

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010909.D
 Acq On : 16 Jul 2019 16:19
 Operator : JC/SP
 Sample : K3591-07 0.75PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:38 AM

Quant Time: Jul 17 06:38:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 05:51:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330571	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139838	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	106507	45.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.12%	
35) Dibromofluoromethane	5.50	113	93864	44.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.48%	
50) Toluene-d8	8.71	98	358053	45.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.13	95	123839	42.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1004	0.489	ug/l	91
3) Chloromethane	1.33	50	1680	0.831	ug/l	93
4) Vinyl Chloride	1.41	62	1244	0.604	ug/l	99
5) Bromomethane	1.64	94	1717	1.478	ug/l	81
6) Chloroethane	1.72	64	1412	1.078	ug/l #	77
7) Trichlorofluoromethane	1.93	101	2556	0.733	ug/l #	80
8) Diethyl Ether	2.18	74	904	0.752	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1546	0.776	ug/l	91
10) Methyl Iodide	2.52	142	1361	0.521	ug/l	98
11) Tert butyl alcohol	3.03	59	5341	9.810	ug/l #	92
12) 1,1-Dichloroethene	2.37	96	1205	0.616	ug/l #	92
13) Acrolein	2.29	56	1414	4.495	ug/l	86
14) Allyl chloride	2.73	41	2384	0.838	ug/l #	94
15) Acrylonitrile	3.15	53	3978	3.616	ug/l	97
16) Acetone	2.44	43	3601	3.410	ug/l #	87
17) Carbon Disulfide	2.57	76	4126	0.822	ug/l	98
18) Methyl Acetate	2.78	43	2361	0.982	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	3963	0.629	ug/l #	90
20) Methylene Chloride	2.86	84	1801	0.805	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	1623	0.781	ug/l	95
22) Diisopropyl ether	3.85	45	4367	0.728	ug/l #	90
23) Vinyl Acetate	3.82	43	13842	2.724	ug/l	99
24) 1,1-Dichloroethane	3.69	63	2546	0.731	ug/l #	85
25) 2-Butanone	4.68	43	5029	3.318	ug/l	98
26) 2,2-Dichloropropane	4.59	77	1888	0.660	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	1817	0.756	ug/l	94
28) Bromochloromethane	5.03	49	1689	1.029	ug/l #	75
29) Tetrahydrofuran	5.14	42	2627	2.736	ug/l #	81
30) Chloroform	5.21	83	3071	0.816	ug/l #	76
31) Cyclohexane	5.57	56	2334	0.735	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	2064	0.634	ug/l #	44
36) 1,1-Dichloropropene	5.80	75	2177	0.802	ug/l #	61
37) Ethyl Acetate	4.85	43	2168	0.780	ug/l #	77
38) Carbon Tetrachloride	5.78	117	1931	0.682	ug/l #	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2157	0.613	ug/l	89
40) Benzene	6.14	78	5901	0.709	ug/l	95
41) Methacrylonitrile	5.05	41	950	0.602	ug/l #	50
42) 1,2-Dichloroethane	6.20	62	2391	0.827	ug/l #	73
43) Isopropyl Acetate	6.45	43	2996	0.655	ug/l #	93
44) Trichloroethene	7.21	130	1670	0.678	ug/l	80
45) 1,2-Dichloropropane	7.52	63	1565	0.739	ug/l	92
46) Dibromomethane	7.67	93	953	0.630	ug/l	97
47) Bromodichloromethane	7.90	83	1603	0.595	ug/l #	80
48) Methyl methacrylate	7.77	41	1422	0.638	ug/l	99
49) 1,4-Dioxane	7.75	88	955	15.329	ug/l #	39
51) 4-Methyl-2-Pentanone	8.64	43	9065	3.059	ug/l	99
52) Toluene	8.78	92	3578	0.655	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	1513	0.523	ug/l	95
54) cis-1,3-Dichloropropene	8.44	75	1895	0.588	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	1494	0.664	ug/l	90
56) Ethyl methacrylate	9.18	69	1927	0.586	ug/l #	87
57) 1,3-Dichloropropane	9.37	76	2348	0.658	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.31	63	4151	2.642	ug/l	92
59) 2-Hexanone	9.49	43	6074	2.642	ug/l	95
60) Dibromochloromethane	9.58	129	1143	0.502	ug/l	94
61) 1,2-Dibromoethane	9.67	107	1508	0.632	ug/l	92
64) Tetrachloroethene	9.33	164	1702	0.745	ug/l	86
65) Chlorobenzene	10.13	112	4159	0.697	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.21	131	1320	0.630	ug/l #	63
67) Ethyl Benzene	10.25	91	6521	0.642	ug/l	96
68) m/p-Xylenes	10.35	106	5221	1.340	ug/l	95
69) o-Xylene	10.69	106	2702	0.711	ug/l	87
70) Styrene	10.71	104	3729	0.588	ug/l	94
71) Bromoform	10.86	173	799	0.478	ug/l #	93
73) Isopropylbenzene	11.02	105	6109	0.647	ug/l	97
74) N-amyl acetate	10.90	43	2272	0.629	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	2046	0.662	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	1860m	0.737	ug/l	
77) Bromobenzene	11.26	156	1799	0.690	ug/l	94
78) n-propylbenzene	11.36	91	6589	0.631	ug/l	93
79) 2-Chlorotoluene	11.42	91	4524	0.721	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	5098	0.646	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	450m	0.491	ug/l	
82) 4-Chlorotoluene	11.51	91	4935	0.676	ug/l	92
83) tert-Butylbenzene	11.77	119	4790	0.618	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	5096	0.640	ug/l	96
85) sec-Butylbenzene	11.94	105	5552	0.611	ug/l	91
86) p-Isopropyltoluene	12.06	119	5035	0.599	ug/l #	85
87) 1,3-Dichlorobenzene	12.02	146	3216	0.711	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	3570m	0.770	ug/l	
89) n-Butylbenzene	12.38	91	4500	0.626	ug/l	97
90) Hexachloroethane	12.59	117	785	0.592	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	3063	0.683	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	452	0.699	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2124	0.699	ug/l	96
94) Hexachlorobutadiene	13.78	225	1104	0.733	ug/l	98
95) Naphthalene	13.83	128	5407	0.603	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2113	0.699	ug/l	94

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

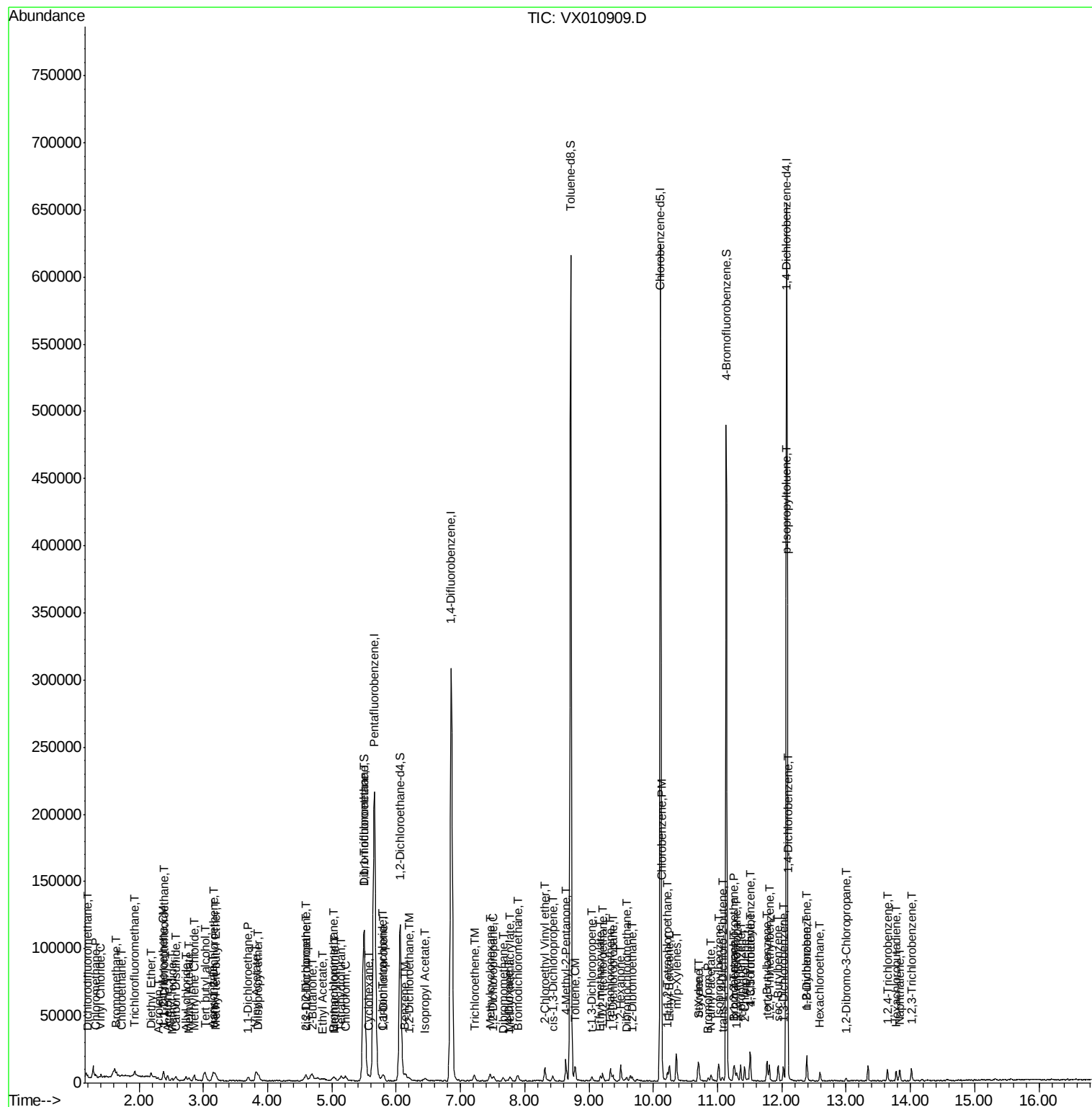
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Data File : VX010909.D
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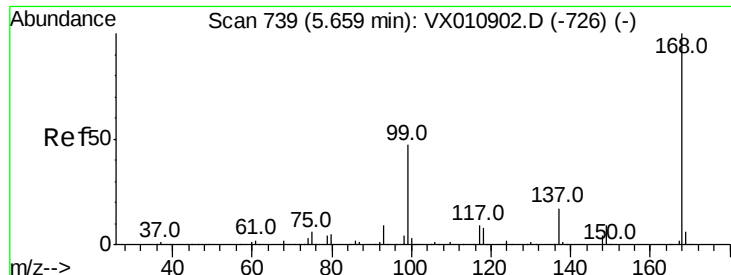
Instrument :
MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 219752

Ion Ratio Lower Upper

168 100

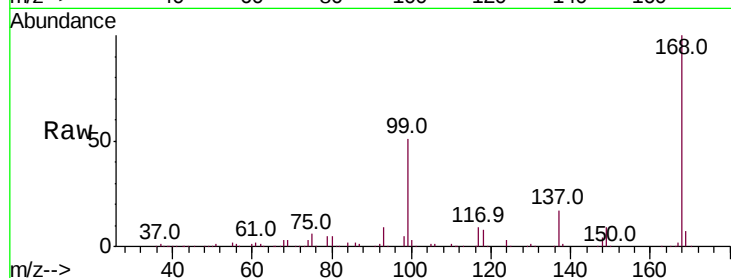
99 51.4 37.6 56.4

Manual Integrations

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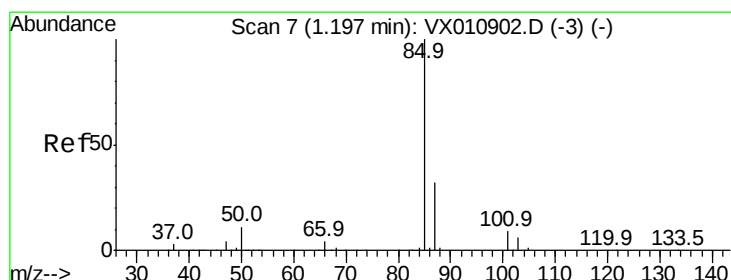
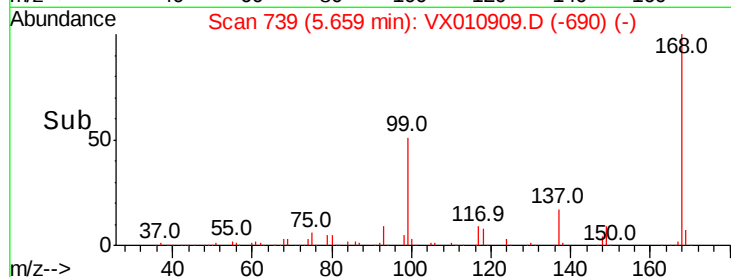
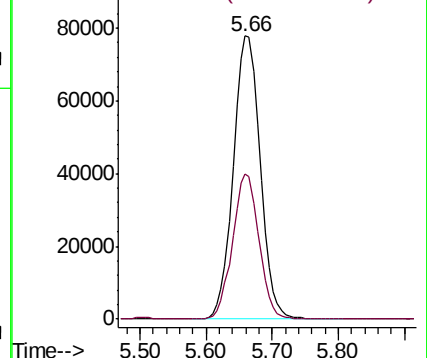
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.489 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010909.D

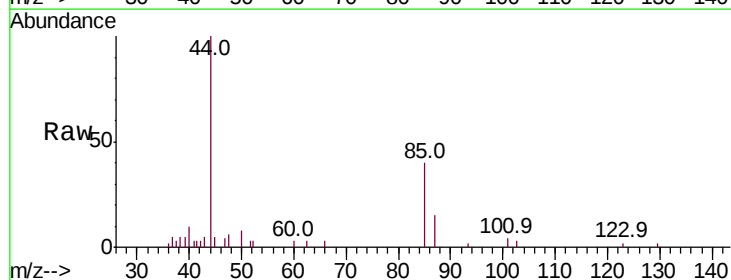
Acq: 16 Jul 2019 16:19

Tgt Ion: 85 Resp: 1004

Ion Ratio Lower Upper

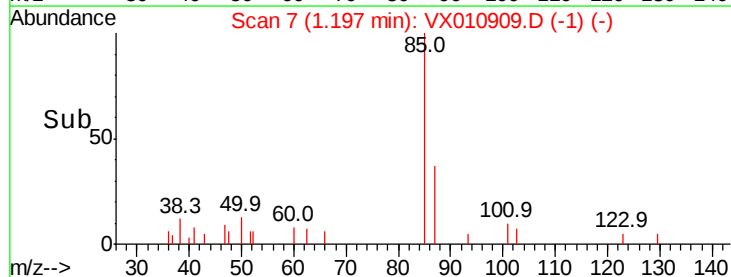
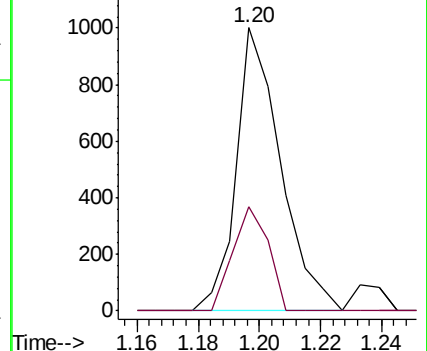
85 100

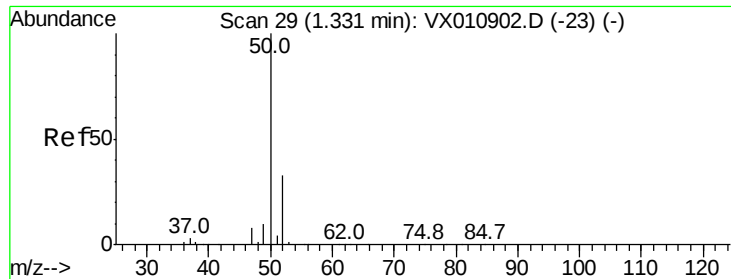
87 37.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.831 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 50 Resp: 1680

Ion Ratio Lower Upper

50 100

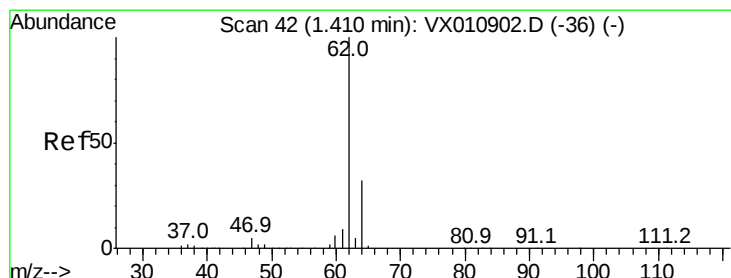
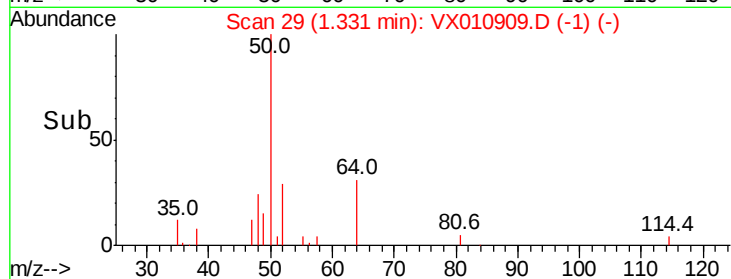
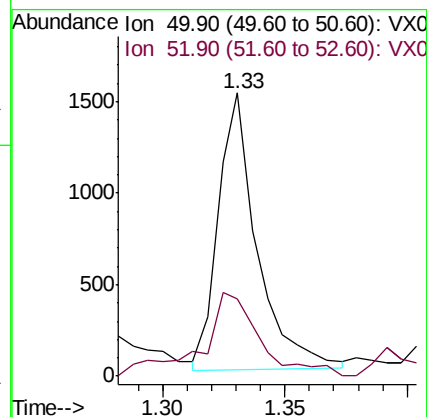
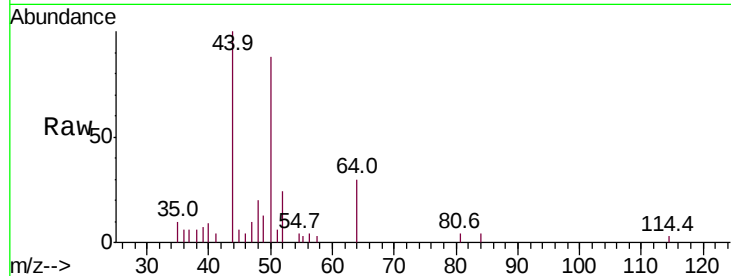
52 28.9 26.4 39.6

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#4

Vinyl Chloride

Concen: 0.604 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010909.D

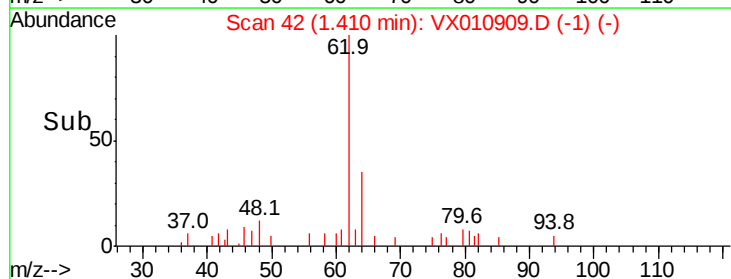
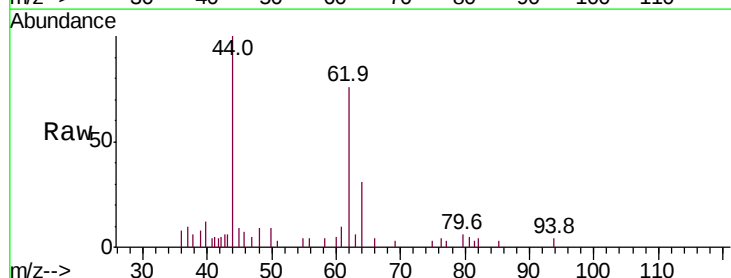
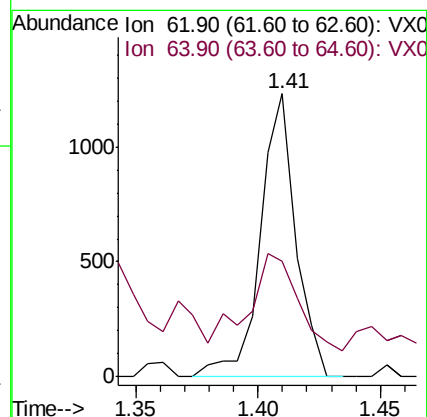
Acq: 16 Jul 2019 16:19

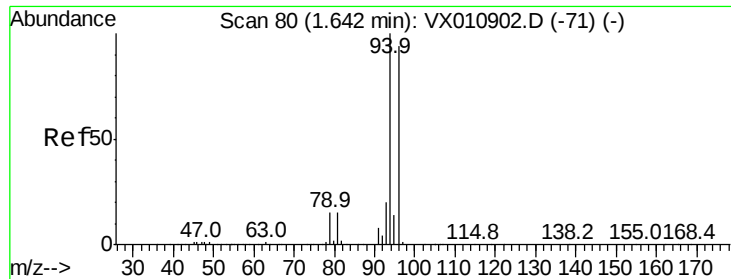
Tgt Ion: 62 Resp: 1244

Ion Ratio Lower Upper

62 100

64 31.8 25.7 38.5





#5

Bromomethane

Concen: 1.478 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

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Tot Ion: 94 Resp: 1717

Ion Ratio Lower Upper

94 100

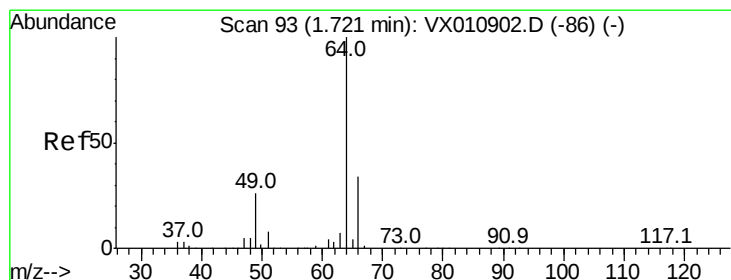
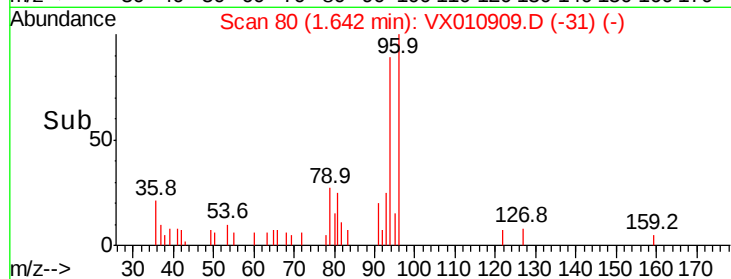
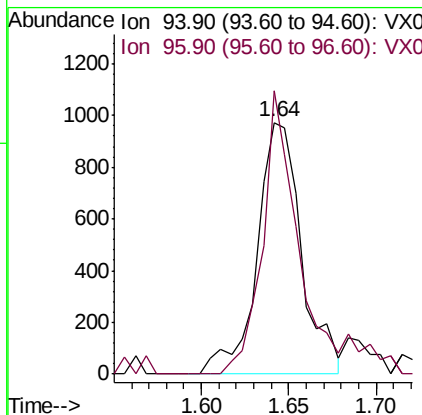
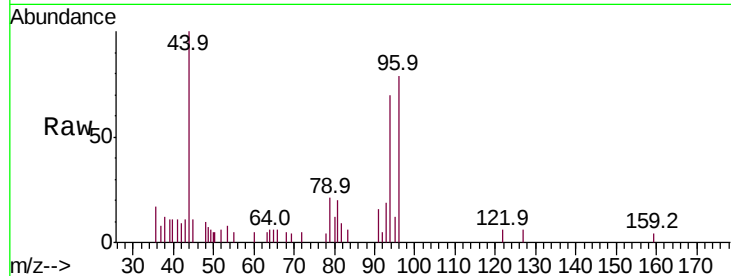
96 112.6 75.6 113.4

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#6

Chloroethane

Concen: 1.078 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX010909.D

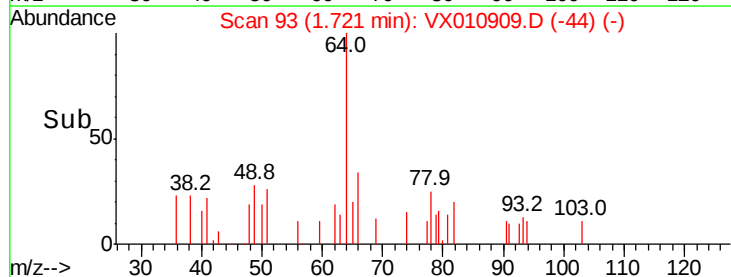
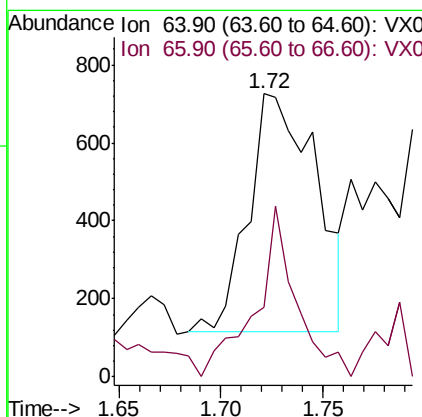
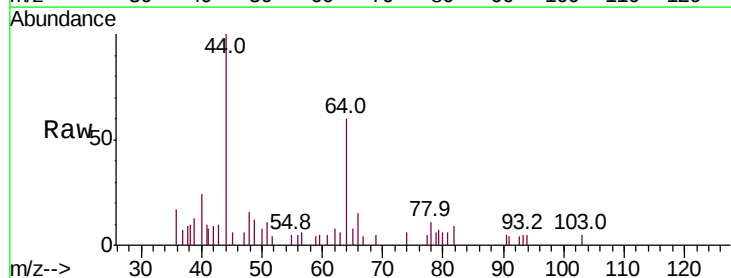
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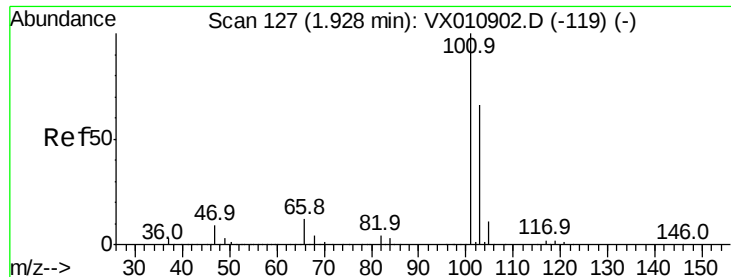
Tgt Ion: 64 Resp: 1412

Ion Ratio Lower Upper

64 100

66 20.8 27.0 40.6#





#7

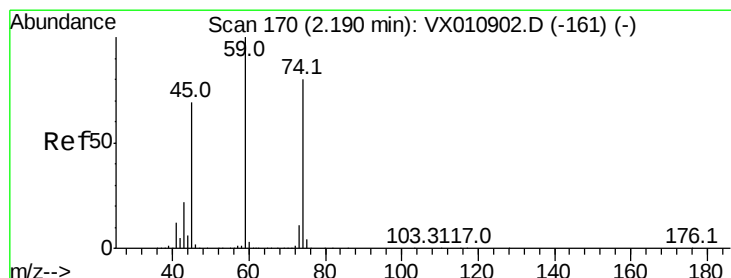
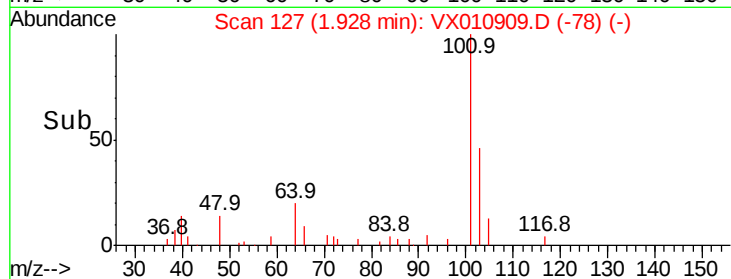
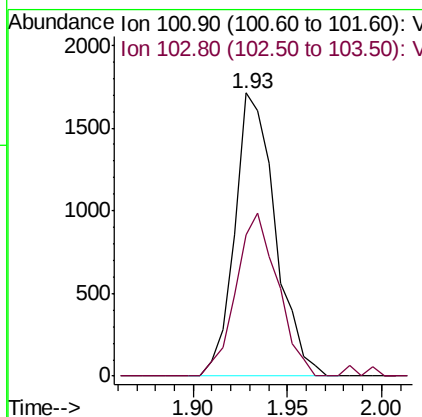
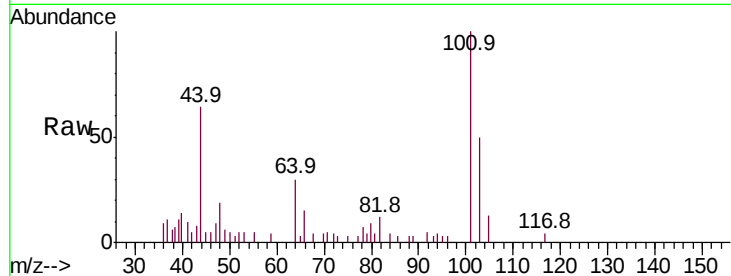
Trichlorofluoromethane
 Concen: 0.733 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	50.1	52.6	78.8#

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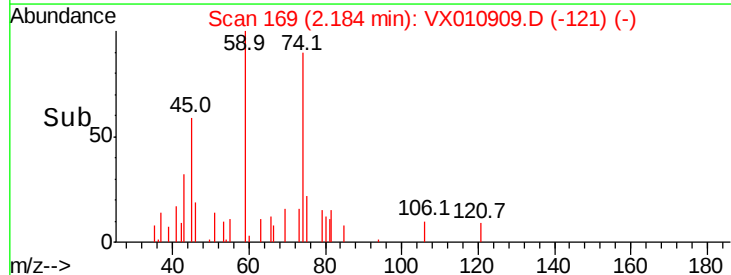
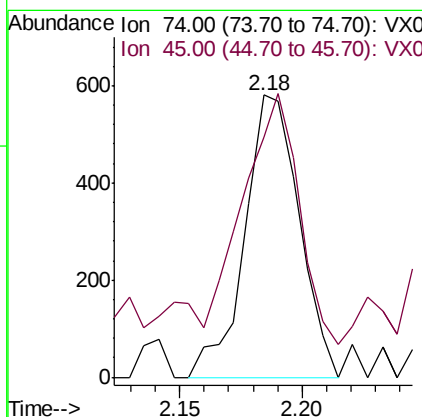
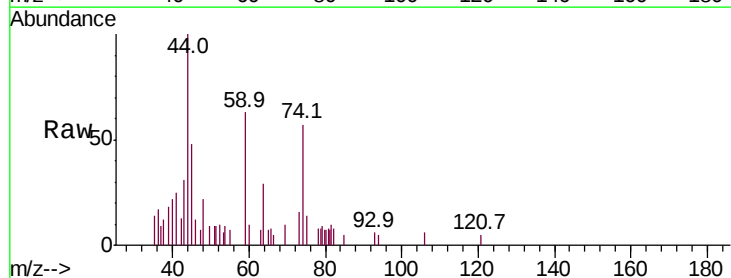
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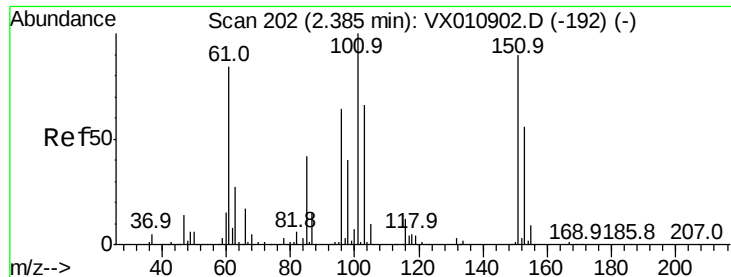


#8

Diethyl Ether
 Concen: 0.752 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.776 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

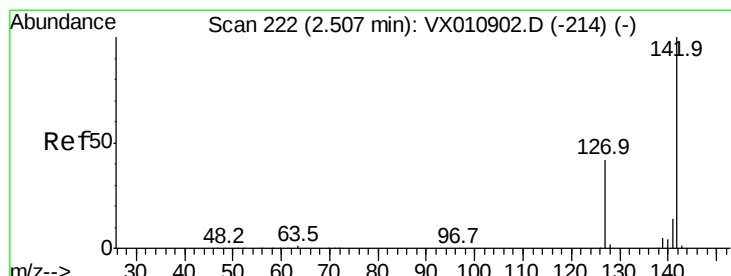
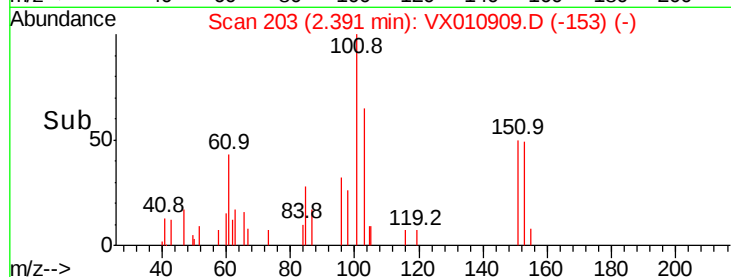
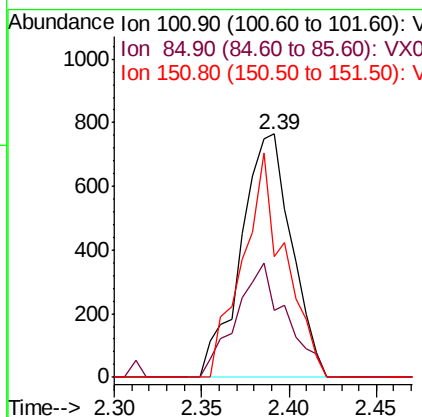
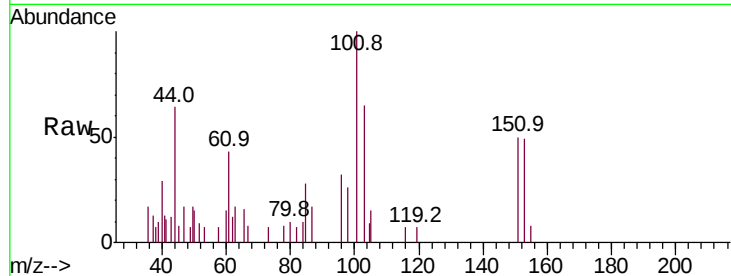
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	101	Resp:	1546
Ion Ratio	Lower	Upper	
101	100		
85	46.1	34.6	52.0
151	76.8	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 0.521 ug/l

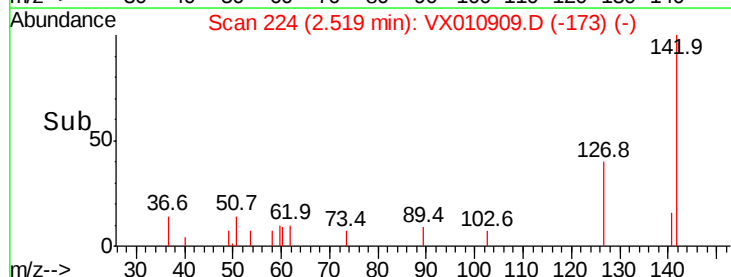
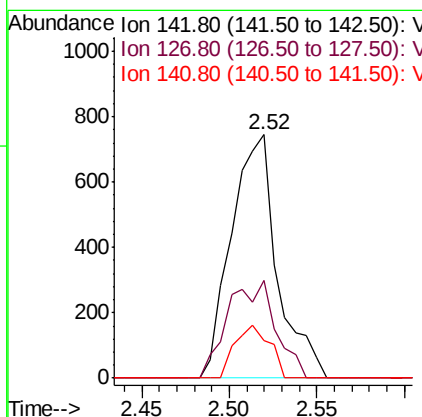
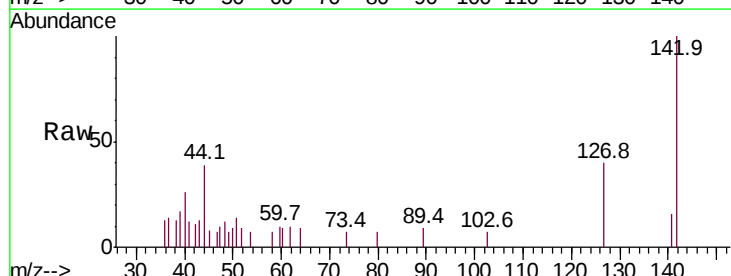
RT: 2.52 min Scan# 224

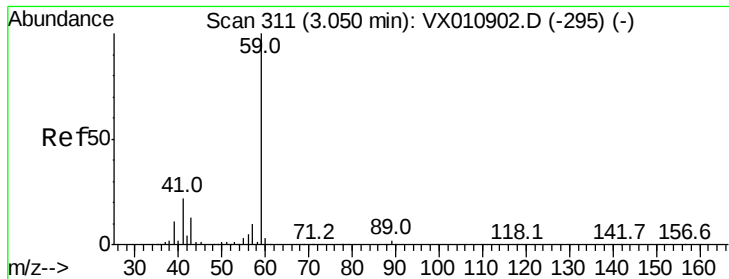
Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	142	Resp:	1361
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.2	51.4
141	16.5	11.7	17.5





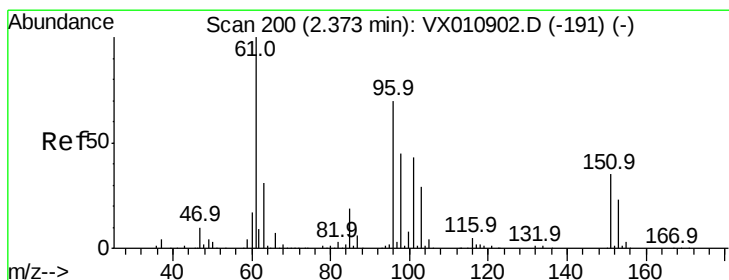
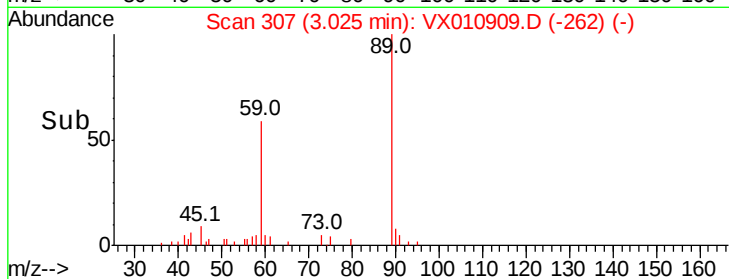
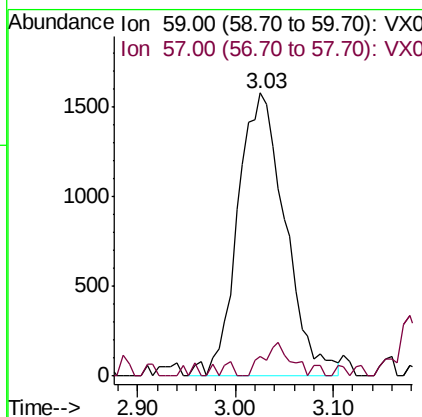
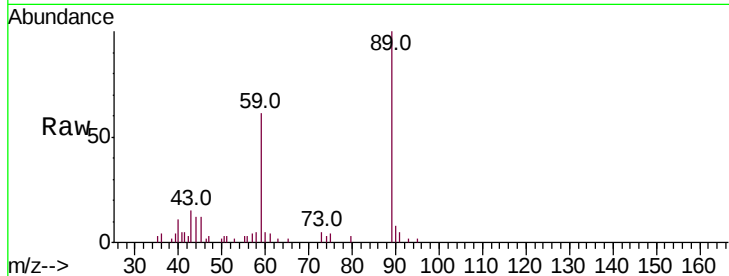
#11
Tert butyl alcohol
Concen: 9.810 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.8	7.9	11.9#

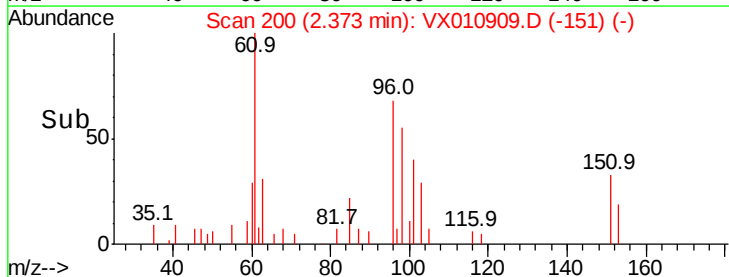
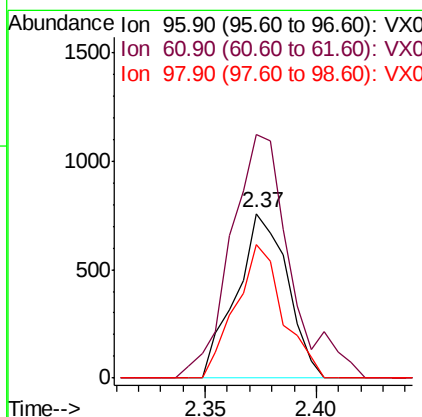
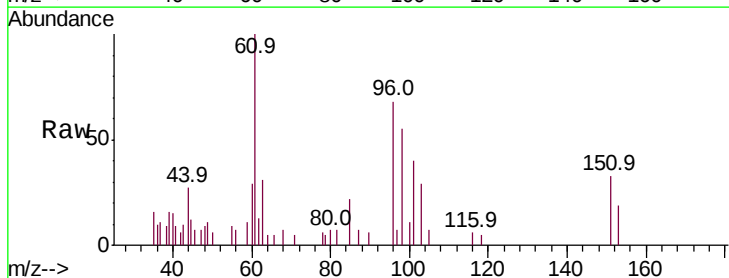
Manual Integrations
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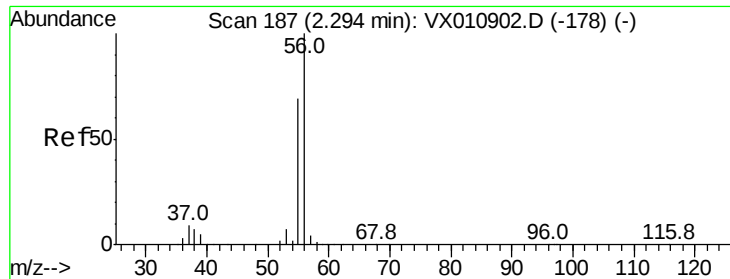
MMDadoda
7/17/2019 10:45:38 AM



#12
1,1-Dichloroethene
Concen: 0.616 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	115.0	172.4
98	80.7	52.2	78.2#





#13

Acrolein

Concen: 4.495 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 1414

Ion Ratio Lower Upper

56 100

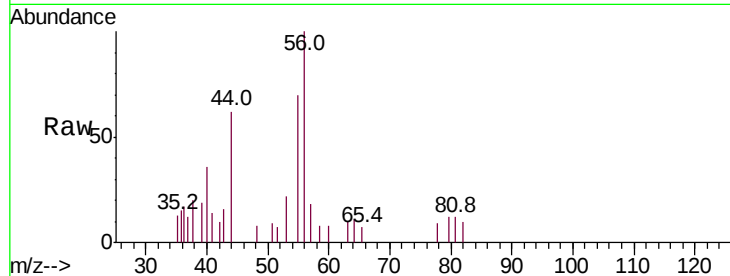
55 81.5 55.9 83.9

Manual Integrations

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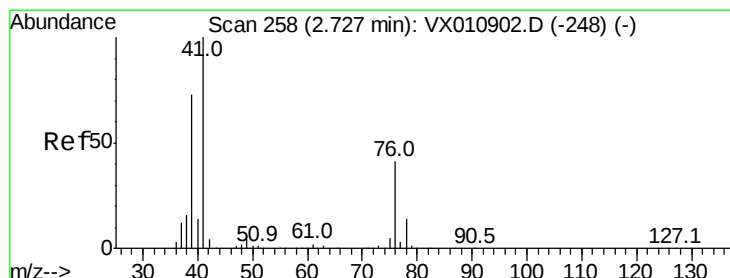
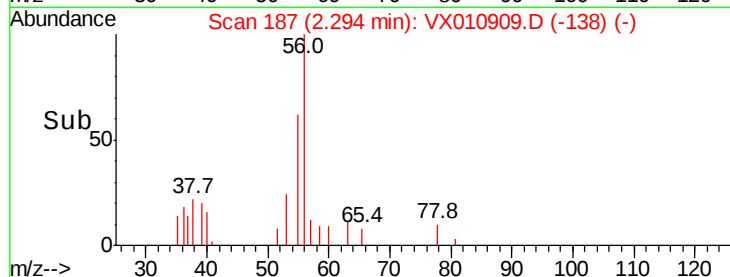
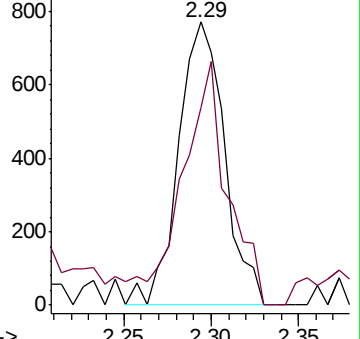
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.838 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

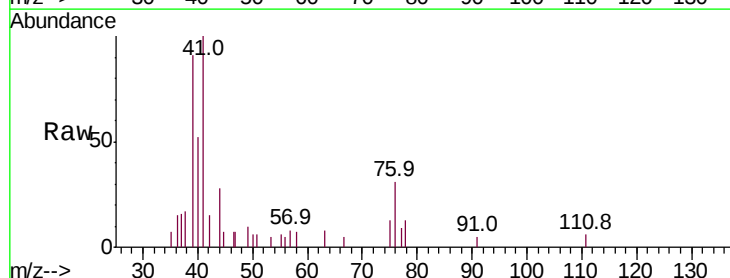
Tgt Ion: 41 Resp: 2384

Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

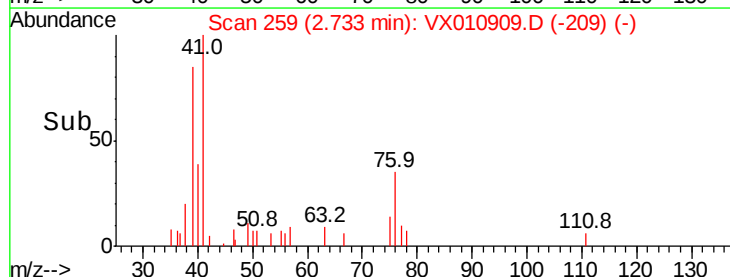
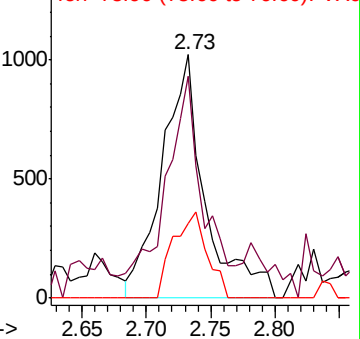
76 27.6 29.7 44.5#

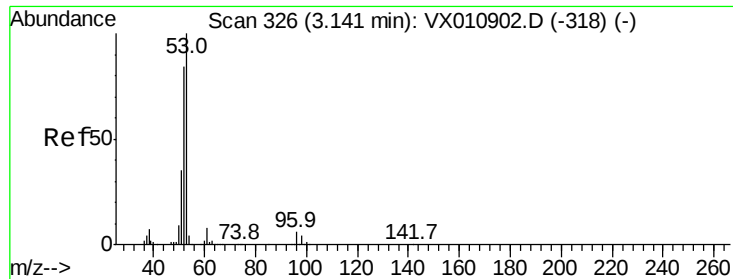


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 3.616 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

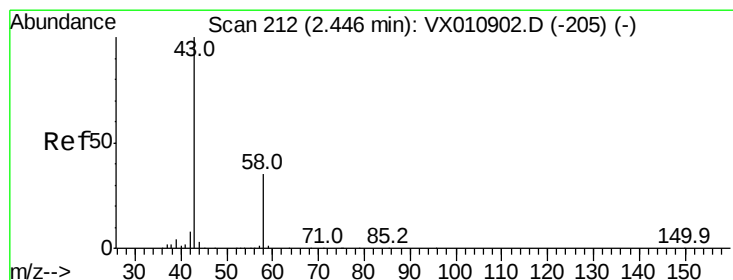
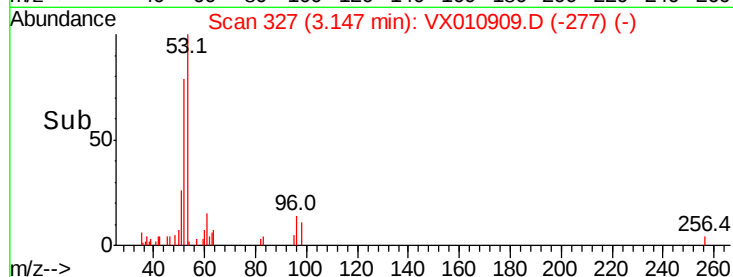
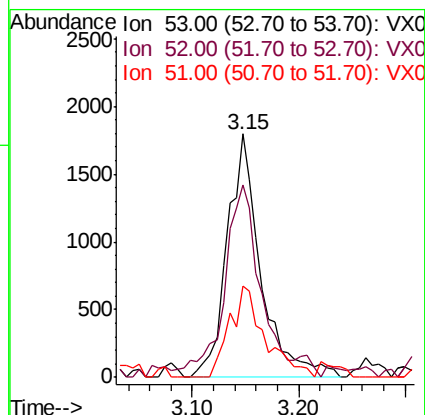
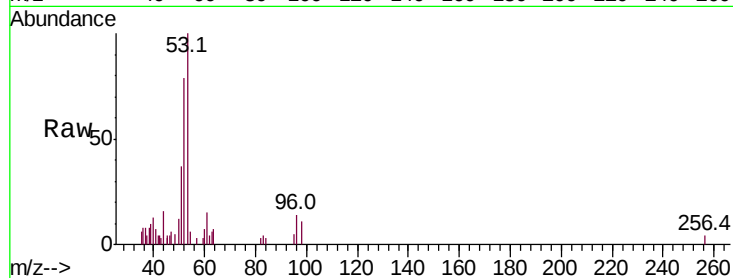
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	53	Resp:	3978
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.5	99.7
51	39.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 3.410 ug/l

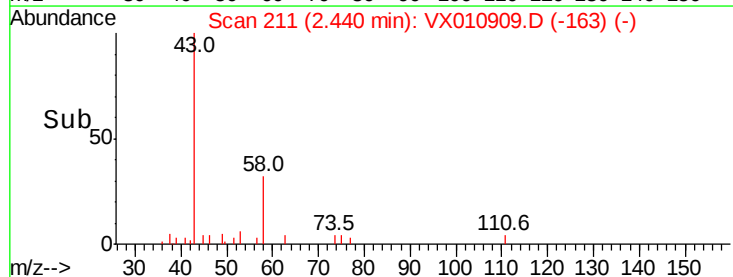
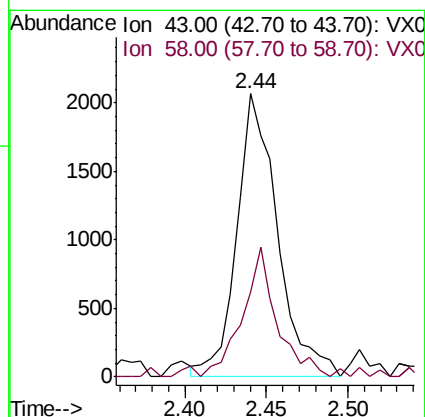
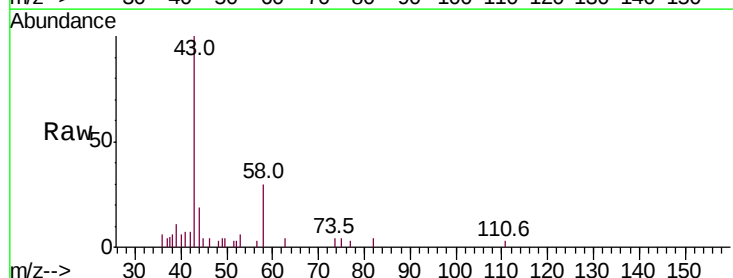
RT: 2.44 min Scan# 211

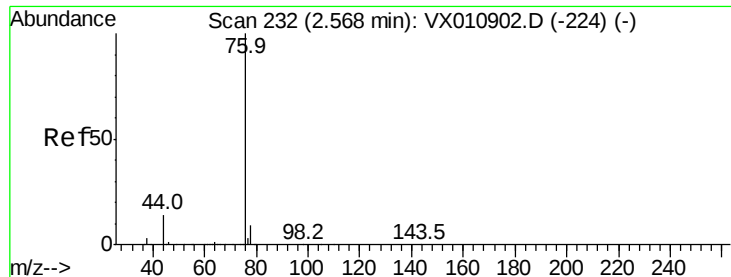
Delta R.T. -0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	43	Resp:	3601
Ion	Ratio	Lower	Upper
43	100		
58	27.1	27.7	41.5#





#17

Carbon Disulfide

Concen: 0.822 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 4126

Ion Ratio Lower Upper

76 100

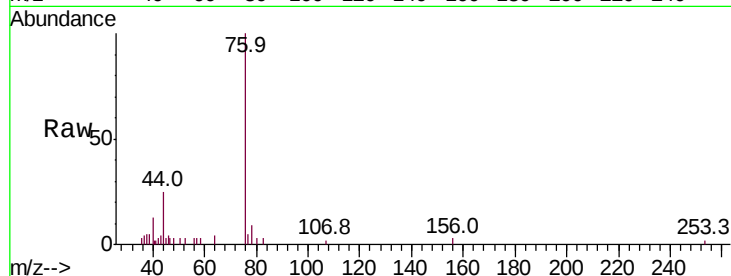
78 8.6 7.4 11.0

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2500

2000

1500

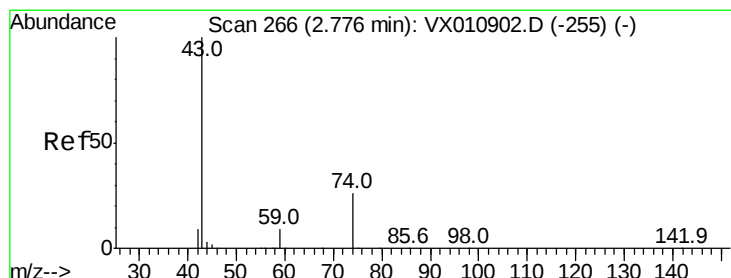
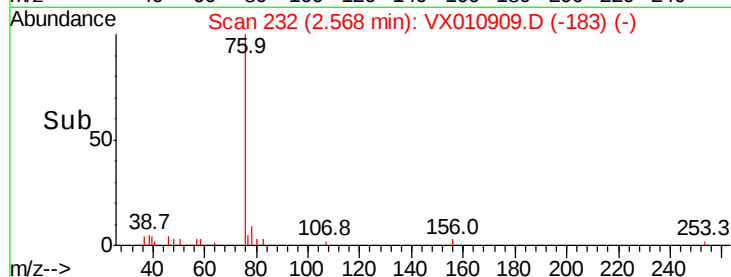
1000

500

0

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 0.982 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010909.D

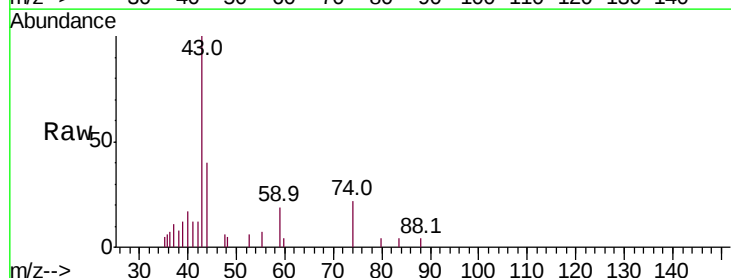
Acq: 16 Jul 2019 16:19

Tgt Ion: 43 Resp: 2361

Ion Ratio Lower Upper

43 100

74 24.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

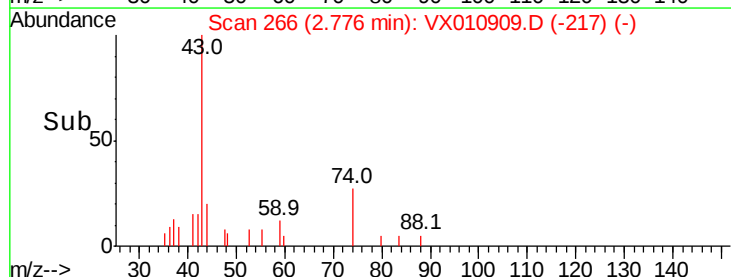
1000

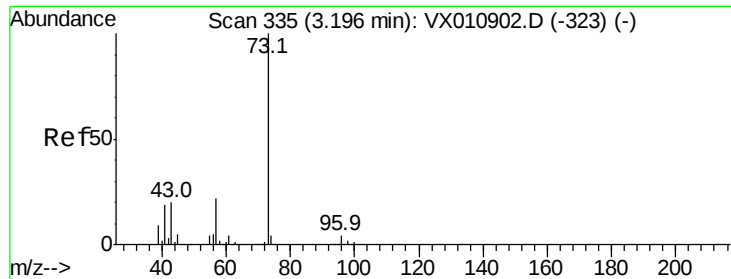
500

0

2.70 2.75 2.80 2.85

Time-->





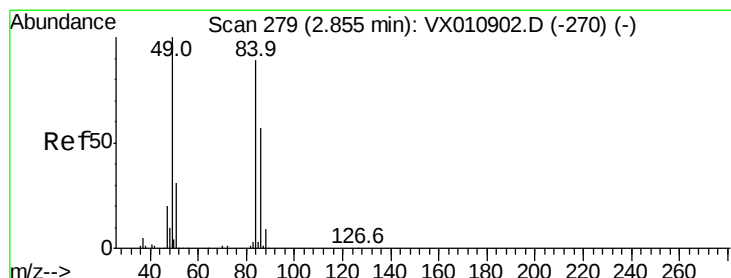
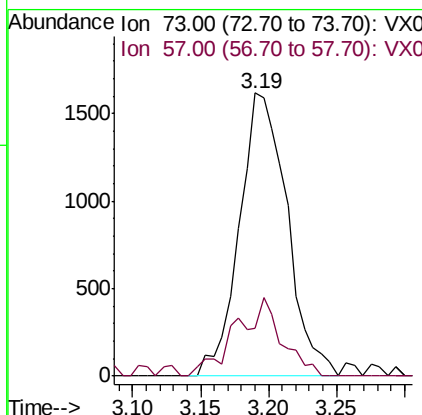
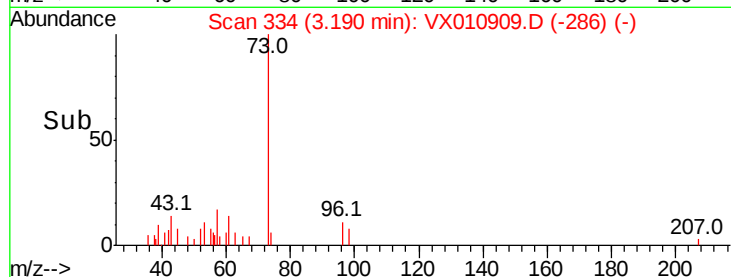
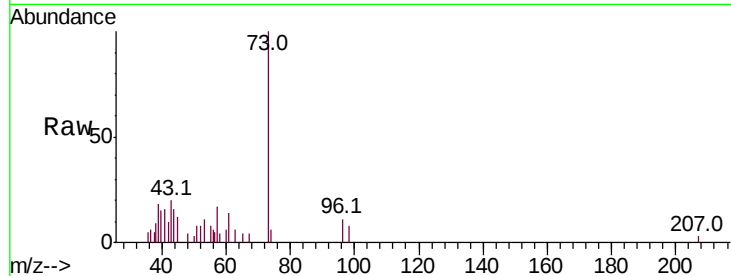
#19
Methvl tert-butvl Ether
Concen: 0.629 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion: 73 Resp: 3963
Ion Ratio Lower Upper
73 100
57 16.9 17.3 25.9#

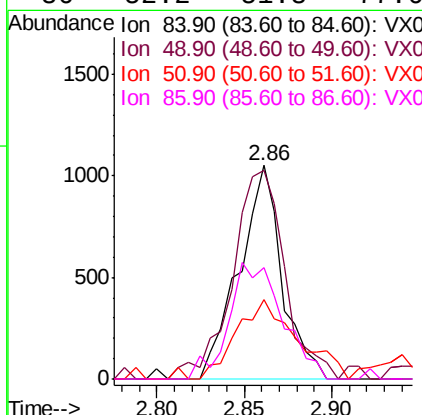
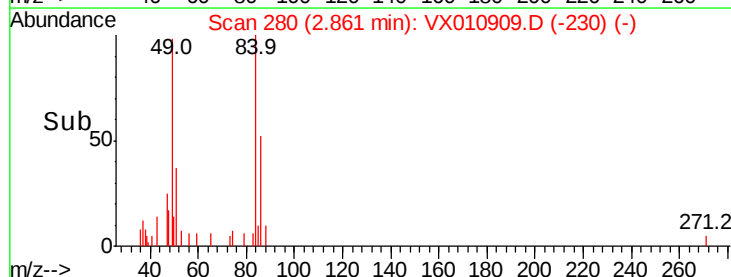
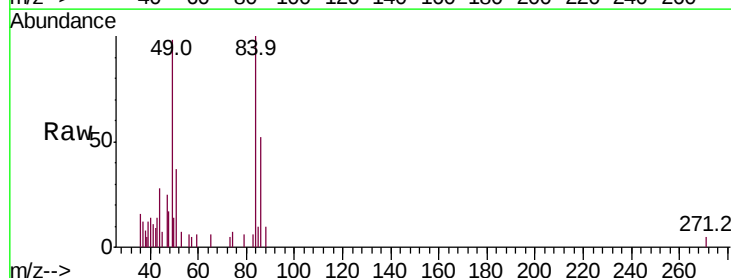
Manual Integrations
APPROVED

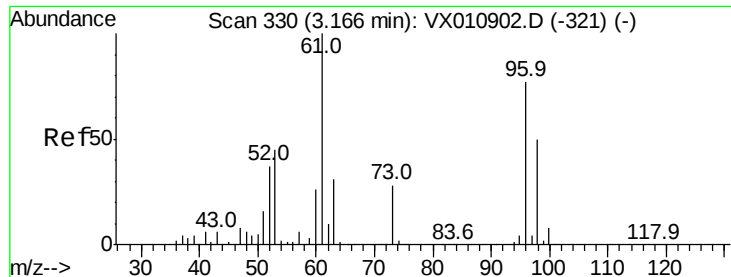
MMDadoda
7/17/2019 10:45:38 AM



#20
Methylene Chloride
Concen: 0.805 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion: 84 Resp: 1801
Ion Ratio Lower Upper
84 100
49 97.8 89.9 134.9
51 36.9 27.8 41.6
86 52.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.781 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 96 Resp: 1623

Ion Ratio Lower Upper

96 100

61 122.7 104.2 156.2

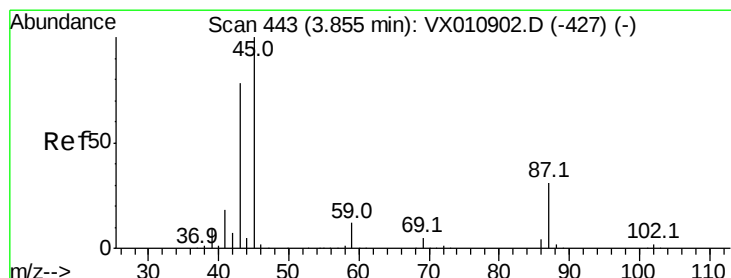
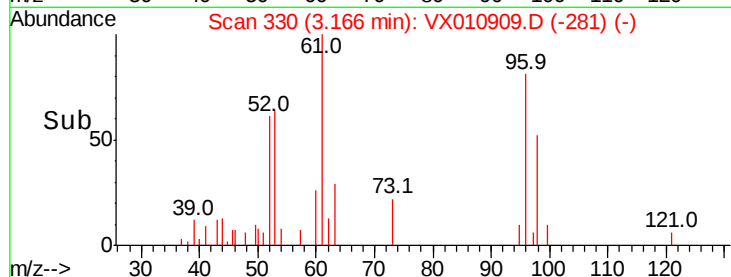
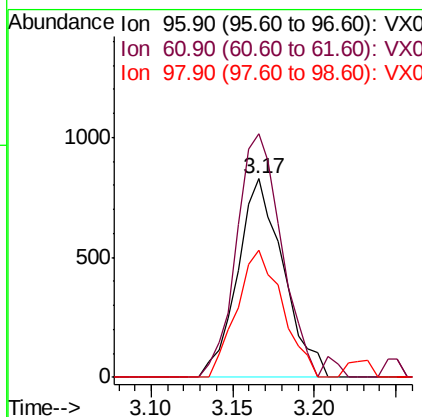
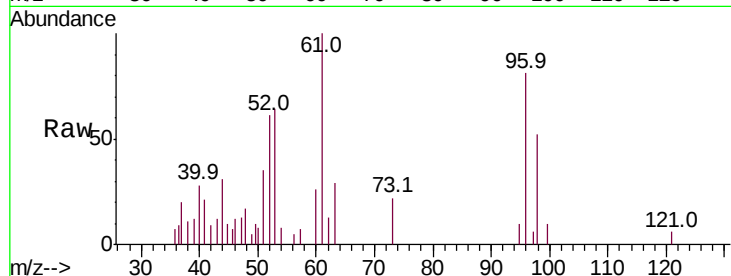
98 64.0 52.2 78.4

Manual Integrations

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7/17/2019 10:45:38 AM



#22

Diisopropyl ether

Concen: 0.728 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion: 45 Resp: 4367

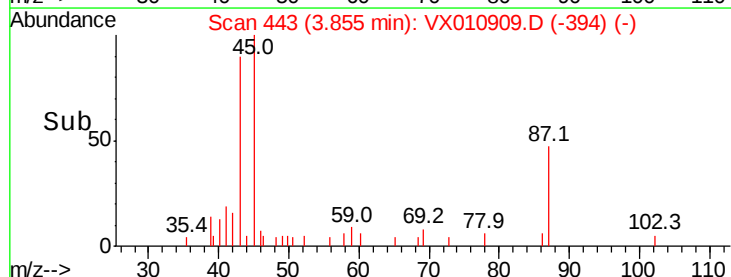
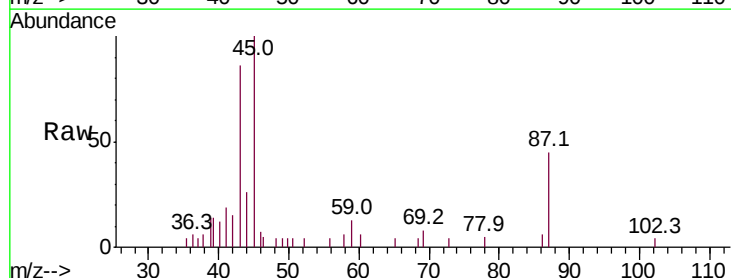
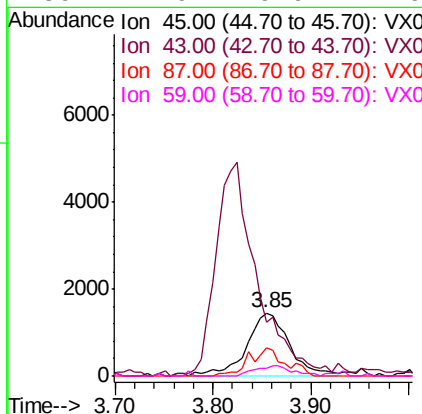
Ion Ratio Lower Upper

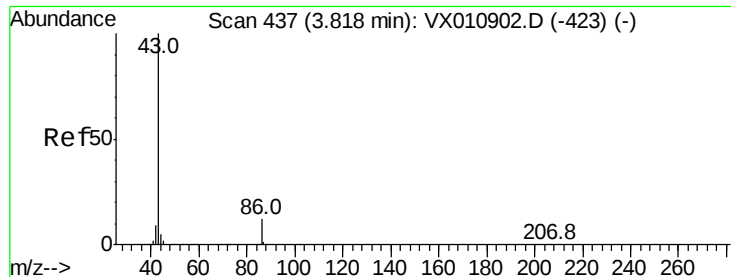
45 100

43 81.2 62.3 93.5

87 44.8 25.0 37.4#

59 7.9 9.9 14.9#





#23

Vinyl Acetate

Concen: 2.724 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 13842

Ion Ratio Lower Upper

43 100

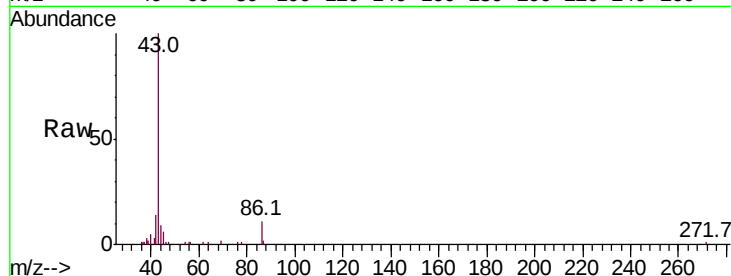
86 11.2 9.4 14.0

Manual Integrations

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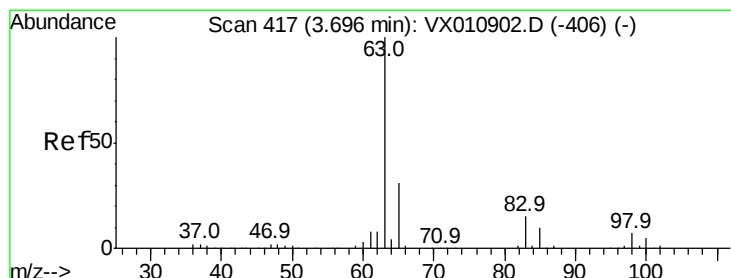
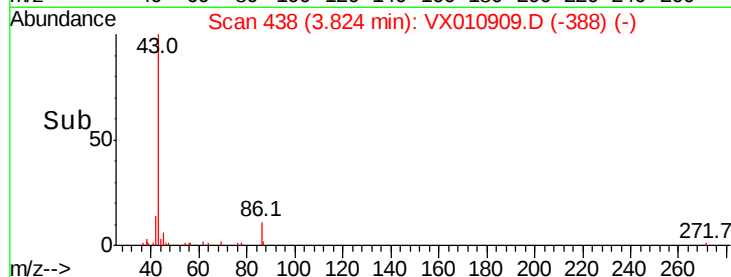
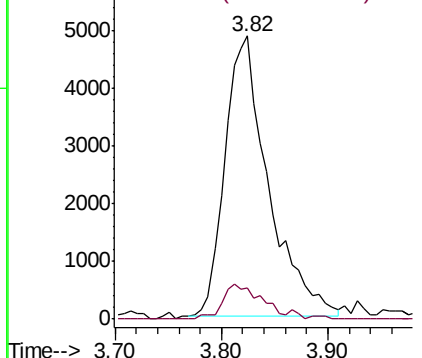
MMDadoda

7/17/2019 10:45:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 0.731 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

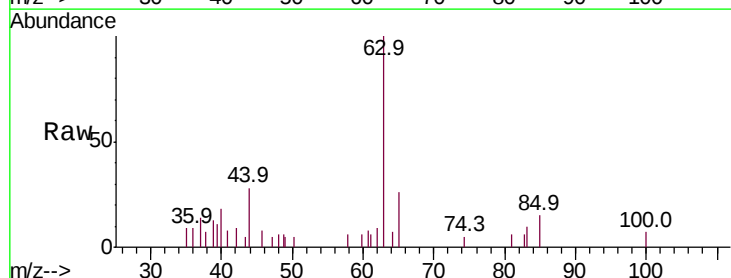
Tgt Ion: 63 Resp: 2546

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

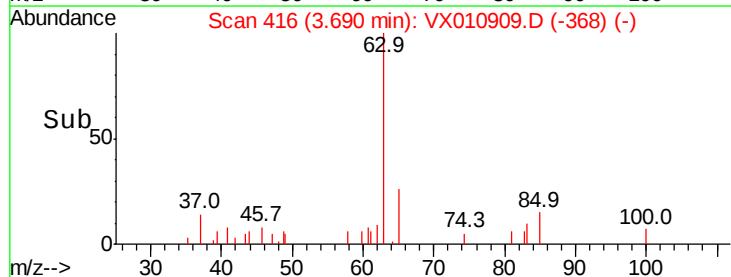
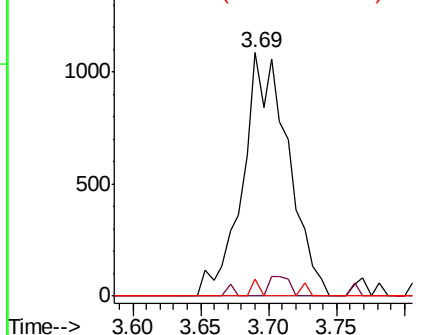
100 6.9 2.4 7.2

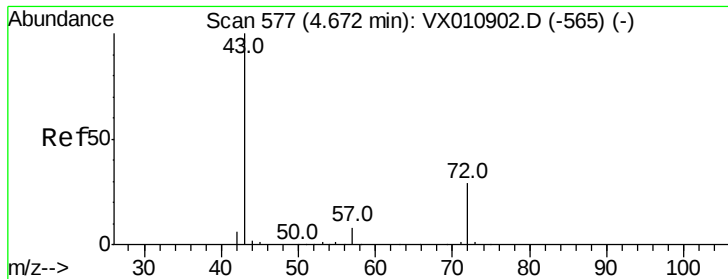


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 3.318 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 5029

Ion Ratio Lower Upper

43 100

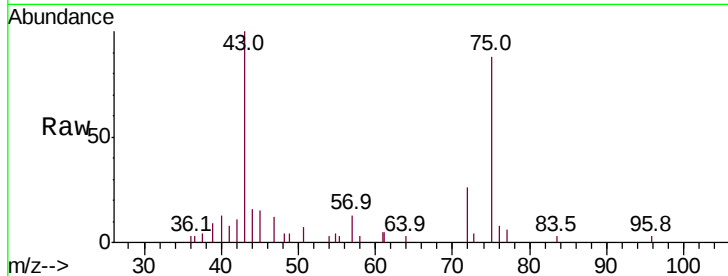
72 27.6 23.0 34.6

Manual Integrations

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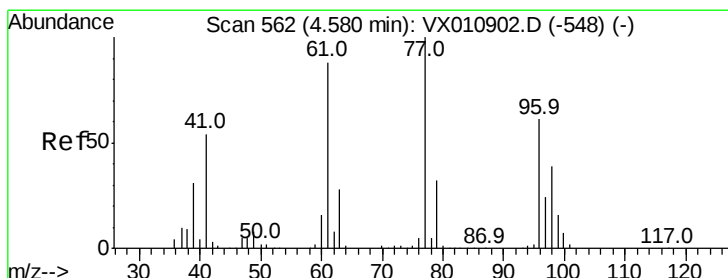
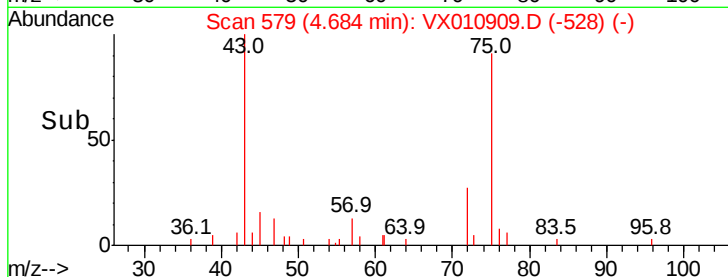
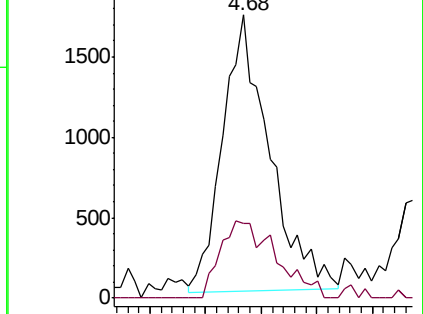
MMDadoda

7/17/2019 10:45:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.660 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010909.D

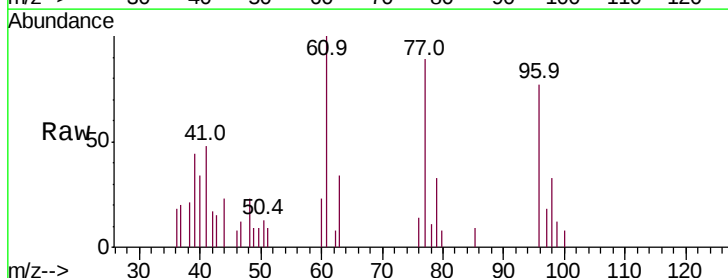
Acq: 16 Jul 2019 16:19

Tgt Ion: 77 Resp: 1888

Ion Ratio Lower Upper

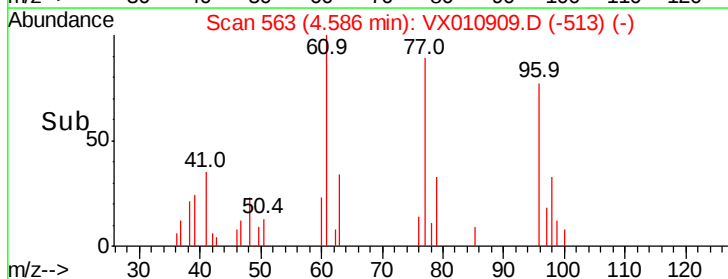
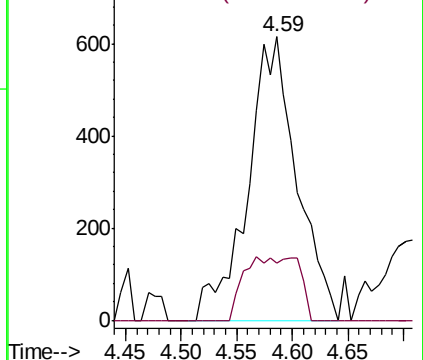
77 100

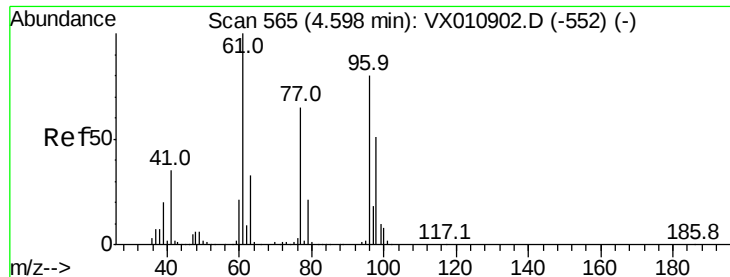
97 24.9 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

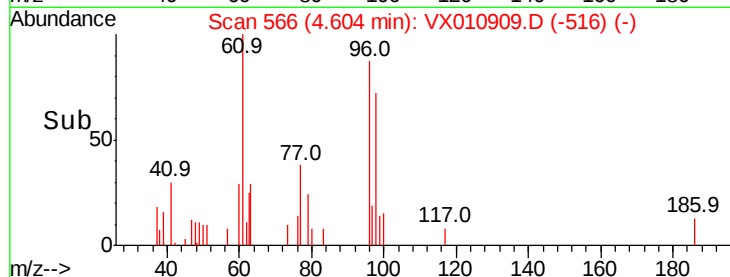
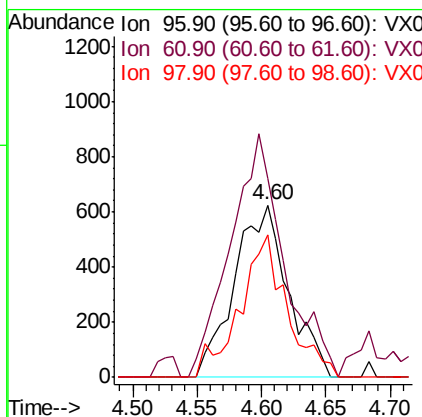
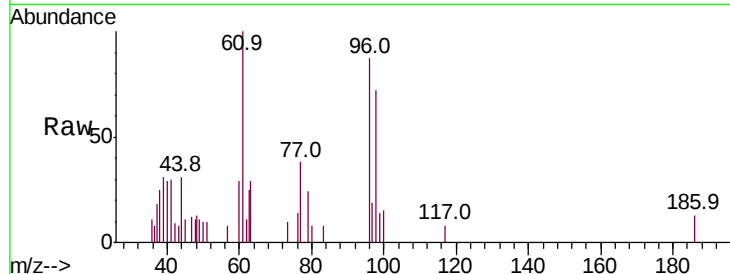
cis-1,2-Dichloroethene
Concen: 0.756 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Resp	Lower	Upper
96	100	1817		
61	140.9	0.0	269.0	
98	71.9	0.0	131.4	

Manual Integrations
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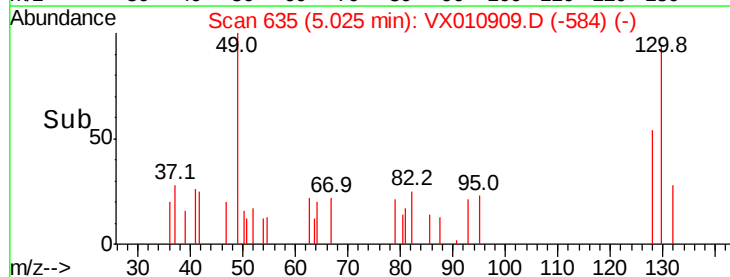
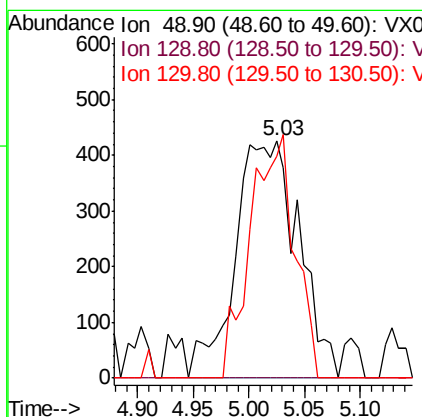
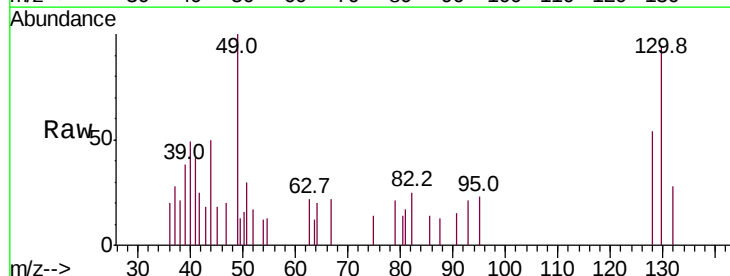
MMDadoda
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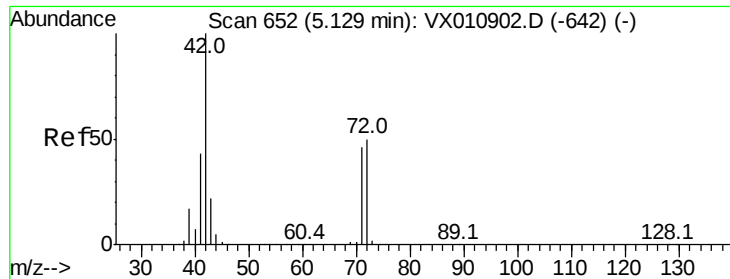


#28

Bromochloromethane
Concen: 1.029 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	1689		
129	0.0	0.0	5.2	
130	71.6	76.9	115.3#	





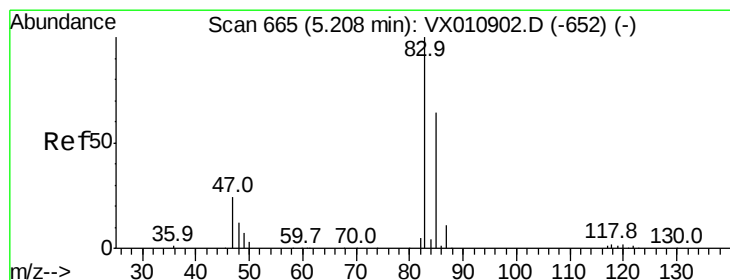
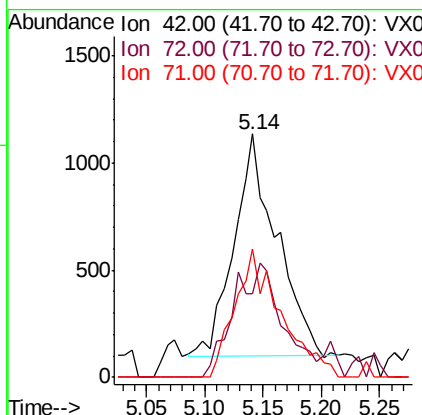
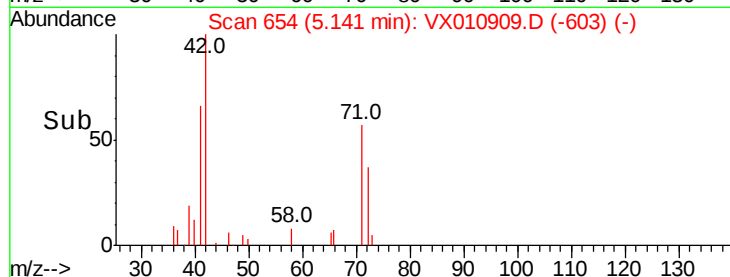
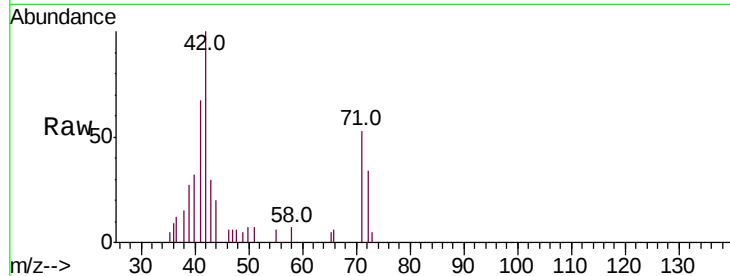
#29
Tetrahydrofuran
Concen: 2.736 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.6	39.8	59.8
71	62.2	37.0	55.4

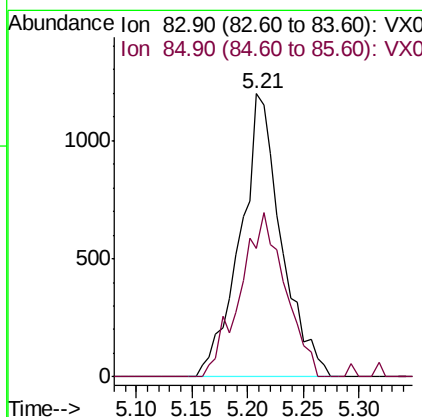
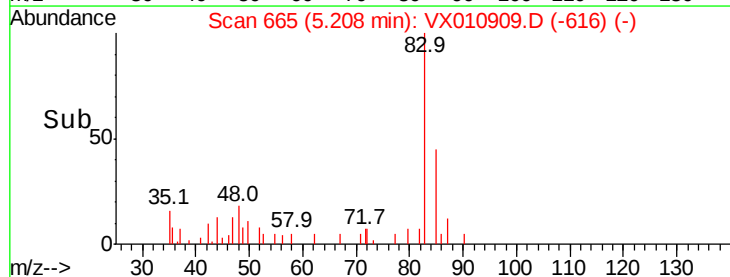
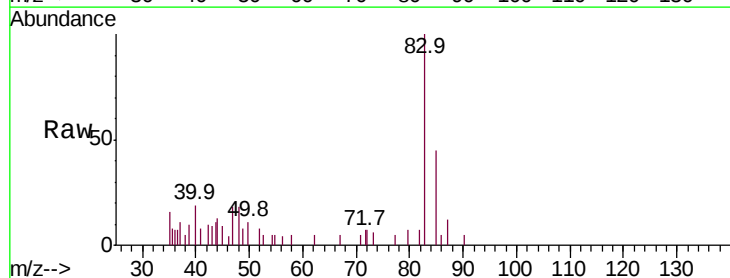
Manual Integrations
APPROVED

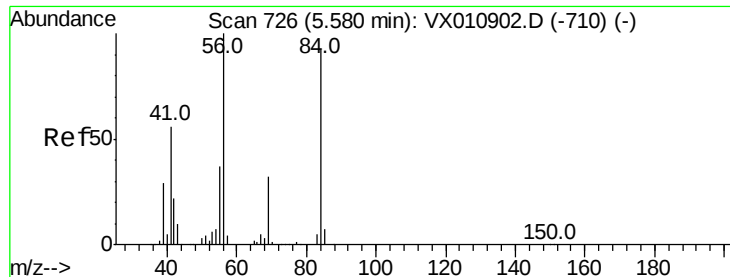
MMDadoda
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#30
Chloroform
Concen: 0.816 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	45.4	51.4	77.0





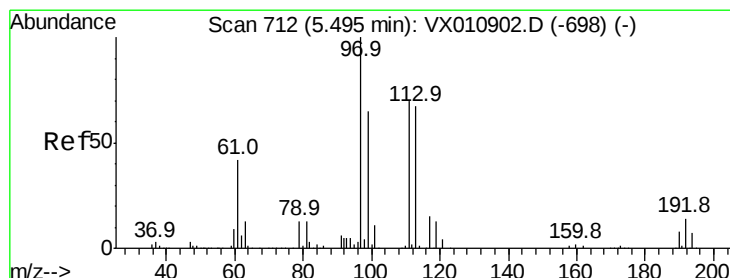
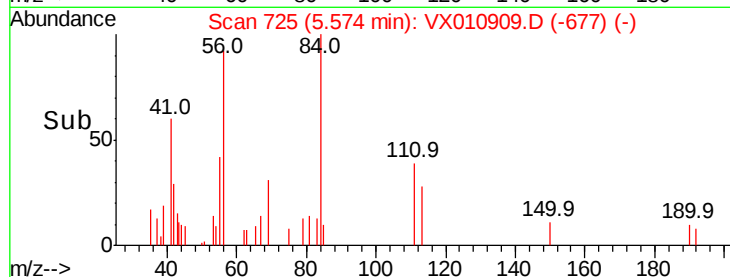
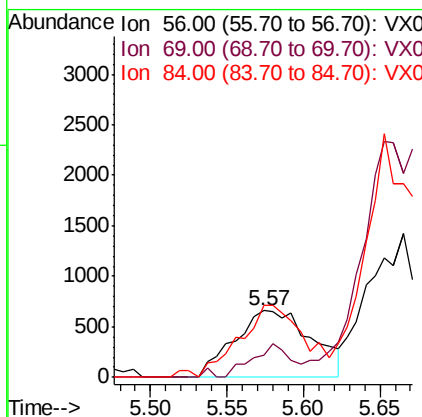
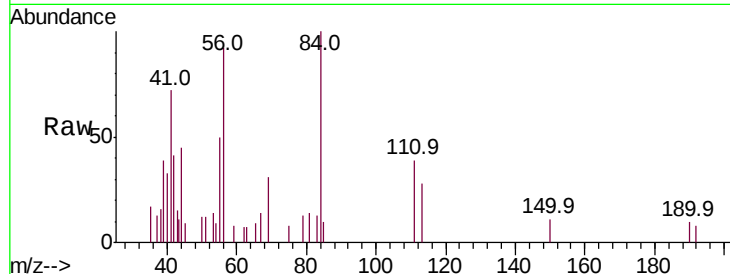
#31
Cyclohexane
Concen: 0.735 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.8
84	97.0	73.8	110.6

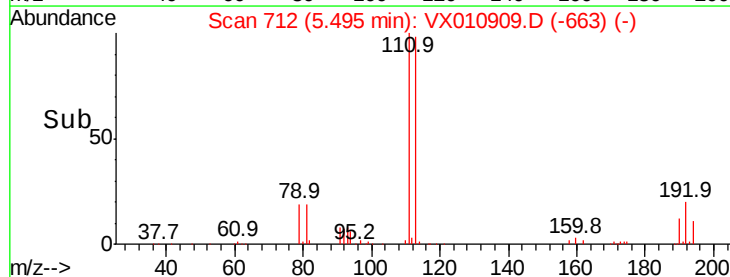
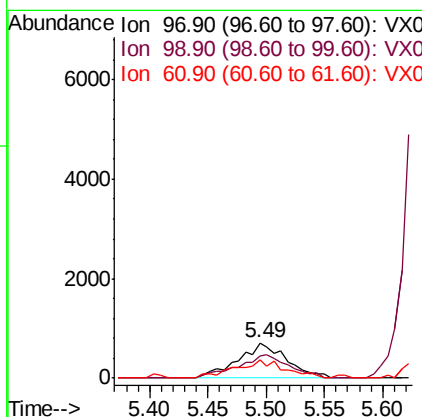
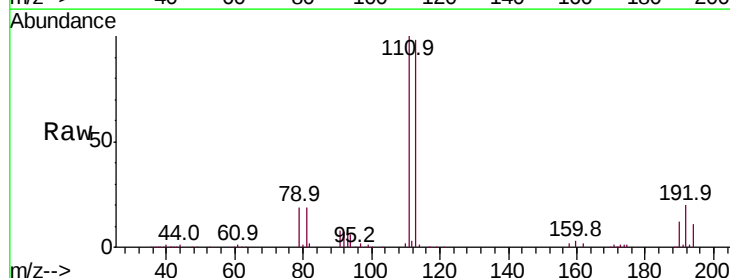
Manual Integrations
APPROVED

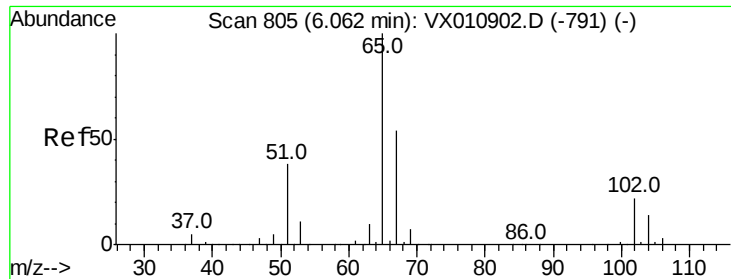
MMDadoda
7/17/2019 10:45:38 AM



#32
1,1,1-Trichloroethane
Concen: 0.634 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	51.0	33.0	49.6#





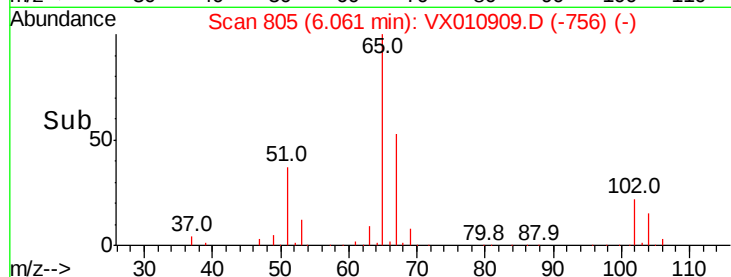
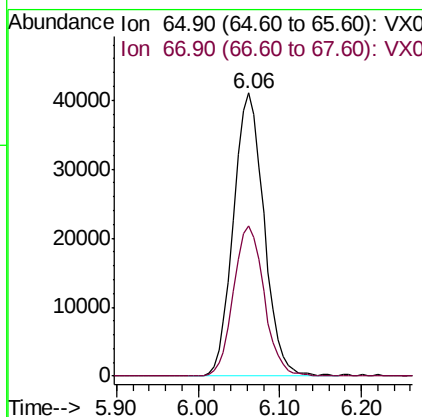
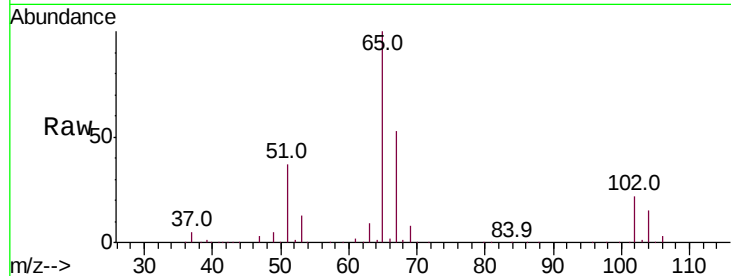
#33
 1,2-Dichloroethane-d4
 Concen: 45.558 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	107.8	

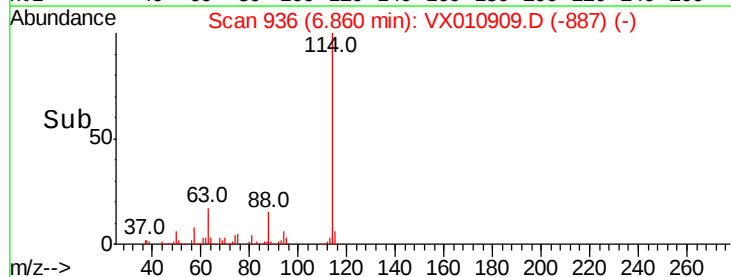
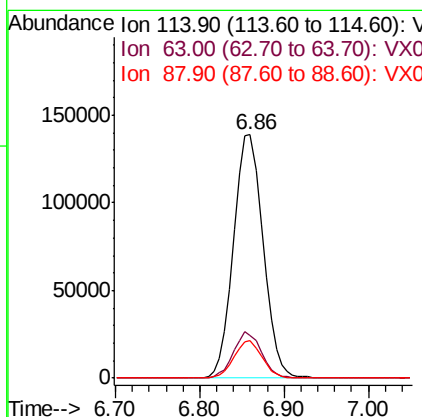
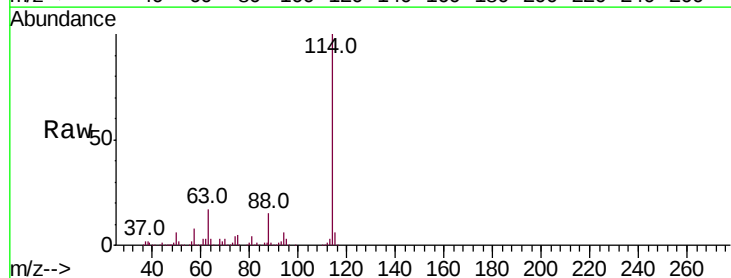
Manual Integrations
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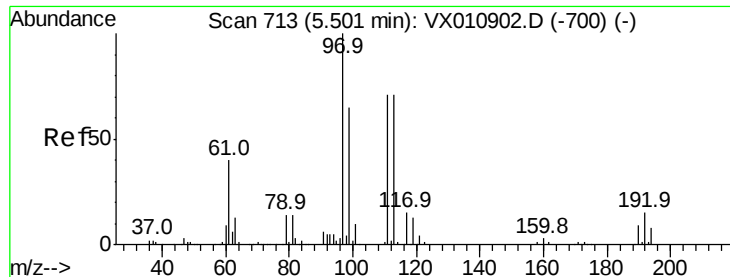
MMDadoda
 7/17/2019 10:45:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	35.6	
88	15.3	0.0	29.8	





#35

Dibromofluoromethane

Concen: 44.735 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

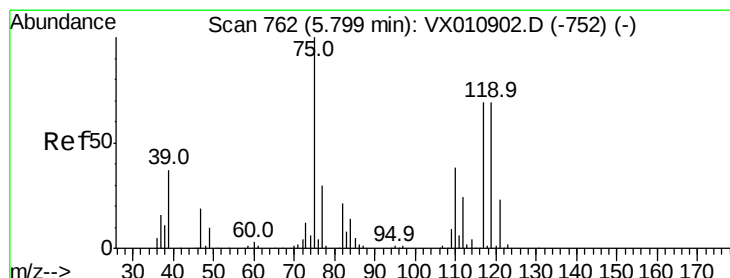
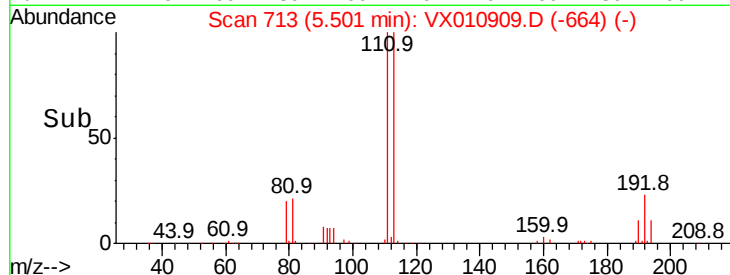
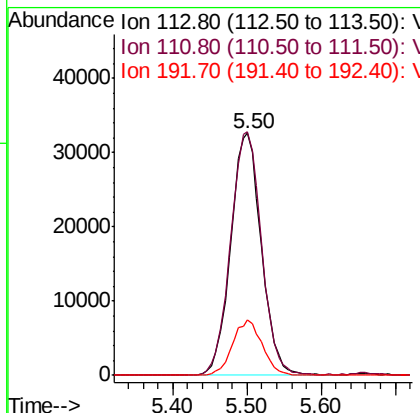
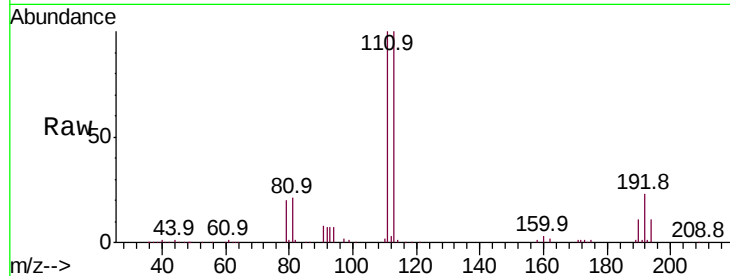
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	113	Resp:	93864
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.3	123.5
192	22.3	17.4	26.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 0.802 ug/l

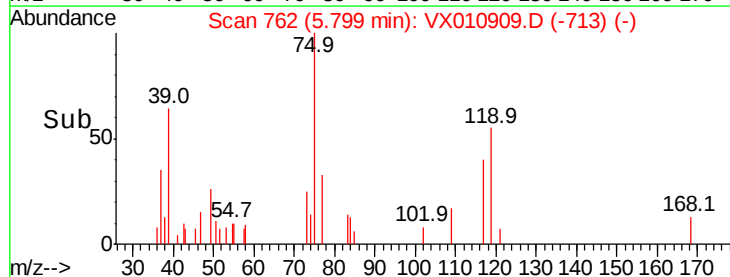
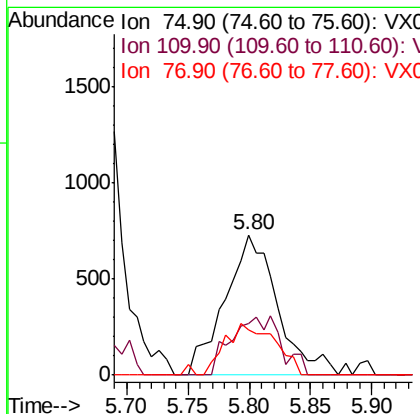
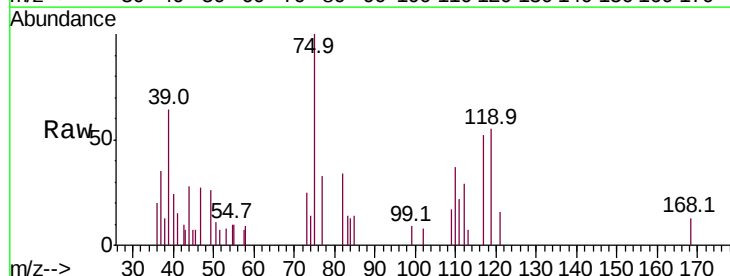
RT: 5.80 min Scan# 762

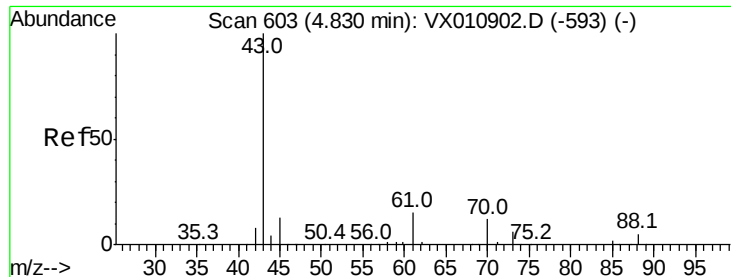
Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	75	Resp:	2177
Ion Ratio	Lower	Upper	
75	100		
110	0.0	19.9	59.7#
77	34.8	25.0	37.4





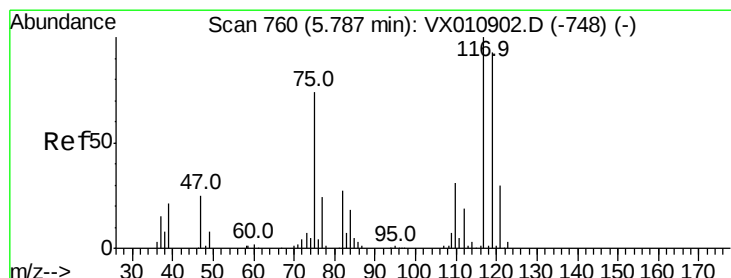
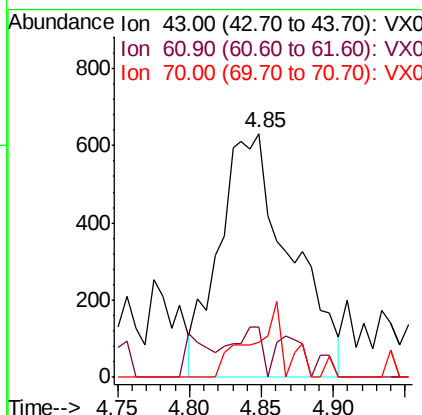
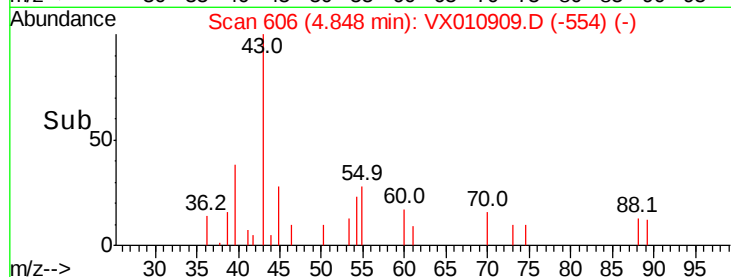
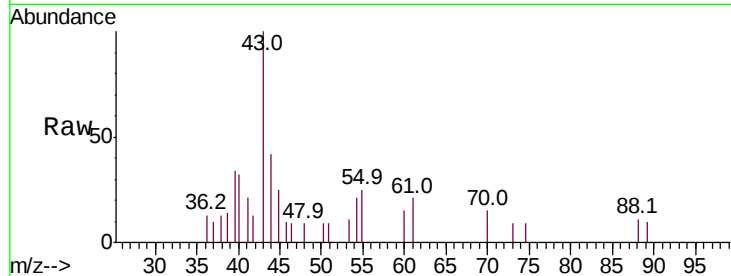
#37
Ethyl Acetate
Concen: 0.780 ug/l
RT: 4.85 min Scan# 606
Delta R.T. 0.02 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.3	11.6	17.4#
70	0.0	9.1	13.7#

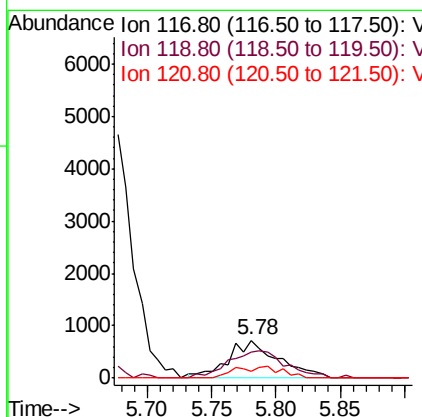
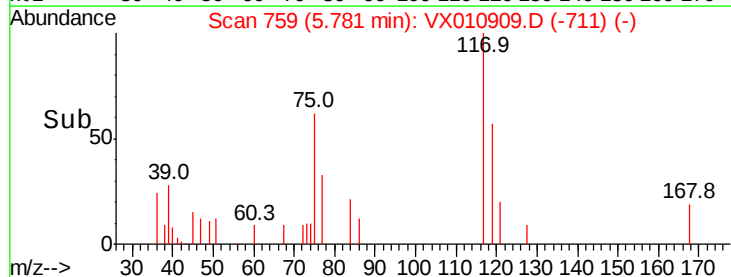
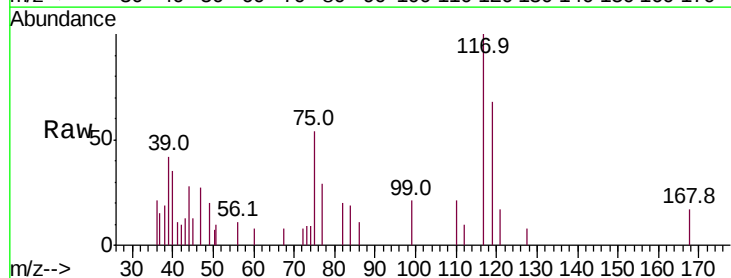
Manual Integrations
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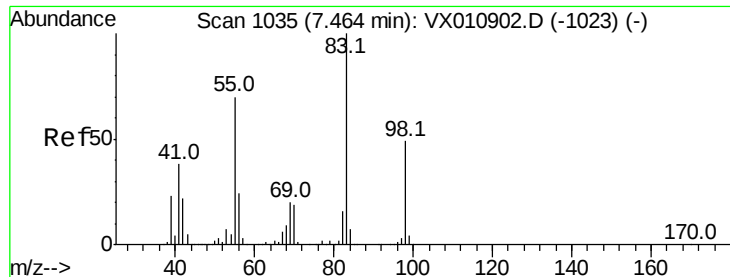
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#38
Carbon Tetrachloride
Concen: 0.682 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	68.3	74.2	111.2#
121	17.4	24.2	36.2#





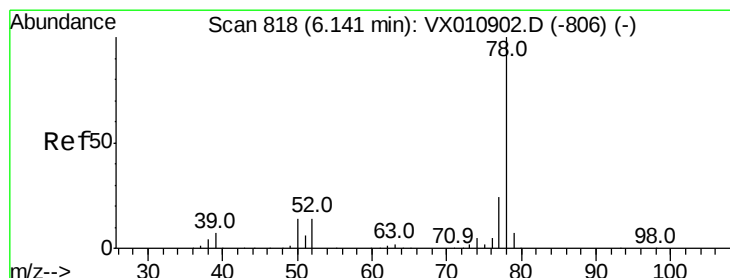
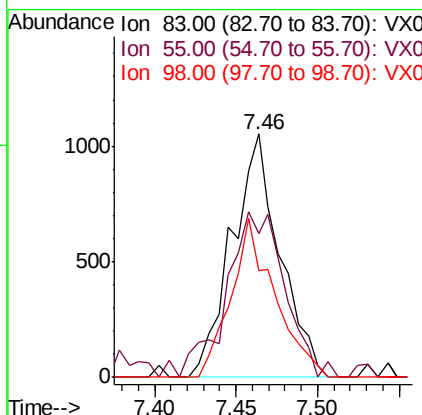
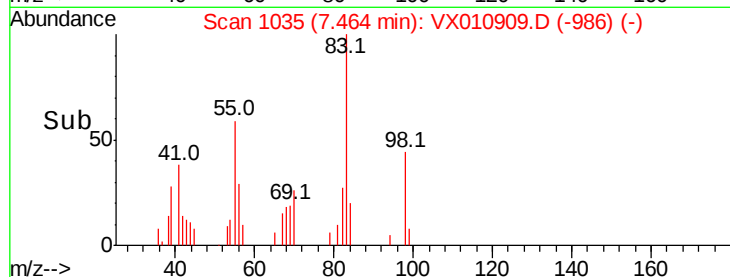
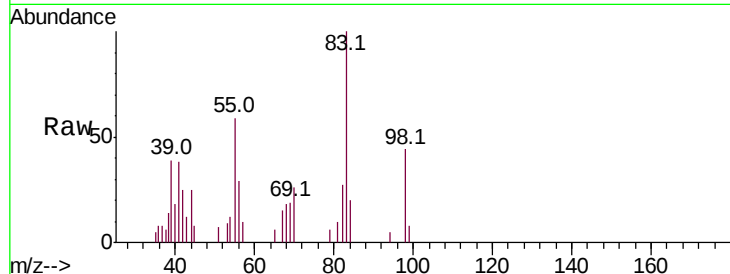
#39
Methvlcvclohexane
Concen: 0.613 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.8	56.2	84.4
98	43.8	39.0	58.4

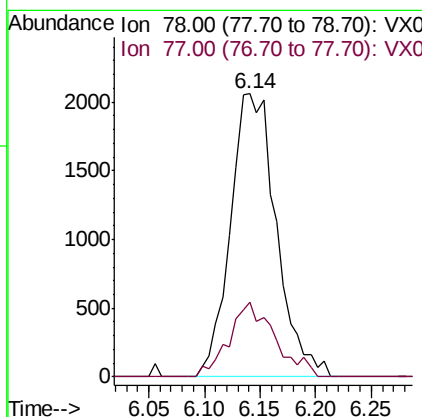
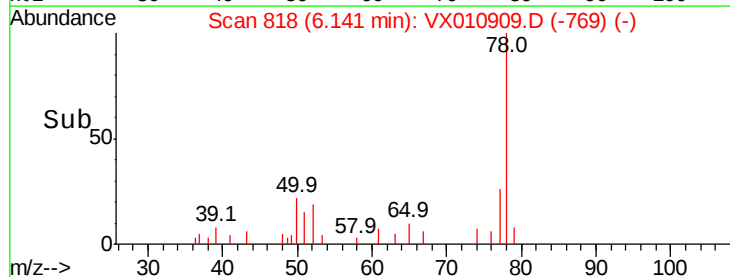
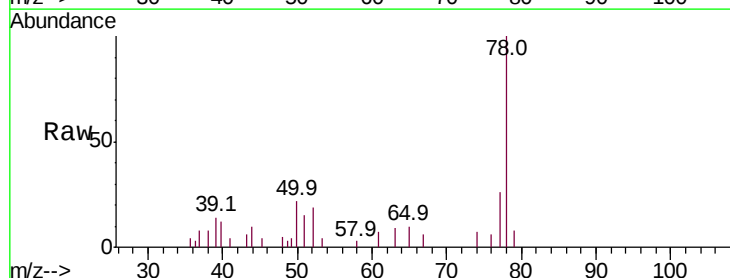
Manual Integrations
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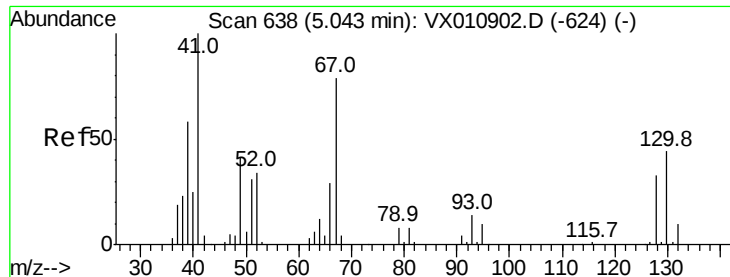
MMDadoda
7/17/2019 10:45:38 AM



#40
Benzene
Concen: 0.709 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	19.0	28.6





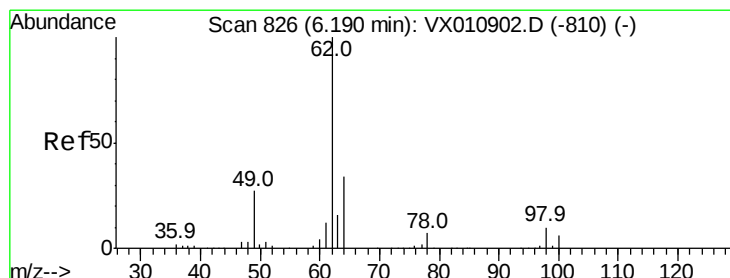
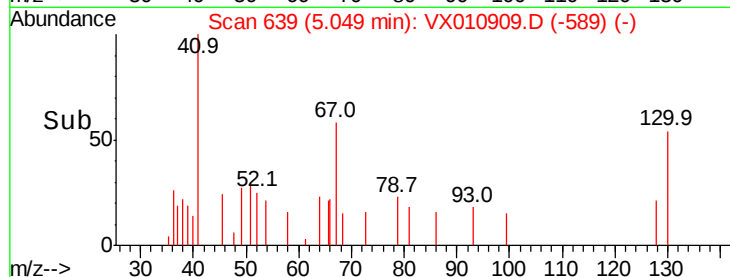
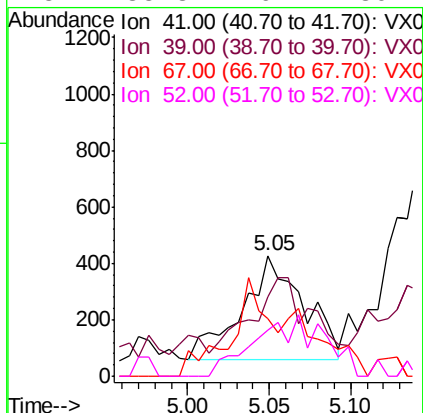
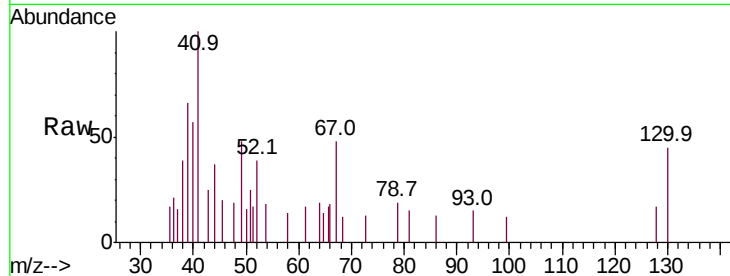
#41
Methacrylonitrile
Concen: 0.602 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion: 41 Resp: 950
Ion Ratio Lower Upper
41 100
39 67.6 45.4 68.2
67 0.0 65.9 98.9#
52 35.3 26.2 39.2

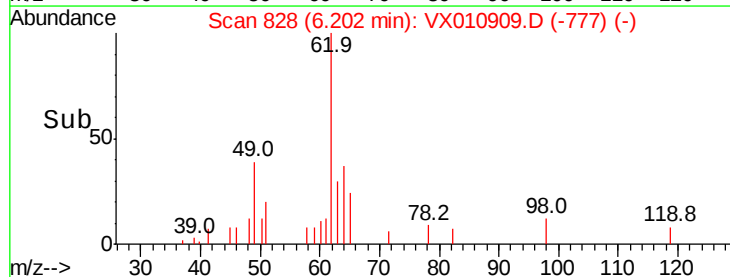
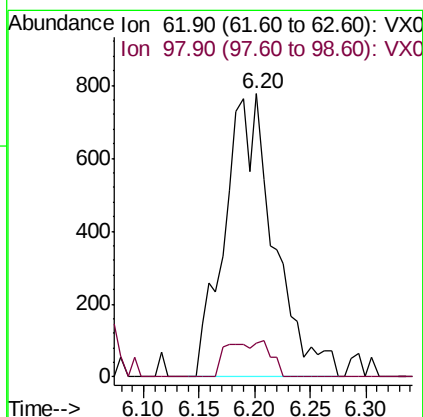
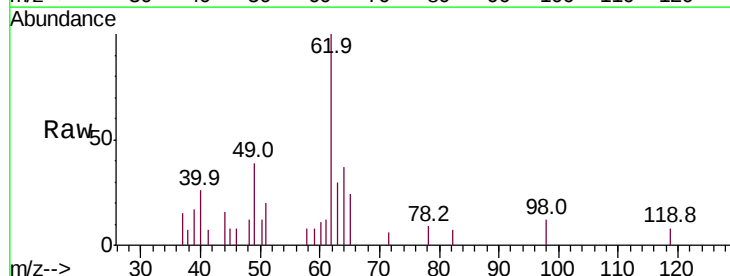
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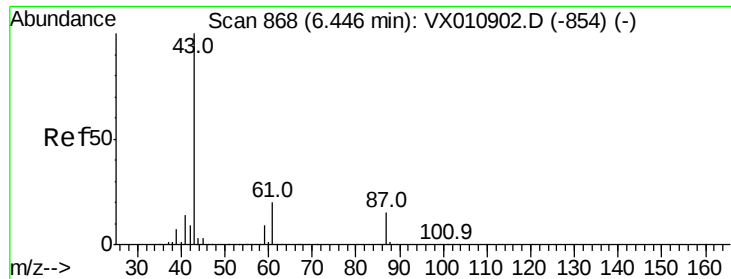
MMDadoda
7/17/2019 10:45:38 AM



#42
1,2-Dichloroethane
Concen: 0.827 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion: 62 Resp: 2391
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.0





#43

Isopropyl Acetate

Concen: 0.655 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

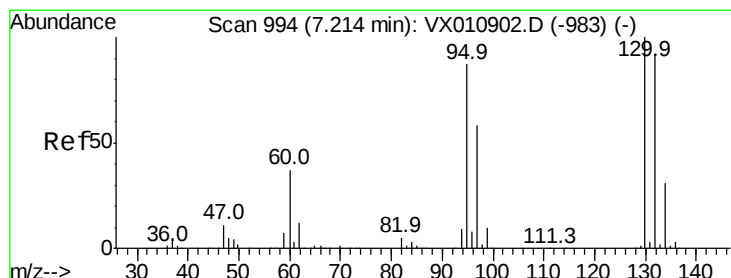
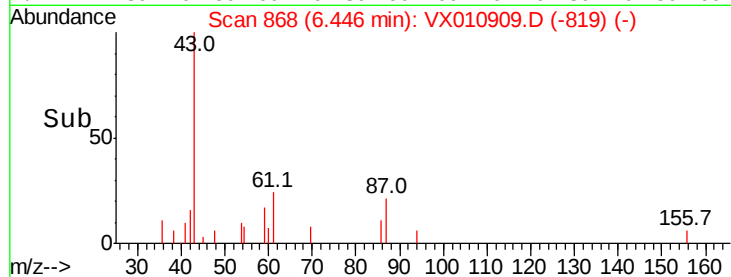
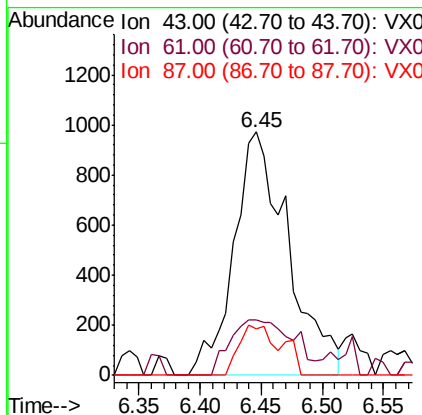
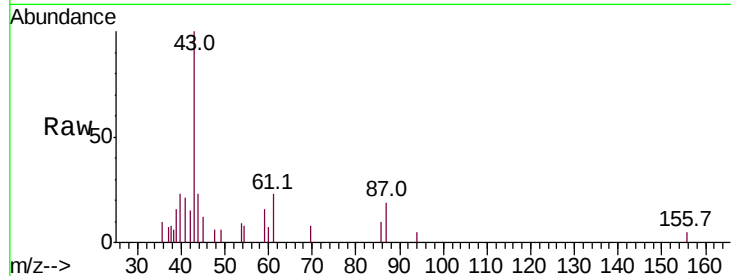
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	43	Resp:	2996
Ion	Ratio	Lower	Upper
43	100		
61	26.7	17.1	25.7#
87	15.8	12.0	18.0

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#44

Trichloroethene

Concen: 0.678 ug/l

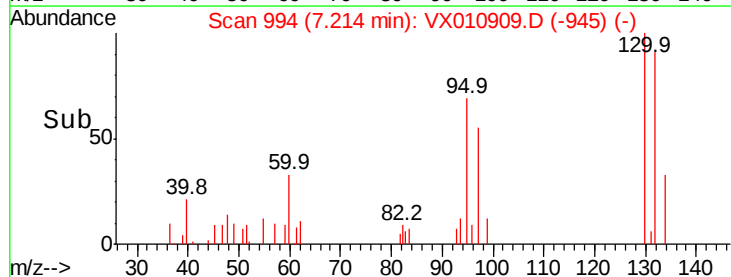
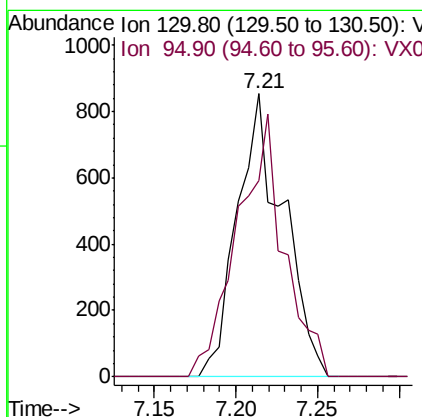
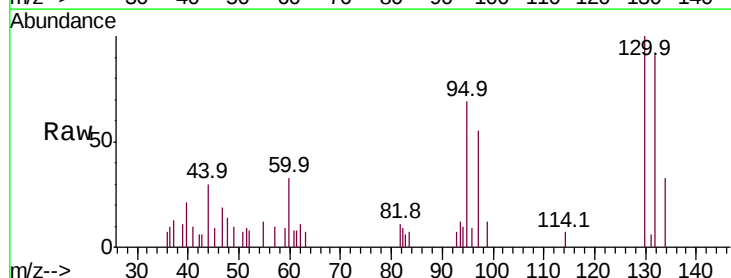
RT: 7.21 min Scan# 994

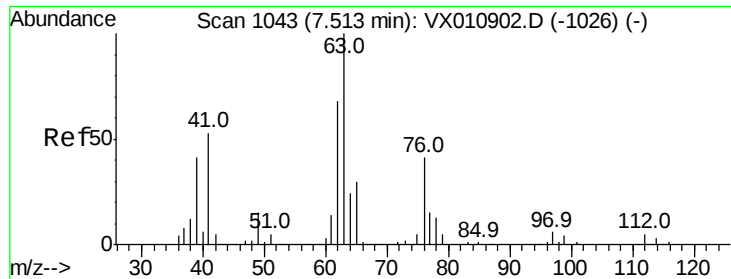
Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	130	Resp:	1670
Ion	Ratio	Lower	Upper
130	100		
95	69.2	0.0	174.8





#45

1,2-Dichloropropane

Concen: 0.739 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 63 Resp: 1565

Ion Ratio Lower Upper

63 100

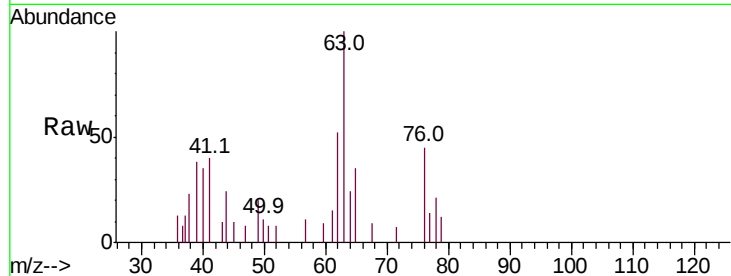
65 34.9 24.4 36.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

800

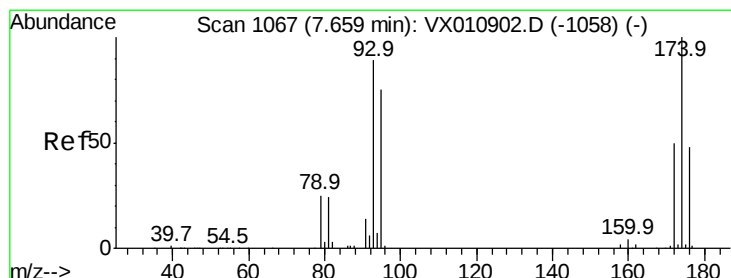
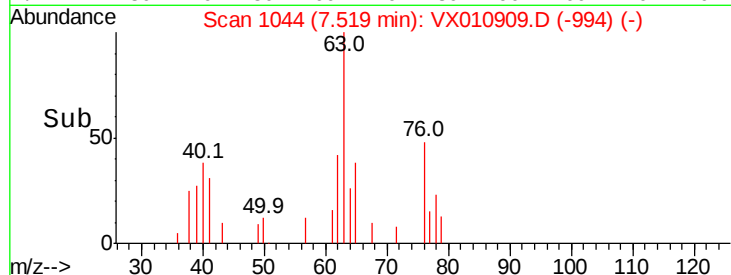
600

400

200

0

Time-->



#46

Dibromomethane

Concen: 0.630 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

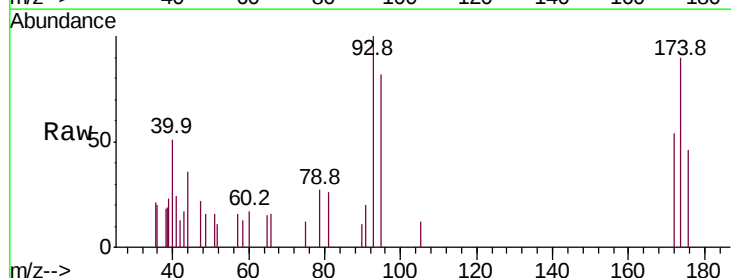
Tgt Ion: 93 Resp: 953

Ion Ratio Lower Upper

93 100

95 88.9 67.2 100.8

174 114.8 90.6 135.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

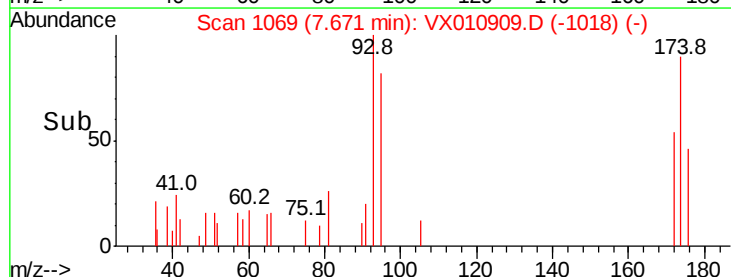
600

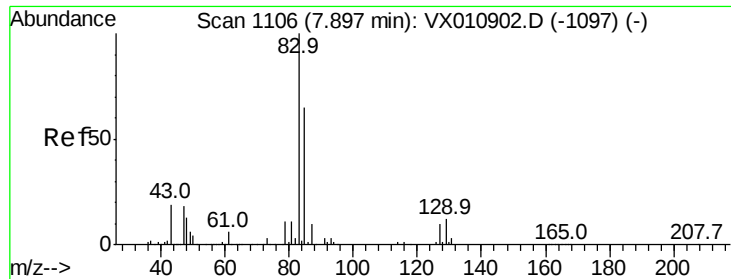
400

200

0

Time-->





#47

Bromodichloromethane

Concen: 0.595 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

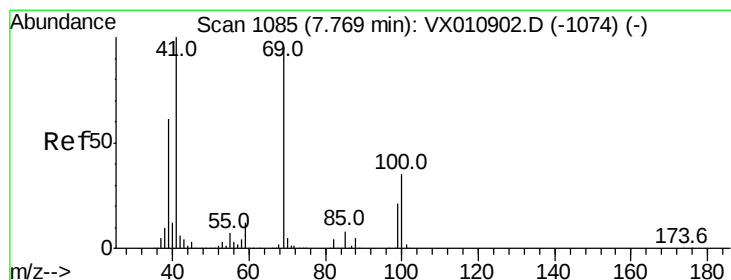
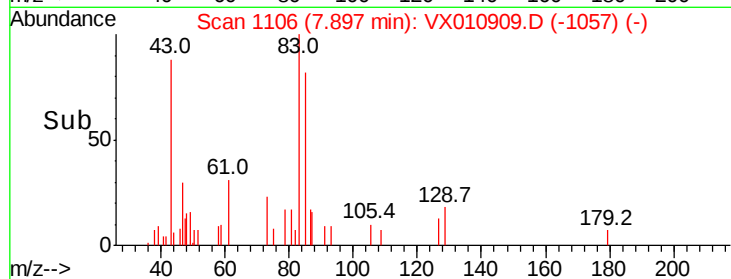
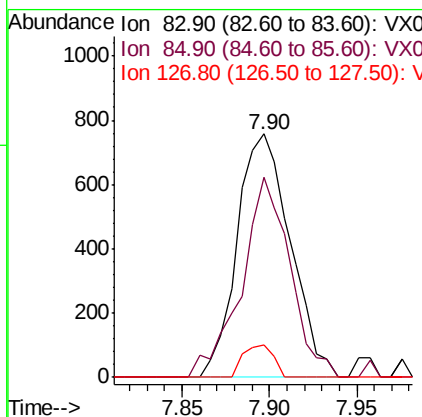
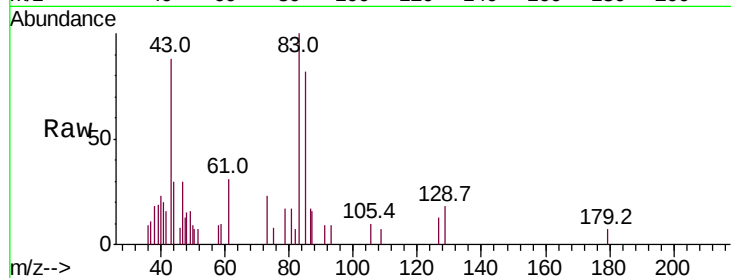
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	1603
Ion	Ratio	Lower	Upper
83	100		
85	82.3	52.5	78.7#
127	13.3	7.8	11.8#

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#48

Methyl methacrylate

Concen: 0.638 ug/l

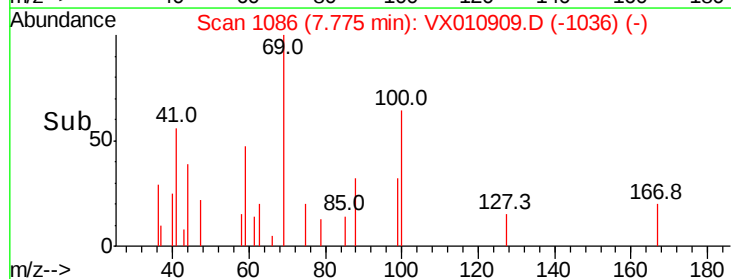
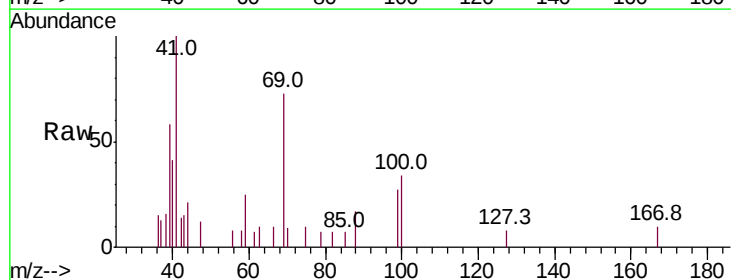
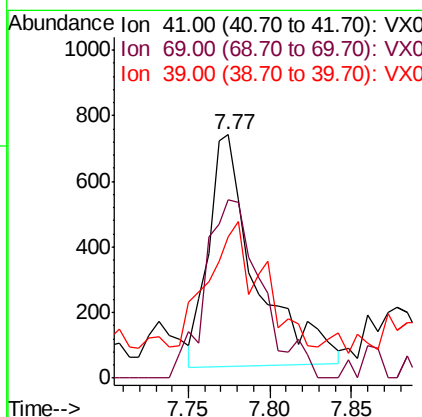
RT: 7.77 min Scan# 1086

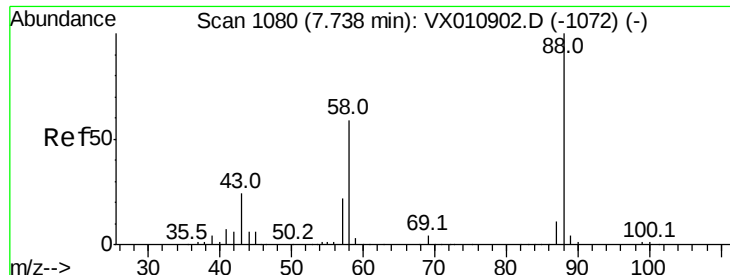
Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	41	Resp:	1422
Ion	Ratio	Lower	Upper
41	100		
69	92.3	74.4	111.6
39	60.5	48.9	73.3





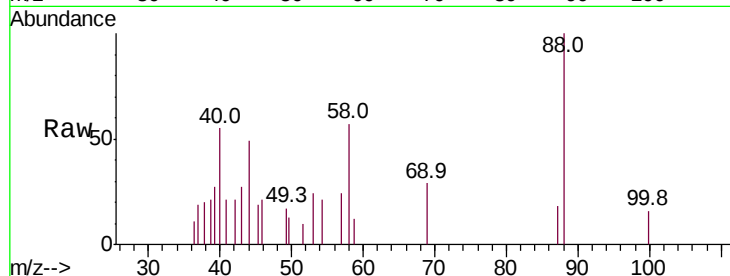
#49
1,4-Dioxane
Concen: 15.329 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

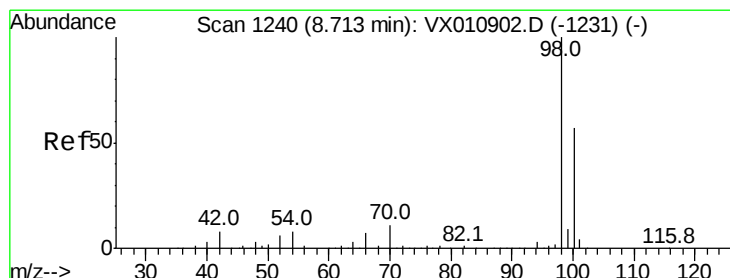
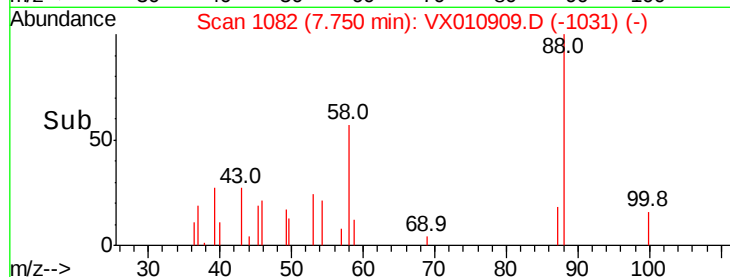
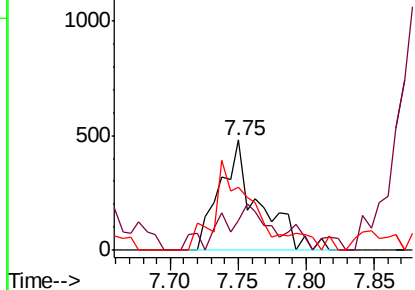
Tot Ion	Ratio	Lower	Upper
88	100		
43	18.7	22.9	34.3#
58	0.0	49.8	74.8#

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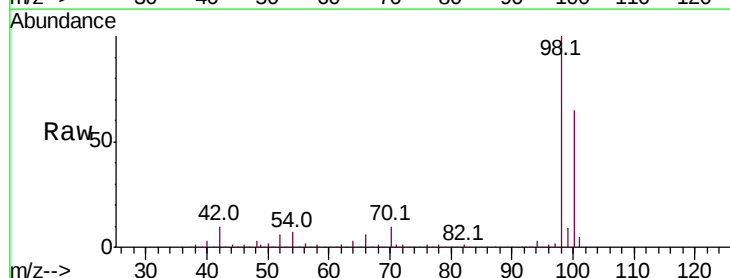


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

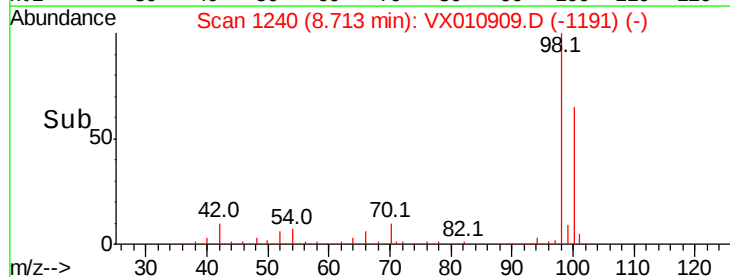
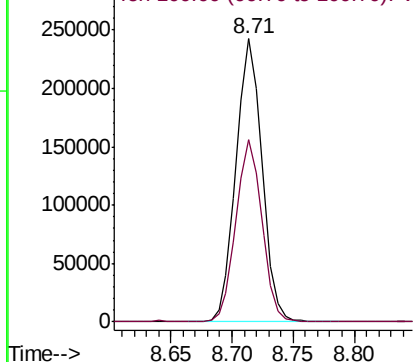


#50
Toluene-d8
Concen: 45.498 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 3.059 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 9065

Ion Ratio Lower Upper

43 100

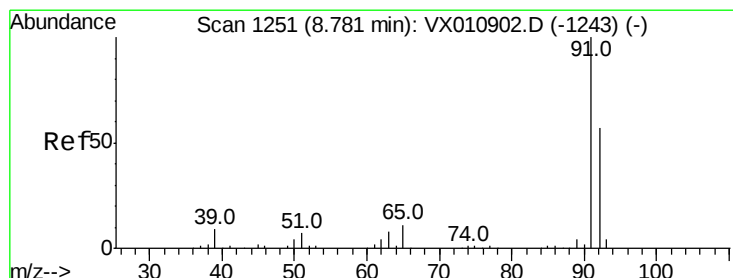
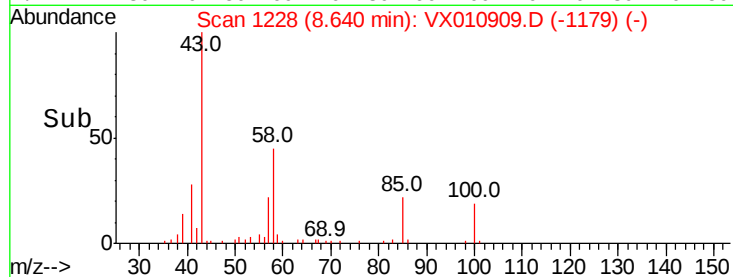
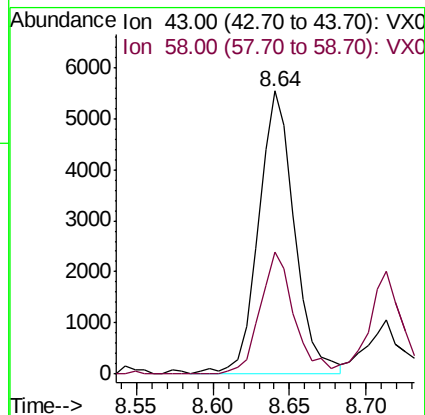
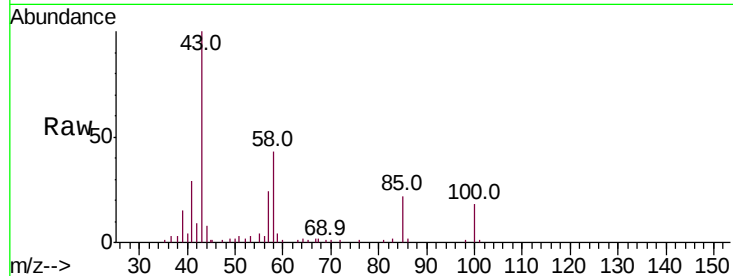
58 41.0 32.2 48.4

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#52

Toluene

Concen: 0.655 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010909.D

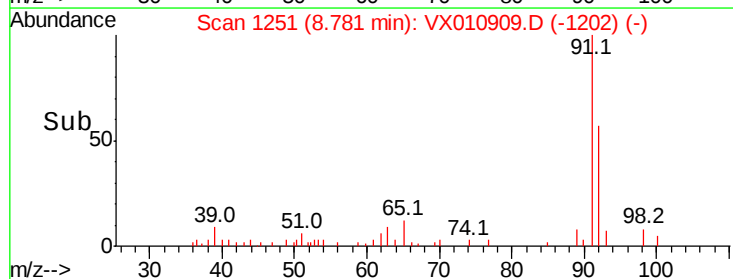
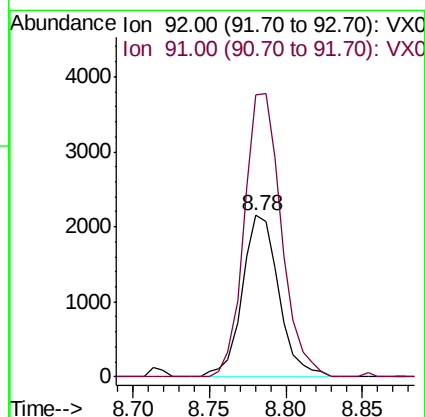
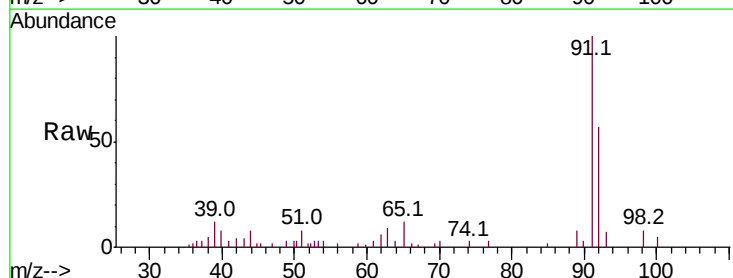
Acq: 16 Jul 2019 16:19

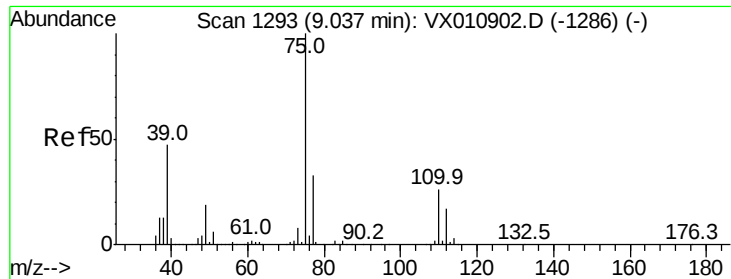
Tgt Ion: 92 Resp: 3578

Ion Ratio Lower Upper

92 100

91 177.7 139.4 209.0





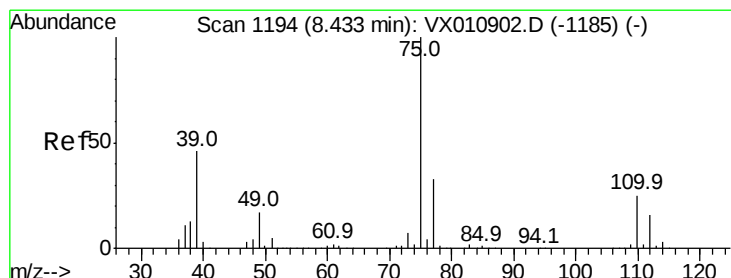
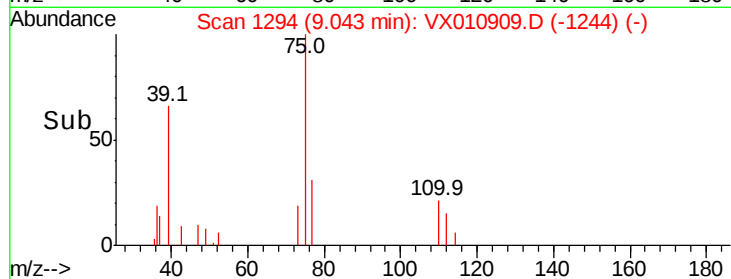
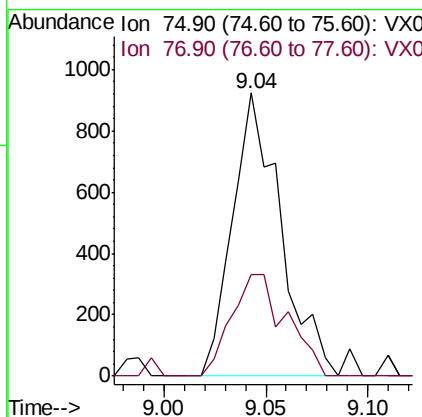
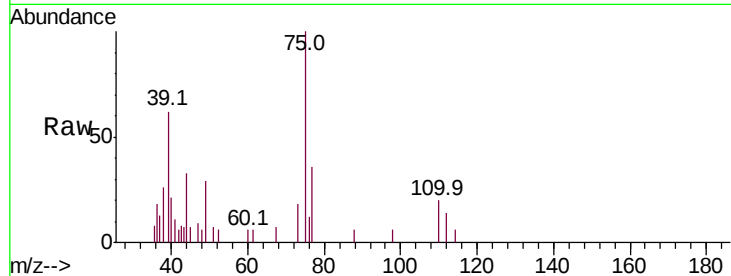
#53
t-1,3-Dichloropropene
Concen: 0.523 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion: 75 Resp: 1513
Ion Ratio Lower Upper
75 100
77 35.8 26.2 39.2

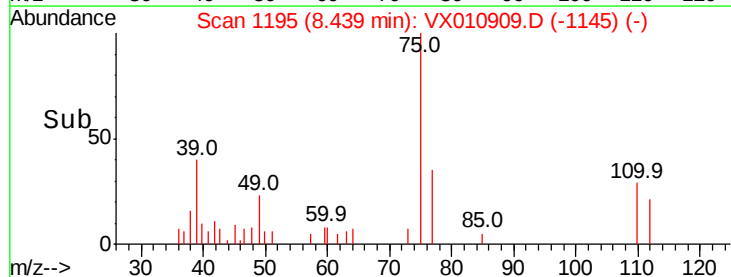
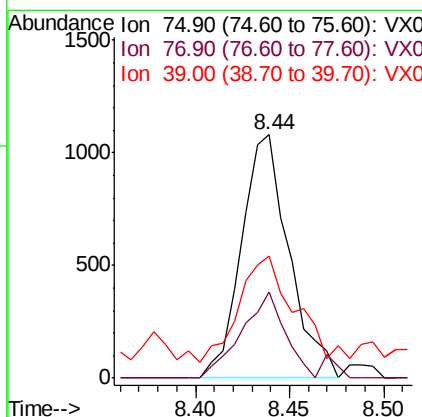
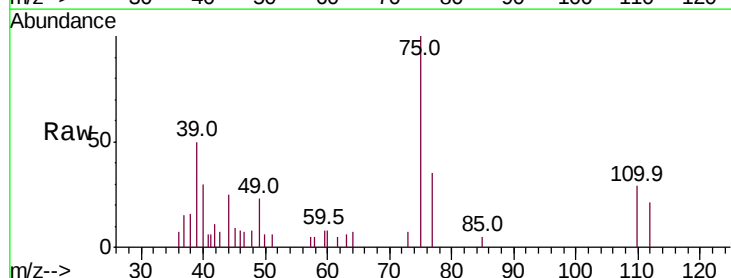
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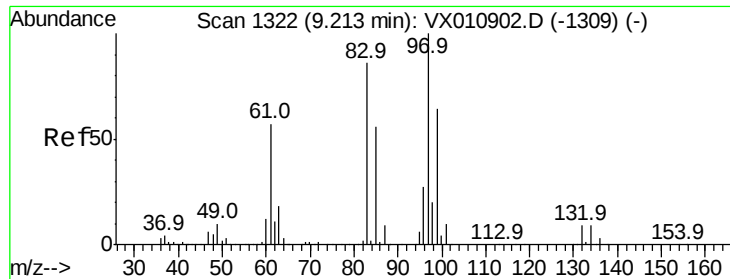
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 0.588 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion: 75 Resp: 1895
Ion Ratio Lower Upper
75 100
77 35.2 26.1 39.1
39 38.8 36.6 54.8





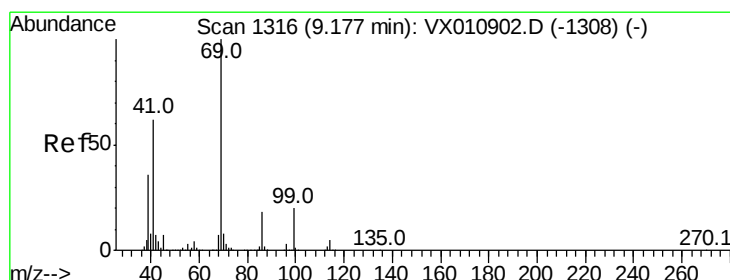
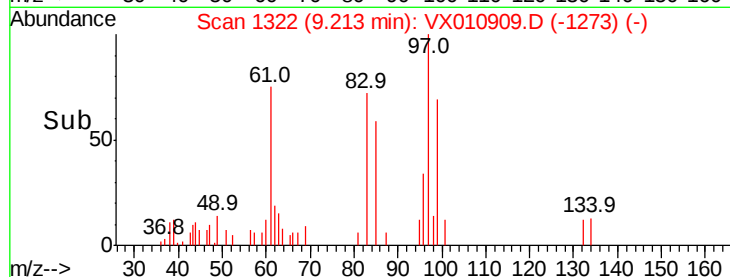
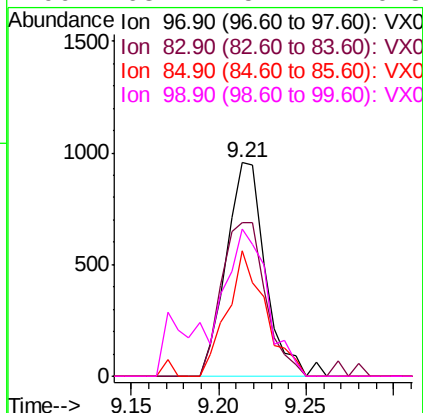
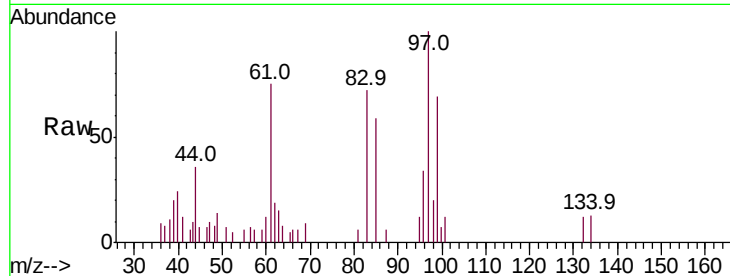
#55
 1,1,2-Trichloroethane
 Concen: 0.664 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	72.1	69.2	103.8
85	58.8	44.6	66.8
99	68.7	51.2	76.8

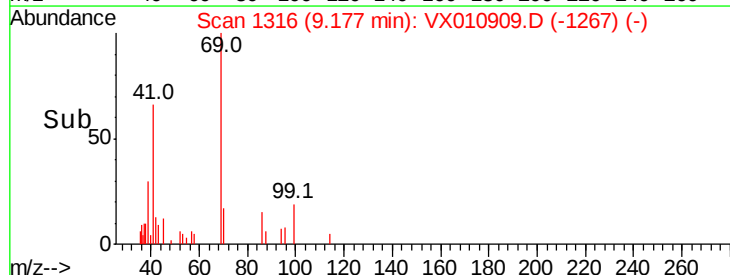
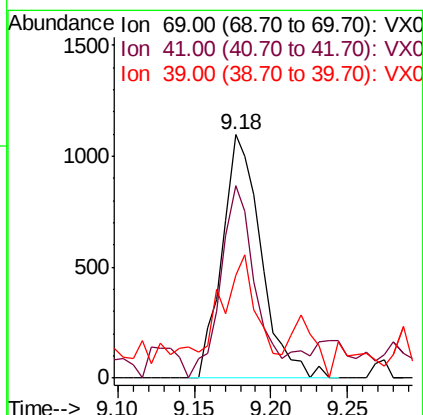
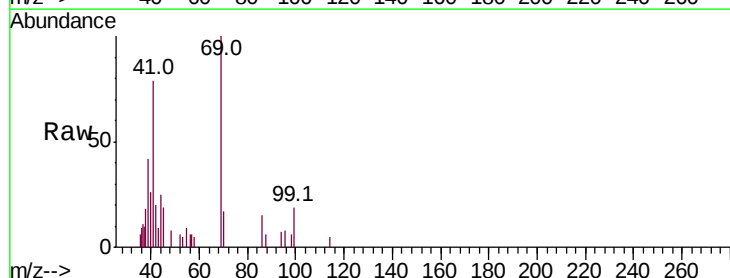
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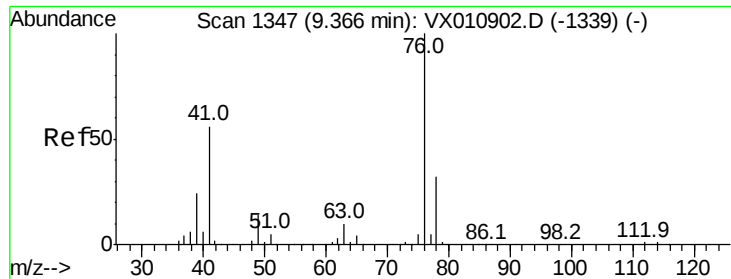
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#56
 Ethyl methacrylate
 Concen: 0.586 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.8	49.7	74.5
39	44.8	29.6	44.4#





#57

1,3-Dichloropropane

Concen: 0.658 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :
MSVOA_X

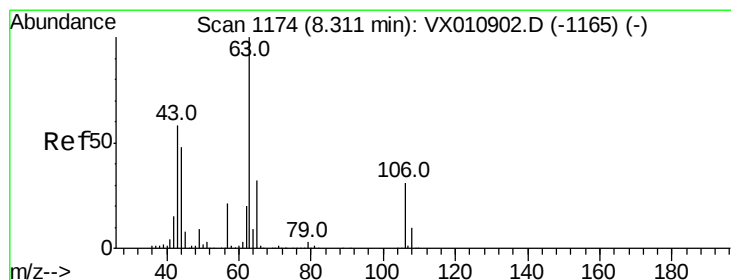
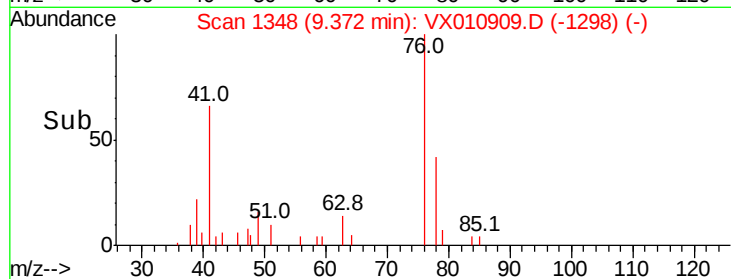
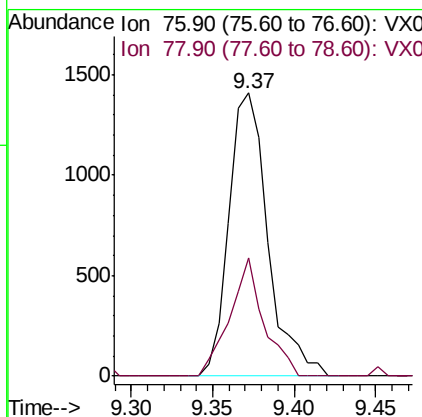
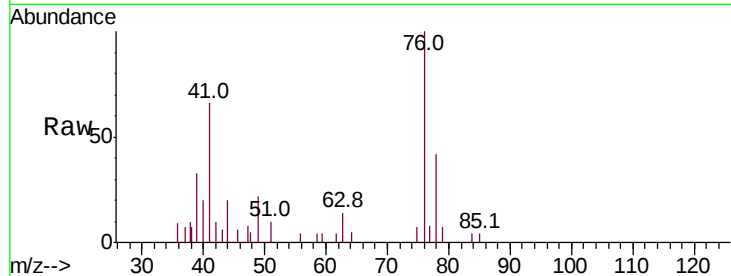
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 76 Resp: 2348

Ion	Ratio	Lower	Upper
76	100		
78	36.0	25.6	38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 2.642 ug/l

RT: 8.31 min Scan# 1174

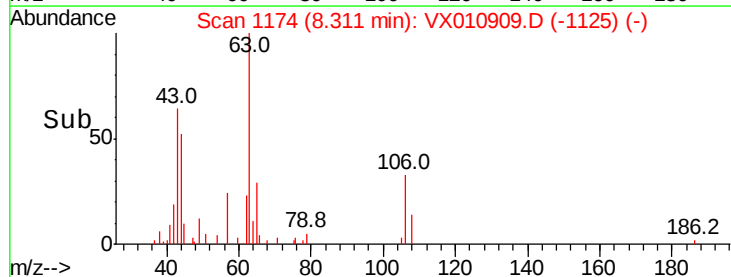
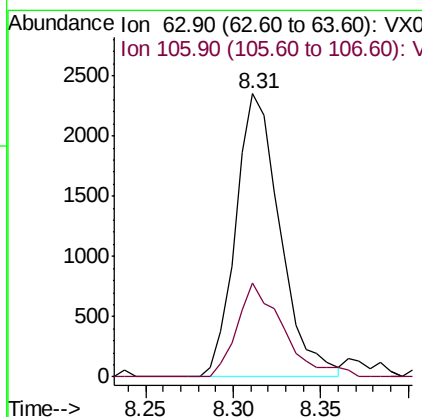
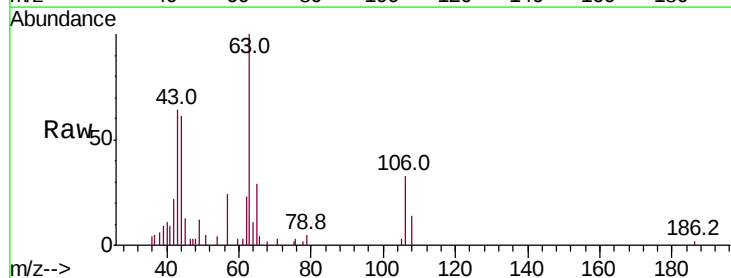
Delta R.T. -0.00 min

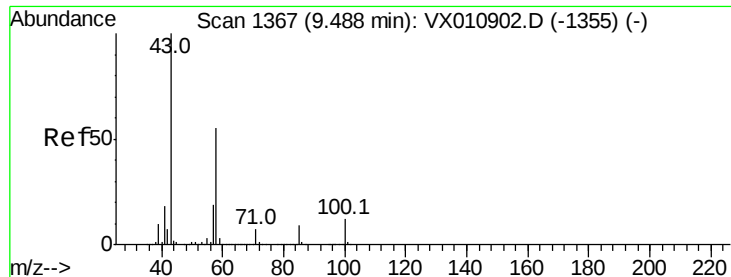
Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion: 63 Resp: 4151

Ion	Ratio	Lower	Upper
63	100		
106	34.5	24.0	36.0





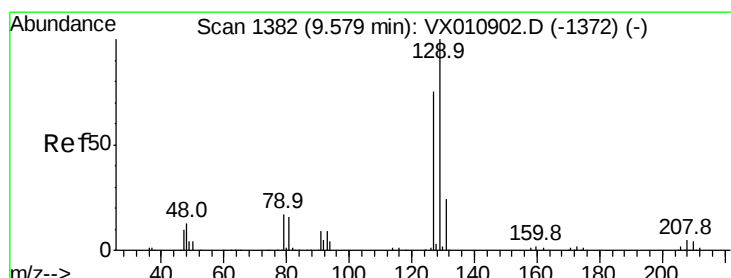
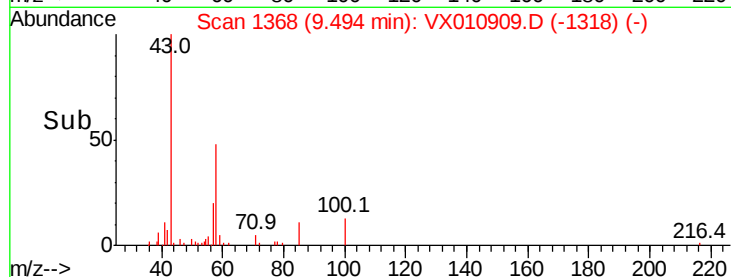
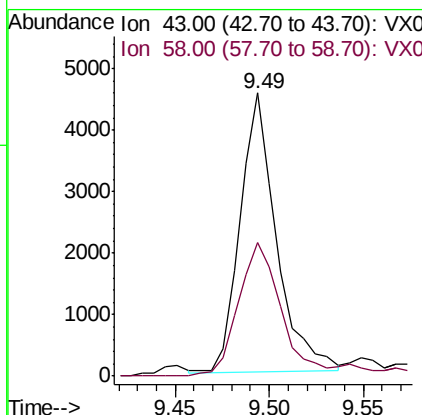
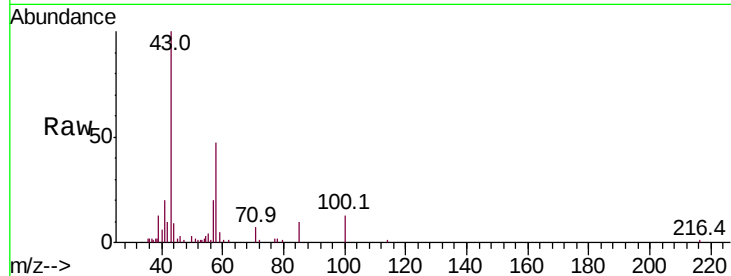
#59
2-Hexanone
Concen: 2.642 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion: 43 Resp: 6074
Ion Ratio Lower Upper
43 100
58 59.4 28.0 83.9

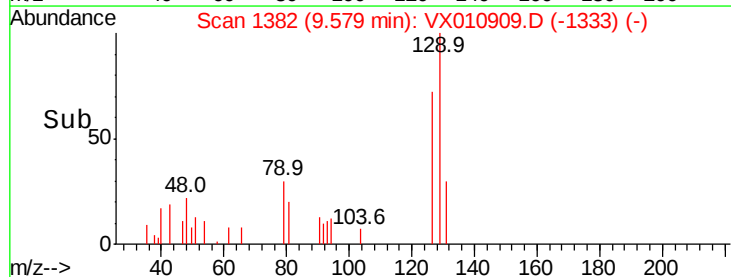
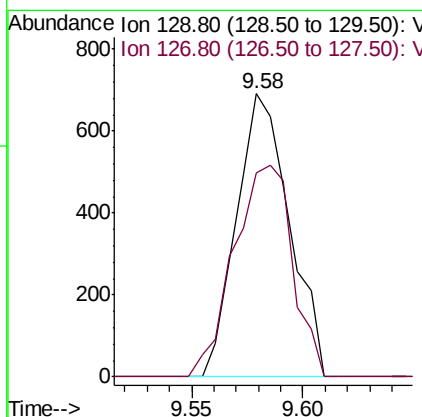
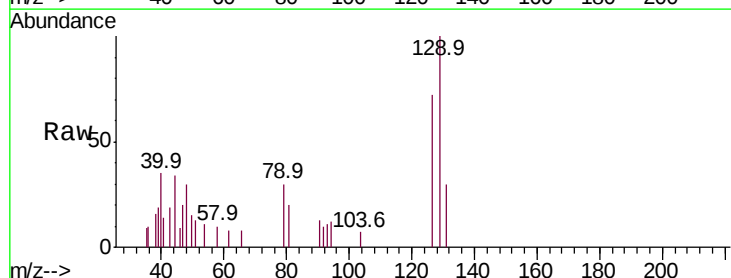
Manual Integrations
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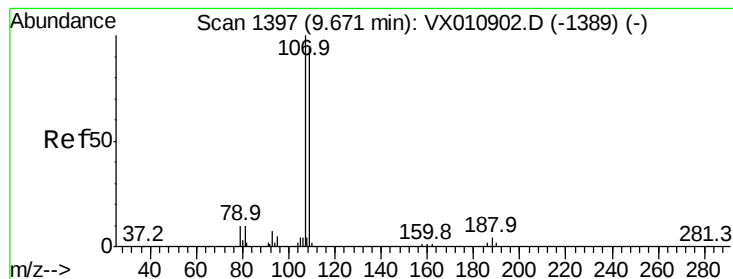
MMDadoda
7/17/2019 10:45:38 AM



#60
Dibromochloromethane
Concen: 0.502 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion: 129 Resp: 1143
Ion Ratio Lower Upper
129 100
127 82.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.632 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:107 Resp: 1508

Ion Ratio Lower Upper

107 100

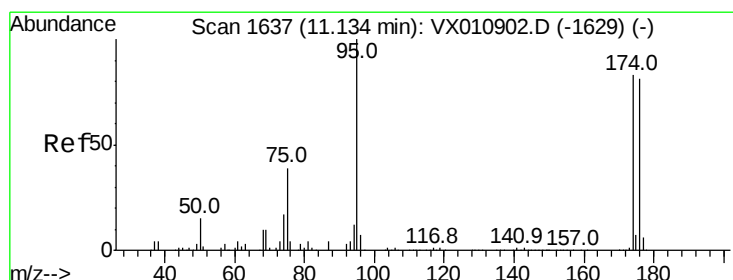
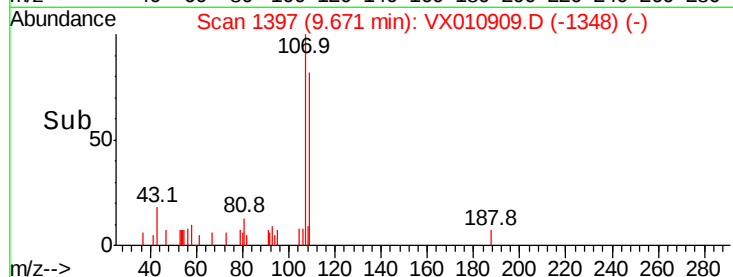
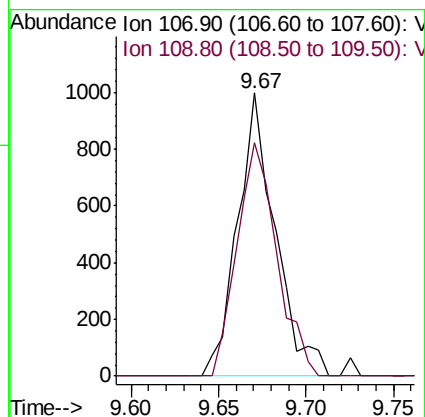
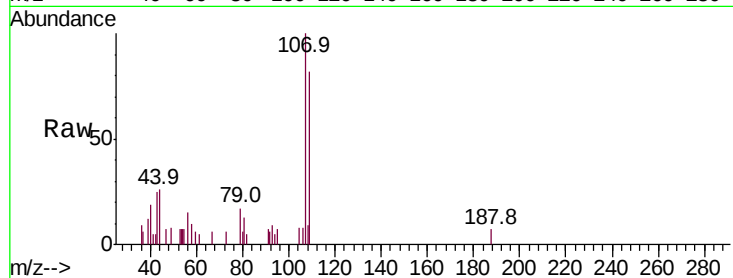
109 86.5 75.4 113.0

Manual Integrations

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MMDadoda

7/17/2019 10:45:38 AM



#62

4-Bromofluorobenzene

Concen: 42.812 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

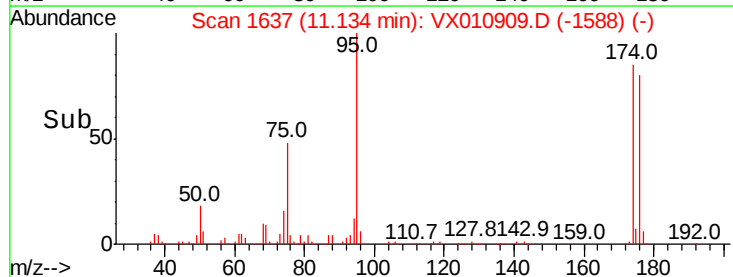
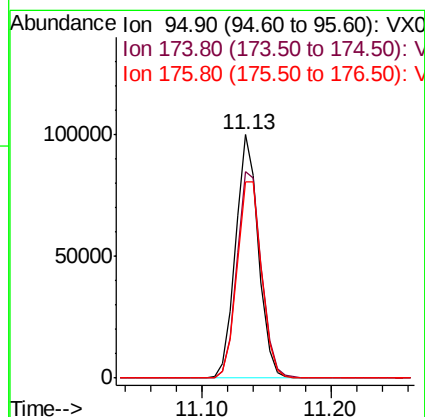
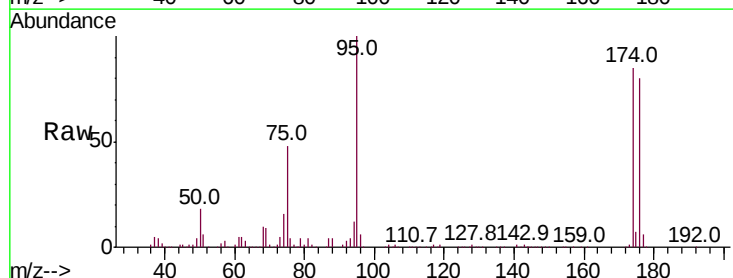
Tgt Ion: 95 Resp: 123839

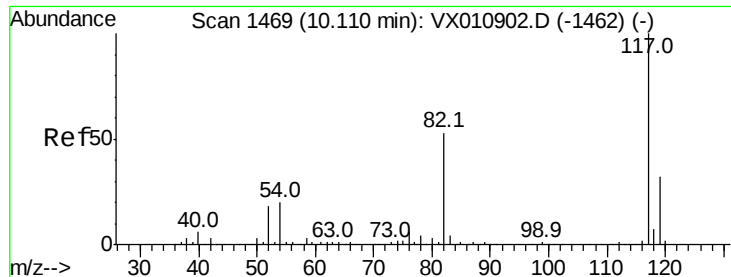
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

176 86.9 0.0 173.8





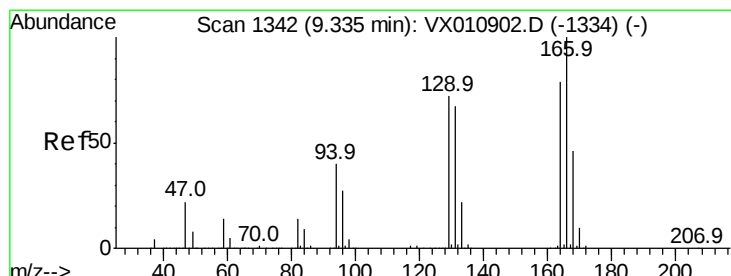
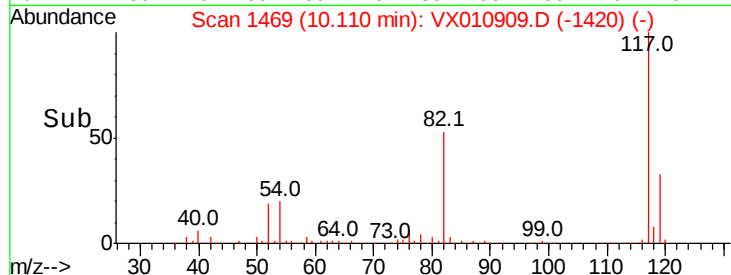
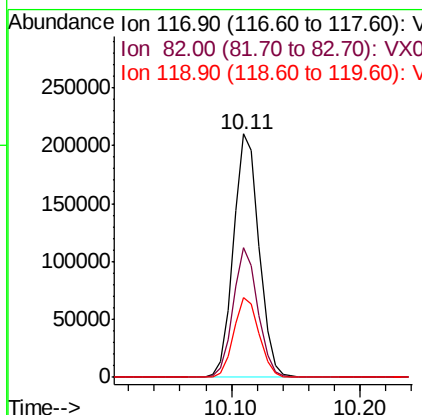
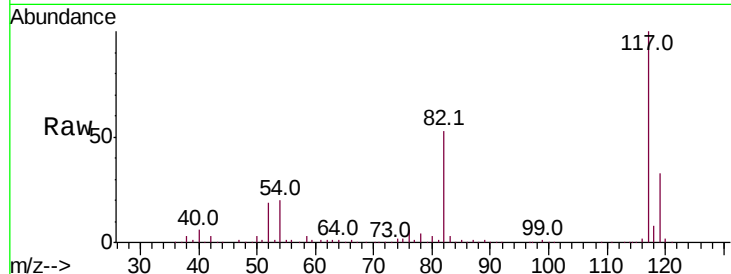
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.6	63.8
119	32.6	25.9	38.9

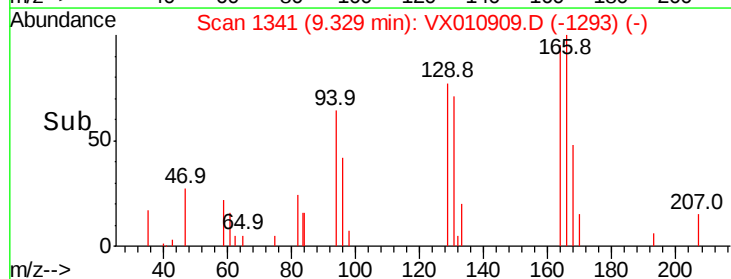
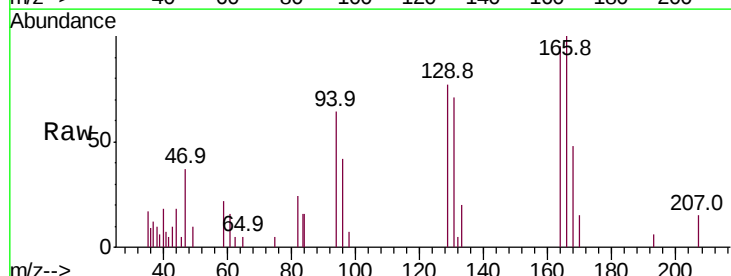
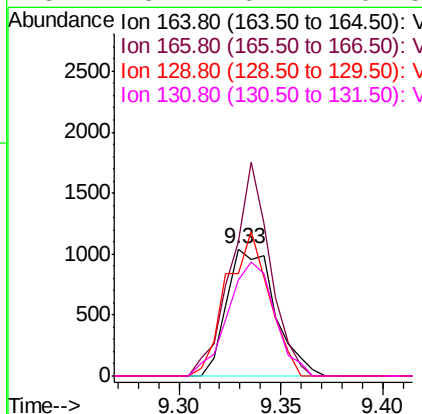
Manual Integrations
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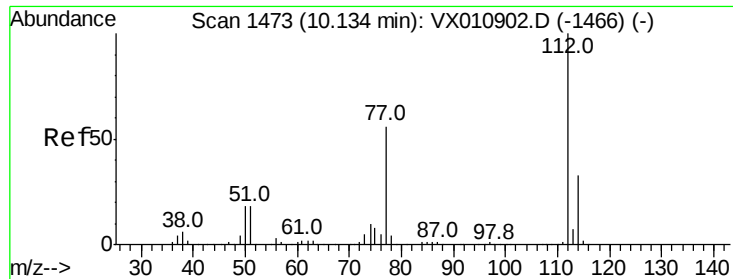
MMDadoda
7/17/2019 10:45:38 AM



#64
Tetrachloroethene
Concen: 0.745 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	105.5	100.8	151.2
129	81.0	72.6	109.0
131	75.2	67.7	101.5





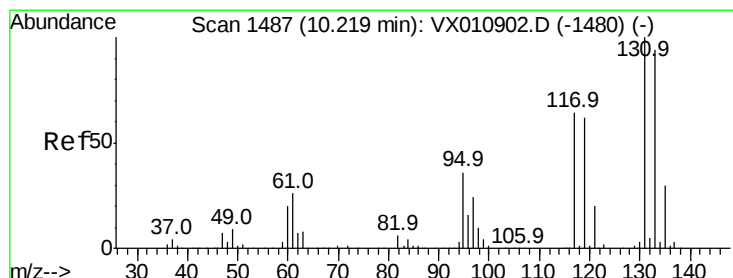
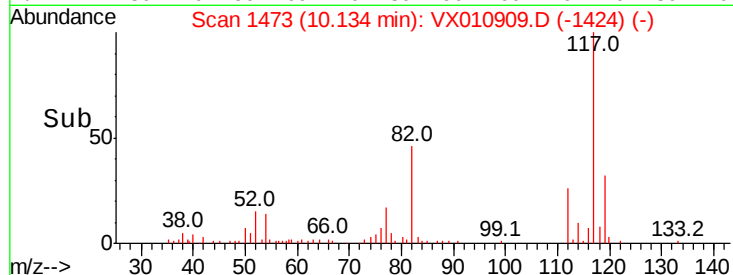
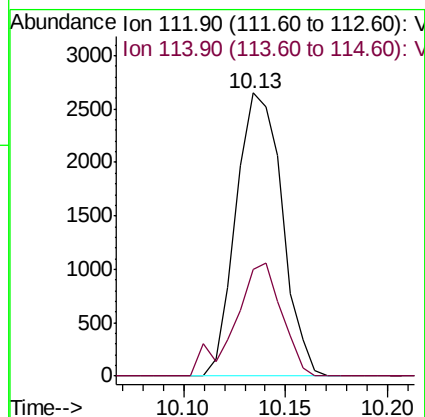
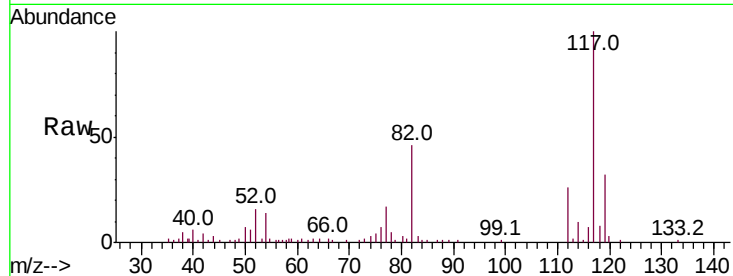
#65
Chlorobenzene
Concen: 0.697 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion:112 Resp: 4159
Ion Ratio Lower Upper
112 100
114 37.9 26.2 39.4

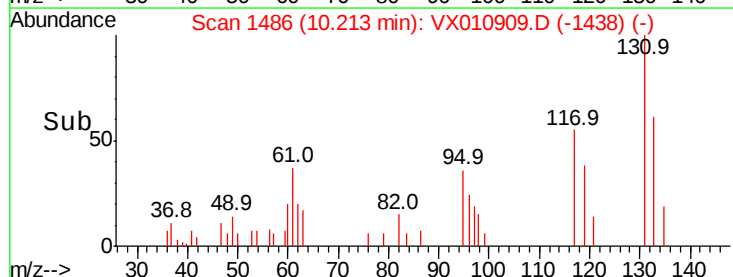
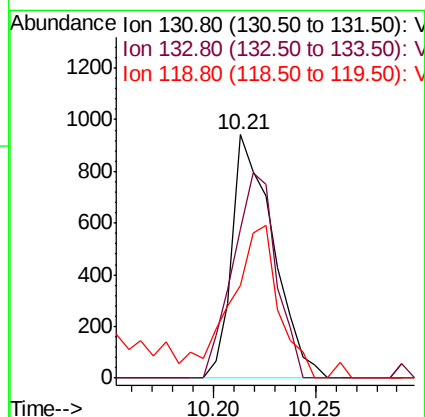
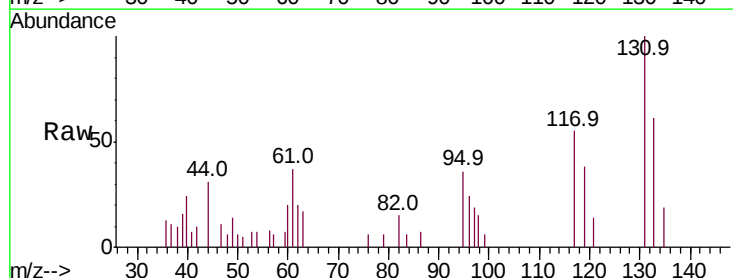
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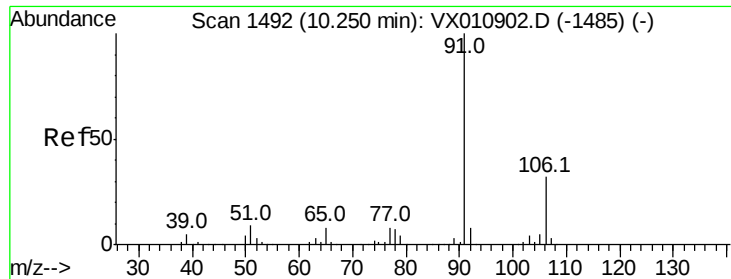
MMDadoda
7/17/2019 10:45:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.630 ug/l
RT: 10.21 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion:131 Resp: 1320
Ion Ratio Lower Upper
131 100
133 87.8 47.1 141.4
119 0.0 31.9 95.7#





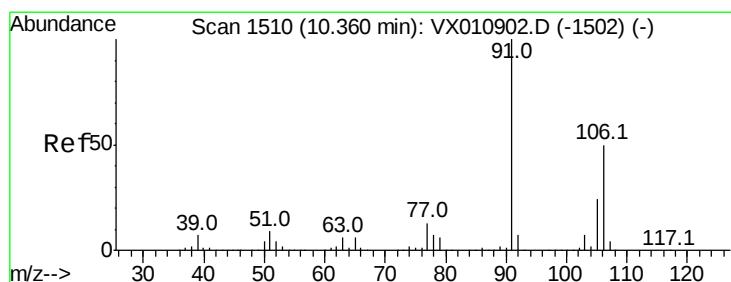
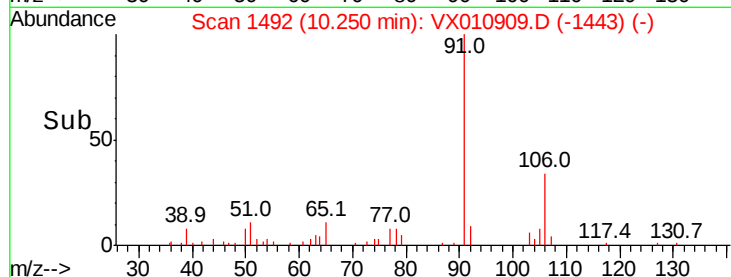
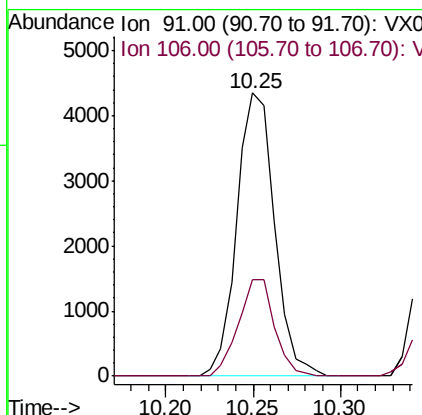
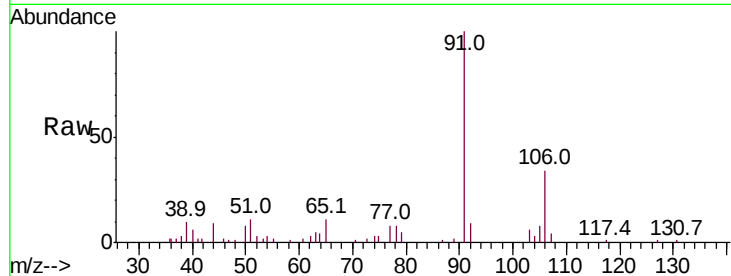
#67
Ethyl Benzene
Concen: 0.642 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion: 91 Resp: 6521
Ion Ratio Lower Upper
91 100
106 33.9 25.4 38.2

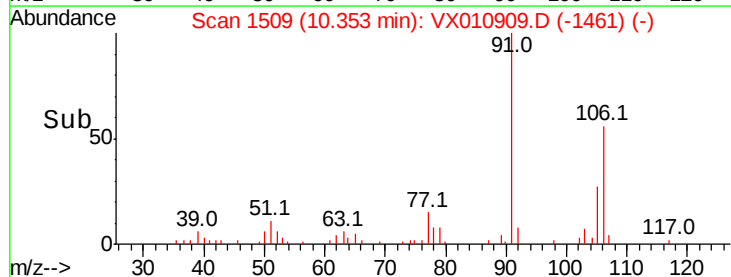
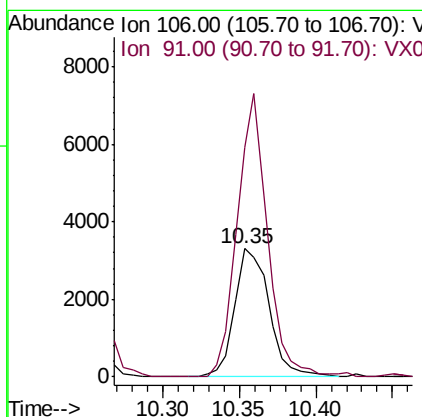
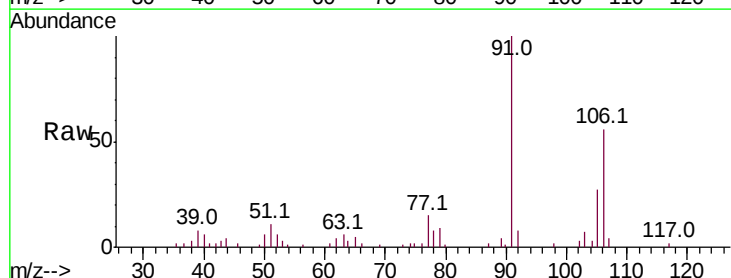
Manual Integrations
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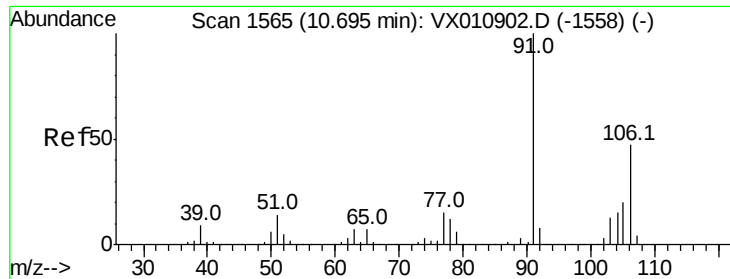
MMDadoda
7/17/2019 10:45:38 AM



#68
m/p-Xylenes
Concen: 1.340 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion: 106 Resp: 5221
Ion Ratio Lower Upper
106 100
91 192.4 160.1 240.1





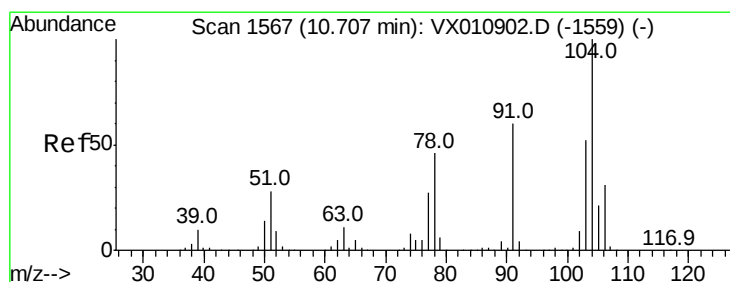
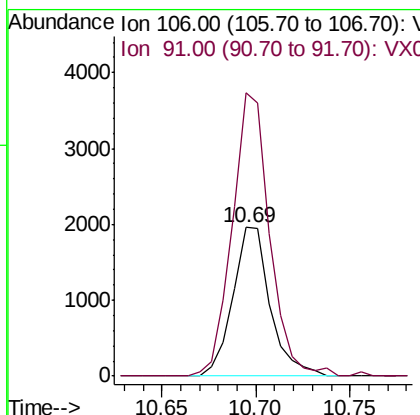
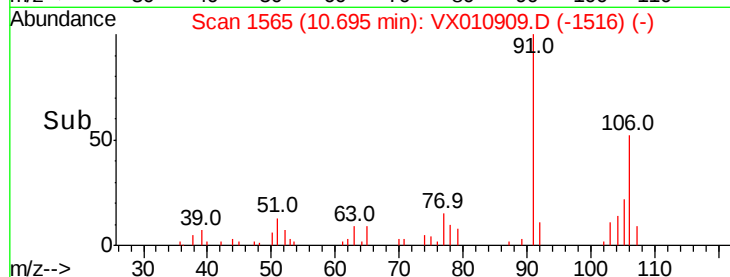
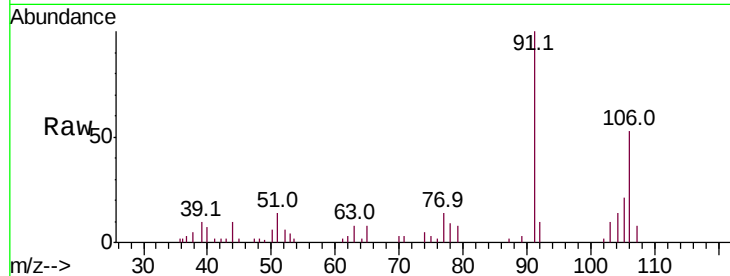
#69
o-Xylene
Concen: 0.711 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion:106 Resp: 2702
Ion Ratio Lower Upper
106 100
91 189.9 105.1 315.3

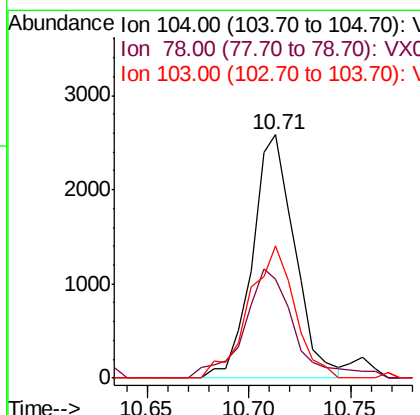
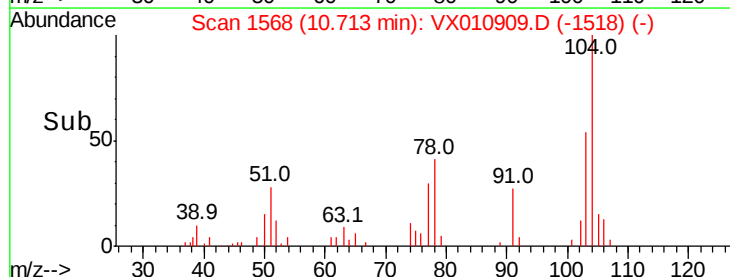
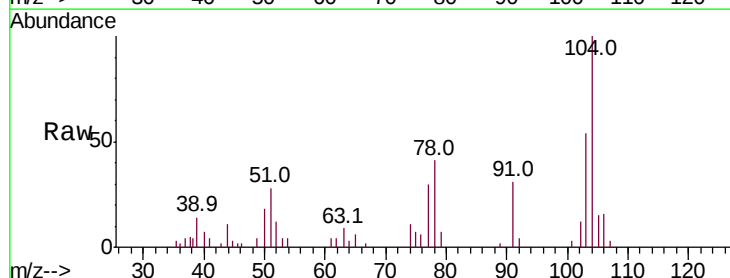
Manual Integrations
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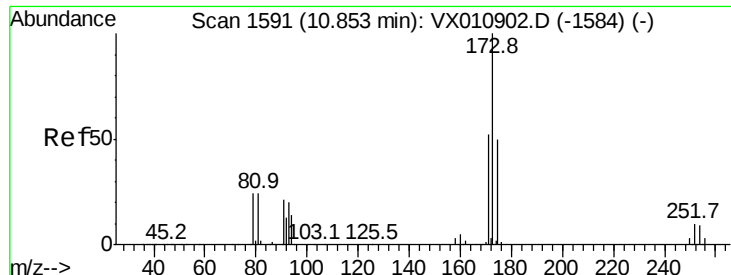
MMDadoda
7/17/2019 10:45:38 AM



#70
Styrene
Concen: 0.588 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion:104 Resp: 3729
Ion Ratio Lower Upper
104 100
78 52.9 38.8 58.2
103 58.8 44.2 66.4





#71

Bromoform

Concen: 0.478 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:173 Resp: 799

Ion Ratio Lower Upper

173 100

175 44.1 24.6 73.6

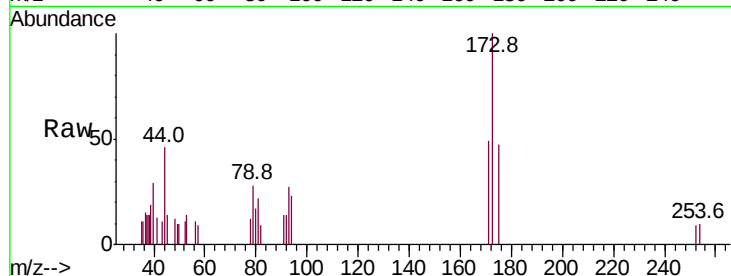
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

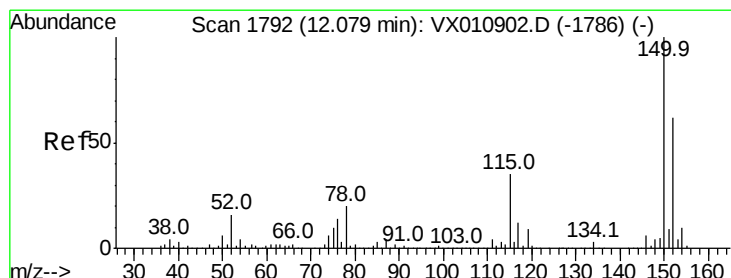
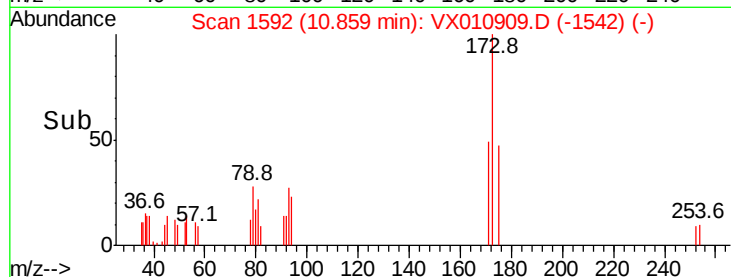
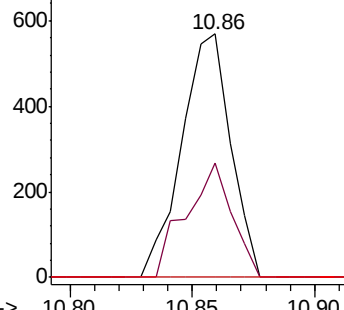
7/17/2019 10:45:38 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

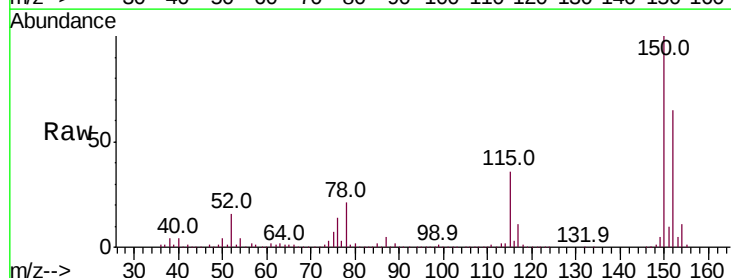
Tgt Ion:152 Resp: 139838

Ion Ratio Lower Upper

152 100

115 56.8 39.7 119.1

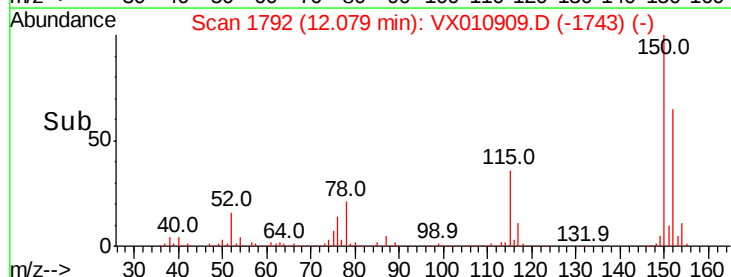
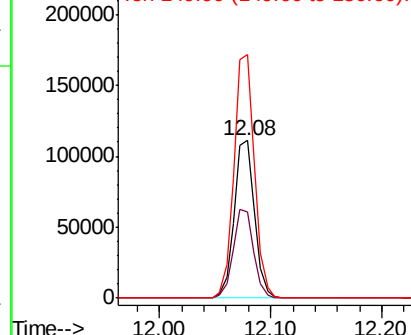
150 155.2 0.0 345.6

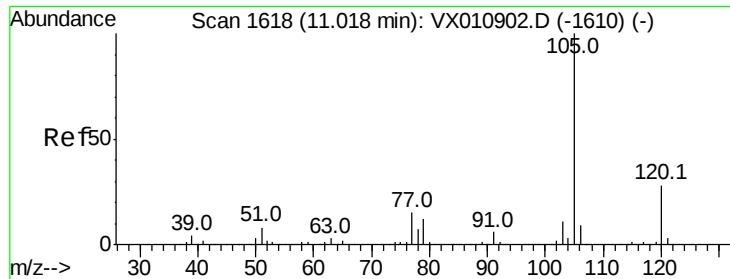


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





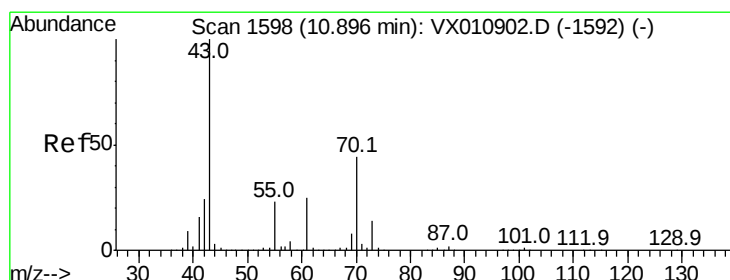
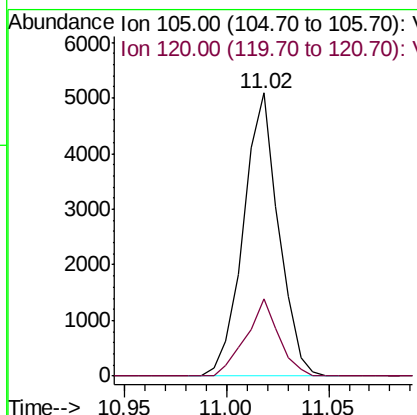
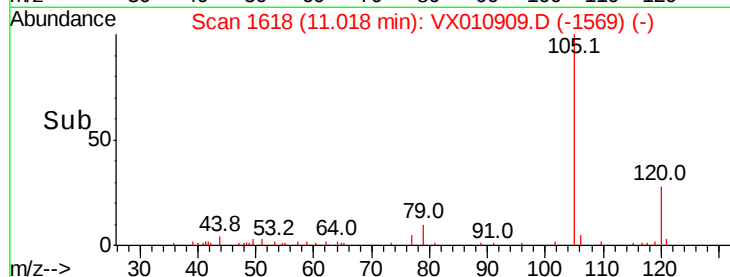
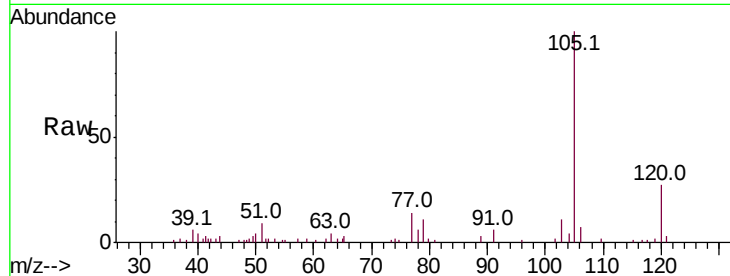
#73
Isopropylbenzene
Concen: 0.647 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion: 105 Resp: 6109
Ion Ratio Lower Upper
105 100
120 25.7 13.7 41.1

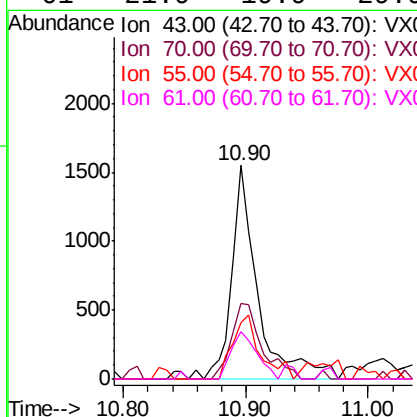
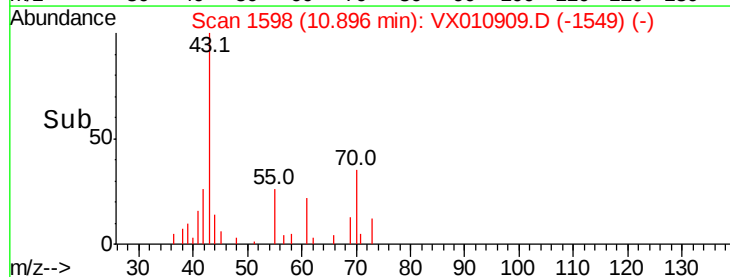
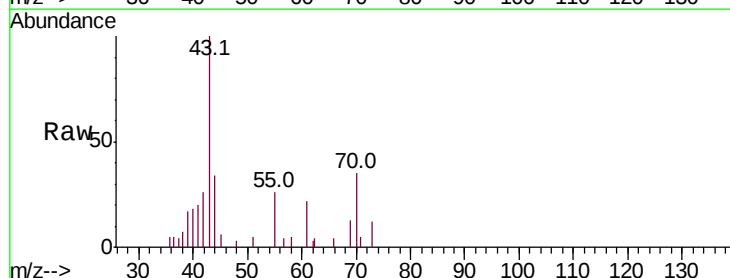
Manual Integrations
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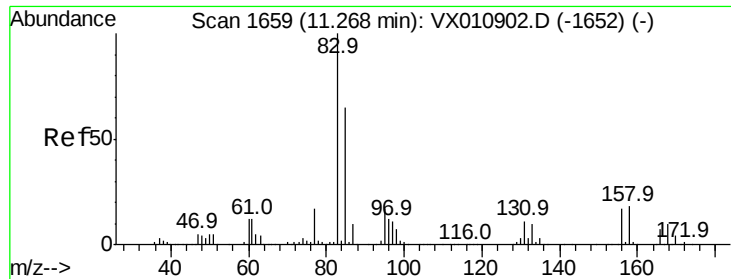
MMDadoda
7/17/2019 10:45:38 AM



#74
N-ethyl acetate
Concen: 0.629 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
70 41.4 34.7 52.1
55 31.5 19.1 28.7#
61 21.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 0.662 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

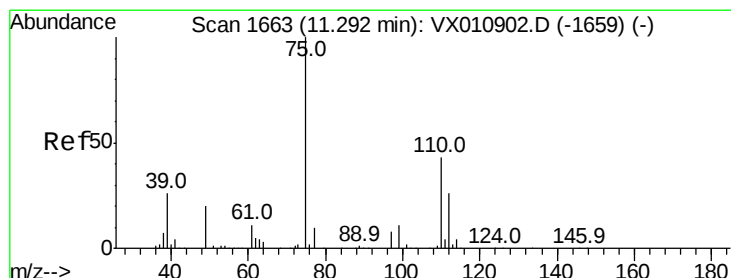
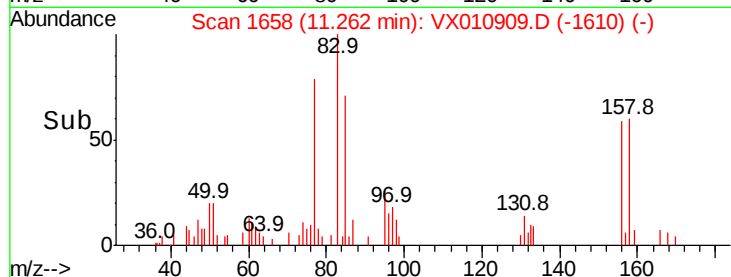
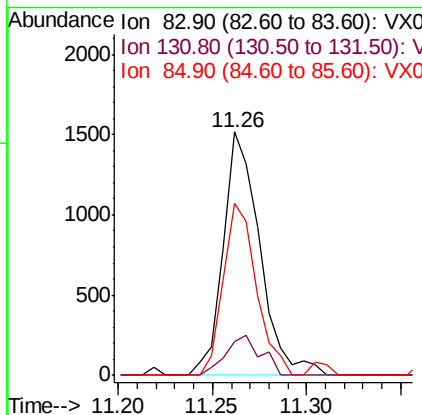
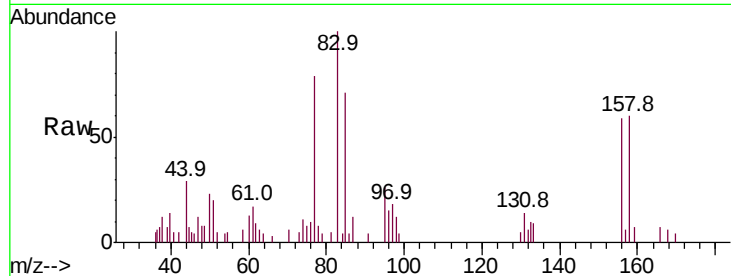
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	83	Resp:	2046
Ion	Ratio	Lower	Upper
83	100		
131	15.7	5.5	16.4
85	63.8	32.3	96.9

Manual Integrations
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MMDadoda
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#76

1,2,3-Trichloropropane

Concen: 0.737 ug/l m

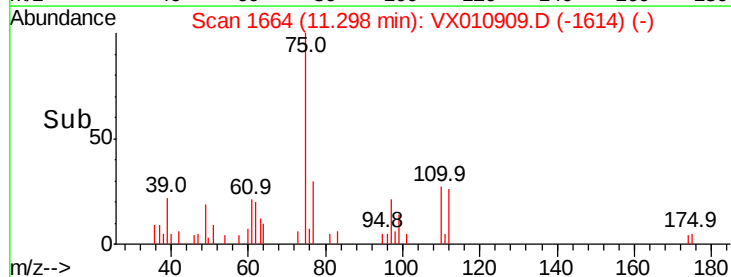
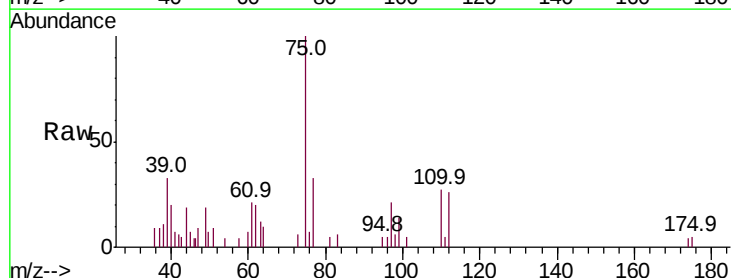
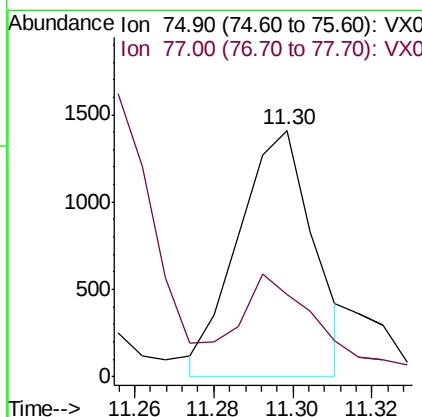
RT: 11.30 min Scan# 1664

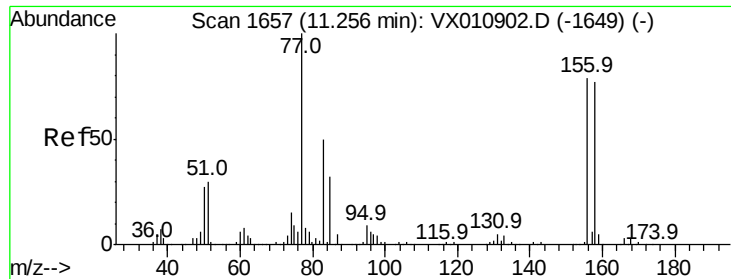
Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	75	Resp:	1860
Ion	Ratio	Lower	Upper
75	100		
77	43.6	21.3	64.0





#77

Bromobenzene

Concen: 0.690 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:156 Resp: 1799

Ion Ratio Lower Upper

156 100

77 143.6 68.7 206.1

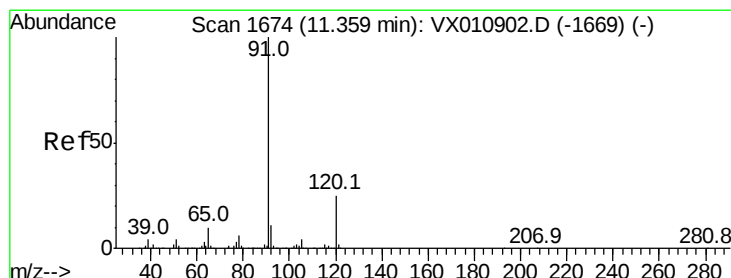
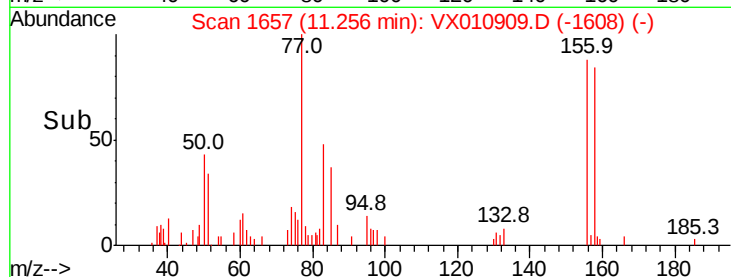
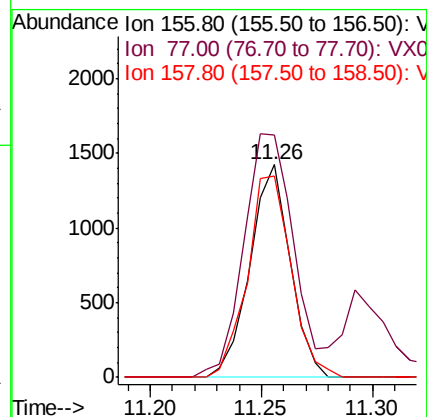
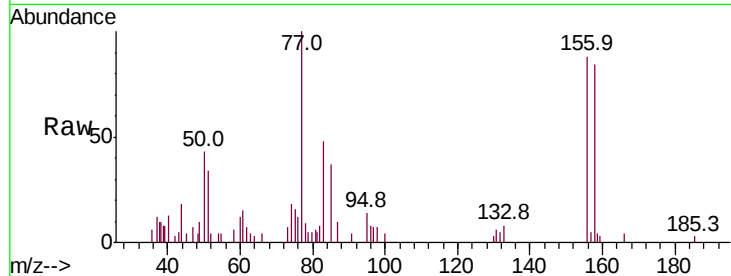
158 103.3 47.9 143.7

Manual Integrations

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MMDadoda

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#78

n-propylbenzene

Concen: 0.631 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010909.D

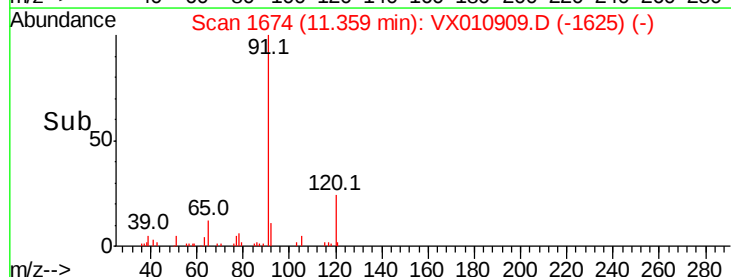
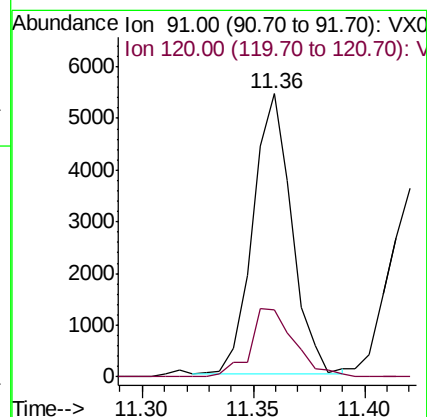
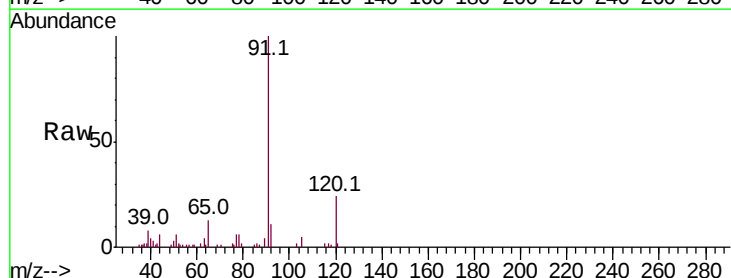
Acq: 16 Jul 2019 16:19

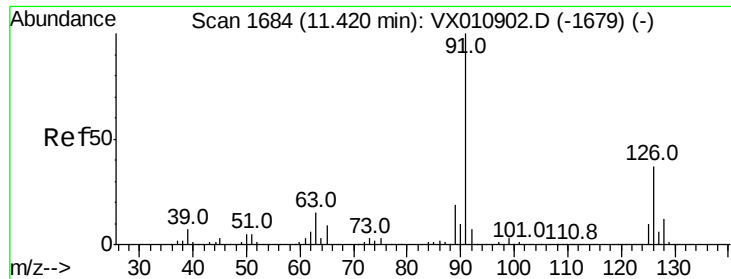
Tgt Ion: 91 Resp: 6589

Ion Ratio Lower Upper

91 100

120 27.8 12.3 36.8





#79

2-Chlorotoluene

Concen: 0.721 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 4524

Ion Ratio Lower Upper

91 100

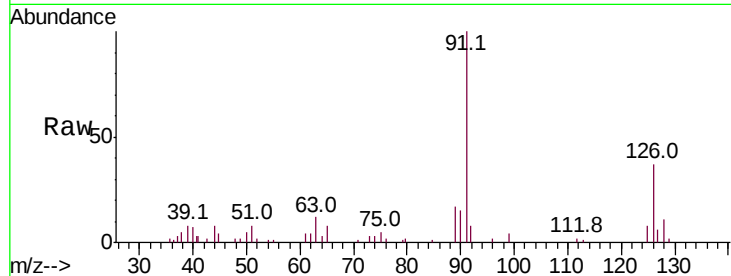
126 35.7 18.0 54.0

Manual Integrations

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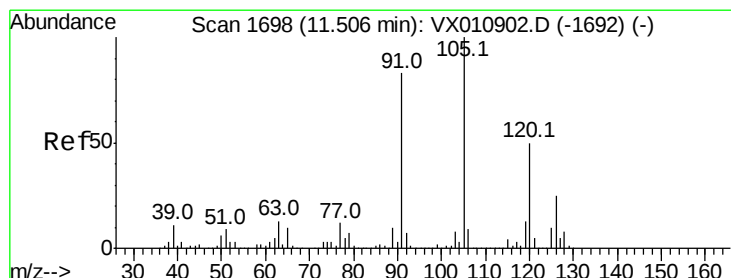
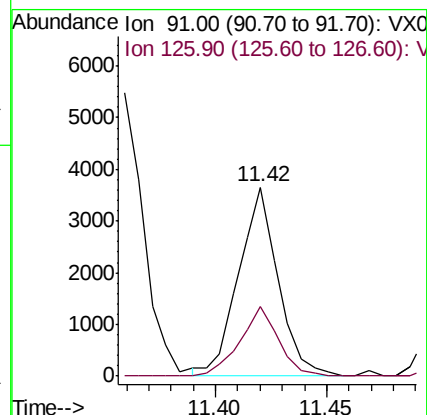
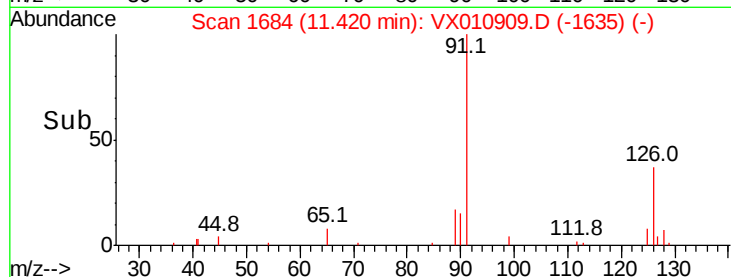
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Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.646 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010909.D

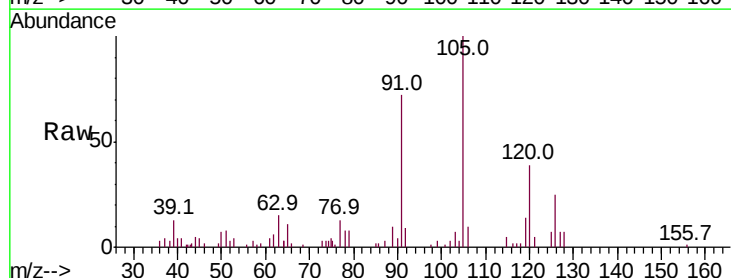
Acq: 16 Jul 2019 16:19

Tgt Ion: 105 Resp: 5098

Ion Ratio Lower Upper

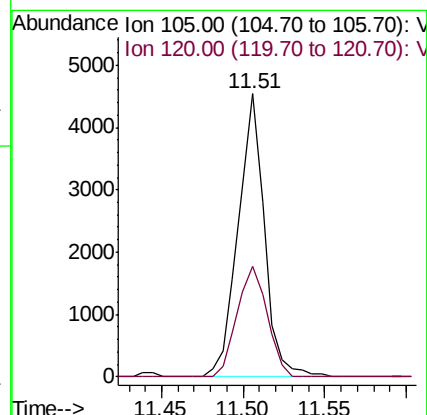
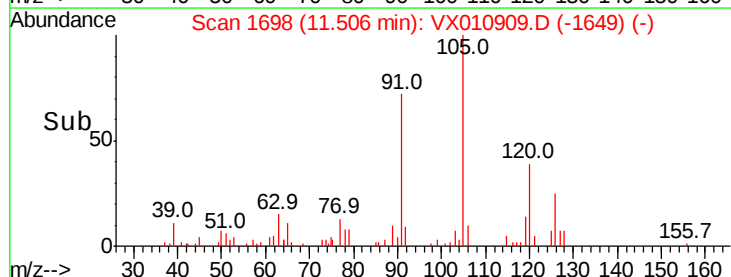
105 100

120 44.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010909.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX010909.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.491 ug/l m

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

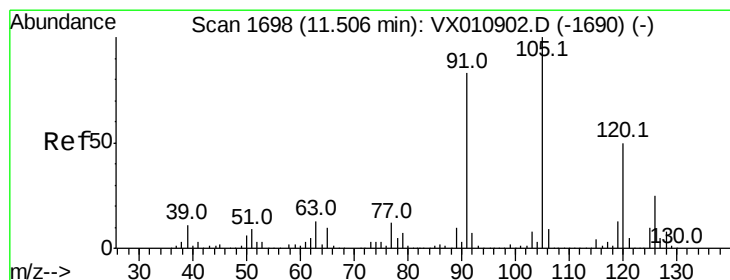
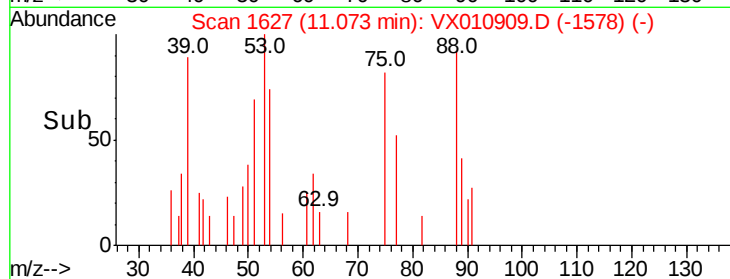
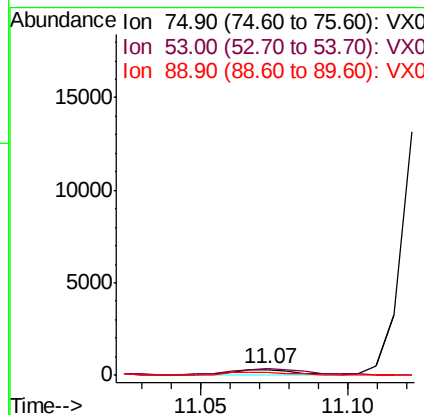
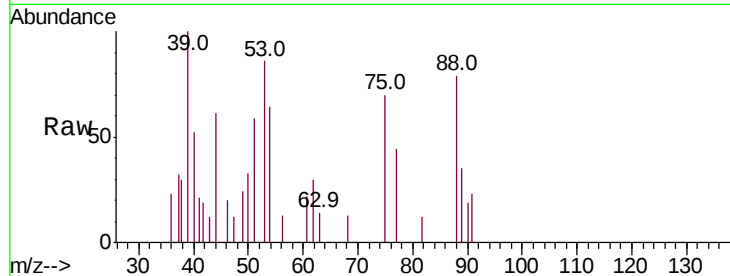
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	75	Resp:	450
Ion	Ratio	Lower	Upper
75	100		
53	0.0	76.7	115.1#
89	0.0	38.5	57.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.676 ug/l

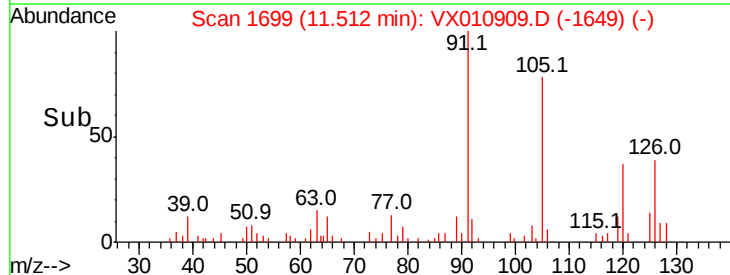
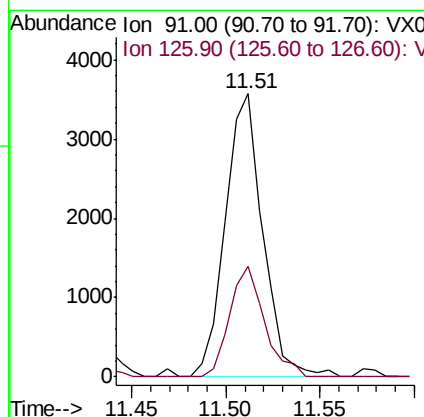
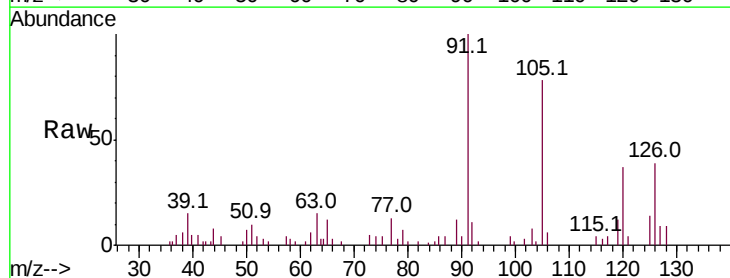
RT: 11.51 min Scan# 1699

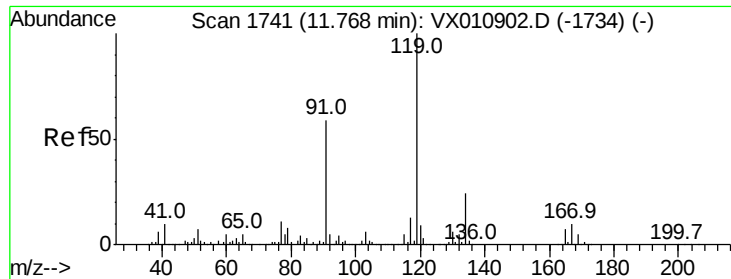
Delta R.T. 0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	91	Resp:	4935
Ion	Ratio	Lower	Upper
91	100		
126	36.1	15.9	47.7





#83

tert-Butylbenzene

Concen: 0.618 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

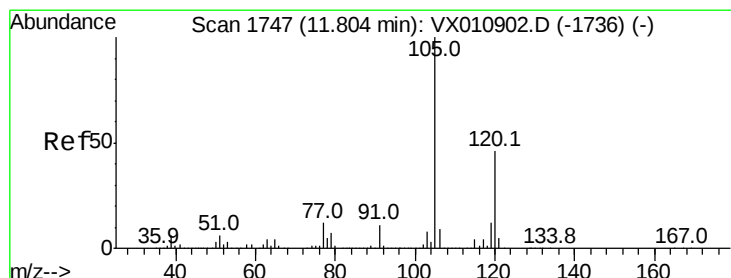
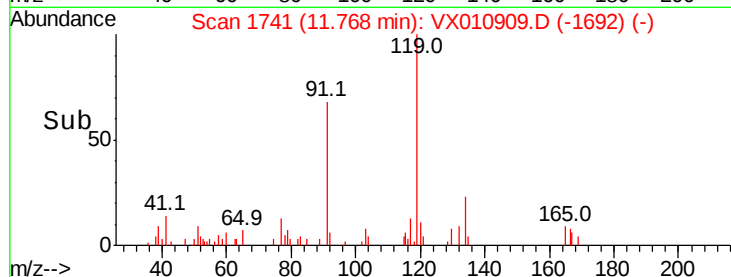
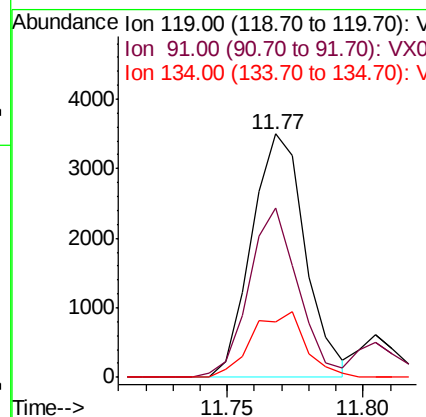
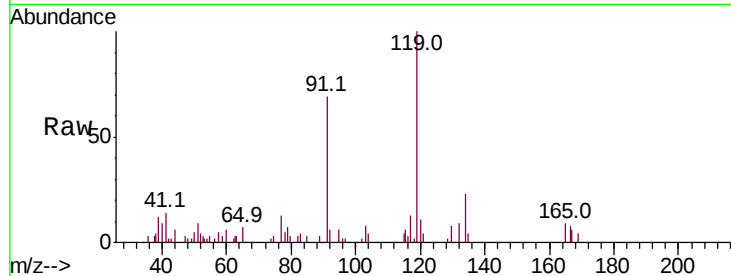
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	119	Resp:	4790
Ion Ratio	Lower	Upper	
119	100		
91	64.0	28.6	85.8
134	26.8	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.640 ug/l

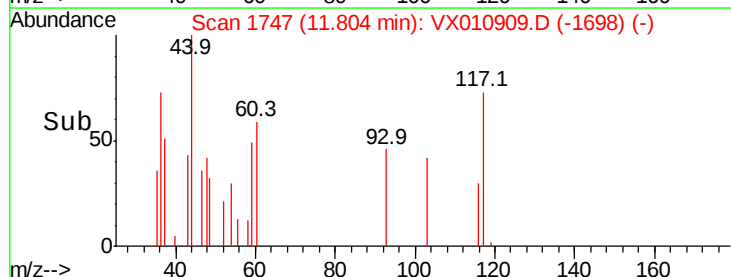
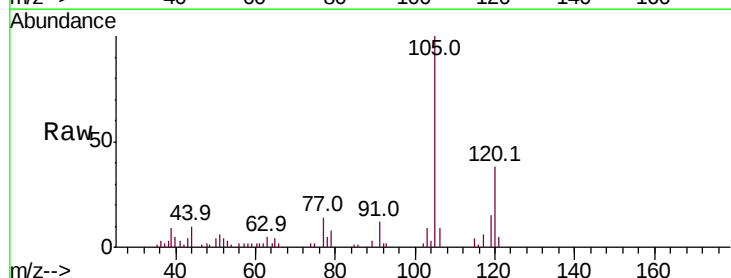
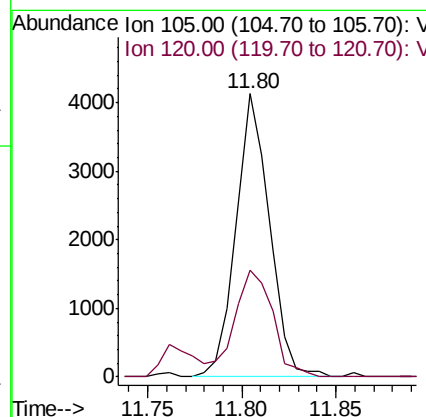
RT: 11.80 min Scan# 1747

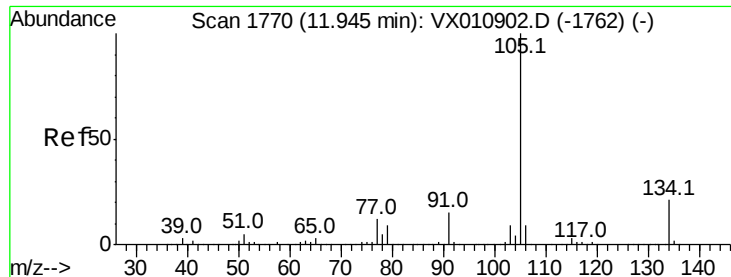
Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	105	Resp:	5096
Ion Ratio	Lower	Upper	
105	100		
120	43.1	22.9	68.5





#85

sec-Butylbenzene

Concen: 0.611 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:105 Resp: 5552

Ion Ratio Lower Upper

105 100

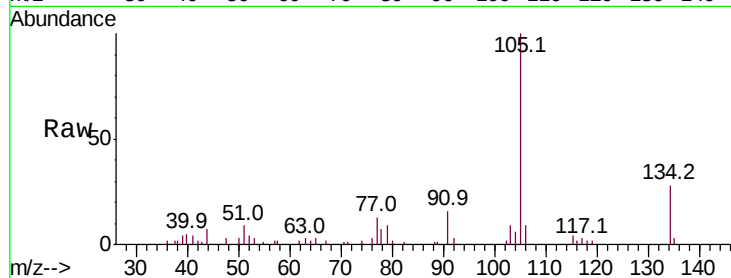
134 25.1 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

5000

4000

3000

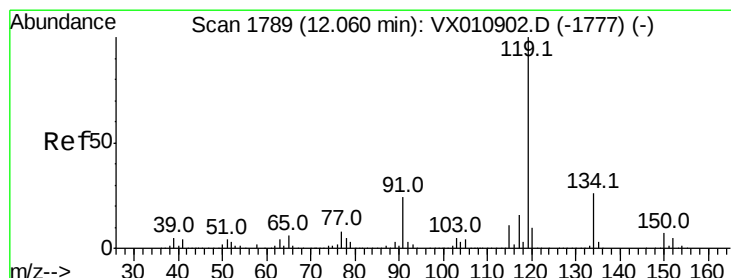
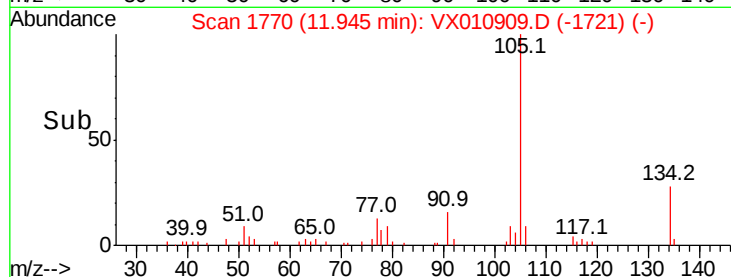
2000

1000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 0.599 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

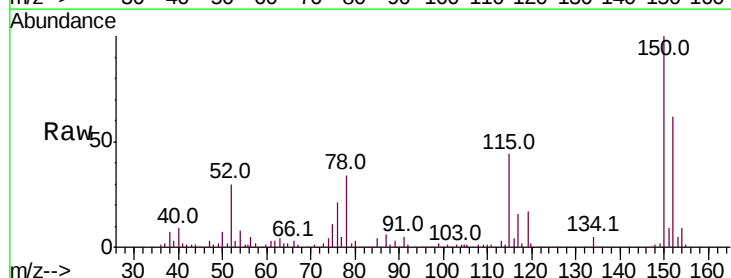
Tgt Ion:119 Resp: 5035

Ion Ratio Lower Upper

119 100

134 30.3 13.4 40.1

91 35.4 11.8 35.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

5000

4000

3000

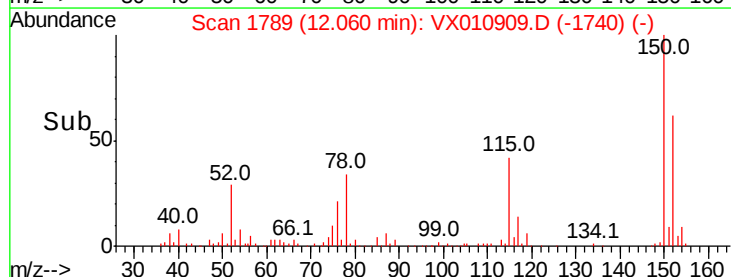
2000

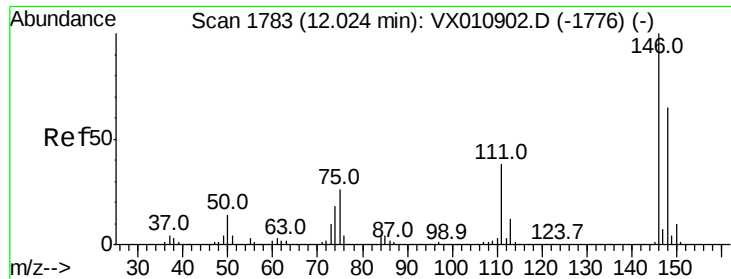
1000

0

Time-->

12.00 12.05 12.10





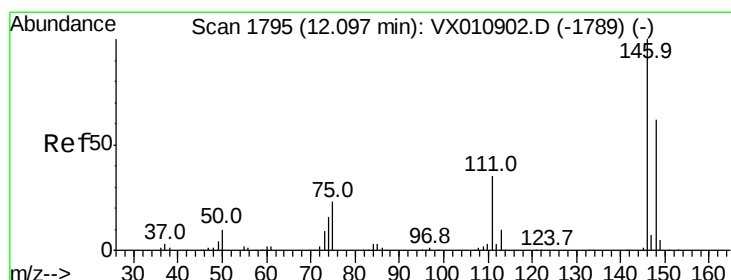
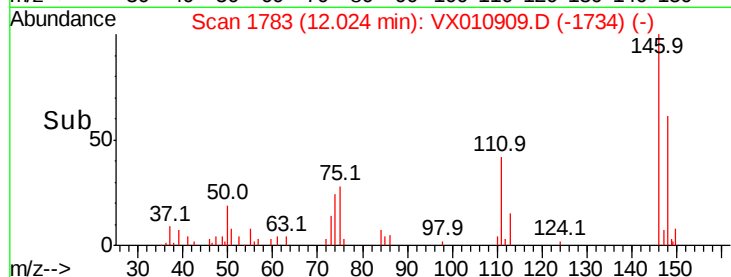
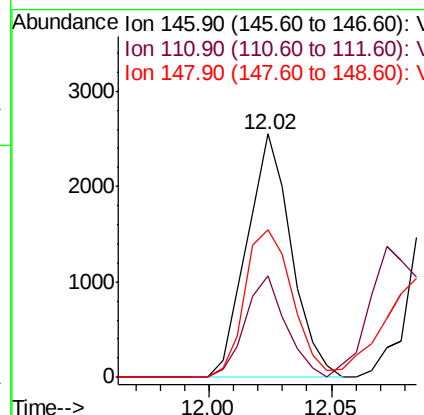
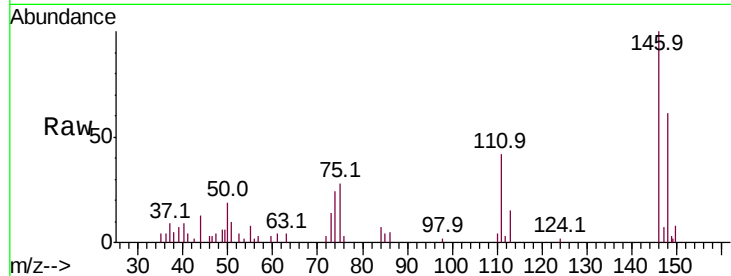
#87
 1,3-Dichlorobenzene
 Concen: 0.711 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	65.0	32.2	96.6

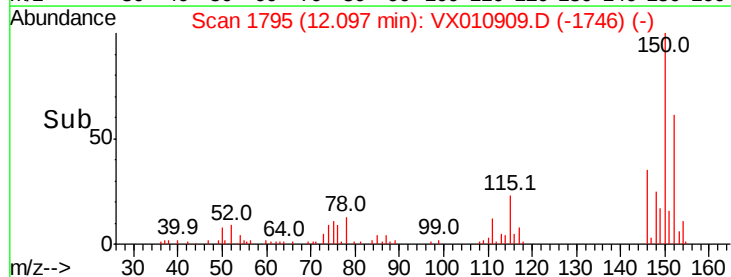
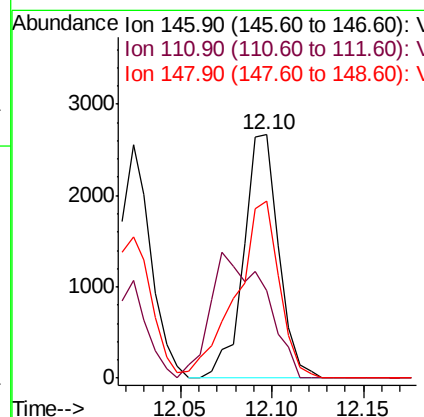
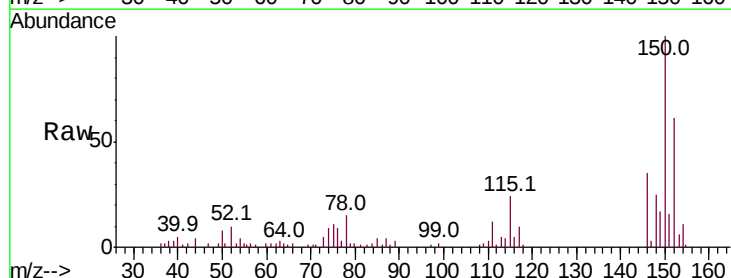
Manual Integrations
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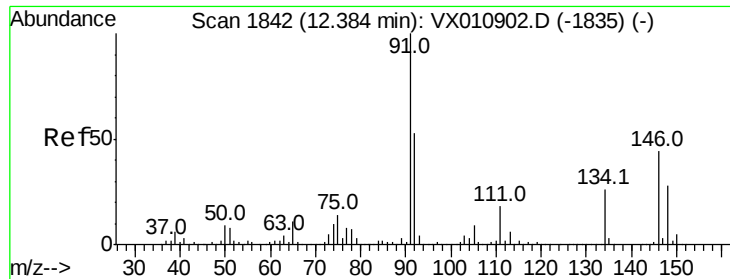
MMDadoda
 7/17/2019 10:45:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.770 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	18.6	55.8
148	58.6	31.6	94.7





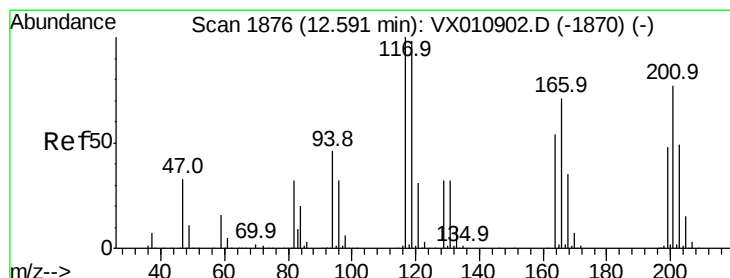
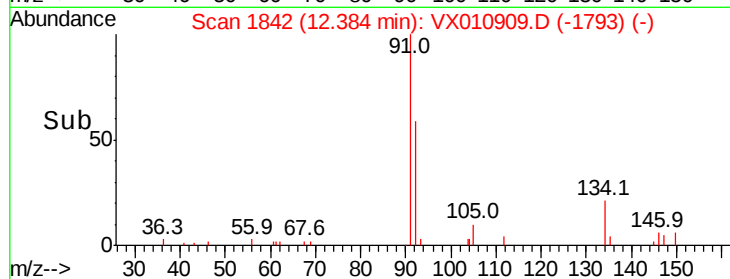
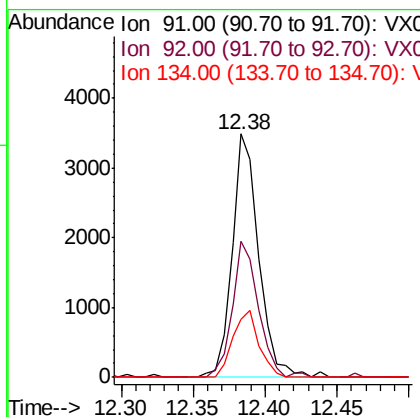
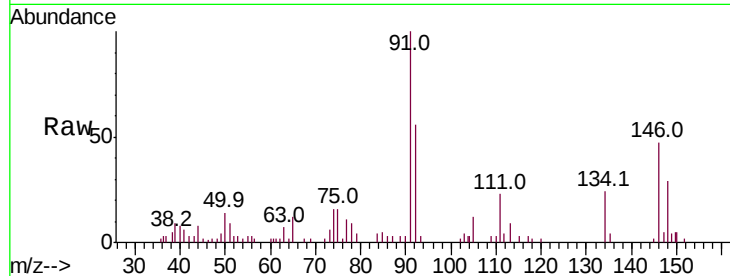
#89
n-Butylbenzene
Concen: 0.626 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	26.2	78.5
134	26.8	13.8	41.3

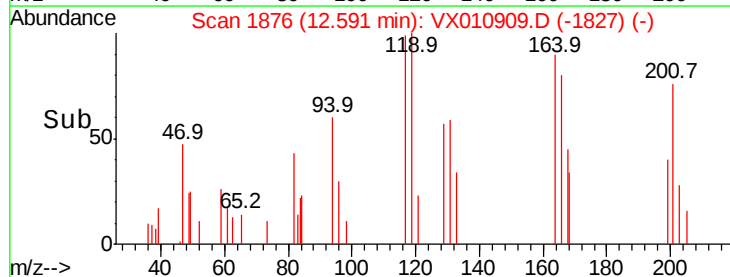
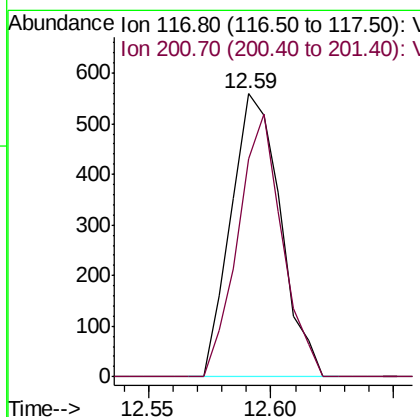
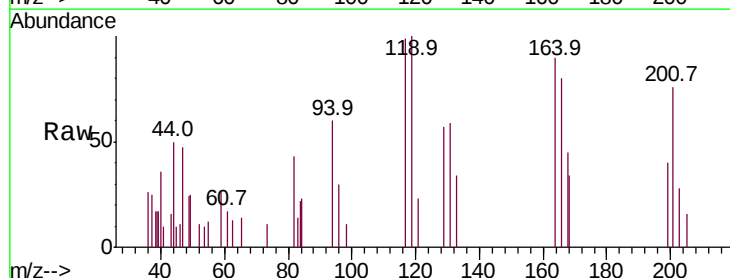
Manual Integrations
APPROVED

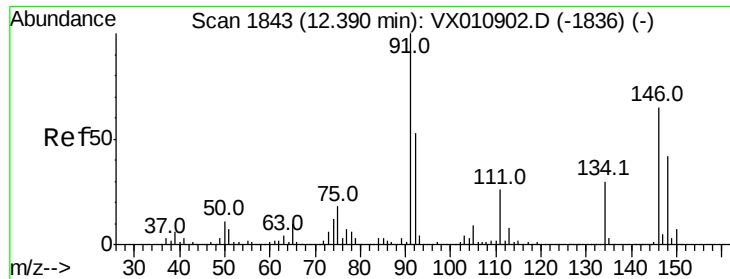
MMDadoda
7/17/2019 10:45:38 AM



#90
Hexachloroethane
Concen: 0.592 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010909.D
Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	43.3	129.8





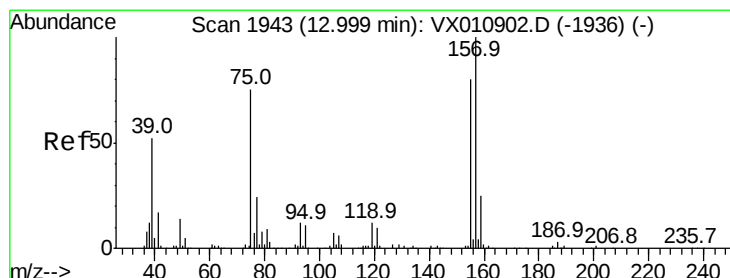
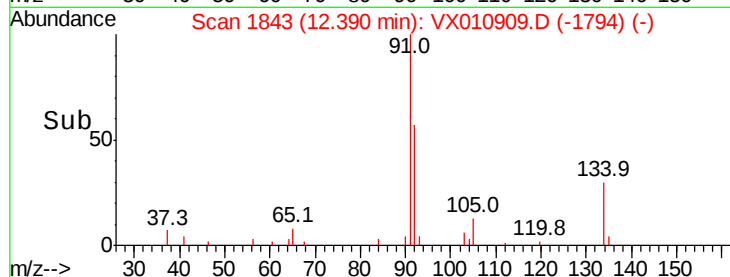
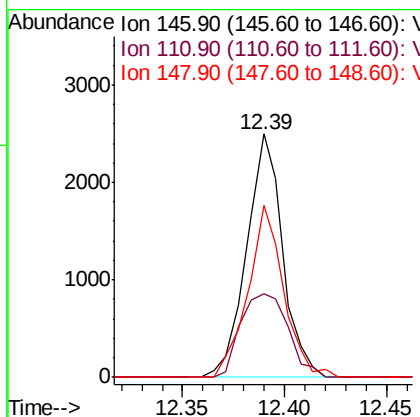
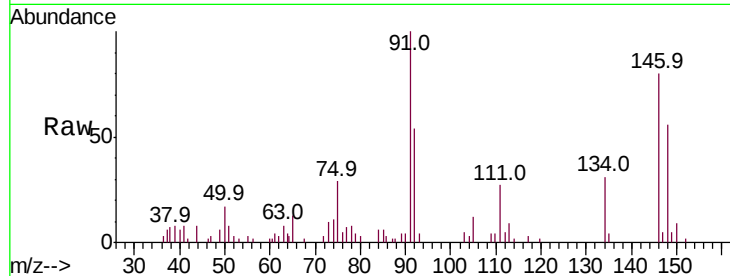
#91
 1,2-Dichlorobenzene
 Concen: 0.683 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	19.9	59.7
148	70.0	32.0	96.2

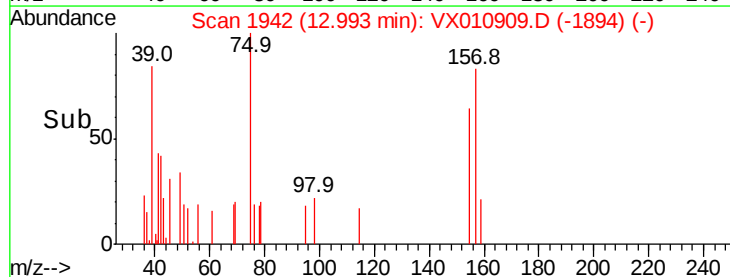
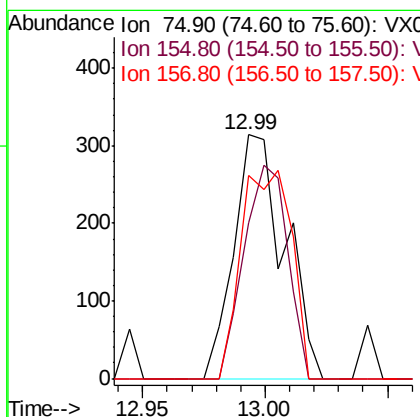
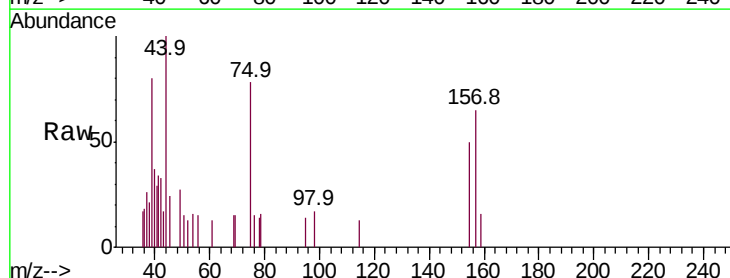
Manual Integrations
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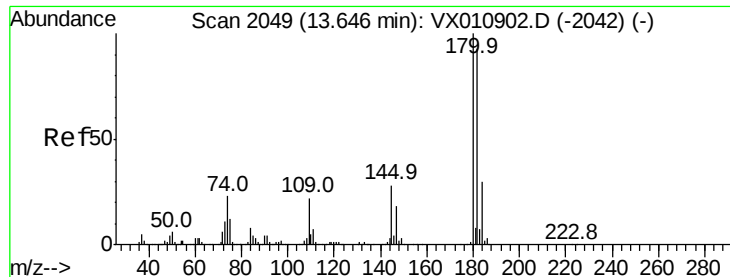
MMDadoda
 7/17/2019 10:45:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.699 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	48.7	146.1
157	84.5	62.5	187.6





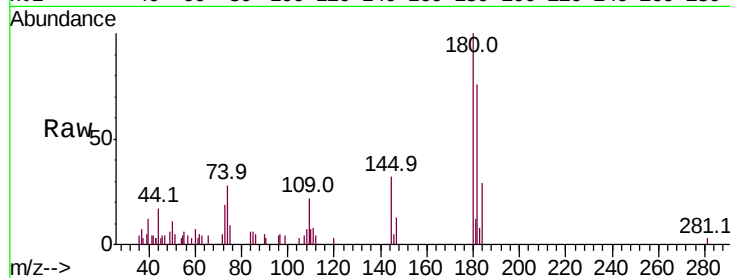
#93
 1,2,4-Trichlorobenzene
 Concen: 0.699 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

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

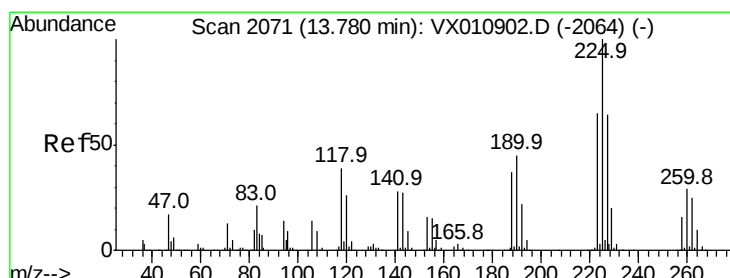
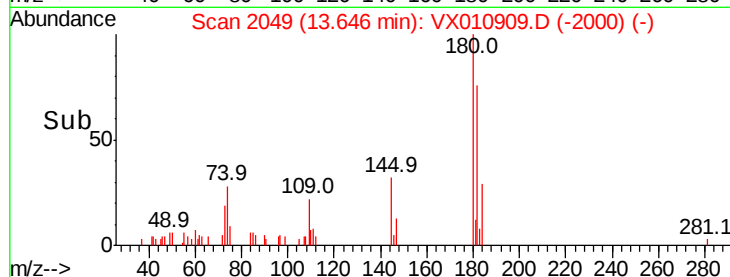
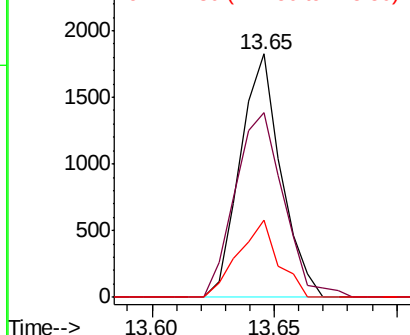
Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.1	141.3
145	31.0	14.8	44.4

Manual Integrations
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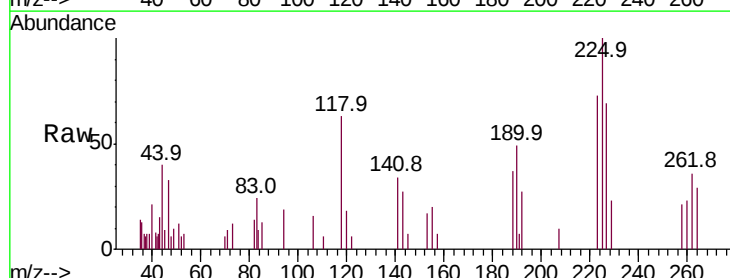


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

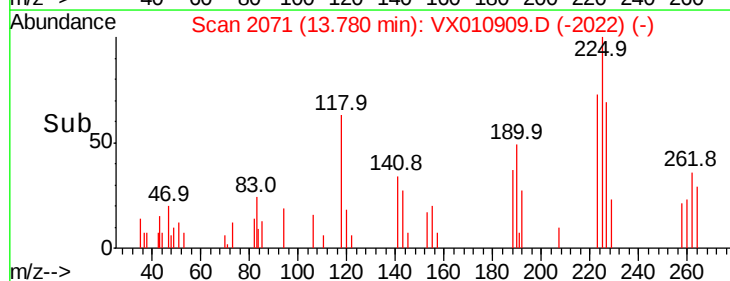
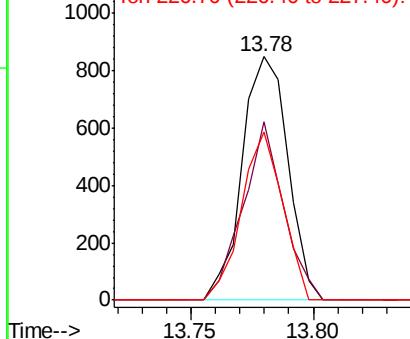


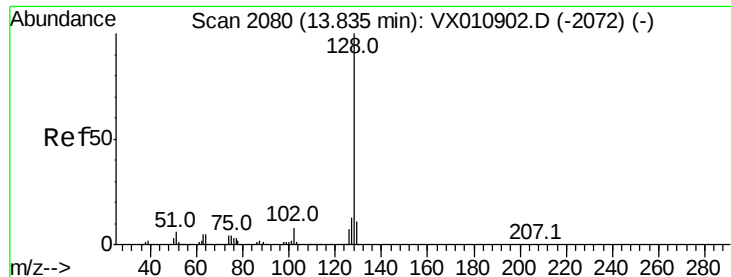
#94
 Hexachlorobutadiene
 Concen: 0.733 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010909.D
 Acq: 16 Jul 2019 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.9	95.9
227	62.3	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.603 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Instrument :

MSVOA_X

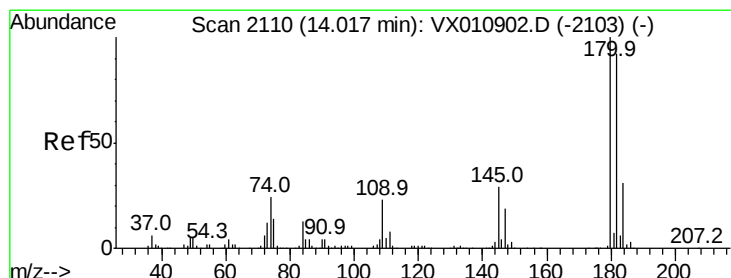
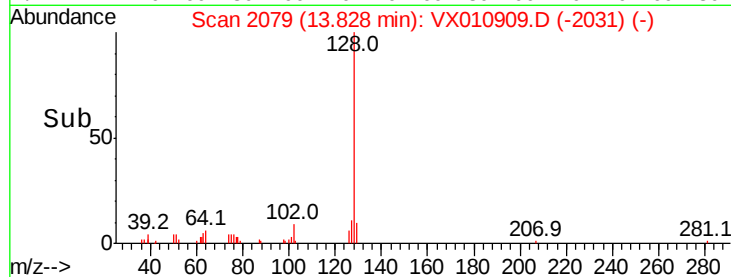
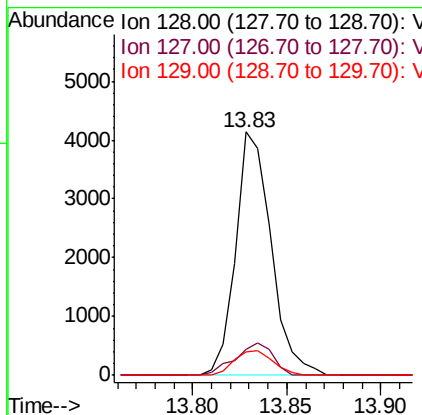
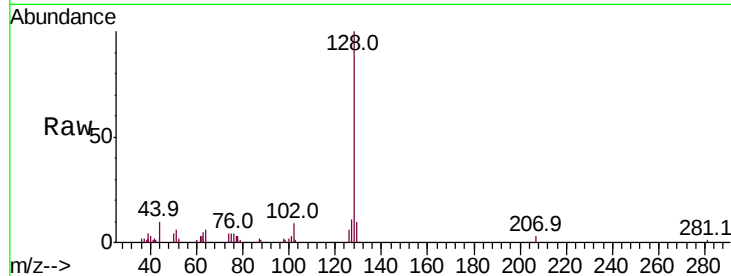
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

Tot Ion:	128	Resp:	5407
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.4	15.6
129	11.1	8.9	13.3

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7/17/2019 10:45:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.699 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010909.D

Acq: 16 Jul 2019 16:19

Tgt Ion:	180	Resp:	2113
Ion Ratio	Lower	Upper	
180	100		
182	92.7	47.4	142.3
145	39.9	15.1	45.3

