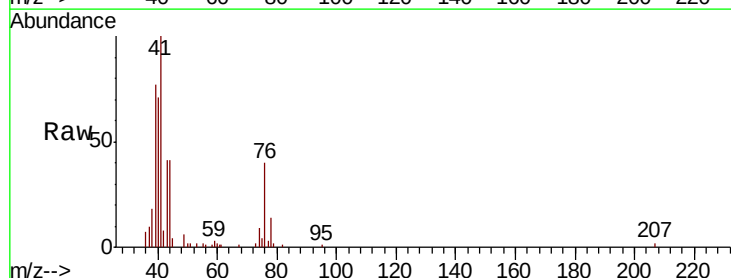
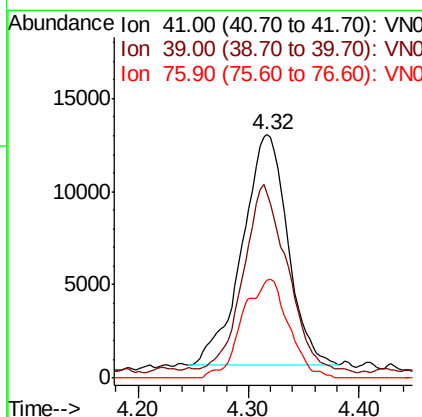
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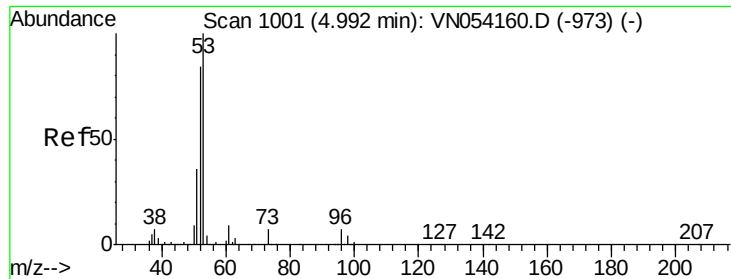
MMDadoda
3/13/2019 11:48:36 AM



#14
Allyl chloride
Concen: 1.747 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.2	58.2	87.4
76	44.1	31.7	47.5





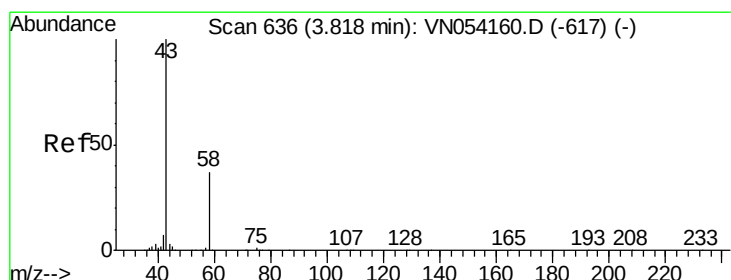
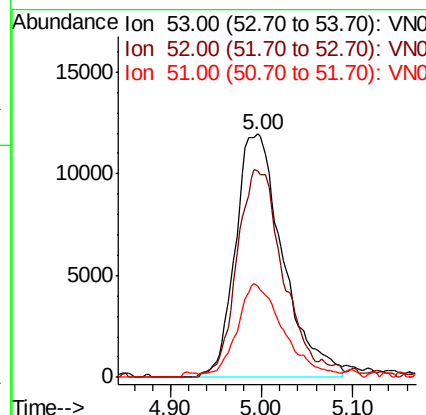
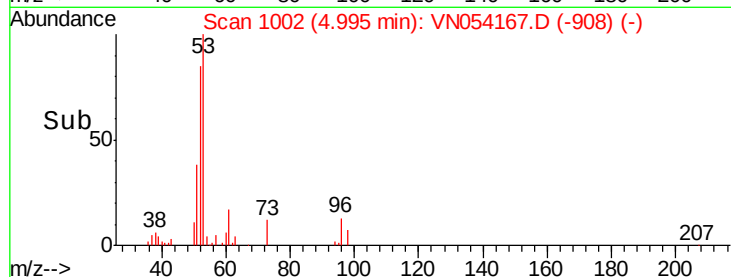
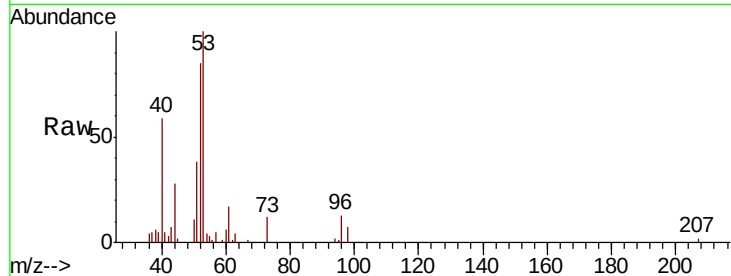
#15
Acrylonitrile
Concen: 9.581 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	37.7	29.6	44.4

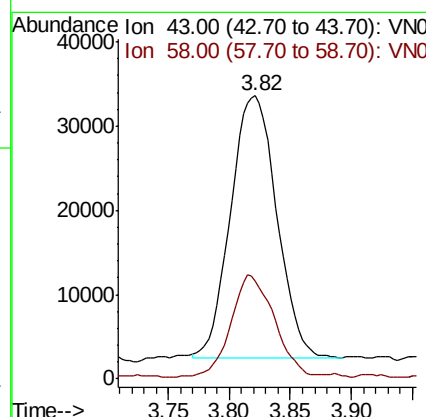
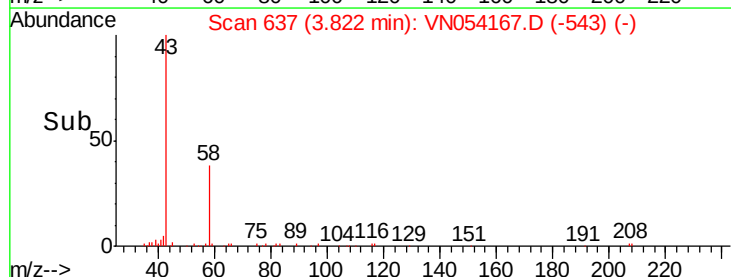
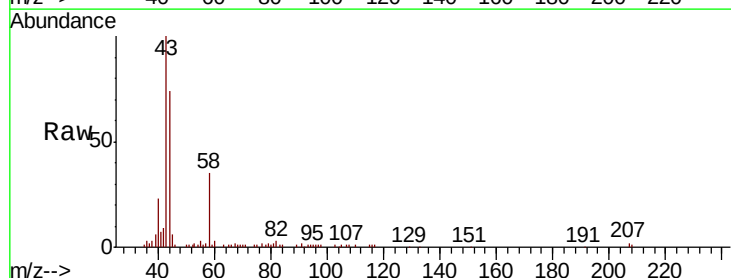
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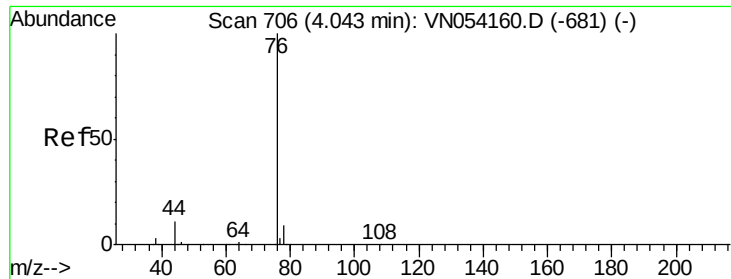
MMDadoda
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#16
Acetone
Concen: 17.747 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.9	44.9





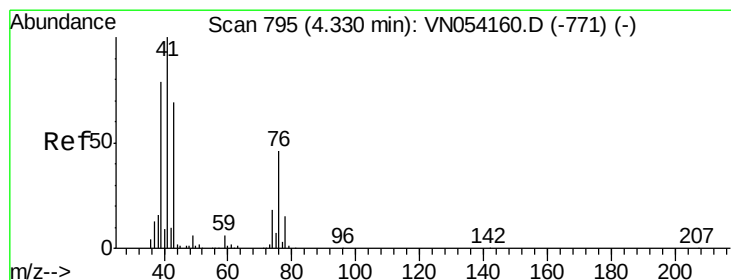
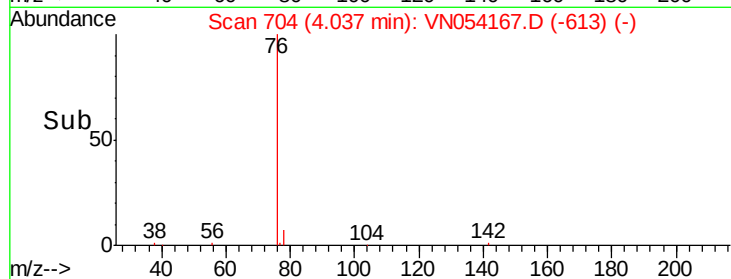
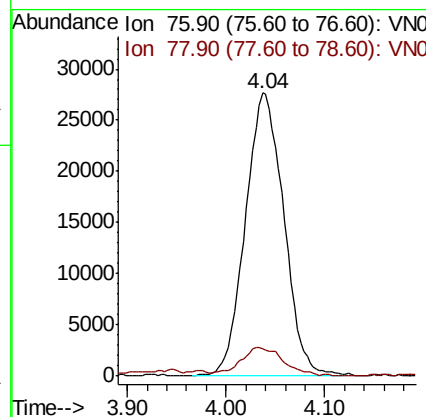
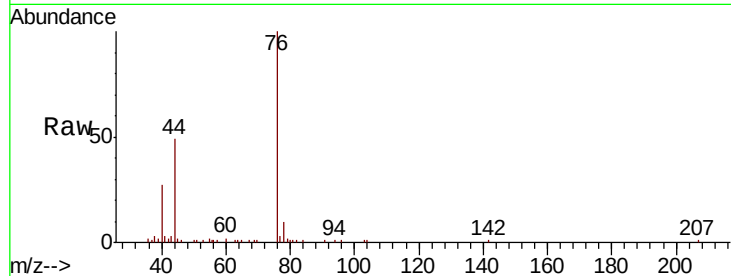
#17
Carbon Disulfide
Concen: 1.897 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 76 Resp: 74602
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3

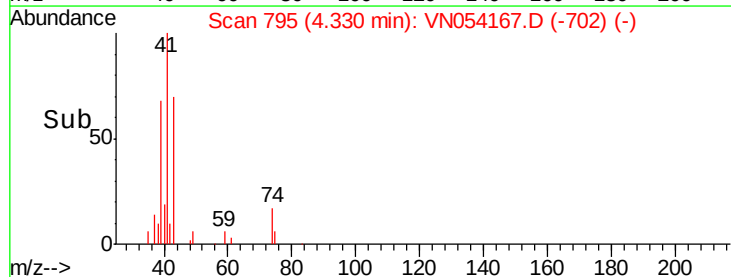
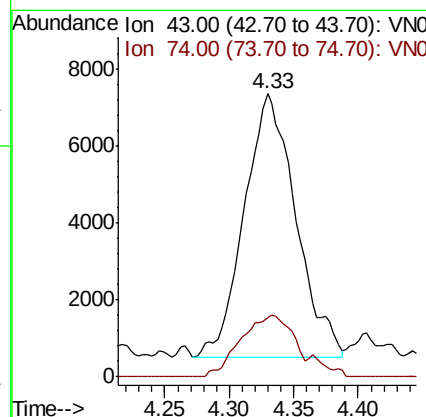
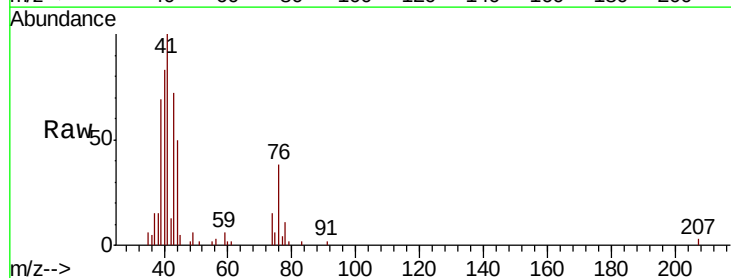
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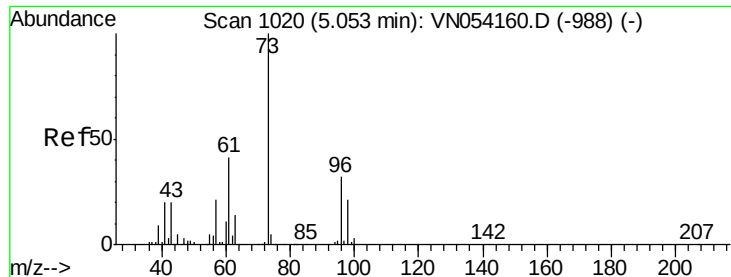
MMDadoda
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#18
Methyl Acetate
Concen: 2.041 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 43 Resp: 18962
Ion Ratio Lower Upper
43 100
74 24.1 20.8 31.2





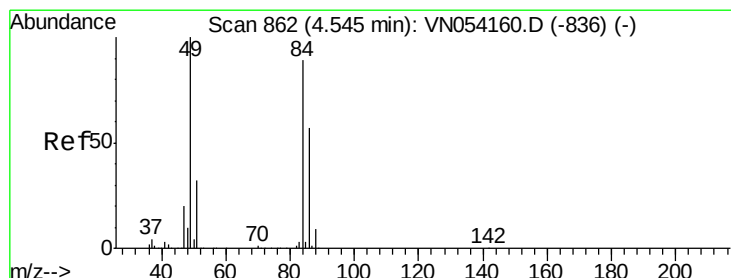
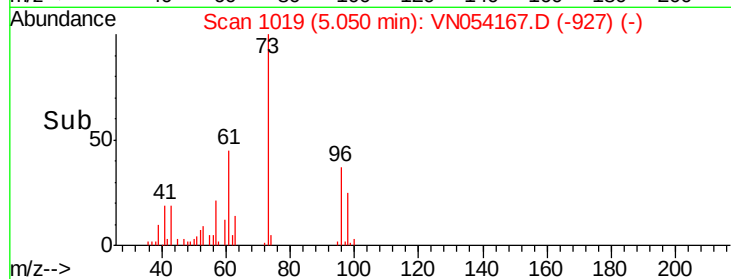
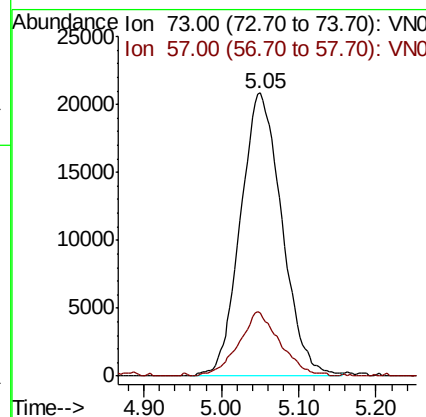
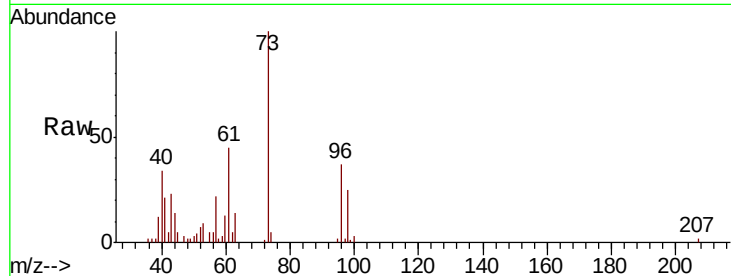
#19
Methyl tert-butyl Ether
Concen: 1.998 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 73 Resp: 77679
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

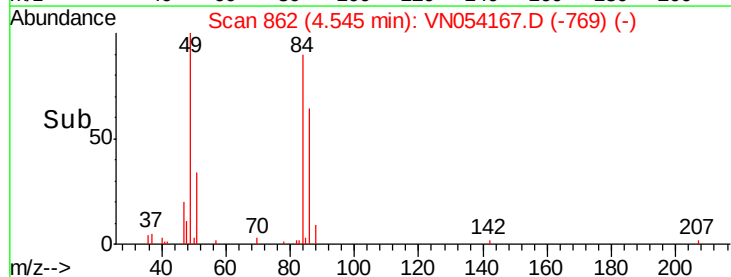
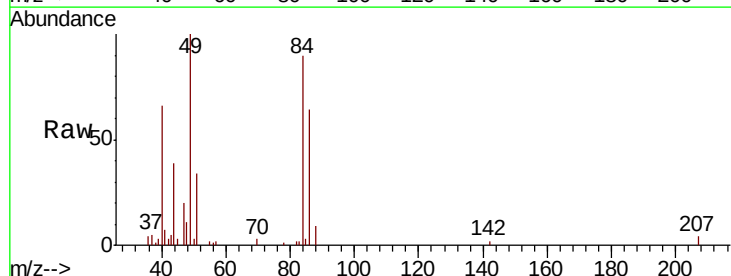
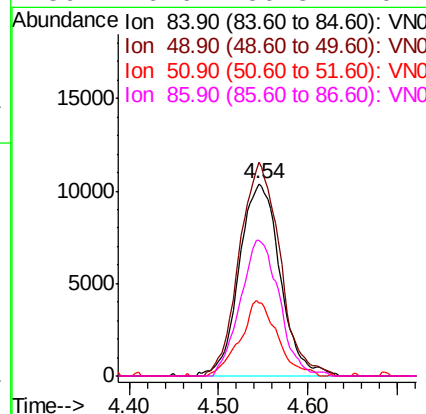
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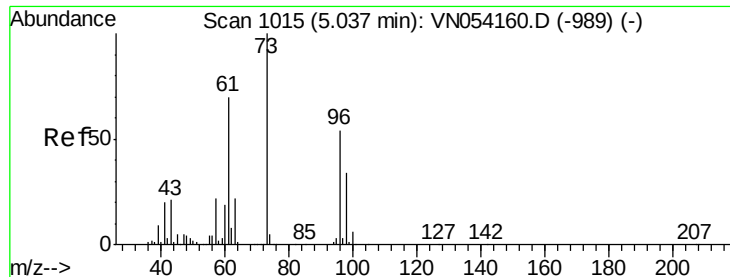
MMDadoda
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#20
Methylene Chloride
Concen: 2.206 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 84 Resp: 33256
Ion Ratio Lower Upper
84 100
49 110.9 89.7 134.5
51 37.8 28.2 42.4
86 70.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 2.059 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

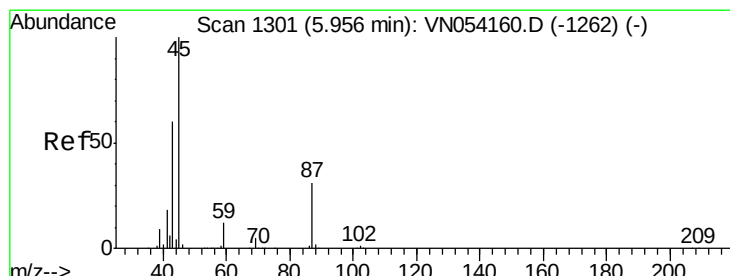
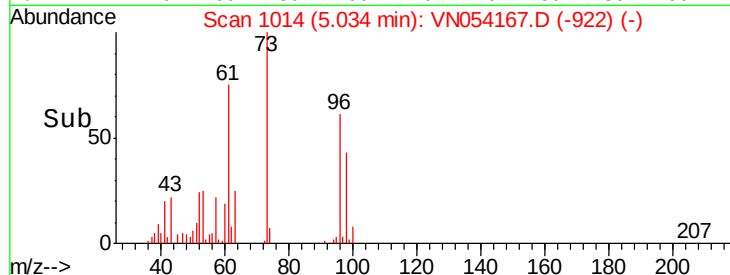
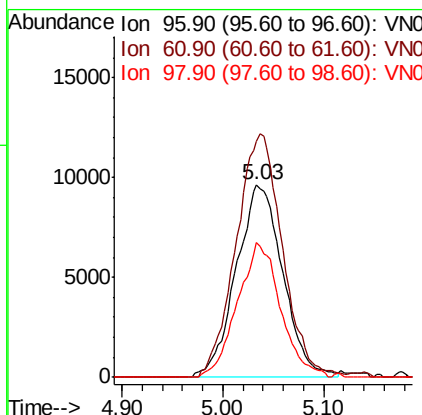
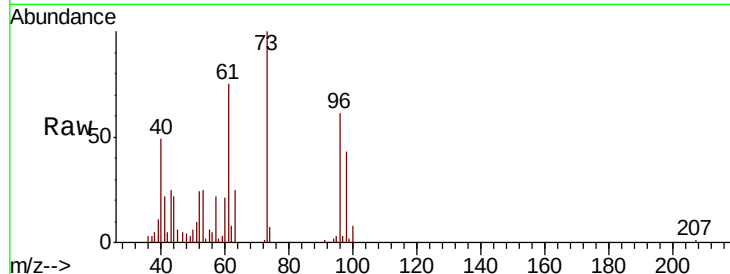
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 96 Resp: 30946

Ion	Ratio	Lower	Upper
96	100		
61	122.7	102.8	154.2
98	69.8	50.0	75.0

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#22

Diisopropyl ether

Concen: 1.932 ug/l

RT: 5.96 min Scan# 1301

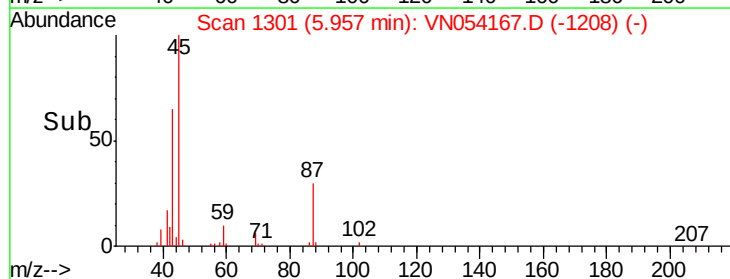
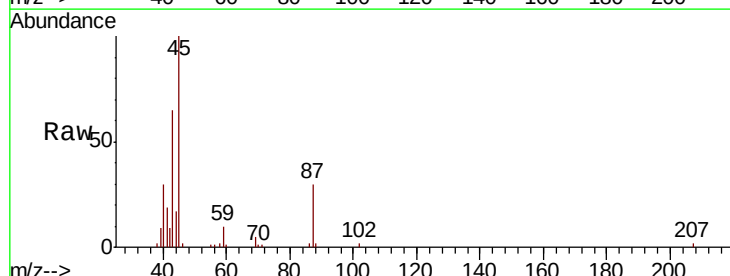
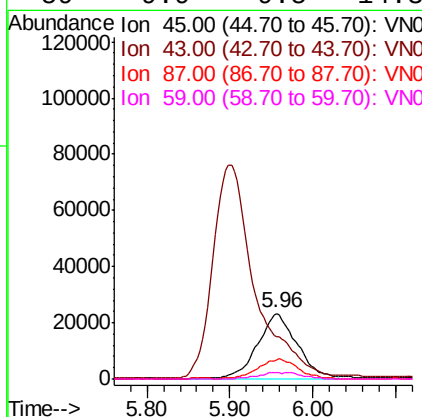
Delta R.T. 0.00 min

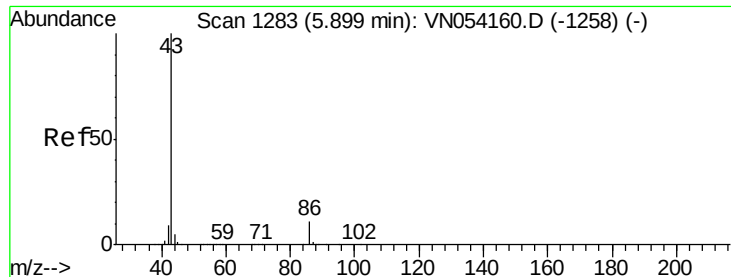
Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion: 45 Resp: 77591

Ion	Ratio	Lower	Upper
45	100		
43	58.6	48.2	72.2
87	29.6	24.9	37.3
59	9.9	9.5	14.3





#23

Vinyl Acetate

Concen: 8.992 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion: 43 Resp: 266301

Ion Ratio Lower Upper

43 100

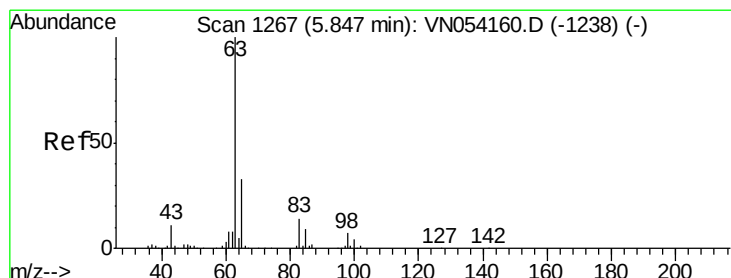
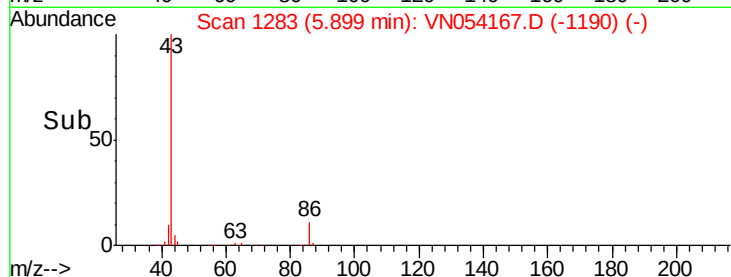
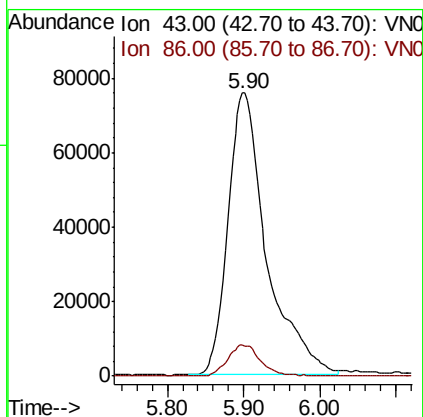
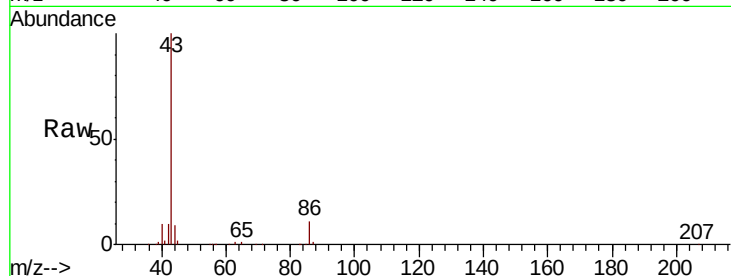
86 11.0 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 2.039 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

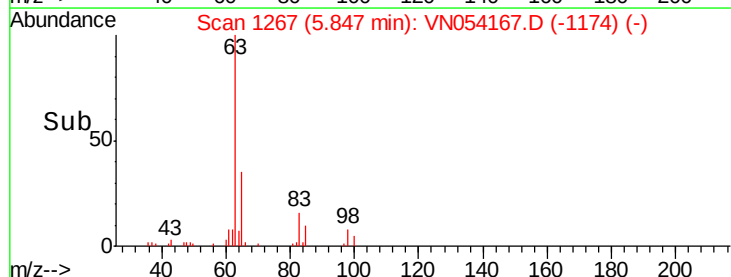
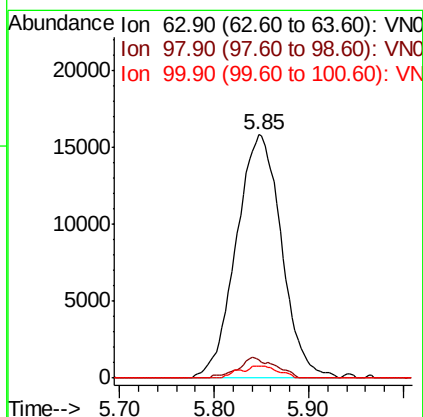
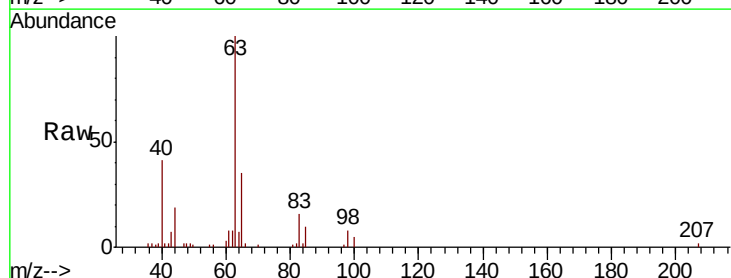
Tgt Ion: 63 Resp: 52577

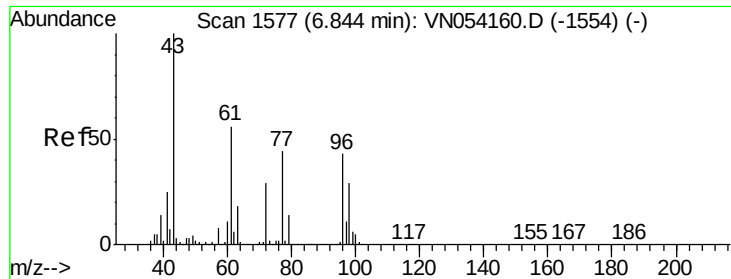
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.0 2.0 6.0





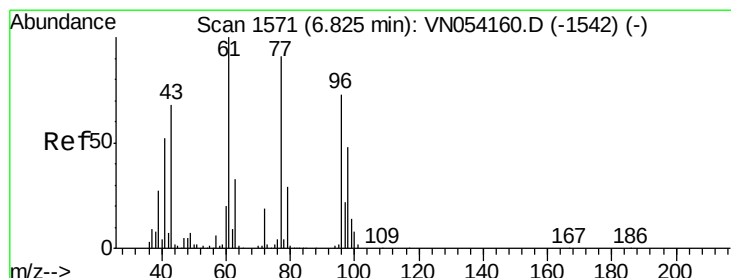
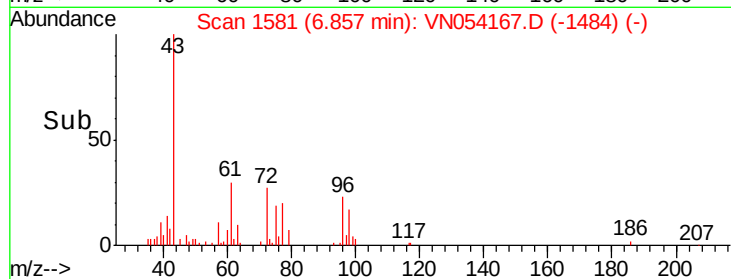
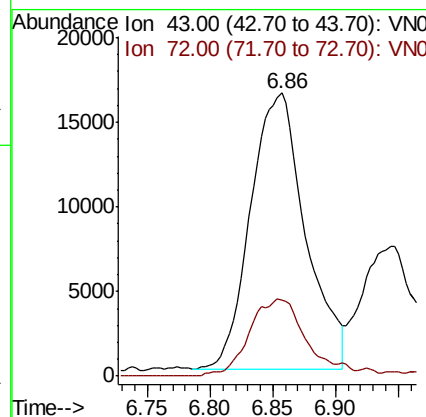
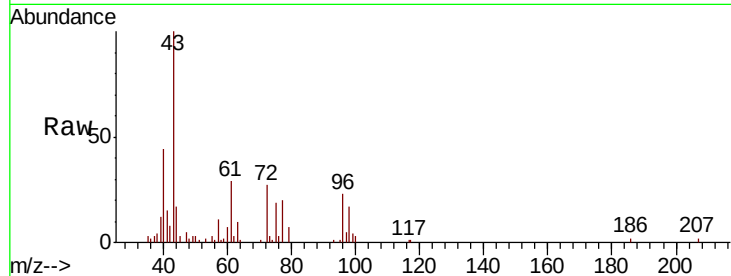
#25
2-Butanone
Concen: 9.247 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 43 Resp: 49831
Ion Ratio Lower Upper
43 100
72 27.4 23.0 34.6

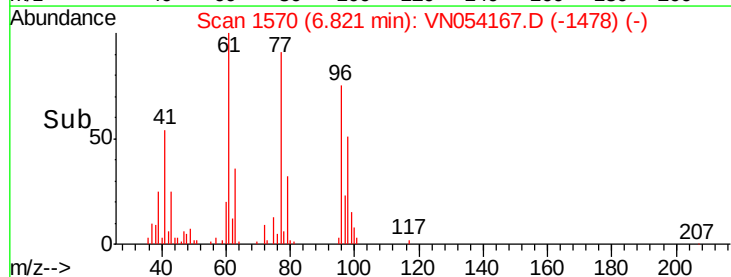
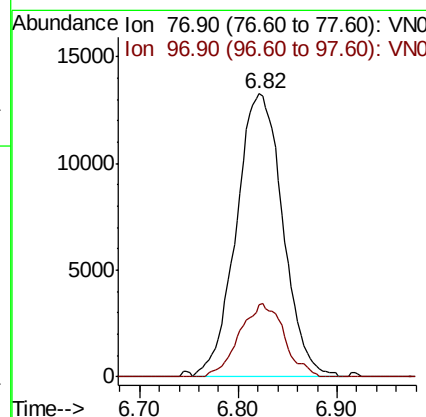
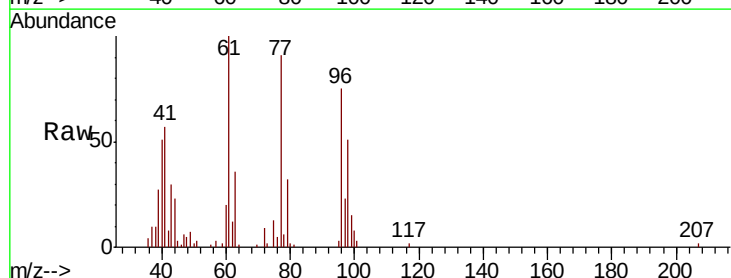
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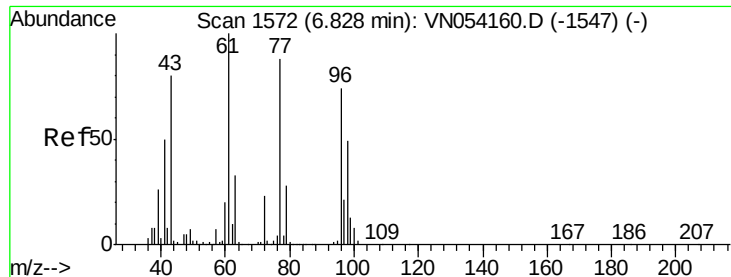
MMDadoda
3/13/2019 11:48:36 AM



#26
2,2-Dichloropropane
Concen: 1.910 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 77 Resp: 43329
Ion Ratio Lower Upper
77 100
97 24.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 2.085 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

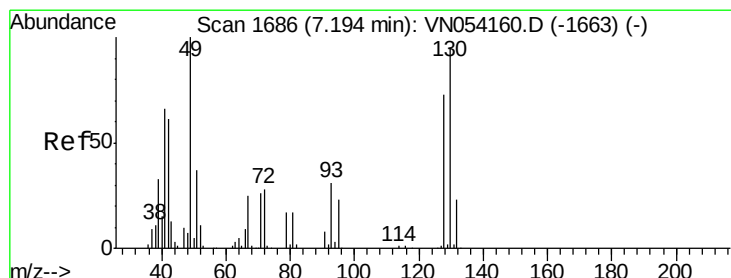
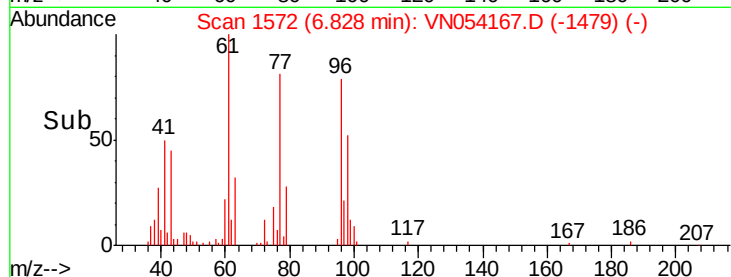
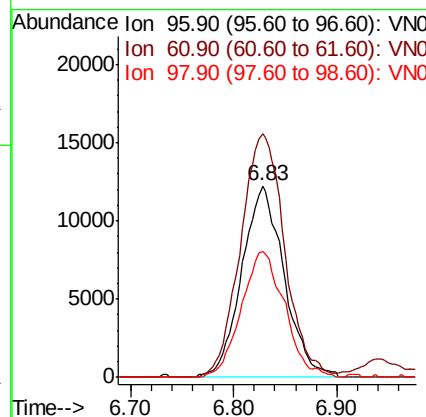
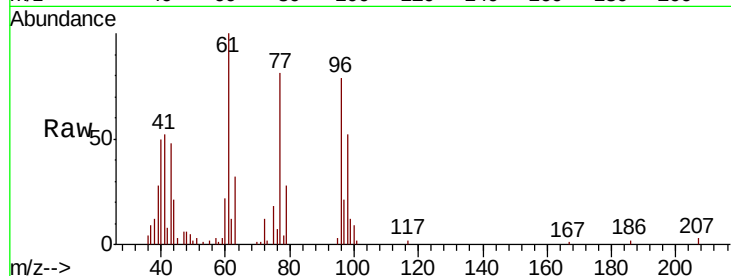
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:	96	Resp:	34966
Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	273.0
98	67.2	0.0	130.6

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#28

Bromochloromethane

Concen: 2.087 ug/l

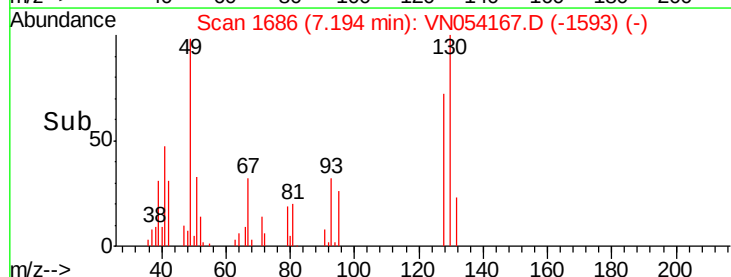
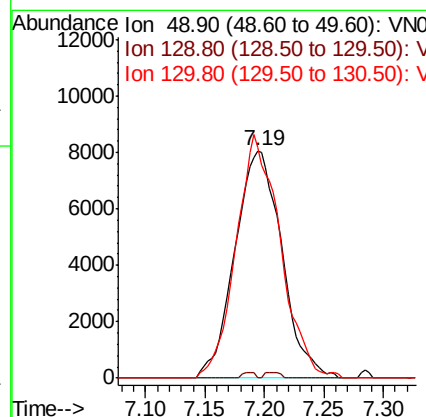
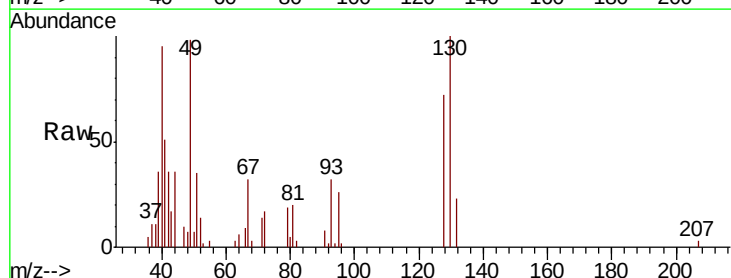
RT: 7.19 min Scan# 1686

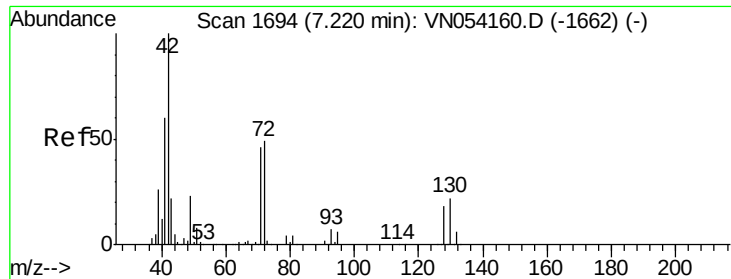
Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion:	49	Resp:	22009
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	4.6
130	100.3	76.7	115.1





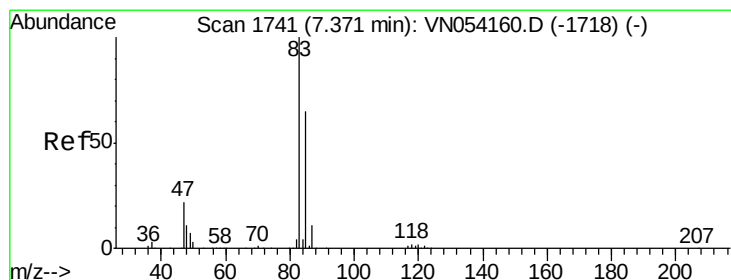
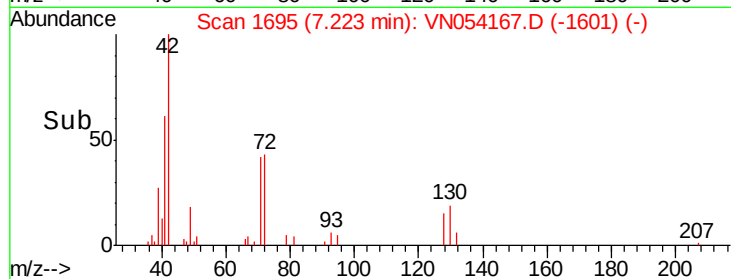
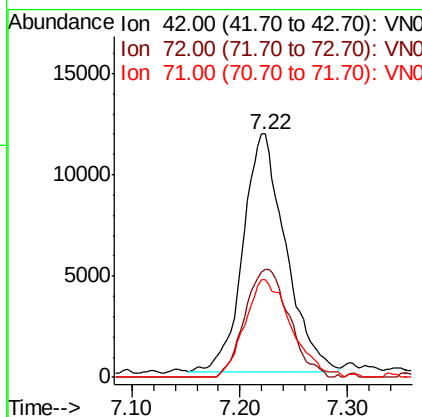
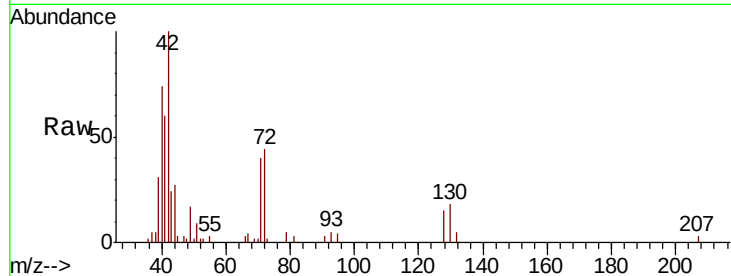
#29
Tetrahydrofuran
Concen: 9.248 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.6
71	45.0	36.2	54.2

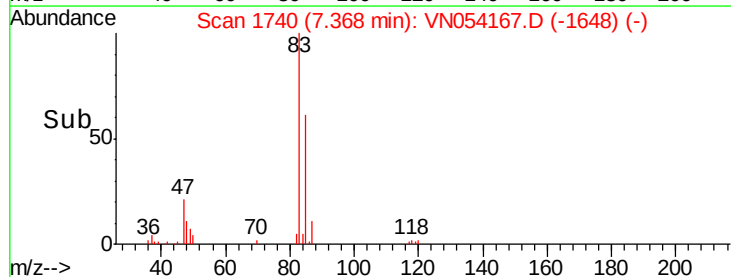
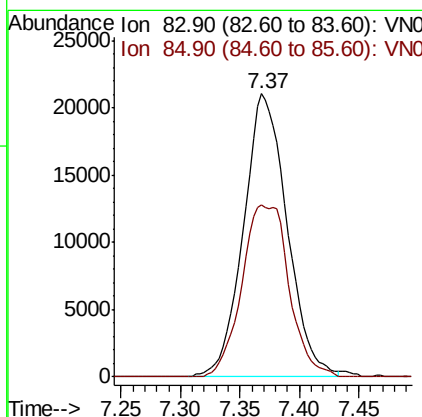
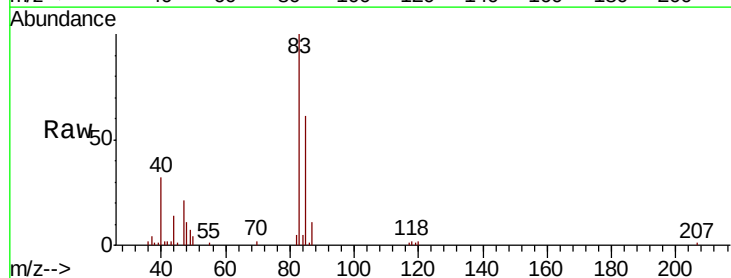
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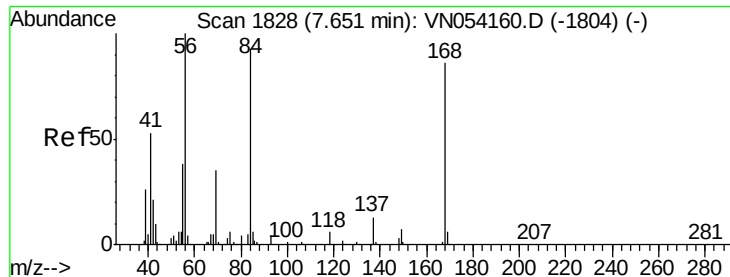
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#30
Chloroform
Concen: 1.982 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.2	78.4





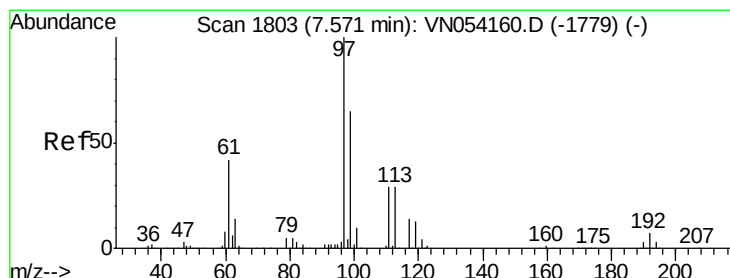
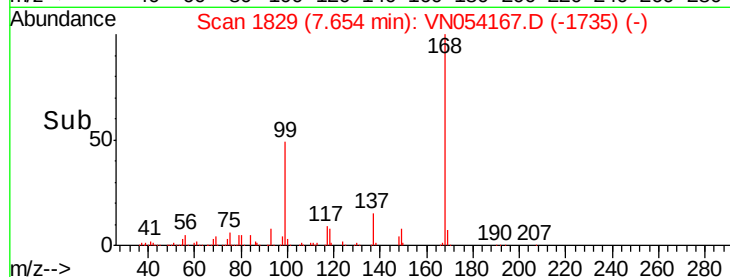
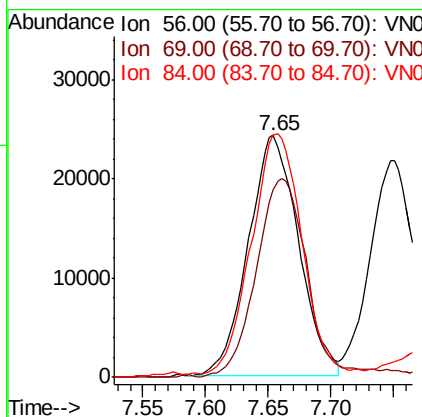
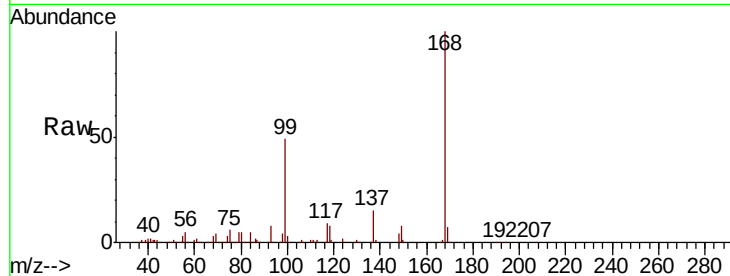
#31
Cyclohexane
Concen: 2.415 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 56 Resp: 67043
Ion Ratio Lower Upper
56 100
69 77.3 27.8 41.6#
84 99.7 74.6 111.8

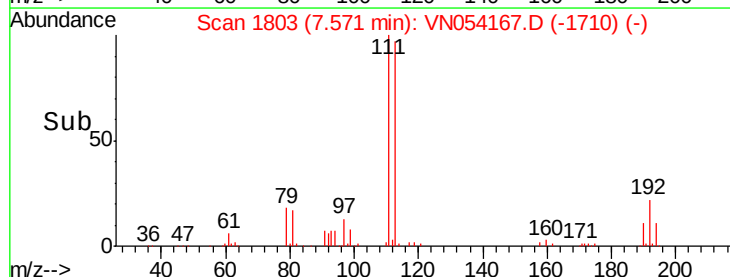
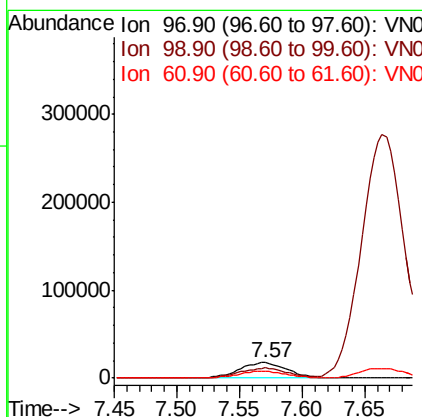
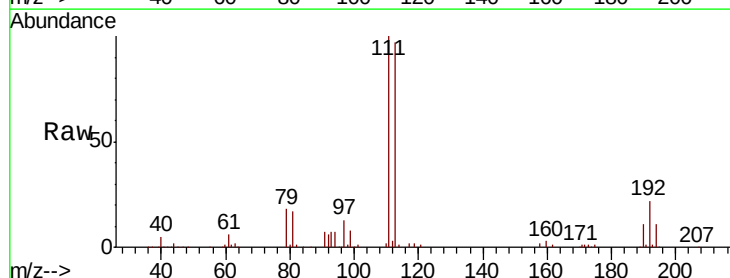
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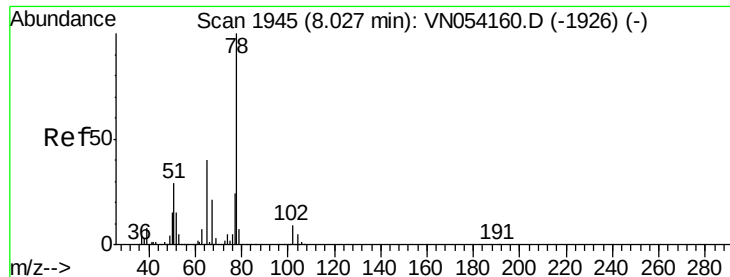
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 1.914 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 97 Resp: 46520
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 44.9 33.6 50.4





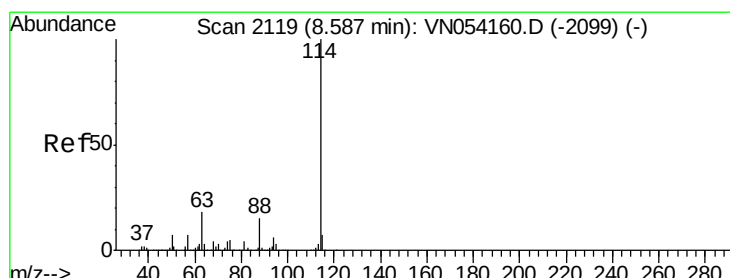
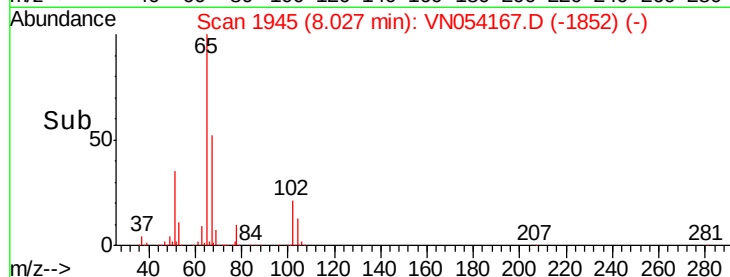
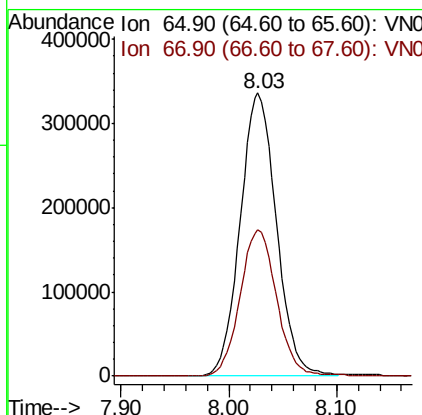
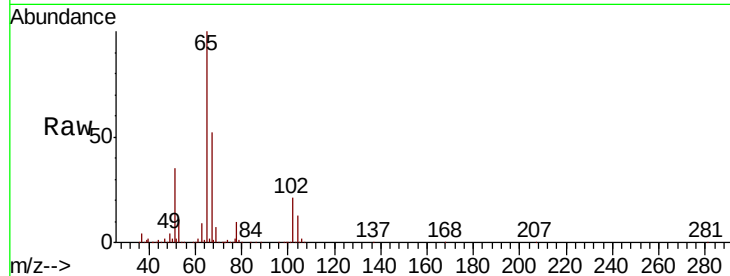
#33
 1,2-Dichloroethane-d4
 Concen: 49.019 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion: 65 Resp: 786044
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6

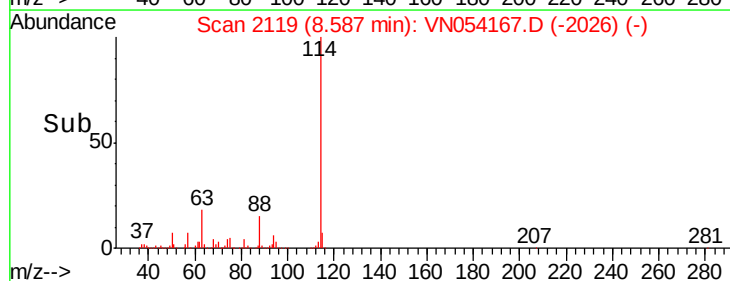
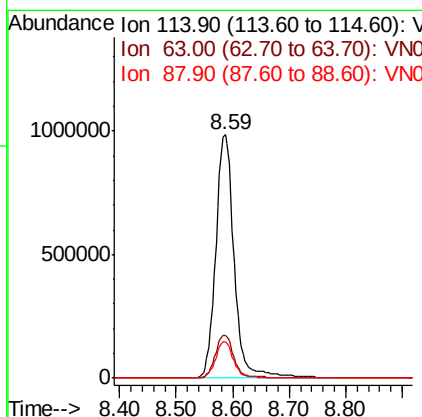
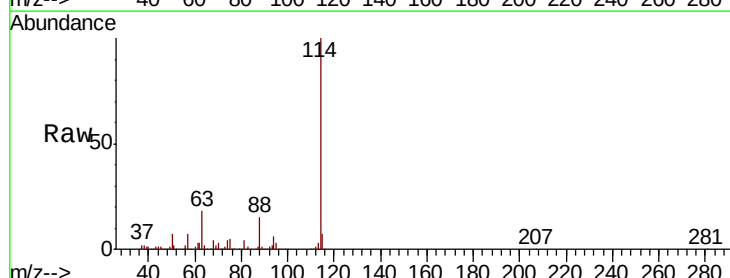
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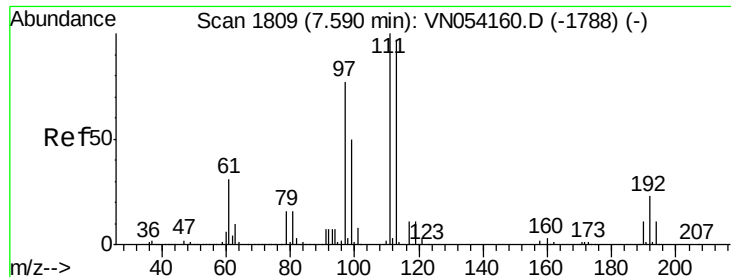
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion: 114 Resp: 2228069
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.9 0.0 30.2





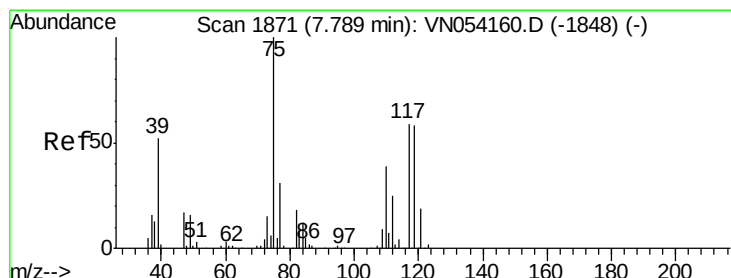
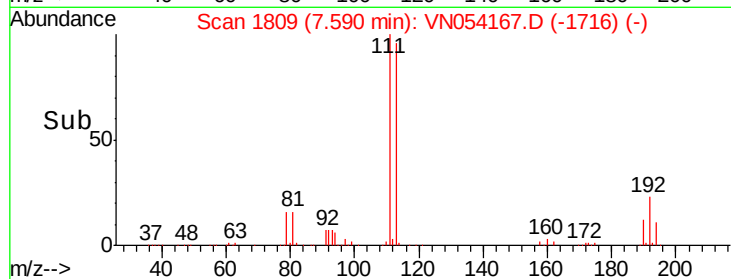
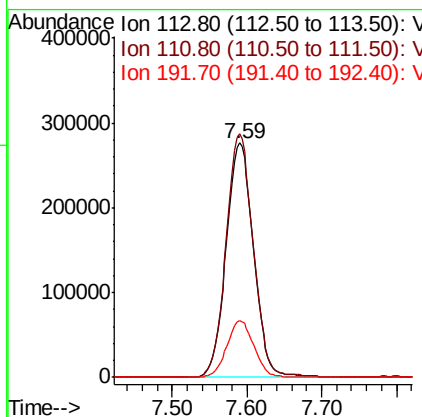
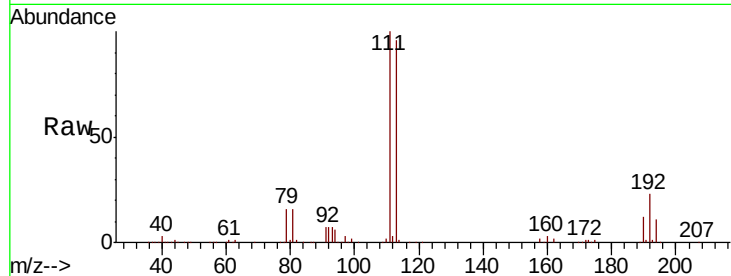
#35
 Dibromofluoromethane
 Concen: 48.949 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	703405		
111	103.1	82.2	123.4	
192	24.0	19.2	28.8	

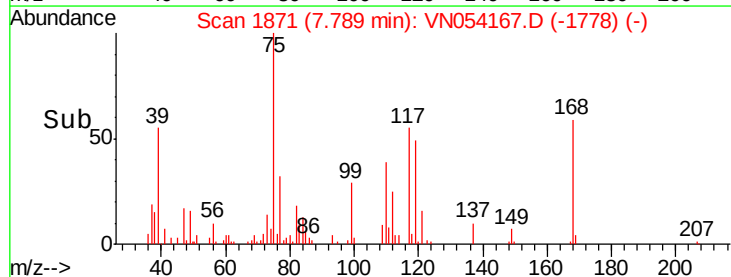
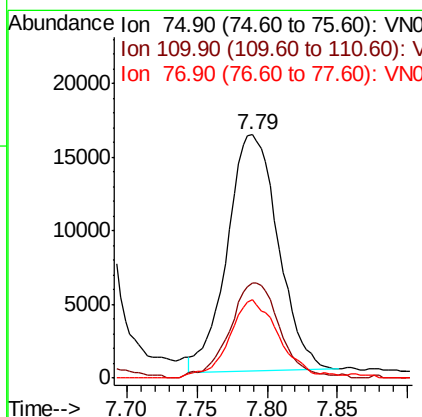
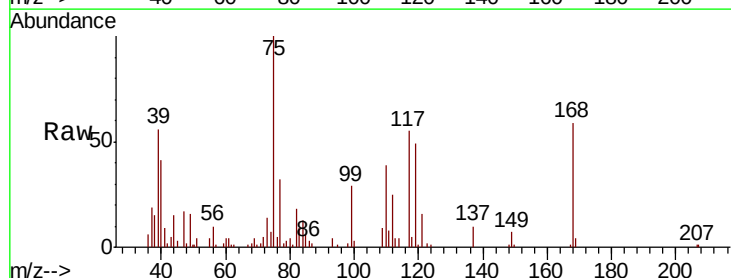
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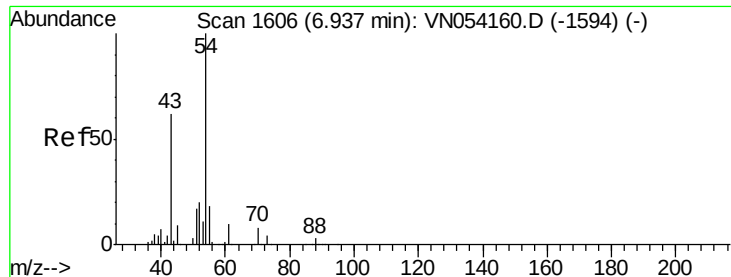
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#36
 1,1-Dichloropropene
 Concen: 1.973 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40483		
110	39.7	19.1	57.5	
77	32.0	25.0	37.4	





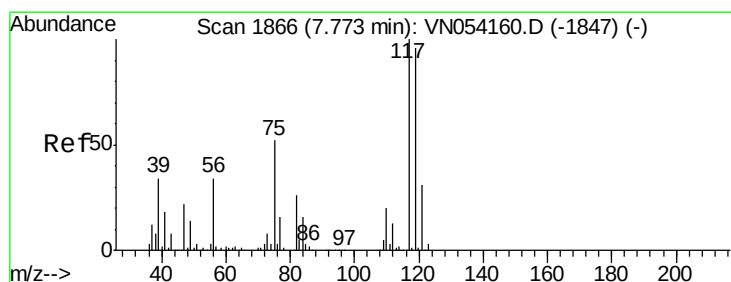
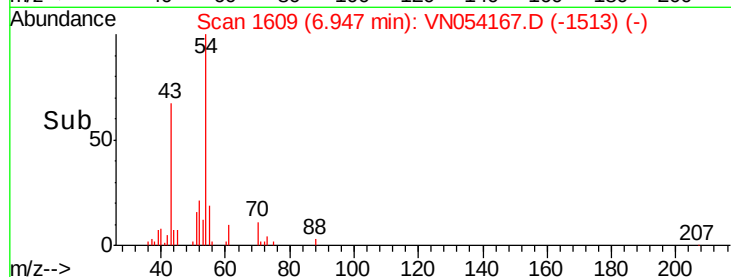
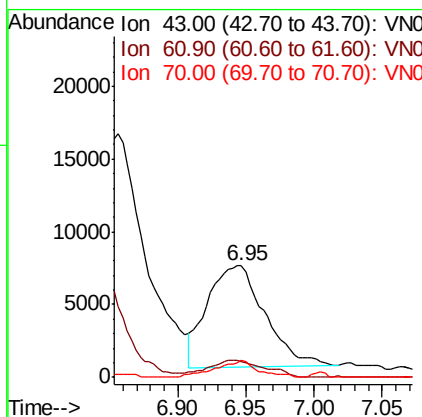
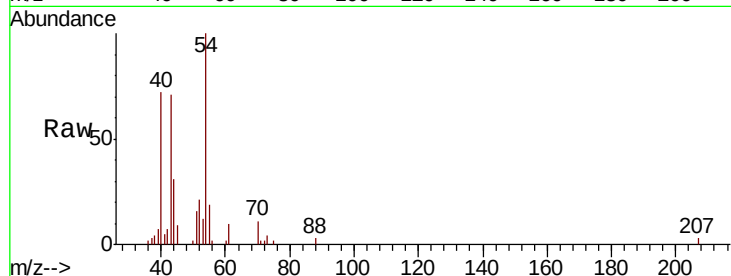
#37
Ethyl Acetate
Concen: 1.755 ug/l
RT: 6.95 min Scan# 1609
Delta R.T. 0.01 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 43 Resp: 20687
Ion Ratio Lower Upper
43 100
61 16.5 11.8 17.6
70 12.0 8.4 12.6

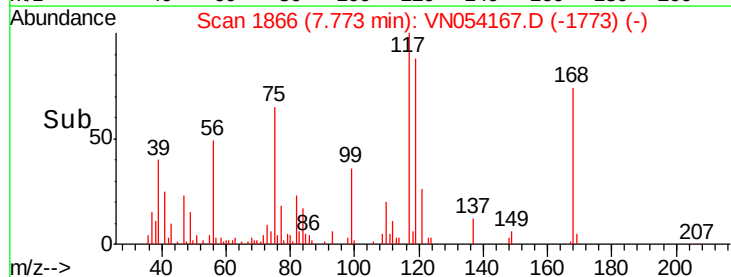
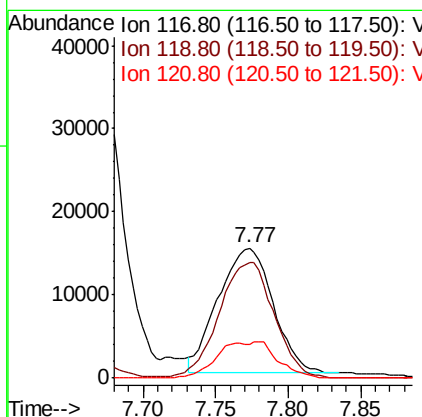
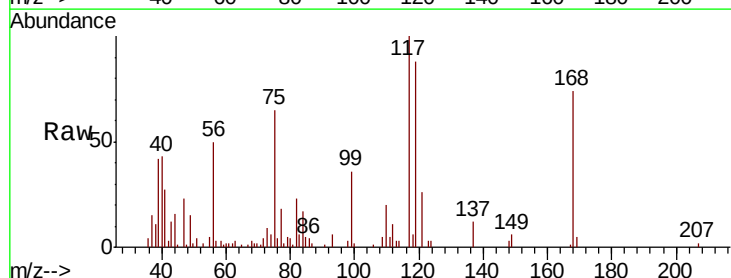
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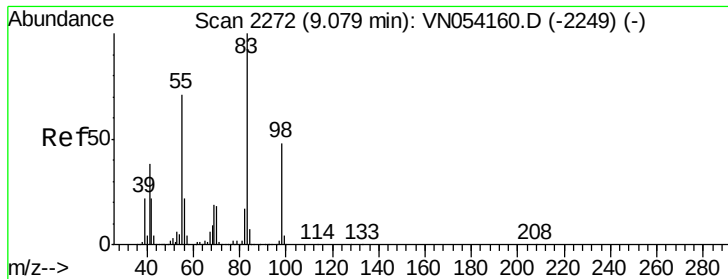
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#38
Carbon Tetrachloride
Concen: 1.849 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 117 Resp: 39784
Ion Ratio Lower Upper
117 100
119 92.0 76.3 114.5
121 27.2 24.6 36.8





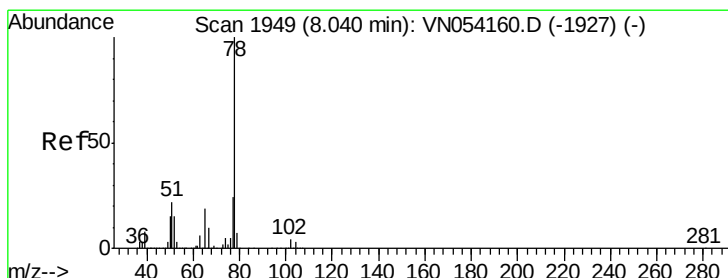
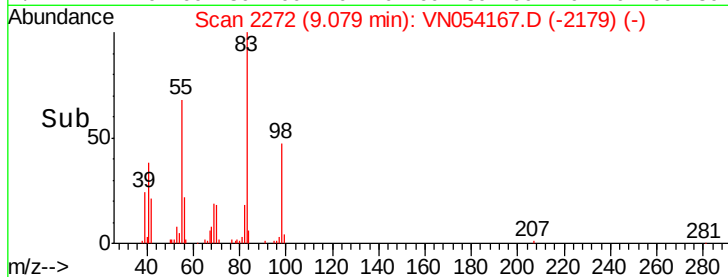
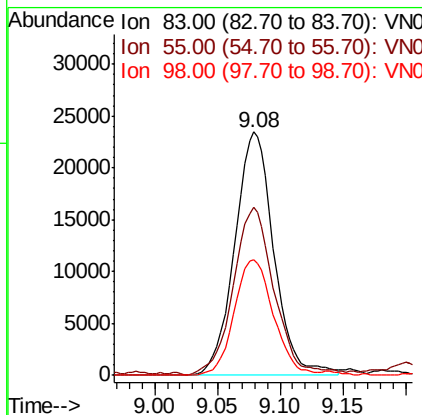
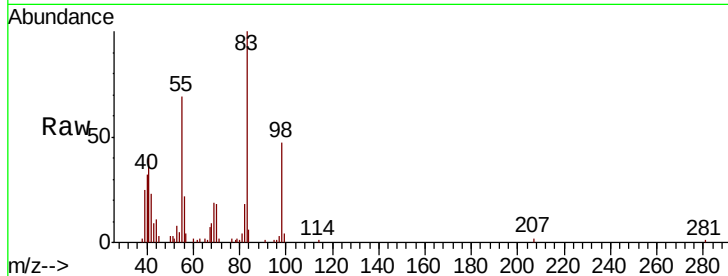
#39
Methylcyclohexane
Concen: 2.021 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	51015		
55	68.8	56.6	84.8	
98	47.4	38.4	57.6	

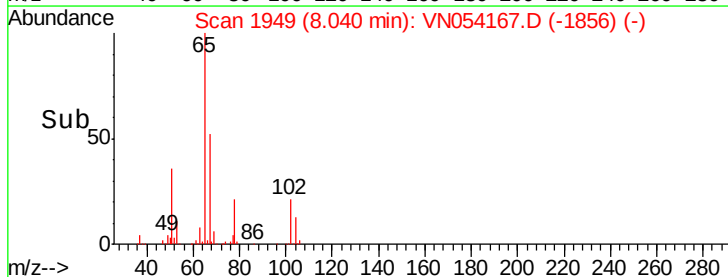
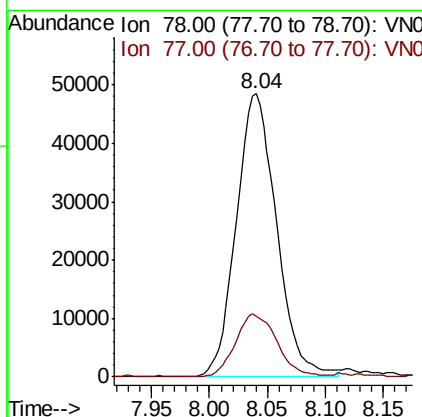
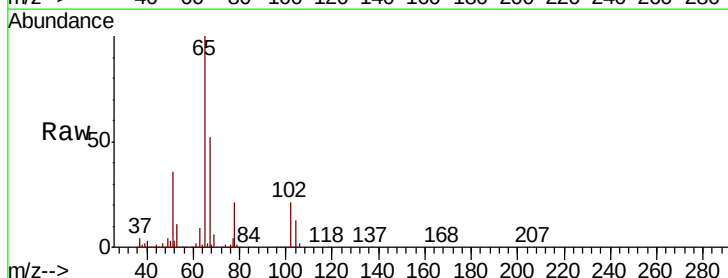
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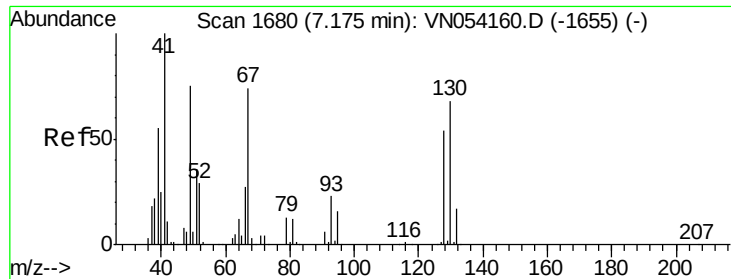
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#40
Benzene
Concen: 1.998 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	117300		
77	21.5	19.1	28.7	





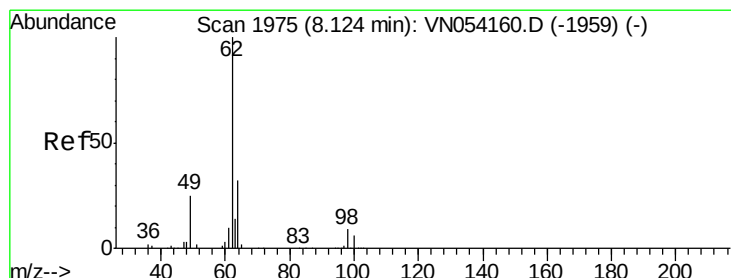
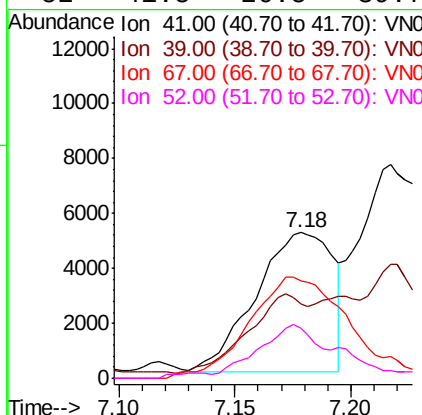
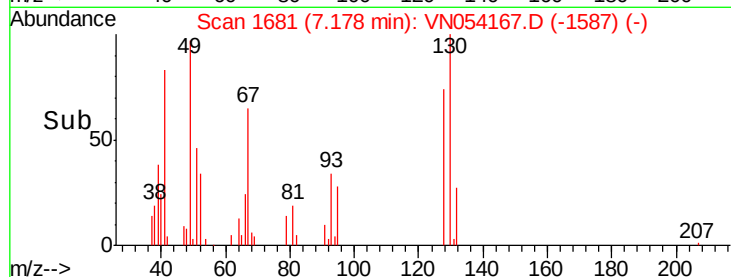
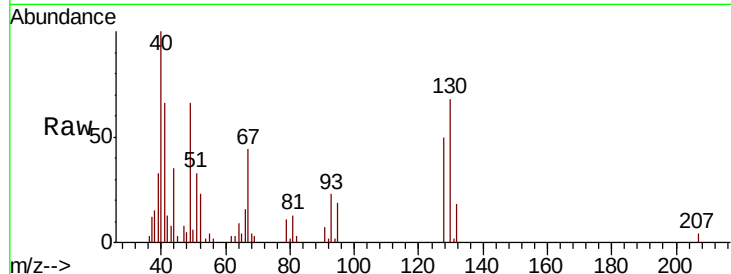
#41
Methacrylonitrile
Concen: 1.752 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
41	100		
39	41.6	46.8	70.2#
67	92.7	67.0	100.4
52	41.5	26.5	39.7#

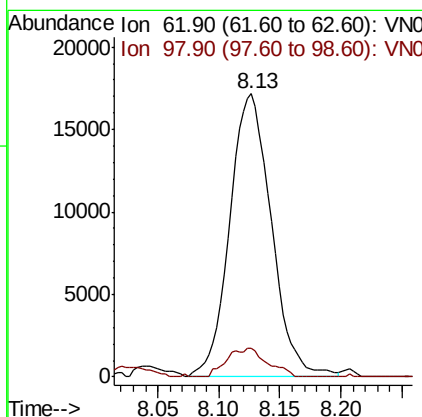
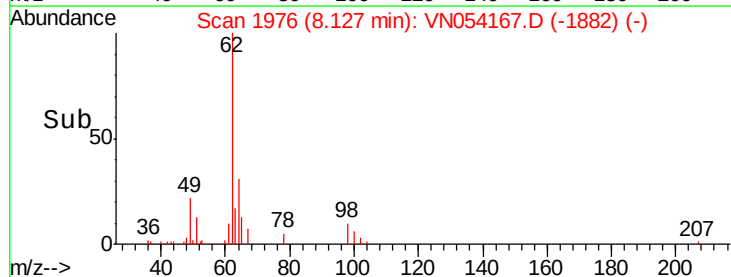
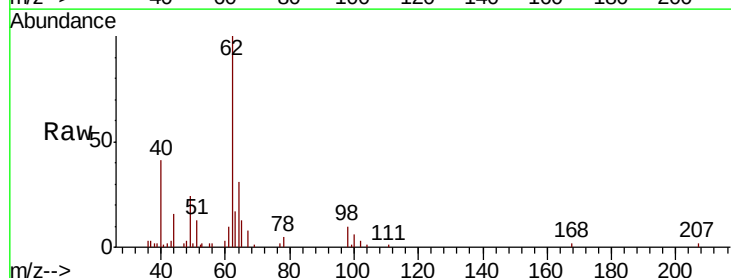
Manual Integrations
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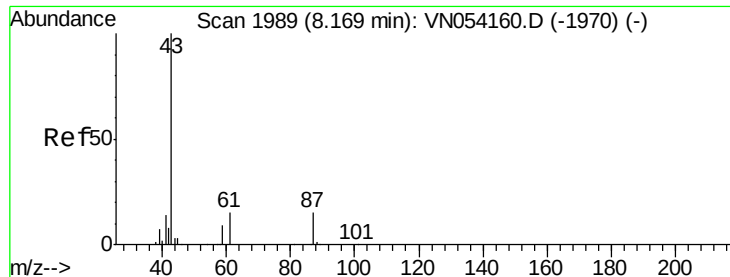
MMDadoda
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#42
1,2-Dichloroethane
Concen: 2.051 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4





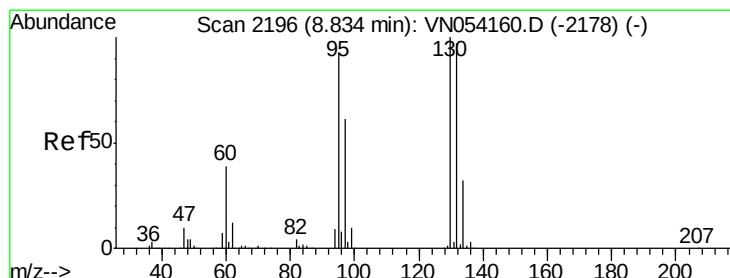
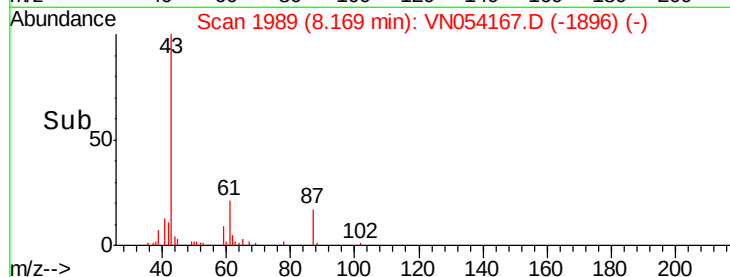
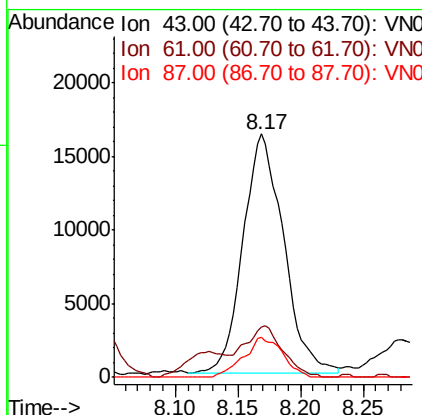
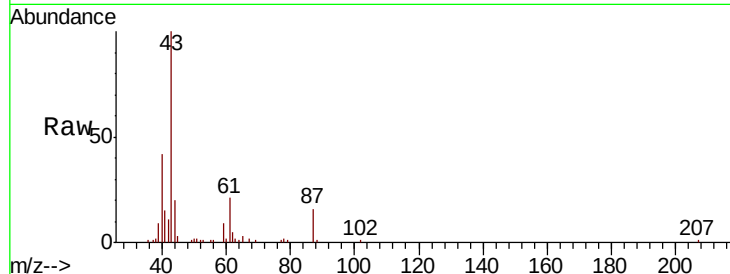
#43
Isopropyl Acetate
Concen: 1.783 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.8	23.8
87	15.8	12.0	18.0

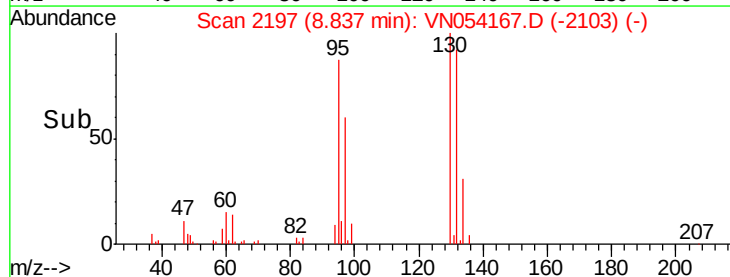
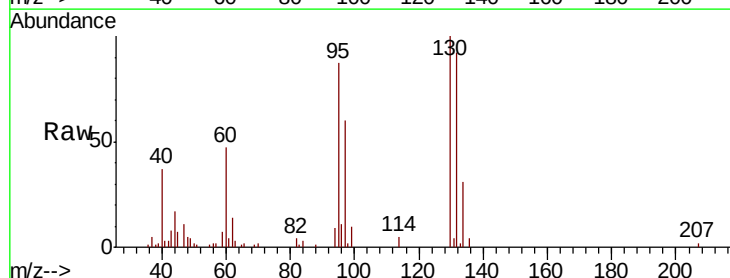
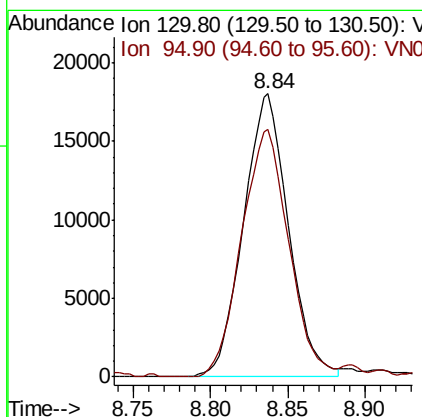
Manual Integrations
APPROVED

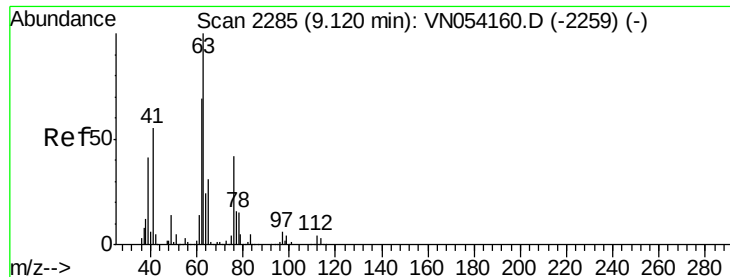
MMDadoda
3/13/2019 11:48:36 AM



#44
Trichloroethene
Concen: 2.001 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	185.2





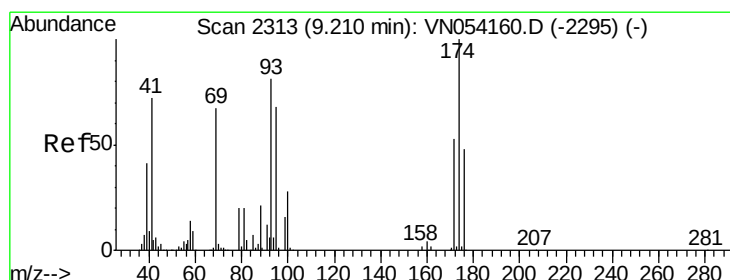
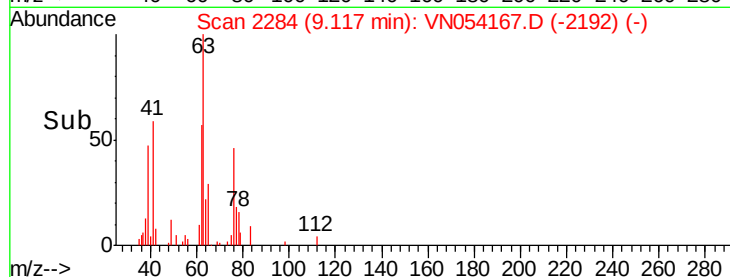
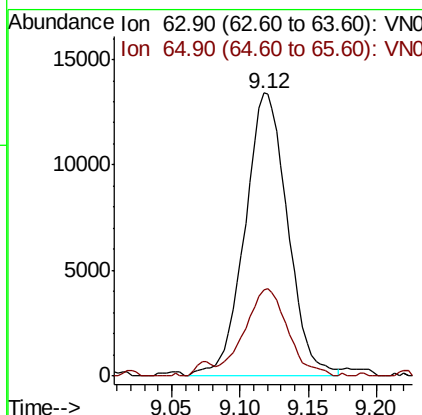
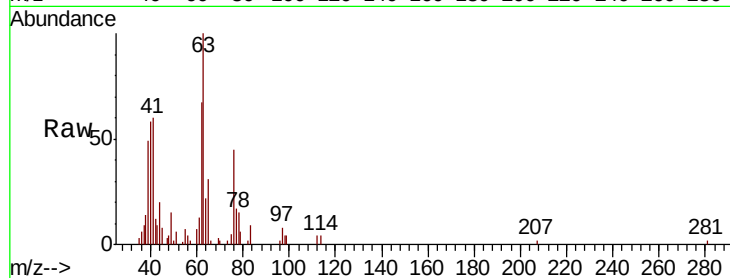
#45
 1,2-Dichloropropane
 Concen: 2.003 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion: 63 Resp: 29203
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

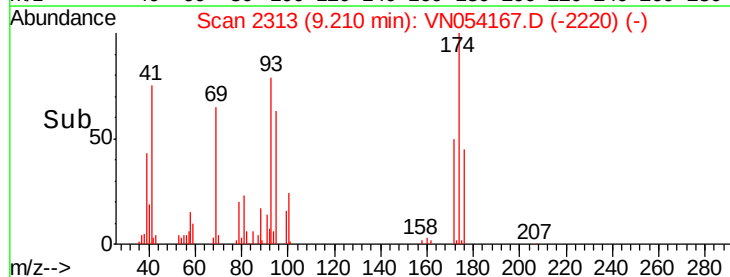
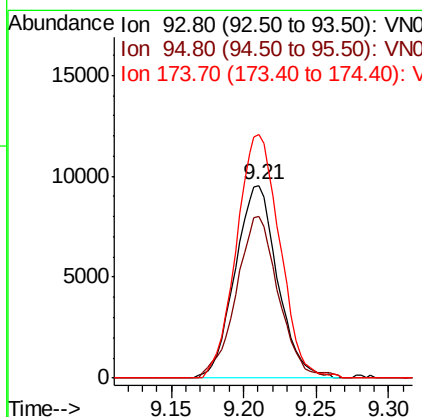
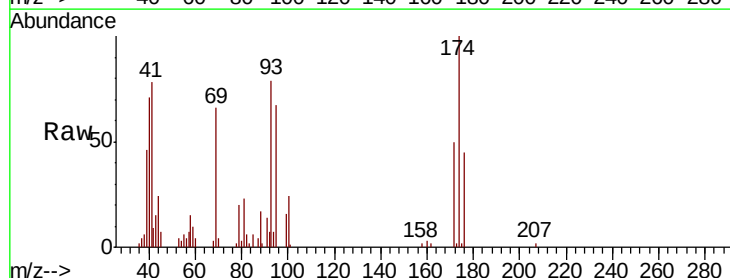
Manual Integrations
 APPROVED

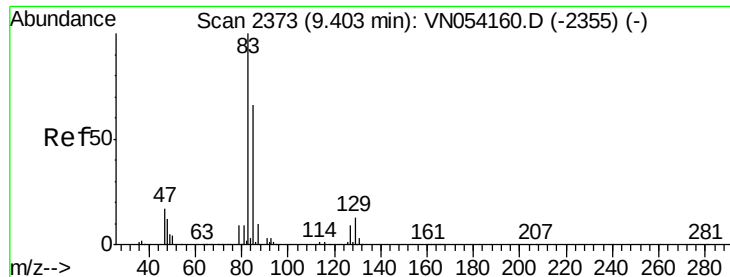
MMDadoda
 3/13/2019 11:48:36 AM



#46
 Dibromomethane
 Concen: 1.964 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion: 93 Resp: 19350
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.7 100.1
 174 129.2 98.5 147.7





#47

Bromodichloromethane

Concen: 1.916 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

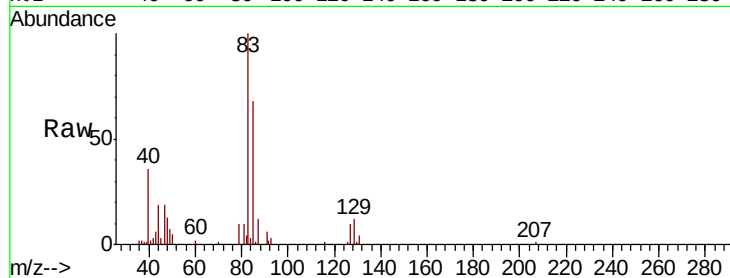
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:	83	Resp:	37846
Ion	Ratio	Lower	Upper
83	100		
85	67.7	52.8	79.2
127	10.2	7.4	11.2

Manual Integrations
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MMDadoda
3/13/2019 11:48:36 AM

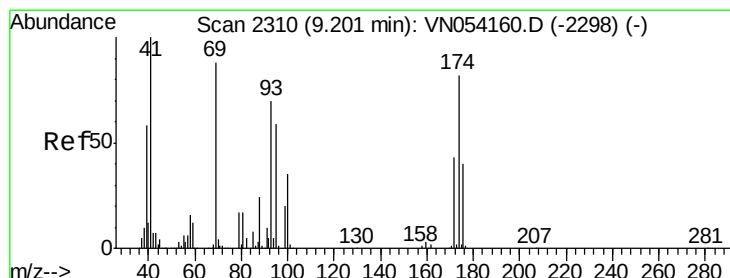
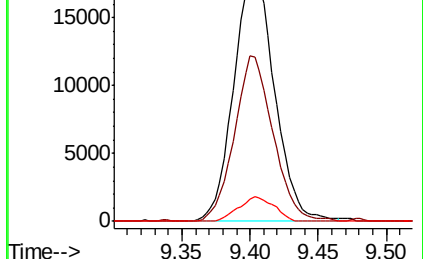
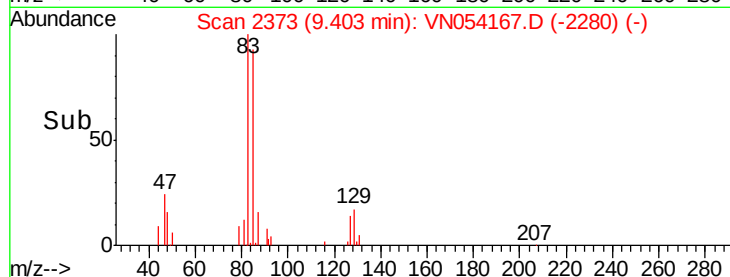


Abundance Ion 82.90 (82.60 to 83.60): VN054167.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054167.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054167.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.831 ug/l

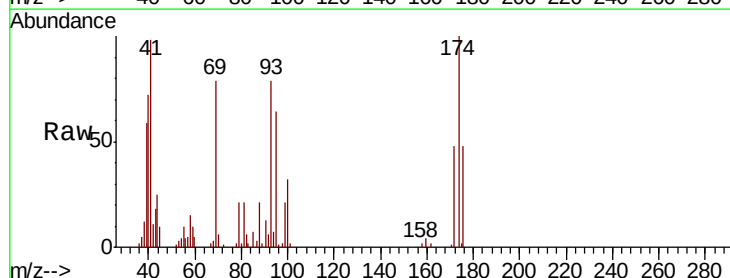
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion:	41	Resp:	19226
Ion	Ratio	Lower	Upper
41	100		
69	94.1	72.6	108.8
39	68.1	47.5	71.3

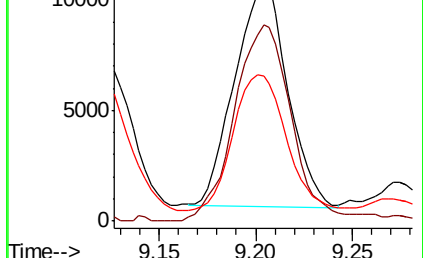
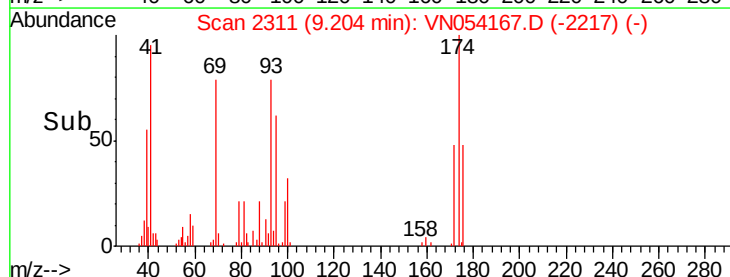


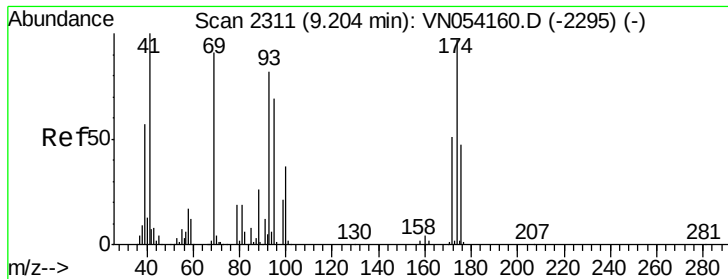
Abundance Ion 41.00 (40.70 to 41.70): VN054167.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054167.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054167.D (-2217) (-)

Time-->





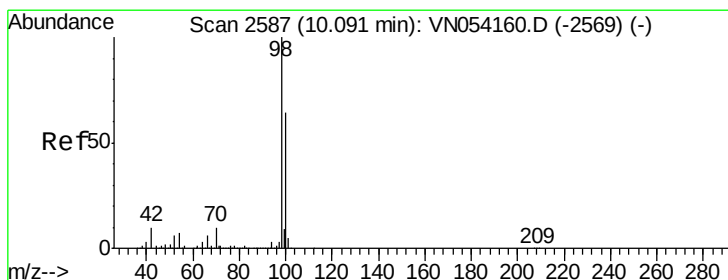
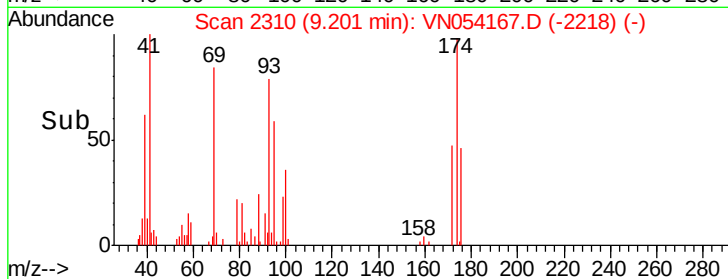
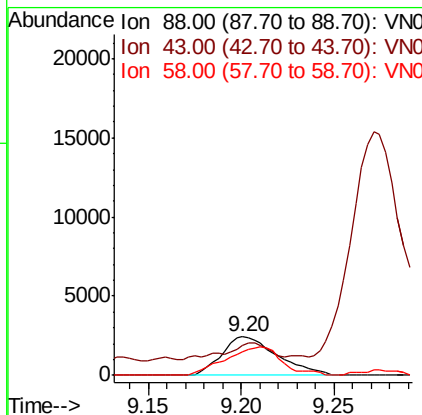
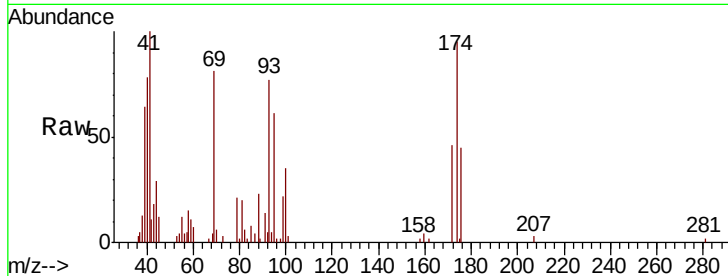
#49
1,4-Dioxane
Concen: 34.063 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	24.1	36.1
58	74.1	50.8	76.2

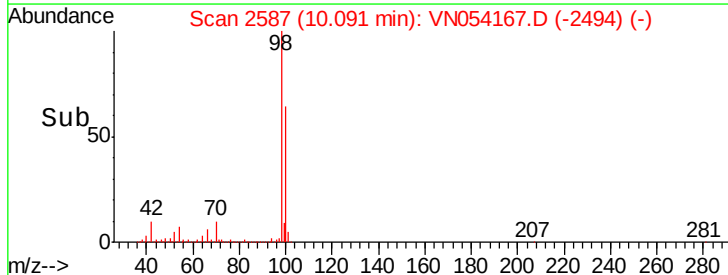
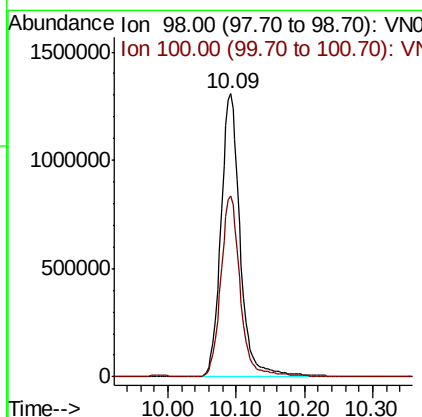
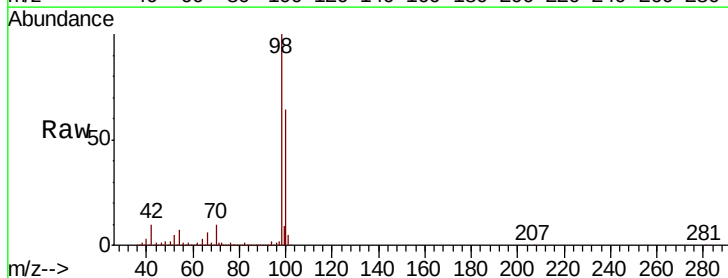
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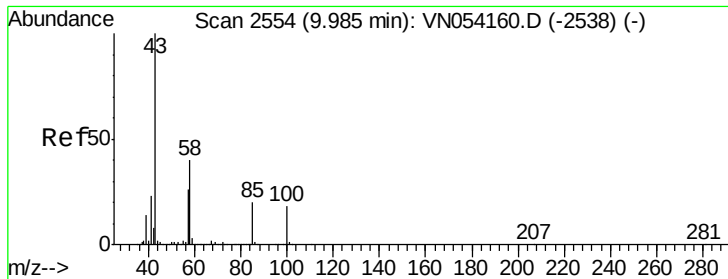
MMDadoda
3/13/2019 11:48:36 AM



#50
Toluene-d8
Concen: 48.482 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





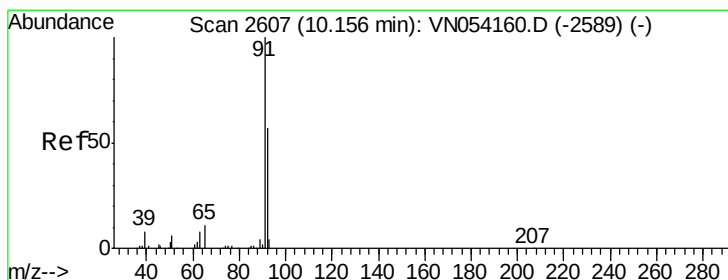
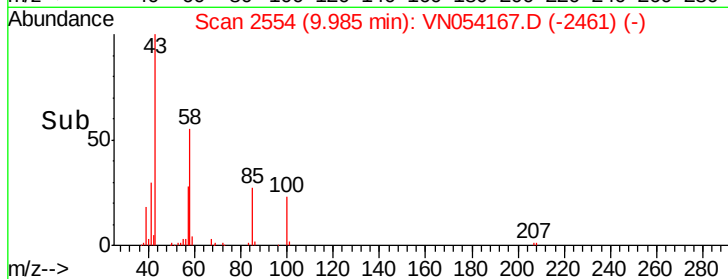
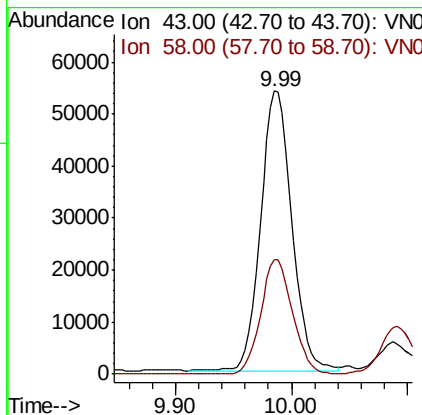
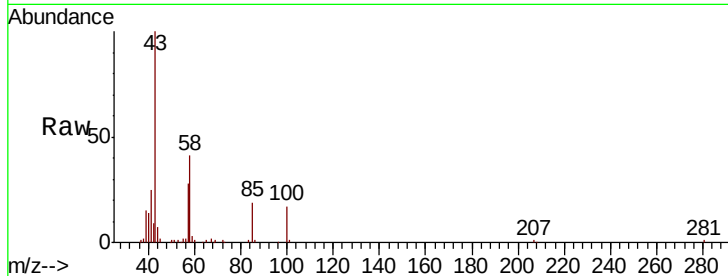
#51
4-Methyl-2-Pentanone
Concen: 9.156 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.8	31.8	47.6

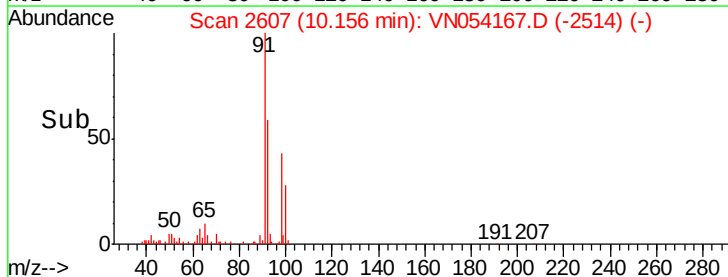
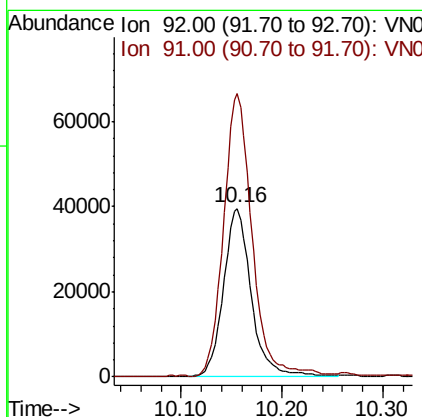
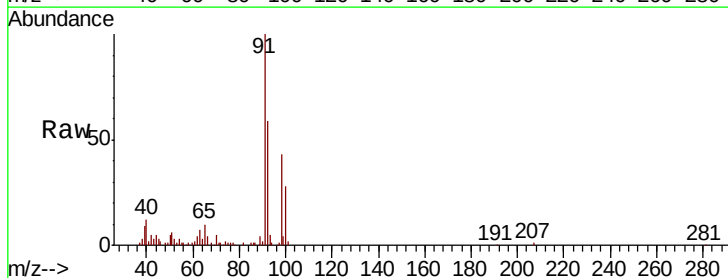
Manual Integrations
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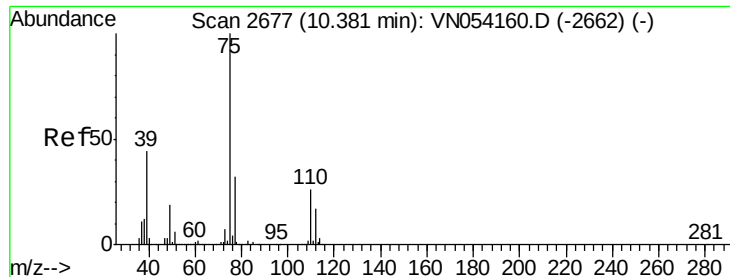
MMDadoda
3/13/2019 11:48:36 AM



#52
Toluene
Concen: 2.064 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.1	140.7	211.1





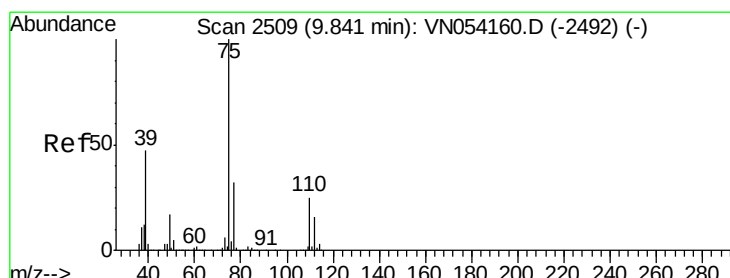
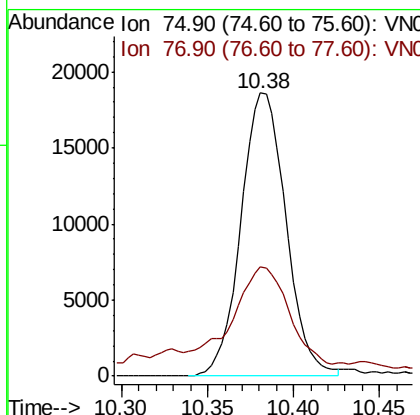
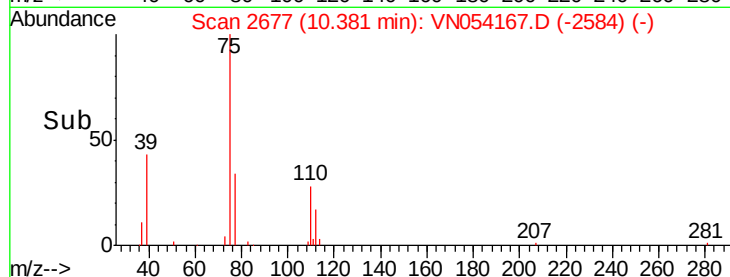
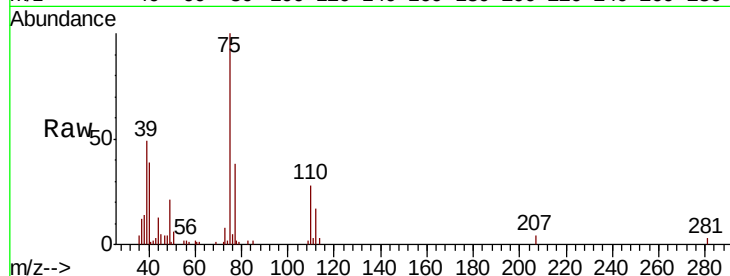
#53
 t-1,3-Dichloropropene
 Concen: 1.684 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion: 75 Resp: 33846
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.8 38.8

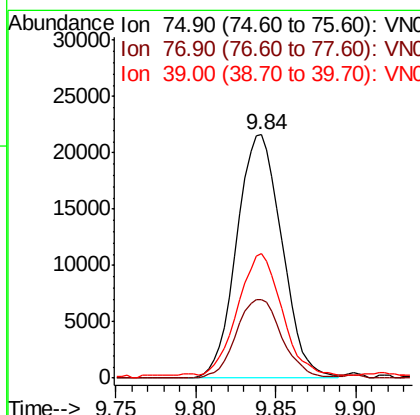
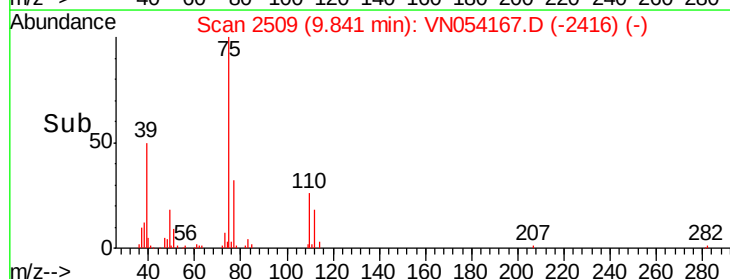
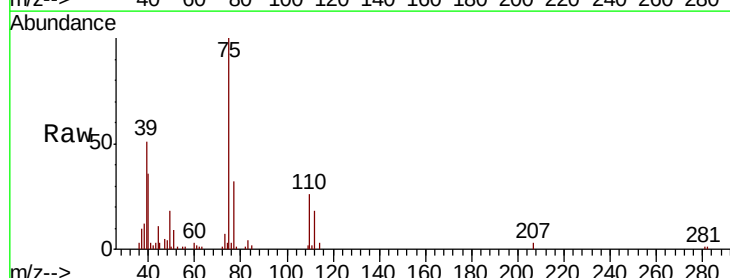
Manual Integrations
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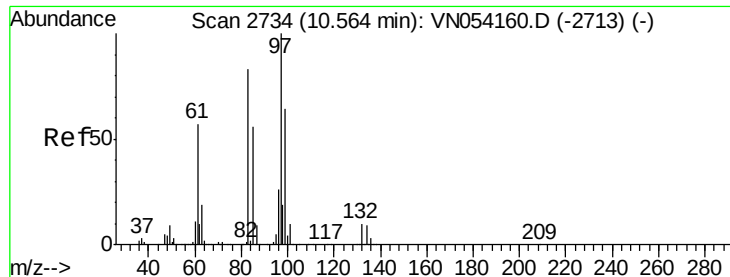
MMDadoda
 3/13/2019 11:48:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 1.815 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion: 75 Resp: 41762
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0
 39 49.8 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 2.041 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

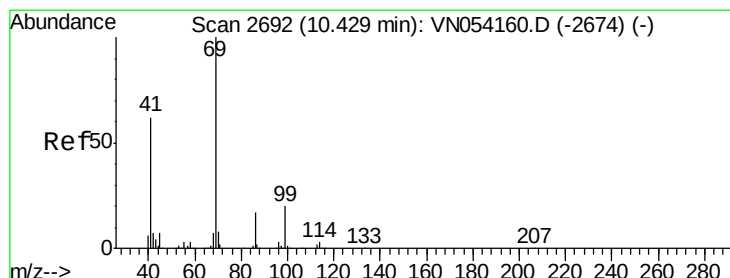
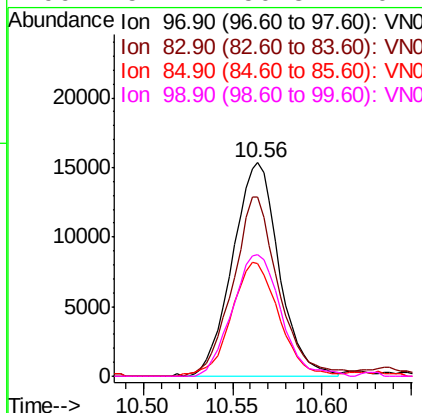
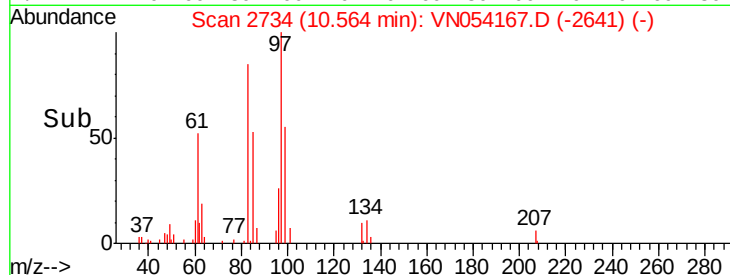
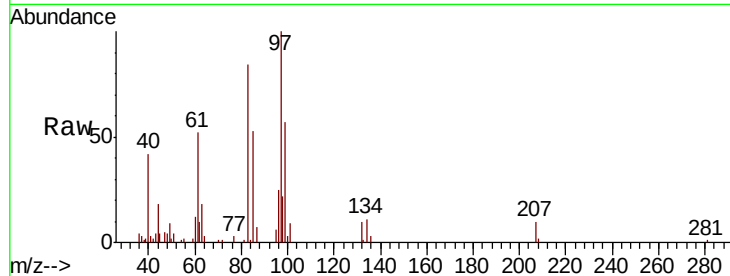
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:	97	Resp:	27740
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.6	100.0
85	51.3	44.4	66.6
99	57.1	50.8	76.2

Manual Integrations
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3/13/2019 11:48:36 AM



#56

Ethyl methacrylate

Concen: 1.771 ug/l

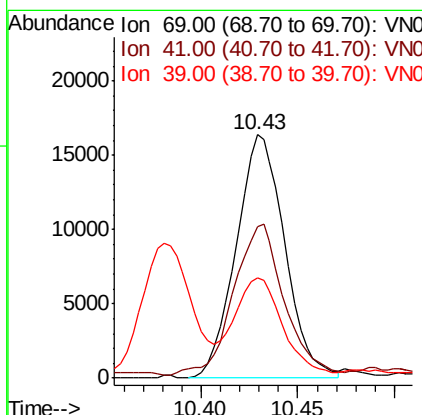
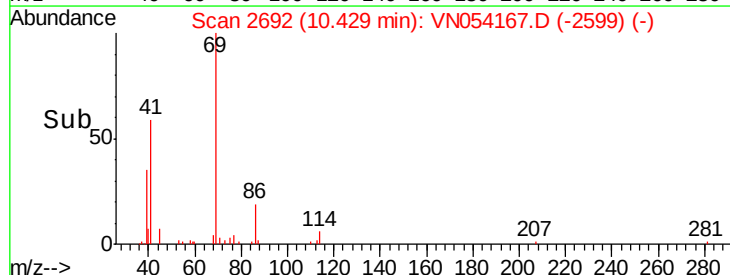
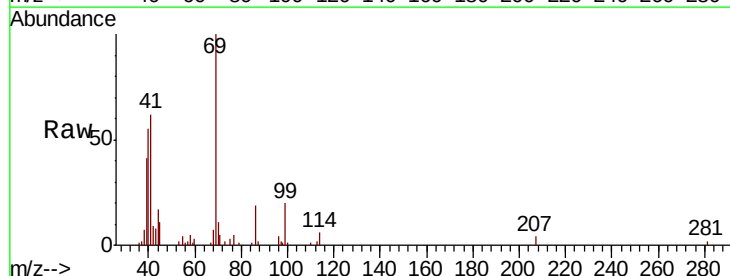
RT: 10.43 min Scan# 2692

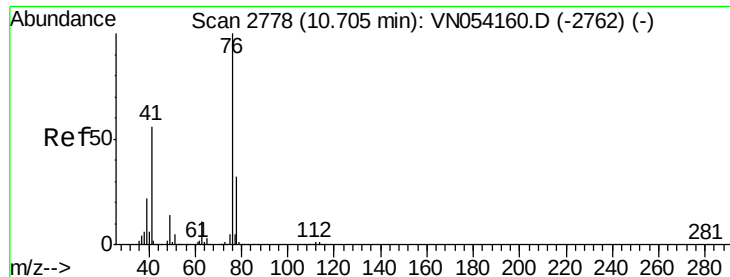
Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion:	69	Resp:	28710
Ion	Ratio	Lower	Upper
69	100		
41	64.3	49.4	74.2
39	38.4	28.3	42.5





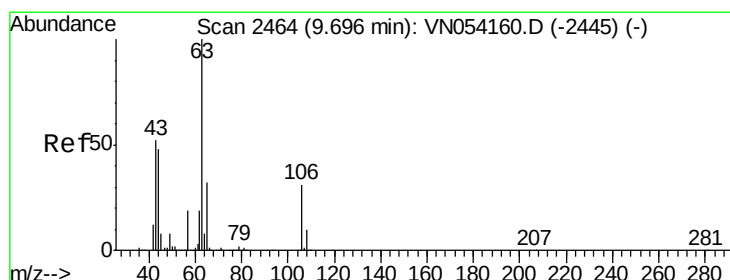
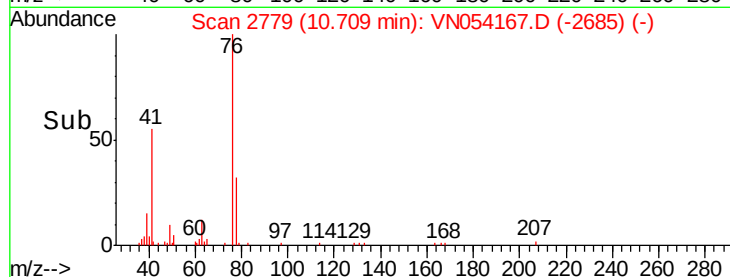
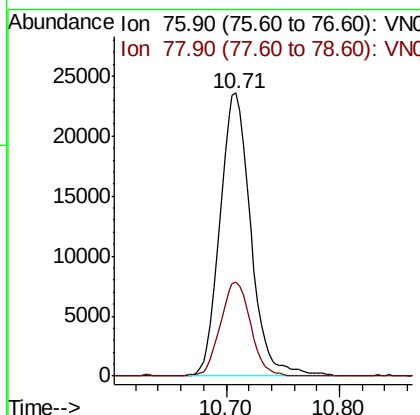
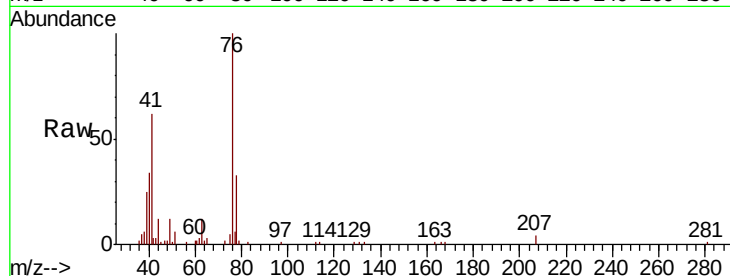
#57
 1,3-Dichloropropane
 Concen: 2.012 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion: 76 Resp: 44721
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

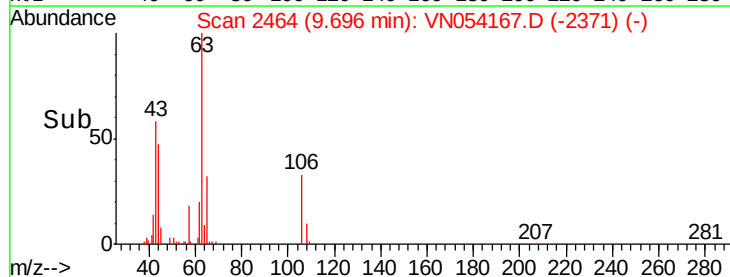
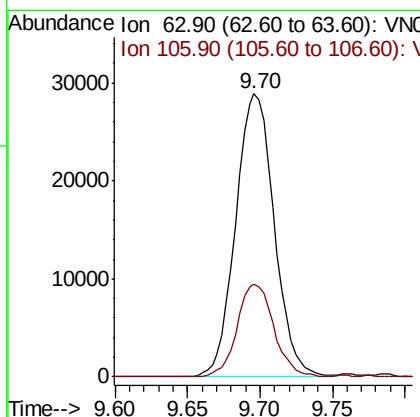
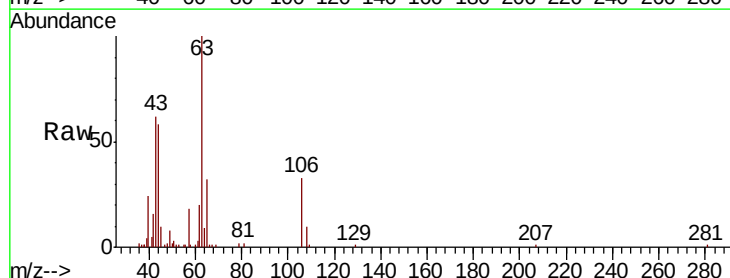
Manual Integrations
 APPROVED

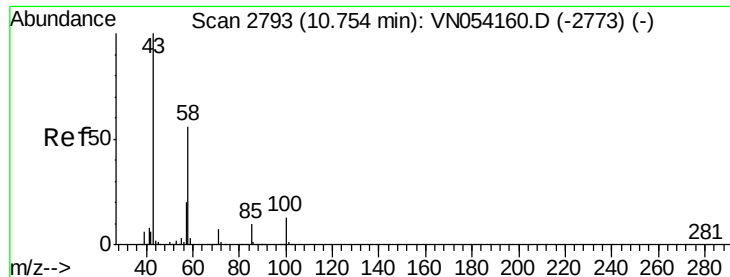
MMDadoda
 3/13/2019 11:48:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 8.729 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion: 63 Resp: 53595
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.4 36.6





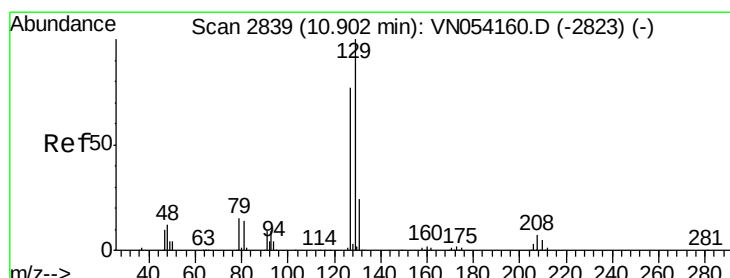
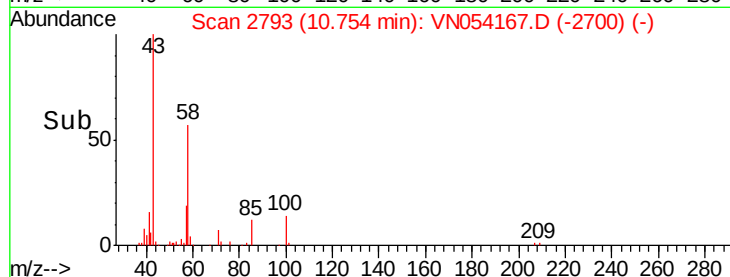
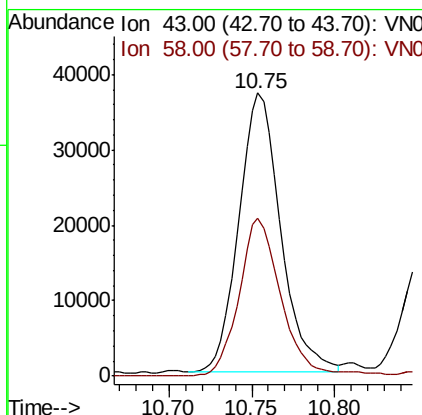
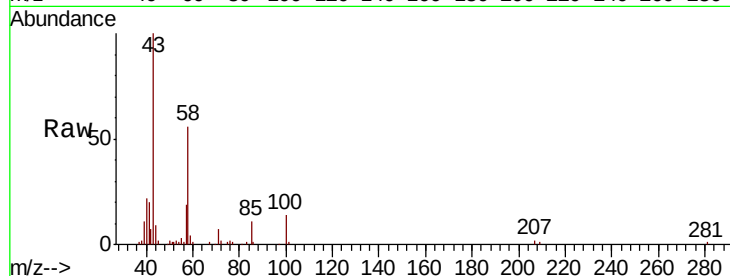
#59
2-Hexanone
Concen: 8.876 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 43 Resp: 64677
Ion Ratio Lower Upper
43 100
58 57.2 28.0 83.9

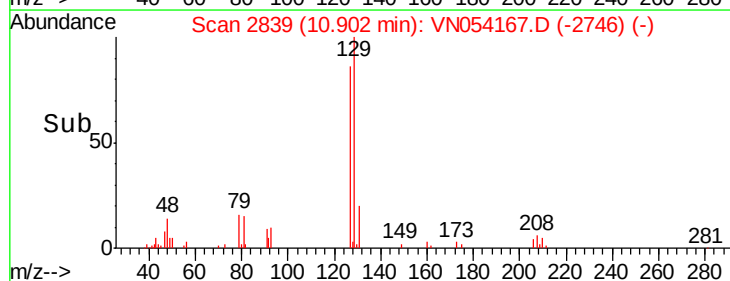
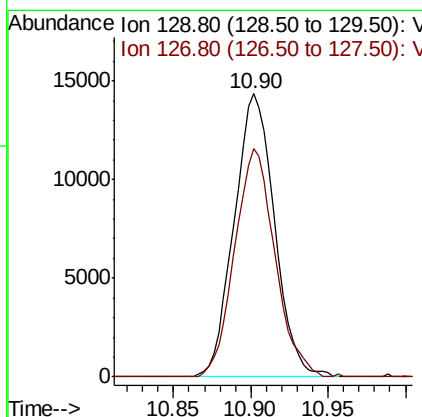
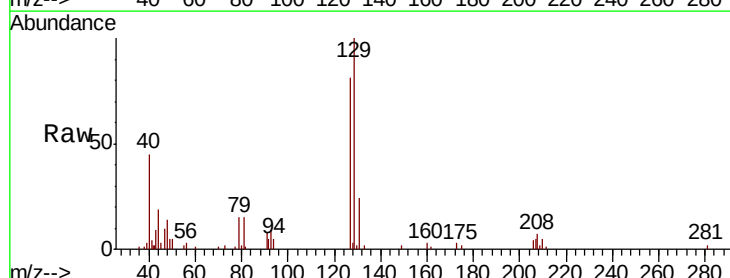
Manual Integrations
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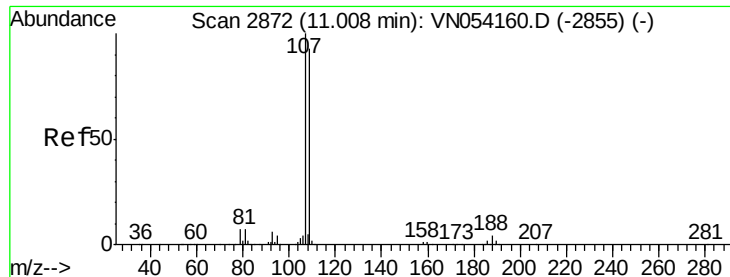
MMDadoda
3/13/2019 11:48:36 AM



#60
Dibromochloromethane
Concen: 1.700 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 129 Resp: 26012
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8





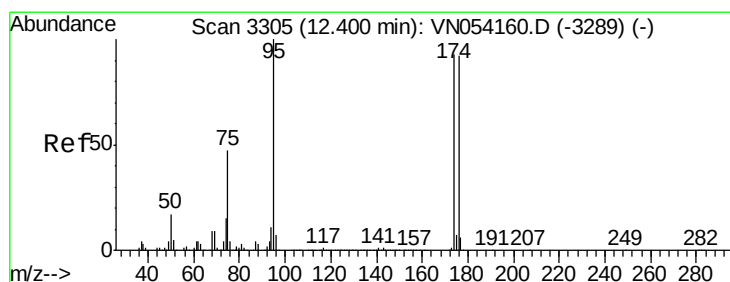
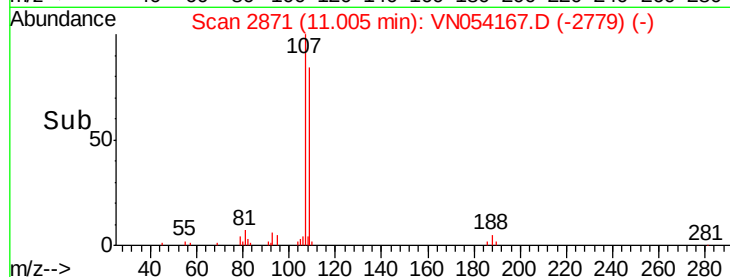
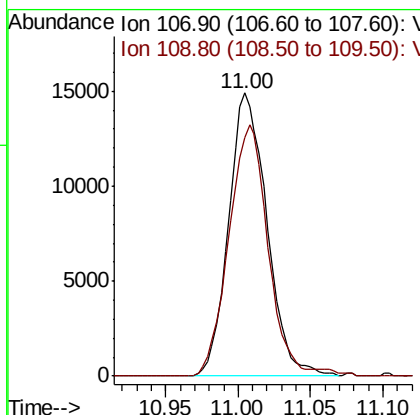
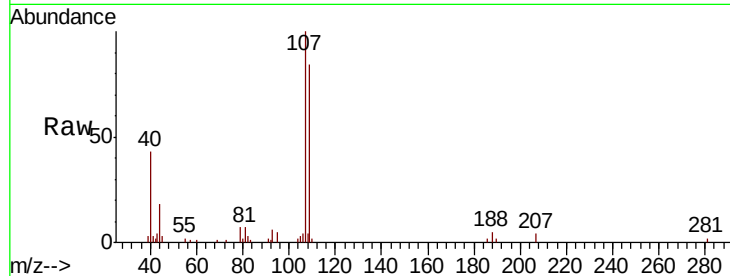
#61
1,2-Dibromoethane
Concen: 1.977 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 107 Resp: 27309
Ion Ratio Lower Upper
107 100
109 90.0 75.9 113.9

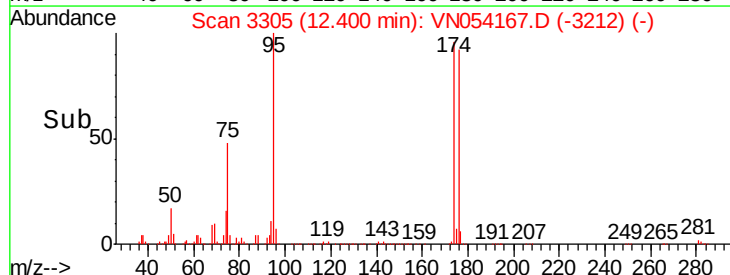
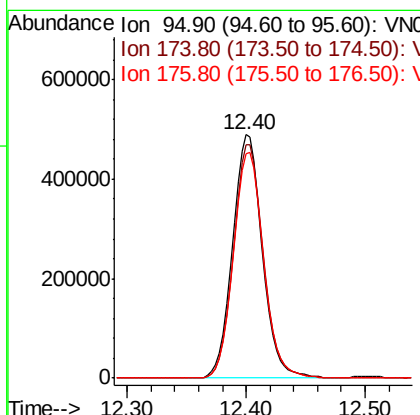
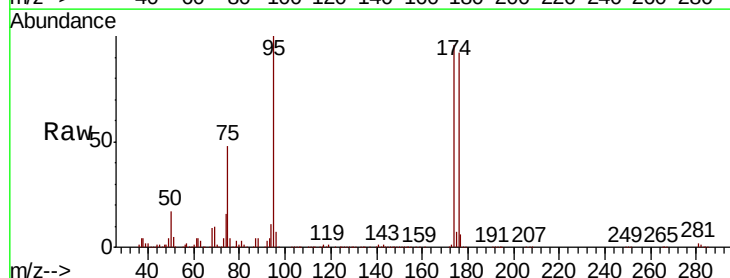
Manual Integrations
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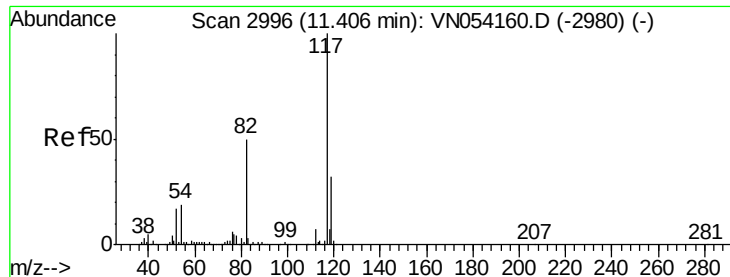
MMDadoda
3/13/2019 11:48:36 AM



#62
4-Bromofluorobenzene
Concen: 45.383 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 95 Resp: 842748
Ion Ratio Lower Upper
95 100
174 96.7 0.0 191.0
176 94.4 0.0 187.4





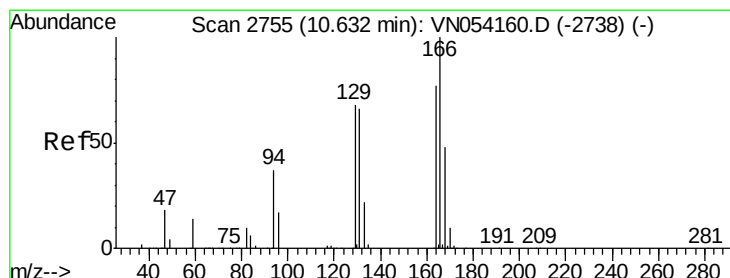
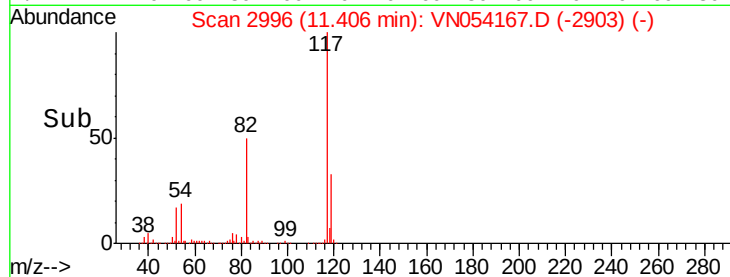
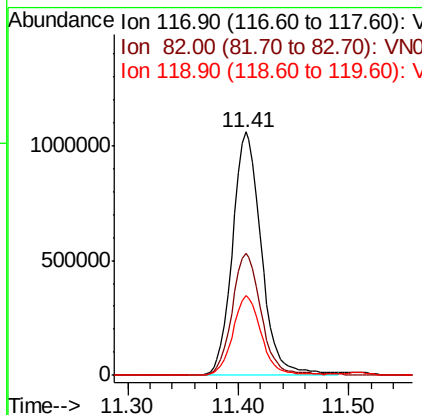
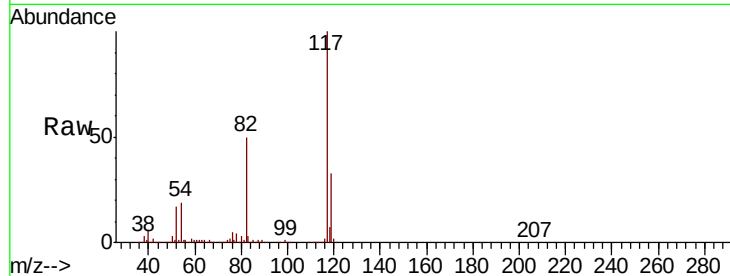
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.2	40.0	60.0
119	32.6	25.8	38.6

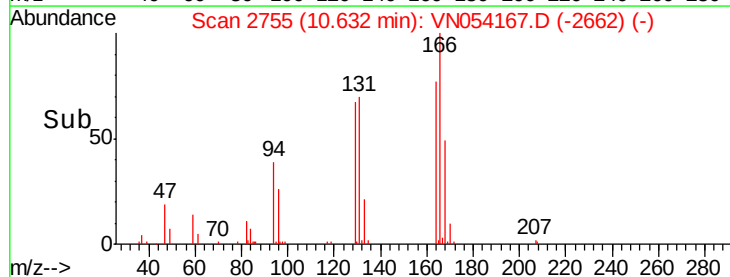
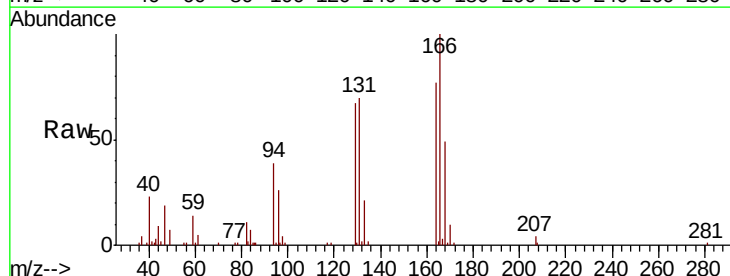
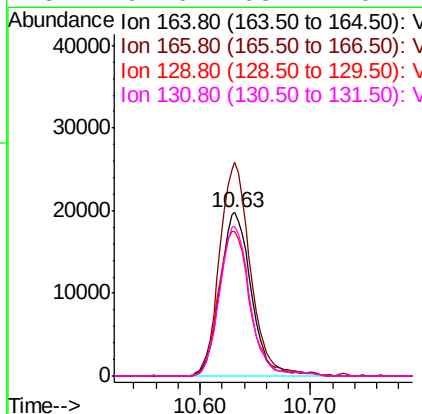
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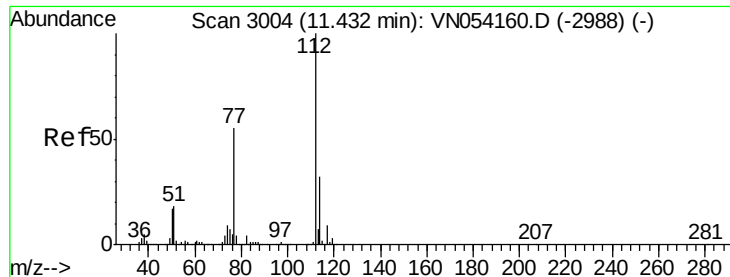
MMDadoda
3/13/2019 11:48:36 AM



#64
Tetrachloroethene
Concen: 2.091 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.9	155.9
129	88.1	71.1	106.7
131	91.6	68.2	102.4





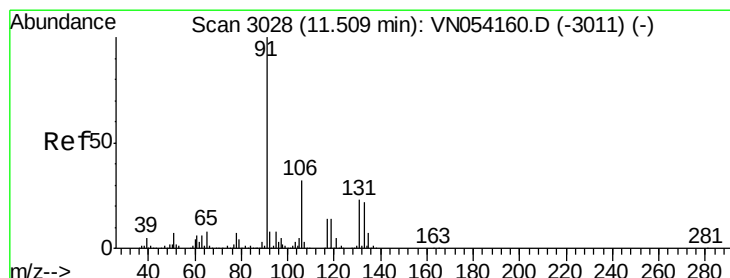
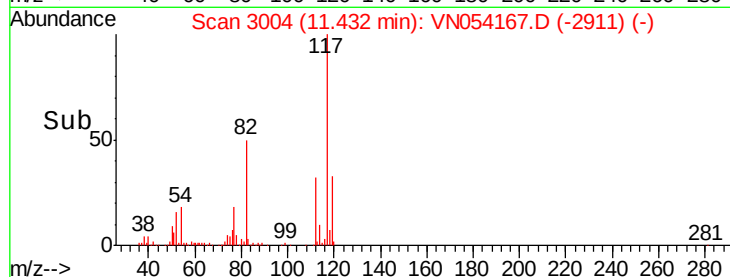
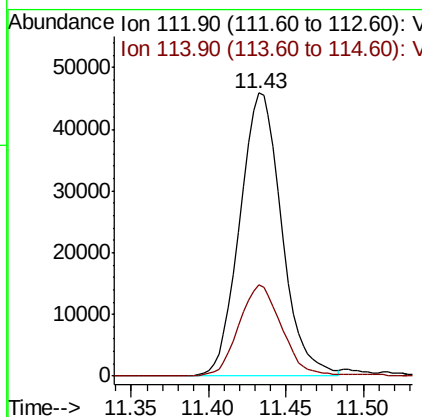
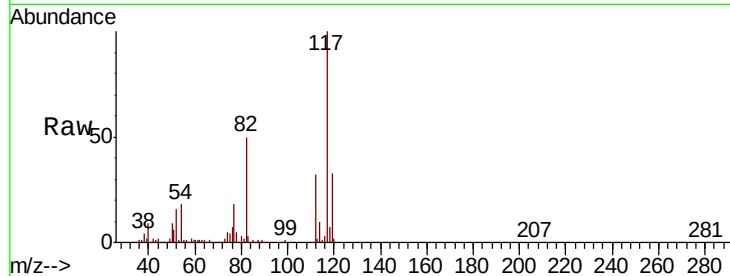
#65
Chlorobenzene
Concen: 2.048 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:112 Resp: 86703
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

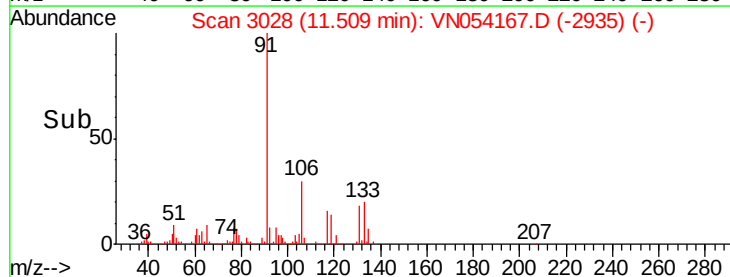
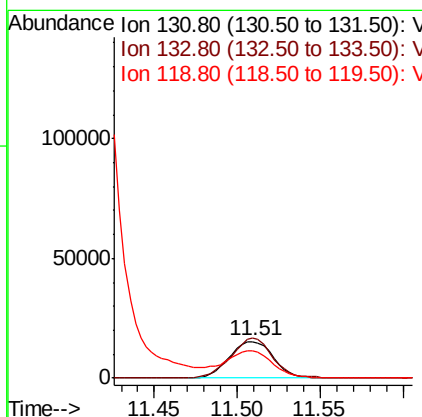
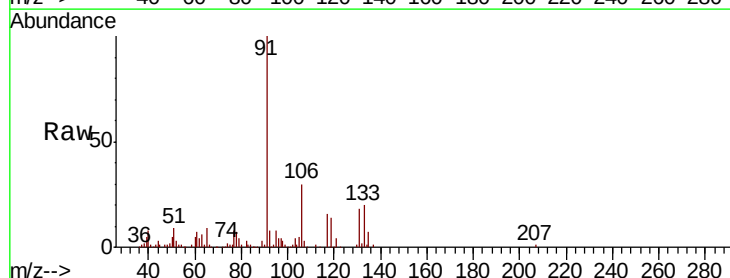
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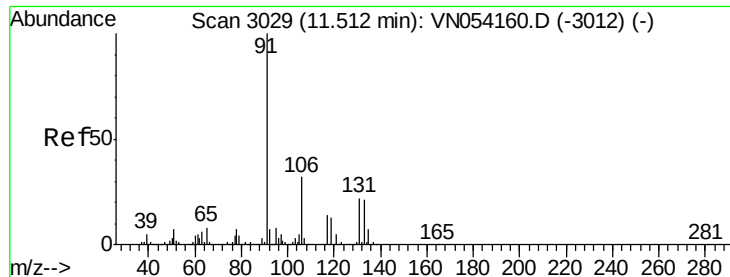
MMDadoda
3/13/2019 11:48:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 1.852 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion:131 Resp: 28494
Ion Ratio Lower Upper
131 100
133 103.1 47.6 142.9
119 77.4 32.4 97.0





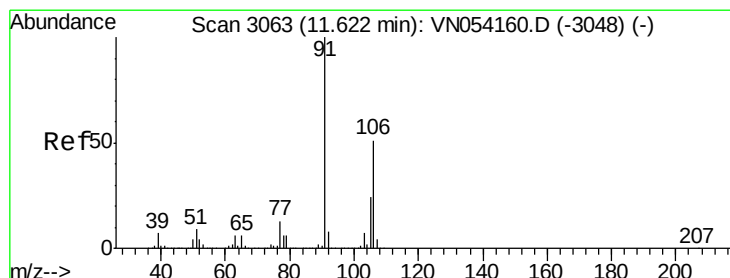
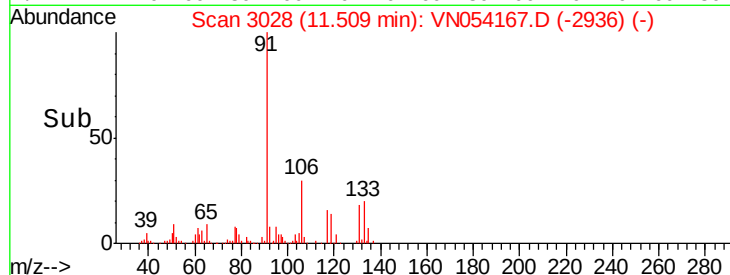
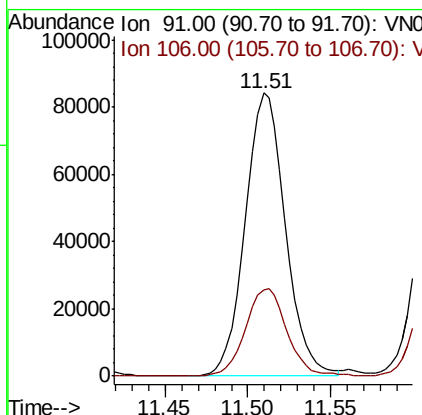
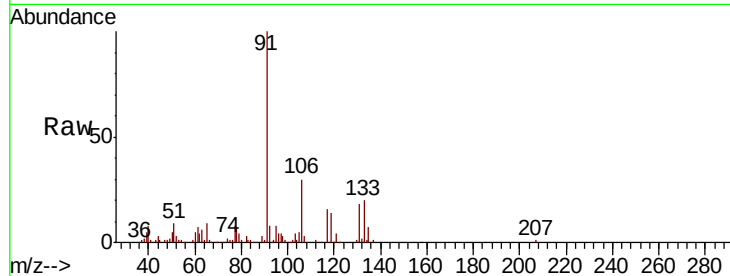
#67
Ethyl Benzene
Concen: 2.016 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 91 Resp: 141494
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

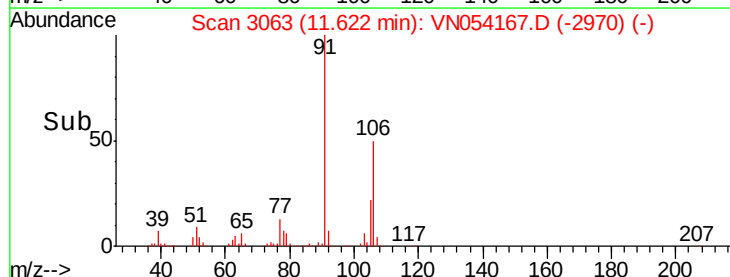
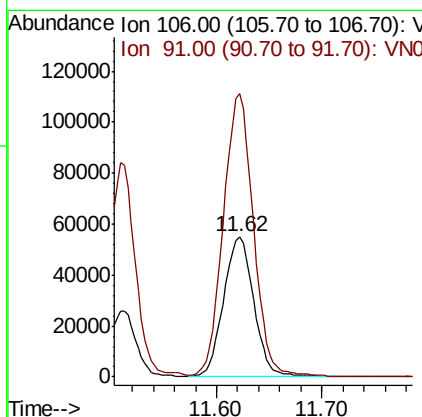
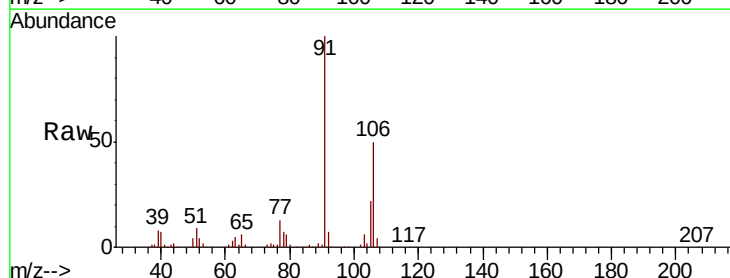
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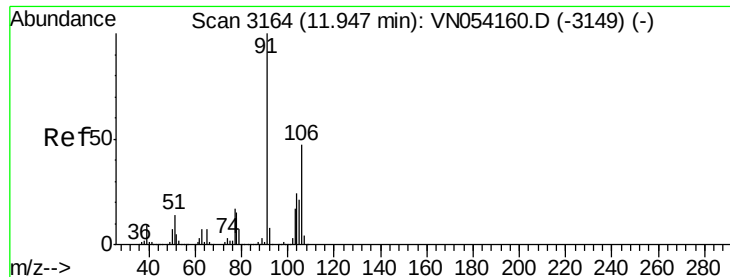
MMDadoda
3/13/2019 11:48:36 AM



#68
m/p-Xylenes
Concen: 3.996 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 106 Resp: 109624
Ion Ratio Lower Upper
106 100
91 199.5 159.4 239.2





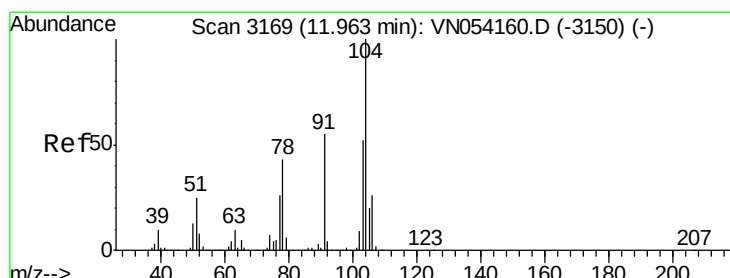
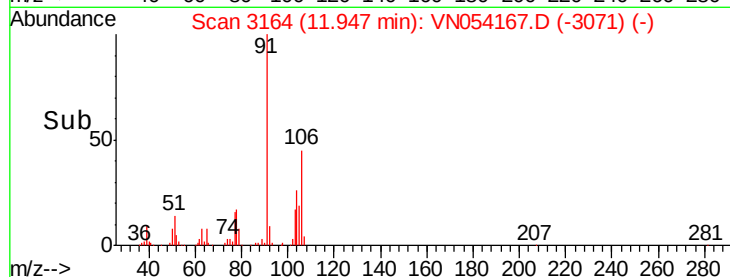
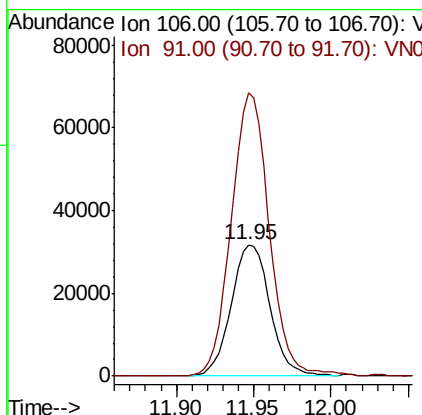
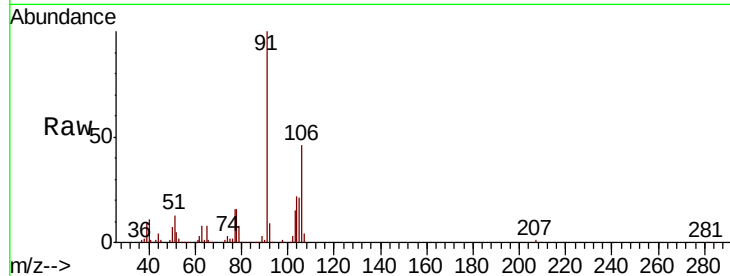
#69
o-Xylene
Concen: 2.067 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion:106 Resp: 55277
Ion Ratio Lower Upper
106 100
91 211.4 105.7 317.1

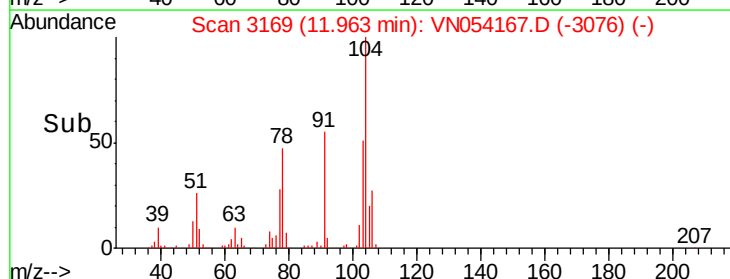
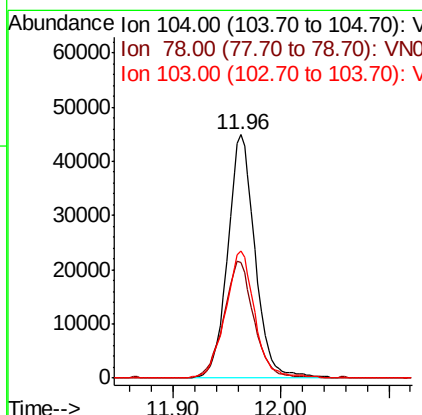
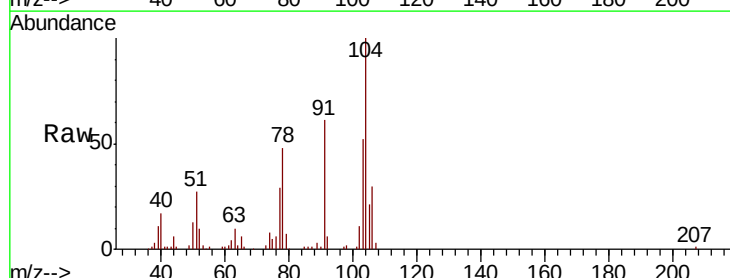
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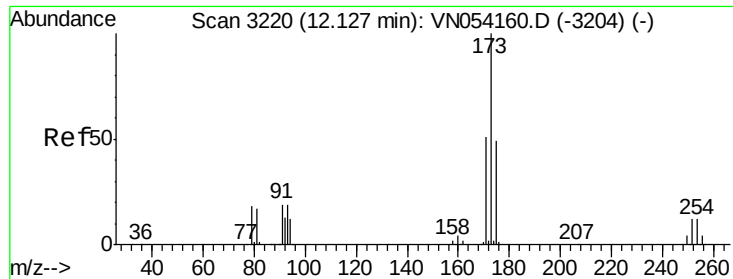
MMDadoda
3/13/2019 11:48:36 AM



#70
Styrene
Concen: 1.889 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion:104 Resp: 79216
Ion Ratio Lower Upper
104 100
78 52.7 38.2 57.2
103 55.3 44.4 66.6





#71

Bromoform

Concen: 1.667 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:173 Resp: 16976

Ion Ratio Lower Upper

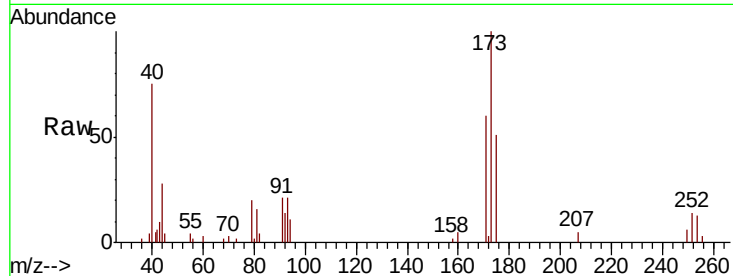
173 100

175 47.9 24.4 73.2

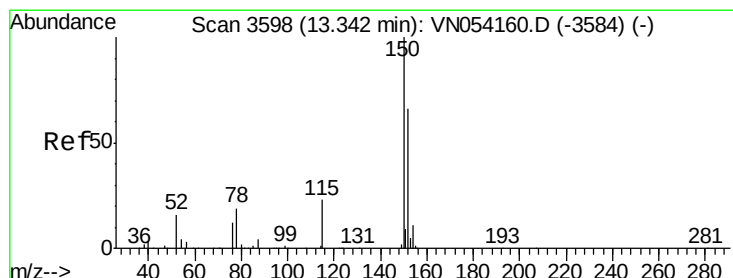
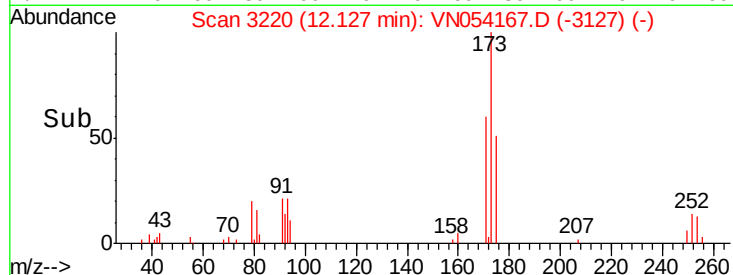
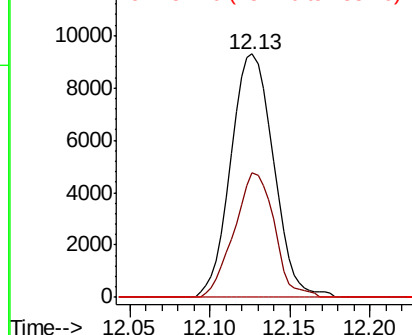
254 0.0 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

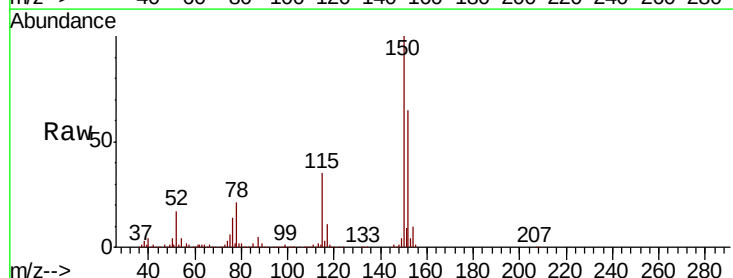
Tgt Ion:152 Resp: 769705

Ion Ratio Lower Upper

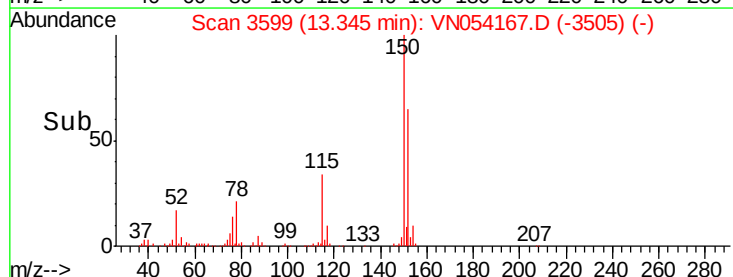
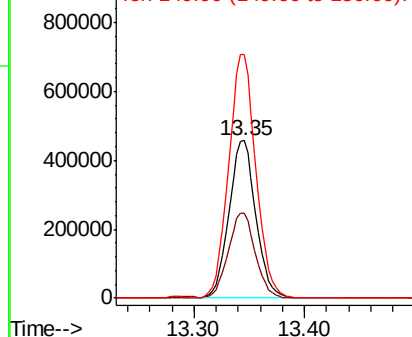
152 100

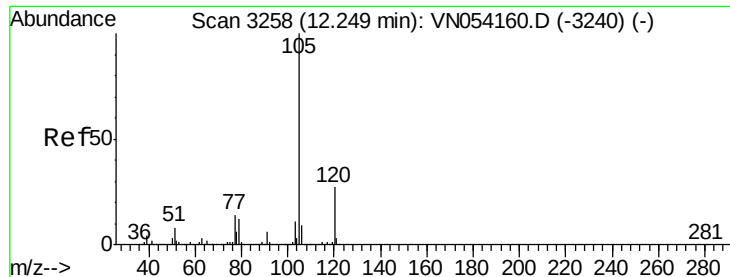
115 54.5 27.2 81.6

150 156.5 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





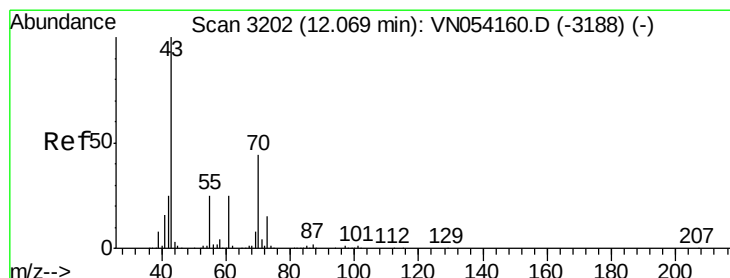
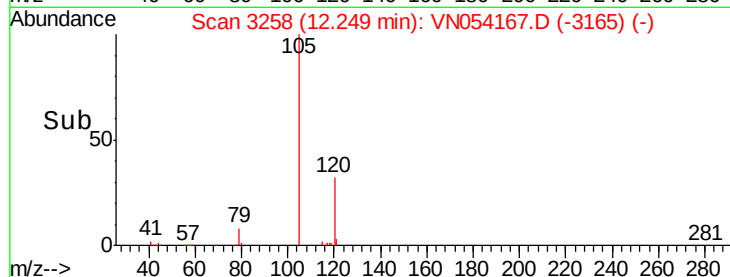
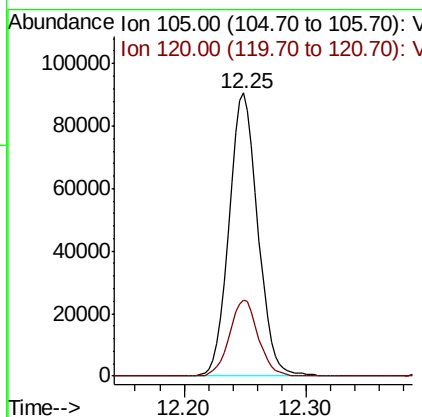
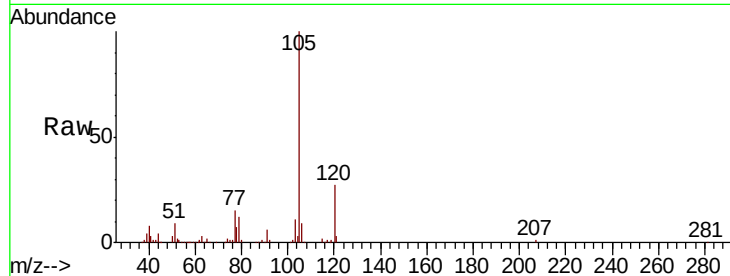
#73
Isopropylbenzene
Concen: 2.424 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.8	41.3

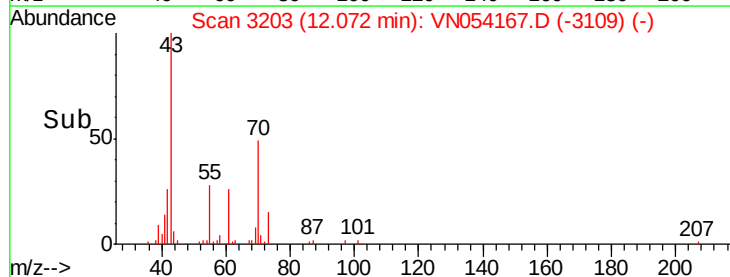
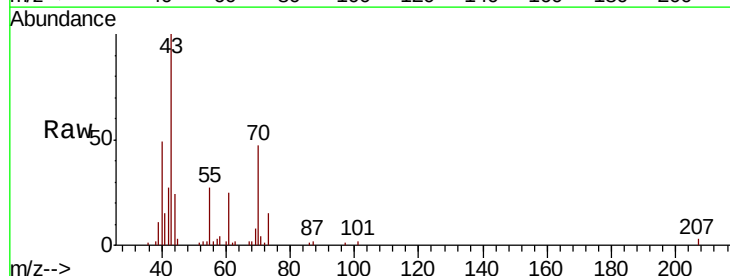
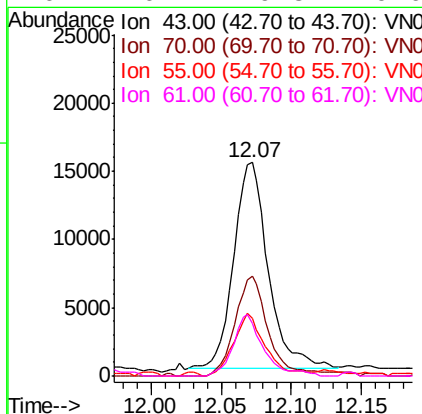
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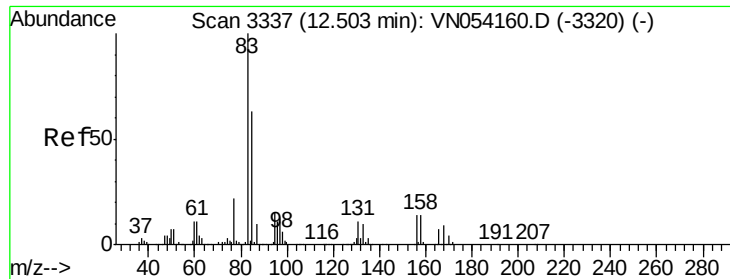
MMDadoda
3/13/2019 11:48:36 AM



#74
N-ethyl acetate
Concen: 1.873 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.9	35.4	53.0
55	28.1	19.8	29.6
61	26.2	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.239 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

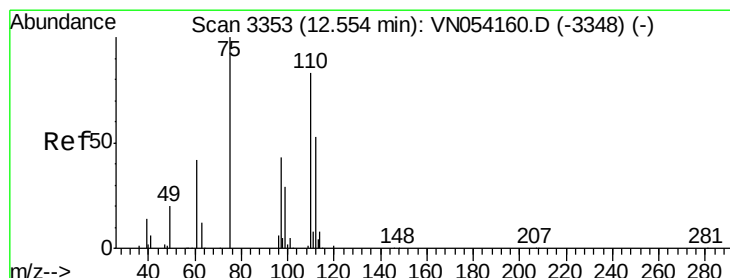
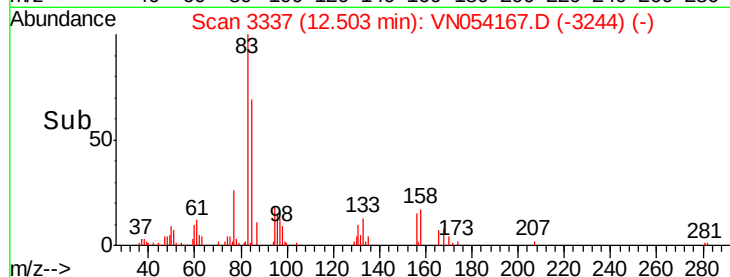
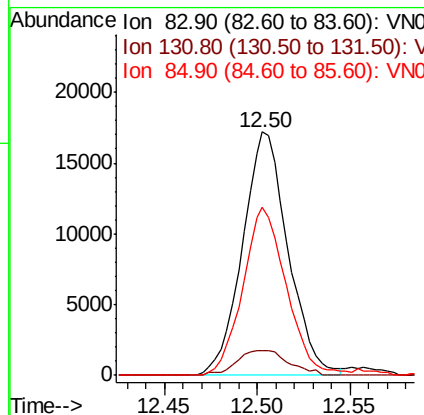
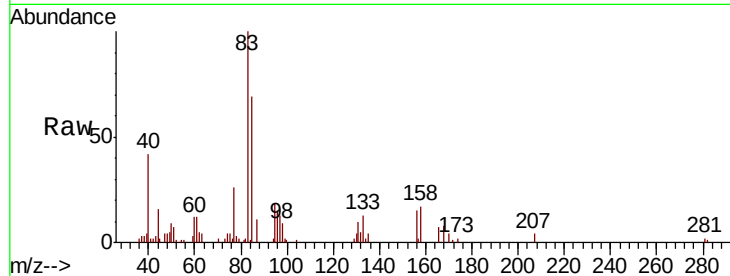
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:	83	Resp:	29374
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	66.0	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 2.245 ug/l m

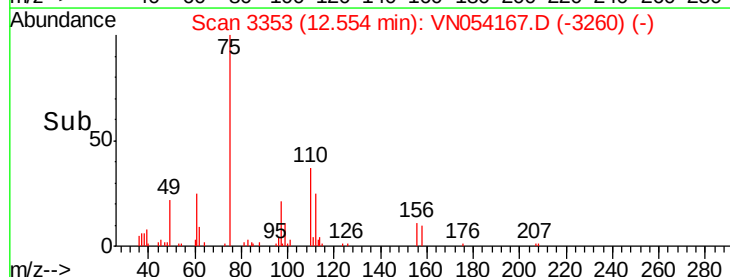
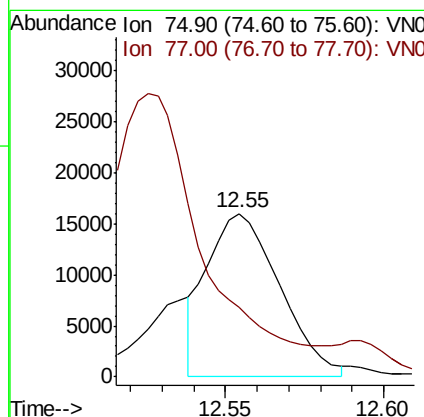
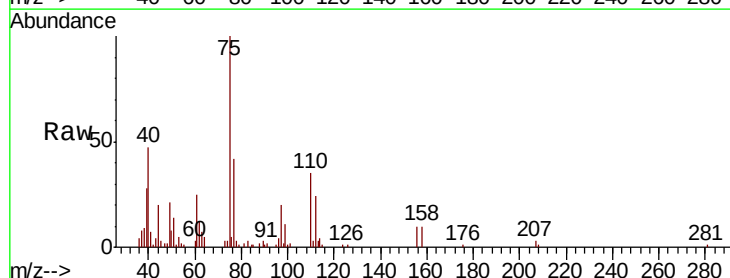
RT: 12.55 min Scan# 3353

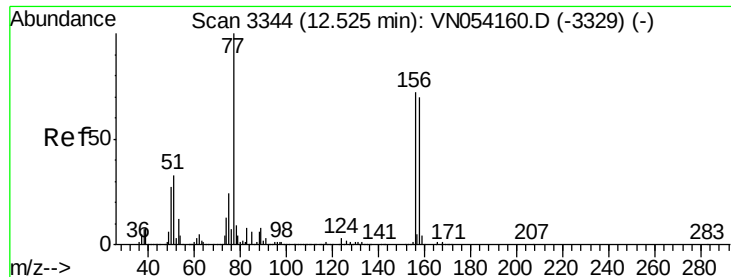
Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion:	75	Resp:	25410
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.244 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

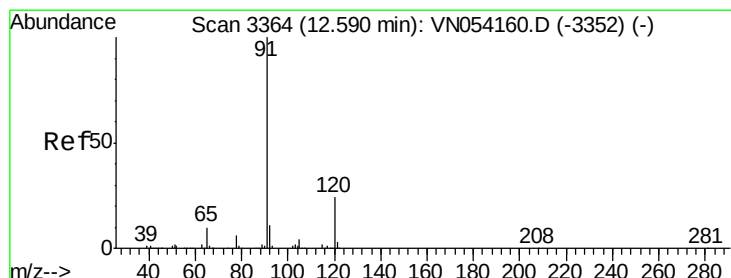
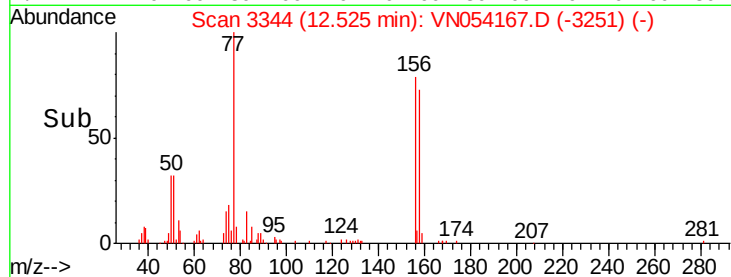
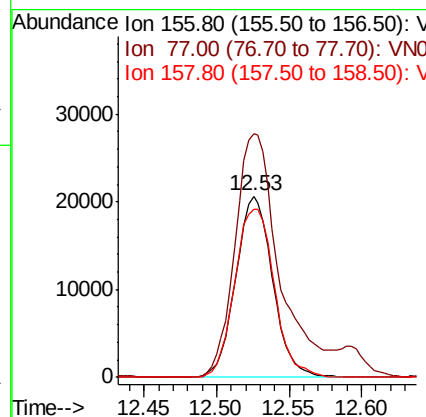
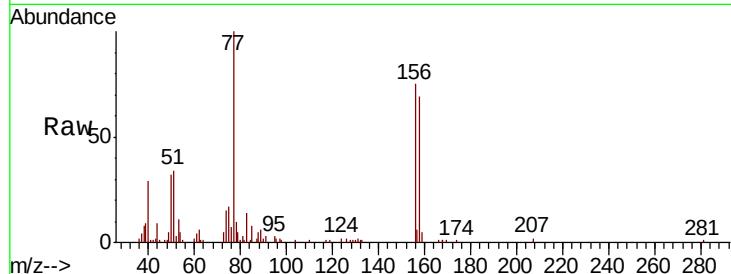
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
156	100		
77	164.7	81.5	244.4
158	99.5	49.0	147.2

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#78

n-propylbenzene

Concen: 2.231 ug/l

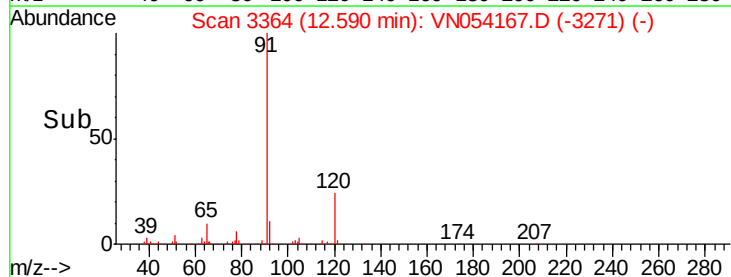
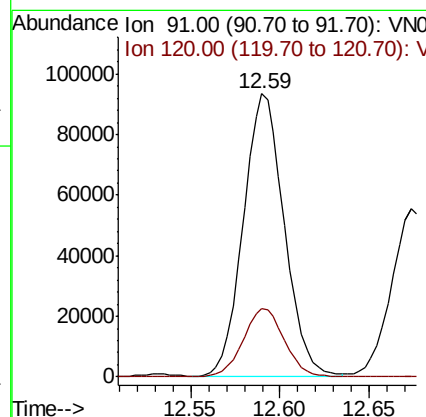
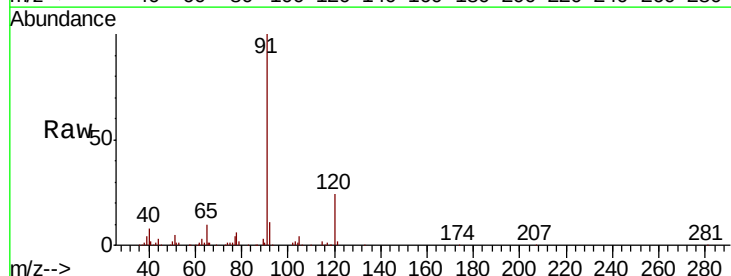
RT: 12.59 min Scan# 3364

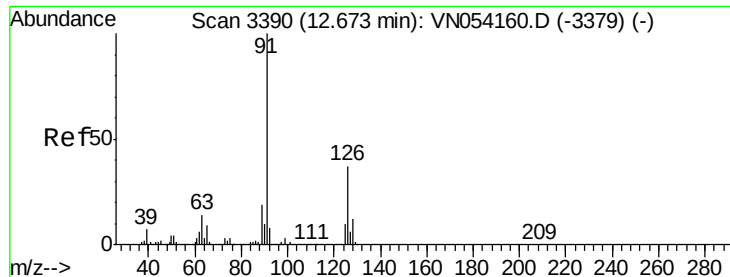
Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.3	36.9





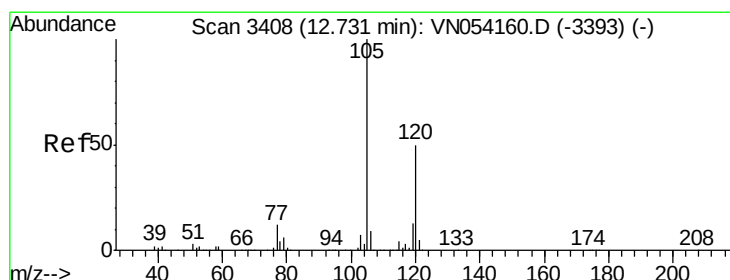
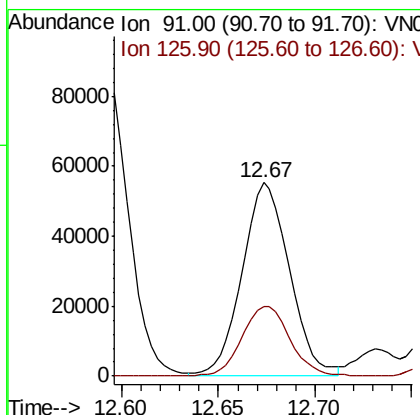
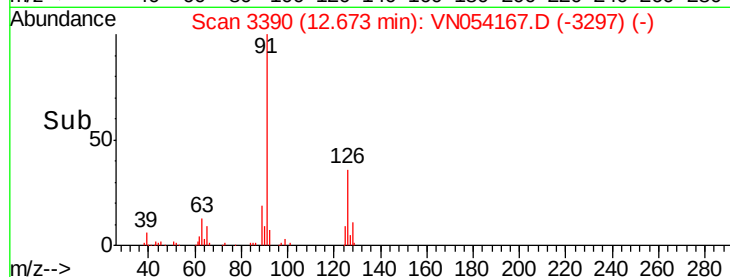
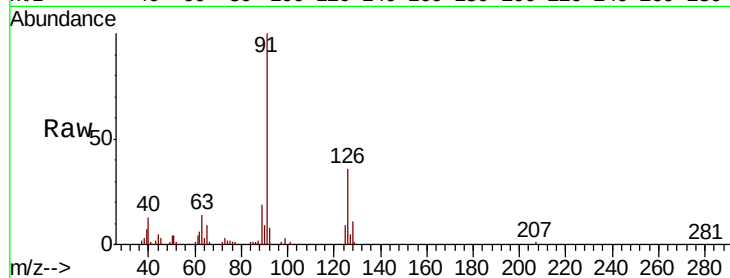
#79
2-Chlorotoluene
Concen: 2.333 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 91 Resp: 93745
Ion Ratio Lower Upper
91 100
126 36.9 18.7 56.1

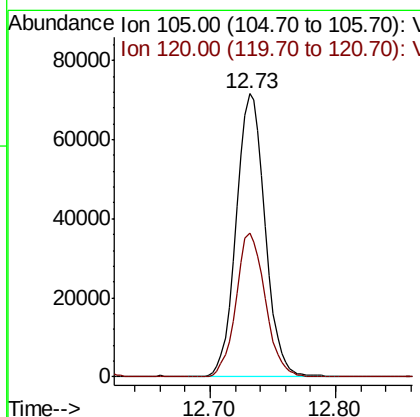
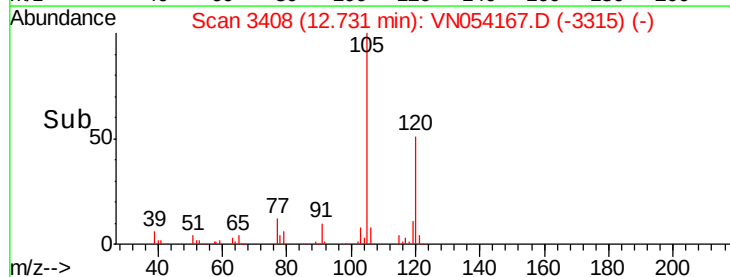
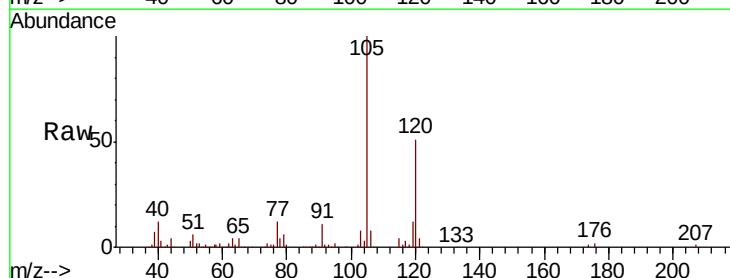
Manual Integrations
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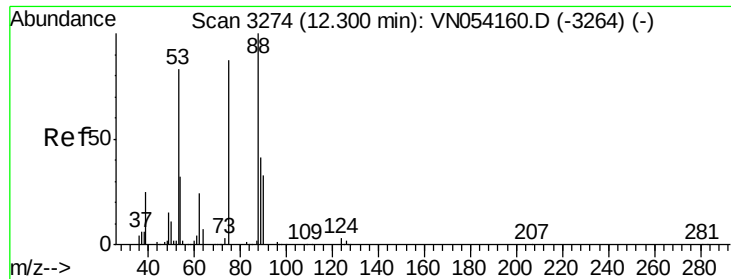
MMDadoda
3/13/2019 11:48:36 AM



#80
1,3,5-Trimethylbenzene
Concen: 2.233 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 105 Resp: 114380
Ion Ratio Lower Upper
105 100
120 51.3 25.0 75.0





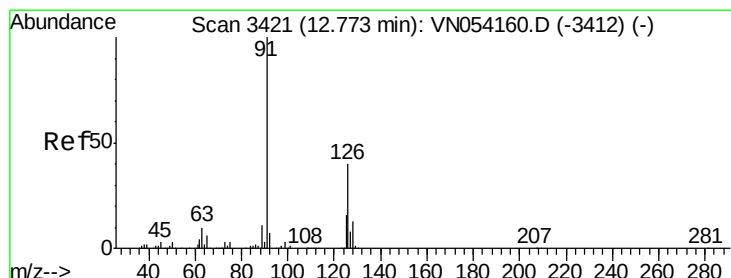
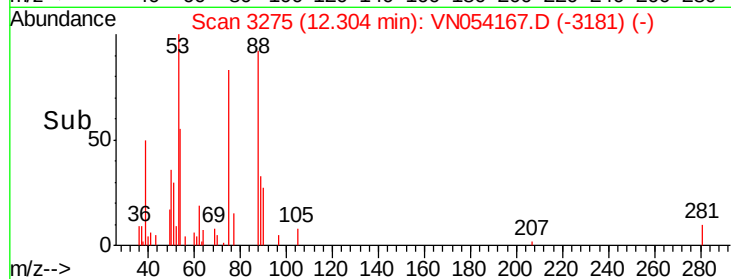
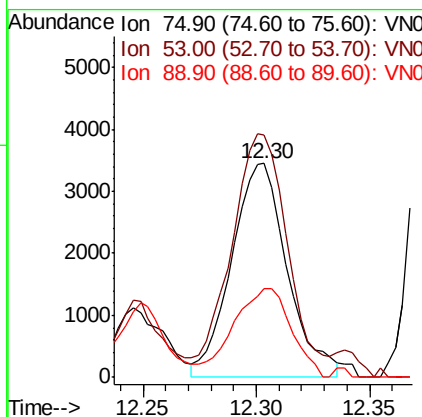
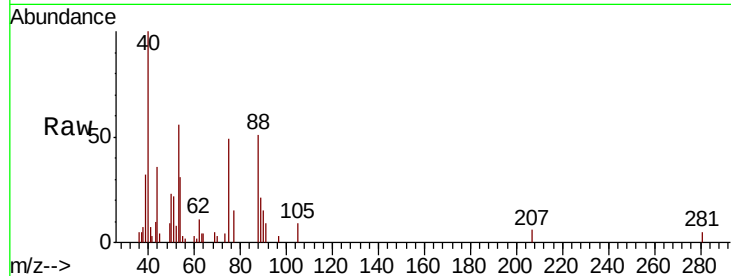
#81
trans-1,4-Dichloro-2-butene
Concen: 1.778 ug/l m
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	76.2	114.2#
89	0.0	39.2	58.8#

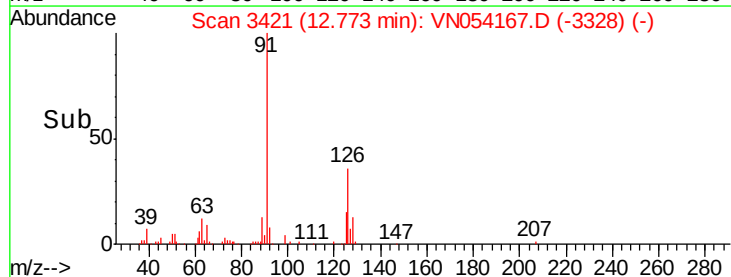
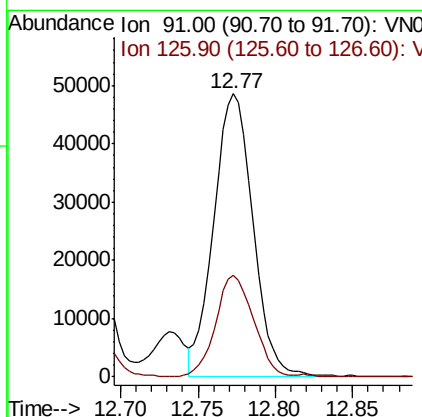
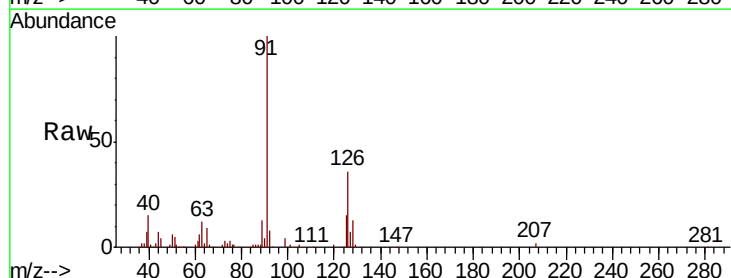
Manual Integrations
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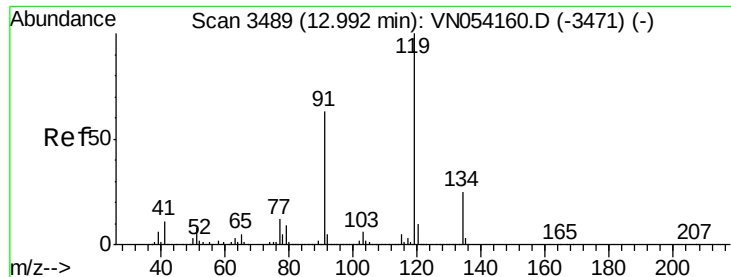
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#82
4-Chlorotoluene
Concen: 2.115 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	18.1	54.1





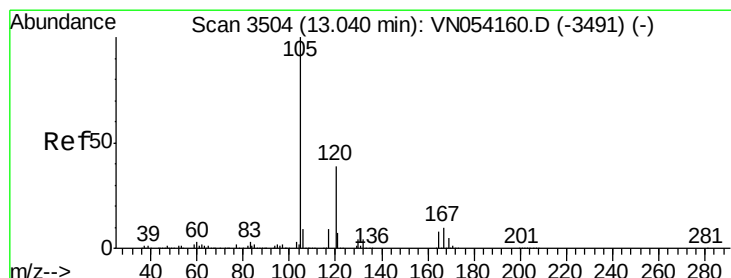
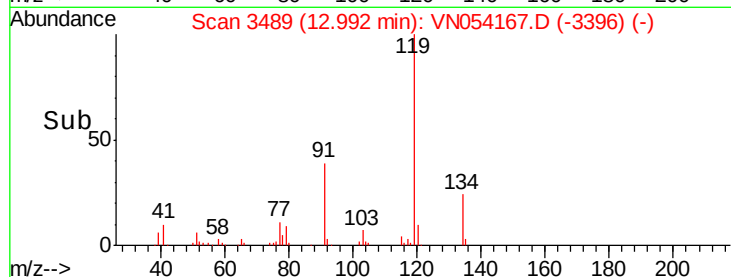
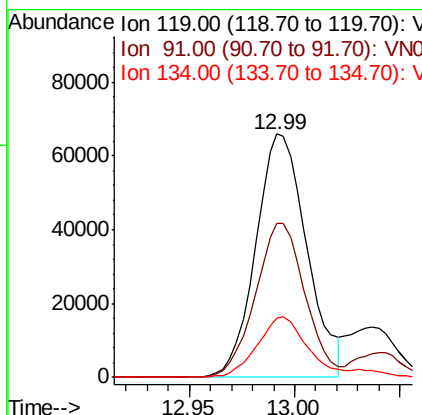
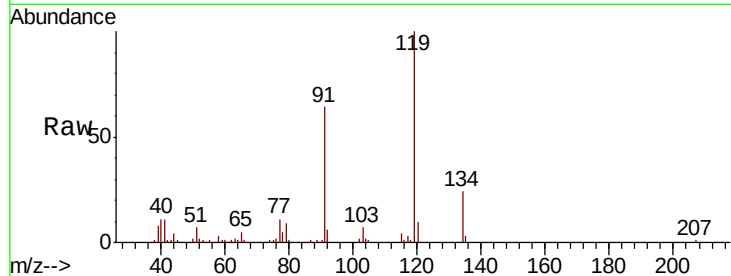
#83
 tert-Butylbenzene
 Concen: 2.354 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	110983		
91	61.5	30.9	92.8	
134	24.3	13.2	39.6	

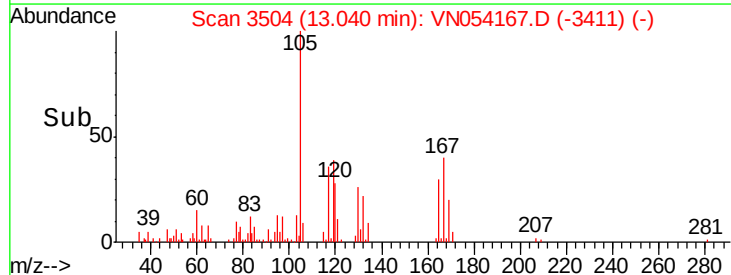
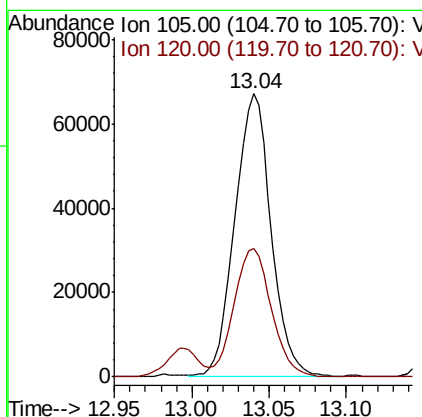
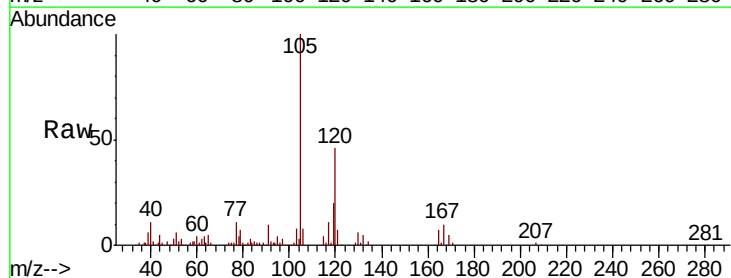
Manual Integrations
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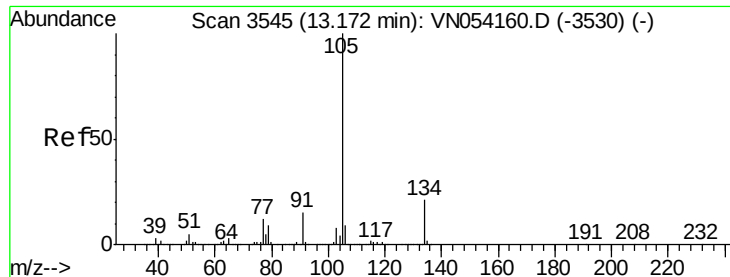
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.150 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	108018		
120	47.2	23.4	70.3	





#85

sec-Butylbenzene

Concen: 2.300 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tgt Ion:105 Resp: 140620

Ion Ratio Lower Upper

105 100

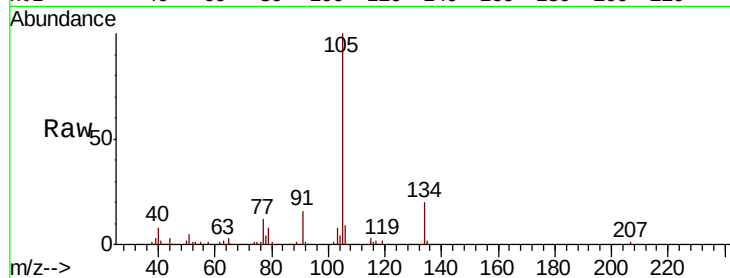
134 21.1 10.7 32.1

Manual Integrations

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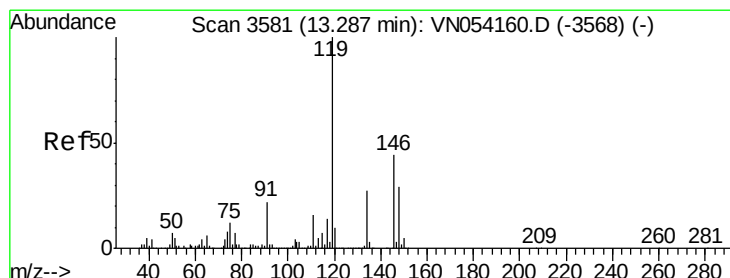
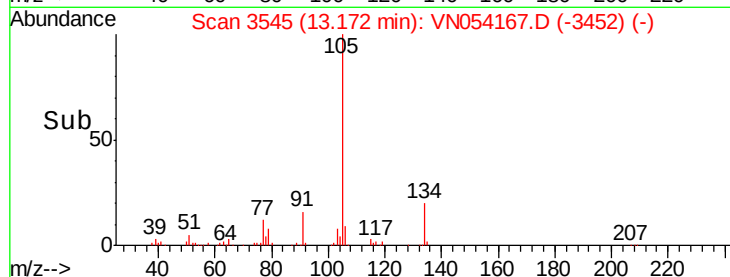
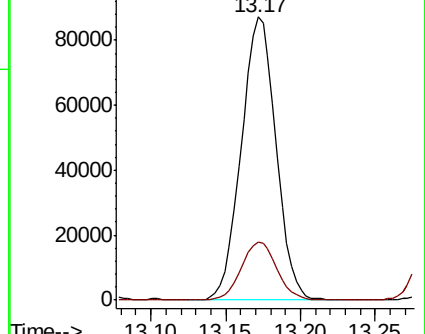
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.219 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

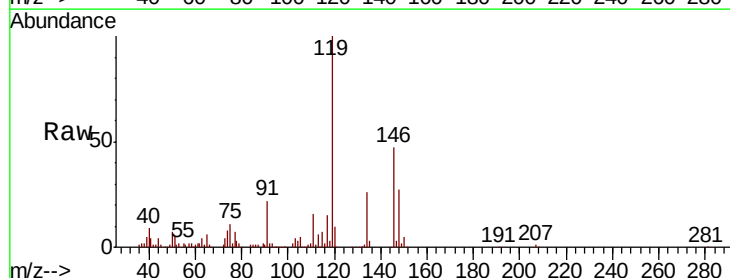
Tgt Ion:119 Resp: 119035

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

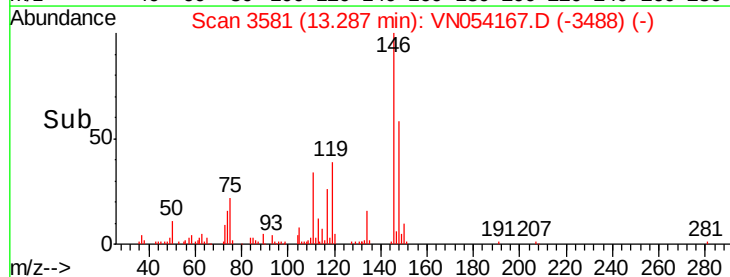
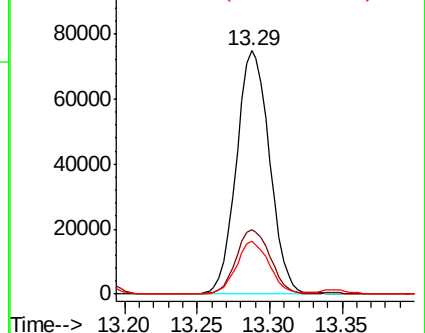
91 21.7 11.1 33.3

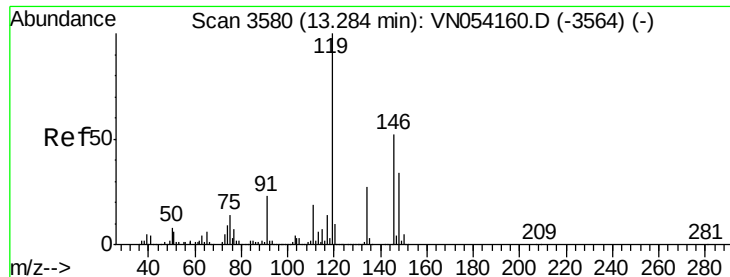


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 2.277 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

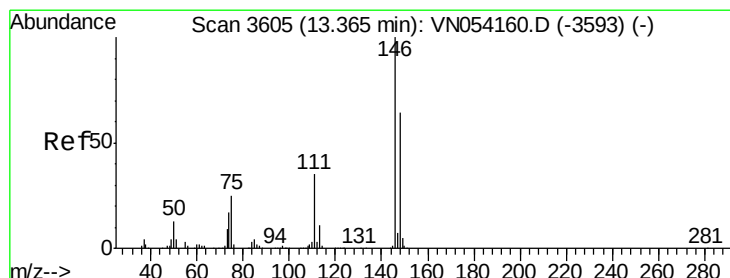
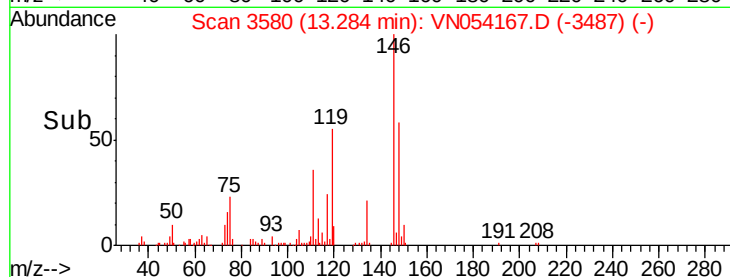
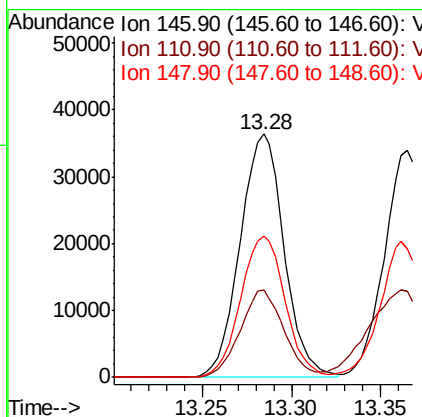
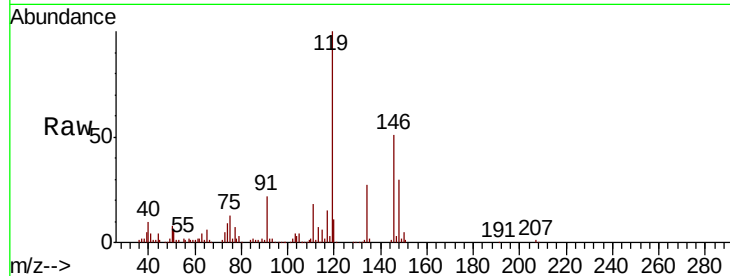
Instrument :
MSVOA_N

ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	62515		
111	35.7	18.8	56.3	
148	58.7	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 2.121 ug/l

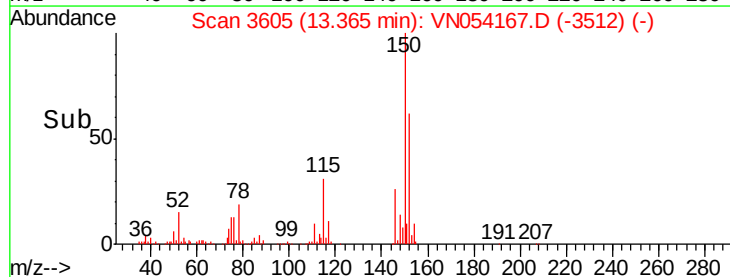
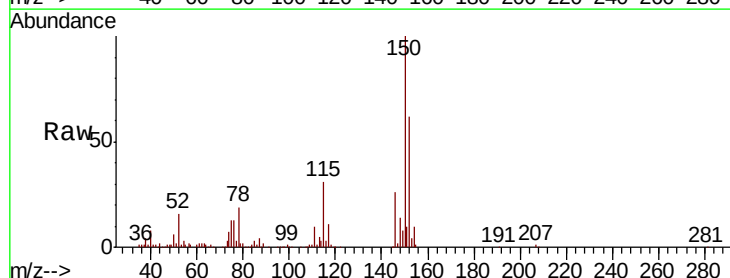
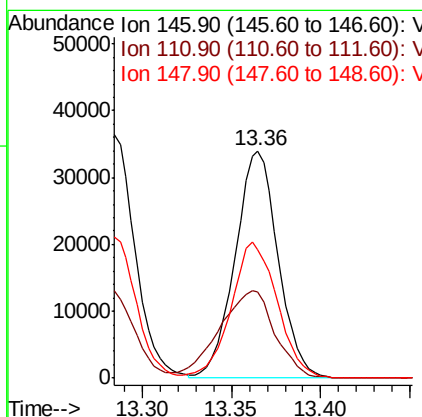
RT: 13.36 min Scan# 3605

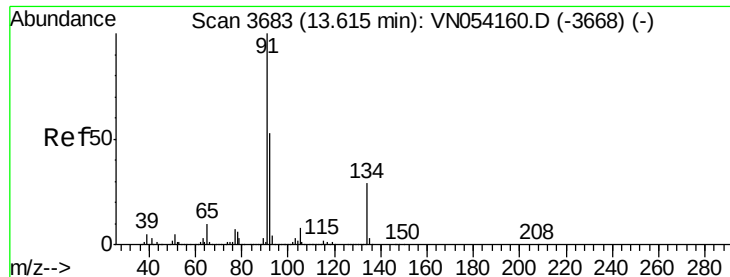
Delta R.T. 0.00 min

Lab File: VN054167.D

Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	57206		
111	50.0	18.1	54.1	
148	64.4	32.0	96.0	





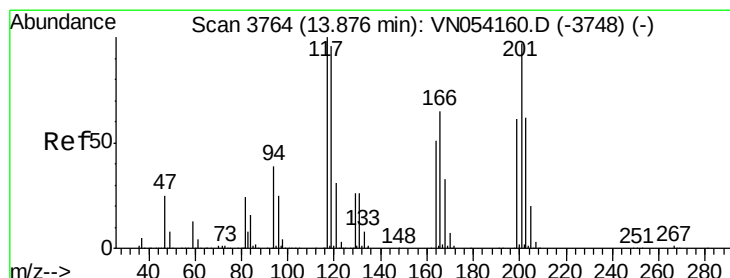
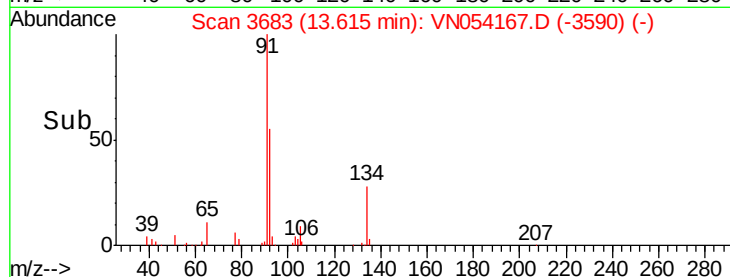
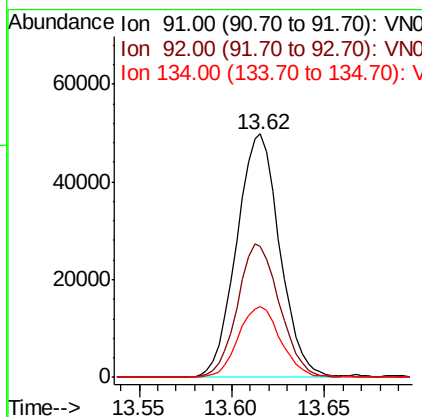
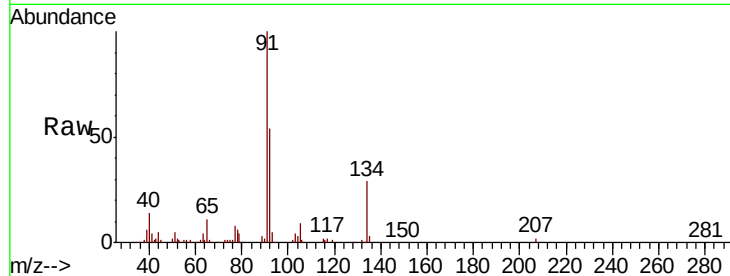
#89
n-Butylbenzene
Concen: 1.973 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion: 91 Resp: 80422
Ion Ratio Lower Upper
91 100
92 53.5 26.2 78.6
134 28.7 14.3 42.9

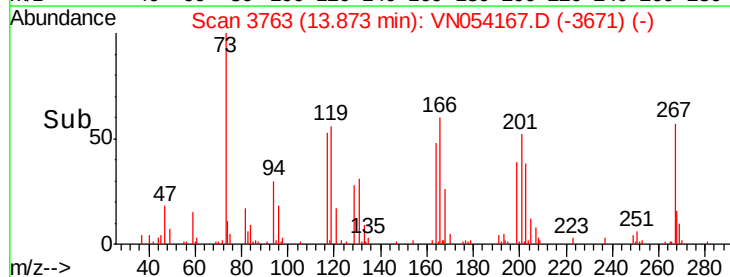
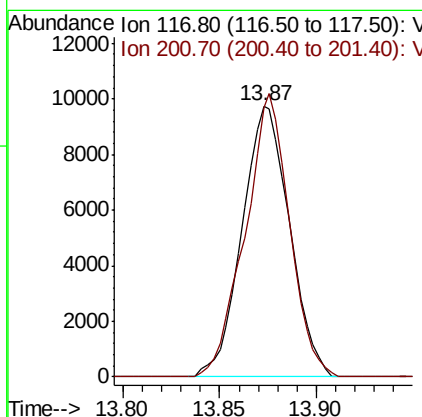
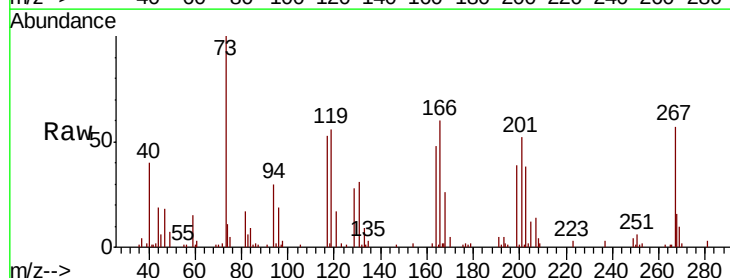
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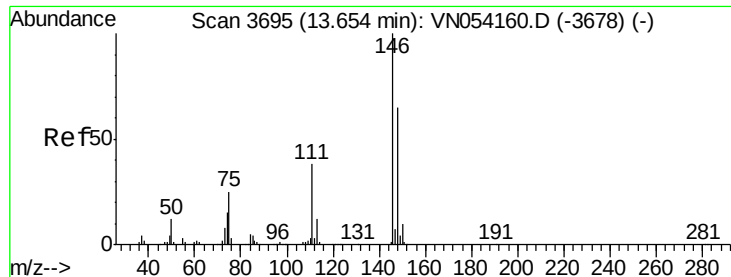
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#90
Hexachloroethane
Concen: 1.872 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion: 117 Resp: 16626
Ion Ratio Lower Upper
117 100
201 97.9 48.1 144.4





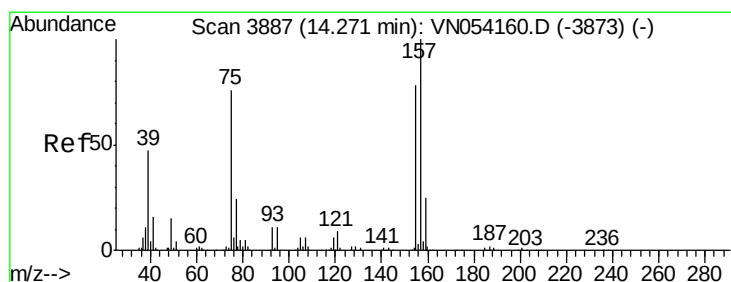
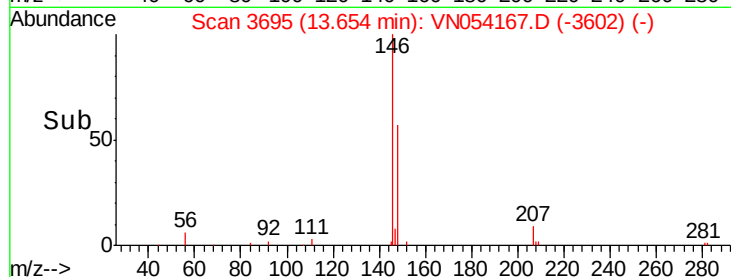
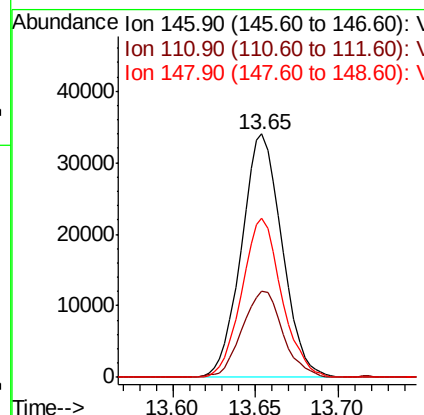
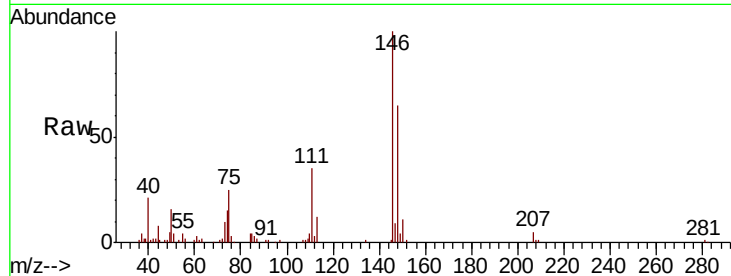
#91
 1,2-Dichlorobenzene
 Concen: 2.154 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	19.1	57.3
148	63.9	32.4	97.0

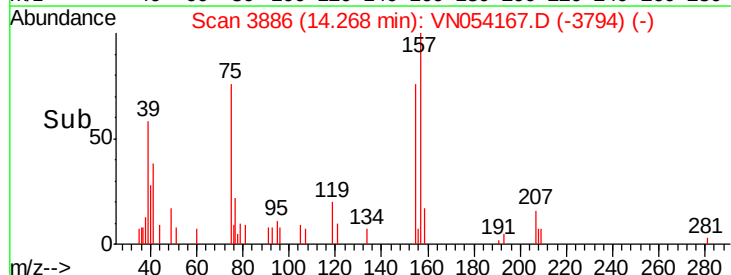
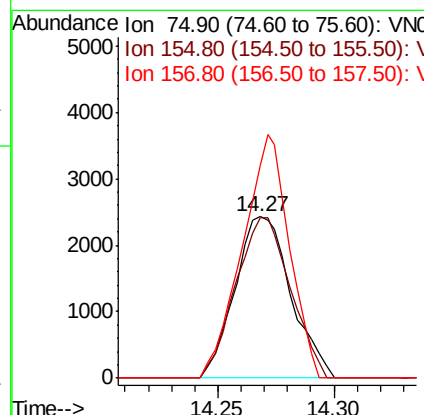
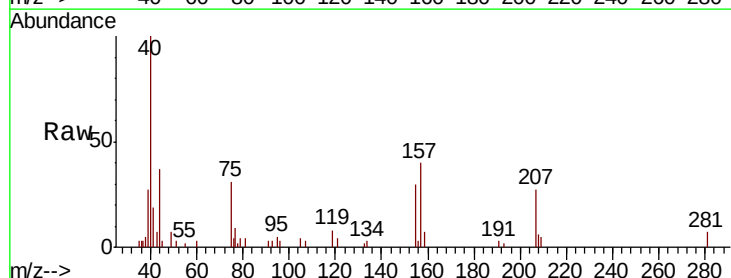
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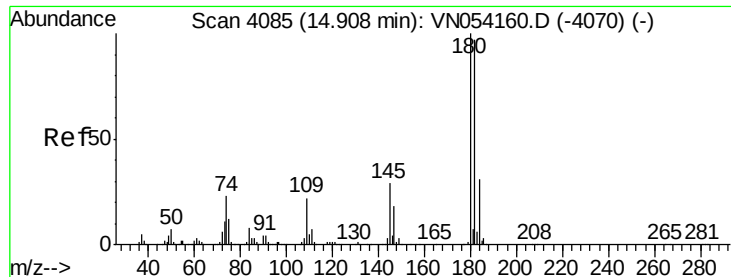
MMDadoda
 3/13/2019 11:48:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.005 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	50.1	150.3
157	126.3	63.1	189.3





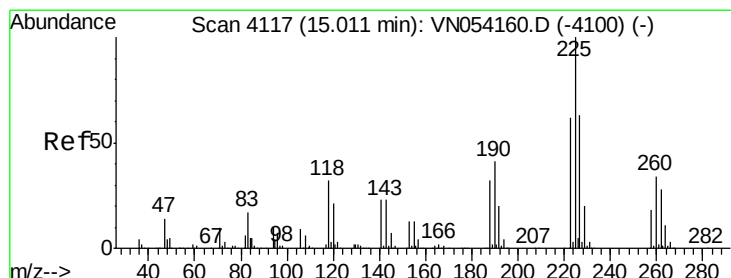
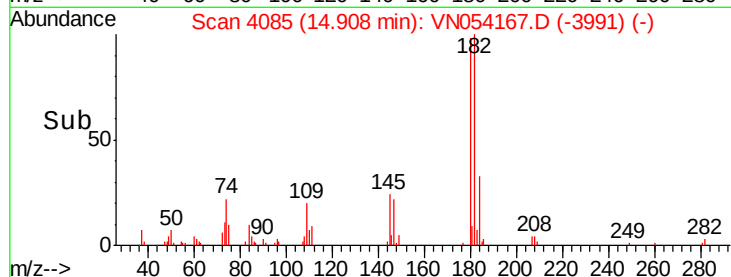
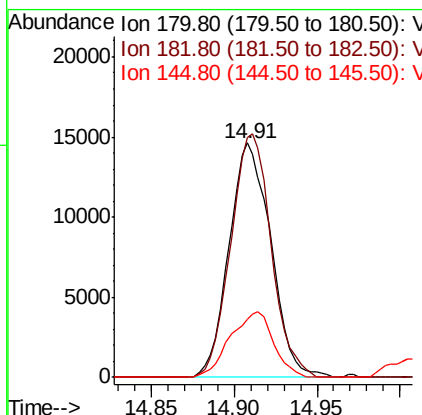
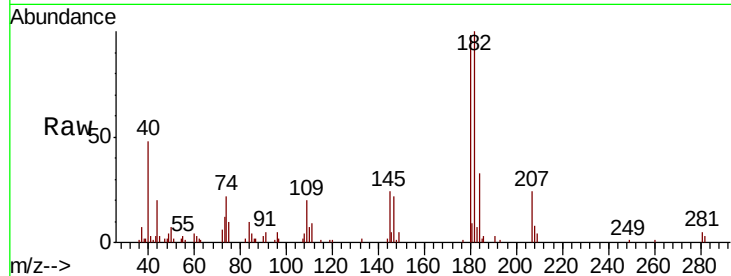
#93
 1,2,4-Trichlorobenzene
 Concen: 1.844 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	25587		
182	100.4	48.0	144.2	
145	28.7	14.2	42.8	

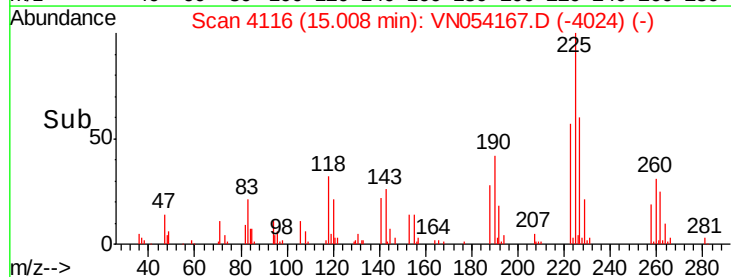
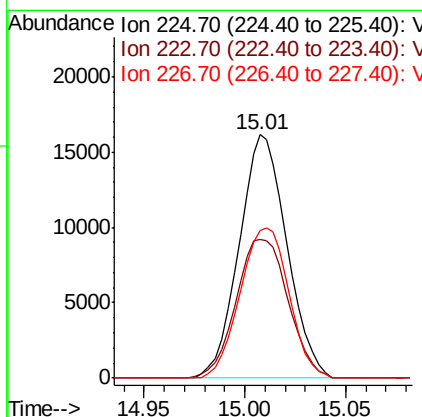
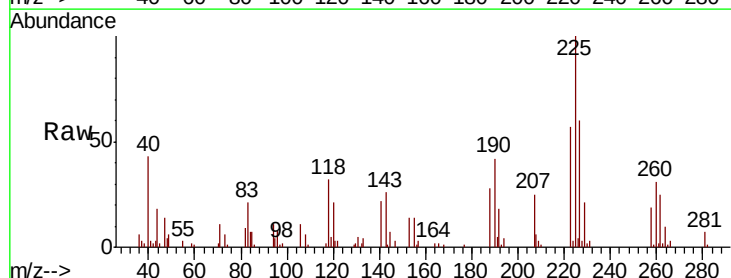
Manual Integrations
 APPROVED

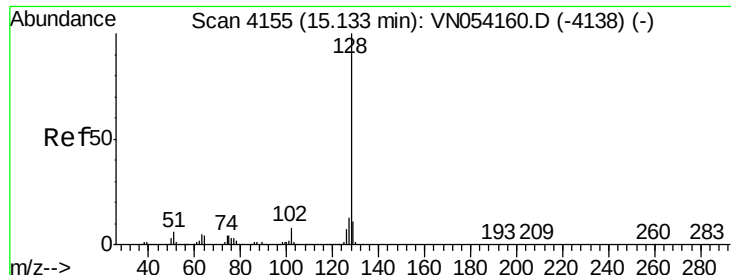
MMDadoda
 3/13/2019 11:48:36 AM



#94
 Hexachlorobutadiene
 Concen: 2.609 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054167.D
 Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26671		
223	62.4	31.1	93.5	
227	63.5	31.9	95.9	





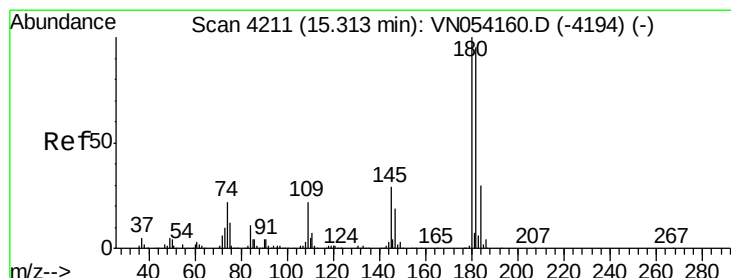
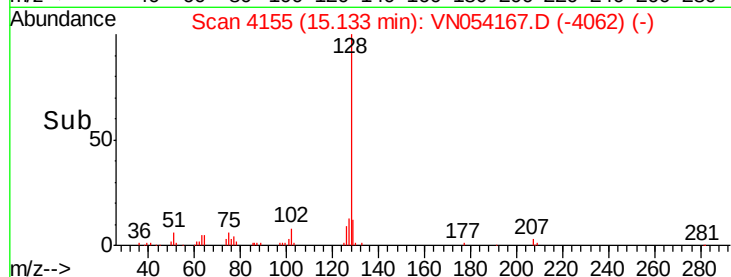
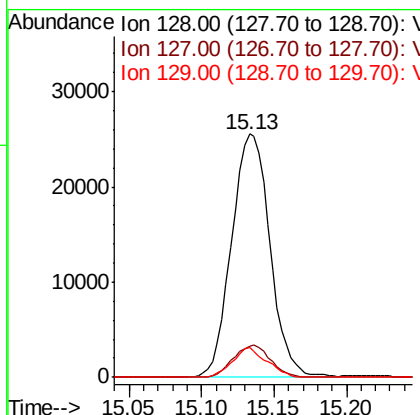
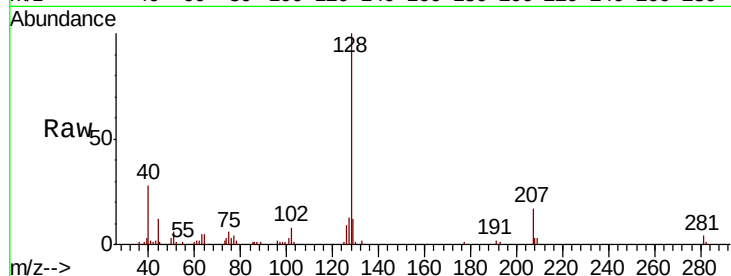
#95
Naphthalene
Concen: 1.648 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	47019		
127	12.9	10.1	15.1	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:48:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 1.591 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054167.D
Acq: 12 Mar 2019 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22694		
182	95.0	47.5	142.6	
145	32.2	14.8	44.3	

