

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007928.D
 Acq On : 08 Mar 2019 13:50
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 12:01:45 PM

Quant Time: Mar 09 05:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	44992	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	238419	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	213121	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	90193	30.50	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.67%
60) 4-Bromofluorobenzene	11.13	95	98324	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	8.71	98	289938	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	6406	2.398 ug/l	91
3) Chloromethane	1.33	50	8206	2.763 ug/l	98
4) Vinyl Chloride	1.41	62	7999	2.719 ug/l	99
5) Bromomethane	1.64	94	5010	3.416 ug/l	97
6) Chloroethane	1.73	64	5955m	3.466 ug/l	
7) Trichlorofluoromethane	1.93	101	10493	2.864 ug/l	100
8) Diethyl Ether	2.20	74	4469	2.369 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6486	2.355 ug/l	97
10) 1,1-Dichloroethene	2.38	96	6167	2.362 ug/l	93
11) Methyl Iodide	2.51	142	7809	1.911 ug/l	98
12) Methyl Acetate	2.78	43	12026	2.913 ug/l	100
13) Acrolein	2.30	56	6369	13.148 ug/l	99
14) Acrylonitrile	3.15	53	21833	12.456 ug/l	98
15) Acetone	2.45	58	6790	10.730 ug/l	97
16) Carbon Disulfide	2.57	76	19825	2.420 ug/l	99
17) Allyl chloride	2.73	41	12029	2.247 ug/l	92
18) Methylene Chloride	2.86	84	7678	2.581 ug/l	91
19) trans-1,2-Dichloroethene	3.17	96	6590	2.386 ug/l	96
20) Diisopropyl ether	3.87	45	23416	2.391 ug/l	90
21) 1,1-Dichloroethane	3.70	63	12945	2.431 ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	7790	2.445 ug/l #	83
23) tert-Butyl Alcohol	3.07	59	9584	13.554 ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	20939	2.333 ug/l	99
25) Chloroform	5.21	83	12148	2.417 ug/l	93
26) Cyclohexane	5.58	56	10794	2.193 ug/l #	92
29) 1,1-Dichloropropene	5.80	75	9237	2.443 ug/l	94
30) 2-Butanone	4.70	43	29759	11.672 ug/l #	94
31) 2,2-Dichloropropane	4.59	77	7764	2.224 ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	9486	2.321 ug/l	97
33) Carbon Tetrachloride	5.79	117	7976	2.200 ug/l	94
34) Benzene	6.14	78	28134	2.428 ug/l	99
35) Methacrylonitrile	5.06	41	6382	2.569 ug/l	89
36) 1,2-Dichloroethane	6.20	62	9784	2.596 ug/l #	87
37) Trichloroethene	7.21	130	7662	2.441 ug/l	91
38) Methylcyclohexane	7.46	83	10536	2.192 ug/l	92
39) 1,2-Dichloropropane	7.52	63	7372	2.440 ug/l	95
40) Dibromomethane	7.66	93	4803	2.506 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	8288	2.288	ug/l	96
42) Vinyl Acetate	3.82	43	93242	11.297	ug/l	96
43) Ethyl Acetate	4.85	43	11398	2.566	ug/l #	83
44) Isopropyl Acetate	6.46	43	15710	2.318	ug/l	100
45) 1,4-Dioxane	7.75	88	3443	48.564	ug/l #	81
46) Methyl methacrylate	7.77	41	8110	2.276	ug/l	94
47) n-amyl Acetate	10.90	43	12250	2.098	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	7597	1.936	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	8912	2.006	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	7223	2.473	ug/l	96
51) Ethyl methacrylate	9.18	69	9747	2.200	ug/l	92
52) 1,3-Dichloropropane	9.37	76	11840	2.453	ug/l	99
53) Dibromochloromethane	9.59	129	6407	2.132	ug/l	97
54) 1,2-Dibromoethane	9.67	107	7088	2.321	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	25327	12.292	ug/l	98
56) Bromoform	10.85	173	4887	2.039	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	50342	11.473	ug/l	99
59) 2-Hexanone	9.49	43	36582	10.562	ug/l	99
61) Tetrachloroethene	9.34	164	7844	2.523	ug/l	95
62) Toluene	8.78	91	30283	2.433	ug/l	99
64) Chlorobenzene	10.13	112	19353	2.440	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	6379	2.246	ug/l	97
66) Ethyl Benzene	10.25	91	30331	2.269	ug/l	97
67) m/p-Xylenes	10.36	106	22588	4.407	ug/l	96
68) o-Xylene	10.70	106	11087	2.228	ug/l	98
69) Styrene	10.71	104	17516	2.136	ug/l	100
70) Isopropylbenzene	11.02	105	29317	2.204	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	10741	2.445	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	9824m	2.373	ug/l	
73) Bromobenzene	11.26	156	8319	2.353	ug/l	93
74) n-propylbenzene	11.36	91	32186	2.145	ug/l	98
75) 2-Chlorotoluene	11.42	91	20684	2.300	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	23661	2.147	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	2221	1.736	ug/l	92
78) 4-Chlorotoluene	11.51	91	22512	2.214	ug/l	96
79) tert-butylbenzene	12.06	119	24517	2.073	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	23784	2.126	ug/l	98
81) sec-Butylbenzene	11.94	105	28386	2.143	ug/l	99
82) p-Isopropyltoluene	12.06	119	24517	2.073	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	14205	2.257	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	14102	2.239	ug/l	98
85) n-Butylbenzene	12.38	91	19400	1.918	ug/l	98
86) Hexachloroethane	12.60	117	3764	1.953	ug/l	84
87) 1,2-Dichlorobenzene	12.39	146	14373	2.310	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	1877	2.092	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	8646	1.934	ug/l	95
90) Hexachlorobutadiene	13.78	225	5279	2.141	ug/l	97
91) Naphthalene	13.83	128	24548	1.915	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	9019	2.029	ug/l	97

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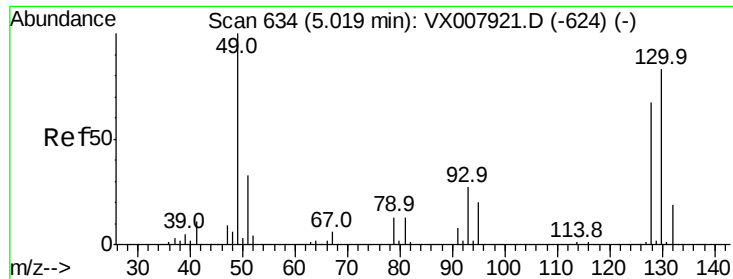
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



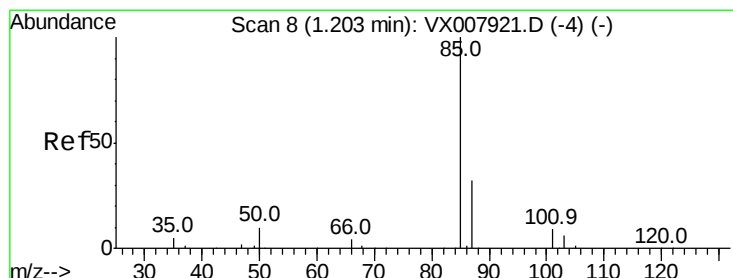
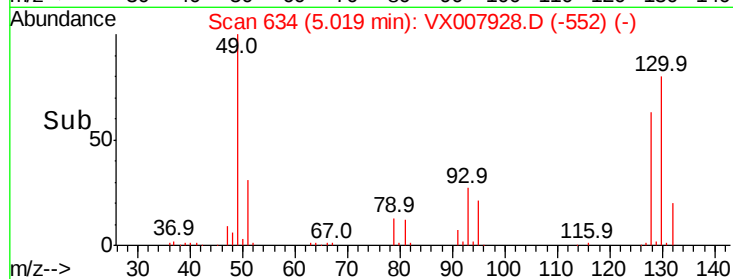
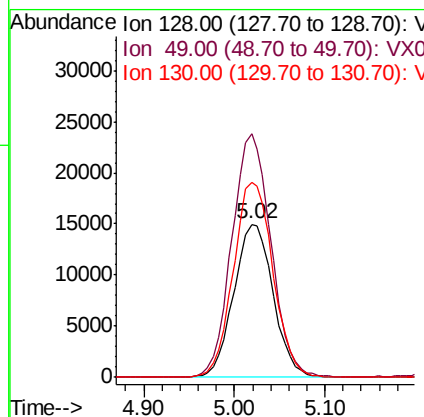
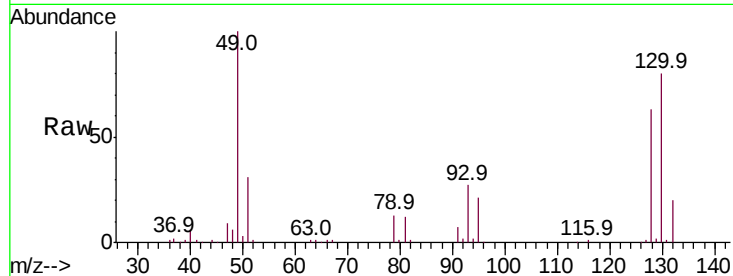
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion:128 Resp: 44992
 Ion Ratio Lower Upper
 128 100
 49 157.7 0.0 350.8
 130 128.5 0.0 325.8

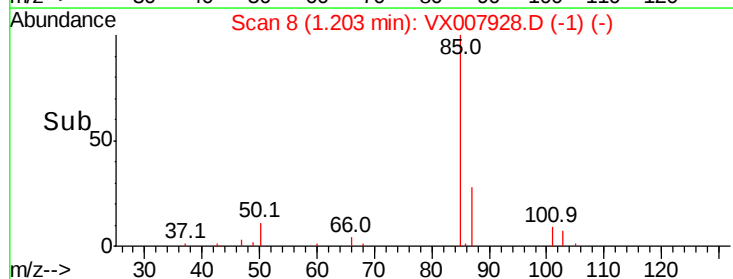
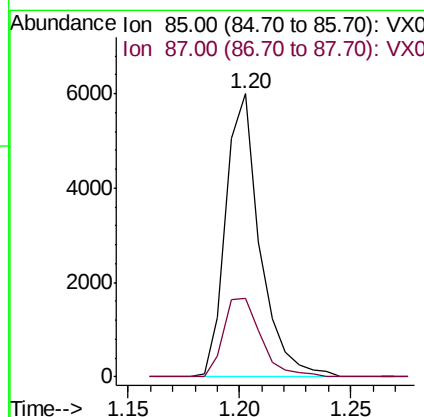
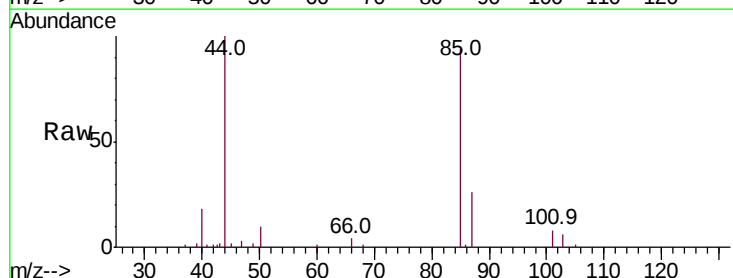
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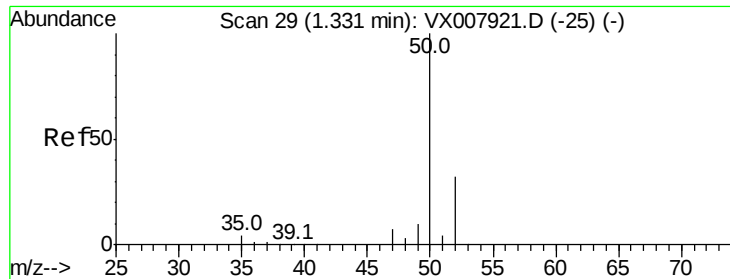
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#2
 Dichlorodifluoromethane
 Concen: 2.398 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion: 85 Resp: 6406
 Ion Ratio Lower Upper
 85 100
 87 27.9 16.6 49.8





#3

Chloromethane

Concen: 2.763 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 50 Resp: 8206

Ion Ratio Lower Upper

50 100

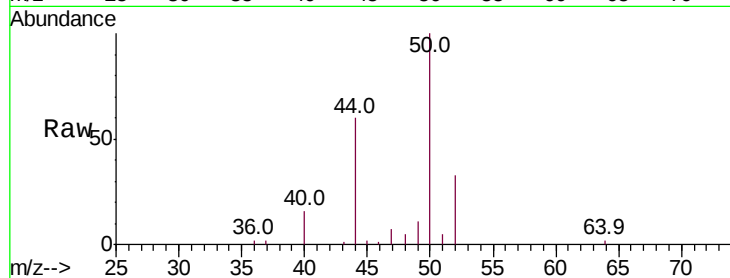
52 33.1 27.5 41.3

Manual Integrations

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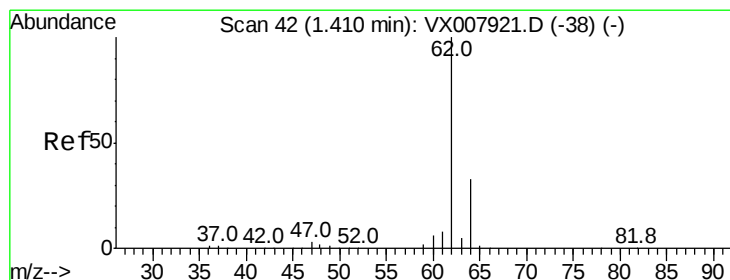
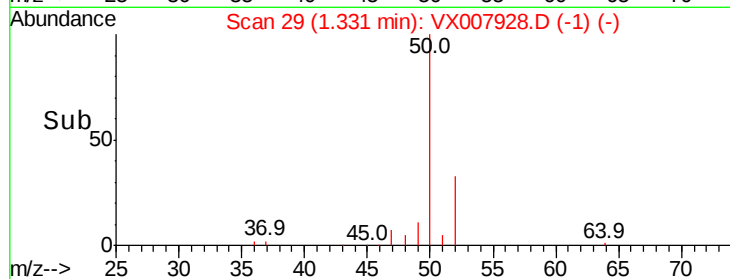
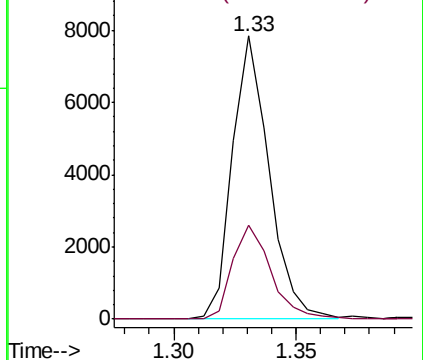
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 2.719 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007928.D

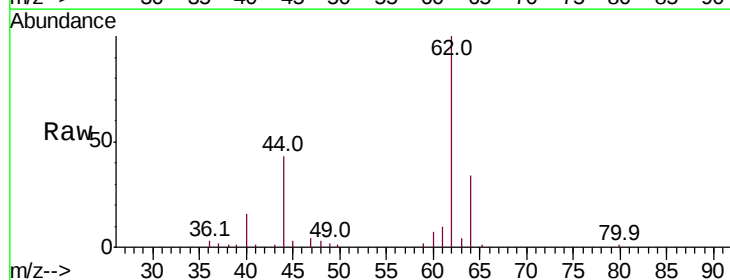
Acq: 08 Mar 2019 13:50

Tgt Ion: 62 Resp: 7999

Ion Ratio Lower Upper

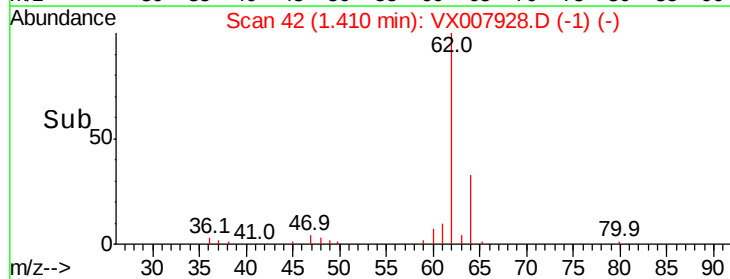
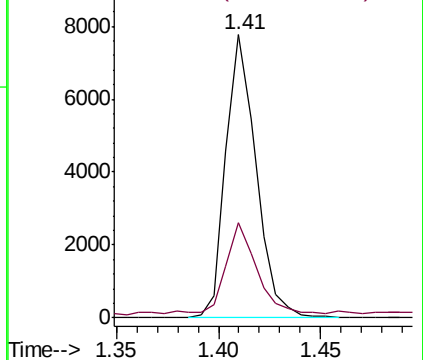
62 100

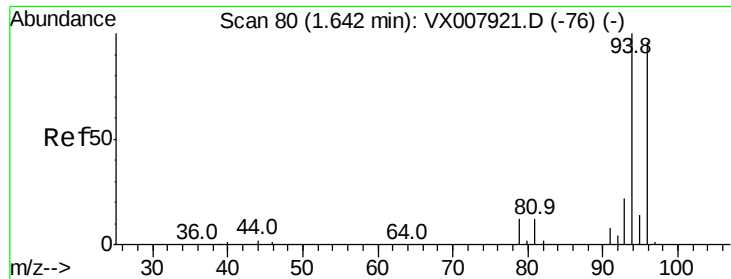
64 31.9 25.9 38.9



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 3.416 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 94 Resp: 5010

Ion Ratio Lower Upper

94 100

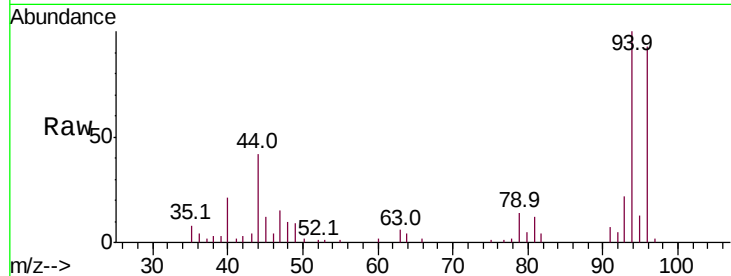
96 91.5 75.6 113.4

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

5000

4000

3000

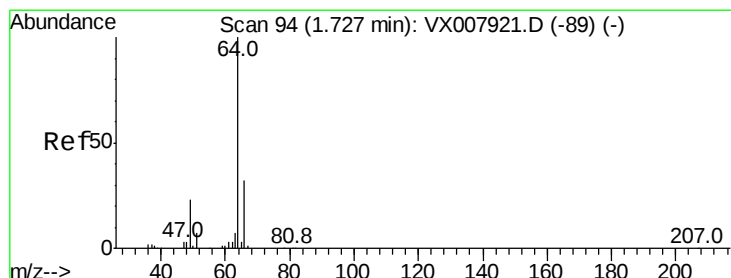
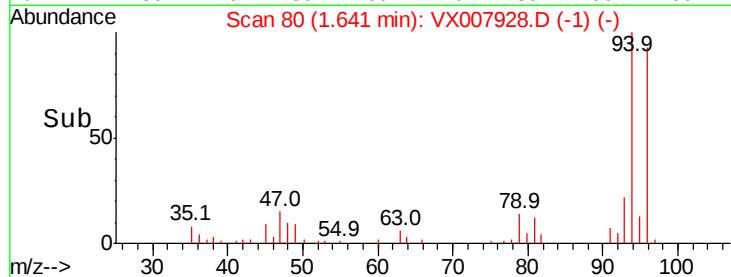
2000

1000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 3.466 ug/l m

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX007928.D

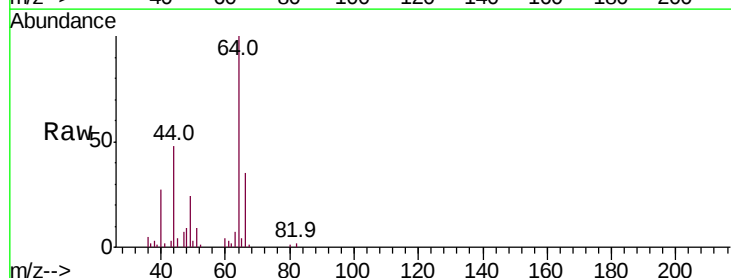
Acq: 08 Mar 2019 13:50

Tgt Ion: 64 Resp: 5955

Ion Ratio Lower Upper

64 100

66 34.8 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.73

4000

3000

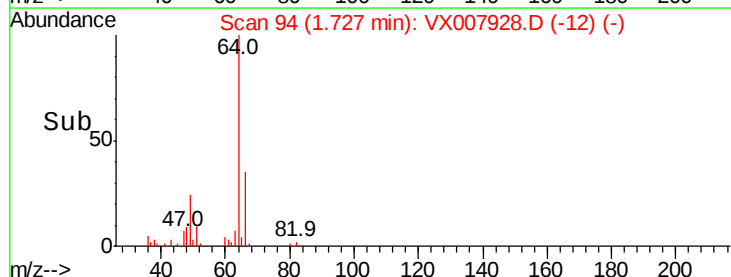
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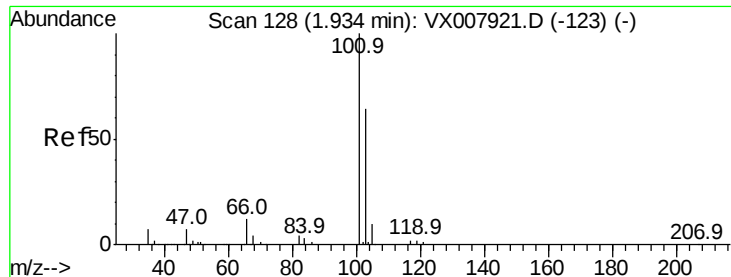
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1.68 1.70 1.72 1.74 1.76





#7

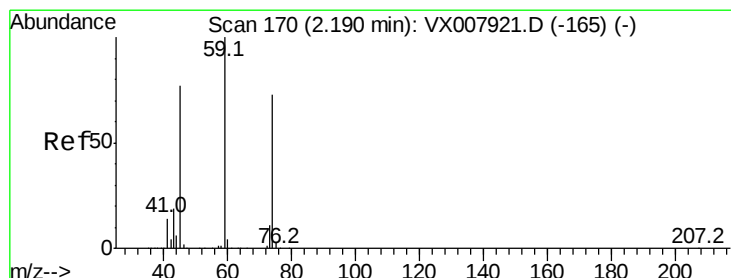
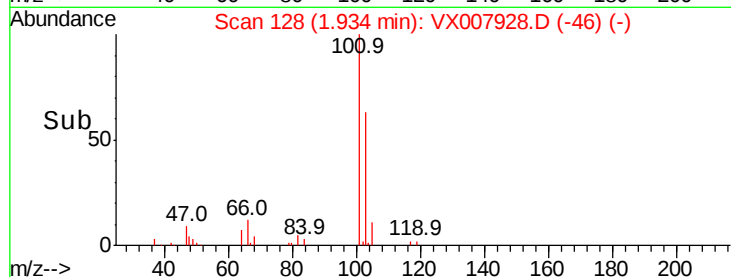
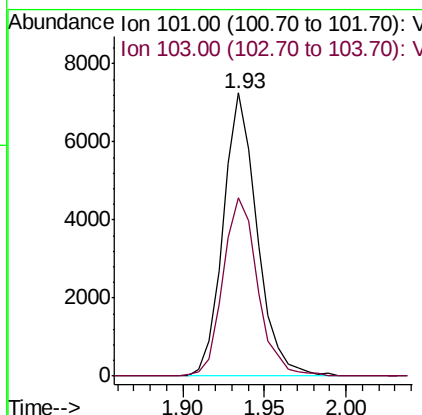
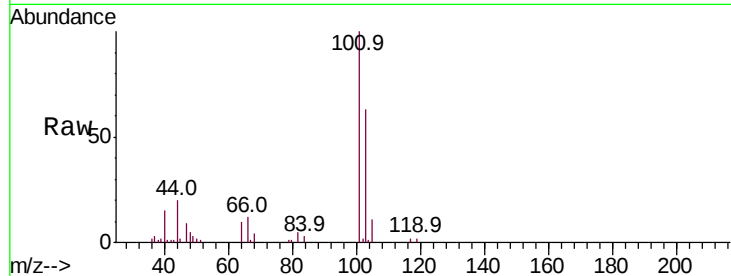
Trichlorofluoromethane
Concen: 2.864 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
101	100	10493		
103	63.3		50.4	75.6

Manual Integrations
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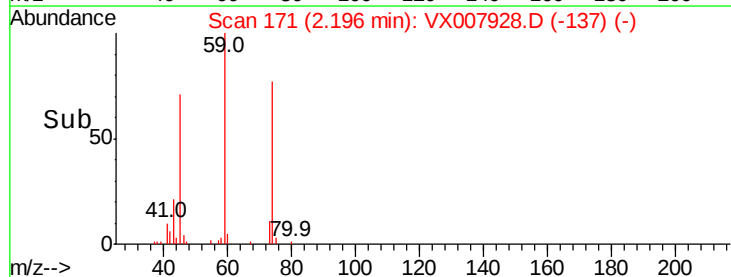
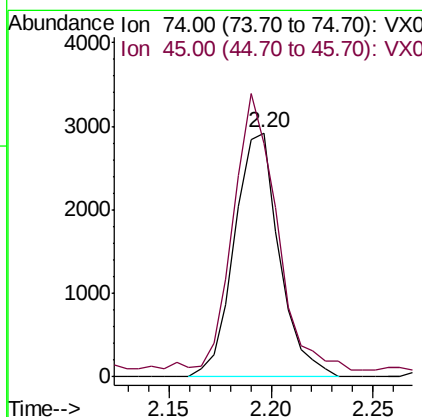
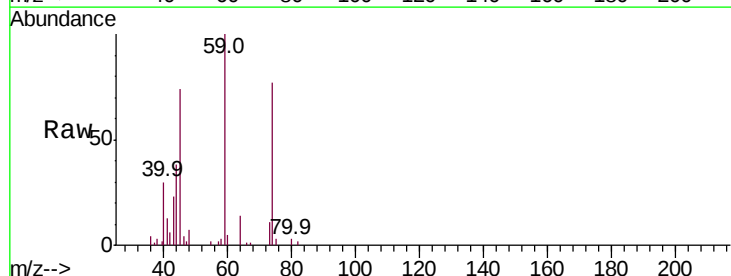
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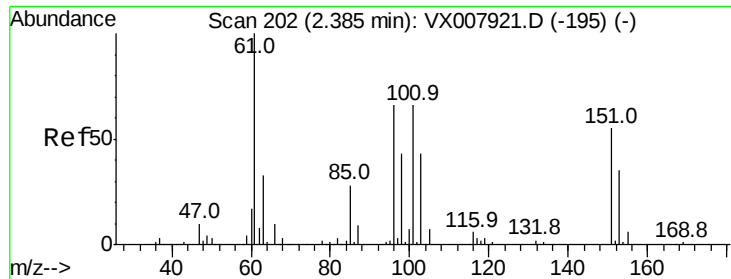


#8

Diethyl Ether
Concen: 2.369 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	4469		
45	108.2		18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.355 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

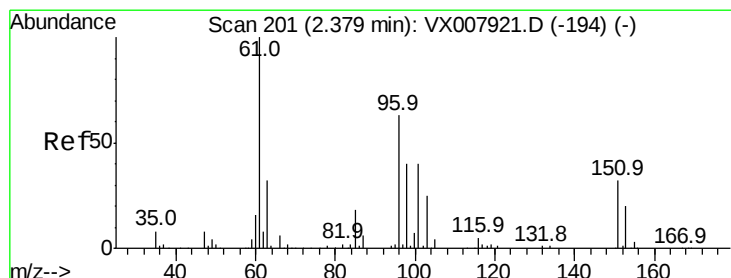
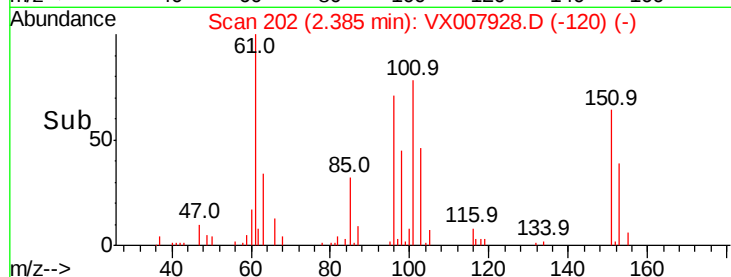
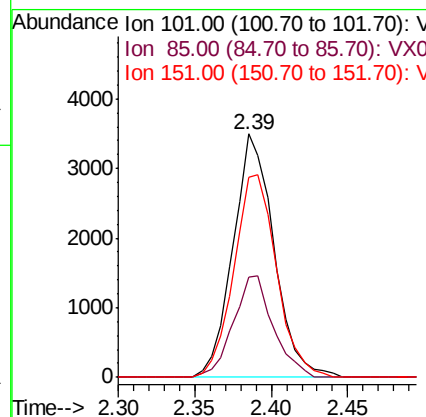
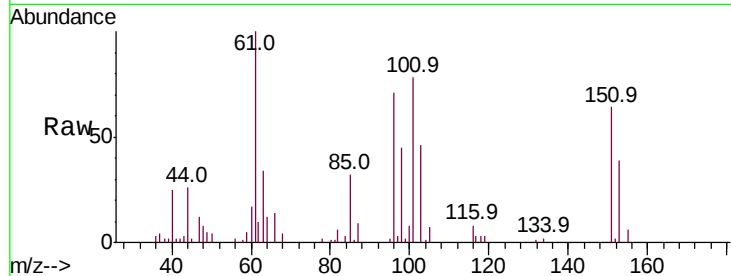
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	101	Resp:	6486
Ion Ratio	Lower	Upper	
101	100		
85	40.6	0.0	86.8
151	86.6	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 2.362 ug/l

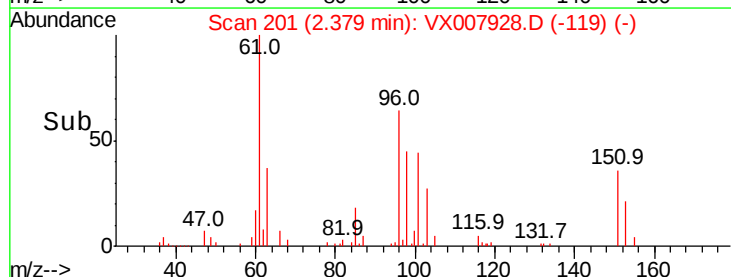
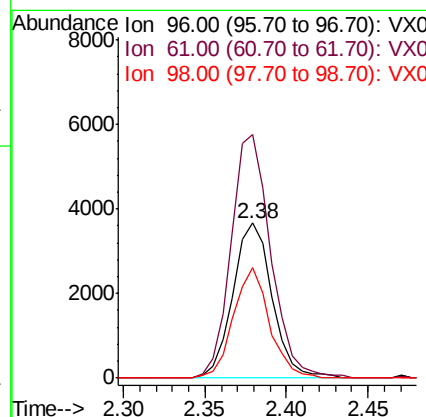
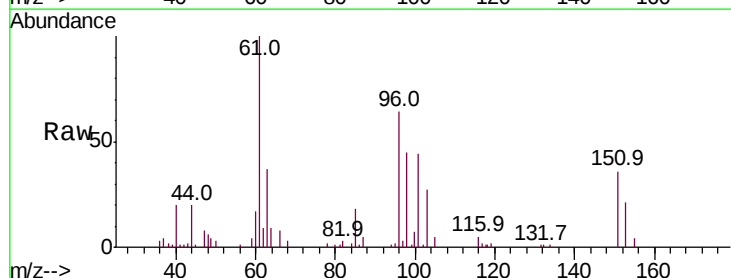
RT: 2.38 min Scan# 201

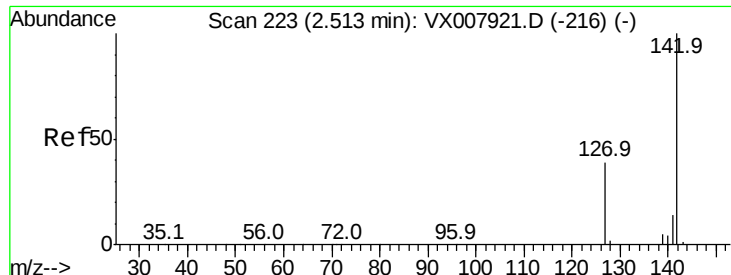
Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	96	Resp:	6167
Ion Ratio	Lower	Upper	
96	100		
61	156.9	120.2	180.2
98	70.9	49.0	73.4





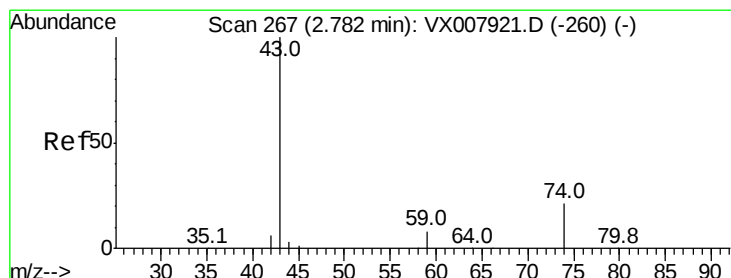
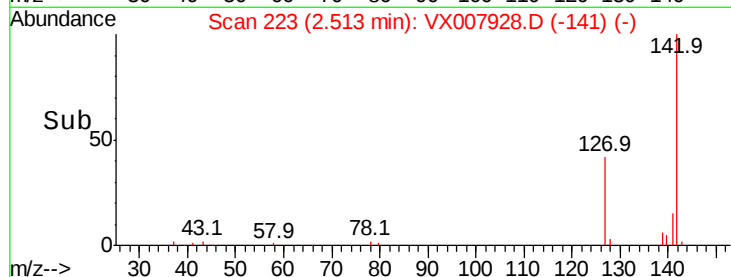
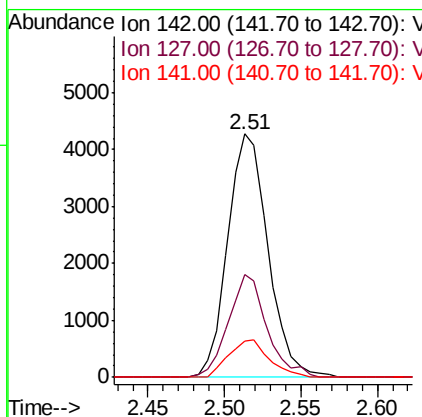
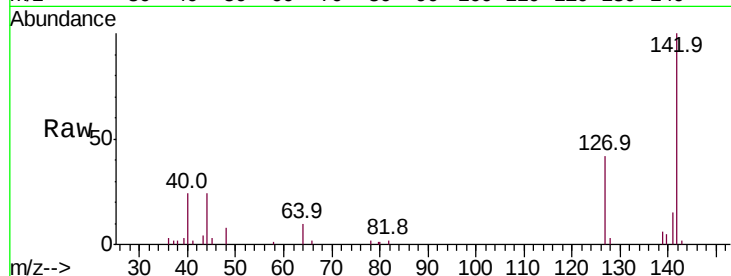
#11
Methvl Iodide
Concen: 1.911 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.2	22.1	66.5
141	14.9	7.4	22.3

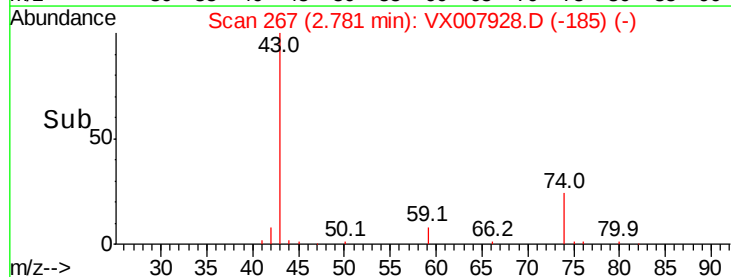
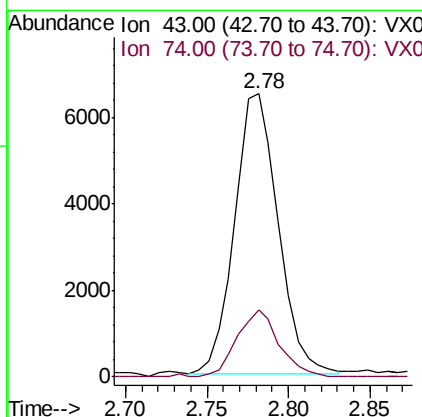
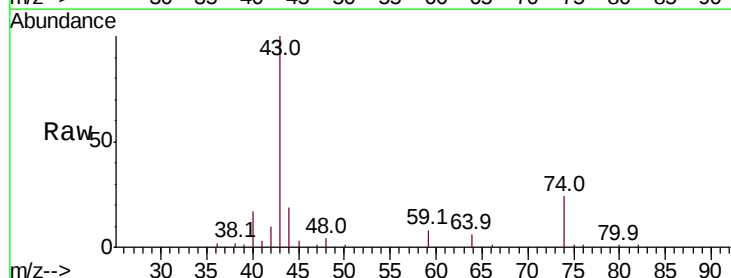
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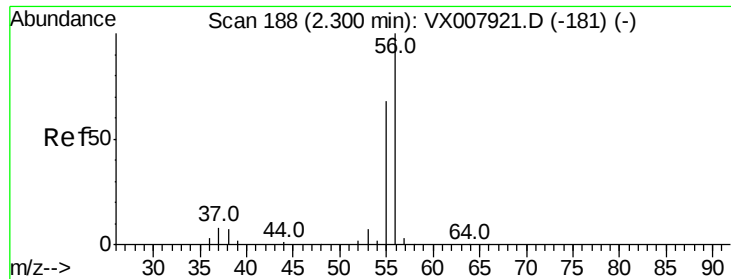
MMDadoda
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#12
Methyl Acetate
Concen: 2.913 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.0





#13

Acrolein

Concen: 13.148 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 56 Resp: 6369

Ion Ratio Lower Upper

56 100

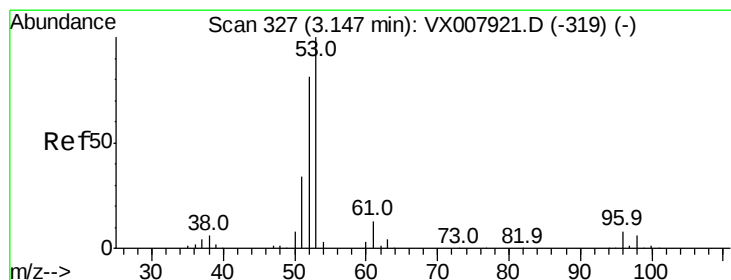
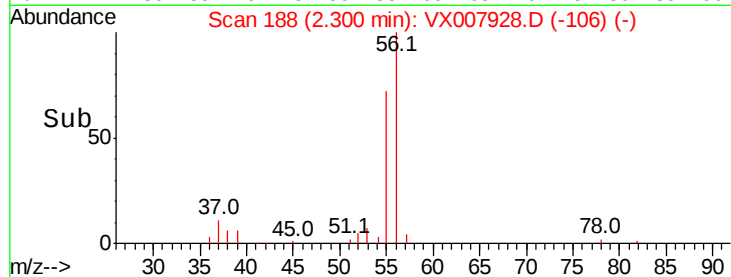
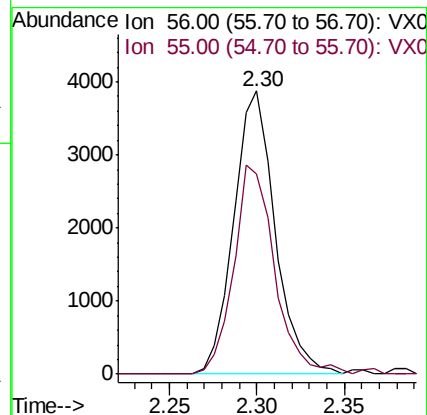
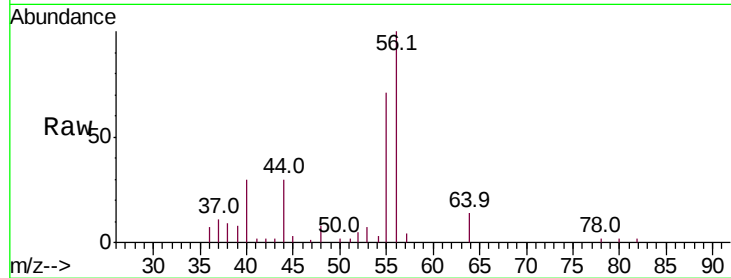
55 72.1 58.6 87.8

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#14

Acrylonitrile

Concen: 12.456 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

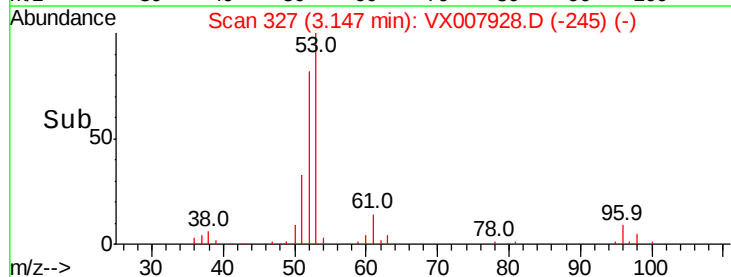
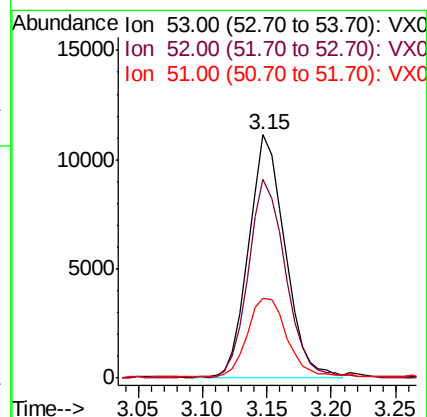
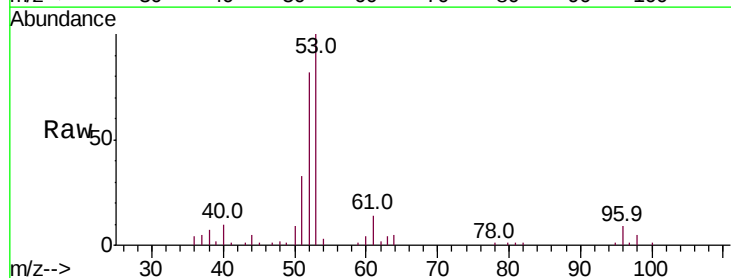
Tgt Ion: 53 Resp: 21833

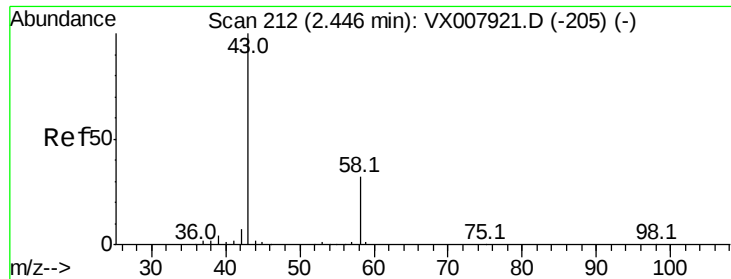
Ion Ratio Lower Upper

53 100

52 84.0 41.3 124.1

51 36.6 17.5 52.6





#15

Acetone

Concen: 10.730 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 58 Resp: 6790

Ion Ratio Lower Upper

58 100

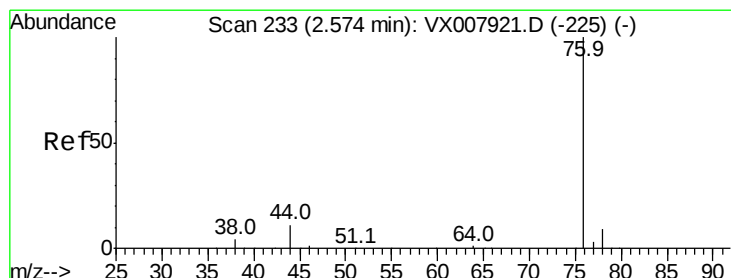
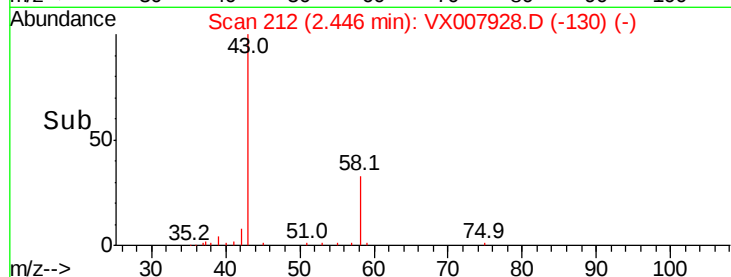
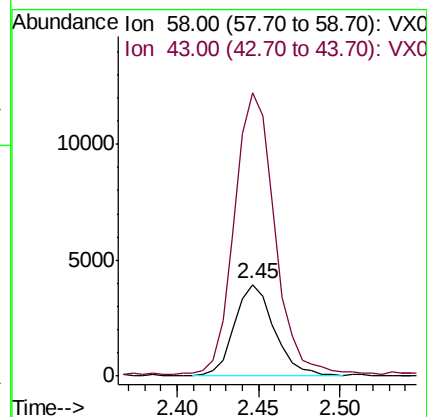
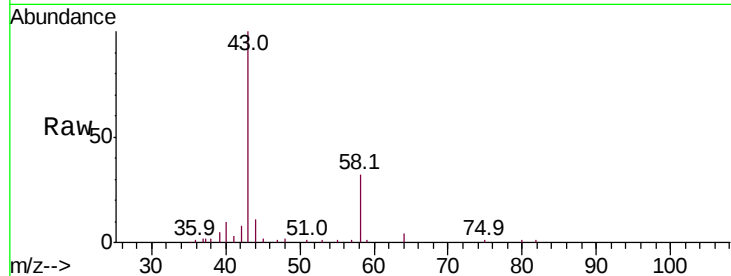
43 305.3 249.8 374.6

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#16

Carbon Disulfide

Concen: 2.420 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007928.D

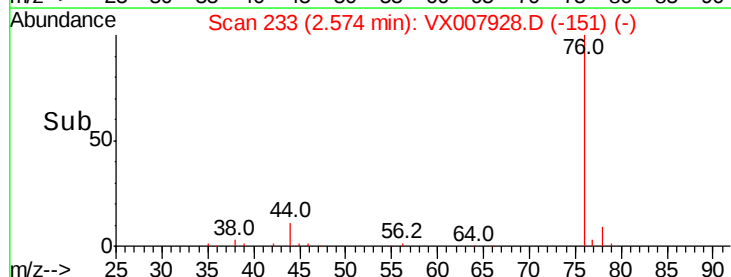
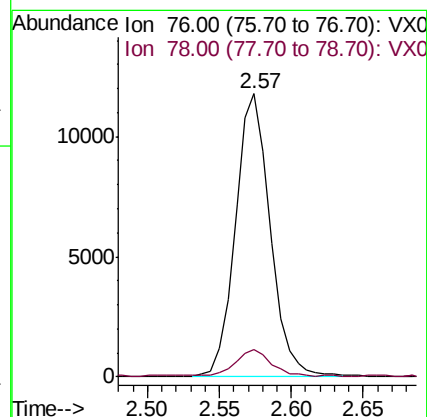
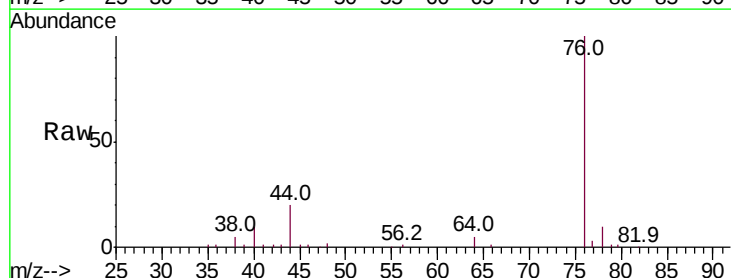
Acq: 08 Mar 2019 13:50

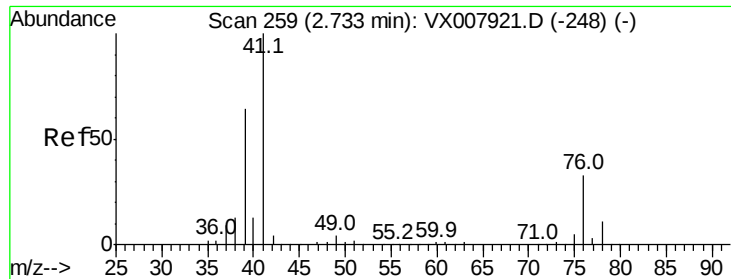
Tgt Ion: 76 Resp: 19825

Ion Ratio Lower Upper

76 100

78 9.8 7.5 11.3





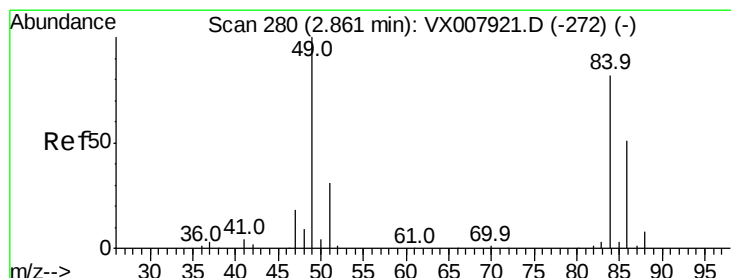
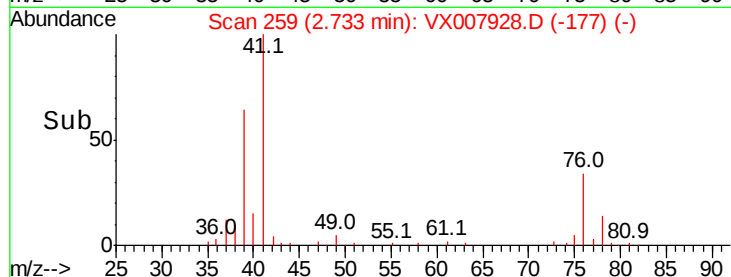
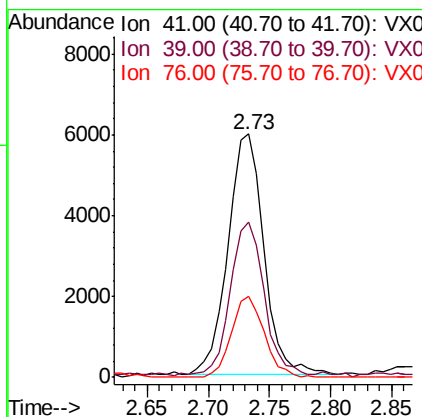
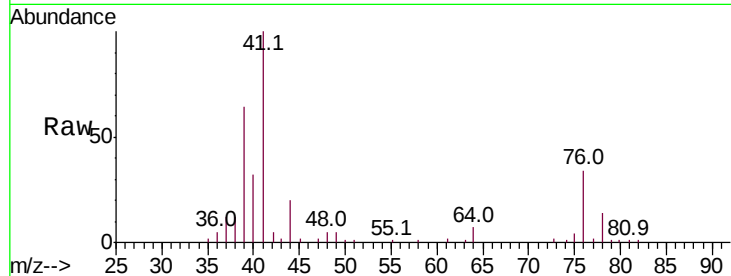
#17
Allvl chloride
Concen: 2.247 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.5	35.8	107.4
76	34.0	18.3	54.9

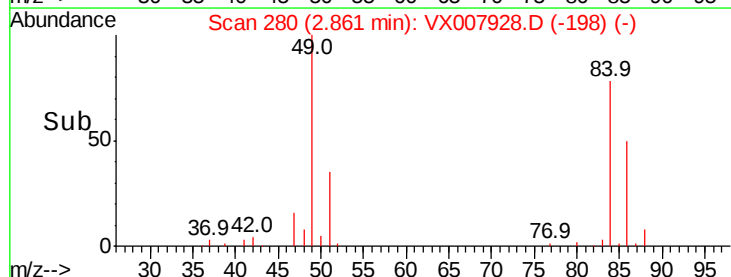
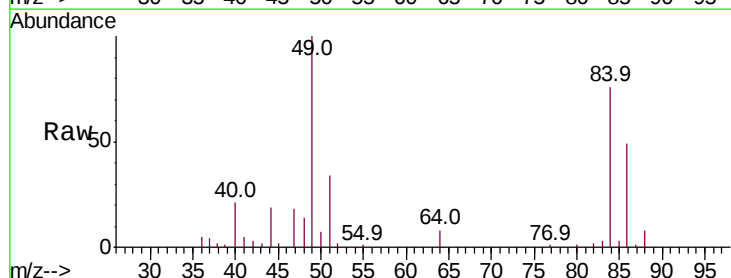
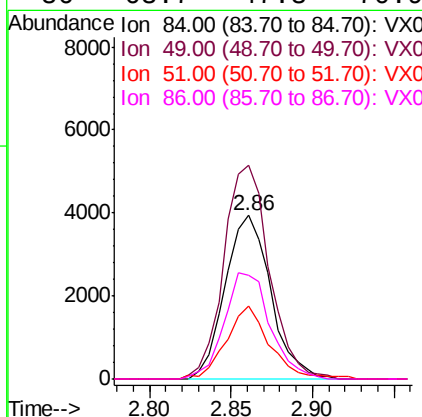
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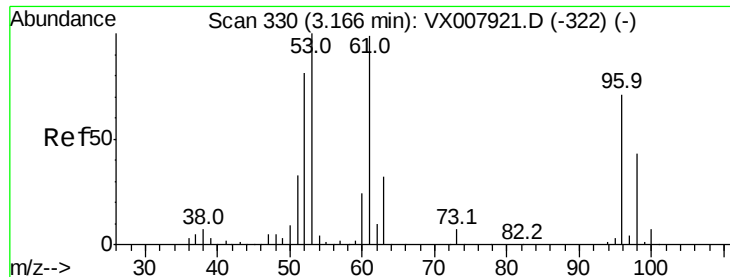
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#18
Methylene Chloride
Concen: 2.581 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.8	96.1	144.1
51	43.2	29.1	43.7
86	63.7	47.3	70.9





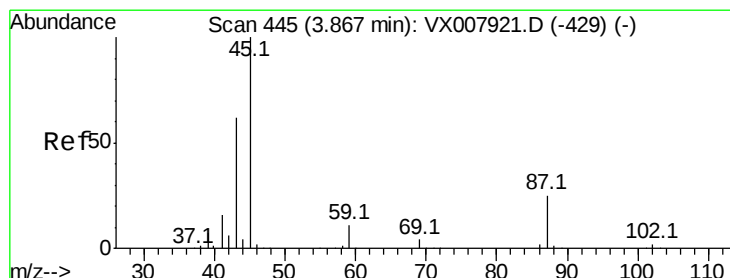
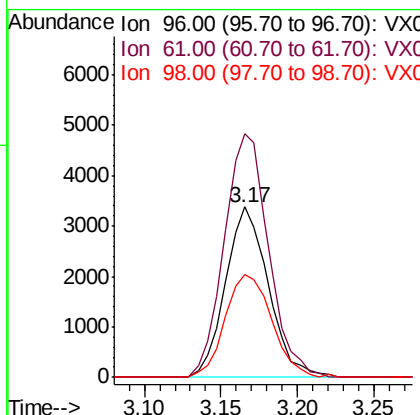
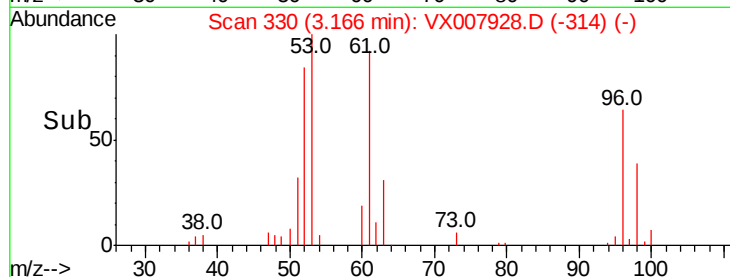
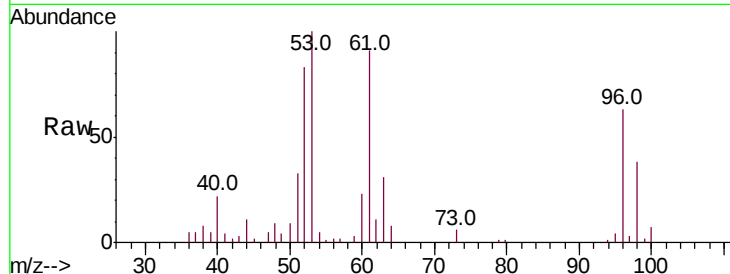
#19
trans-1,2-Dichloroethene
Concen: 2.386 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	109.9	164.9
98	60.3	50.4	75.6

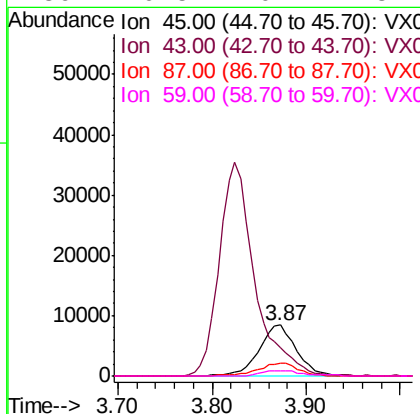
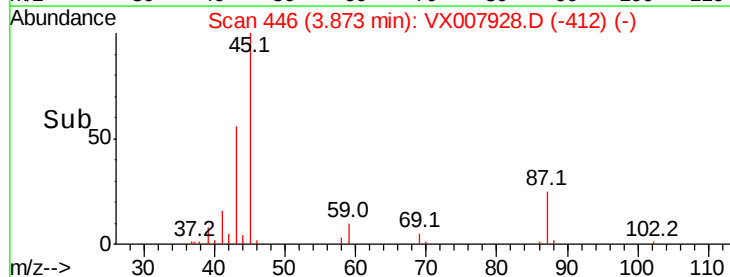
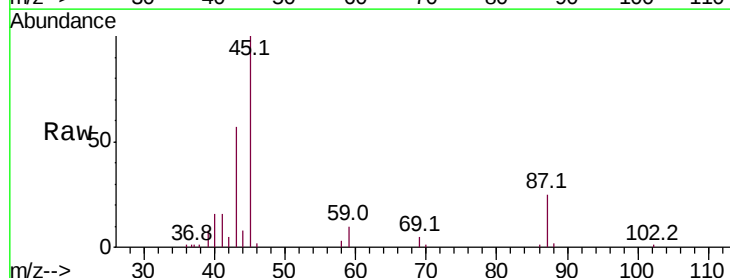
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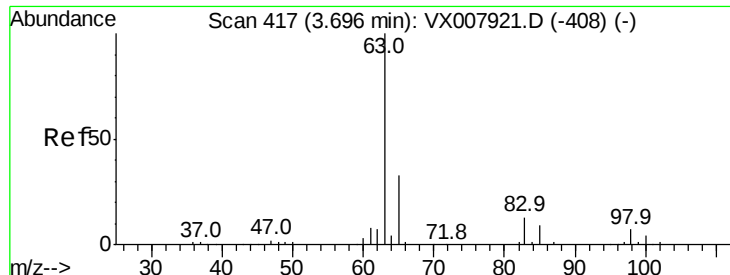
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#20
Diisopropyl ether
Concen: 2.391 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.5	50.6	76.0
87	25.3	24.5	36.7
59	10.5	10.2	15.2





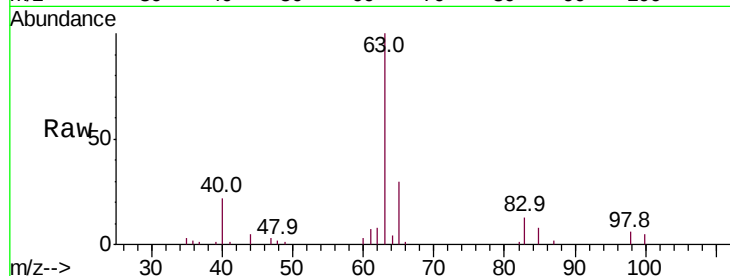
#21
 1,1-Dichloroethane
 Concen: 2.431 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

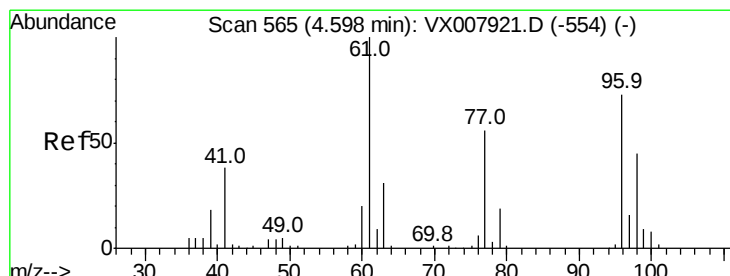
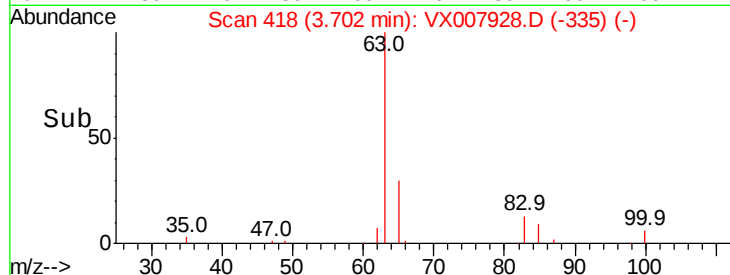
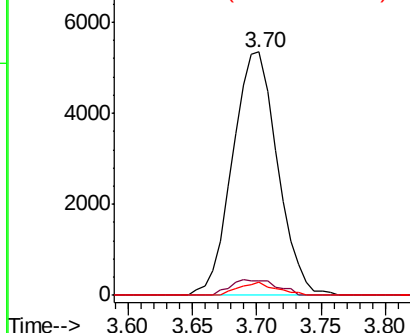
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	3.8	11.4	
100	5.4	2.4	7.1	

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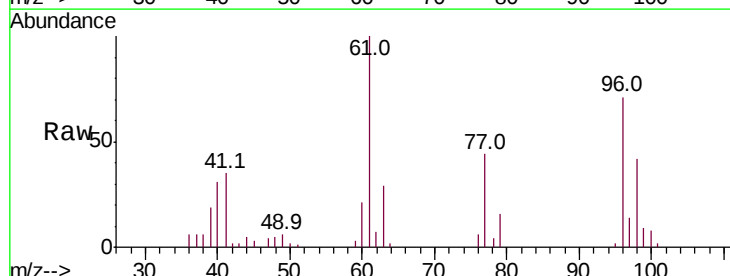


Abundance Ion 63.00 (62.70 to 63.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

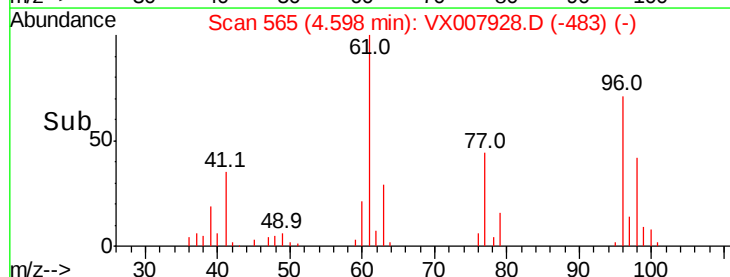
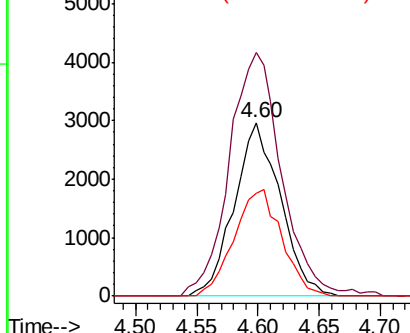


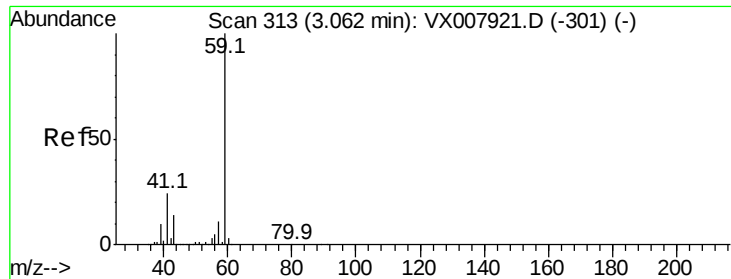
#22
 cis-1,2-Dichloroethene
 Concen: 2.445 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.9	103.5	155.3#	
98	63.0	52.1	78.1	



Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#23

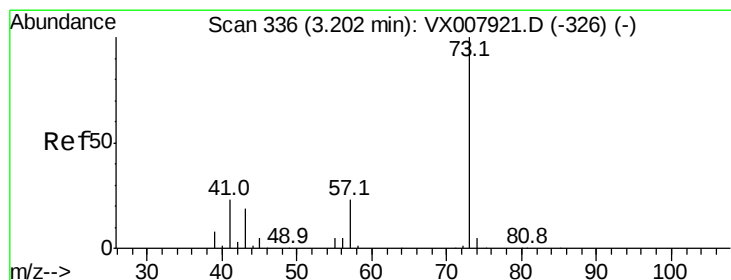
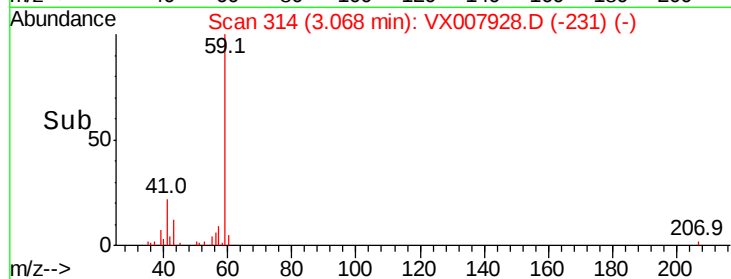
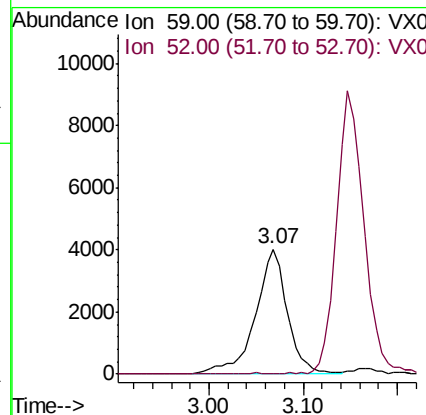
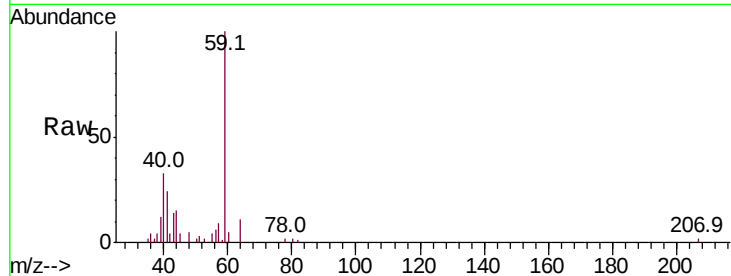
tert-Butyl Alcohol
Concen: 13.554 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion: 59 Resp: 9584
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.2

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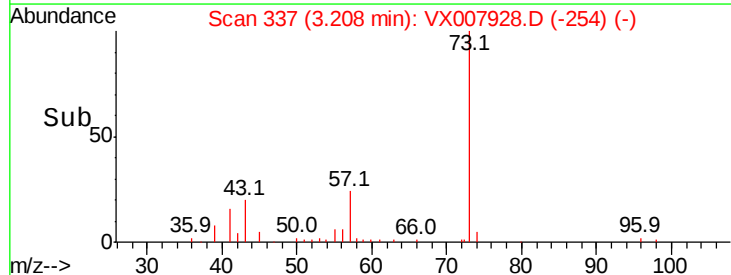
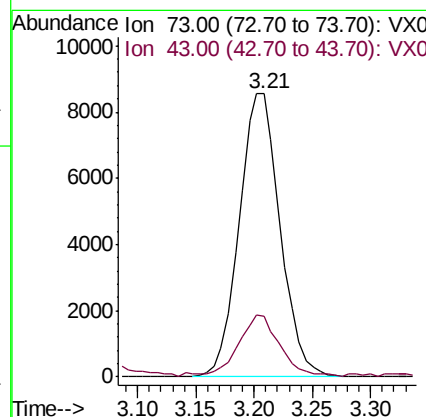
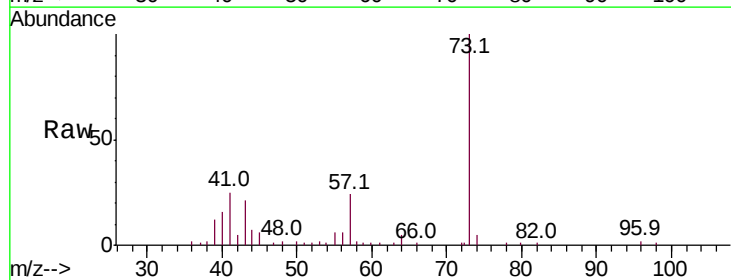
MMDadoda
3/11/2019 12:01:45 PM

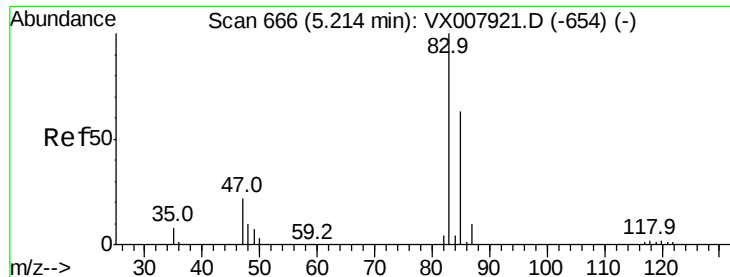


#24

Methyl tert-Butyl Ether
Concen: 2.333 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion: 73 Resp: 20939
Ion Ratio Lower Upper
73 100
43 21.8 17.1 25.7





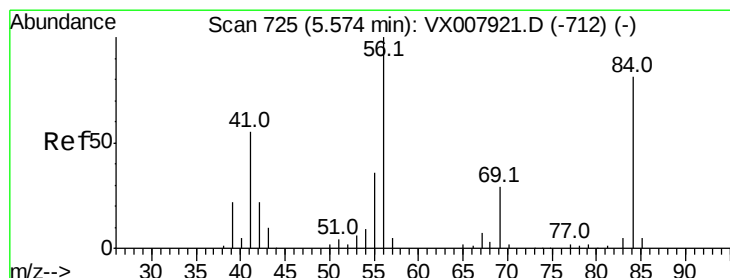
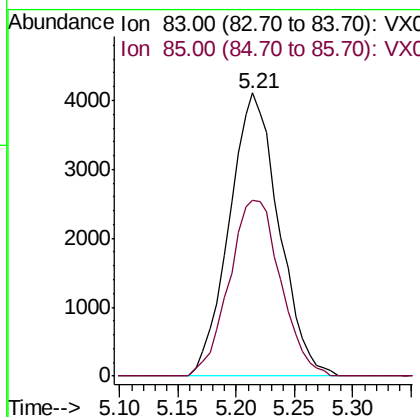
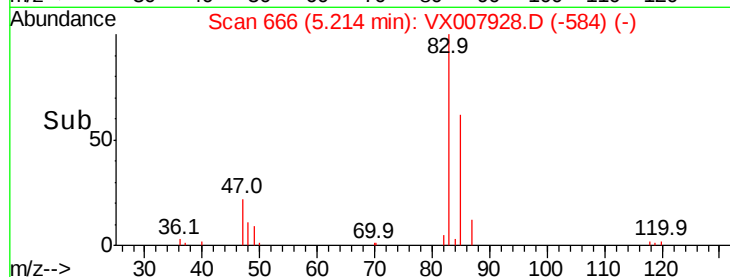
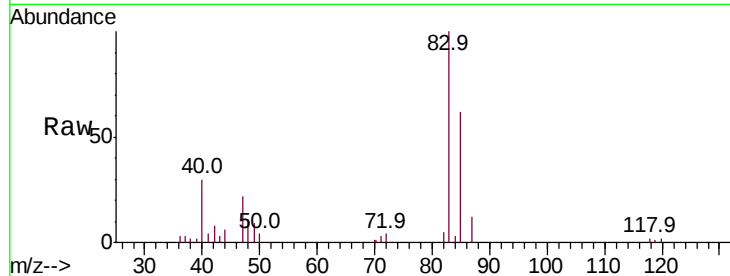
#25
Chloroform
Concen: 2.417 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion: 83 Resp: 12148
Ion Ratio Lower Upper
83 100
85 62.0 53.8 80.6

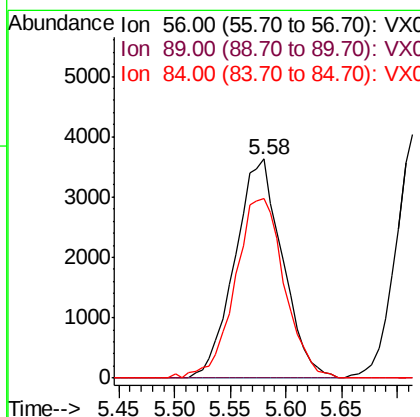
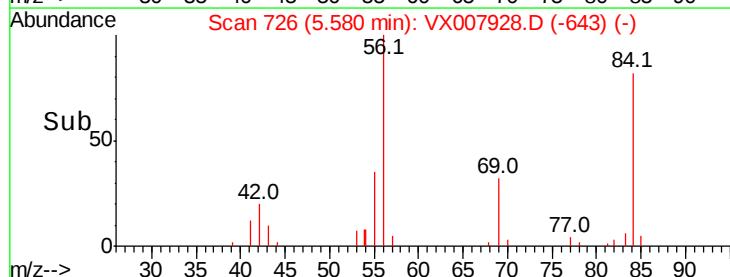
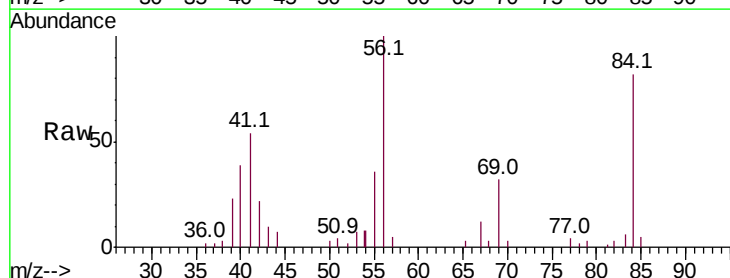
Manual Integrations
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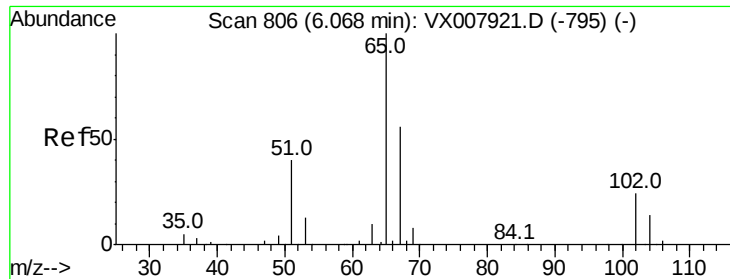
MMDadoda
3/11/2019 12:01:45 PM



#26
Cyclohexane
Concen: 2.193 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion: 56 Resp: 10794
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 84.8 73.9 110.9





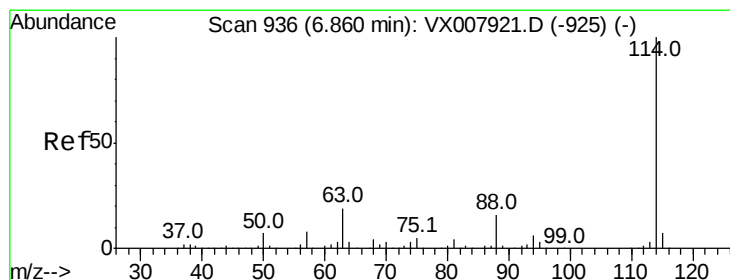
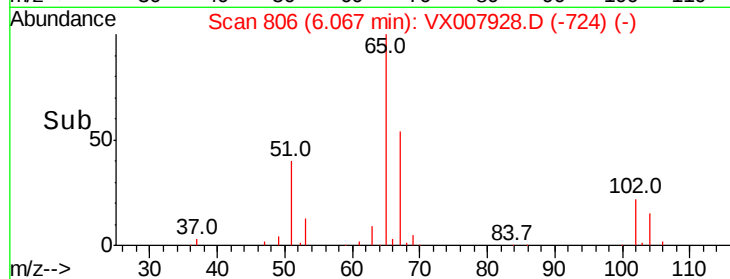
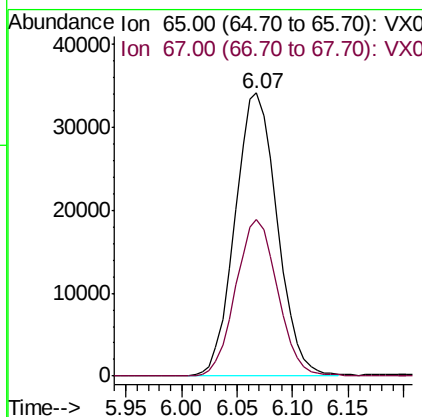
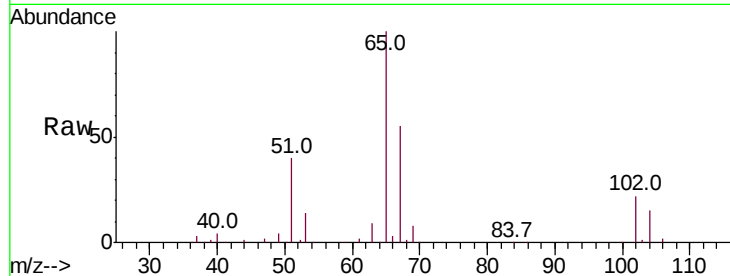
#27
 1,2-Dichloroethane-d4
 Concen: 30.499 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	42.9	64.3

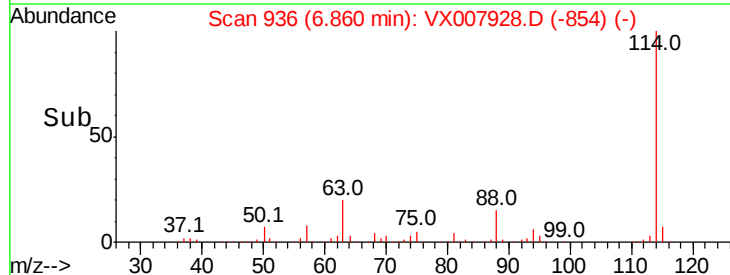
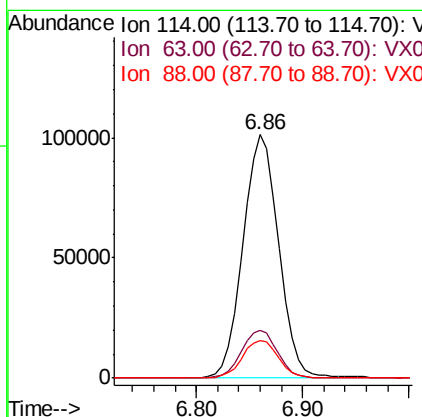
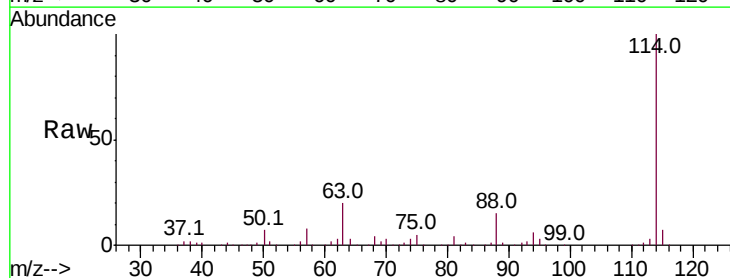
Manual Integrations
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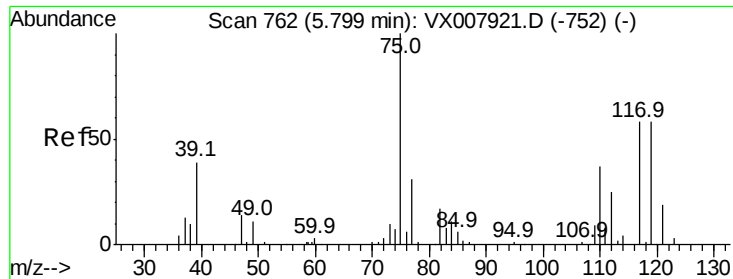
MMDadoda
 3/11/2019 12:01:45 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	14.2	21.4
88	15.9	11.9	17.9





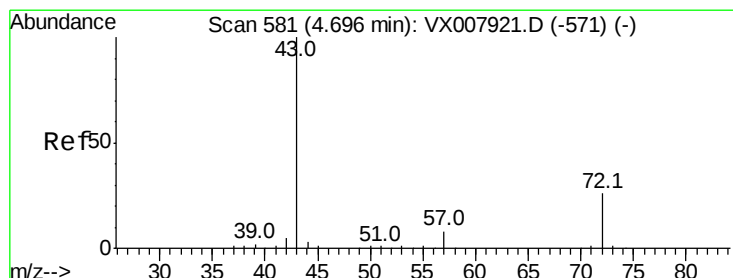
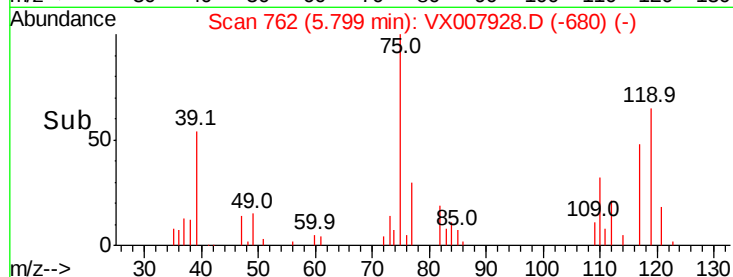
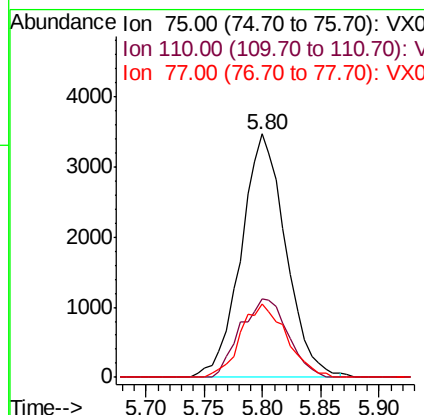
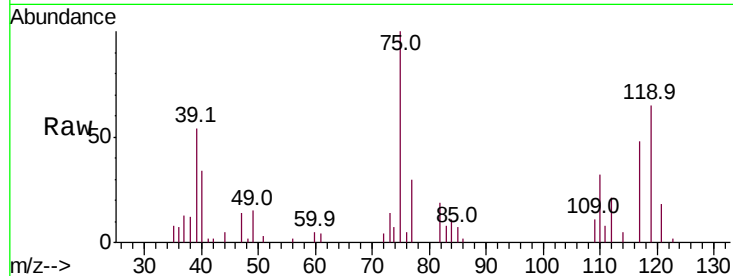
#29
 1,1-Dichloropropene
 Concen: 2.443 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.3	0.0	80.8
77	31.1	0.0	62.4

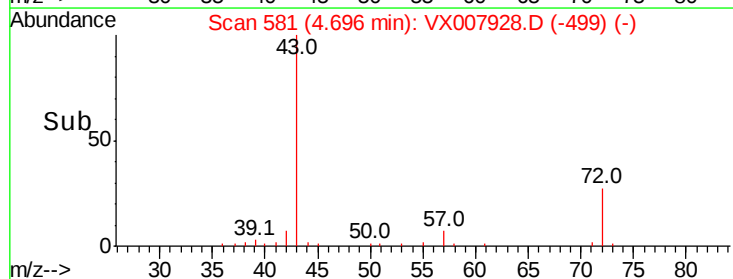
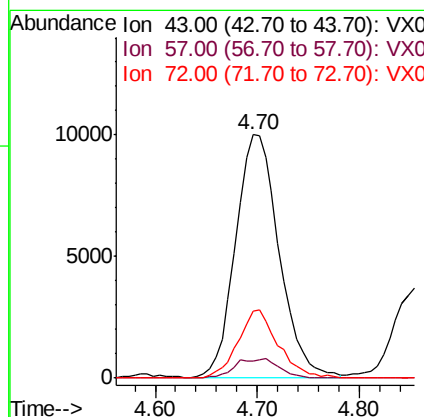
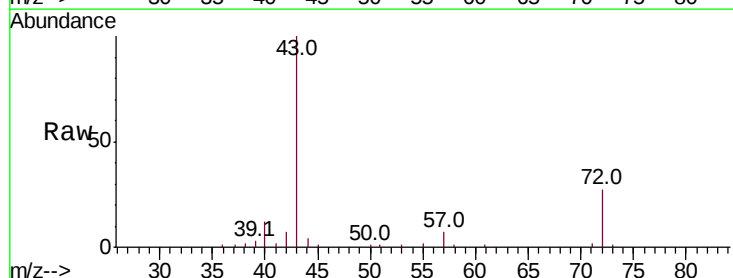
Manual Integrations
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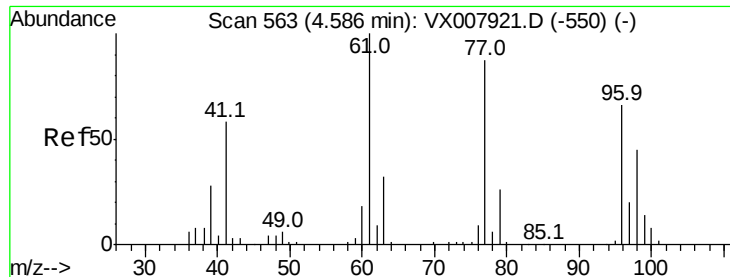
MMDadoda
 3/11/2019 12:01:45 PM



#30
 2-Butanone
 Concen: 11.672 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.8	7.0	10.6#
72	25.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 2.224 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 77 Resp: 7764

Ion Ratio Lower Upper

77 100

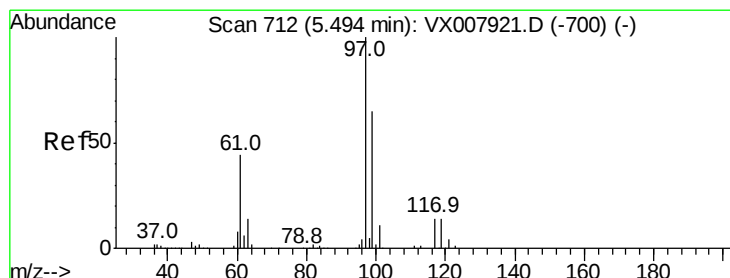
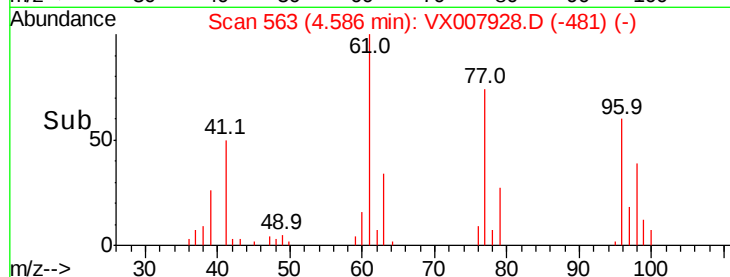
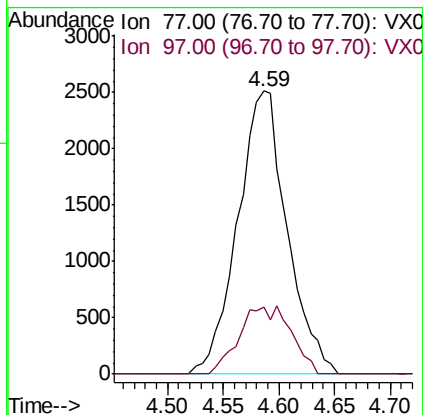
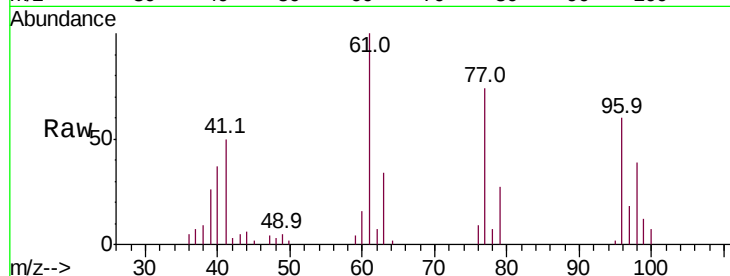
97 15.5 20.6 31.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 2.321 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

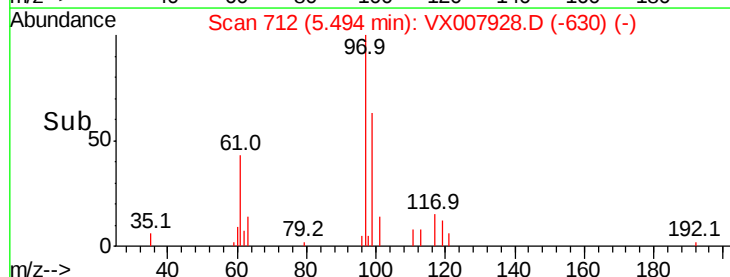
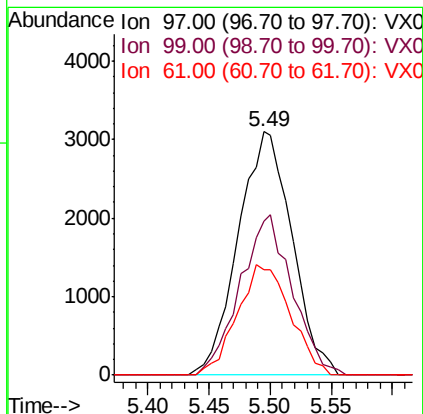
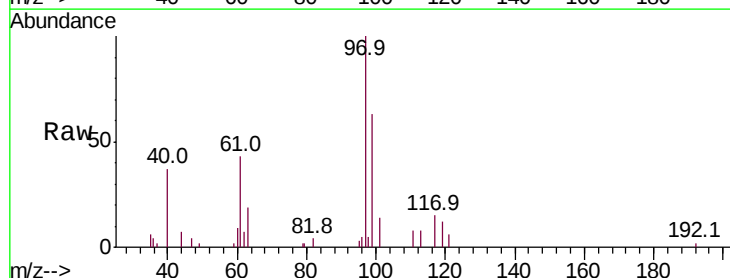
Tgt Ion: 97 Resp: 9486

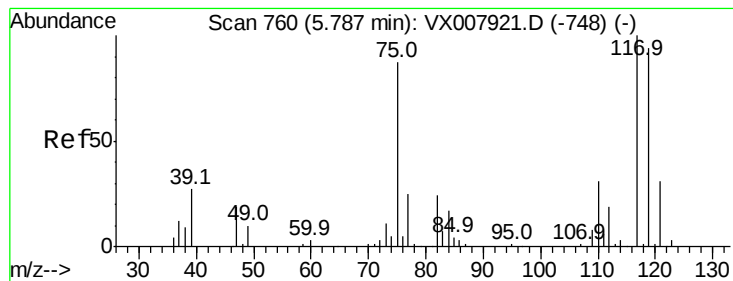
Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

61 44.7 32.8 49.2





#33

Carbon Tetrachloride

Concen: 2.200 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

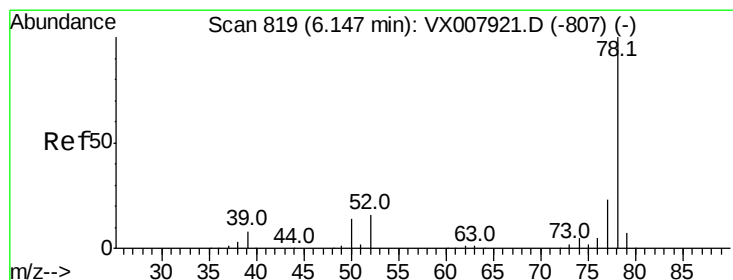
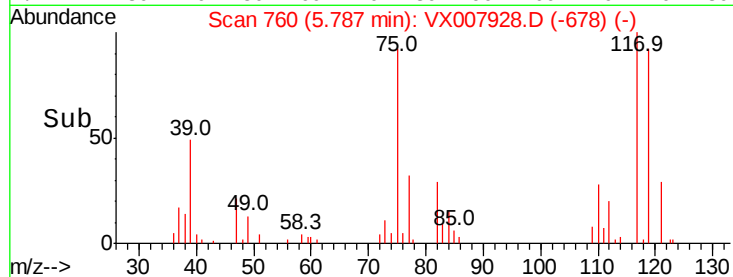
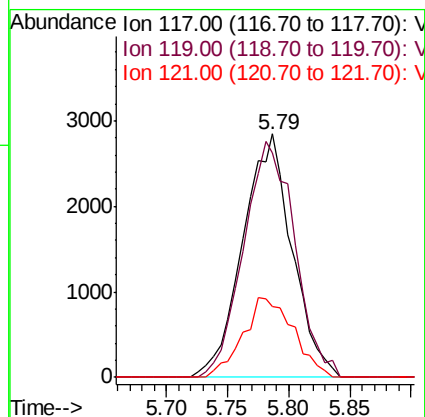
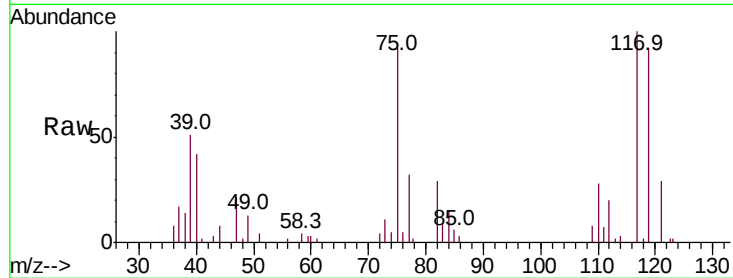
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	117	Resp:	7976
Ion	Ratio	Lower	Upper
117	100		
119	92.3	78.1	117.1
121	29.0	27.0	40.6

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#34

Benzene

Concen: 2.428 ug/l

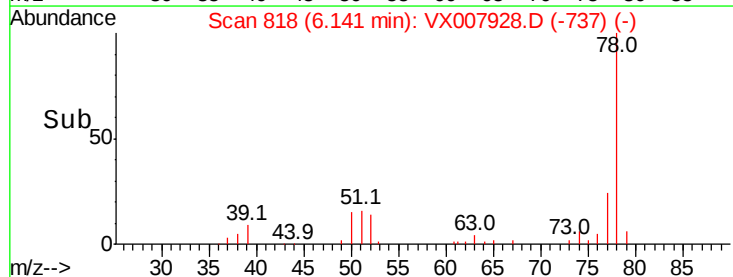
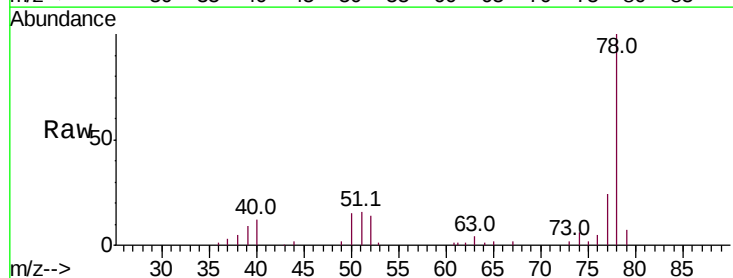
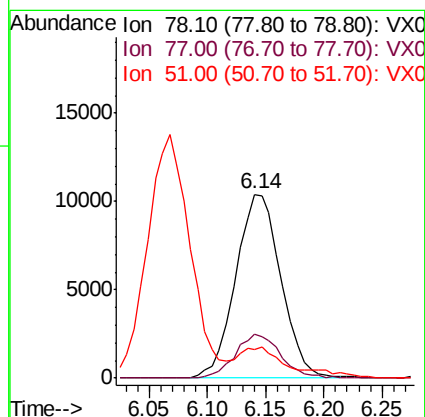
RT: 6.14 min Scan# 818

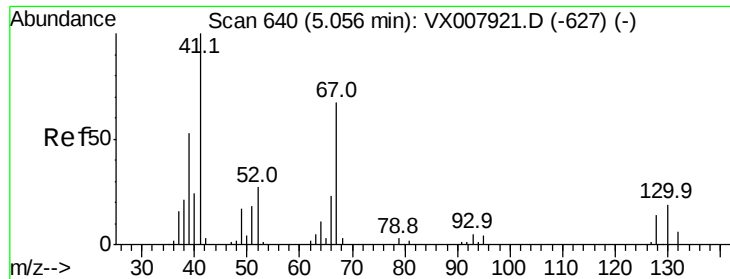
Delta R.T. -0.01 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	78	Resp:	28134
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	12.7	10.8	16.2





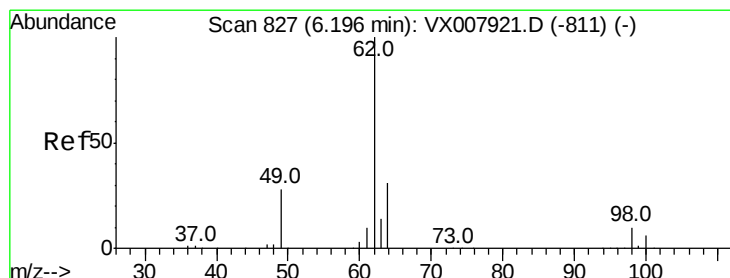
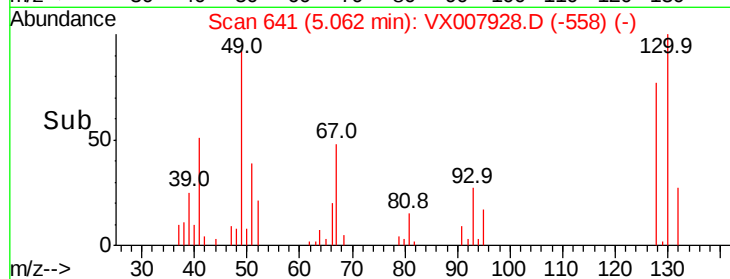
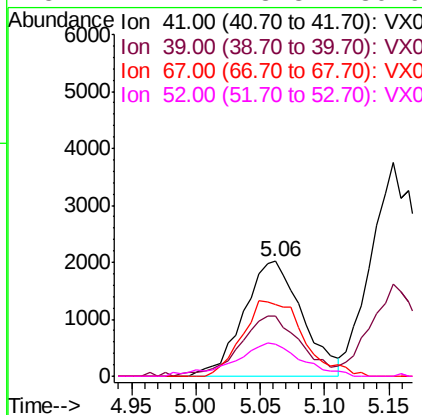
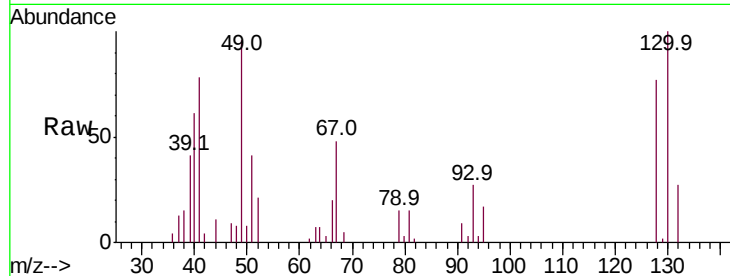
#35
Methacrylonitrile
Concen: 2.569 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion: 41 Resp: 6382
Ion Ratio Lower Upper
41 100
39 49.3 27.4 82.0
67 61.8 37.9 113.6
52 24.2 13.3 39.9

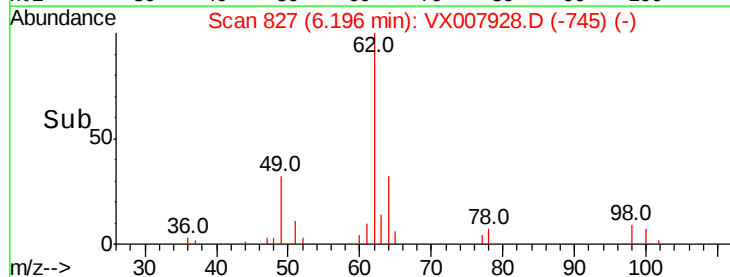
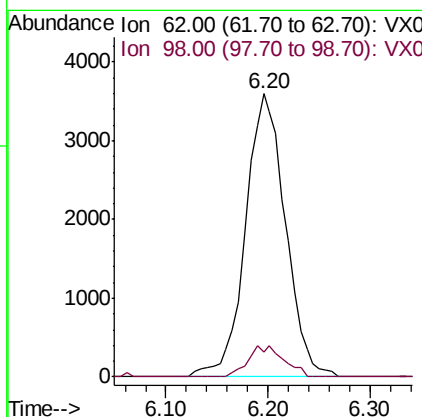
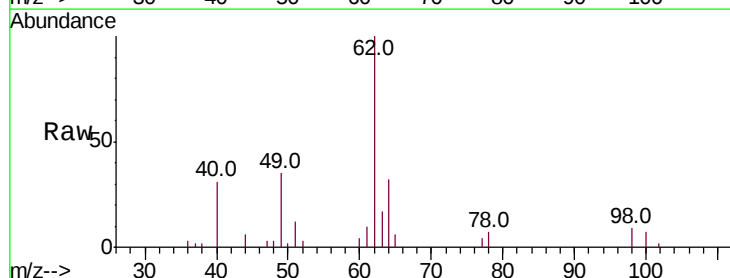
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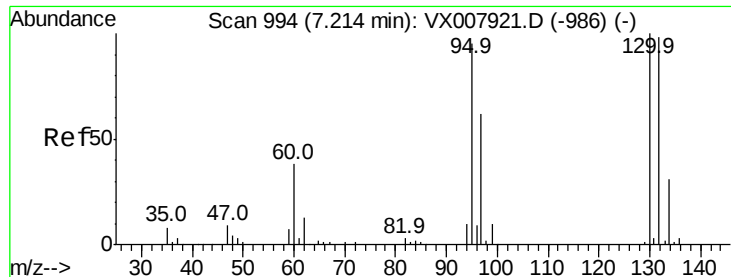
MMDadoda
3/11/2019 12:01:45 PM



#36
1,2-Dichloroethane
Concen: 2.596 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion: 62 Resp: 9784
Ion Ratio Lower Upper
62 100
98 4.8 7.8 11.8#





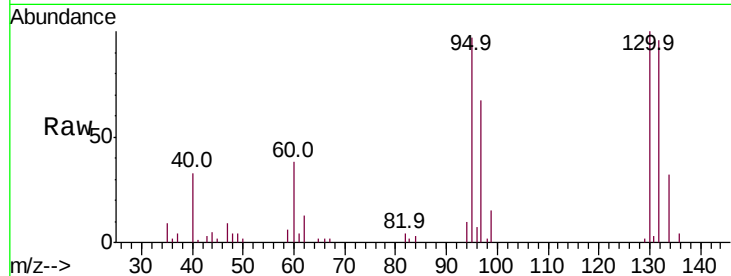
#37
 Trichloroethene
 Concen: 2.441 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

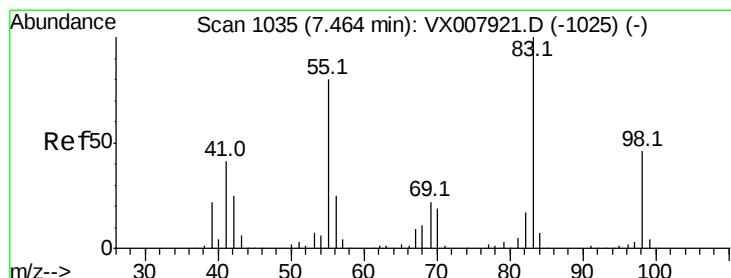
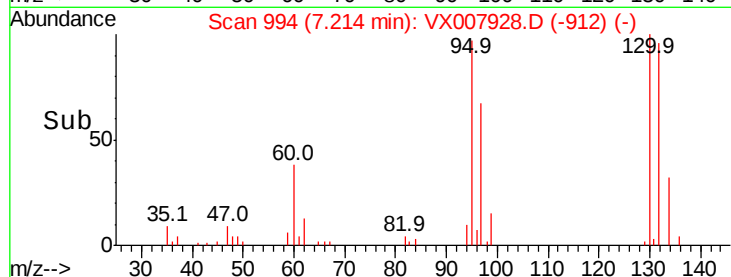
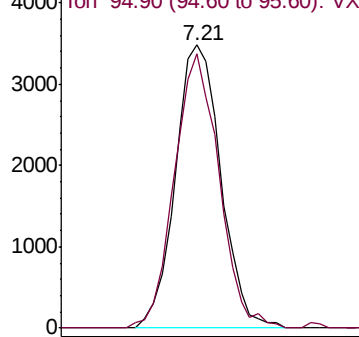
Tot Ion:130 Resp: 7662
 Ion Ratio Lower Upper
 130 100
 95 97.1 71.3 106.9

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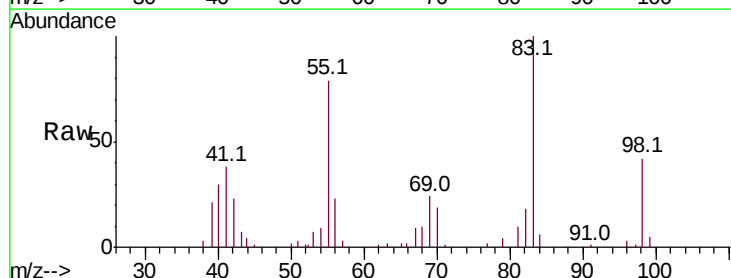


Abundance Ion 129.90 (129.60 to 130.60): V

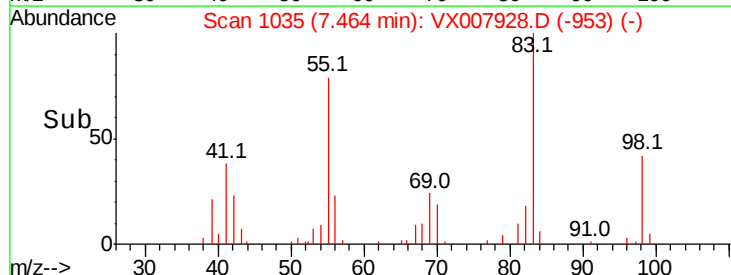
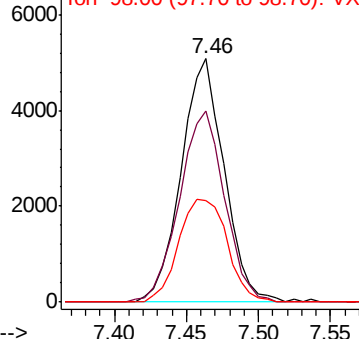


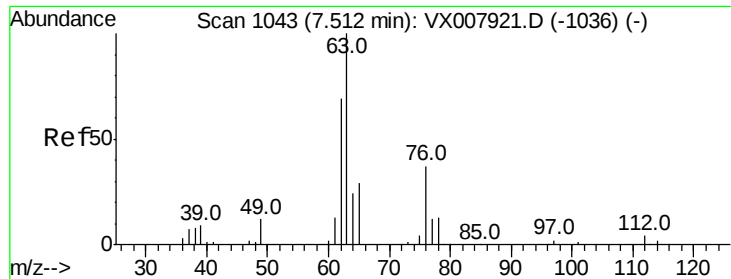
#38
 Methylcyclohexane
 Concen: 2.192 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion: 83 Resp: 10536
 Ion Ratio Lower Upper
 83 100
 55 82.4 36.0 108.0
 98 47.7 23.8 71.4



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 2.440 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 63 Resp: 7372

Ion Ratio Lower Upper

63 100

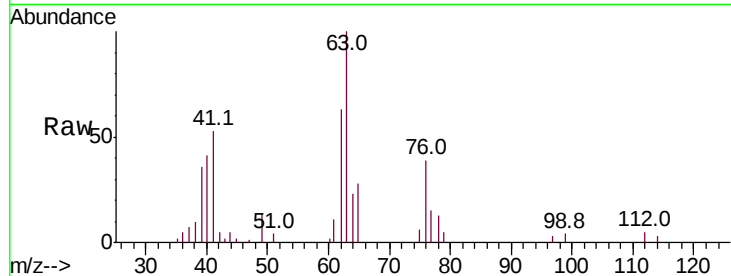
65 27.8 24.6 37.0

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.52

4000

3000

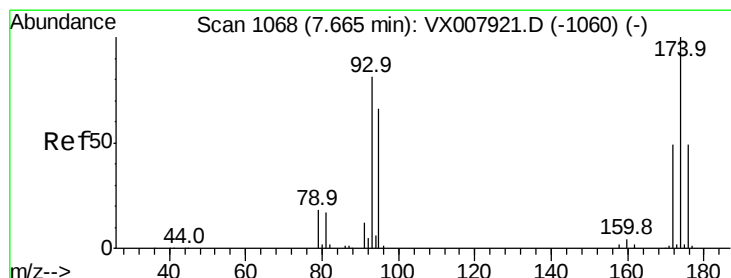
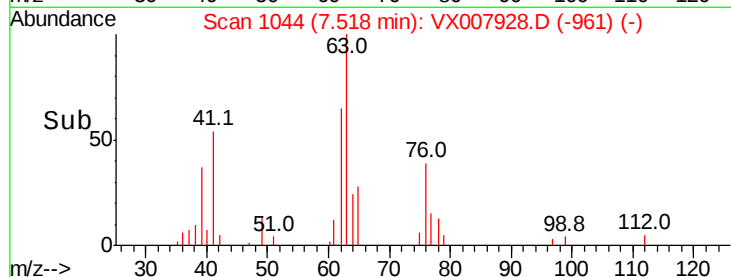
2000

1000

0

7.45 7.50 7.55 7.60

Time-->



#40

Dibromomethane

Concen: 2.506 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

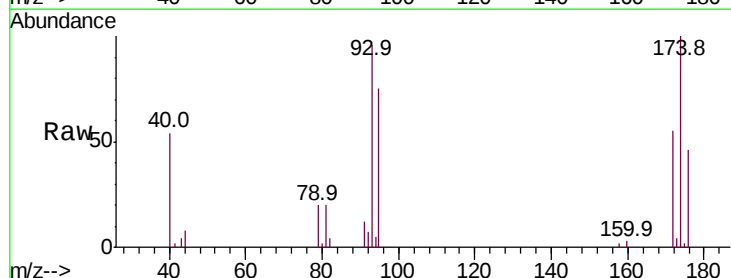
Tgt Ion: 93 Resp: 4803

Ion Ratio Lower Upper

93 100

95 81.9 0.0 158.8

174 117.3 0.0 224.2



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

4000

3000

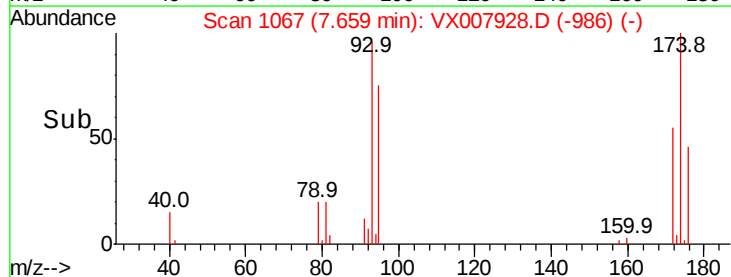
2000

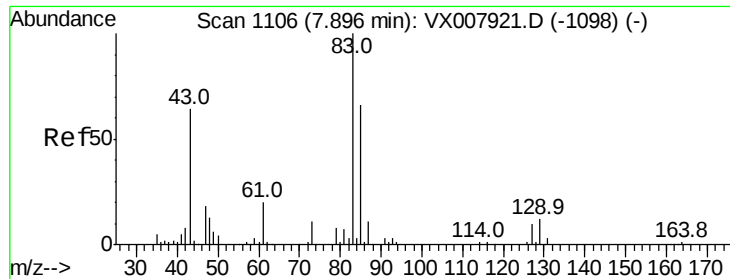
1000

0

7.60 7.65 7.70

Time-->





#41

Bromodichloromethane

Concen: 2.288 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

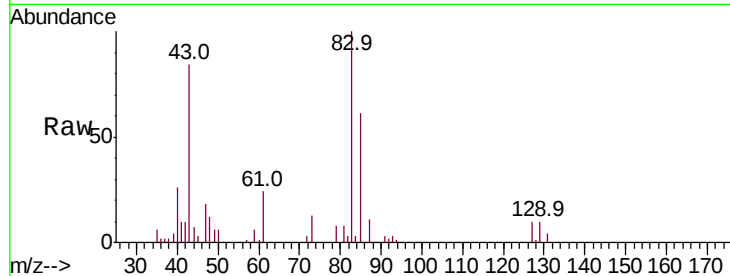
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

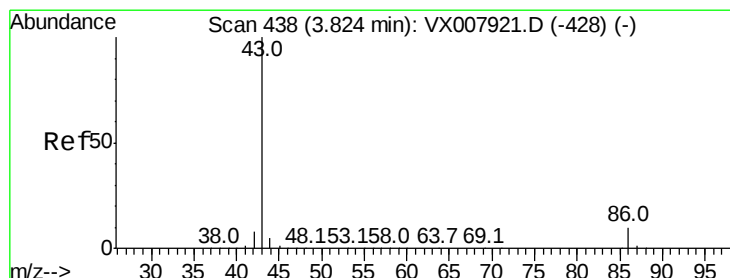
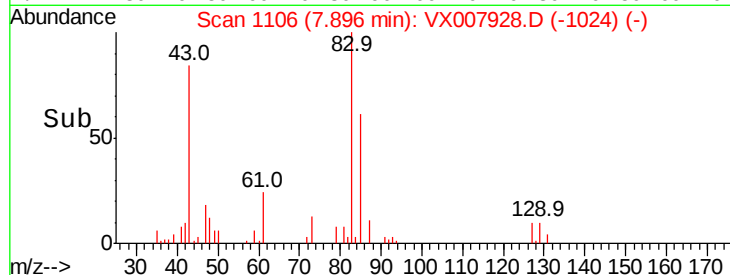
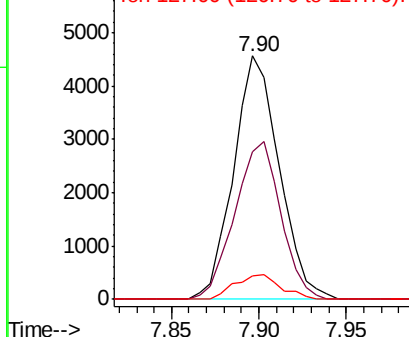
Tot Ion:	83	Resp:	8288
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.1	76.7
127	9.5	7.2	10.8

Manual Integrations
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3/11/2019 12:01:45 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 11.297 ug/l

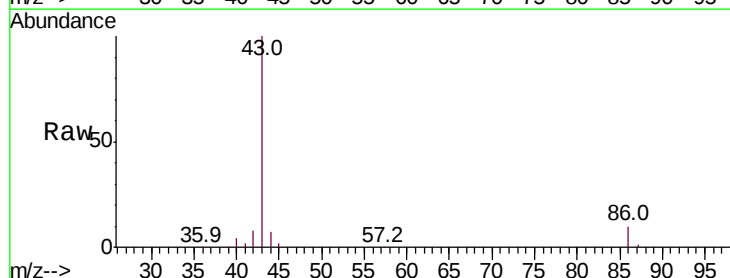
RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

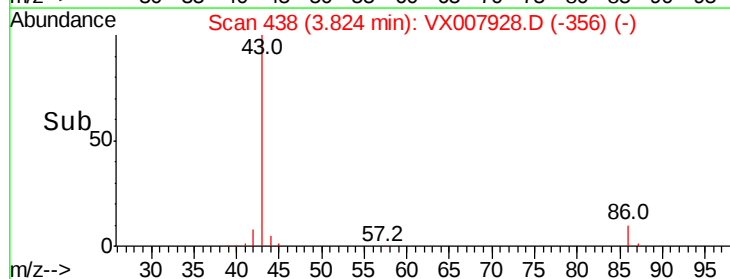
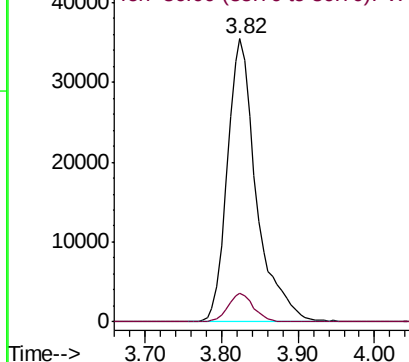
Lab File: VX007928.D

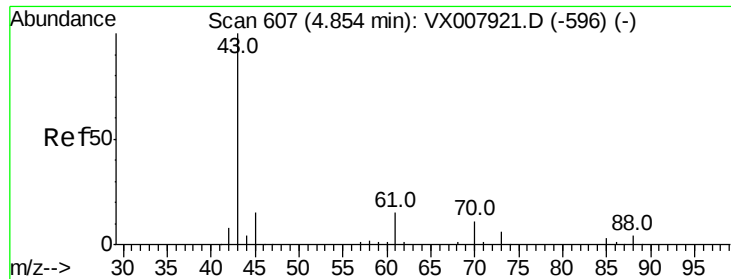
Acq: 08 Mar 2019 13:50

Tgt Ion:	43	Resp:	93242
Ion	Ratio	Lower	Upper
43	100		
86	8.8	8.2	12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 2.566 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 11398

Ion Ratio Lower Upper

43 100

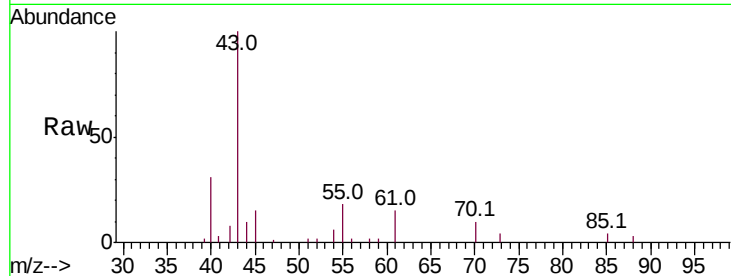
45 14.6 6.9 10.3#

Manual Integrations

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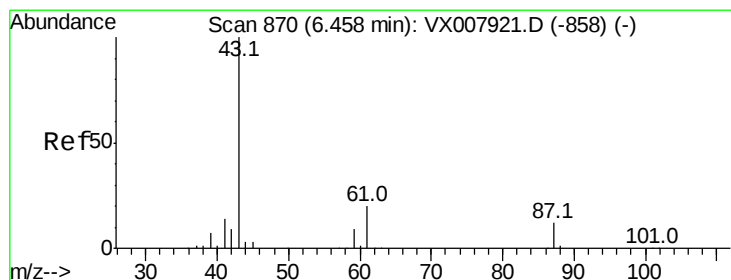
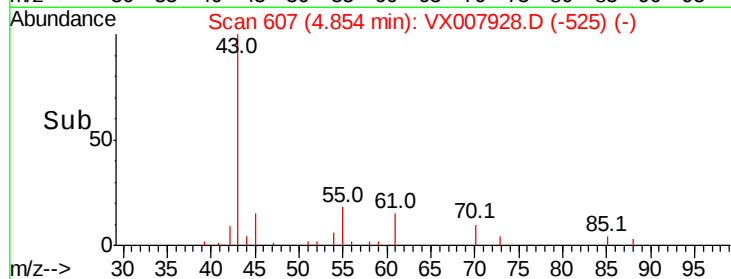
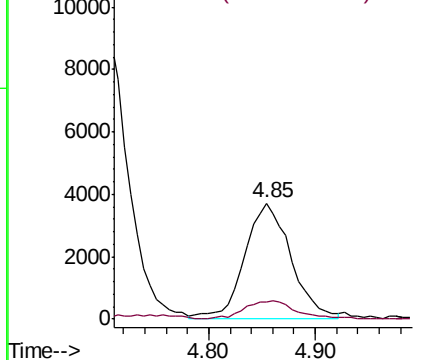
MMDadoda

3/11/2019 12:01:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 2.318 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX007928.D

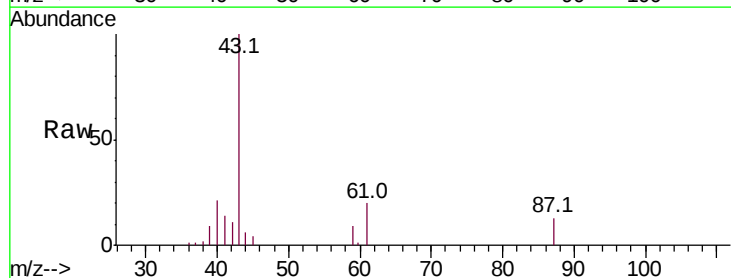
Acq: 08 Mar 2019 13:50

Tgt Ion: 43 Resp: 15710

Ion Ratio Lower Upper

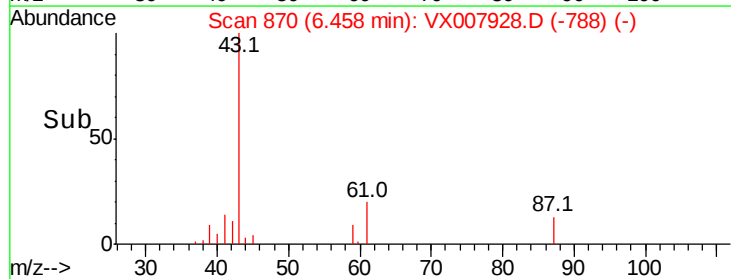
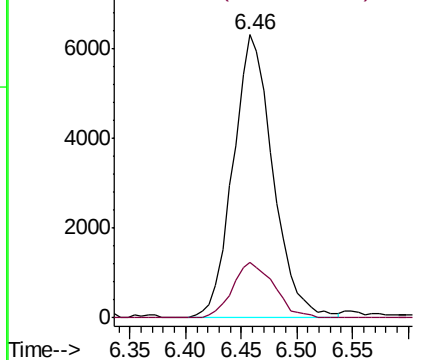
43 100

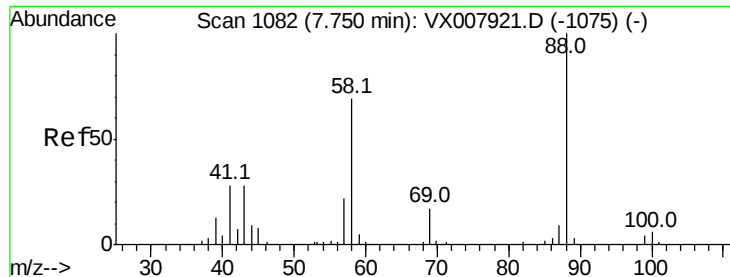
61 20.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





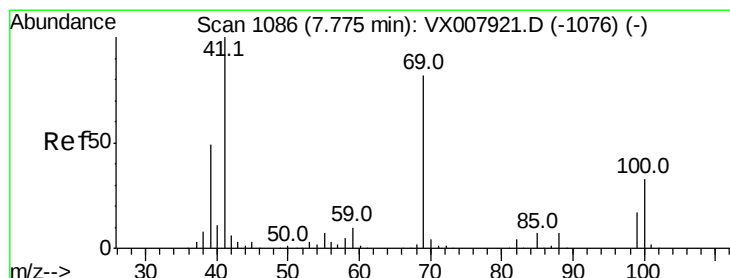
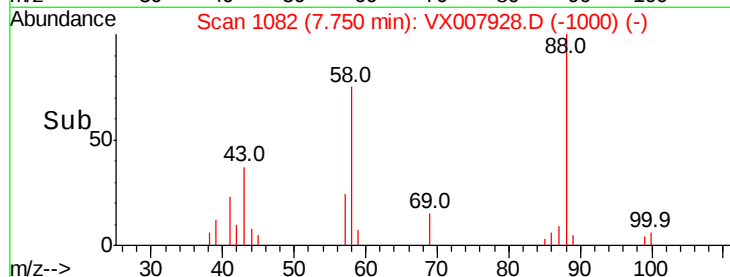
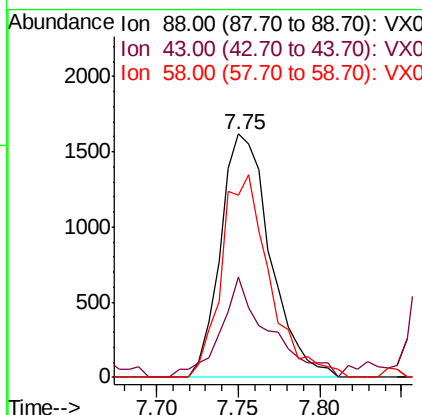
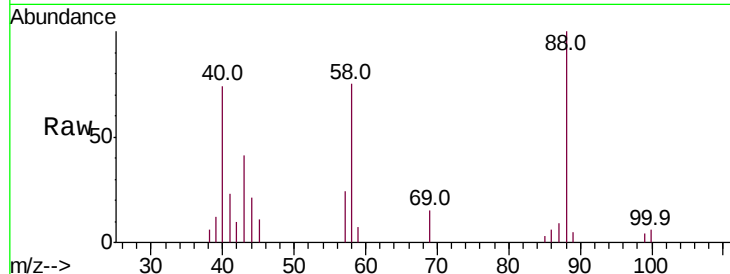
#45
1,4-Dioxane
Concen: 48.564 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion: 88 Resp: 3443
Ion Ratio Lower Upper
88 100
43 37.8 23.6 35.4#
58 80.2 51.6 77.4#

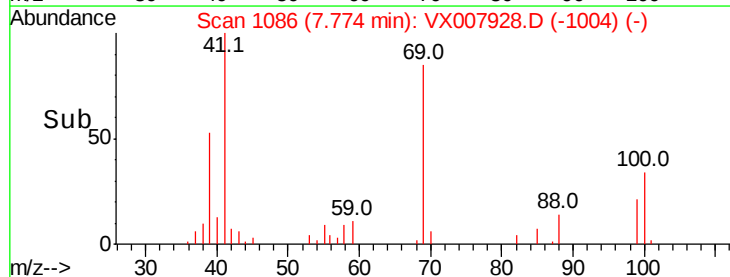
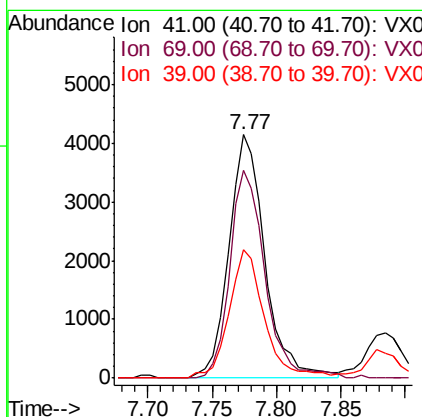
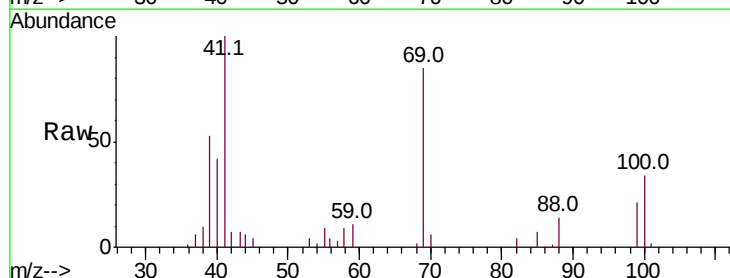
Manual Integrations
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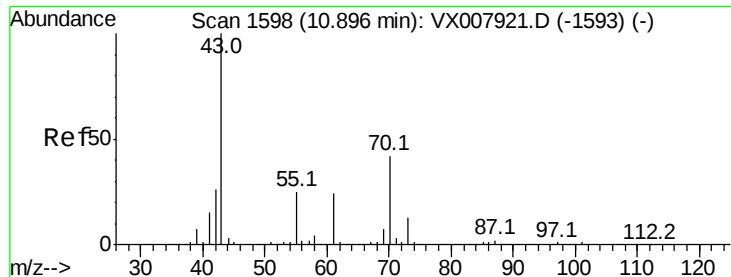
MMDadoda
3/11/2019 12:01:45 PM



#46
Methyl methacrylate
Concen: 2.276 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion: 41 Resp: 8110
Ion Ratio Lower Upper
41 100
69 85.2 44.2 132.6
39 53.0 29.9 89.8





#47

n-amvl Acetate

Concen: 2.098 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :
MSVOA_X

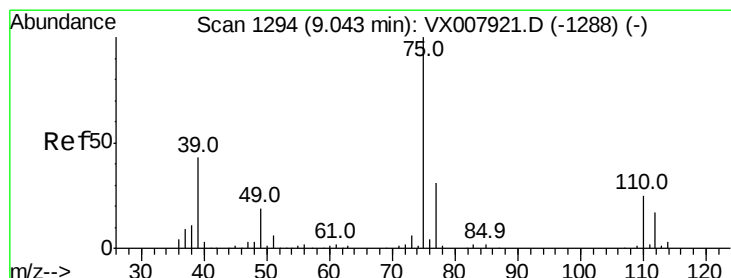
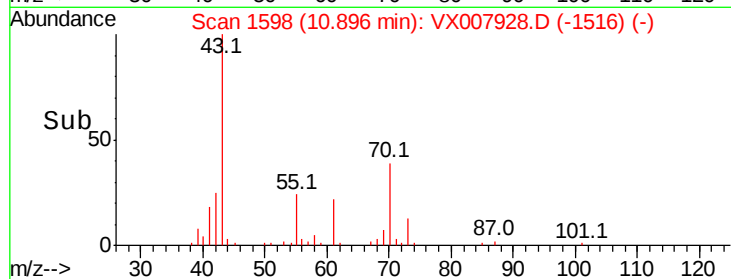
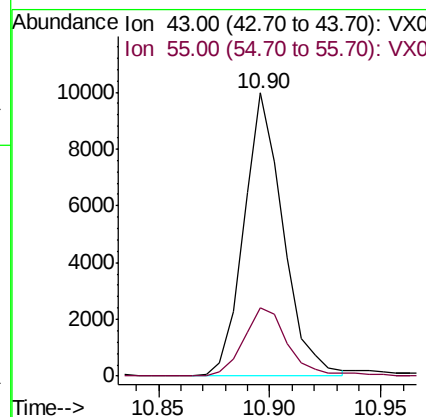
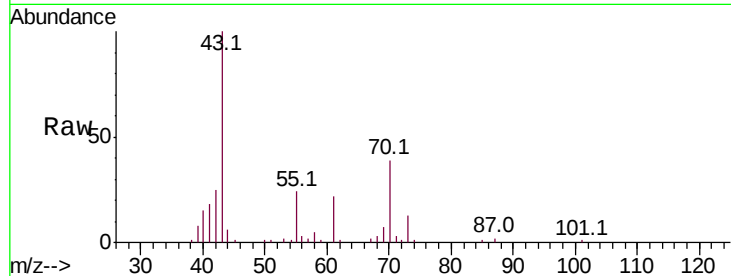
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 12250

Ion	Ratio	Lower	Upper
43	100		
55	26.7	20.8	31.2

Manual Integrations
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3/11/2019 12:01:45 PM



#48

t-1,3-Dichloropropene

Concen: 1.936 ug/l

RT: 9.04 min Scan# 1294

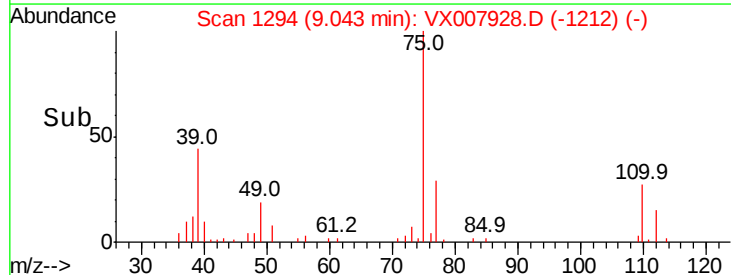
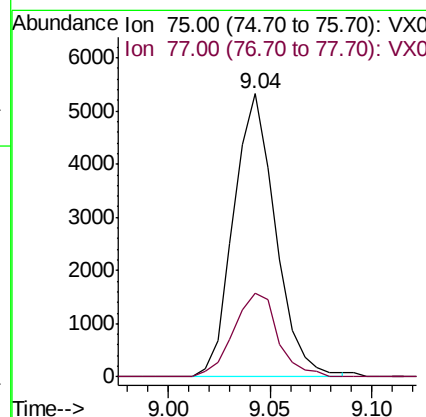
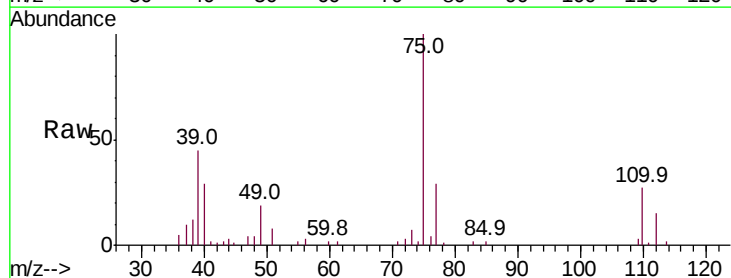
Delta R.T. -0.00 min

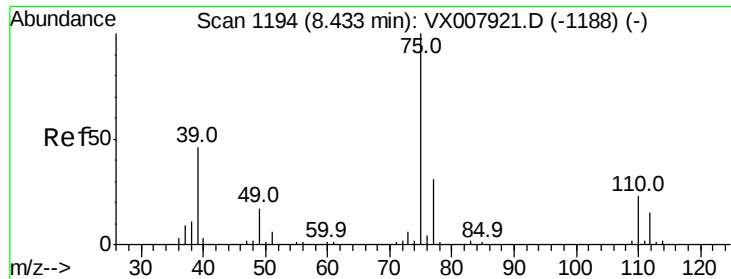
Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion: 75 Resp: 7597

Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.5	36.7





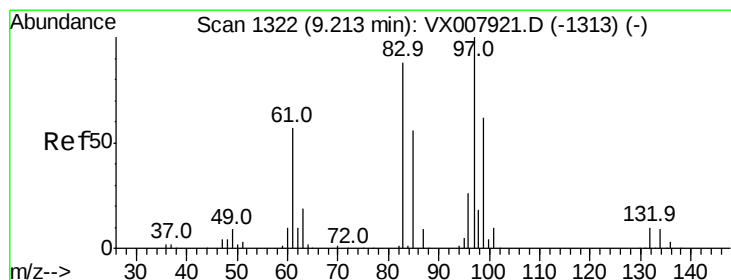
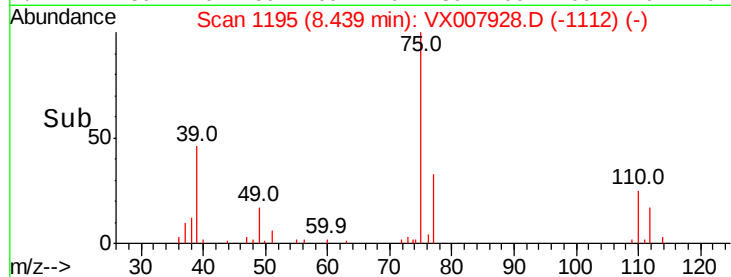
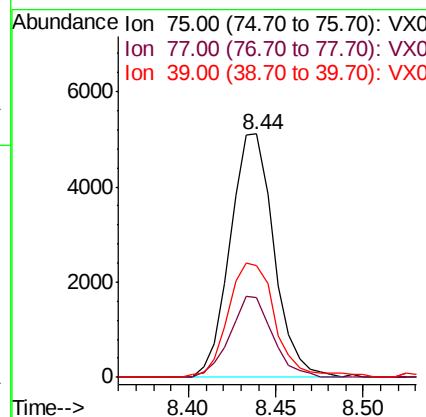
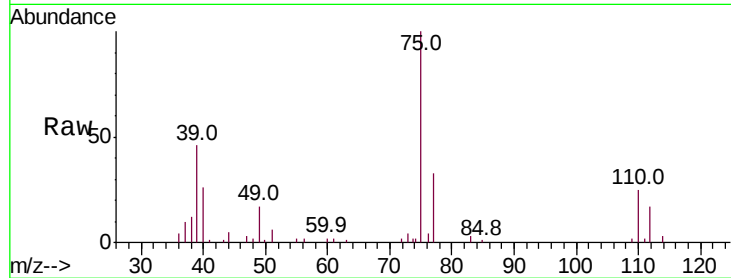
#49
 cis-1,3-Dichloropropene
 Concen: 2.006 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.0	37.4
39	45.0	38.5	57.7

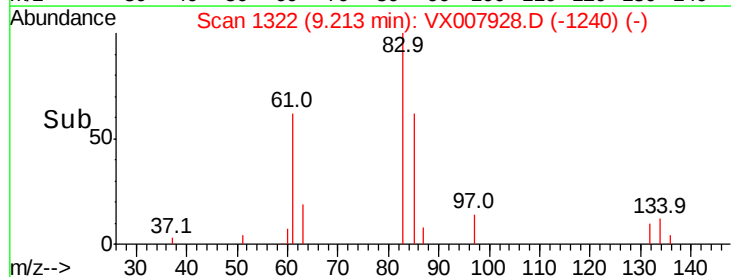
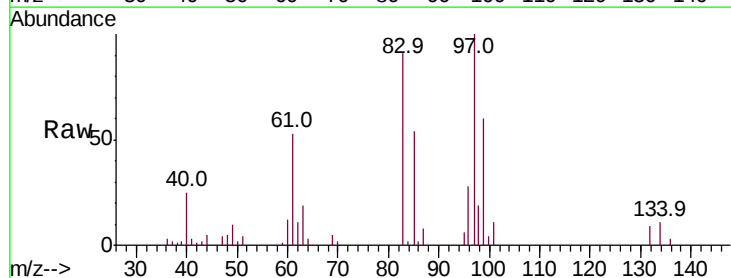
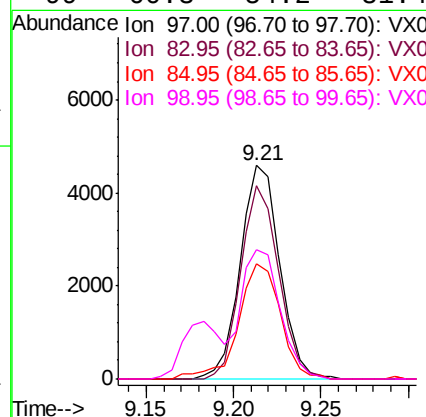
Manual Integrations
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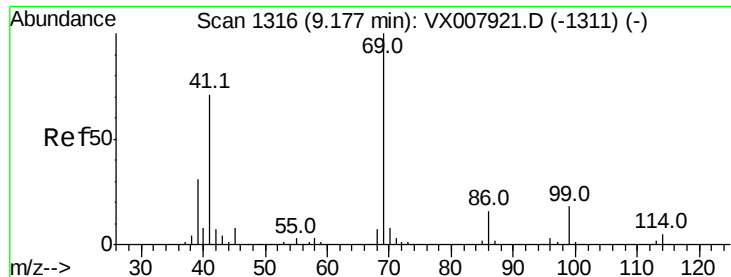
MMDadoda
 3/11/2019 12:01:45 PM



#50
 1,1,2-Trichloroethane
 Concen: 2.473 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.0	108.0
85	53.7	45.0	67.6
99	60.3	54.2	81.4





#51

Ethyl methacrylate

Concen: 2.200 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

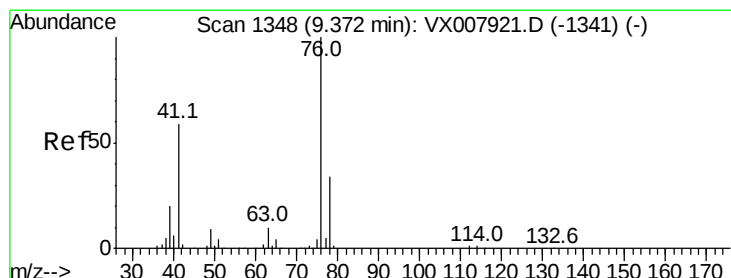
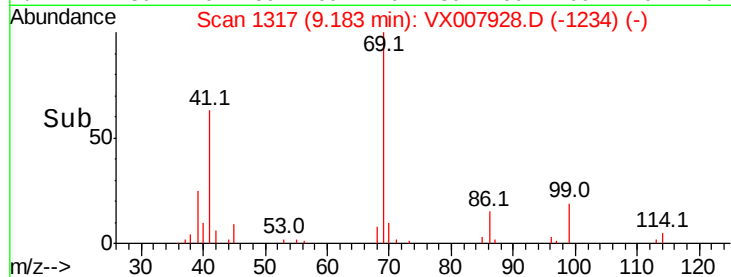
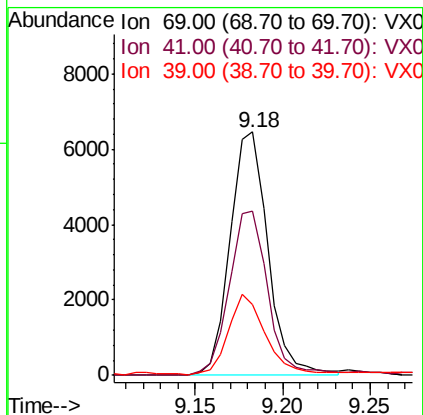
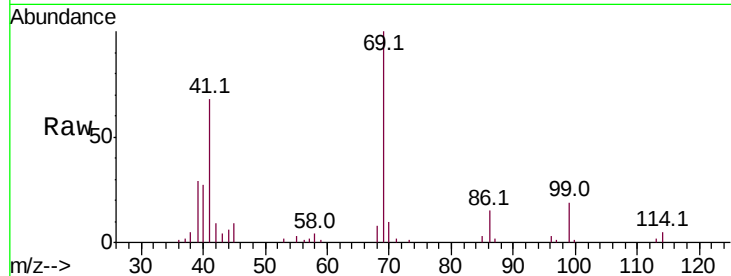
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	69	Resp:	9747
Ion	Ratio	Lower	Upper
69	100		
41	67.6	32.1	96.5
39	28.8	18.8	56.3

Manual Integrations
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3/11/2019 12:01:45 PM



#52

1,3-Dichloropropane

Concen: 2.453 ug/l

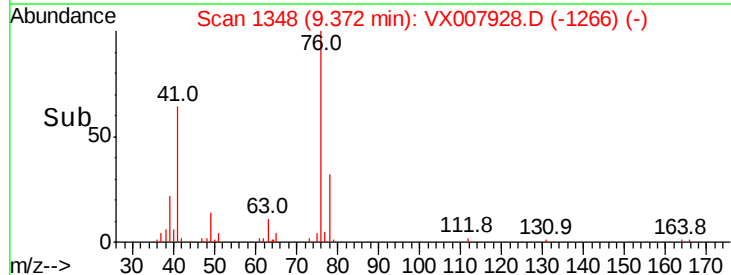
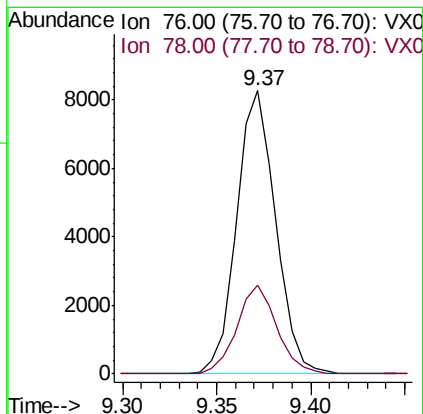
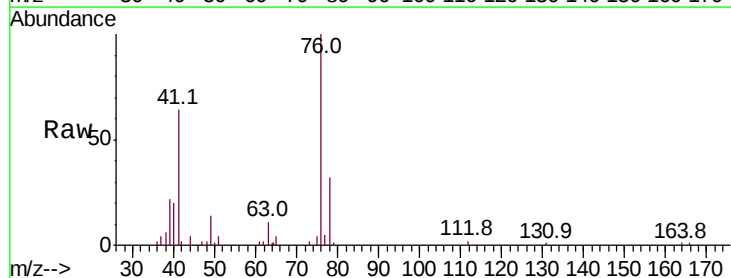
RT: 9.37 min Scan# 1348

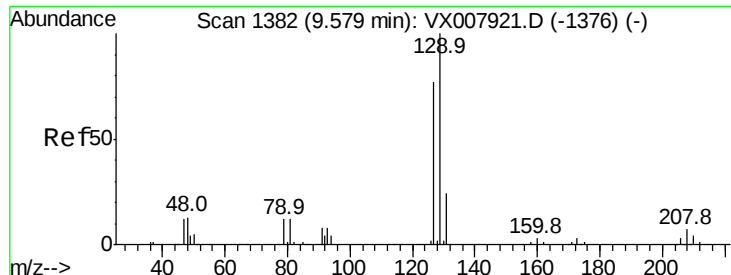
Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	76	Resp:	11840
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.2





#53

Dibromochloromethane

Concen: 2.132 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 6407

Ion Ratio Lower Upper

129 100

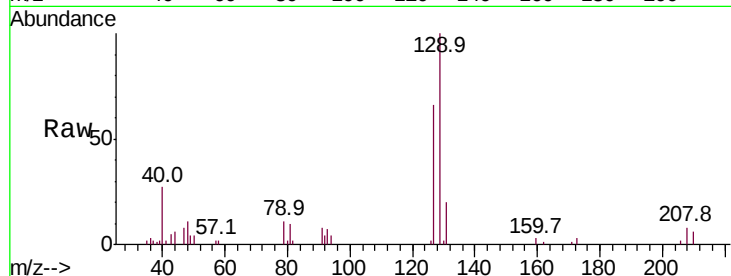
127 74.2 38.4 115.2

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.59

4000

3000

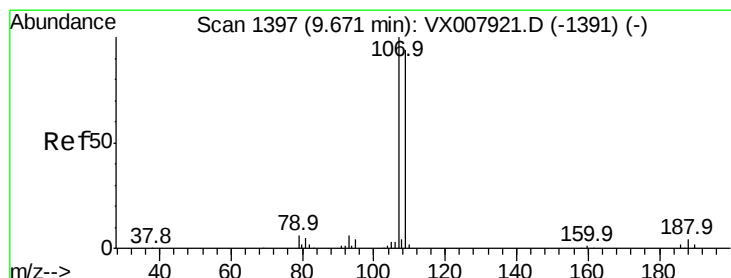
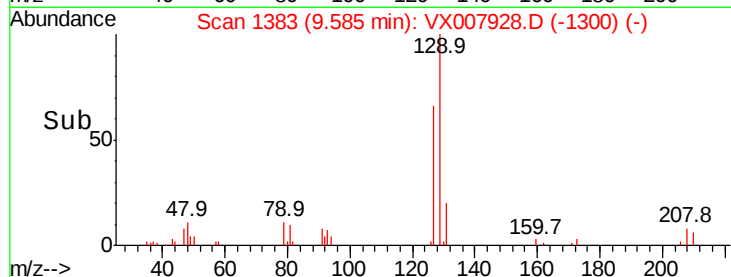
2000

1000

0

9.55 9.60

Time-->



#54

1,2-Dibromoethane

Concen: 2.321 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007928.D

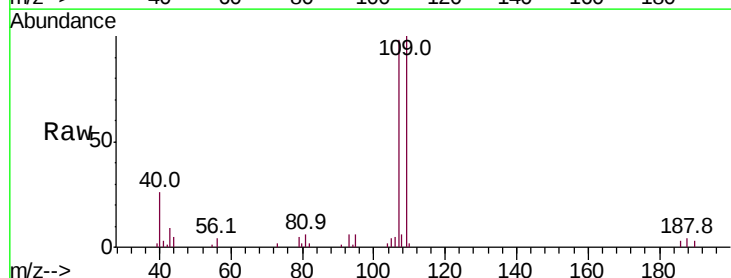
Acq: 08 Mar 2019 13:50

Tgt Ion:107 Resp: 7088

Ion Ratio Lower Upper

107 100

109 98.3 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.67

5000

4000

3000

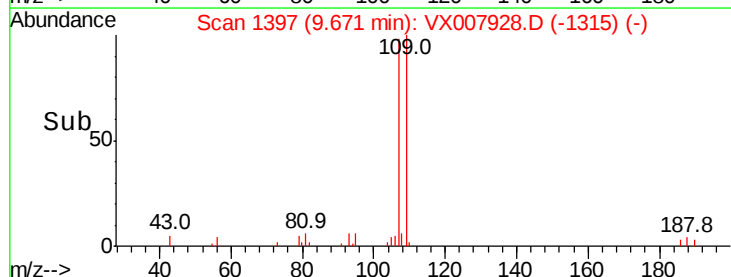
2000

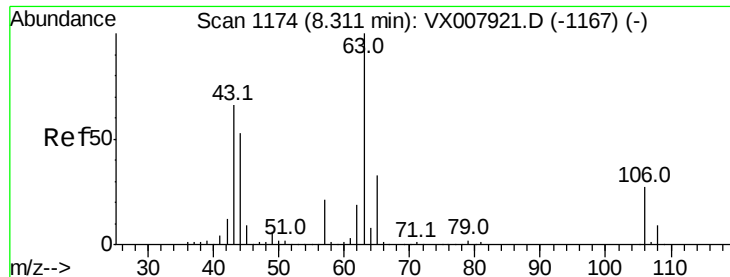
1000

0

9.65 9.70

Time-->





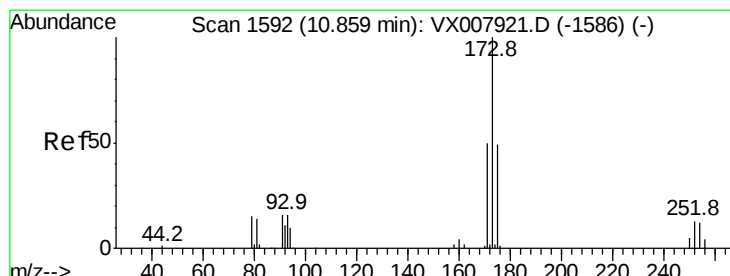
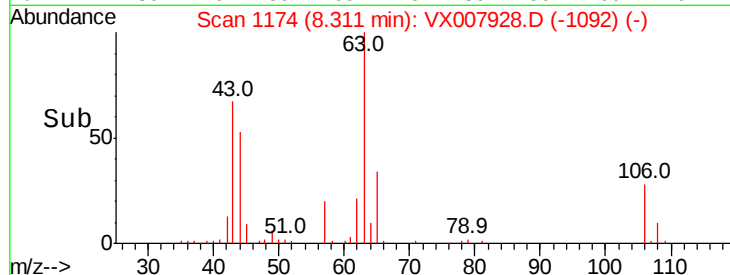
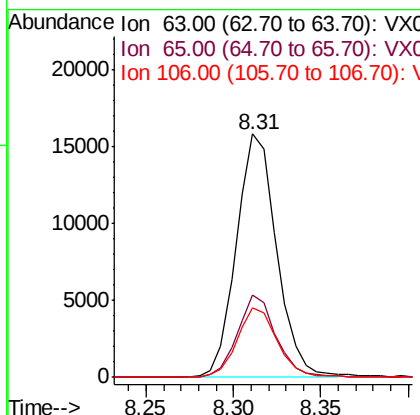
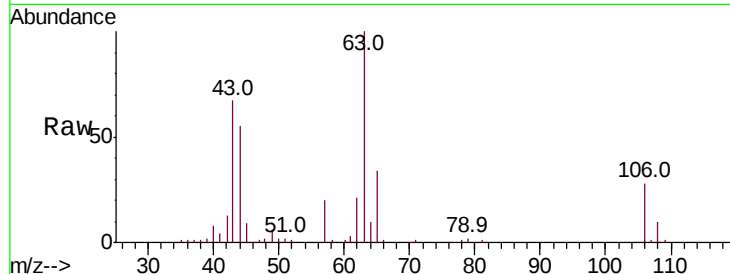
#55
2-Chloroethyl vinyl ether
Concen: 12.292 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.7	38.5
106	28.3	23.7	35.5

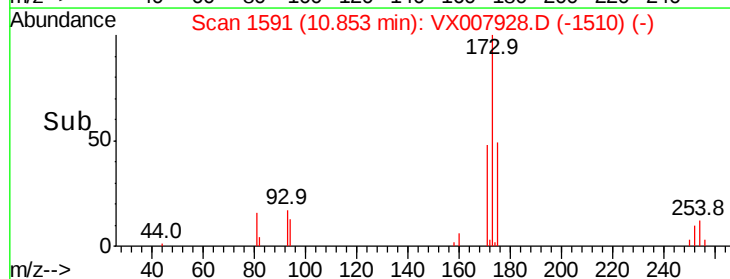
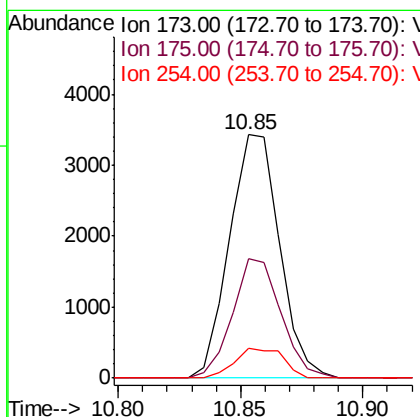
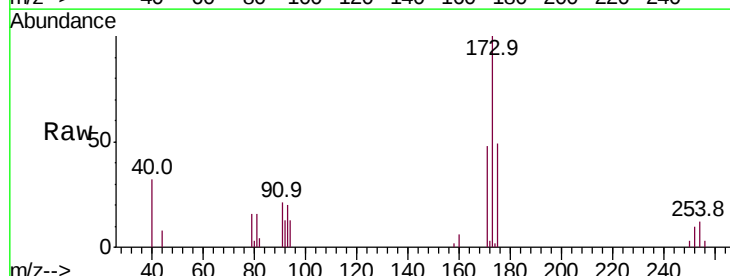
Manual Integrations
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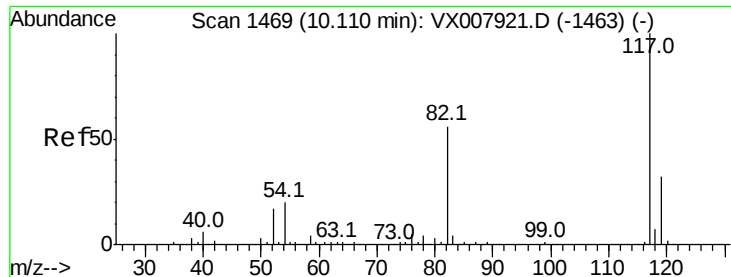
MMDadoda
3/11/2019 12:01:45 PM



#56
Bromoform
Concen: 2.039 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.5	57.7
254	11.9	7.4	11.2#





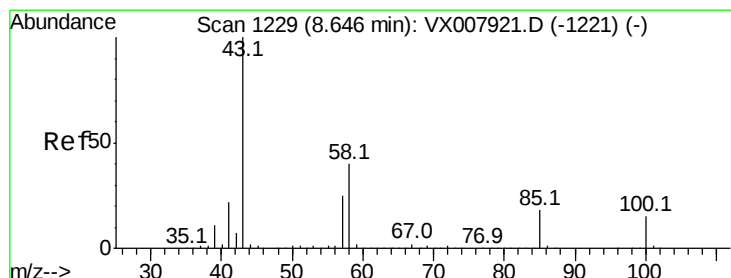
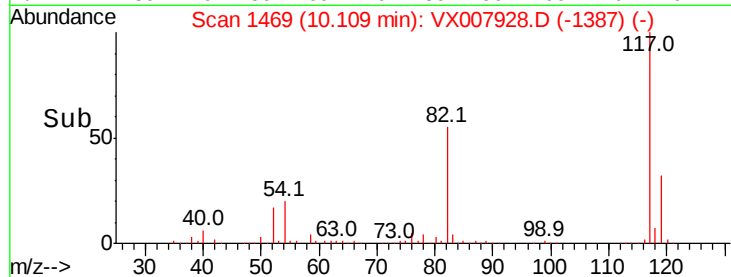
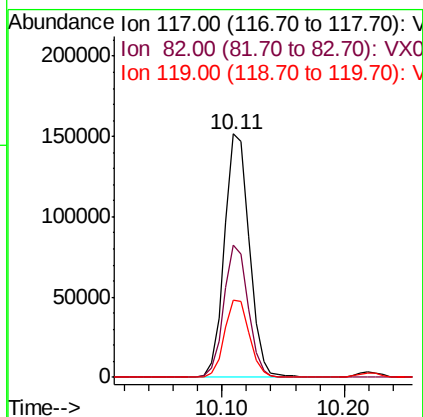
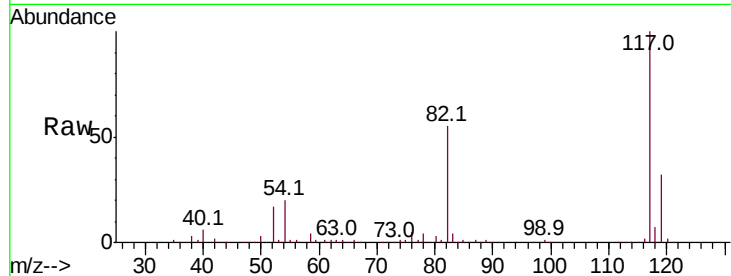
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	40.4	60.6
119	31.9	25.8	38.6

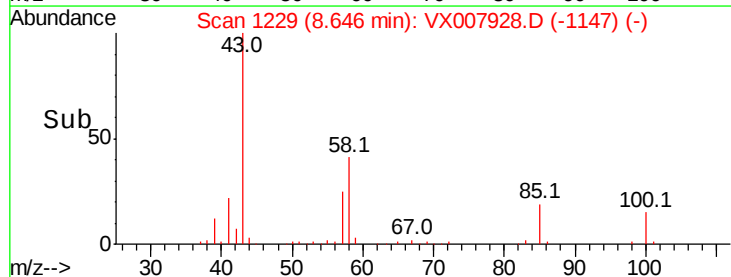
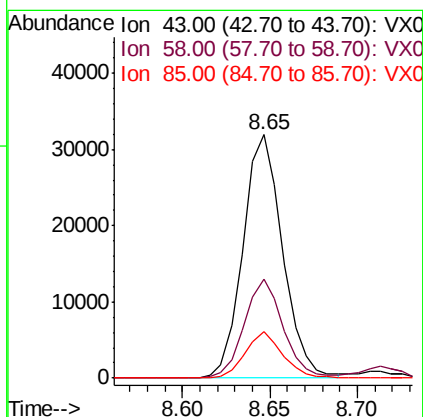
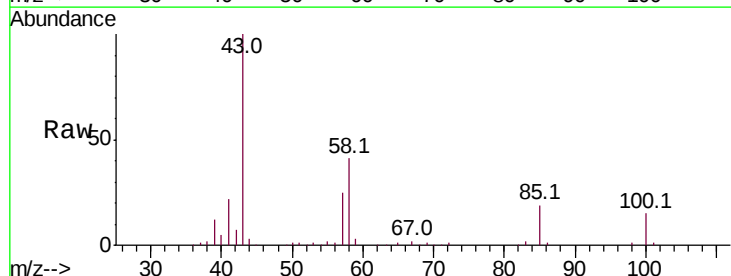
Manual Integrations
APPROVED

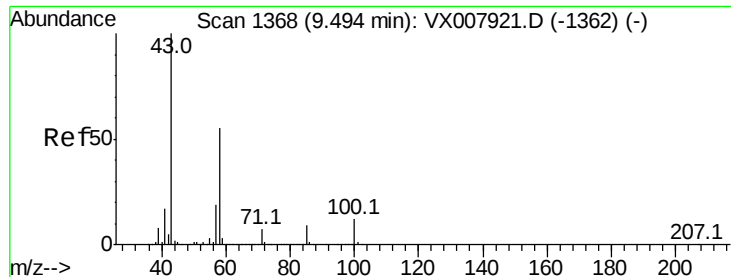
MMDadoda
3/11/2019 12:01:45 PM



#58
4-Methyl-2-Pentanone
Concen: 11.473 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.4	47.0
85	18.0	15.0	22.6





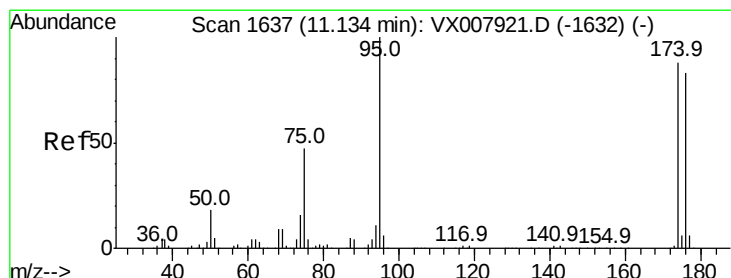
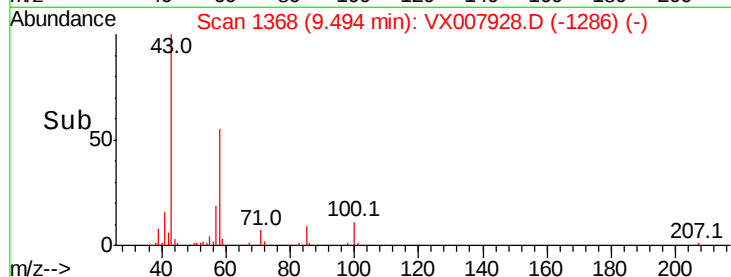
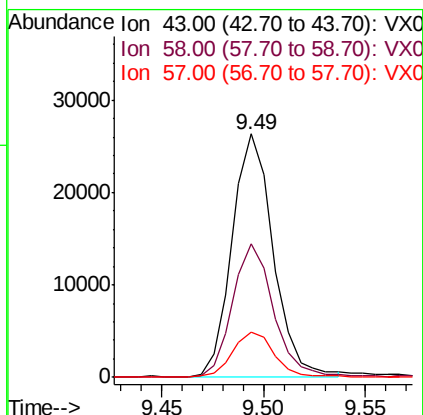
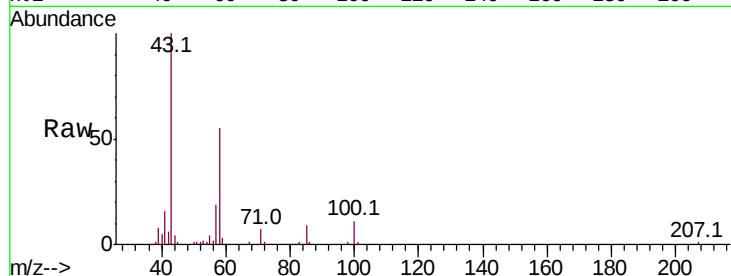
#59
2-Hexanone
Concen: 10.562 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.9	65.9
57	19.5	14.9	22.3

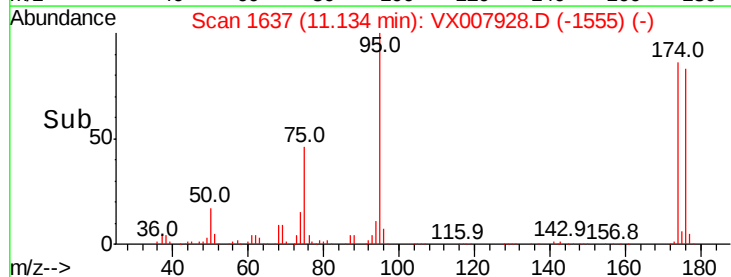
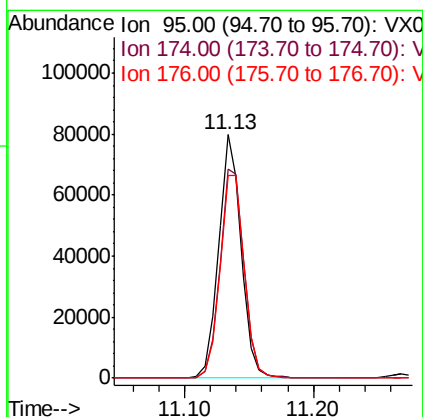
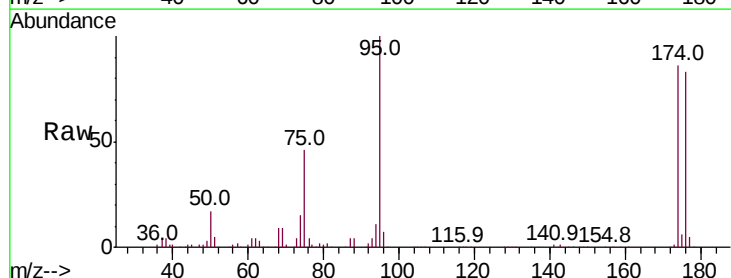
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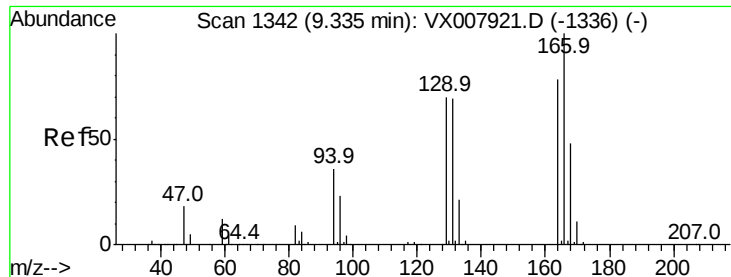
MMDadoda
3/11/2019 12:01:45 PM



#60
4-Bromofluorobenzene
Concen: 28.905 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	74.9	112.3
176	90.2	70.7	106.1





#61

Tetrachloroethene

Concen: 2.523 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

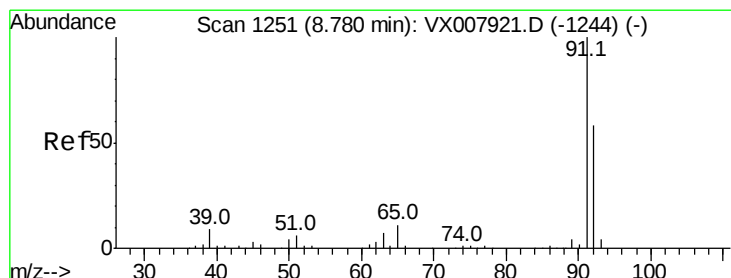
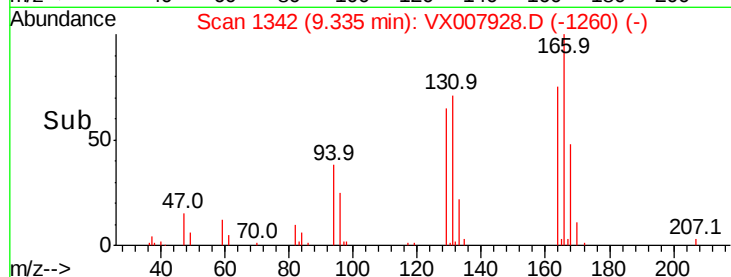
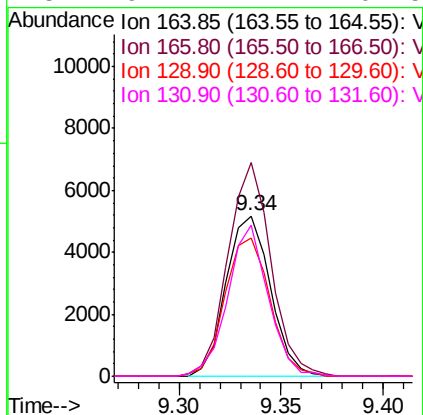
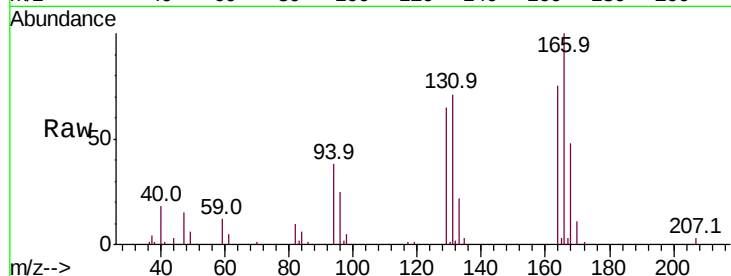
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	164	Resp:	7844
Ion	Ratio	Lower	Upper
164	100		
166	133.0	103.9	155.9
129	86.3	74.7	112.1
131	94.4	71.7	107.5

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#62

Toluene

Concen: 2.433 ug/l

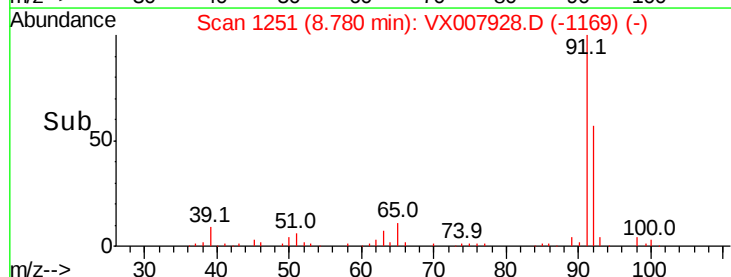
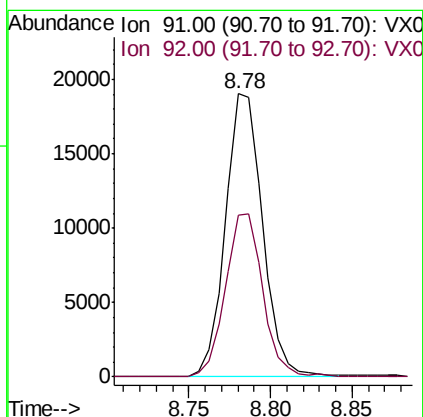
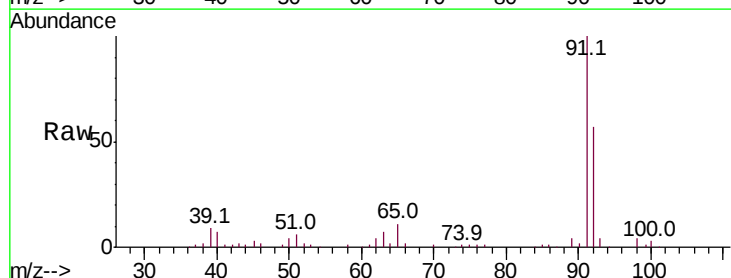
RT: 8.78 min Scan# 1251

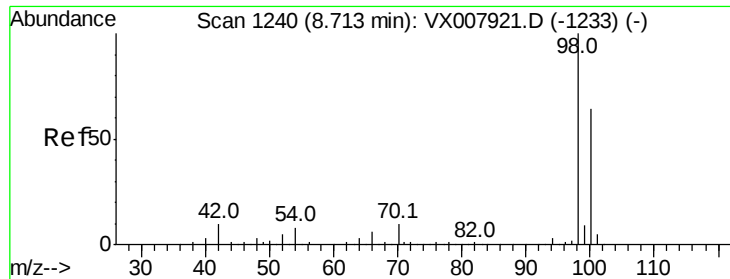
Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	91	Resp:	30283
Ion	Ratio	Lower	Upper
91	100		
92	57.2	46.4	69.6





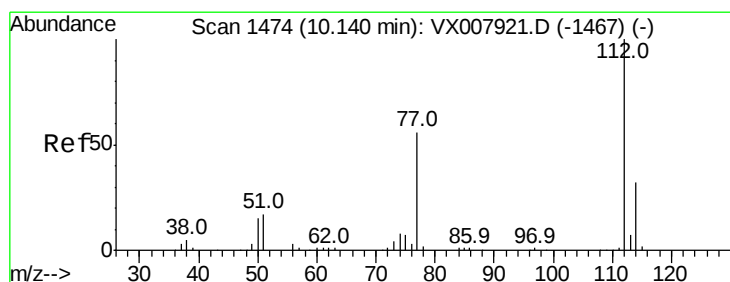
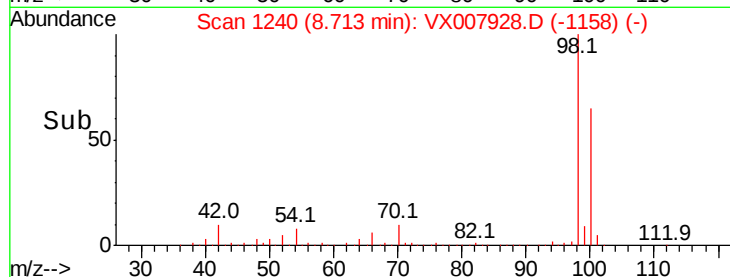
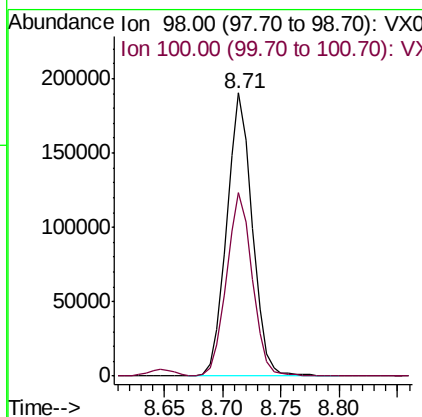
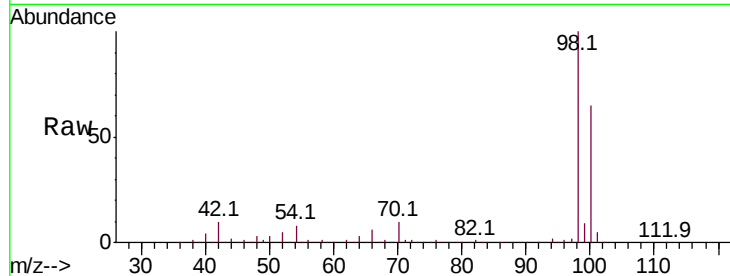
#63
Toluene-d8
Concen: 29.727 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion: 98 Resp: 289938
Ion Ratio Lower Upper
98 100
100 65.5 50.9 76.3

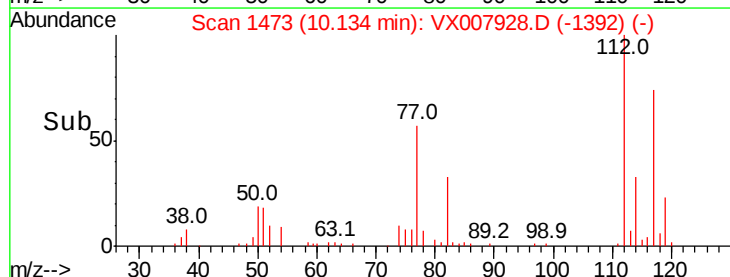
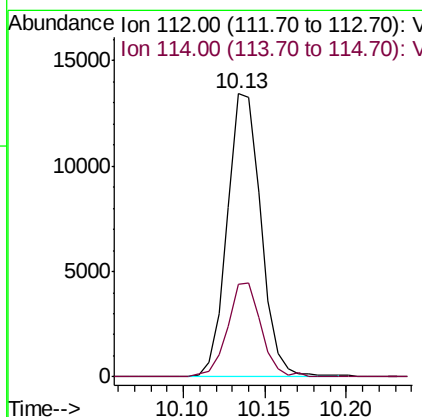
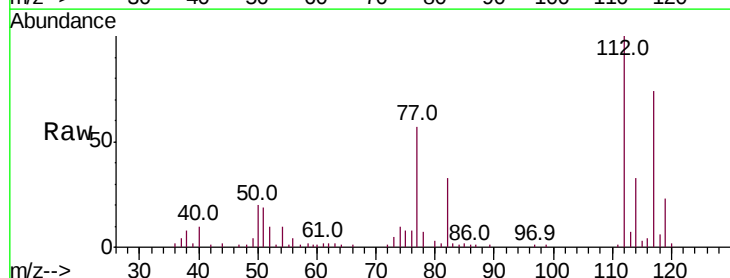
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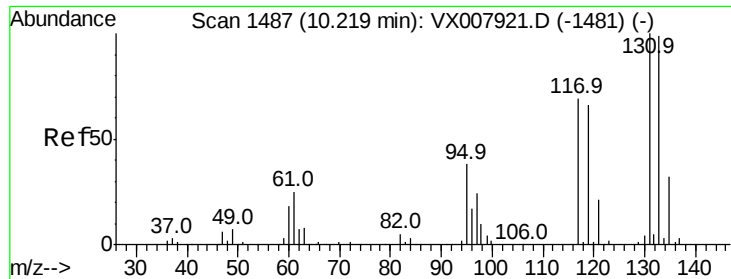
MMDadoda
3/11/2019 12:01:45 PM



#64
Chlorobenzene
Concen: 2.440 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion: 112 Resp: 19353
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.246 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

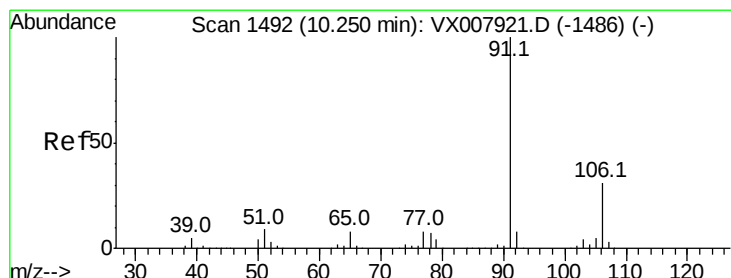
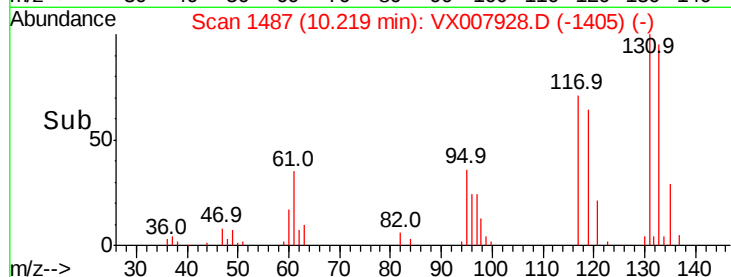
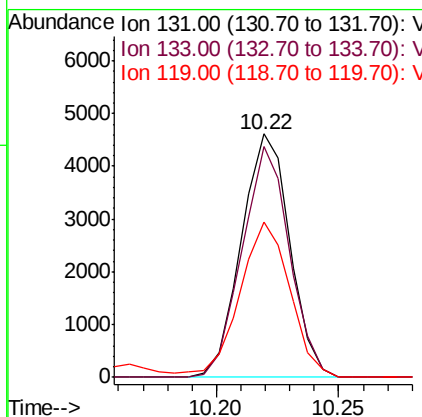
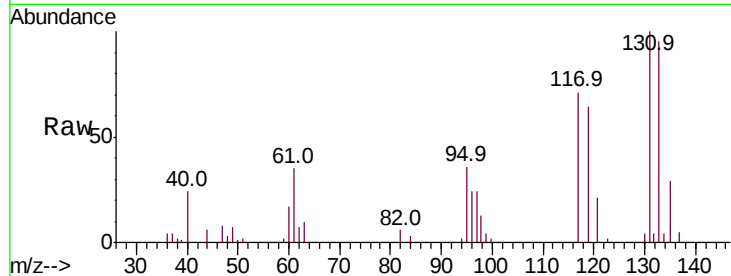
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	131	Resp:	6379
Ion	Ratio	Lower	Upper
131	100		
133	92.7	0.0	191.6
119	65.9	0.0	127.4

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#66

Ethyl Benzene

Concen: 2.269 ug/l

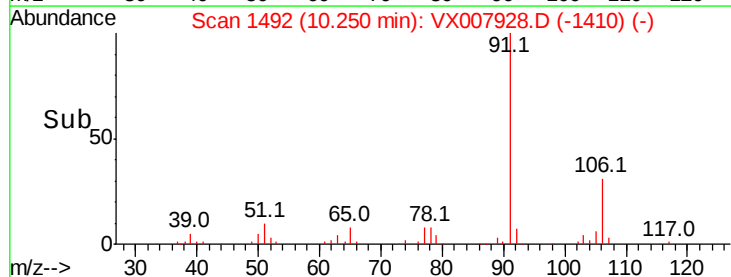
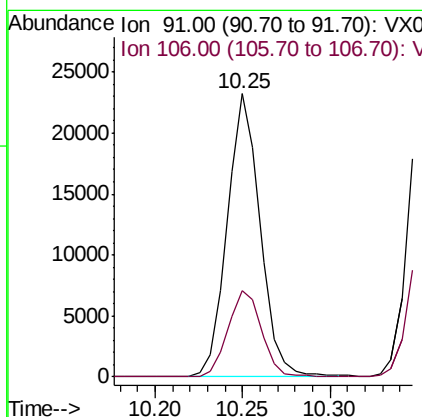
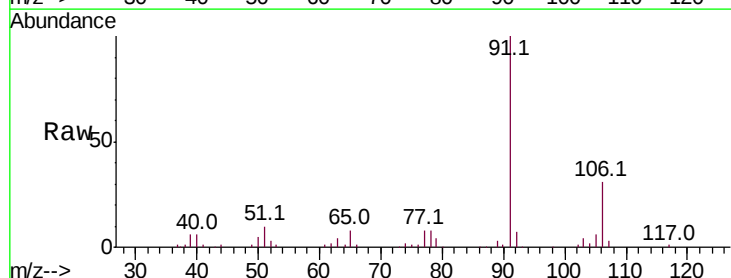
RT: 10.25 min Scan# 1492

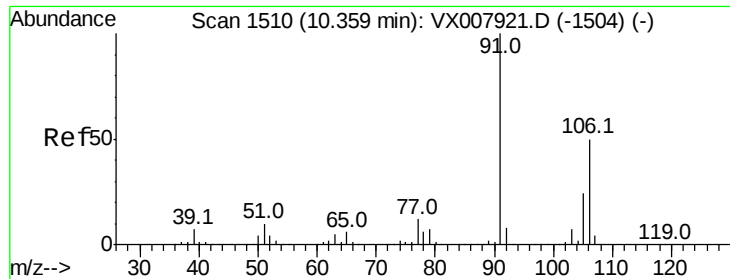
Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	91	Resp:	30331
Ion	Ratio	Lower	Upper
91	100		
106	30.6	26.0	39.0





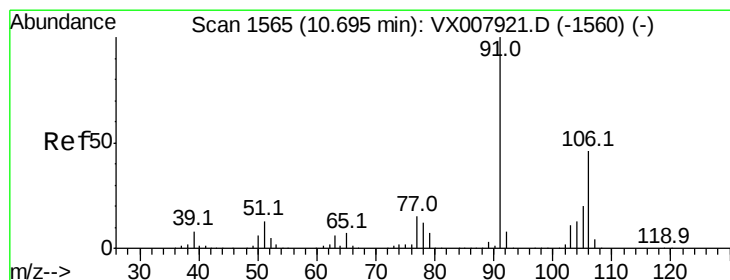
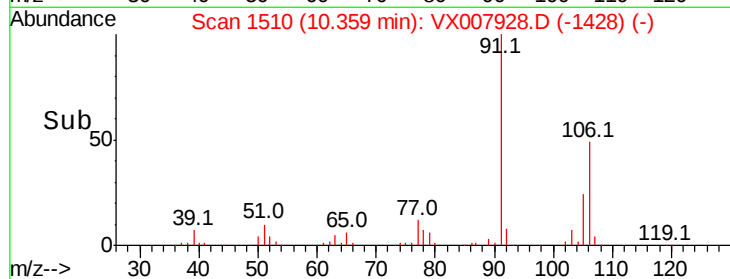
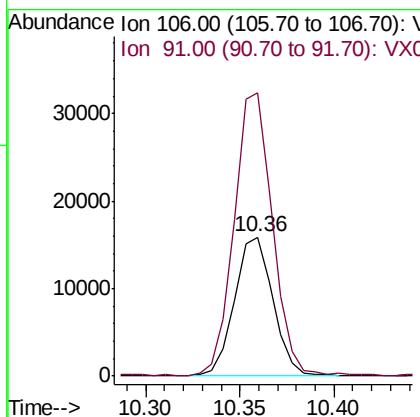
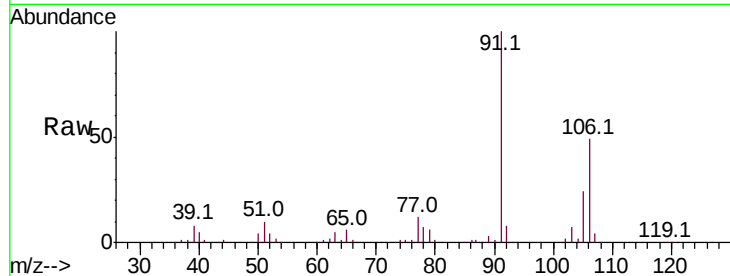
#67
m/p-Xylenes
Concen: 4.407 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion:106 Resp: 22588
Ion Ratio Lower Upper
106 100
91 202.1 157.0 235.4

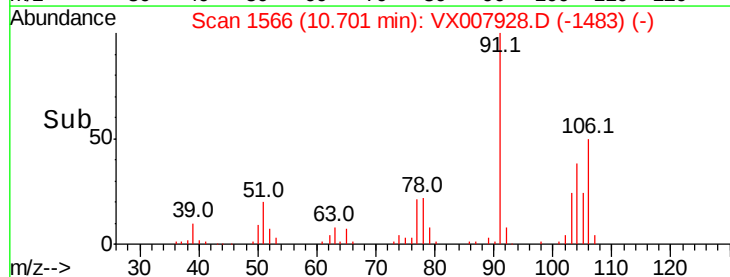
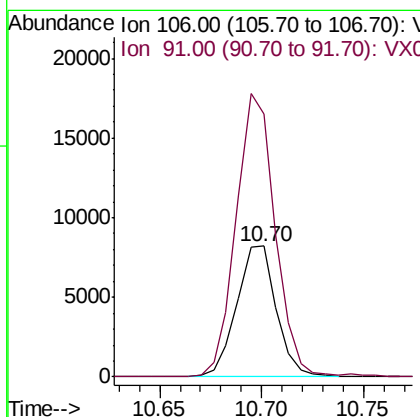
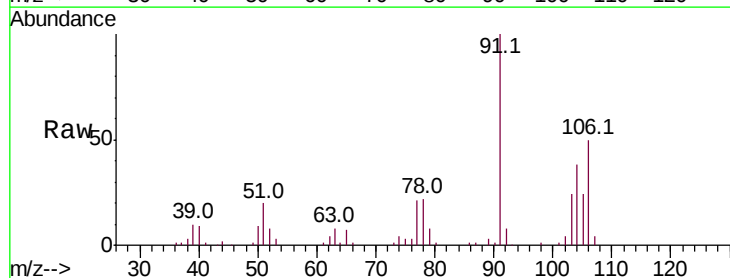
Manual Integrations
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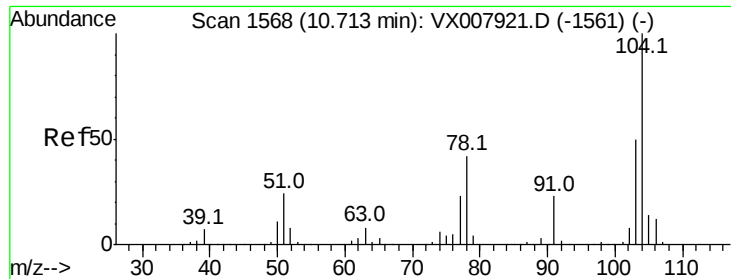
MMDadoda
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#68
o-Xylene
Concen: 2.228 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion:106 Resp: 11087
Ion Ratio Lower Upper
106 100
91 212.7 104.4 313.2





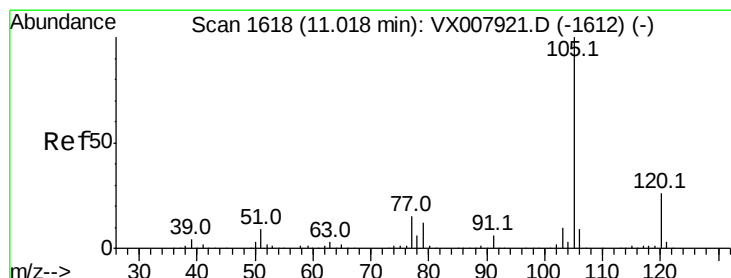
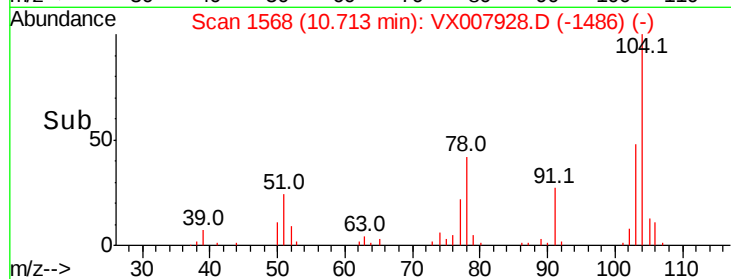
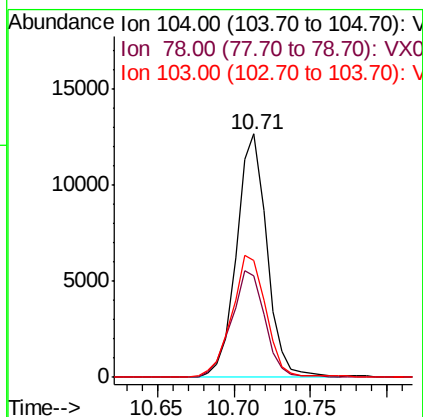
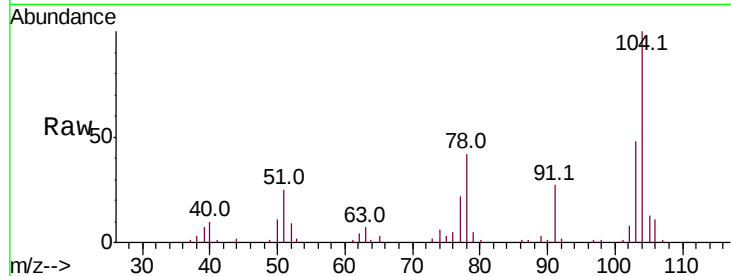
#69
Stvrene
Concen: 2.136 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.2	57.2
103	56.1	45.0	67.4

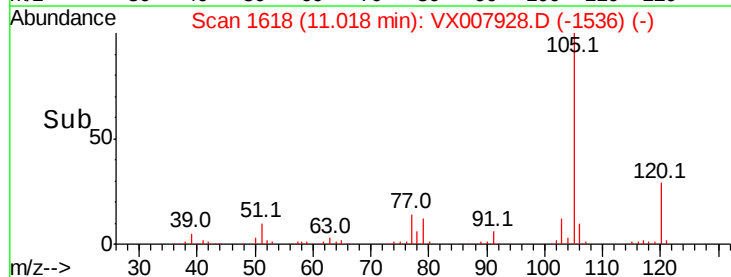
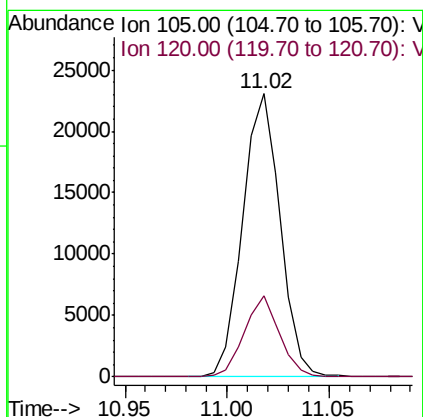
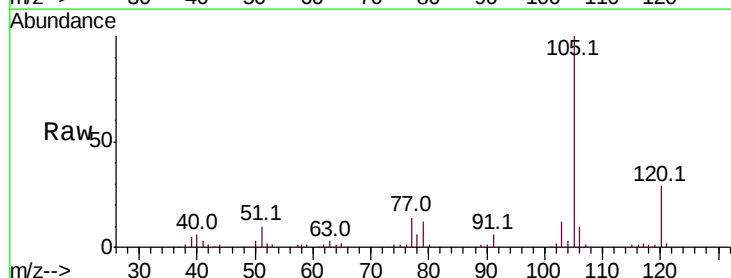
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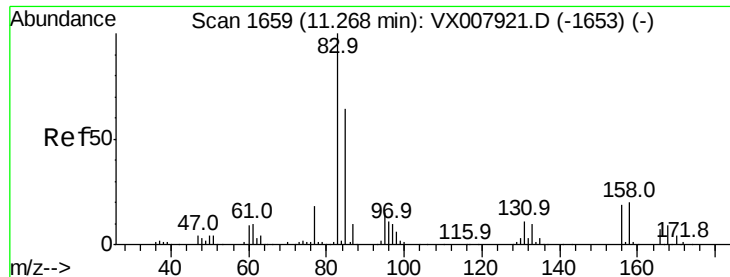
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3/11/2019 12:01:45 PM



#70
Isopropylbenzene
Concen: 2.204 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.8	36.8





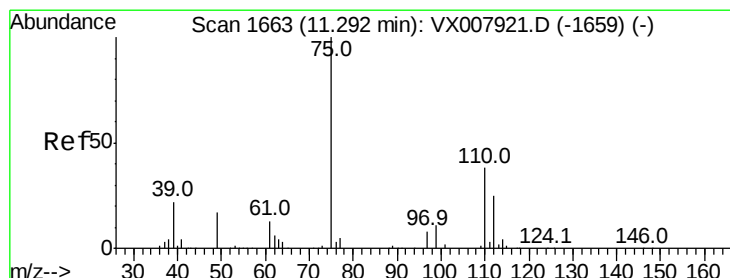
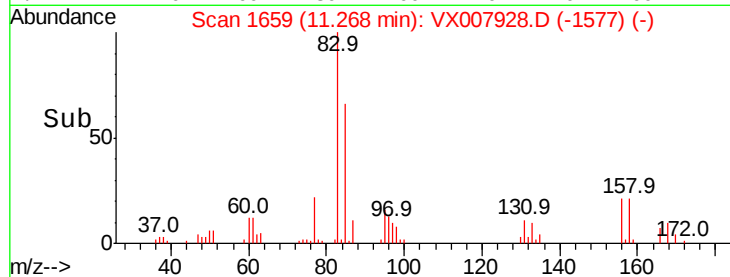
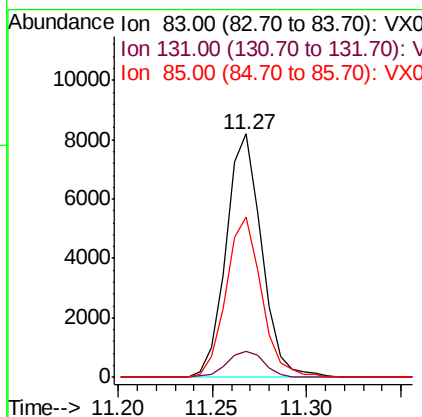
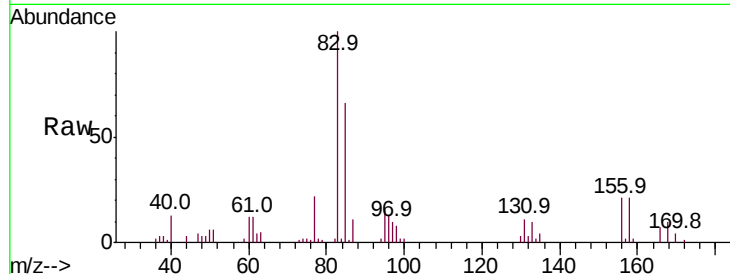
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.445 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	83	Resp	10741
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.4	16.2
85	65.6	32.8	98.4

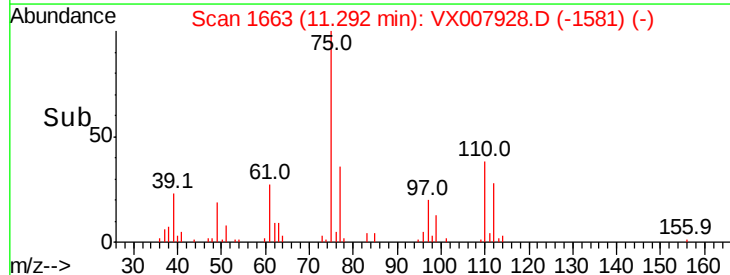
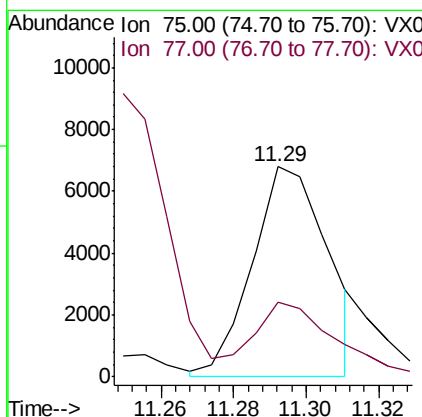
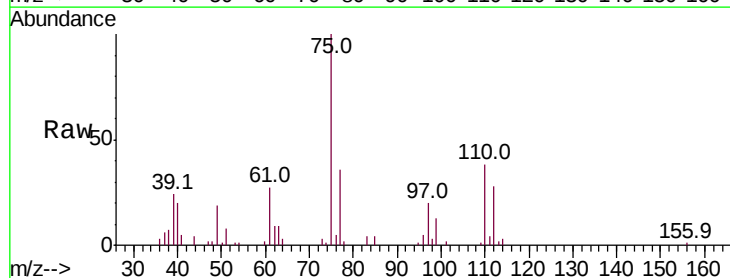
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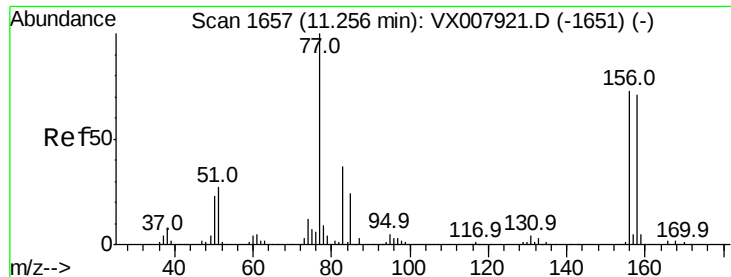
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#72
 1,2,3-Trichloropropane
 Concen: 2.373 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	75	Resp	9824
Ion	Ratio	Lower	Upper
75	100		
77	39.8	0.0	76.4





#73

Bromobenzene

Concen: 2.353 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

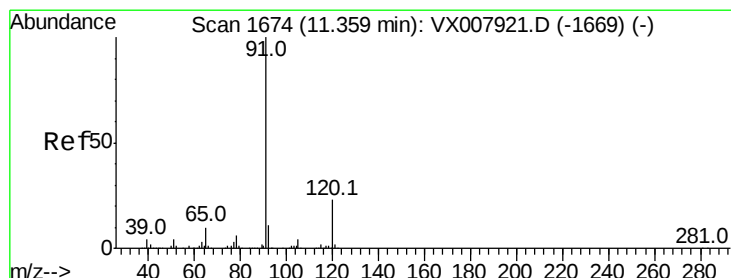
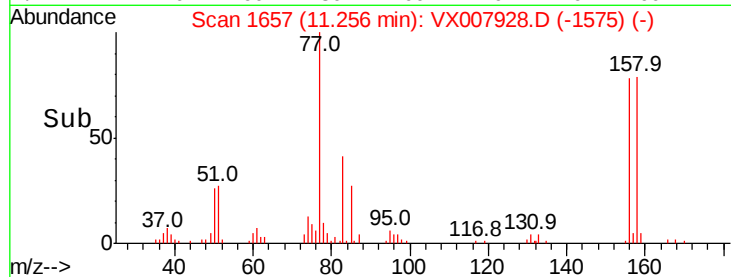
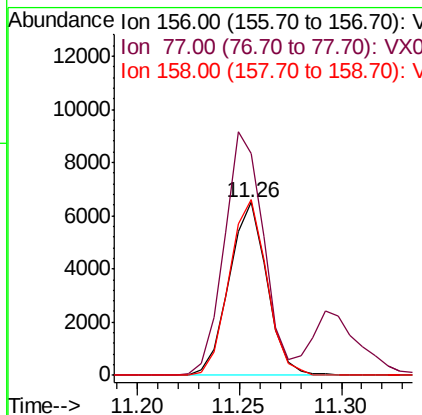
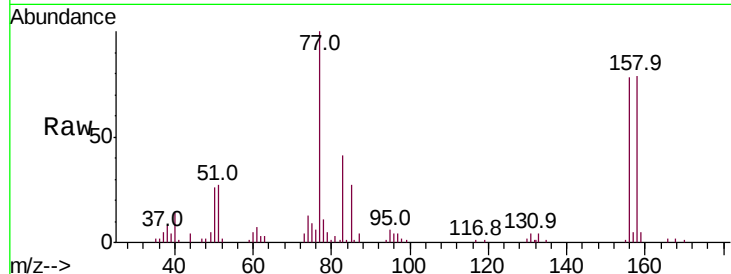
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	156	Resp:	8319
Ion Ratio	Lower	Upper	
156	100		
77	145.8	0.0	271.4
158	101.0	0.0	194.0

Manual Integrations
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#74

n-propylbenzene

Concen: 2.145 ug/l

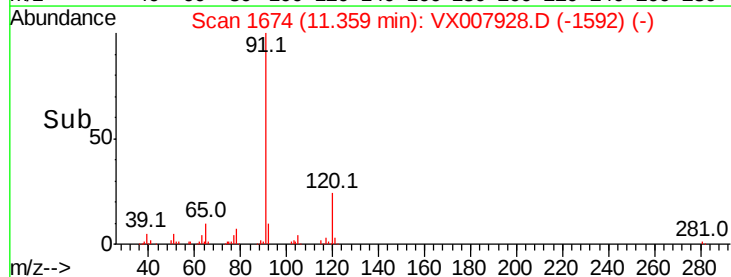
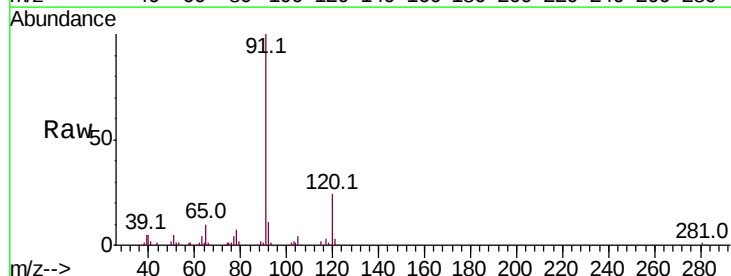
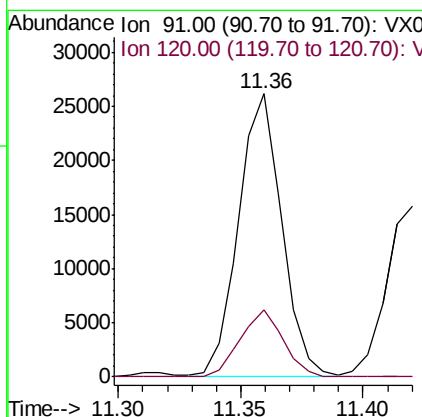
RT: 11.36 min Scan# 1674

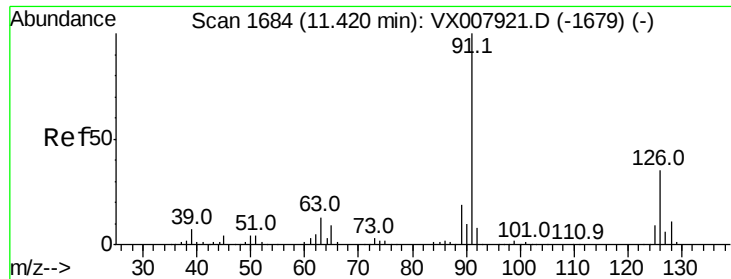
Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	91	Resp:	32186
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	48.6





#75

2-Chlorotoluene

Concen: 2.300 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 20684

Ion Ratio Lower Upper

91 100

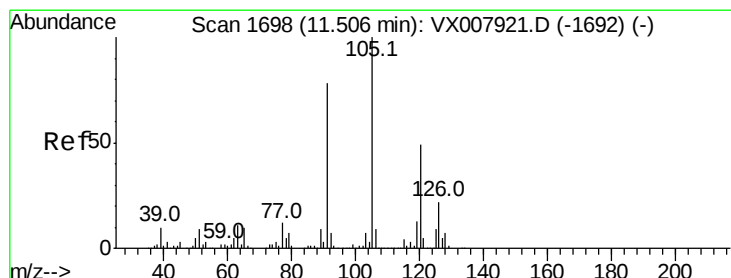
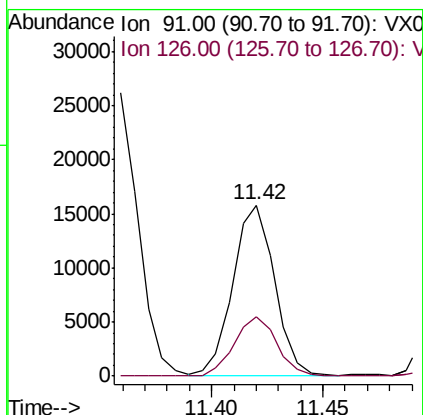
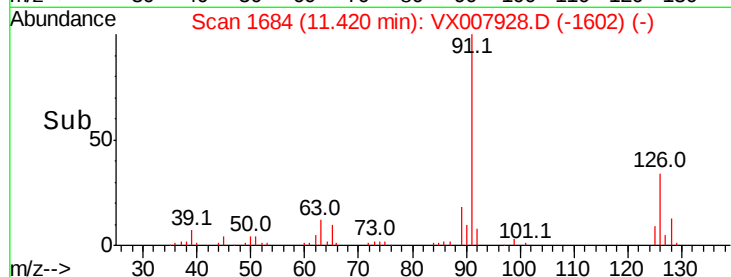
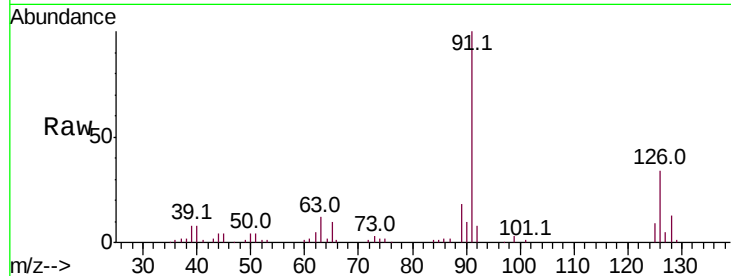
126 34.9 0.0 75.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 2.147 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007928.D

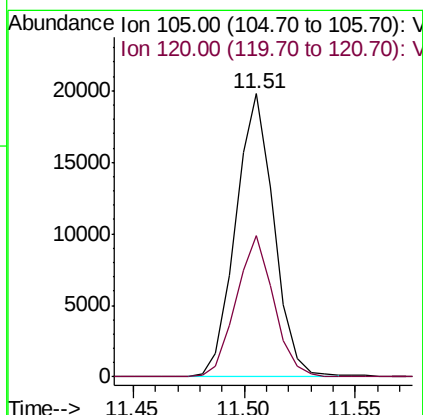
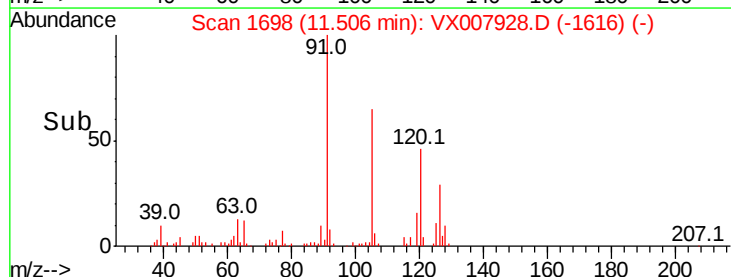
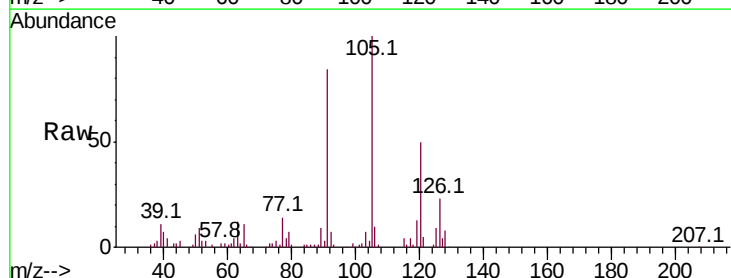
Acq: 08 Mar 2019 13:50

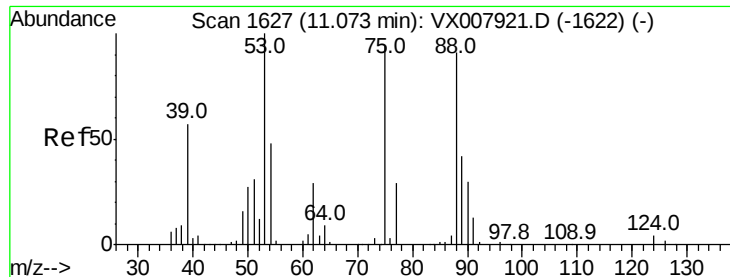
Tgt Ion: 105 Resp: 23661

Ion Ratio Lower Upper

105 100

120 49.2 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 1.736 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 75 Resp: 2221

Ion Ratio Lower Upper

75 100

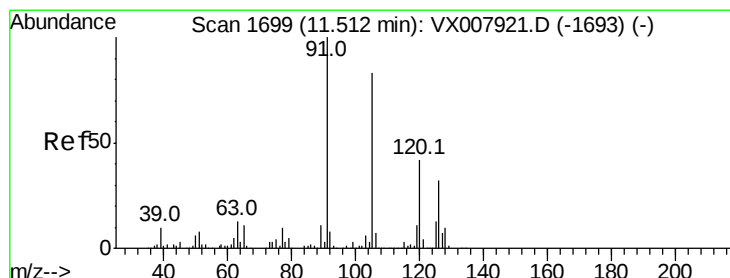
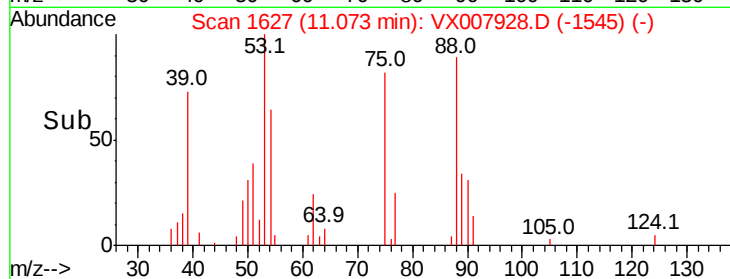
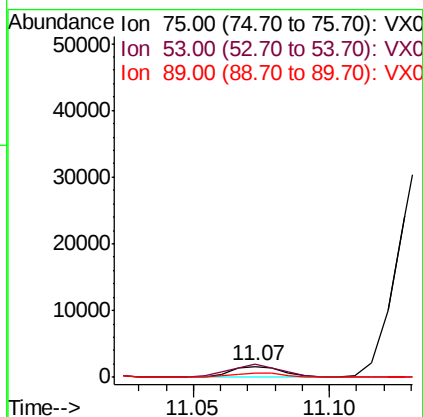
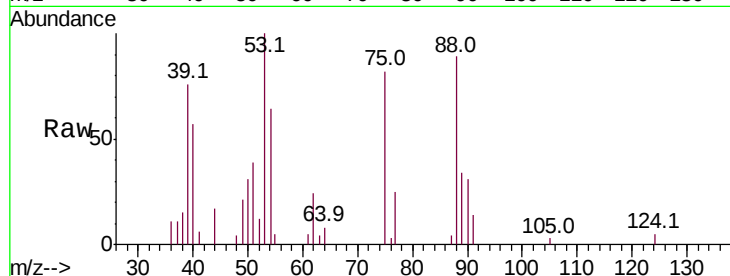
53 119.3 55.5 166.7

89 41.8 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 2.214 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007928.D

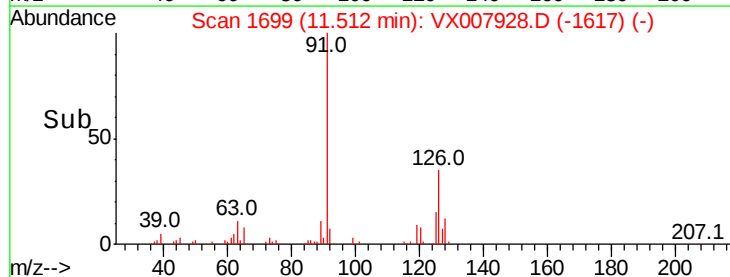
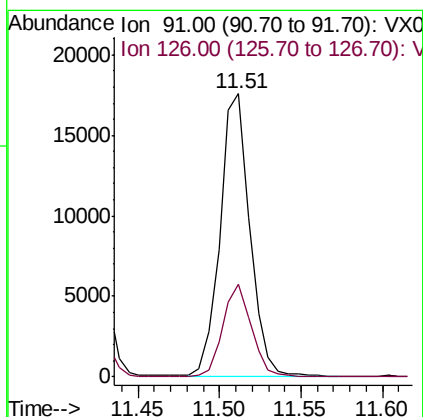
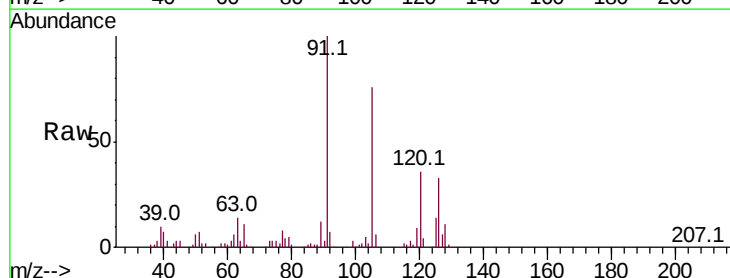
Acq: 08 Mar 2019 13:50

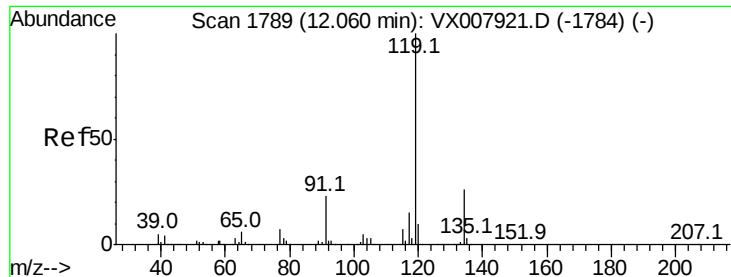
Tgt Ion: 91 Resp: 22512

Ion Ratio Lower Upper

91 100

126 31.1 0.0 66.2





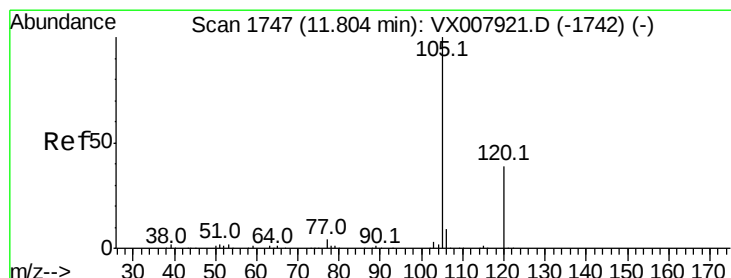
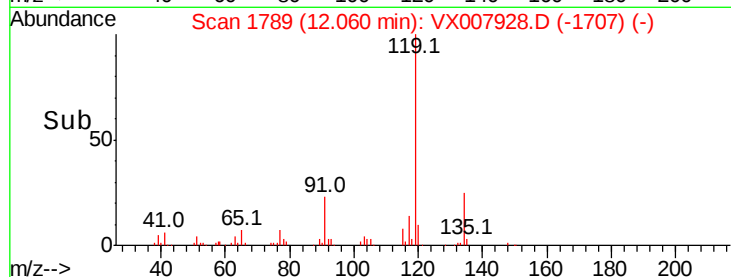
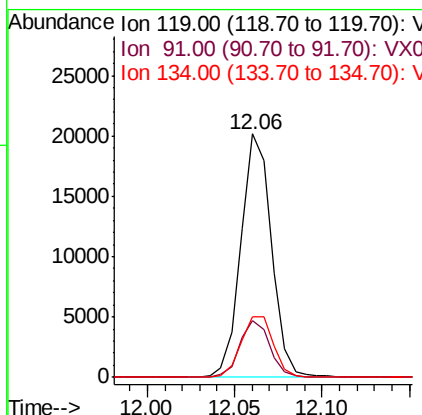
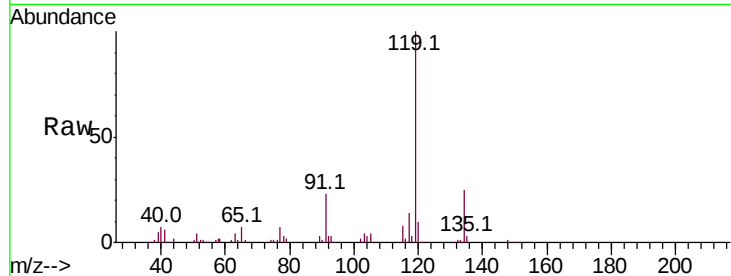
#79
tert-butylbenzene
Concen: 2.073 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	24517		
91	23.0		0.0	45.0
134	26.2		0.0	55.4

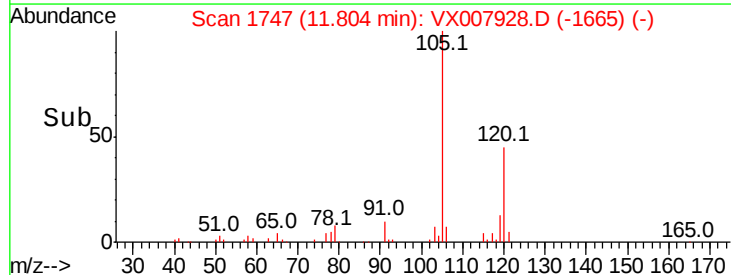
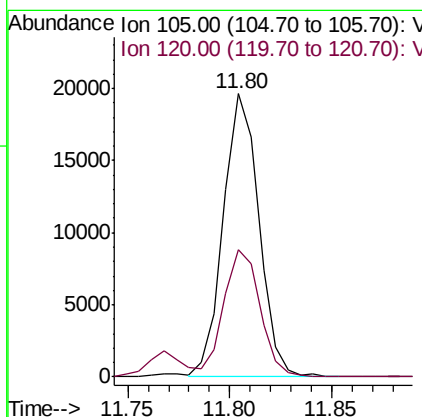
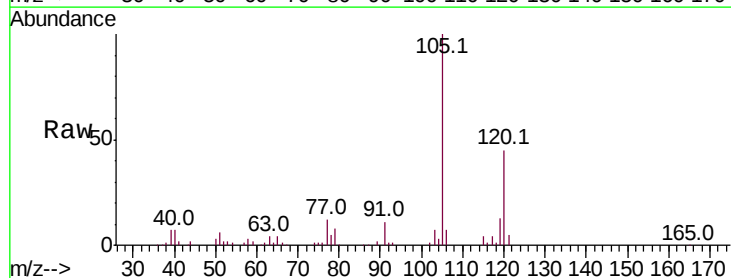
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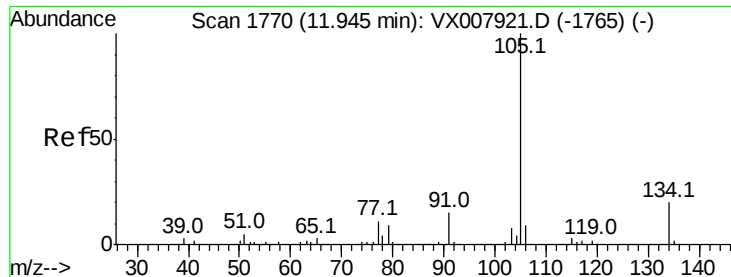
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 2.126 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	23784		
120	45.6		0.0	94.0





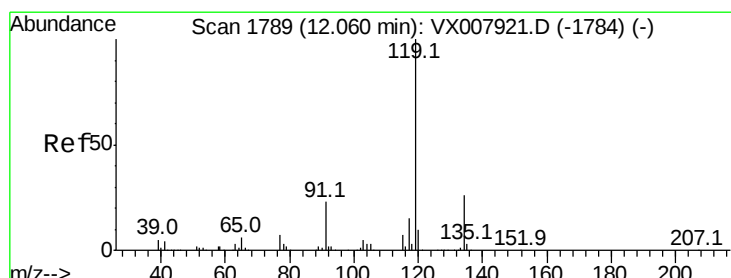
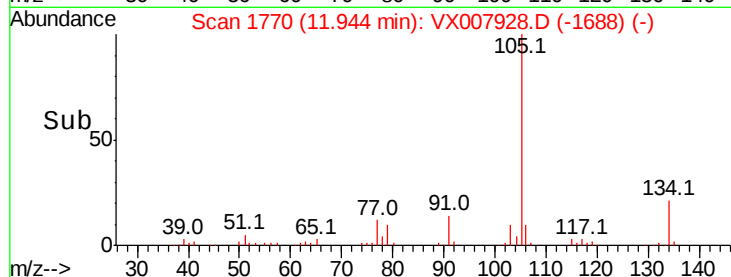
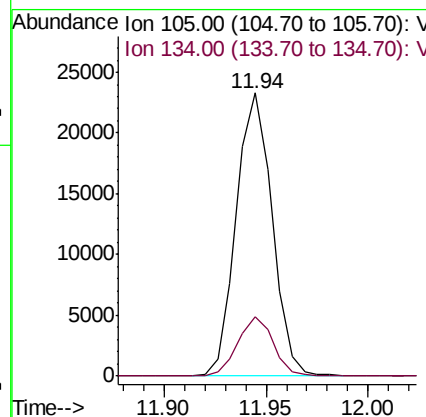
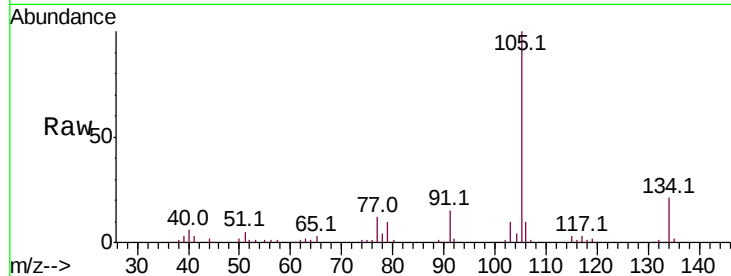
#81
 sec-Butylbenzene
 Concen: 2.143 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	0.0	41.8

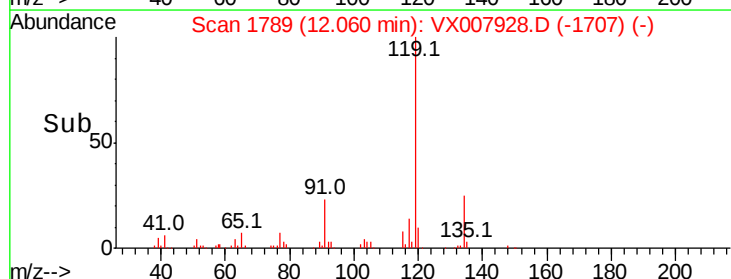
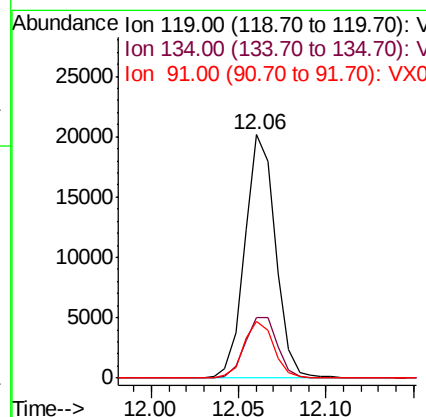
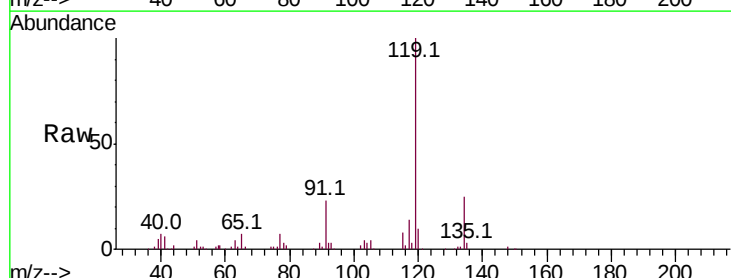
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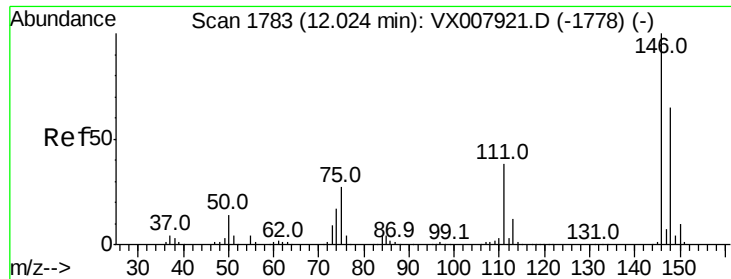
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#82
 p-Isopropyltoluene
 Concen: 2.073 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	55.4
91	23.0	0.0	45.0





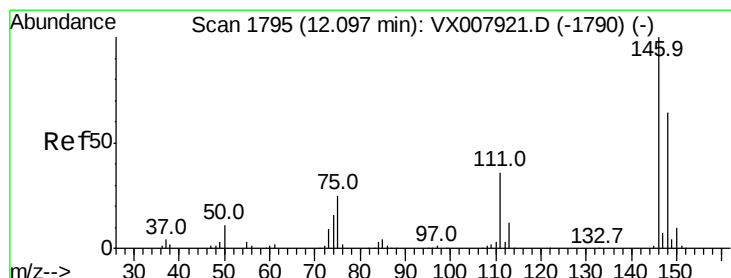
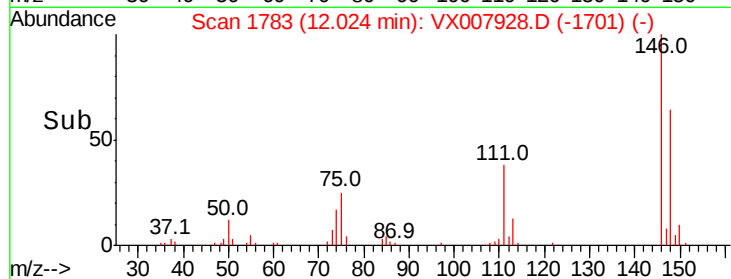
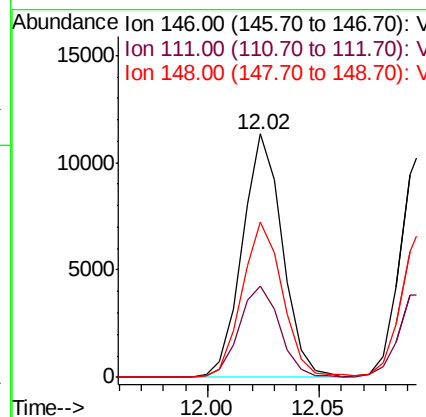
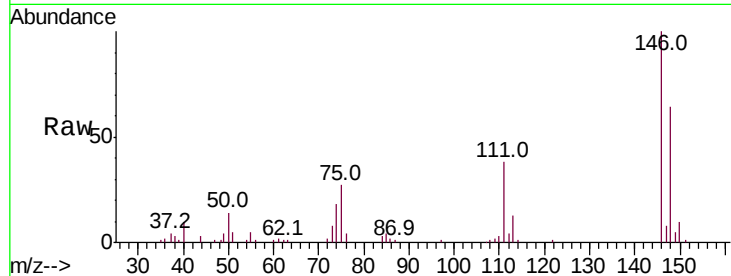
#83
 1,3-Dichlorobenzene
 Concen: 2.257 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.3
148	64.9	30.6	91.8

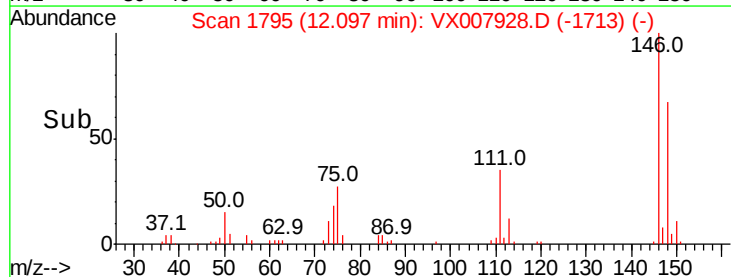
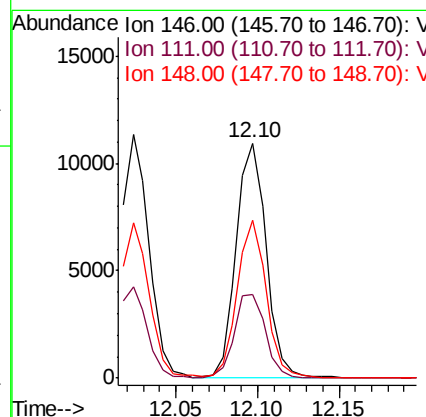
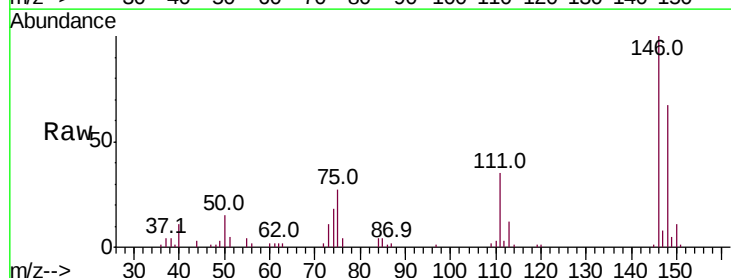
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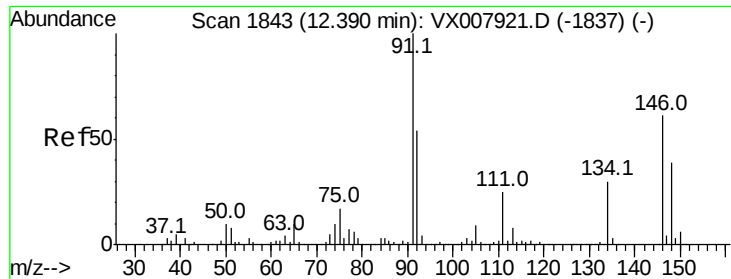
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#84
 1,4-Dichlorobenzene
 Concen: 2.239 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.6	52.8
148	64.6	31.4	94.2





#85

n-Butylbenzene

Concen: 1.918 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Instrument :

MSVOA_X

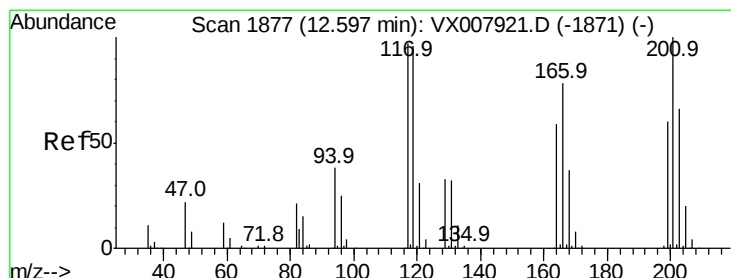
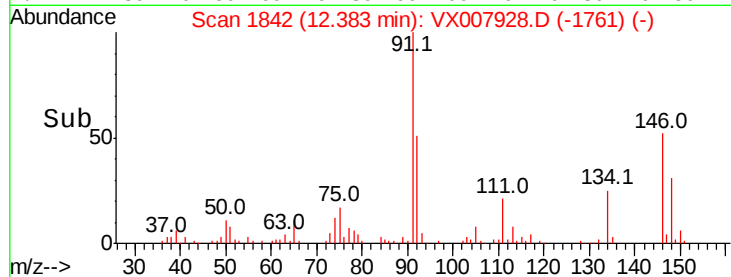
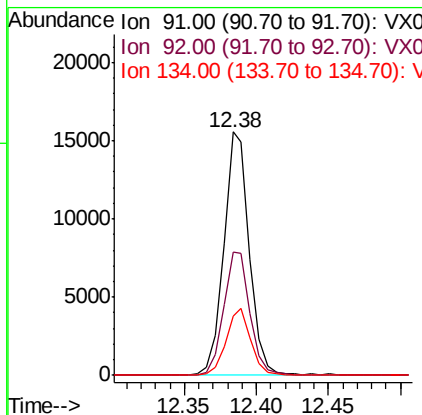
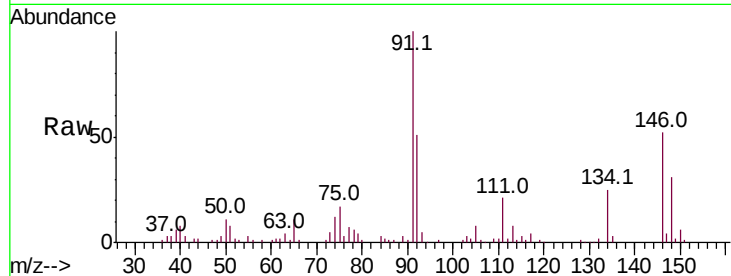
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	91	Resp:	19400
Ion Ratio	Lower	Upper	
91	100		
92	52.0	0.0	105.2
134	26.3	0.0	56.4

Manual Integrations
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#86

Hexachloroethane

Concen: 1.953 ug/l

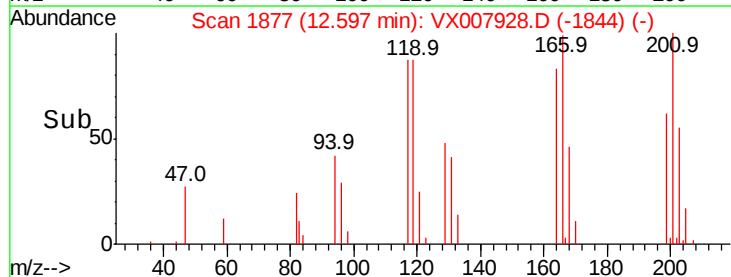
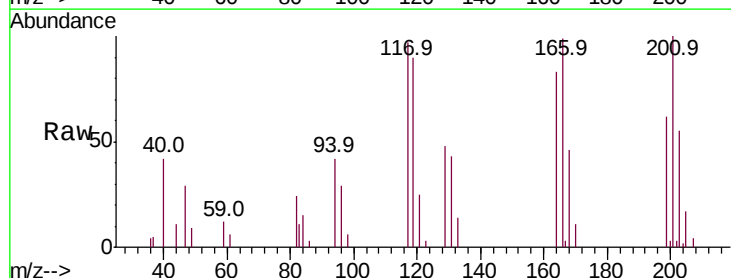
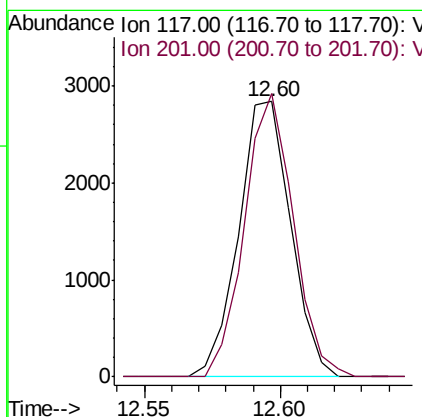
RT: 12.60 min Scan# 1877

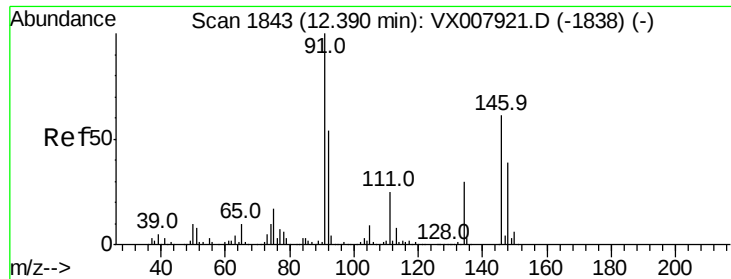
Delta R.T. -0.00 min

Lab File: VX007928.D

Acq: 08 Mar 2019 13:50

Tgt Ion:	117	Resp:	3764
Ion Ratio	Lower	Upper	
117	100		
201	96.5	41.1	123.3





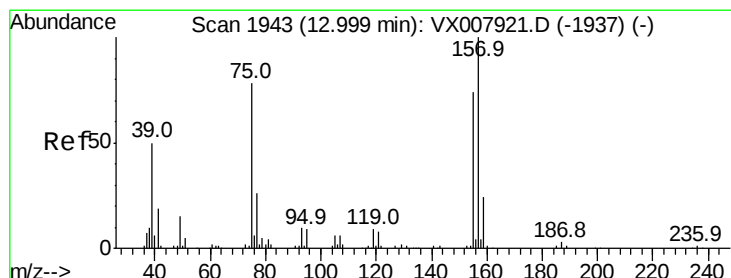
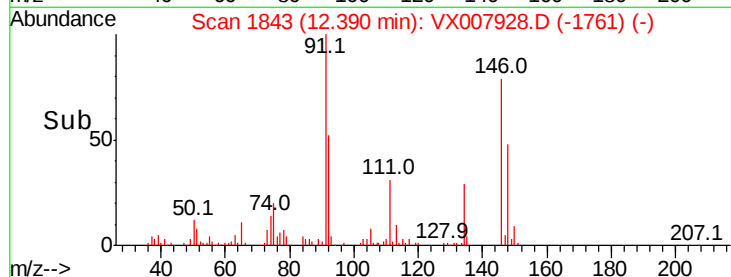
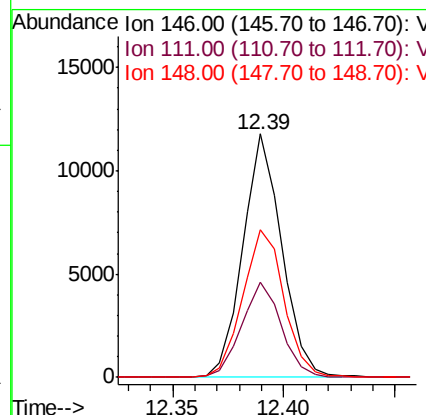
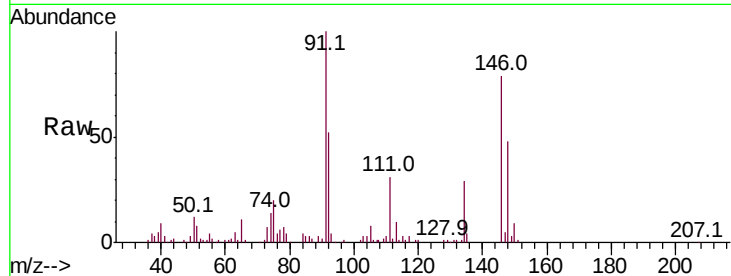
#87
1,2-Dichlorobenzene
Concen: 2.310 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.8
148	64.3	32.1	96.3

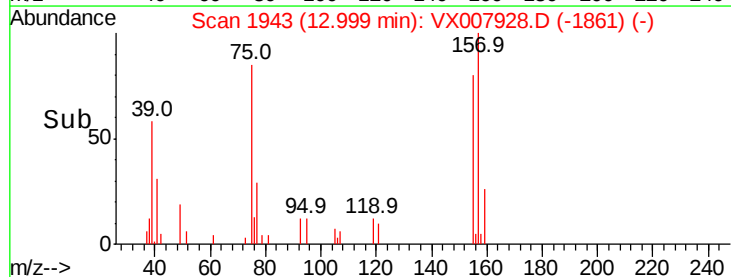
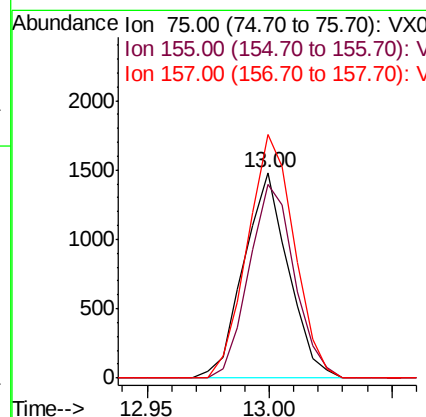
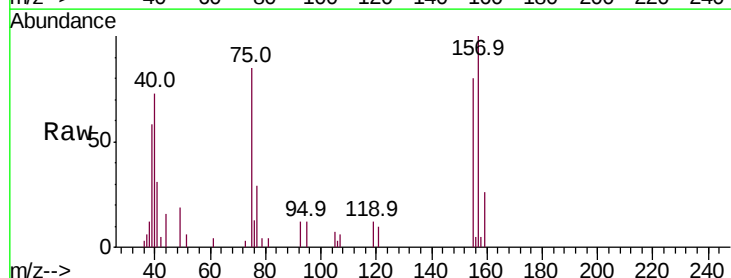
Manual Integrations
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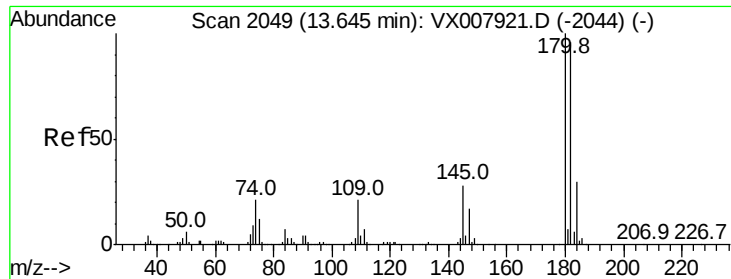
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#88
1,2-Dibromo-3-Chloropropane
Concen: 2.092 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	81.0	121.6
157	123.9	103.2	154.8





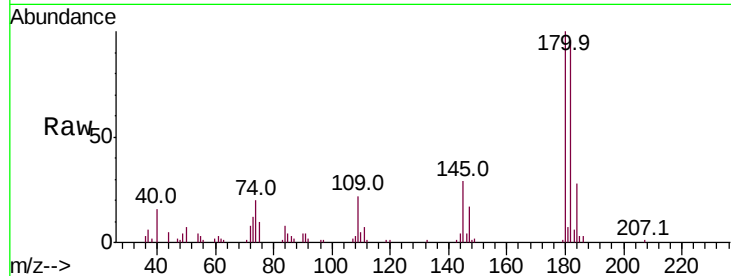
#89
 1,2,4-Trichlorobenzene
 Concen: 1.934 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	75.6	113.4
145	30.0	23.0	34.6

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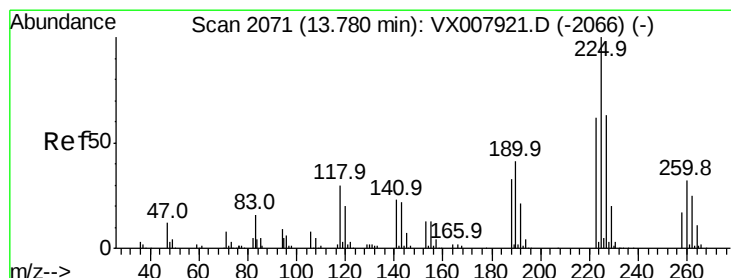
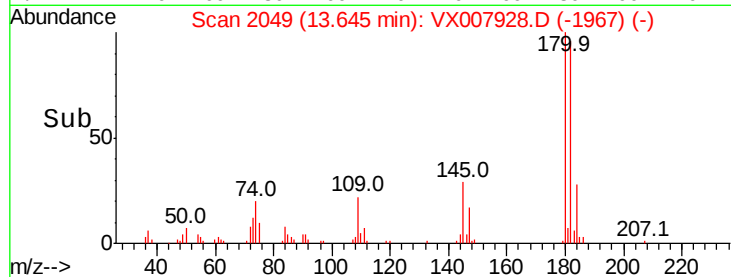
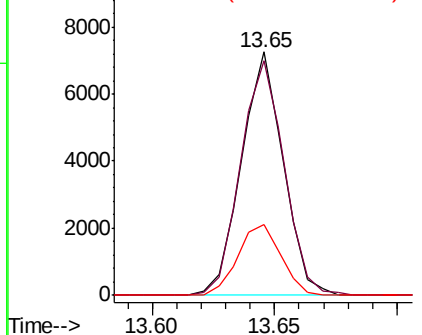


Abundance

Ion 180.00 (179.70 to 180.70): V

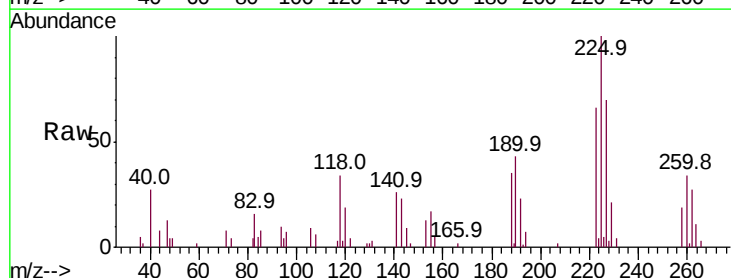
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 2.141 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007928.D
 Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	123.8
227	66.5	0.0	124.4

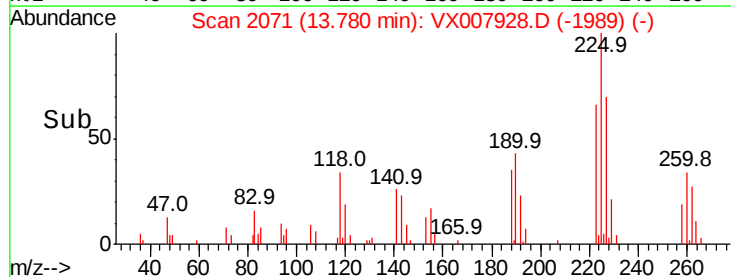
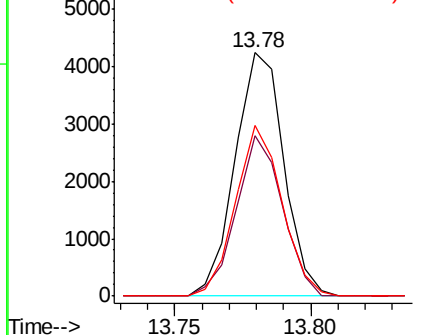


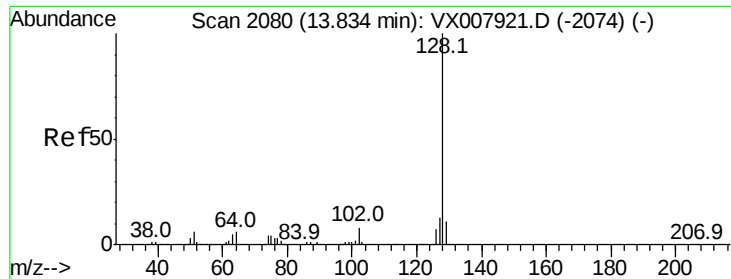
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





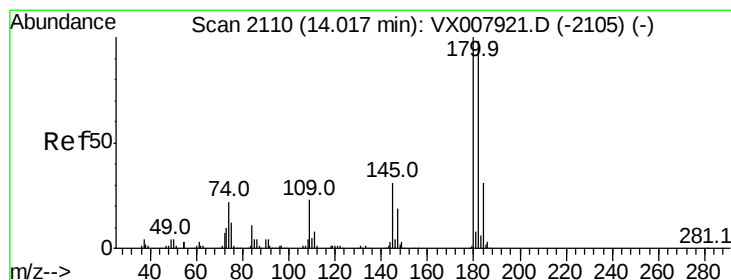
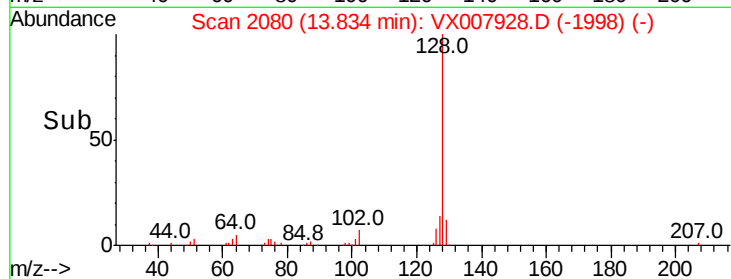
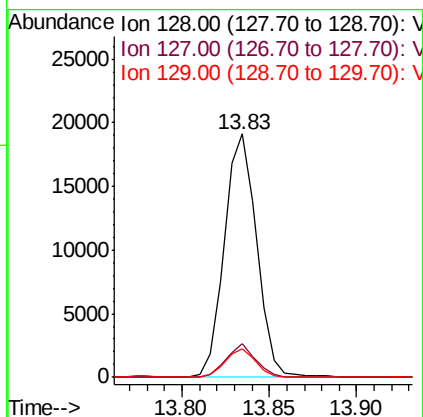
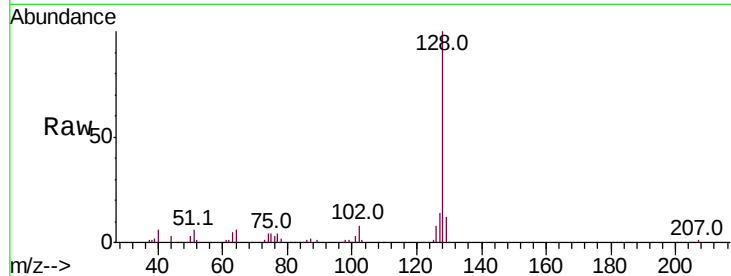
#91
Naphthalene
Concen: 1.915 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 12:01:45 PM



#92
1,2,3-Trichlorobenzene
Concen: 2.029 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007928.D
Acq: 08 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	0.0	193.0
145	30.7	0.0	63.0

