

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007861.D
 Acq On : 06 Mar 2019 15:40
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 11:08:50 AM

Quant Time: Apr 16 11:07:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 10:59:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	311032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	443629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	394213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	166505	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
35) Dibromofluoromethane	5.50	113	142970	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	8.71	98	543385	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.13	95	188087	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1351	0.508	ug/l	96
3) Chloromethane	1.33	50	1939	0.566	ug/l	97
4) Vinyl Chloride	1.41	62	1700	0.500	ug/l	98
5) Bromomethane	1.64	94	1263	0.610	ug/l	97
6) Chloroethane	1.72	64	1269m	0.561	ug/l	
7) Trichlorofluoromethane	1.93	101	2233	0.504	ug/l	99
8) Diethyl Ether	2.19	74	1014	0.529	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1469	0.535	ug/l	95
10) Methyl Iodide	2.51	142	8213	2.109	ug/l	98
11) Tert butyl alcohol	3.06	59	10189	13.886	ug/l	99
12) 1,1-Dichloroethene	2.38	96	1383	0.523	ug/l	86
13) Acrolein	2.29	56	8846	19.965	ug/l	100
14) Allyl chloride	2.73	41	2475	0.445	ug/l #	82
15) Acrylonitrile	3.15	53	4956	2.676	ug/l	99
16) Acetone	2.45	43	5751	3.028	ug/l	90
17) Carbon Disulfide	2.57	76	5134	0.578	ug/l	96
18) Methyl Acetate	2.78	43	2177	0.540	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	4633	0.509	ug/l	94
20) Methylene Chloride	2.85	84	1975	0.653	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	1705	0.586	ug/l	96
22) Diisopropyl ether	3.87	45	5396	0.529	ug/l #	98
23) Vinyl Acetate	3.82	43	21460	2.401	ug/l	97
24) 1,1-Dichloroethane	3.70	63	2697	0.492	ug/l #	90
25) 2-Butanone	4.70	43	7057	2.625	ug/l	96
26) 2,2-Dichloropropane	4.59	77	1787	0.492	ug/l #	74
27) cis-1,2-Dichloroethene	4.60	96	1646	0.494	ug/l	68
28) Bromochloromethane	5.01	49	1282	0.501	ug/l #	99
29) Tetrahydrofuran	5.17	42	4409	2.629	ug/l	95
30) Chloroform	5.21	83	2581	0.497	ug/l #	79
31) Cyclohexane	5.58	56	2596	0.515	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	2007	0.466	ug/l #	45
36) 1,1-Dichloropropene	5.79	75	2360	0.588	ug/l	99
37) Ethyl Acetate	4.86	43	2628	0.551	ug/l #	85
38) Carbon Tetrachloride	5.78	117	1894	0.497	ug/l #	77

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2435	0.500	ug/l	98
40) Benzene	6.14	78	6103	0.510	ug/l #	87
41) Methacrylonitrile	5.07	41	1470	0.566	ug/l #	85
42) 1,2-Dichloroethane	6.19	62	2160	0.552	ug/l	89
43) Isopropyl Acetate	6.46	43	3303	0.468	ug/l	98
44) Trichloroethene	7.21	130	1636	0.496	ug/l	93
45) 1,2-Dichloropropane	7.52	63	1507	0.477	ug/l #	87
46) Dibromomethane	7.66	93	1049	0.525	ug/l	88
47) Bromodichloromethane	7.90	83	1751	0.462	ug/l	93
48) Methyl methacrylate	7.77	41	1834	0.494	ug/l	98
49) 1,4-Dioxane	7.76	88	728	9.555	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	10441	2.301	ug/l	99
52) Toluene	8.79	92	3913	0.536	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	1518	0.384	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	1806	0.404	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	1482	0.501	ug/l	97
56) Ethyl methacrylate	9.18	69	2141	0.482	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	2309	0.465	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	5277	2.299	ug/l	95
59) 2-Hexanone	9.49	43	8092	2.297	ug/l	93
60) Dibromochloromethane	9.58	129	1310	0.424	ug/l	96
61) 1,2-Dibromoethane	9.67	107	1493	0.476	ug/l	99
64) Tetrachloroethene	9.34	164	1699	0.520	ug/l	92
65) Chlorobenzene	10.13	112	4252	0.515	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	1287	0.435	ug/l #	63
67) Ethyl Benzene	10.25	91	6572	0.484	ug/l	97
68) m/p-Xylenes	10.36	106	4658	0.890	ug/l	93
69) o-Xylene	10.70	106	2364	0.468	ug/l	98
70) Styrene	10.71	104	3603	0.436	ug/l	98
71) Bromoform	10.85	173	943	0.371	ug/l #	97
73) Isopropylbenzene	11.02	105	6116	0.480	ug/l	98
74) N-amyl acetate	10.90	43	2350	0.404	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	2281	0.519	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2066m	0.523	ug/l	
77) Bromobenzene	11.25	156	1936	0.554	ug/l	97
78) n-propylbenzene	11.36	91	6946	0.491	ug/l	96
79) 2-Chlorotoluene	11.42	91	4453	0.515	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	4977	0.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	86164	69.663	ug/l #	11
82) 4-Chlorotoluene	11.51	91	5220	0.527	ug/l	99
83) tert-Butylbenzene	11.77	119	4975	0.471	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	4905	0.456	ug/l	97
85) sec-Butylbenzene	11.94	105	5786	0.465	ug/l	100
86) p-Isopropyltoluene	12.06	119	4927	0.442	ug/l	87
87) 1,3-Dichlorobenzene	12.02	146	3247	0.525	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	3511m	0.555	ug/l	
89) n-Butylbenzene	12.38	91	4047	0.429	ug/l	96
90) Hexachloroethane	12.60	117	792	0.425	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	3027	0.493	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.00	75	370	0.403	ug/l	88

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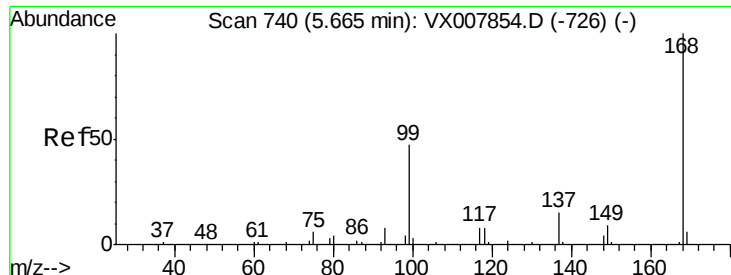
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1945	0.451	ug/l	95
94) Hexachlorobutadiene	13.78	225	1152	0.511	ug/l	94
95) Naphthalene	13.83	128	5016	0.404	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1958	0.456	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:168 Resp: 311032

Ion Ratio Lower Upper

168 100

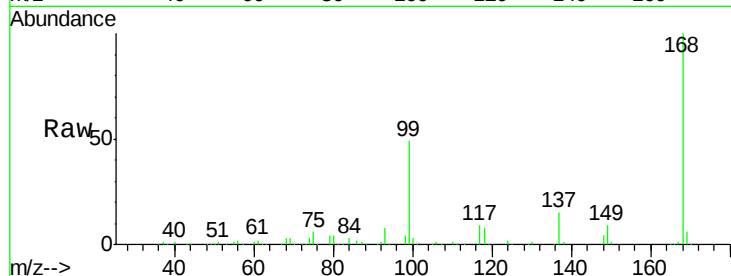
99 48.8 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

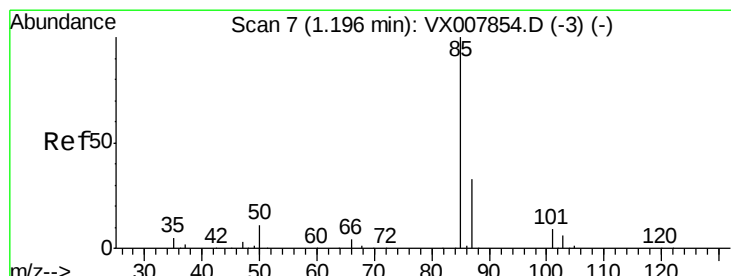
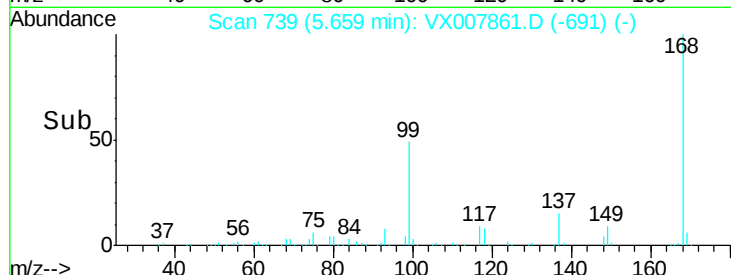
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.508 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007861.D

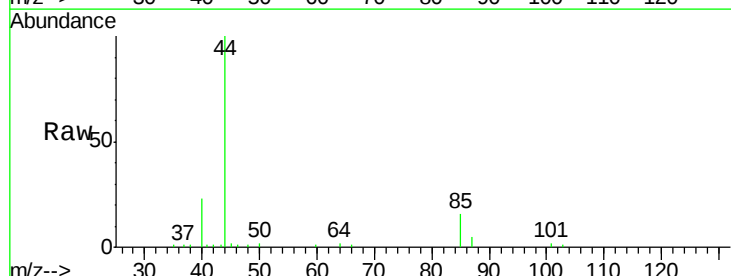
Acq: 06 Mar 2019 15:40

Tgt Ion: 85 Resp: 1351

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

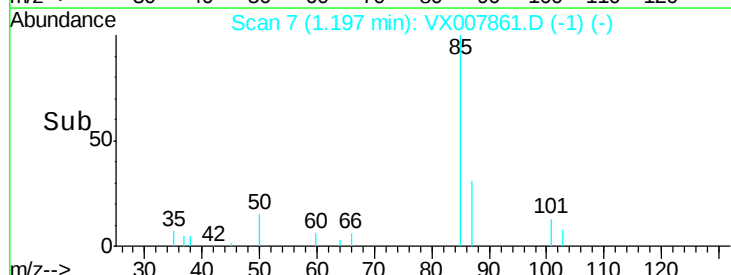
1.20

1000

500

0

Time-->





#3

Chloromethane

Concen: 0.566 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 50 Resp: 1939

Ion Ratio Lower Upper

50 100

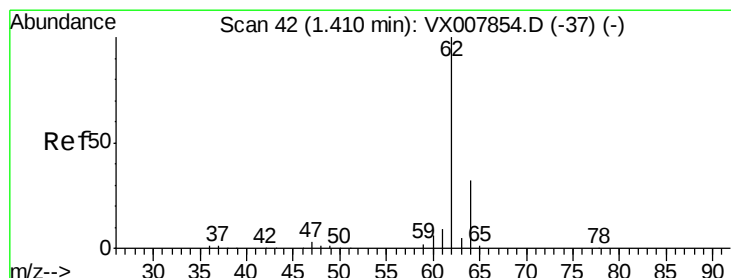
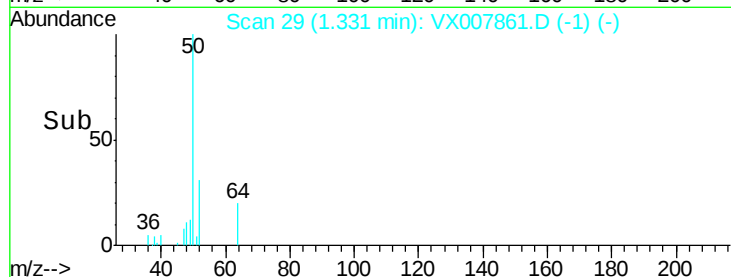
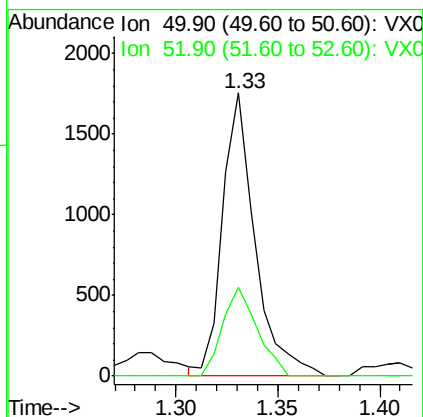
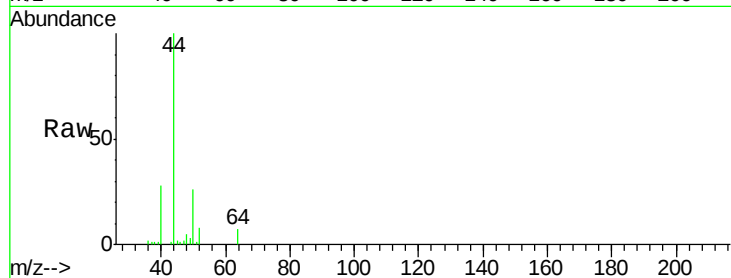
52 31.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 0.500 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007861.D

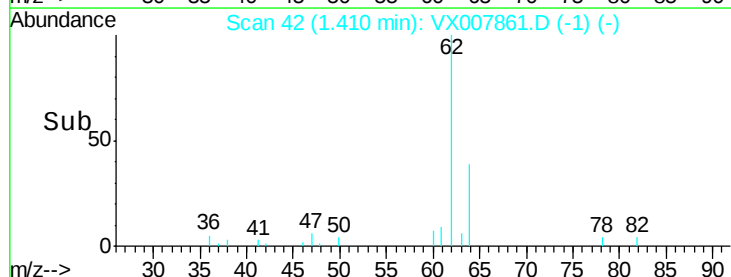
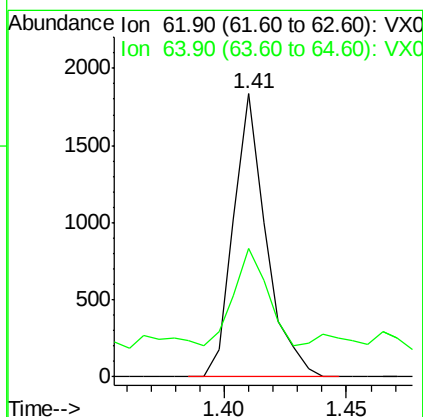
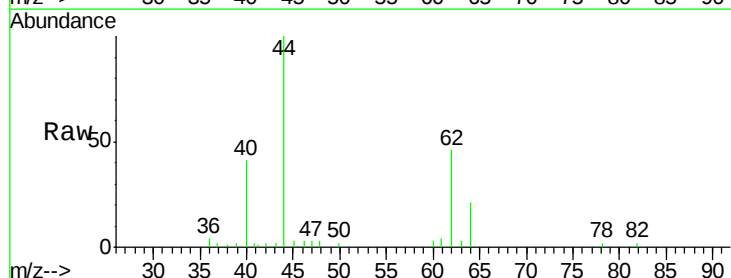
Acq: 06 Mar 2019 15:40

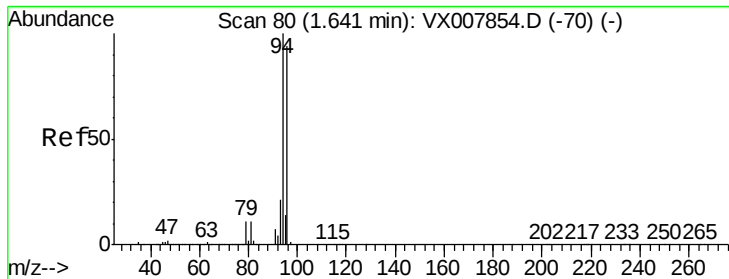
Tgt Ion: 62 Resp: 1700

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 0.610 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 94 Resp: 1263

Ion Ratio Lower Upper

94 100

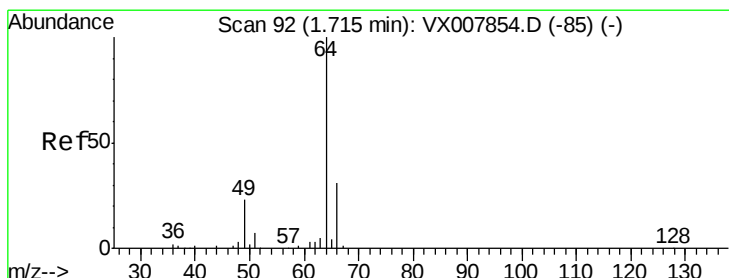
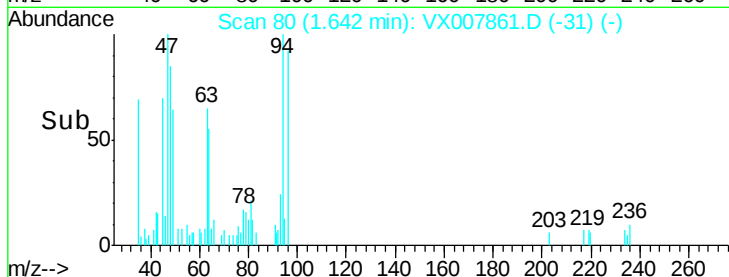
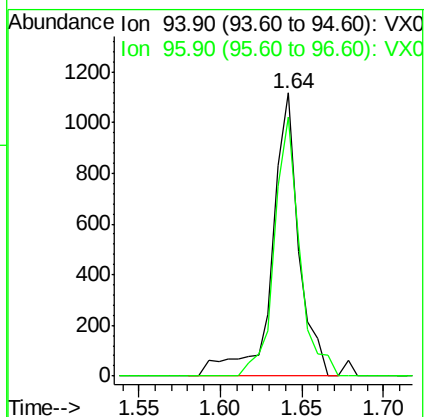
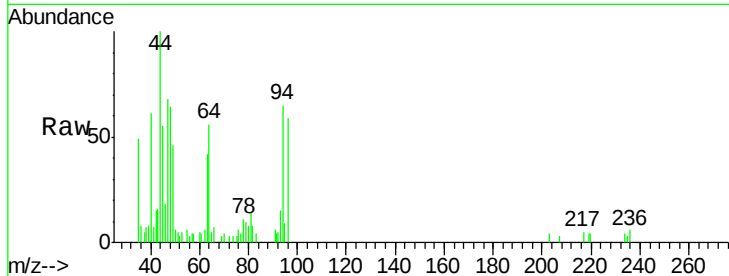
96 91.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 0.561 ug/l m

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007861.D

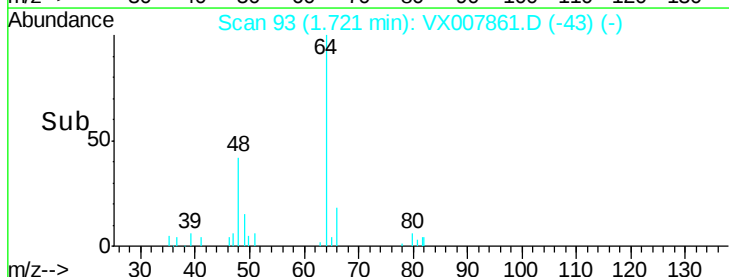
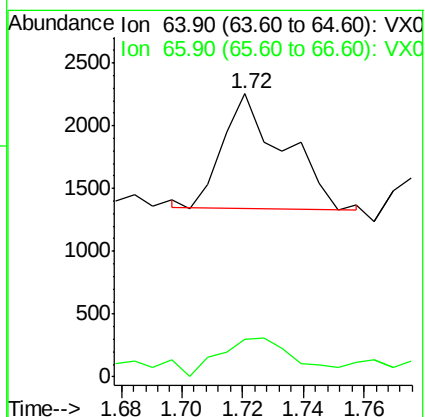
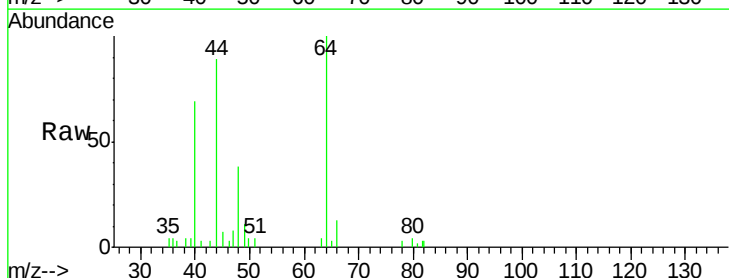
Acq: 06 Mar 2019 15:40

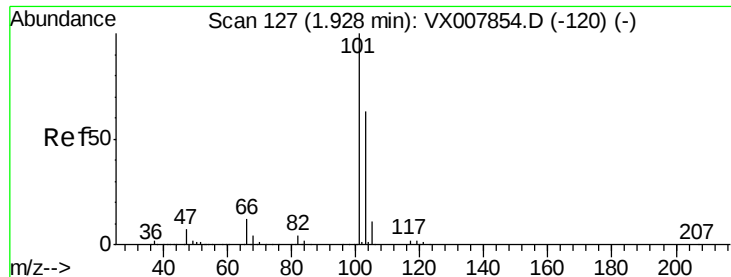
Tgt Ion: 64 Resp: 1269

Ion Ratio Lower Upper

64 100

66 13.3 25.2 37.8#





#7

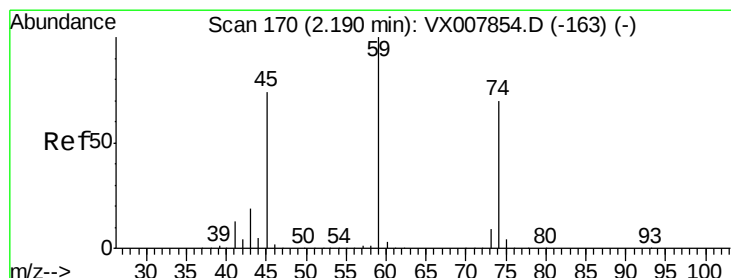
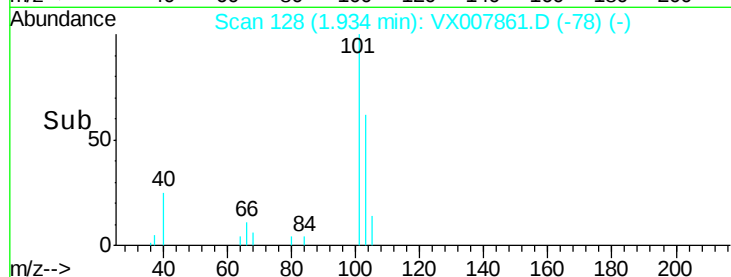
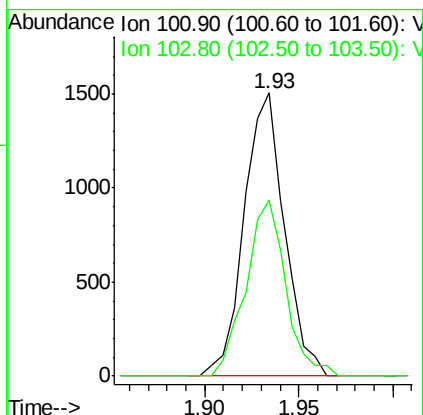
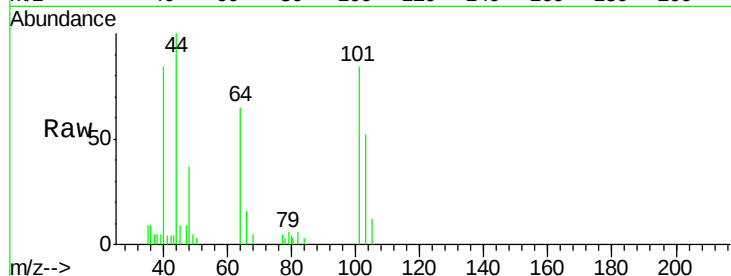
Trichlorofluoromethane
Concen: 0.504 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007861.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	50.4	75.6

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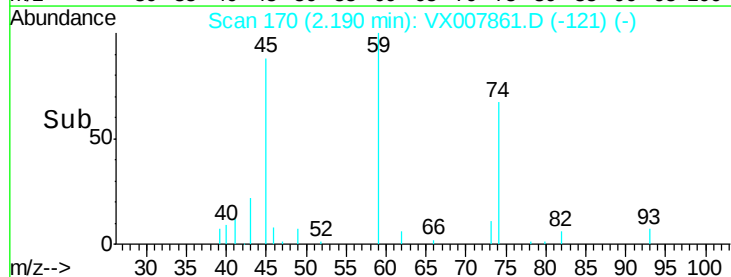
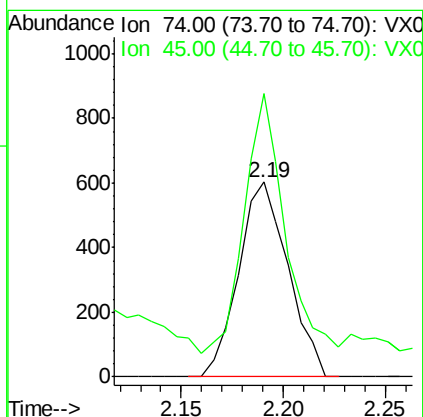
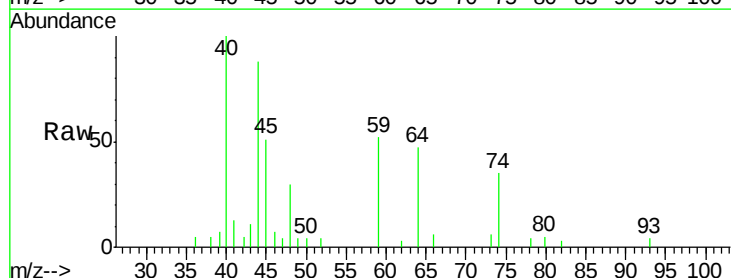
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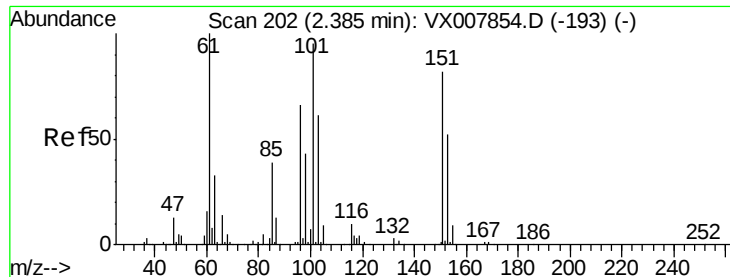


#8

Diethyl Ether
Concen: 0.529 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.4	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.535 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

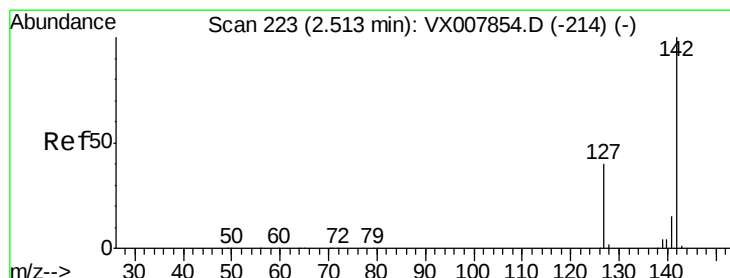
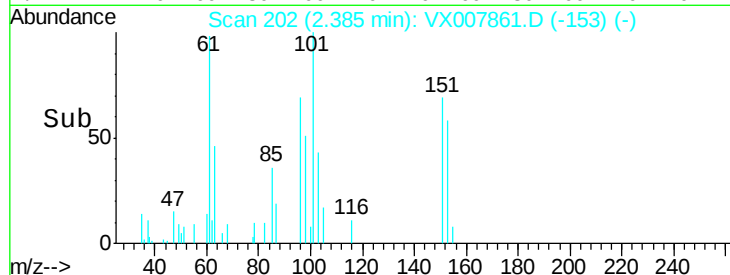
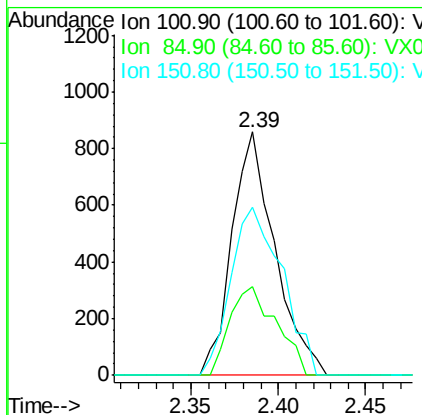
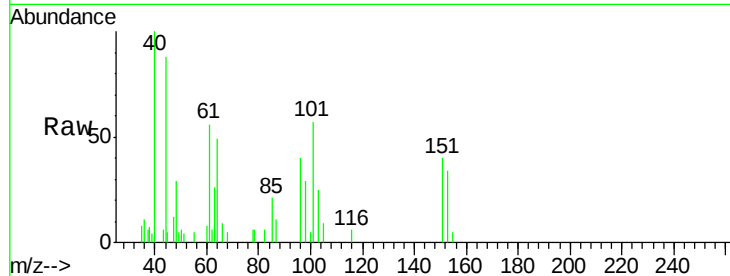
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	101	Resp:	1469
Ion	Ratio	Lower	Upper
101	100		
85	39.1	33.8	50.6
151	81.9	69.1	103.7

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#10

Methyl Iodide

Concen: 2.109 ug/l

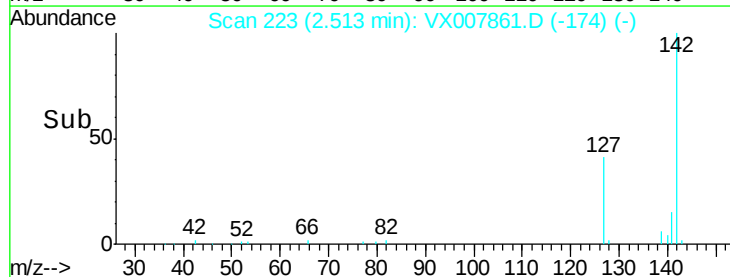
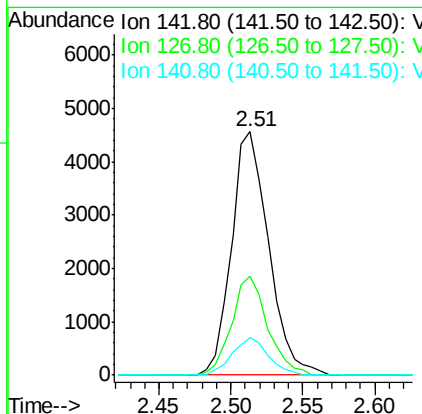
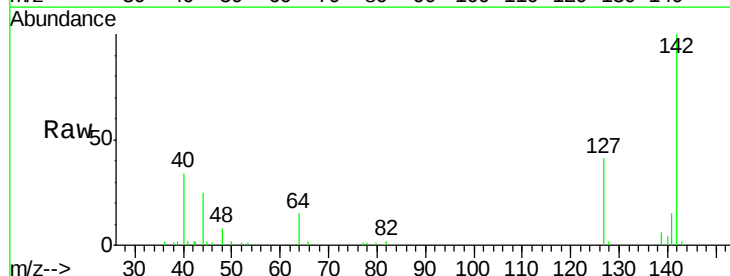
RT: 2.51 min Scan# 223

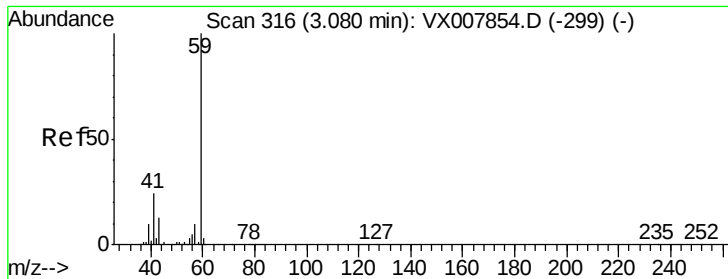
Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	142	Resp:	8213
Ion	Ratio	Lower	Upper
142	100		
127	39.0	32.1	48.1
141	14.8	11.4	17.2





#11

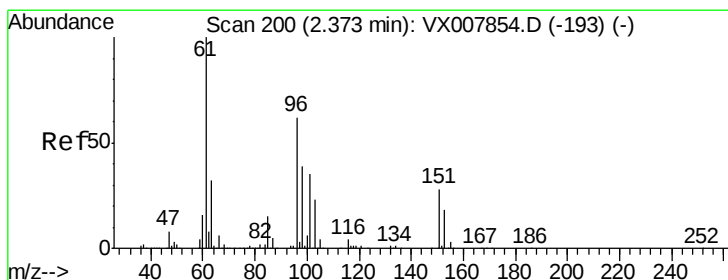
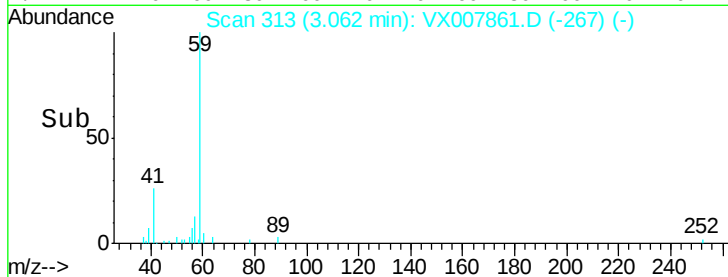
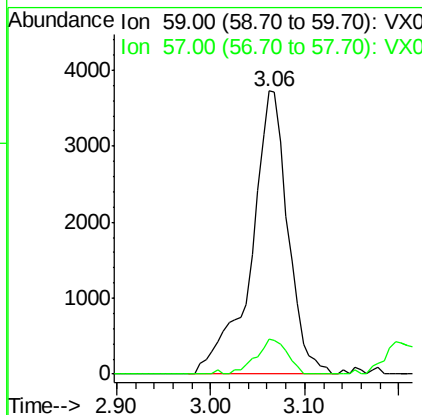
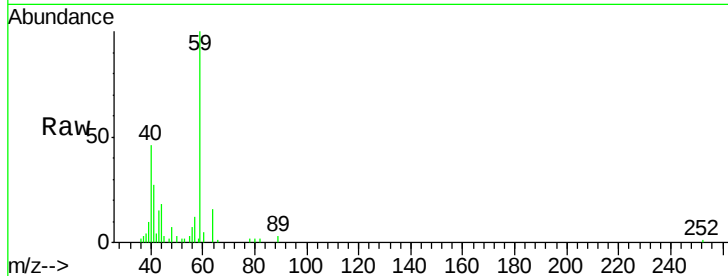
Tert butyl alcohol
 Concen: 13.886 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	59	Resp	10189
Ion Ratio	59	100	
Lower	57	10.5	8.2
Upper			12.2

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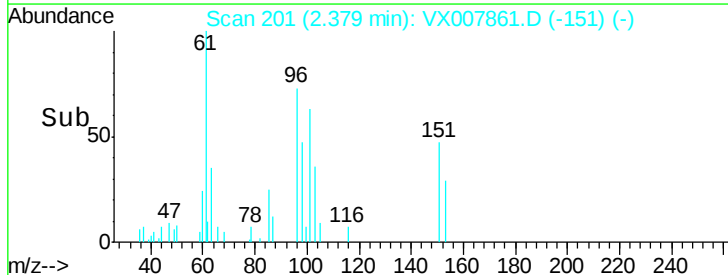
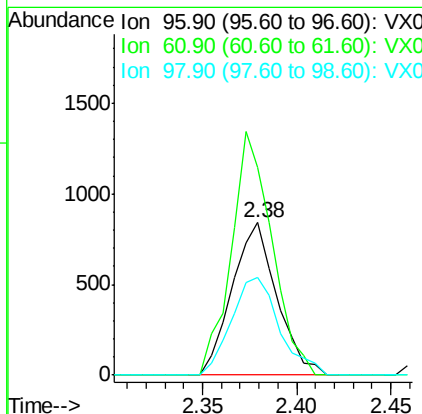
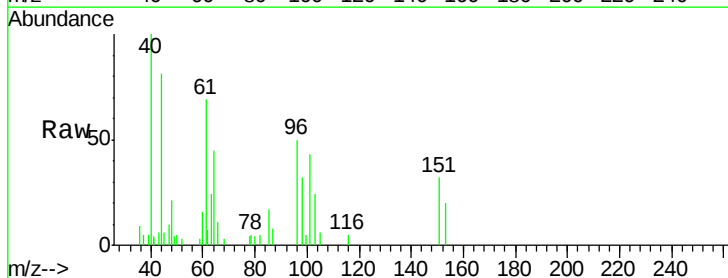
MMDadoda
 4/16/2019 11:08:50 AM



#12

1,1-Dichloroethene
 Concen: 0.523 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Tgt Ion	96	Resp	1383
Ion Ratio	96	100	
Lower	61	136.3	129.8
Upper	98	63.9	51.0
			76.6





#13

Acrolein

Concen: 19.965 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 56 Resp: 8846

Ion Ratio Lower Upper

56 100

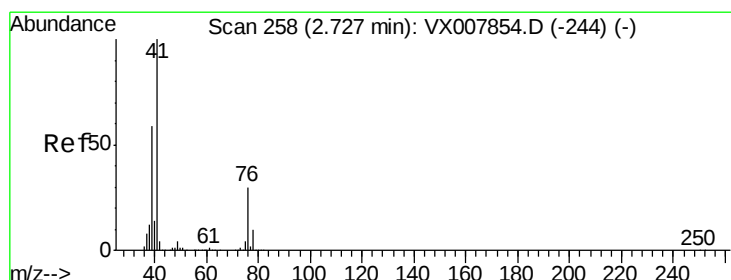
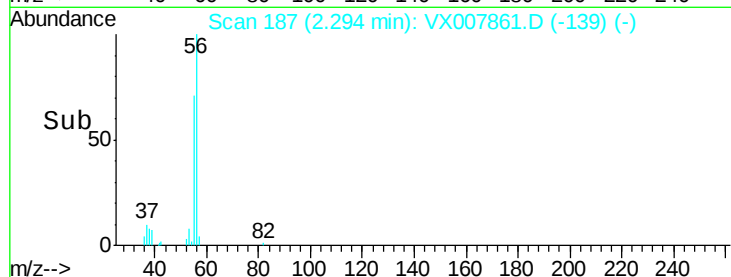
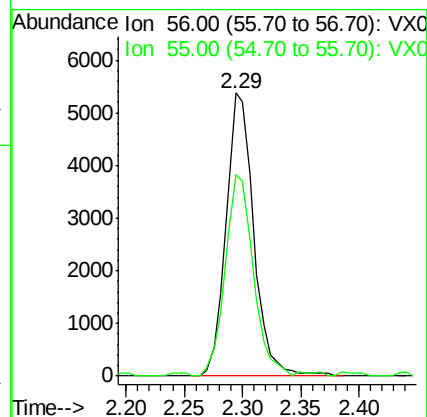
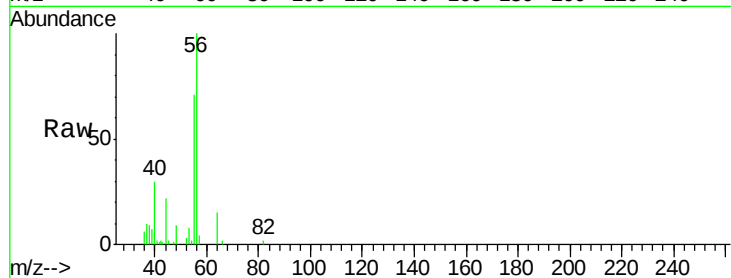
55 72.1 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 0.445 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

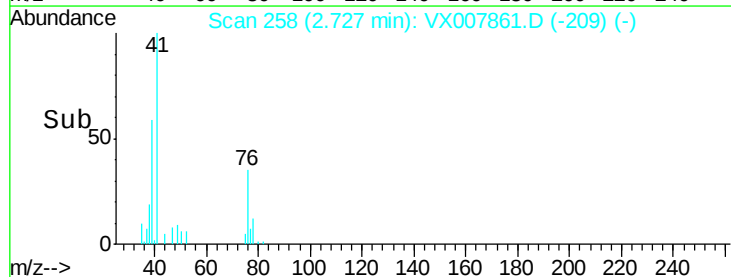
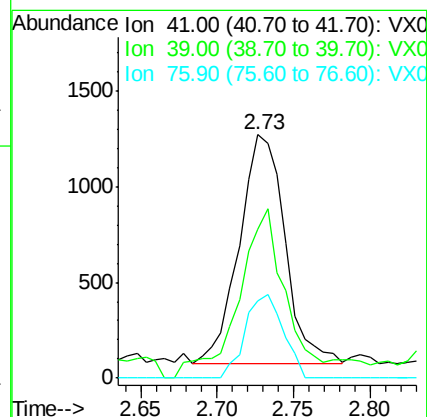
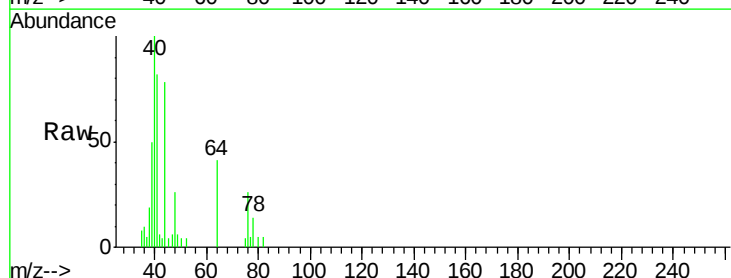
Tgt Ion: 41 Resp: 2475

Ion Ratio Lower Upper

41 100

39 77.0 46.1 69.1#

76 30.5 24.0 36.0





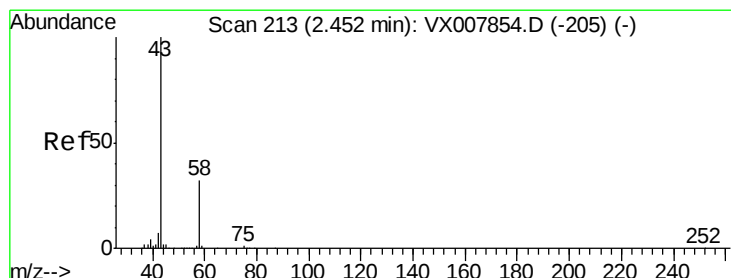
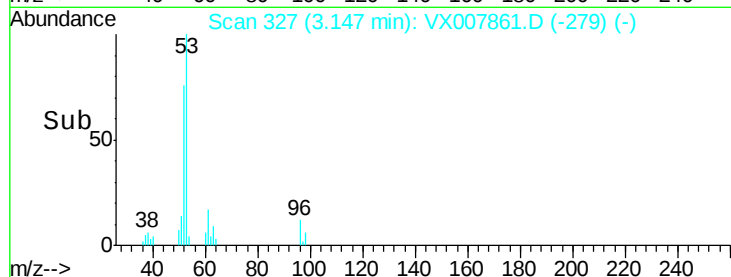
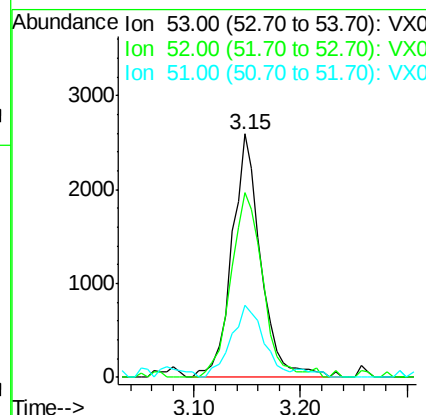
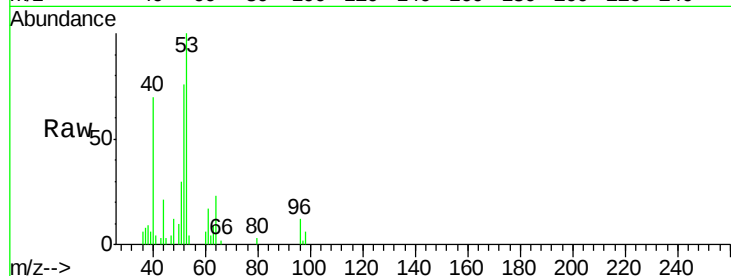
#15
 Acrylonitrile
 Concen: 2.676 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion:	53	Resp:	4956
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.0	99.0
51	32.9	28.0	42.0

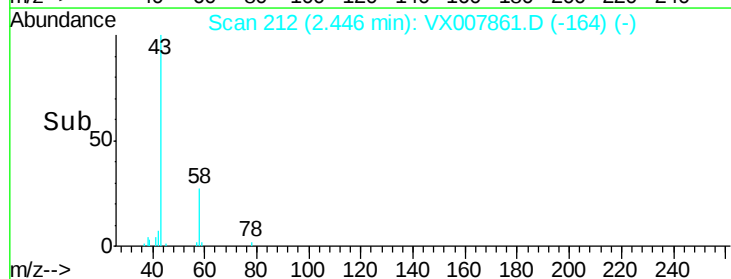
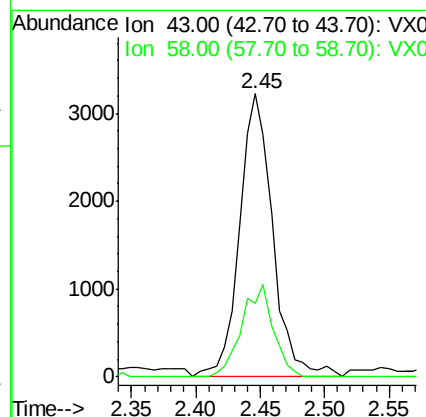
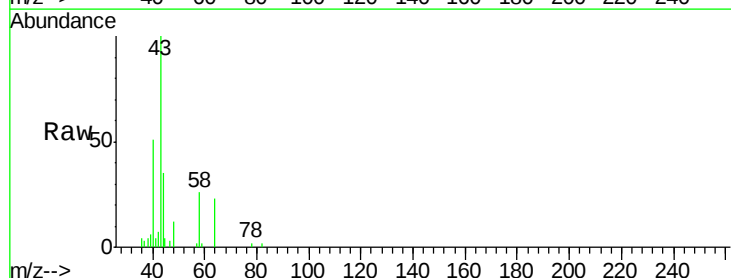
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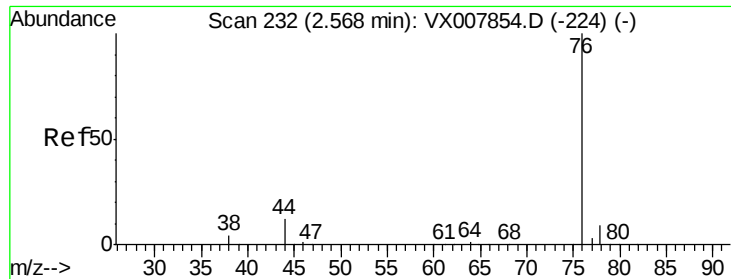
MMDadoda
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#16
 Acetone
 Concen: 3.028 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Tgt Ion:	43	Resp:	5751
Ion	Ratio	Lower	Upper
43	100		
58	26.2	25.5	38.3





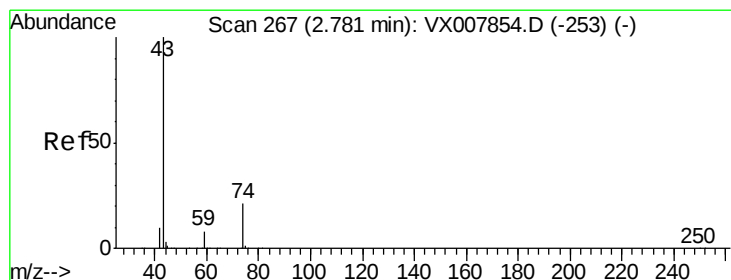
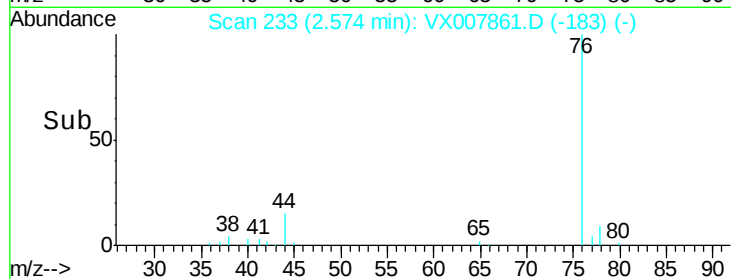
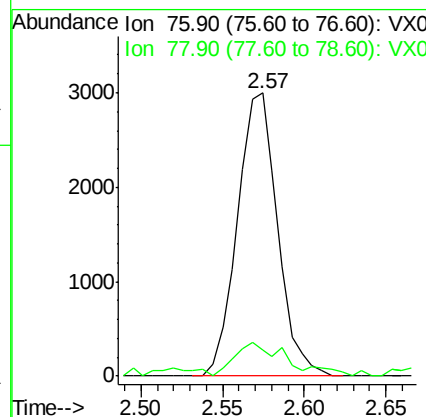
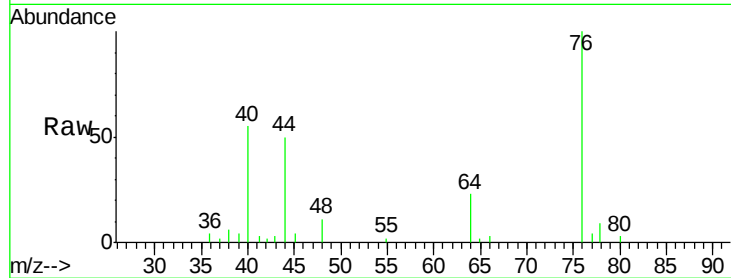
#17
Carbon Disulfide
Concen: 0.578 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 76 Resp: 5134
Ion Ratio Lower Upper
76 100
78 7.6 7.2 10.8

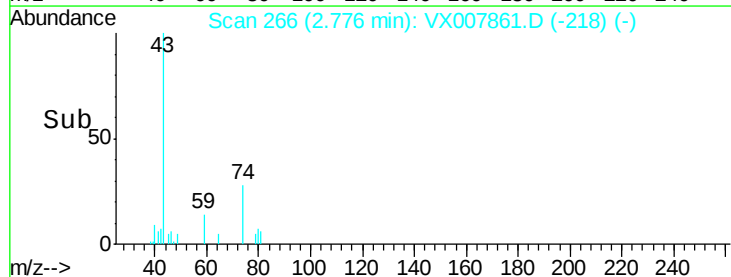
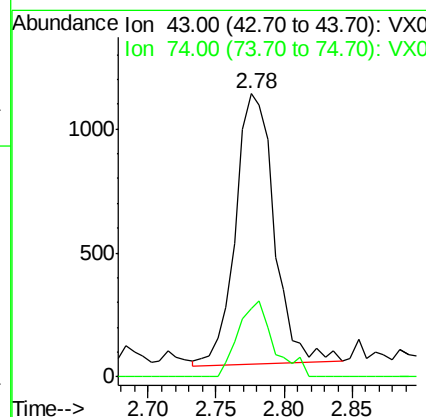
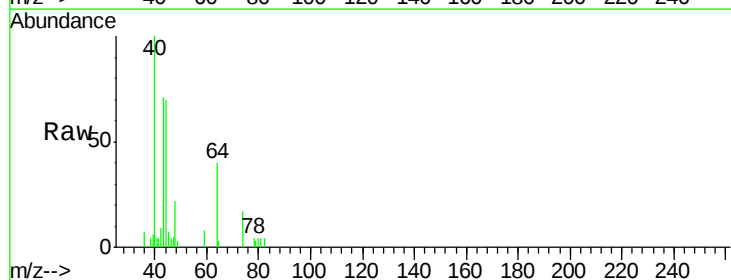
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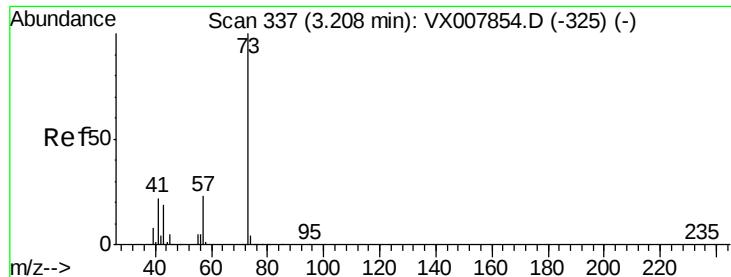
MMDadoda
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#18
Methyl Acetate
Concen: 0.540 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
74 25.6 17.8 26.6





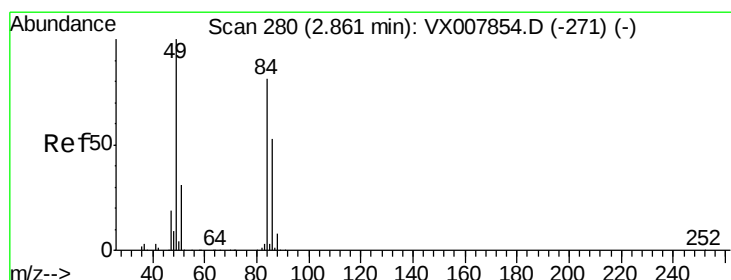
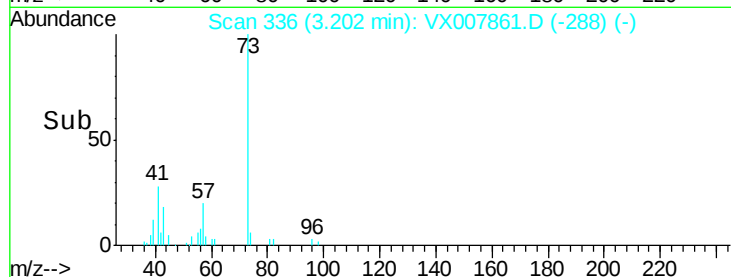
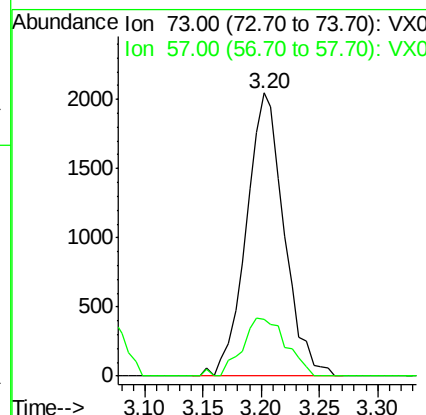
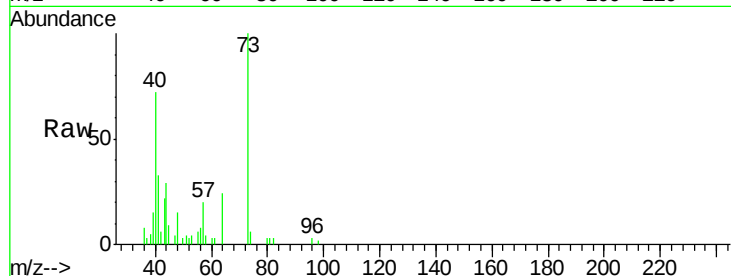
#19
Methvl tert-butvl Ether
Concen: 0.509 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 73 Resp: 4633
Ion Ratio Lower Upper
73 100
57 19.9 18.2 27.4

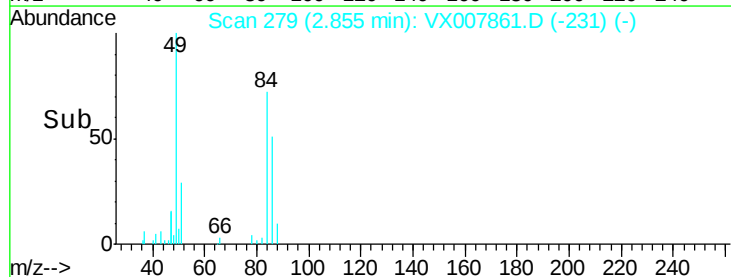
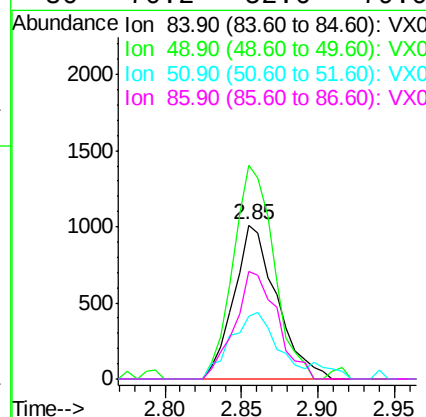
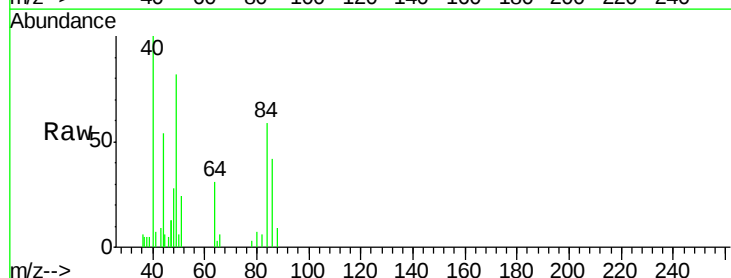
Manual Integrations
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#20
Methylene Chloride
Concen: 0.653 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion: 84 Resp: 1975
Ion Ratio Lower Upper
84 100
49 138.9 99.3 148.9
51 40.7 31.3 46.9
86 70.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 0.586 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

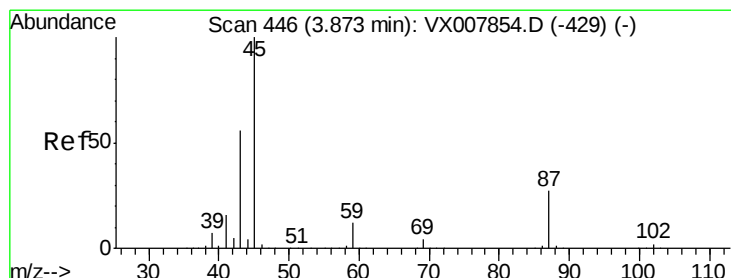
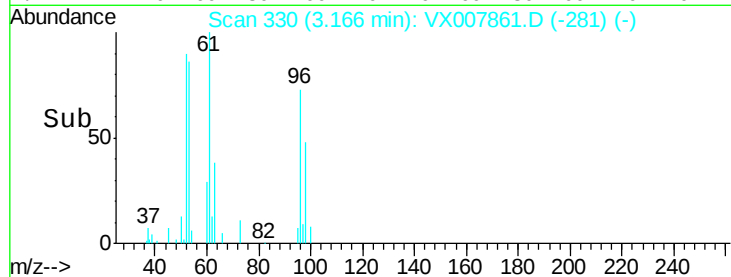
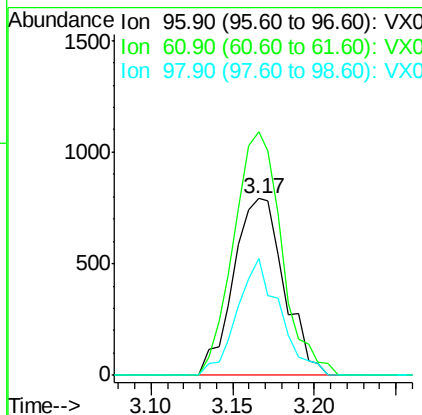
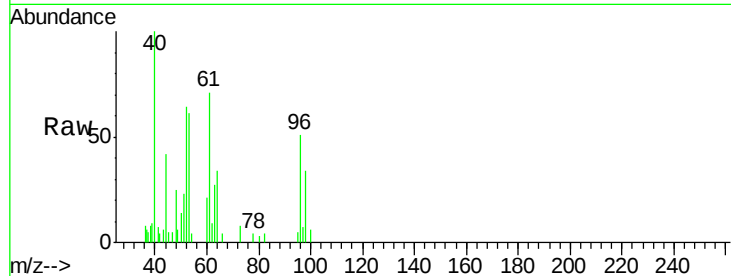
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	96	Resp:	1705
Ion	Ratio	Lower	Upper
96	100		
61	137.8	114.4	171.6
98	66.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.529 ug/l

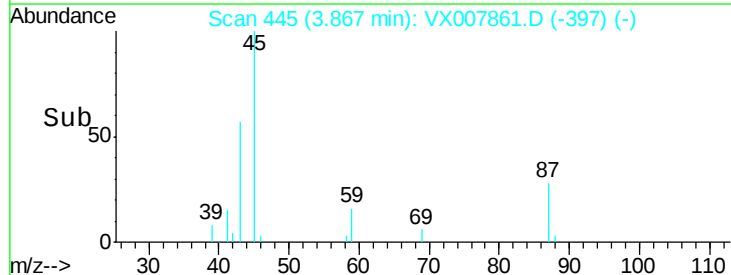
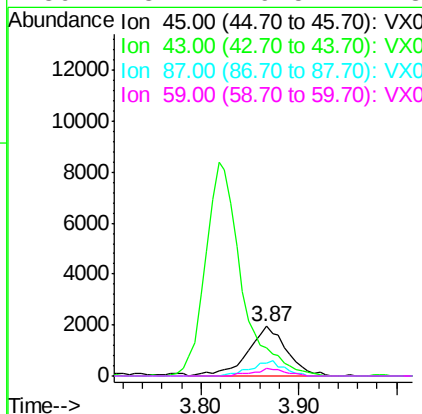
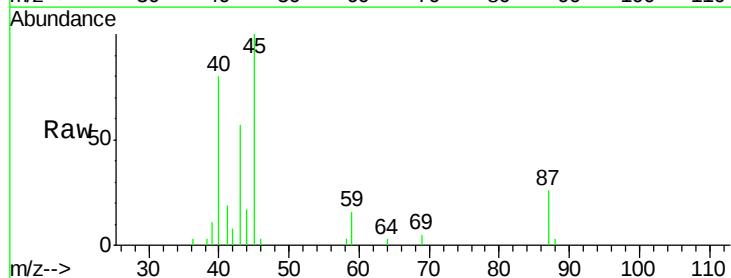
RT: 3.87 min Scan# 445

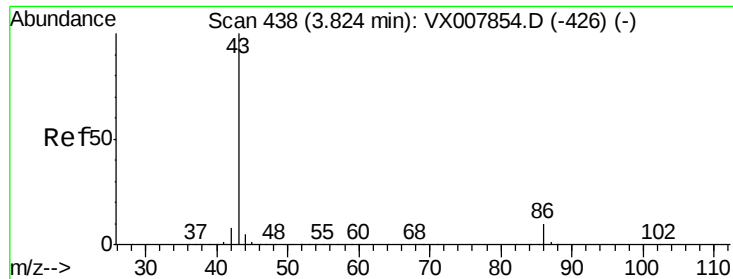
Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	45	Resp:	5396
Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.3	67.9
87	26.5	21.4	32.0
59	15.7	9.5	14.3#





#23

Vinyl Acetate

Concen: 2.401 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 21460

Ion Ratio Lower Upper

43 100

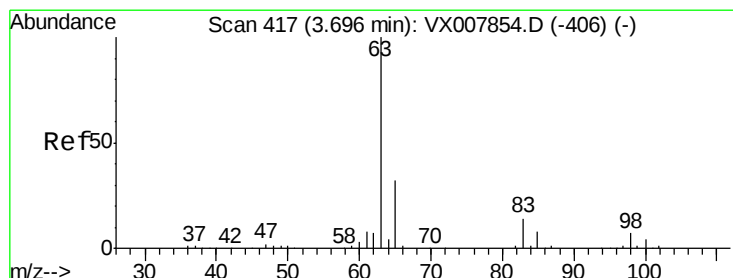
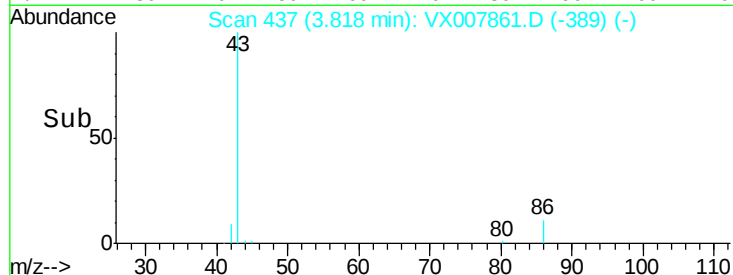
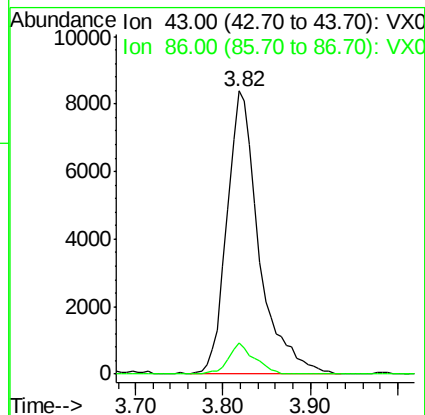
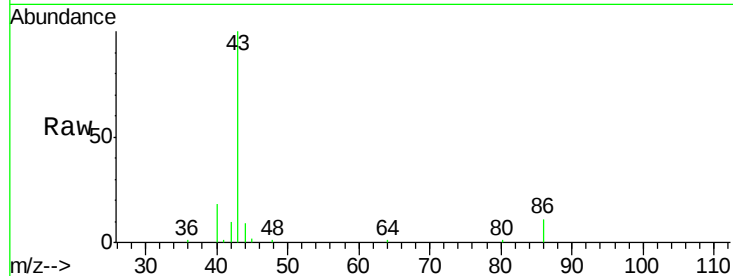
86 10.9 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 0.492 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

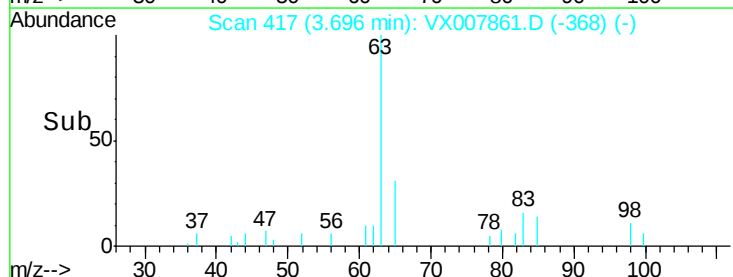
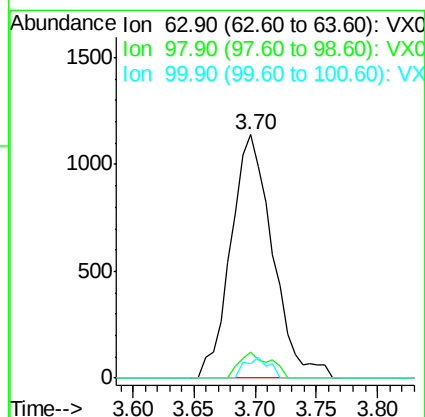
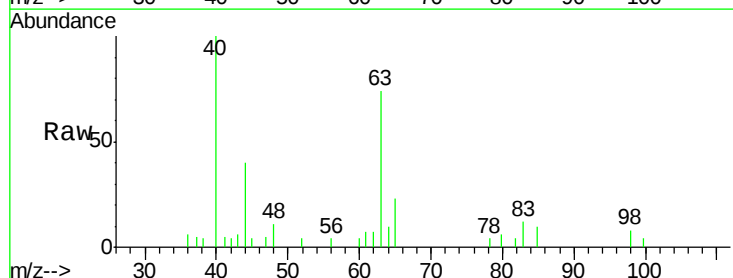
Tgt Ion: 63 Resp: 2697

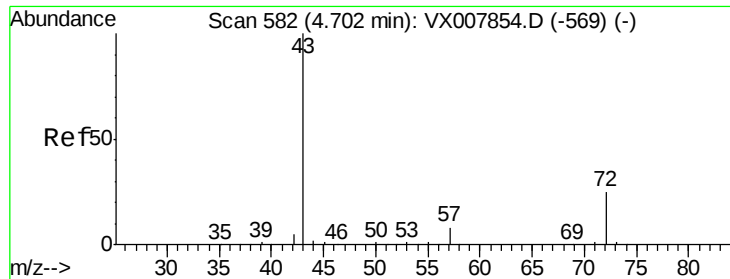
Ion Ratio Lower Upper

63 100

98 10.9 3.3 9.8#

100 6.1 2.3 6.8





#25

2-Butanone

Concen: 2.625 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 7057

Ion Ratio Lower Upper

43 100

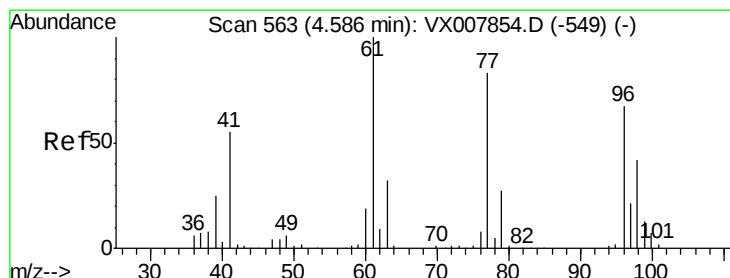
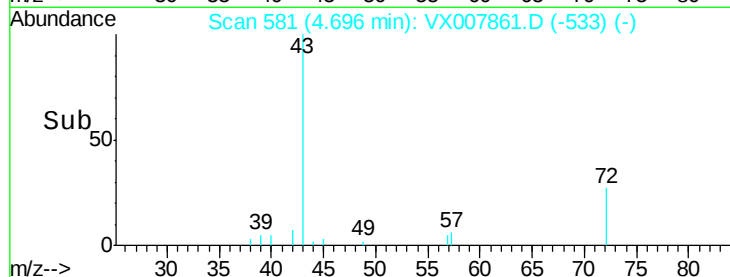
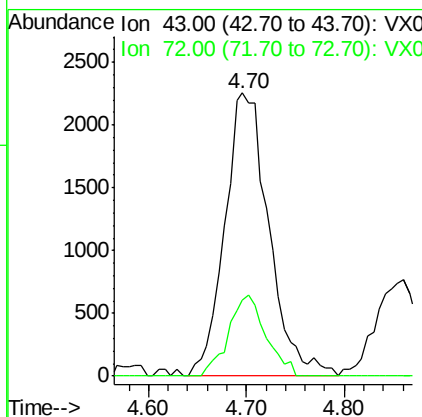
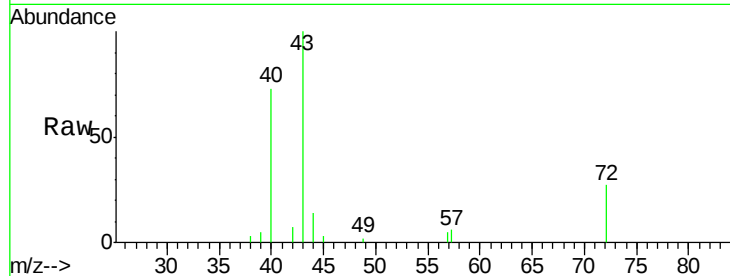
72 26.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.492 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007861.D

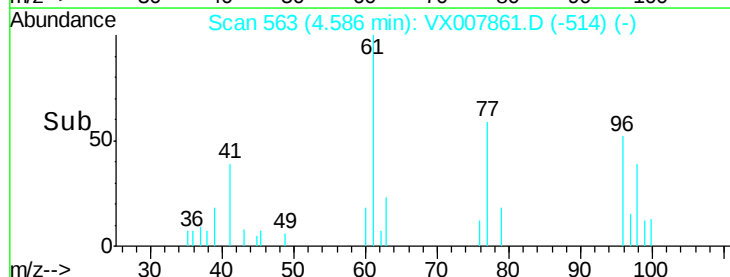
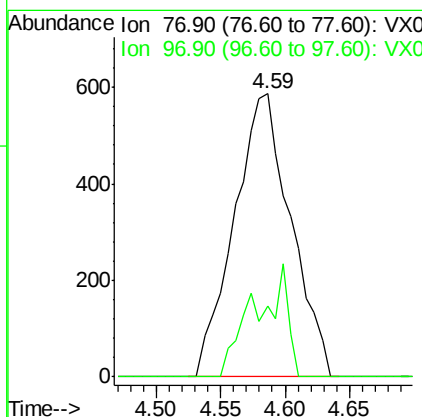
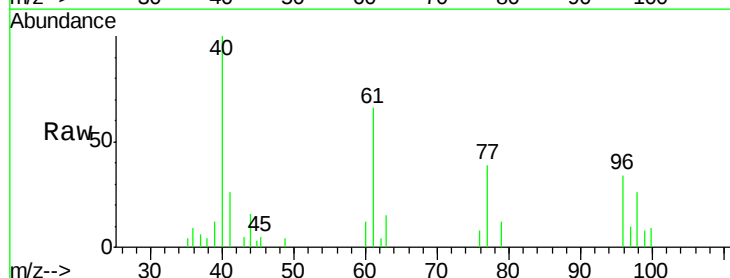
Acq: 06 Mar 2019 15:40

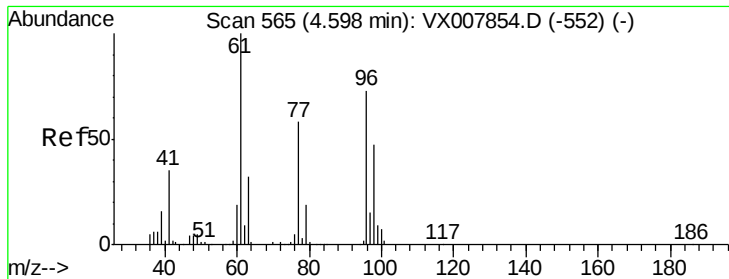
Tgt Ion: 77 Resp: 1787

Ion Ratio Lower Upper

77 100

97 11.2 12.2 36.6#





#27

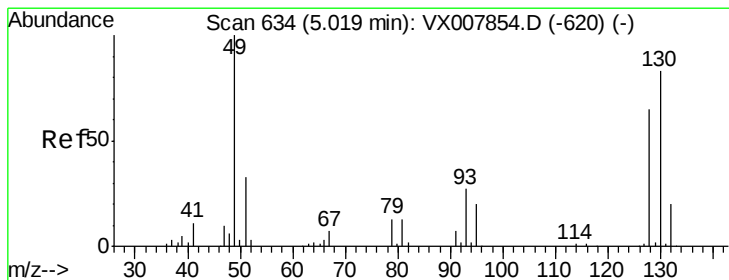
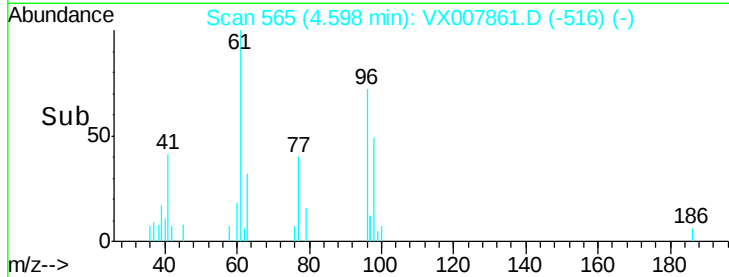
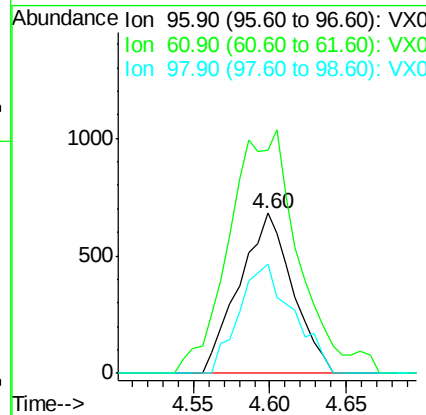
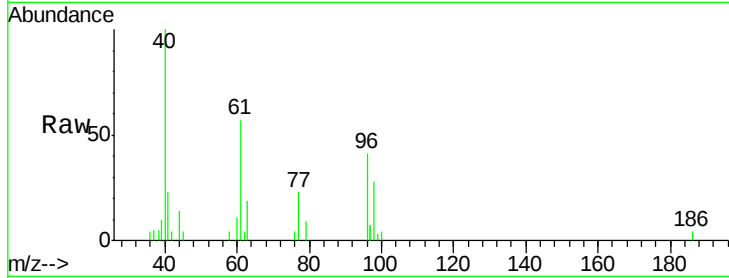
cis-1,2-Dichloroethene
Concen: 0.494 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	197.7	0.0	288.0
98	69.0	0.0	129.0

Manual Integrations
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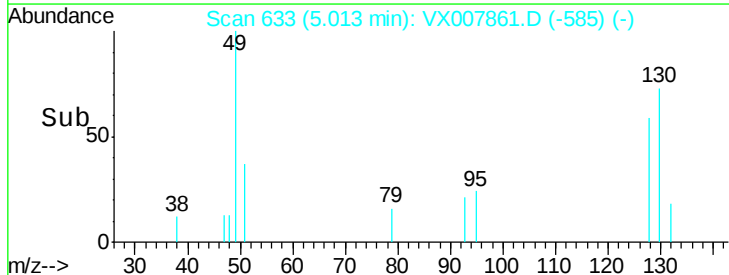
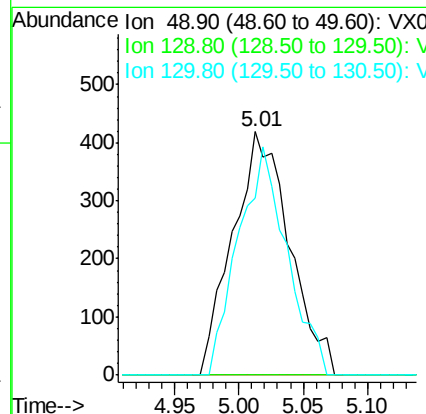
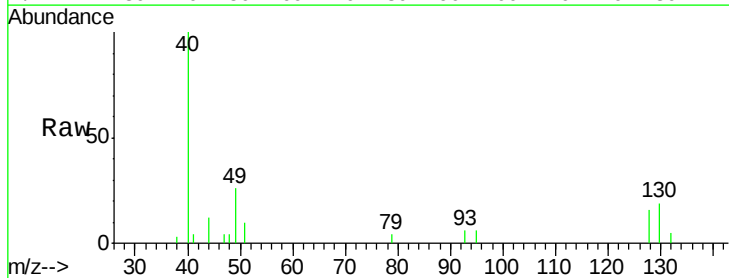
MMDadoda
4/16/2019 11:08:50 AM

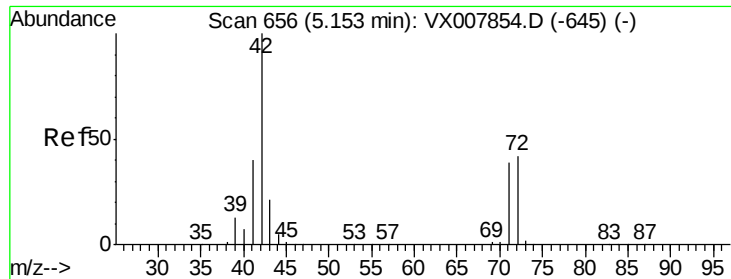


#28

Bromochloromethane
Concen: 0.501 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	80.3	65.0	97.4





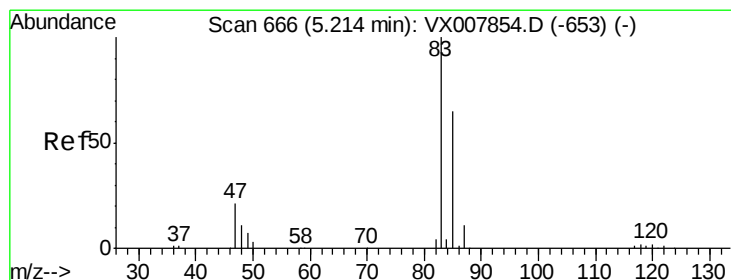
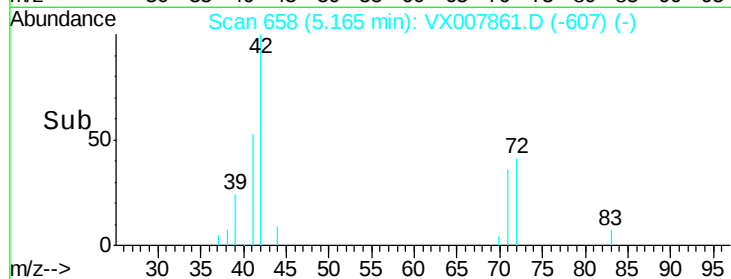
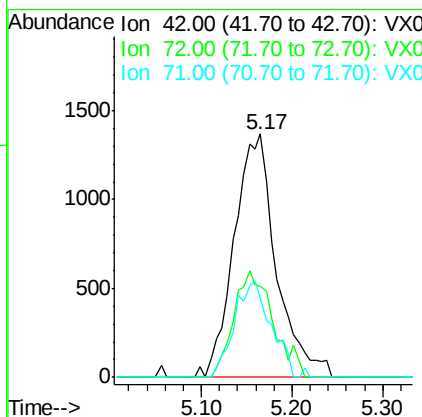
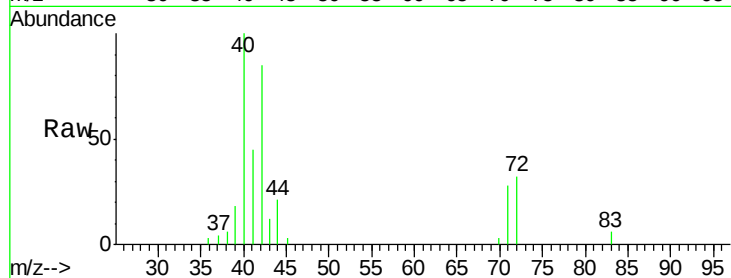
#29
Tetrahydrofuran
Concen: 2.629 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.8	50.6
71	34.3	31.5	47.3

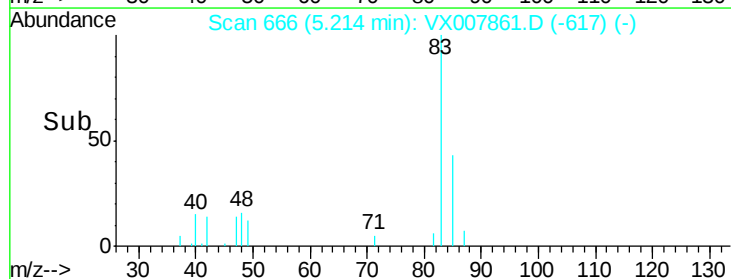
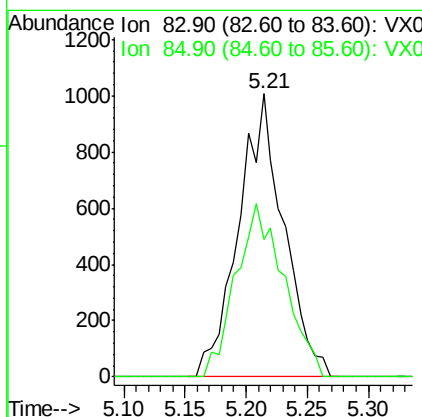
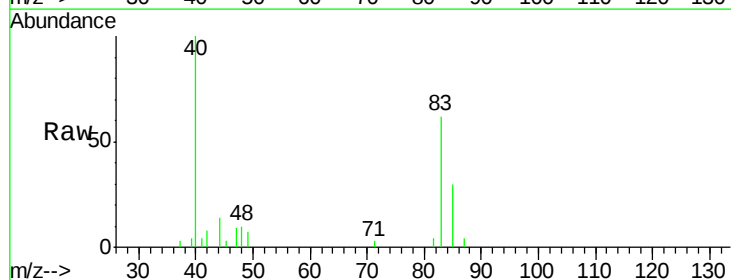
Manual Integrations
APPROVED

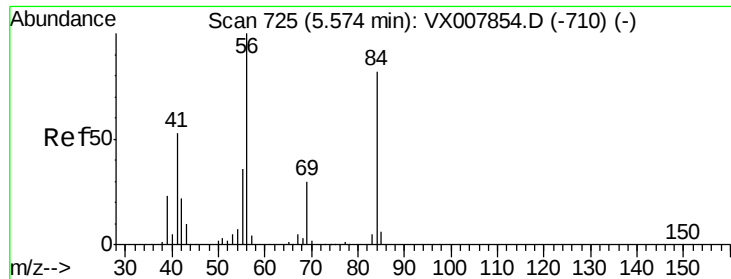
MMDadoda
4/16/2019 11:08:50 AM



#30
Chloroform
Concen: 0.497 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	48.5	51.8	77.6#





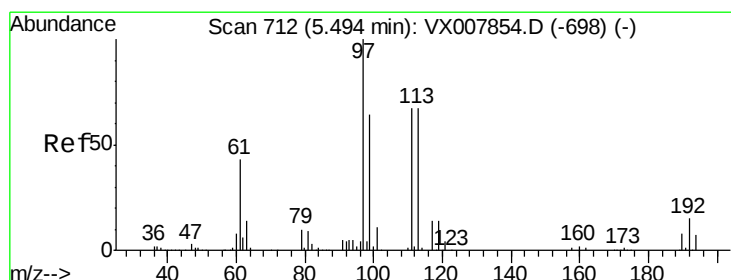
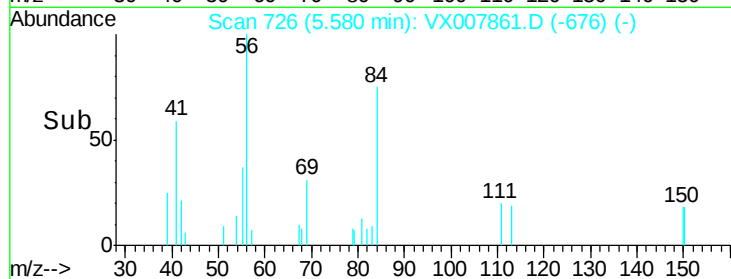
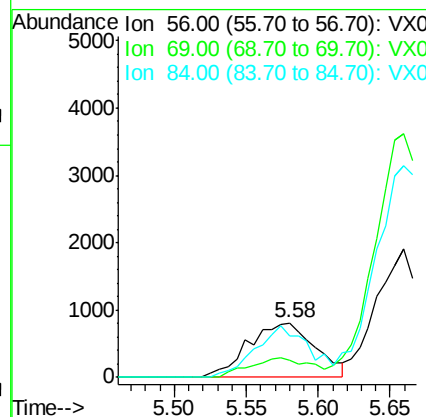
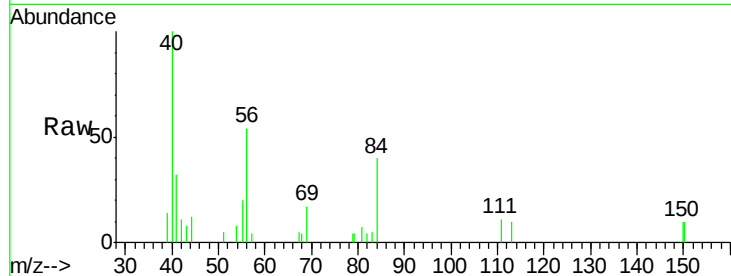
#31
Cyclohexane
Concen: 0.515 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.0	36.0
84	75.2	65.3	97.9

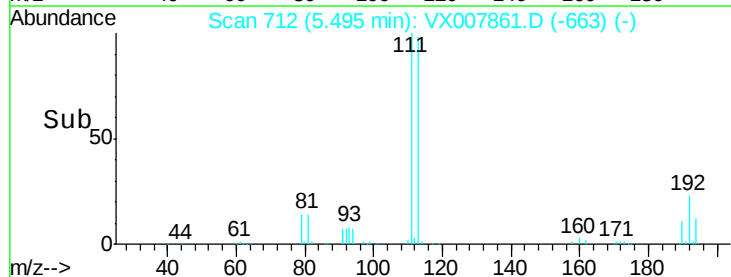
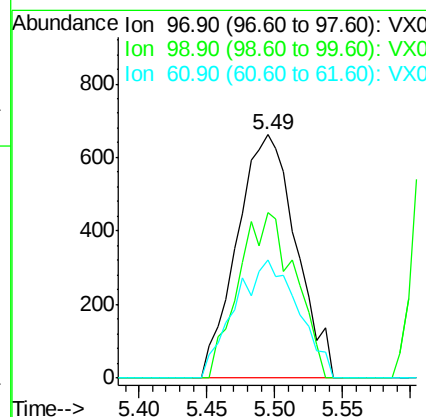
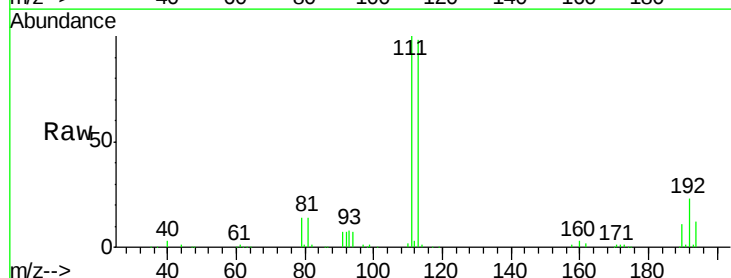
Manual Integrations
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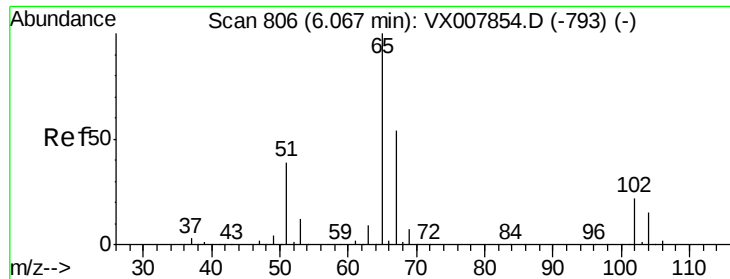
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.466 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	51.8	34.9	52.3





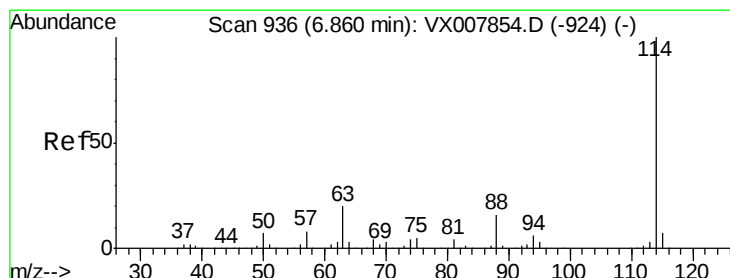
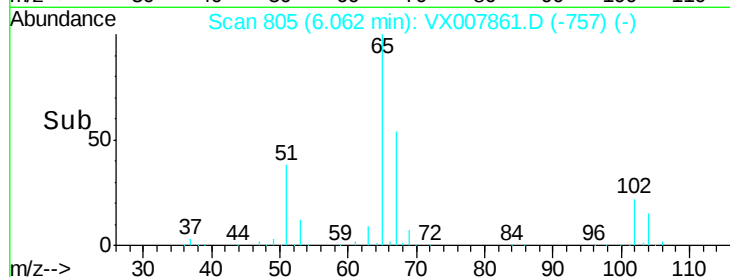
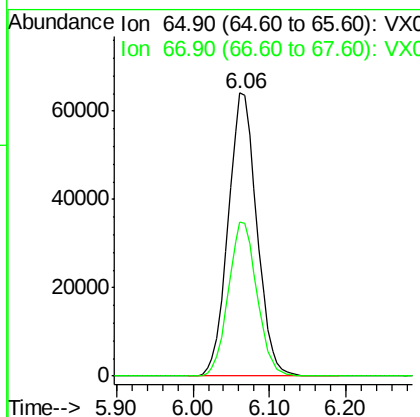
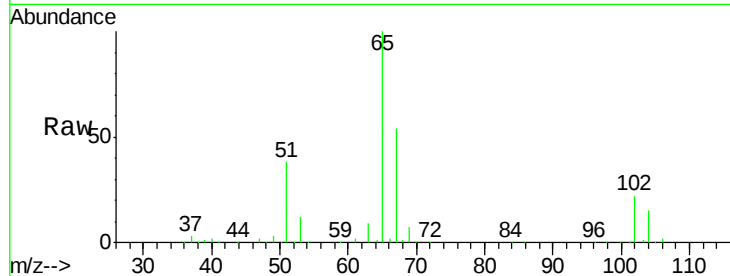
#33
 1,2-Dichloroethane-d4
 Concen: 50.747 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166505		
67	54.3	0.0	110.0	

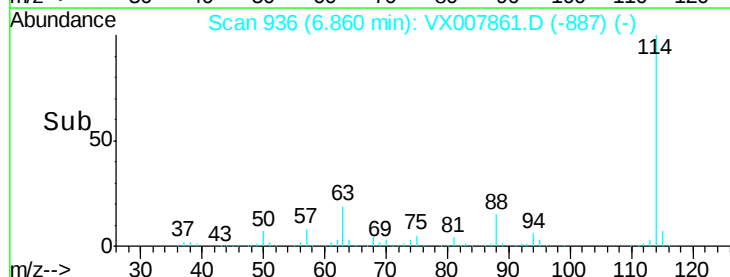
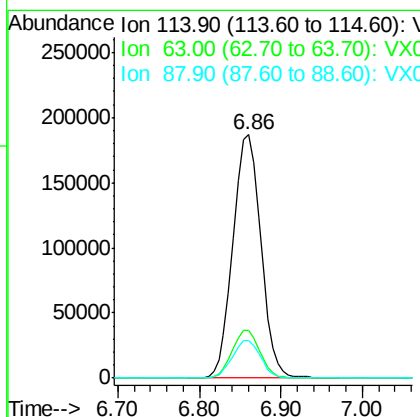
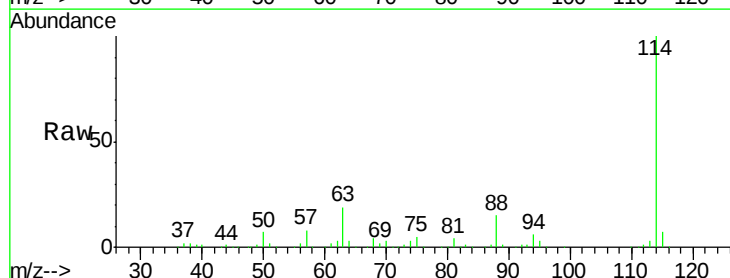
Manual Integrations
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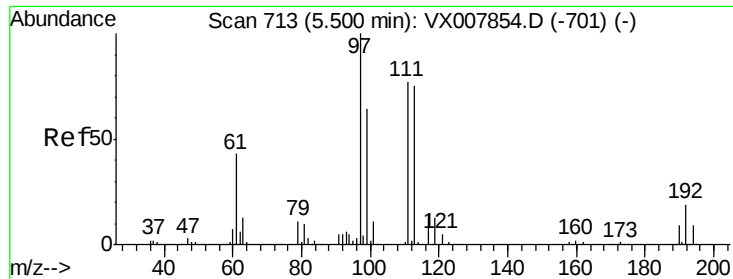
MMDadoda
 4/16/2019 11:08:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	443629		
63	19.4	0.0	39.8	
88	15.2	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.381 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

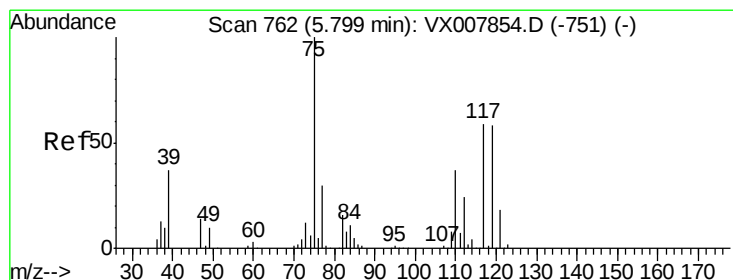
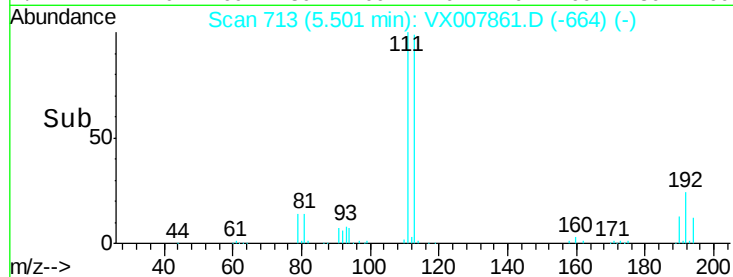
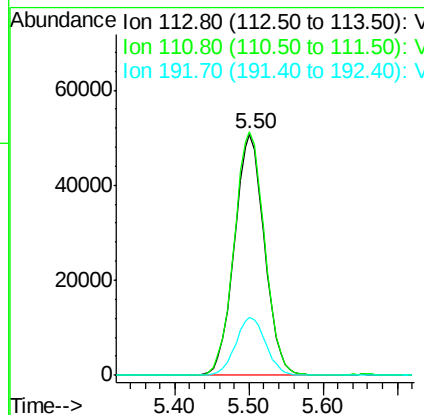
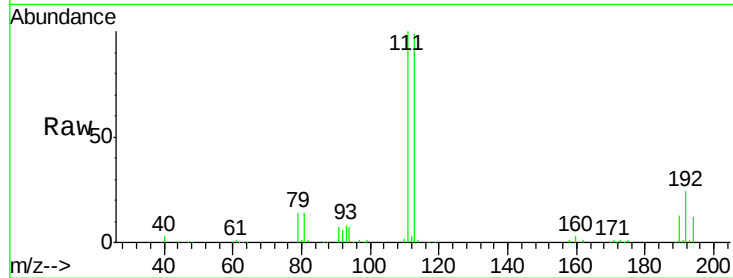
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	113	Resp:	142970
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	24.3	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 0.588 ug/l

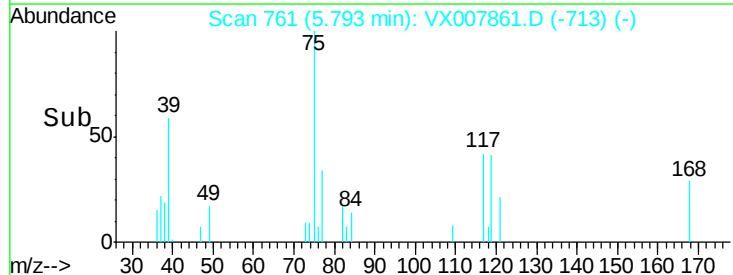
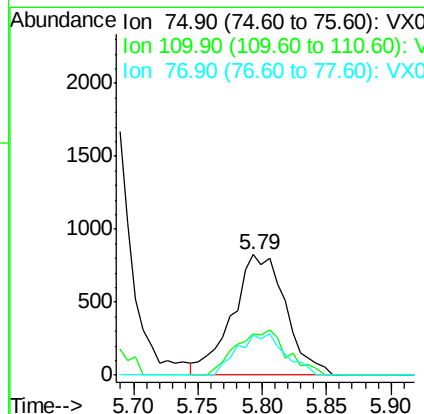
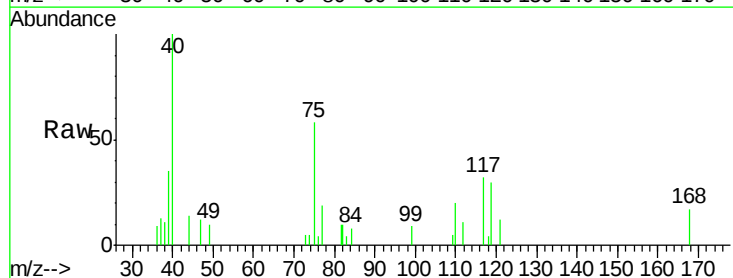
RT: 5.79 min Scan# 761

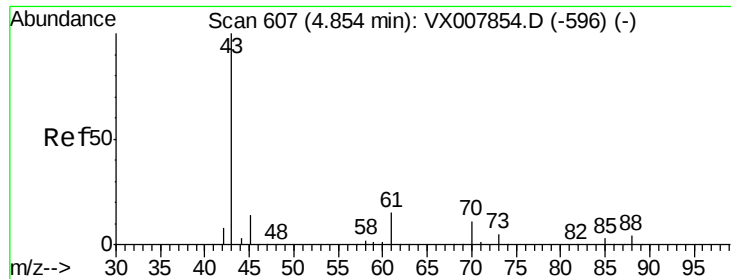
Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	75	Resp:	2360
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.4	55.0
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 0.551 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

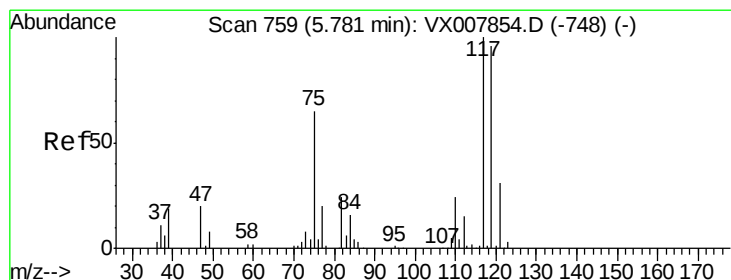
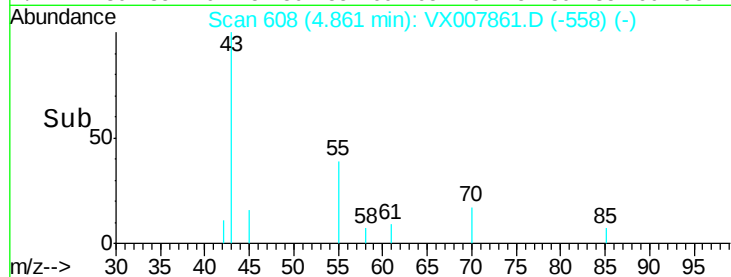
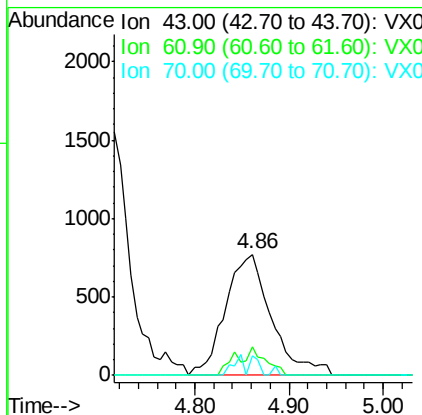
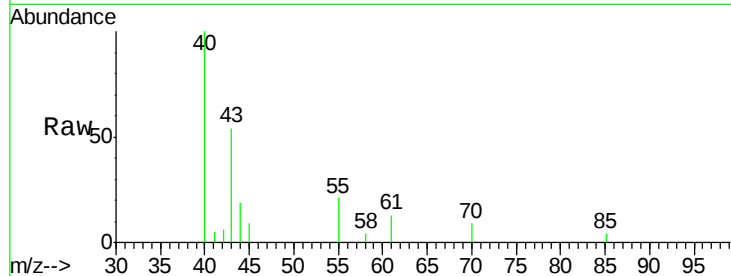
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	43	Resp:	2628
Ion	Ratio	Lower	Upper
43	100		
61	9.6	11.3	16.9#
70	3.2	8.5	12.7#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 0.497 ug/l

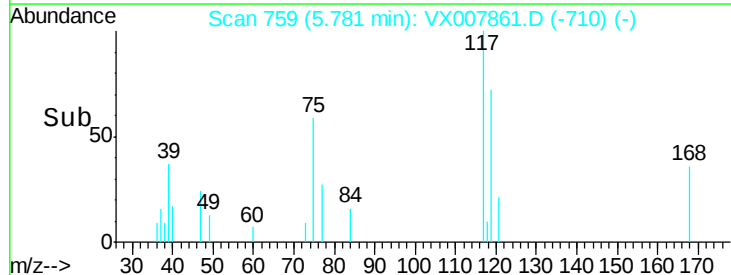
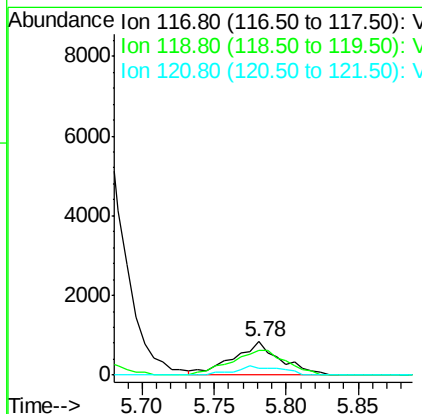
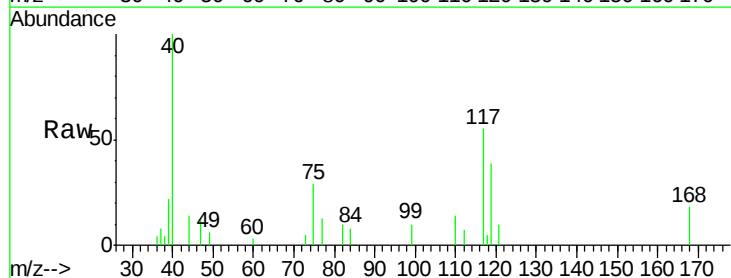
RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	117	Resp:	1894
Ion	Ratio	Lower	Upper
117	100		
119	72.1	76.2	114.2#
121	19.0	24.6	36.8#





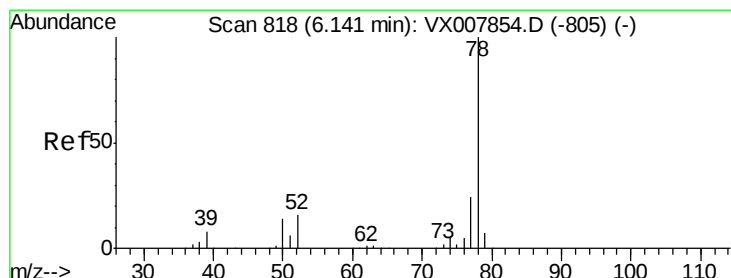
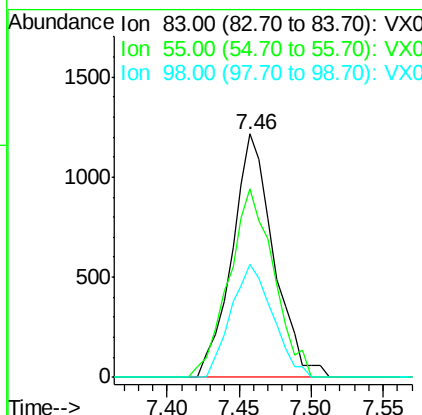
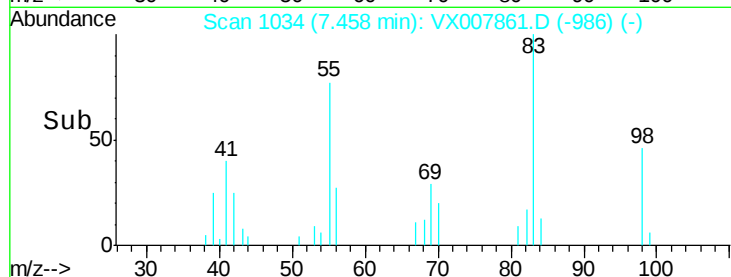
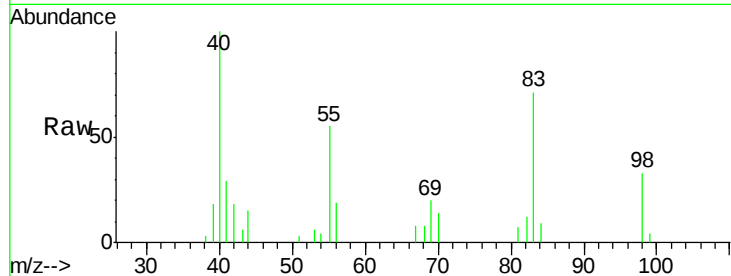
#39
Methvlcvclohexane
Concen: 0.500 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	60.4	90.6
98	46.2	36.5	54.7

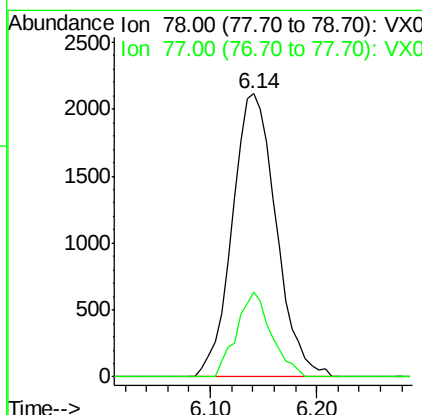
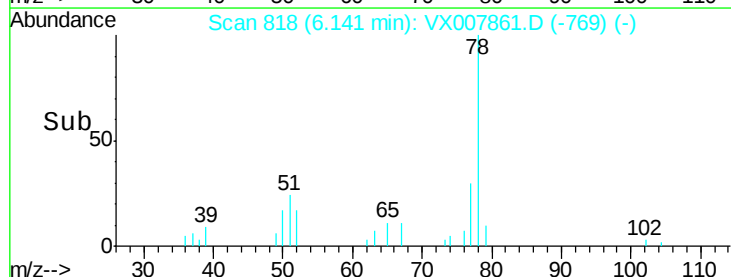
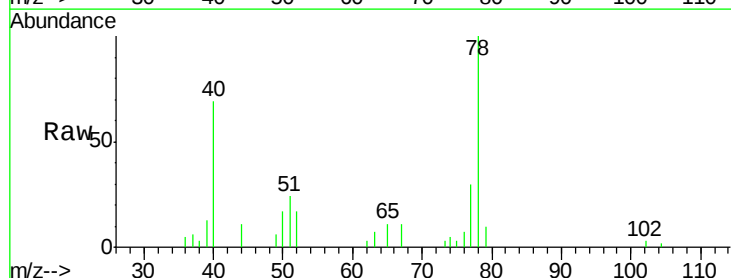
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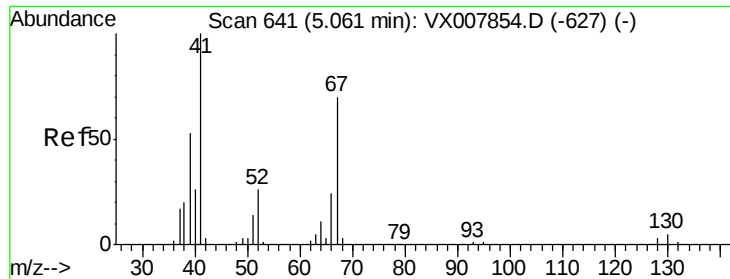
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#40
Benzene
Concen: 0.510 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	30.1	19.0	28.4#





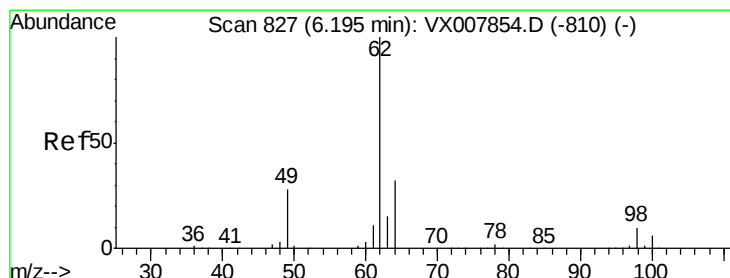
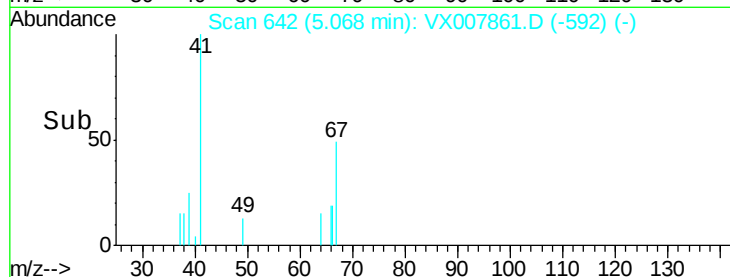
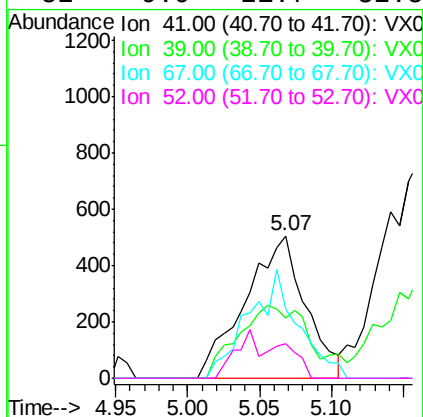
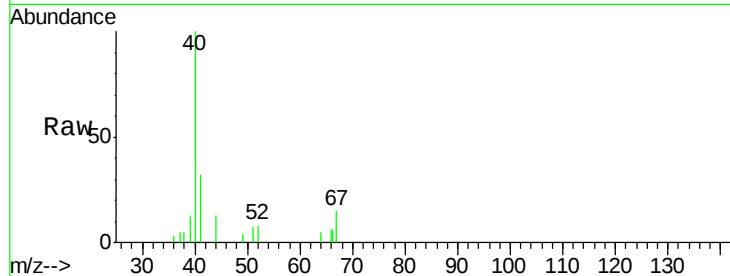
#41
Methacrylonitrile
Concen: 0.566 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:	41	Resp:	1470
Ion	Ratio	Lower	Upper
41	100		
39	61.7	41.6	62.4
67	62.5	55.8	83.6
52	9.9	21.7	32.5#

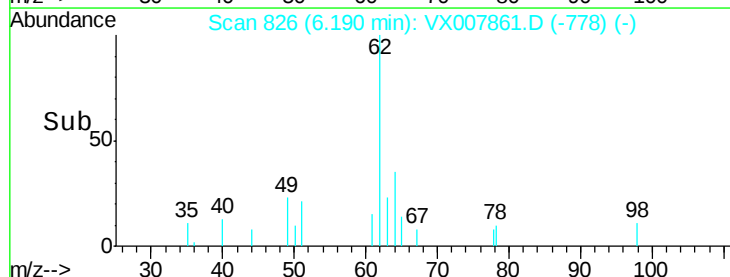
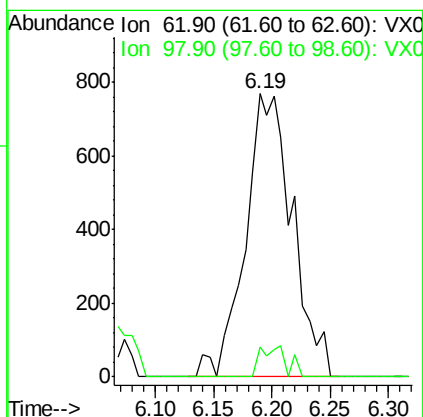
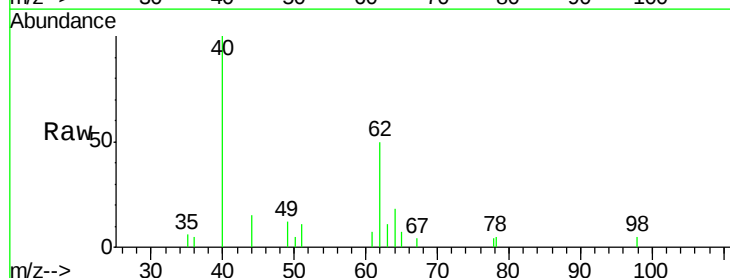
Manual Integrations
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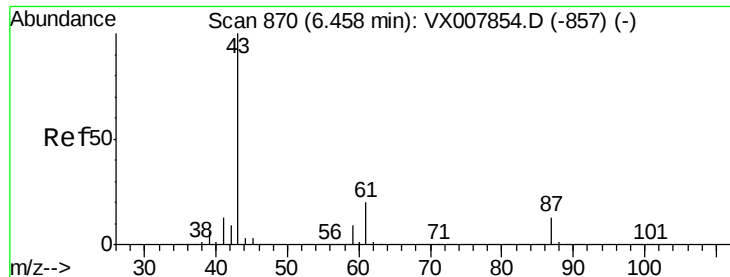
MMDadoda
4/16/2019 11:08:50 AM



#42
1,2-Dichloroethane
Concen: 0.552 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion:	62	Resp:	2160
Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	20.4





#43

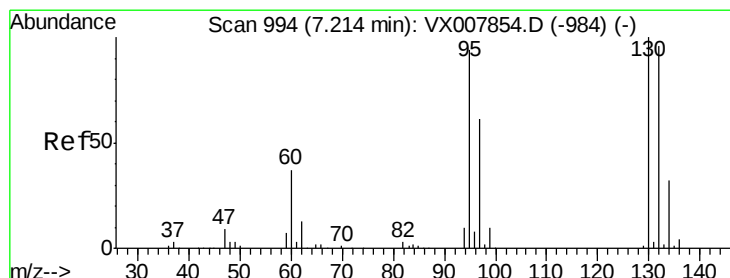
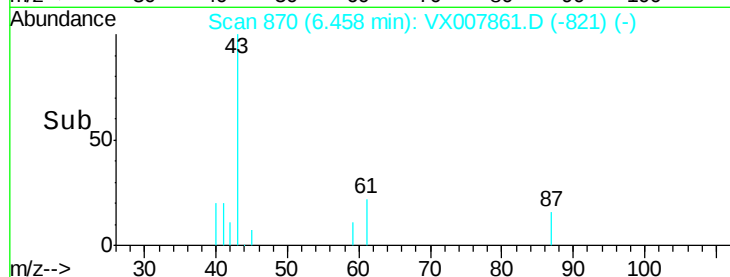
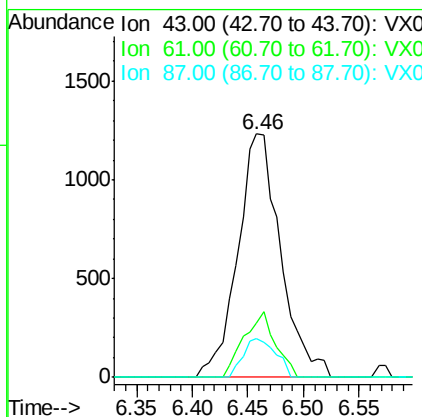
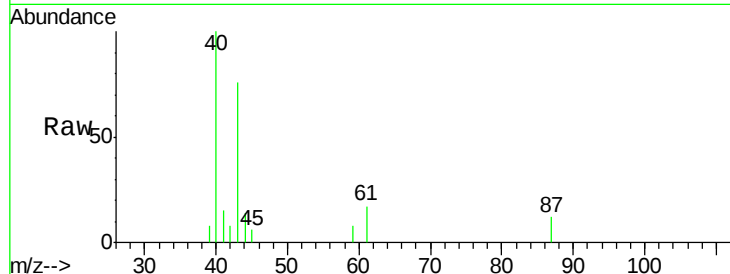
Isopropyl Acetate
 Concen: 0.468 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.3	24.5
87	11.9	10.5	15.7

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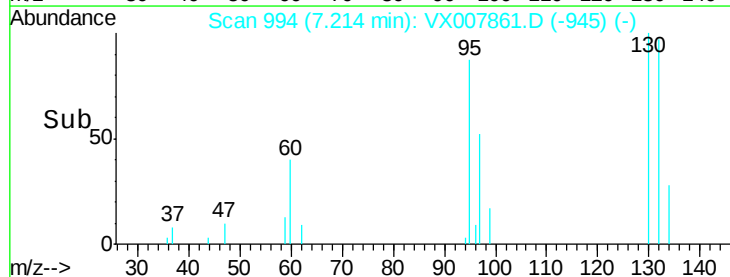
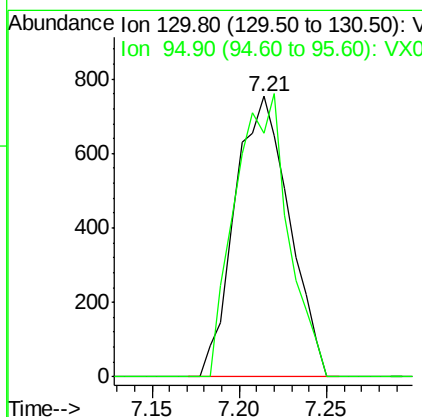
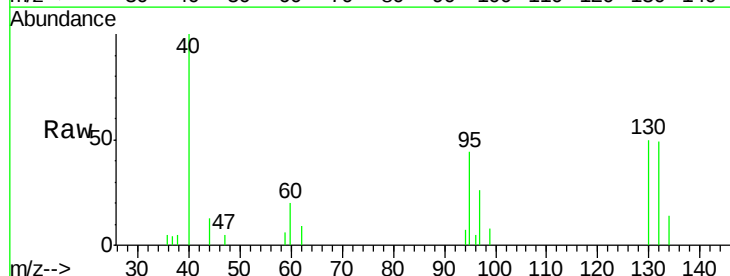
MMDadoda
 4/16/2019 11:08:50 AM

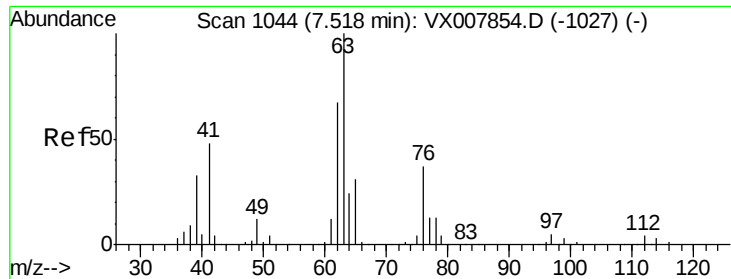


#44

Trichloroethene
 Concen: 0.496 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	188.0





#45

1,2-Dichloropropane

Concen: 0.477 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 63 Resp: 1507

Ion Ratio Lower Upper

63 100

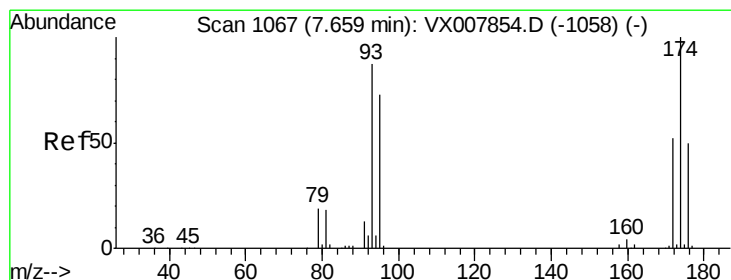
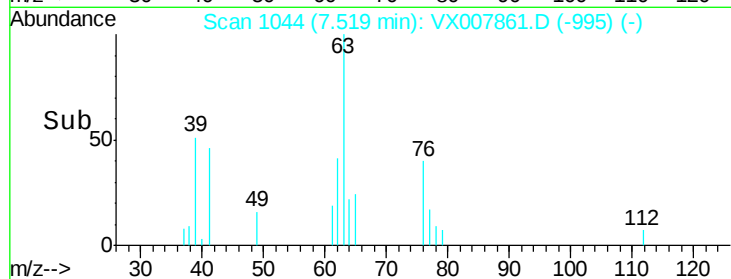
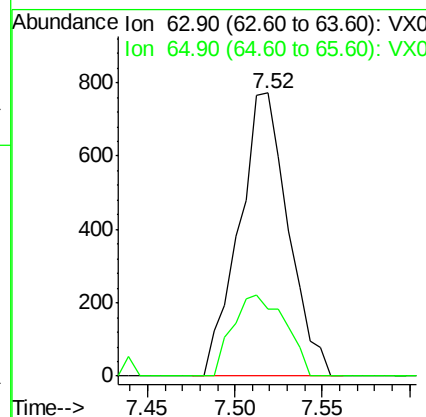
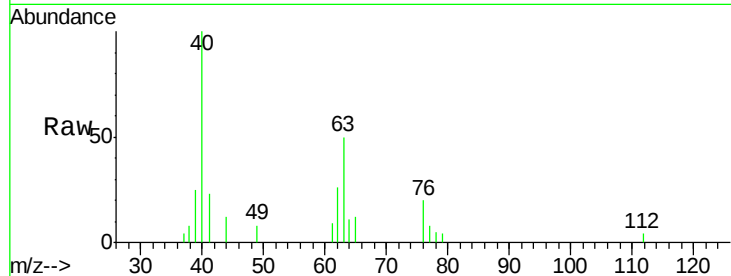
65 23.6 24.7 37.1#

Manual Integrations

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#46

Dibromomethane

Concen: 0.525 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

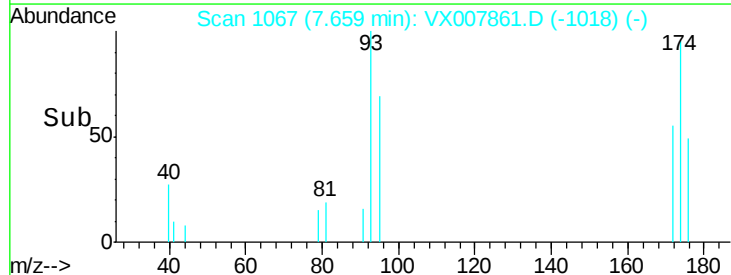
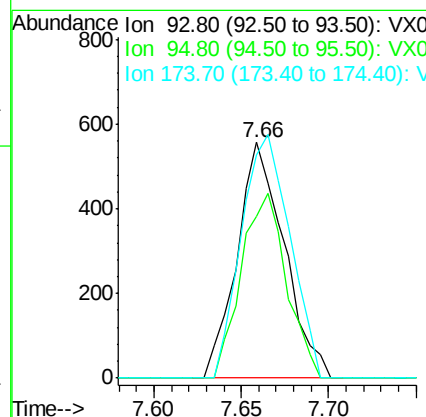
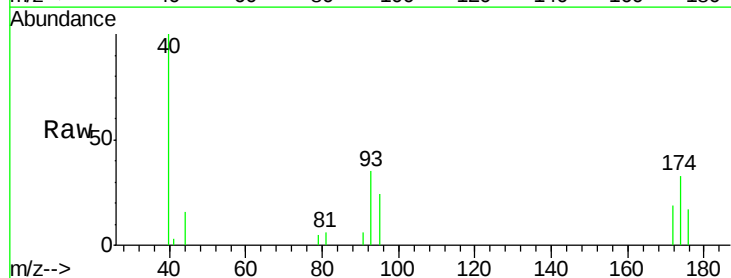
Tgt Ion: 93 Resp: 1049

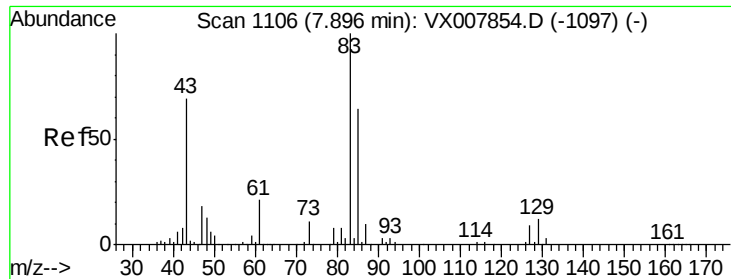
Ion Ratio Lower Upper

93 100

95 74.8 66.8 100.2

174 106.6 97.3 145.9





#47

Bromodichloromethane

Concen: 0.462 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

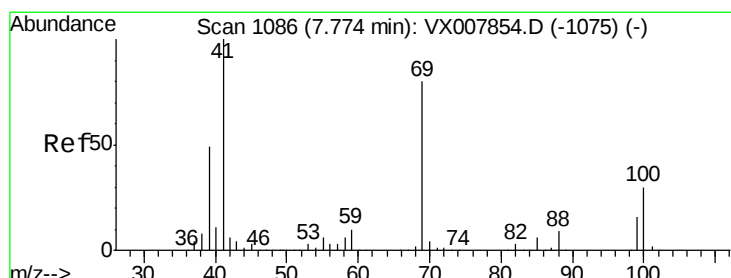
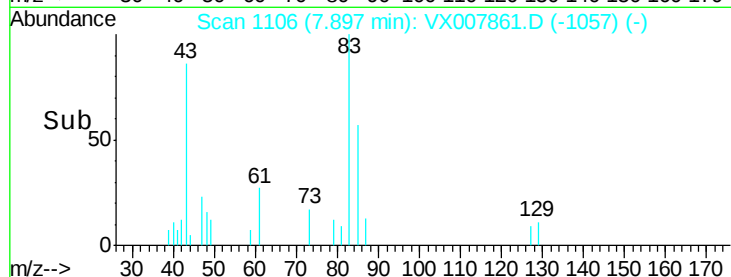
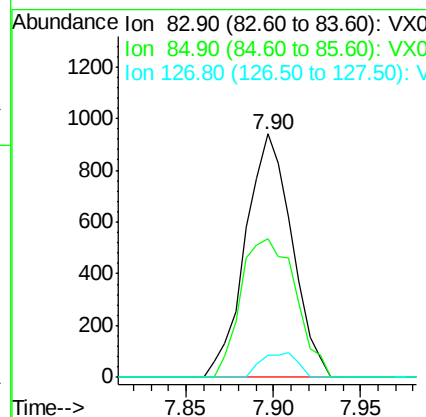
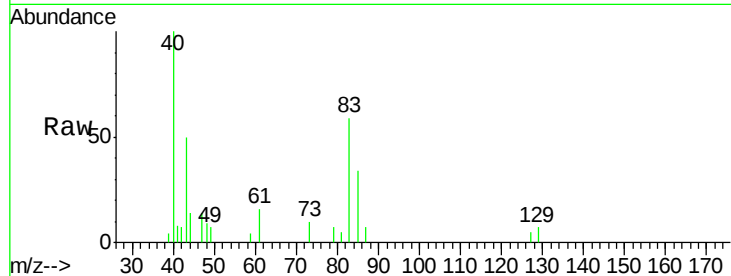
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	83	Resp:	1751
Ion	Ratio	Lower	Upper
83	100		
85	57.1	50.9	76.3
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 0.494 ug/l

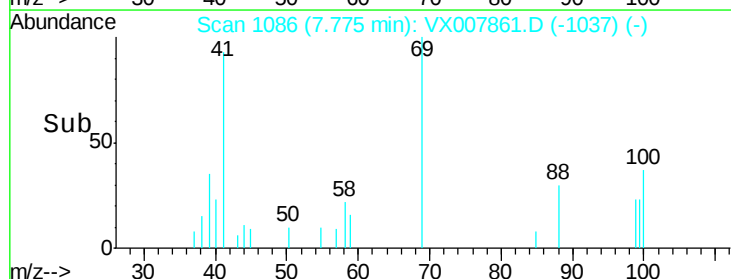
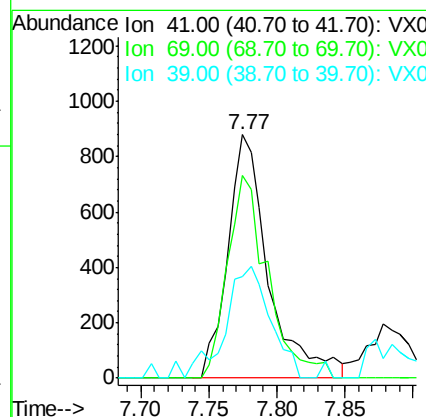
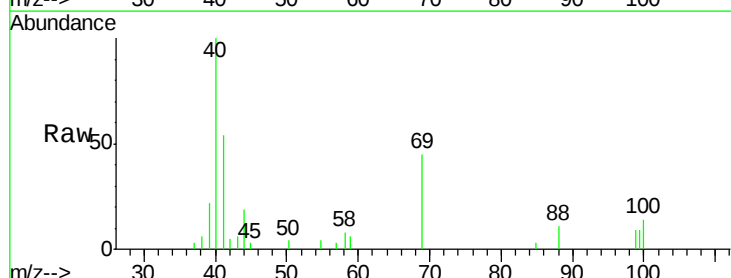
RT: 7.77 min Scan# 1086

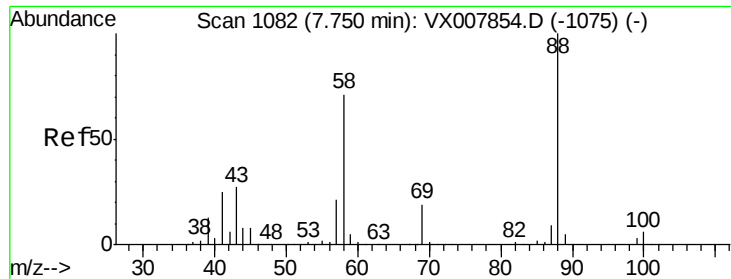
Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	41	Resp:	1834
Ion	Ratio	Lower	Upper
41	100		
69	82.4	65.2	97.8
39	51.7	39.4	59.2





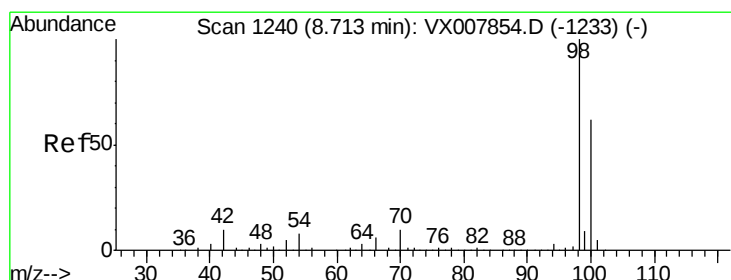
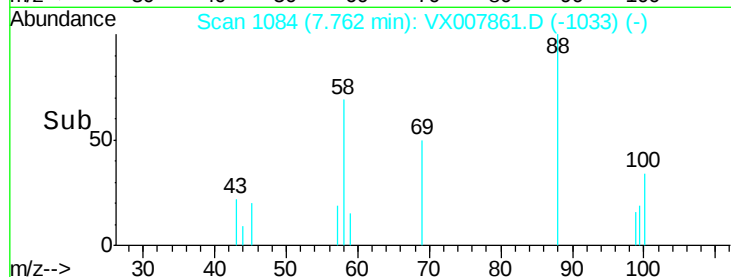
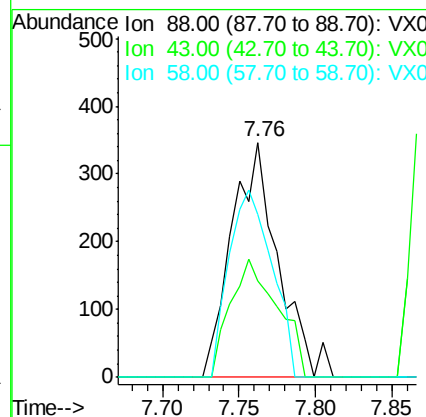
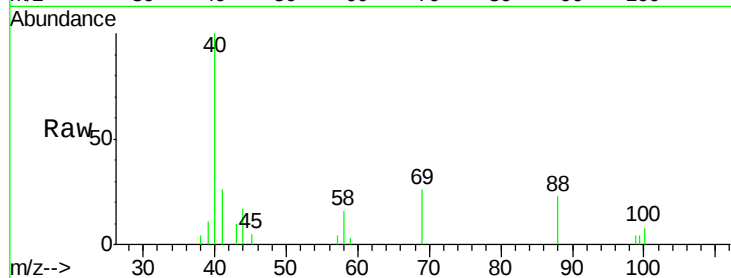
#49
1,4-Dioxane
Concen: 9.555 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.5	25.1	37.7#
58	74.6	57.8	86.6

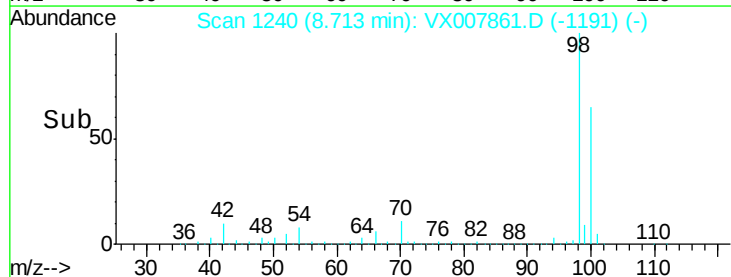
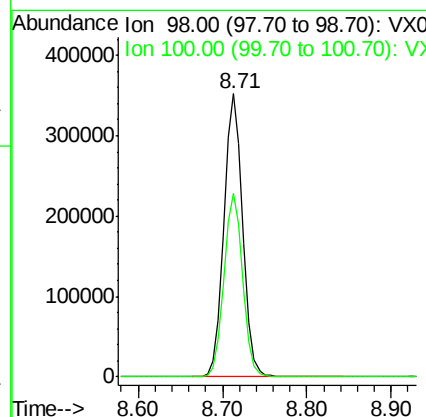
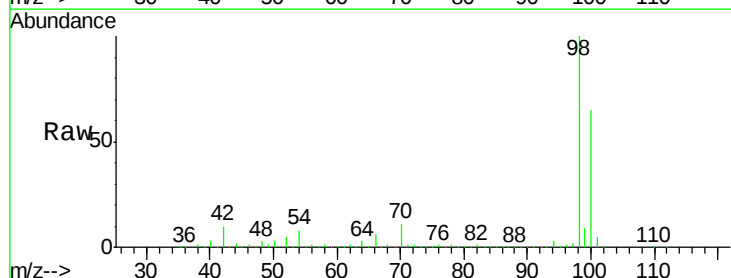
Manual Integrations
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MMDadoda
4/16/2019 11:08:50 AM



#50
Toluene-d8
Concen: 52.139 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 2.301 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 10441

Ion Ratio Lower Upper

43 100

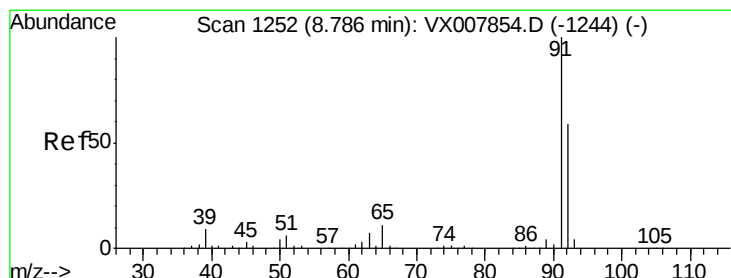
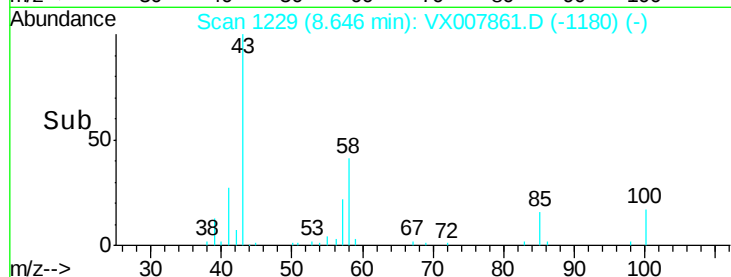
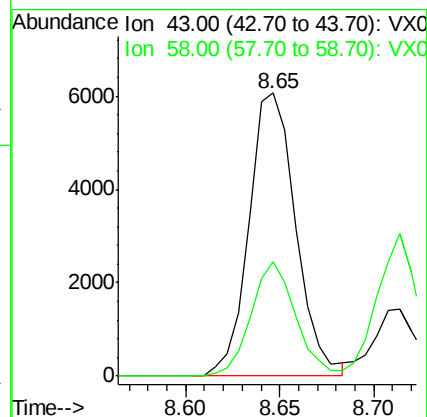
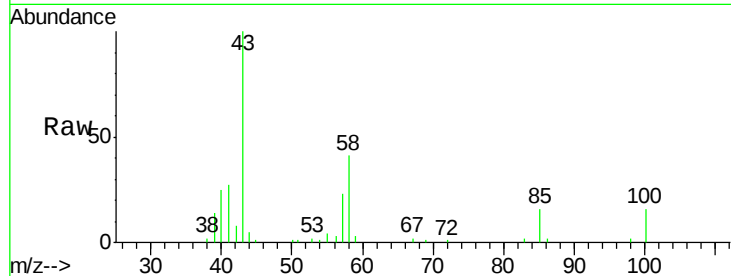
58 38.5 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 0.536 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007861.D

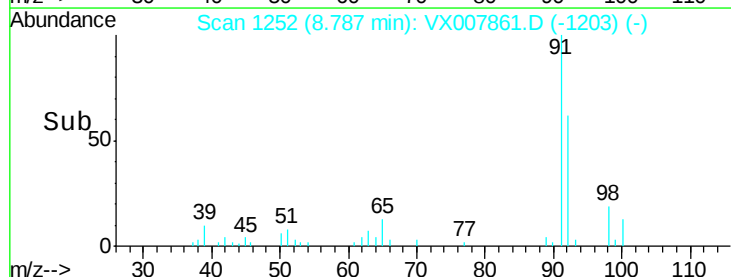
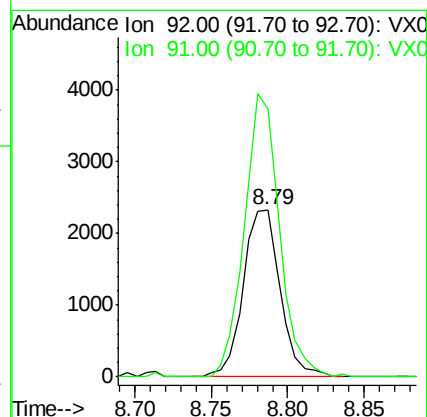
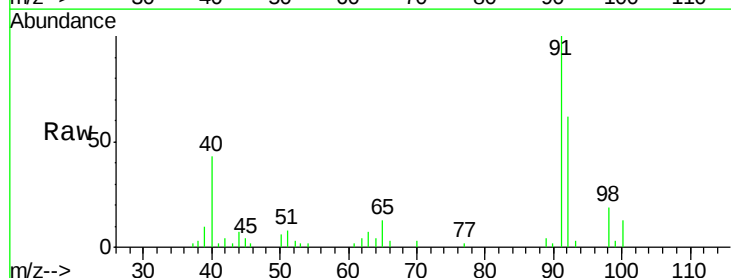
Acq: 06 Mar 2019 15:40

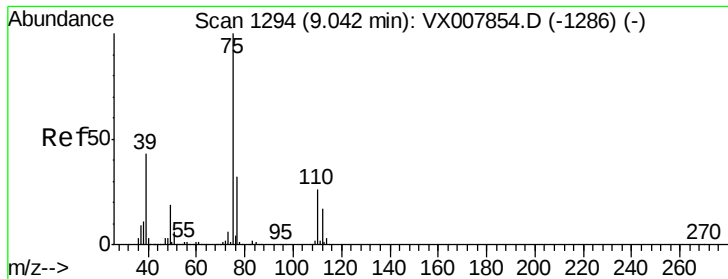
Tgt Ion: 92 Resp: 3913

Ion Ratio Lower Upper

92 100

91 161.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 0.384 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 75 Resp: 1518

Ion Ratio Lower Upper

75 100

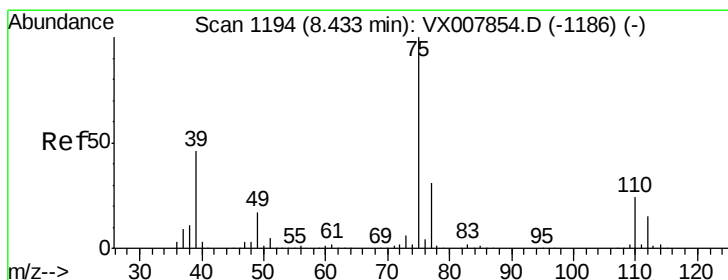
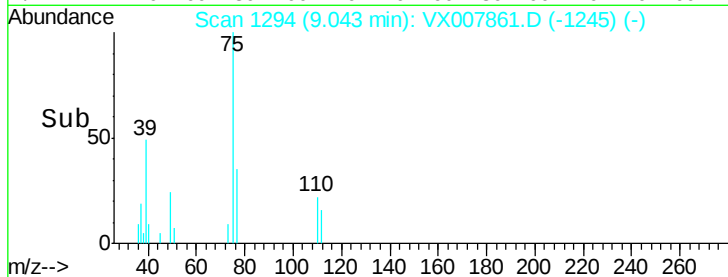
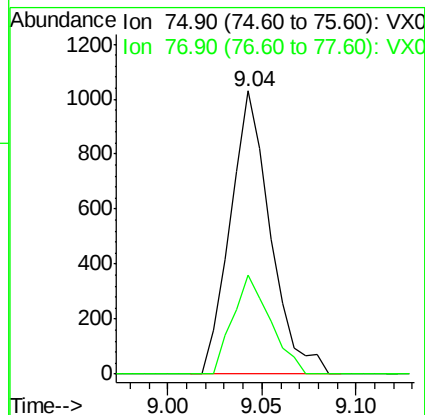
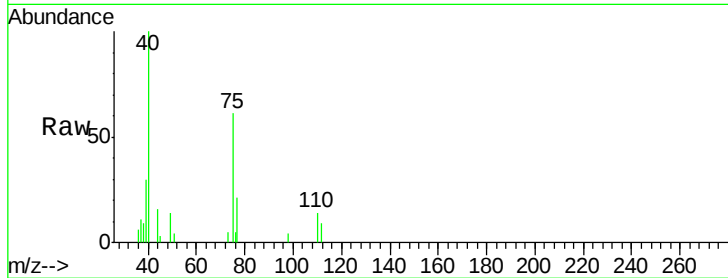
77 35.2 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 0.404 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

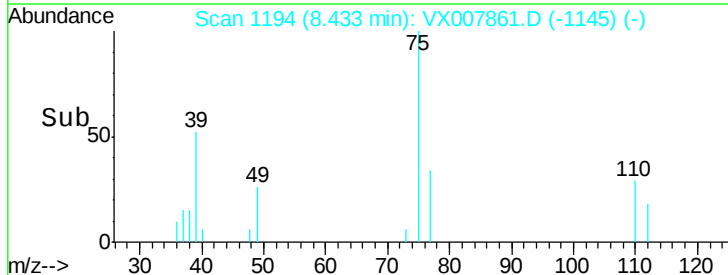
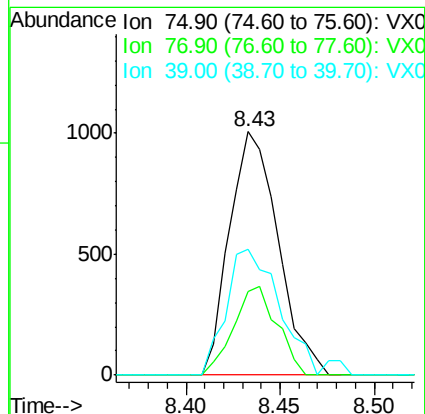
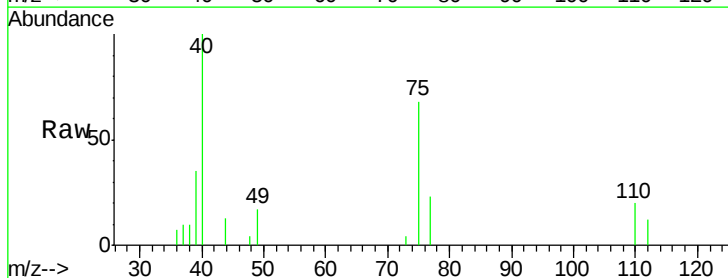
Tgt Ion: 75 Resp: 1806

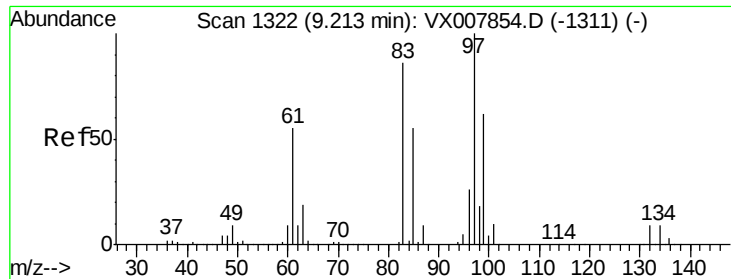
Ion Ratio Lower Upper

75 100

77 34.4 25.0 37.6

39 51.5 36.6 54.8





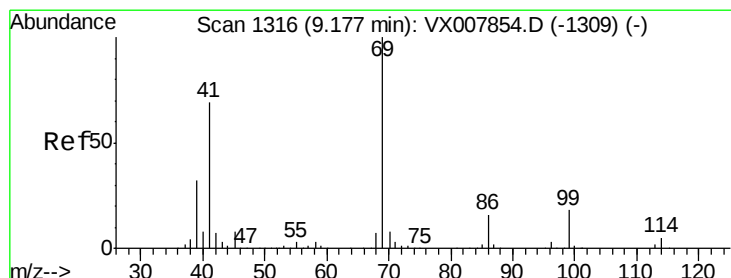
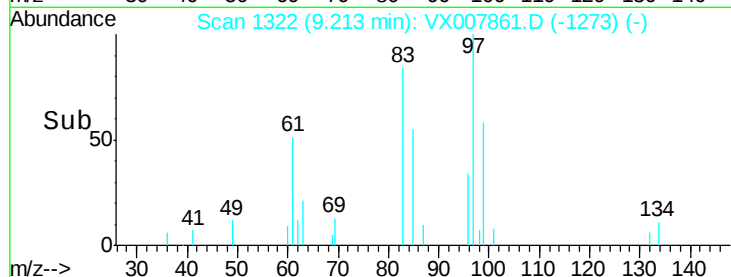
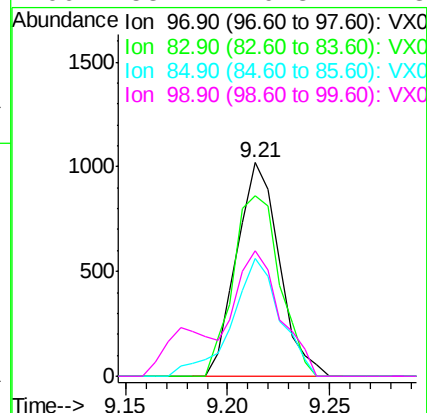
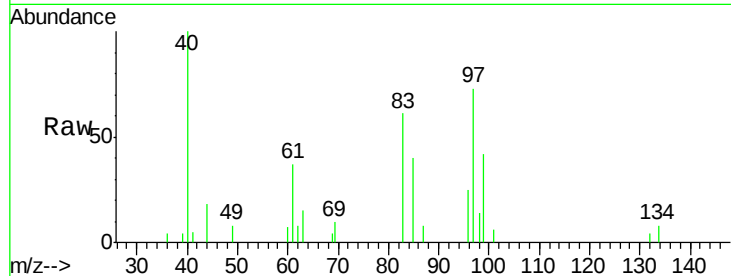
#55
1,1,2-Trichloroethane
Concen: 0.501 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:	97	Resp:	1482
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.1	103.7
85	55.1	44.3	66.5
99	58.4	49.8	74.8

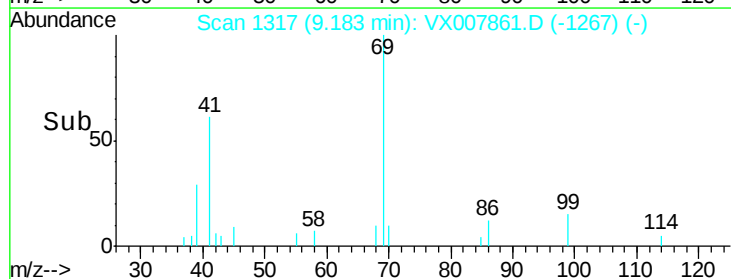
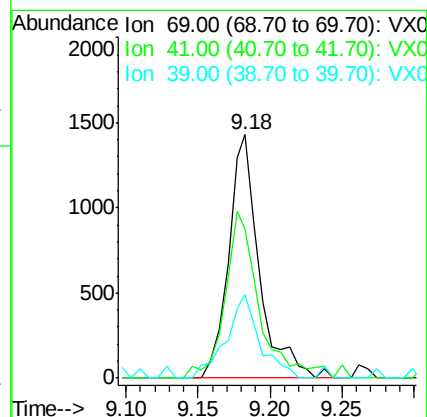
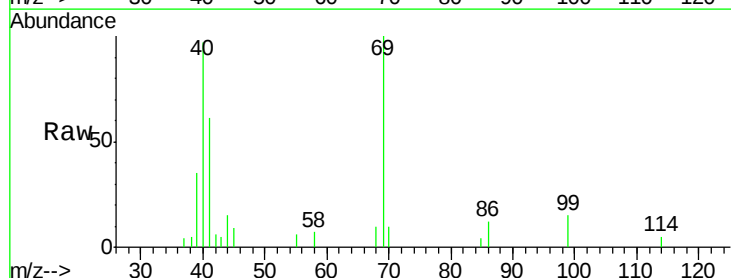
Manual Integrations
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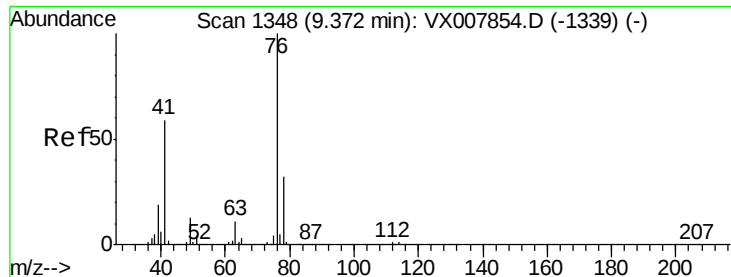
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#56
Ethyl methacrylate
Concen: 0.482 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion:	69	Resp:	2141
Ion	Ratio	Lower	Upper
69	100		
41	76.0	54.2	81.4
39	37.6	25.0	37.4#





#57

1,3-Dichloropropane

Concen: 0.465 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 76 Resp: 2309

Ion Ratio Lower Upper

76 100

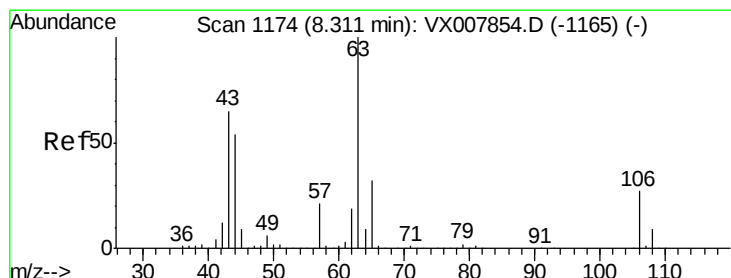
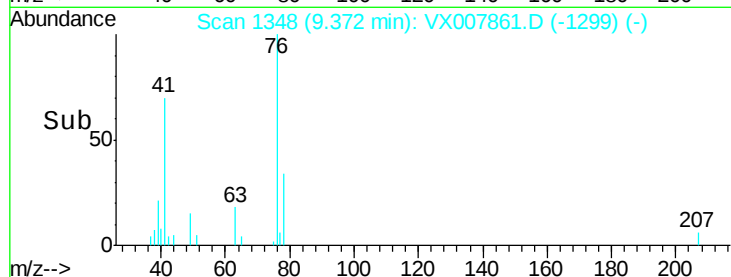
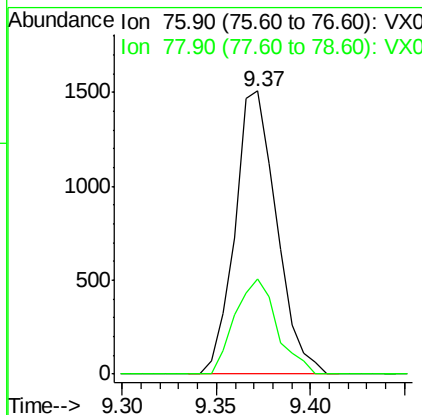
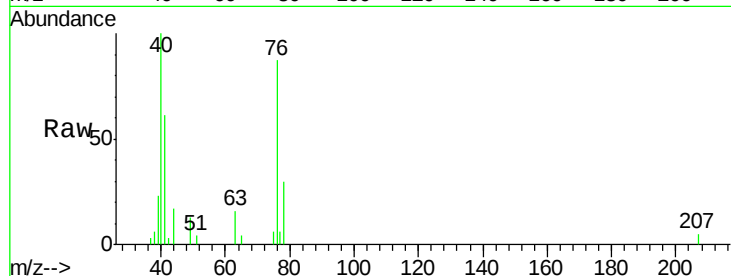
78 34.0 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 2.299 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007861.D

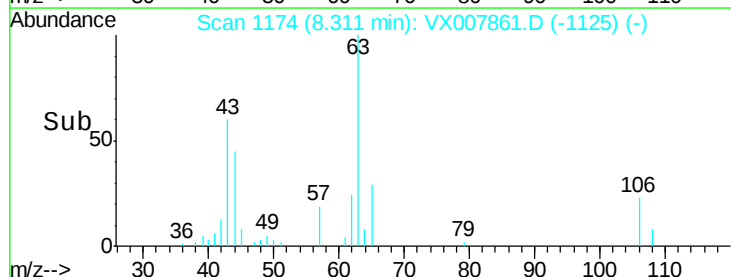
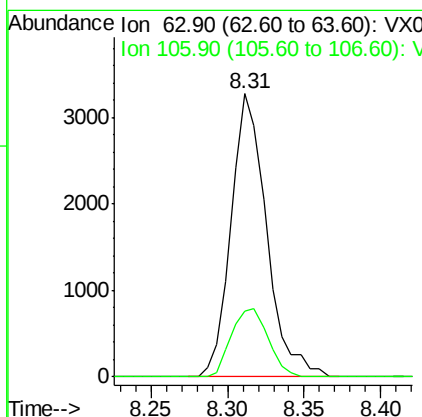
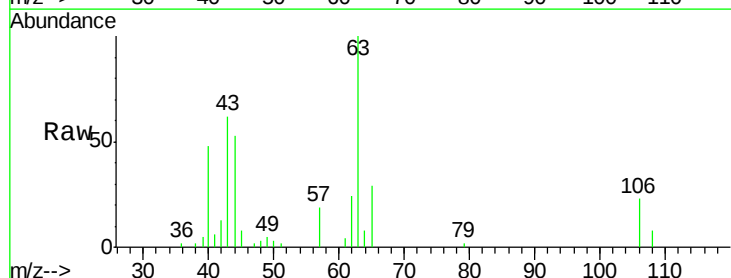
Acq: 06 Mar 2019 15:40

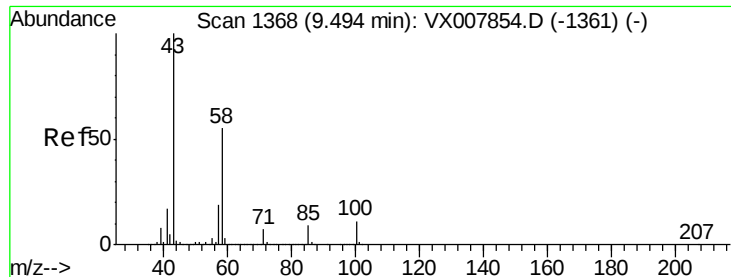
Tgt Ion: 63 Resp: 5277

Ion Ratio Lower Upper

63 100

106 25.2 22.2 33.2





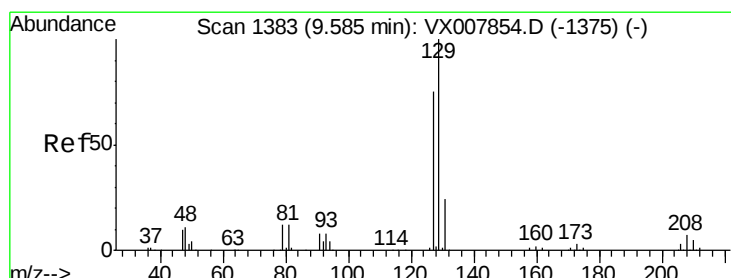
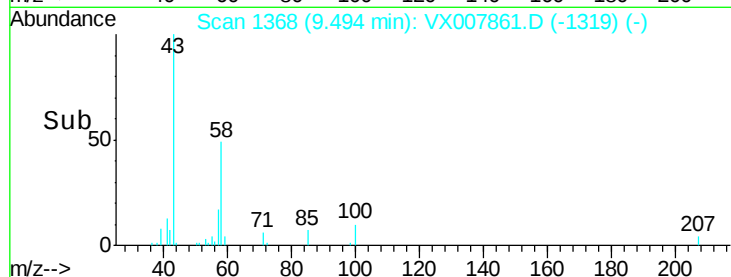
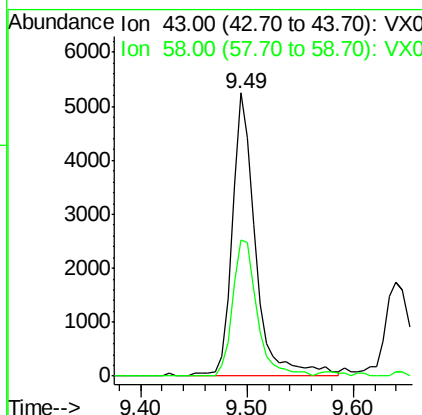
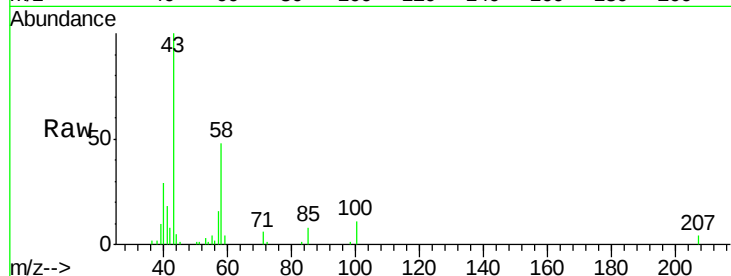
#59
2-Hexanone
Concen: 2.297 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 8092
Ion Ratio Lower Upper
43 100
58 50.1 27.6 82.7

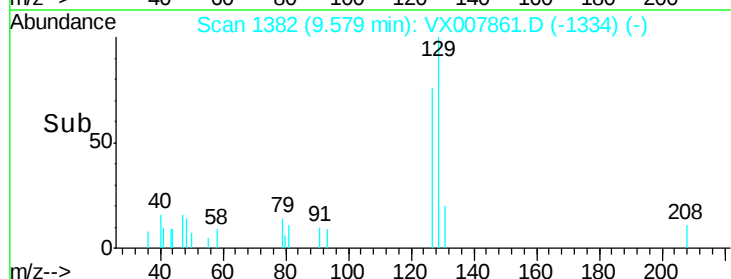
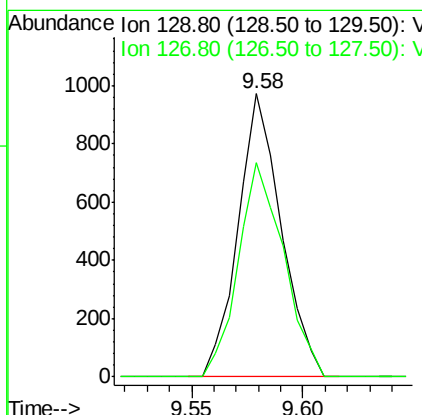
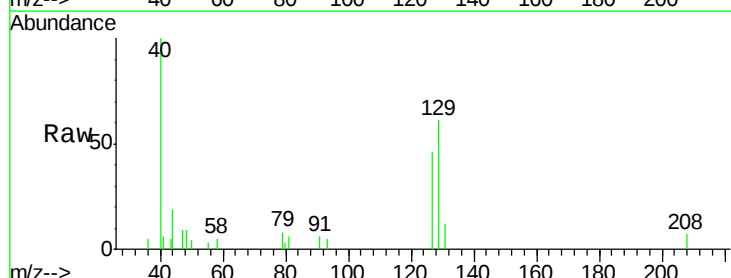
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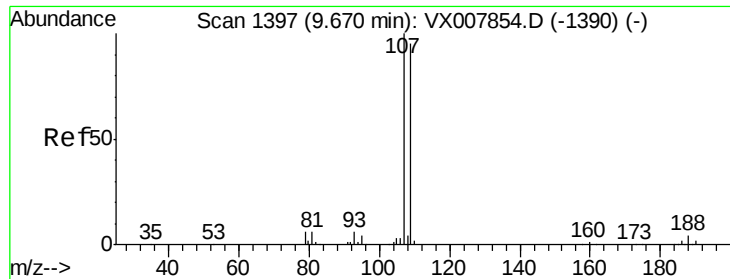
MMDadoda
4/16/2019 11:08:50 AM



#60
Dibromochloromethane
Concen: 0.424 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion: 129 Resp: 1310
Ion Ratio Lower Upper
129 100
127 79.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 0.476 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:107 Resp: 1493

Ion Ratio Lower Upper

107 100

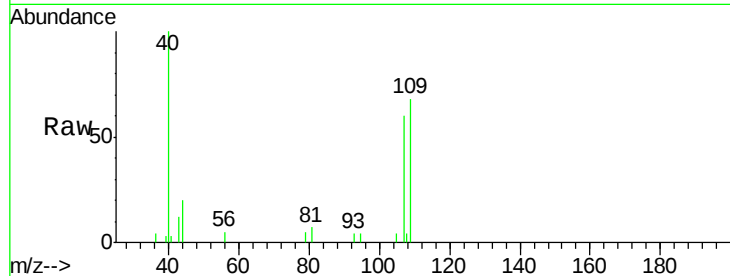
109 93.4 75.8 113.8

Manual Integrations

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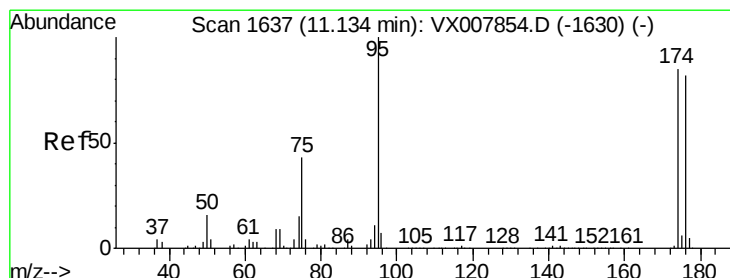
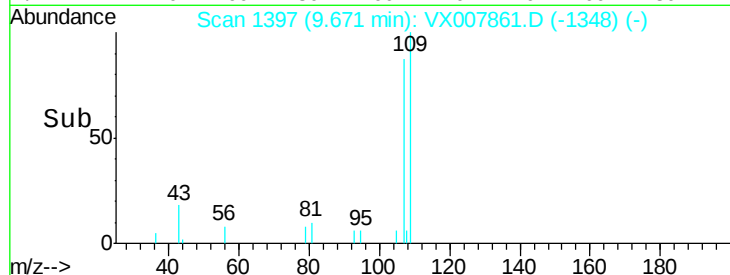
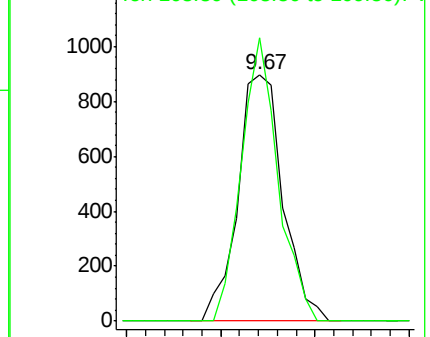
MMDadoda

4/16/2019 11:08:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.476 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

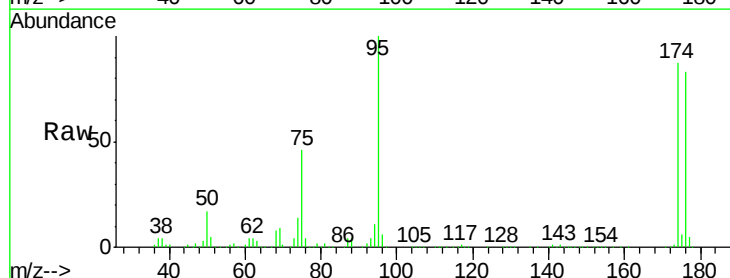
Tgt Ion: 95 Resp: 188087

Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.8

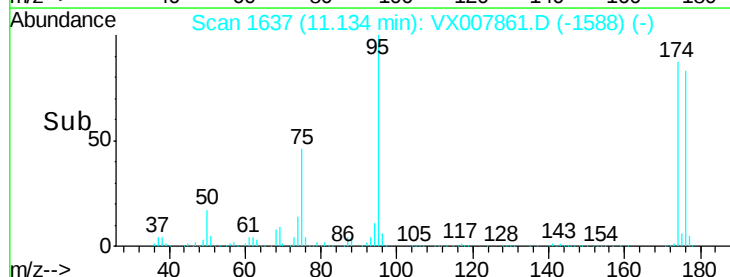
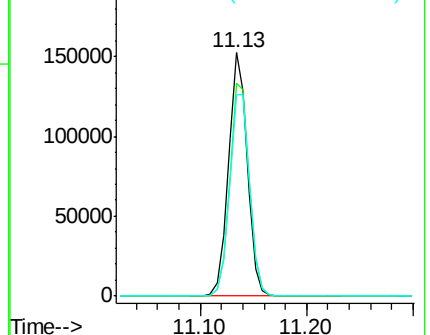
176 88.9 0.0 178.0

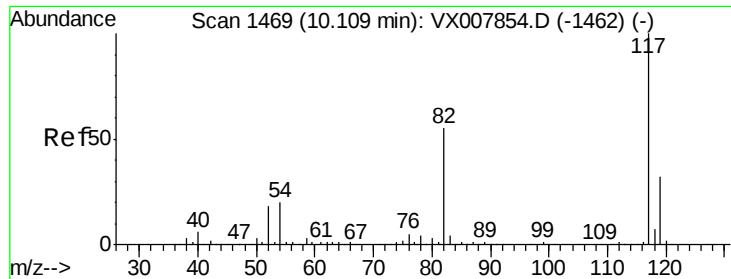


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





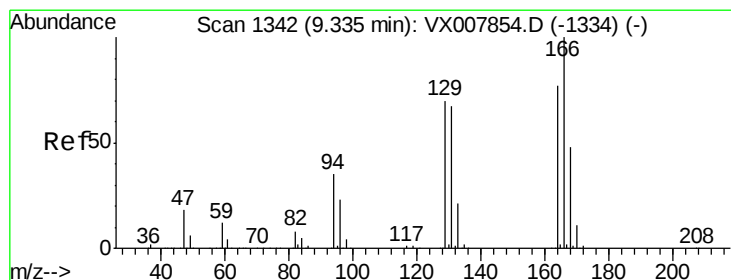
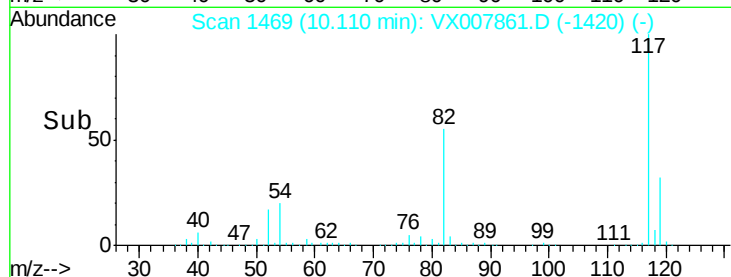
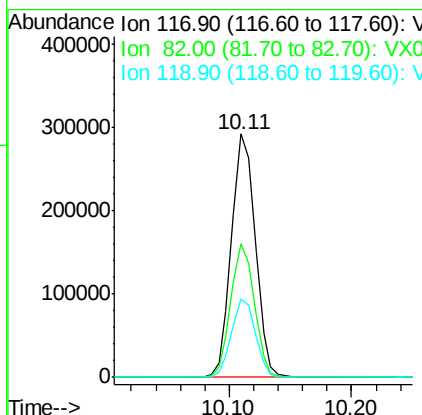
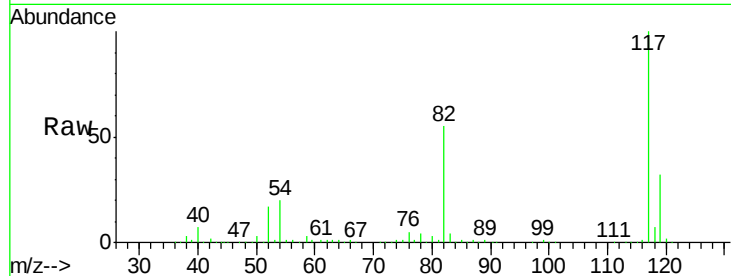
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
117	100	394213		
82	55.0	44.3	66.5	
119	32.1	25.3	37.9	

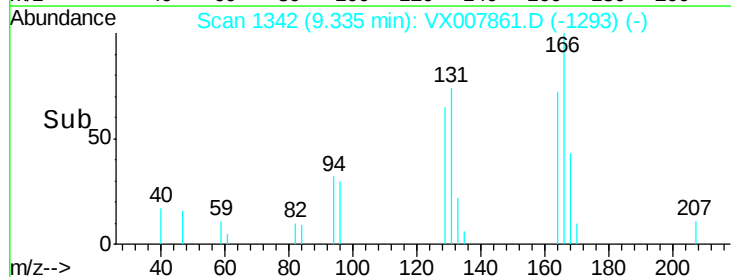
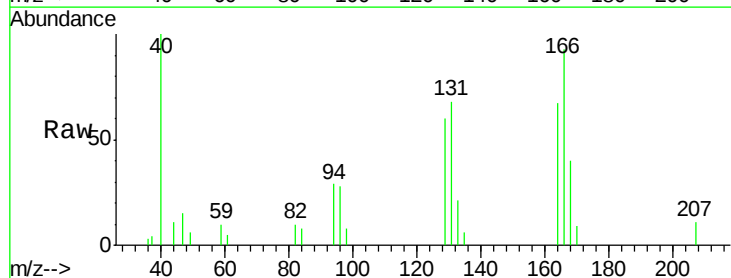
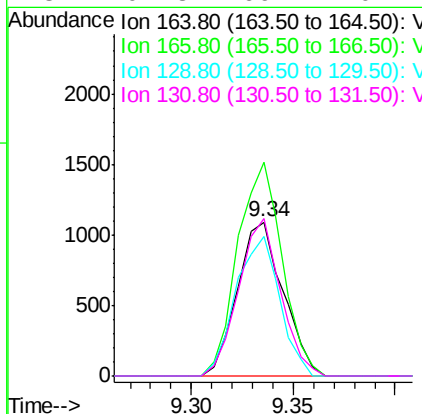
Manual Integrations
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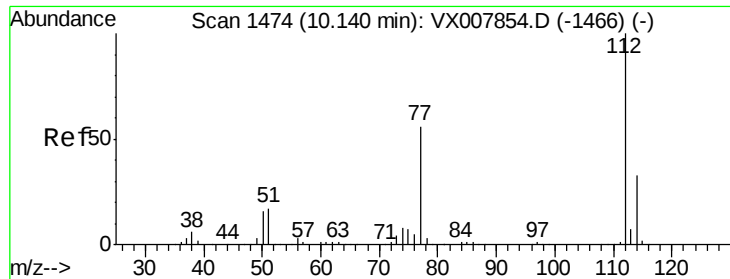
MMDadoda
4/16/2019 11:08:50 AM



#64
Tetrachloroethene
Concen: 0.520 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1699		
166	138.5	103.4	155.0	
129	90.3	72.2	108.4	
131	102.3	69.4	104.2	





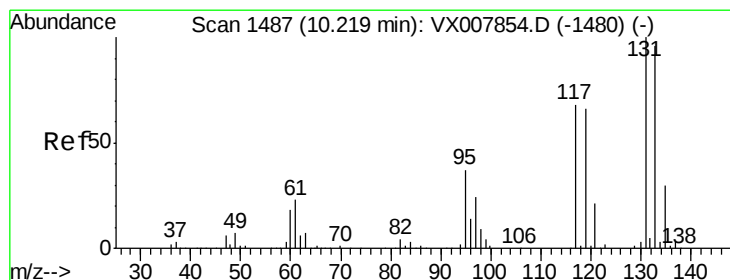
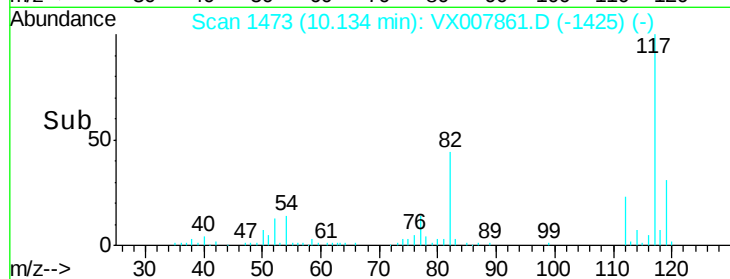
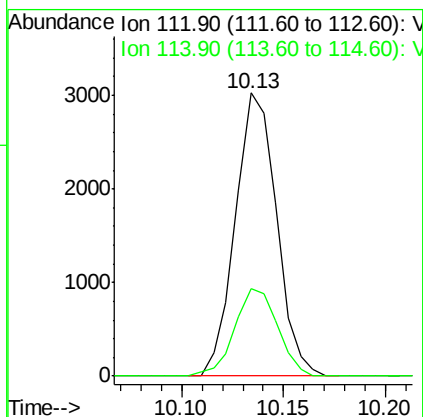
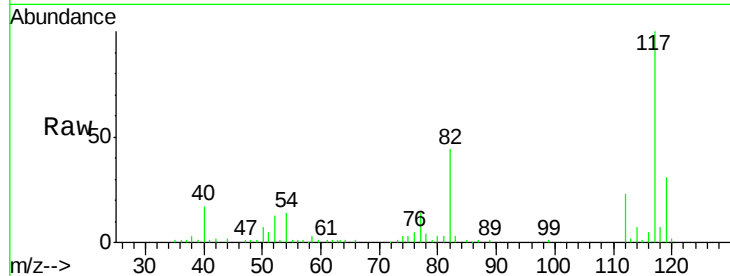
#65
Chlorobenzene
Concen: 0.515 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:112 Resp: 4252
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0

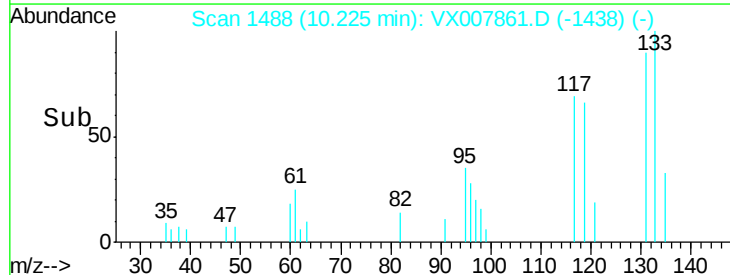
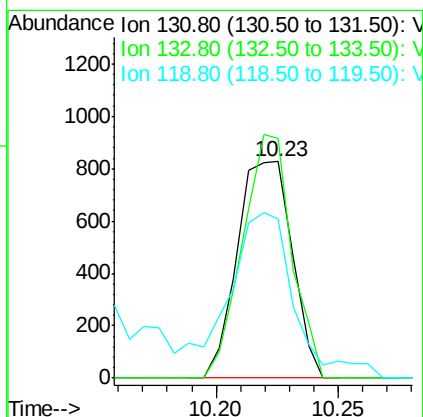
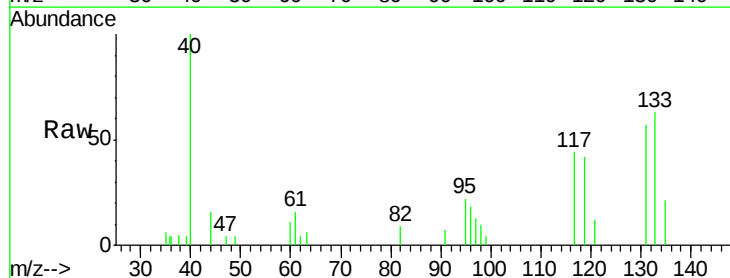
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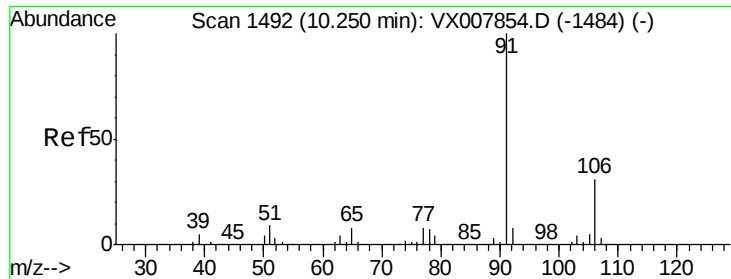
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.435 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion:131 Resp: 1287
Ion Ratio Lower Upper
131 100
133 100.9 47.8 143.3
119 0.0 32.5 97.5#





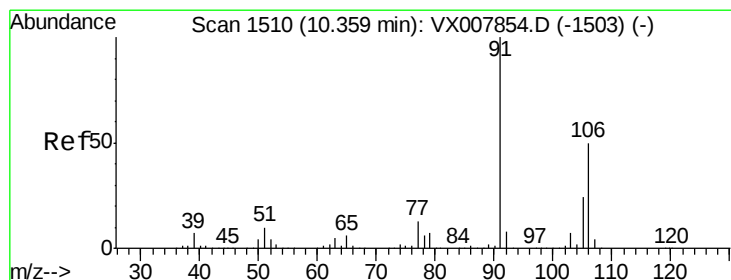
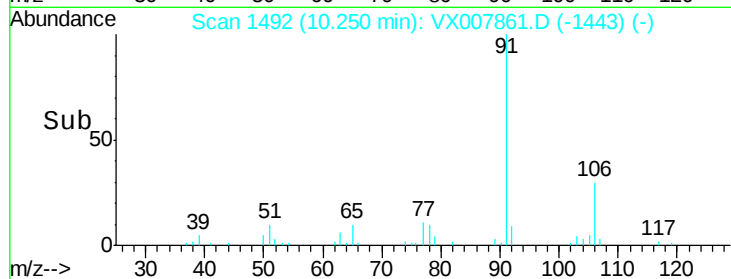
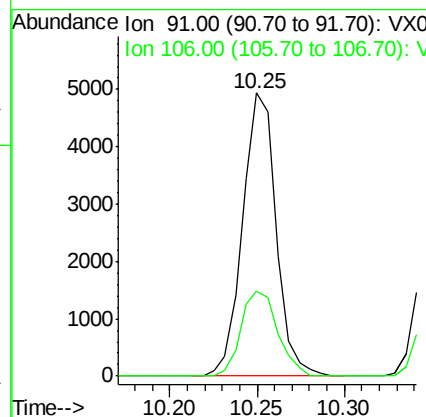
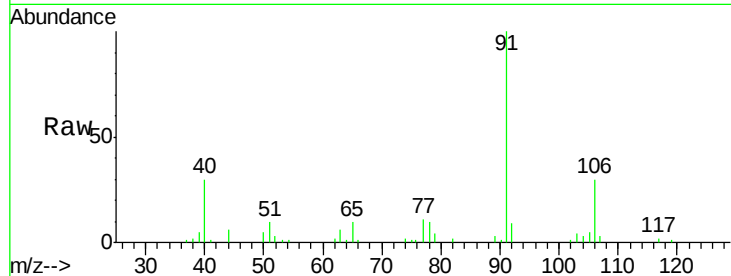
#67
Ethyl Benzene
Concen: 0.484 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 6572
Ion Ratio Lower Upper
91 100
106 30.1 25.2 37.8

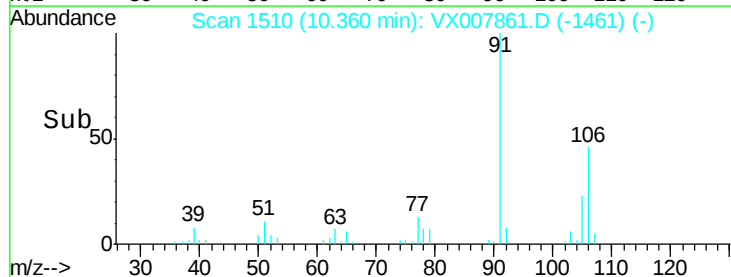
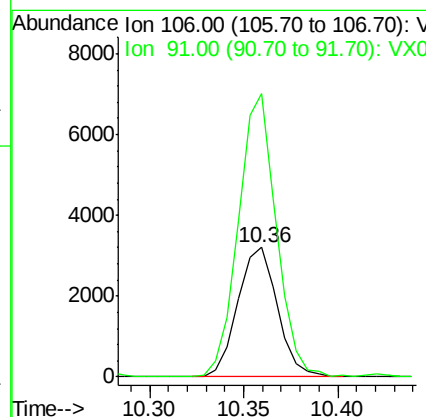
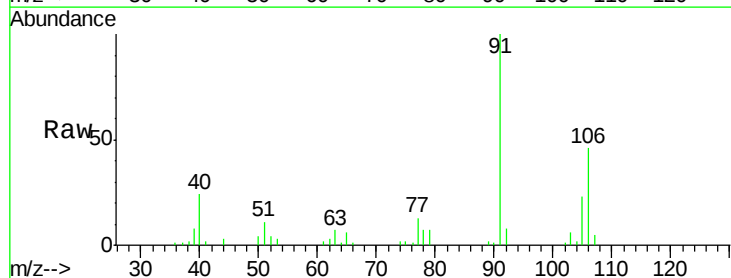
Manual Integrations
APPROVED

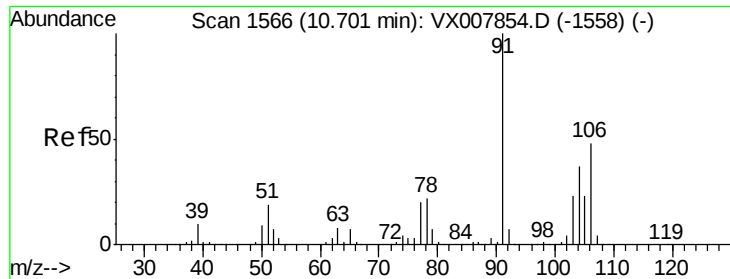
MMDadoda
4/16/2019 11:08:50 AM



#68
m/p-Xylenes
Concen: 0.890 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion: 106 Resp: 4658
Ion Ratio Lower Upper
106 100
91 209.8 159.8 239.6





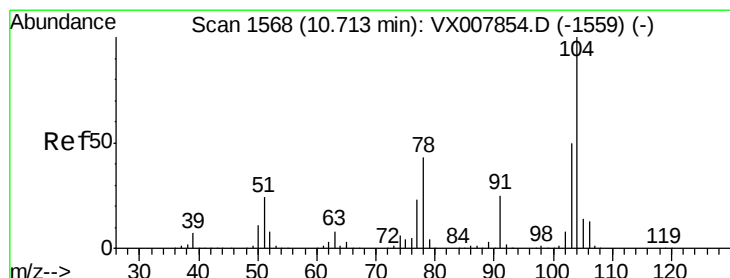
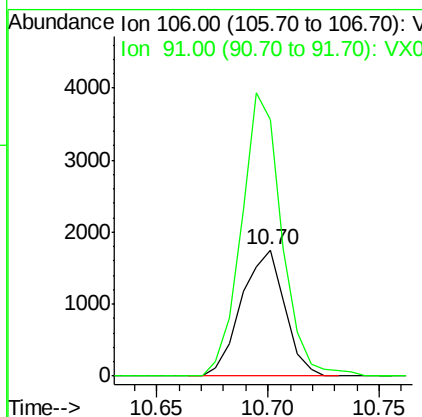
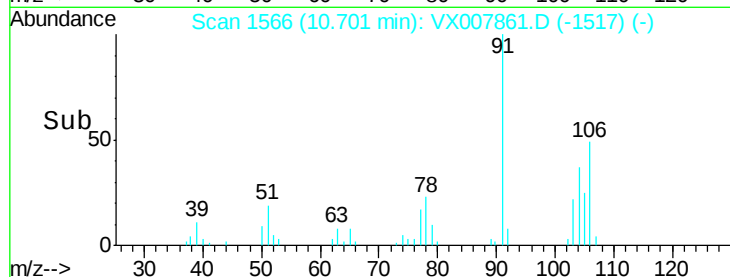
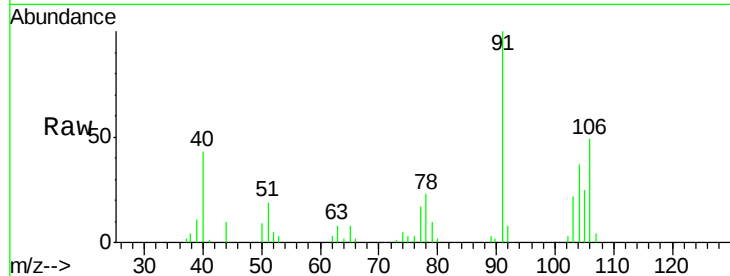
#69
o-Xylene
Concen: 0.468 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:106 Resp: 2364
Ion Ratio Lower Upper
106 100
91 210.2 106.3 318.9

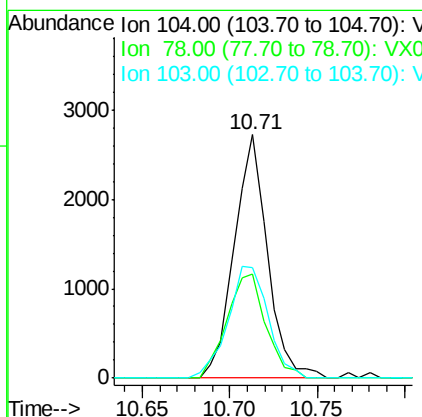
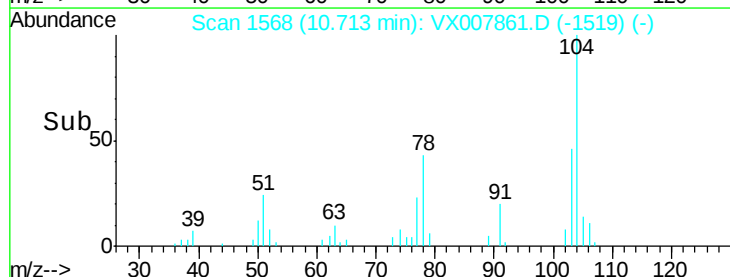
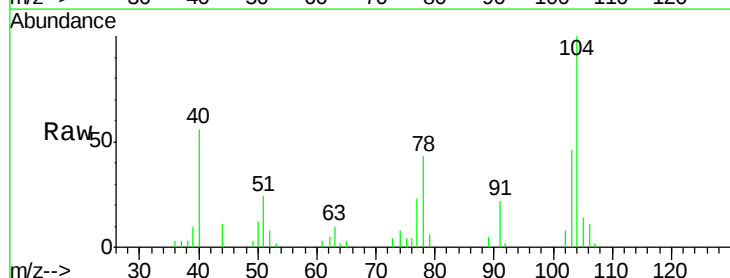
Manual Integrations
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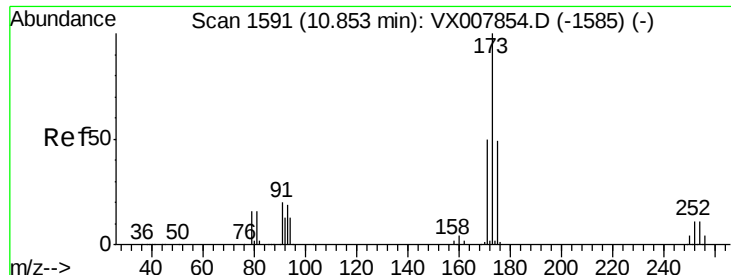
MMDadoda
4/16/2019 11:08:50 AM



#70
Styrene
Concen: 0.436 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion:104 Resp: 3603
Ion Ratio Lower Upper
104 100
78 50.4 38.5 57.7
103 55.5 44.1 66.1





#71

Bromoform

Concen: 0.371 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

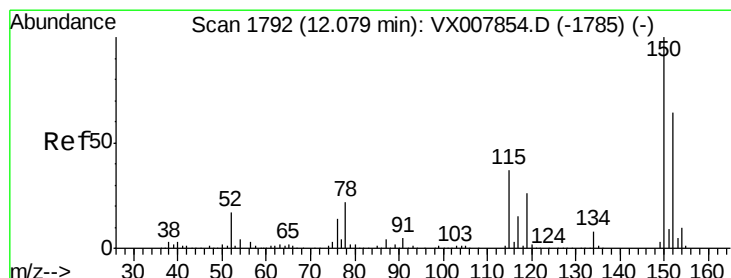
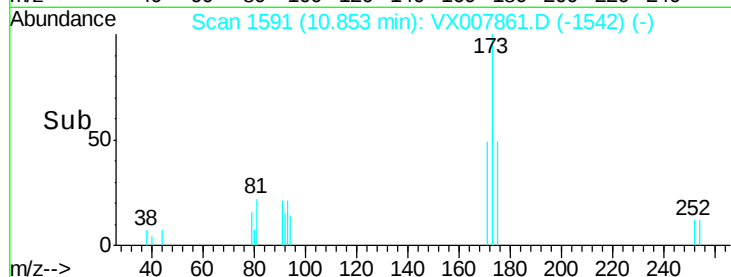
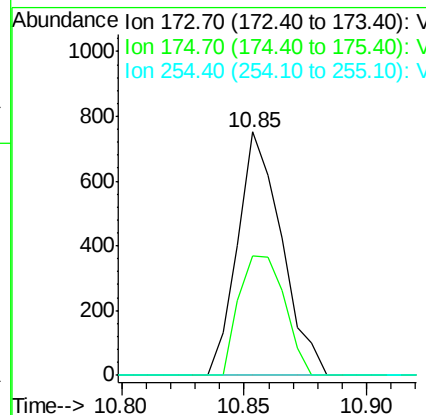
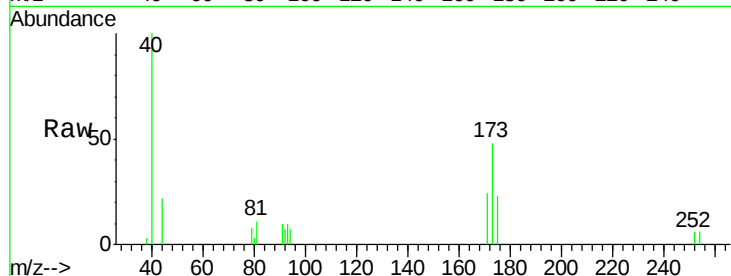
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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4/16/2019 11:08:50 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

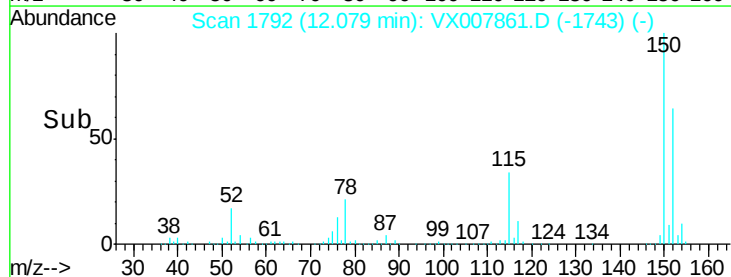
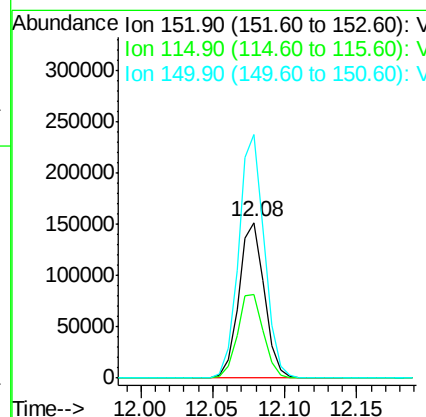
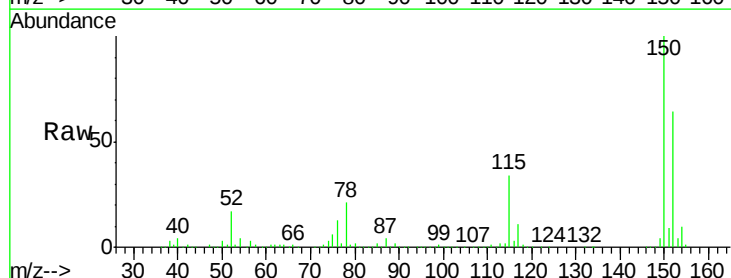
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.6	115.7
150	156.9	0.0	348.4





#73

Isopropylbenzene

Concen: 0.480 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 105 Resp: 6116

Ion Ratio Lower Upper

105 100

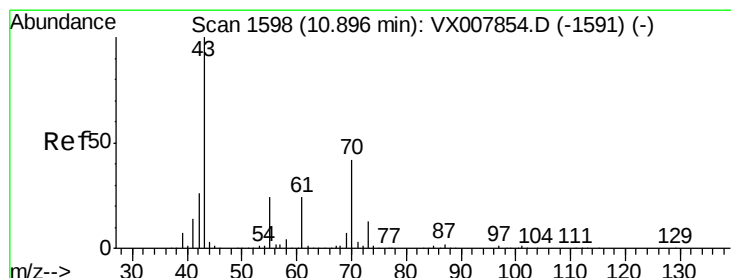
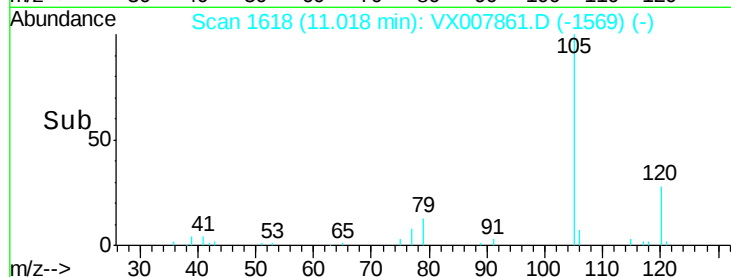
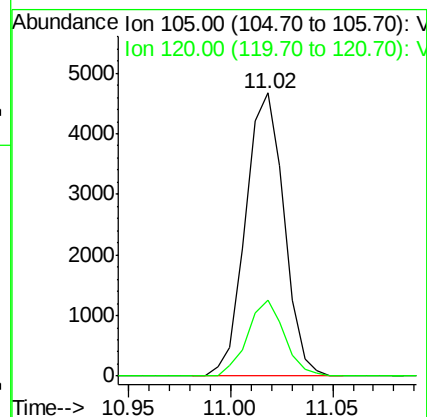
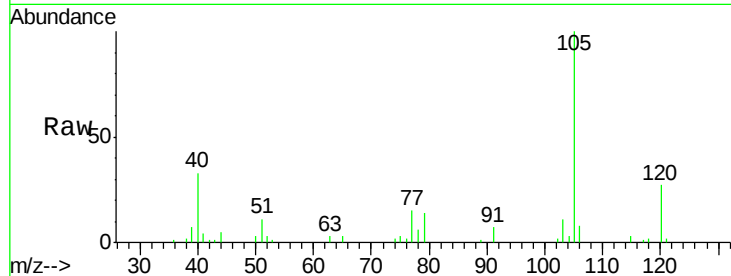
120 25.8 13.4 40.1

Manual Integrations

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4/16/2019 11:08:50 AM



#74

N-ethyl acetate

Concen: 0.404 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion: 43 Resp: 2350

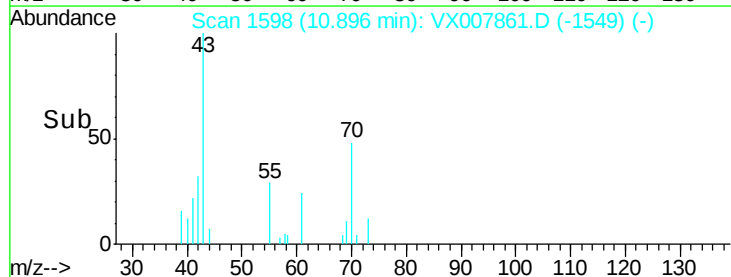
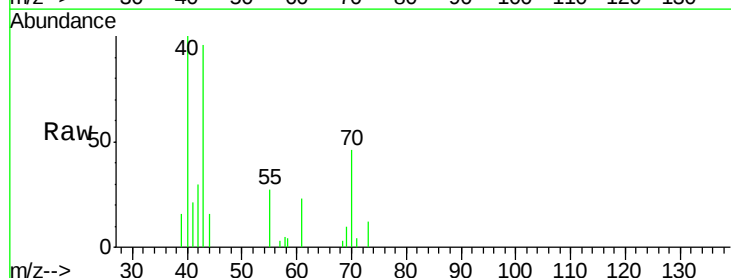
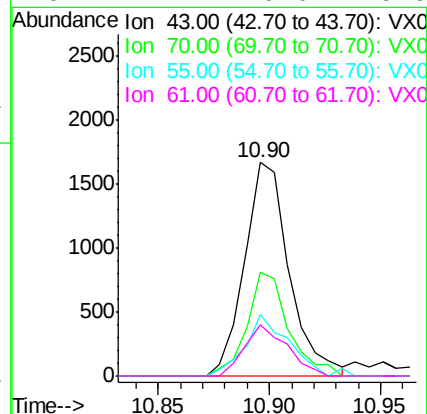
Ion Ratio Lower Upper

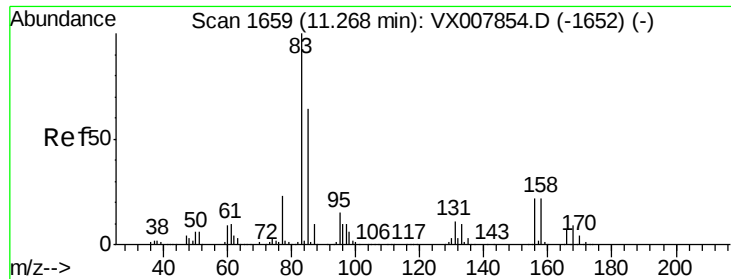
43 100

70 45.2 33.5 50.3

55 28.7 19.2 28.8

61 22.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.519 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

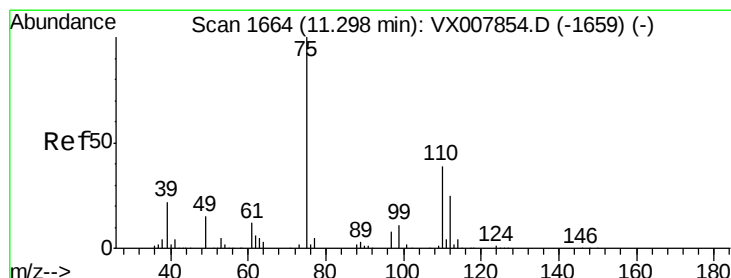
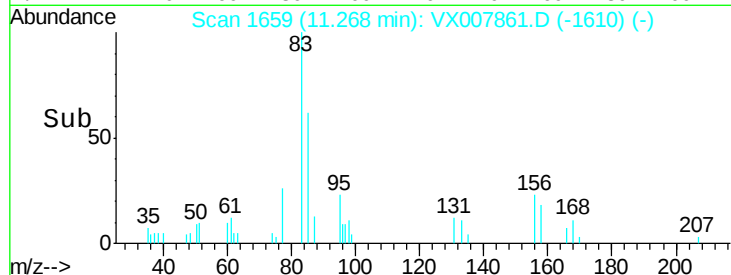
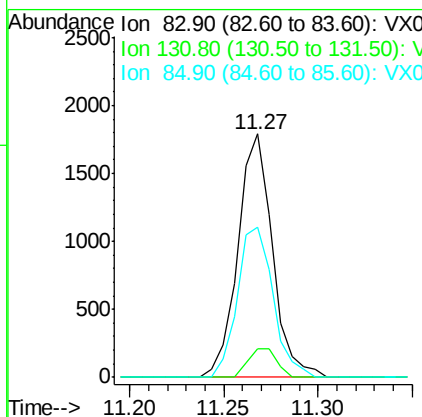
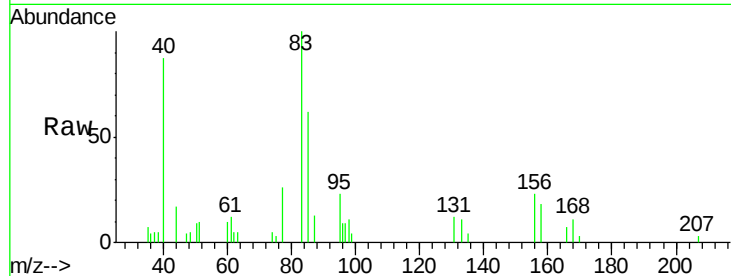
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	83	Resp:	2281
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.4	16.2
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.523 ug/l m

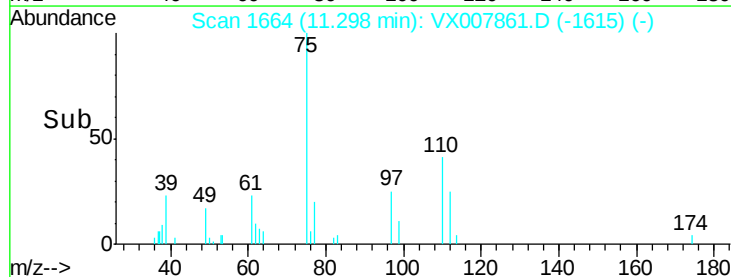
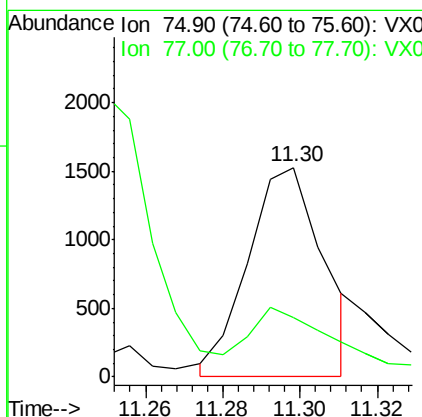
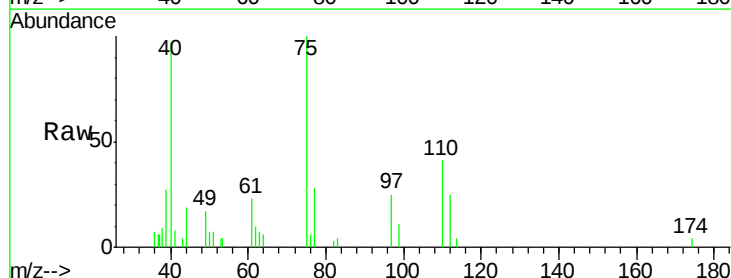
RT: 11.30 min Scan# 1664

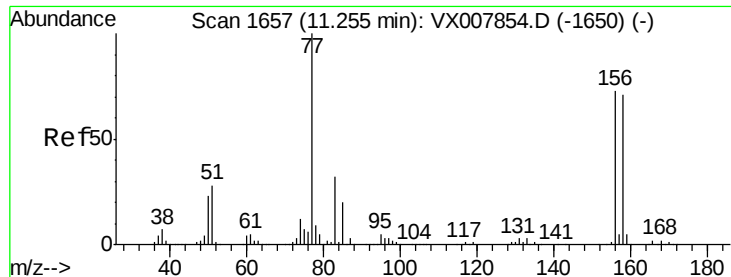
Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	75	Resp:	2066
Ion Ratio	Lower	Upper	
75	100		
77	53.6	18.9	56.7





#77

Bromobenzene

Concen: 0.554 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

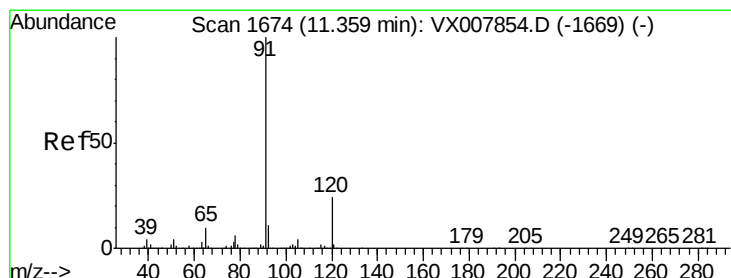
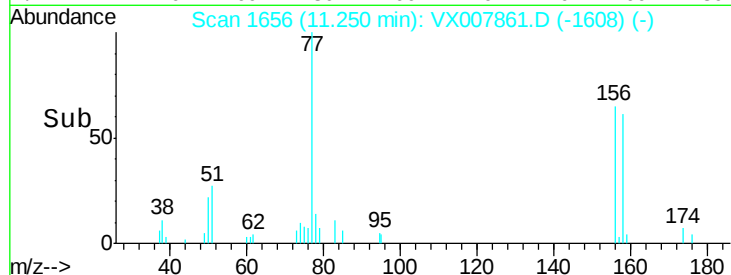
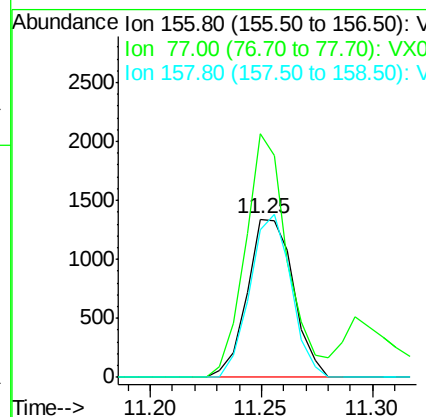
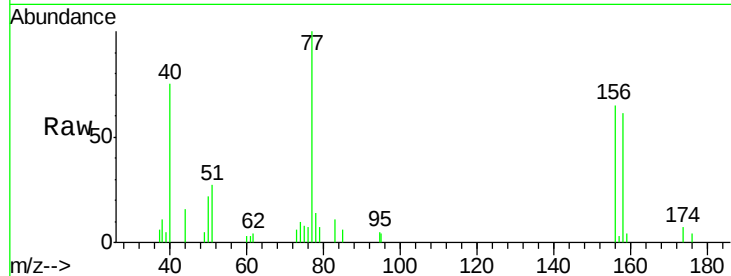
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	156	Resp:	1936
Ion	Ratio	Lower	Upper
156	100		
77	142.0	72.0	215.9
158	91.9	48.6	145.9

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#78

n-propylbenzene

Concen: 0.491 ug/l

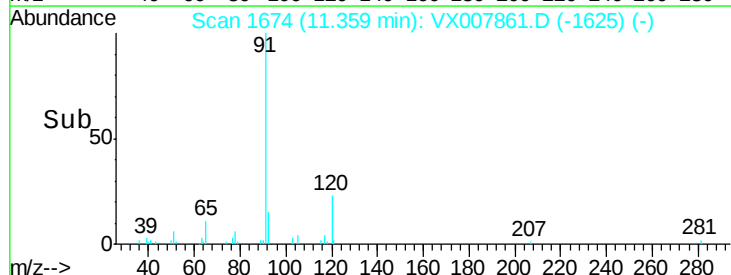
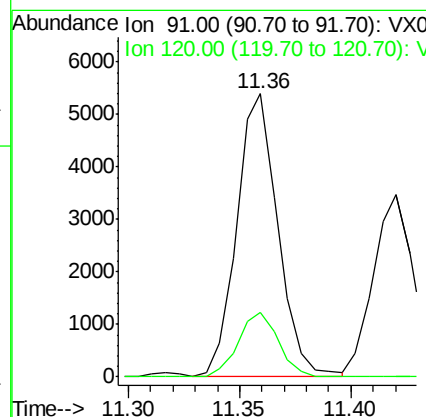
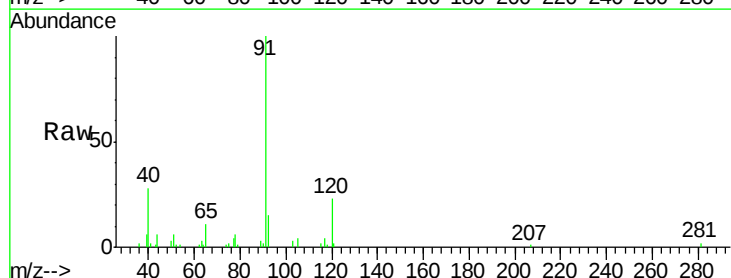
RT: 11.36 min Scan# 1674

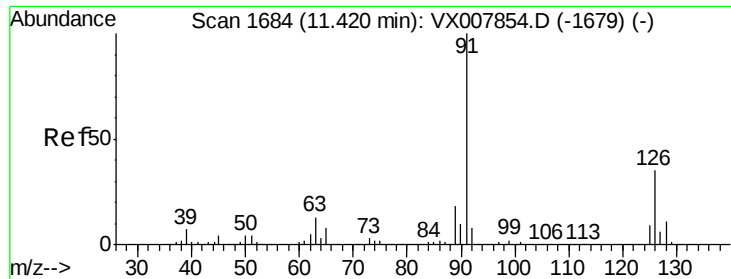
Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	91	Resp:	6946
Ion	Ratio	Lower	Upper
91	100		
120	22.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 0.515 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 4453

Ion Ratio Lower Upper

91 100

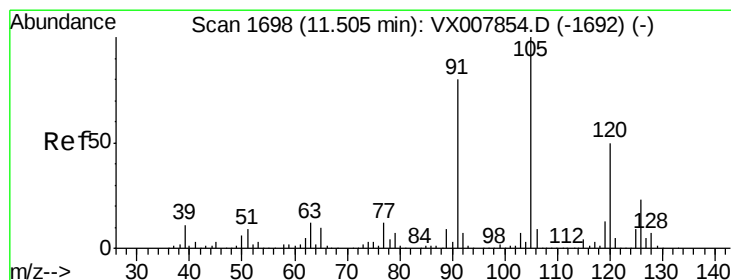
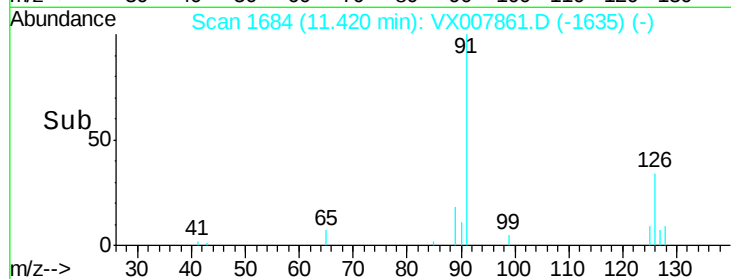
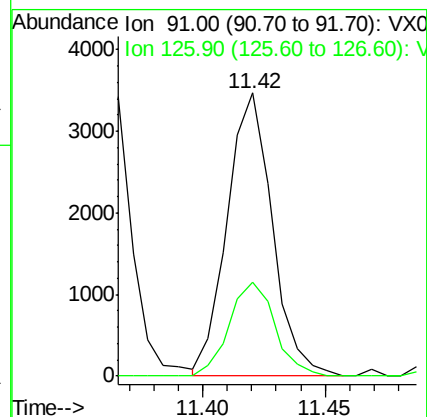
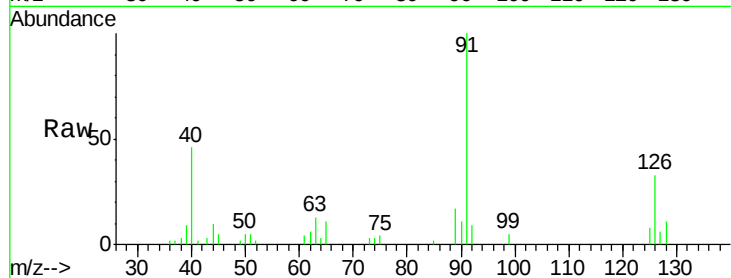
126 33.5 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 0.475 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007861.D

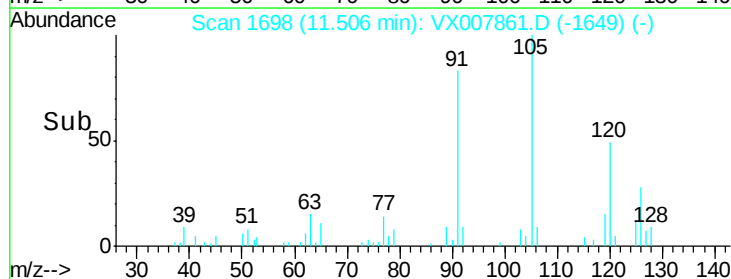
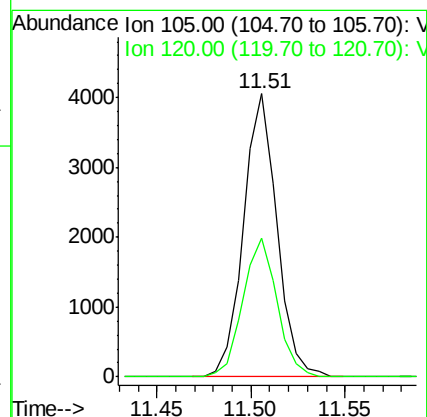
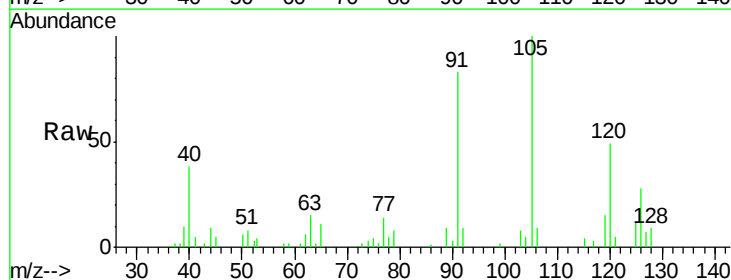
Acq: 06 Mar 2019 15:40

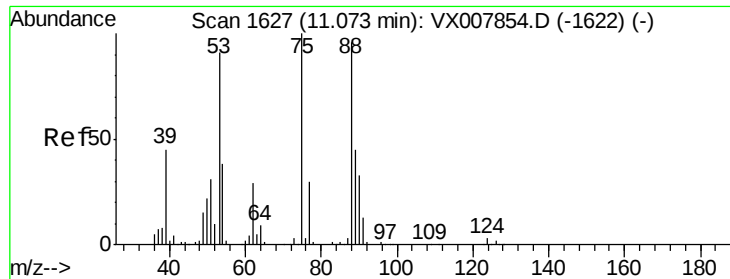
Tgt Ion: 105 Resp: 4977

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





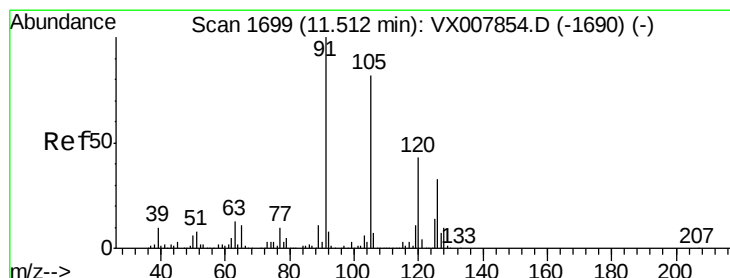
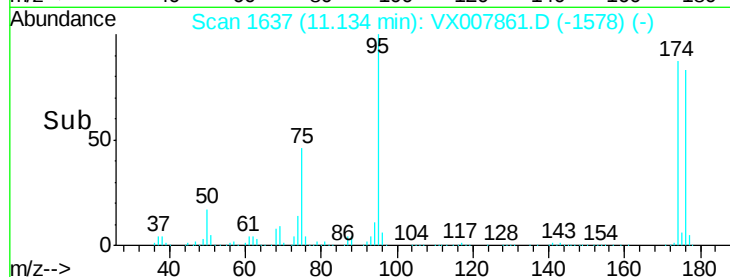
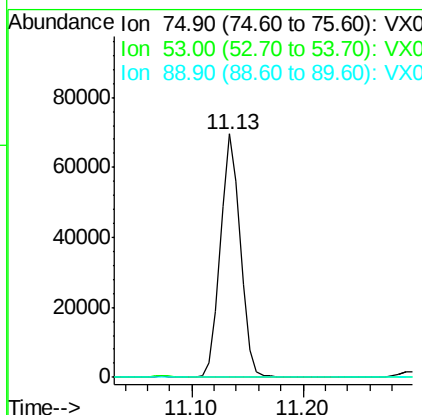
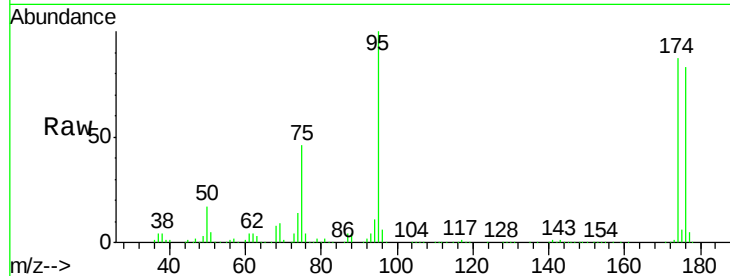
#81
trans-1,4-Dichloro-2-butene
Concen: 69.663 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	76.1	114.1#
89	0.0	36.3	54.5#

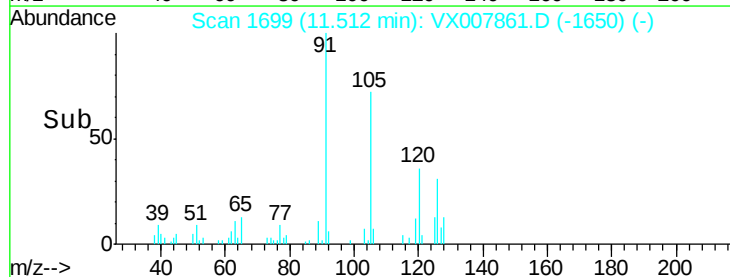
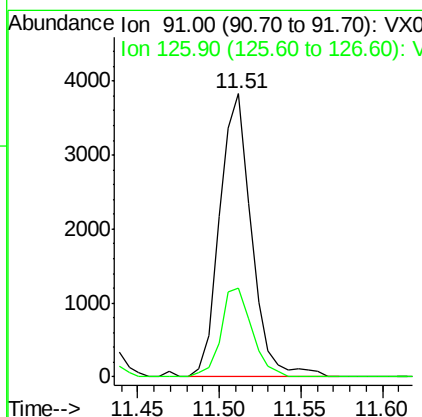
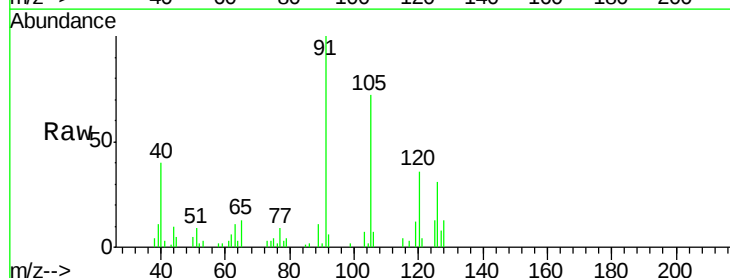
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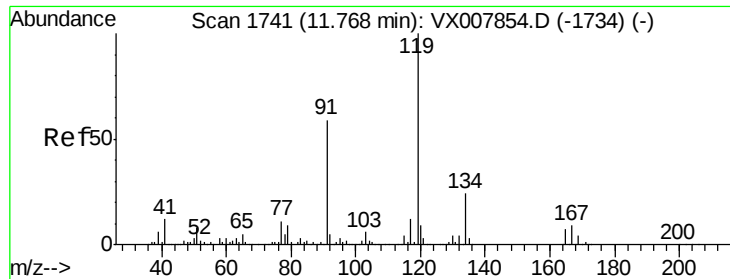
MMDadoda
4/16/2019 11:08:50 AM



#82
4-Chlorotoluene
Concen: 0.527 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.8





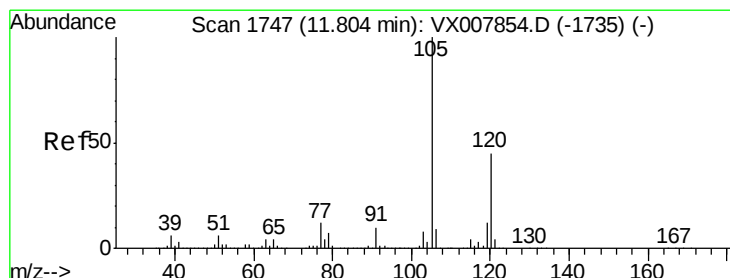
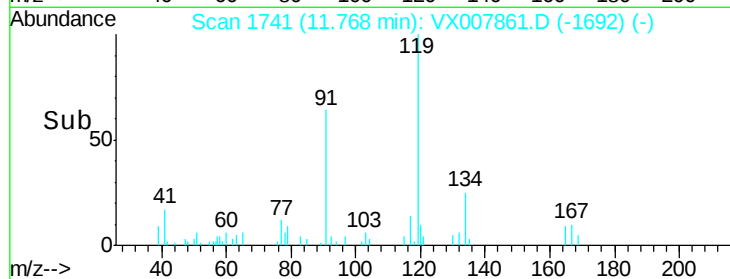
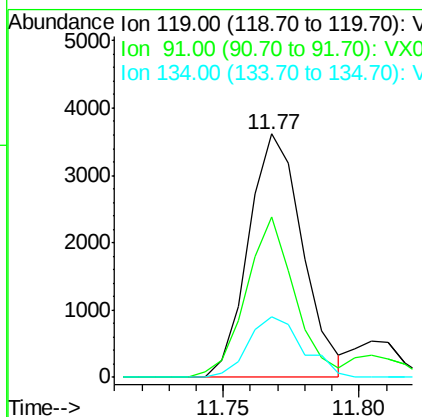
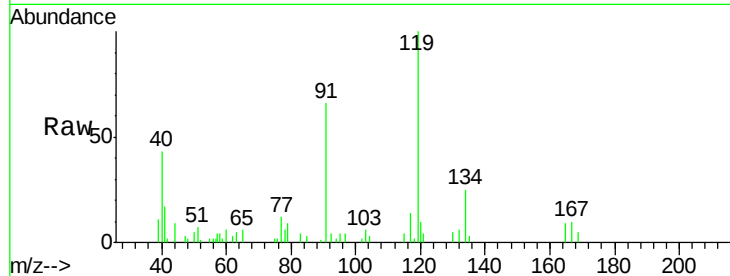
#83
tert-Butylbenzene
Concen: 0.471 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	27.1	81.3
134	25.1	11.4	34.1

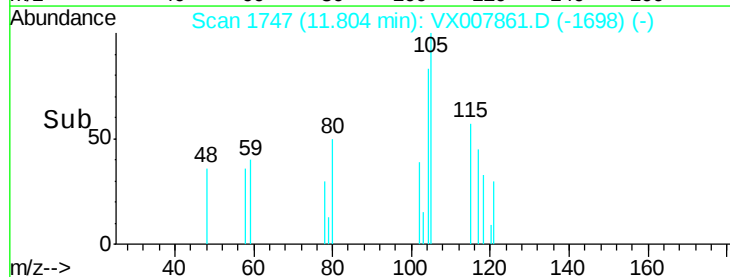
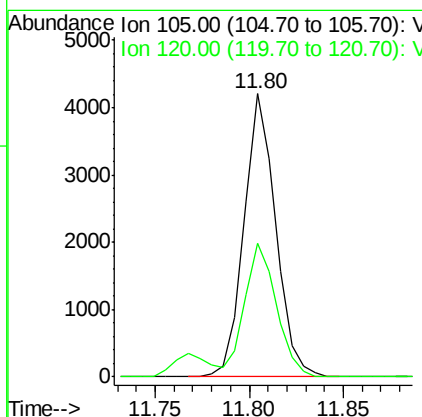
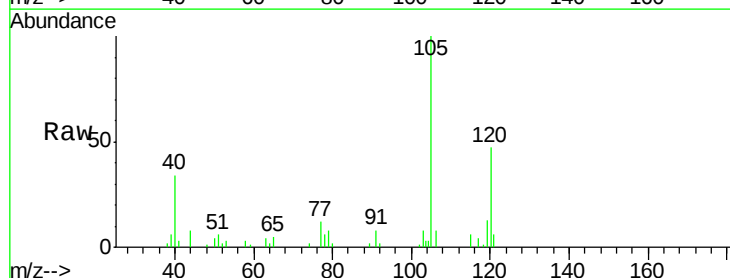
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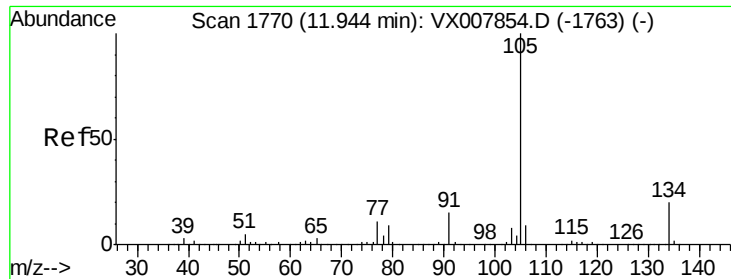
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#84
1,2,4-Trimethylbenzene
Concen: 0.456 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	22.6	67.7





#85

sec-Butylbenzene

Concen: 0.465 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 5786

Ion Ratio Lower Upper

105 100

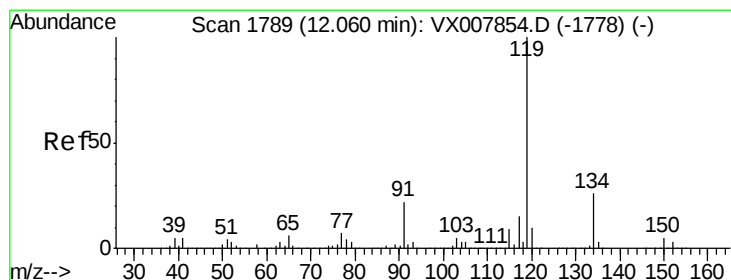
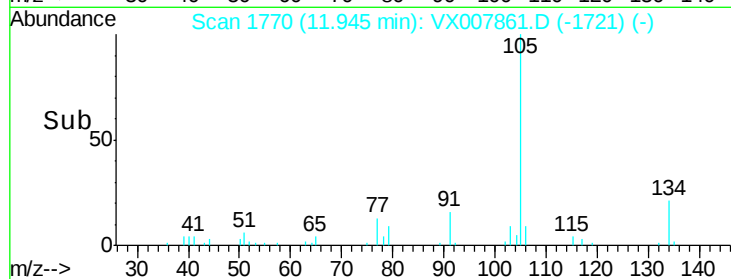
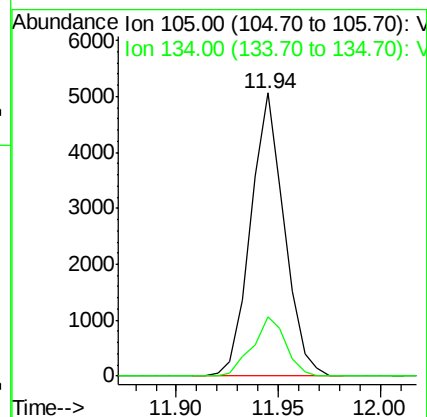
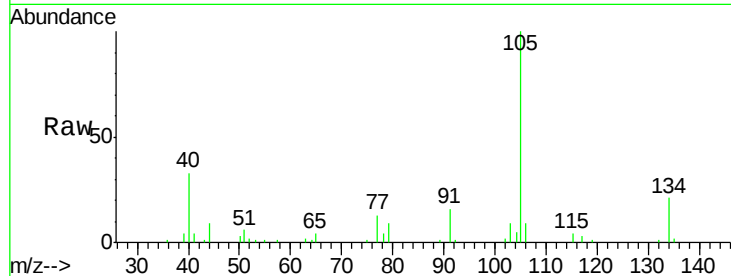
134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 0.442 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

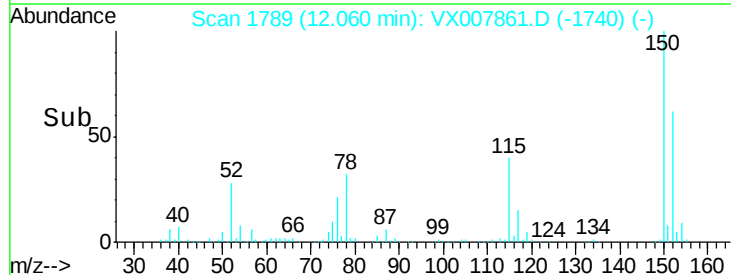
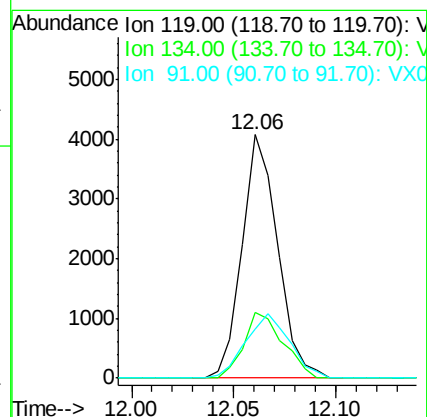
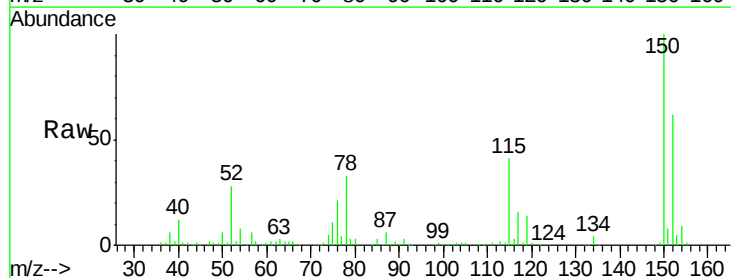
Tgt Ion:119 Resp: 4927

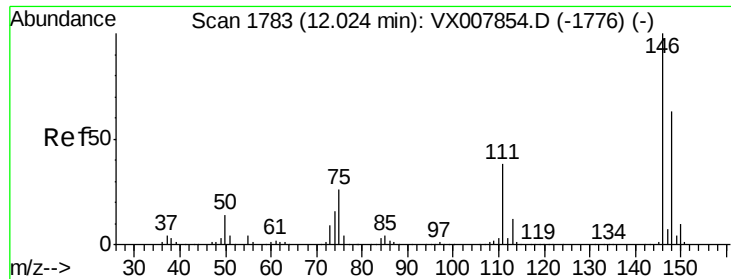
Ion Ratio Lower Upper

119 100

134 29.6 13.3 39.9

91 32.6 10.9 32.7





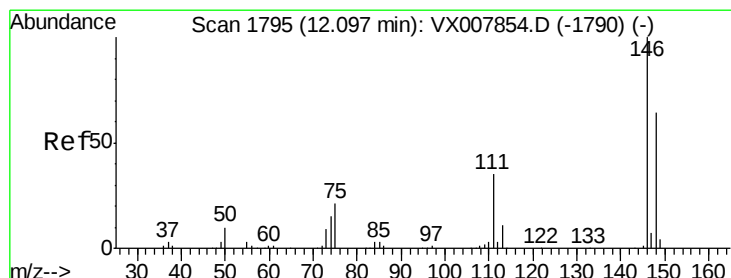
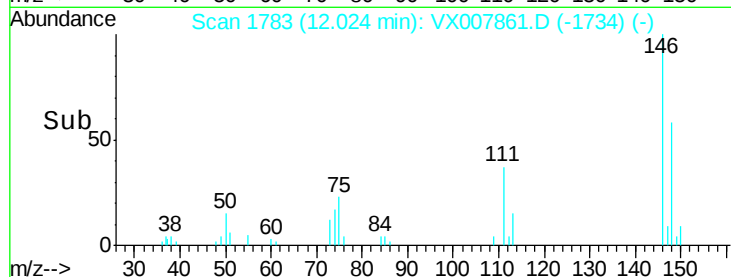
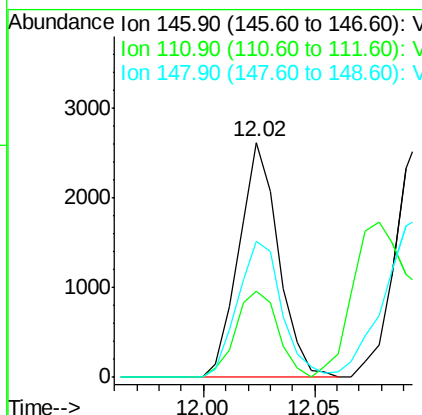
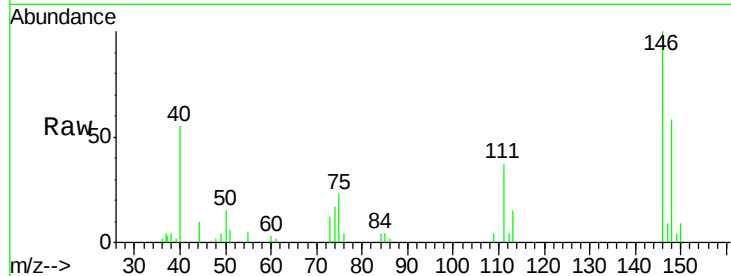
#87
 1,3-Dichlorobenzene
 Concen: 0.525 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.9	56.7
148	64.6	31.7	95.1

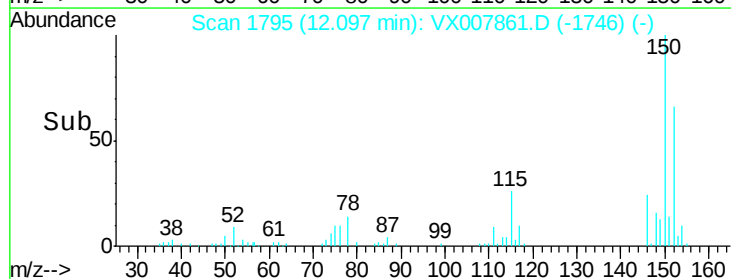
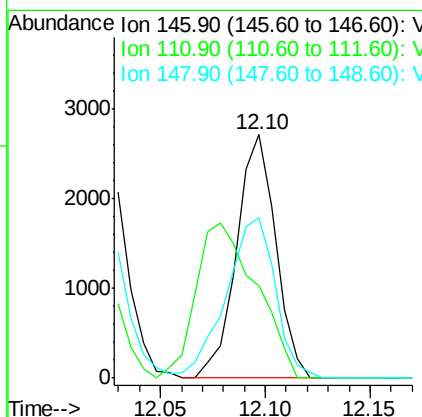
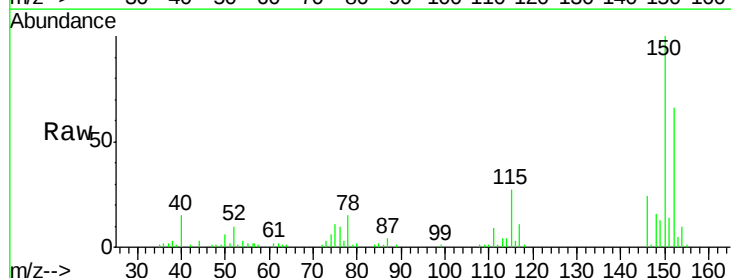
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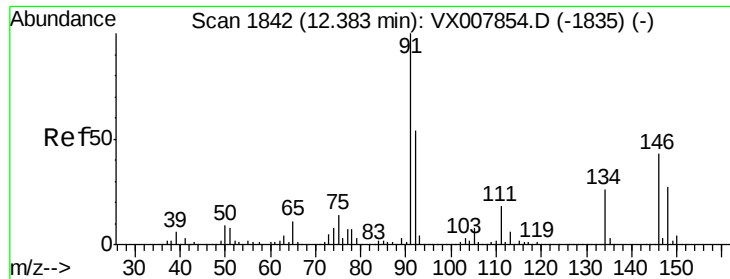
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#88
 1,4-Dichlorobenzene
 Concen: 0.555 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.0
148	59.8	32.2	96.6





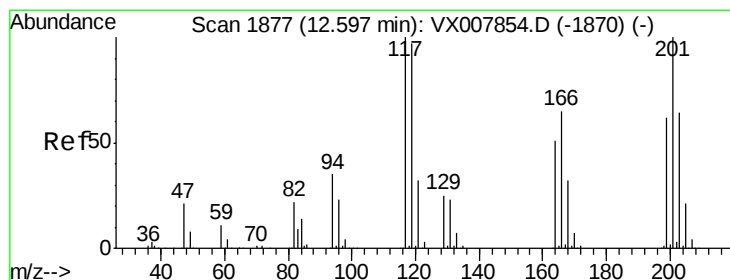
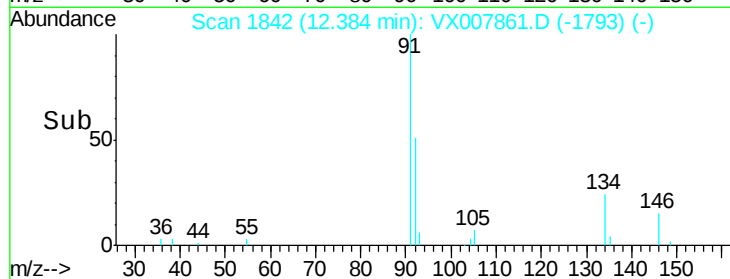
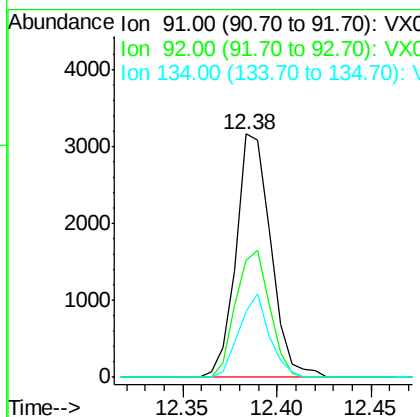
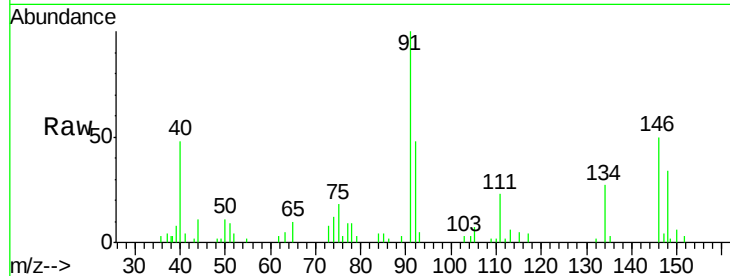
#89
n-Butylbenzene
Concen: 0.429 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	27.0	80.8
134	29.5	13.7	41.0

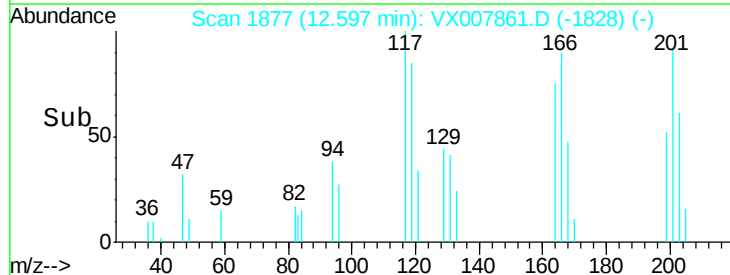
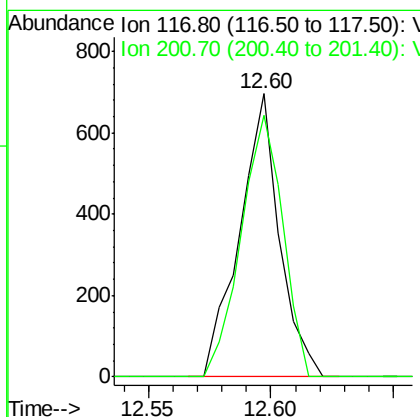
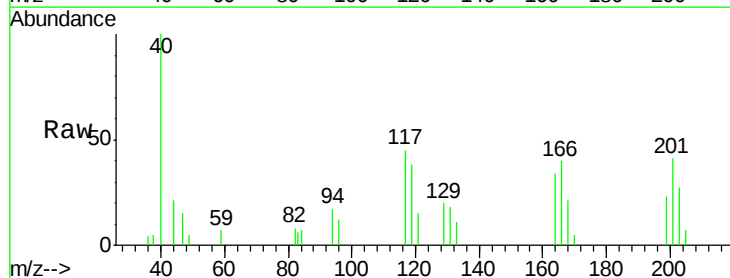
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#90
Hexachloroethane
Concen: 0.425 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007861.D
Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 0.493 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

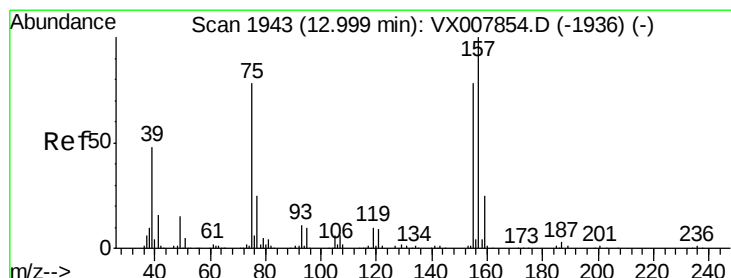
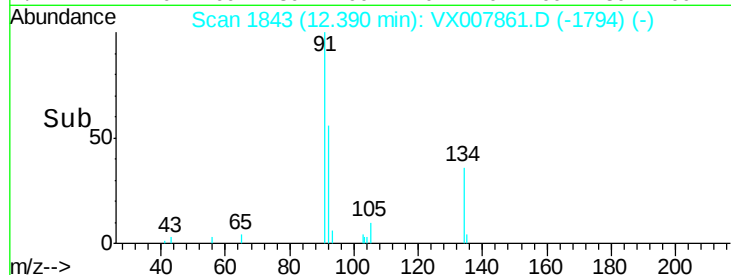
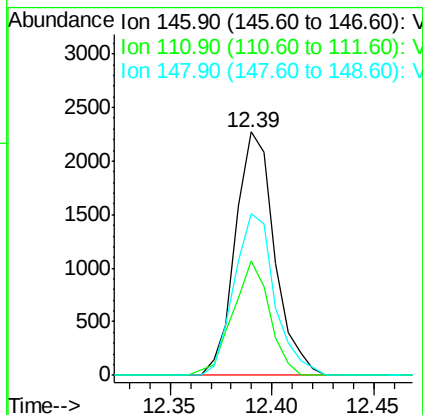
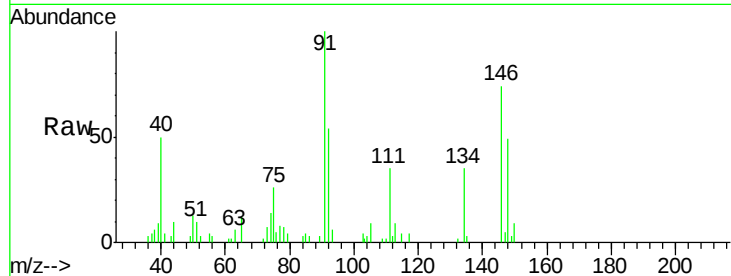
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	146	Resp:	3027
Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.6	58.8
148	68.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.403 ug/l

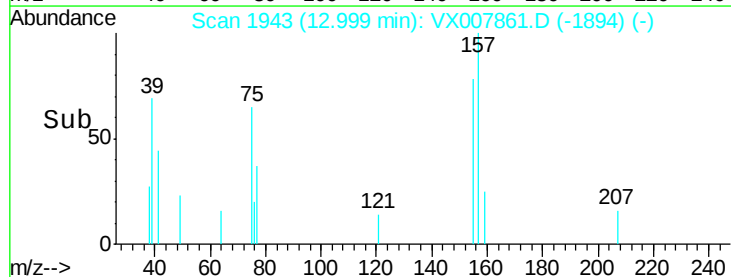
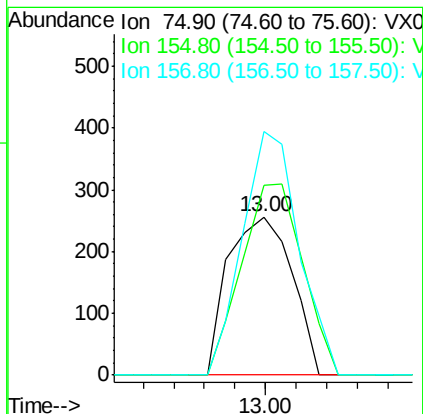
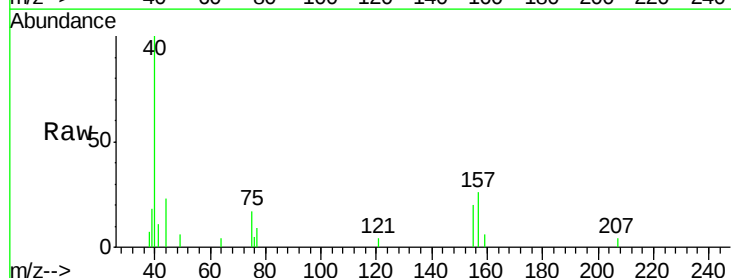
RT: 13.00 min Scan# 1943

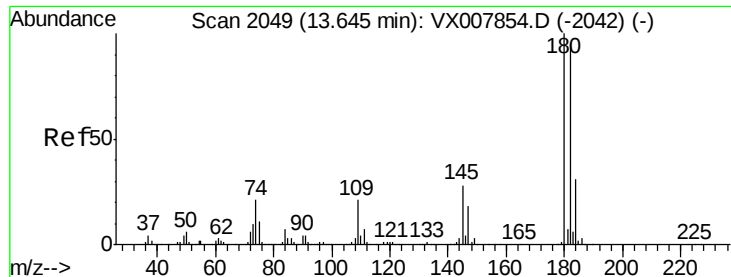
Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	75	Resp:	370
Ion	Ratio	Lower	Upper
75	100		
155	116.5	49.7	149.1
157	136.2	63.8	191.4





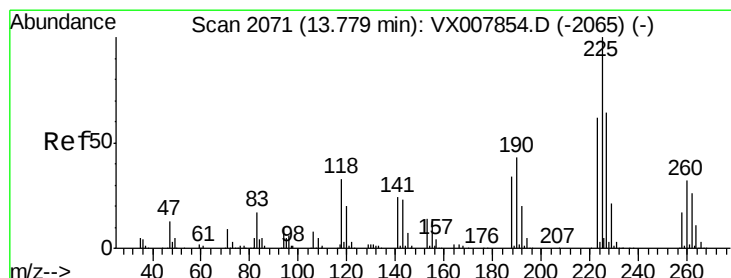
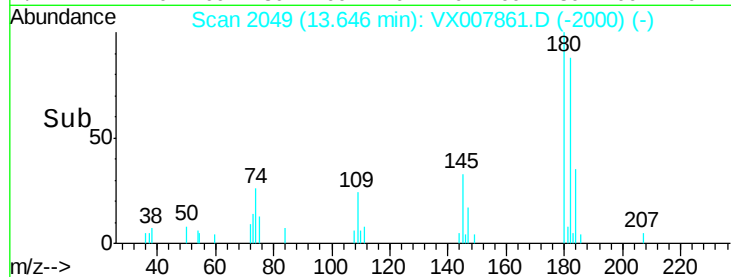
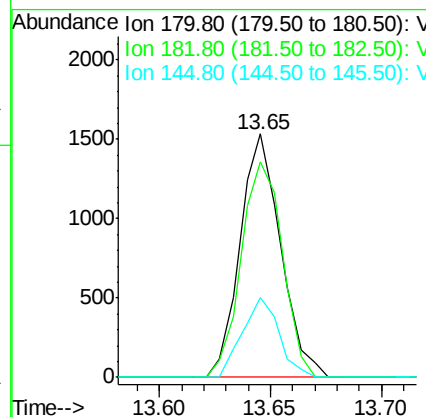
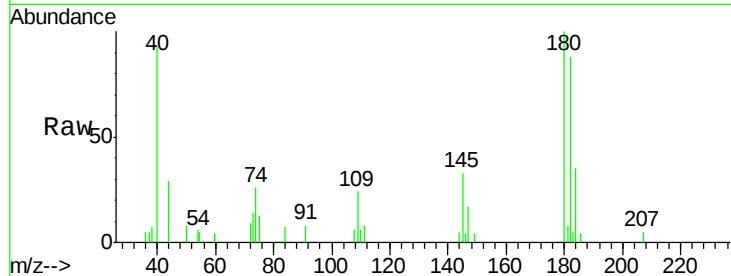
#93
 1,2,4-Trichlorobenzene
 Concen: 0.451 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.9	143.7
145	29.6	14.1	42.4

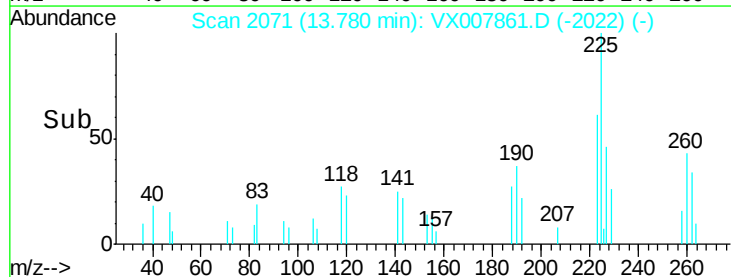
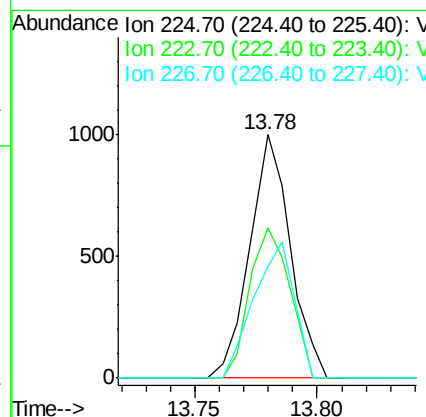
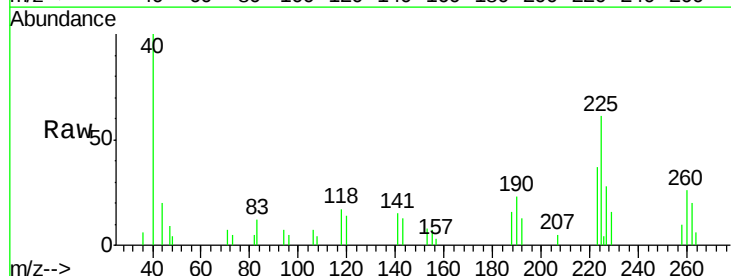
Manual Integrations
 APPROVED

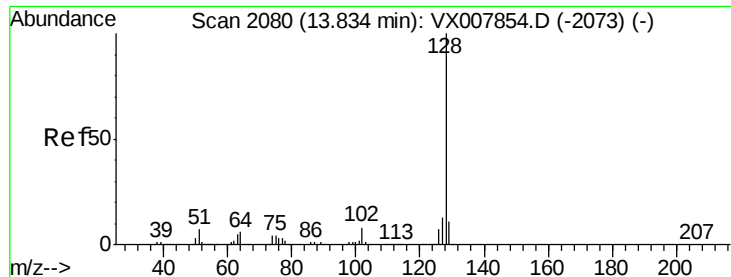
MMDadoda
 4/16/2019 11:08:50 AM



#94
 Hexachlorobutadiene
 Concen: 0.511 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007861.D
 Acq: 06 Mar 2019 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.2
227	55.4	32.0	96.0





#95

Naphthalene

Concen: 0.404 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Instrument :

MSVOA_X

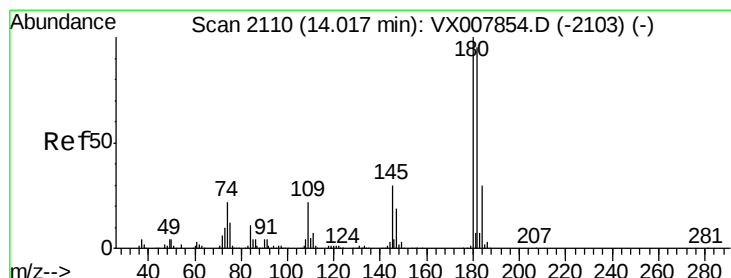
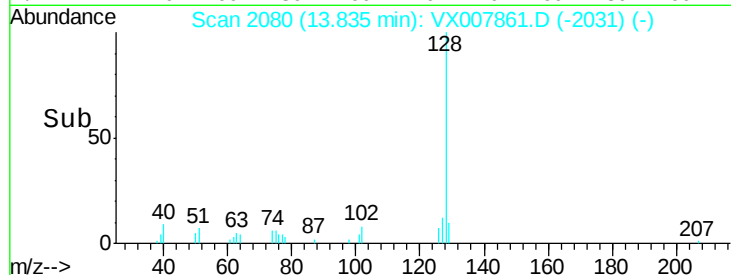
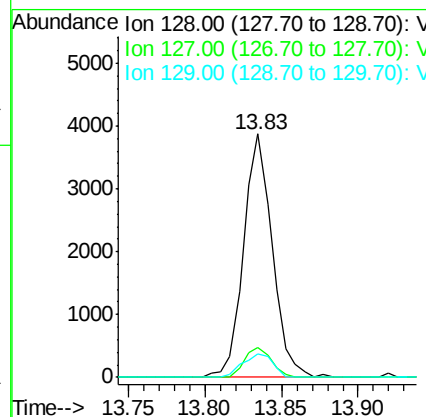
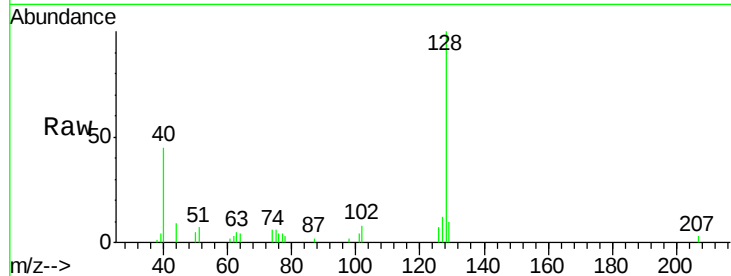
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	128	Resp:	5016
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.3	15.5
129	10.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/16/2019 11:08:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.456 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007861.D

Acq: 06 Mar 2019 15:40

Tgt Ion:	180	Resp:	1958
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.5
145	29.8	14.8	44.3

