

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070319\
 Data File : VN056584.D
 Acq On : 3 Jul 2019 13:25
 Operator : JC/SP
 Sample : K3591-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 10:05:15 AM

Quant Time: Jul 03 22:29:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49168	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	268764	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	225401	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105060	30.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.30%
60) 4-Bromofluorobenzene	12.40	95	92894	26.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.40%
63) Toluene-d8	10.09	98	326218	31.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	6081m	2.466 ug/l	
3) Chloromethane	2.06	50	9077	2.536 ug/l	99
4) Vinyl Chloride	2.18	62	8762m	2.601 ug/l	
5) Bromomethane	2.53	94	6277m	3.493 ug/l	
6) Chloroethane	2.69	64	4510	2.418 ug/l	98
7) Trichlorofluoromethane	3.00	101	11417	2.641 ug/l	93
8) Diethyl Ether	3.41	74	4671	2.547 ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	7054	2.575 ug/l	84
10) 1,1-Dichloroethene	3.73	96	6825	2.539 ug/l	97
11) Methyl Iodide	3.95	142	9146m	2.380 ug/l	
12) Methyl Acetate	4.33	43	13319	3.675 ug/l	94
13) Acrolein	3.61	56	5365	15.160 ug/l	92
14) Acrylonitrile	5.00	53	19994	12.563 ug/l #	61
15) Acetone	3.82	58	5458	12.291 ug/l	94
16) Carbon Disulfide	4.05	76	15223	2.356 ug/l	98
17) Allyl chloride	4.32	41	11182	2.377 ug/l	96
18) Methylene Chloride	4.56	84	9026	2.840 ug/l	94
19) trans-1,2-Dichloroethene	5.05	96	7411	2.542 ug/l	90
20) Diisopropyl ether	5.96	45	24699	2.542 ug/l	93
21) 1,1-Dichloroethane	5.85	63	13870	2.530 ug/l #	93
22) cis-1,2-Dichloroethene	6.83	96	8740	2.550 ug/l	92
23) tert-Butyl Alcohol	4.80	59	12209m	20.508 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	22412m	2.521 ug/l	
25) Chloroform	7.37	83	14026	2.611 ug/l	94
26) Cyclohexane	7.65	56	12547	2.485 ug/l #	94
29) 1,1-Dichloropropene	7.80	75	9631	2.427 ug/l	84
30) 2-Butanone	6.85	43	25990	11.813 ug/l #	97
31) 2,2-Dichloropropane	6.83	77	9297m	2.436 ug/l	
32) 1,1,1-Trichloroethane	7.57	97	10227	2.417 ug/l	97
33) Carbon Tetrachloride	7.78	117	8306	2.316 ug/l	96
34) Benzene	8.04	78	32684	2.634 ug/l #	22
35) Methacrylonitrile	7.18	41	4004	2.049 ug/l	94
36) 1,2-Dichloroethane	8.13	62	10356	2.567 ug/l	96
37) Trichloroethene	8.83	130	8528	2.635 ug/l	99
38) Methylcyclohexane	9.08	83	12058	2.424 ug/l	96
39) 1,2-Dichloropropane	9.12	63	8319	2.490 ug/l	98
40) Dibromomethane	9.21	93	5114	2.476 ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	9387	2.453	ug/l	97
42) Vinyl Acetate	5.90	43	88563	11.305	ug/l	96
43) Ethyl Acetate	6.93	43	9546	2.243	ug/l	94
44) Isopropyl Acetate	8.17	43	16005	2.410	ug/l	100
45) 1,4-Dioxane	9.20	88	3194m	49.159	ug/l	
46) Methyl methacrylate	9.20	41	8347	2.558	ug/l	100
47) n-amyl Acetate	12.07	43	11646	2.110	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	8591	2.094	ug/l	91
49) cis-1,3-Dichloropropene	9.84	75	9878	2.088	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	7935	2.608	ug/l	96
51) Ethyl methacrylate	10.43	69	10367	2.164	ug/l	97
52) 1,3-Dichloropropane	10.71	76	13258	2.565	ug/l	97
53) Dibromochloromethane	10.90	129	6159	2.065	ug/l	98
54) 1,2-Dibromoethane	11.00	107	7591	2.395	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	27452	11.244	ug/l	96
56) Bromoform	12.13	173	4181	1.930	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	53270	13.144	ug/l	97
59) 2-Hexanone	10.75	43	37313	12.408	ug/l	95
61) Tetrachloroethene	10.63	164	8179	2.891	ug/l	96
62) Toluene	10.16	91	34155	2.715	ug/l	98
64) Chlorobenzene	11.43	112	19637	2.591	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	6596	2.417	ug/l	99
66) Ethyl Benzene	11.51	91	33992	2.492	ug/l	98
67) m/p-Xylenes	11.62	106	24398	4.847	ug/l	92
68) o-Xylene	11.95	106	12757	2.563	ug/l	100
69) Styrene	11.96	104	18799	2.270	ug/l	95
70) Isopropylbenzene	12.25	105	32447	2.498	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.50	83	10559	2.459	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	9953m	2.756	ug/l	
73) Bromobenzene	12.53	156	7741	2.311	ug/l	80
74) n-propylbenzene	12.59	91	34367	2.332	ug/l	95
75) 2-Chlorotoluene	12.67	91	22011	2.498	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	25484	2.317	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	1836	1.587	ug/l	79
78) 4-Chlorotoluene	12.77	91	18332	2.139	ug/l	100
79) tert-butylbenzene	12.99	119	22965	2.444	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	25132	2.314	ug/l	100
81) sec-Butylbenzene	13.17	105	28035	2.250	ug/l	100
82) p-Isopropyltoluene	13.29	119	25420	2.269	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	12541	2.254	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	11458	2.135	ug/l	96
85) n-Butylbenzene	13.61	91	18696	1.986	ug/l	94
86) Hexachloroethane	13.87	117	3332	1.972	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	12501	2.213	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	1442	1.874	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	4591	1.470	ug/l	99
90) Hexachlorobutadiene	15.01	225	4655	2.400	ug/l	94
91) Naphthalene	15.13	128	13051	1.489	ug/l	97
92) 1,2,3-Trichlorobenzene	15.31	180	6263	1.911	ug/l	98

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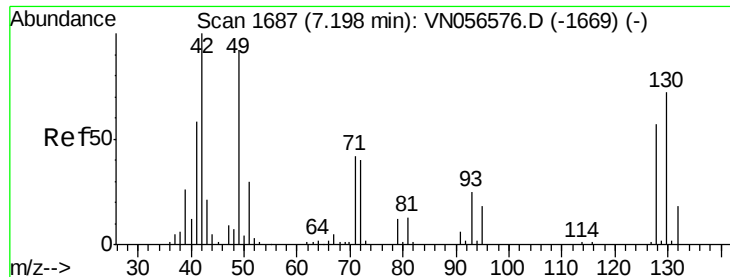
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QLast Update : Wed Jul 03 11:05:14 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

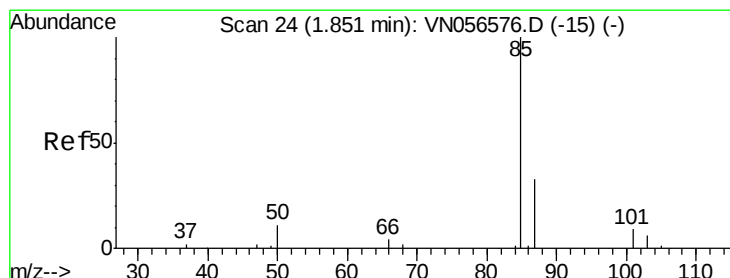
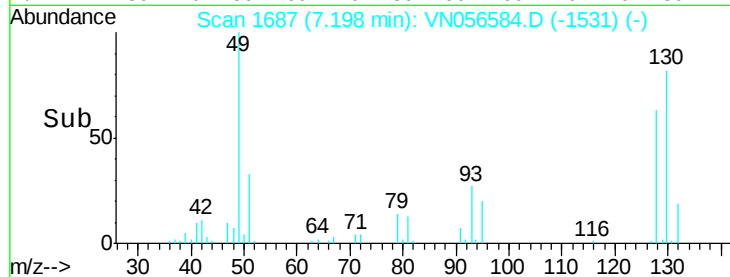
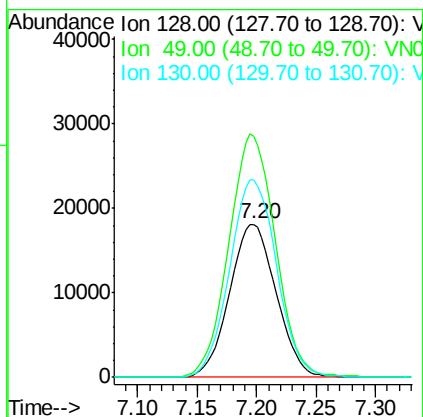
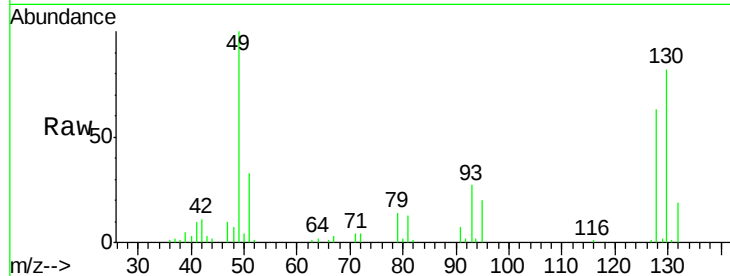
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	128	Resp:	49168
Ion	Ratio	Lower	Upper
128	100		
49	159.0	0.0	355.8
130	130.3	0.0	326.3

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#2

Dichlorodifluoromethane

Concen: 2.466 ug/l m

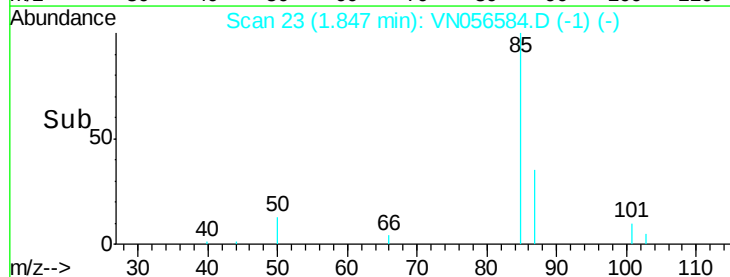
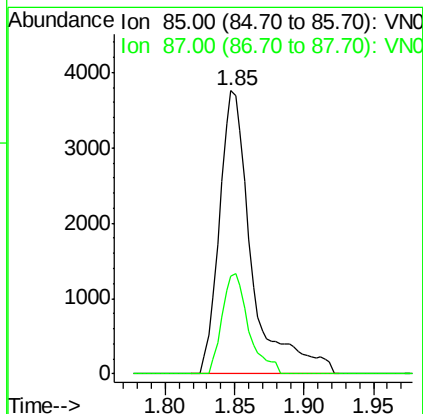
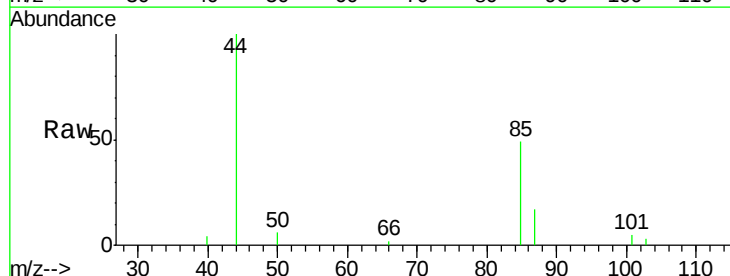
RT: 1.85 min Scan# 23

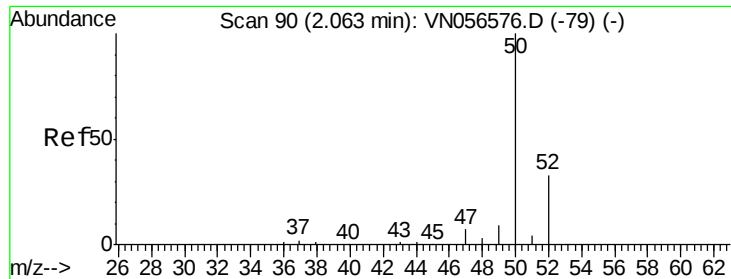
Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	85	Resp:	6081
Ion	Ratio	Lower	Upper
85	100		
87	34.6	15.9	47.7





#3

Chloromethane

Concen: 2.536 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 9077

Ion Ratio Lower Upper

50 100

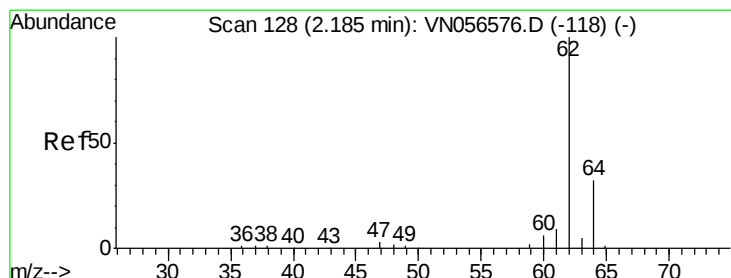
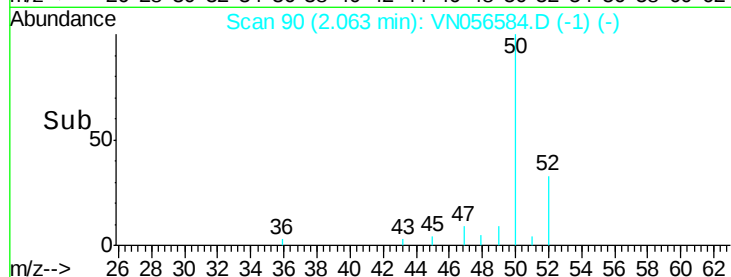
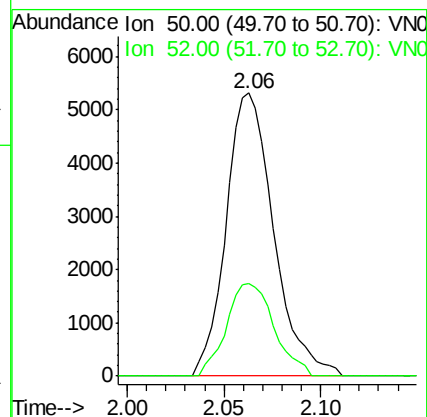
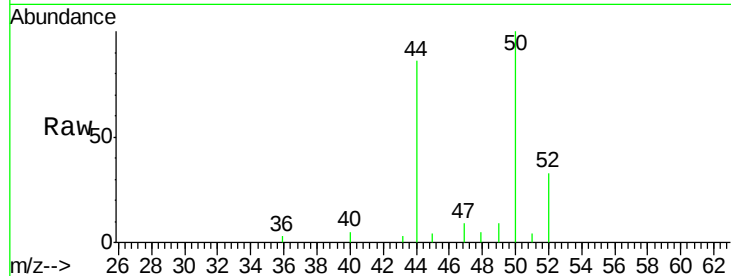
52 32.6 26.7 40.1

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#4

Vinyl Chloride

Concen: 2.601 ug/l m

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056584.D

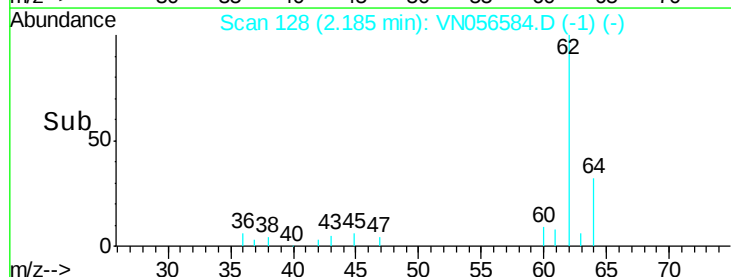
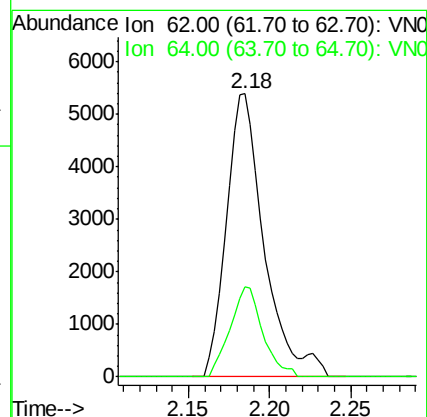
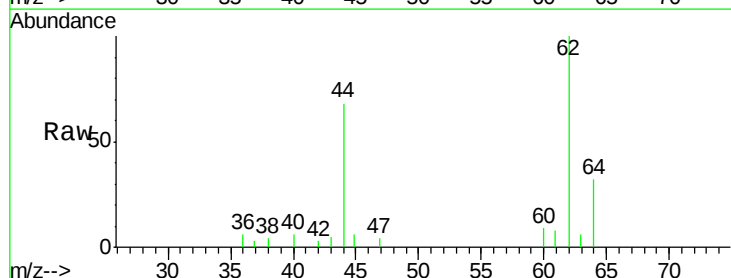
Acq: 3 Jul 2019 13:25

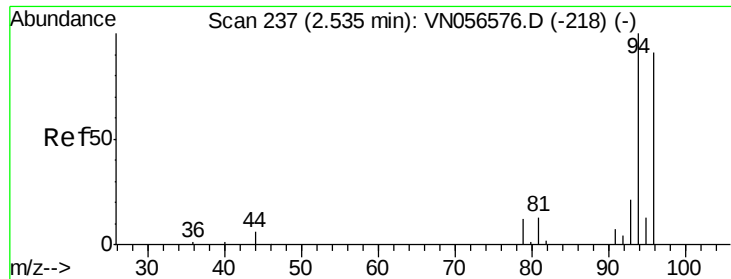
Tgt Ion: 62 Resp: 8762

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





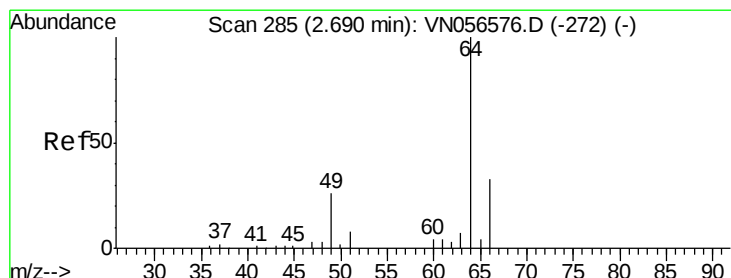
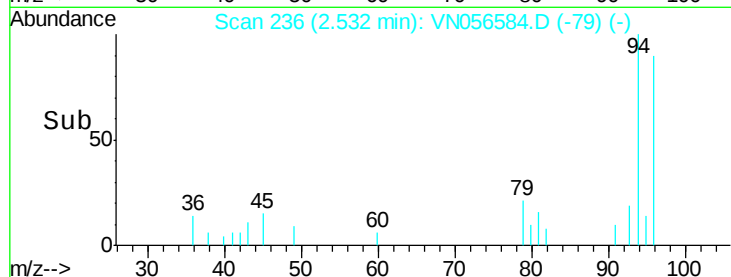
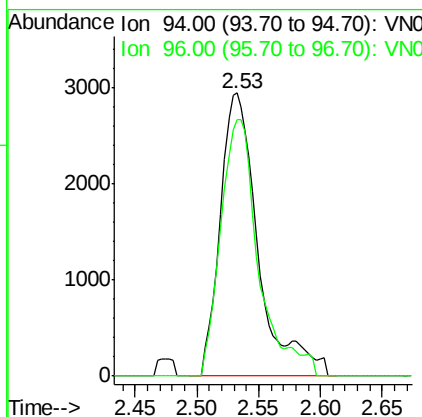
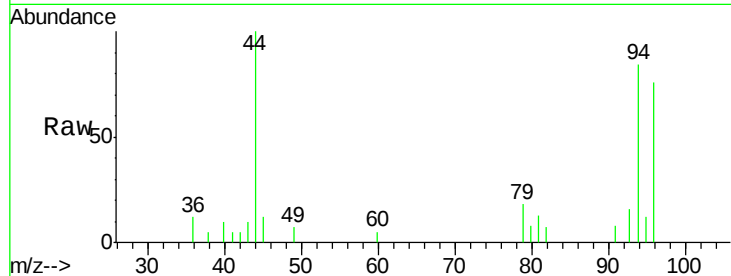
#5
Bromomethane
Concen: 3.493 ug/l m
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 94 Resp: 6277
Ion Ratio Lower Upper
94 100
96 90.4 74.1 111.1

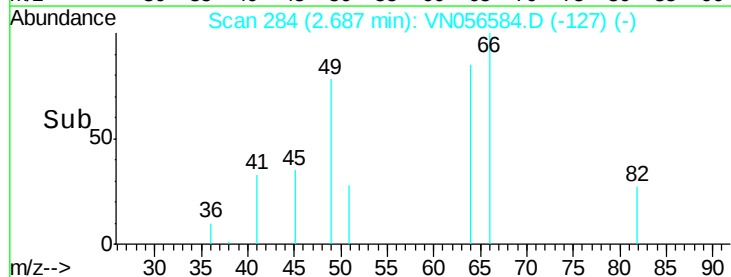
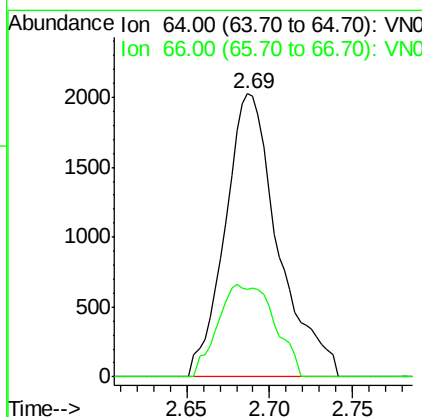
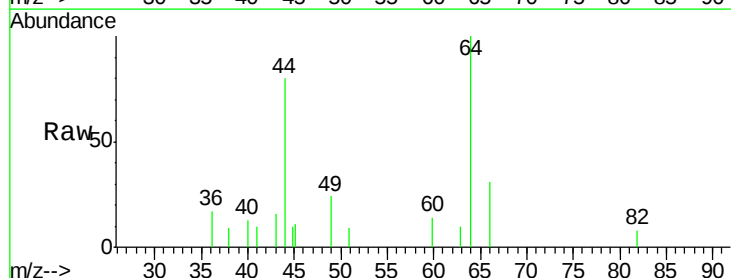
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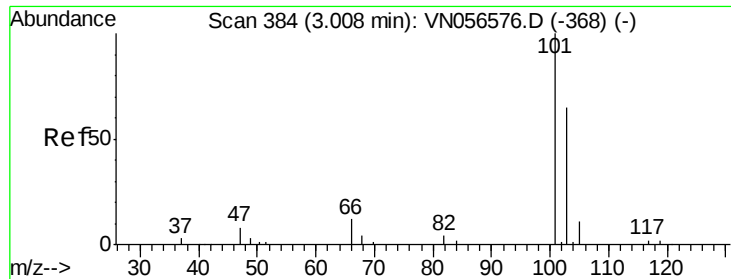
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#6
Chloroethane
Concen: 2.418 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 64 Resp: 4510
Ion Ratio Lower Upper
64 100
66 30.9 23.7 35.5





#7

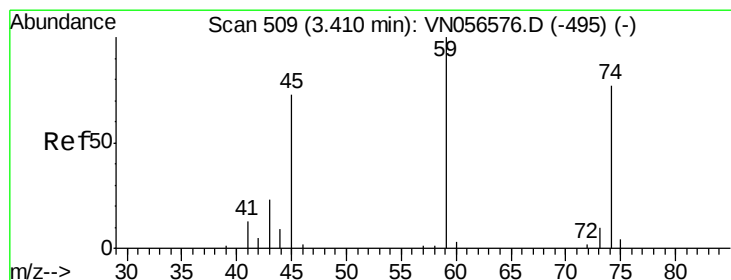
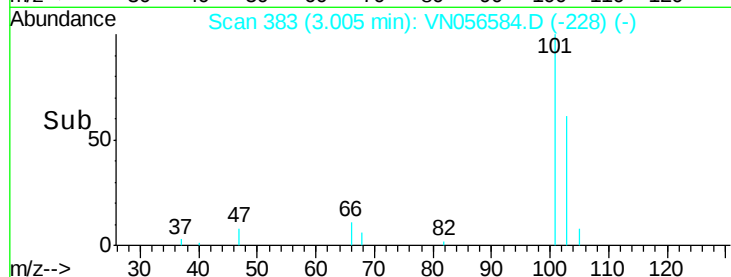
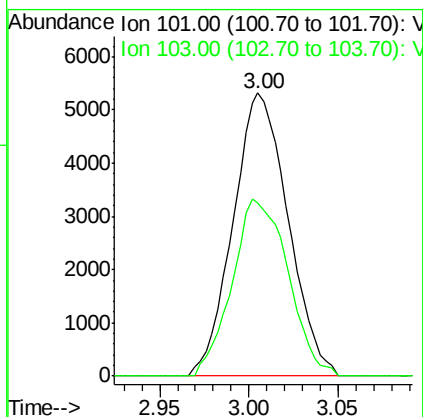
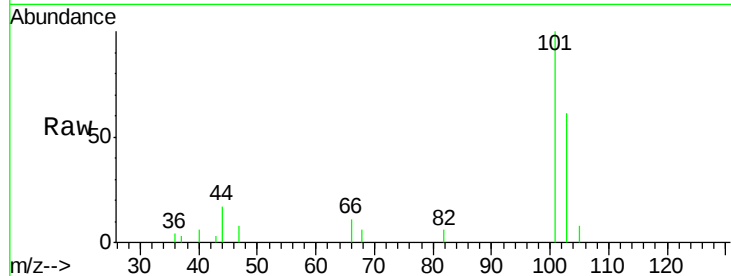
Trichlorofluoromethane
 Concen: 2.641 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
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 LOD-MDL-WATER-01-QT3-2019

Tot Ion:101 Resp: 11417
 Ion Ratio Lower Upper
 101 100
 103 61.2 53.4 80.0

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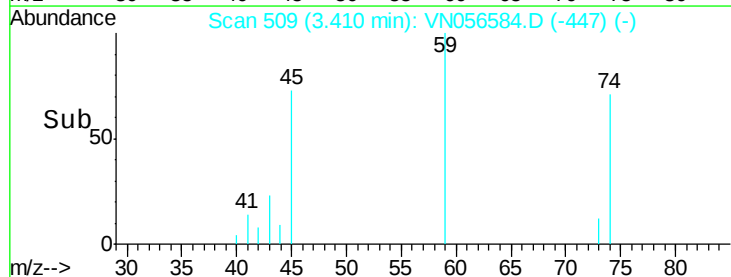
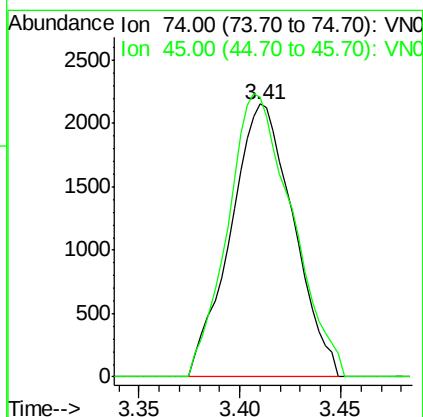
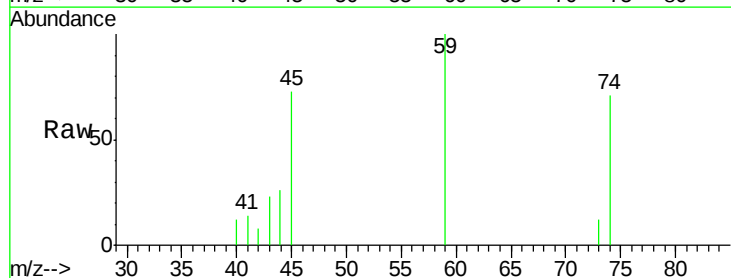
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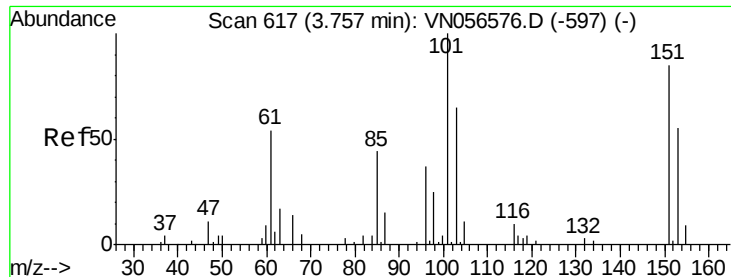


#8

Diethyl Ether
 Concen: 2.547 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 74 Resp: 4671
 Ion Ratio Lower Upper
 74 100
 45 106.9 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.575 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

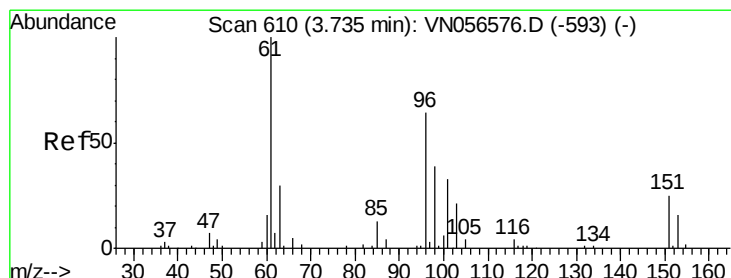
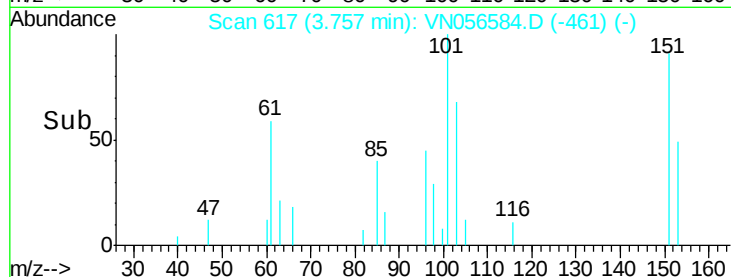
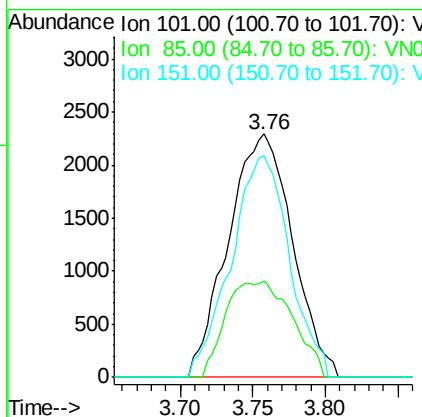
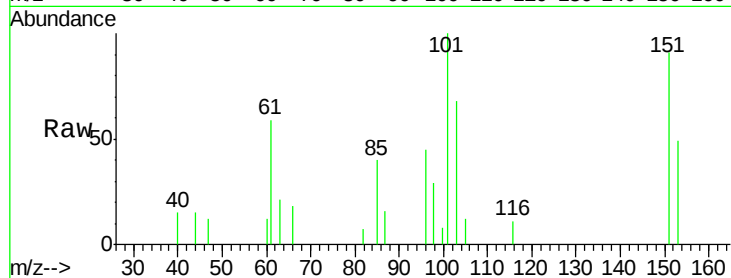
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	101	Resp:	7054
Ion Ratio	Lower	Upper	
101	100		
85	18.6	0.0	82.0
151	82.7	0.0	177.0

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#10

1,1-Dichloroethene

Concen: 2.539 ug/l

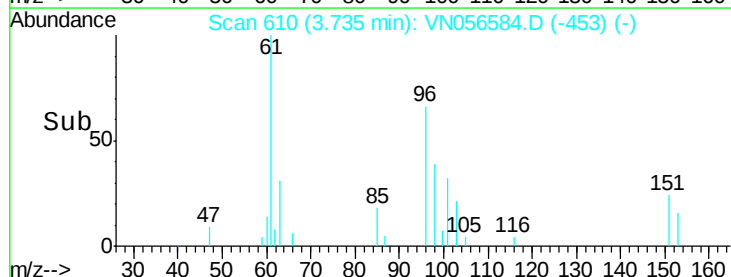
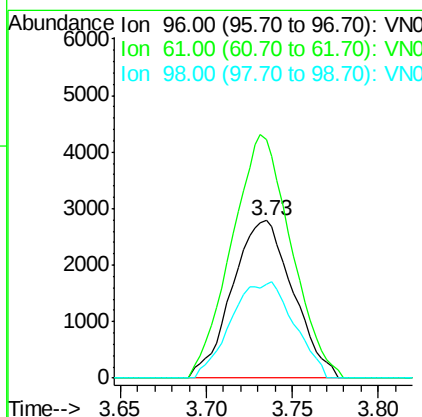
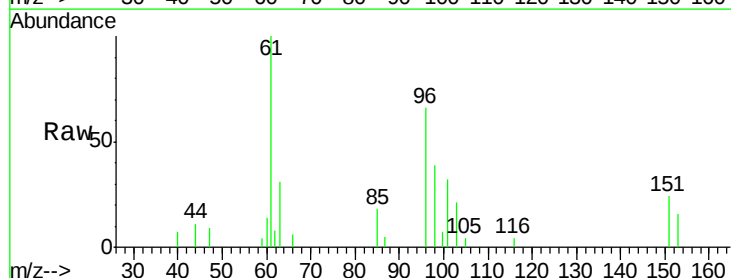
RT: 3.73 min Scan# 610

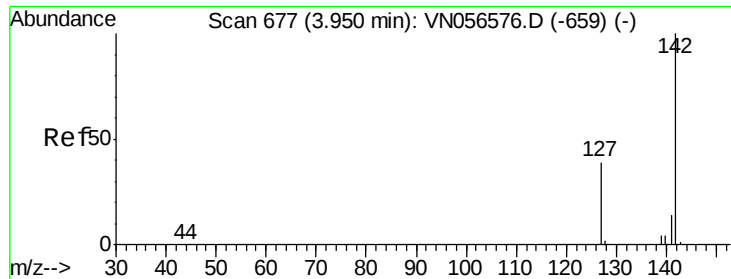
Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	96	Resp:	6825
Ion Ratio	Lower	Upper	
96	100		
61	151.6	119.7	179.5
98	59.6	52.3	78.5





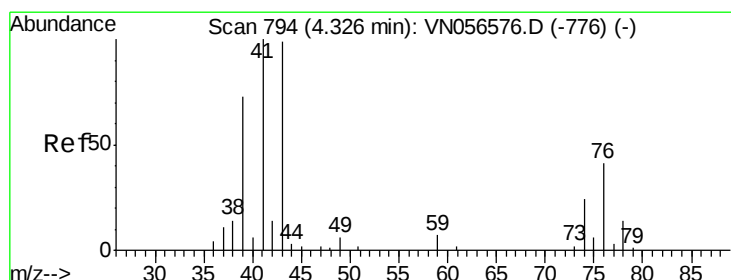
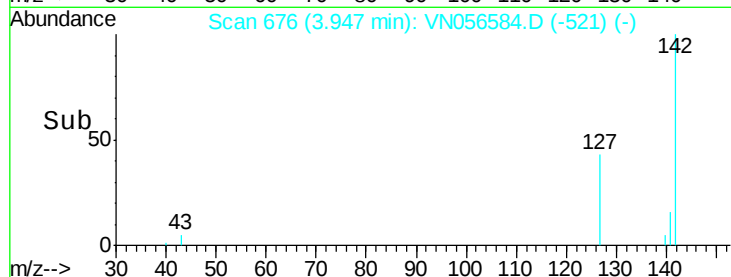
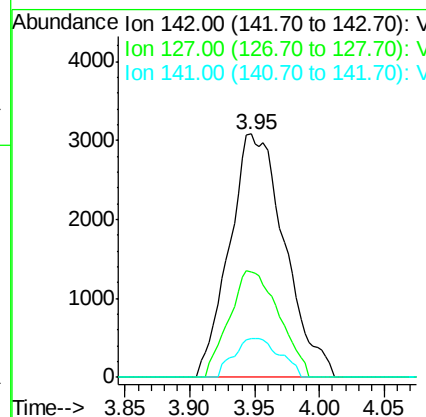
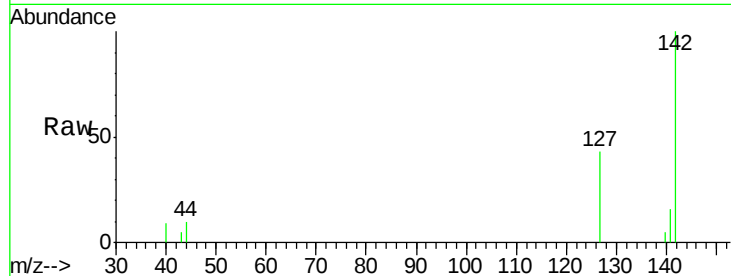
#11
Methyl Iodide
Concen: 2.380 ug/l m
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:142 Resp: 9146
Ion Ratio Lower Upper
142 100
127 43.3 19.0 57.0
141 16.0 6.7 20.0

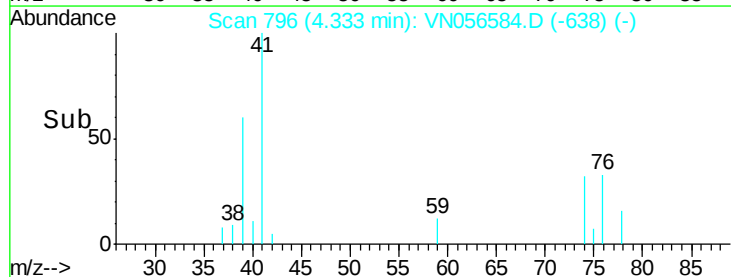
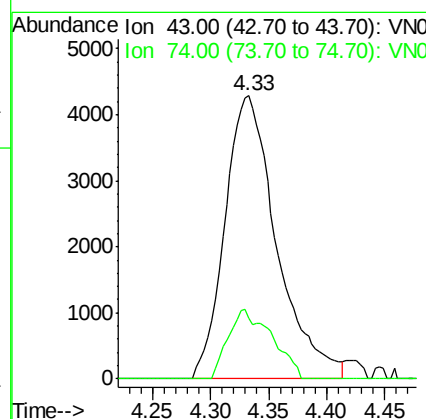
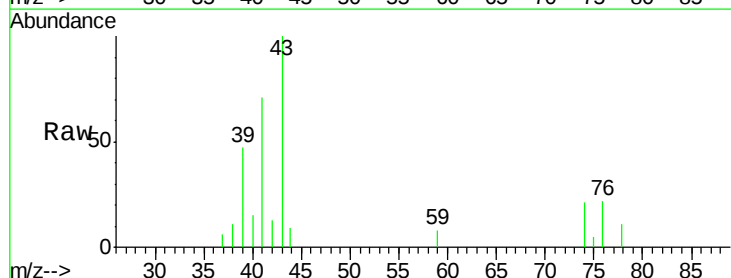
Manual Integrations
APPROVED

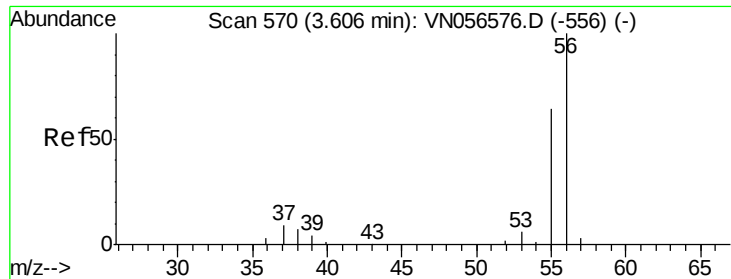
MMDadoda
7/8/2019 10:05:15 AM



#12
Methyl Acetate
Concen: 3.675 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 13319
Ion Ratio Lower Upper
43 100
74 22.1 19.9 29.9





#13

Acrolein

Concen: 15.160 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 5365

Ion Ratio Lower Upper

56 100

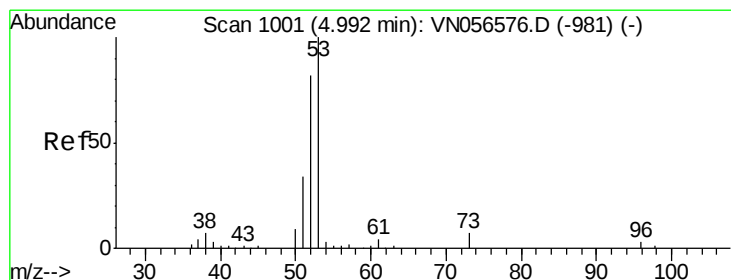
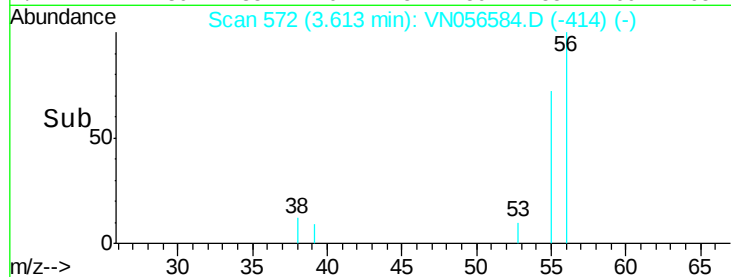
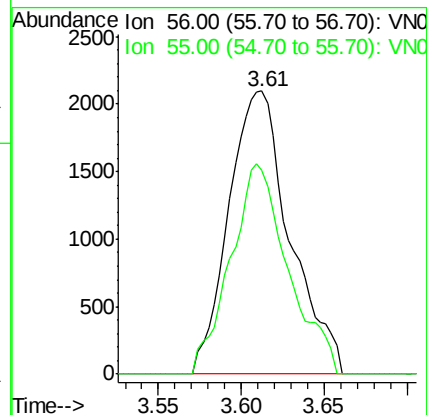
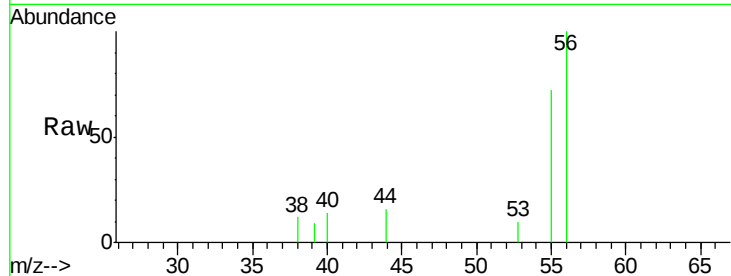
55 65.8 57.9 86.9

Manual Integrations

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7/8/2019 10:05:15 AM



#14

Acrylonitrile

Concen: 12.563 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

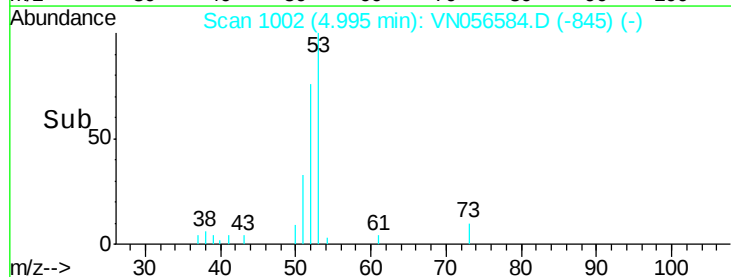
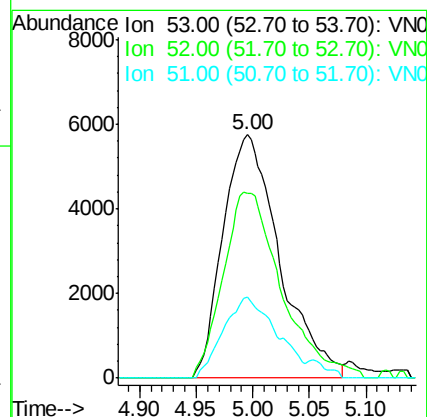
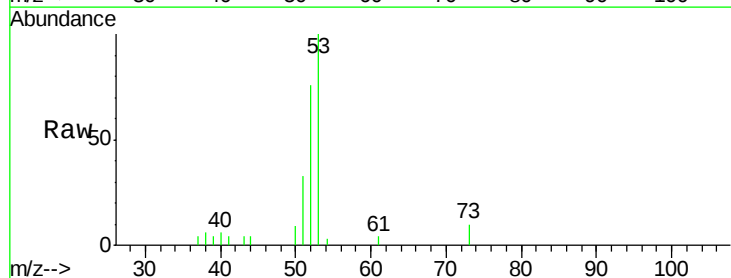
Tgt Ion: 53 Resp: 19994

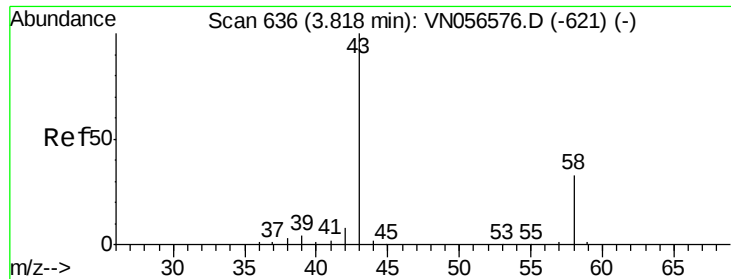
Ion Ratio Lower Upper

53 100

52 34.1 40.8 122.2#

51 31.2 17.3 52.0





#15

Acetone

Concen: 12.291 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 58 Resp: 5458

Ion Ratio Lower Upper

58 100

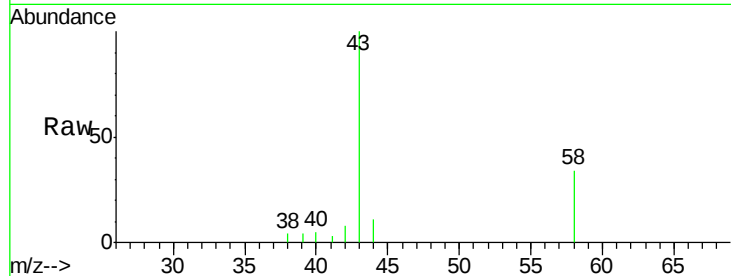
43 278.5 232.5 348.7

Manual Integrations

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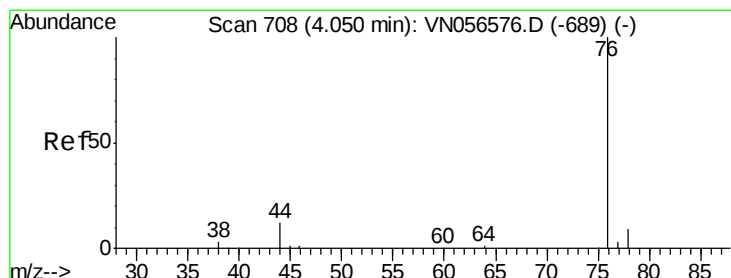
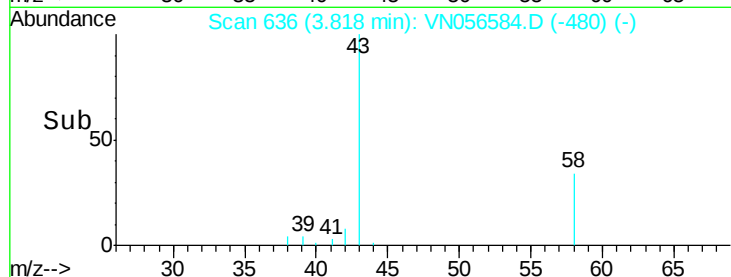
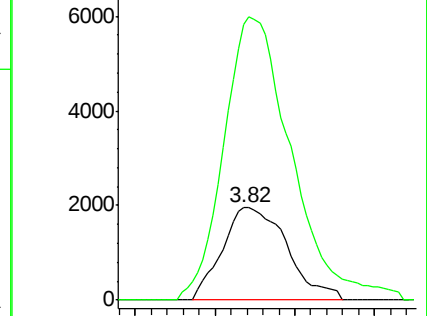
MMDadoda

7/8/2019 10:05:15 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 2.356 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056584.D

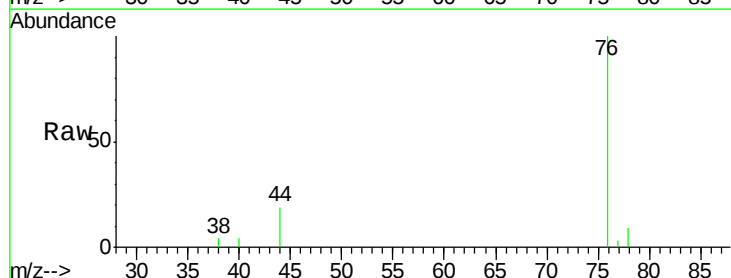
Acq: 3 Jul 2019 13:25

Tgt Ion: 76 Resp: 15223

Ion Ratio Lower Upper

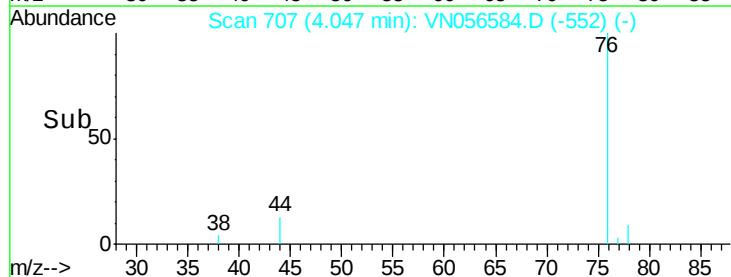
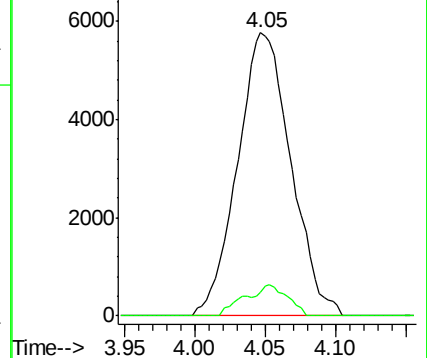
76 100

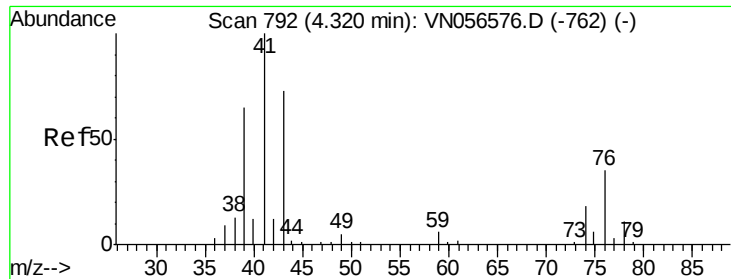
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





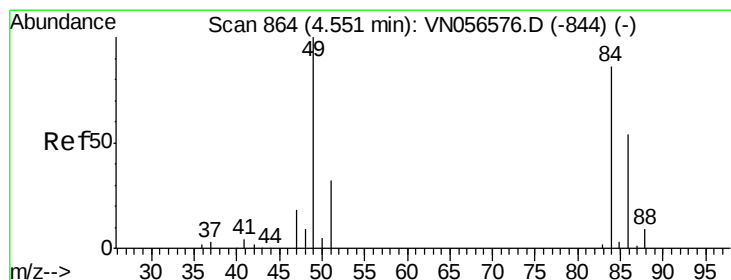
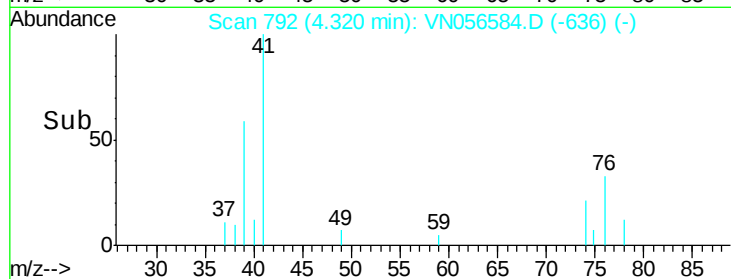
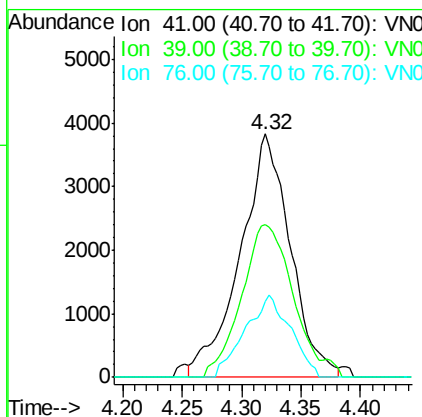
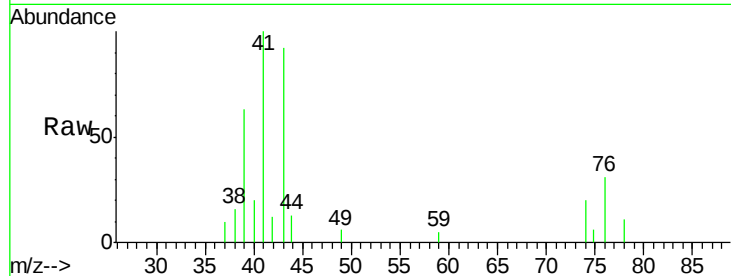
#17
Allvl chloride
Concen: 2.377 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:	41	Resp:	11182
Ion	Ratio	Lower	Upper
41	100		
39	65.4	33.0	99.0
76	32.7	18.9	56.9

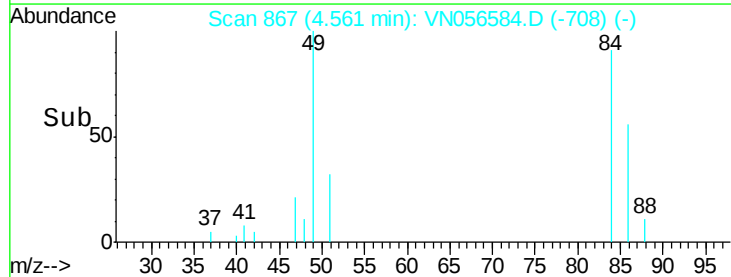
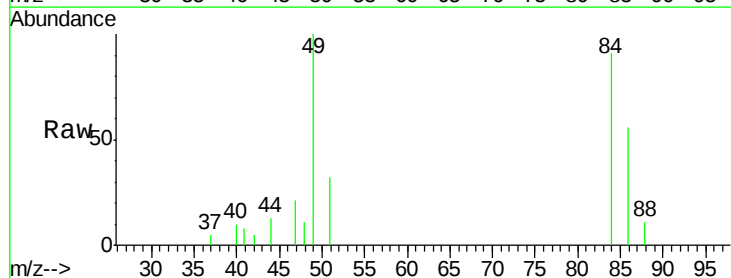
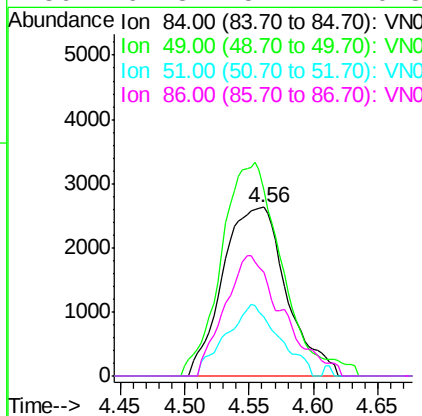
Manual Integrations
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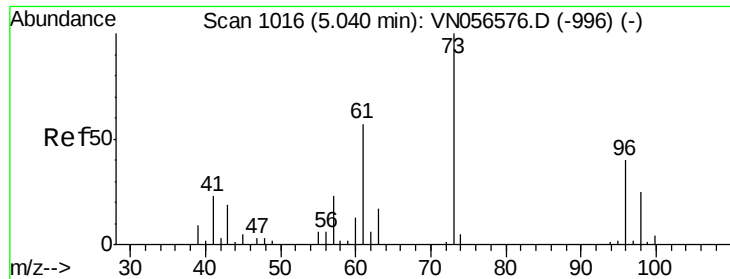
MMDadoda
7/8/2019 10:05:15 AM



#18
Methylene Chloride
Concen: 2.840 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:	84	Resp:	9026
Ion	Ratio	Lower	Upper
84	100		
49	100.6	87.6	131.4
51	34.7	27.0	40.4
86	61.3	51.2	76.8





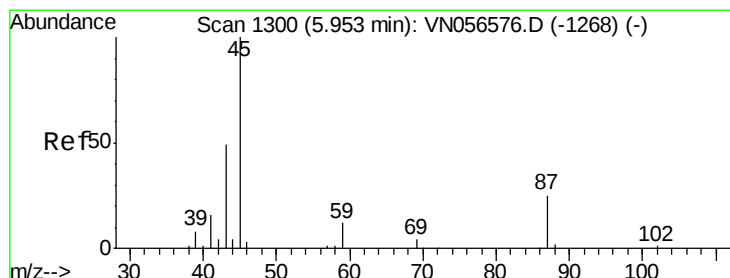
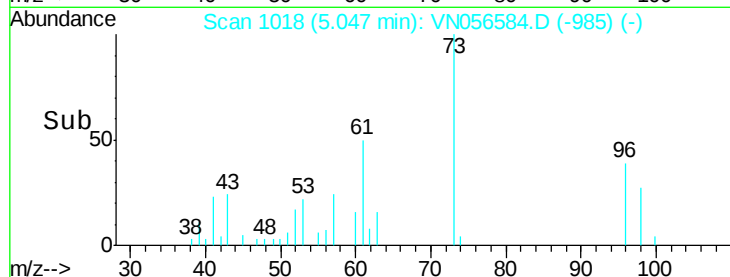
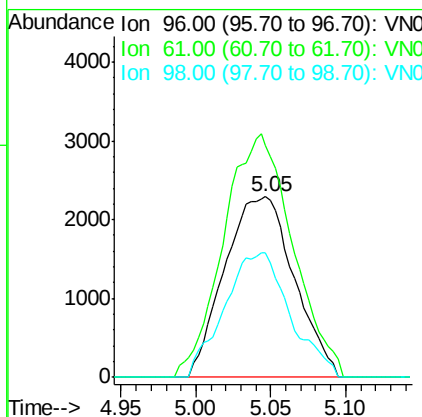
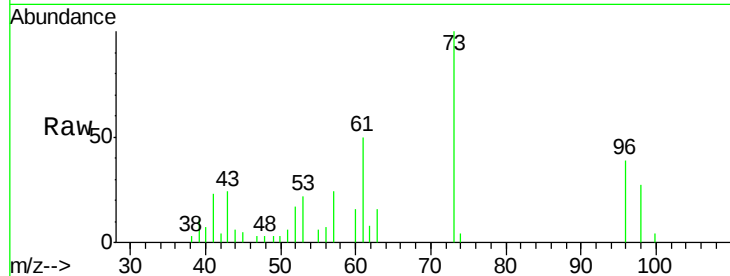
#19
trans-1,2-Dichloroethene
Concen: 2.542 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.5	102.5	153.7
98	69.0	46.9	70.3

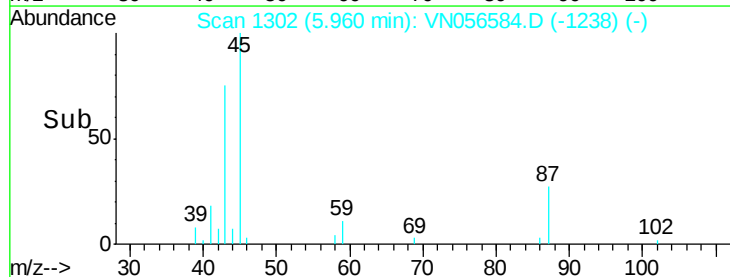
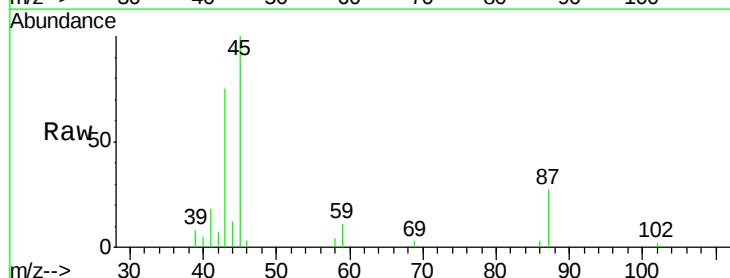
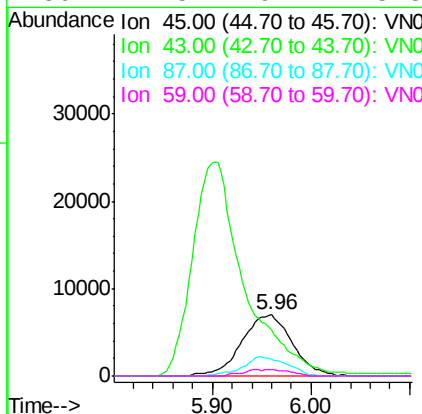
Manual Integrations
APPROVED

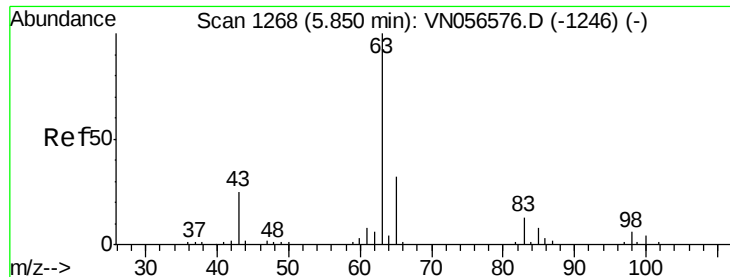
MMDadoda
7/8/2019 10:05:15 AM



#20
Diisopropyl ether
Concen: 2.542 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.6	48.0	72.0
87	27.1	23.4	35.2
59	11.5	9.2	13.8





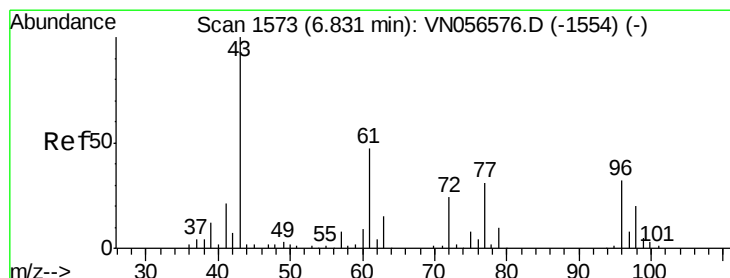
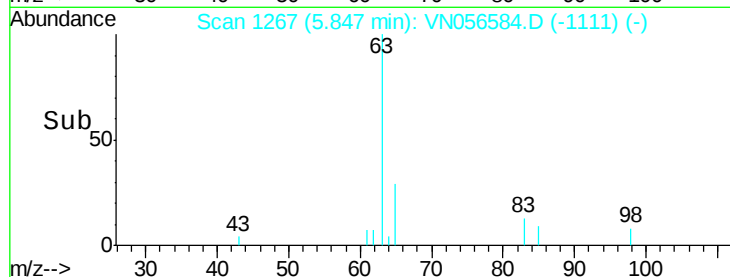
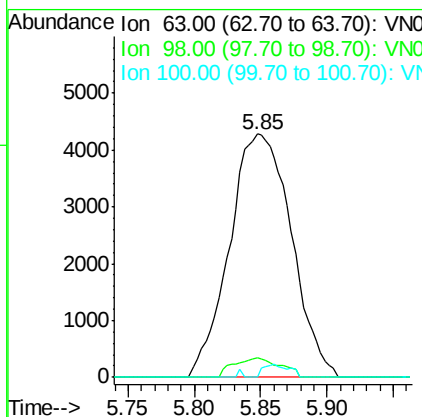
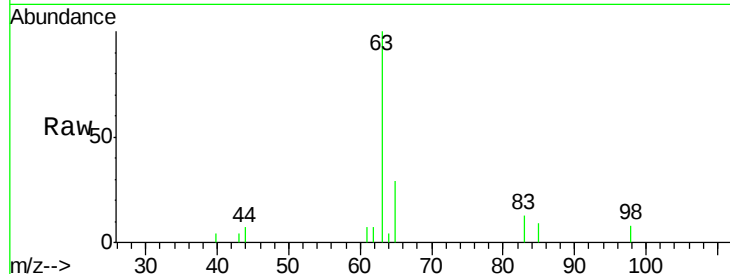
#21
 1,1-Dichloroethane
 Concen: 2.530 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.5	10.5
100	0.0	2.3	6.9#

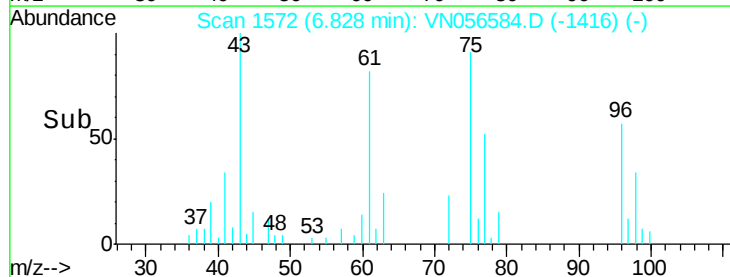
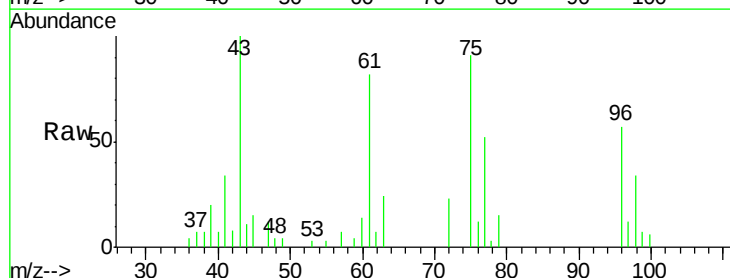
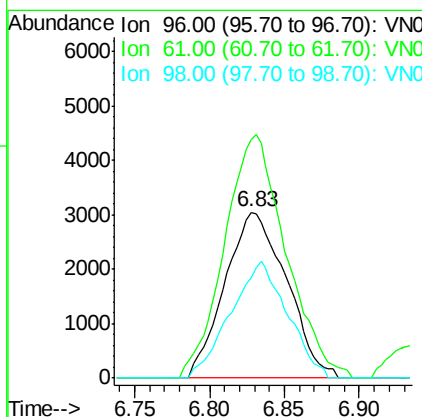
Manual Integrations
 APPROVED

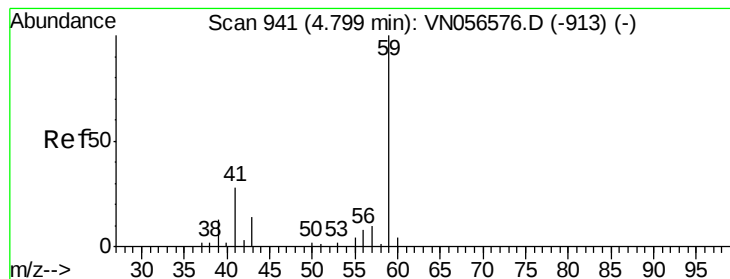
MMDadoda
 7/8/2019 10:05:15 AM



#22
 cis-1,2-Dichloroethene
 Concen: 2.550 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	105.7	158.5
98	64.6	52.0	78.0





#23

tert-Butyl Alcohol

Concen: 20.508 ug/l m

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 59 Resp: 12209

Ion Ratio Lower Upper

59 100

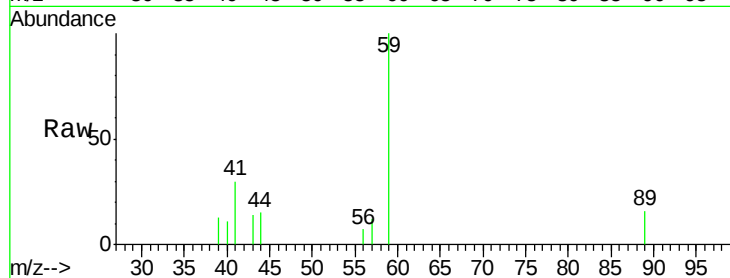
52 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2500

2000

1500

1000

500

0

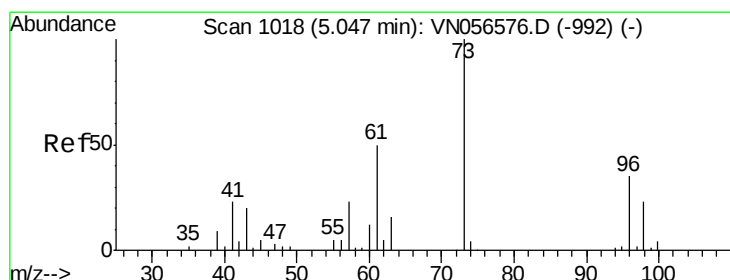
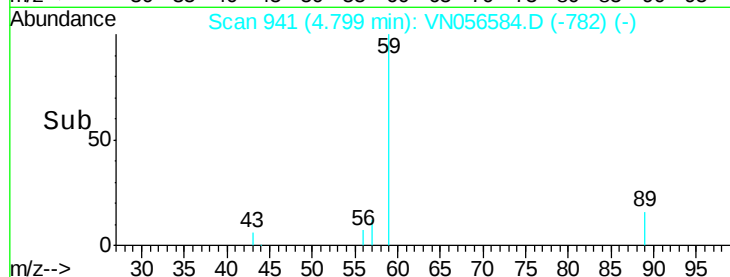
4.60

4.70

4.80

4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 2.521 ug/l m

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN056584.D

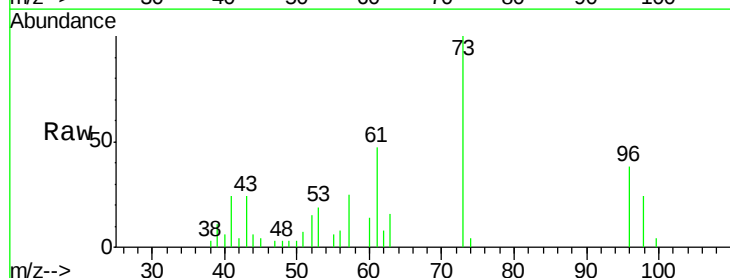
Acq: 3 Jul 2019 13:25

Tgt Ion: 73 Resp: 22412

Ion Ratio Lower Upper

73 100

43 22.3 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

6000

4000

2000

0

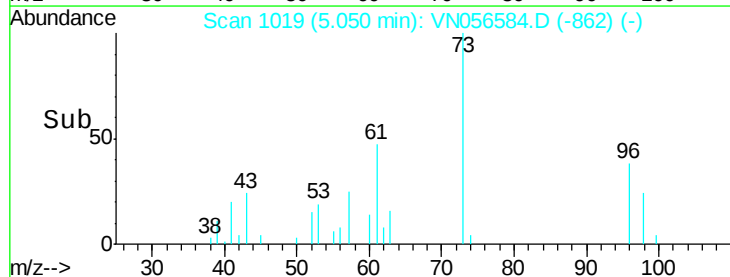
4.90

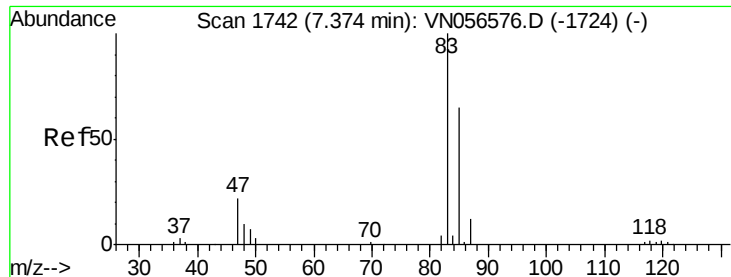
5.00

5.10

5.20

Time-->





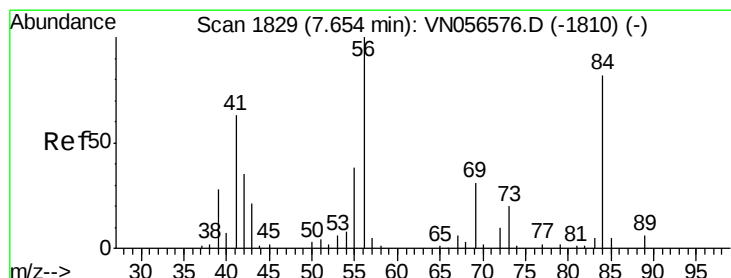
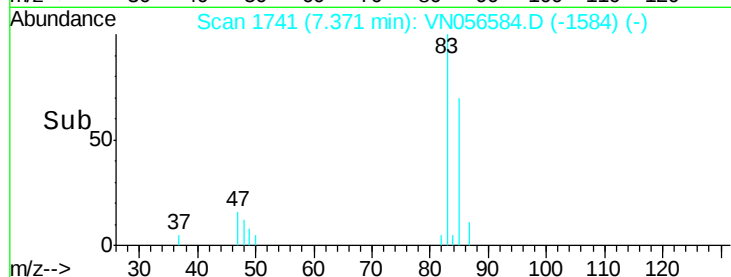
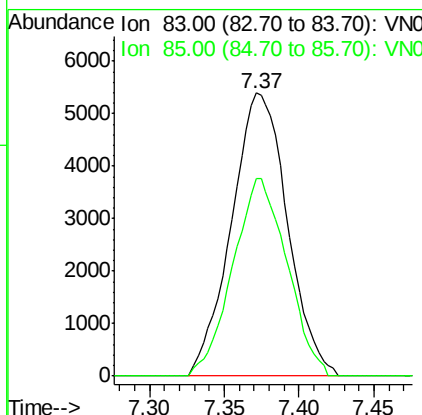
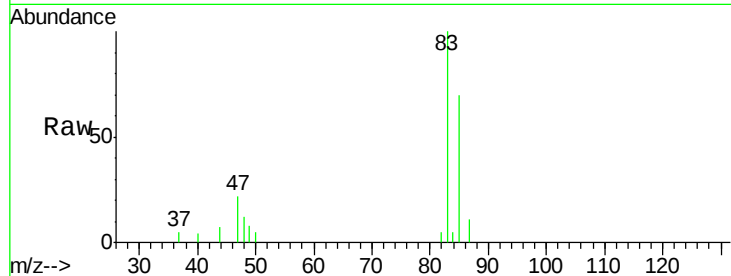
#25
Chloroform
Concen: 2.611 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 14026
Ion Ratio Lower Upper
83 100
85 69.6 52.0 78.0

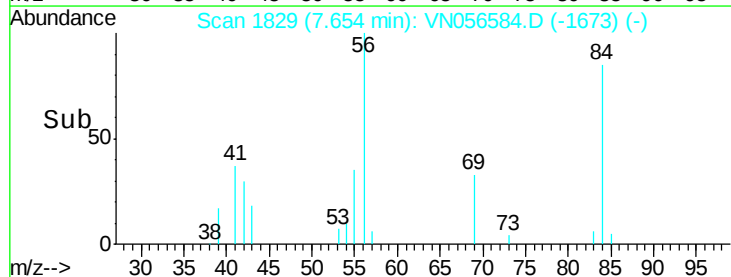
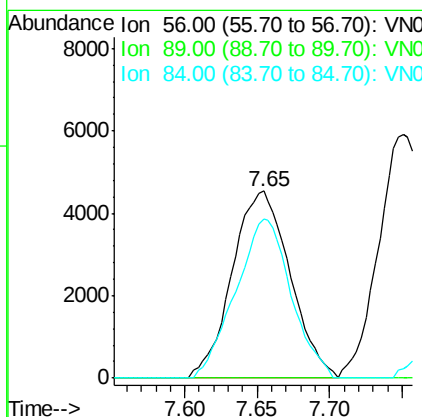
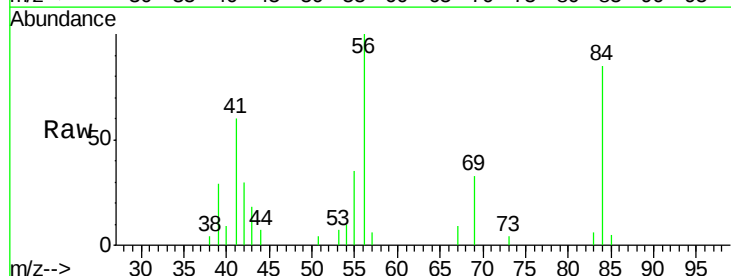
Manual Integrations
APPROVED

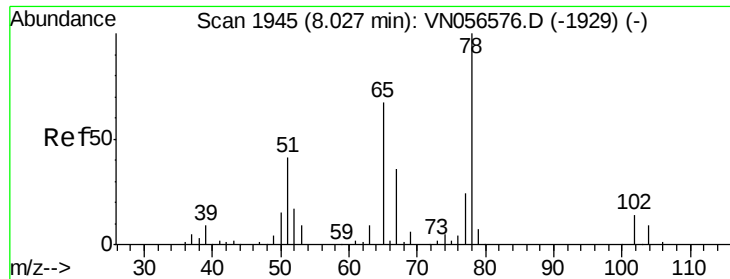
MMDadoda
7/8/2019 10:05:15 AM



#26
Cyclohexane
Concen: 2.485 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 56 Resp: 12547
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 81.6 70.1 105.1





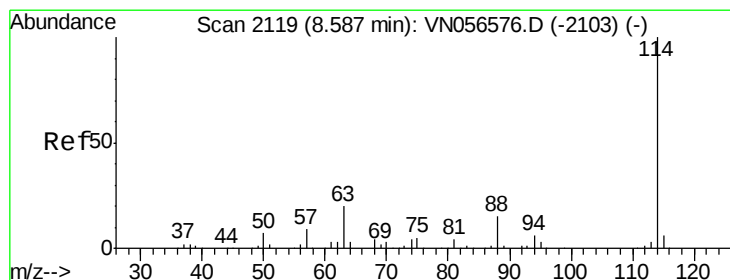
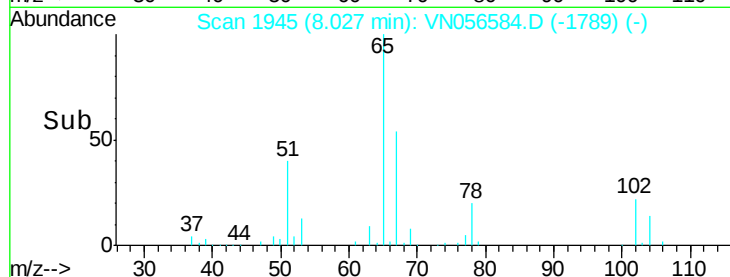
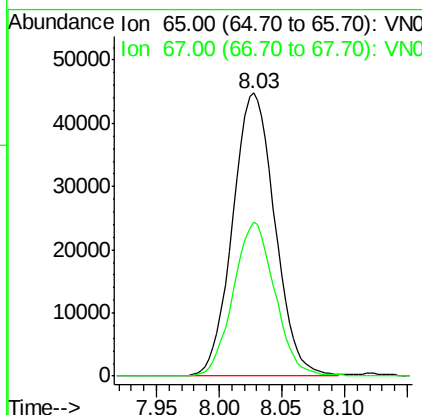
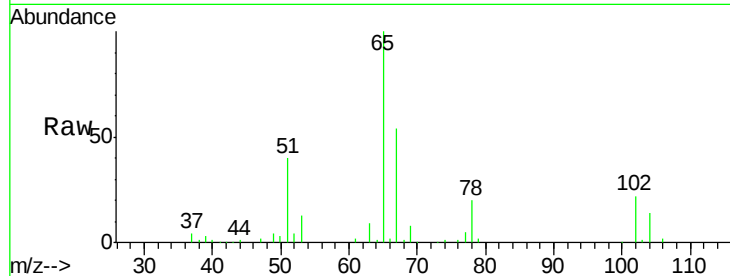
#27
 1,2-Dichloroethane-d4
 Concen: 30.995 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 65 Resp: 105060
 Ion Ratio Lower Upper
 65 100
 67 53.1 43.4 65.2

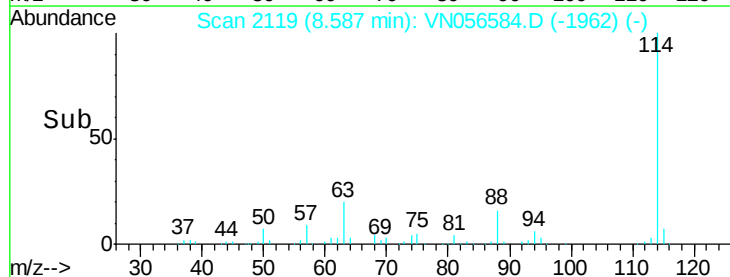
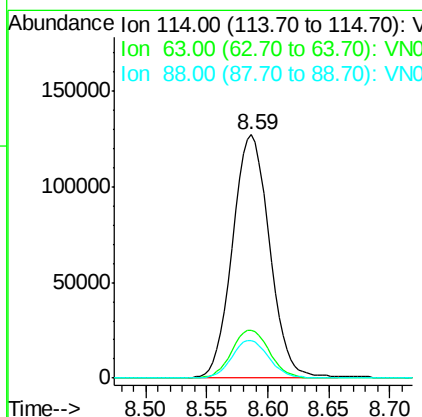
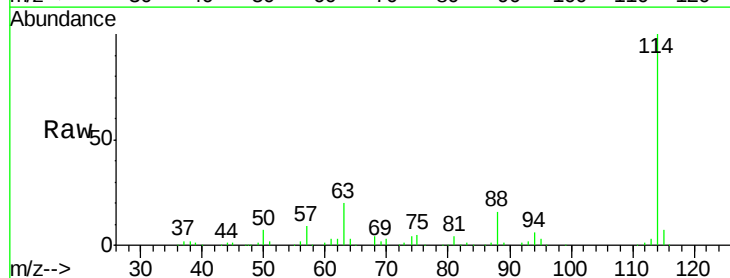
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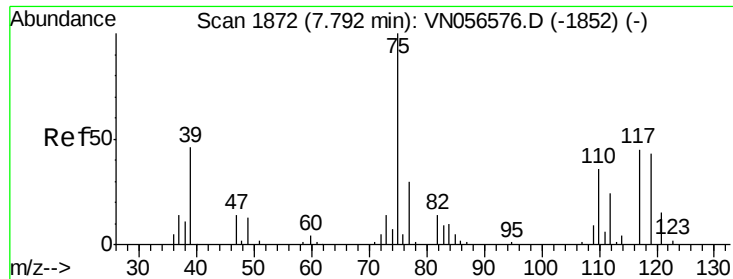
MMDadoda
 7/8/2019 10:05:15 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 114 Resp: 268764
 Ion Ratio Lower Upper
 114 100
 63 20.1 14.7 22.1
 88 15.5 11.9 17.9





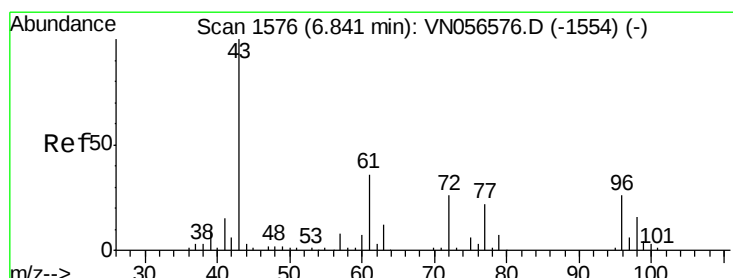
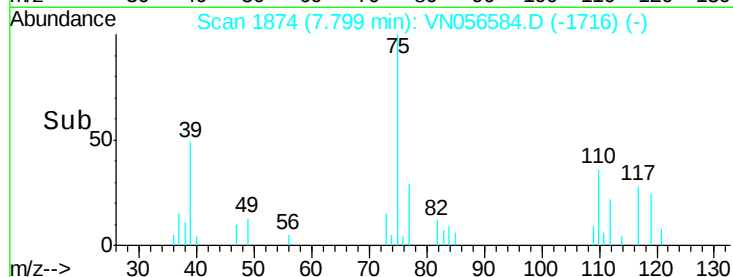
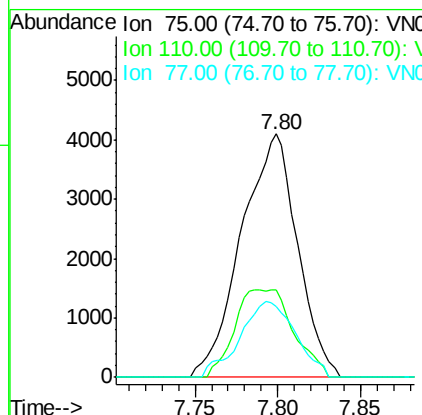
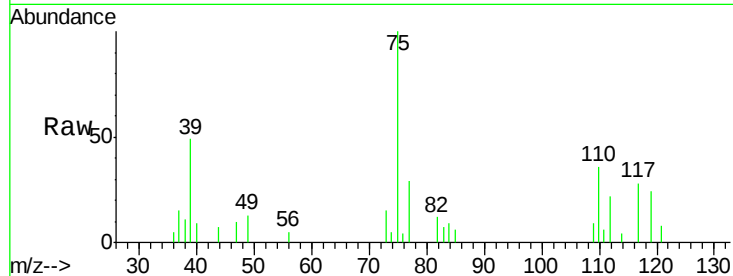
#29
 1,1-Dichloropropene
 Concen: 2.427 ug/l
 RT: 7.80 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	20.7	0.0	77.0
77	30.9	0.0	62.4

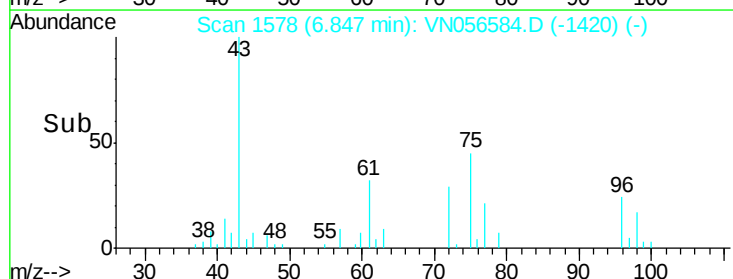
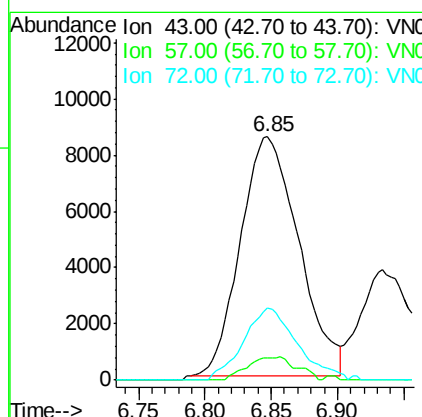
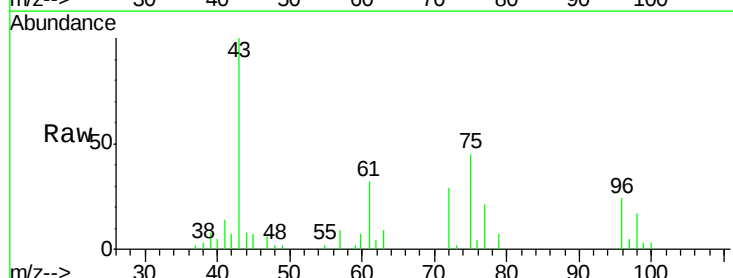
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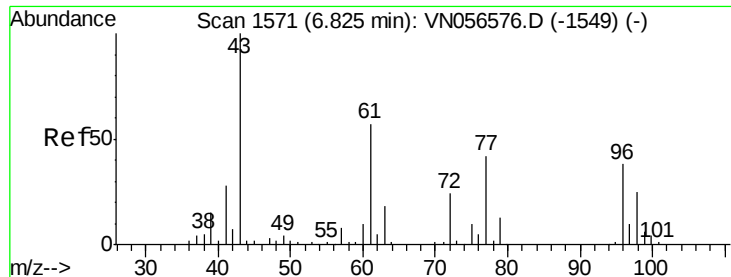
MMDadoda
 7/8/2019 10:05:15 AM



#30
 2-Butanone
 Concen: 11.813 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.4	6.7	10.1#
72	27.7	22.4	33.6





#31

2,2-Dichloropropane

Concen: 2.436 ug/l m

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 77 Resp: 9297

Ion Ratio Lower Upper

77 100

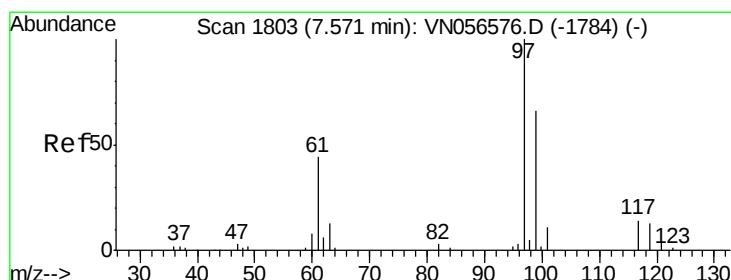
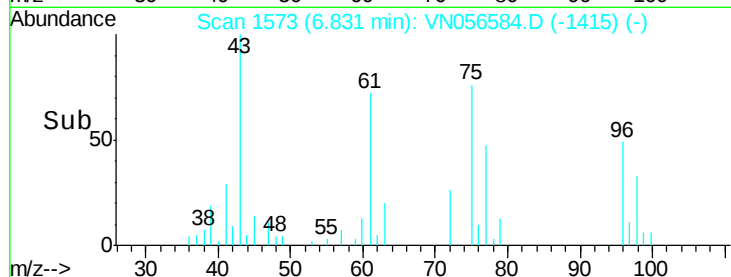
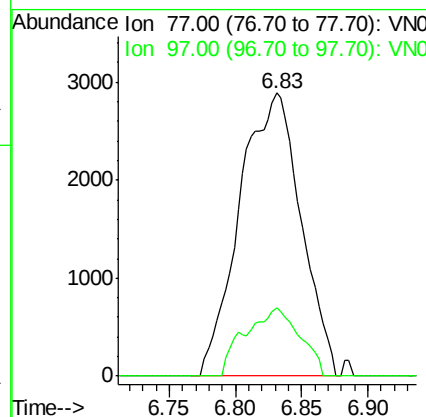
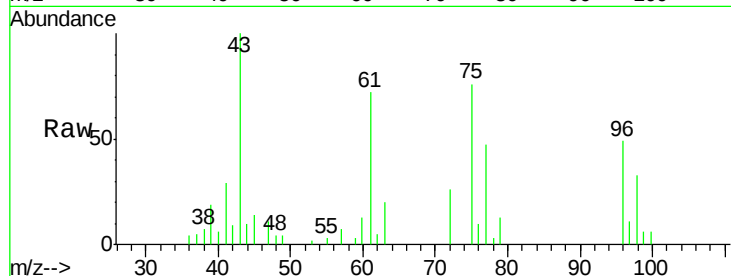
97 4.4 20.8 31.2#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 2.417 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

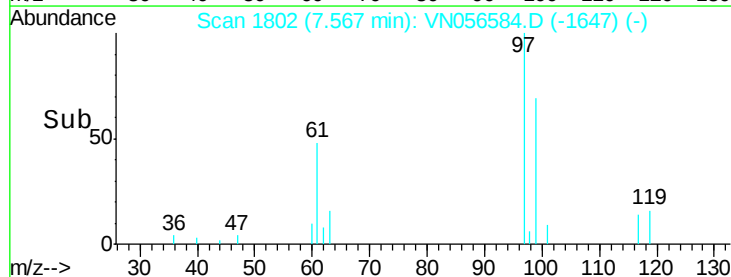
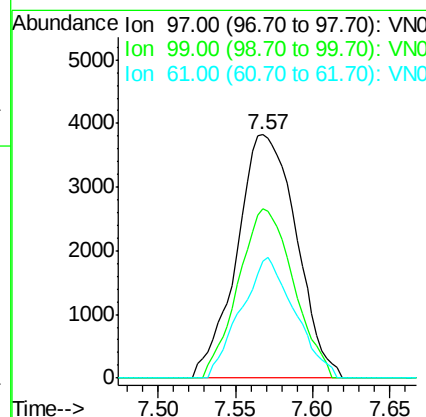
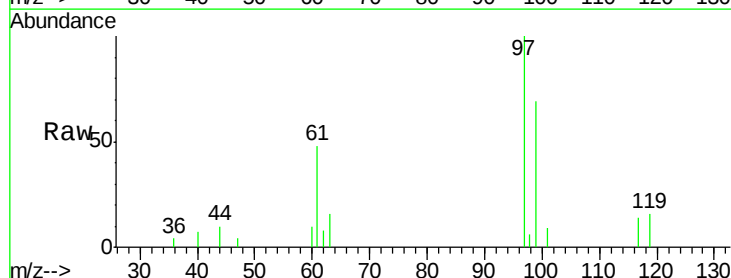
Tgt Ion: 97 Resp: 10227

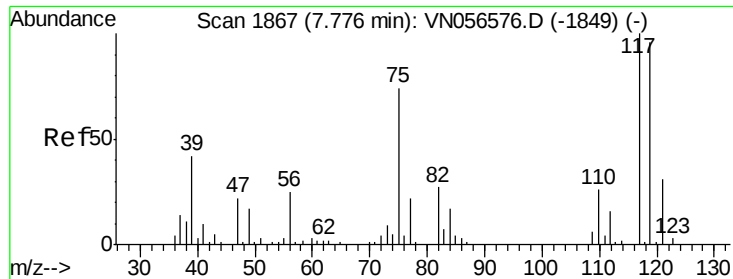
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 45.0 32.9 49.3





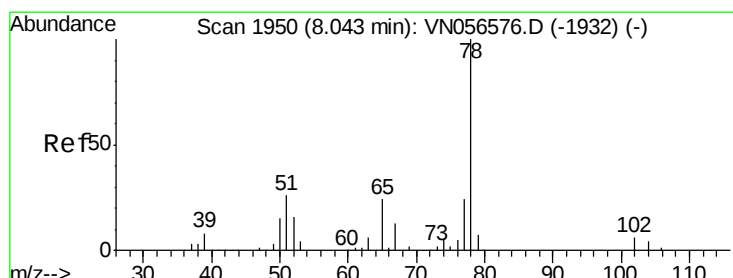
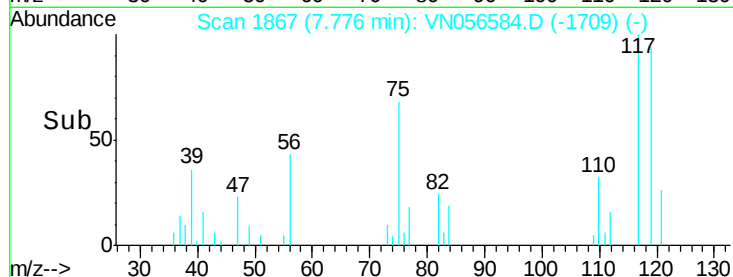
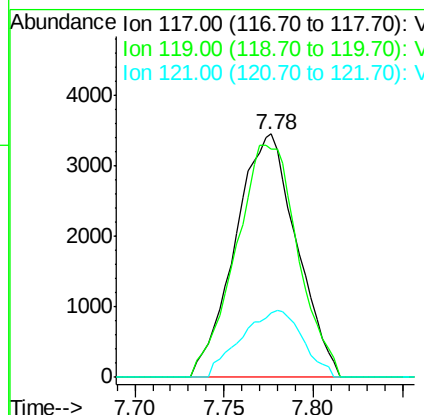
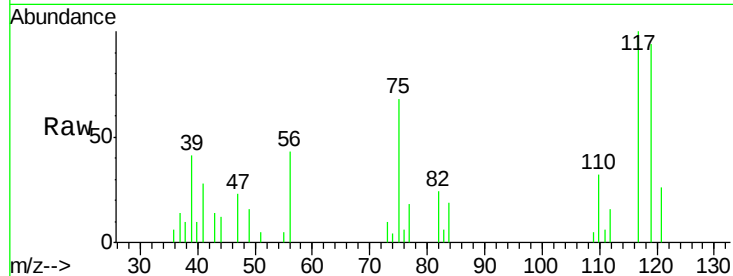
#33
Carbon Tetrachloride
Concen: 2.316 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:117 Resp: 8306
Ion Ratio Lower Upper
117 100
119 93.7 77.3 115.9
121 26.4 25.0 37.4

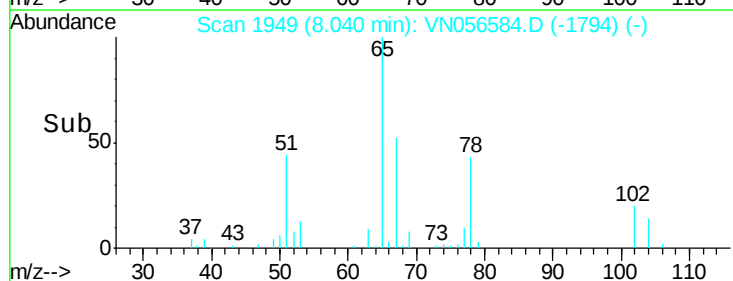
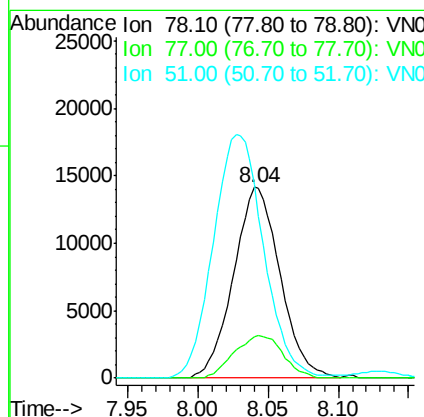
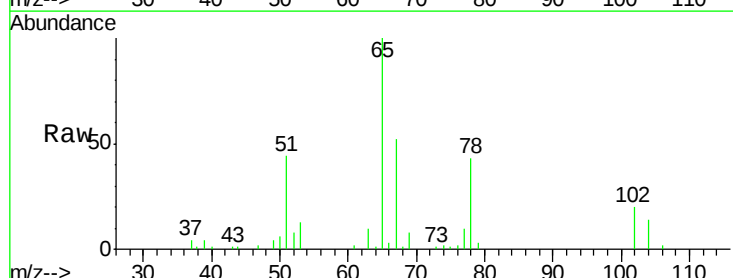
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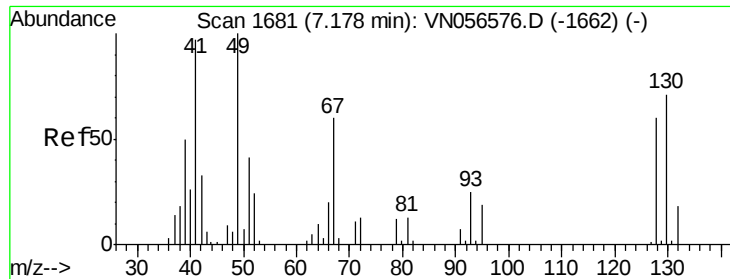
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#34
Benzene
Concen: 2.634 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 78 Resp: 32684
Ion Ratio Lower Upper
78 100
77 21.9 19.3 28.9
51 99.6 19.8 29.8#





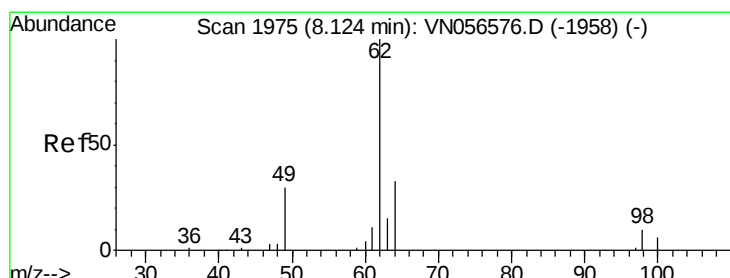
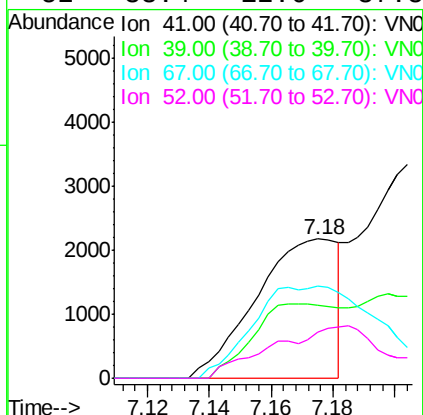
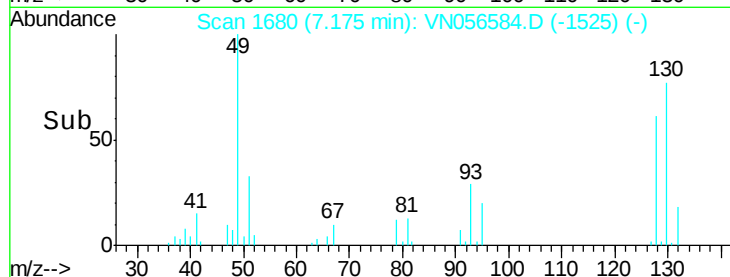
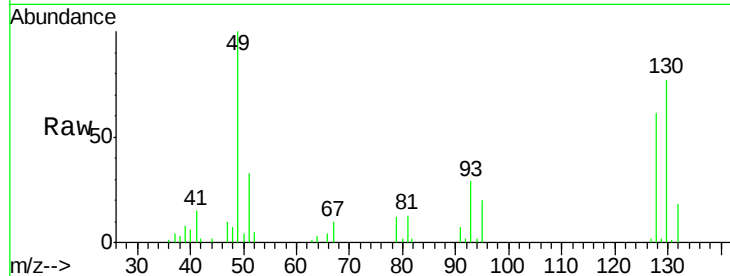
#35
Methacrylonitrile
Concen: 2.049 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	24.8	74.3	
67	66.5	34.3	102.9	
52	33.4	12.6	37.8	

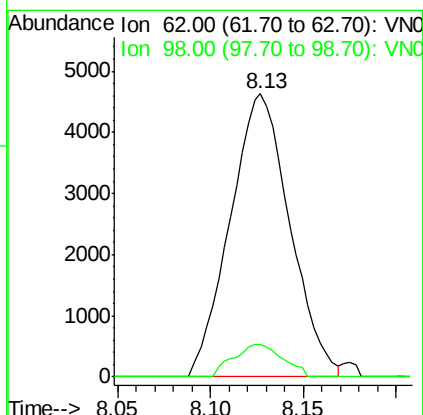
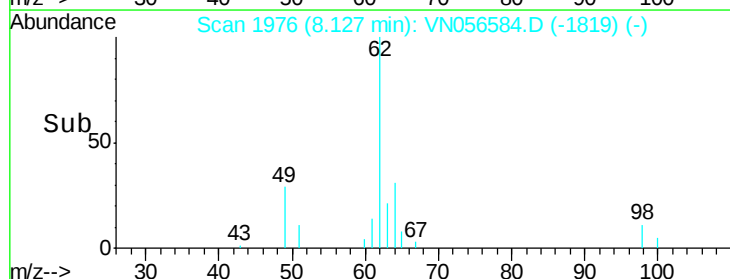
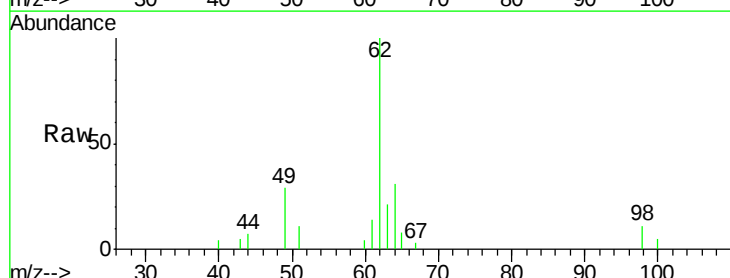
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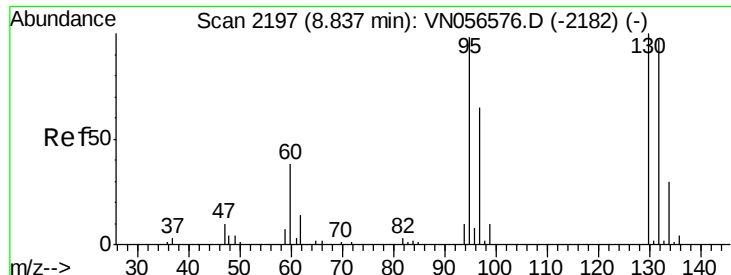
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#36
1,2-Dichloroethane
Concen: 2.567 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	8.6	13.0	





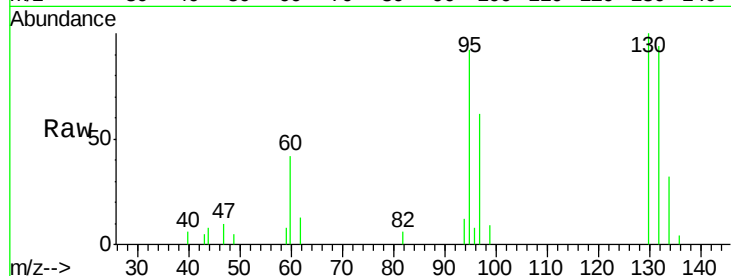
#37
 Trichloroethene
 Concen: 2.635 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

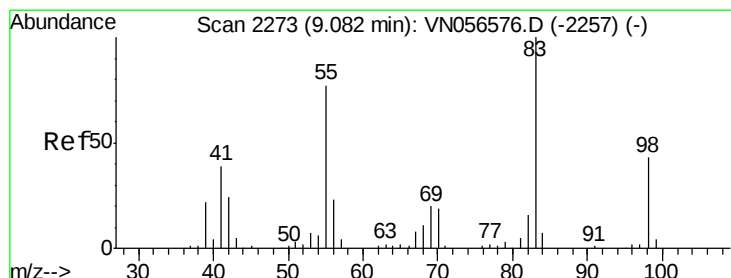
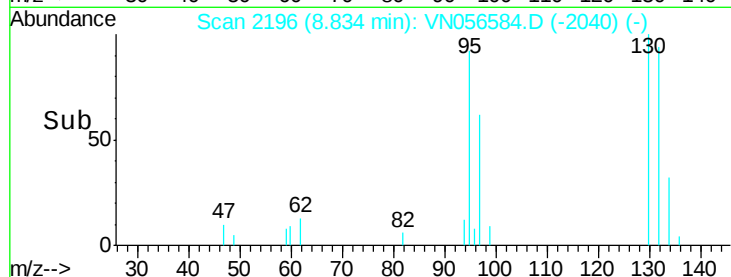
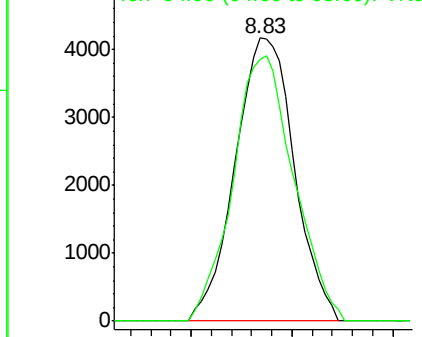
Tot Ion:130 Resp: 8528
 Ion Ratio Lower Upper
 130 100
 95 92.4 73.0 109.6

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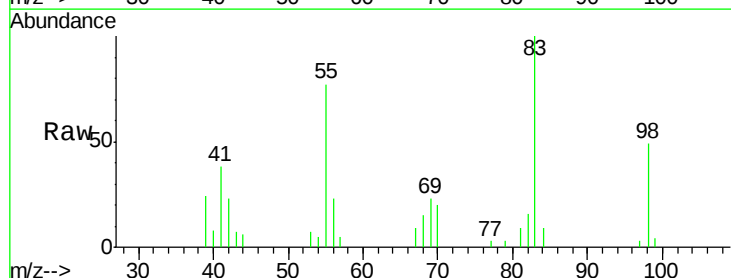


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

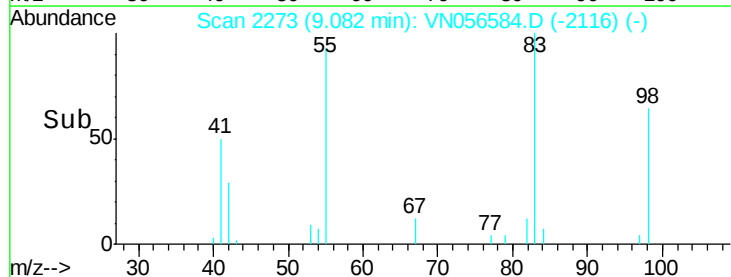
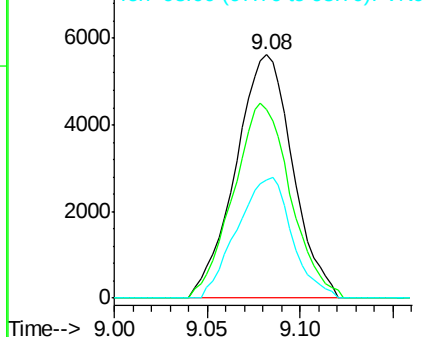


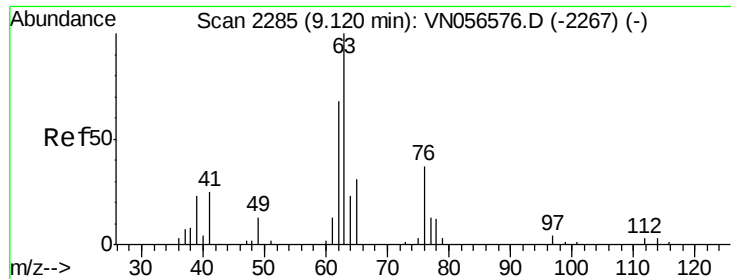
#38
 Methylcyclohexane
 Concen: 2.424 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 83 Resp: 12058
 Ion Ratio Lower Upper
 83 100
 55 79.9 37.5 112.7
 98 47.7 23.1 69.3



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





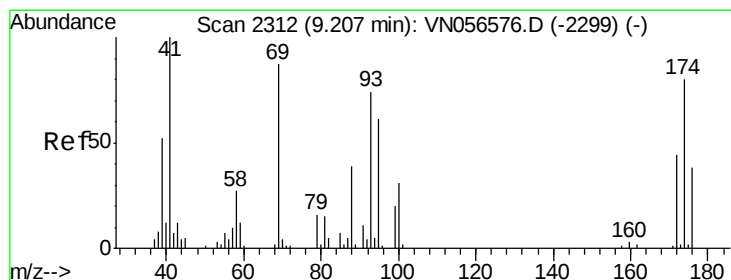
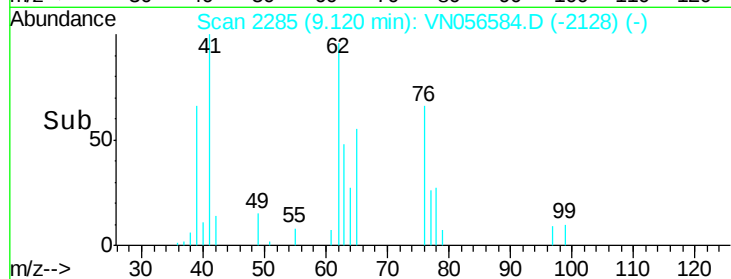
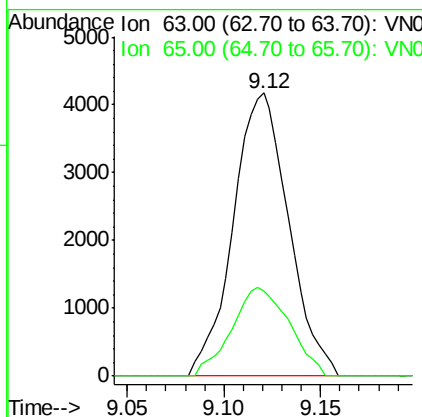
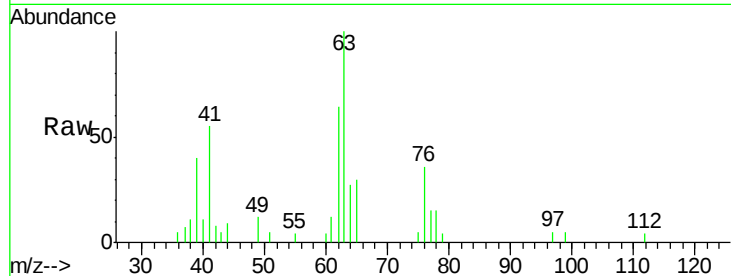
#39
 1,2-Dichloropropane
 Concen: 2.490 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 8319
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.1 34.7

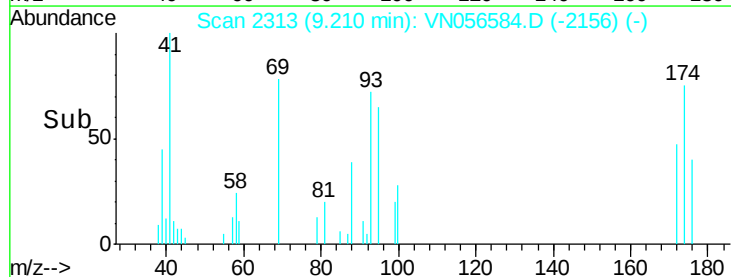
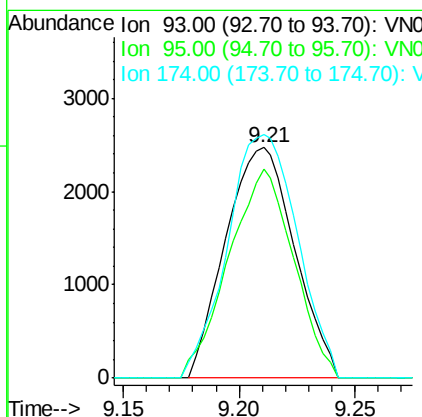
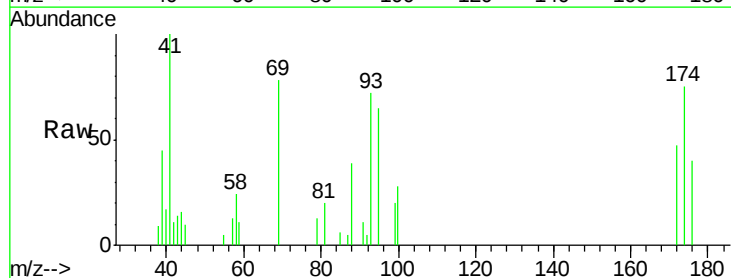
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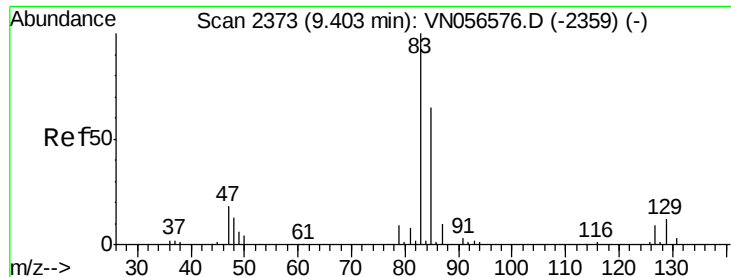
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#40
 Dibromomethane
 Concen: 2.476 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion: 93 Resp: 5114
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 169.0
 174 107.1 0.0 246.4





#41

Bromodichloromethane

Concen: 2.453 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

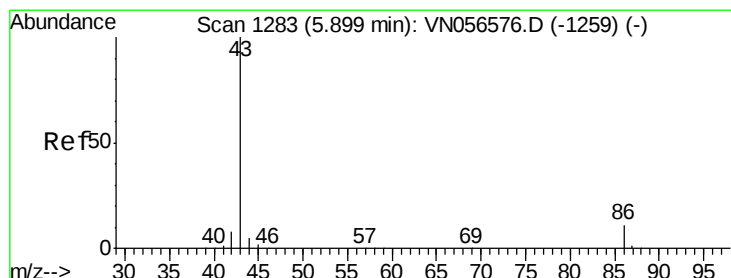
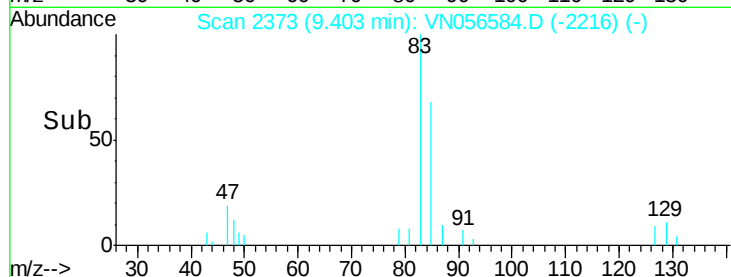
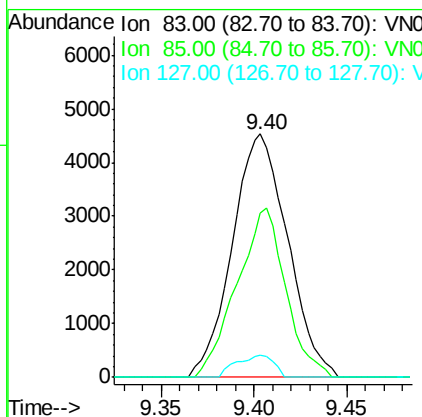
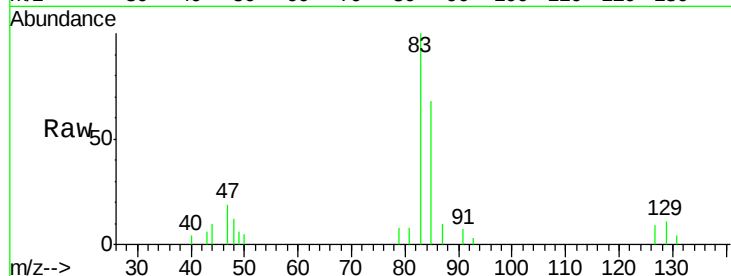
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	9387
Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.6
127	9.2	7.3	10.9

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#42

Vinyl Acetate

Concen: 11.305 ug/l

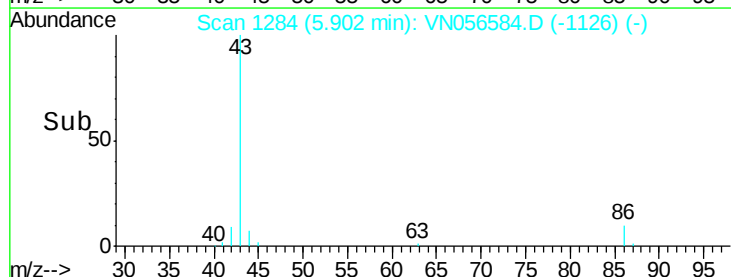
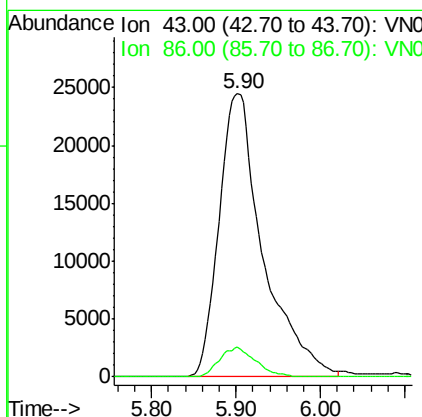
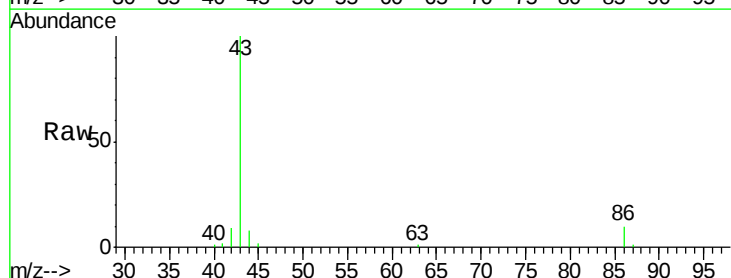
RT: 5.90 min Scan# 1284

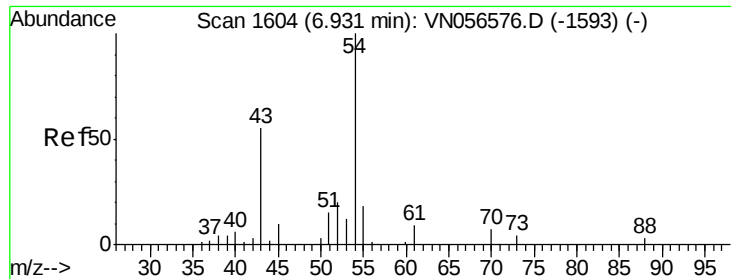
Delta R.T. 0.01 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	43	Resp:	88563
Ion	Ratio	Lower	Upper
43	100		
86	8.6	7.9	11.9





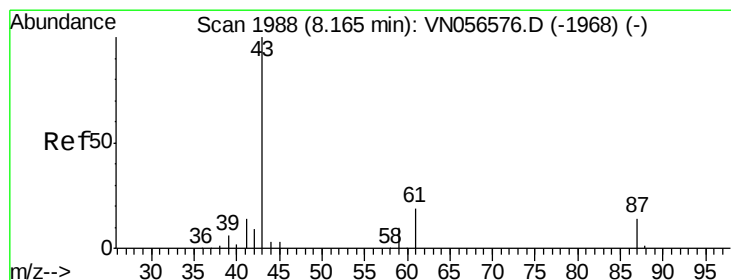
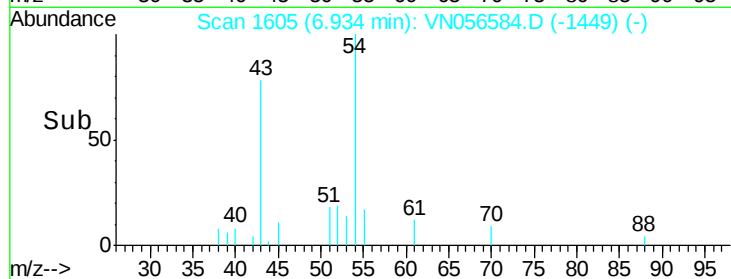
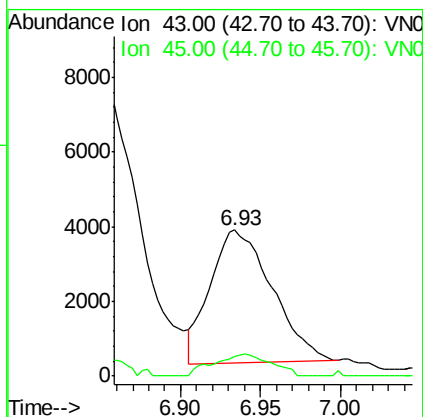
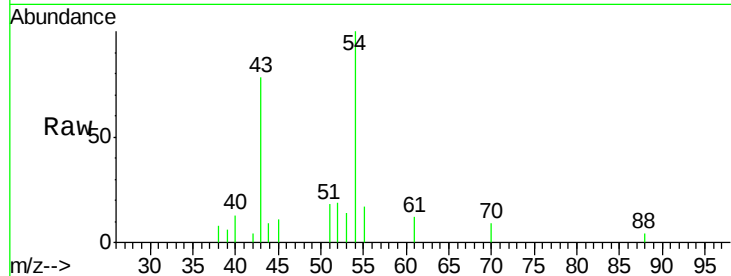
#43
Ethyl Acetate
Concen: 2.243 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 9546
Ion Ratio Lower Upper
43 100
45 13.1 12.3 18.5

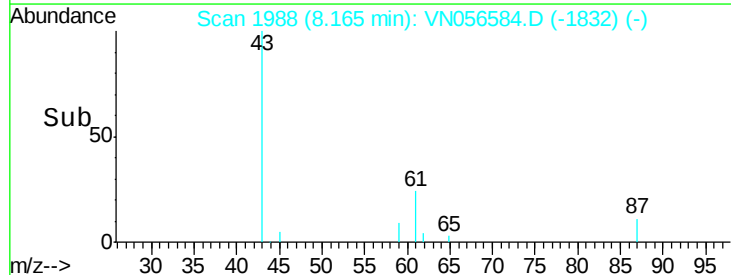
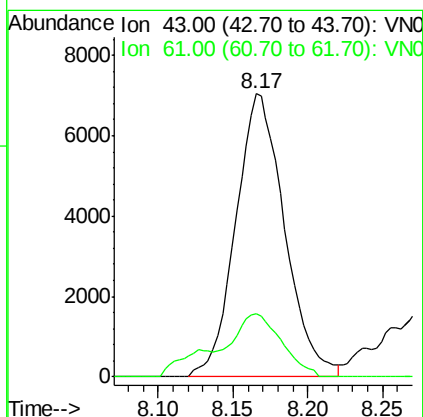
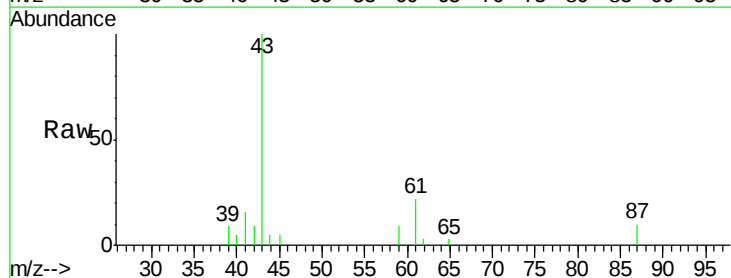
Manual Integrations
APPROVED

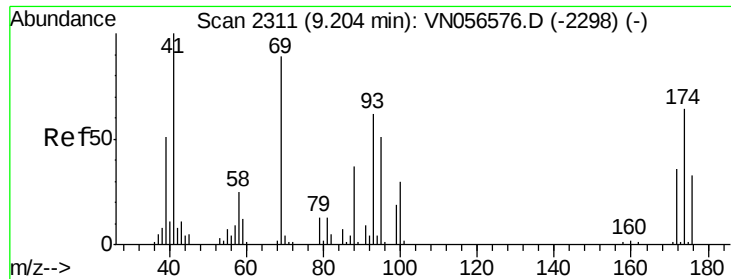
MMDadoda
7/8/2019 10:05:15 AM



#44
Isopropyl Acetate
Concen: 2.410 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 43 Resp: 16005
Ion Ratio Lower Upper
43 100
61 21.0 16.9 25.3





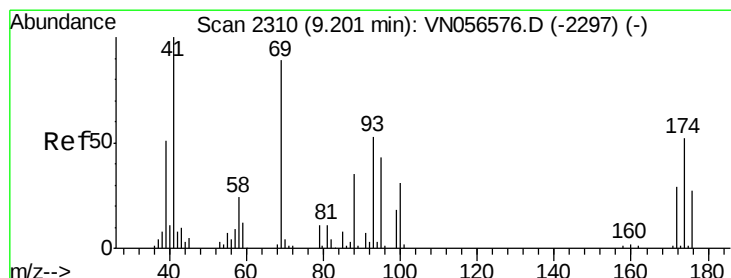
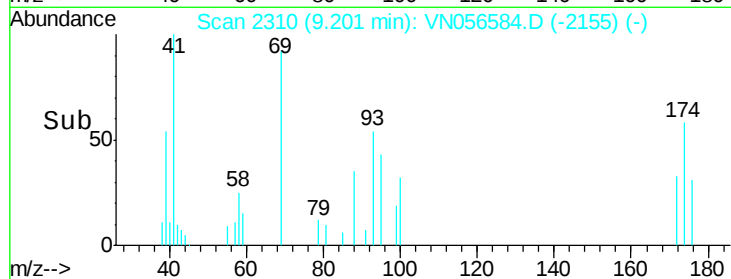
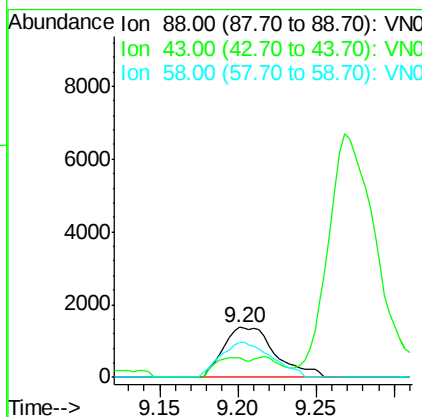
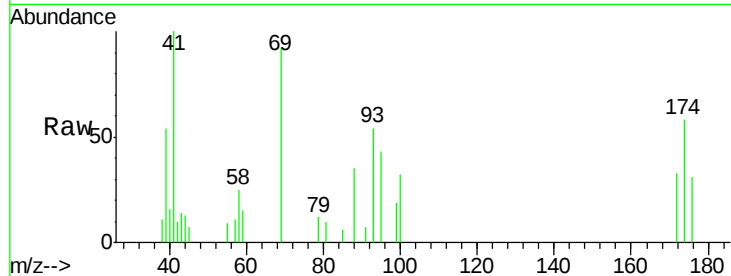
#45
1,4-Dioxane
Concen: 49.159 ug/l m
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.5	19.8	29.6
58	68.9	48.5	72.7

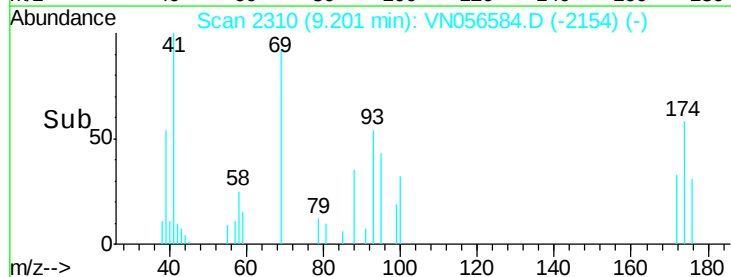
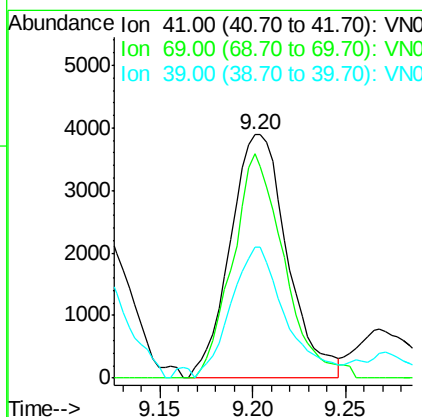
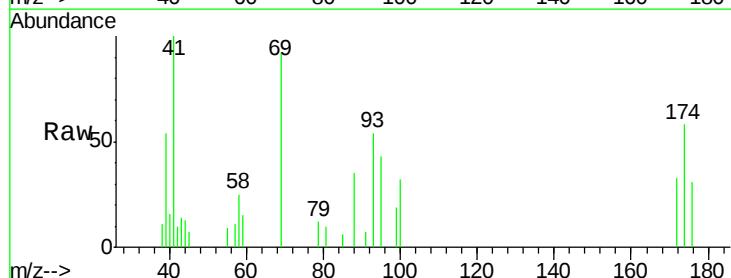
Manual Integrations
APPROVED

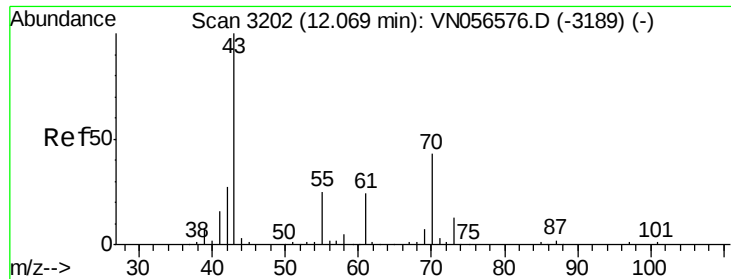
MMDadoda
7/8/2019 10:05:15 AM



#46
Methyl methacrylate
Concen: 2.558 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.9	46.0	137.8
39	50.1	24.6	73.8





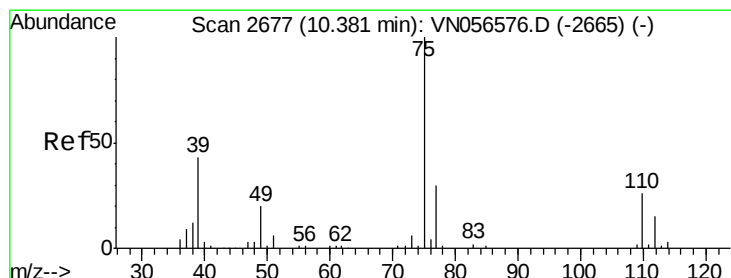
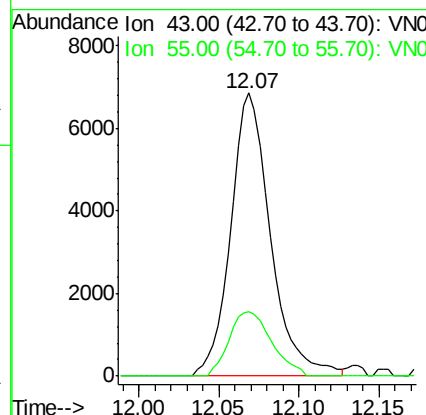
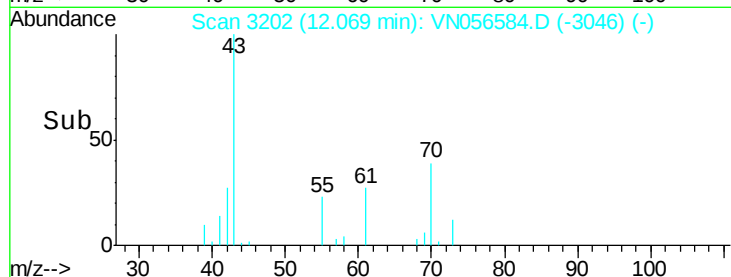
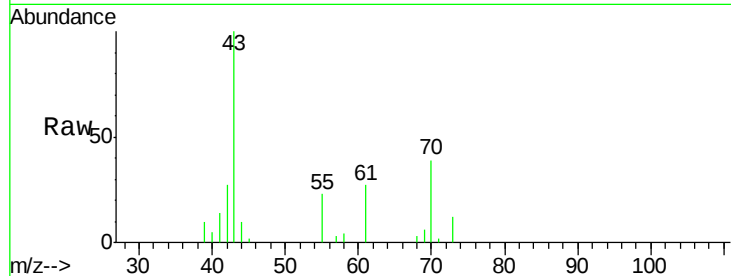
#47
n-amvl Acetate
Concen: 2.110 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 11646
Ion Ratio Lower Upper
43 100
55 24.3 19.0 28.6

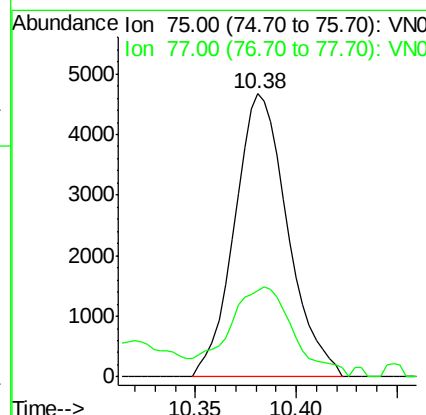
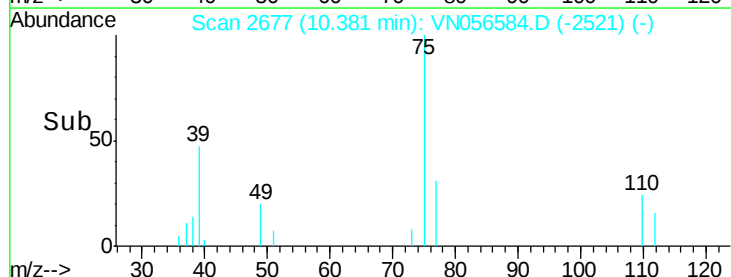
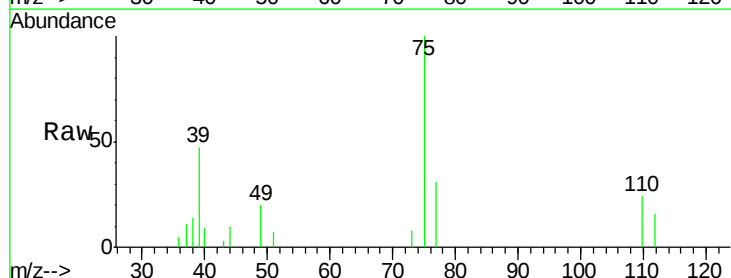
Manual Integrations
APPROVED

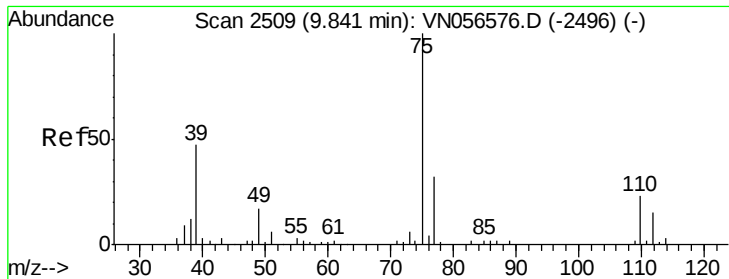
MMDadoda
7/8/2019 10:05:15 AM



#48
t-1,3-Dichloropropene
Concen: 2.094 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion: 75 Resp: 8591
Ion Ratio Lower Upper
75 100
77 27.3 26.0 39.0





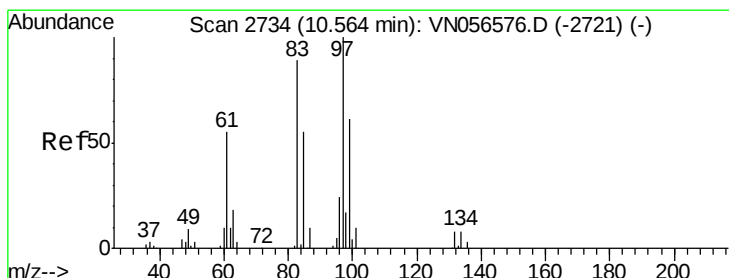
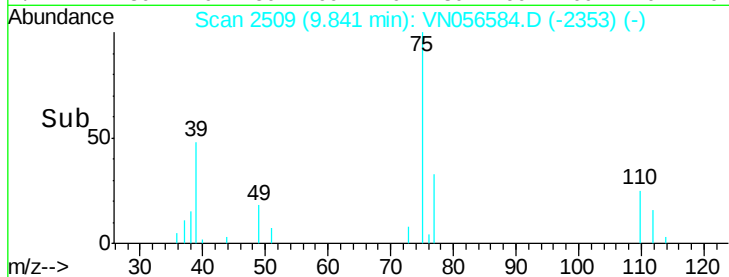
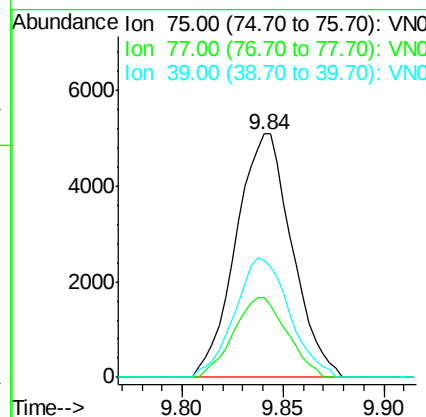
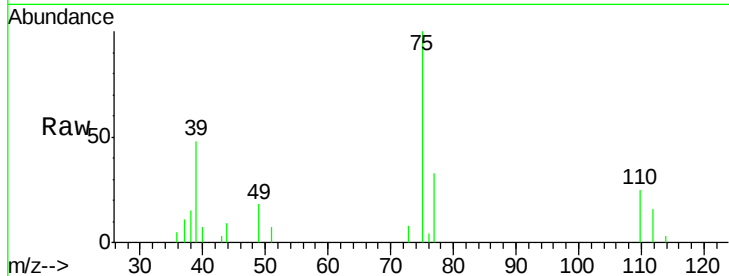
#49
 cis-1,3-Dichloropropene
 Concen: 2.088 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7
39	48.2	34.3	51.5

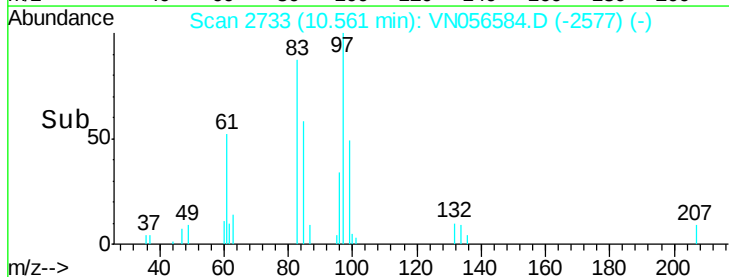
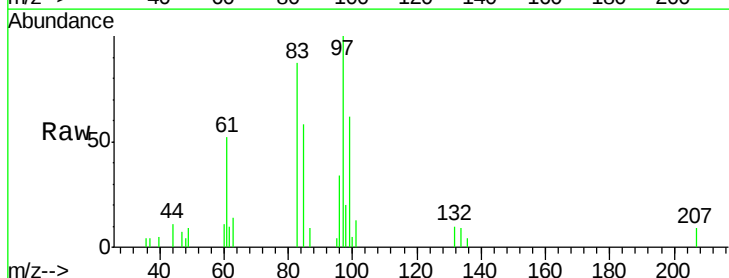
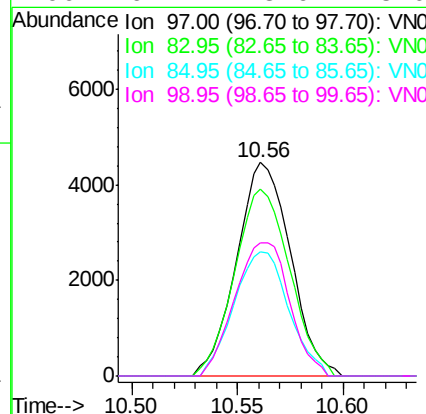
Manual Integrations
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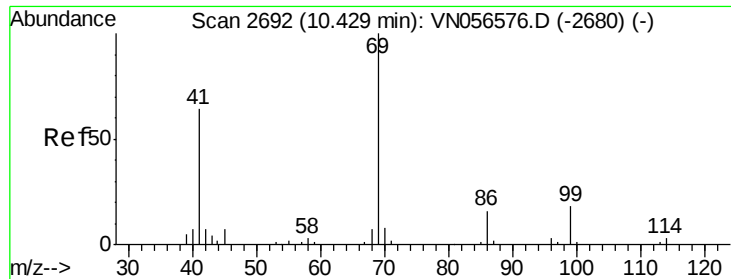
MMDadoda
 7/8/2019 10:05:15 AM



#50
 1,1,2-Trichloroethane
 Concen: 2.608 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.9	100.3
85	58.2	43.3	64.9
99	62.1	48.6	73.0





#51

Ethyl methacrylate

Concen: 2.164 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

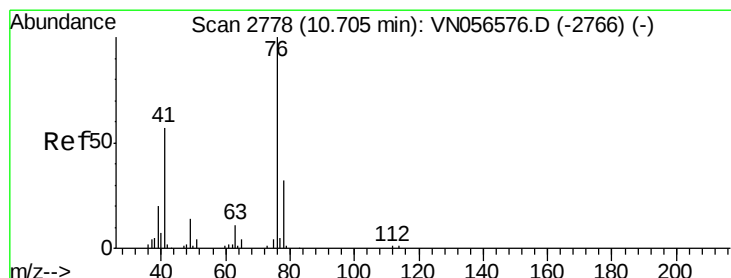
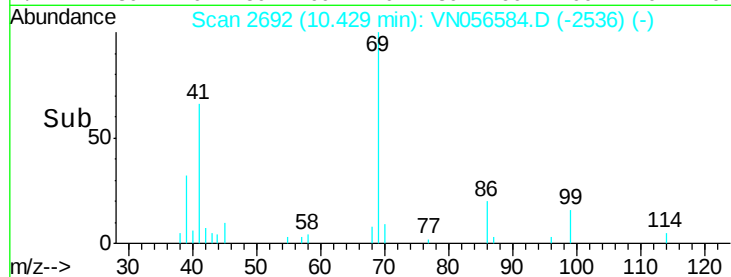
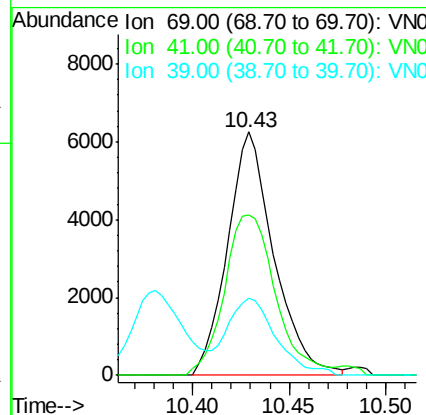
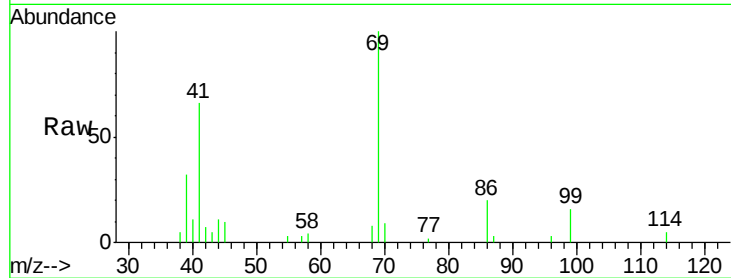
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	69	Resp:	10367
Ion	Ratio	Lower	Upper
69	100		
41	63.0	30.8	92.3
39	31.6	14.5	43.6

Manual Integrations
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7/8/2019 10:05:15 AM



#52

1,3-Dichloropropane

Concen: 2.565 ug/l

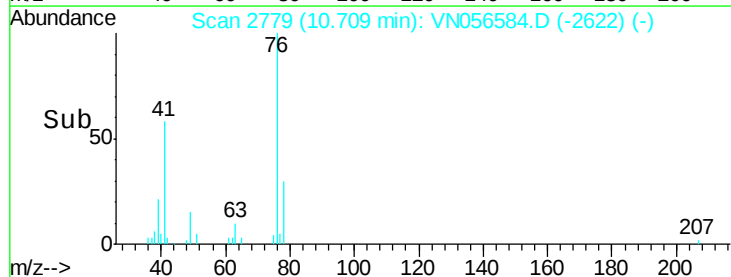
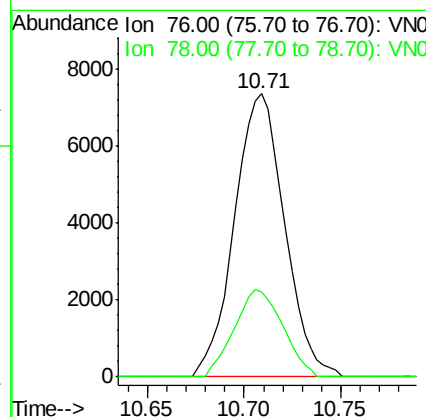
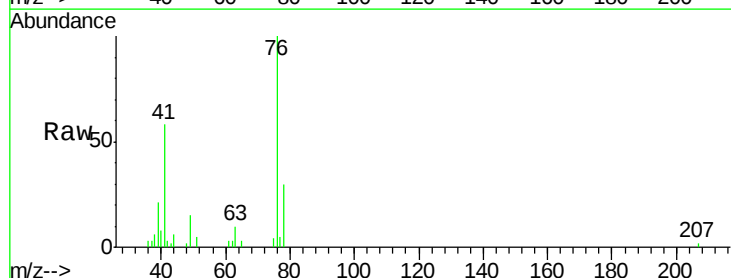
RT: 10.71 min Scan# 2779

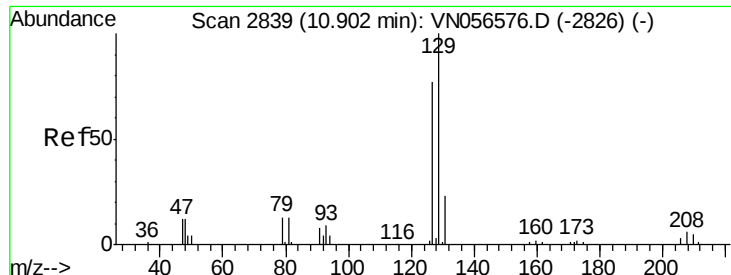
Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	76	Resp:	13258
Ion	Ratio	Lower	Upper
76	100		
78	29.8	0.0	63.4





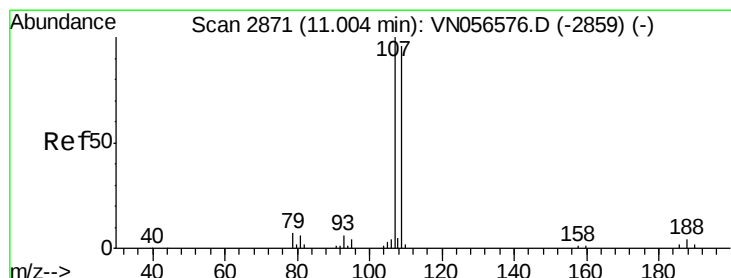
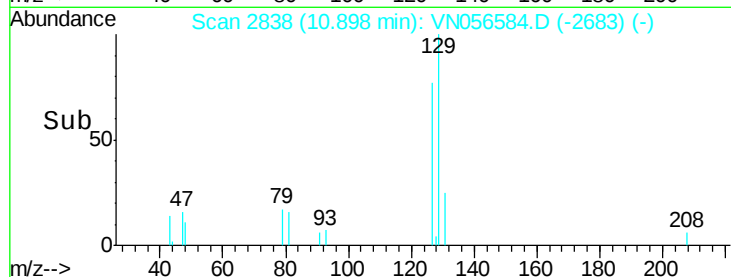
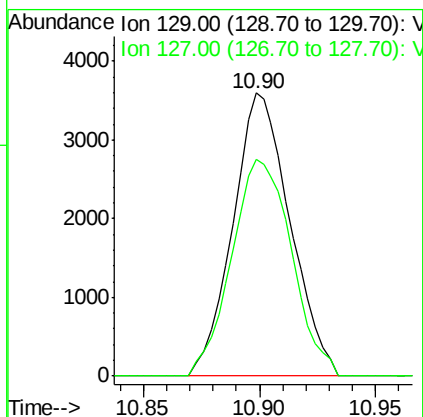
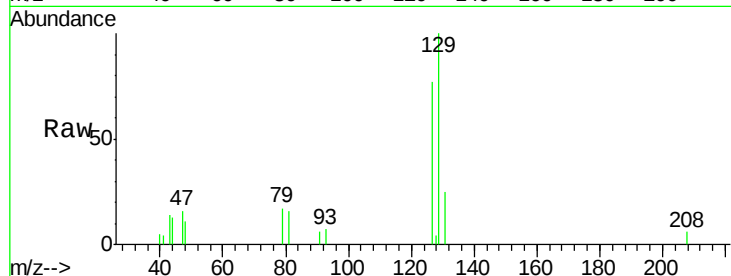
#53
Dibromochloromethane
Concen: 2.065 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:129 Resp: 6159
Ion Ratio Lower Upper
129 100
127 80.1 39.1 117.5

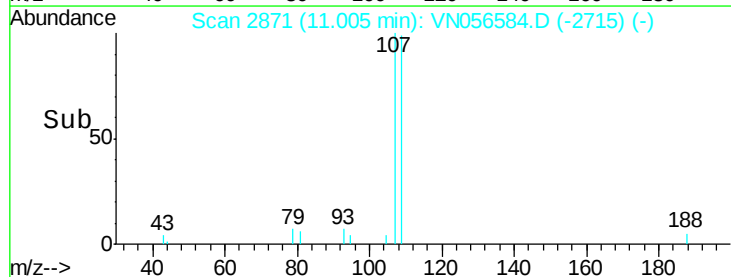
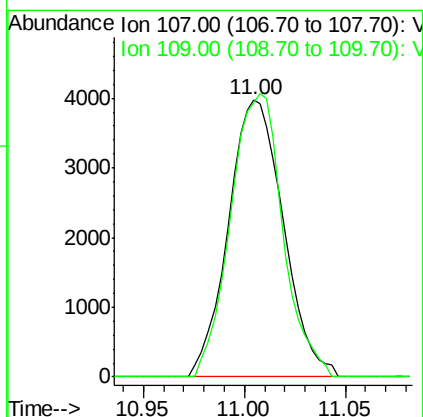
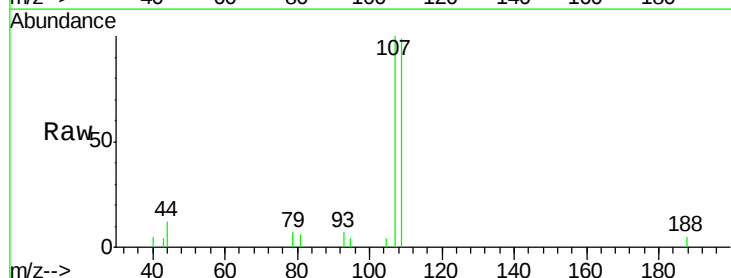
Manual Integrations
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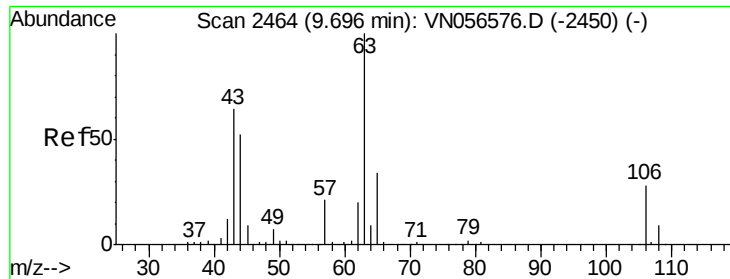
MMDadoda
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#54
1,2-Dibromoethane
Concen: 2.395 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:107 Resp: 7591
Ion Ratio Lower Upper
107 100
109 97.2 76.8 115.2





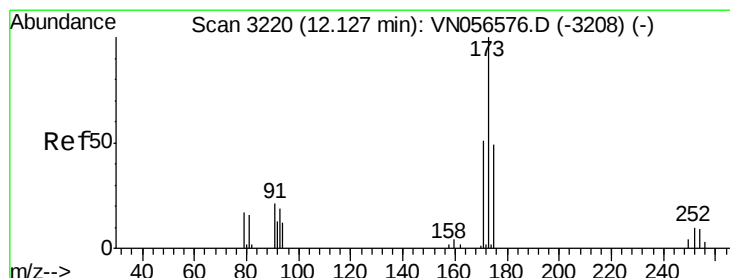
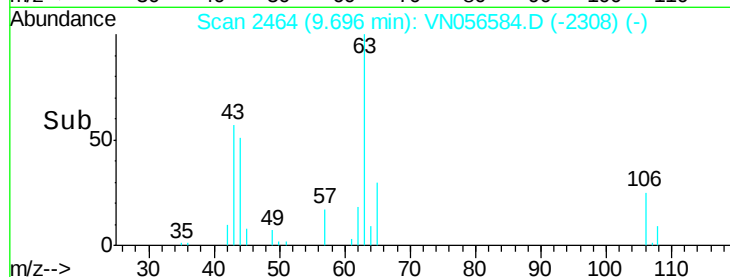
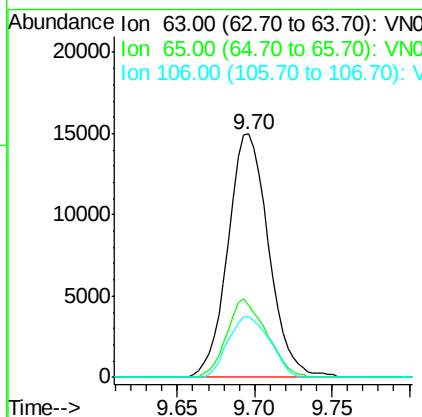
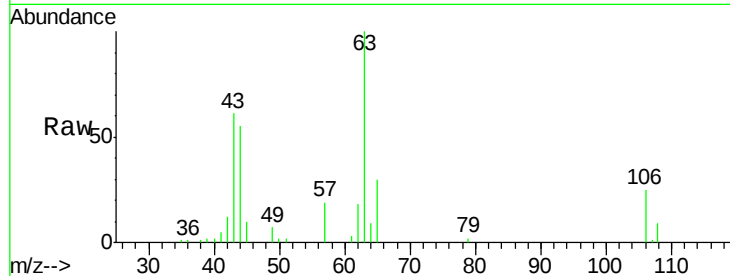
#55
2-Chloroethyl vinyl ether
Concen: 11.244 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.5	38.3
106	25.3	23.0	34.4

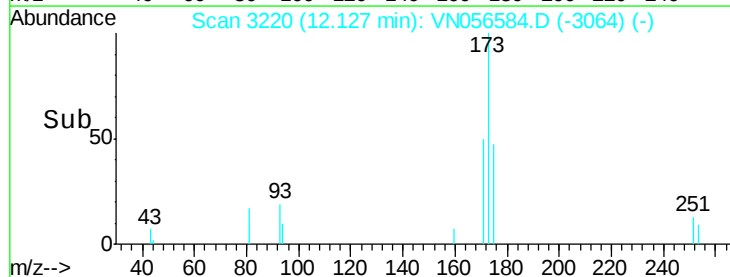
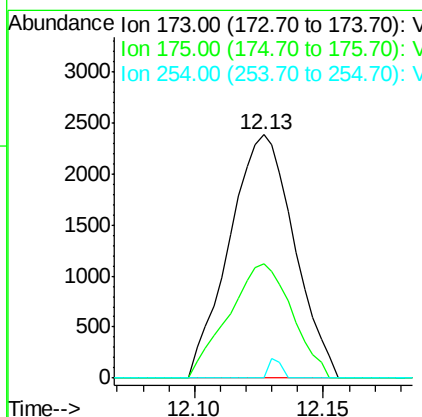
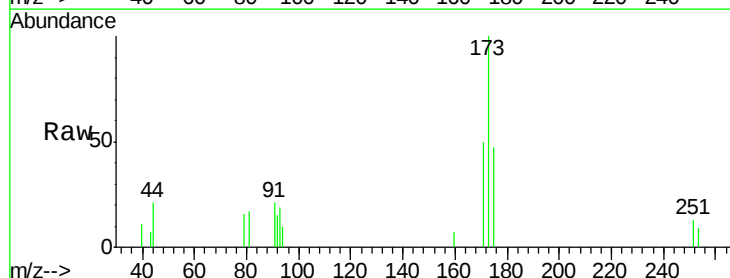
Manual Integrations
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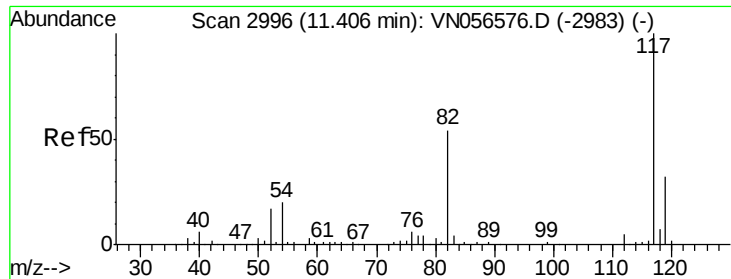
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#56
Bromoform
Concen: 1.930 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.9	38.7	58.1
254	1.6	6.6	9.8





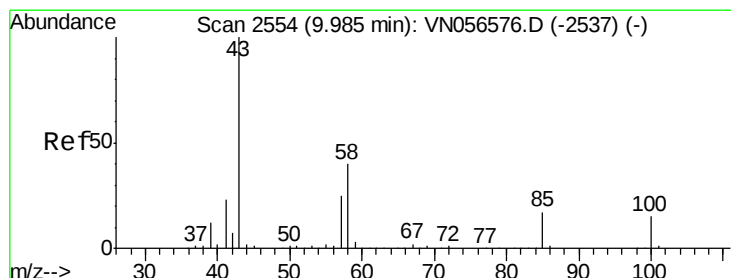
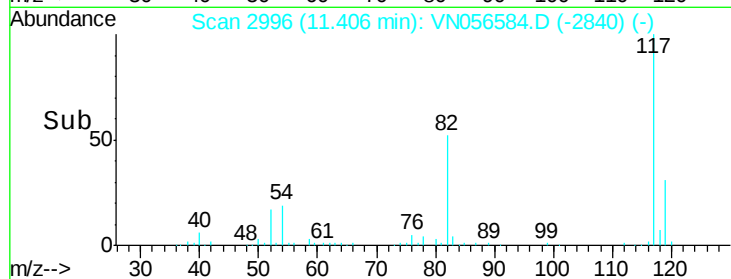
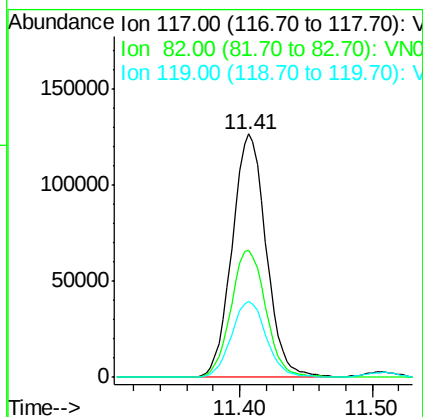
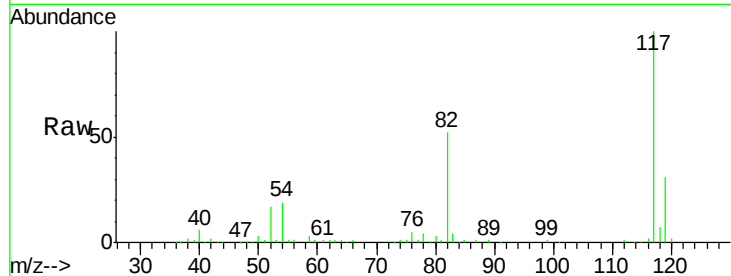
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.2	61.8
119	32.1	26.2	39.2

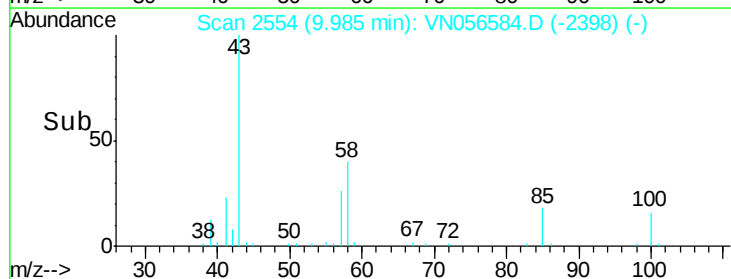
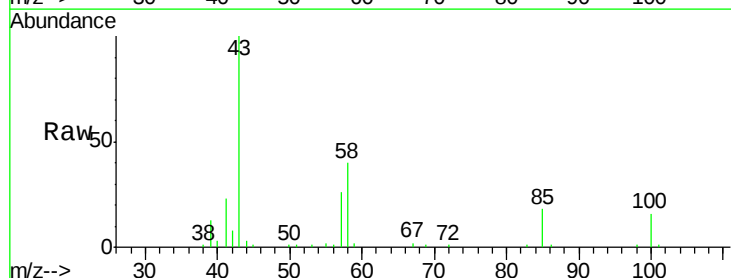
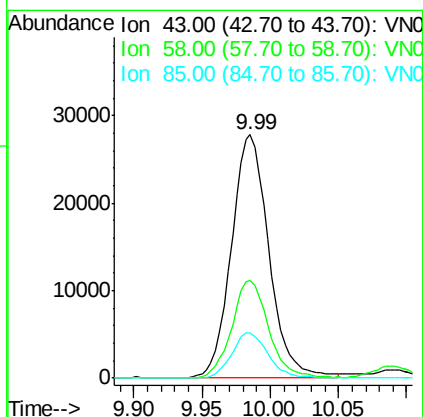
Manual Integrations
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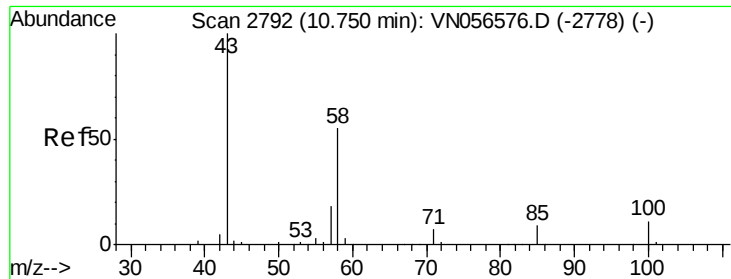
MMDadoda
7/8/2019 10:05:15 AM



#58
4-Methyl-2-Pentanone
Concen: 13.144 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	33.1	49.7
85	17.7	15.5	23.3





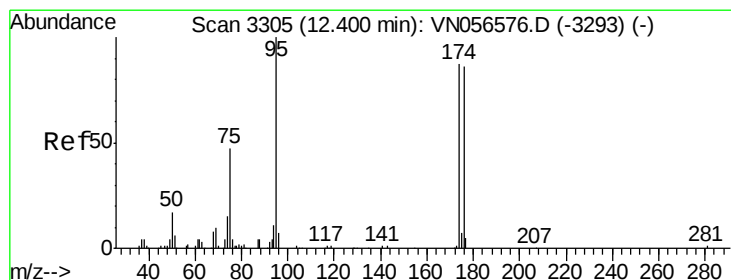
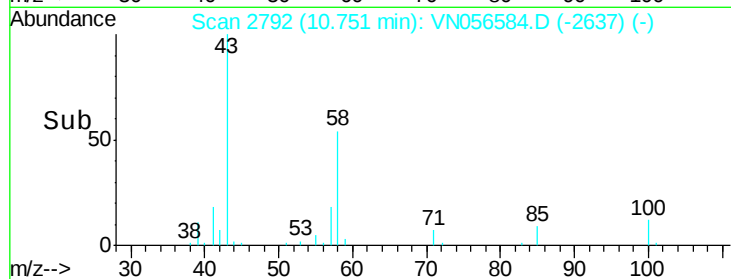
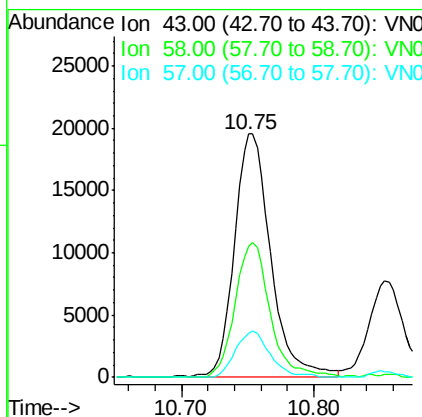
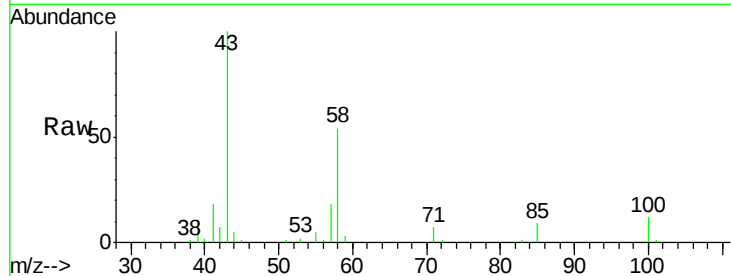
#59
2-Hexanone
Concen: 12.408 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	45.3	67.9
57	17.6	15.6	23.4

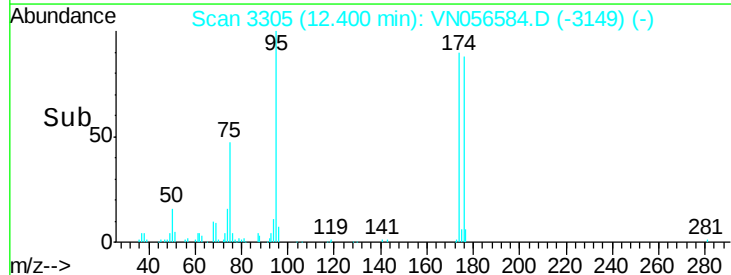
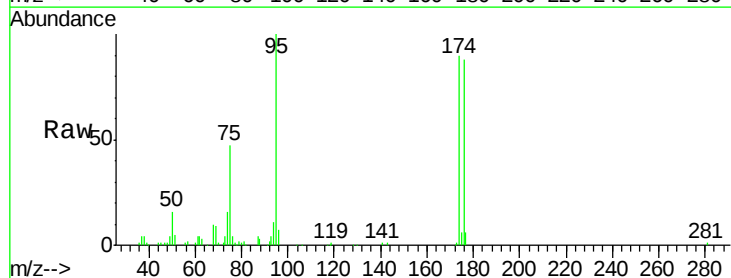
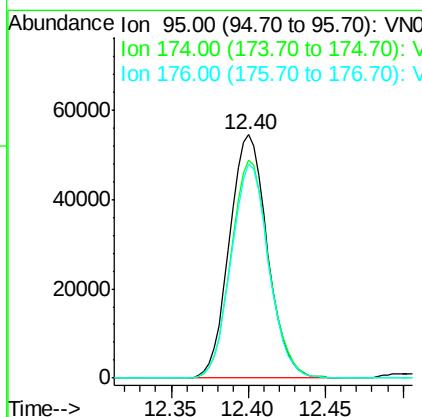
Manual Integrations
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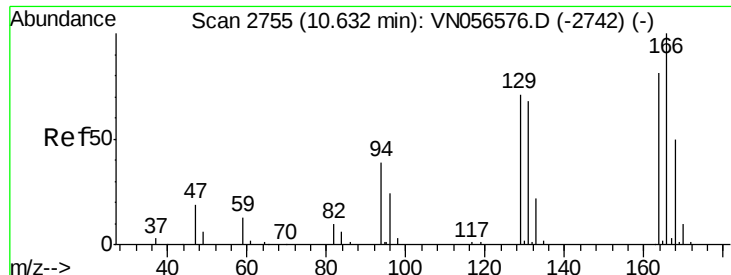
MMDadoda
7/8/2019 10:05:15 AM



#60
4-Bromofluorobenzene
Concen: 26.820 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	75.4	113.0
176	86.9	73.9	110.9





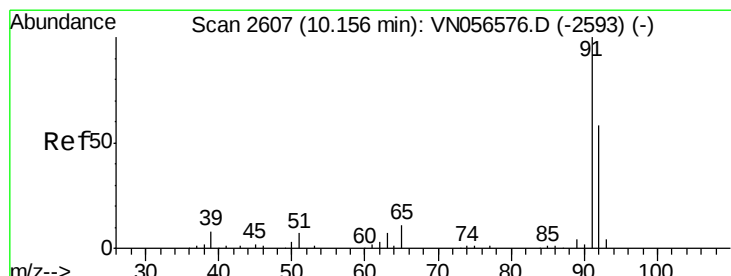
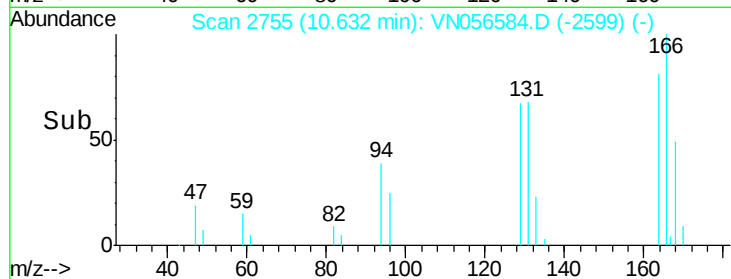
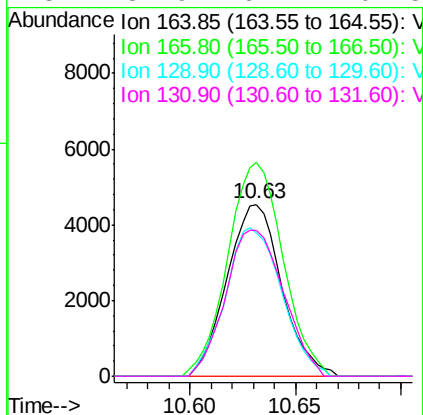
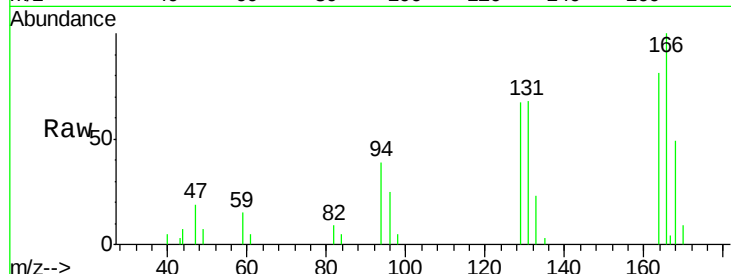
#61
Tetrachloroethene
Concen: 2.891 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.2	104.3	156.5
129	83.3	71.5	107.3
131	84.9	67.7	101.5

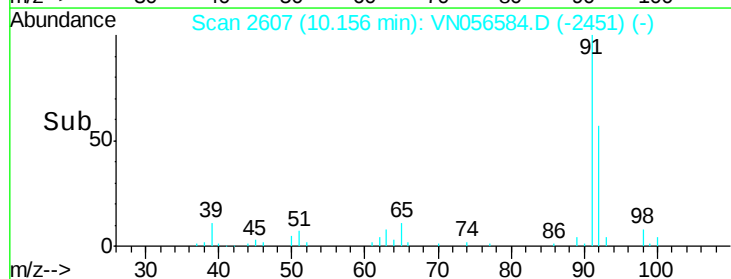
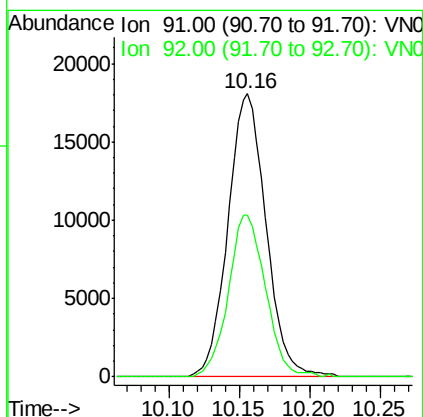
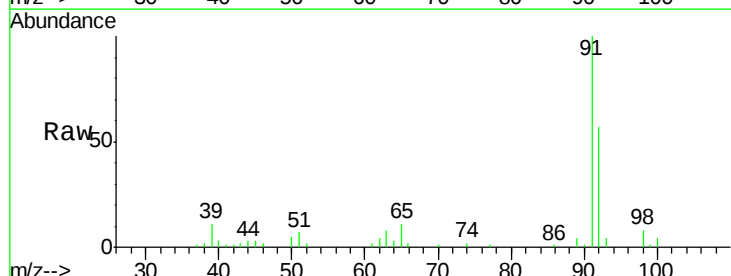
Manual Integrations
APPROVED

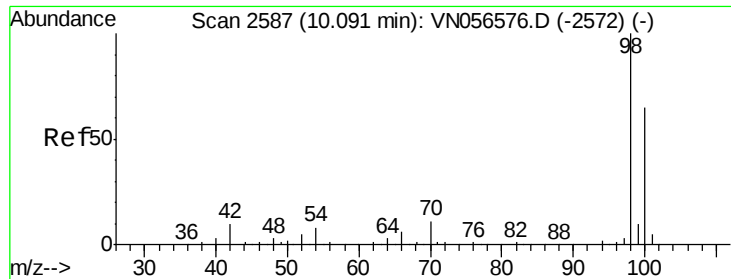
MMDadoda
7/8/2019 10:05:15 AM



#62
Toluene
Concen: 2.715 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	45.5	68.3





#63

Toluene-d8

Concen: 31.145 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 98 Resp: 326218

Ion Ratio Lower Upper

98 100

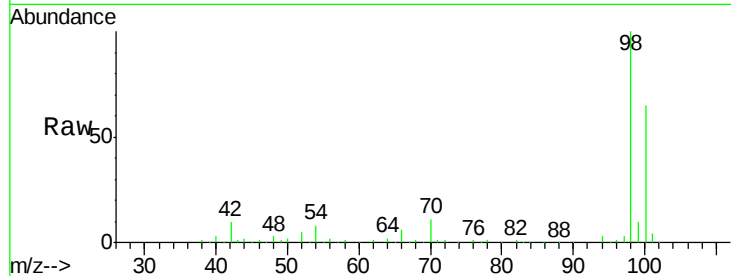
100 64.4 52.2 78.4

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Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056584.D (-2431) (-)

200000

150000

100000

50000

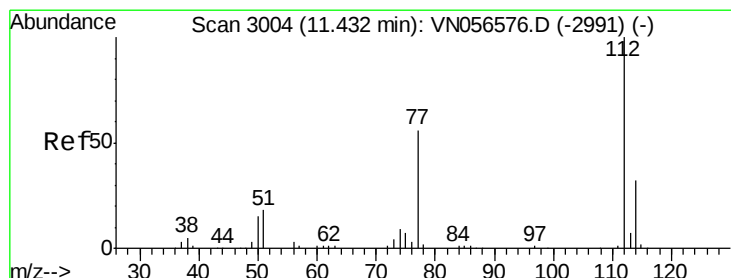
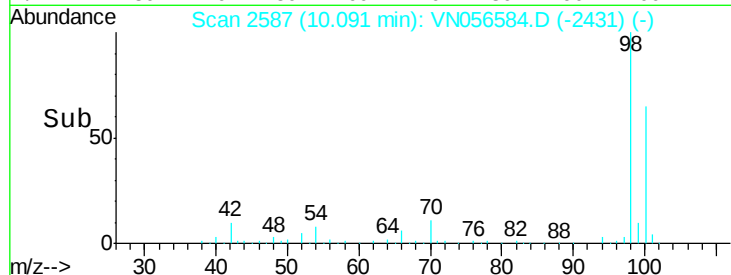
0

10.09

10.10

10.20

Time-->



#64

Chlorobenzene

Concen: 2.591 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056584.D

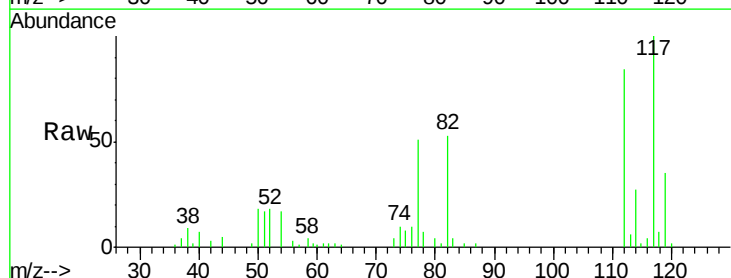
Acq: 3 Jul 2019 13:25

Tgt Ion: 112 Resp: 19637

Ion Ratio Lower Upper

112 100

114 32.2 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056584.D (-2848) (-)

12000

10000

8000

6000

4000

2000

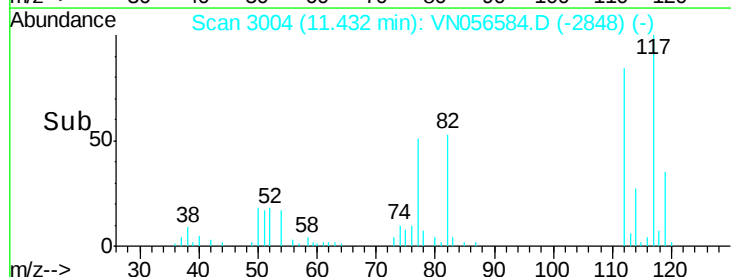
0

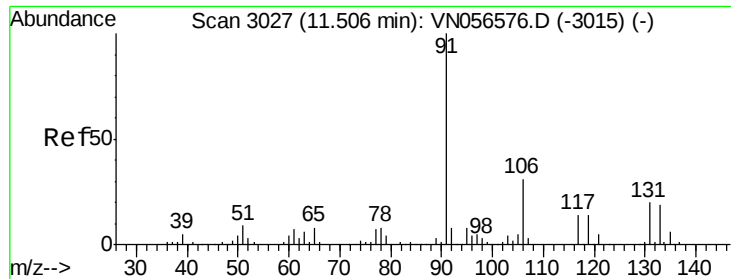
11.43

11.45

11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.417 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

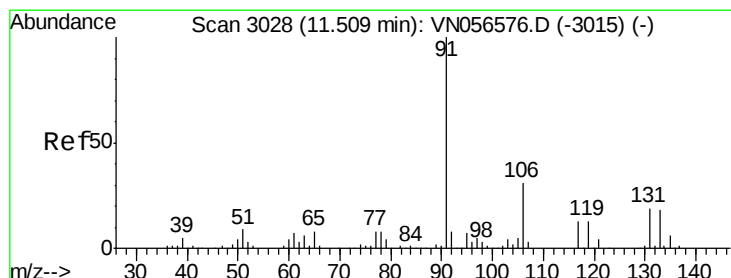
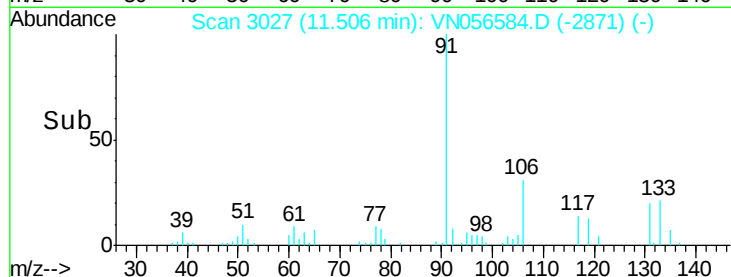
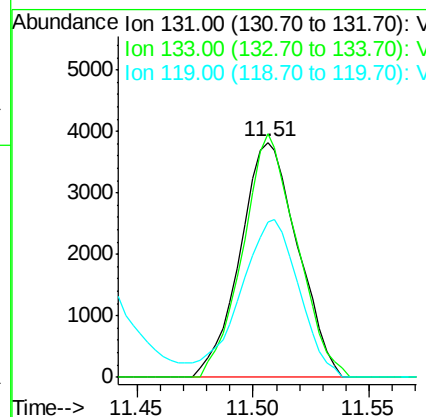
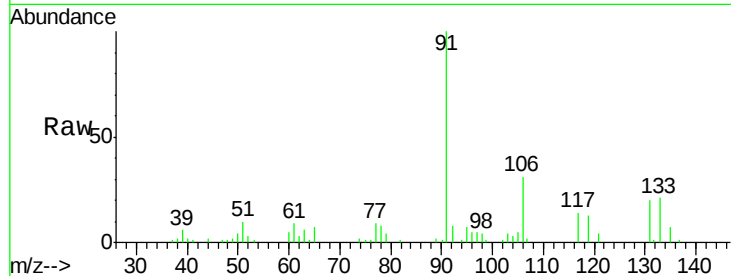
LOD-MDL-WATER-01-QT3-2019

Tot Ion:131 Resp: 6596

Ion	Ratio	Lower	Upper
131	100		
133	96.8	0.0	193.8
119	68.2	0.0	134.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 2.492 ug/l

RT: 11.51 min Scan# 3028

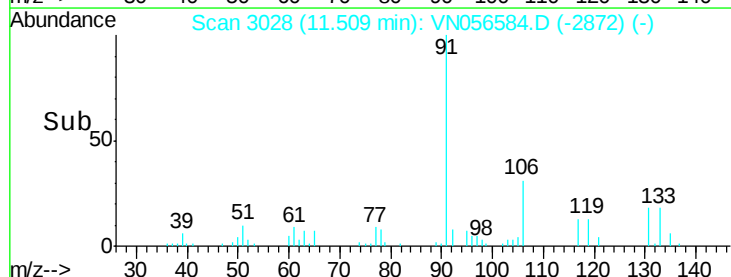
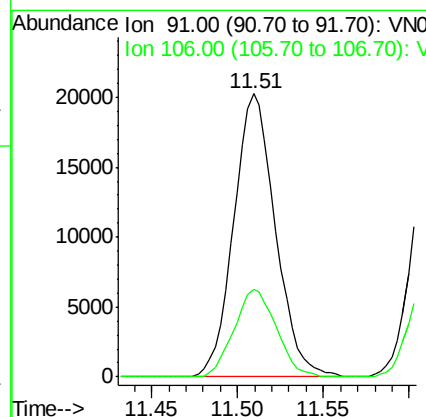
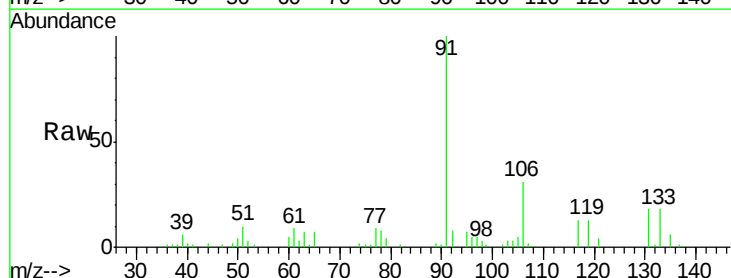
Delta R.T. 0.00 min

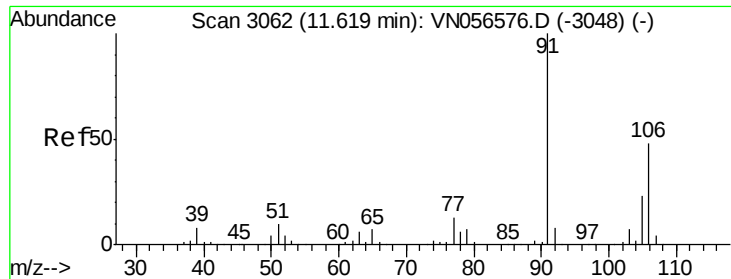
Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion: 91 Resp: 33992

Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.7	38.5





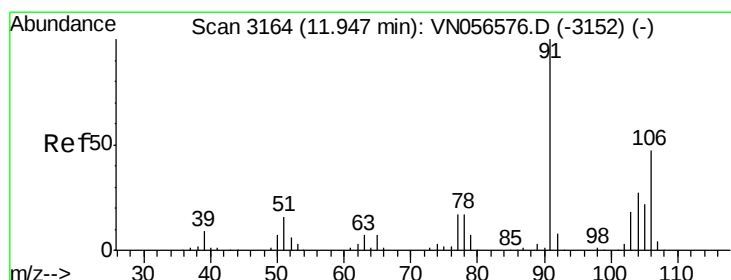
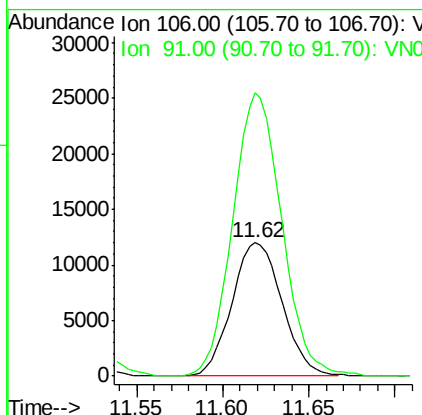
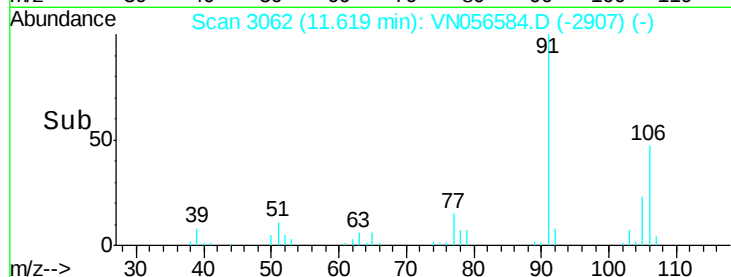
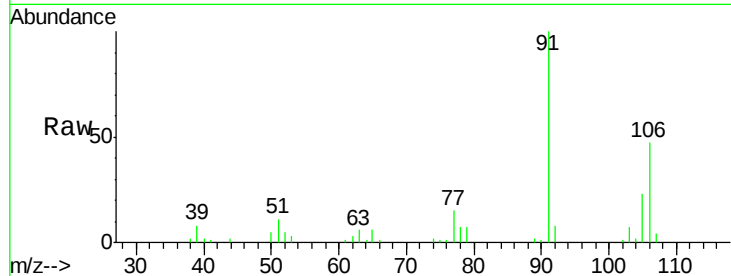
#67
m/p-Xylenes
Concen: 4.847 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:106 Resp: 24398
Ion Ratio Lower Upper
106 100
91 207.2 155.7 233.5

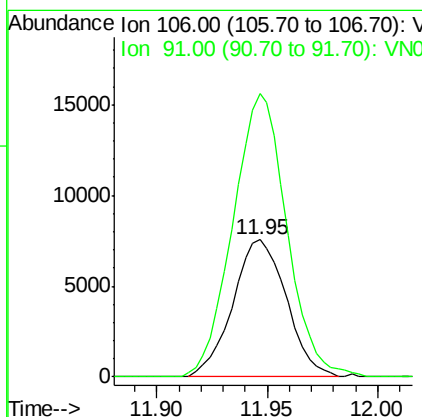
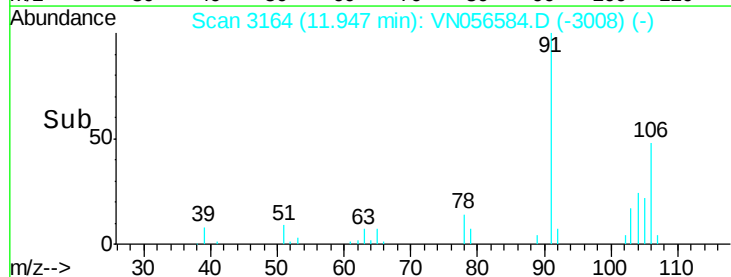
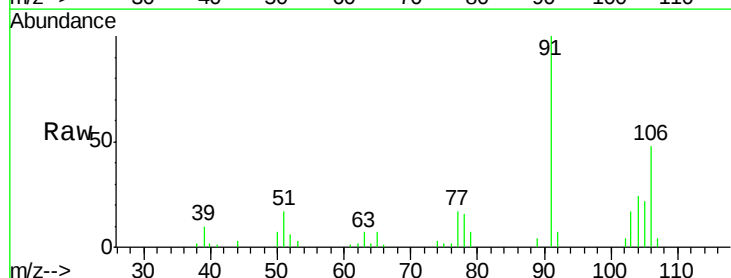
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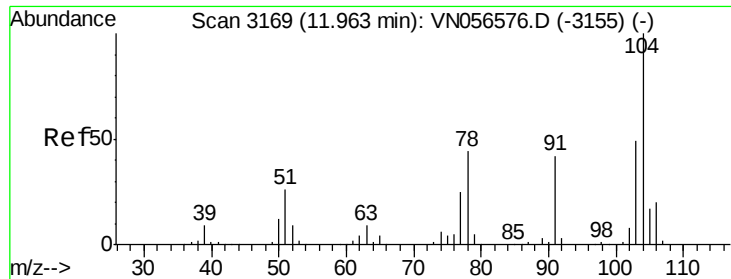
MMDadoda
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#68
o-Xylene
Concen: 2.563 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion:106 Resp: 12757
Ion Ratio Lower Upper
106 100
91 207.6 103.9 311.7





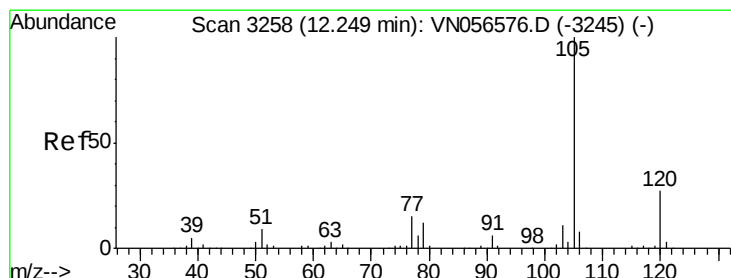
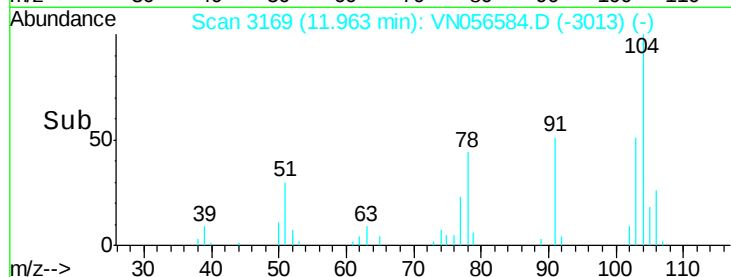
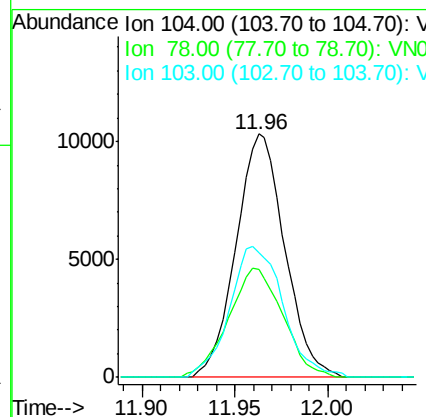
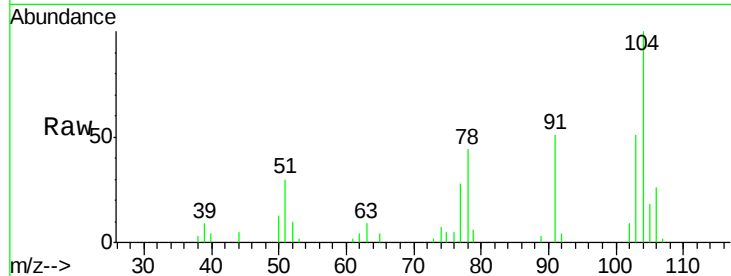
#69
Stvrene
Concen: 2.270 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	37.0	55.6
103	59.3	44.4	66.6

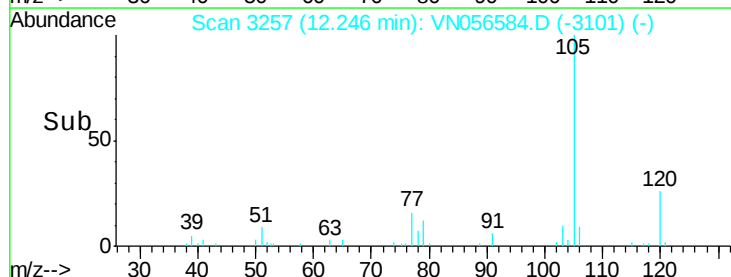
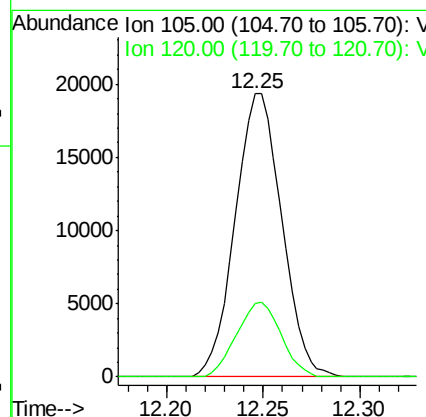
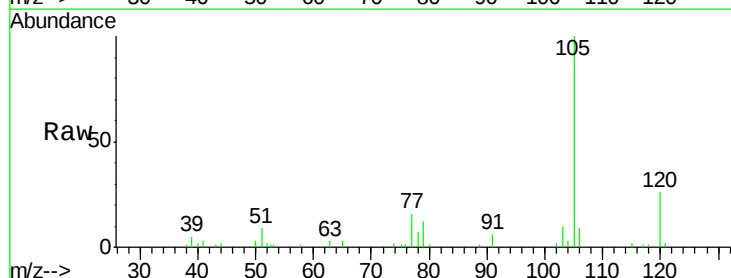
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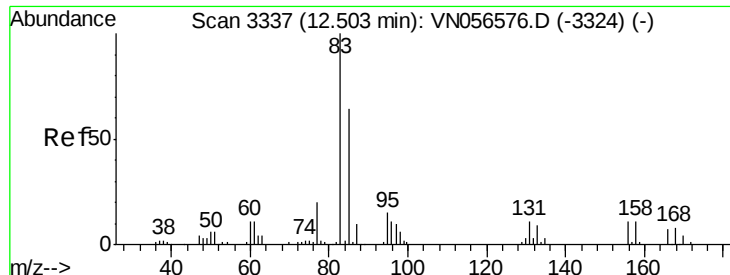
MMDadoda
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#70
Isopropylbenzene
Concen: 2.498 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.3	35.8





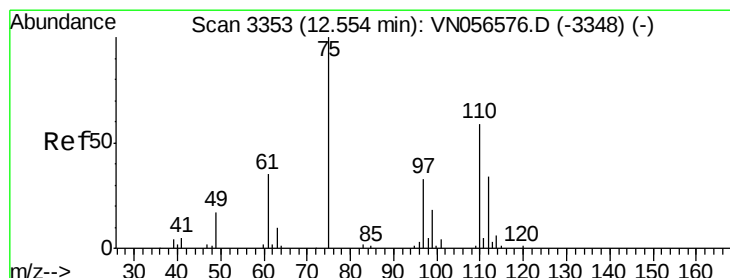
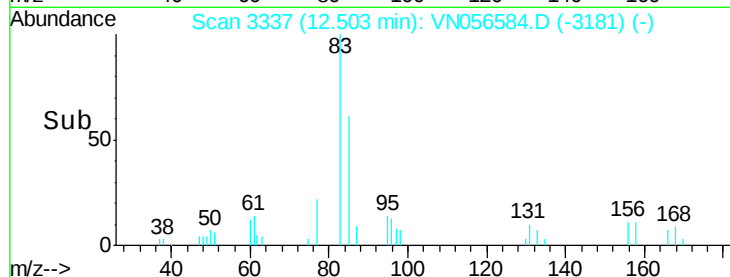
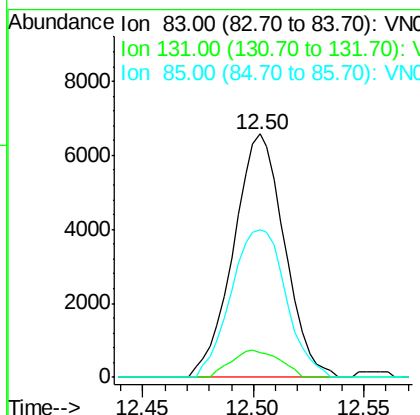
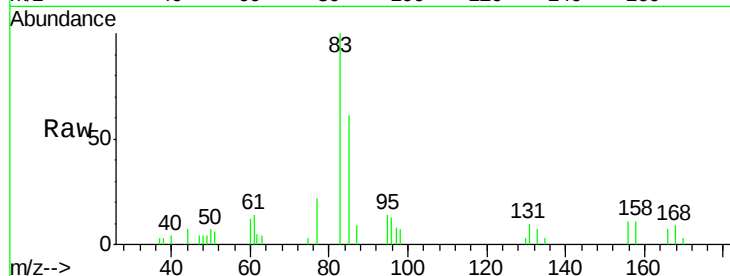
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.459 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.5	5.2	15.6	
85	65.3	31.6	94.7	

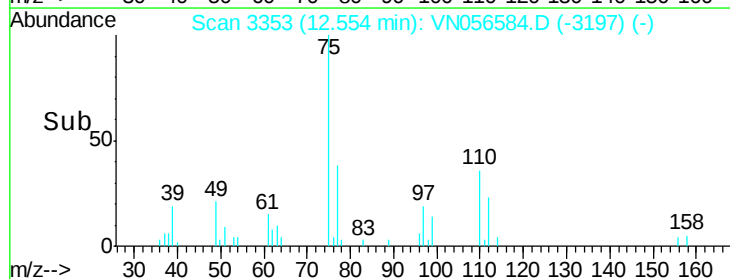
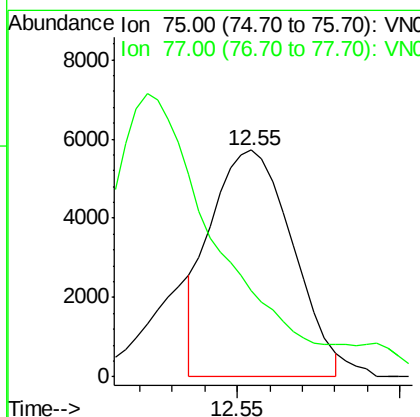
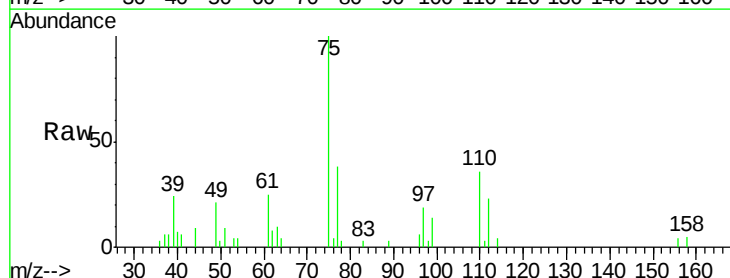
Manual Integrations
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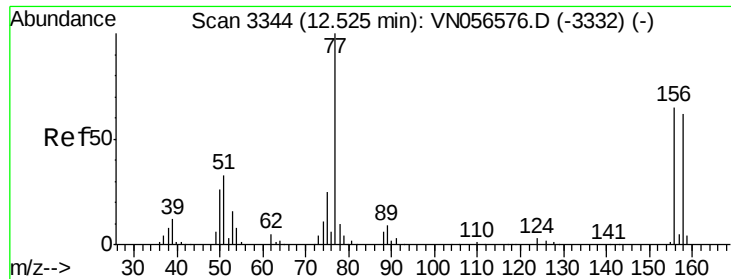
MMDadoda
 7/8/2019 10:05:15 AM



#72
 1,2,3-Trichloropropane
 Concen: 2.756 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	165.0	0.0	350.0	





#73

Bromobenzene

Concen: 2.311 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

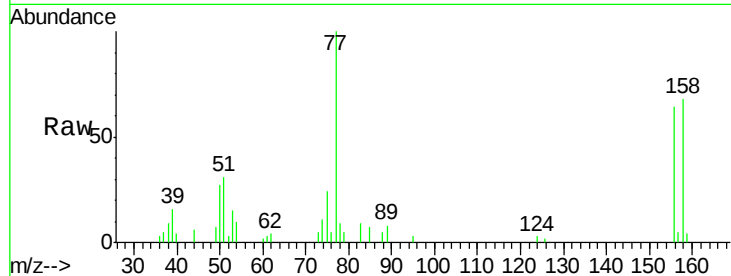
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	212.1	0.0	350.8	
158	105.4	0.0	193.2	

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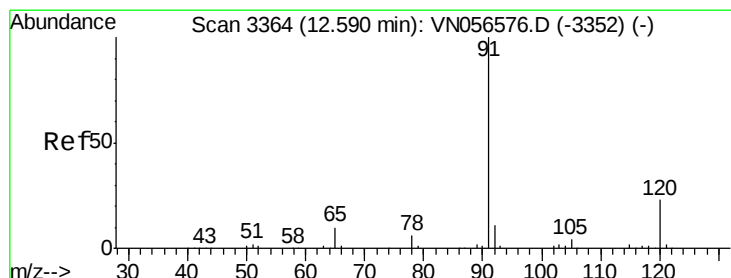
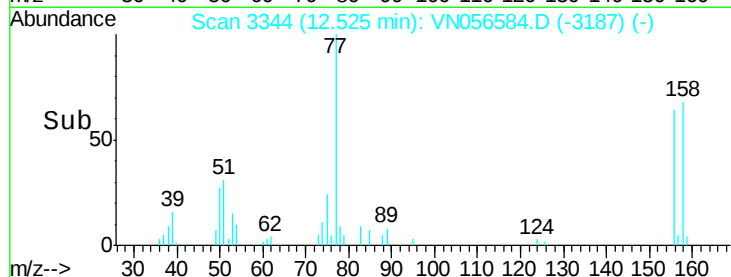
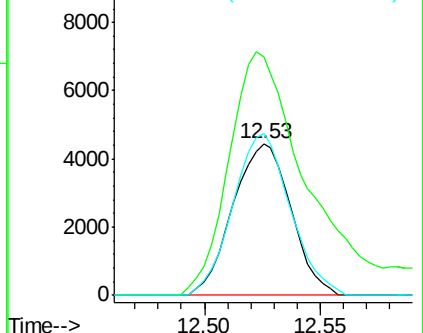
MMDadoda
7/8/2019 10:05:15 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.332 ug/l

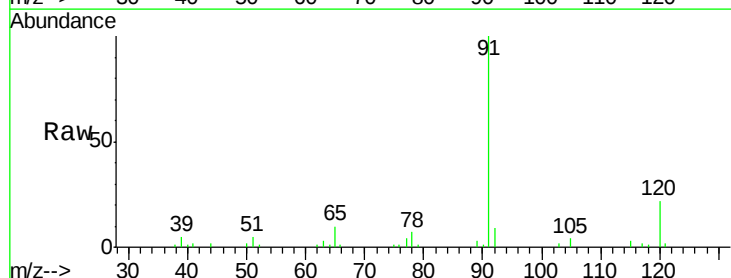
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056584.D

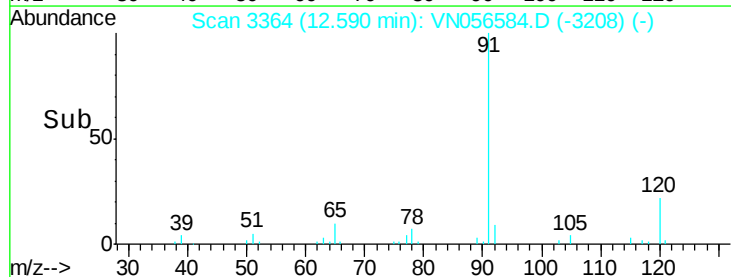
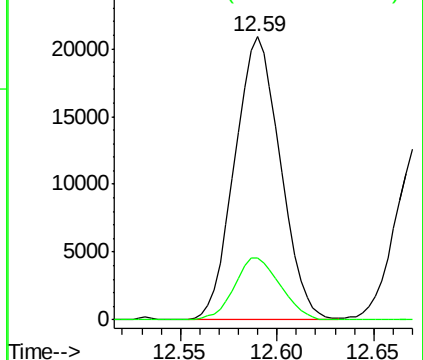
Acq: 3 Jul 2019 13:25

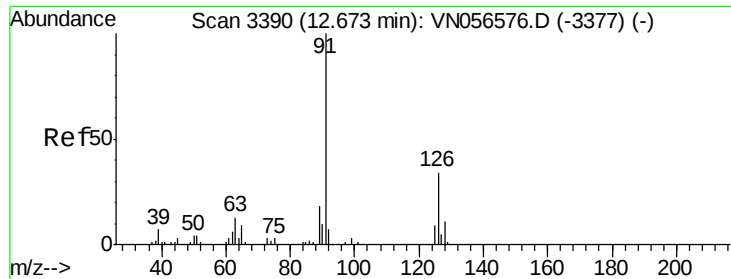
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	0.0	48.6	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.498 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 22011

Ion Ratio Lower Upper

91 100

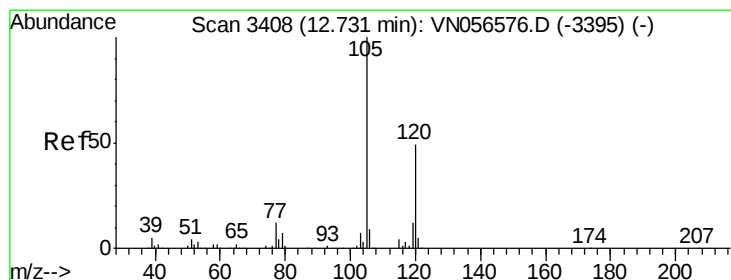
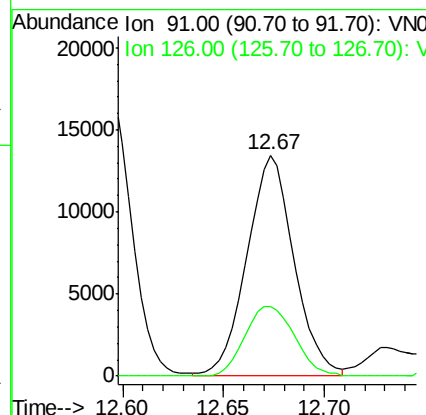
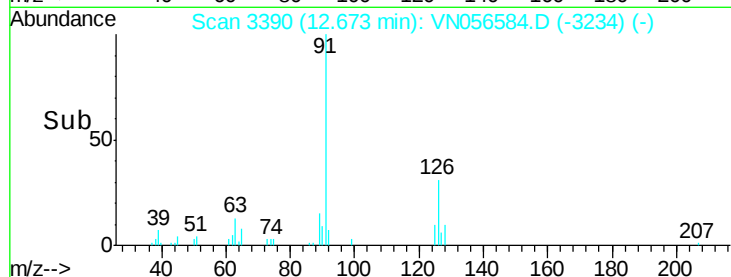
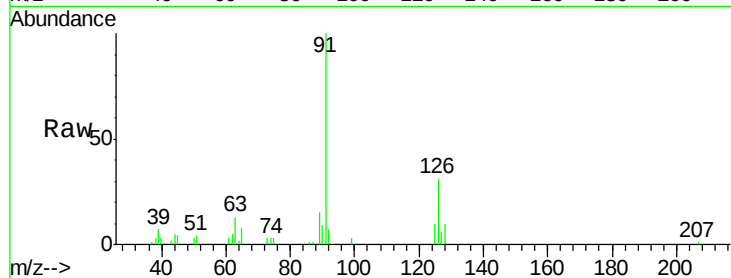
126 33.3 0.0 72.4

Manual Integrations

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7/8/2019 10:05:15 AM



#76

1,3,5-Trimethylbenzene

Concen: 2.317 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056584.D

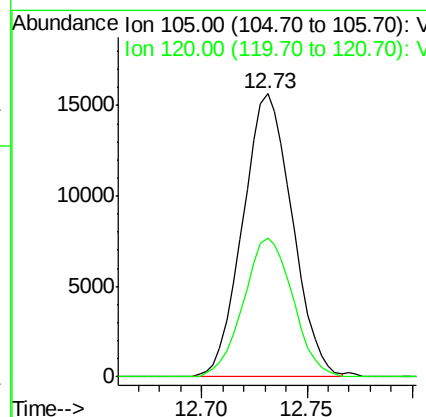
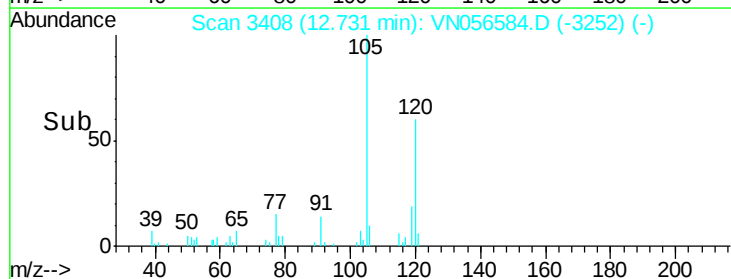
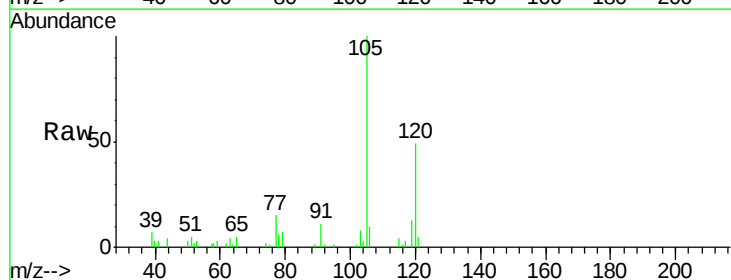
Acq: 3 Jul 2019 13:25

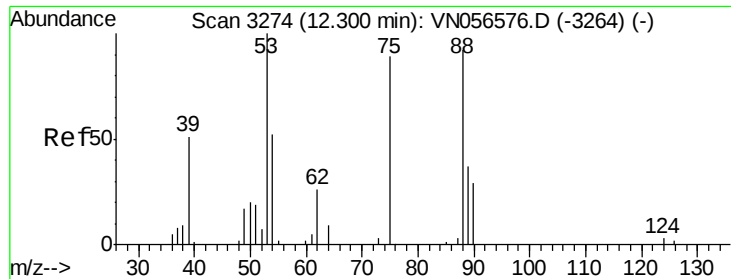
Tgt Ion: 105 Resp: 25484

Ion Ratio Lower Upper

105 100

120 48.9 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 1.587 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 75 Resp: 1836

Ion Ratio Lower Upper

75 100

53 121.4 48.0 144.0

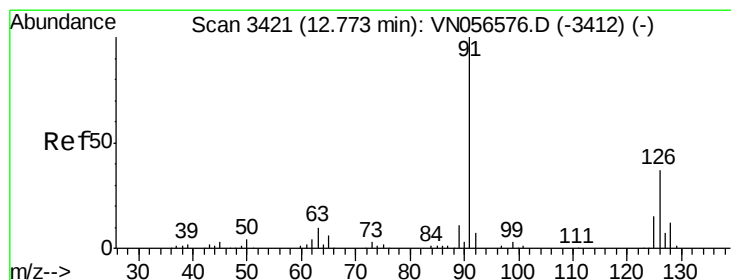
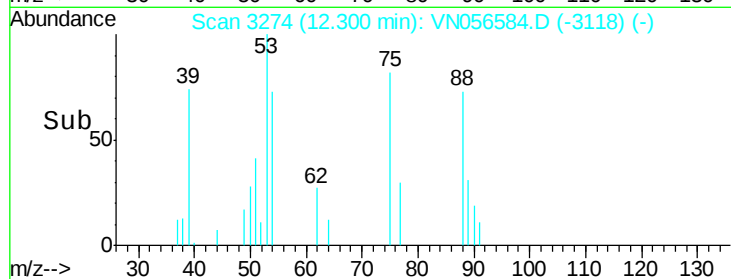
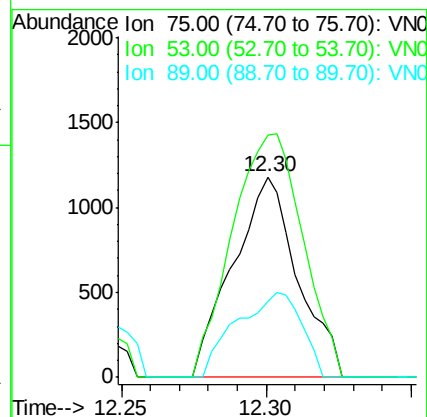
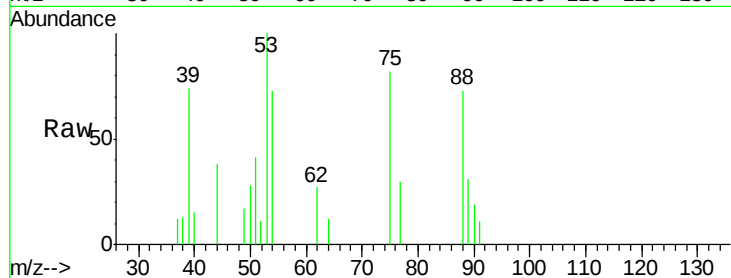
89 38.0 22.5 67.5

Manual Integrations

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MMDadoda

7/8/2019 10:05:15 AM



#78

4-Chlorotoluene

Concen: 2.139 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056584.D

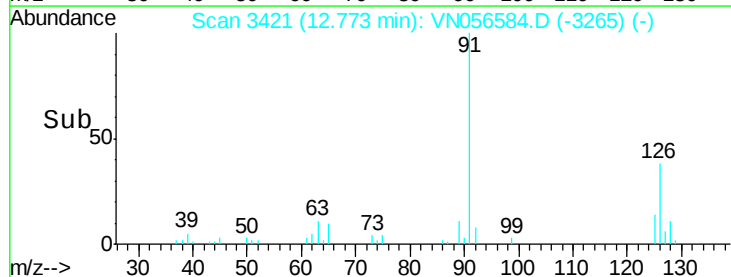
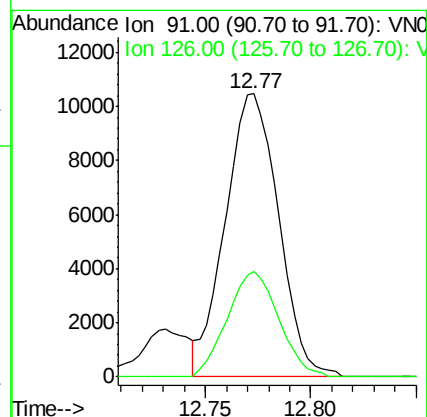
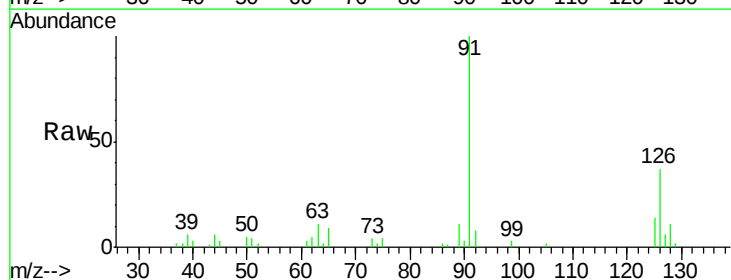
Acq: 3 Jul 2019 13:25

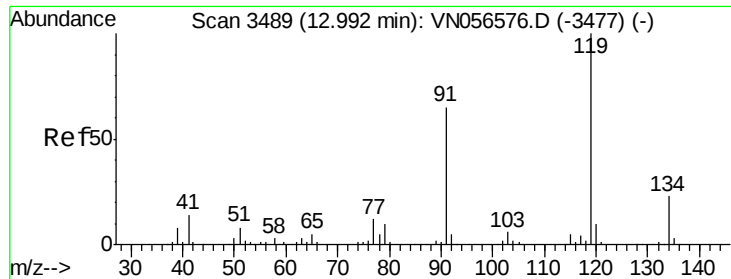
Tgt Ion: 91 Resp: 18332

Ion Ratio Lower Upper

91 100

126 36.0 0.0 71.8





#79

tert-butylbenzene

Concen: 2.444 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

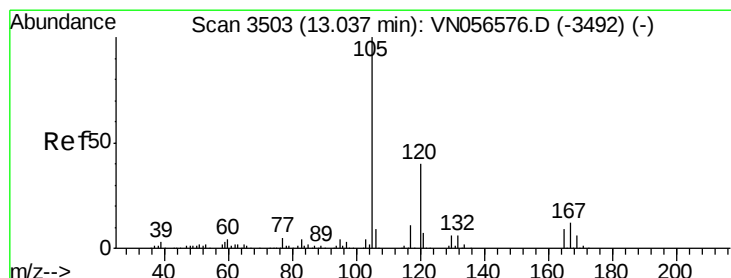
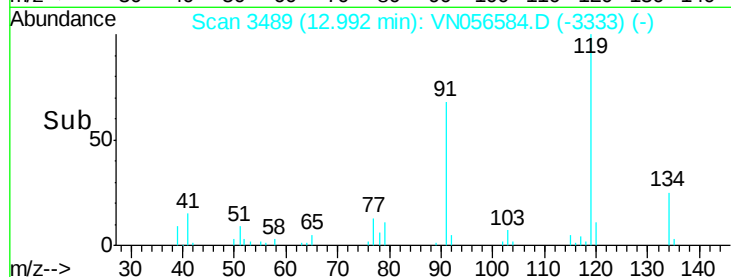
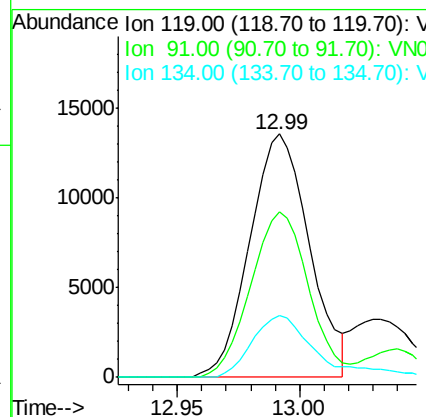
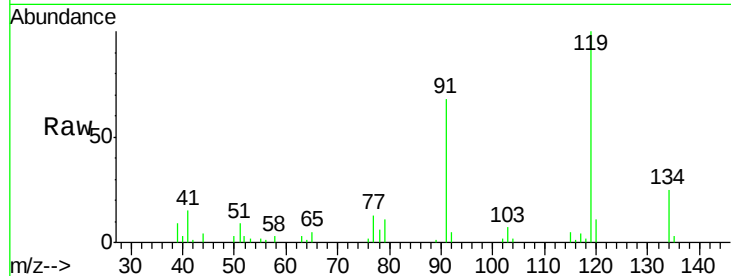
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	119	Resp:	22965
Ion Ratio	Lower	Upper	
119	100		
91	66.1	0.0	122.8
134	24.0	0.0	50.2

Manual Integrations
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7/8/2019 10:05:15 AM



#80

1,2,4-Trimethylbenzene

Concen: 2.314 ug/l

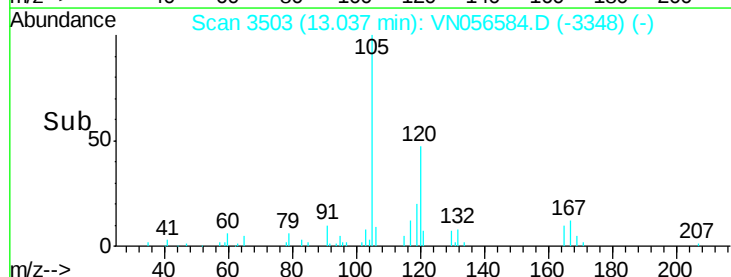
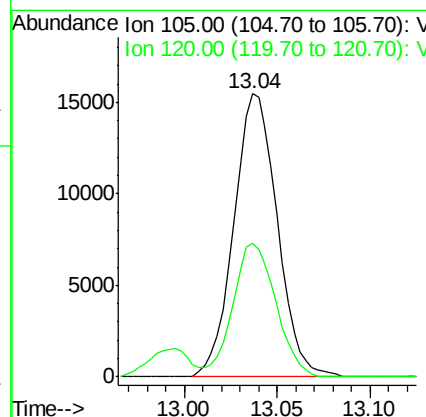
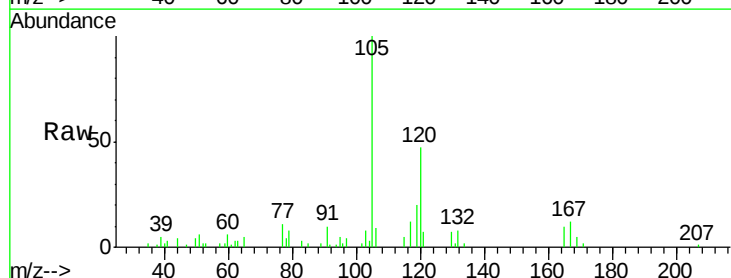
RT: 13.04 min Scan# 3503

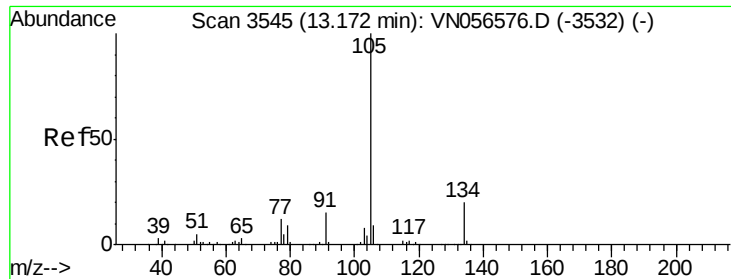
Delta R.T. -0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	105	Resp:	25132
Ion Ratio	Lower	Upper	
105	100		
120	46.8	0.0	93.4





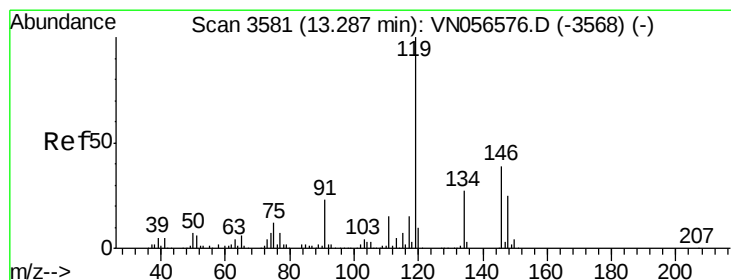
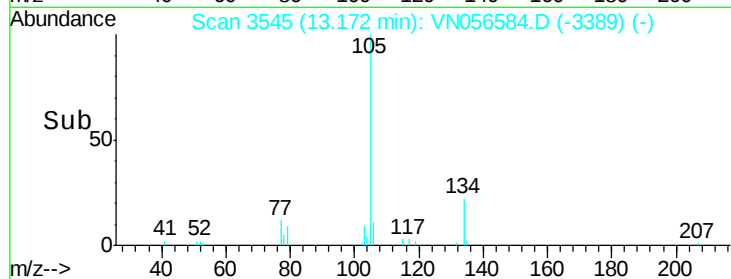
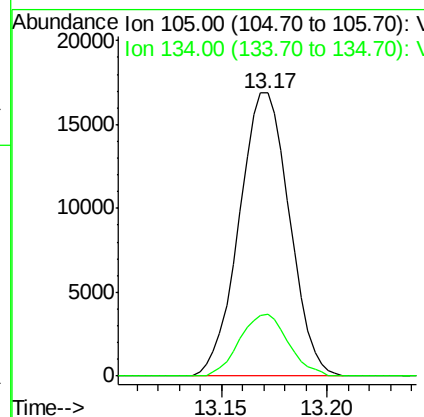
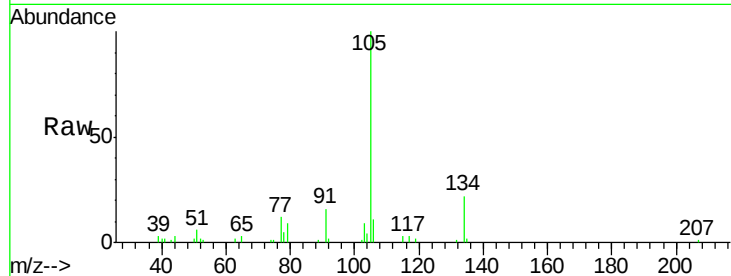
#81
 sec-Butylbenzene
 Concen: 2.250 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	41.8

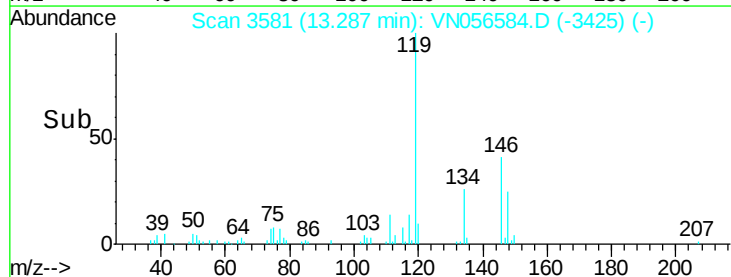
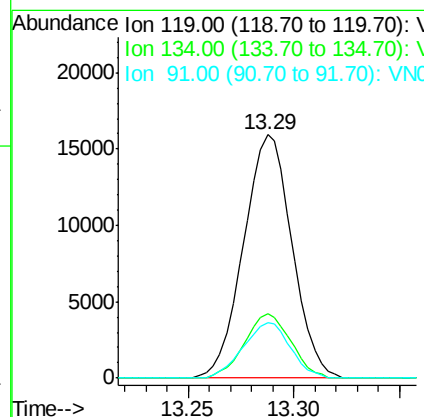
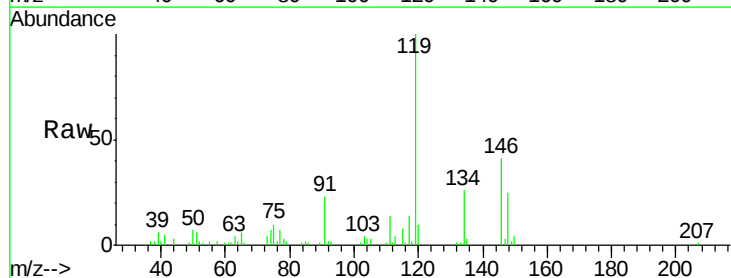
Manual Integrations
 APPROVED

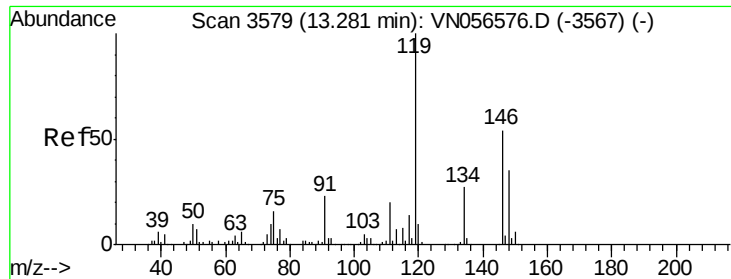
MMDadoda
 7/8/2019 10:05:15 AM



#82
 p-Isopropyltoluene
 Concen: 2.269 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	53.4
91	22.2	0.0	43.0





#83

1,3-Dichlorobenzene

Concen: 2.254 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

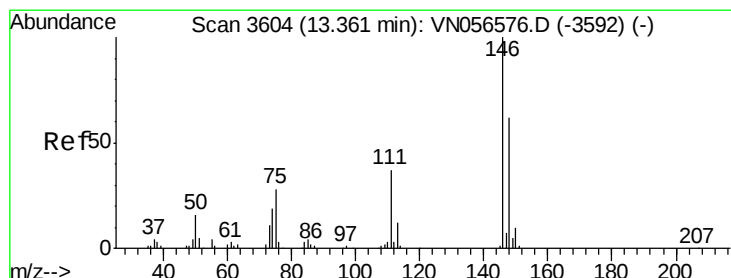
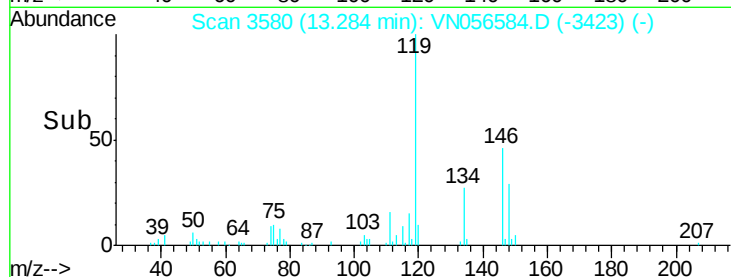
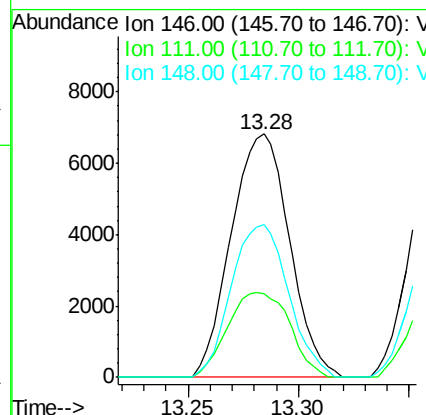
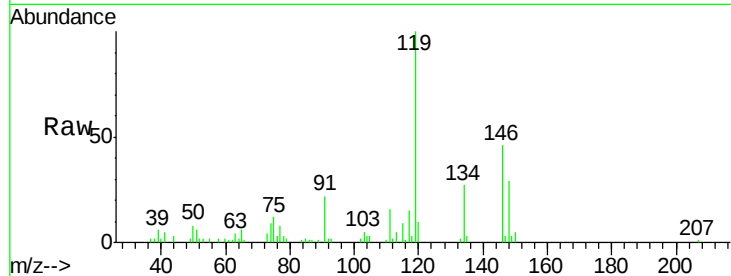
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	146	Resp:	12541
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.2	54.6
148	61.5	31.9	95.9

Manual Integrations
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7/8/2019 10:05:15 AM



#84

1,4-Dichlorobenzene

Concen: 2.135 ug/l

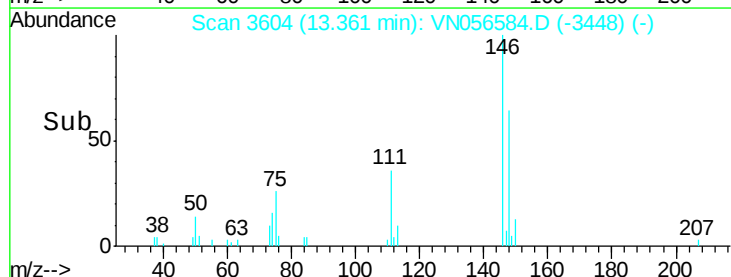
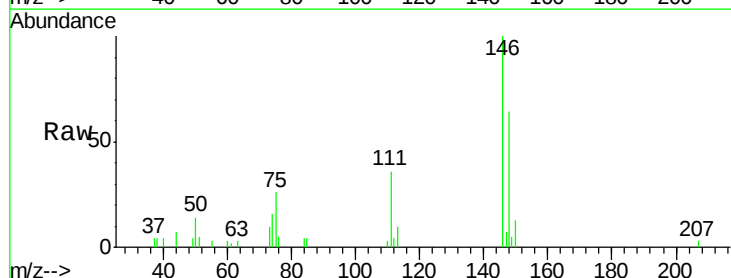
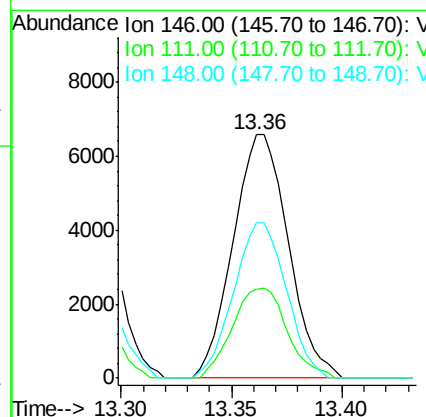
RT: 13.36 min Scan# 3604

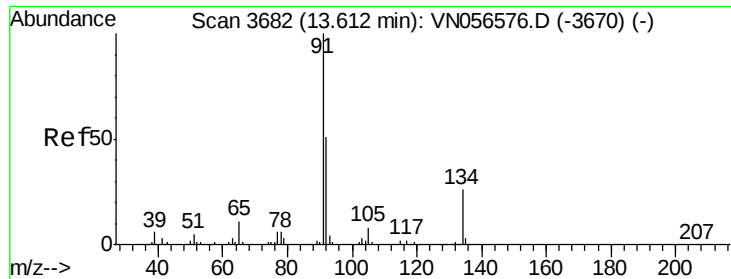
Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	146	Resp:	11458
Ion Ratio	Lower	Upper	
146	100		
111	36.8	17.6	52.9
148	60.7	32.1	96.3





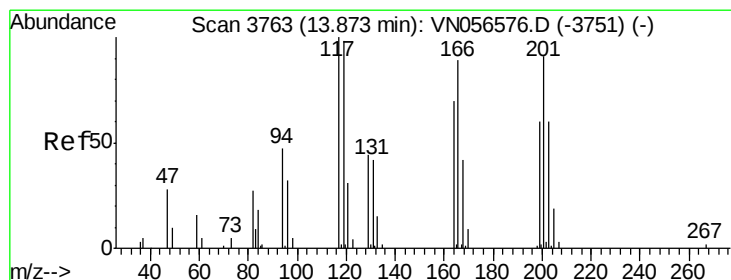
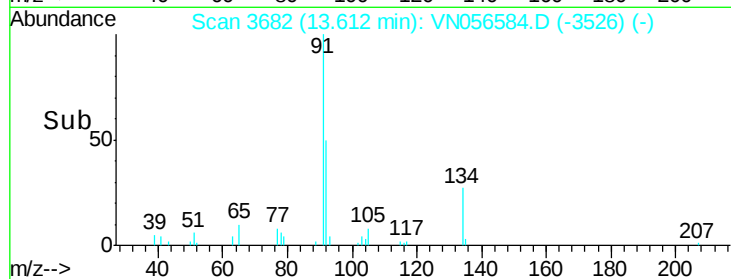
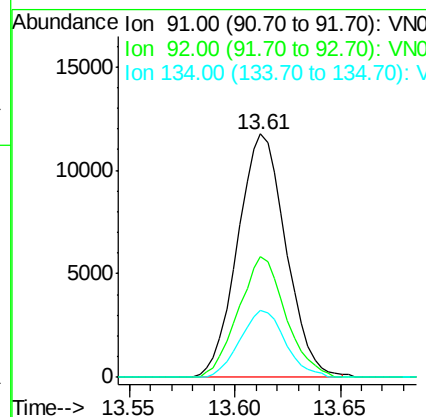
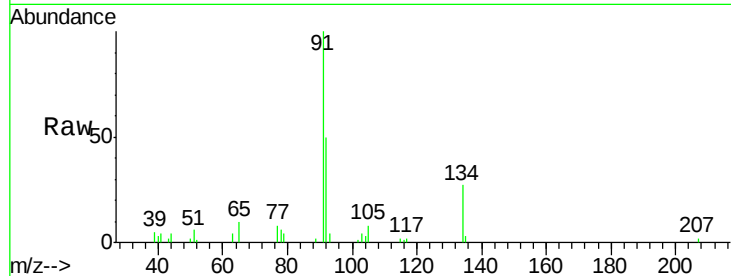
#85
n-Butylbenzene
Concen: 1.986 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	18696		
92	48.5	0.0	107.2	
134	25.7	0.0	55.8	

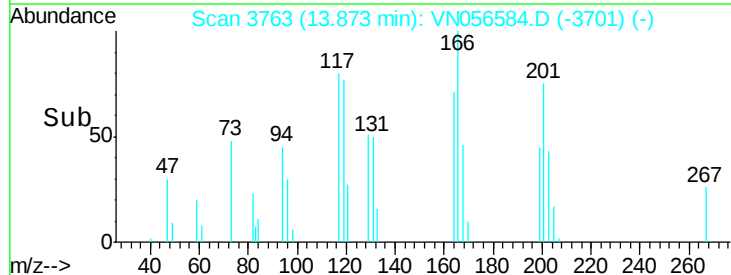
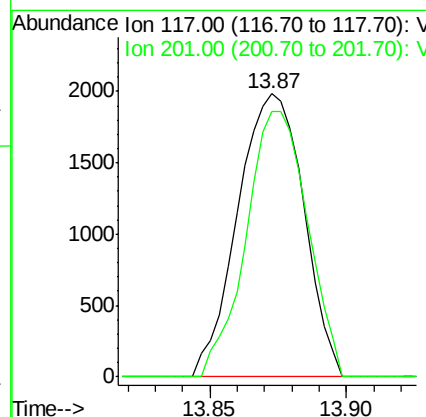
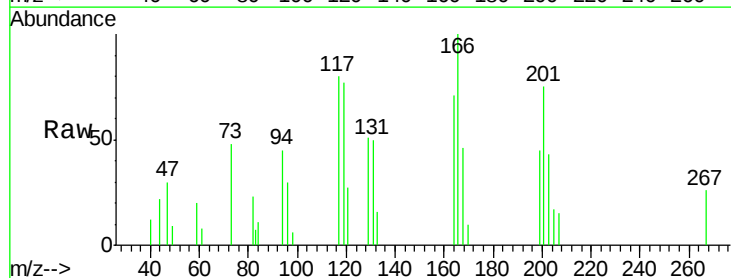
Manual Integrations
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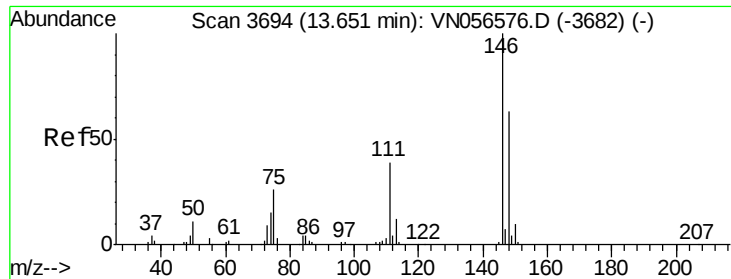
MMDadoda
7/8/2019 10:05:15 AM



#86
Hexachloroethane
Concen: 1.972 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056584.D
Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	3332		
201	87.1	48.1	144.4	





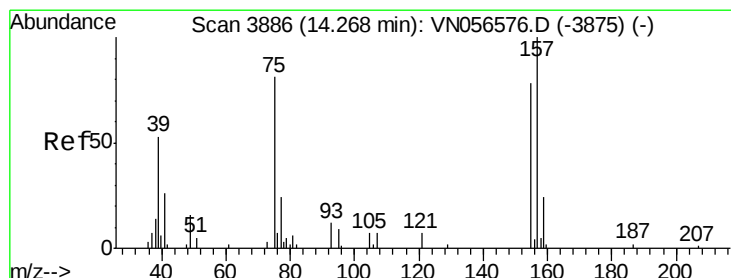
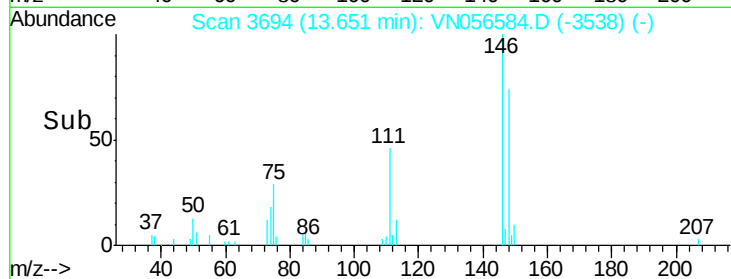
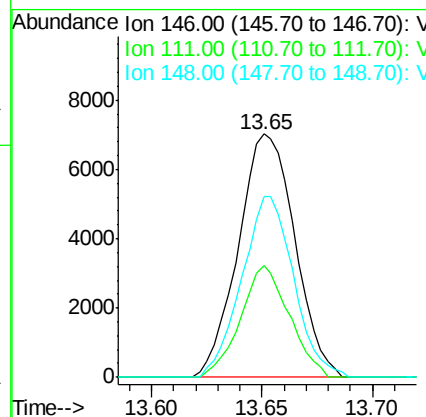
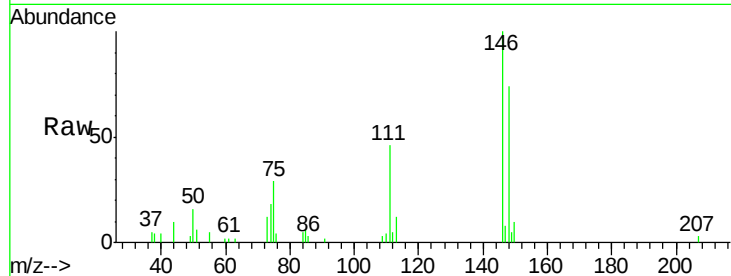
#87
 1,2-Dichlorobenzene
 Concen: 2.213 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	68.4	32.6	97.8

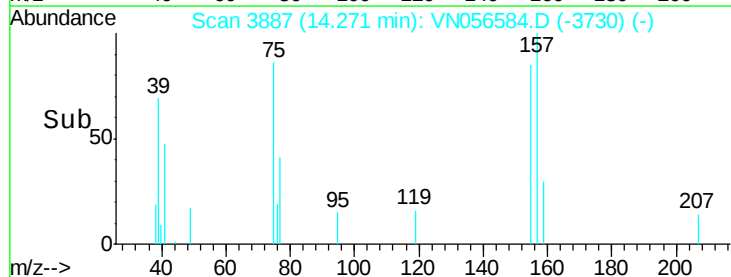
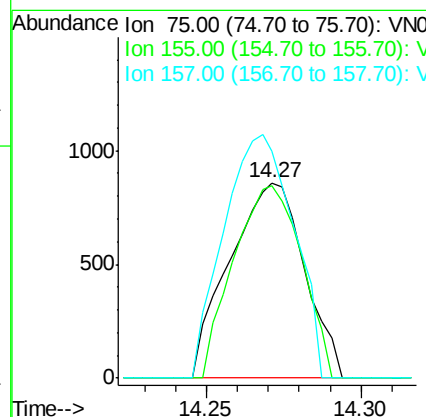
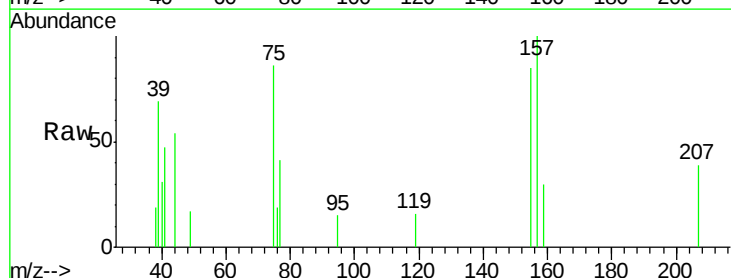
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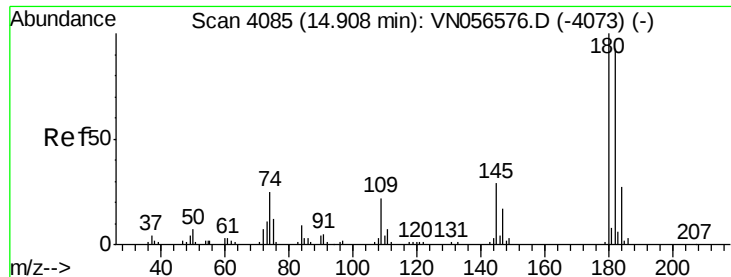
MMDadoda
 7/8/2019 10:05:15 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 1.874 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	82.5	123.7
157	117.1	105.1	157.7





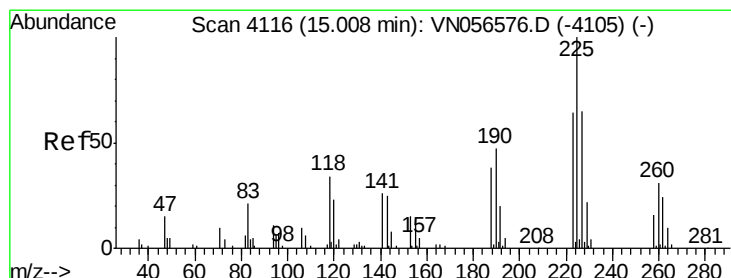
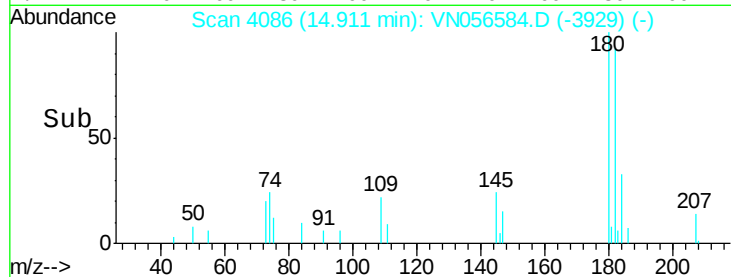
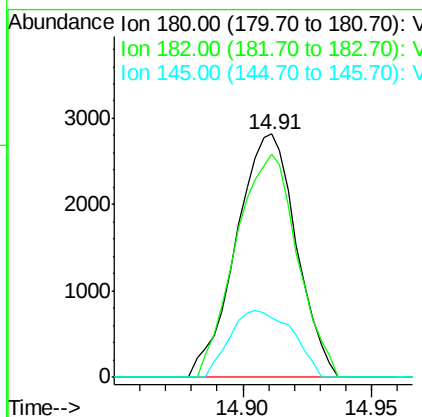
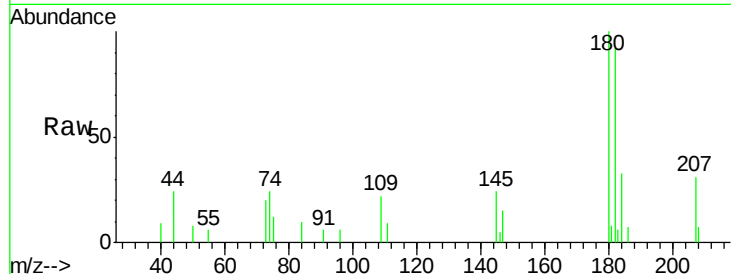
#89
 1,2,4-Trichlorobenzene
 Concen: 1.470 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.0	112.6
145	28.6	22.1	33.1

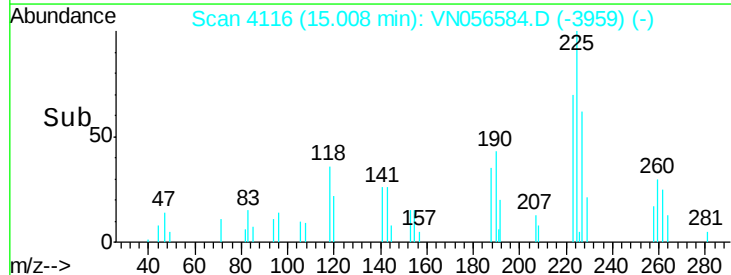
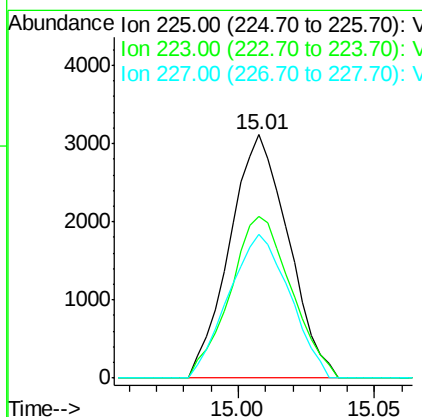
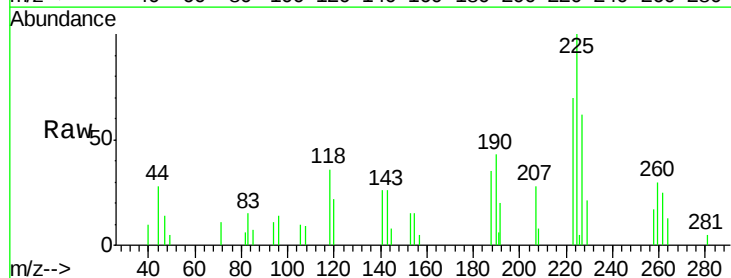
Manual Integrations
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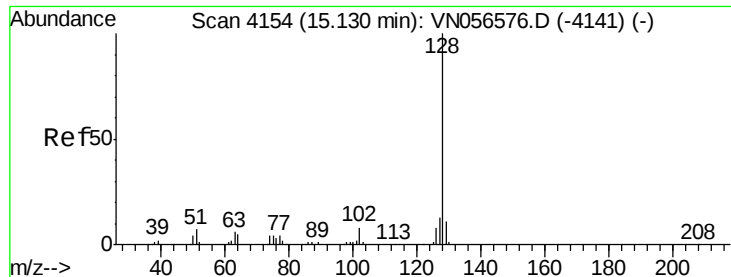
MMDadoda
 7/8/2019 10:05:15 AM



#90
 Hexachlorobutadiene
 Concen: 2.400 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056584.D
 Acq: 3 Jul 2019 13:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.8	0.0	125.6
227	61.5	0.0	128.6





#91

Naphthalene

Concen: 1.489 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Instrument :

MSVOA_N

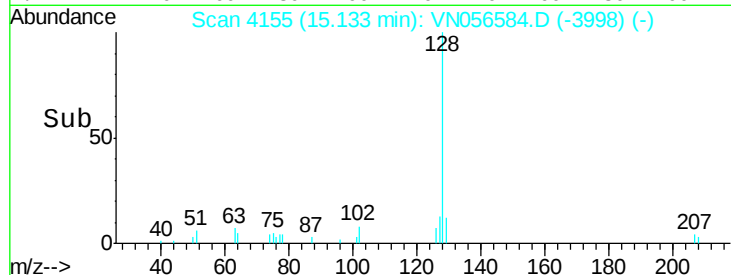
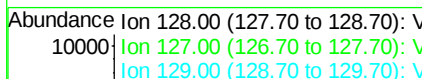
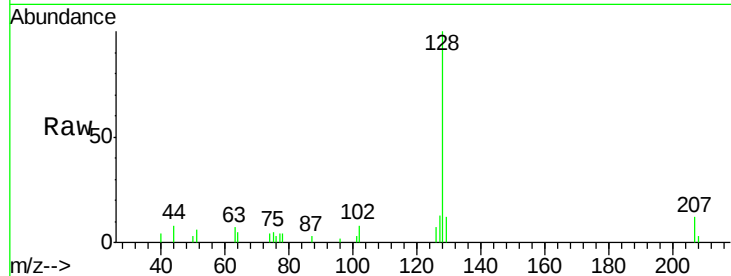
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

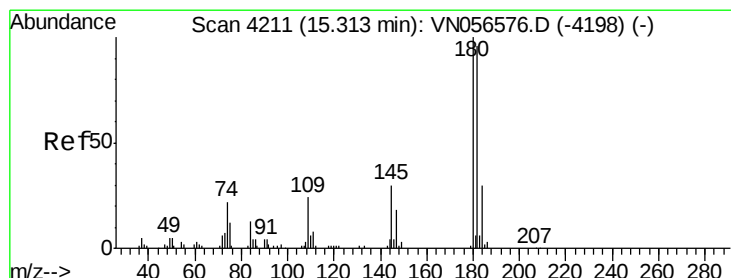
Tot Ion:	128	Resp:	13051
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.4	15.6
129	12.5	8.7	13.1

Manual Integrations
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MMDadoda
7/8/2019 10:05:15 AM



Time-->



#92

1,2,3-Trichlorobenzene

Concen: 1.911 ug/l

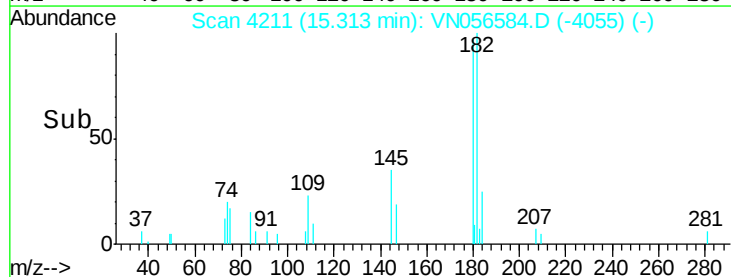
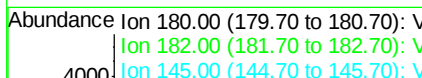
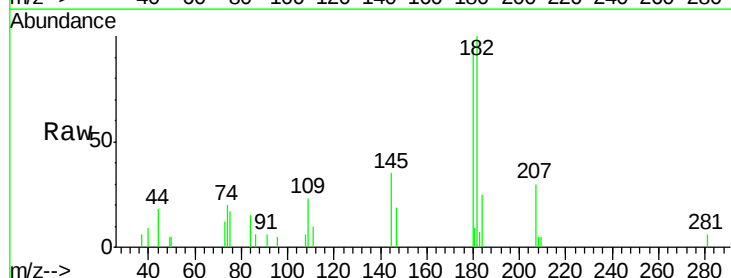
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056584.D

Acq: 3 Jul 2019 13:25

Tgt Ion:	180	Resp:	6263
Ion Ratio	Lower	Upper	
180	100		
182	94.7	0.0	193.4
145	29.1	0.0	59.8



Time-->