

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071919\
 Data File : VX010984.D
 Acq On : 19 Jul 2019 01:51
 Operator : JC/SP
 Sample : K3591-07 LOD-MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 LOD-MDL-WATER-01-QT3-2019 DL

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 3:13:05 PM

Quant Time: Jul 19 03:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	36678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	195376	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	170667	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	73162	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	11.13	95	78970	28.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.70%
63) Toluene-d8	8.71	98	229623	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4465	1.841 ug/l	92
3) Chloromethane	1.33	50	5434	2.548 ug/l	95
4) Vinyl Chloride	1.40	62	5231	2.352 ug/l	92
5) Bromomethane	1.64	94	4548	3.716 ug/l	92
6) Chloroethane	1.73	64	3741	2.844 ug/l	97
7) Trichlorofluoromethane	1.93	101	8396	2.274 ug/l	94
8) Diethyl Ether	2.19	74	3469	2.860 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4989	2.444 ug/l	96
10) 1,1-Dichloroethene	2.37	96	4758	2.320 ug/l	96
11) Methyl Iodide	2.51	142	4792	1.740 ug/l	87
12) Methyl Acetate	2.78	43	7532	2.614 ug/l	95
13) Acrolein	2.29	56	3977	11.513 ug/l	100
14) Acrylonitrile	3.14	53	15103	13.394 ug/l	99
15) Acetone	2.45	58	4650	14.810 ug/l	86
16) Carbon Disulfide	2.57	76	12354	2.344 ug/l	99
17) Allyl chloride	2.73	41	6577	2.215 ug/l	94
18) Methylene Chloride	2.86	84	6500	2.846 ug/l	94
19) trans-1,2-Dichloroethene	3.17	96	5223	2.410 ug/l #	75
20) Diisopropyl ether	3.85	45	15547	2.480 ug/l #	95
21) 1,1-Dichloroethane	3.70	63	8521	2.362 ug/l #	96
22) cis-1,2-Dichloroethene	4.59	96	6205	2.490 ug/l	98
23) tert-Butyl Alcohol	3.03	59	13700	23.271 ug/l #	100
24) Methyl tert-Butyl Ether	3.20	73	16772	2.547 ug/l	99
25) Chloroform	5.21	83	10004	2.532 ug/l	100
26) Cyclohexane	5.58	56	7262	2.200 ug/l #	97
29) 1,1-Dichloropropene	5.80	75	6661	2.424 ug/l	85
30) 2-Butanone	4.68	43	19672	13.264 ug/l #	78
31) 2,2-Dichloropropane	4.57	77	4919	2.051 ug/l #	59
32) 1,1,1-Trichloroethane	5.49	97	7261	2.191 ug/l	97
33) Carbon Tetrachloride	5.79	117	5779	2.006 ug/l #	84
34) Benzene	6.14	78	20901	2.536 ug/l	99
35) Methacrylonitrile	5.04	41	3133	2.029 ug/l	89
36) 1,2-Dichloroethane	6.20	62	7766	2.635 ug/l #	82
37) Trichloroethene	7.21	130	6039	2.503 ug/l	92
38) Methylcyclohexane	7.46	83	7659	2.209 ug/l	98
39) 1,2-Dichloropropane	7.51	63	5403	2.623 ug/l	95
40) Dibromomethane	7.66	93	3924	2.590 ug/l	98

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

41) Bromodichloromethane	7.90	83	6118	2.218	ug/l	90
42) Vinyl Acetate	3.82	43	58077	11.886	ug/l	100
43) Ethyl Acetate	4.84	43	6232	2.189	ug/l	93
44) Isopropyl Acetate	6.45	43	11174	2.410	ug/l	99
45) 1,4-Dioxane	7.74	88	3434	56.897	ug/l #	95
46) Methyl methacrylate	7.77	41	5470	2.430	ug/l	93
47) n-amyl Acetate	10.90	43	7911	1.902	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	5485	1.887	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	6255	1.972	ug/l	94
50) 1,1,2-Trichloroethane	9.21	97	5763	2.599	ug/l	93
51) Ethyl methacrylate	9.18	69	7464	2.176	ug/l	95
52) 1,3-Dichloropropane	9.37	76	9073	2.546	ug/l	98
53) Dibromochloromethane	9.59	129	4354	1.818	ug/l	95
54) 1,2-Dibromoethane	9.67	107	5743	2.383	ug/l	95
55) 2-Chloroethyl vinyl ether	8.31	63	19185	13.210	ug/l	98
56) Bromoform	10.85	173	3357	1.882	ug/l #	96
58) 4-Methyl-2-Pentanone	8.64	43	36359	12.615	ug/l	98
59) 2-Hexanone	9.49	43	27614	12.520	ug/l	99
61) Tetrachloroethene	9.34	164	6023	2.673	ug/l	95
62) Toluene	8.79	91	22661	2.499	ug/l	99
64) Chlorobenzene	10.14	112	14797	2.547	ug/l	92
65) 1,1,1,2-Tetrachloroethane	10.22	131	4656	2.205	ug/l	99
66) Ethyl Benzene	10.25	91	23382	2.291	ug/l	96
67) m/p-Xylenes	10.36	106	18021	4.615	ug/l	96
68) o-Xylene	10.69	106	8824	2.306	ug/l	95
69) Styrene	10.71	104	13720	2.133	ug/l	99
70) Isopropylbenzene	11.02	105	23079	2.265	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	8014	2.439	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	6909m	2.519	ug/l	
73) Bromobenzene	11.25	156	6550	2.383	ug/l	99
74) n-propylbenzene	11.36	91	24705	2.154	ug/l	98
75) 2-Chlorotoluene	11.42	91	16177	2.369	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	18301	2.122	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	1546	1.709	ug/l	77
78) 4-Chlorotoluene	11.51	91	17534	2.235	ug/l	98
79) tert-butylbenzene	11.77	119	18225	2.179	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	18902	2.176	ug/l	98
81) sec-Butylbenzene	11.94	105	21028	2.133	ug/l	99
82) p-Isopropyltoluene	12.06	119	18364	2.007	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	10618	2.188	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	11210	2.324	ug/l	97
85) n-Butylbenzene	12.38	91	14407	1.849	ug/l	98
86) Hexachloroethane	12.60	117	2489	1.725	ug/l	92
87) 1,2-Dichlorobenzene	12.39	146	11332	2.385	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	1551	2.144	ug/l	87
89) 1,2,4-Trichlorobenzene	13.65	180	6836	2.086	ug/l	98
90) Hexachlorobutadiene	13.78	225	3126	1.973	ug/l	95
91) Naphthalene	13.83	128	20409	2.041	ug/l	97
92) 1,2,3-Trichlorobenzene	14.02	180	7415	2.257	ug/l	98

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LOD-MDL-WATER-01-QT3-2019 DL

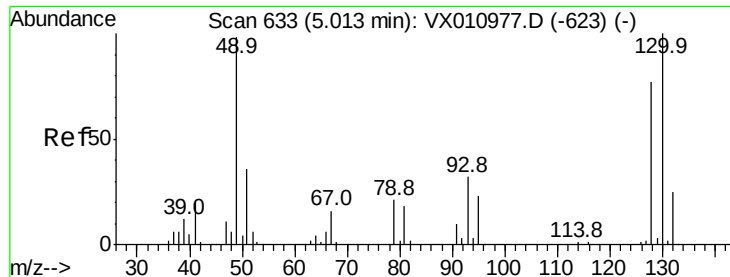
Manual Integrations
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QLast Update : Fri Jul 19 03:27:28 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

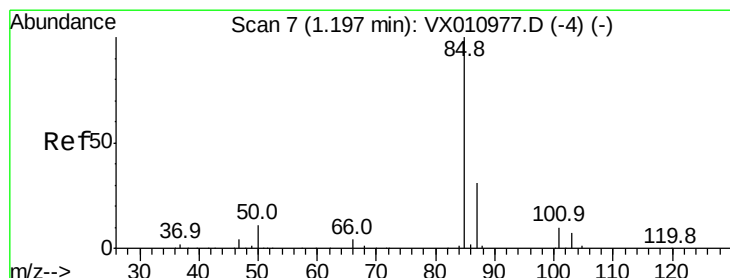
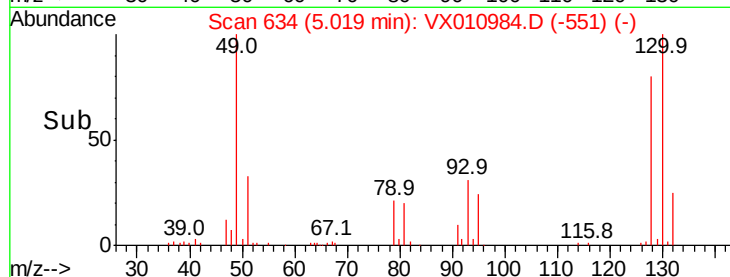
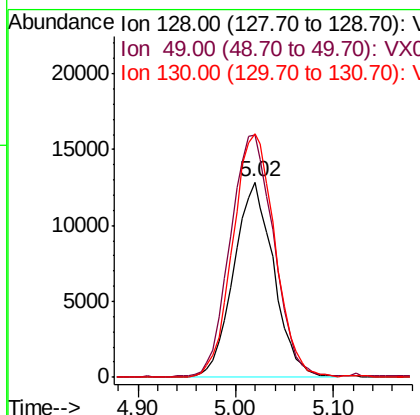
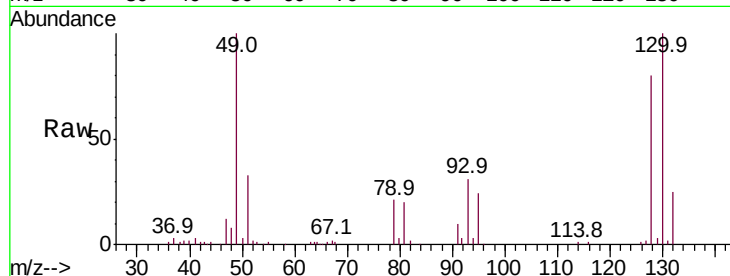
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	128	Resp:	36678
Ion	Ratio	Lower	Upper
128	100		
49	135.7	0.0	343.5
130	131.0	0.0	324.7

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#2

Dichlorodifluoromethane

Concen: 1.841 ug/l

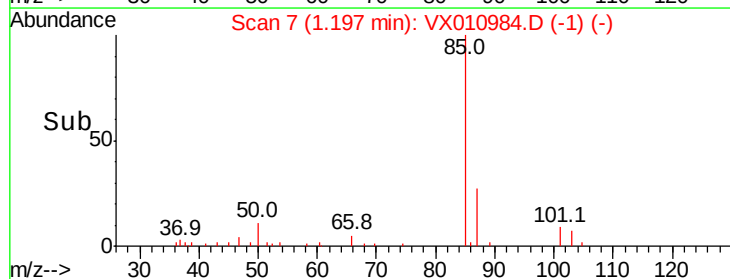
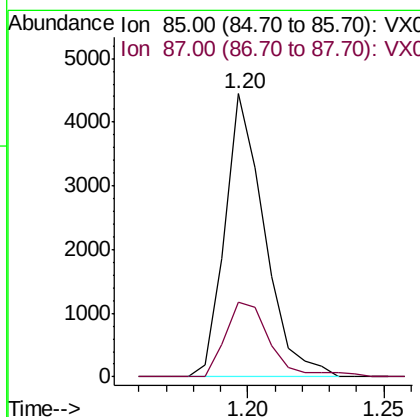
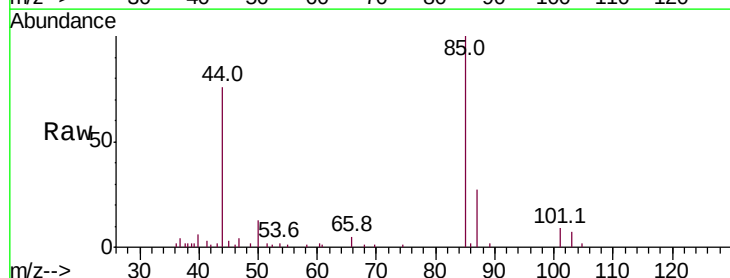
RT: 1.20 min Scan# 7

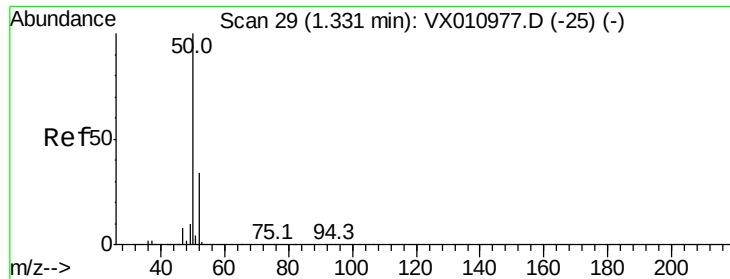
Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	85	Resp:	4465
Ion	Ratio	Lower	Upper
85	100		
87	26.5	15.4	46.1





#3

Chloromethane

Concen: 2.548 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 50 Resp: 5434

Ion Ratio Lower Upper

50 100

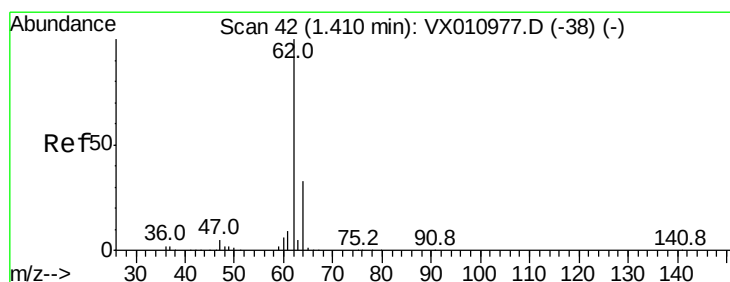
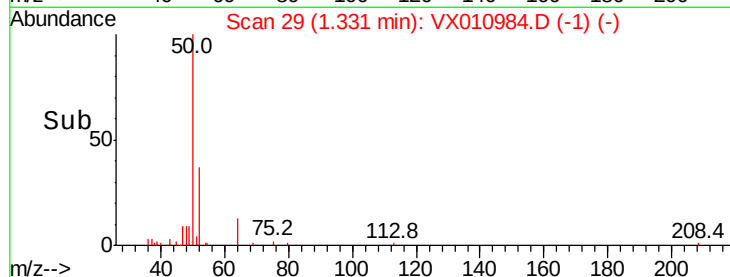
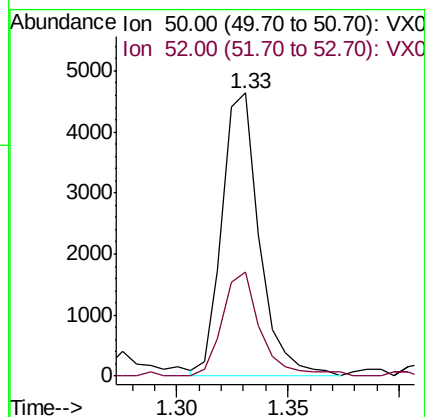
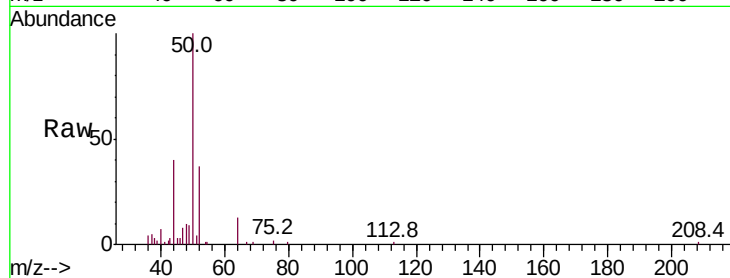
52 37.0 27.3 40.9

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#4

Vinyl Chloride

Concen: 2.352 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010984.D

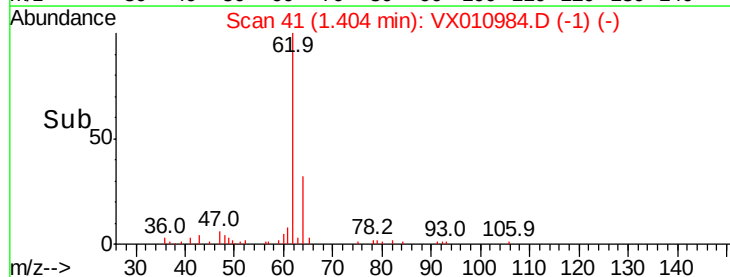
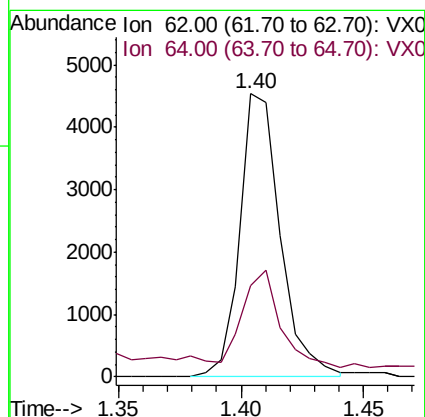
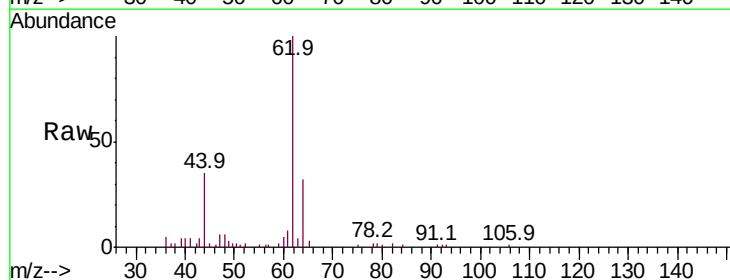
Acq: 19 Jul 2019 01:51

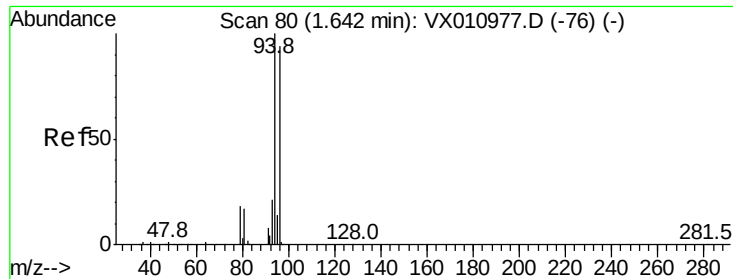
Tgt Ion: 62 Resp: 5231

Ion Ratio Lower Upper

62 100

64 29.1 26.8 40.2





#5

Bromomethane

Concen: 3.716 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 94 Resp: 4548

Ion Ratio Lower Upper

94 100

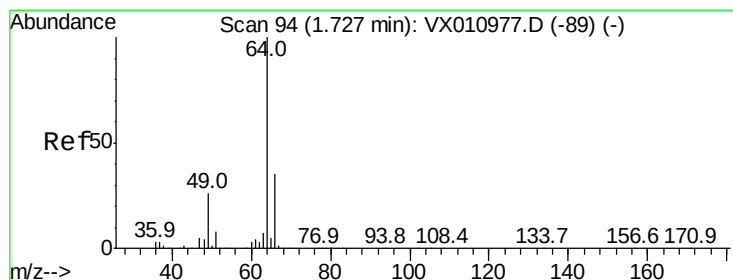
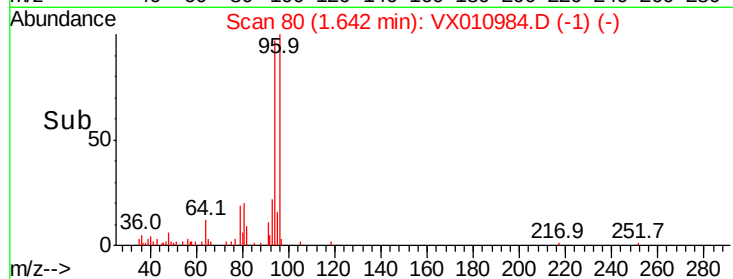
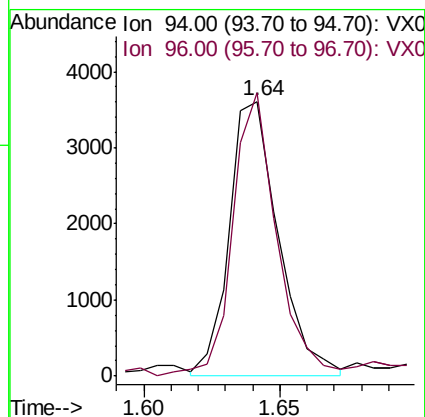
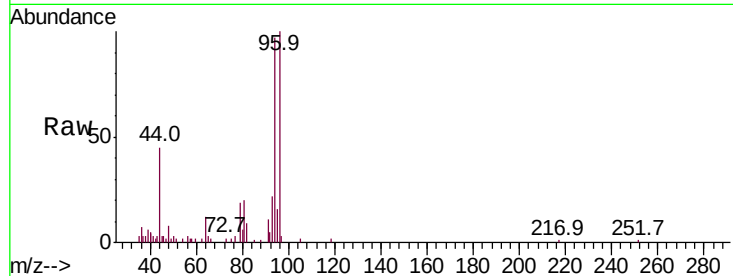
96 102.1 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 2.844 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX010984.D

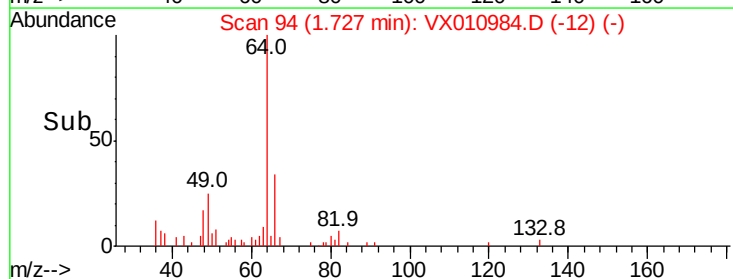
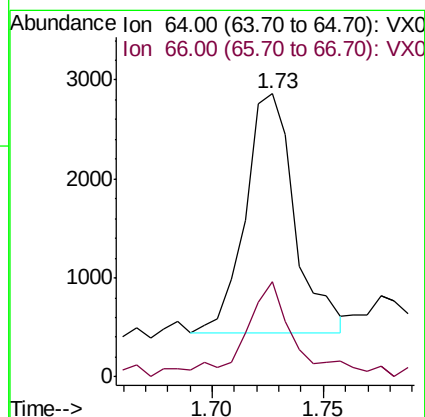
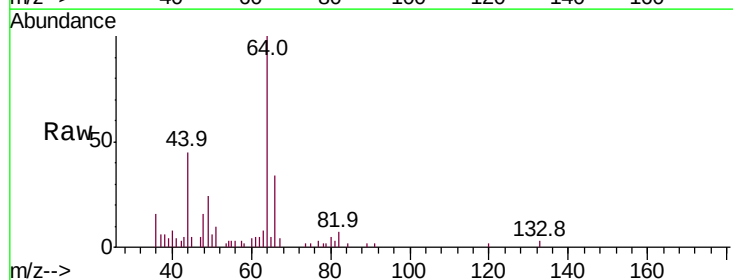
Acq: 19 Jul 2019 01:51

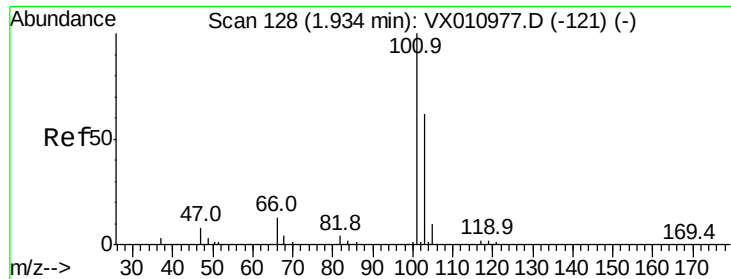
Tgt Ion: 64 Resp: 3741

Ion Ratio Lower Upper

64 100

66 36.8 28.1 42.1





#7

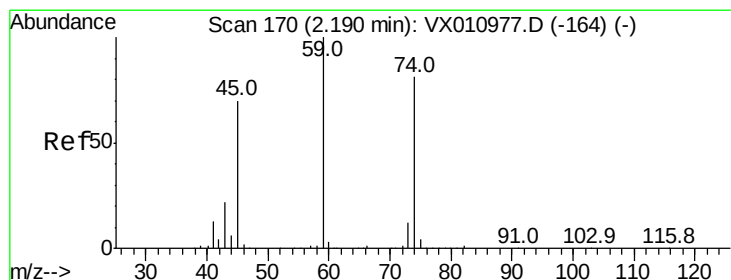
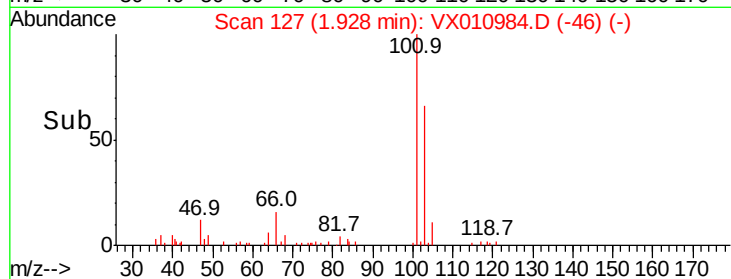
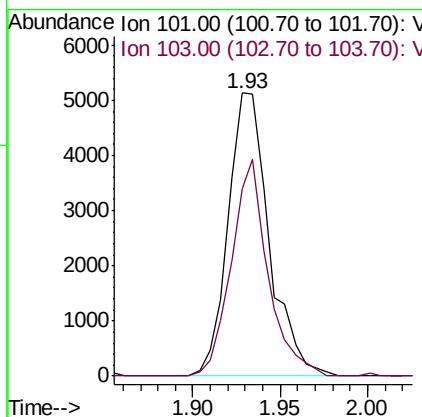
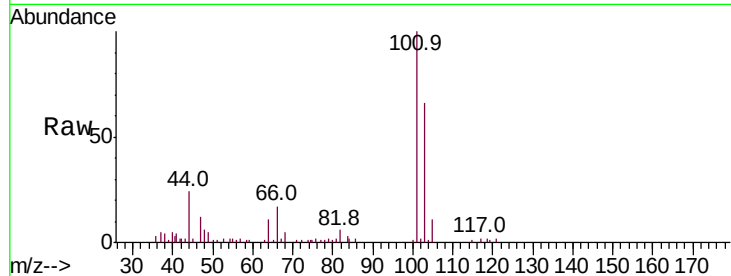
Trichlorofluoromethane
Concen: 2.274 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	49.6	74.4

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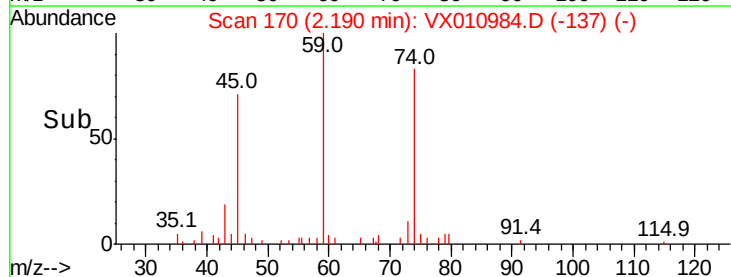
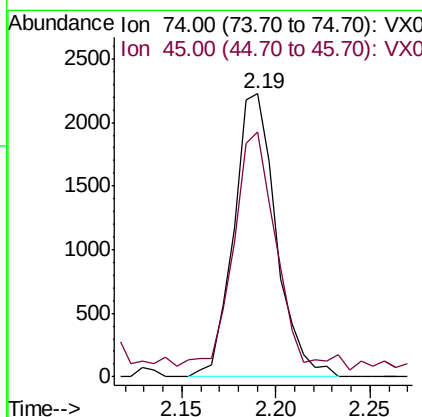
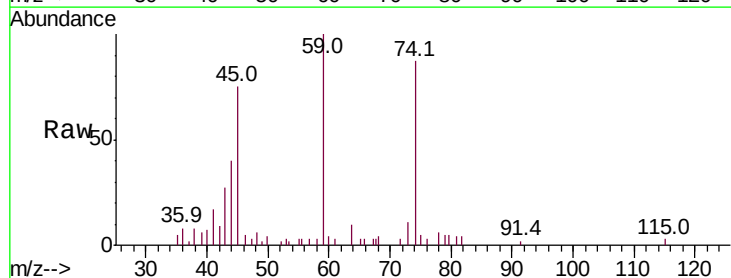
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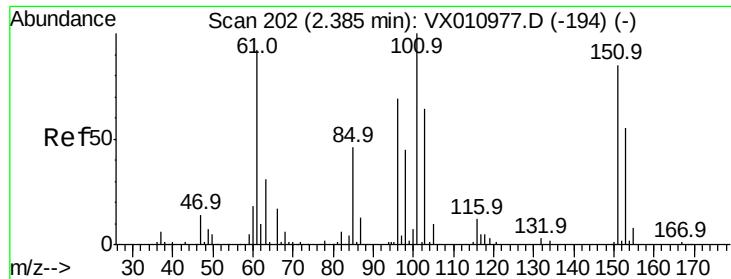


#8

Diethyl Ether
Concen: 2.860 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.7	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.444 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

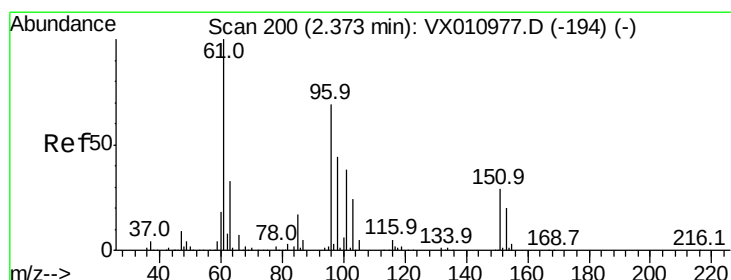
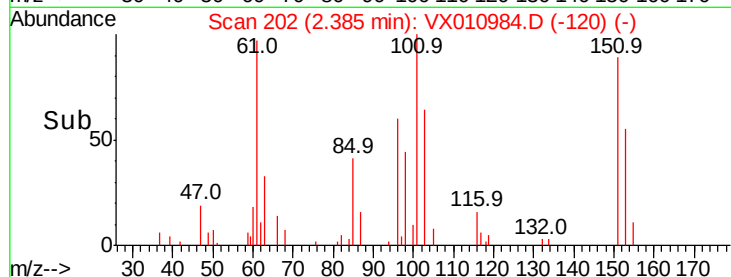
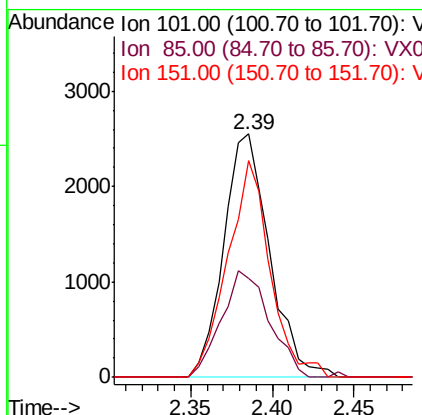
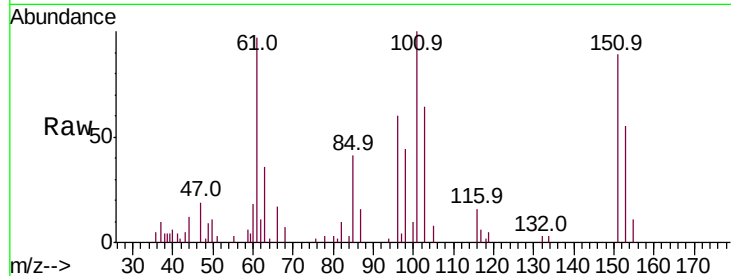
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	101	Resp:	4989
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	89.8
151	80.5	0.0	172.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 2.320 ug/l

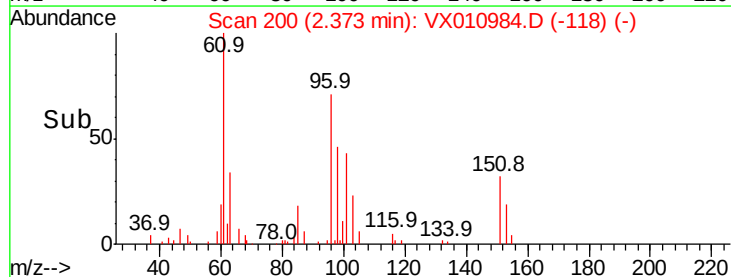
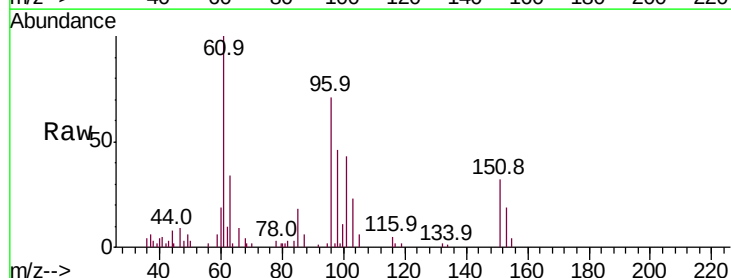
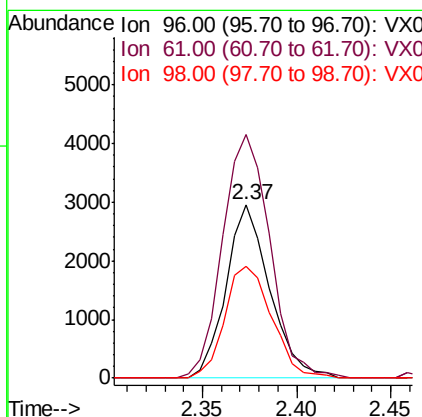
RT: 2.37 min Scan# 200

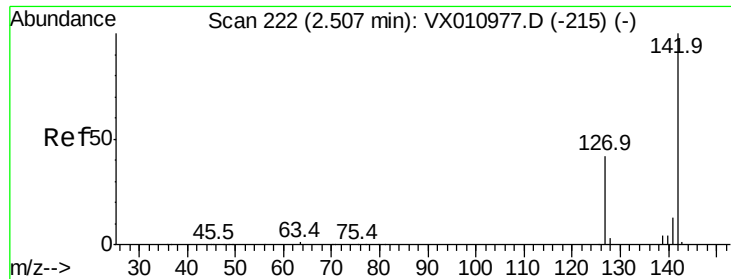
Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	96	Resp:	4758
Ion Ratio	Lower	Upper	
96	100		
61	138.5	115.9	173.9
98	64.1	50.6	75.8





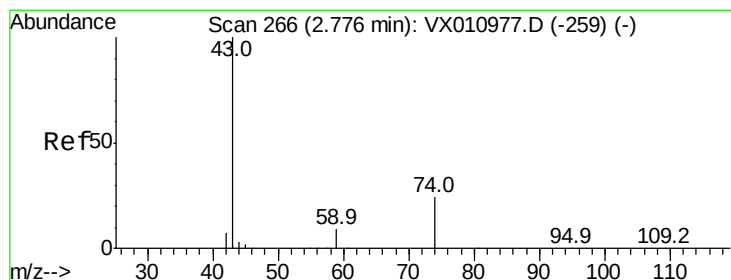
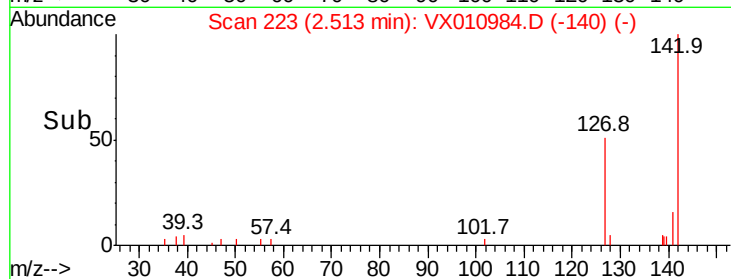
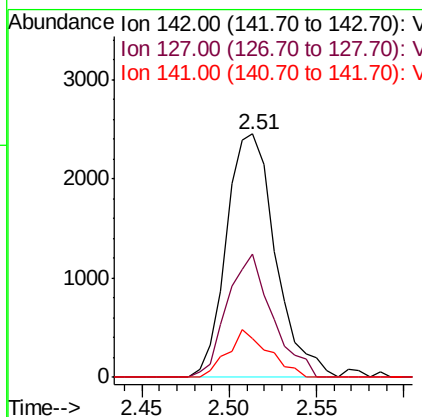
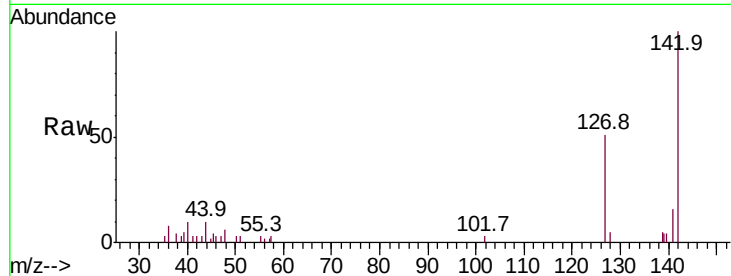
#11
Methvl Iodide
Concen: 1.740 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion:142 Resp: 4792
Ion Ratio Lower Upper
142 100
127 50.8 20.7 62.1
141 15.9 6.7 20.0

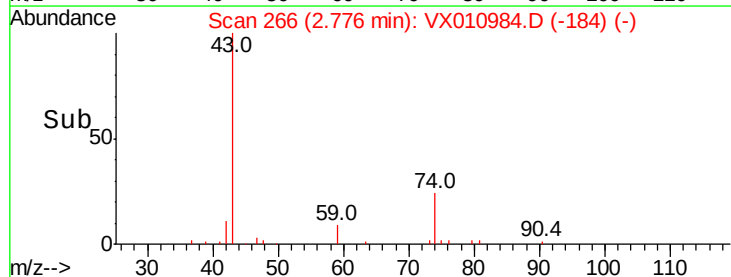
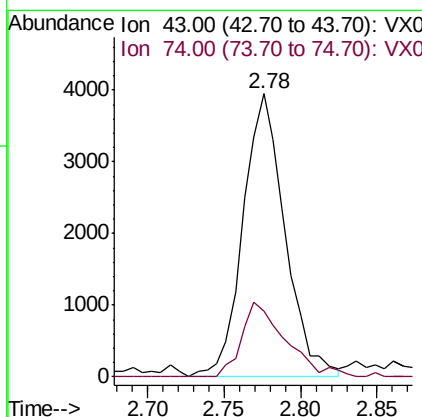
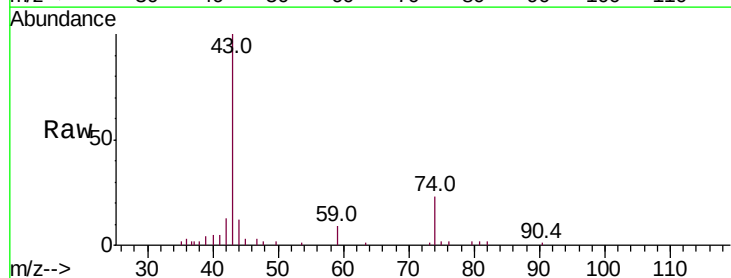
Manual Integrations
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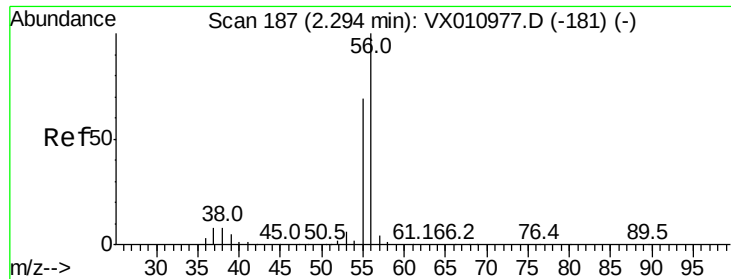
MMDadoda
7/19/2019 3:13:05 PM



#12
Methyl Acetate
Concen: 2.614 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion: 43 Resp: 7532
Ion Ratio Lower Upper
43 100
74 22.4 19.8 29.6





#13

Acrolein

Concen: 11.513 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 56 Resp: 3977

Ion Ratio Lower Upper

56 100

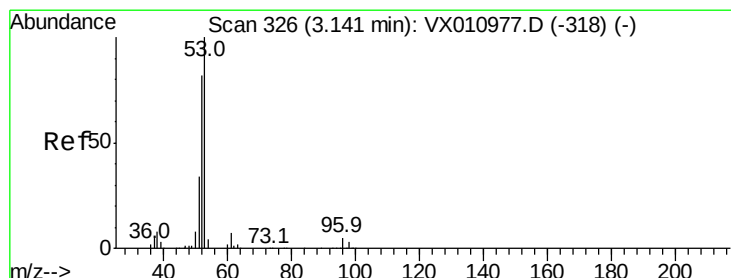
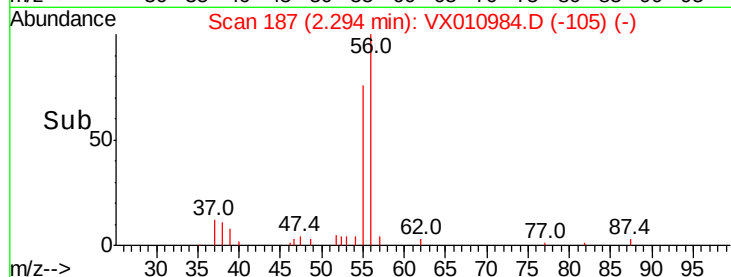
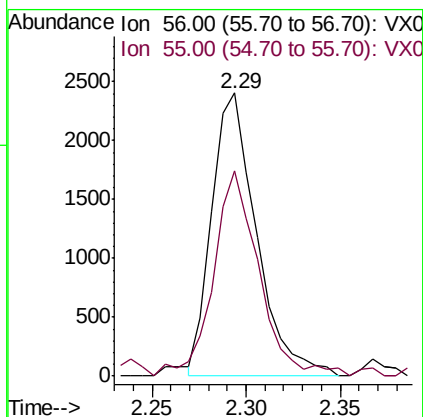
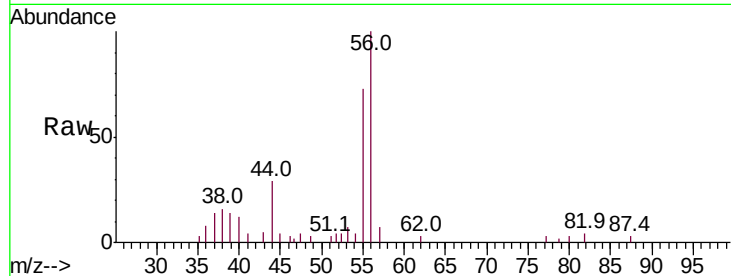
55 70.0 56.1 84.1

Manual Integrations

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#14

Acrylonitrile

Concen: 13.394 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

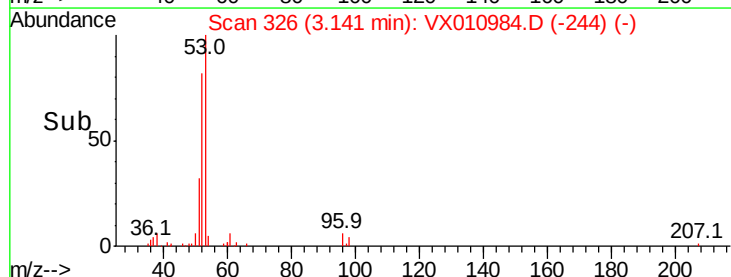
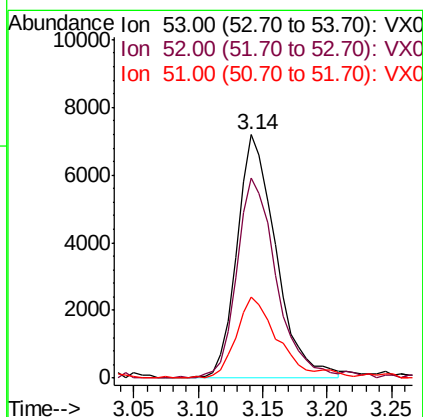
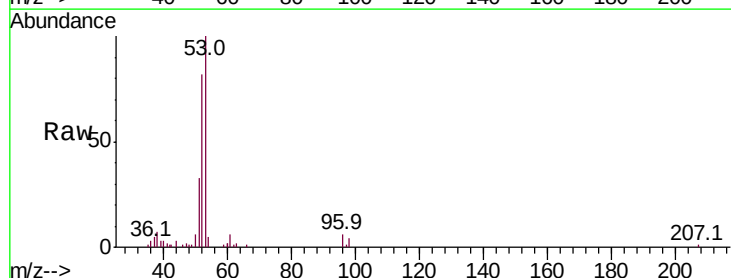
Tgt Ion: 53 Resp: 15103

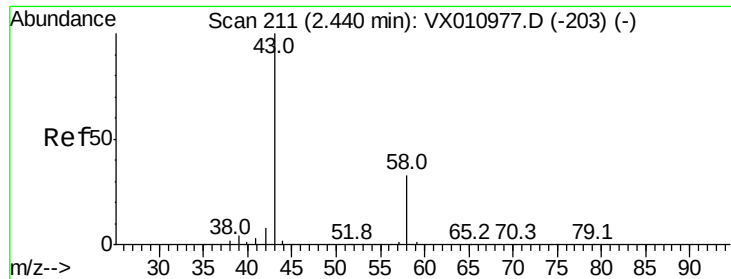
Ion Ratio Lower Upper

53 100

52 82.9 41.1 123.4

51 34.0 17.8 53.3





#15

Acetone

Concen: 14.810 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 58 Resp: 4650

Ion Ratio Lower Upper

58 100

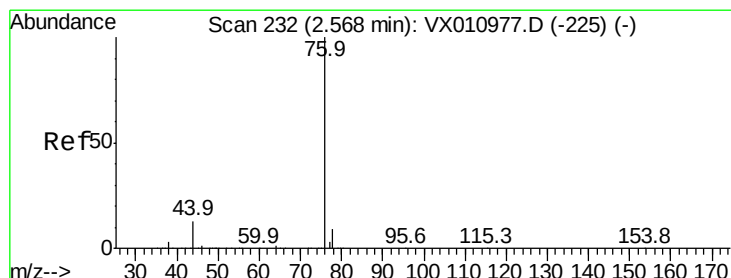
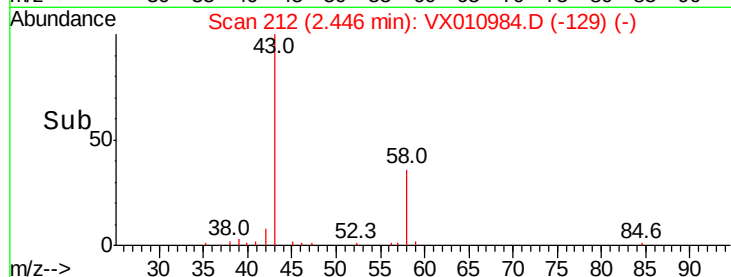
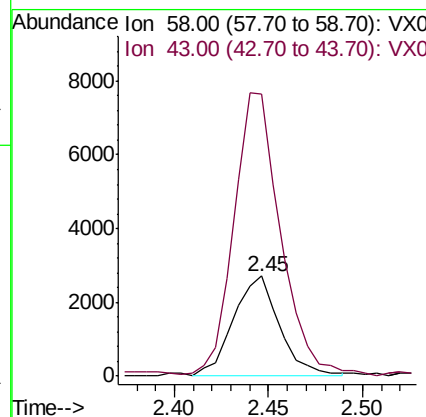
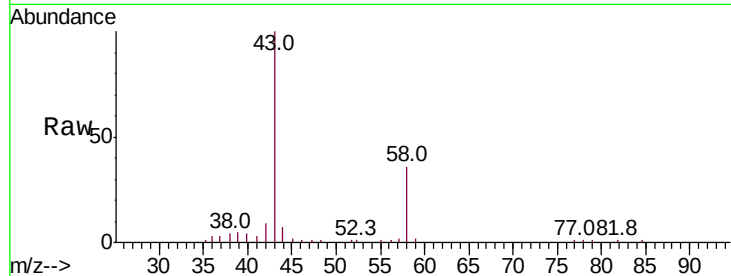
43 277.7 243.8 365.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.344 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010984.D

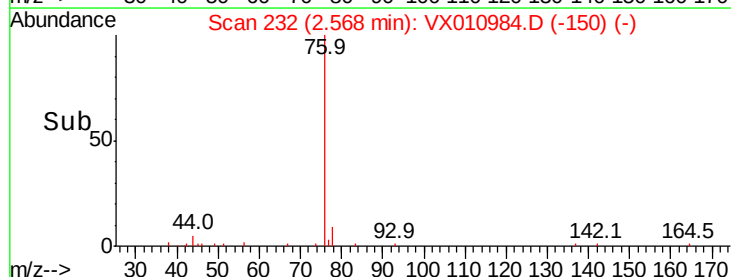
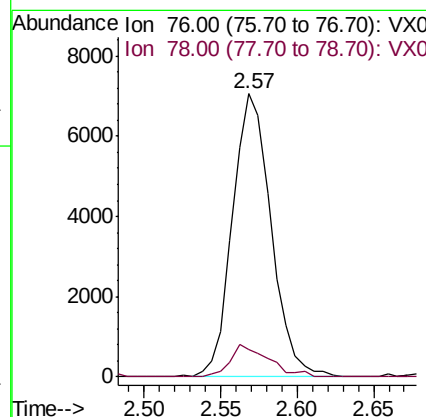
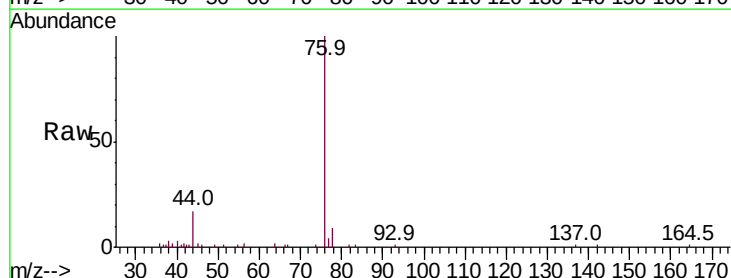
Acq: 19 Jul 2019 01:51

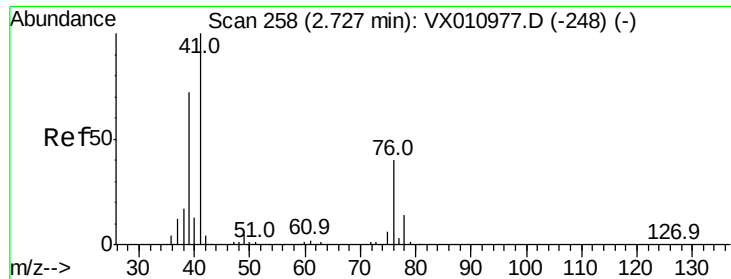
Tgt Ion: 76 Resp: 12354

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





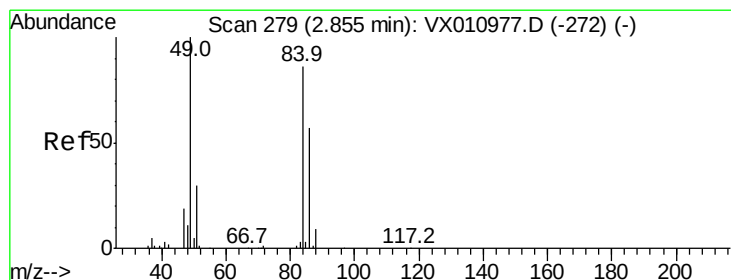
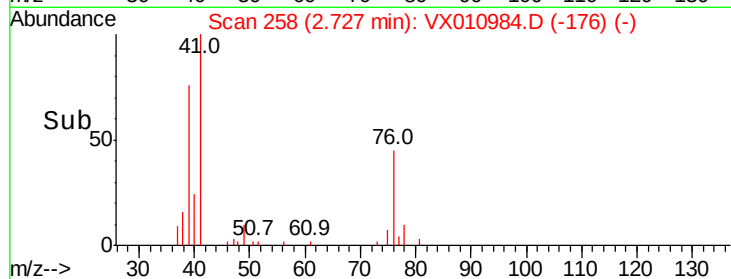
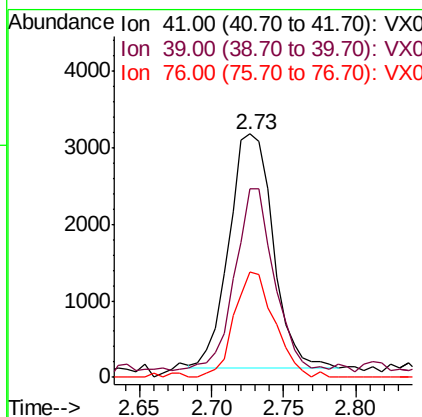
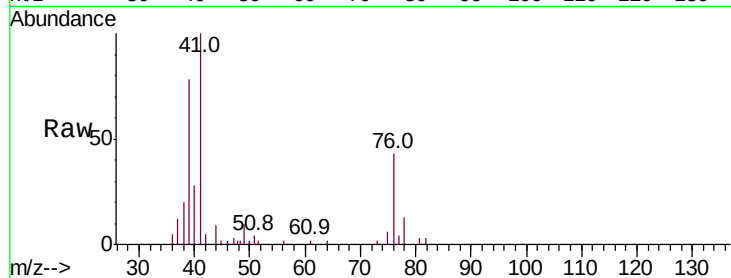
#17
Allvl chloride
Concen: 2.215 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.6	36.1	108.3
76	44.8	20.2	60.5

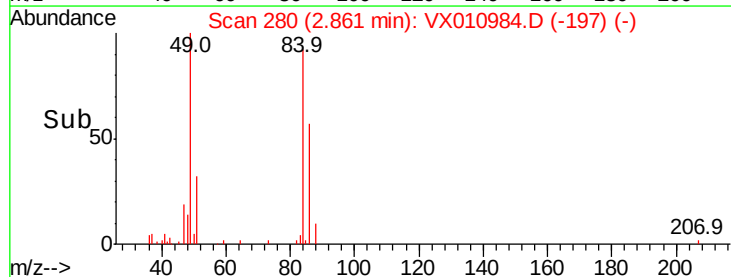
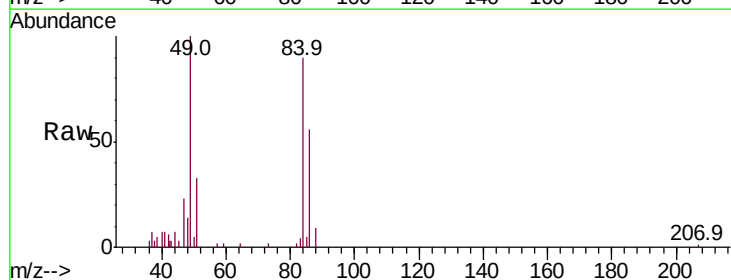
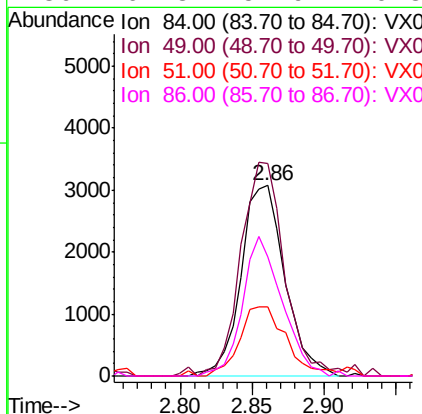
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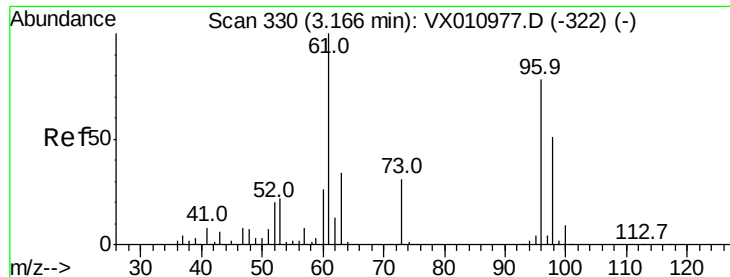
MMDadoda
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#18
Methylene Chloride
Concen: 2.846 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.7	93.2	139.8
51	34.9	28.6	42.8
86	62.3	52.9	79.3





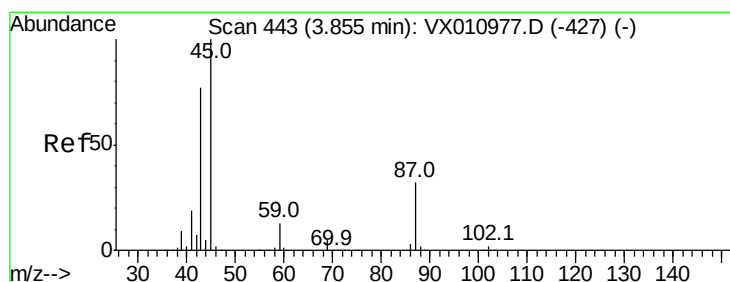
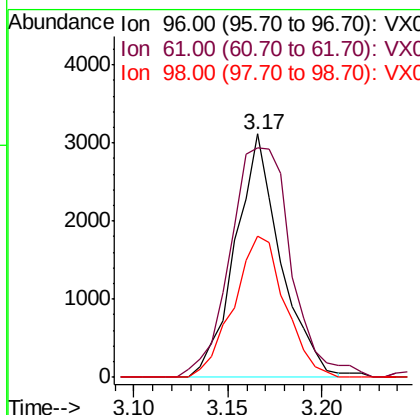
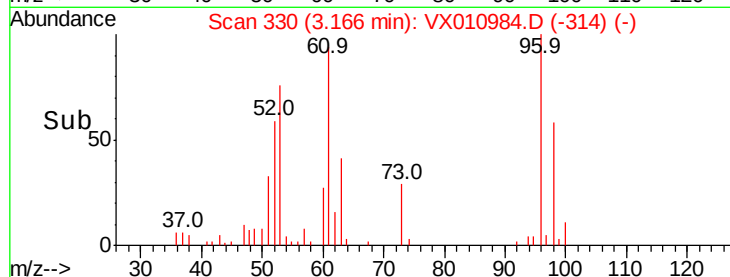
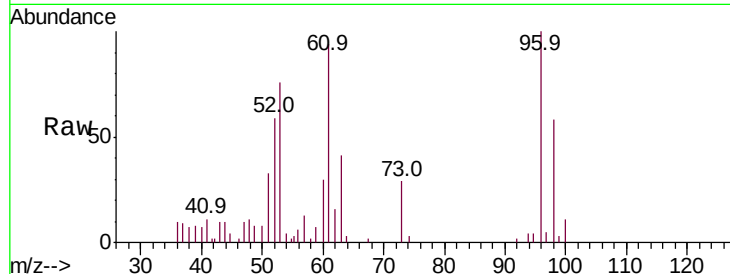
#19
trans-1,2-Dichloroethene
Concen: 2.410 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	90.6	102.2	153.4#
98	57.7	52.2	78.2

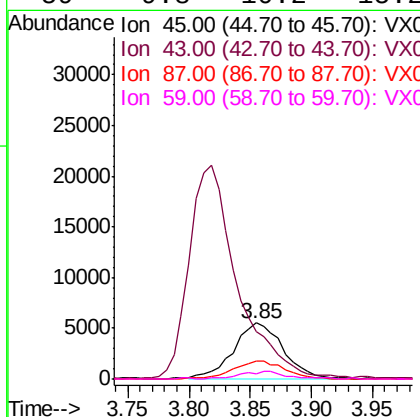
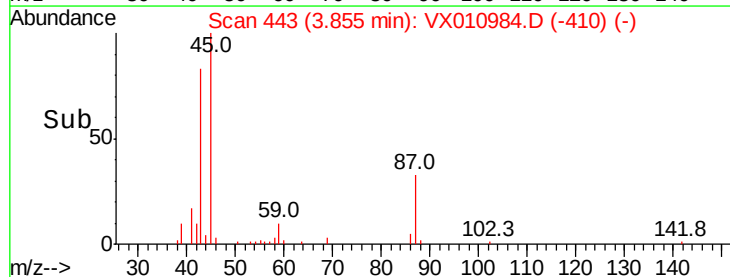
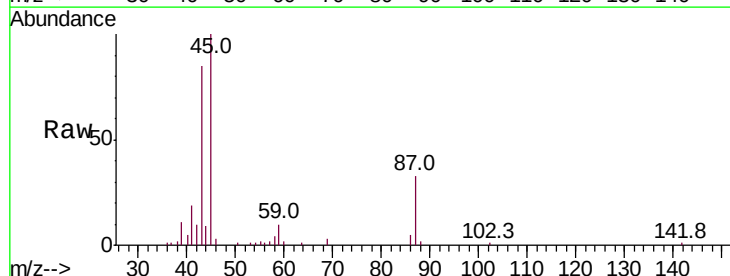
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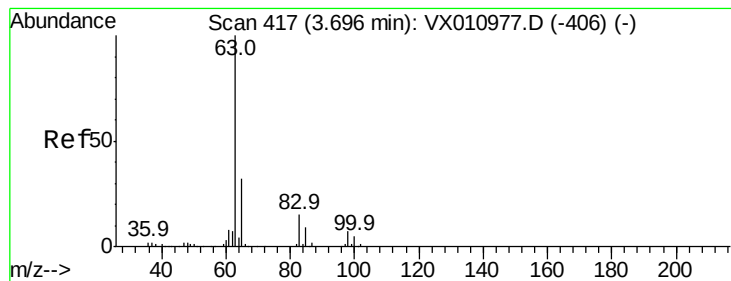
MMDadoda
7/19/2019 3:13:05 PM



#20
Diisopropyl ether
Concen: 2.480 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	80.9	61.5	92.3
87	33.5	25.4	38.2
59	9.8	10.2	15.2#





#21

1,1-Dichloroethane

Concen: 2.362 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

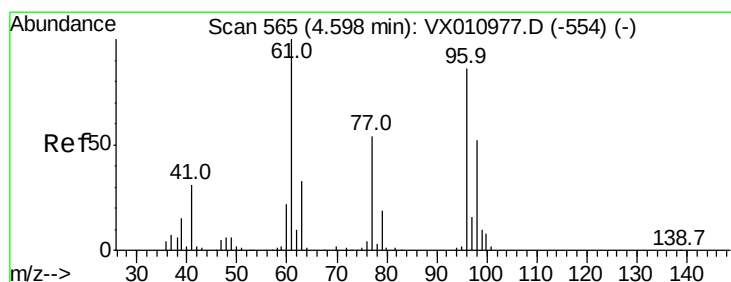
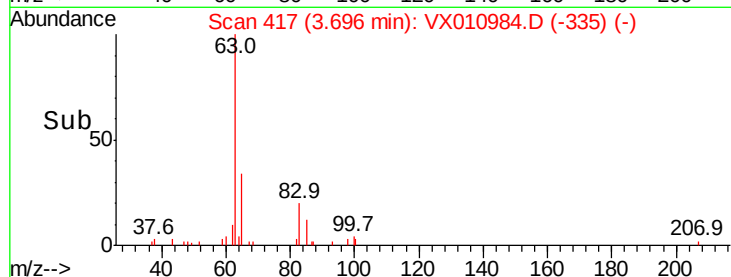
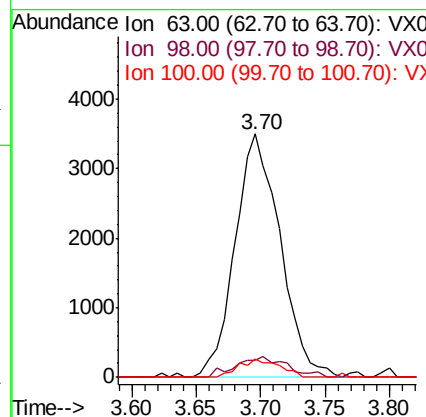
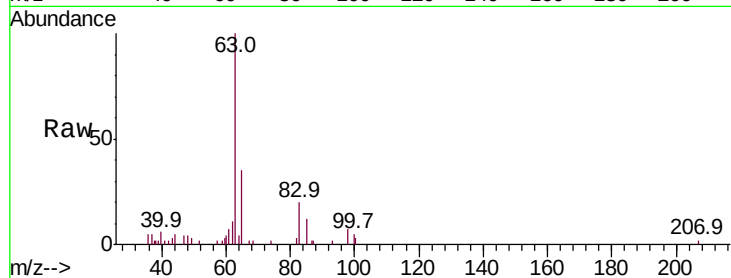
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	63	Resp:	8521
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.8	11.2
100	7.7	2.5	7.4#

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#22

cis-1,2-Dichloroethene

Concen: 2.490 ug/l

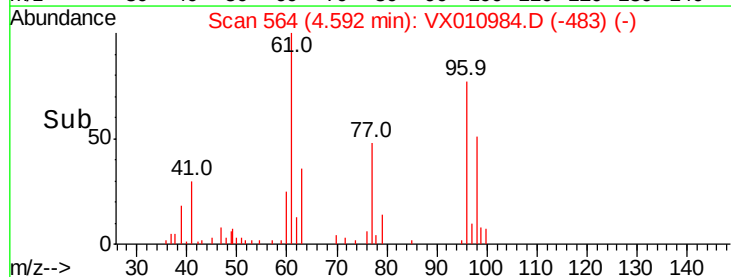
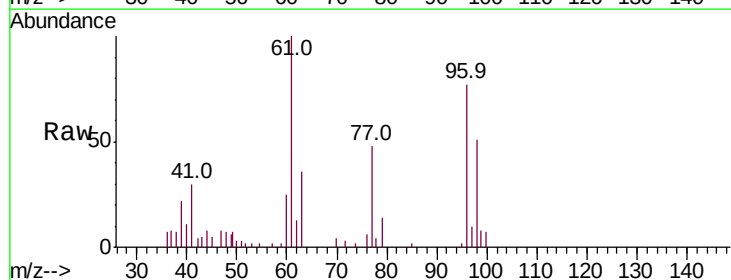
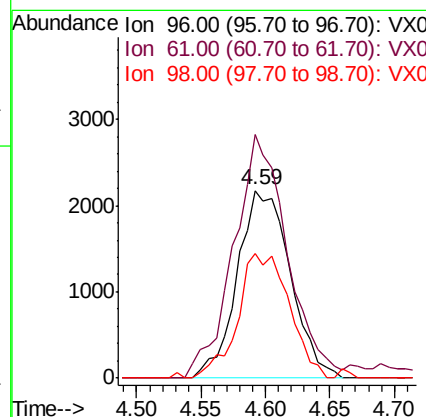
RT: 4.59 min Scan# 564

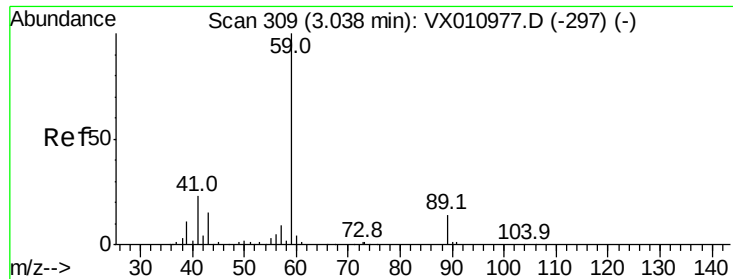
Delta R.T. -0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	96	Resp:	6205
Ion Ratio	Lower	Upper	
96	100		
61	131.3	102.9	154.3
98	64.5	50.9	76.3





#23

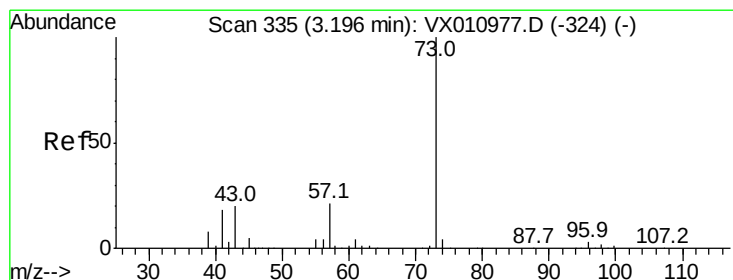
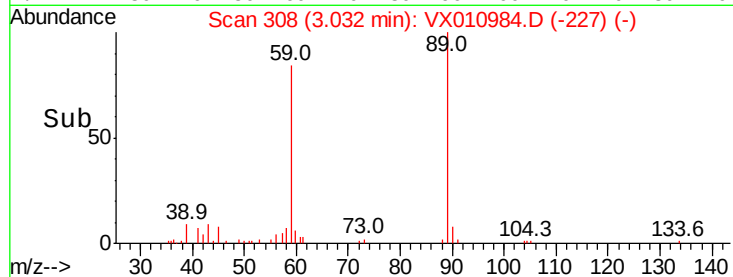
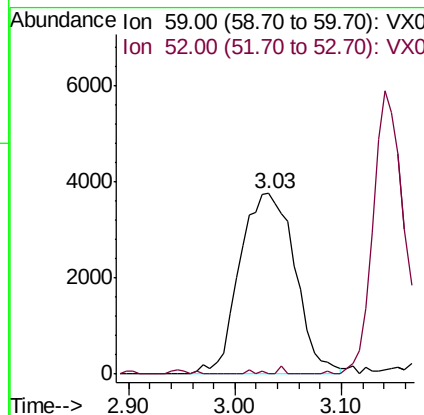
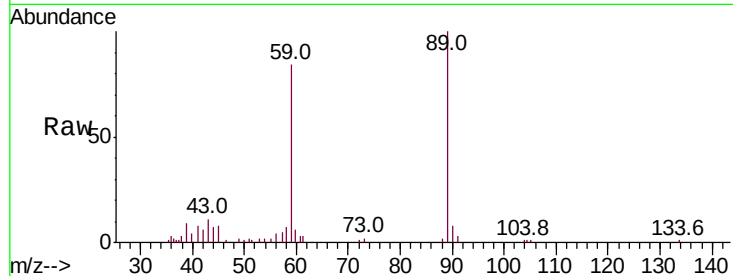
tert-Butyl Alcohol
 Concen: 23.271 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion: 59 Resp: 13700
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.4#

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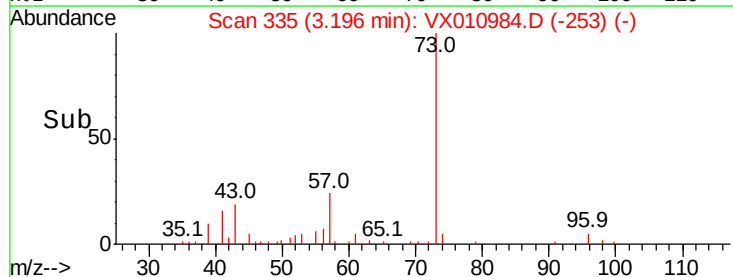
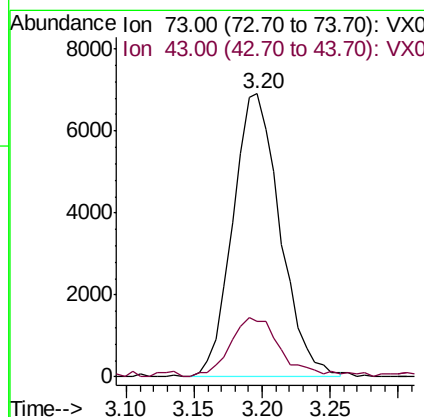
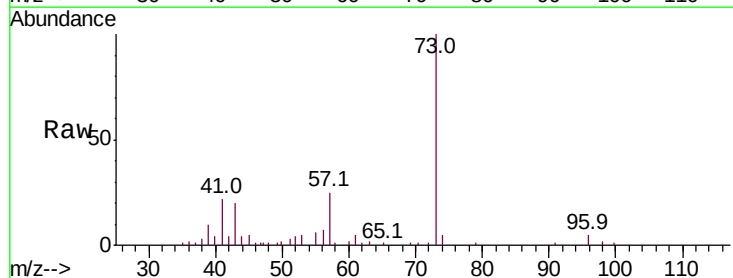
MMDadoda
 7/19/2019 3:13:05 PM

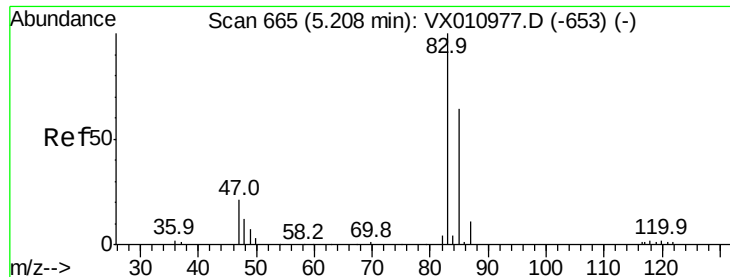


#24

Methyl tert-Butyl Ether
 Concen: 2.547 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion: 73 Resp: 16772
 Ion Ratio Lower Upper
 73 100
 43 20.1 15.8 23.6





#25

Chloroform

Concen: 2.532 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 83 Resp: 10004

Ion Ratio Lower Upper

83 100

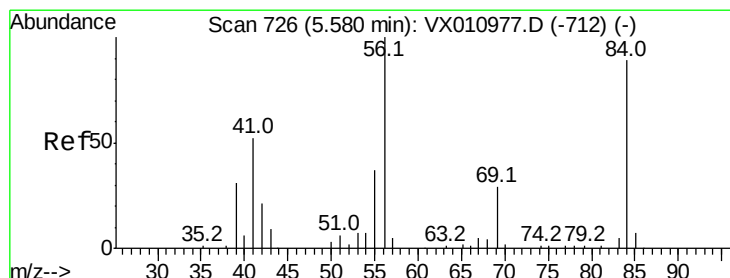
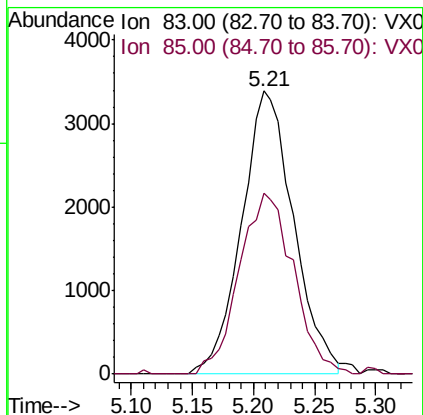
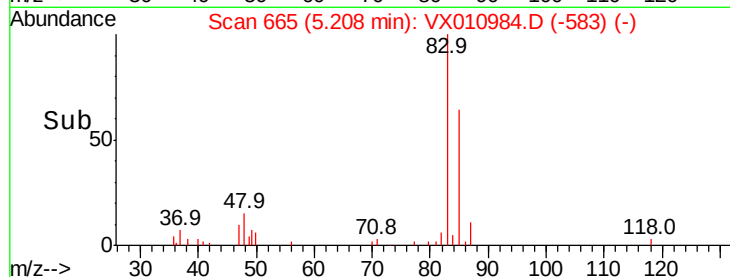
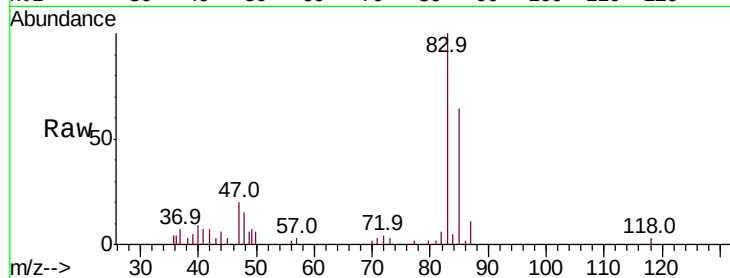
85 63.8 50.9 76.3

Manual Integrations

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MMDadoda

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#26

Cyclohexane

Concen: 2.200 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

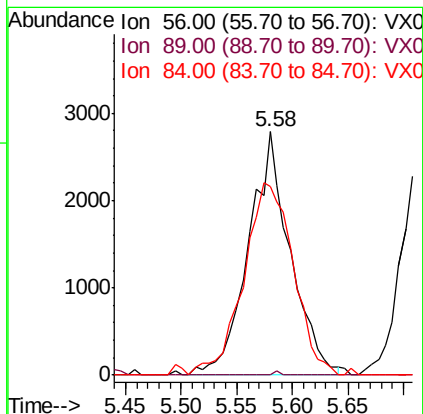
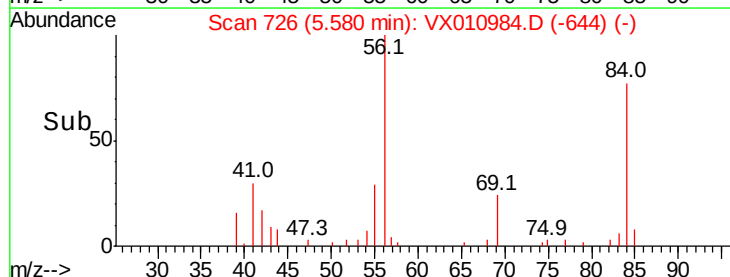
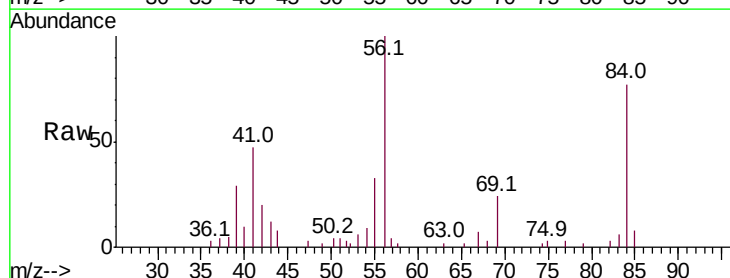
Tgt Ion: 56 Resp: 7262

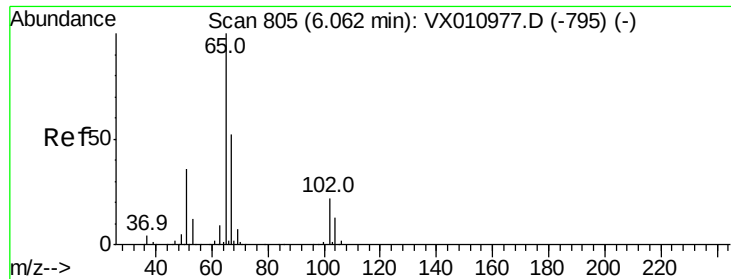
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 94.2 73.0 109.4





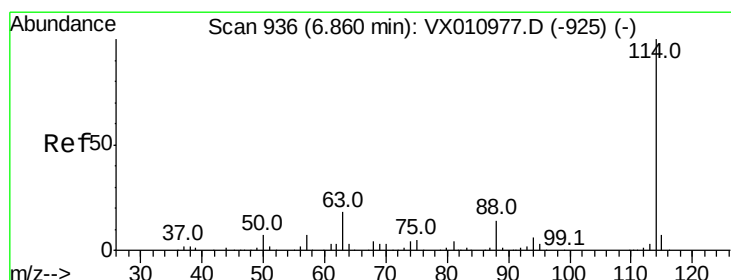
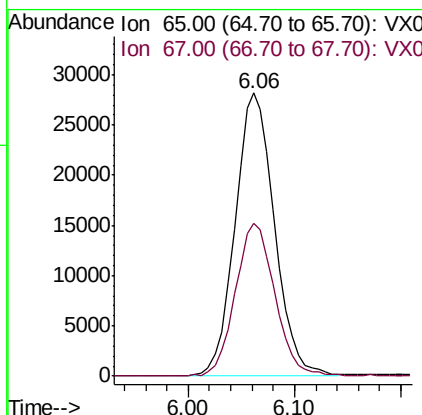
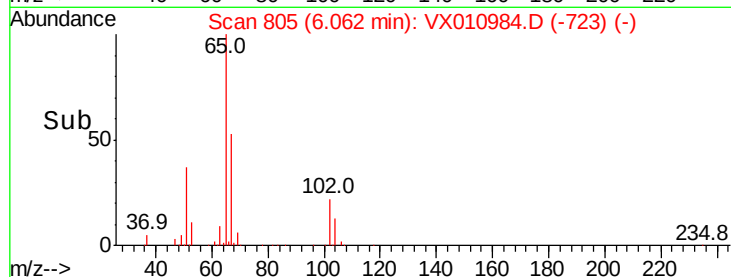
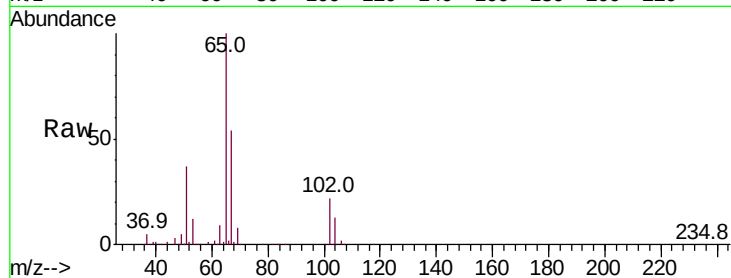
#27
 1,2-Dichloroethane-d4
 Concen: 29.423 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion: 65 Resp: 73162
 Ion Ratio Lower Upper
 65 100
 67 54.2 41.7 62.5

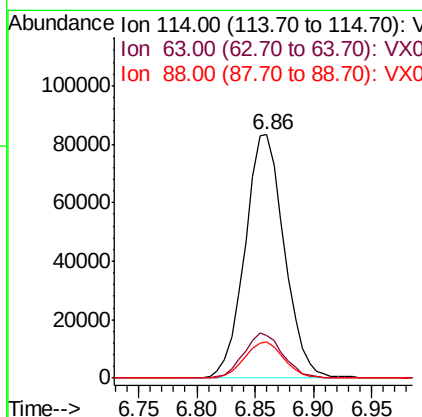
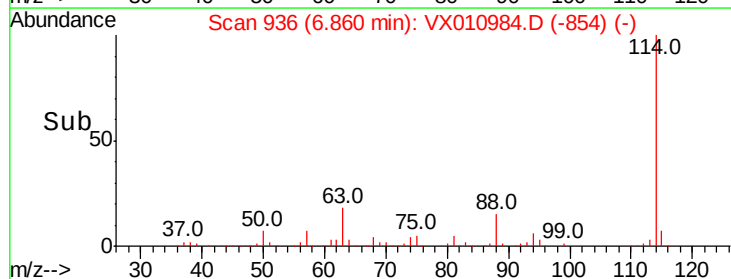
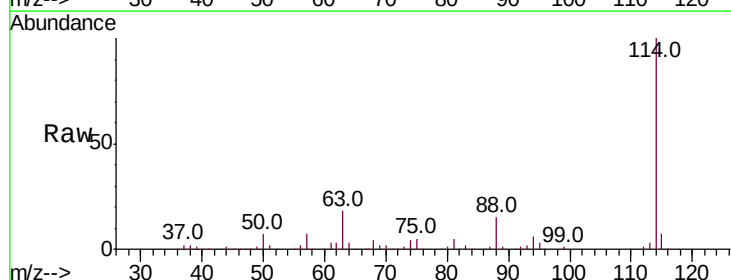
Manual Integrations
 APPROVED

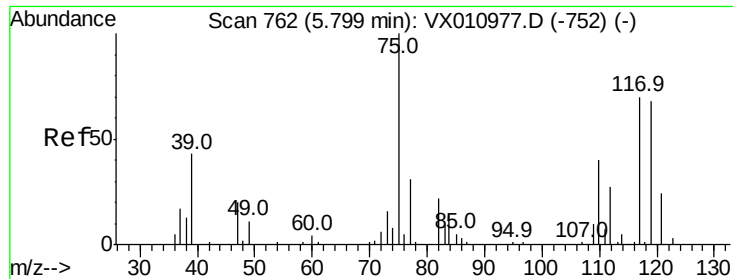
MMDadoda
 7/19/2019 3:13:05 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion: 114 Resp: 195376
 Ion Ratio Lower Upper
 114 100
 63 18.5 14.6 22.0
 88 15.0 11.8 17.8





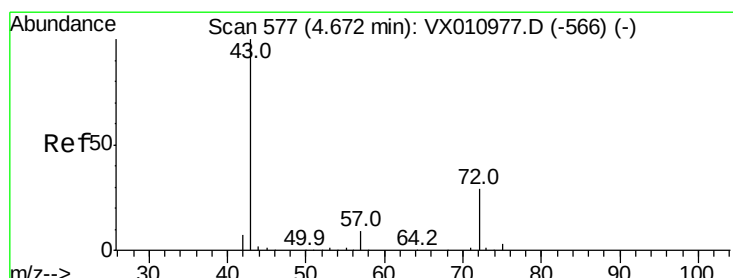
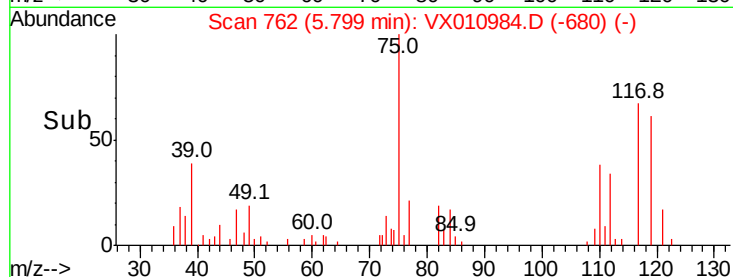
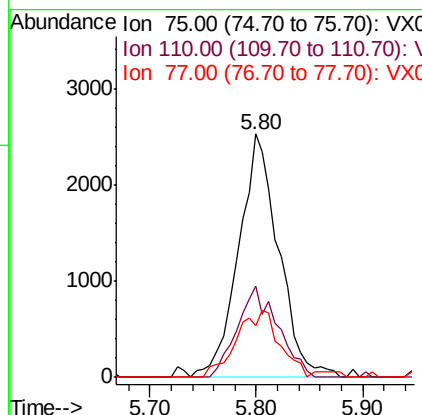
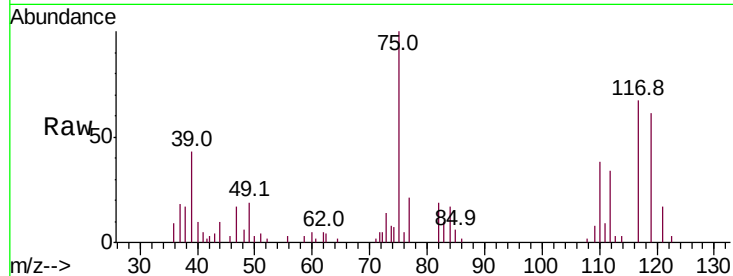
#29
 1,1-Dichloropropene
 Concen: 2.424 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.7	0.0	79.8
77	14.4	0.0	62.2

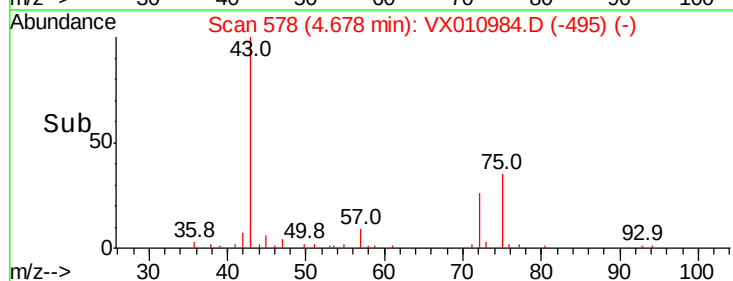
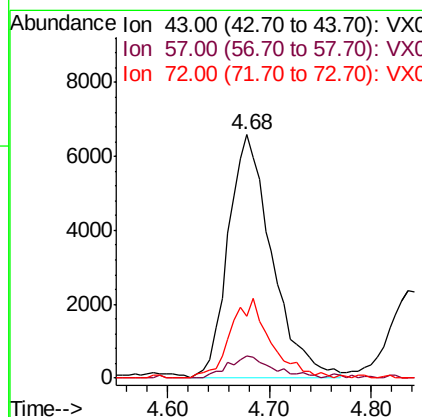
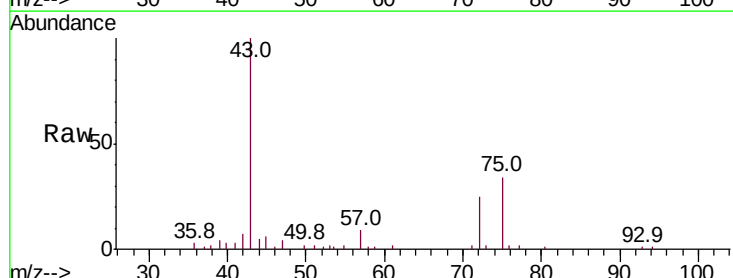
Manual Integrations
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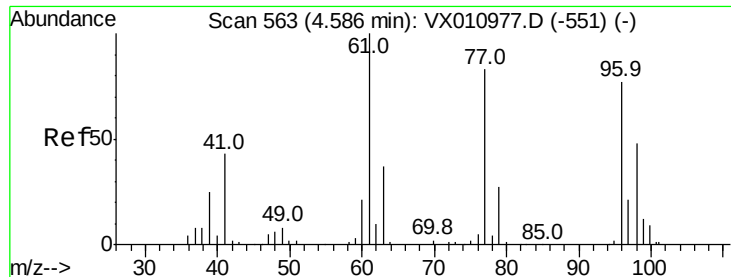
MMDadoda
 7/19/2019 3:13:05 PM



#30
 2-Butanone
 Concen: 13.264 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.8	10.2
72	14.0	23.2	34.8#





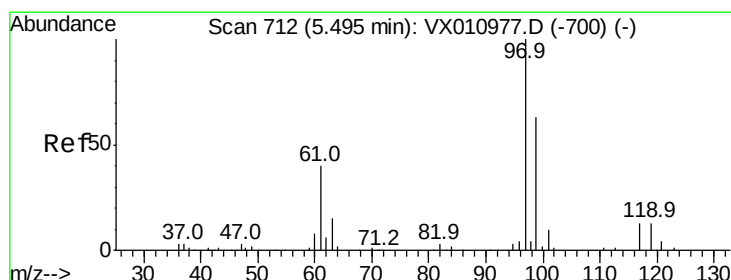
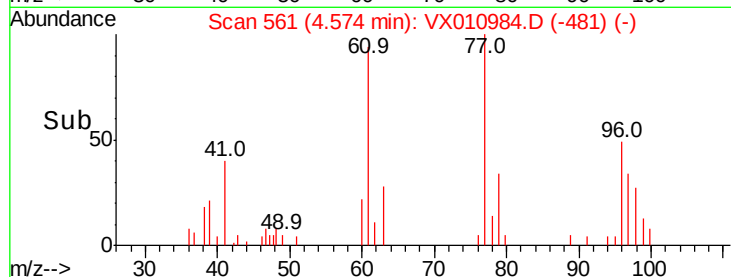
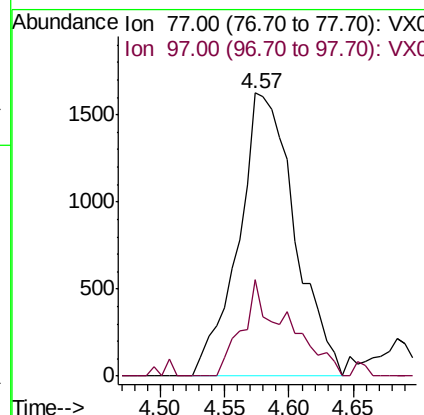
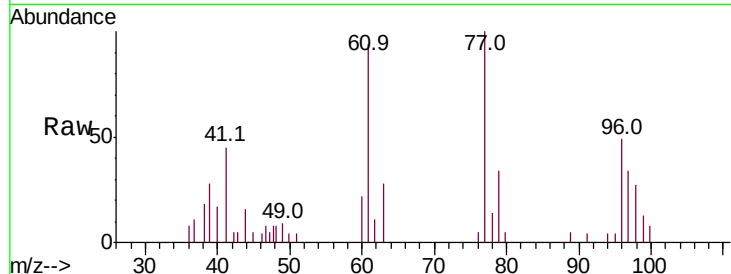
#31
 2,2-Dichloropropane
 Concen: 2.051 ug/l
 RT: 4.57 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion: 77 Resp: 4919
 Ion Ratio Lower Upper
 77 100
 97 5.0 20.9 31.3#

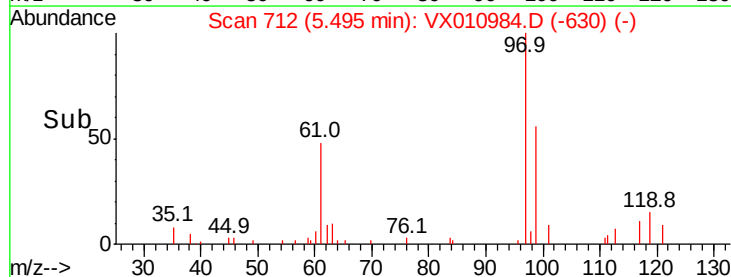
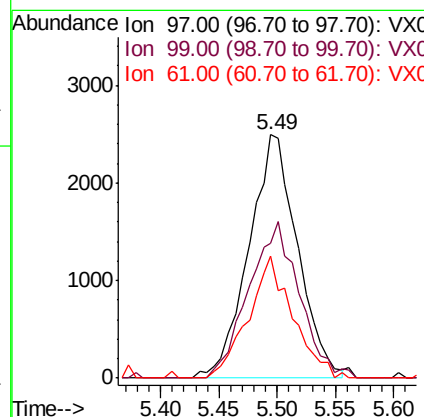
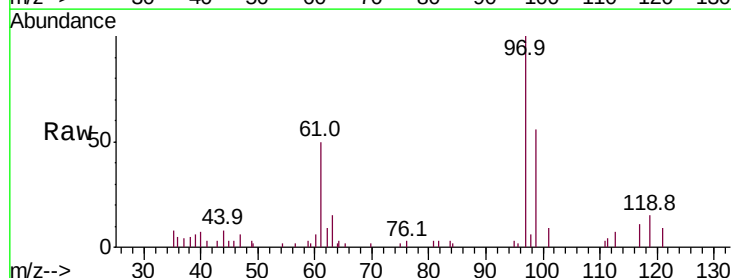
Manual Integrations
 APPROVED

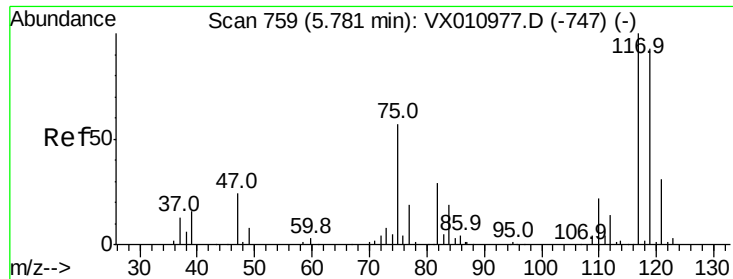
MMDadoda
 7/19/2019 3:13:05 PM



#32
 1,1,1-Trichloroethane
 Concen: 2.191 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion: 97 Resp: 7261
 Ion Ratio Lower Upper
 97 100
 99 65.9 51.0 76.6
 61 45.4 34.3 51.5





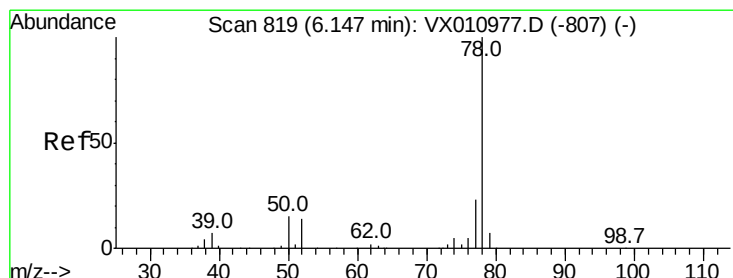
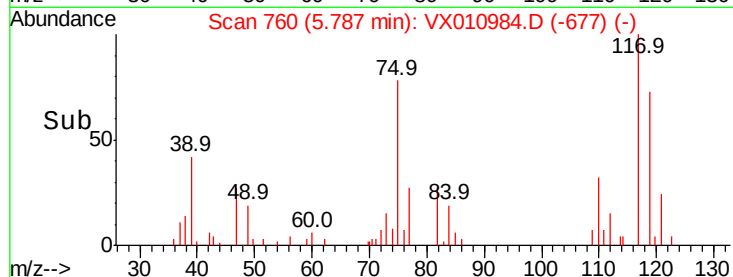
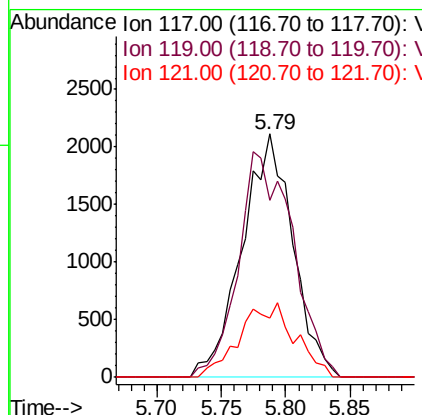
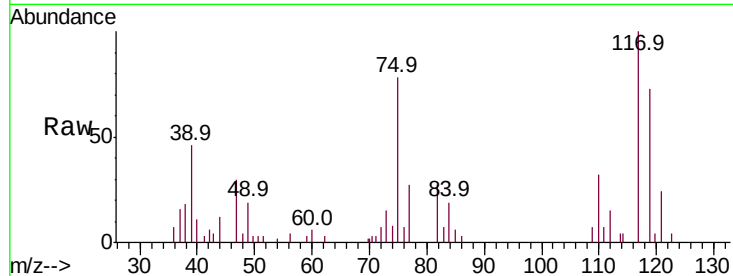
#33
Carbon Tetrachloride
Concen: 2.006 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion:117 Resp: 5779
Ion Ratio Lower Upper
117 100
119 76.4 74.3 111.5
121 24.3 24.9 37.3#

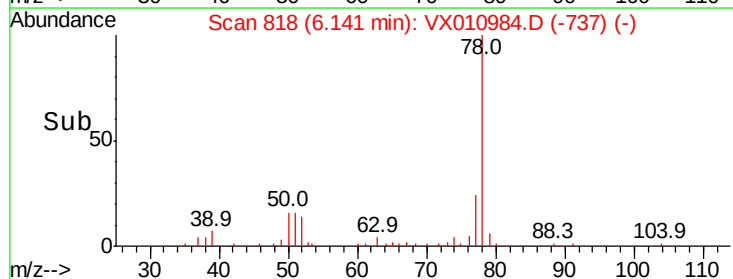
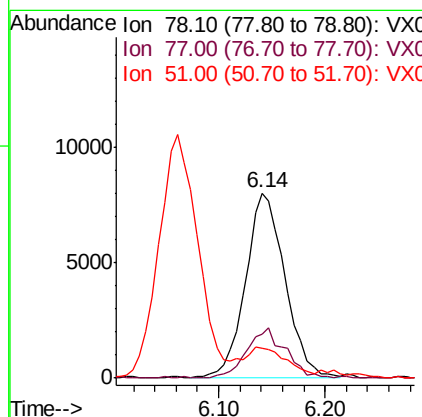
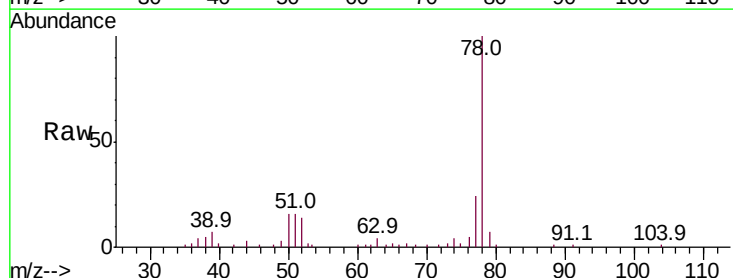
Manual Integrations
APPROVED

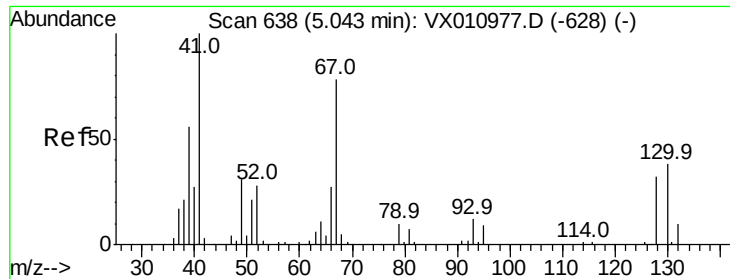
MMDadoda
7/19/2019 3:13:05 PM



#34
Benzene
Concen: 2.536 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion: 78 Resp: 20901
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.4
51 13.8 11.4 17.2





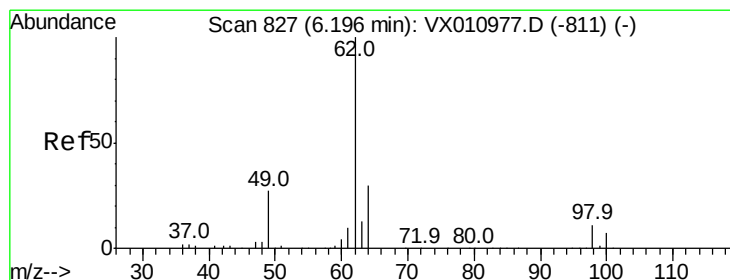
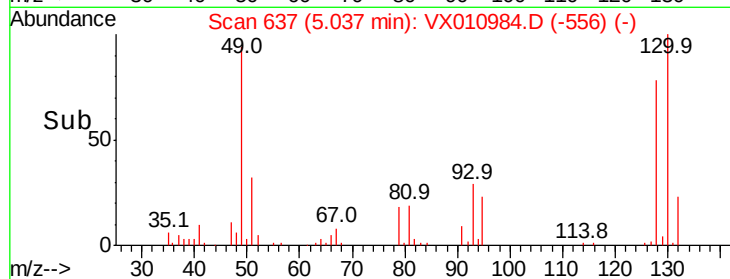
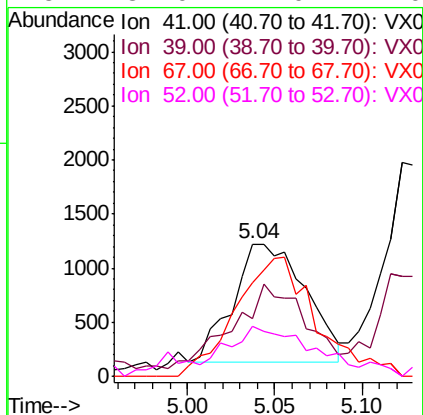
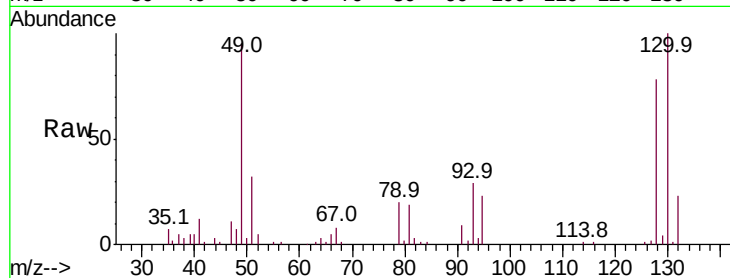
#35
Methacrylonitrile
Concen: 2.029 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	37.5	27.6	82.8
67	74.6	39.1	117.2
52	31.0	14.0	42.0

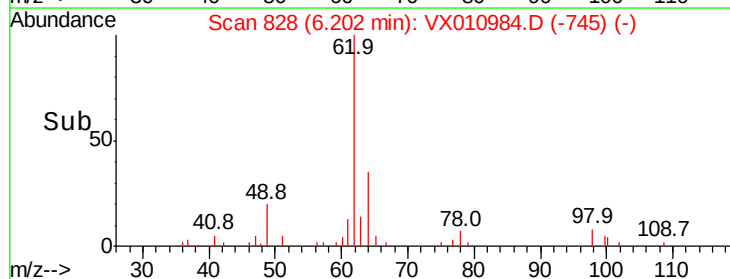
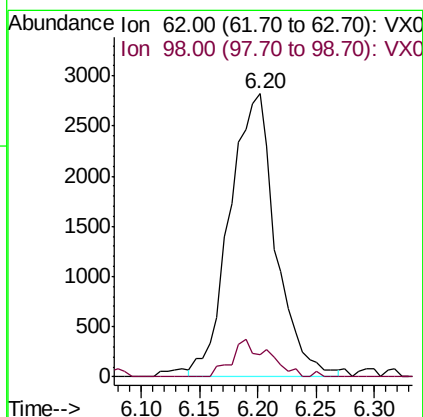
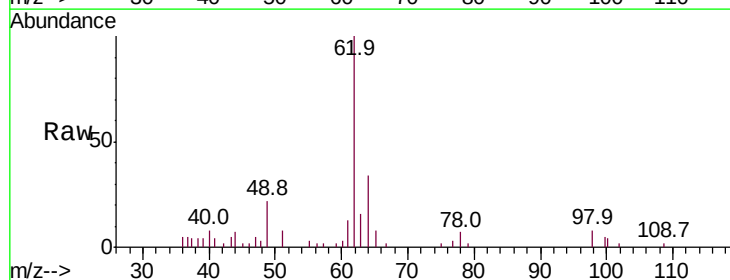
Manual Integrations
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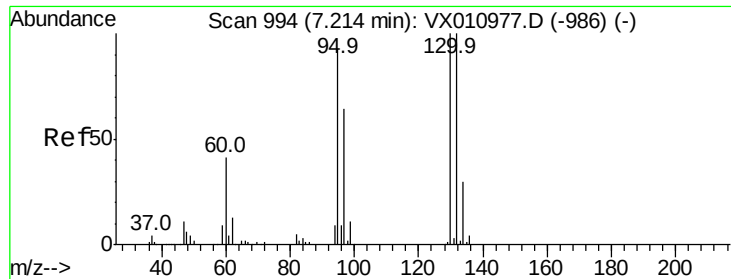
MMDadoda
7/19/2019 3:13:05 PM



#36
1,2-Dichloroethane
Concen: 2.635 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.5	8.0	12.0#





#37

Trichloroethene

Concen: 2.503 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:130 Resp: 6039

Ion Ratio Lower Upper

130 100

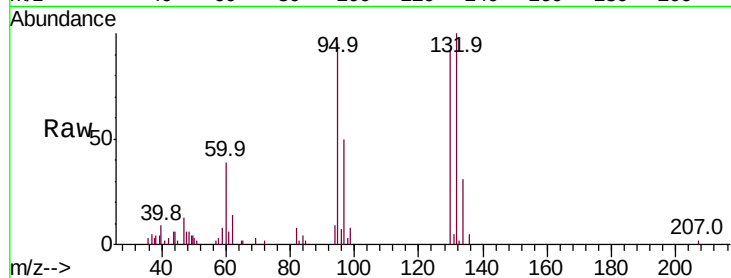
95 100.2 74.1 111.1

Manual Integrations

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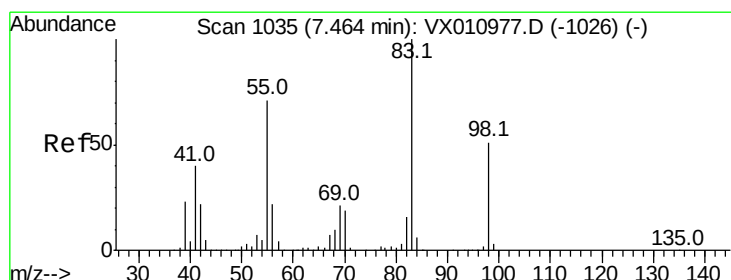
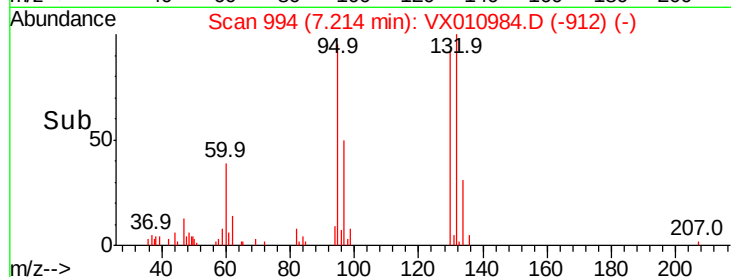
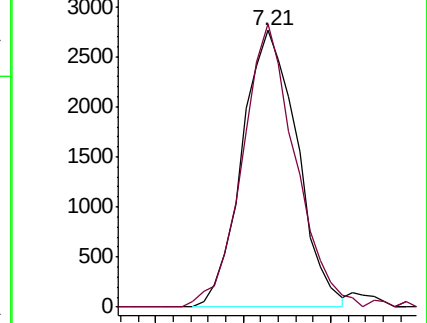
MMDadoda

7/19/2019 3:13:05 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 2.209 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

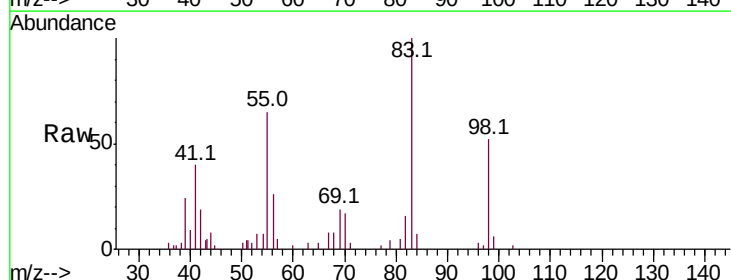
Tgt Ion: 83 Resp: 7659

Ion Ratio Lower Upper

83 100

55 73.4 35.3 105.9

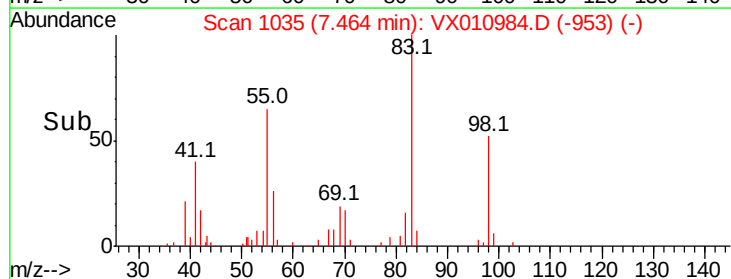
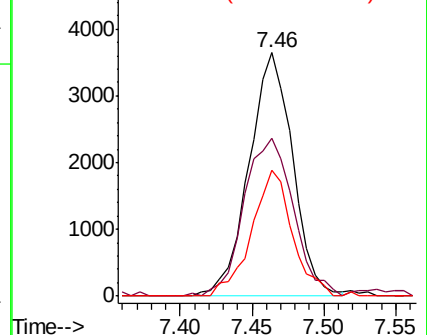
98 48.3 24.0 72.0

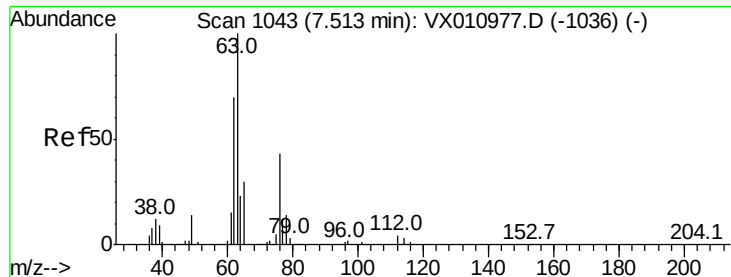


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





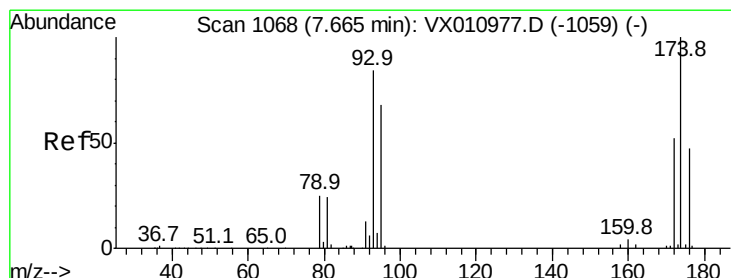
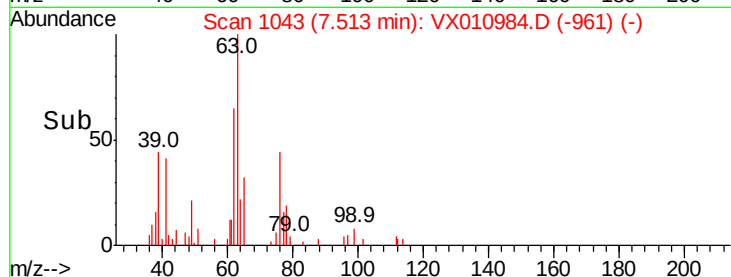
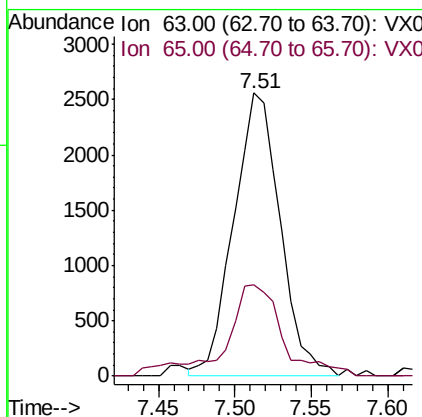
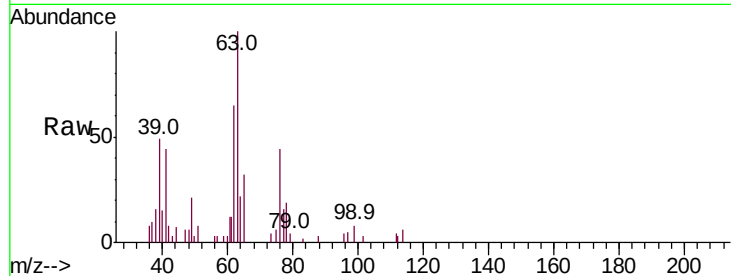
#39
 1,2-Dichloropropane
 Concen: 2.623 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion: 63 Resp: 5403
 Ion Ratio Lower Upper
 63 100
 65 29.4 25.6 38.4

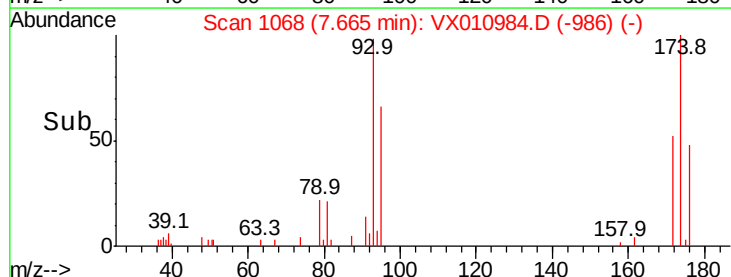
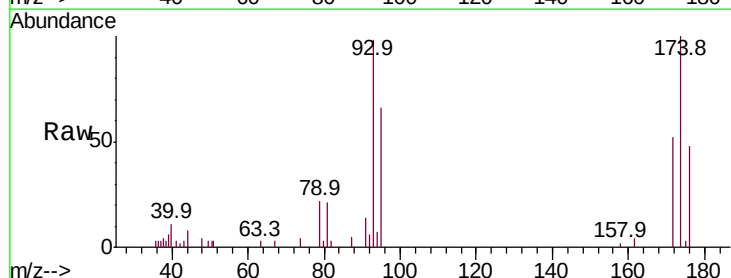
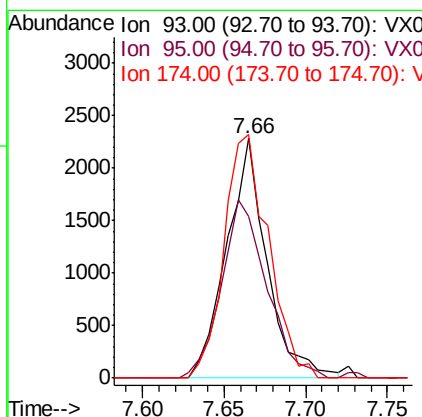
Manual Integrations
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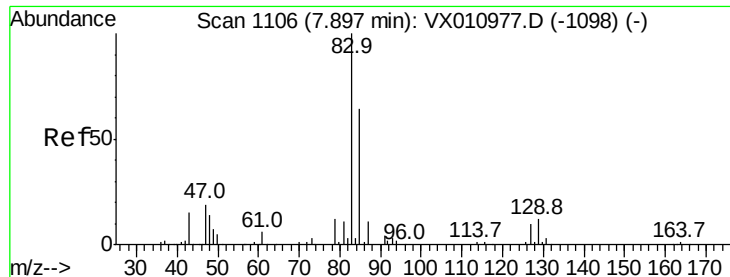
MMDadoda
 7/19/2019 3:13:05 PM



#40
 Dibromomethane
 Concen: 2.590 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion: 93 Resp: 3924
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 166.0
 174 111.3 0.0 229.2





#41

Bromodichloromethane

Concen: 2.218 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

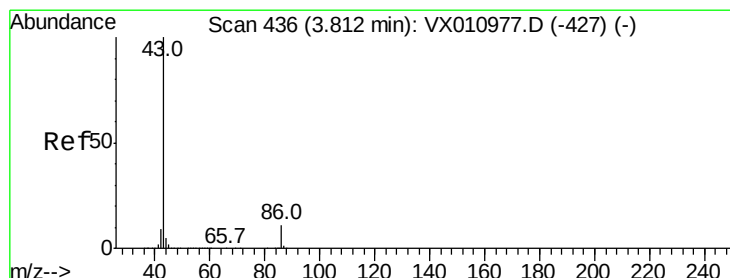
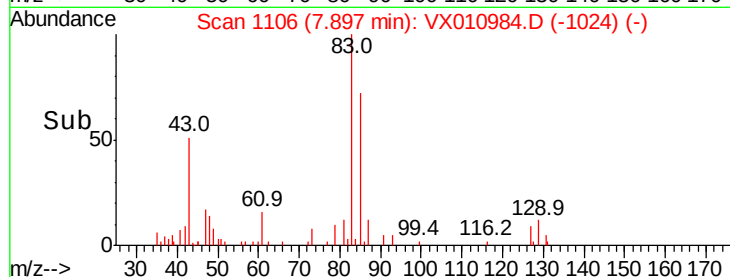
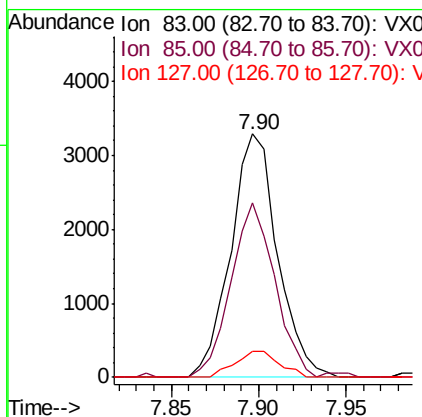
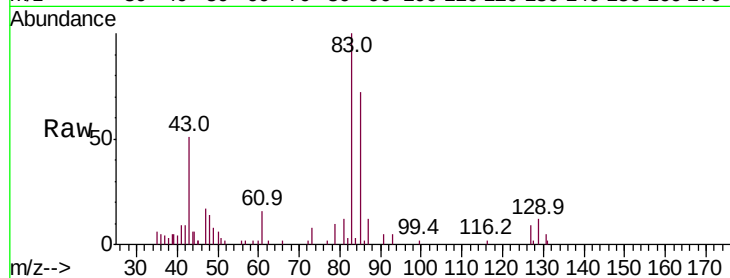
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	83	Resp:	6118
Ion	Ratio	Lower	Upper
83	100		
85	71.9	50.9	76.3
127	10.7	7.7	11.5

Manual Integrations
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MMDadoda
7/19/2019 3:13:05 PM



#42

Vinyl Acetate

Concen: 11.886 ug/l

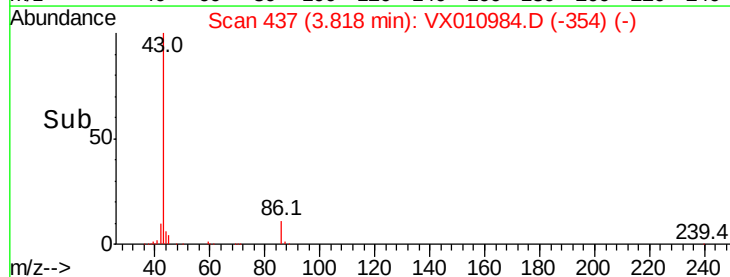
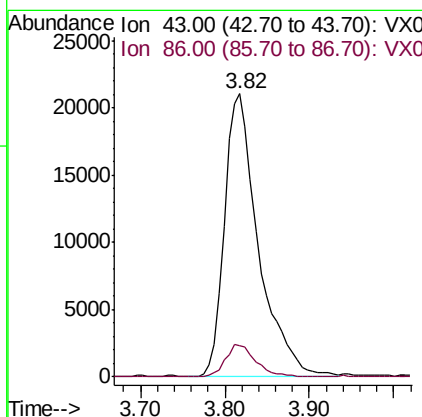
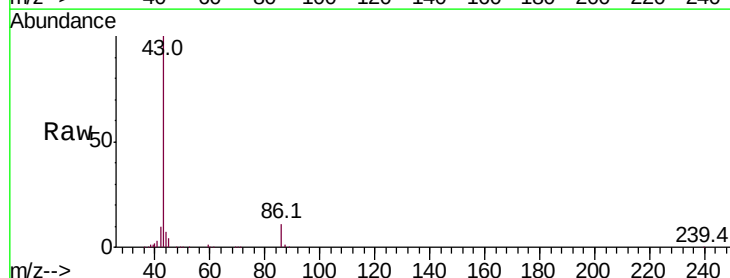
RT: 3.82 min Scan# 437

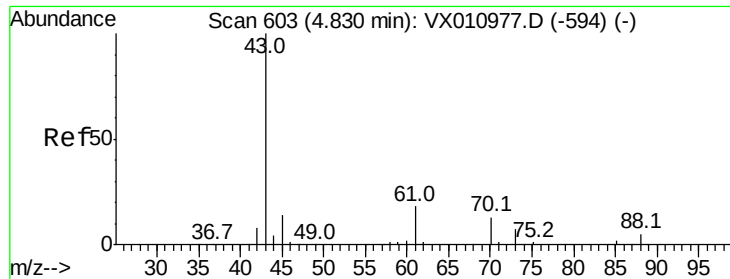
Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	43	Resp:	58077
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2





#43

Ethyl Acetate

Concen: 2.189 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 43 Resp: 6232

Ion Ratio Lower Upper

43 100

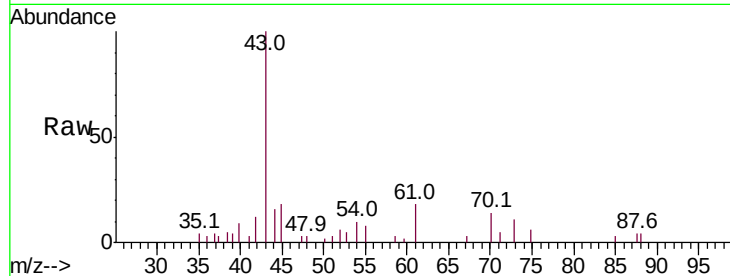
45 12.3 12.1 18.1

Manual Integrations

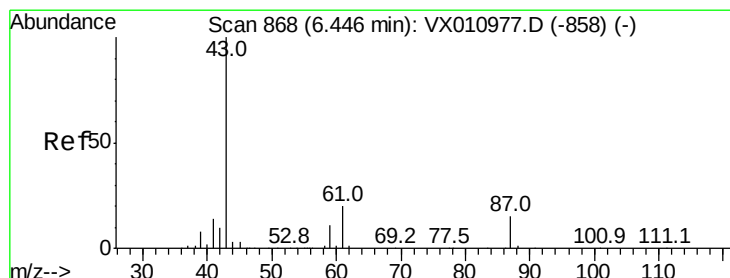
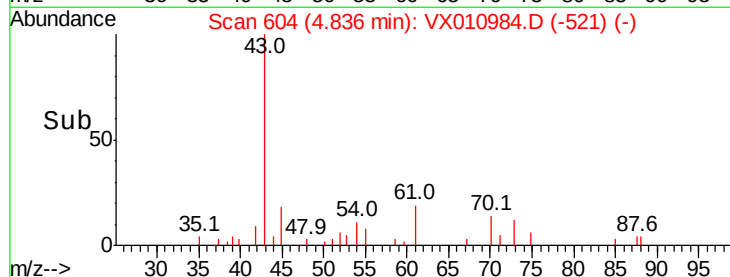
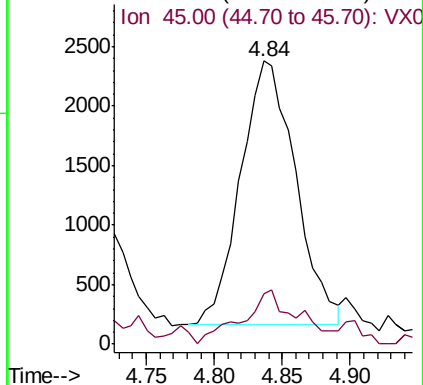
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Abundance Ion 43.00 (42.70 to 43.70): VX0



#44

Isopropyl Acetate

Concen: 2.410 ug/l

RT: 6.45 min Scan# 869

Delta R.T. 0.01 min

Lab File: VX010984.D

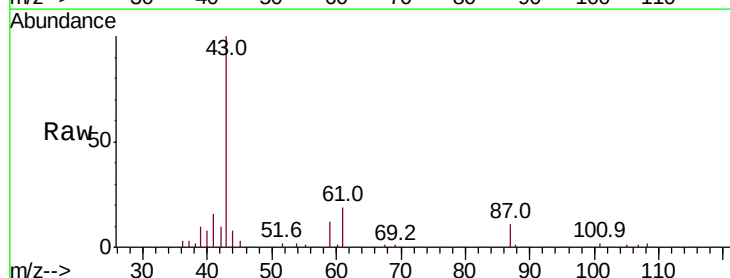
Acq: 19 Jul 2019 01:51

Tgt Ion: 43 Resp: 11174

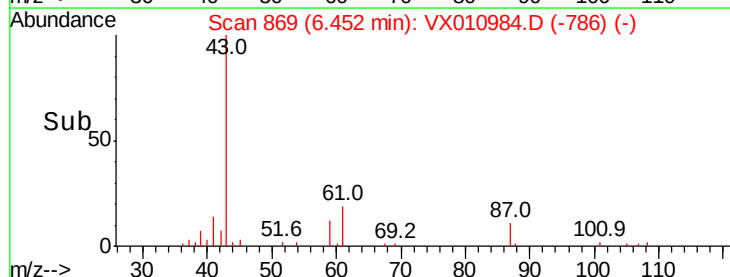
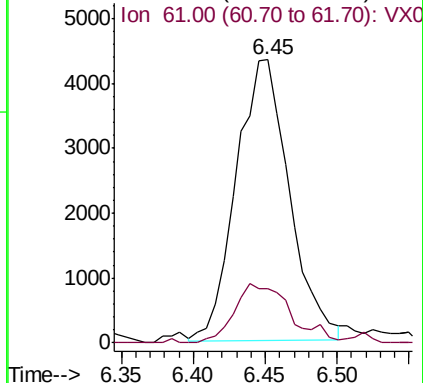
Ion Ratio Lower Upper

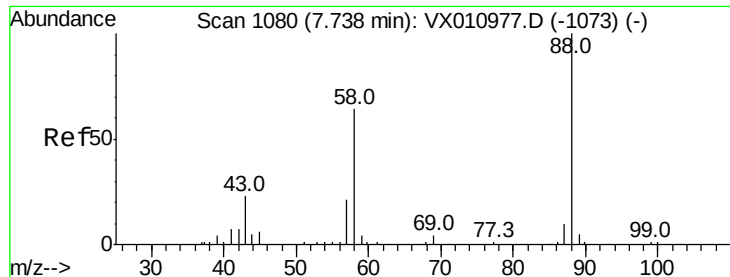
43 100

61 20.6 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0





#45

1,4-Dioxane

Concen: 56.897 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

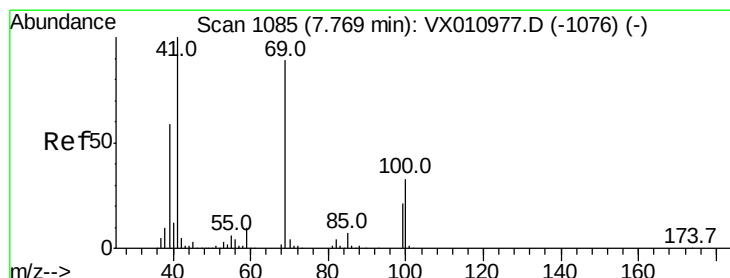
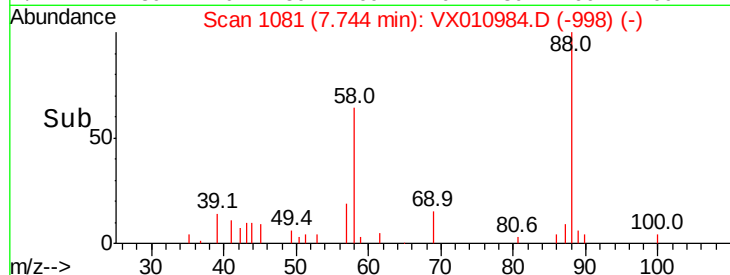
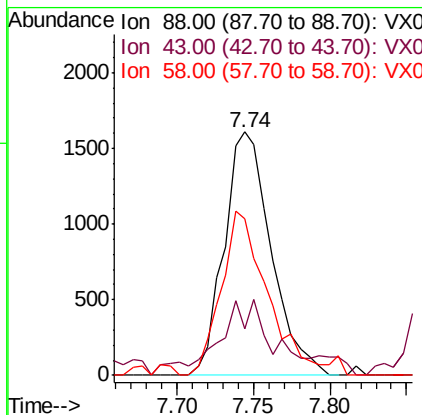
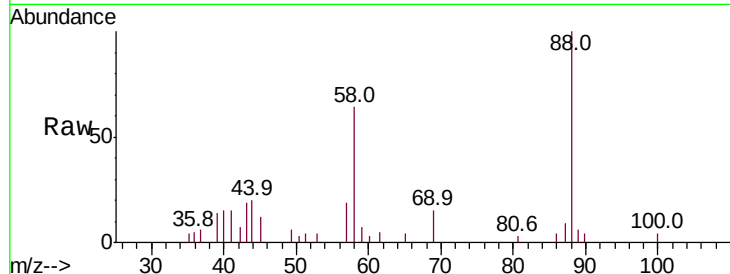
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	88	Resp:	3434
Ion	Ratio	Lower	Upper
88	100		
43	21.1	21.6	32.4#
58	66.9	52.2	78.2

Manual Integrations
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7/19/2019 3:13:05 PM



#46

Methyl methacrylate

Concen: 2.430 ug/l

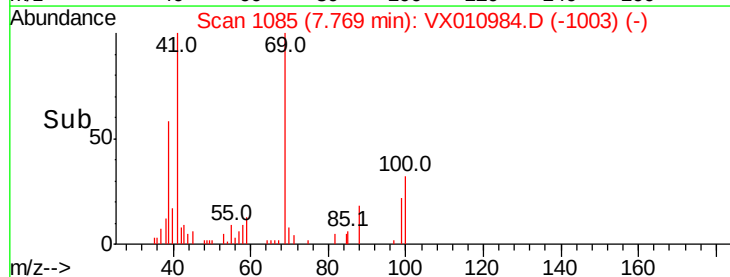
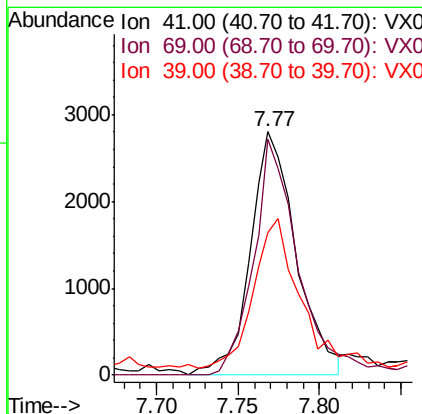
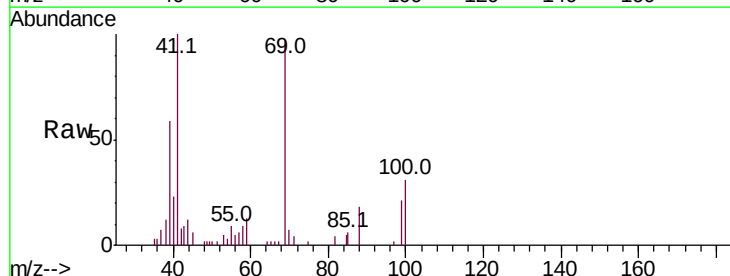
RT: 7.77 min Scan# 1085

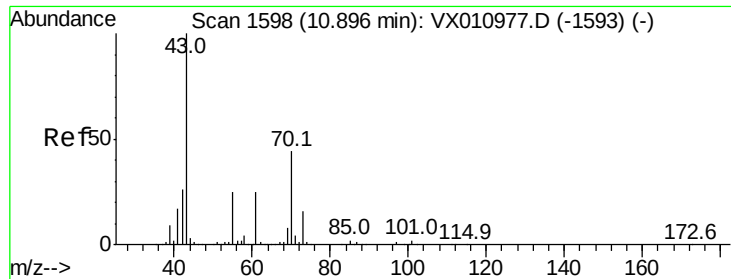
Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	41	Resp:	5470
Ion	Ratio	Lower	Upper
41	100		
69	97.1	44.7	134.1
39	54.4	29.4	88.2





#47

n-amvl Acetate

Concen: 1.902 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 43 Resp: 7911

Ion Ratio Lower Upper

43 100

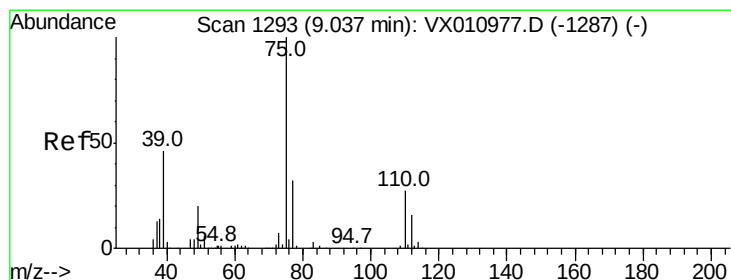
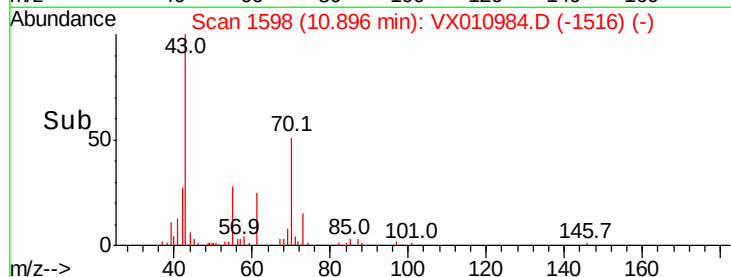
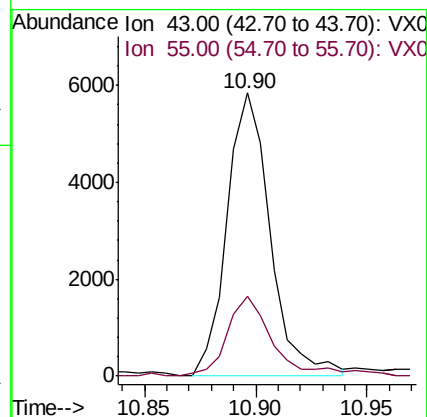
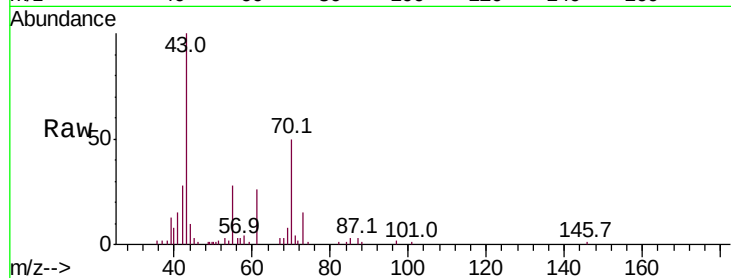
55 27.4 19.6 29.4

Manual Integrations

APPROVED

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7/19/2019 3:13:05 PM



#48

t-1,3-Dichloropropene

Concen: 1.887 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010984.D

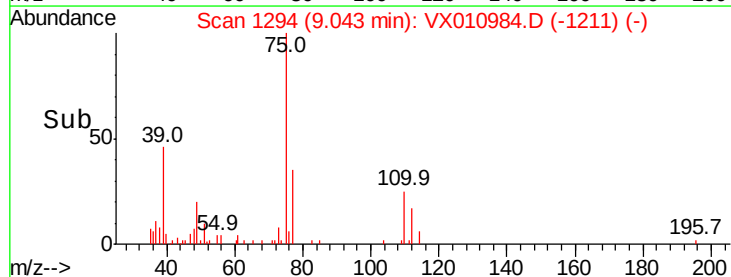
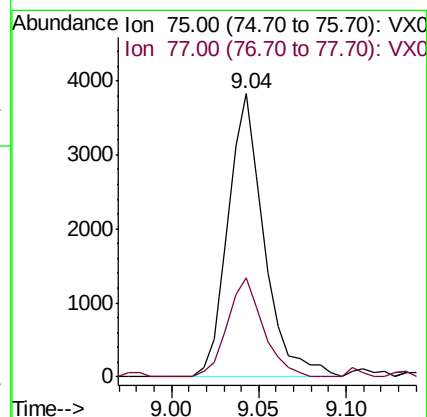
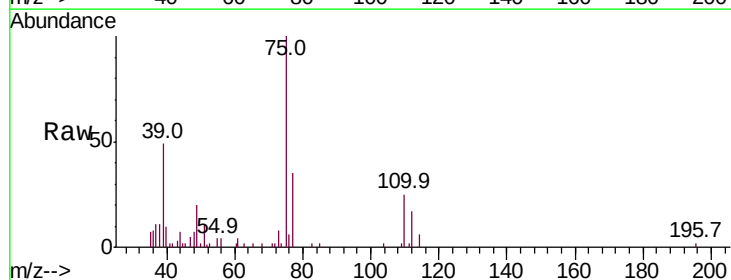
Acq: 19 Jul 2019 01:51

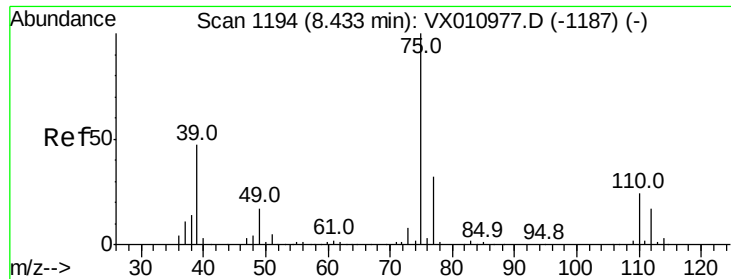
Tgt Ion: 75 Resp: 5485

Ion Ratio Lower Upper

75 100

77 34.9 25.7 38.5





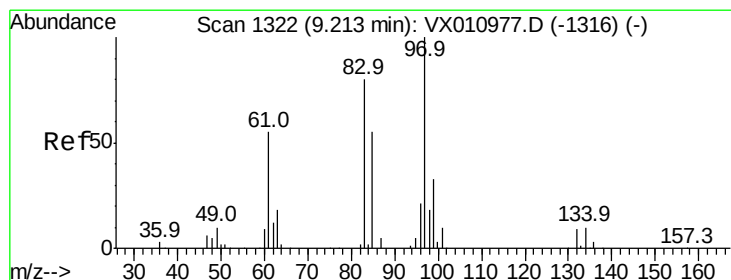
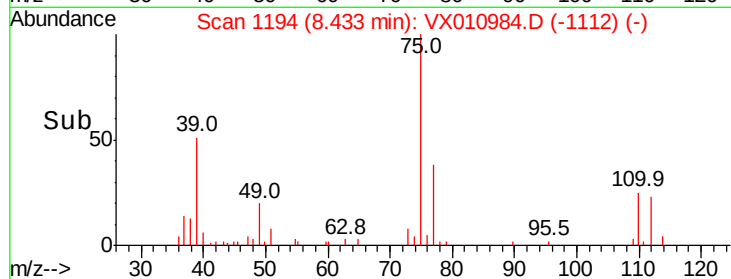
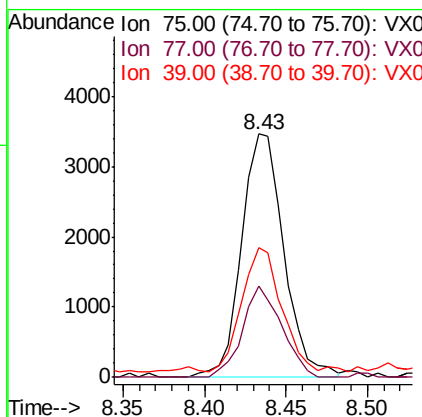
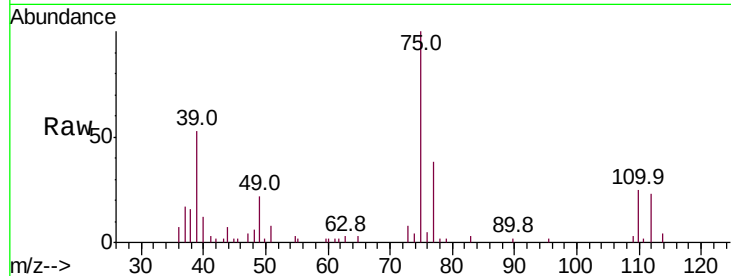
#49
 cis-1,3-Dichloropropene
 Concen: 1.972 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Resp	Lower	Upper
75	100	6255		
77	37.5		25.3	37.9
39	49.4		37.8	56.6

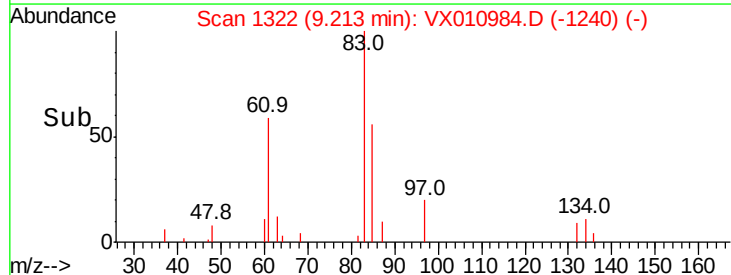
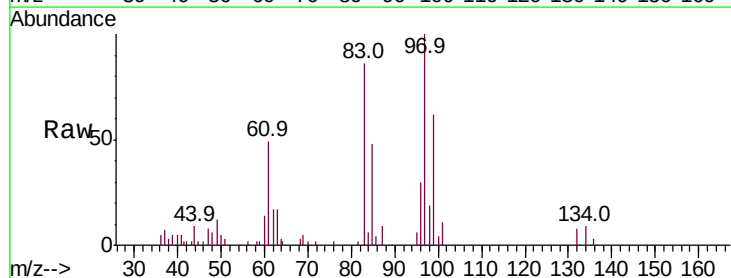
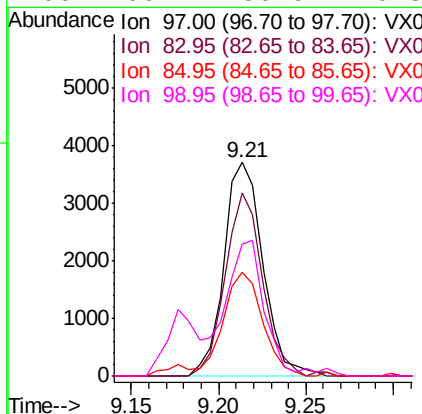
Manual Integrations
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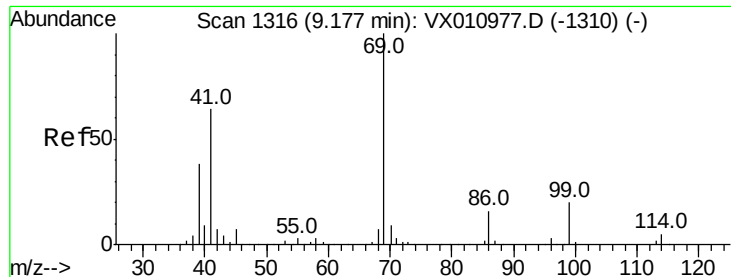
MMDadoda
 7/19/2019 3:13:05 PM



#50
 1,1,2-Trichloroethane
 Concen: 2.599 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	5763		
83	86.0		63.9	95.9
85	48.3		43.4	65.2
99	60.1		50.9	76.3





#51

Ethyl methacrylate

Concen: 2.176 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

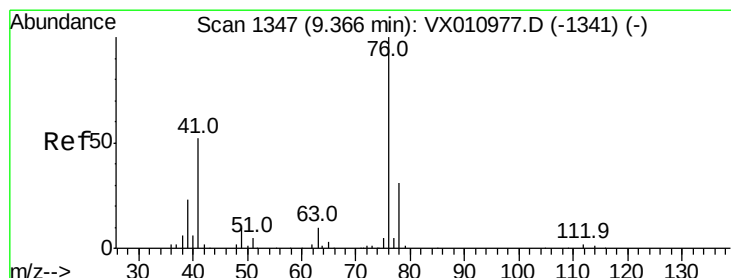
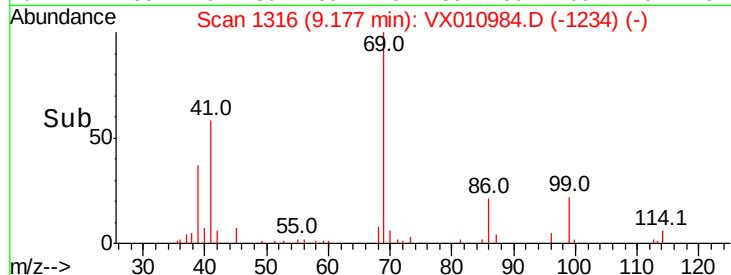
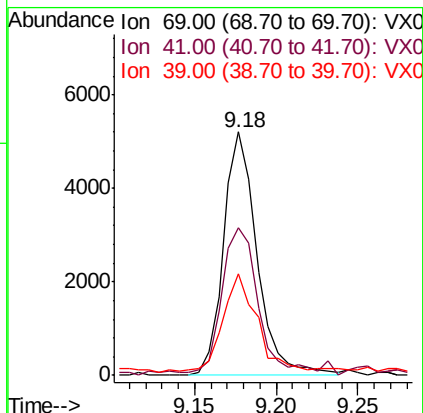
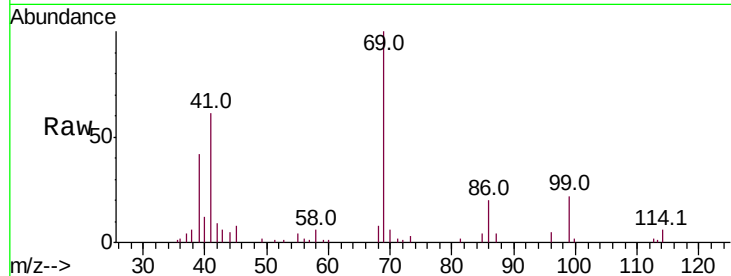
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	69	Resp:	7464
Ion	Ratio	Lower	Upper
69	100		
41	59.2	32.1	96.3
39	39.8	19.1	57.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 2.546 ug/l

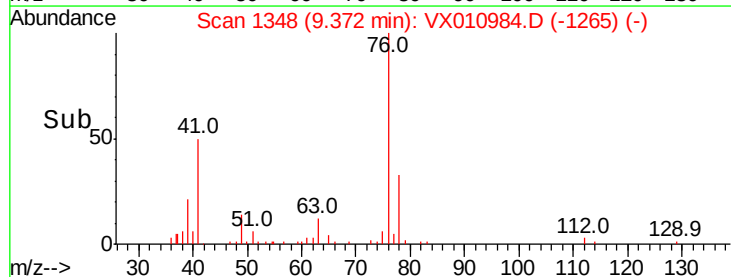
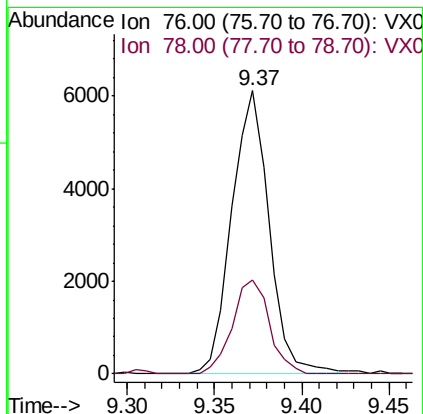
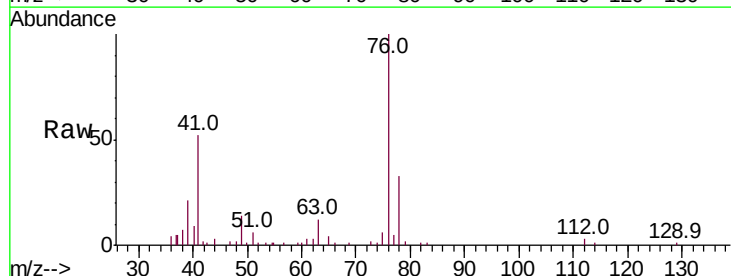
RT: 9.37 min Scan# 1348

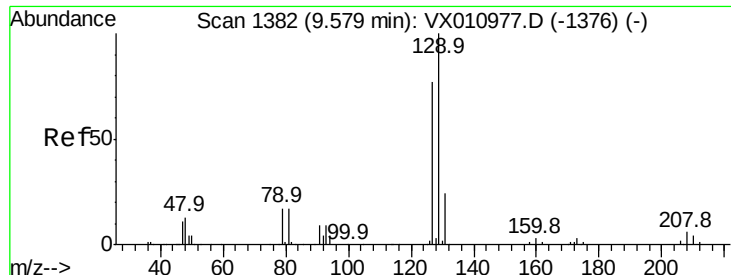
Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	76	Resp:	9073
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	63.8





#53

Dibromochloromethane

Concen: 1.818 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:129 Resp: 4354

Ion Ratio Lower Upper

129 100

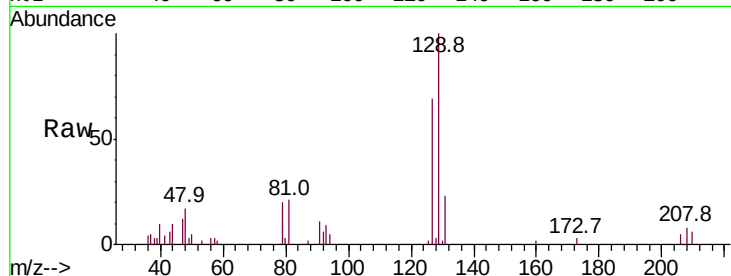
127 80.4 38.1 114.3

Manual Integrations

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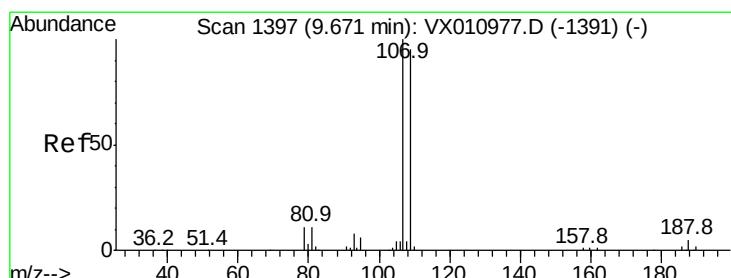
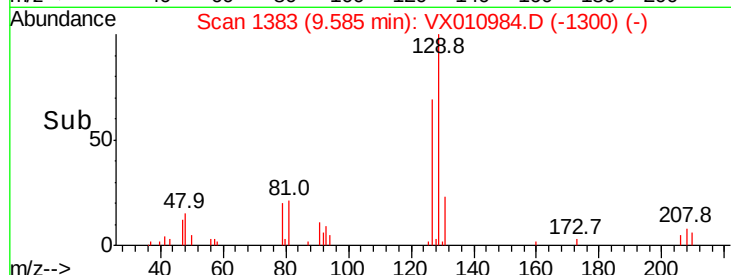
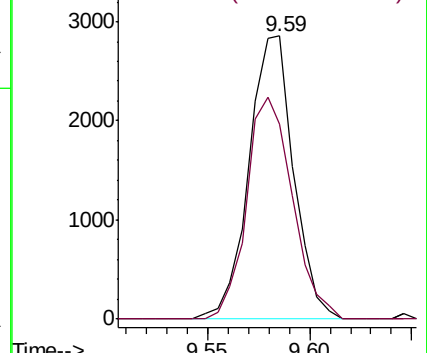
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.383 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010984.D

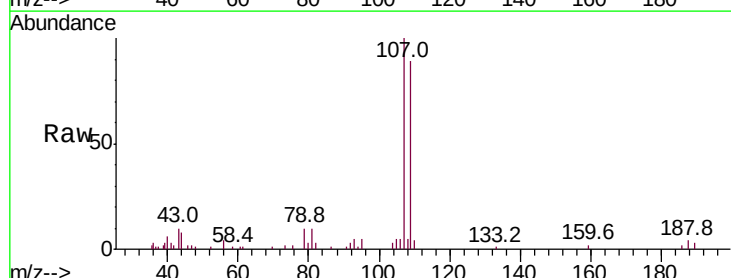
Acq: 19 Jul 2019 01:51

Tgt Ion:107 Resp: 5743

Ion Ratio Lower Upper

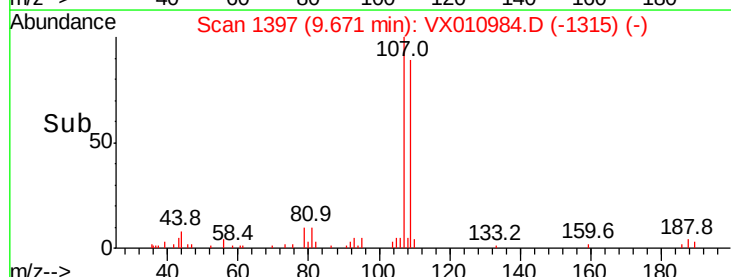
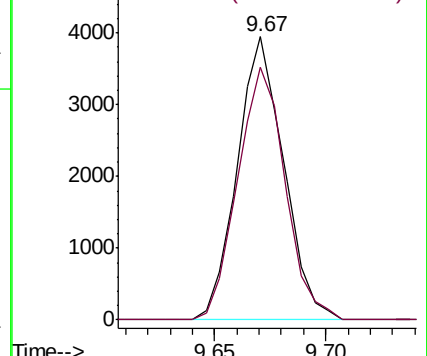
107 100

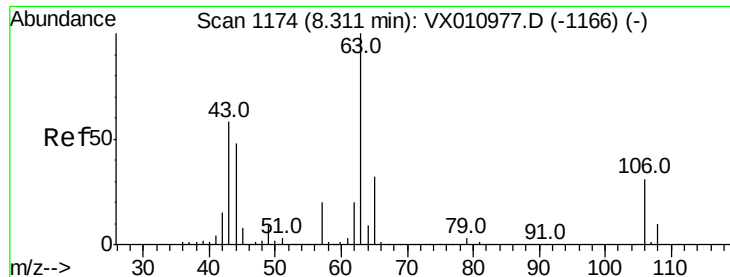
109 91.2 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





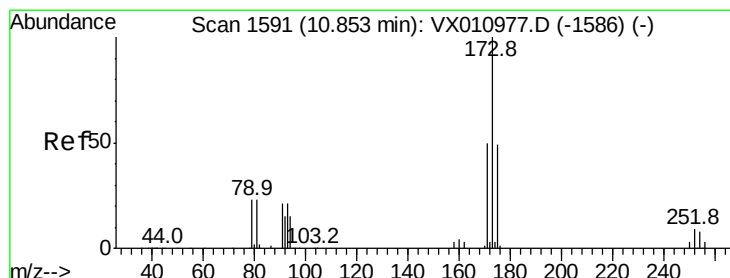
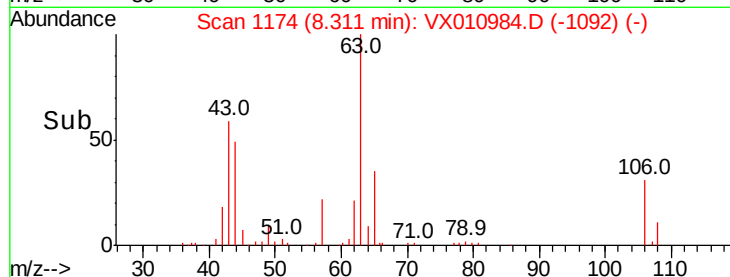
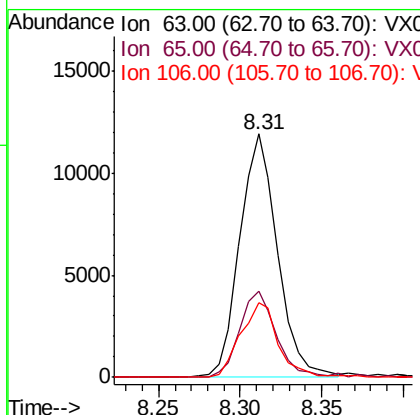
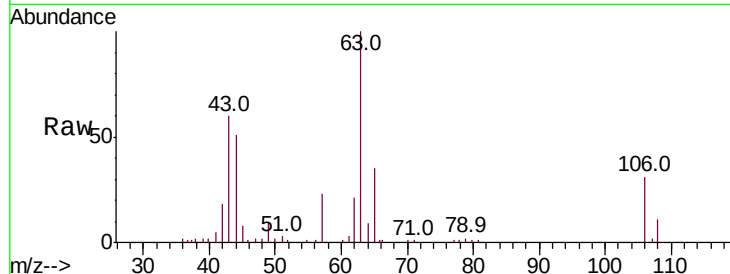
#55
2-Chloroethyl vinyl ether
Concen: 13.210 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.9	25.7	38.5
106	30.6	24.8	37.2

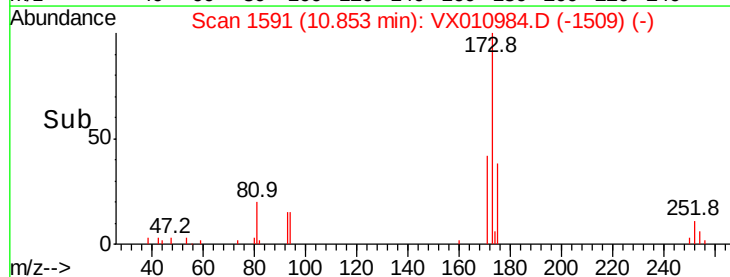
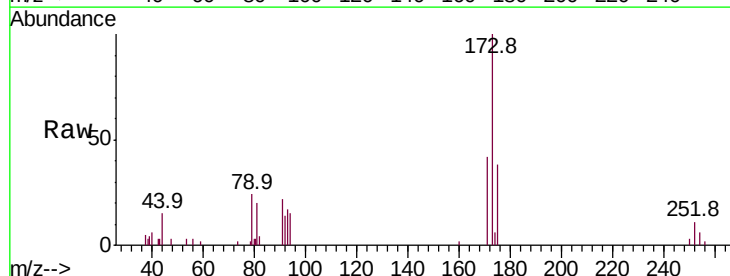
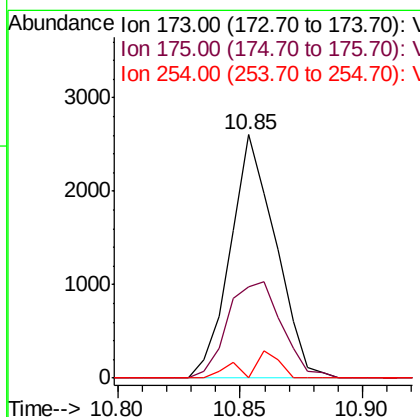
Manual Integrations
APPROVED

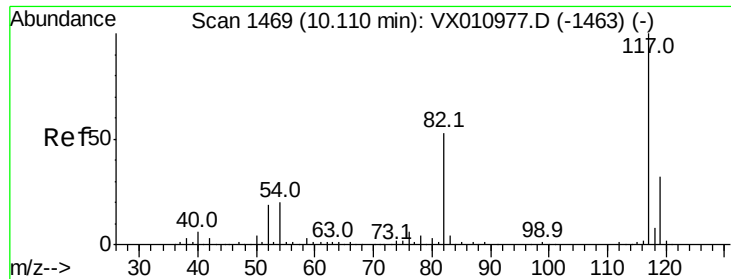
MMDadoda
7/19/2019 3:13:05 PM



#56
Bromoform
Concen: 1.882 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	39.0	58.6
254	5.3	7.9	11.9





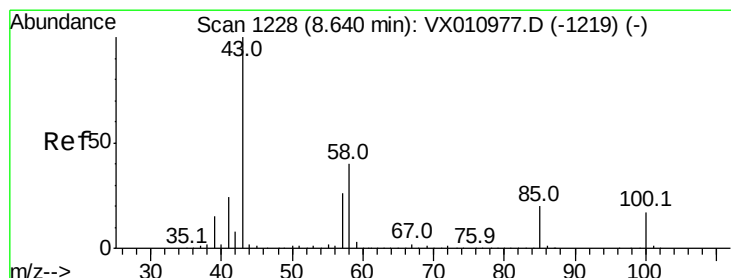
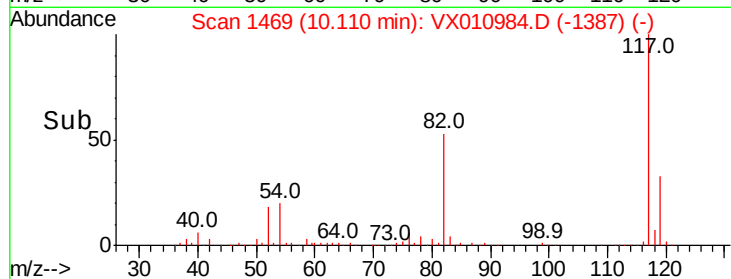
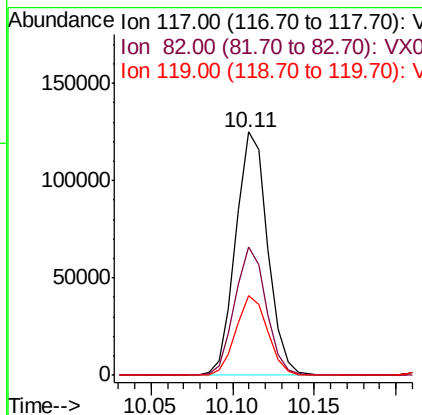
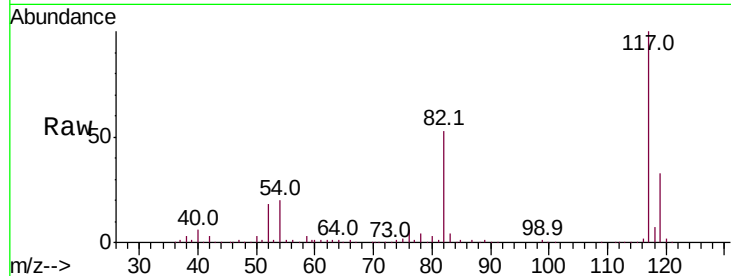
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.6	62.4
119	32.4	26.0	39.0

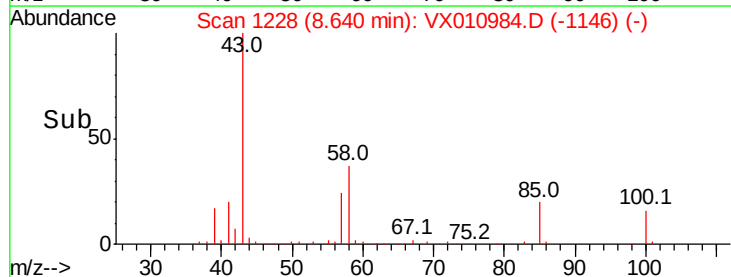
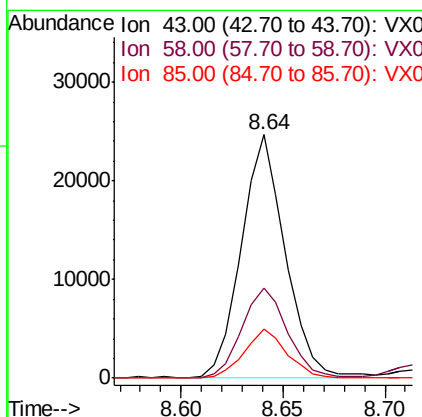
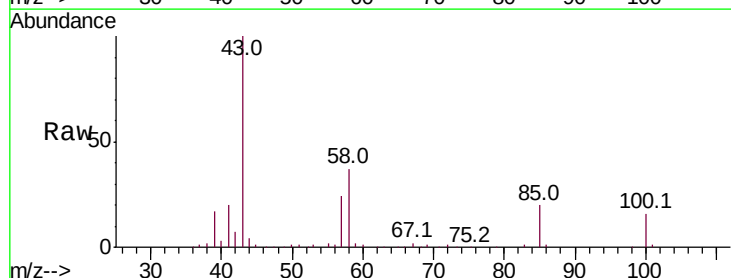
Manual Integrations
APPROVED

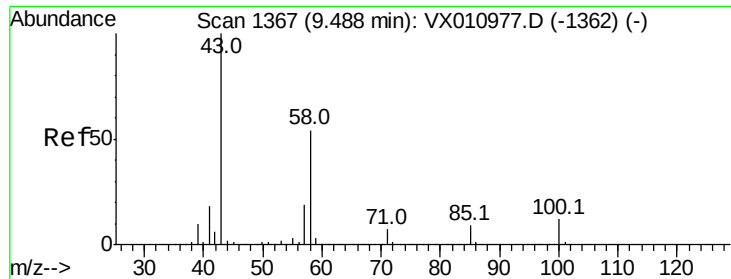
MMDadoda
7/19/2019 3:13:05 PM



#58
4-Methyl-2-Pentanone
Concen: 12.615 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.6	48.8
85	20.1	15.8	23.6





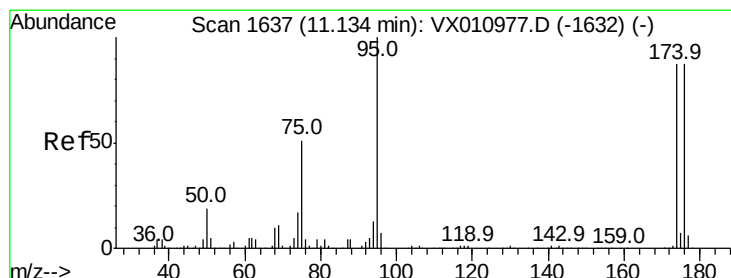
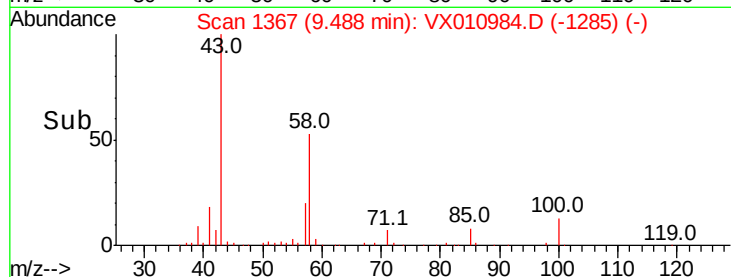
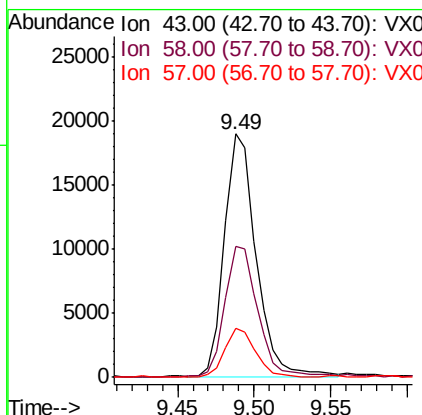
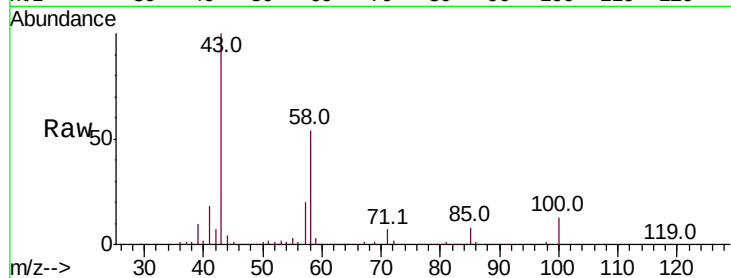
#59
2-Hexanone
Concen: 12.520 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.7	67.1
57	19.5	15.4	23.2

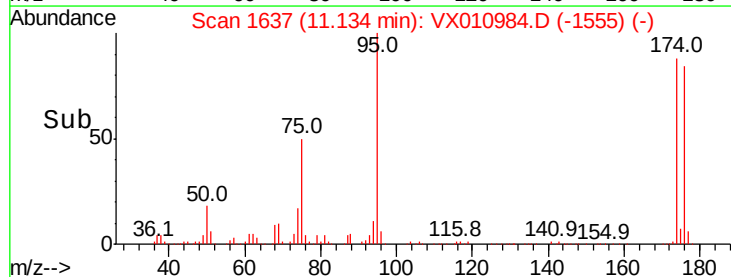
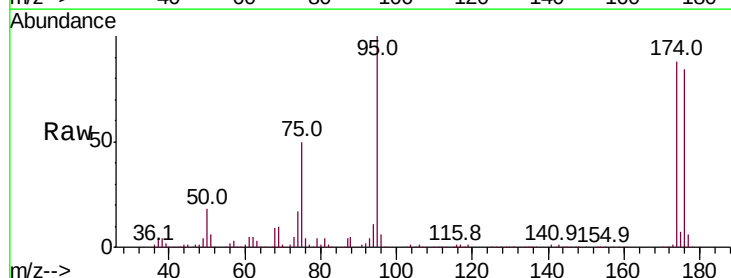
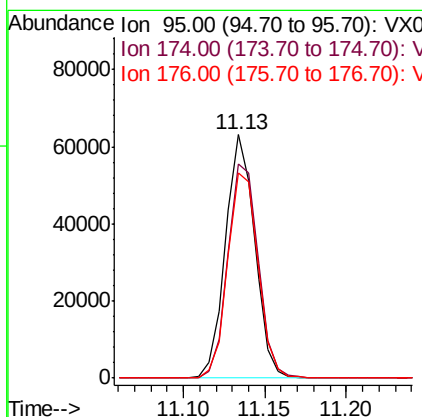
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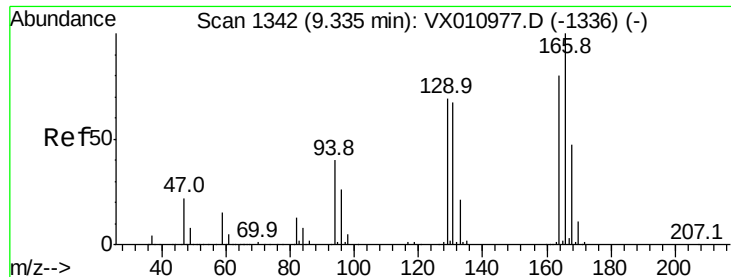
MMDadoda
7/19/2019 3:13:05 PM



#60
4-Bromofluorobenzene
Concen: 28.113 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	73.3	109.9
176	87.5	71.2	106.8





#61

Tetrachloroethene

Concen: 2.673 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:164 Resp: 6023

Ion Ratio Lower Upper

164 100

166 114.6 100.1 150.1

129 86.7 69.6 104.4

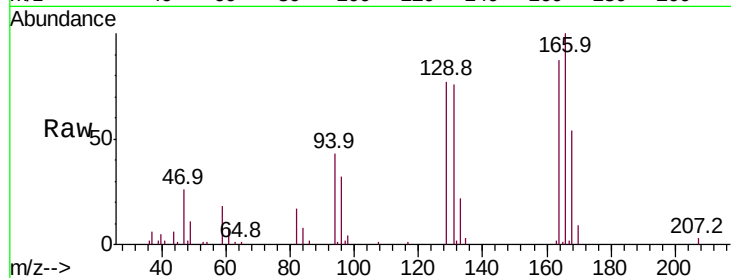
131 87.1 67.0 100.6

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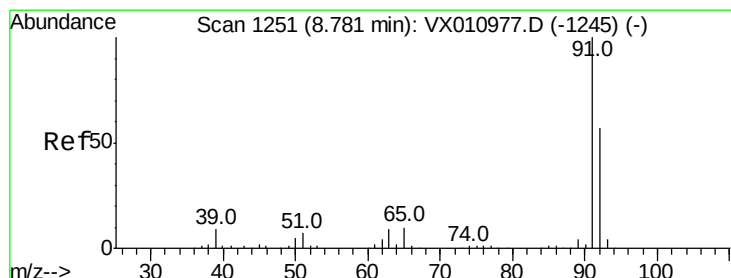
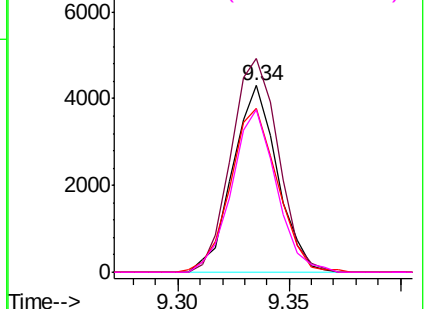
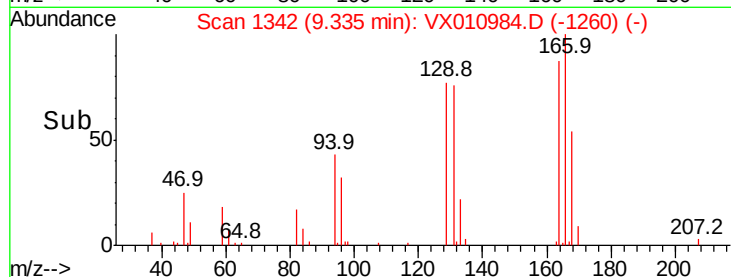


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.499 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010984.D

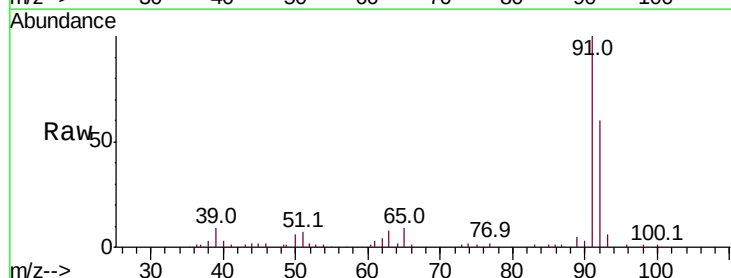
Acq: 19 Jul 2019 01:51

Tgt Ion: 91 Resp: 22661

Ion Ratio Lower Upper

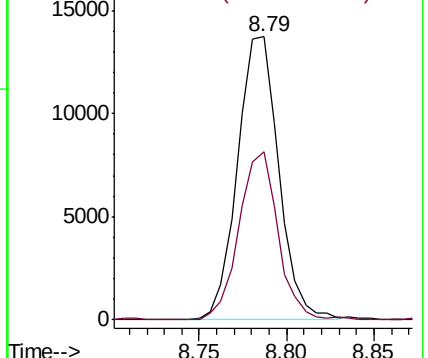
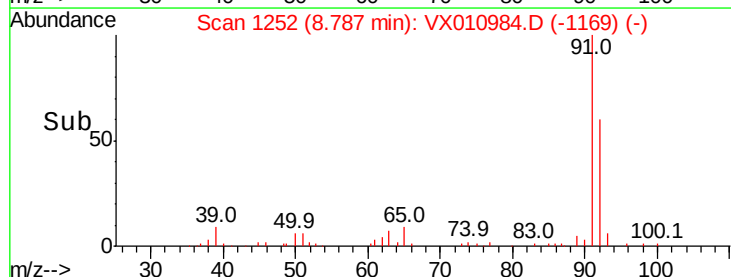
91 100

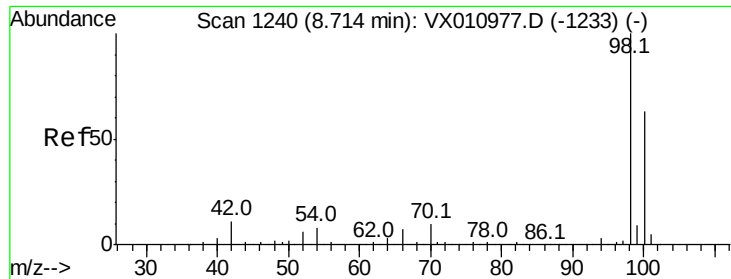
92 56.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





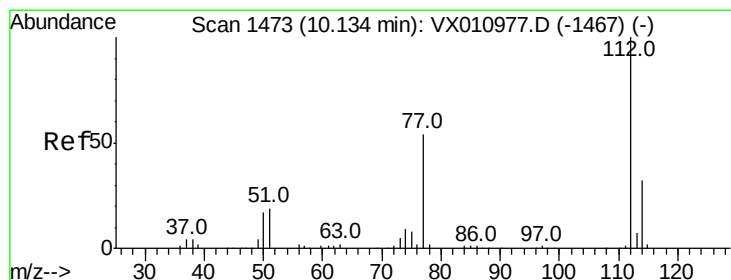
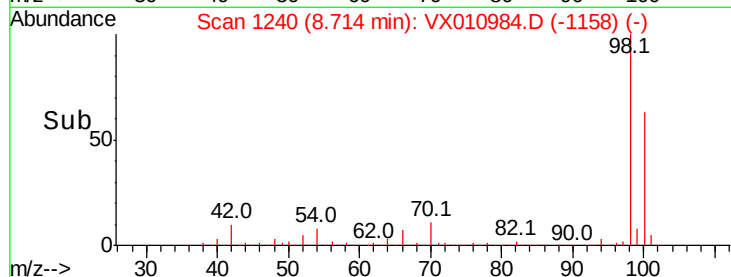
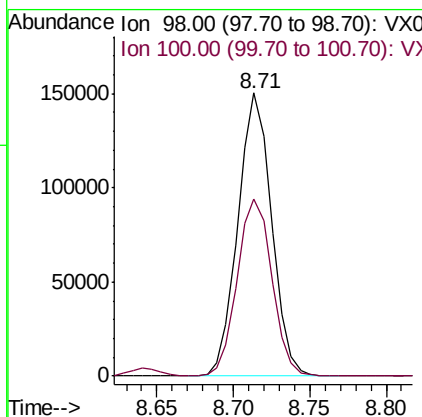
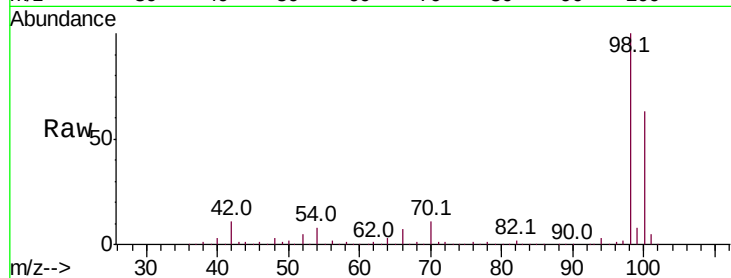
#63
Toluene-d8
Concen: 30.610 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion: 98 Resp: 229623
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0

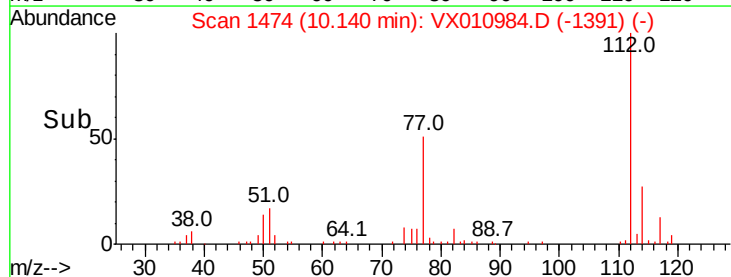
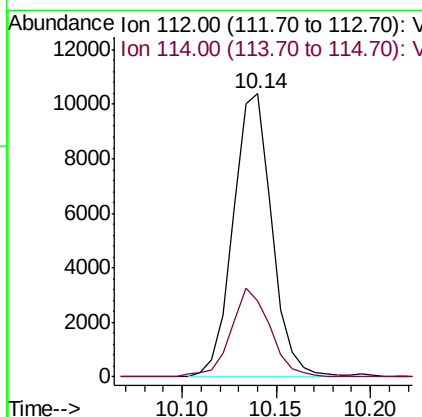
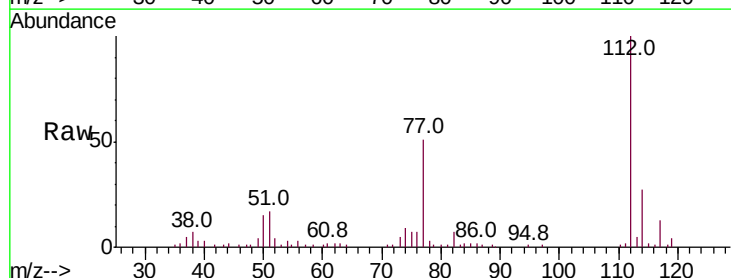
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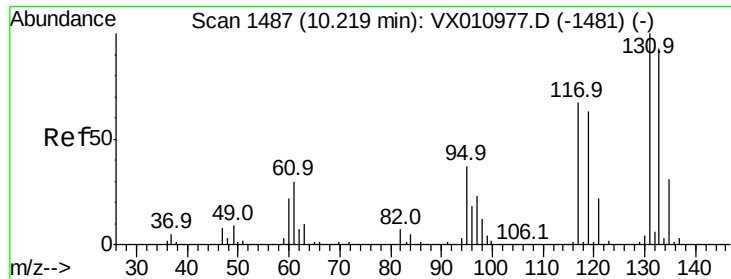
MMDadoda
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#64
Chlorobenzene
Concen: 2.547 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion: 112 Resp: 14797
Ion Ratio Lower Upper
112 100
114 27.0 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 2.205 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

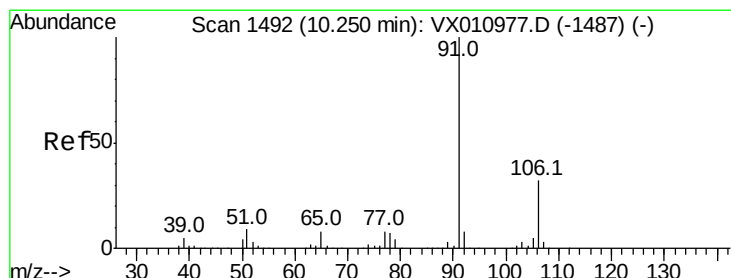
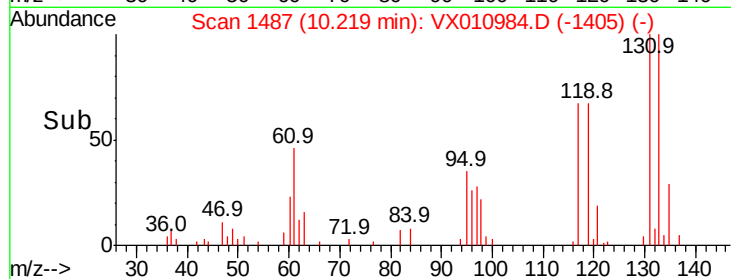
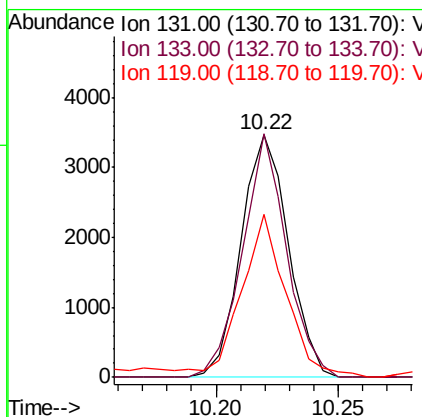
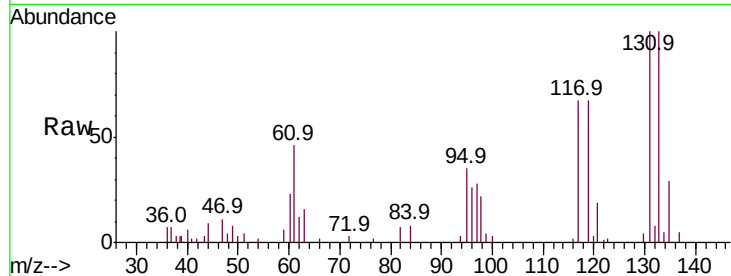
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	131	Resp:	4656
Ion	Ratio	Lower	Upper
131	100		
133	93.7	0.0	190.2
119	62.7	0.0	127.0

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#66

Ethyl Benzene

Concen: 2.291 ug/l

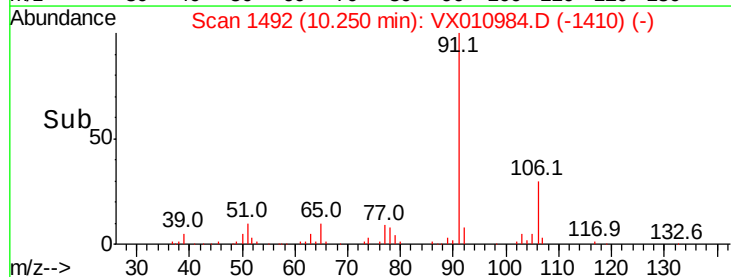
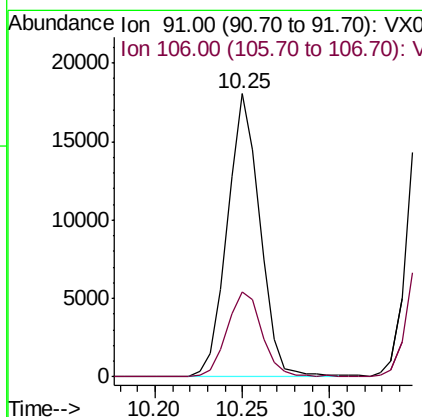
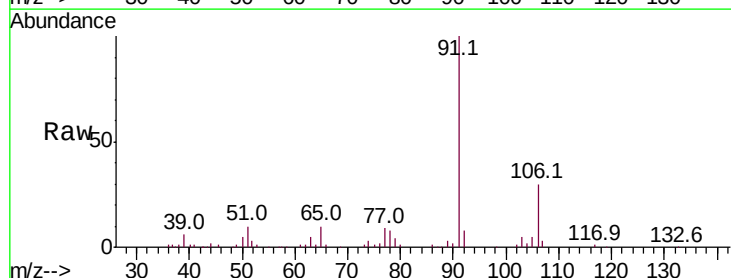
RT: 10.25 min Scan# 1492

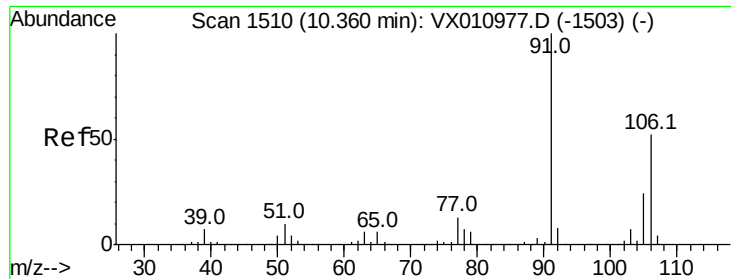
Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	91	Resp:	23382
Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.8	38.8





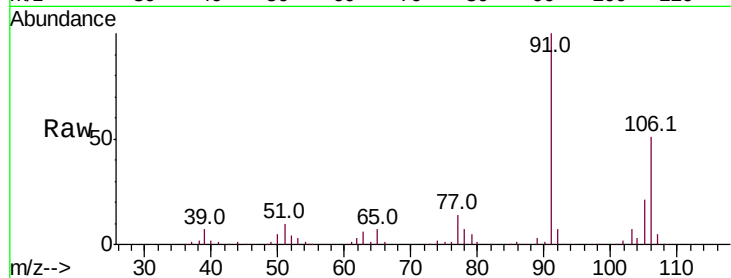
#67
m/p-Xylenes
Concen: 4.615 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

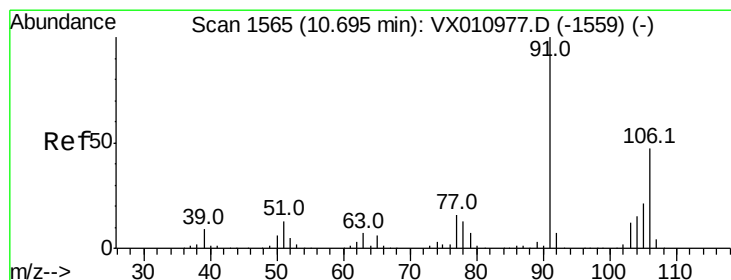
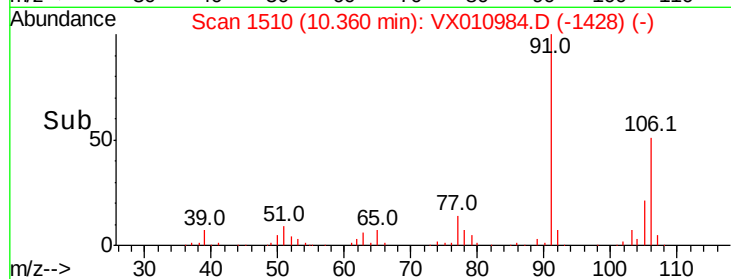
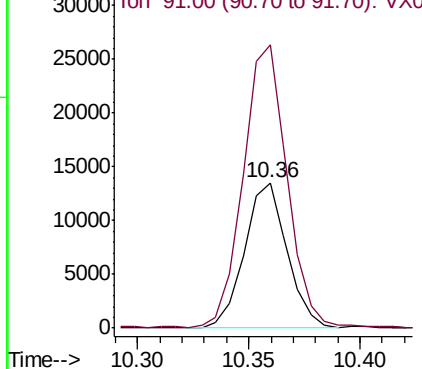
Tot Ion:106 Resp: 18021
Ion Ratio Lower Upper
106 100
91 201.3 156.6 235.0

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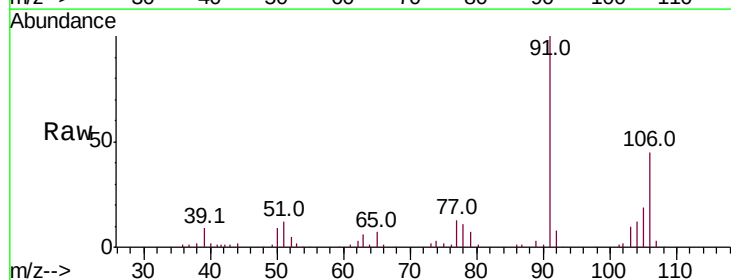


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

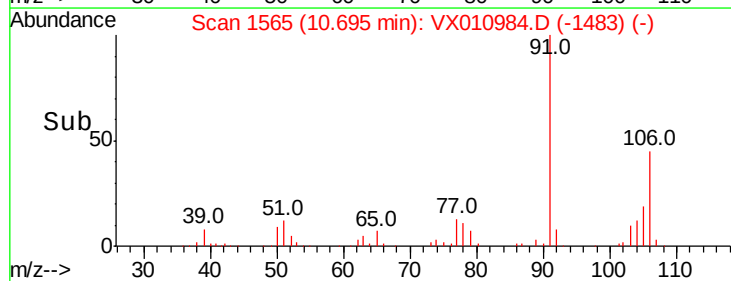
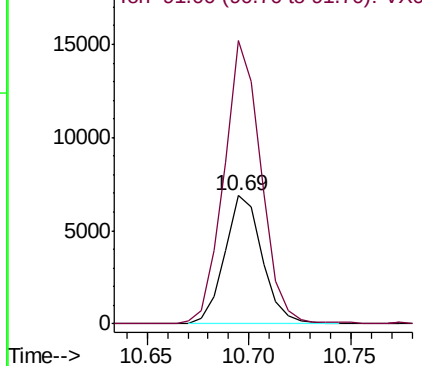


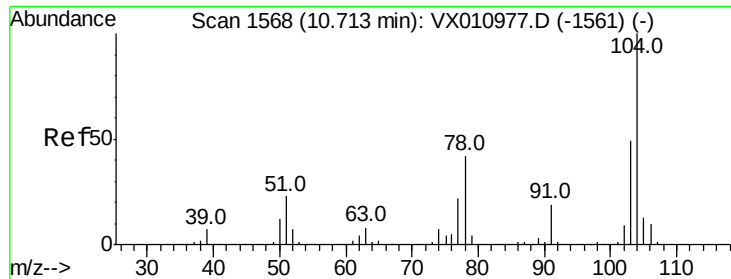
#68
o-Xylene
Concen: 2.306 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion:106 Resp: 8824
Ion Ratio Lower Upper
106 100
91 216.0 104.0 312.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





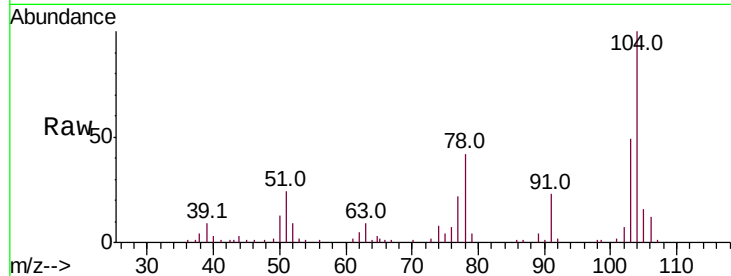
#69
Stvrene
Concen: 2.133 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

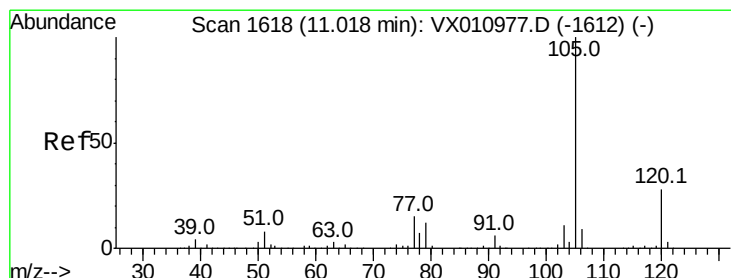
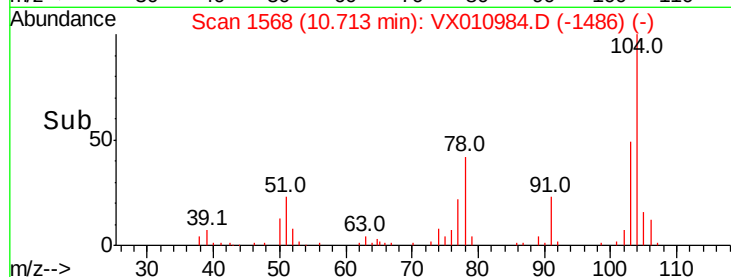
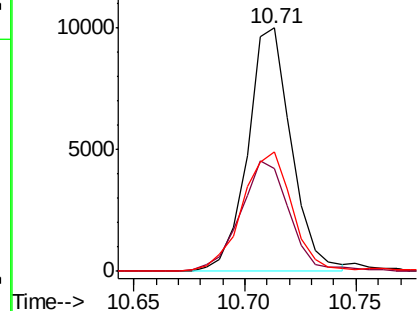
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	38.5	57.7
103	55.9	44.6	67.0

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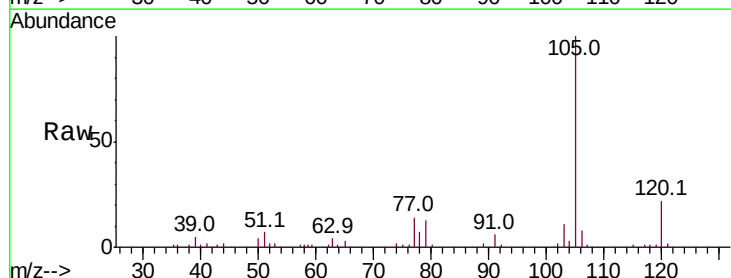


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX
Ion 103.00 (102.70 to 103.70): V

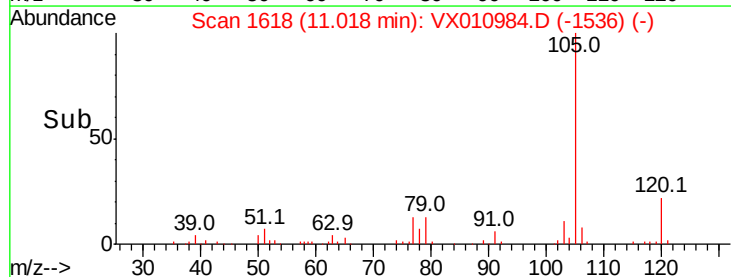
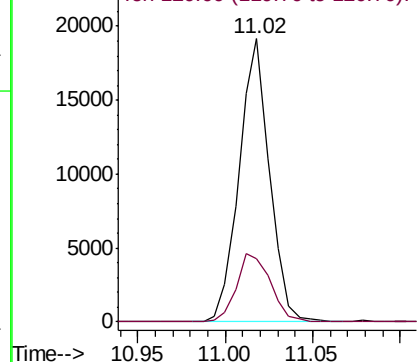


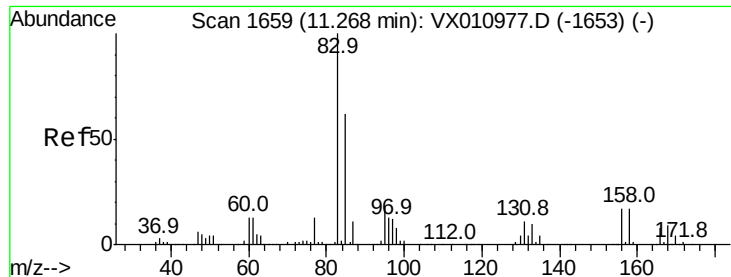
#70
Isopropylbenzene
Concen: 2.265 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.4	36.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 2.439 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

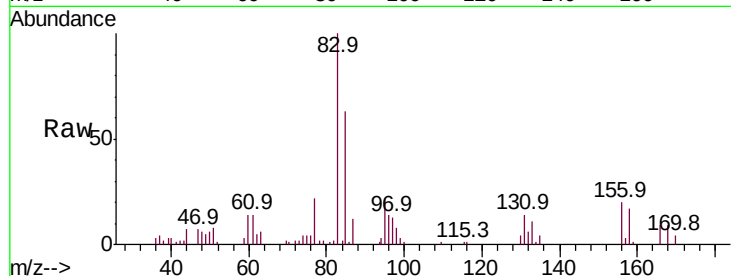
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

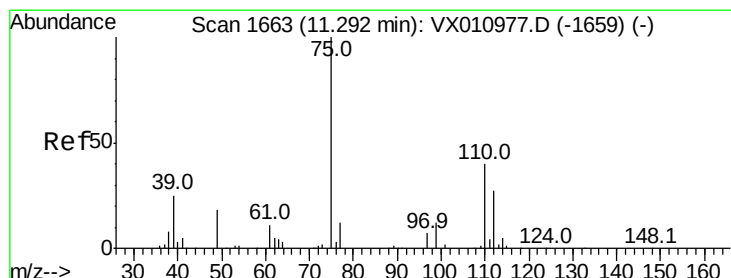
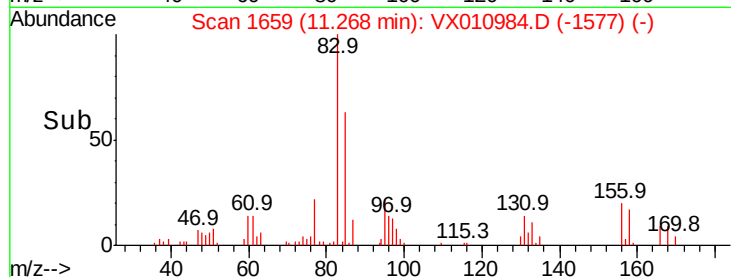
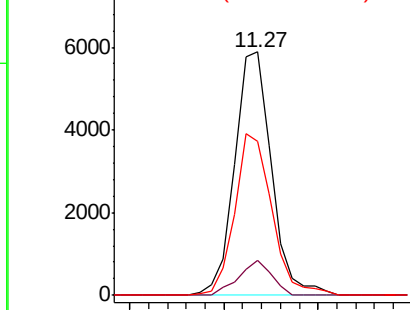
Tot Ion:	83	Resp:	8014
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.5	16.4
85	66.6	32.1	96.3

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 2.519 ug/l m

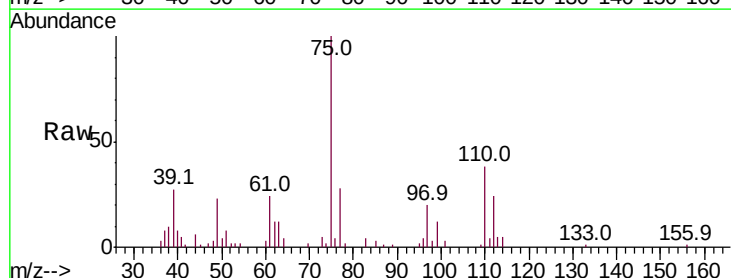
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

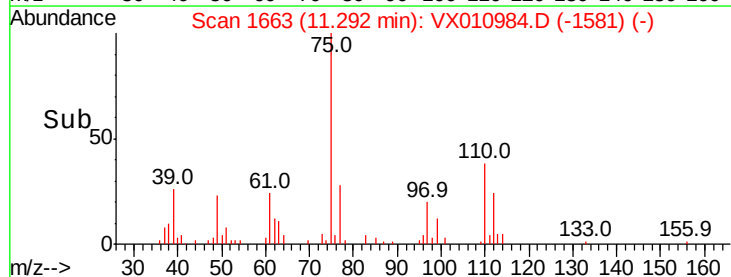
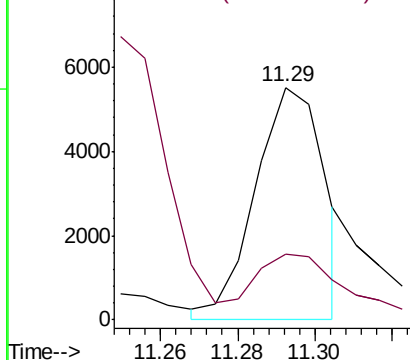
Lab File: VX010984.D

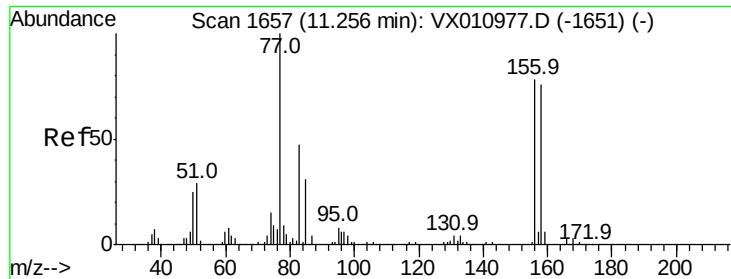
Acq: 19 Jul 2019 01:51

Tgt Ion:	75	Resp:	6909
Ion	Ratio	Lower	Upper
75	100		
77	38.6	0.0	84.0



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 2.383 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

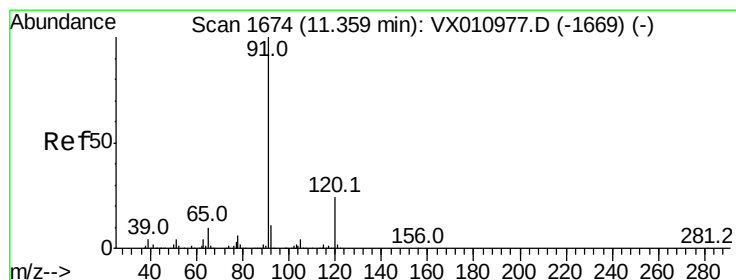
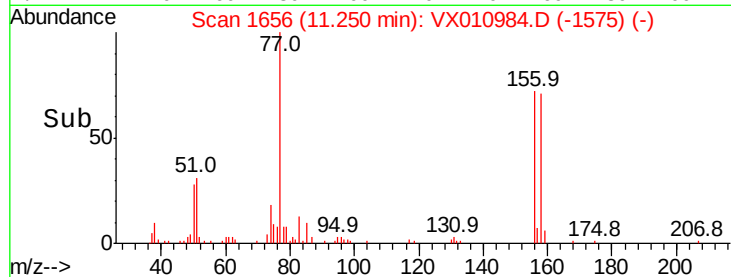
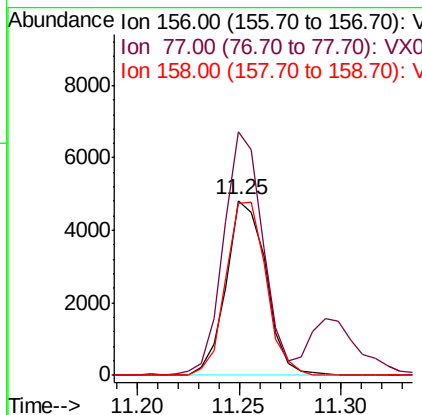
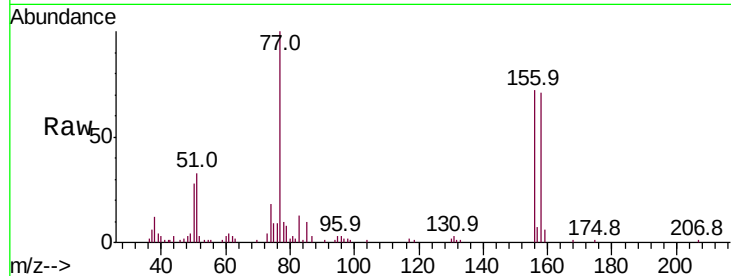
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	156	Resp:	6550
Ion	Ratio	Lower	Upper
156	100		
77	136.8	0.0	275.8
158	98.8	0.0	195.2

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#74

n-propylbenzene

Concen: 2.154 ug/l

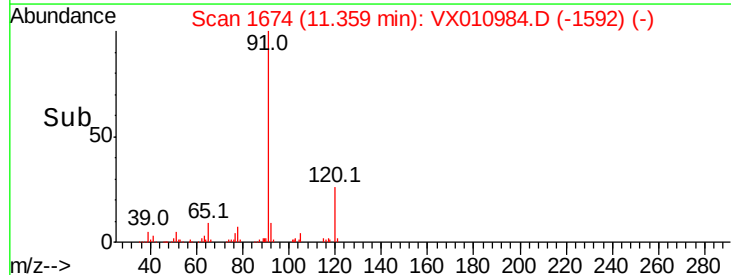
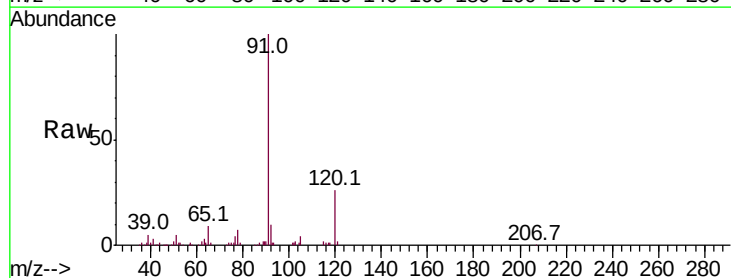
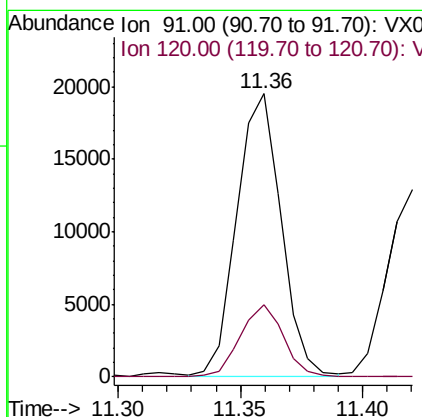
RT: 11.36 min Scan# 1674

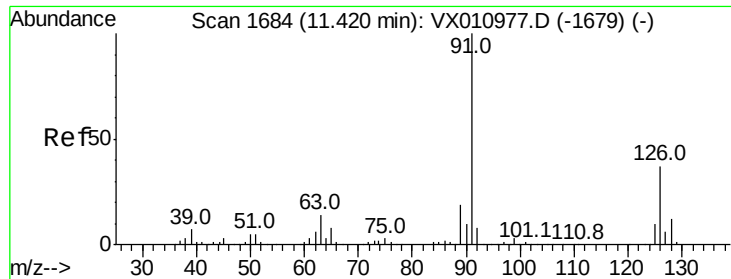
Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	91	Resp:	24705
Ion	Ratio	Lower	Upper
91	100		
120	24.7	0.0	47.6





#75

2-Chlorotoluene

Concen: 2.369 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion: 91 Resp: 16177

Ion Ratio Lower Upper

91 100

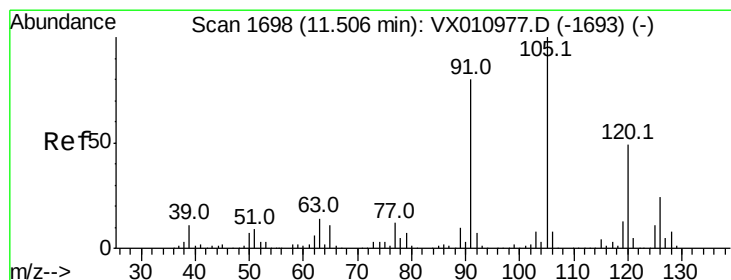
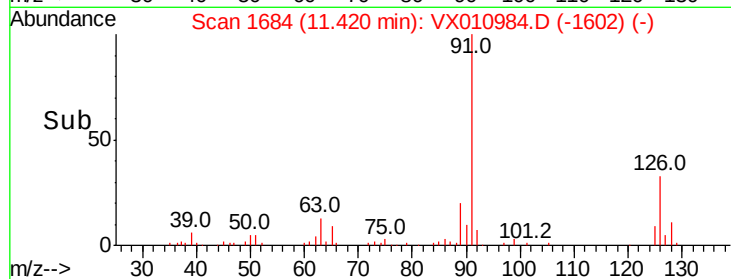
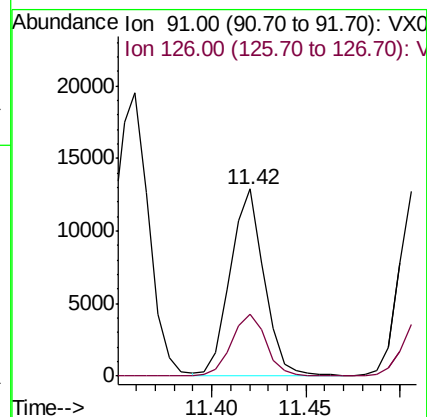
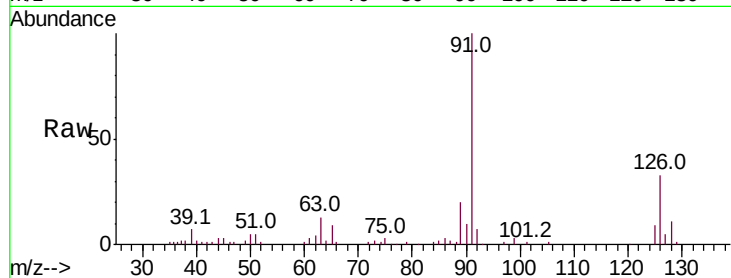
126 33.4 0.0 72.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 2.122 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010984.D

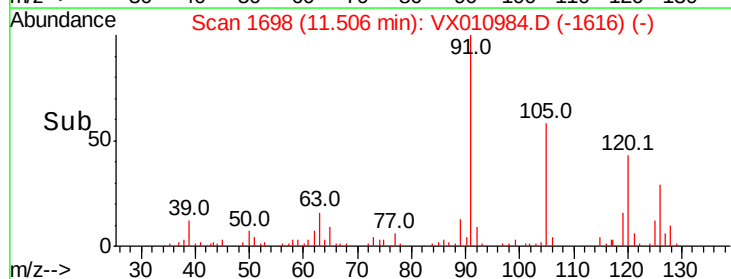
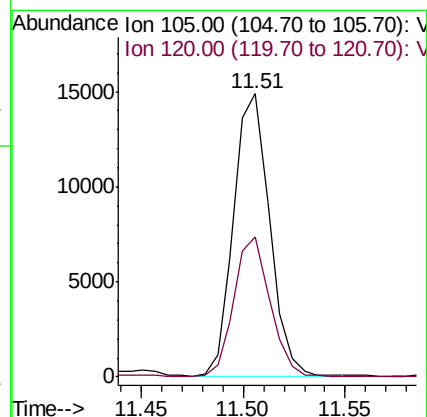
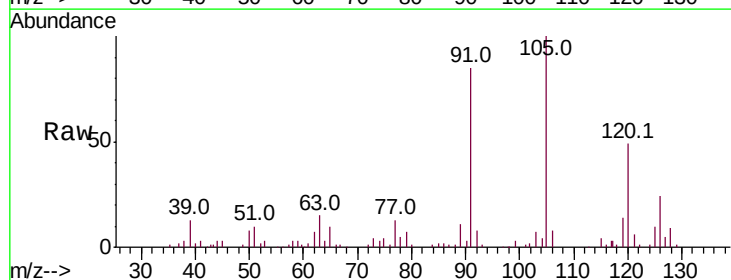
Acq: 19 Jul 2019 01:51

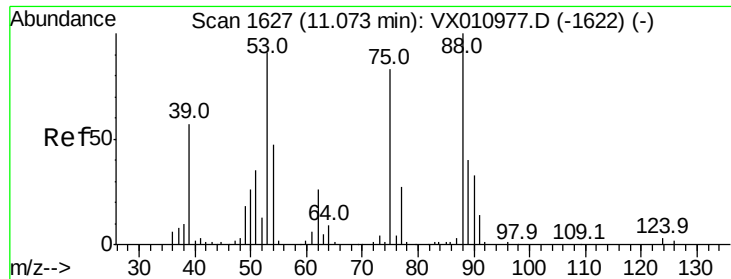
Tgt Ion: 105 Resp: 18301

Ion Ratio Lower Upper

105 100

120 49.6 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 1.709 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

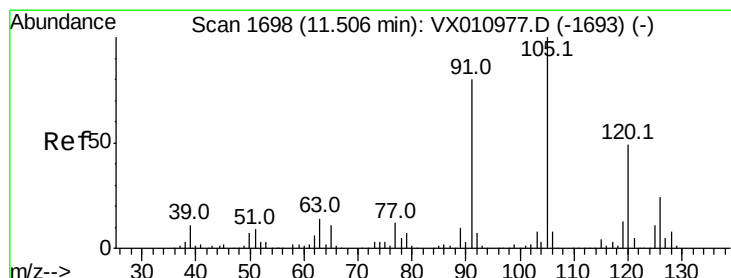
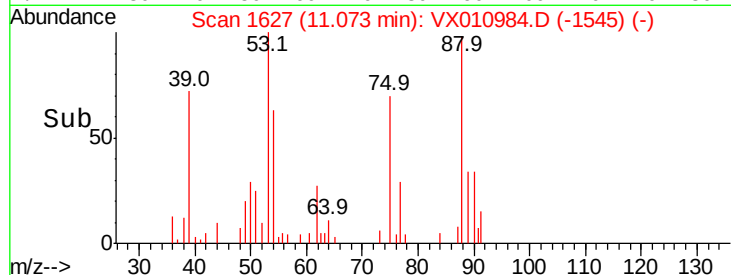
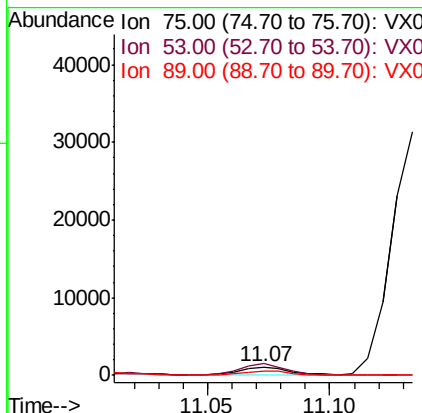
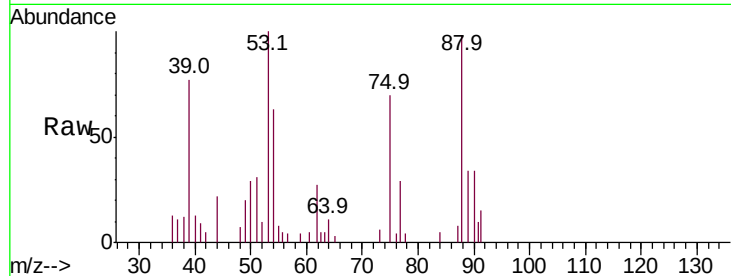
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	75	Resp:	1546
Ion	Ratio	Lower	Upper
75	100		
53	143.6	54.8	164.3
89	48.2	24.6	73.6

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#78

4-Chlorotoluene

Concen: 2.235 ug/l

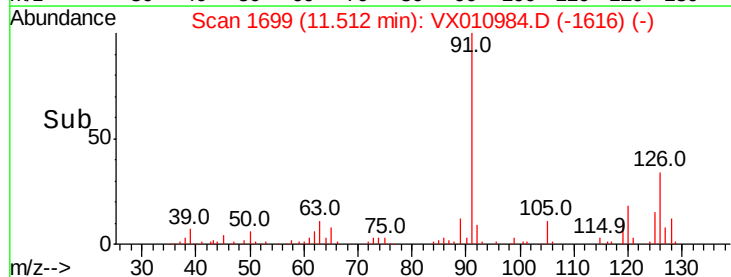
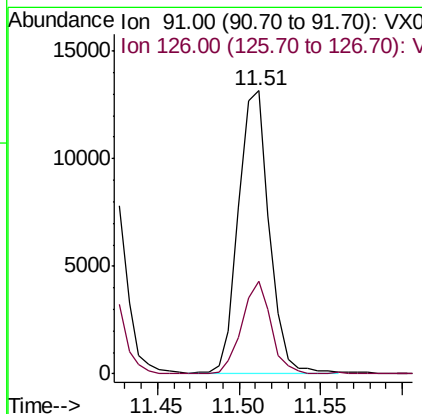
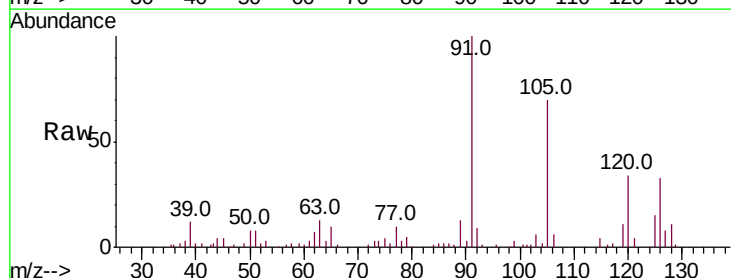
RT: 11.51 min Scan# 1699

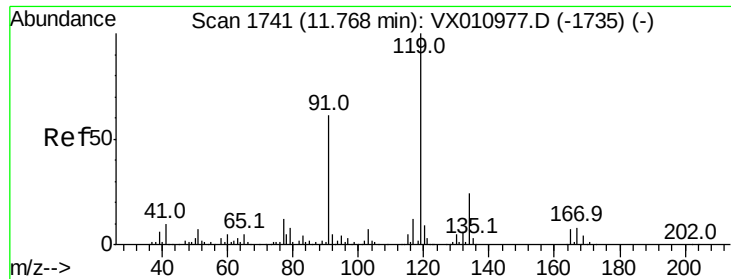
Delta R.T. 0.01 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	91	Resp:	17534
Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	63.6





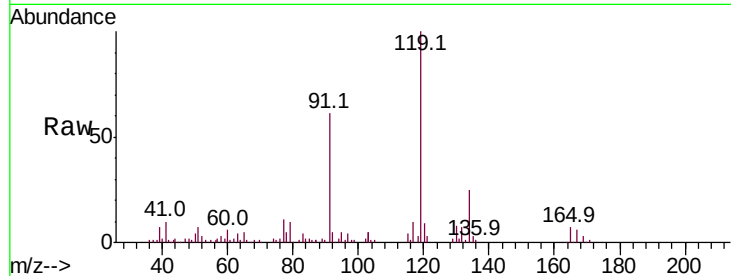
#79
tert-butylbenzene
Concen: 2.179 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	18225		
91	58.5	0.0	118.4	
134	23.5	0.0	47.4	

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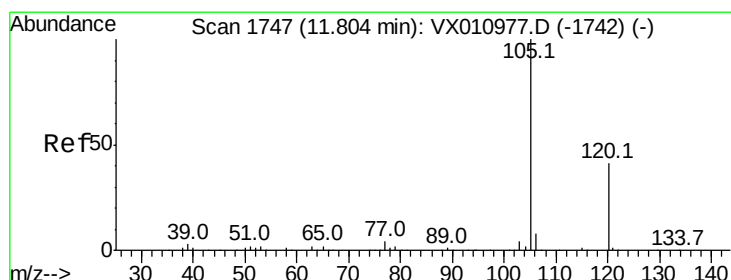
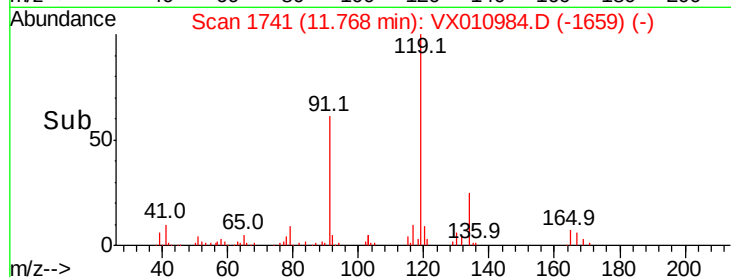
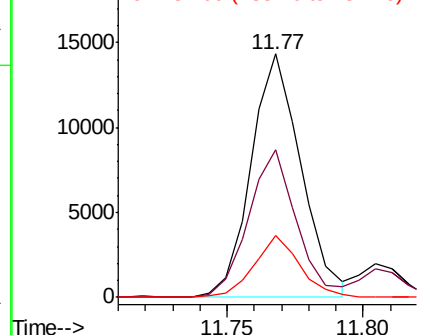


Abundance

Ion 119.00 (118.70 to 119.70): V

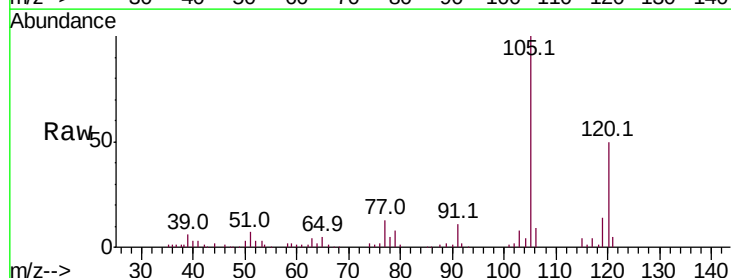
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80
1,2,4-Trimethylbenzene
Concen: 2.176 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

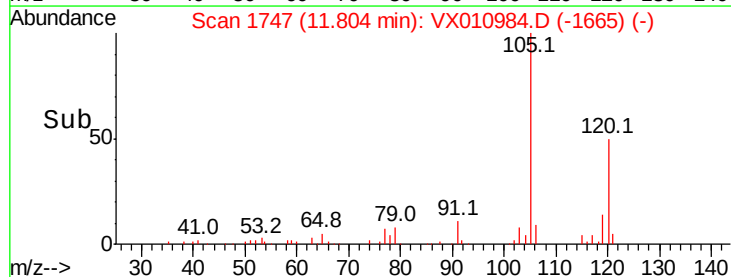
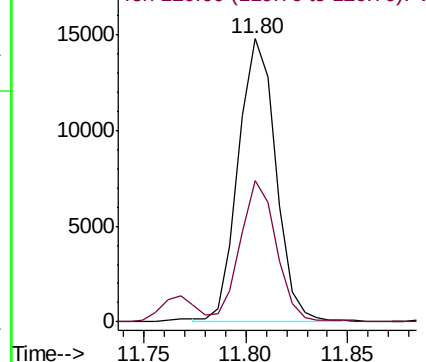
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	18902		
120	47.1	0.0	91.6	

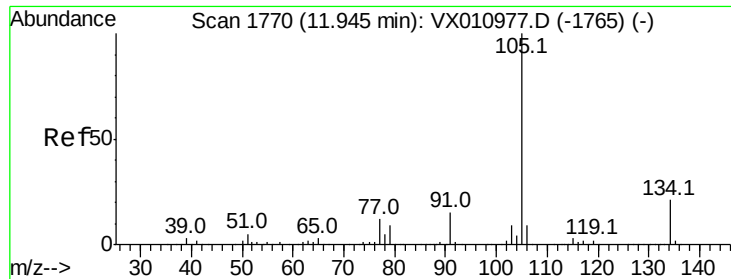


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





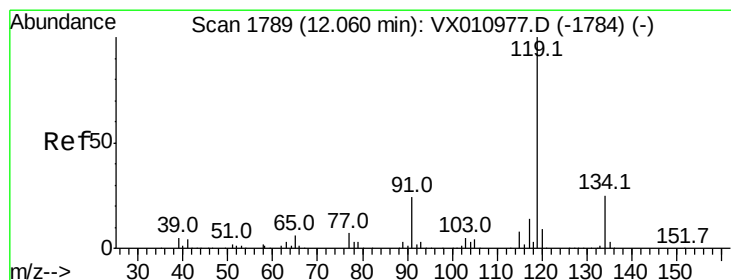
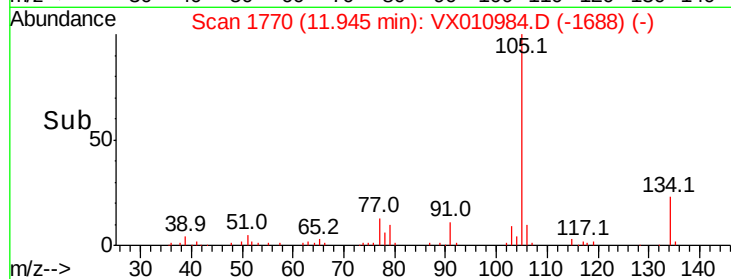
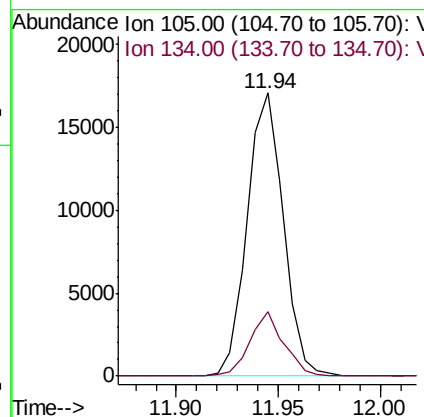
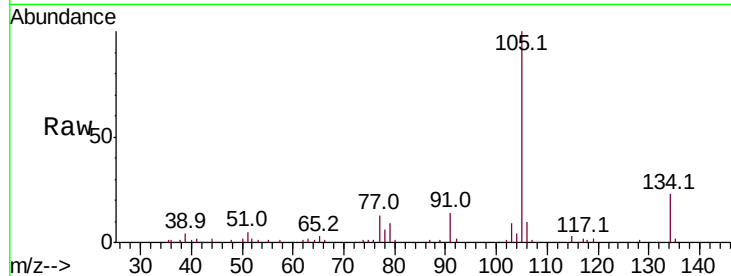
#81
 sec-Butylbenzene
 Concen: 2.133 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Resp	Lower	Upper
105	100	21028		
134	21.2	0.0	41.8	

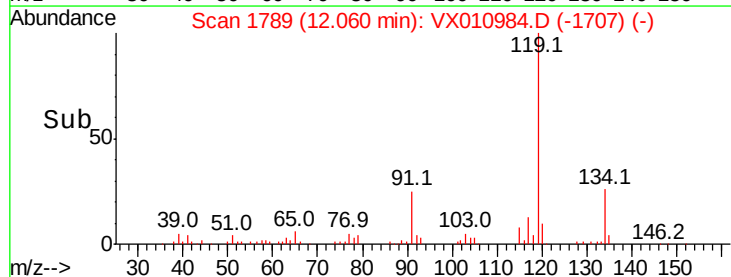
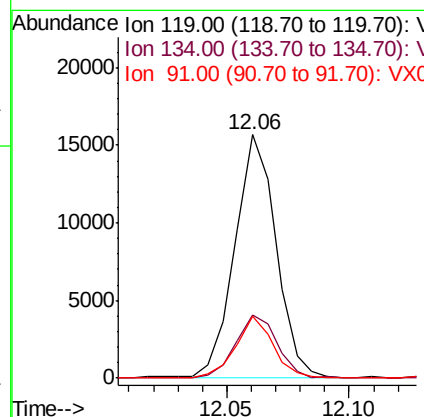
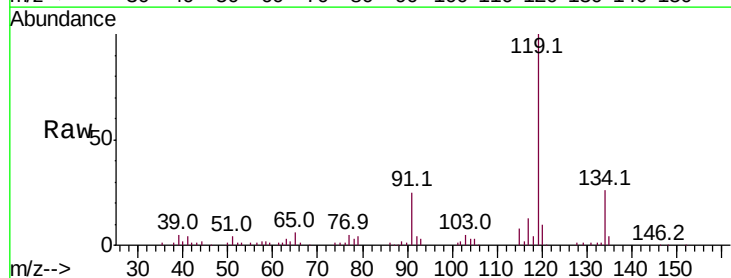
Manual Integrations
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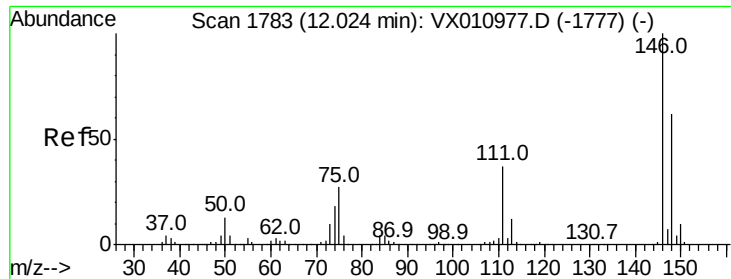
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 2.007 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	18364		
134	26.2	0.0	52.8	
91	22.7	0.0	47.0	





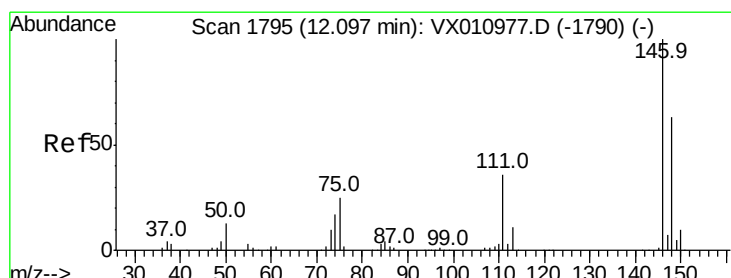
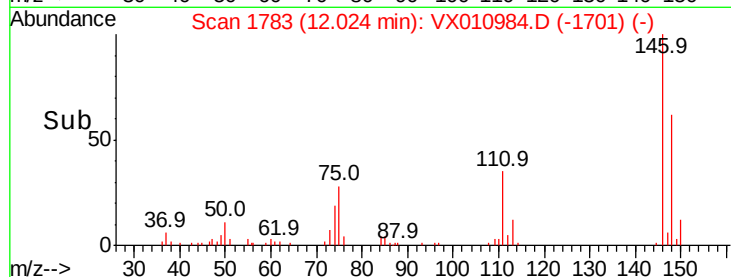
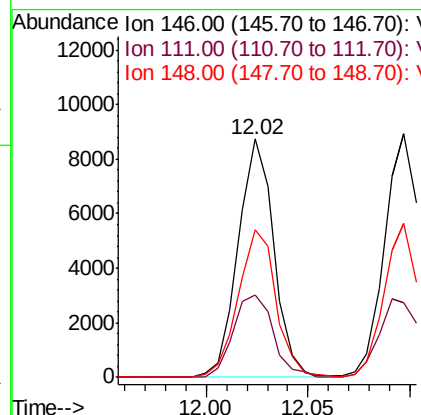
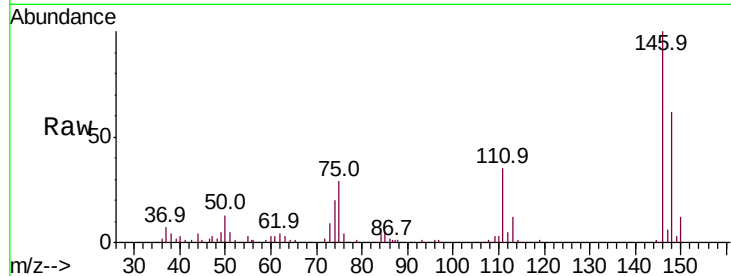
#83
 1,3-Dichlorobenzene
 Concen: 2.188 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	65.2	31.4	94.0

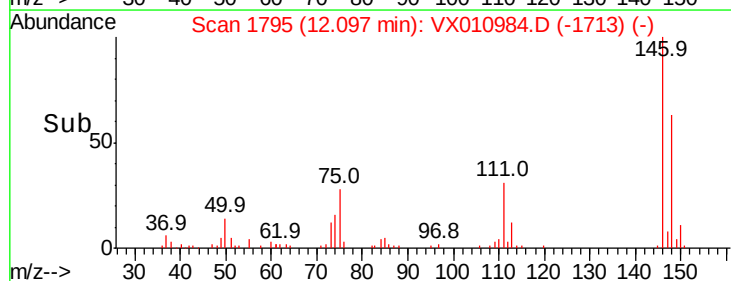
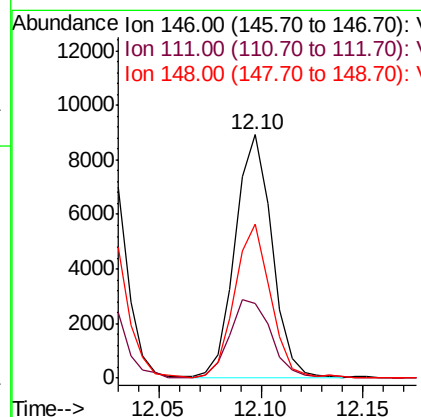
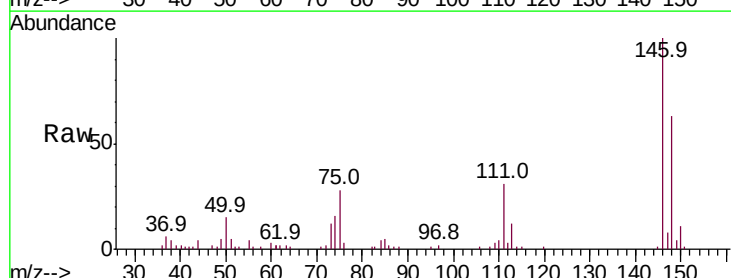
Manual Integrations
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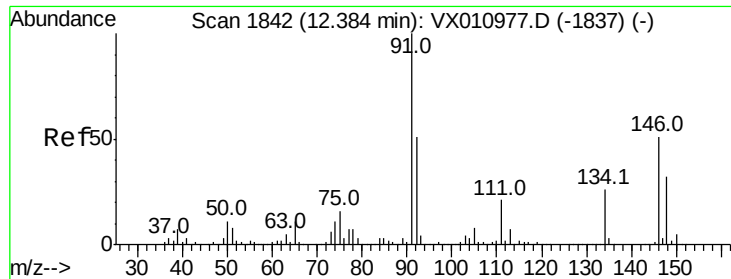
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 2.324 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.5	55.5
148	61.1	32.0	96.0





#85

n-Butylbenzene

Concen: 1.849 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

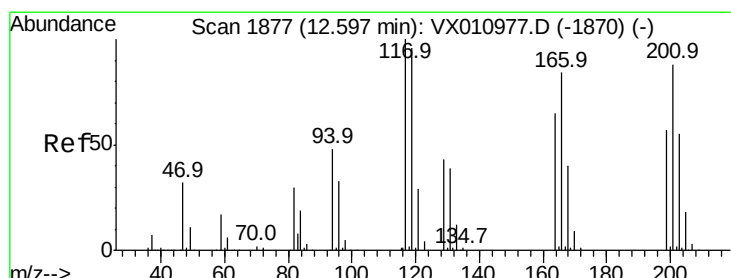
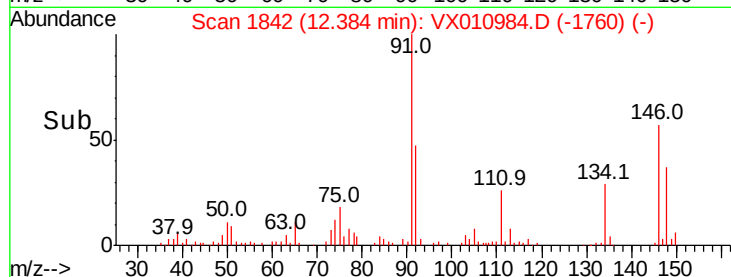
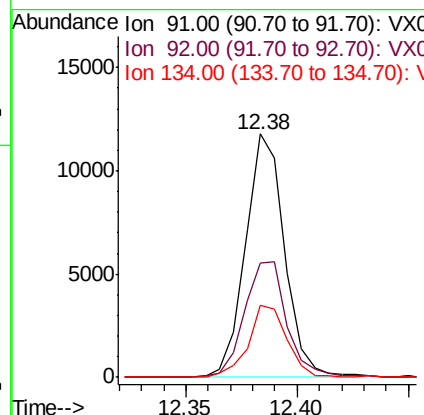
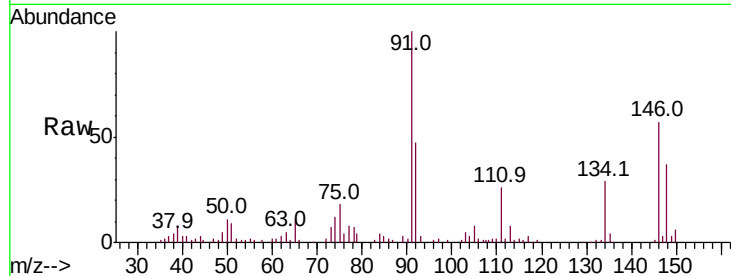
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:	91	Resp:	14407
Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	103.6
134	29.3	0.0	54.2

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#86

Hexachloroethane

Concen: 1.725 ug/l

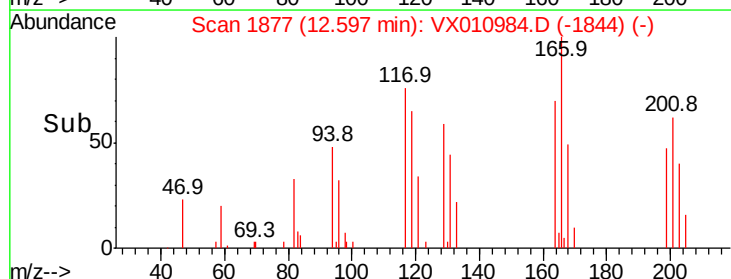
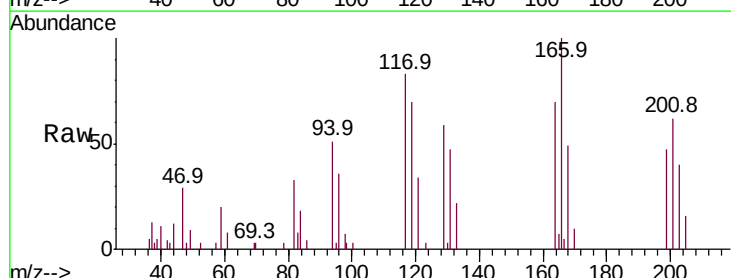
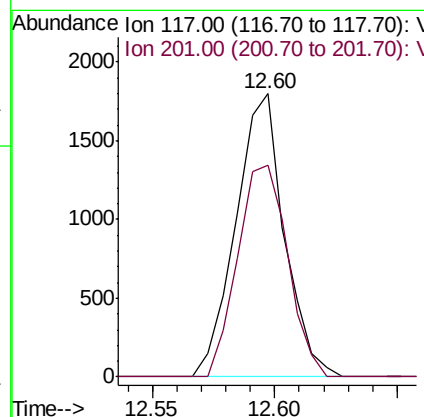
RT: 12.60 min Scan# 1877

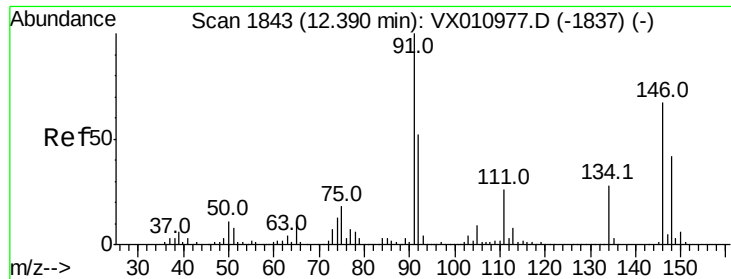
Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:	117	Resp:	2489
Ion	Ratio	Lower	Upper
117	100		
201	76.9	42.1	126.3





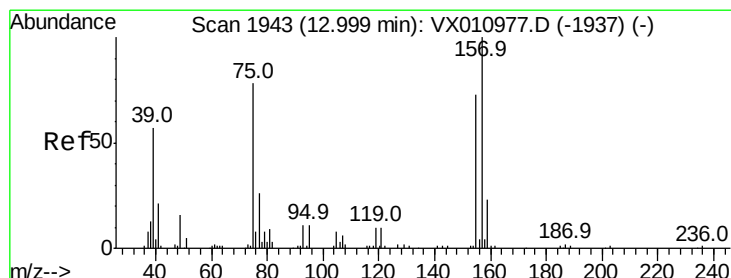
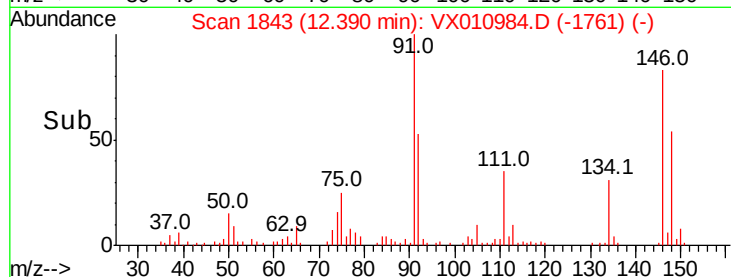
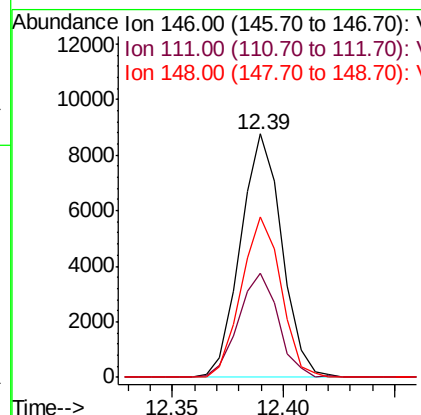
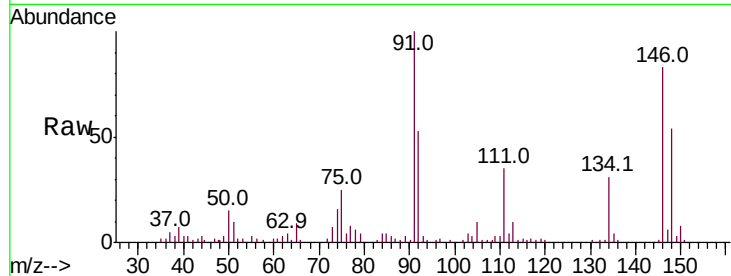
#87
 1,2-Dichlorobenzene
 Concen: 2.385 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.5	58.5
148	63.2	31.5	94.5

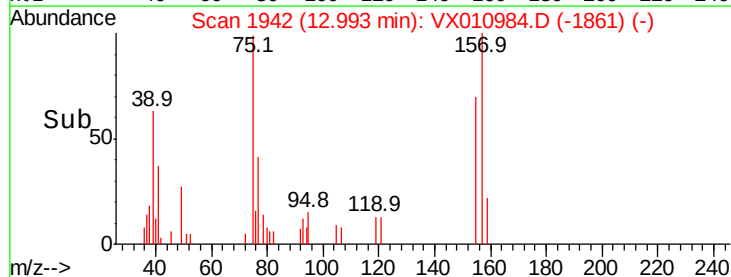
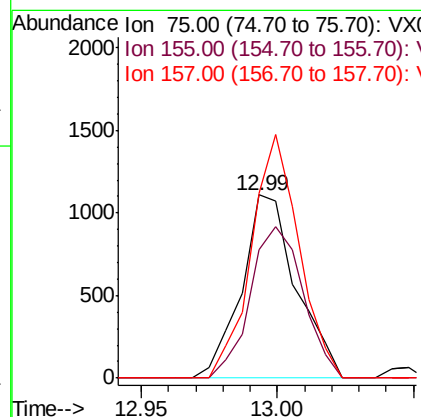
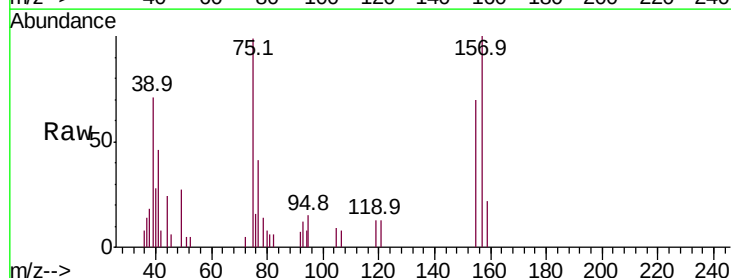
Manual Integrations
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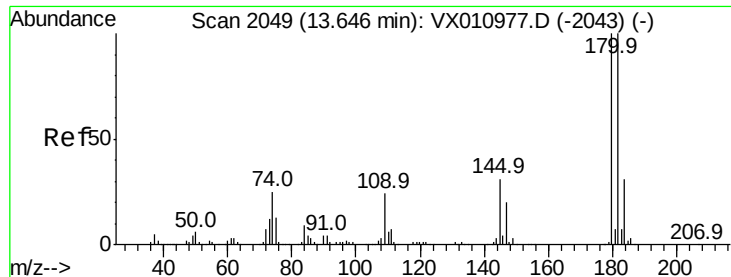
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.144 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX010984.D
 Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	76.6	115.0
157	115.3	101.0	151.4





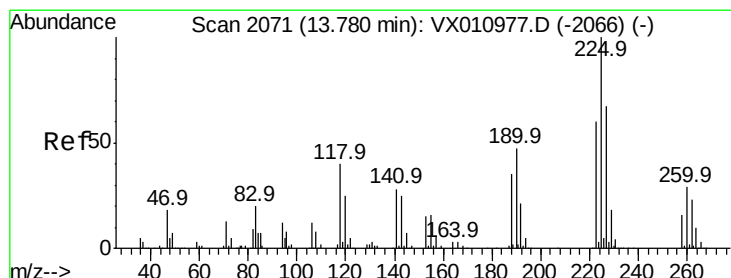
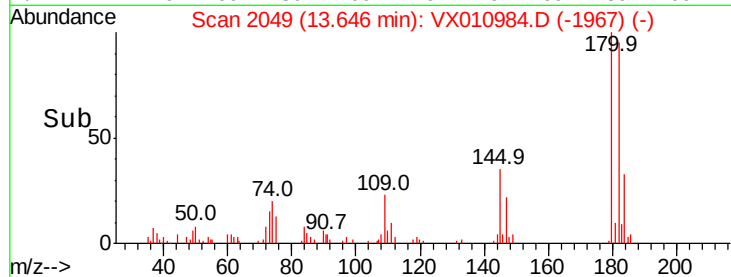
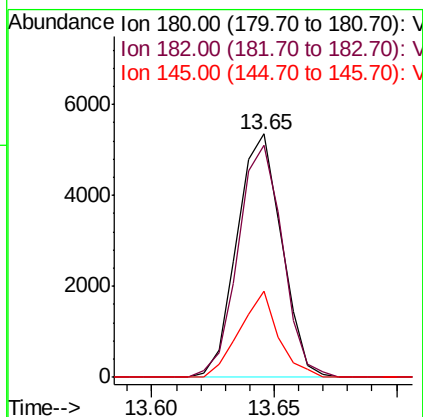
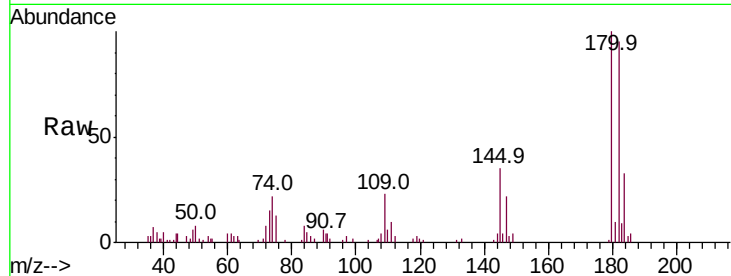
#89
1,2,4-Trichlorobenzene
Concen: 2.086 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

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

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6836		
182	94.5		77.6	116.4
145	30.6		23.8	35.6

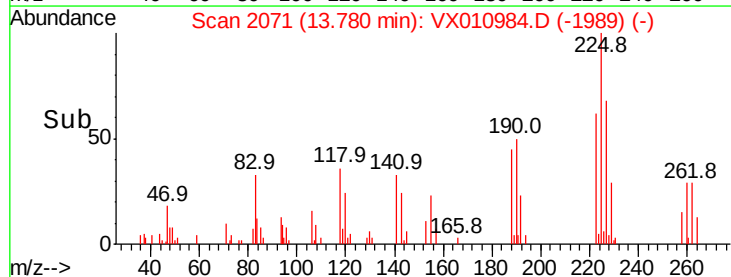
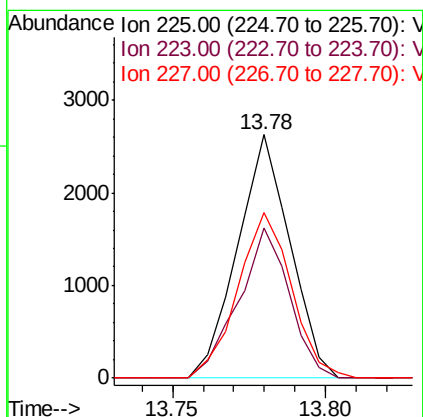
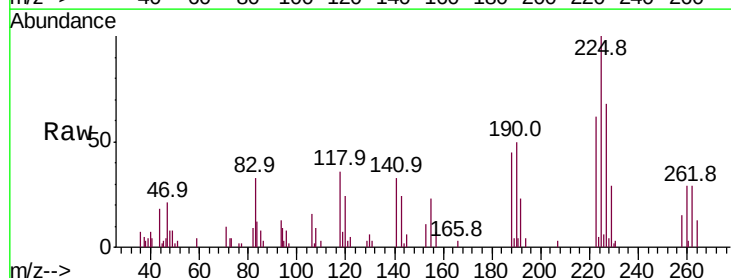
Manual Integrations
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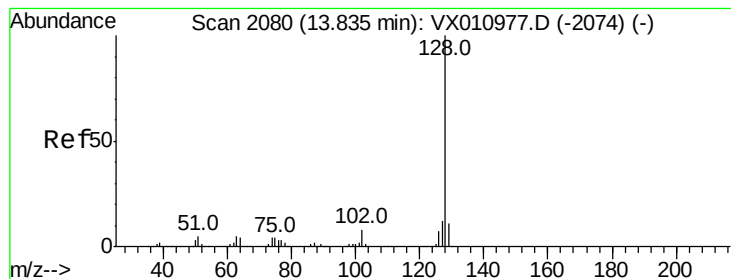
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#90
Hexachlorobutadiene
Concen: 1.973 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX010984.D
Acq: 19 Jul 2019 01:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	3126		
223	59.8		0.0	121.4
227	69.6		0.0	126.6





#91

Naphthalene

Concen: 2.041 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Instrument :

MSVOA_X

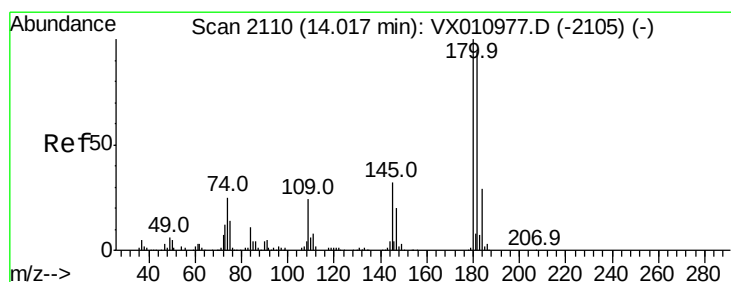
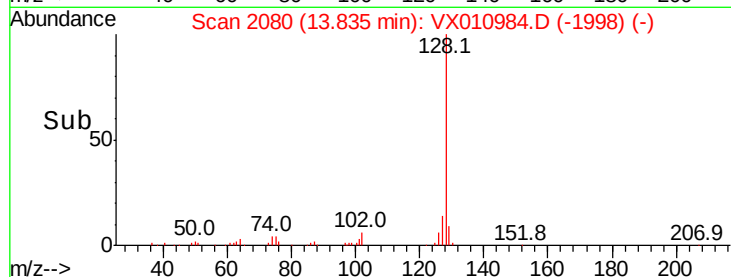
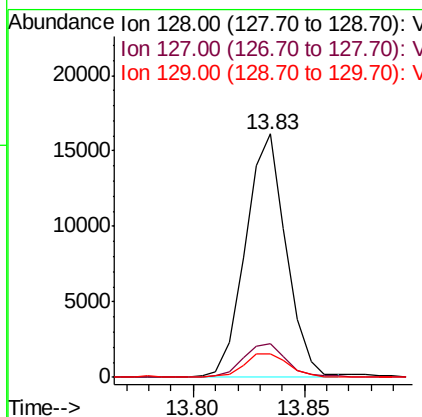
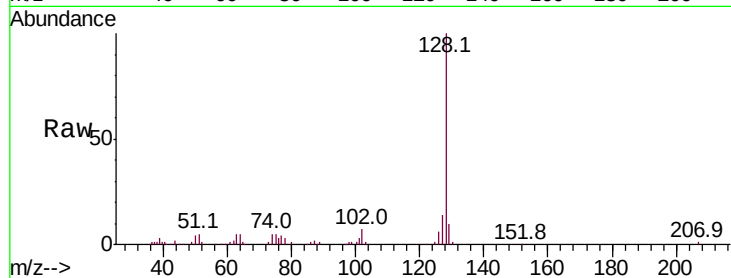
ClientSampleId :

LOD-MDL-WATER-01-QT3-2019 DL

Tot Ion:128	Resp:	20409
Ion Ratio	Lower	Upper
128 100		
127 14.9	10.2	15.2
129 10.7	8.5	12.7

Manual Integrations
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7/19/2019 3:13:05 PM



#92

1,2,3-Trichlorobenzene

Concen: 2.257 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010984.D

Acq: 19 Jul 2019 01:51

Tgt Ion:180	Resp:	7415
Ion Ratio	Lower	Upper
180 100		
182 93.6	0.0	190.2
145 34.0	0.0	63.8

