

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058752.D
 Acq On : 14 Oct 2019 16:11
 Operator : JC/SP
 Sample : K5111-07 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:03 AM

Quant Time: Oct 15 03:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	385740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244221	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	311264	57.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.28%	
35) Dibromofluoromethane	7.58	113	217432	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.08	98	801701	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.41	95	276688	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.84	85	1149	0.239	ug/l	96
3) Chloromethane	2.04	50	1744	0.305	ug/l	96
4) Vinyl Chloride	2.17	62	1237	0.217	ug/l #	84
5) Bromomethane	2.55	94	1181	0.341	ug/l	87
6) Chloroethane	2.69	64	976	0.278	ug/l #	73
7) Trichlorofluoromethane	3.00	101	1536	0.226	ug/l	96
8) Diethyl Ether	3.38	74	555m	0.221	ug/l	
10) Methyl Iodide	3.93	142	1165	0.220	ug/l #	78
11) Tert butyl alcohol	4.77	59	1276m	1.459	ug/l	
12) 1,1-Dichloroethene	3.71	96	918	0.248	ug/l #	61
13) Acrolein	3.60	56	839m	1.193	ug/l	
14) Allyl chloride	4.30	41	2310m	0.309	ug/l	
15) Acrylonitrile	4.98	53	2606m	1.182	ug/l	
16) Acetone	3.81	43	3792	1.696	ug/l #	86
17) Carbon Disulfide	4.02	76	3542	0.299	ug/l #	75
18) Methyl Acetate	4.31	43	2580	0.455	ug/l #	67
19) Methyl tert-butyl Ether	5.03	73	2955m	0.223	ug/l	
20) Methylene Chloride	4.53	84	1704m	0.365	ug/l	
21) trans-1,2-Dichloroethene	5.02	96	993m	0.240	ug/l	
22) Diisopropyl ether	5.93	45	3198m	0.220	ug/l	
23) Vinyl Acetate	5.88	43	11181	0.953	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1800m	0.217	ug/l	
25) 2-Butanone	6.84	43	4148m	1.284	ug/l	
26) 2,2-Dichloropropane	6.80	77	2706	0.358	ug/l #	59
27) cis-1,2-Dichloroethene	6.82	96	1137	0.235	ug/l	67
29) Tetrahydrofuran	7.21	42	2448m	1.172	ug/l	
30) Chloroform	7.36	83	2673m	0.321	ug/l	
31) Cyclohexane	7.65	56	10519	1.328	ug/l #	16
32) 1,1,1-Trichloroethane	7.55	97	1546	0.218	ug/l #	50
36) 1,1-Dichloropropene	7.78	75	1781	0.273	ug/l #	50
37) Ethyl Acetate	6.92	43	1826m	0.277	ug/l	
38) Carbon Tetrachloride	7.75	117	1574	0.248	ug/l #	80
39) Methylcyclohexane	9.07	83	1624	0.215	ug/l #	84
40) Benzene	8.03	78	4515	0.241	ug/l	94

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Manual Integrations
 APPROVED

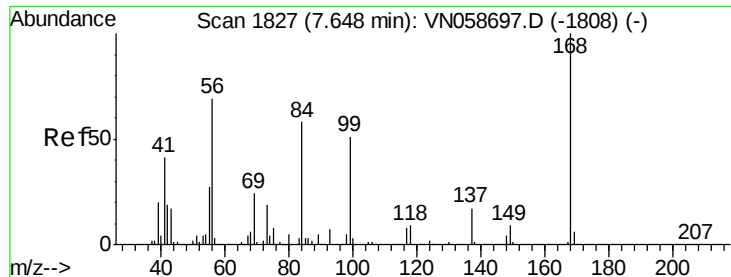
MMDadoda
 10/16/2019 12:57:03 AM

Quant Time: Oct 15 03:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.10	62	2356m	0.327	ug/l	
43) Isopropyl Acetate	8.16	43	2712	0.241	ug/l #	72
44) Trichloroethene	8.82	130	1133	0.244	ug/l	66
45) 1,2-Dichloropropane	9.11	63	1100	0.219	ug/l #	45
46) Dibromomethane	9.20	93	759	0.239	ug/l #	26
47) Bromodichloromethane	9.38	83	1571	0.243	ug/l #	75
48) Methyl methacrylate	9.19	41	1156	0.227	ug/l #	63
49) 1,4-Dioxane	9.20	88	296	3.757	ug/l #	58
51) 4-Methyl-2-Pentanone	9.98	43	6420	1.017	ug/l	94
52) Toluene	10.16	92	2351	0.205	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2392	0.322	ug/l #	1
54) cis-1,3-Dichloropropene	9.83	75	1581	0.201	ug/l #	53
55) 1,1,2-Trichloroethane	10.56	97	1112	0.237	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	1940	0.243	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	2561	0.776	ug/l #	84
59) 2-Hexanone	10.75	43	5125	1.051	ug/l	84
64) Tetrachloroethene	10.63	164	1256	0.308	ug/l #	85
65) Chlorobenzene	11.43	112	2817	0.238	ug/l	96
67) Ethyl Benzene	11.51	91	4938	0.234	ug/l #	85
68) m/p-Xylenes	11.62	106	3242	0.409	ug/l	99
69) o-Xylene	11.95	106	1544	0.201	ug/l	94
71) Bromoform	12.12	173	660	0.206	ug/l #	28
73) Isopropylbenzene	12.25	105	3988	0.225	ug/l	93
74) N-amyl acetate	12.08	43	1648	0.207	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	1553	0.267	ug/l	95
76) 1,2,3-Trichloropropane	12.56	75	2267m	0.423	ug/l	
77) Bromobenzene	12.52	156	1014	0.236	ug/l	59
78) n-propylbenzene	12.60	91	4745	0.230	ug/l	98
79) 2-Chlorotoluene	12.68	91	3318	0.259	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3550	0.235	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	716m	0.358	ug/l	
82) 4-Chlorotoluene	12.78	91	3205	0.244	ug/l	99
83) tert-Butylbenzene	13.00	119	2885	0.223	ug/l	98
85) sec-Butylbenzene	13.18	105	3470	0.204	ug/l	88
86) p-Isopropyltoluene	13.29	119	3178	0.205	ug/l	87
87) 1,3-Dichlorobenzene	13.28	146	1822	0.230	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	2445m	0.303	ug/l	
89) n-Butylbenzene	13.62	91	3091	0.216	ug/l	88
90) Hexachloroethane	13.88	117	618m	0.223	ug/l	
91) 1,2-Dichlorobenzene	13.67	146	2051	0.265	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	576	0.423	ug/l #	26
93) 1,2,4-Trichlorobenzene	14.92	180	1165	0.247	ug/l	95
94) Hexachlorobutadiene	15.02	225	570	0.229	ug/l	92
95) Naphthalene	15.13	128	3826	0.282	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.30	180	1246	0.271	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:168 Resp: 385740

Ion Ratio Lower Upper

168 100

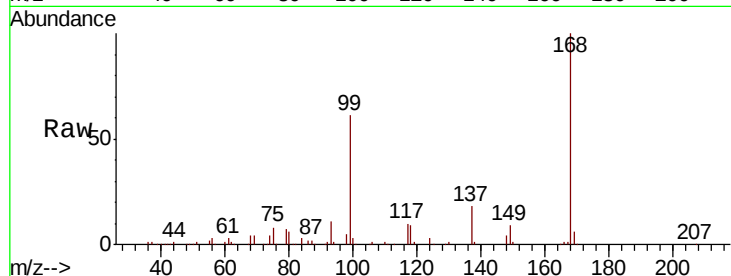
99 60.9 47.5 71.3

Manual Integrations

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10/16/2019 12:57:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

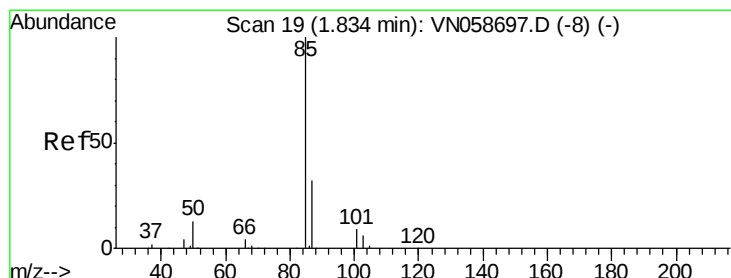
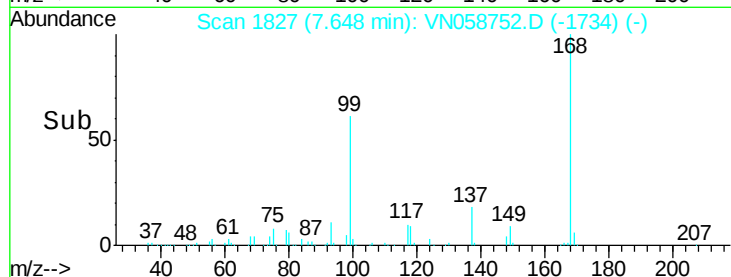
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.239 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058752.D

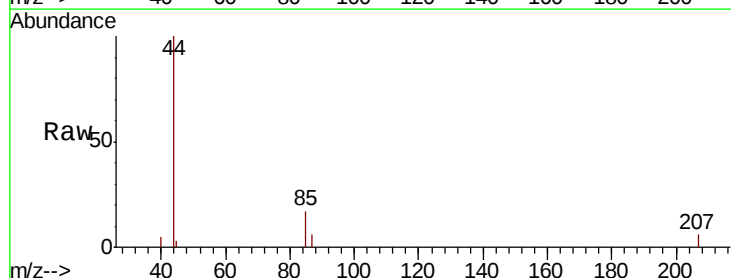
Acq: 14 Oct 2019 16:11

Tgt Ion: 85 Resp: 1149

Ion Ratio Lower Upper

85 100

87 34.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000

800

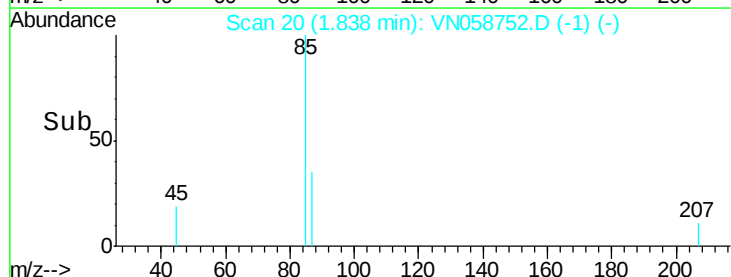
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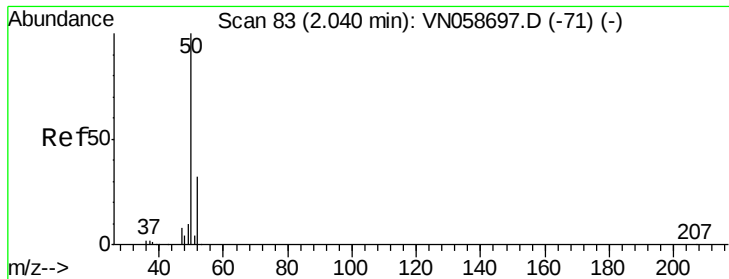
400

200

0

Time-->





#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 50 Resp: 1744

Ion Ratio Lower Upper

50 100

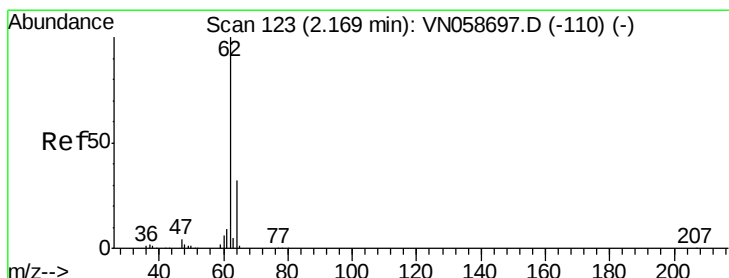
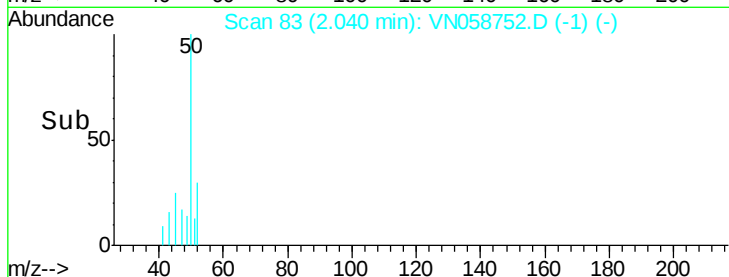
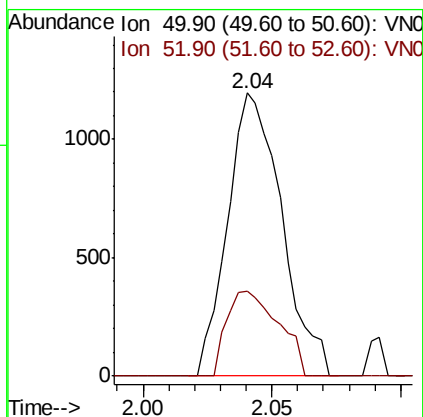
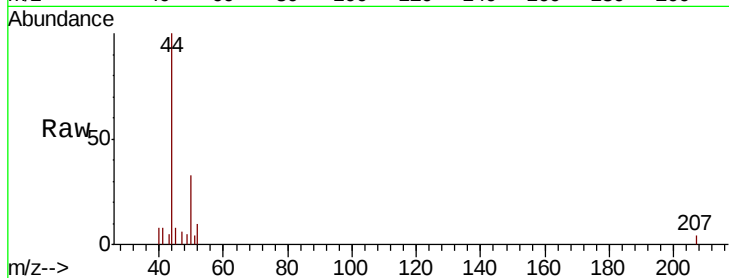
52 29.9 25.8 38.6

Manual Integrations

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10/16/2019 12:57:03 AM



#4

Vinyl Chloride

Concen: 0.217 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058752.D

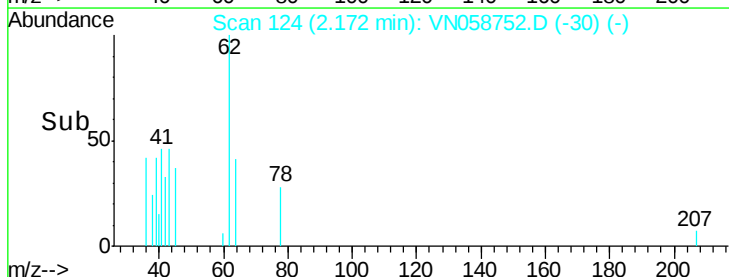
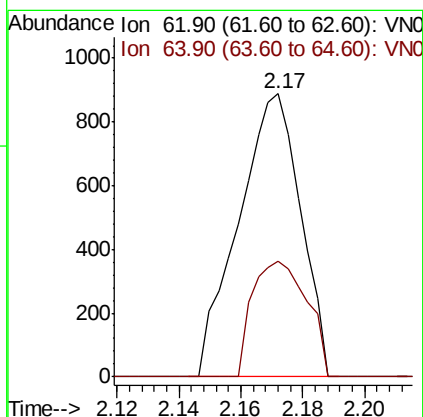
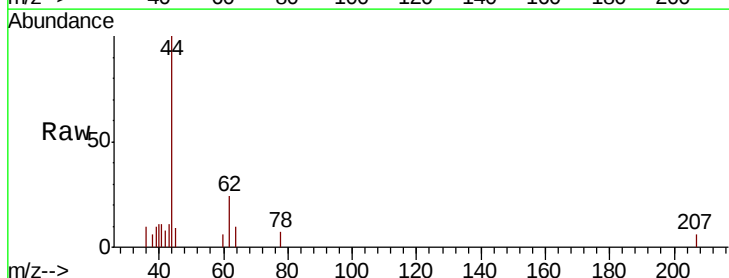
Acq: 14 Oct 2019 16:11

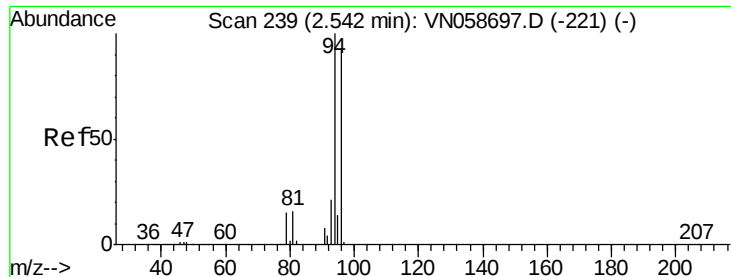
Tgt Ion: 62 Resp: 1237

Ion Ratio Lower Upper

62 100

64 40.7 25.3 37.9#





#5

Bromomethane

Concen: 0.341 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 94 Resp: 1181

Ion Ratio Lower Upper

94 100

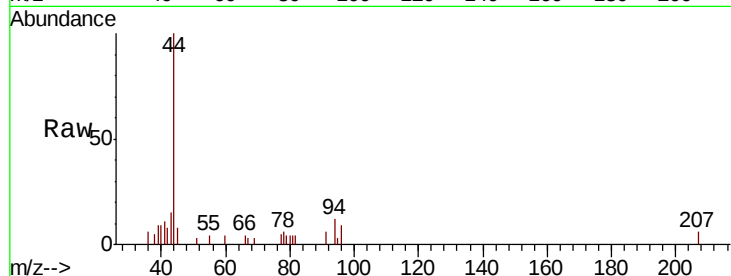
96 80.9 74.5 111.7

Manual Integrations

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MMDadoda

10/16/2019 12:57:03 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

600

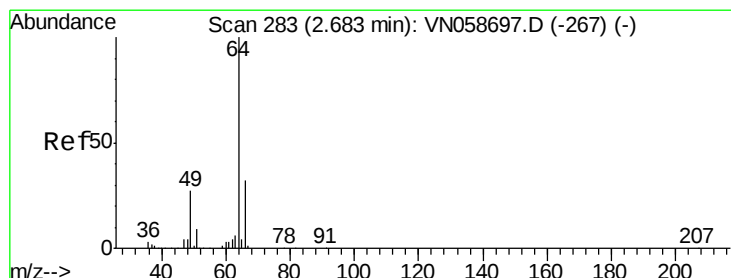
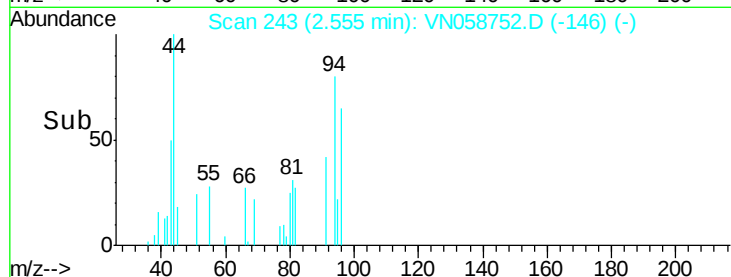
400

200

0

2.50 2.52 2.54 2.56 2.58

Time-->



#6

Chloroethane

Concen: 0.278 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN058752.D

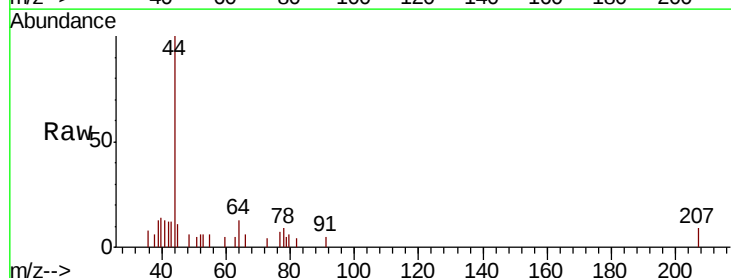
Acq: 14 Oct 2019 16:11

Tgt Ion: 64 Resp: 976

Ion Ratio Lower Upper

64 100

66 47.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.69

500

400

300

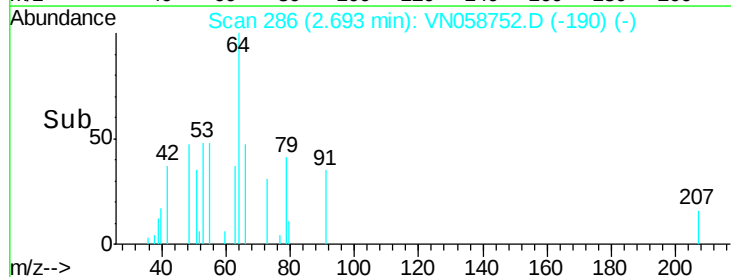
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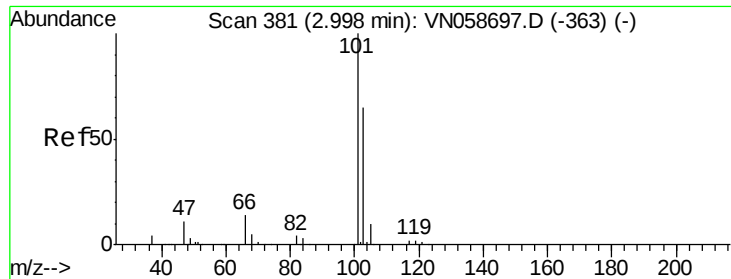
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0

2.65 2.70

Time-->





#7

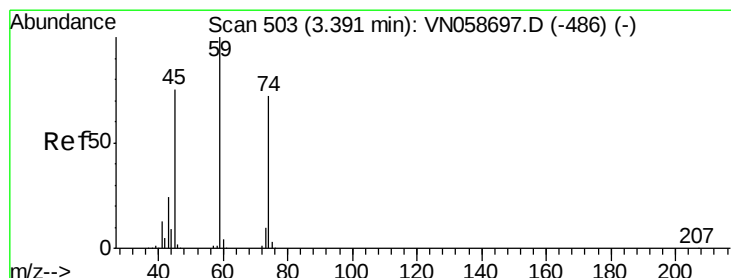
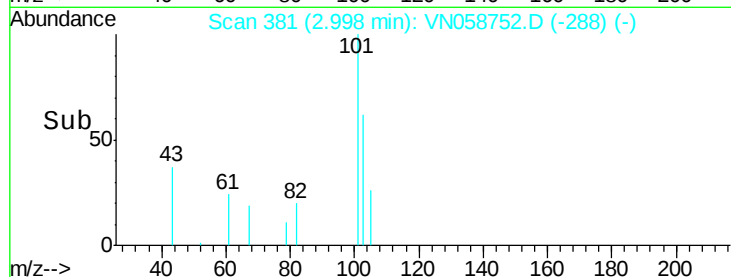
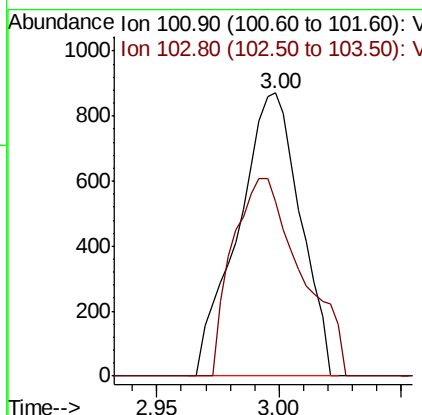
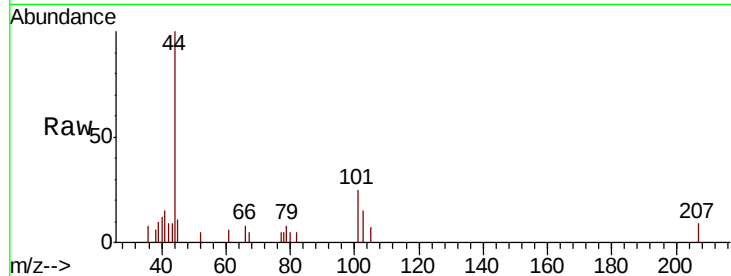
Trichlorofluoromethane
 Concen: 0.226 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		1536		
103	61.5	51.8	77.6		

Manual Integrations
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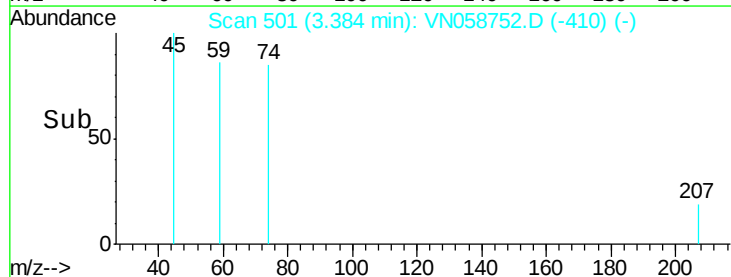
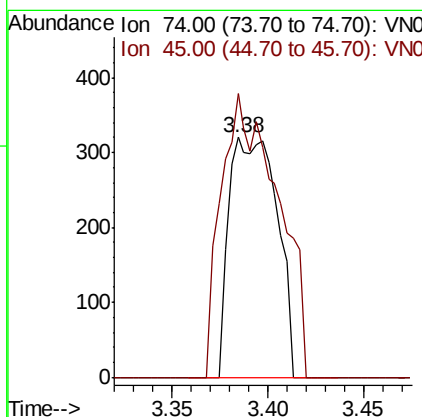
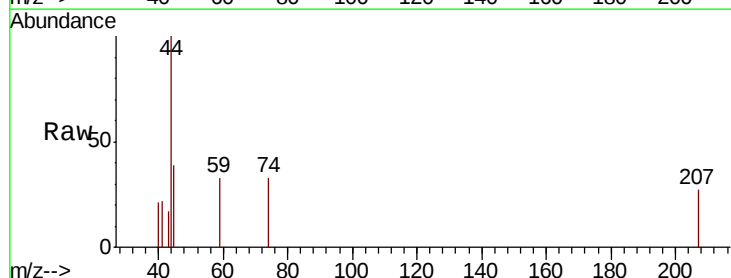
MMDadoda
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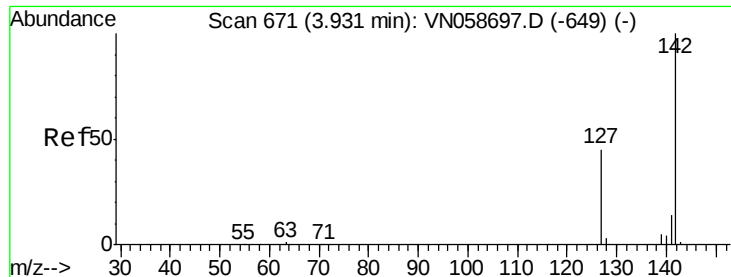


#8

Diethyl Ether
 Concen: 0.221 ug/l m
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		555		
45	138.2	51.3	154.0		





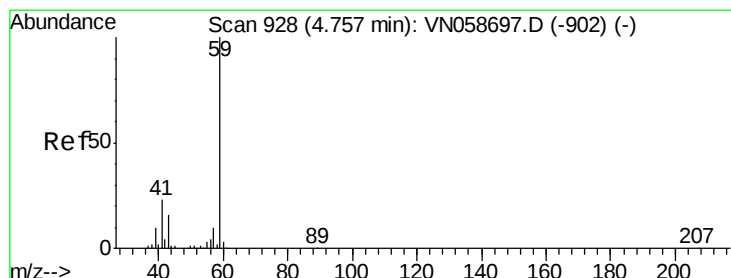
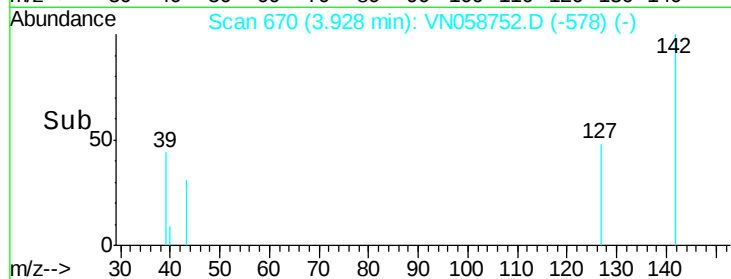
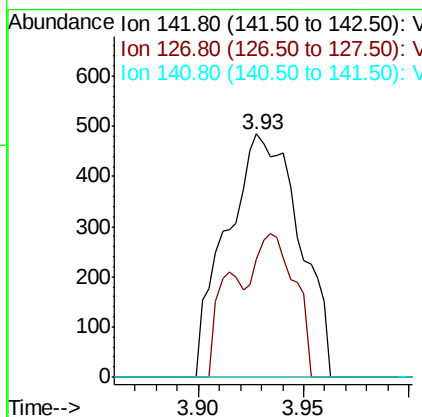
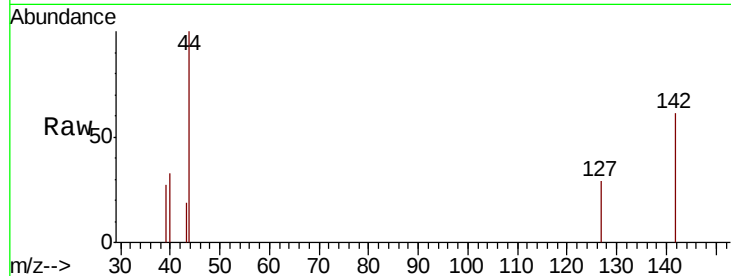
#10
Methvl Iodide
Concen: 0.220 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
142	100		
127	33.8	36.4	54.6#
141	0.0	11.1	16.7#

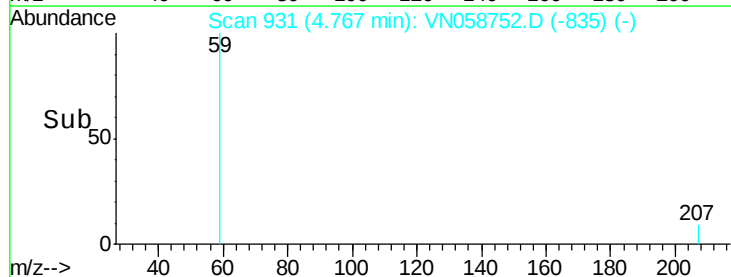
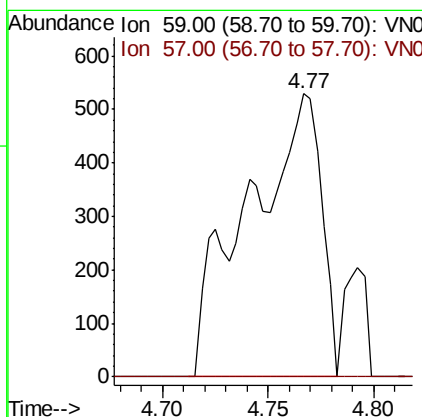
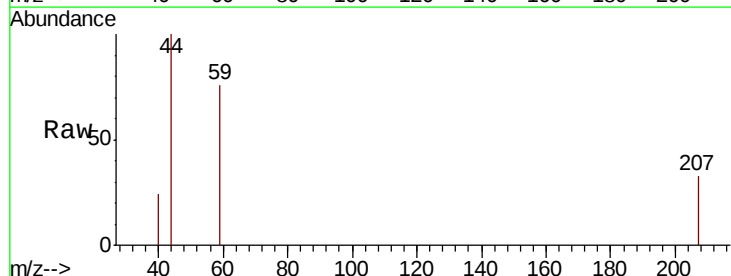
Manual Integrations
APPROVED

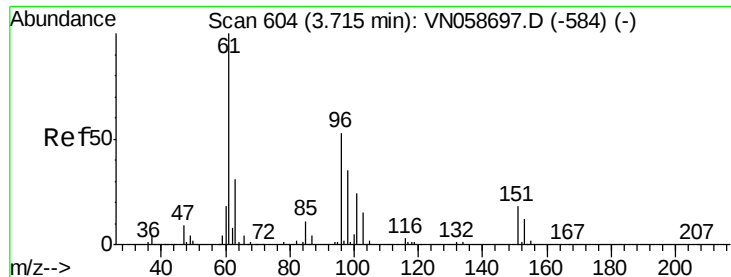
MMDadoda
10/16/2019 12:57:03 AM



#11
Tert butyl alcohol
Concen: 1.459 ug/l m
RT: 4.77 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#





#12

1,1-Dichloroethene

Concen: 0.248 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

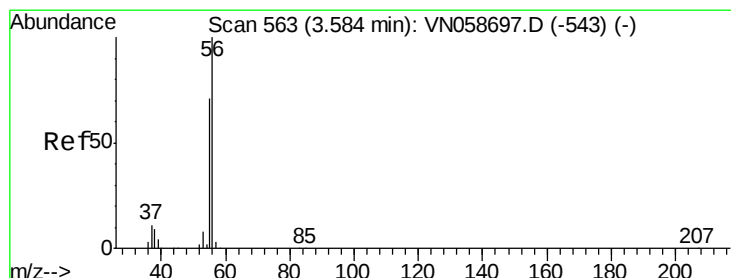
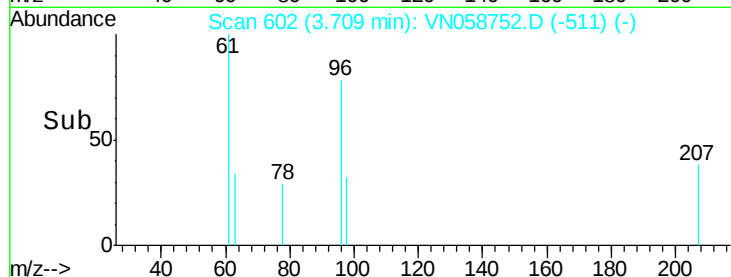
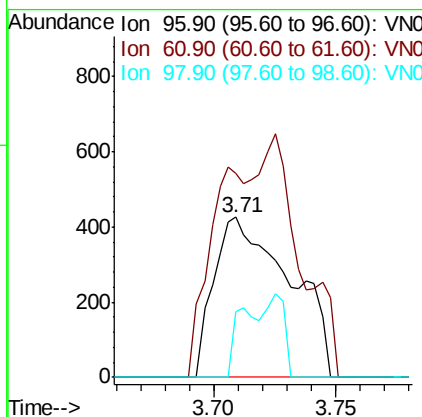
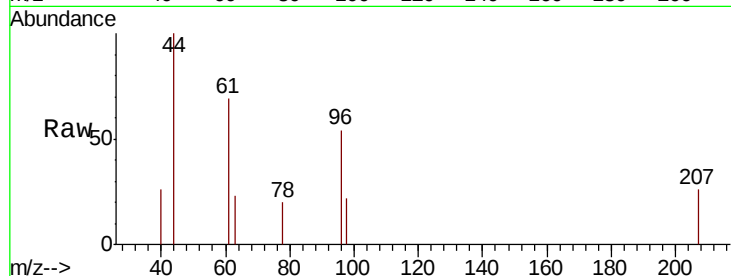
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	96	Resp:	918
Ion	Ratio	Lower	Upper
96	100		
61	127.5	151.3	226.9#
98	41.1	52.6	78.8#

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#13

Acrolein

Concen: 1.193 ug/l m

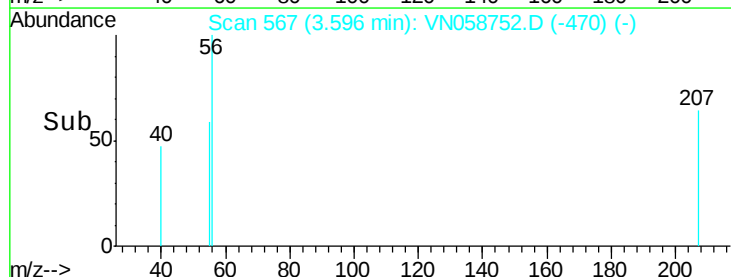
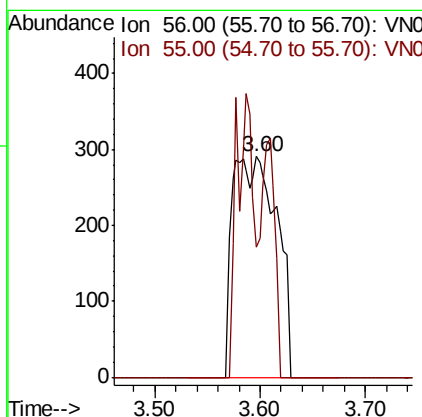
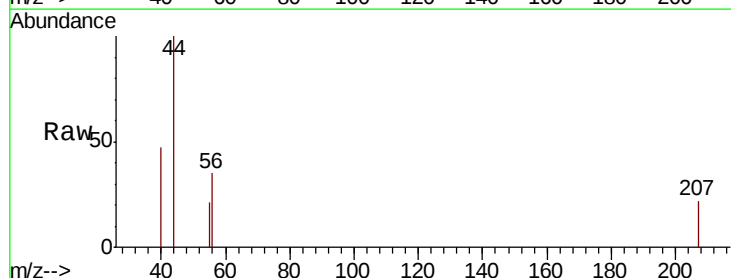
RT: 3.60 min Scan# 567

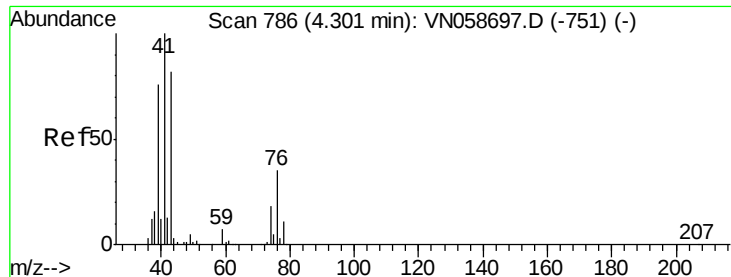
Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	56	Resp:	839
Ion	Ratio	Lower	Upper
56	100		
55	50.4	56.7	85.1#





#14

Allvl chloride

Concen: 0.309 ug/l m

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

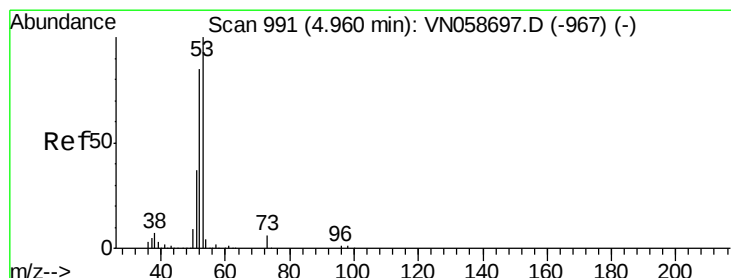
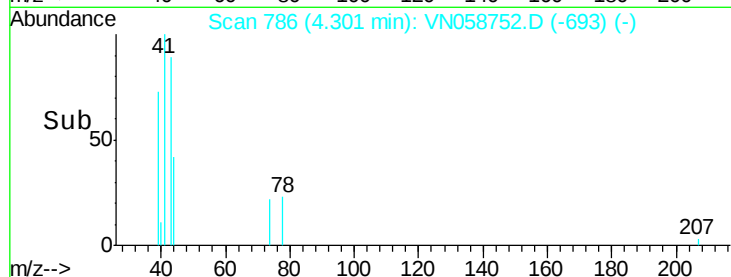
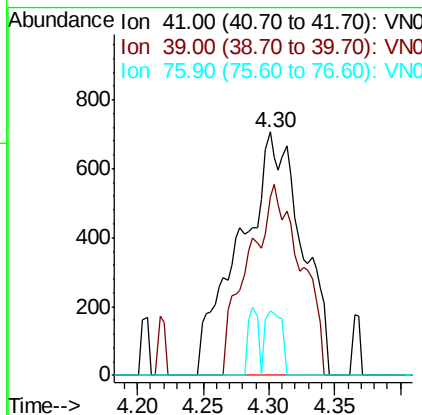
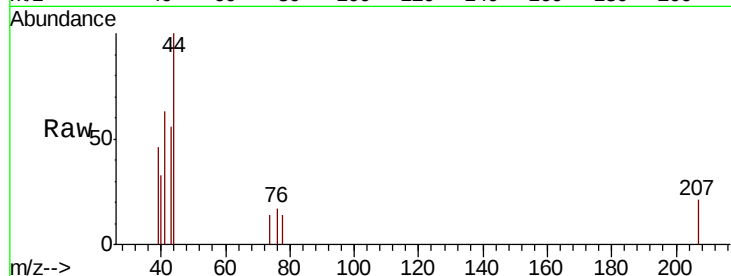
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	41	Resp:	2310
Ion	Ratio	Lower	Upper
41	100		
39	66.7	57.2	85.8
76	7.2	25.0	37.6#

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#15

Acrylonitrile

Concen: 1.182 ug/l m

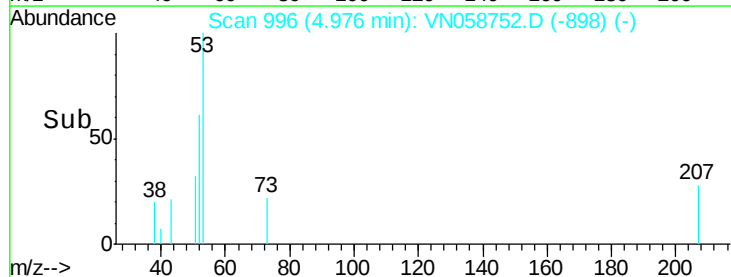
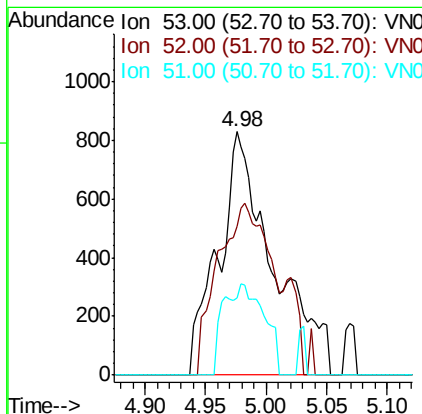
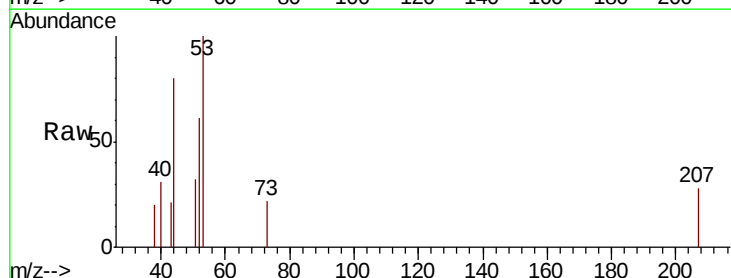
RT: 4.98 min Scan# 996

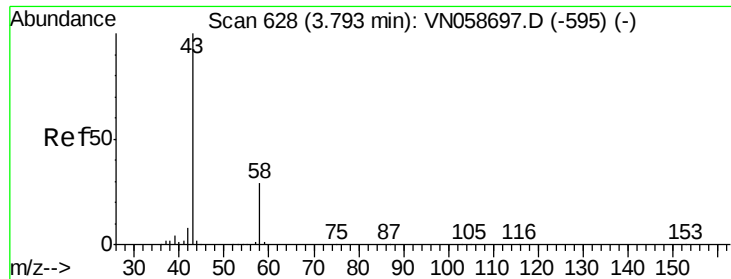
Delta R.T. 0.02 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	53	Resp:	2606
Ion	Ratio	Lower	Upper
53	100		
52	0.0	66.2	99.2#
51	0.0	29.4	44.2#





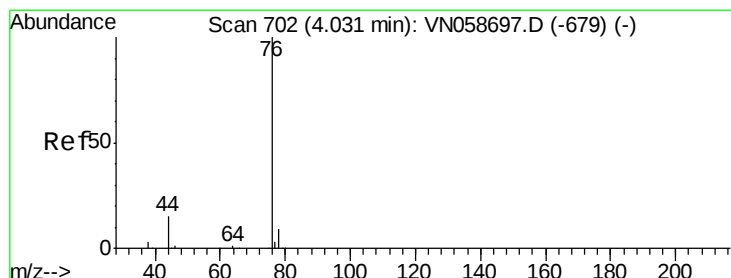
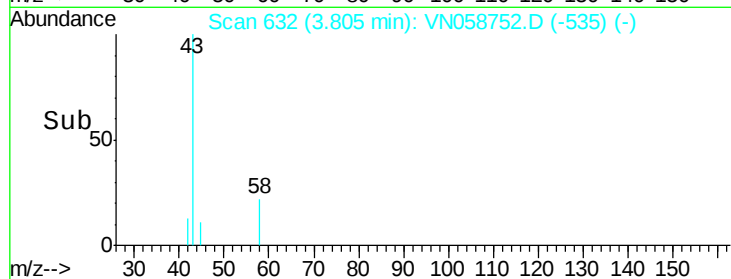
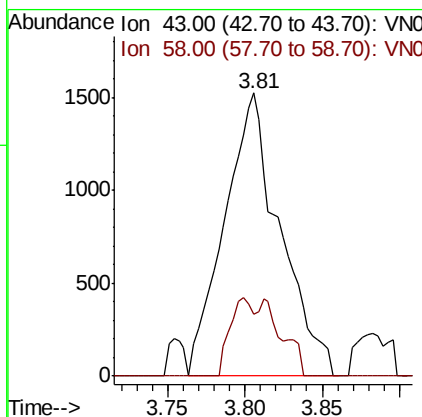
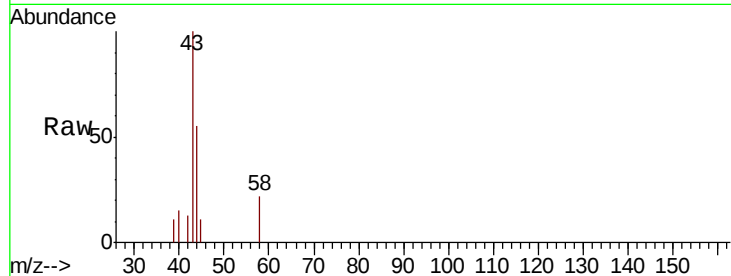
#16
Acetone
Concen: 1.696 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 3792
Ion Ratio Lower Upper
43 100
58 21.8 23.3 34.9#

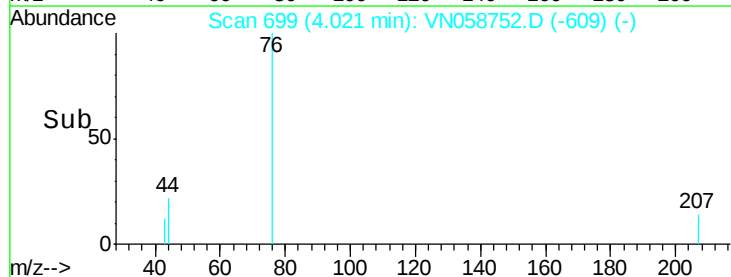
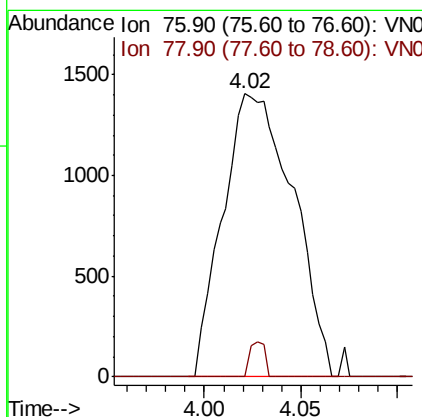
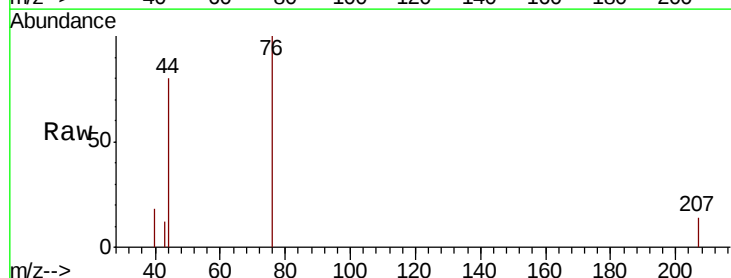
Manual Integrations
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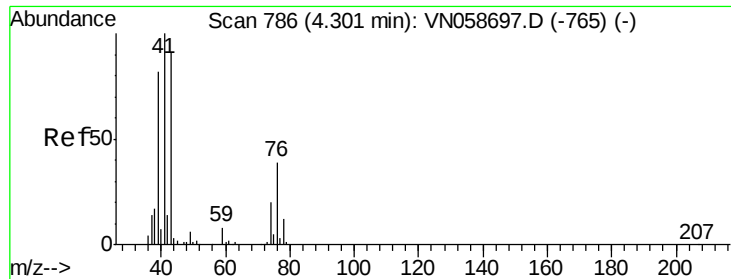
MMDadoda
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#17
Carbon Disulfide
Concen: 0.299 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 76 Resp: 3542
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





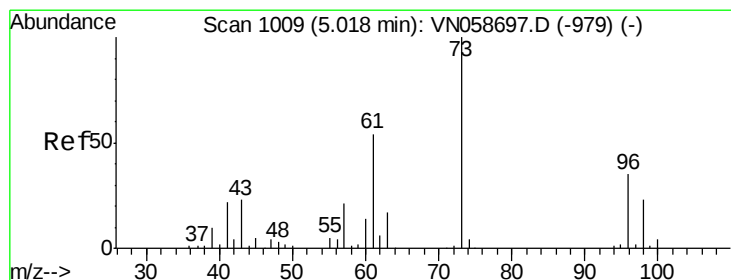
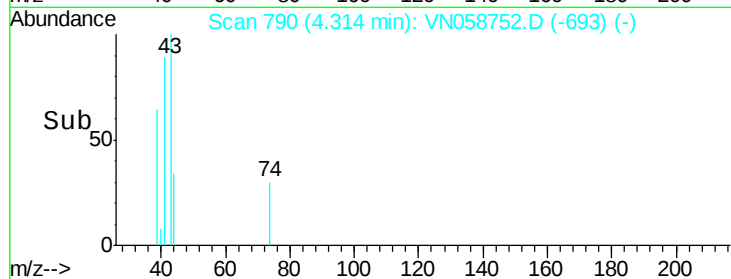
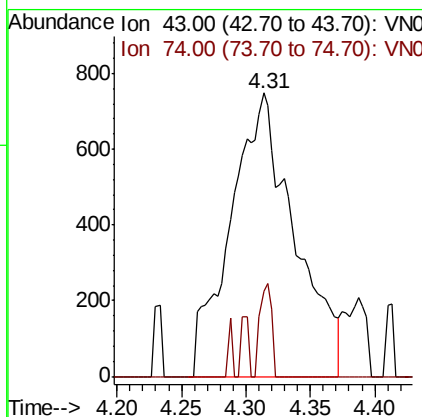
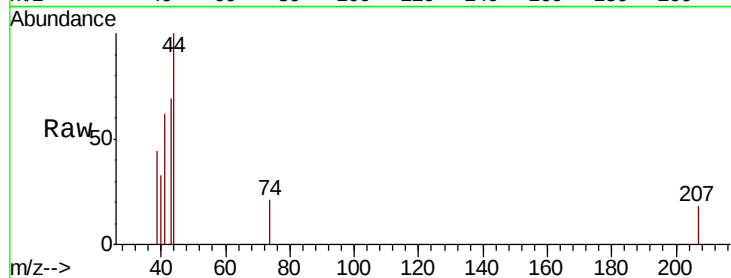
#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
74 6.0 17.2 25.8#

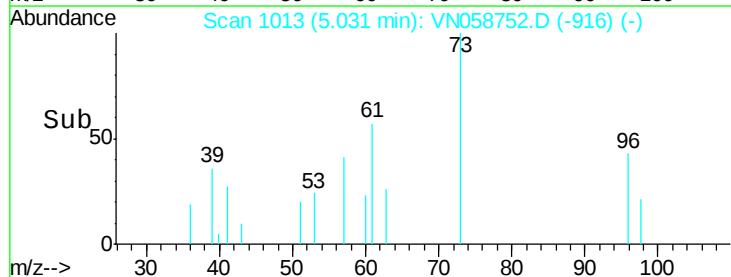
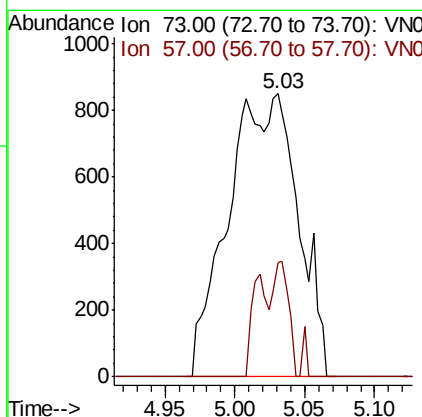
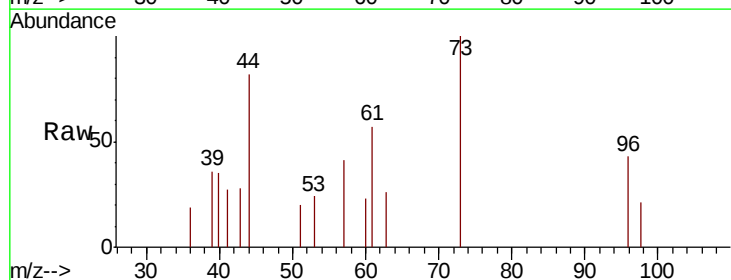
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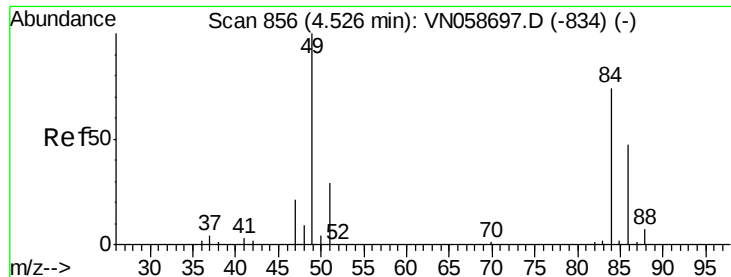
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#19
Methyl tert-butyl Ether
Concen: 0.223 ug/l m
RT: 5.03 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 73 Resp: 2955
Ion Ratio Lower Upper
73 100
57 40.6 17.0 25.6#





#20

Methvlene Chloride

Concen: 0.365 ug/l m

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 84 Resp: 1704

Ion Ratio Lower Upper

84 100

49 114.0 107.6 161.4

51 40.1 31.4 47.0

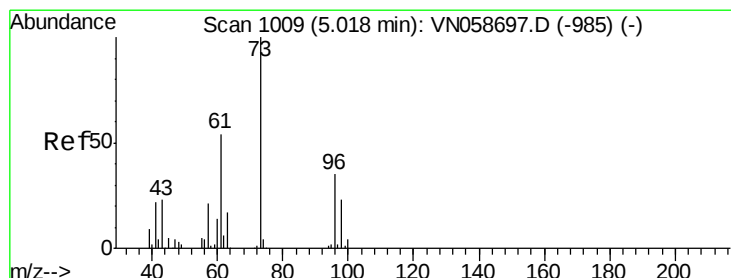
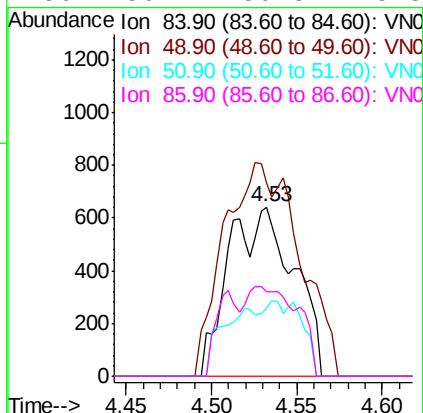
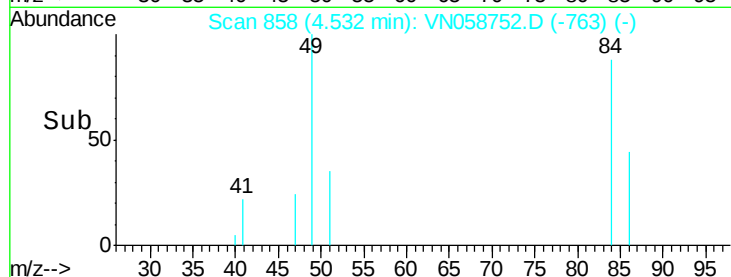
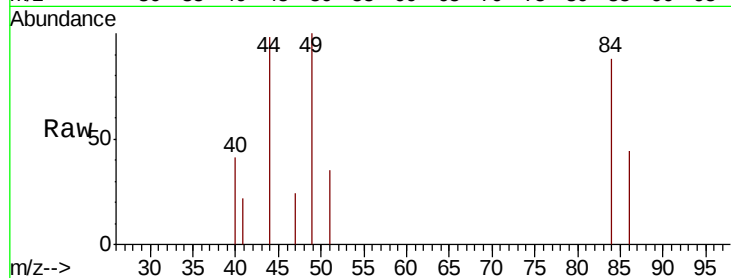
86 50.2 50.3 75.5#

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#21

trans-1,2-Dichloroethene

Concen: 0.240 ug/l m

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

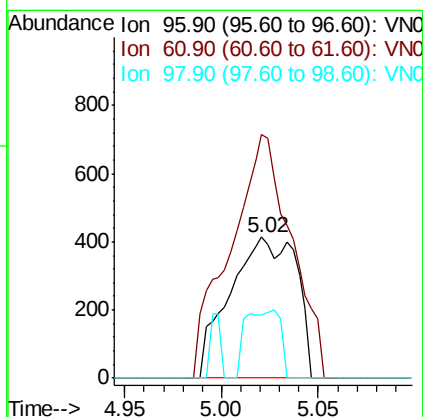
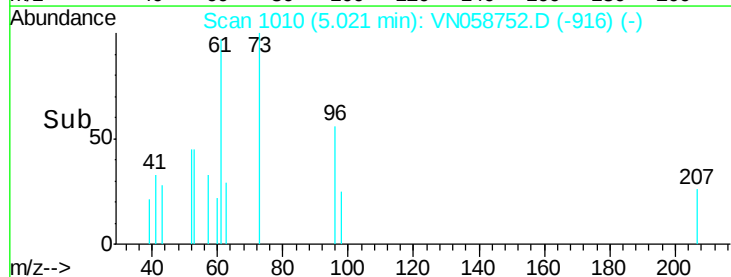
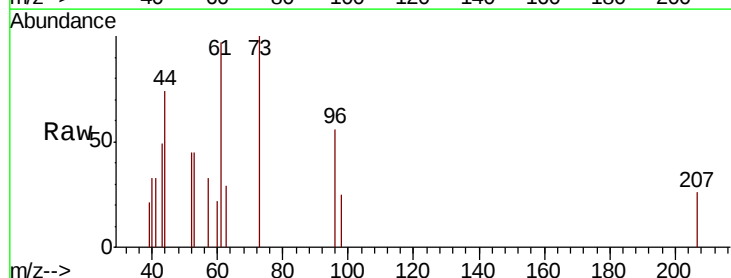
Tgt Ion: 96 Resp: 993

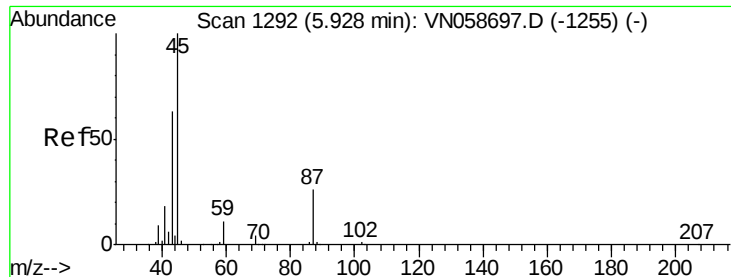
Ion Ratio Lower Upper

96 100

61 172.9 123.6 185.4

98 44.6 52.1 78.1#





#22

Diisopropyl ether

Concen: 0.220 ug/l m

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

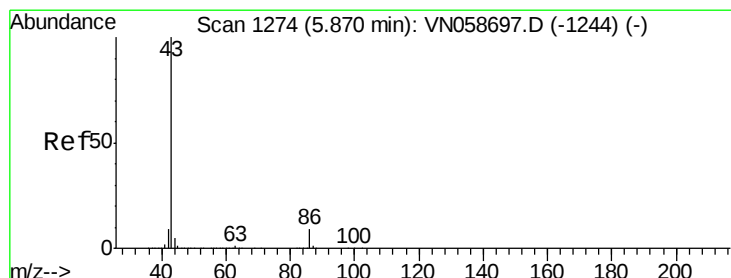
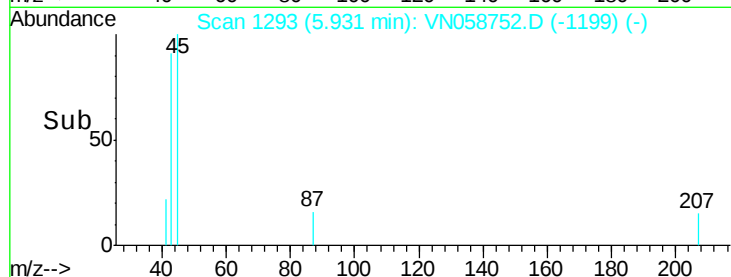
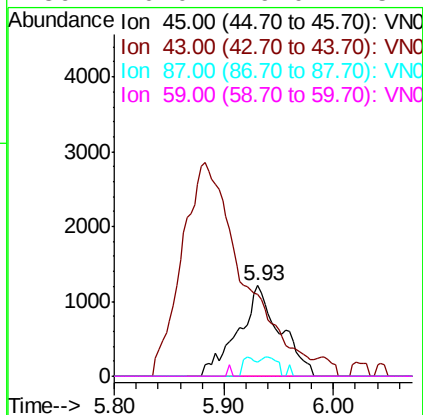
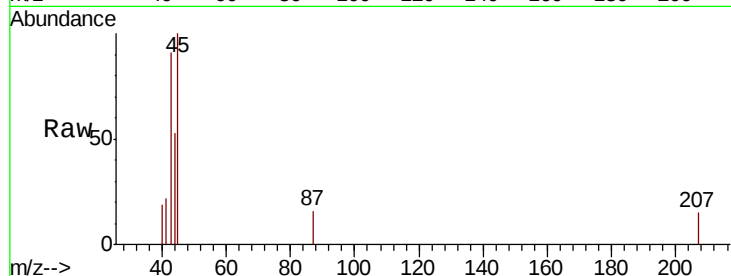
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	45	Resp:	3198
Ion	Ratio	Lower	Upper
45	100		
43	90.6	50.6	75.8#
87	15.8	21.1	31.7#
59	0.0	9.0	13.4#

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#23

Vinyl Acetate

Concen: 0.953 ug/l

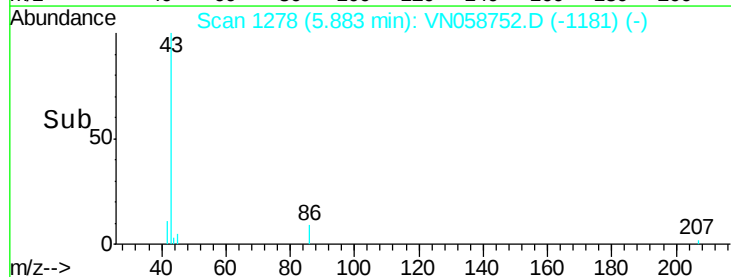
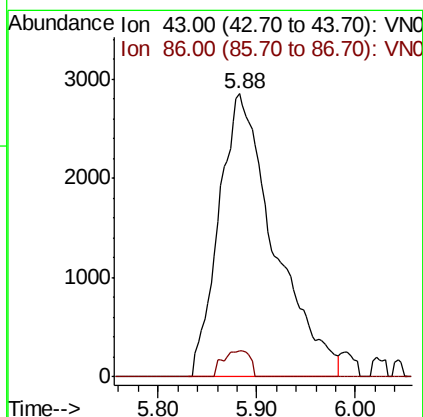
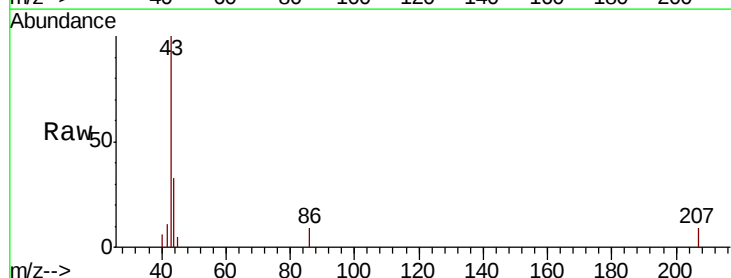
RT: 5.88 min Scan# 1278

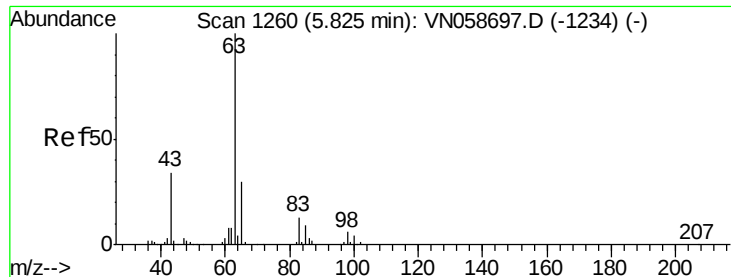
Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	43	Resp:	11181
Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.4	11.0





#24

1,1-Dichloroethane

Concen: 0.217 ug/l m

RT: 5.84 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

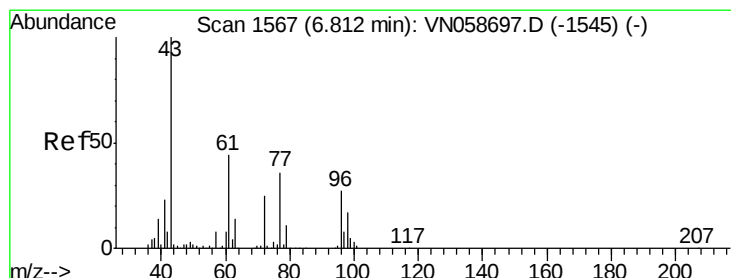
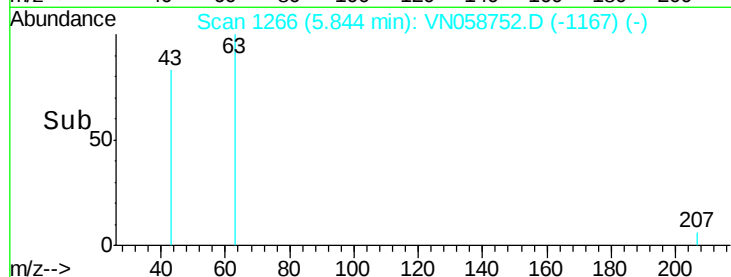
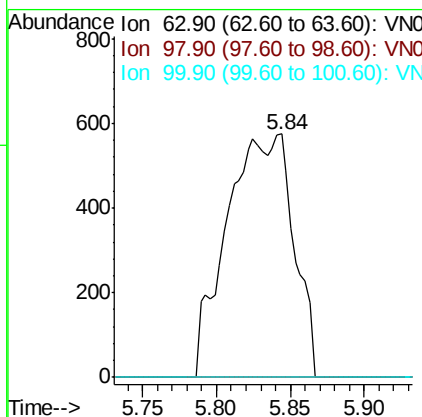
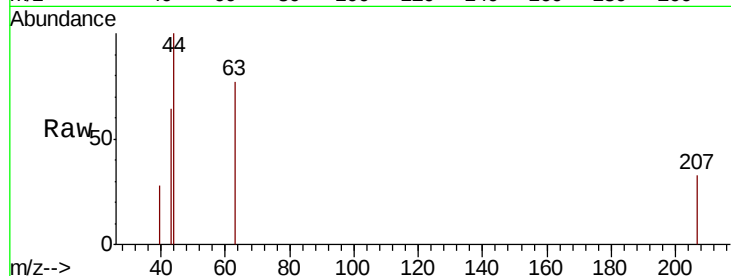
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	63	Resp:	1800
Ion Ratio	Lower	Upper	
63	100		
98	0.0	2.9	8.6#
100	0.0	1.8	5.5#

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#25

2-Butanone

Concen: 1.284 ug/l m

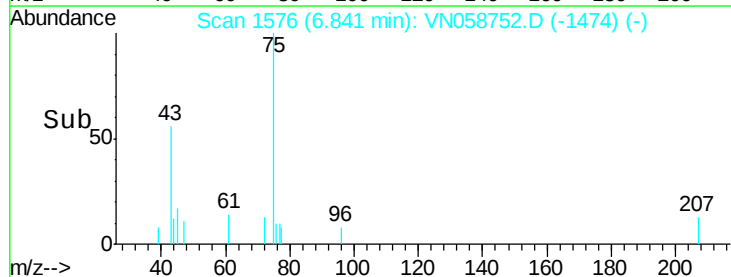
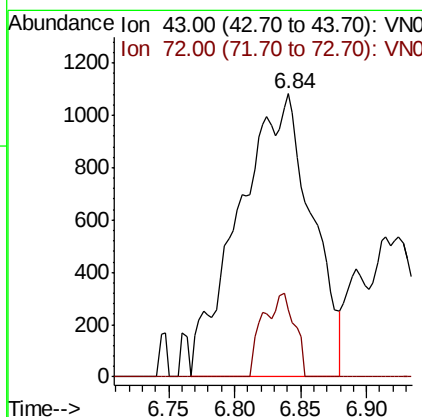
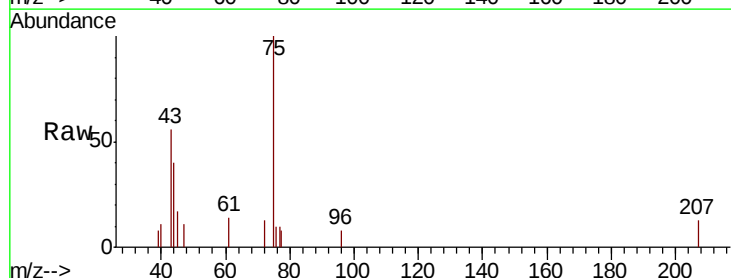
RT: 6.84 min Scan# 1576

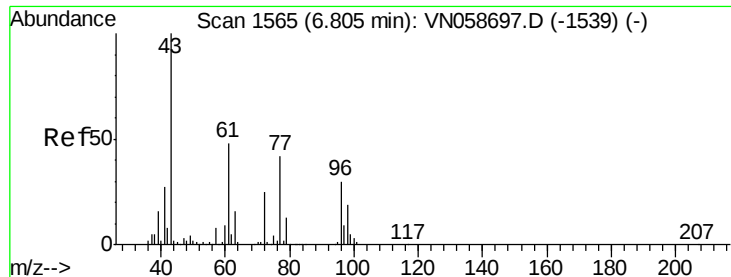
Delta R.T. 0.03 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	43	Resp:	4148
Ion Ratio	Lower	Upper	
43	100		
72	23.6	20.2	30.2





#26

2,2-Dichloropropane

Concen: 0.358 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 77 Resp: 2706

Ion Ratio Lower Upper

77 100

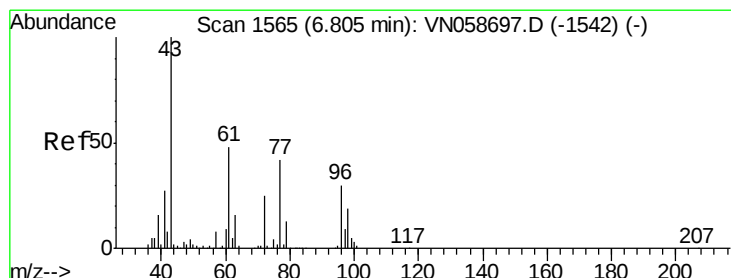
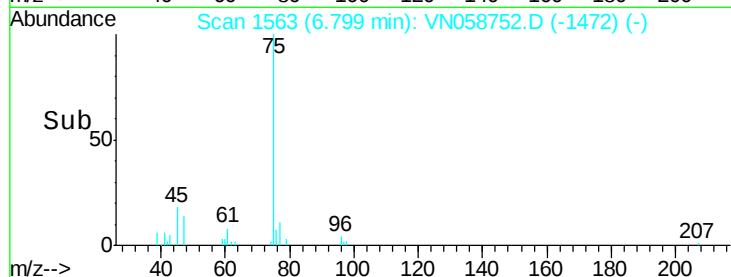
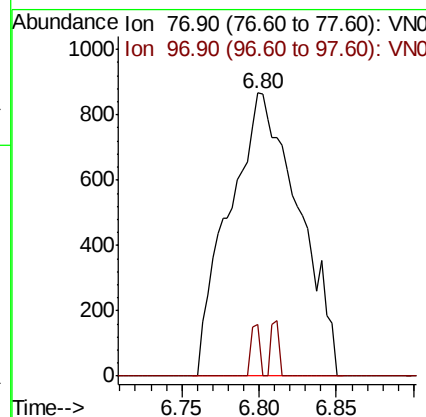
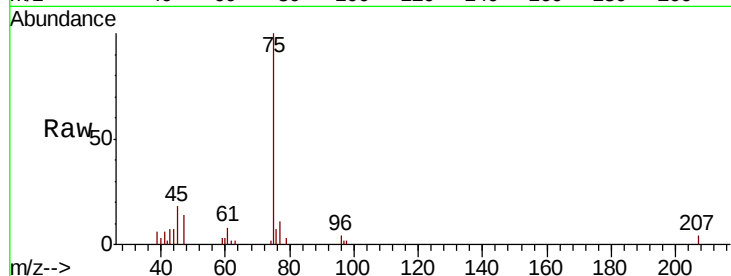
97 2.2 10.7 31.9#

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 0.235 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

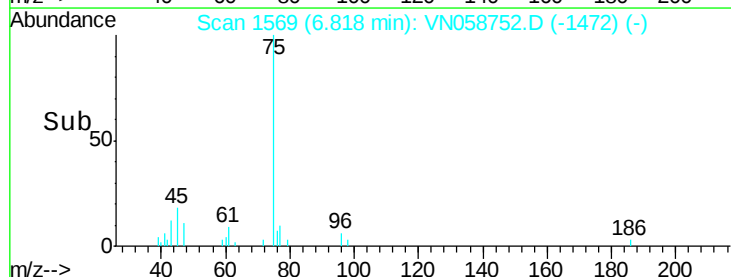
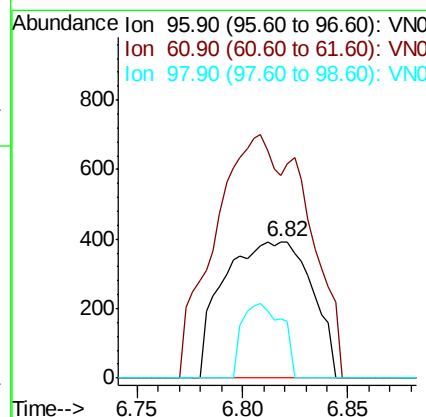
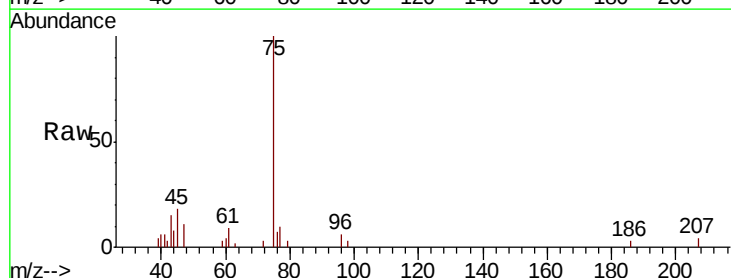
Tgt Ion: 96 Resp: 1137

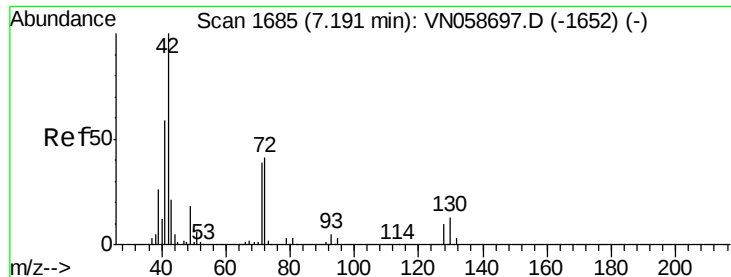
Ion Ratio Lower Upper

96 100

61 128.7 0.0 324.8

98 24.8 0.0 129.2





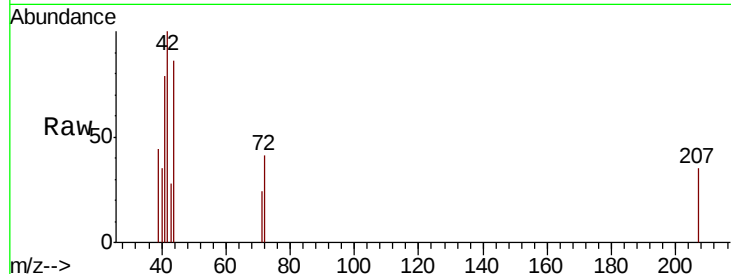
#29
Tetrahydrofuran
Concen: 1.172 ug/l m
RT: 7.21 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

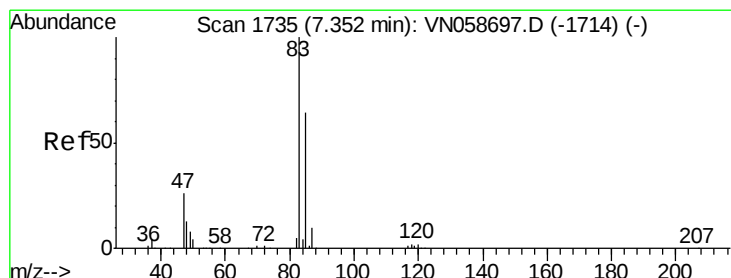
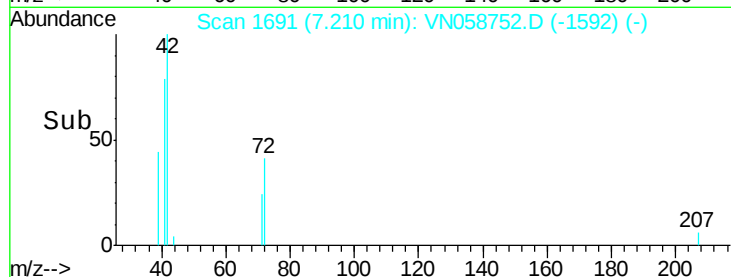
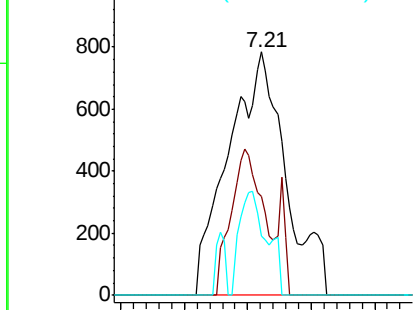
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	32.8	49.2
71	4.2	31.1	46.7#

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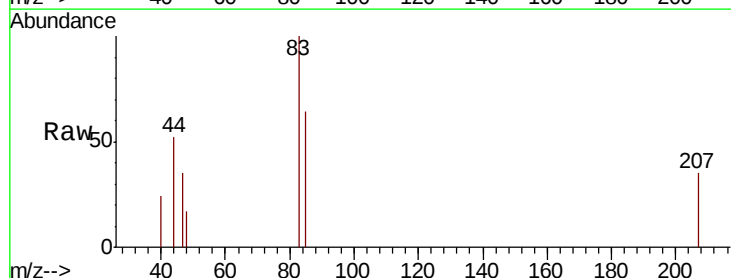


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

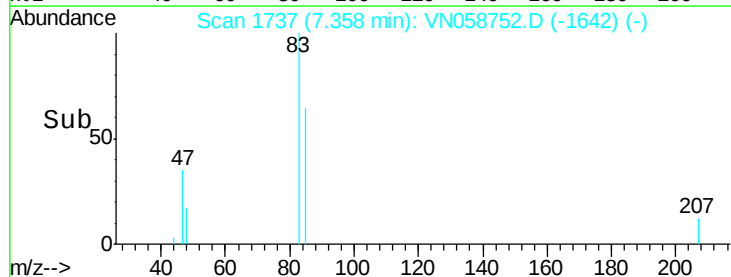
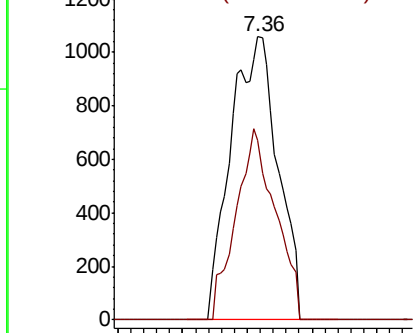


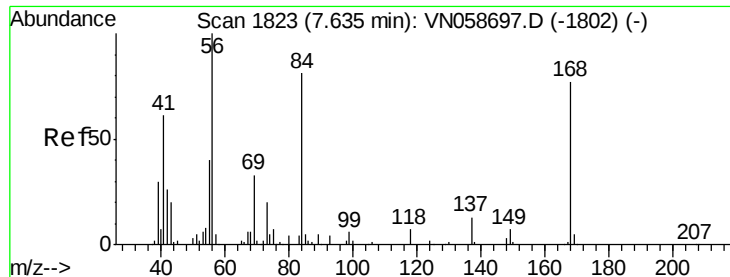
#30
Chloroform
Concen: 0.321 ug/l m
RT: 7.36 min Scan# 1737
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





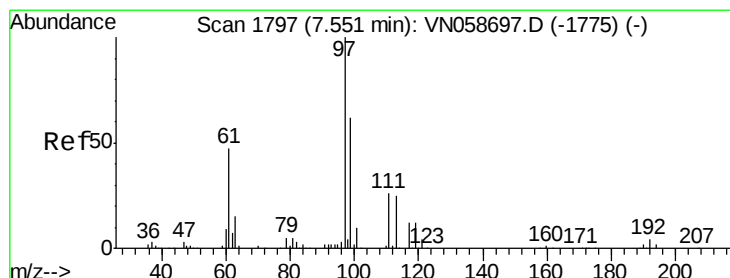
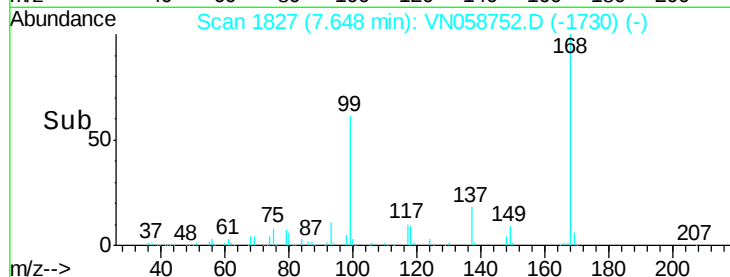
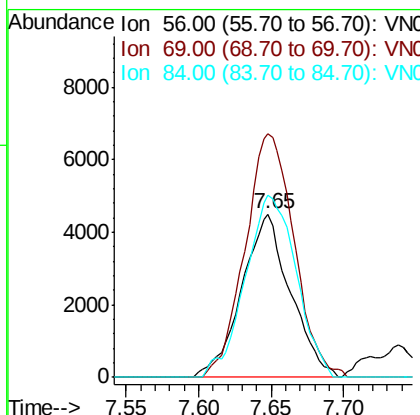
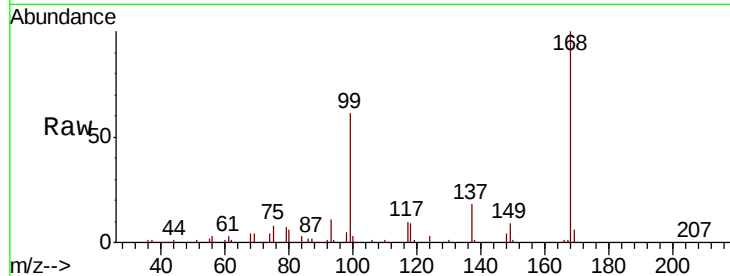
#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	149.2	26.2	39.4#
84	111.5	64.9	97.3#

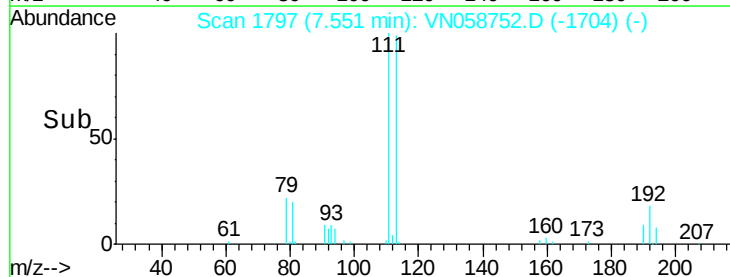
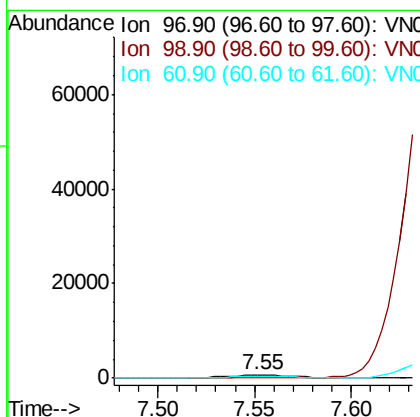
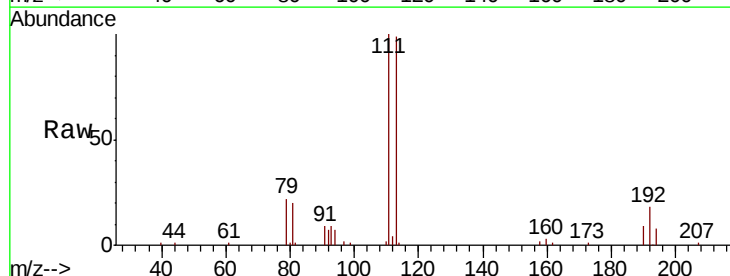
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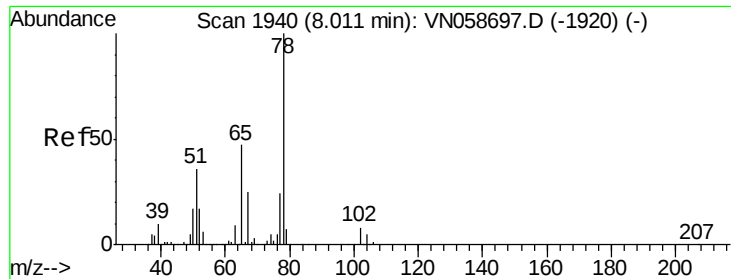
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.218 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	53.0	38.1	57.1





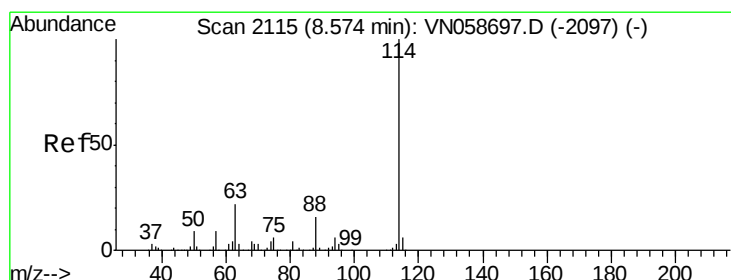
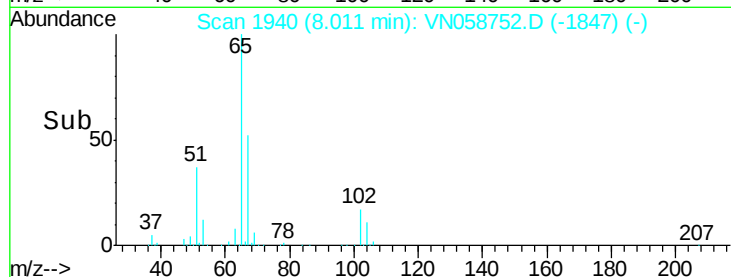
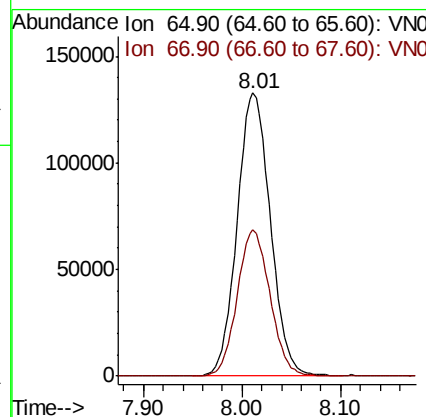
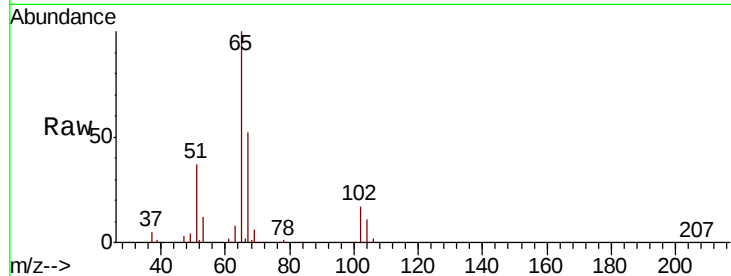
#33
 1,2-Dichloroethane-d4
 Concen: 57.638 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	103.8	

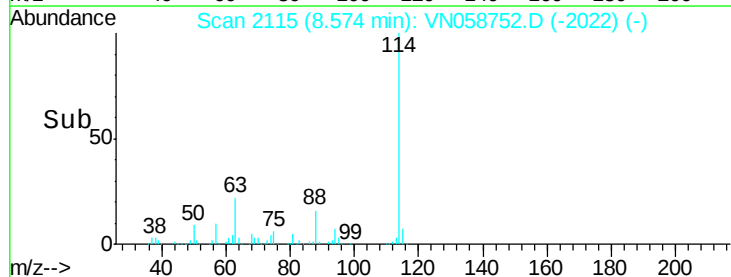
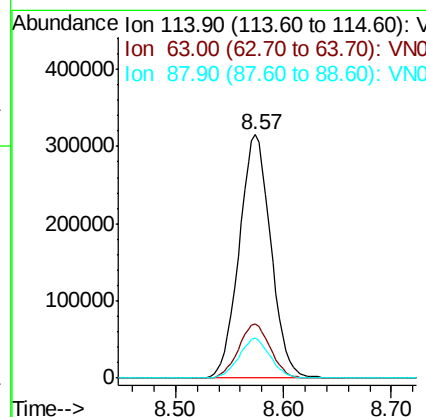
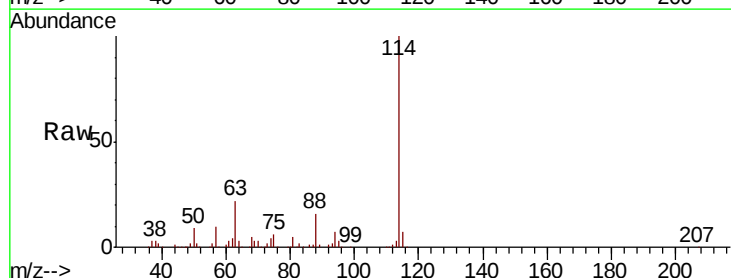
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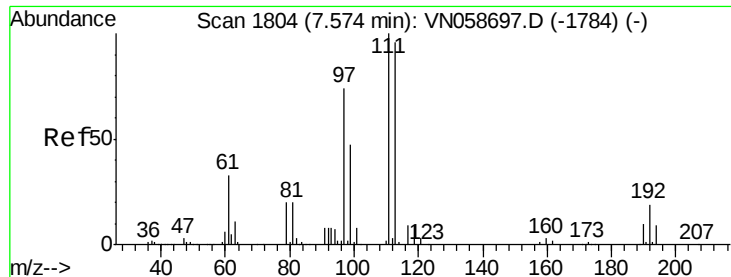
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	43.8	
88	16.3	0.0	32.0	





#35

Dibromofluoromethane

Concen: 54.574 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

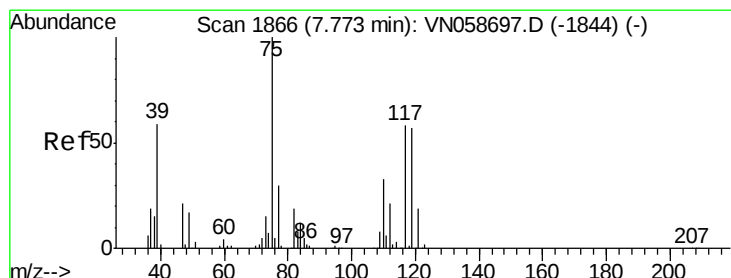
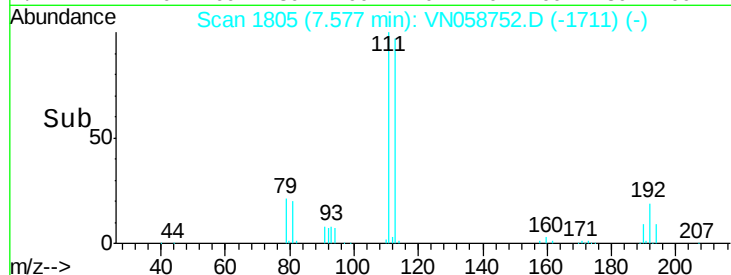
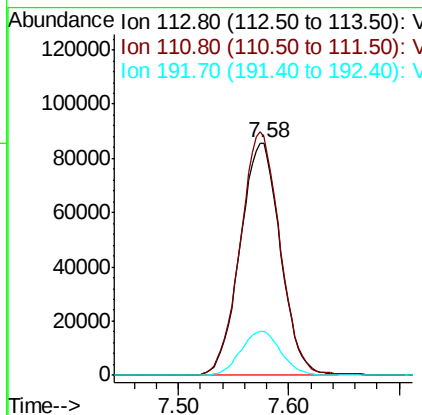
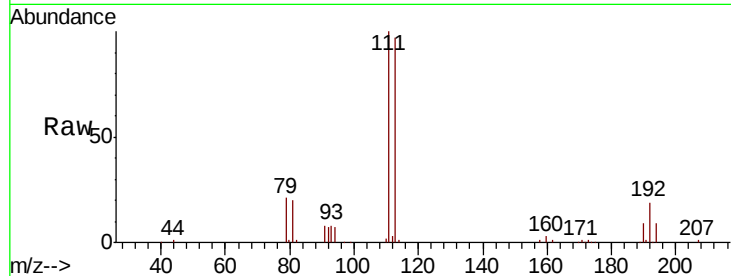
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	113	Resp:	217432
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.3	123.5
192	18.8	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 0.273 ug/l

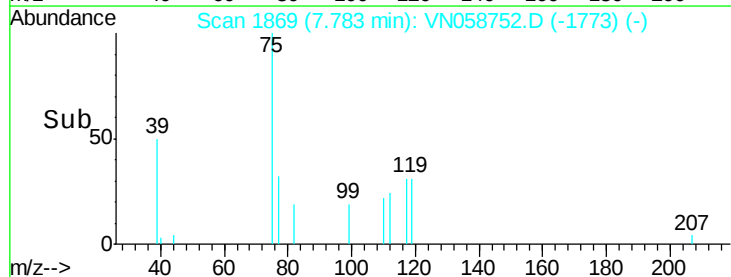
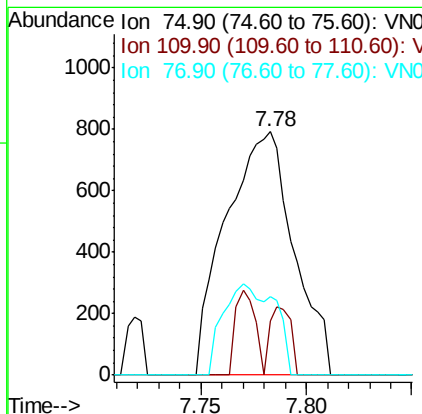
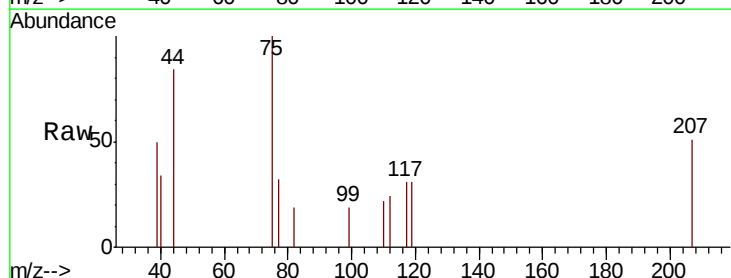
RT: 7.78 min Scan# 1869

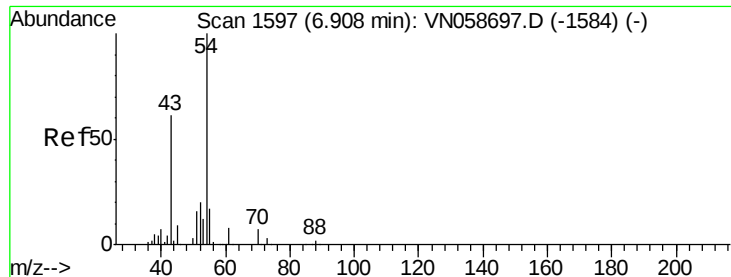
Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	75	Resp:	1781
Ion Ratio	Lower	Upper	
75	100		
110	8.6	16.6	49.8#
77	0.0	24.6	37.0#





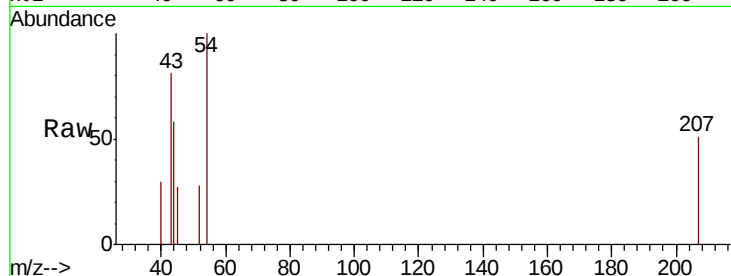
#37
Ethyl Acetate
Concen: 0.277 ug/l m
RT: 6.92 min Scan# 1602
Delta R.T. 0.02 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

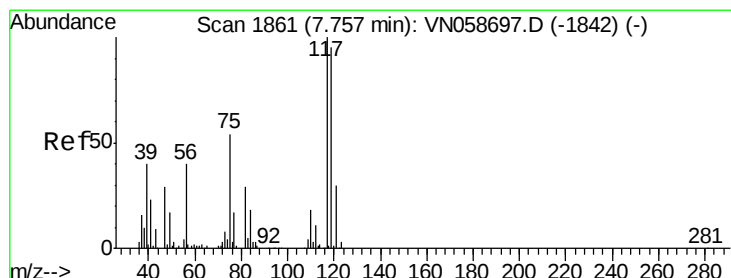
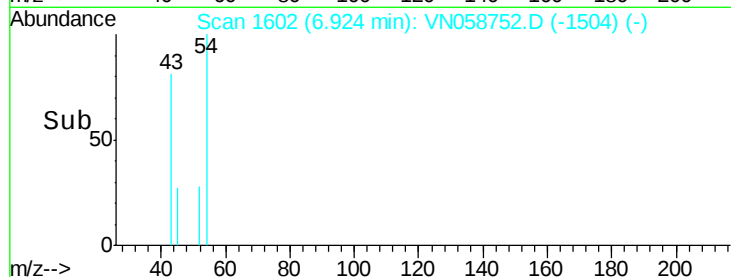
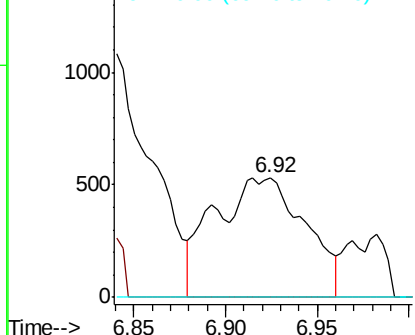
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.2	10.8#

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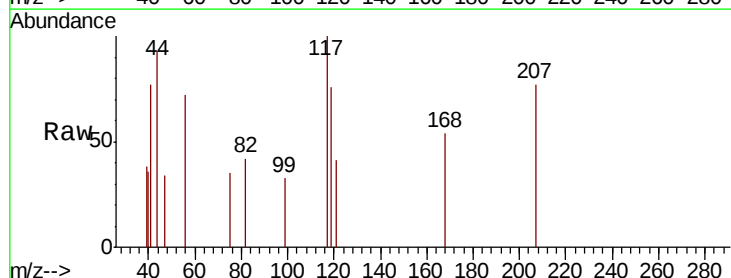


Abundance Ion 43.00 (42.70 to 43.70): VN058752.D (-1504) (-)
Ion 60.90 (60.60 to 61.60): VN058752.D (-1504) (-)
Ion 70.00 (69.70 to 70.70): VN058752.D (-1504) (-)

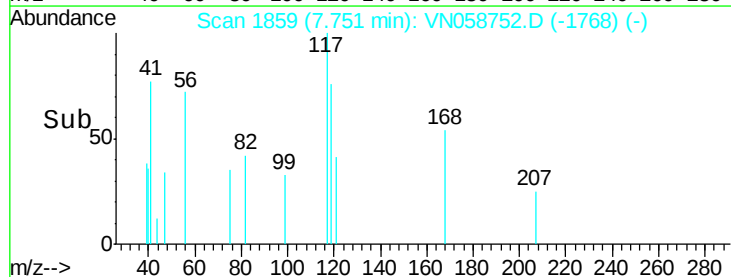
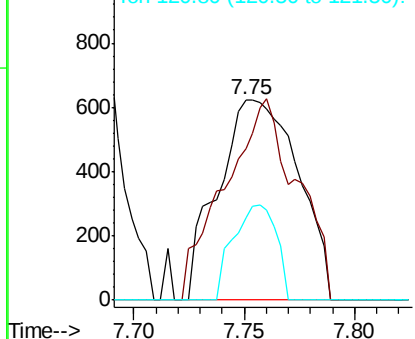


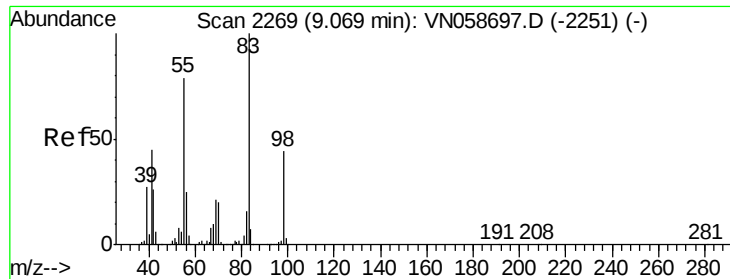
#38
Carbon Tetrachloride
Concen: 0.248 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	75.8	75.7	113.5
121	41.2	23.9	35.9#



Abundance Ion 116.80 (116.50 to 117.50): VN058752.D (-1768) (-)
Ion 118.80 (118.50 to 119.50): VN058752.D (-1768) (-)
Ion 120.80 (120.50 to 121.50): VN058752.D (-1768) (-)





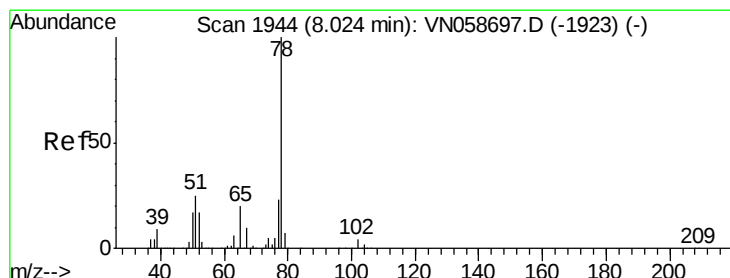
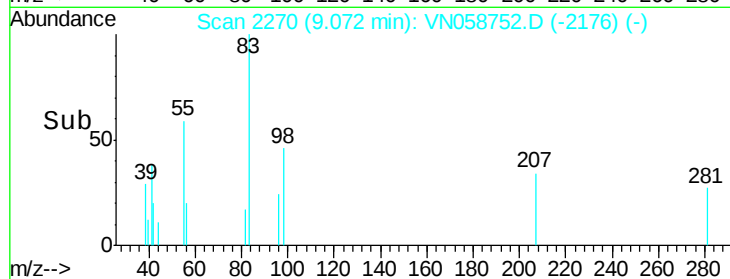
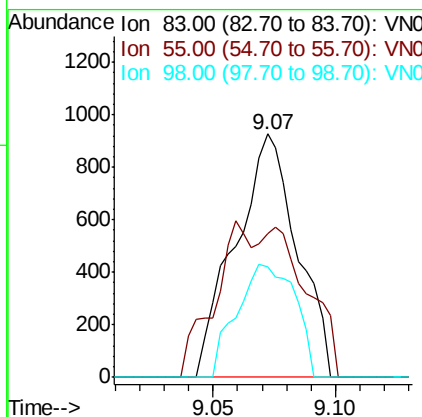
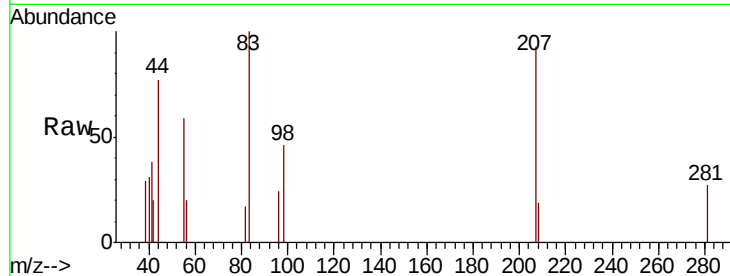
#39
Methvlcvclohexane
Concen: 0.215 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.8	63.4	95.0#
98	45.5	35.1	52.7

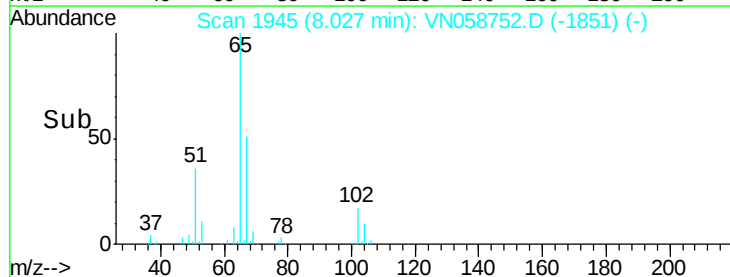
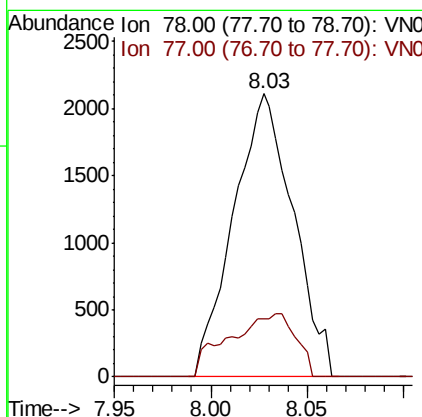
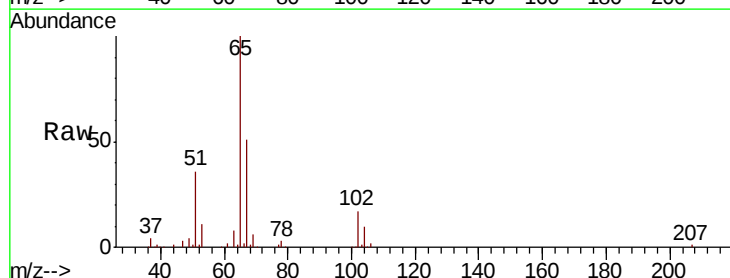
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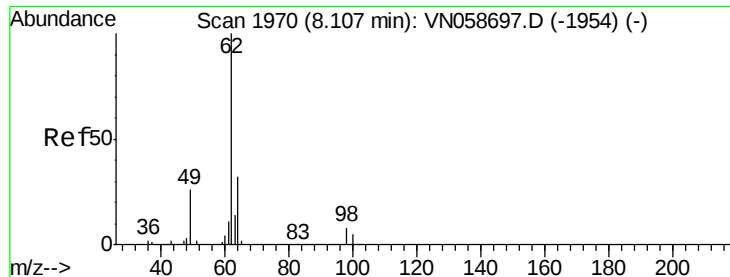
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#40
Benzene
Concen: 0.241 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.5	18.8	28.2





#42

1,2-Dichloroethane

Concen: 0.327 ug/l m

RT: 8.10 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 62 Resp: 2356

Ion Ratio Lower Upper

62 100

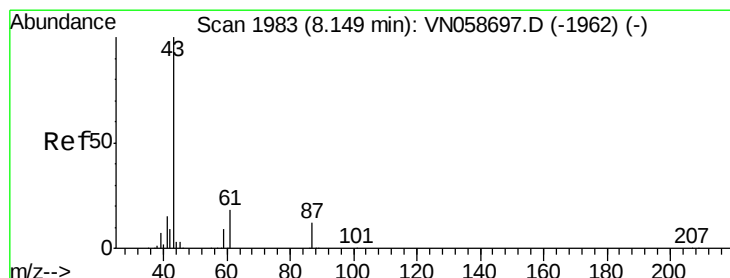
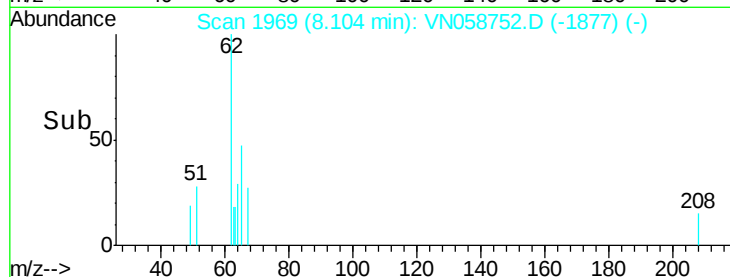
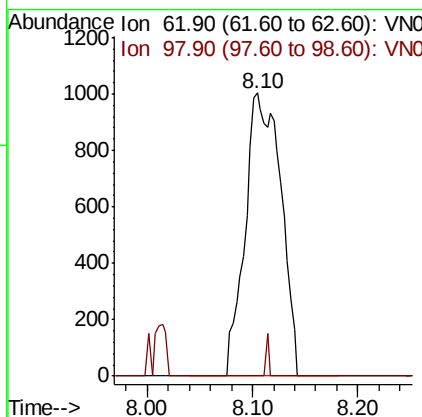
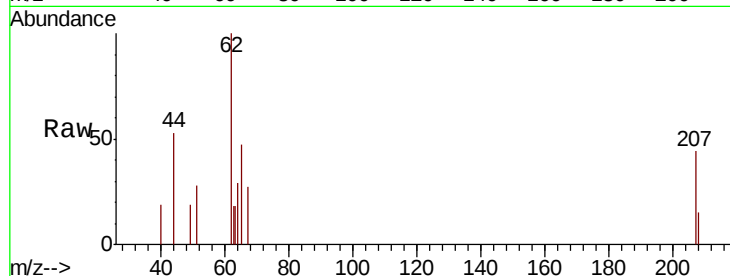
98 1.2 0.0 15.8

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#43

Isopropyl Acetate

Concen: 0.241 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

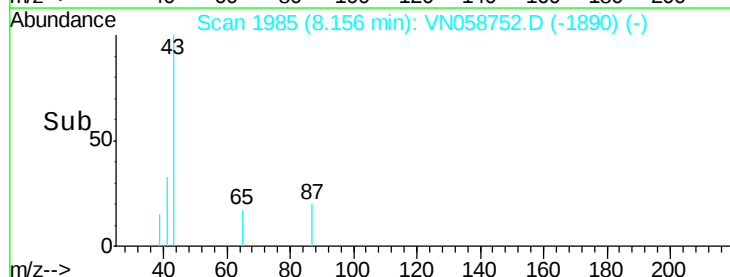
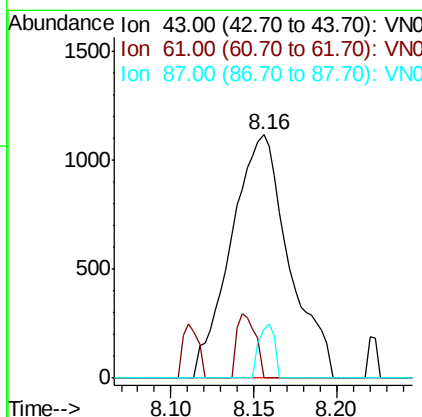
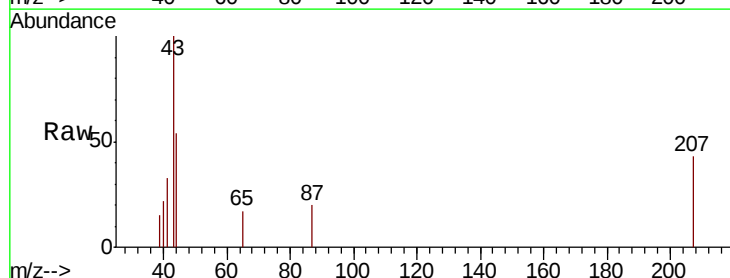
Tgt Ion: 43 Resp: 2712

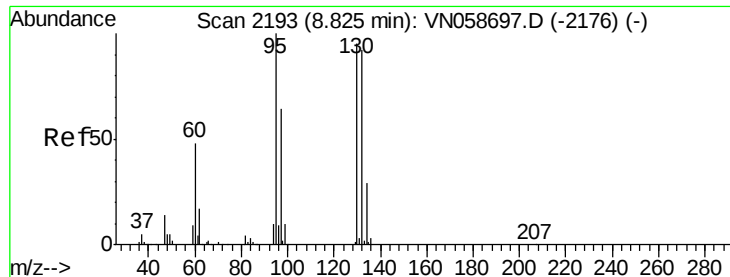
Ion Ratio Lower Upper

43 100

61 8.7 20.3 30.5#

87 5.9 9.8 14.6#





#44

Trichloroethene

Concen: 0.244 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:130 Resp: 1133

Ion Ratio Lower Upper

130 100

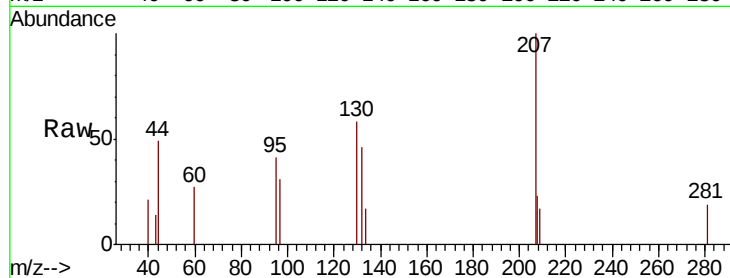
95 70.3 0.0 211.2

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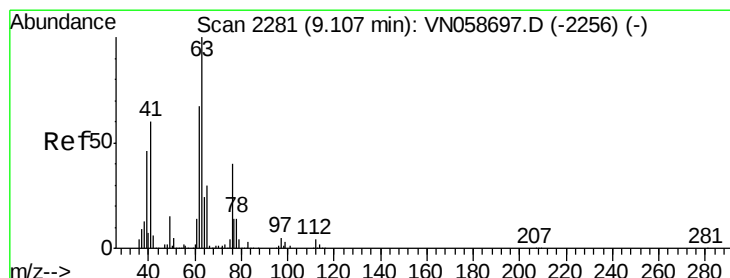
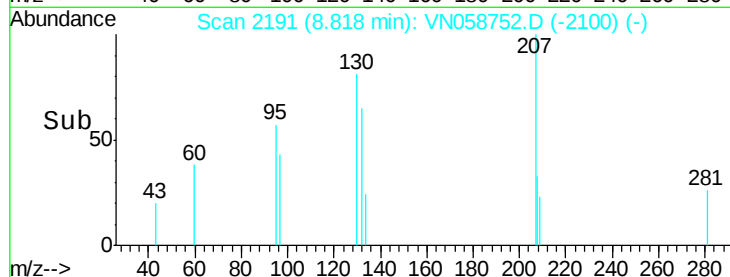
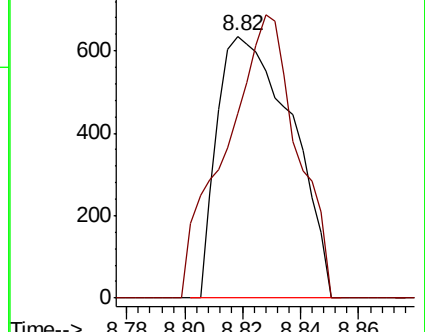
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Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)



#45

1,2-Dichloropropane

Concen: 0.219 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058752.D

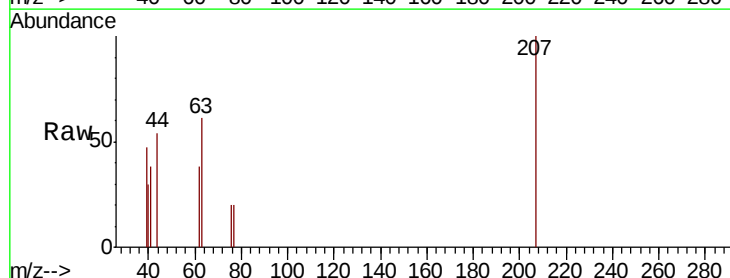
Acq: 14 Oct 2019 16:11

Tgt Ion: 63 Resp: 1100

Ion Ratio Lower Upper

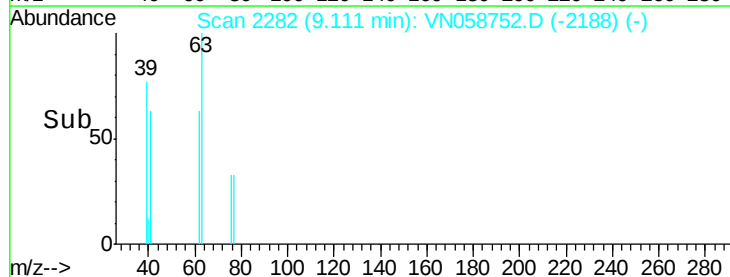
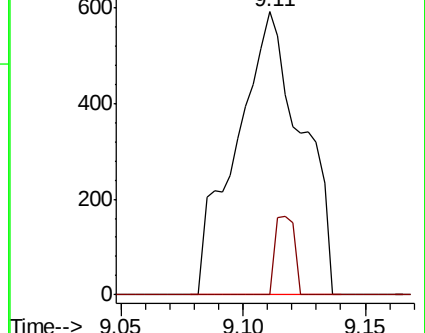
63 100

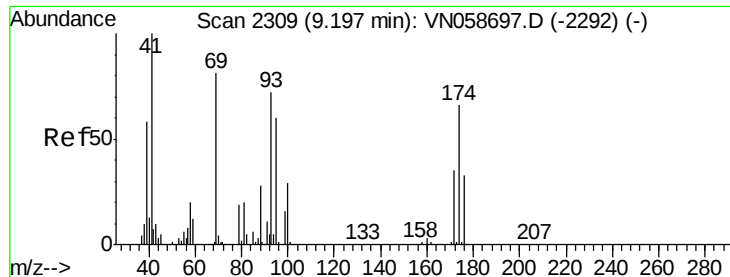
65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN058697.D (-2256) (-)





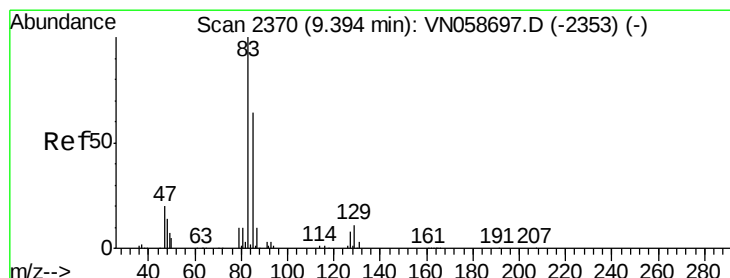
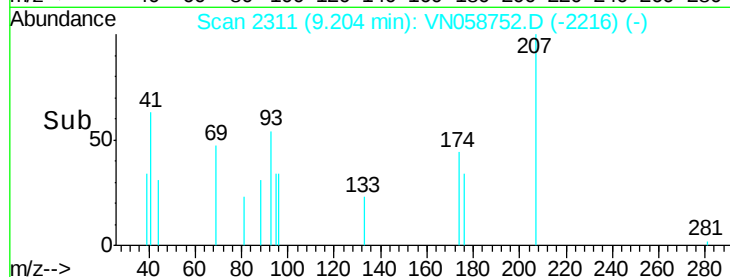
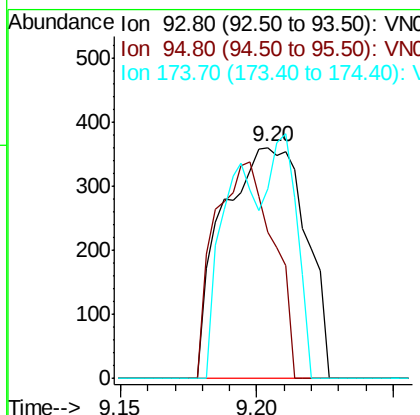
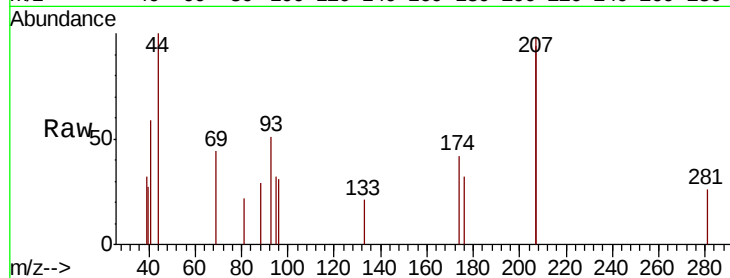
#46
Dibromomethane
Concen: 0.239 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 93 Resp: 759
Ion Ratio Lower Upper
93 100
95 0.0 66.6 100.0#
174 37.8 75.2 112.8#

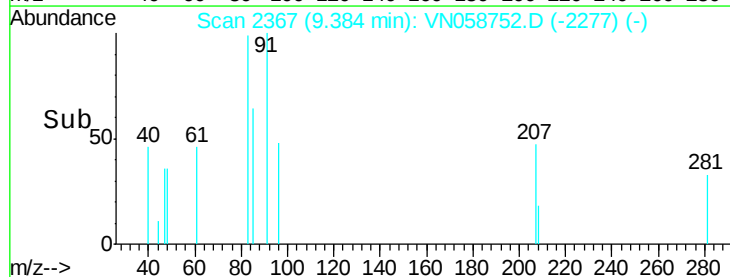
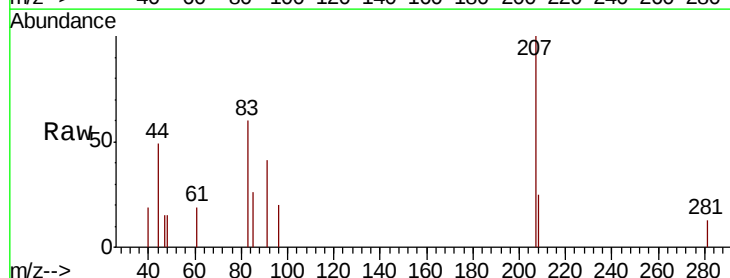
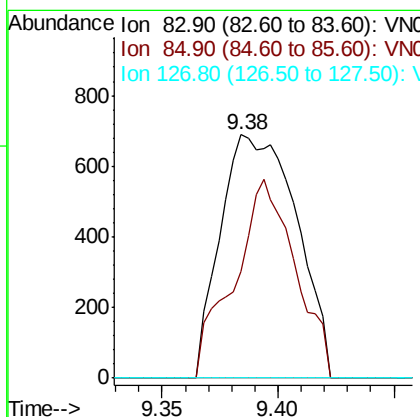
Manual Integrations
APPROVED

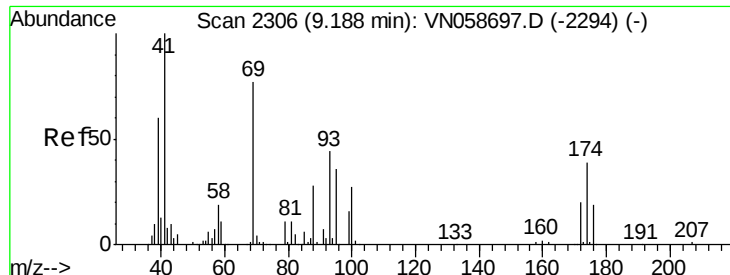
MMDadoda
10/16/2019 12:57:03 AM



#47
Bromodichloromethane
Concen: 0.243 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 83 Resp: 1571
Ion Ratio Lower Upper
83 100
85 43.7 50.9 76.3#
127 0.0 6.3 9.5#





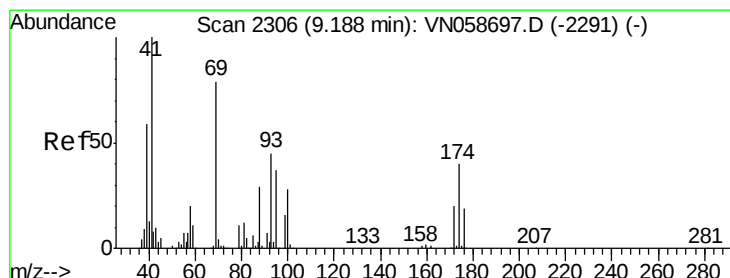
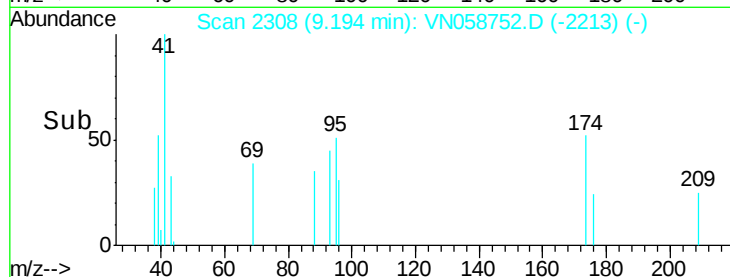
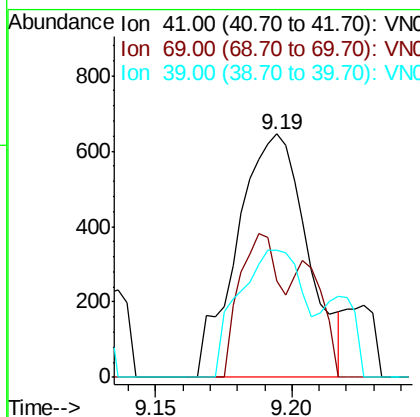
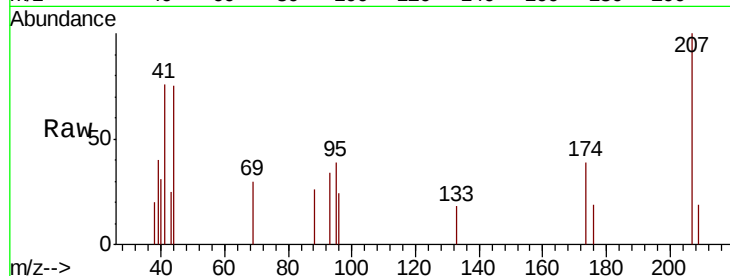
#48
Methyl methacrylate
Concen: 0.227 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
41	100		
69	33.7	63.4	95.2#
39	47.6	48.9	73.3#

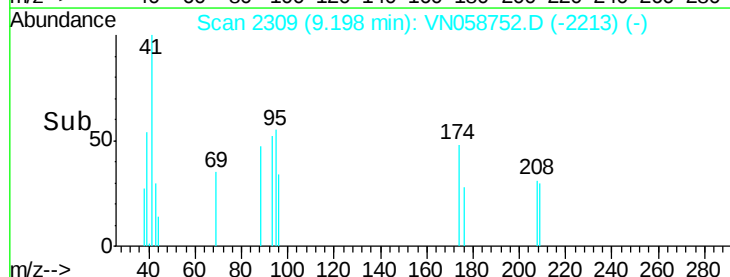
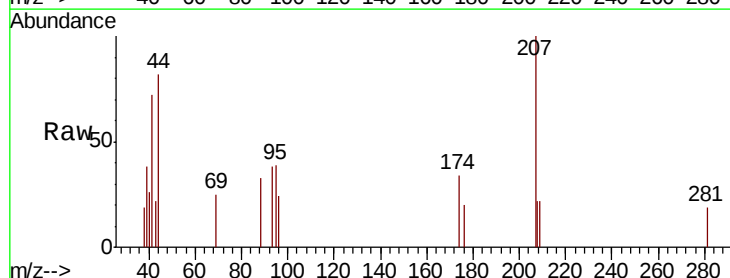
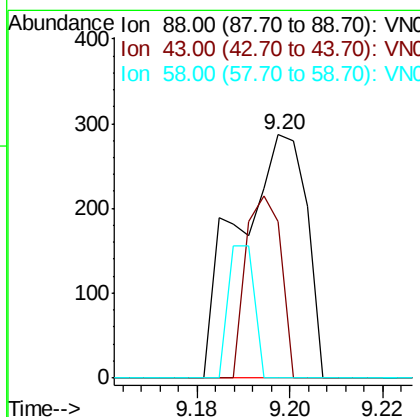
Manual Integrations
APPROVED

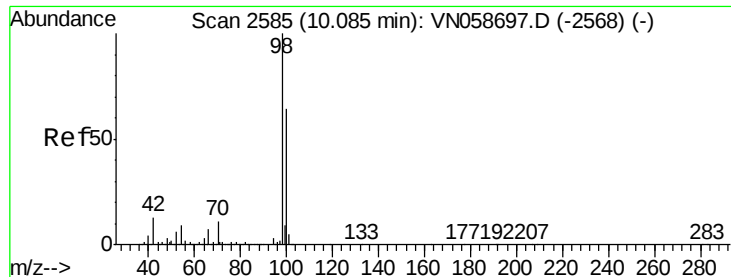
MMDadoda
10/16/2019 12:57:03 AM



#49
1,4-Dioxane
Concen: 3.757 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.2	28.6	43.0
58	20.3	57.2	85.8#





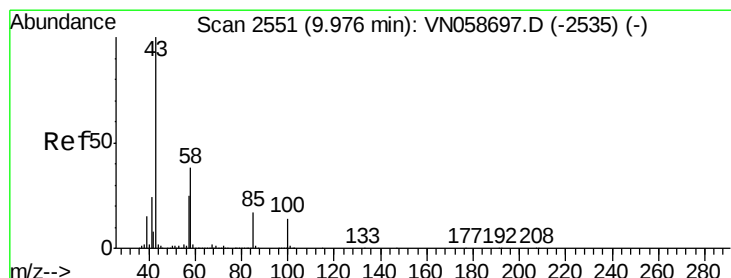
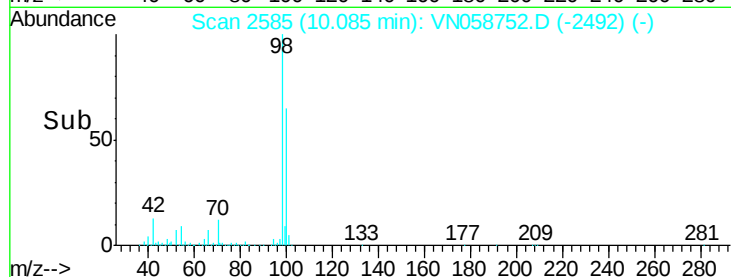
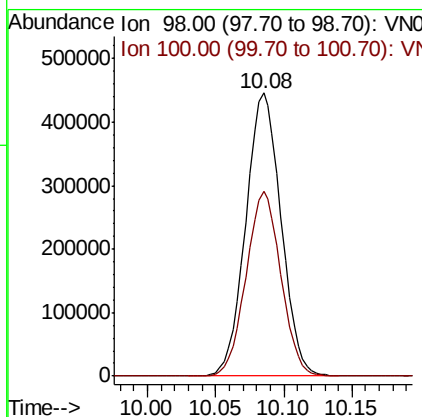
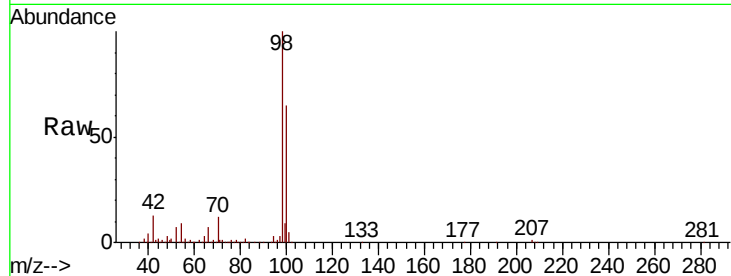
#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 98 Resp: 801701
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

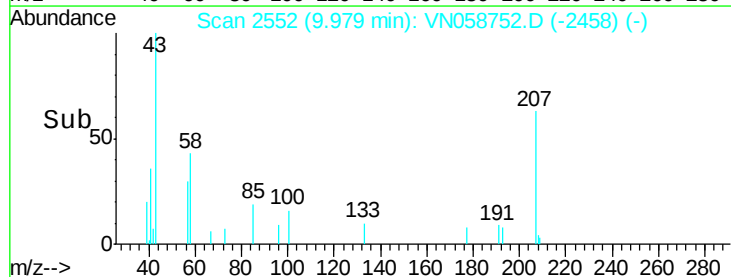
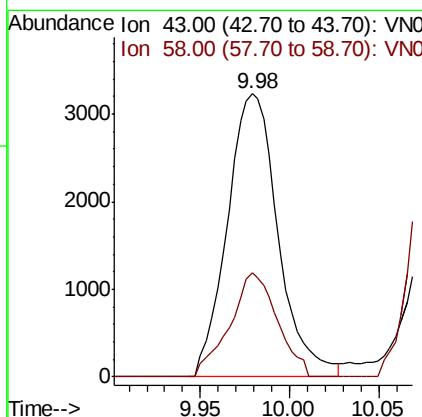
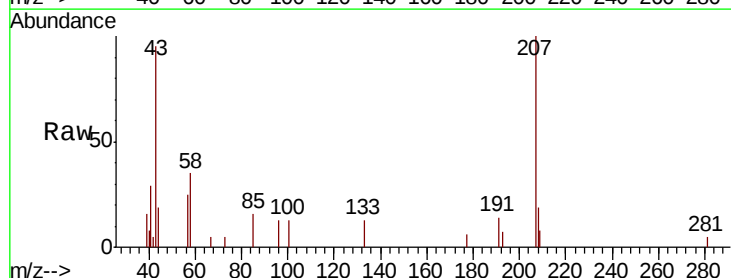
Manual Integrations
APPROVED

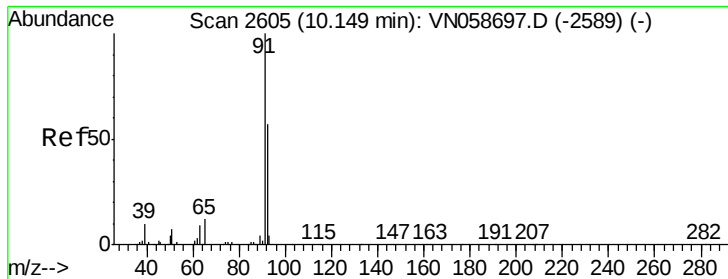
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 1.017 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 43 Resp: 6420
Ion Ratio Lower Upper
43 100
58 34.4 30.3 45.5





#52

Toluene

Concen: 0.205 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 92 Resp: 2351

Ion Ratio Lower Upper

92 100

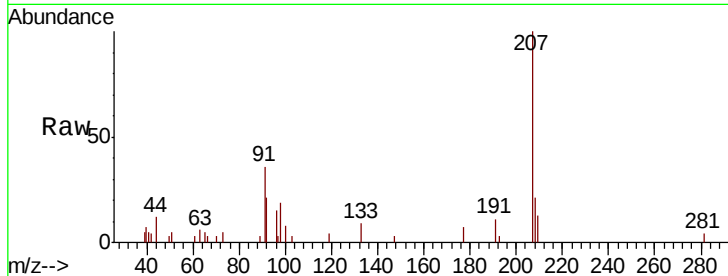
91 172.1 139.1 208.7

Manual Integrations

APPROVED

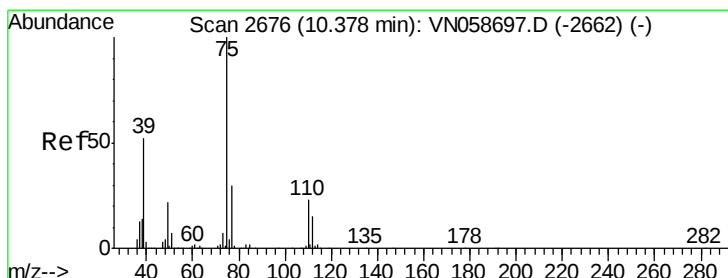
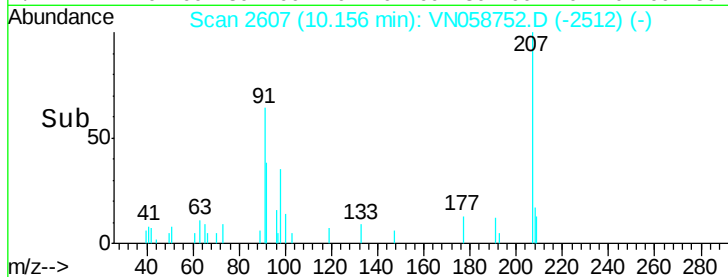
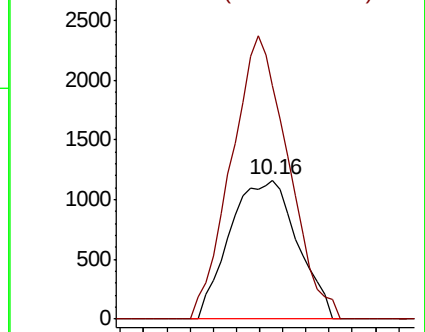
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.322 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058752.D

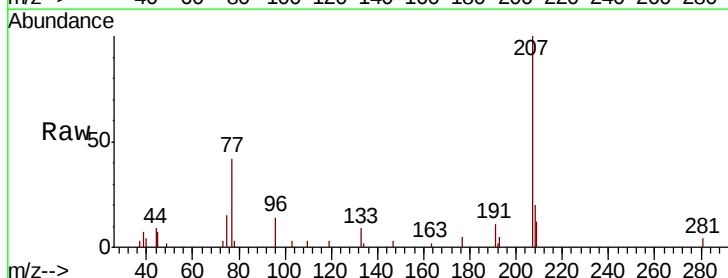
Acq: 14 Oct 2019 16:11

Tgt Ion: 75 Resp: 2392

Ion Ratio Lower Upper

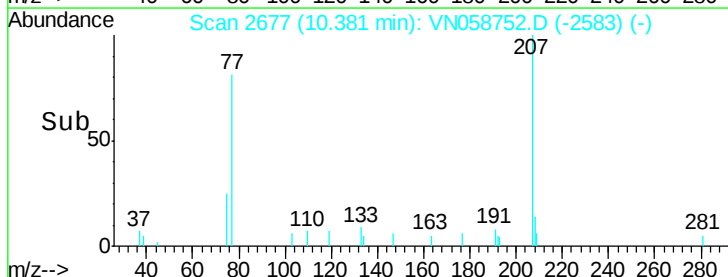
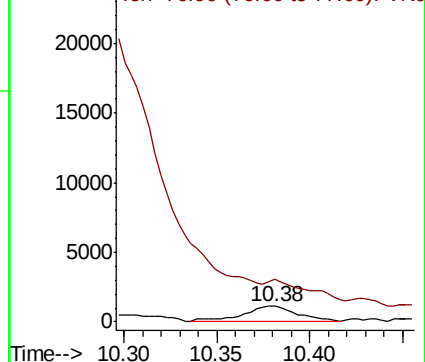
75 100

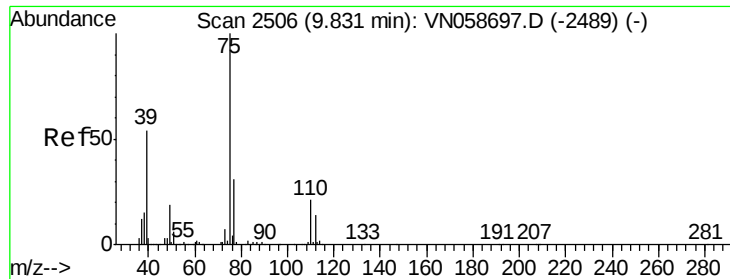
77 133.9 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.201 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

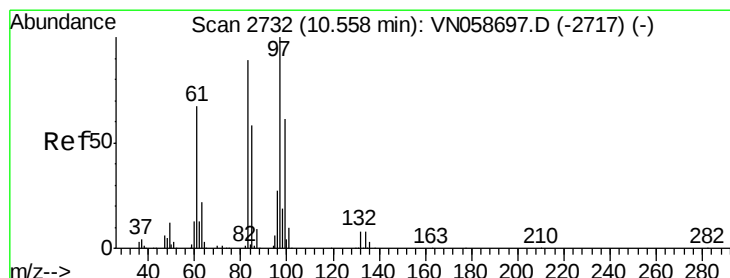
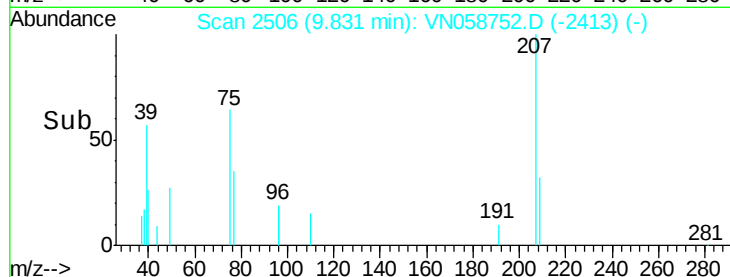
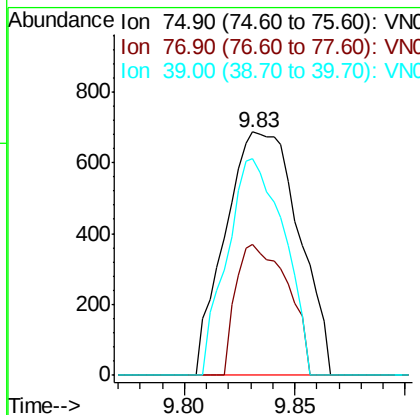
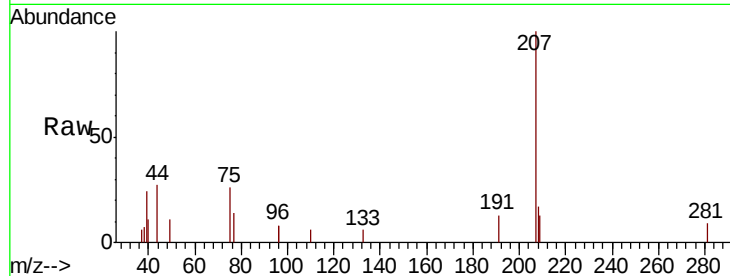
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	75	Resp:	1581
Ion Ratio	Lower	Upper	
75	100		
77	53.9	24.4	36.6#
39	89.2	43.1	64.7#

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.237 ug/l

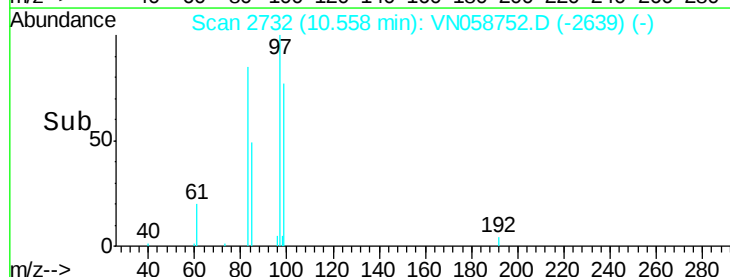
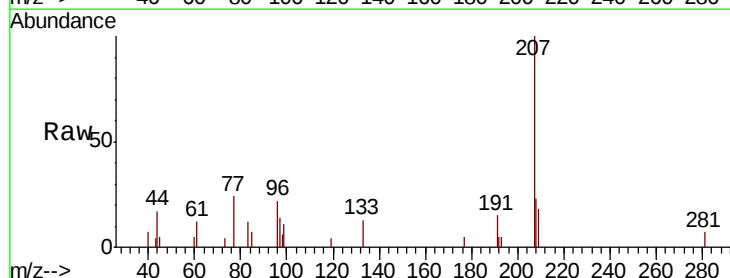
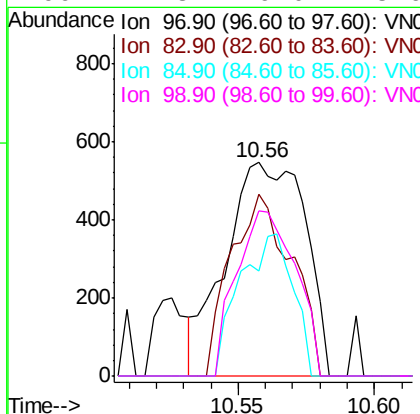
RT: 10.56 min Scan# 2732

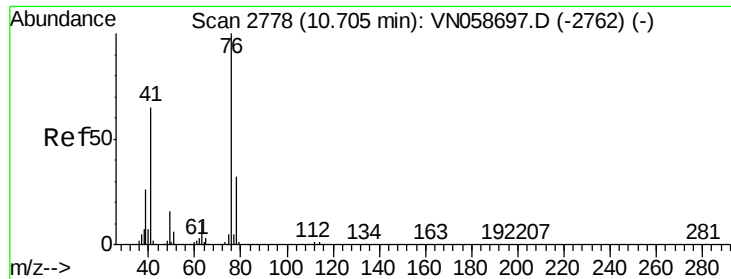
Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	97	Resp:	1112
Ion Ratio	Lower	Upper	
97	100		
83	85.0	71.2	106.8
85	49.2	46.7	70.1
99	77.3	49.0	73.6#





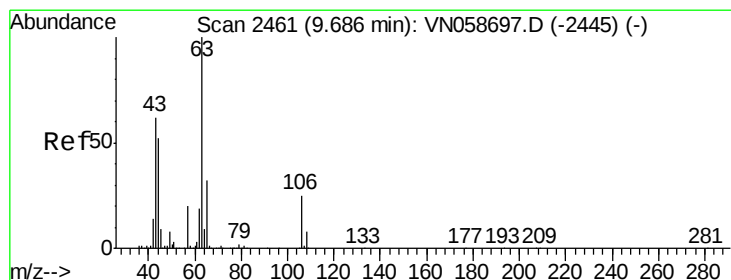
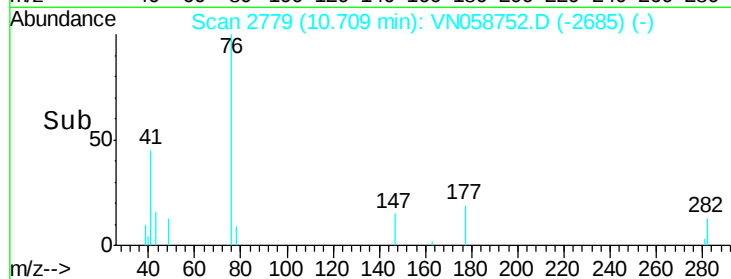
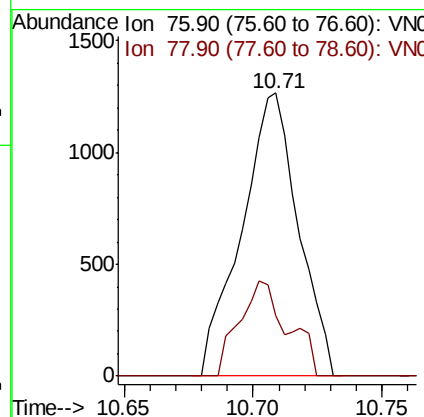
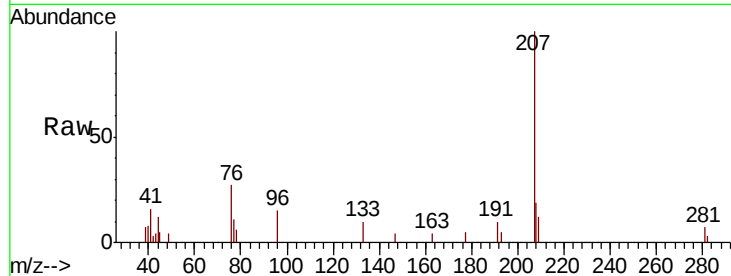
#57
 1,3-Dichloropropane
 Concen: 0.243 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	28.7	25.9	38.9

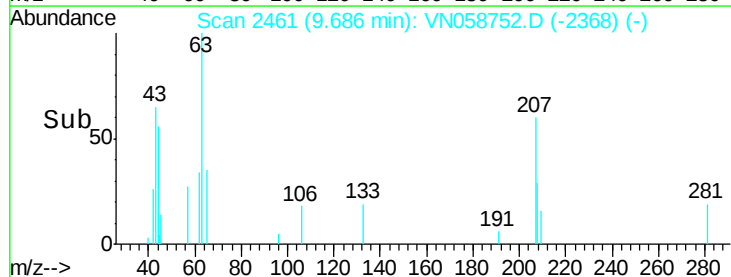
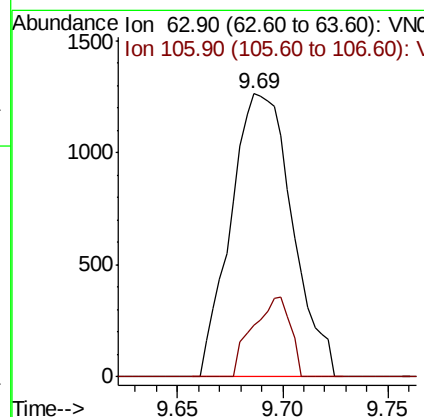
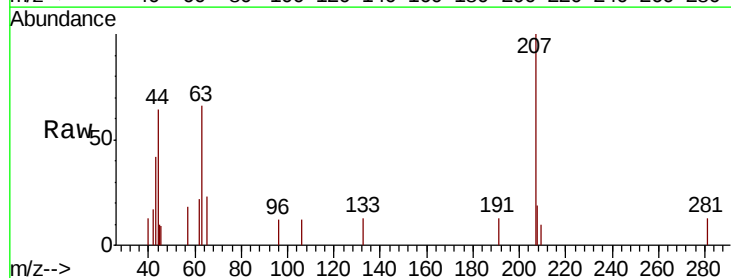
Manual Integrations
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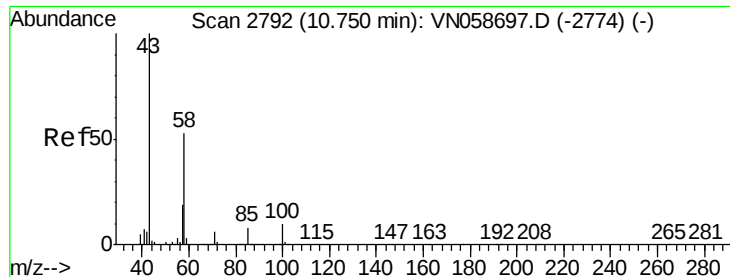
MMDadoda
 10/16/2019 12:57:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.776 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	17.2	20.0	30.0#





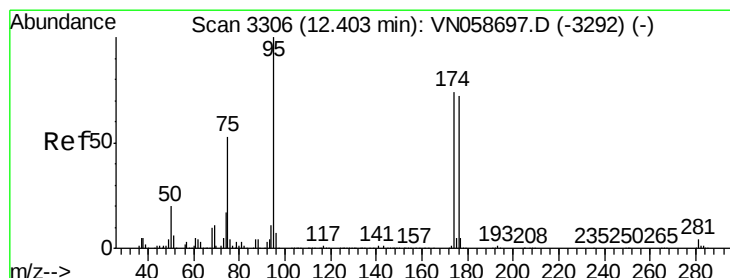
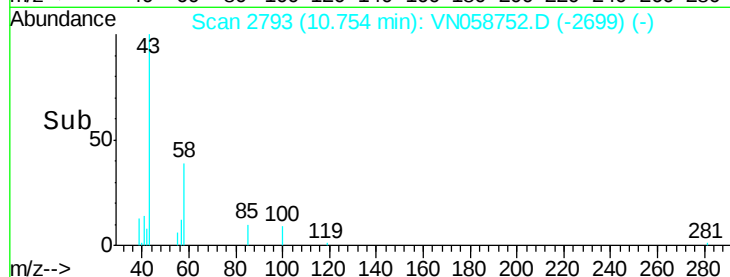
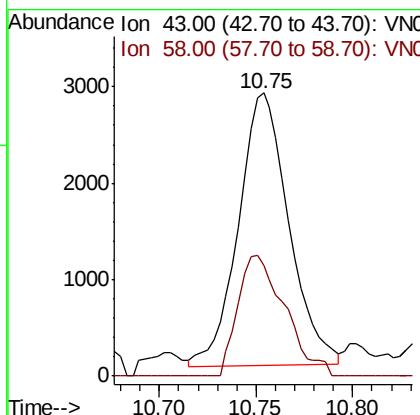
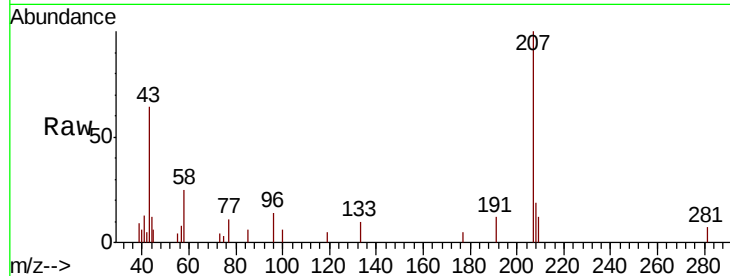
#59
2-Hexanone
Concen: 1.051 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 5125
Ion Ratio Lower Upper
43 100
58 41.2 26.1 78.3

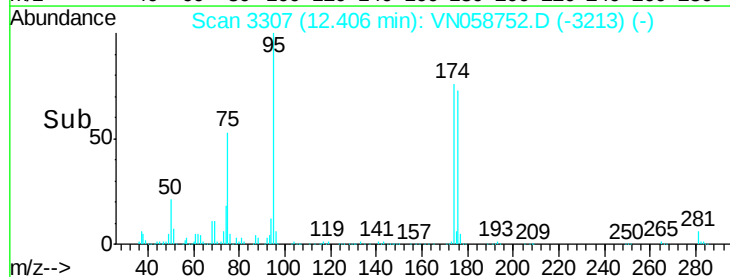
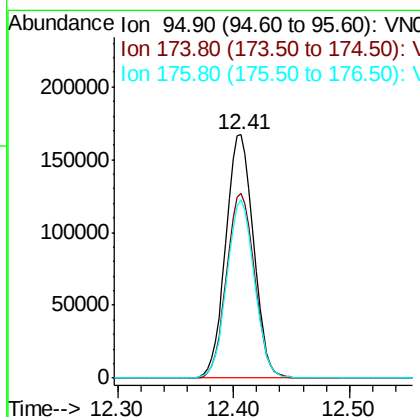
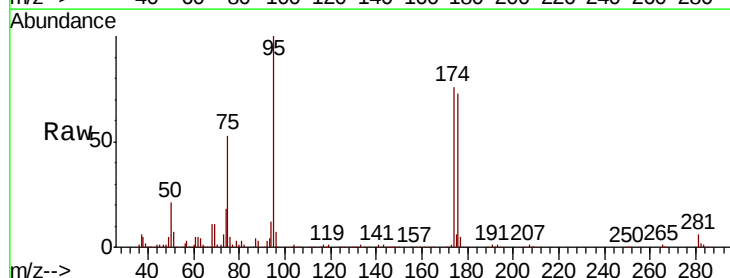
Manual Integrations
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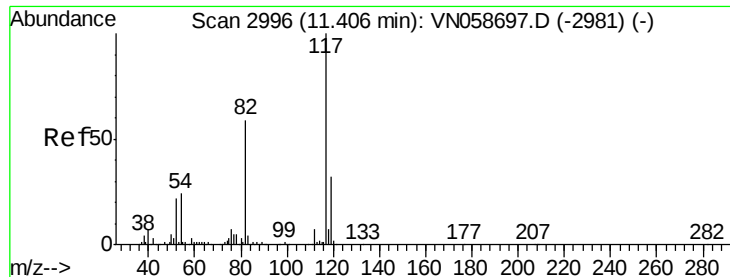
MMDadoda
10/16/2019 12:57:03 AM



#62
4-Bromofluorobenzene
Concen: 45.879 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 95 Resp: 276688
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.4
176 72.6 0.0 146.8





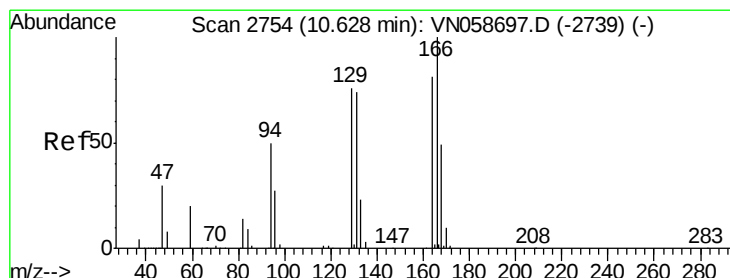
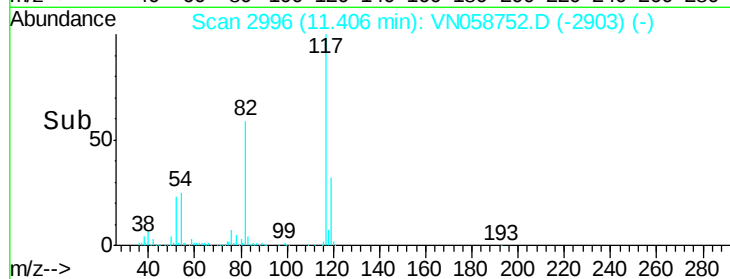
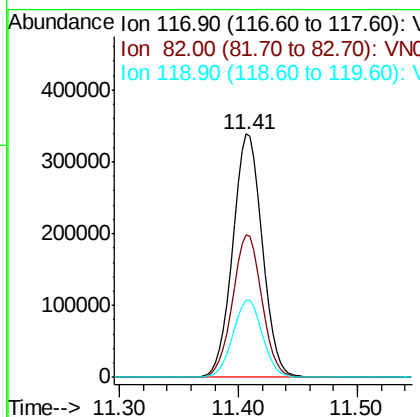
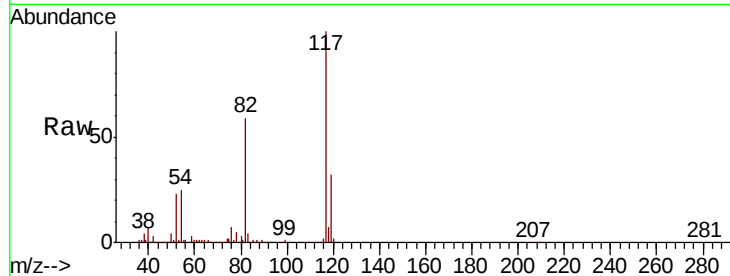
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	583200		
82	58.8		47.0	70.4
119	31.6		25.4	38.2

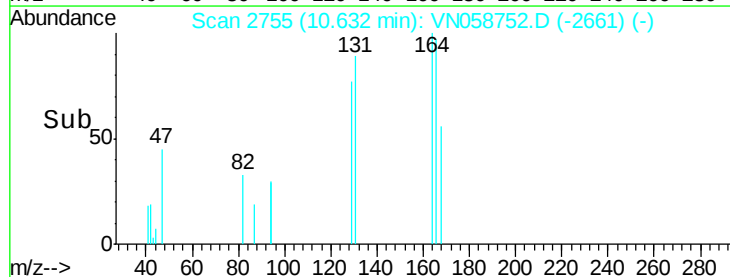
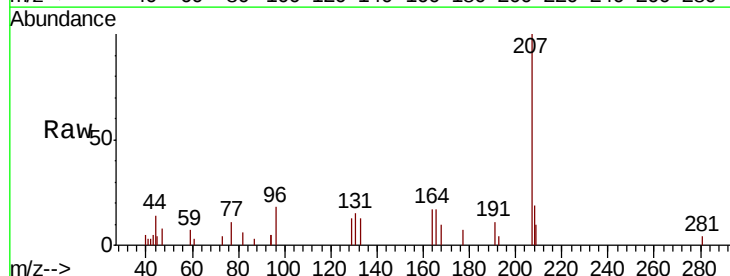
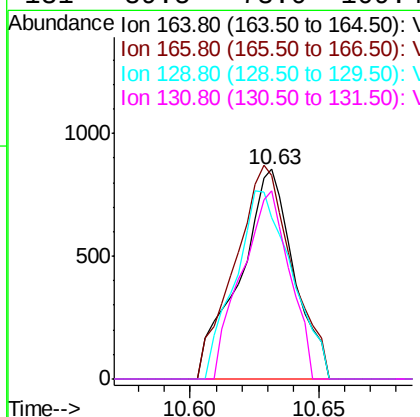
Manual Integrations
APPROVED

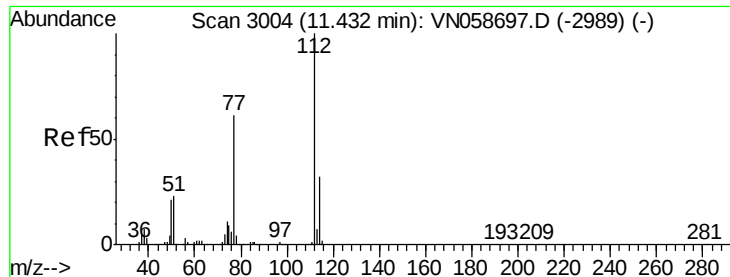
MMDadoda
10/16/2019 12:57:03 AM



#64
Tetrachloroethene
Concen: 0.308 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1256		
166	97.3		99.3	148.9#
129	76.8		75.2	112.8
131	89.5		73.0	109.4





#65

Chlorobenzene

Concen: 0.238 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:112 Resp: 2817

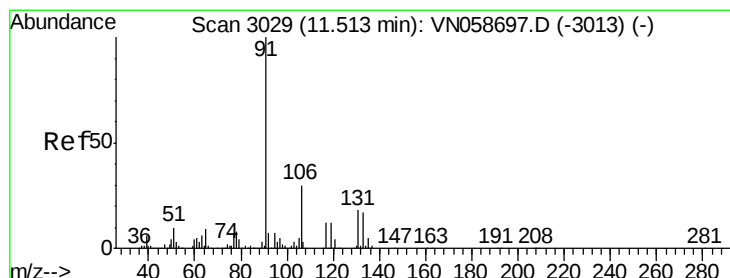
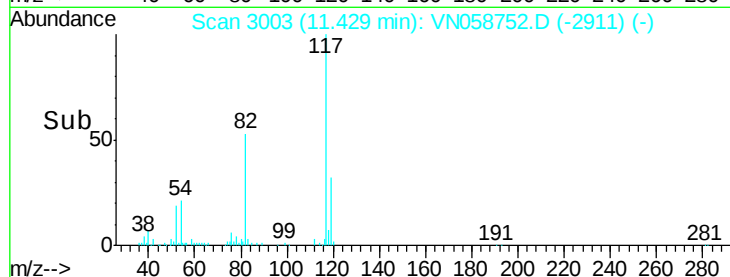
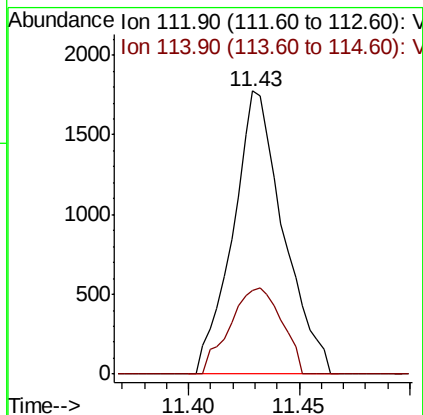
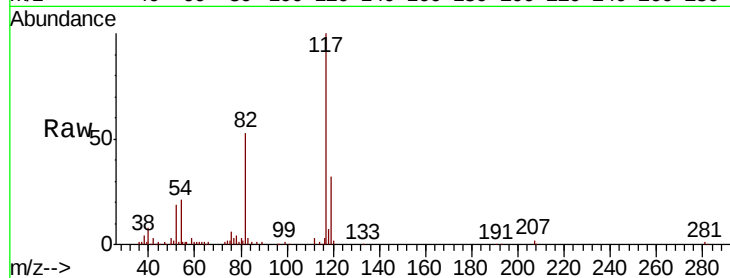
Ion Ratio Lower Upper

112 100

114 29.4 25.2 37.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 0.234 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058752.D

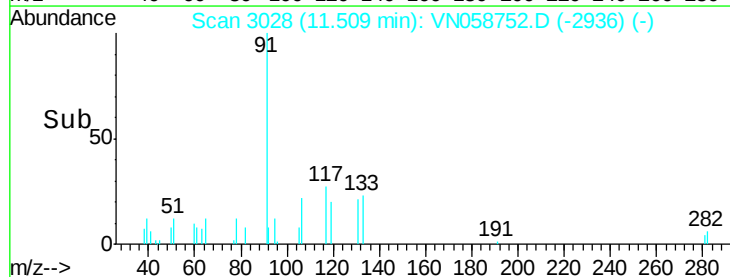
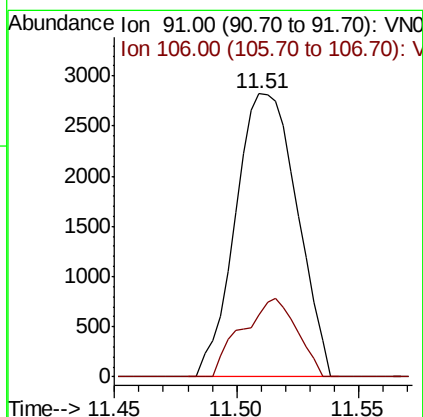
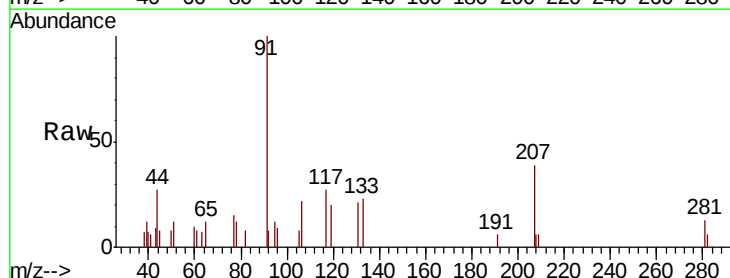
Acq: 14 Oct 2019 16:11

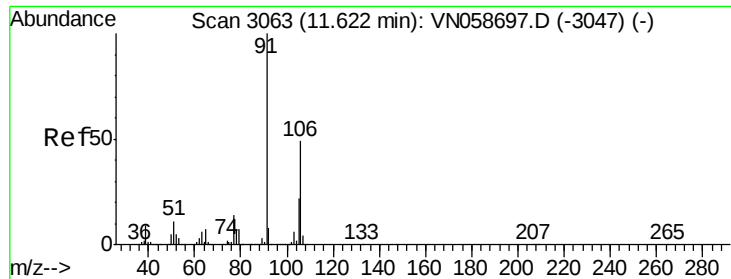
Tgt Ion: 91 Resp: 4938

Ion Ratio Lower Upper

91 100

106 21.8 24.1 36.1#





#68

m/p-Xylenes

Concen: 0.409 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:106 Resp: 3242

Ion Ratio Lower Upper

106 100

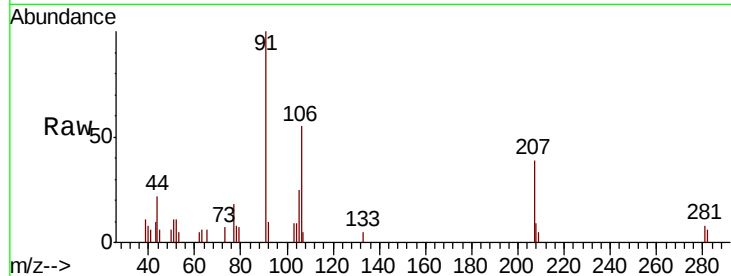
91 208.7 165.7 248.5

Manual Integrations

APPROVED

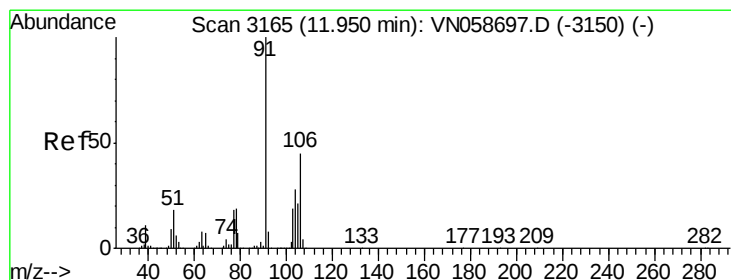
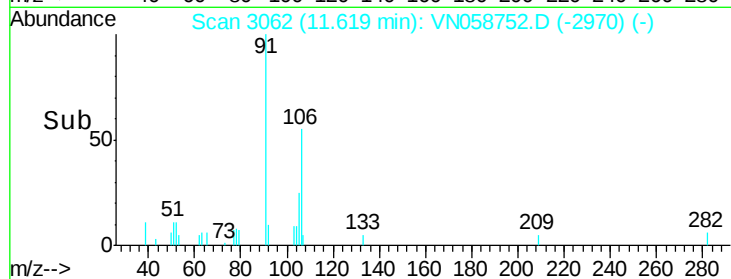
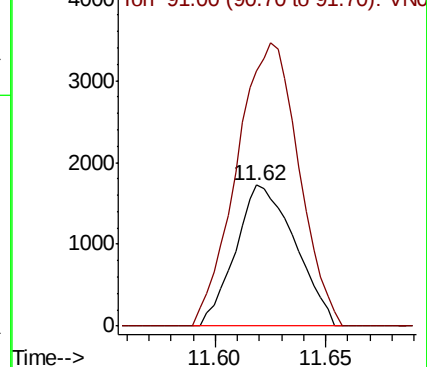
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.201 ug/l

RT: 11.95 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN058752.D

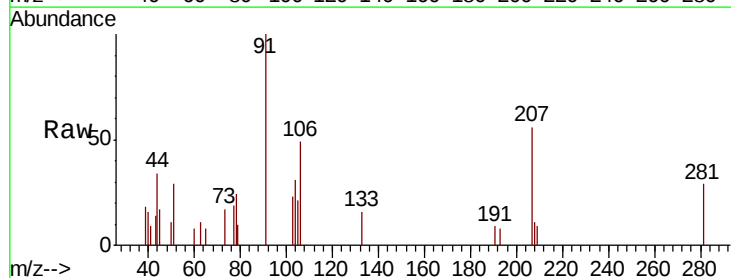
Acq: 14 Oct 2019 16:11

Tgt Ion:106 Resp: 1544

Ion Ratio Lower Upper

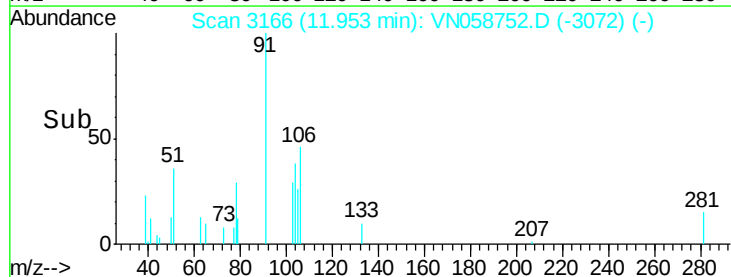
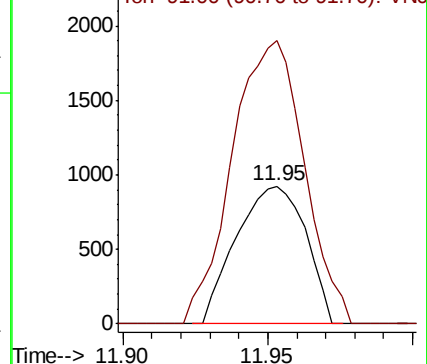
106 100

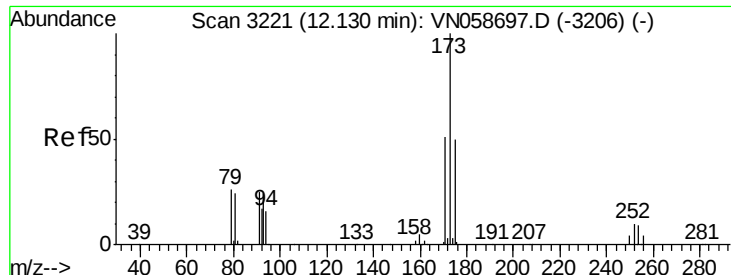
91 212.9 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





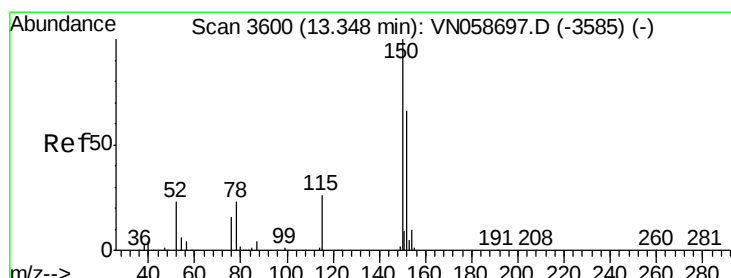
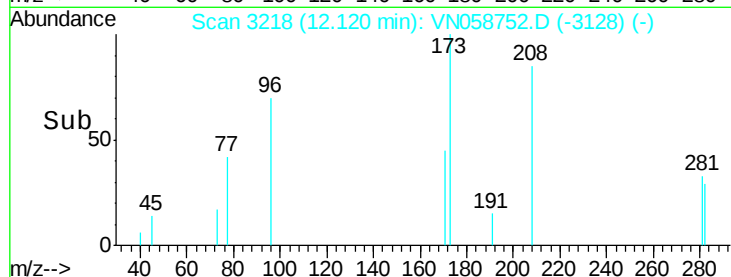
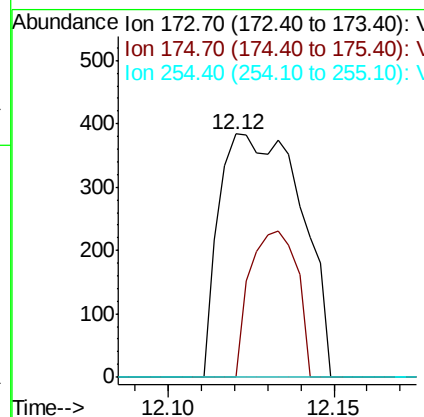
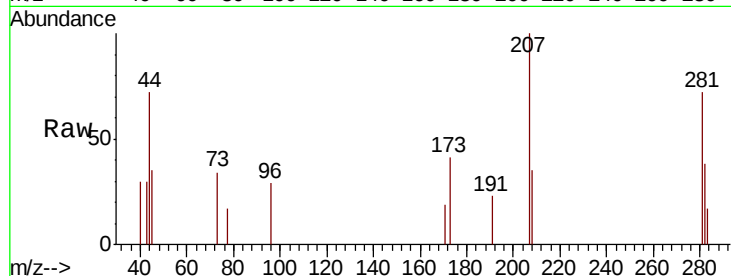
#71
Bromoform
Concen: 0.206 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.6	73.8#
254	0.0	0.1	0.1#

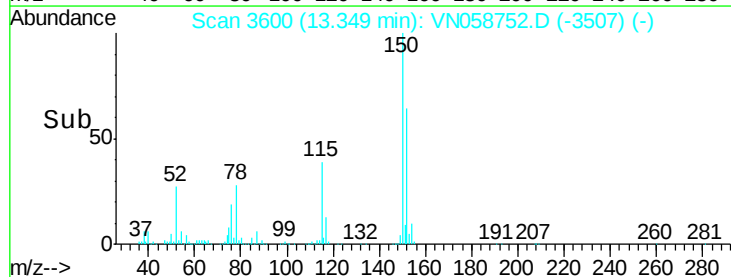
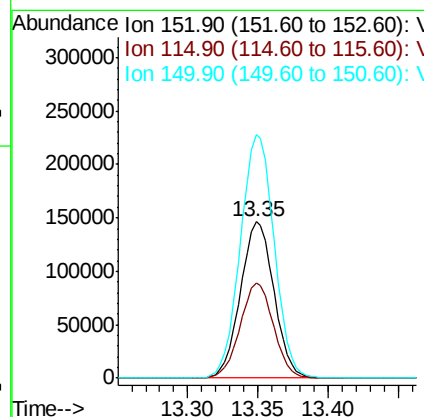
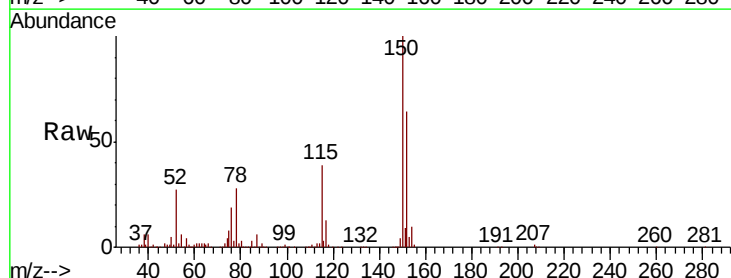
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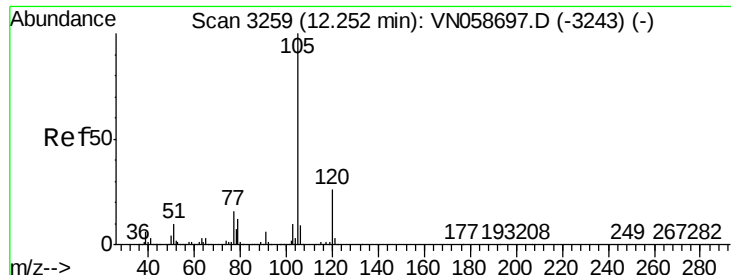
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.4	91.2
150	156.7	0.0	345.4





#73

Isopropylbenzene

Concen: 0.225 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion: 105 Resp: 3988

Ion Ratio Lower Upper

105 100

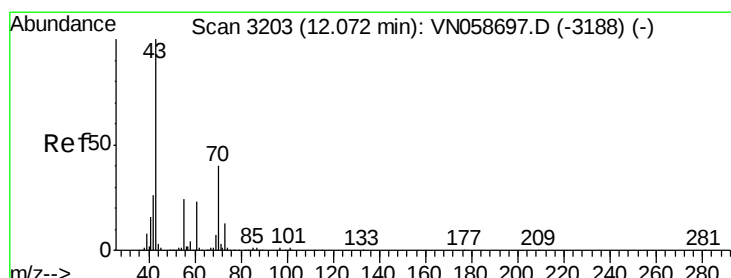
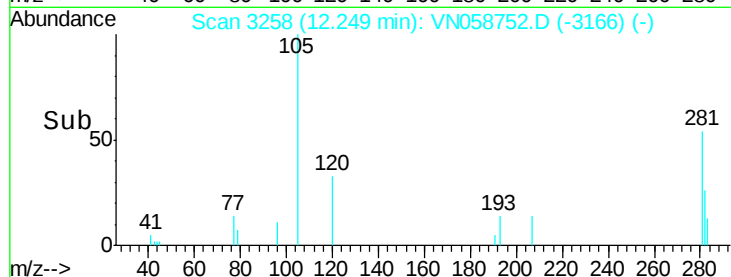
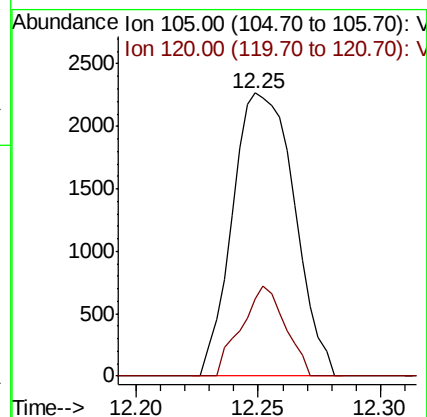
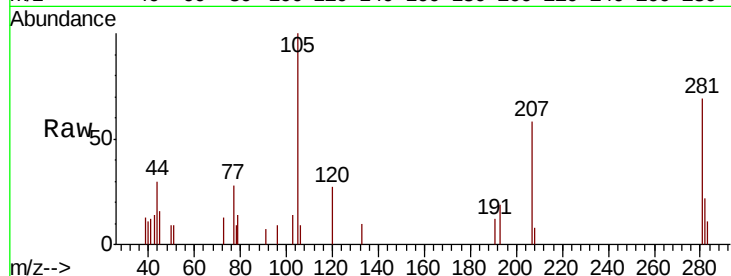
120 22.5 13.1 39.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 0.207 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion: 43 Resp: 1648

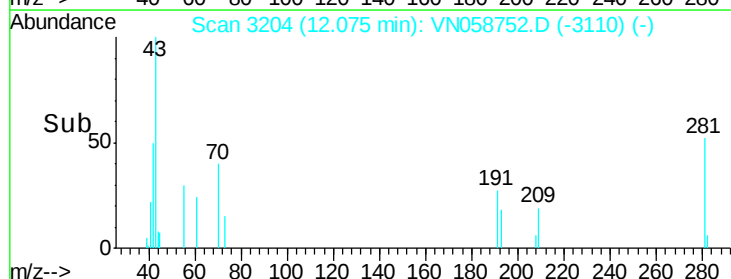
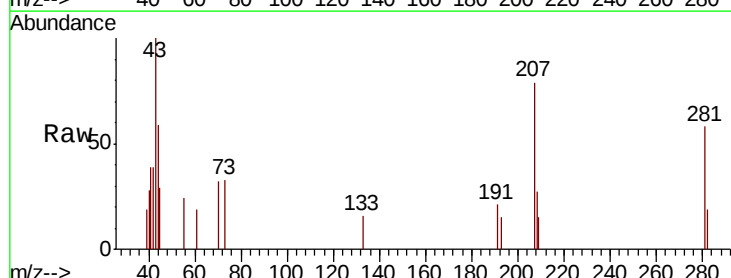
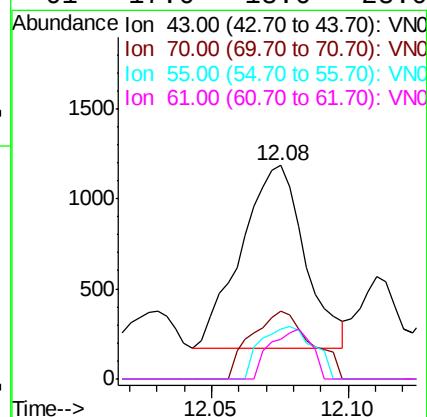
Ion Ratio Lower Upper

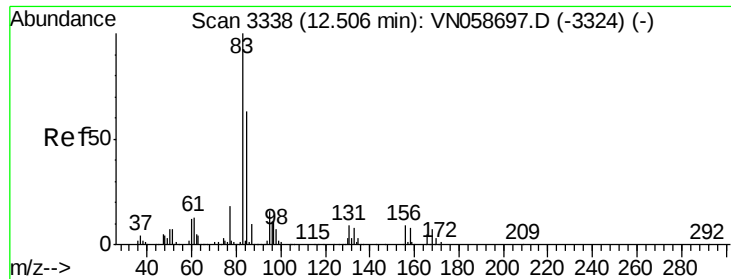
43 100

70 34.6 32.2 48.4

55 23.8 19.6 29.4

61 17.6 18.6 28.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

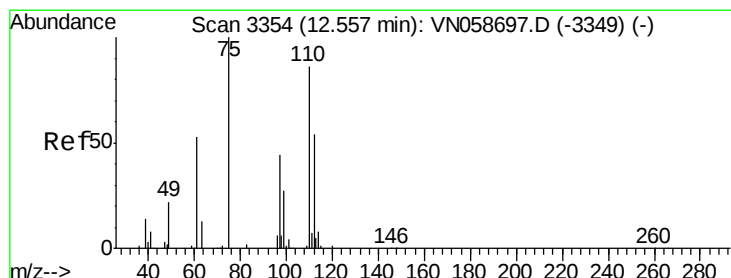
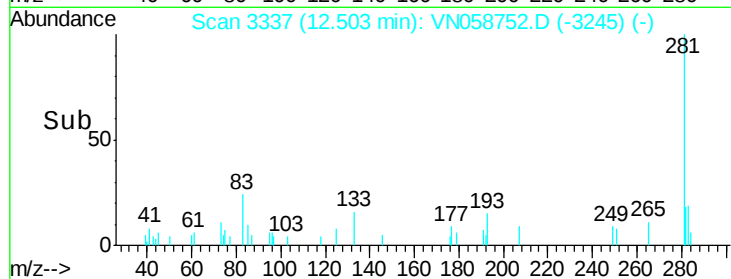
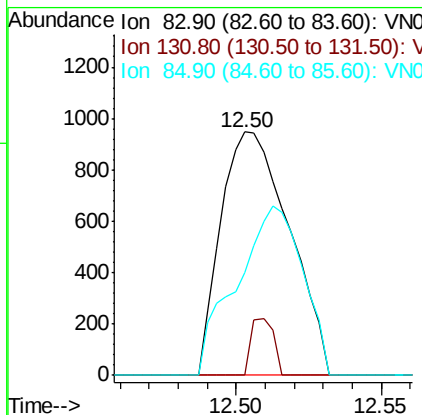
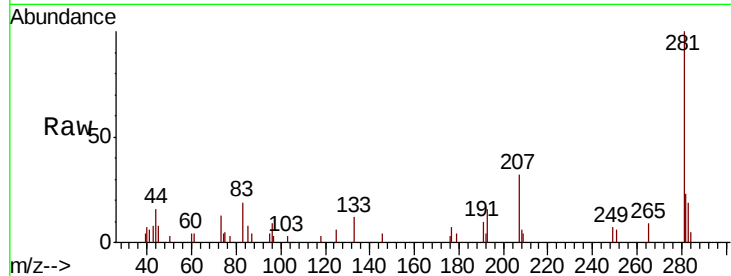
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	83	Resp:	1553
Ion Ratio	Lower	Upper	
83	100		
131	7.6	4.8	14.4
85	67.5	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.423 ug/l m

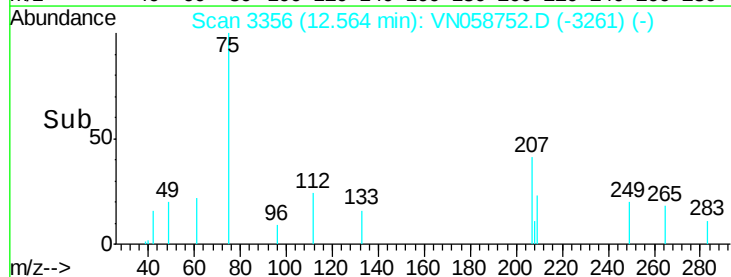
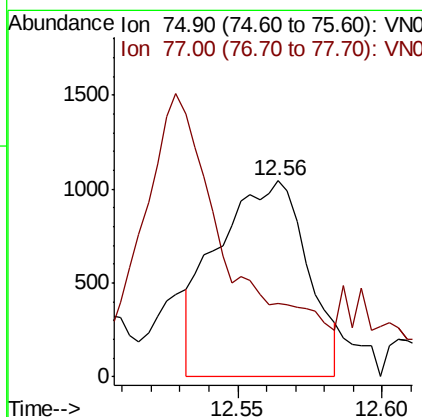
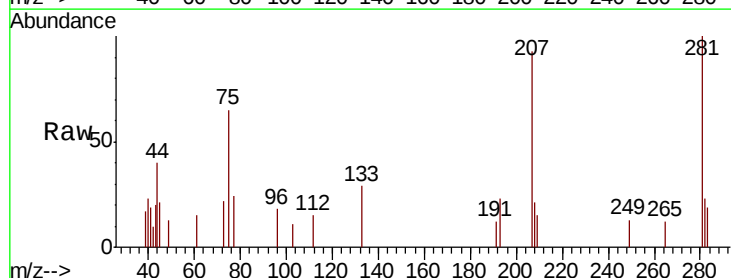
RT: 12.56 min Scan# 3356

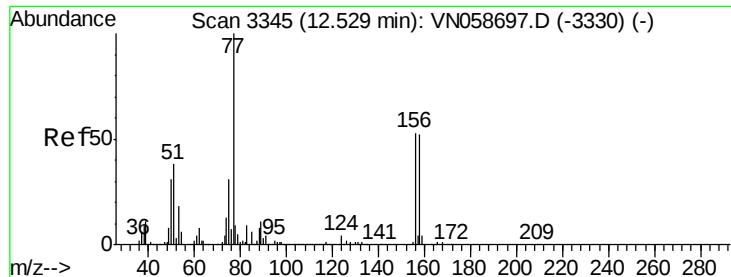
Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	75	Resp:	2267
Ion Ratio	Lower	Upper	
75	100		
77	76.6	0.0	0.0#





#77

Bromobenzene

Concen: 0.236 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

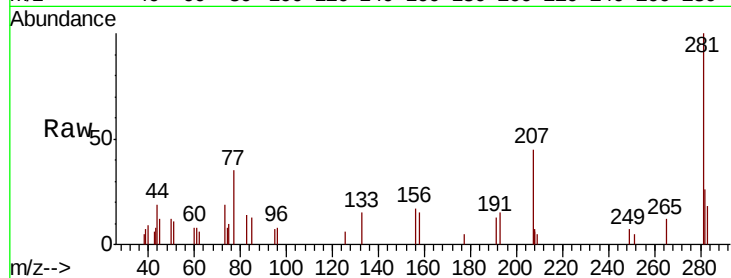
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	156	Resp:	1014
Ion Ratio	Lower	Upper	
156	100		
77	325.5	115.8	347.3
158	101.3	48.9	146.6

Manual Integrations
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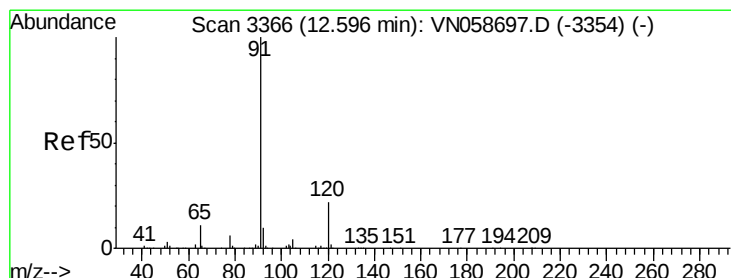
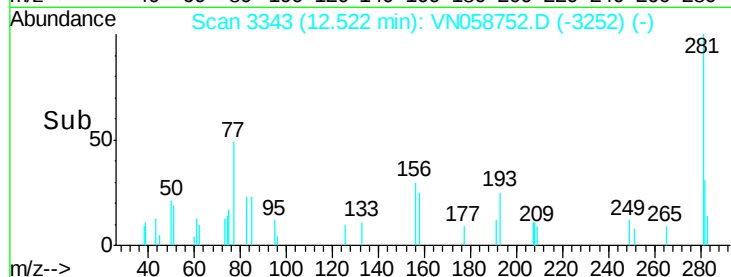
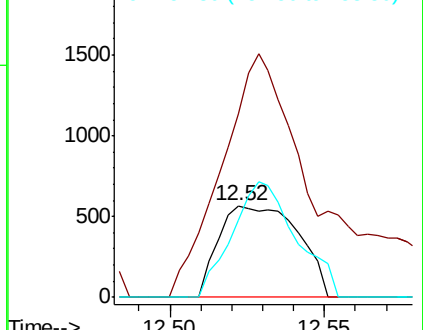
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.230 ug/l

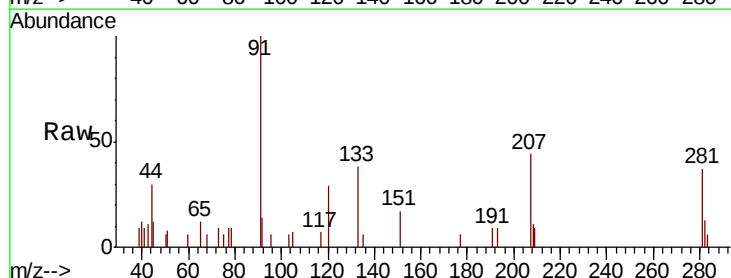
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058752.D

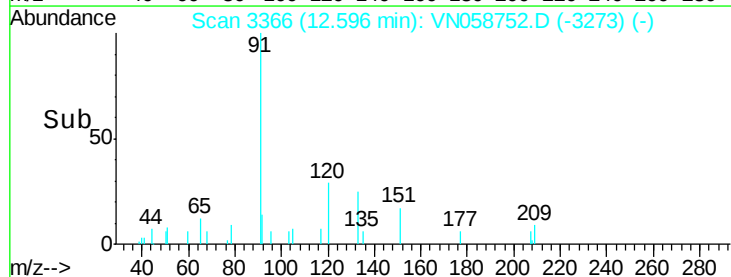
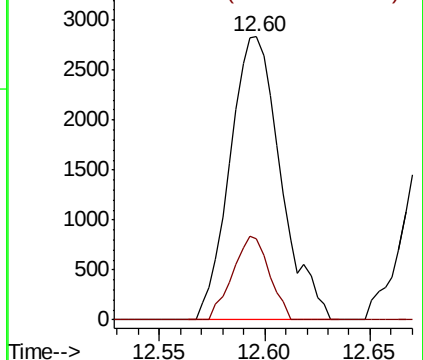
Acq: 14 Oct 2019 16:11

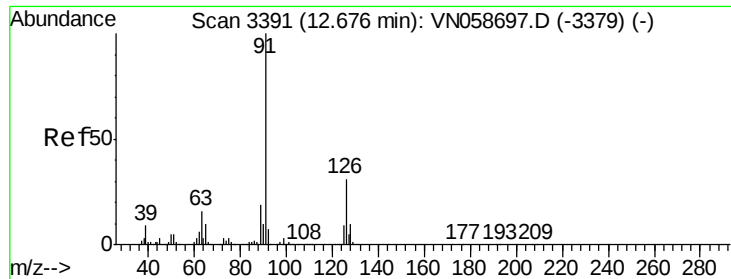
Tgt Ion:	91	Resp:	4745
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





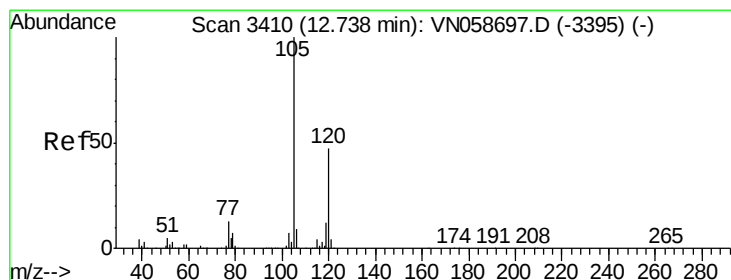
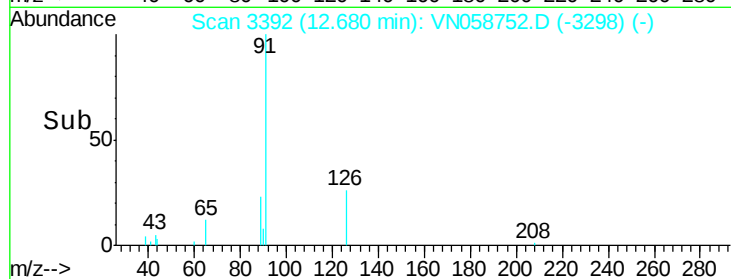
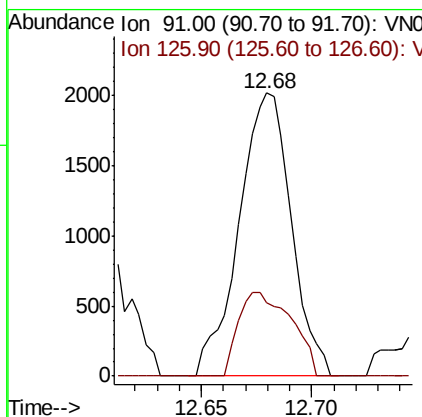
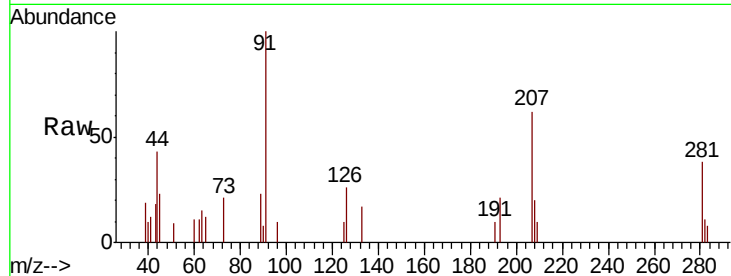
#79
 2-Chlorotoluene
 Concen: 0.259 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.0	16.2	48.5

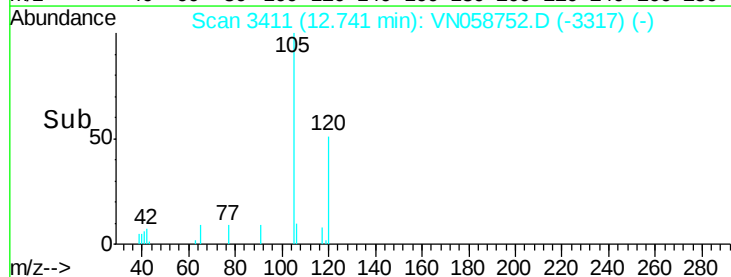
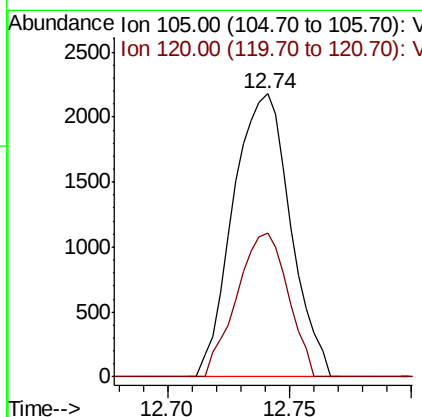
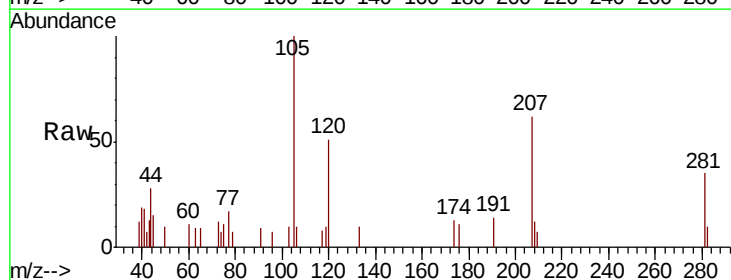
Manual Integrations
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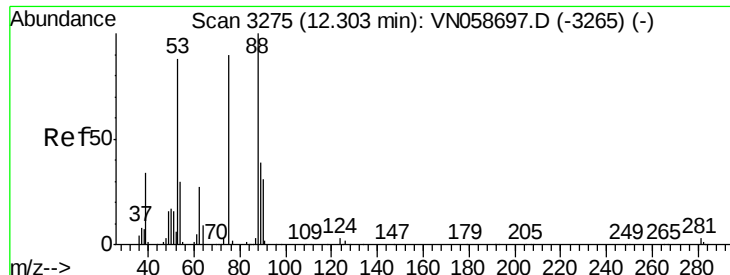
MMDadoda
 10/16/2019 12:57:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.235 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 0.358 ug/l m

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

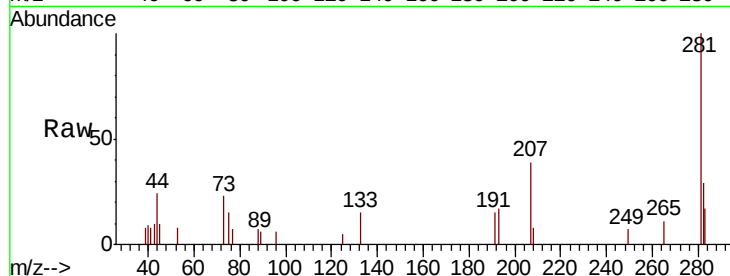
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

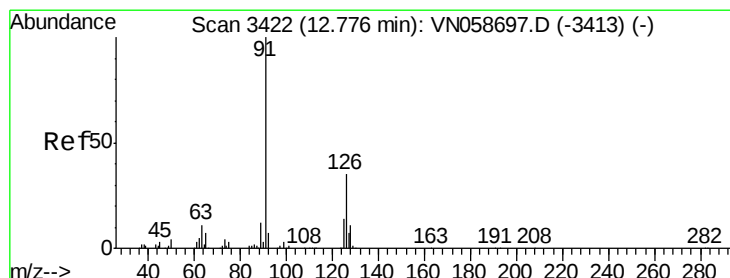
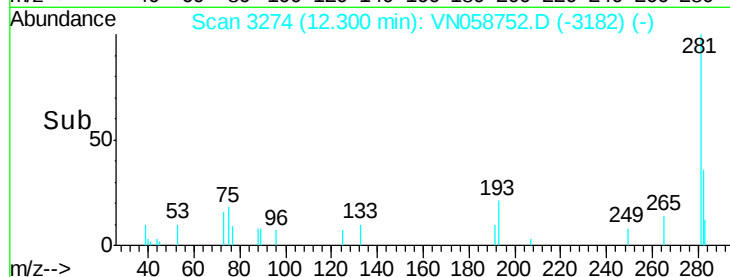
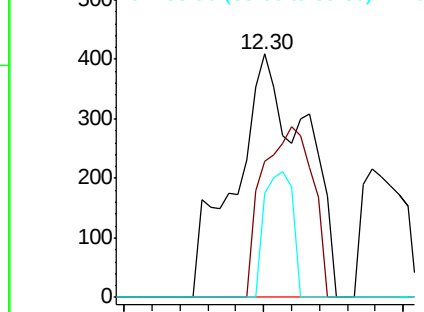
Tot Ion:	75	Resp:	716
Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.4	117.6#
89	5.2	34.9	52.3#

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Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.244 ug/l

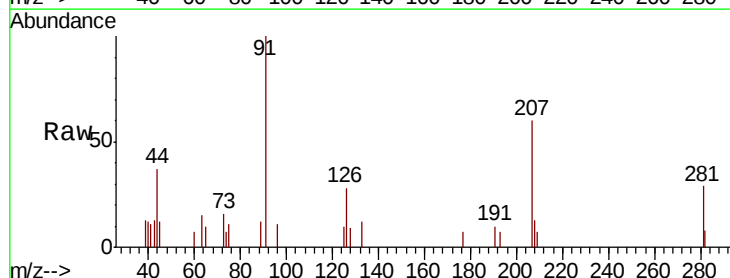
RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

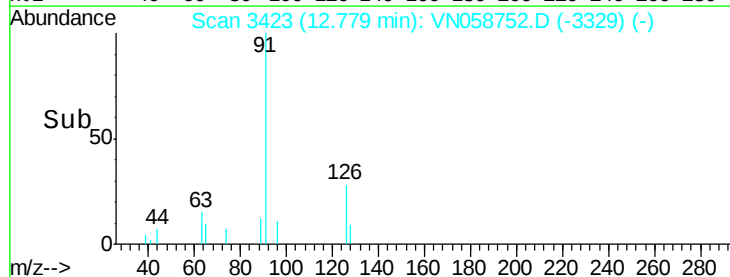
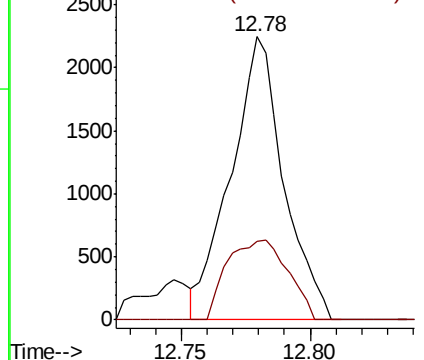
Lab File: VN058752.D

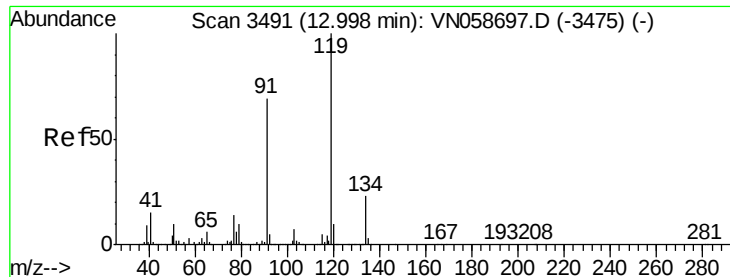
Acq: 14 Oct 2019 16:11

Tgt Ion:	91	Resp:	3205
Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.9	47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.223 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

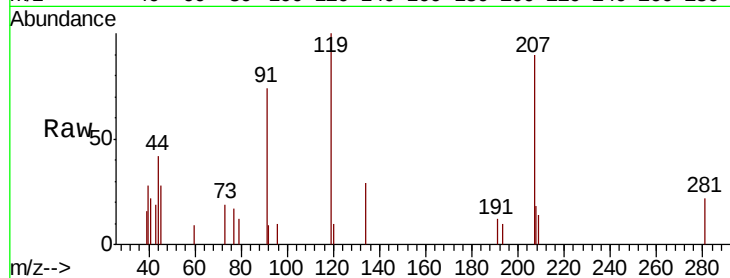
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

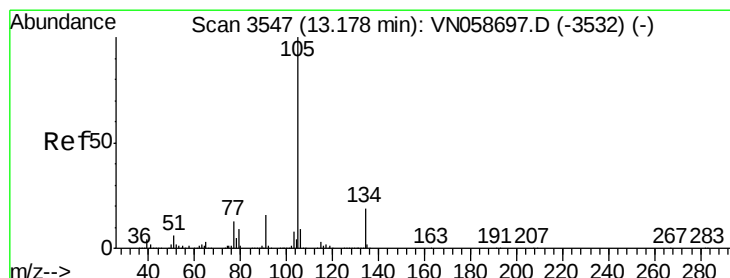
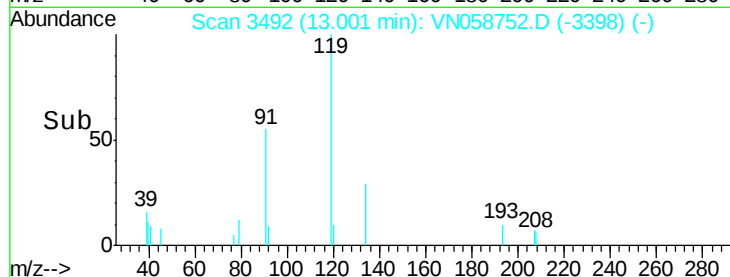
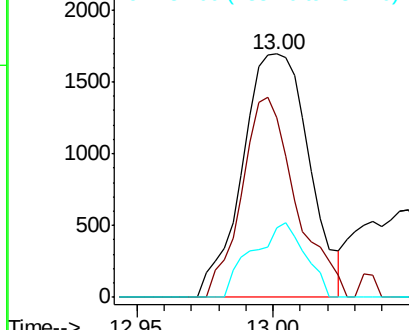
Tot Ion:	119	Resp:	2885
Ion Ratio	Lower	Upper	
119	100		
91	66.2	33.8	101.3
134	24.3	12.6	37.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 0.204 ug/l

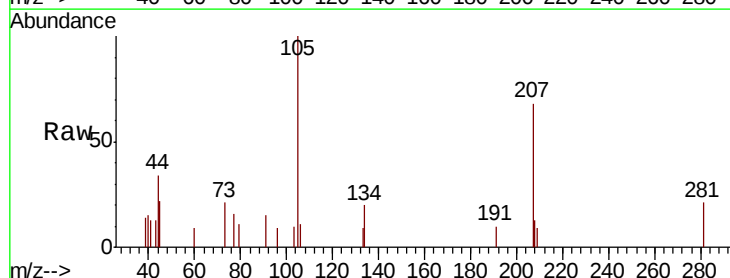
RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

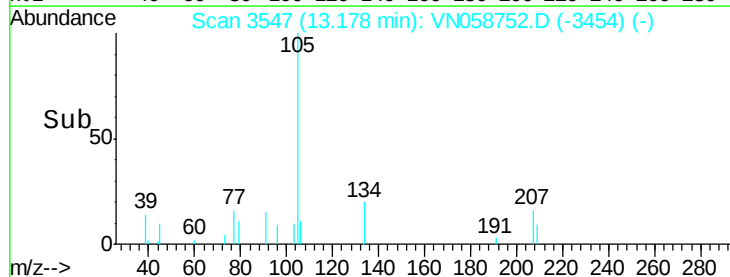
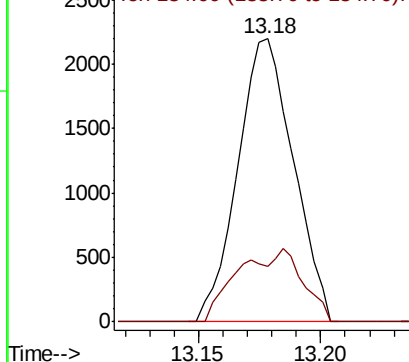
Lab File: VN058752.D

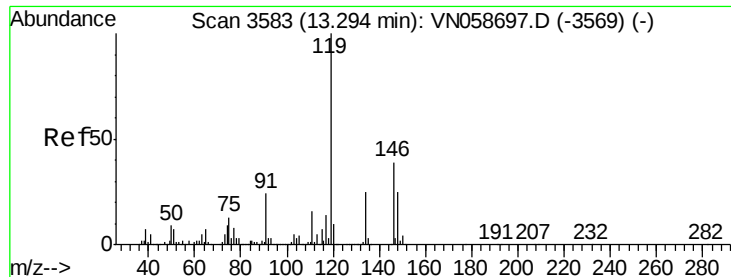
Acq: 14 Oct 2019 16:11

Tgt Ion:	105	Resp:	3470
Ion Ratio	Lower	Upper	
105	100		
134	14.1	9.7	29.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V





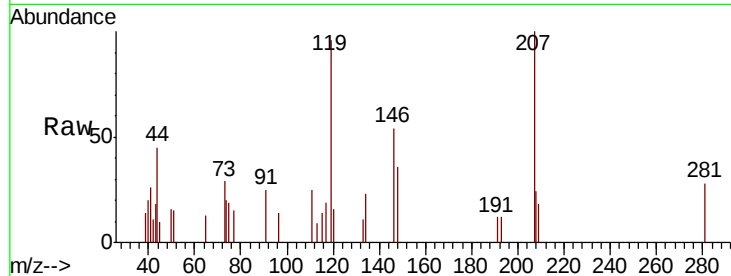
#86
p-Isopropyltoluene
Concen: 0.205 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
119	100		
134	17.6	12.7	38.1
91	18.8	11.9	35.5

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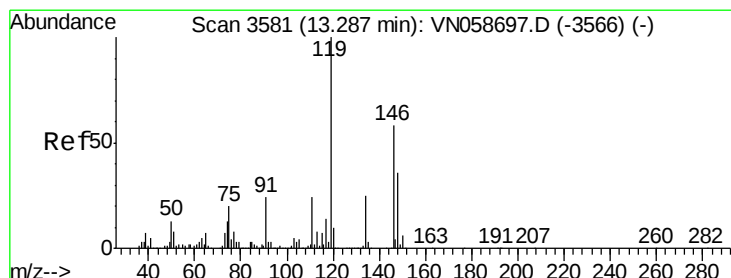
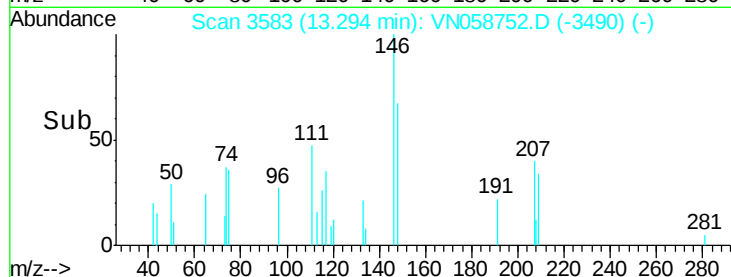
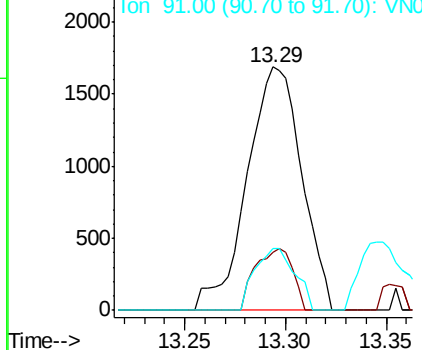


Abundance

Ion 119.00 (118.70 to 119.70): V

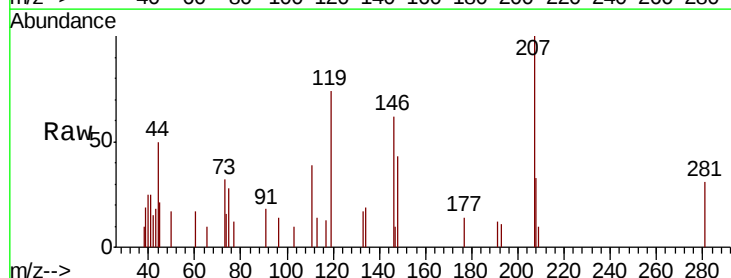
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
1,3-Dichlorobenzene
Concen: 0.230 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	20.5	61.6
148	60.8	31.3	93.9

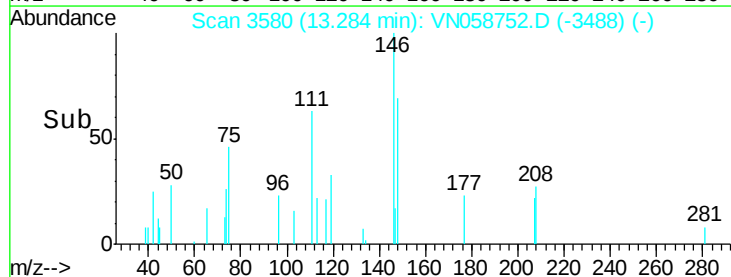
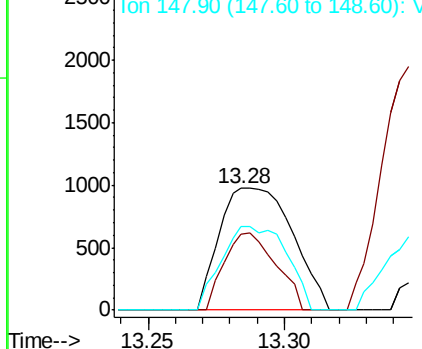


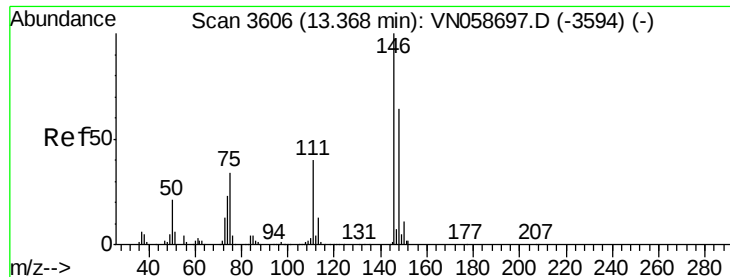
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





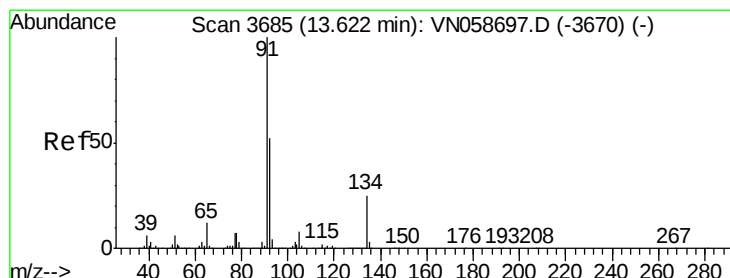
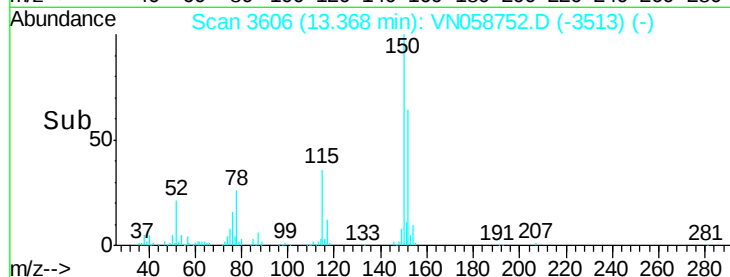
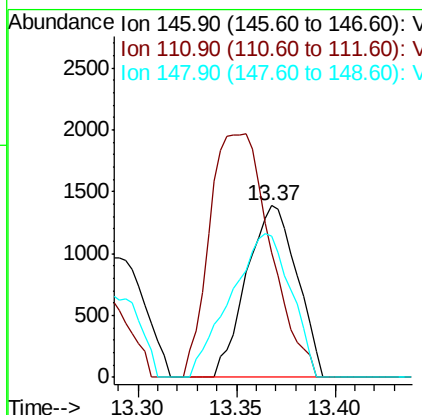
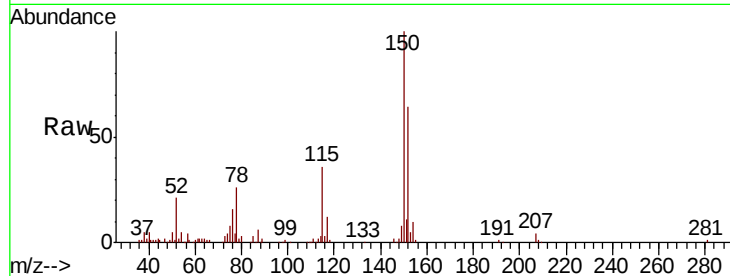
#88
 1,4-Dichlorobenzene
 Concen: 0.303 ug/l m
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.1	20.1	60.2
148	45.3	31.9	95.7

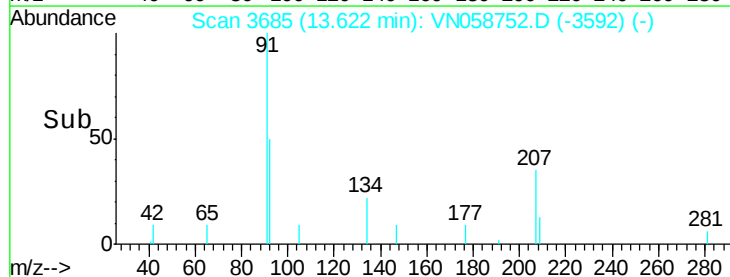
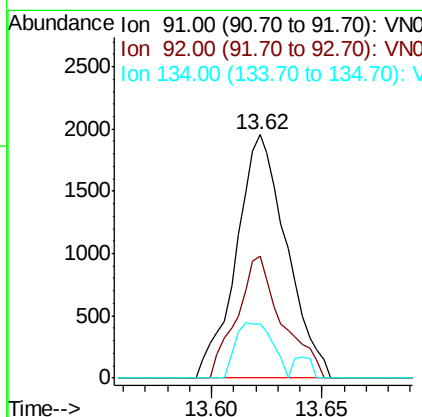
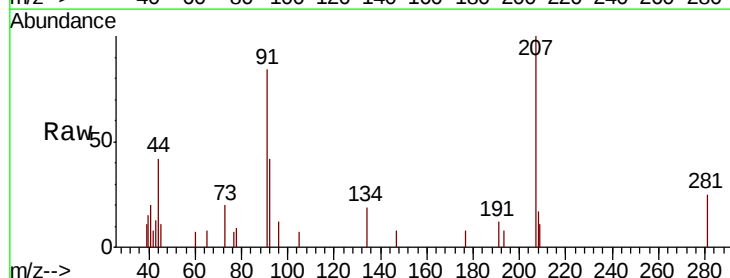
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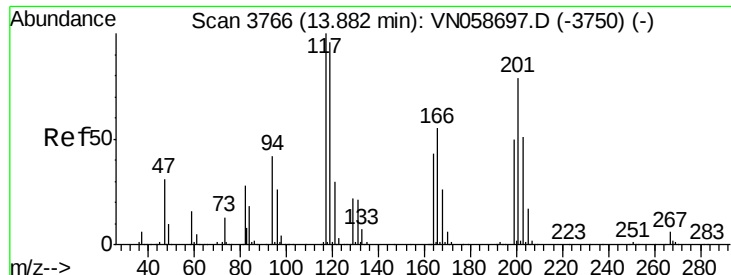
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#89
 n-Butylbenzene
 Concen: 0.216 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.0	26.0	78.0
134	16.8	12.2	36.6





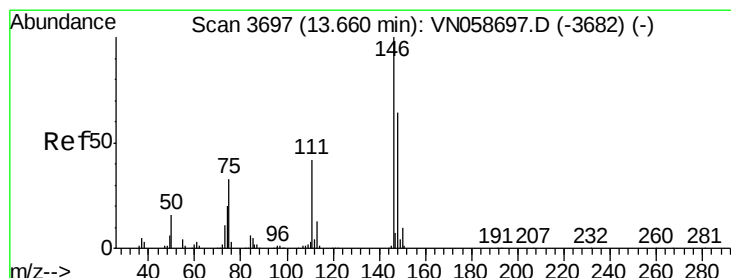
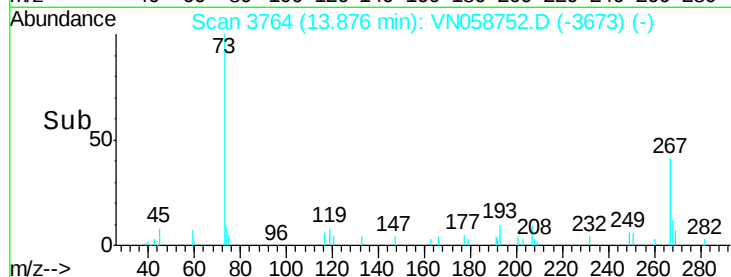
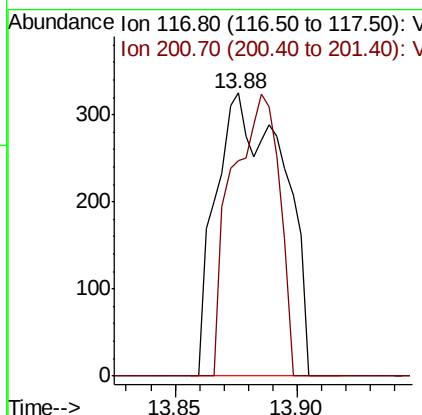
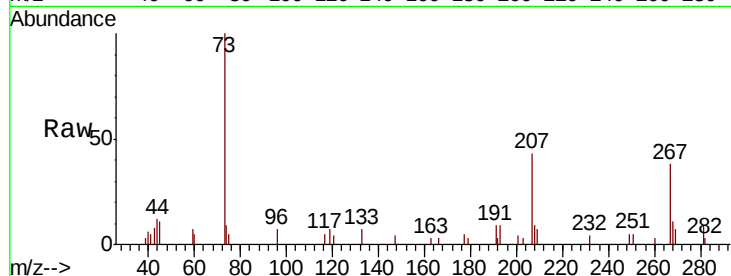
#90
Hexachloroethane
Concen: 0.223 ug/l m
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion:117 Resp: 618
Ion Ratio Lower Upper
117 100
201 70.7 39.6 118.7

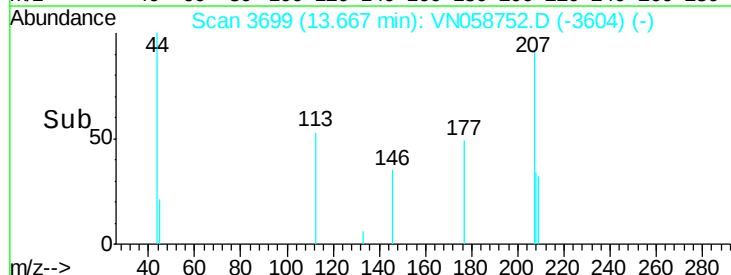
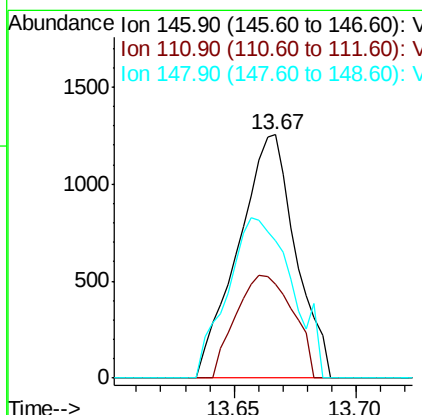
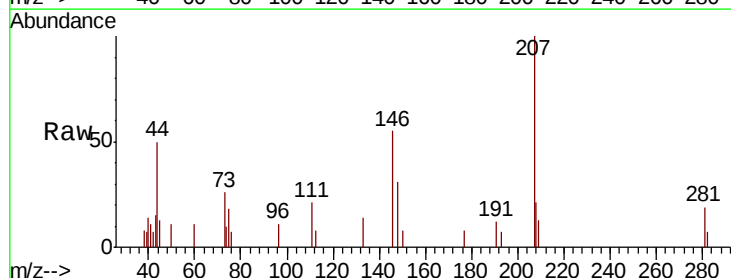
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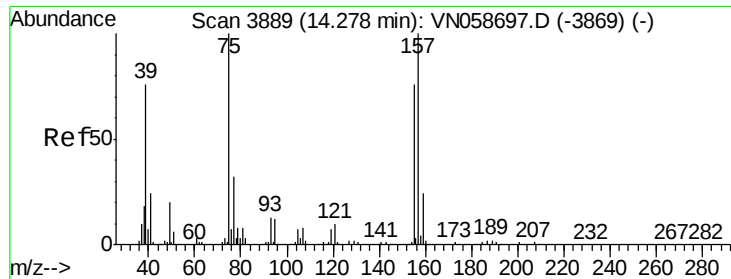
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#91
1,2-Dichlorobenzene
Concen: 0.265 ug/l
RT: 13.67 min Scan# 3699
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion:146 Resp: 2051
Ion Ratio Lower Upper
146 100
111 41.9 21.1 63.4
148 73.9 31.8 95.3





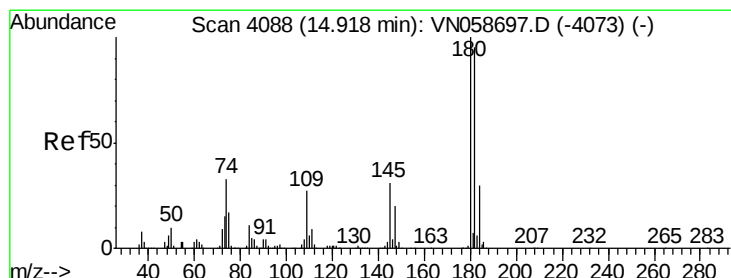
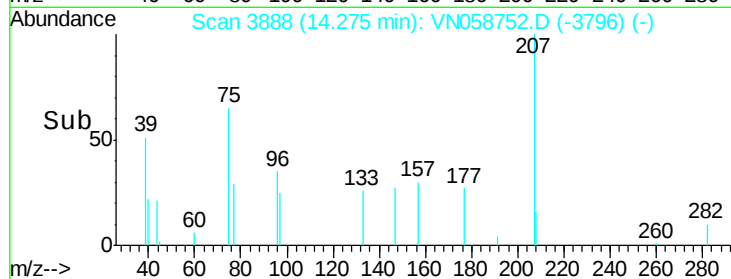
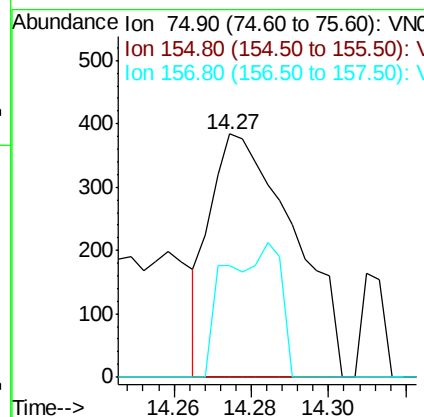
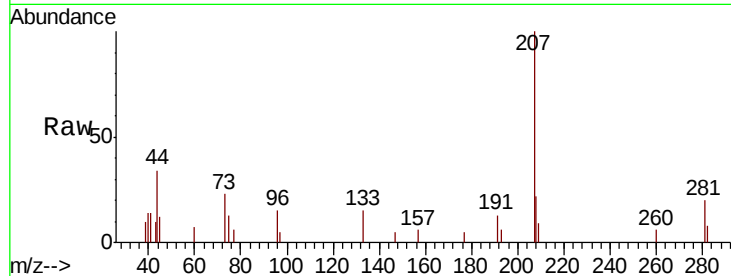
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.423 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
75	100		
155	0.0	37.9	113.6#
157	36.6	49.4	148.2#

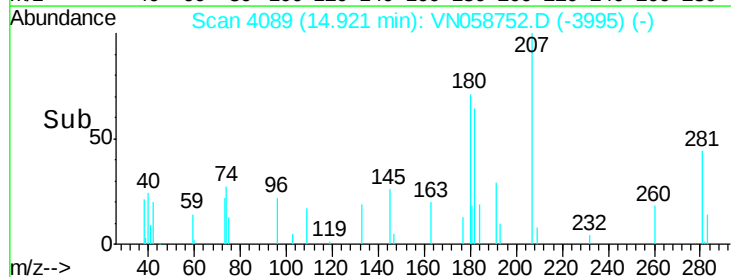
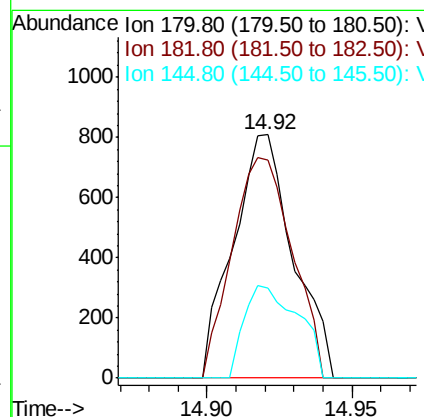
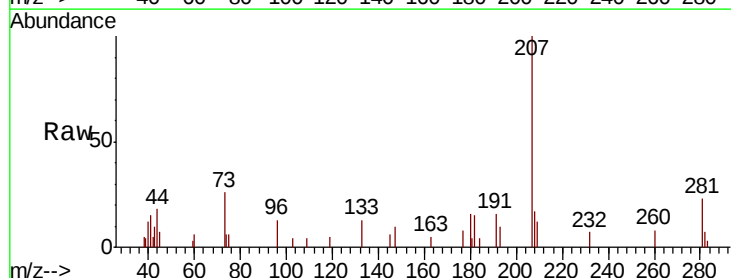
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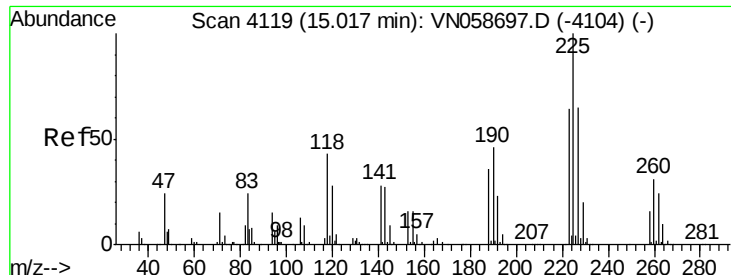
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.4	142.2
145	34.2	15.4	46.2





#94

Hexachlorobutadiene

Concen: 0.229 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

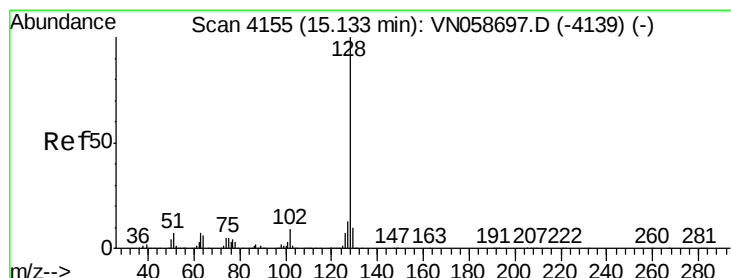
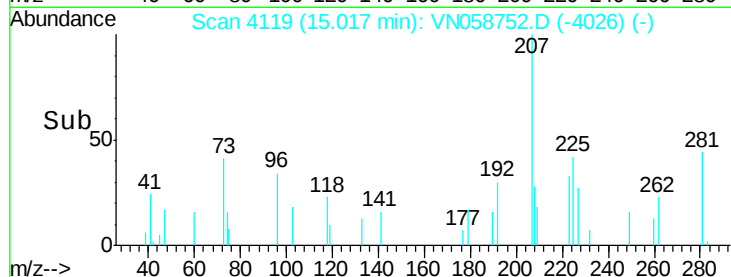
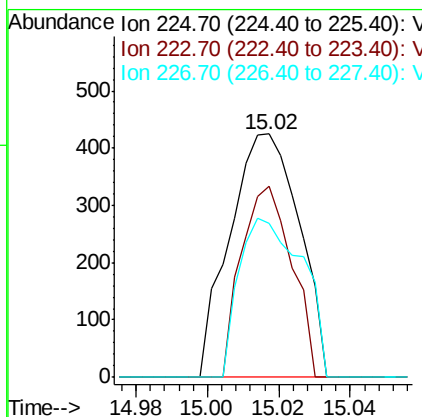
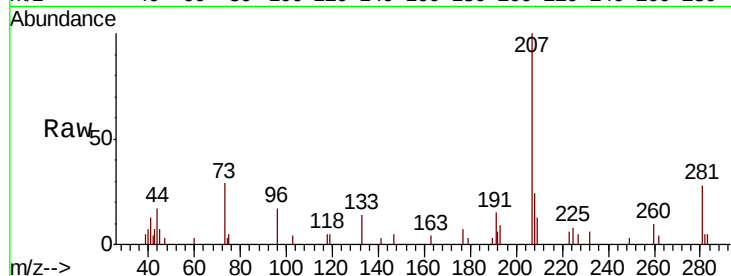
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion:	225	Resp:	570
Ion Ratio	Lower	Upper	
225	100		
223	57.2	32.3	96.8
227	59.6	32.4	97.0

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#95

Naphthalene

Concen: 0.282 ug/l

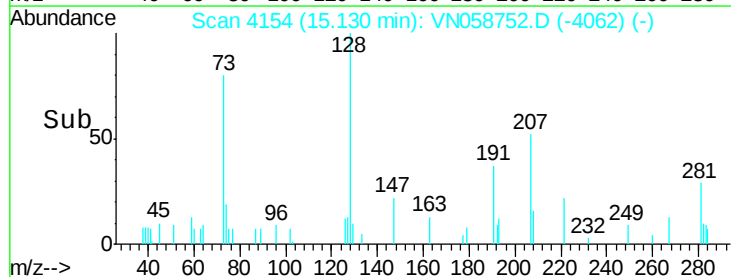
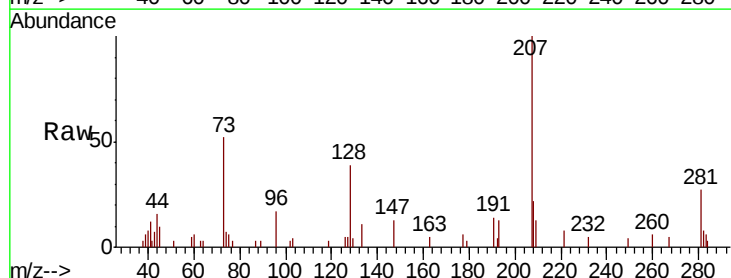
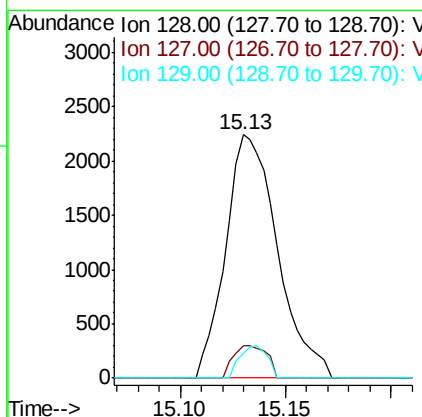
RT: 15.13 min Scan# 4154

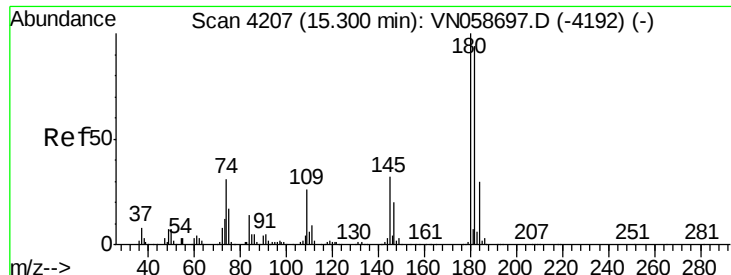
Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion:	128	Resp:	3826
Ion Ratio	Lower	Upper	
128	100		
127	8.6	10.2	15.4#
129	7.0	8.5	12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.271 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion:	180	Resp:	1246
Ion Ratio	Lower	Upper	
180	100		
182	84.3	47.3	142.0
145	39.1	16.2	48.6

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