

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX032919\
 Data File : VX008545.D
 Acq On : 29 Mar 2019 15:49
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:43 AM

Quant Time: Mar 30 00:49:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	196271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	145829	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	5.50	113	105916	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	8.71	98	424227	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.13	95	152584	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1561	0.675	ug/l	92
4) Vinyl Chloride	1.40	62	1938	0.600	ug/l #	84
5) Bromomethane	1.64	94	1225	2.504	ug/l	91
6) Chloroethane	1.72	64	992	0.518	ug/l	96
7) Trichlorofluoromethane	1.93	101	2593	0.709	ug/l	93
8) Diethyl Ether	2.19	74	1357	0.784	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1632	0.738	ug/l	96
10) Methyl Iodide	2.51	142	665	4.413	ug/l #	88
11) Tert butyl alcohol	3.04	59	2630	3.989	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	1669	0.731	ug/l	84
13) Acrolein	2.29	56	235	0.491	ug/l #	14
14) Allyl chloride	2.73	41	4107	0.816	ug/l	92
15) Acrylonitrile	3.14	53	6318	3.655	ug/l	97
16) Acetone	2.44	43	6471	4.161	ug/l	95
17) Carbon Disulfide	2.57	76	5294	0.428	ug/l	100
18) Methyl Acetate	2.78	43	2839	0.760	ug/l #	90
19) Methyl tert-butyl Ether	3.20	73	5960	0.724	ug/l	98
20) Methylene Chloride	2.85	84	2740	0.445	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	1908	0.571	ug/l	99
22) Diisopropyl ether	3.85	45	7189	0.726	ug/l #	65
23) Vinyl Acetate	3.82	43	27734	3.209	ug/l	100
24) 1,1-Dichloroethane	3.70	63	3573	0.714	ug/l	98
25) 2-Butanone	4.68	43	9533	3.824	ug/l	94
26) 2,2-Dichloropropane	4.59	77	2476	0.744	ug/l	87
27) cis-1,2-Dichloroethene	4.60	96	2933	1.050	ug/l	88
28) Bromochloromethane	5.01	49	2153	0.871	ug/l #	89
29) Tetrahydrofuran	5.14	42	5941	3.615	ug/l #	90
30) Chloroform	5.21	83	3444	0.763	ug/l	84
31) Cyclohexane	5.58	56	3378	0.708	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	2545	0.705	ug/l #	47
36) 1,1-Dichloropropene	5.79	75	2701	0.761	ug/l	95
37) Ethyl Acetate	4.84	43	3587	0.780	ug/l #	91
38) Carbon Tetrachloride	5.78	117	2317	0.782	ug/l	92
39) Methylcyclohexane	7.46	83	3082	0.727	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	8013	0.754	ug/l	91
41) Methacrylonitrile	5.04	41	1724	0.667	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	3348	0.861	ug/l	95
43) Isopropyl Acetate	6.45	43	5325	0.724	ug/l	99
44) Trichloroethene	7.22	130	1851	0.742	ug/l	91
45) 1,2-Dichloropropane	7.51	63	2330	0.772	ug/l	94
46) Dibromomethane	7.67	93	1340	0.760	ug/l	91
47) Bromodichloromethane	7.90	83	2129	0.631	ug/l #	91
48) Methyl methacrylate	7.77	41	2355	0.640	ug/l #	83
49) 1,4-Dioxane	7.75	88	1099	15.023	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	16337	3.421	ug/l	99
52) Toluene	8.79	92	4939	0.778	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	2405	0.651	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	2596	0.618	ug/l #	92
55) 1,1,2-Trichloroethane	9.21	97	2061	0.797	ug/l	94
56) Ethyl methacrylate	9.18	69	3269	0.700	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	3252	0.701	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	8492	3.520	ug/l	100
59) 2-Hexanone	9.49	43	12292	3.322	ug/l	99
60) Dibromochloromethane	9.58	129	1517	0.617	ug/l	92
61) 1,2-Dibromoethane	9.67	107	1816	0.688	ug/l	97
64) Tetrachloroethene	9.34	164	1583	0.797	ug/l	89
65) Chlorobenzene	10.13	112	4498	0.705	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	1475	0.670	ug/l #	63
67) Ethyl Benzene	10.25	91	8875	0.737	ug/l	98
68) m/p-Xylenes	10.36	106	6299	1.439	ug/l	97
69) o-Xylene	10.70	106	3229	0.760	ug/l	99
70) Stvrene	10.71	104	4695	0.640	ug/l	92
71) Bromoform	10.85	173	1033	0.595	ug/l #	89
73) Isopropylbenzene	11.02	105	7799	0.741	ug/l	99
74) N-amyl acetate	10.90	43	4100	0.673	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	3224	0.790	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	2406m	0.626	ug/l	
77) Bromobenzene	11.26	156	1945	0.762	ug/l	96
78) n-propylbenzene	11.36	91	8794	0.713	ug/l	97
79) 2-Chlorotoluene	11.42	91	5636	0.752	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	6893	0.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	678m	0.565	ug/l	
82) 4-Chlorotoluene	11.51	91	6213	0.718	ug/l	97
83) tert-Butylbenzene	11.77	119	6270	0.731	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	6916	0.769	ug/l	100
85) sec-Butylbenzene	11.94	105	7458	0.730	ug/l	99
86) p-Isopropyltoluene	12.06	119	6840	0.758	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	3146	0.689	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	3295m	0.716	ug/l	
89) n-Butylbenzene	12.38	91	6442	0.754	ug/l	94
90) Hexachloroethane	12.60	117	923	0.614	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	3232	0.707	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	613	0.689	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	2163	0.703	ug/l	99

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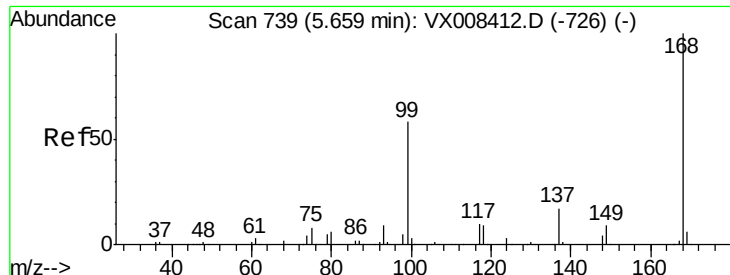
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	1003	0.687	ug/l	92
95) Naphthalene	13.83	128	8851	0.839	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2186	0.707	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

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Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:168 Resp: 196271

Ion Ratio Lower Upper

168 100

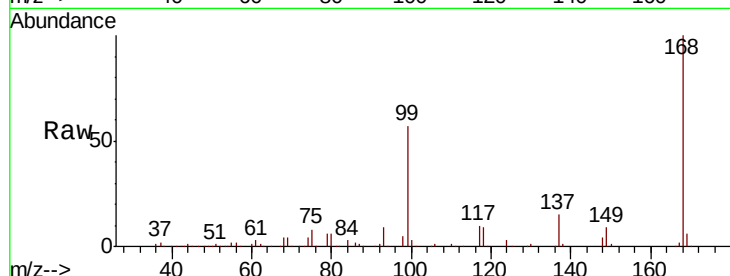
99 56.5 46.0 69.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

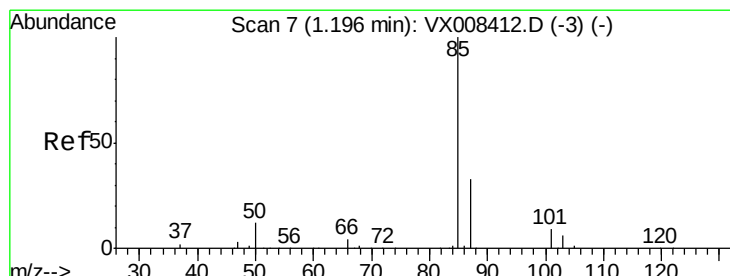
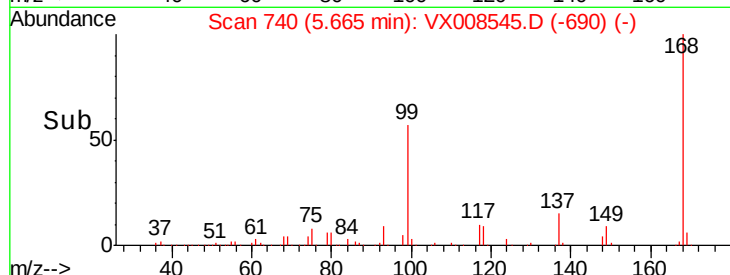
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.675 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008545.D

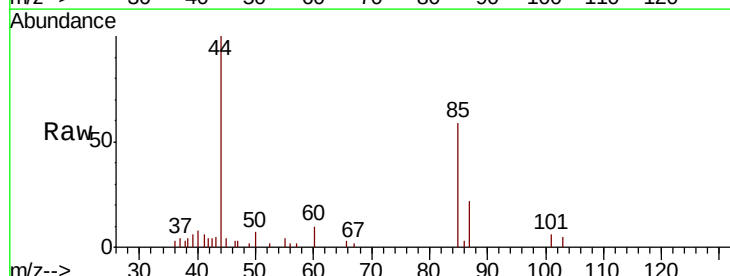
Acq: 29 Mar 2019 15:49

Tgt Ion: 85 Resp: 1561

Ion Ratio Lower Upper

85 100

87 37.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

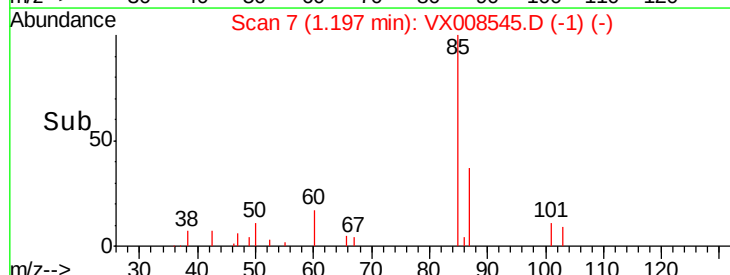
1500

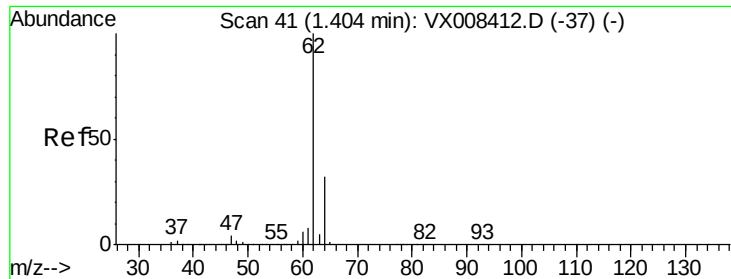
1000

500

0

Time--> 1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 0.600 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 62 Resp: 1938

Ion Ratio Lower Upper

62 100

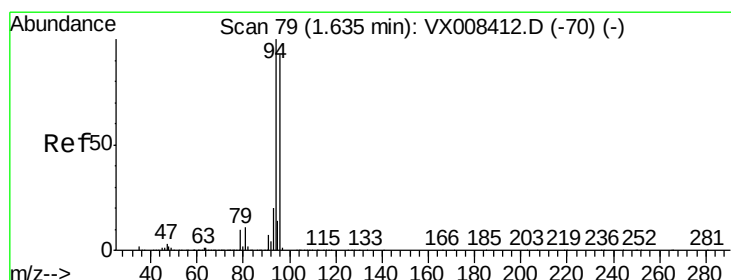
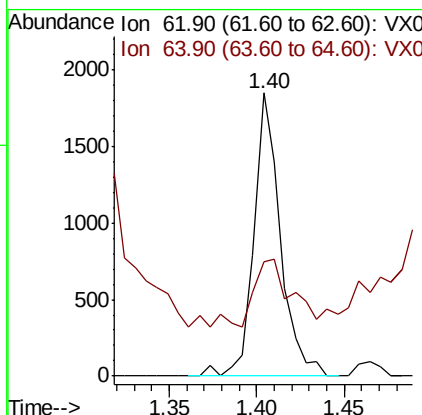
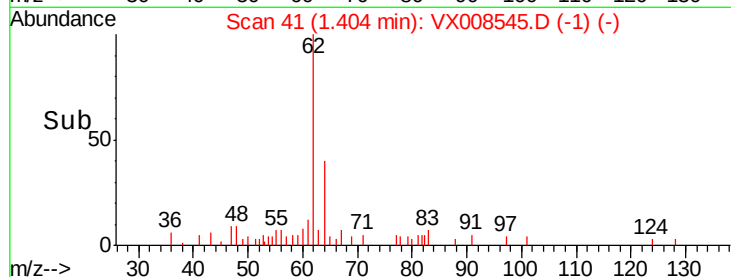
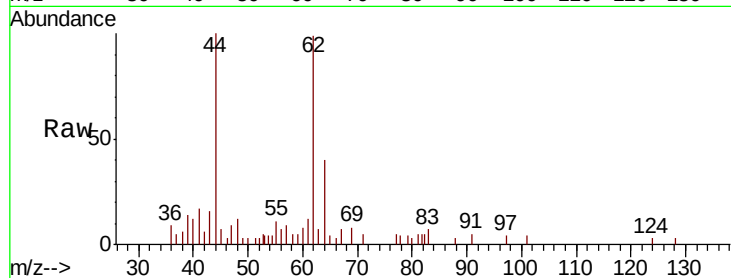
64 22.9 25.5 38.3#

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#5

Bromomethane

Concen: 2.504 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008545.D

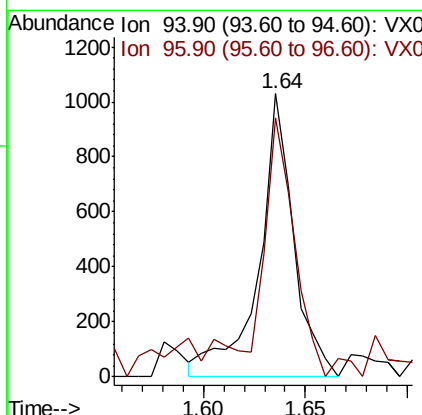
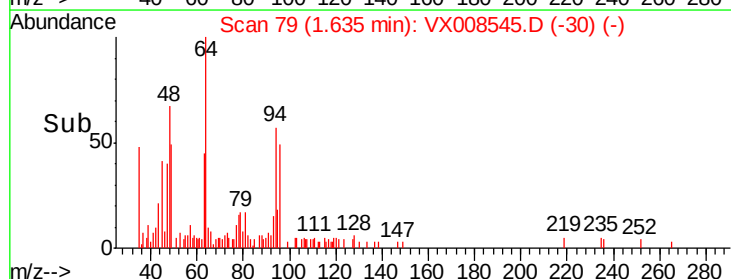
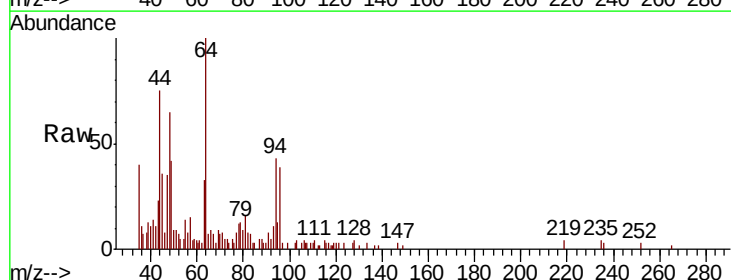
Acq: 29 Mar 2019 15:49

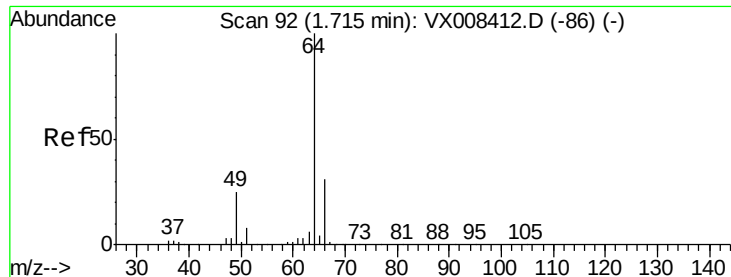
Tgt Ion: 94 Resp: 1225

Ion Ratio Lower Upper

94 100

96 85.2 74.8 112.2





#6

Chloroethane

Concen: 0.518 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

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ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 64 Resp: 992

Ion Ratio Lower Upper

64 100

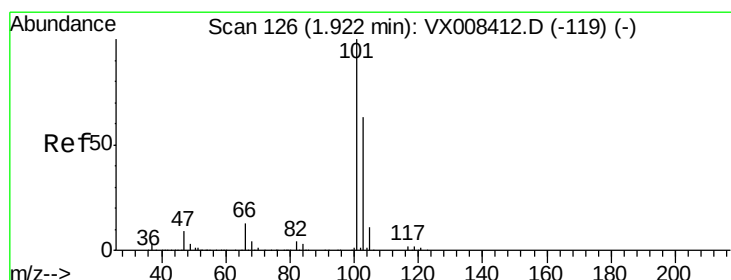
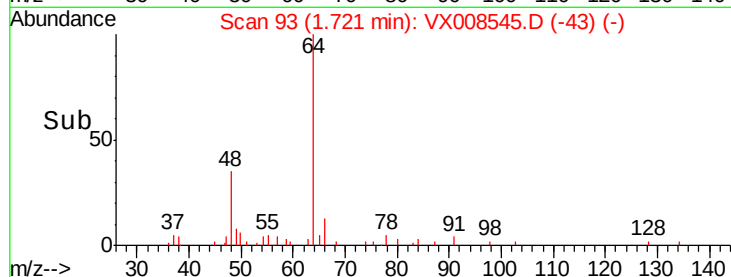
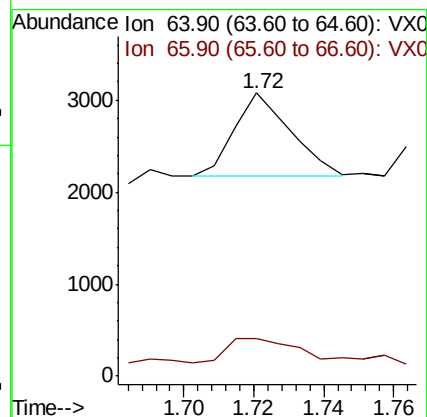
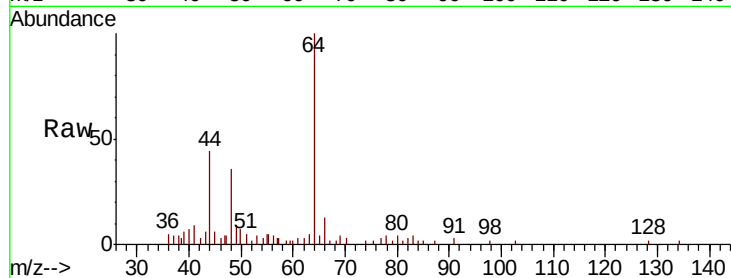
66 29.1 25.1 37.7

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 0.709 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX008545.D

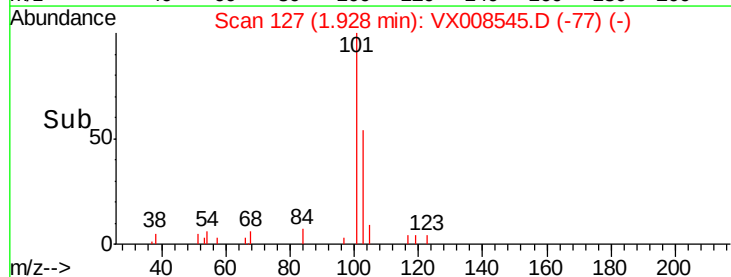
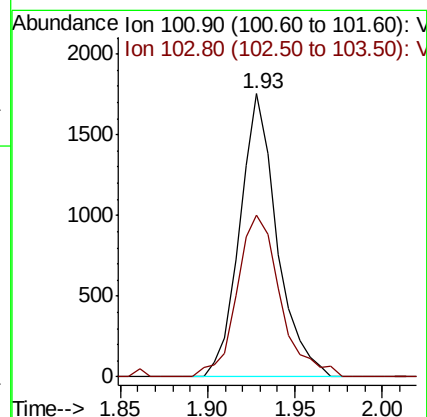
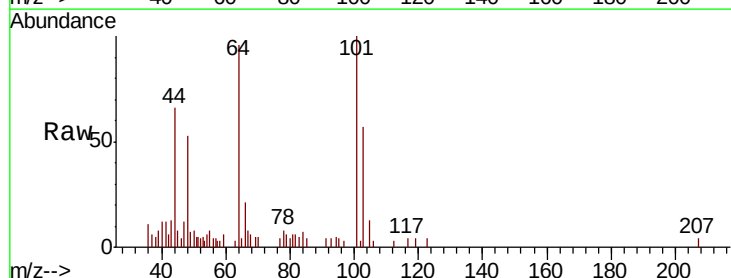
Acq: 29 Mar 2019 15:49

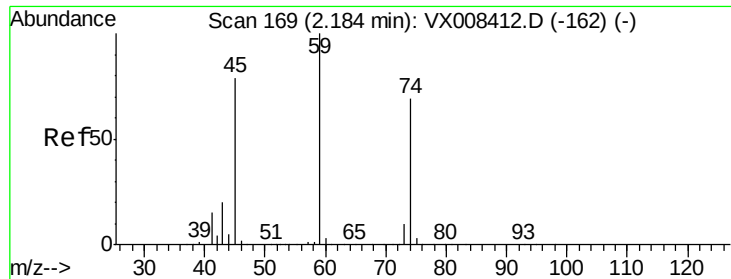
Tgt Ion: 101 Resp: 2593

Ion Ratio Lower Upper

101 100

103 57.2 50.2 75.4





#8

Diethyl Ether

Concen: 0.784 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX008545.D

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LOD-MDL-WATER-01-QT1-2019

Tot Ion: 74 Resp: 1357

Ion Ratio Lower Upper

74 100

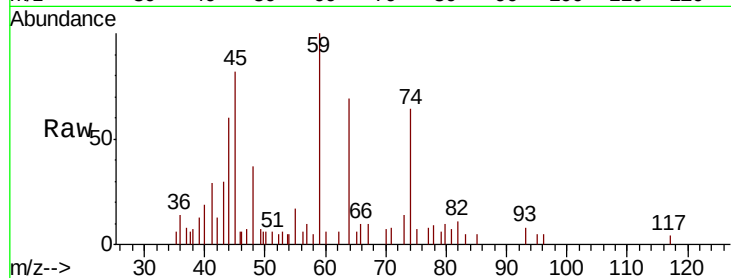
45 108.9 56.4 169.2

Manual Integrations

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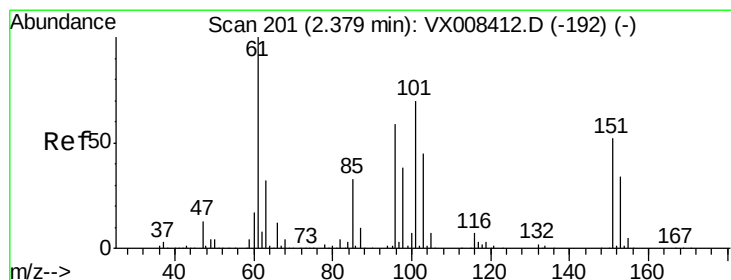
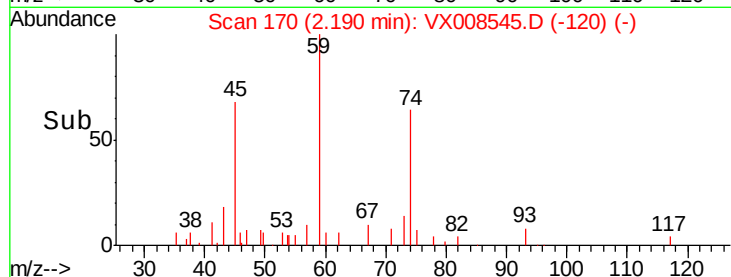
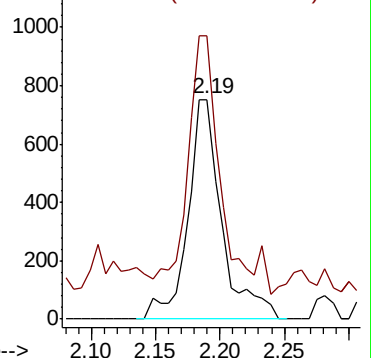
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3/30/2019 9:50:43 AM



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.738 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

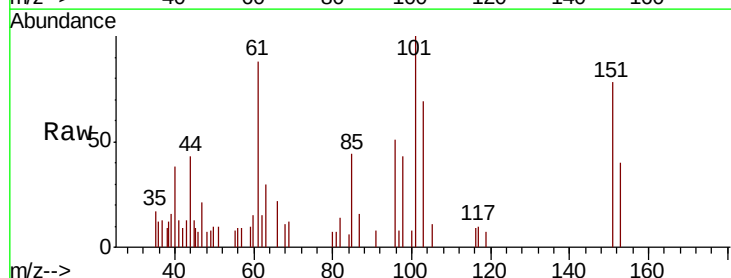
Tgt Ion: 101 Resp: 1632

Ion Ratio Lower Upper

101 100

85 51.9 36.0 54.0

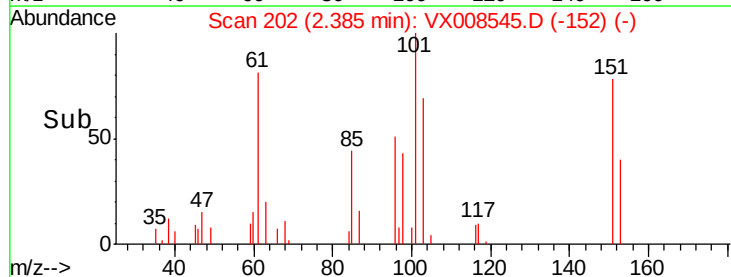
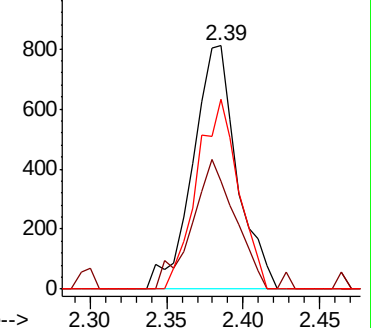
151 73.5 59.2 88.8

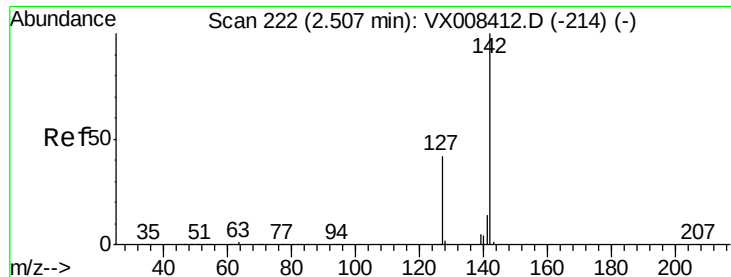


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





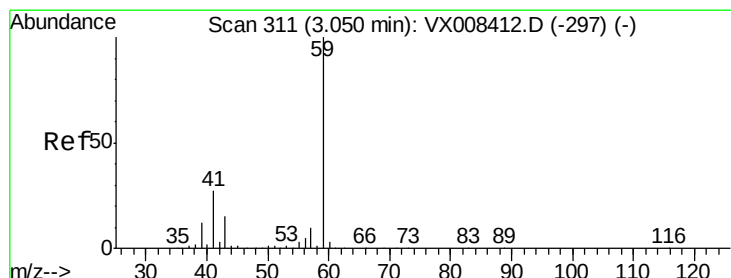
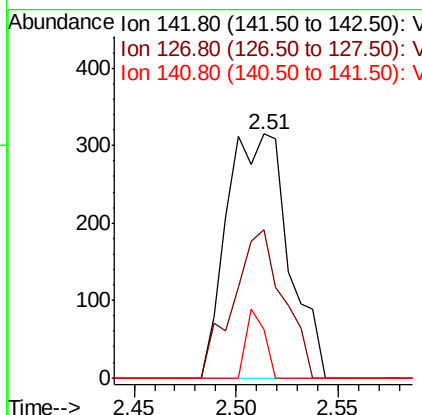
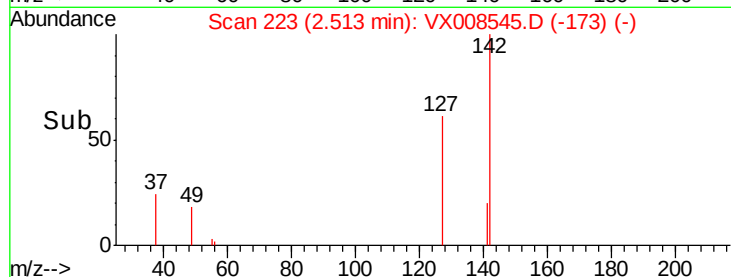
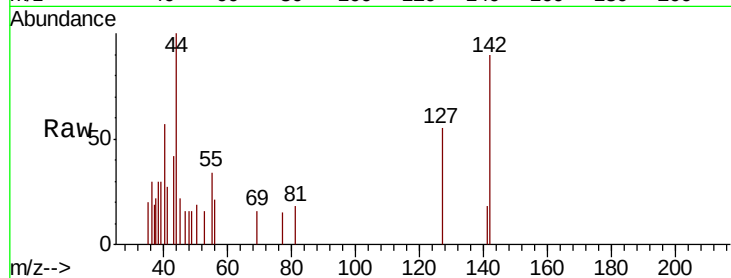
#10
Methvl Iodide
Concen: 4.413 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008545.D
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Tot Ion	Ratio	Lower	Upper
142	100		
127	48.9	33.6	50.4
141	8.3	11.3	16.9#

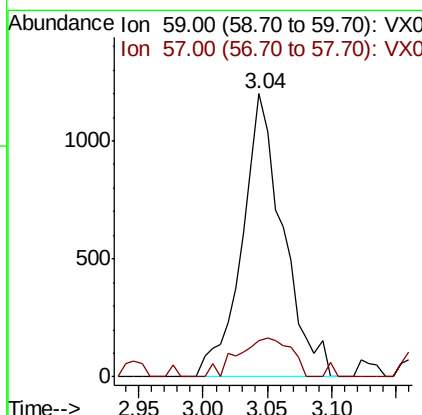
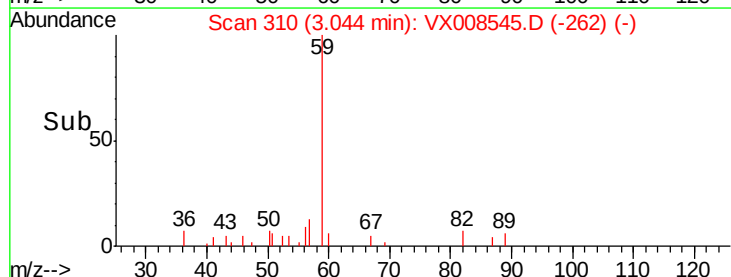
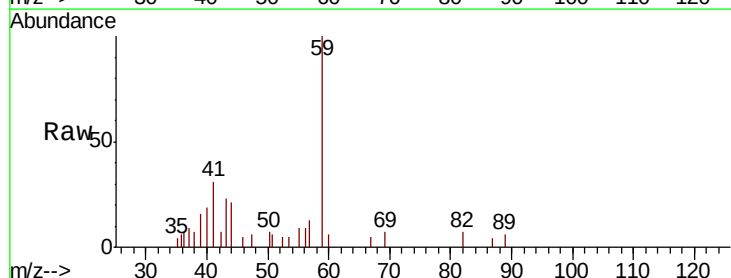
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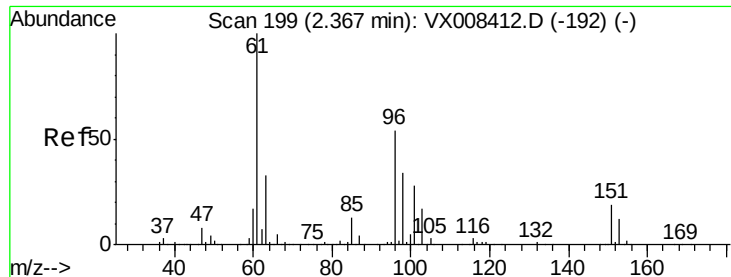
MMDadoda
3/30/2019 9:50:43 AM



#11
Tert butyl alcohol
Concen: 3.989 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	18.0	8.2	12.4#





#12

1,1-Dichloroethene

Concen: 0.731 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

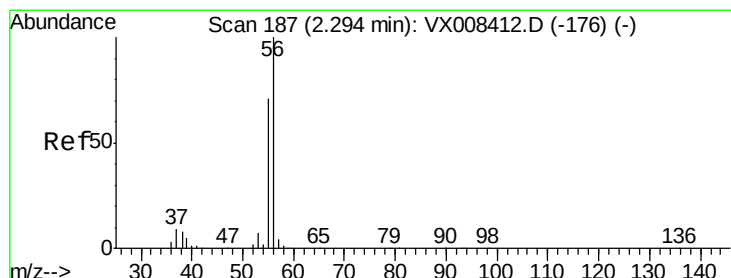
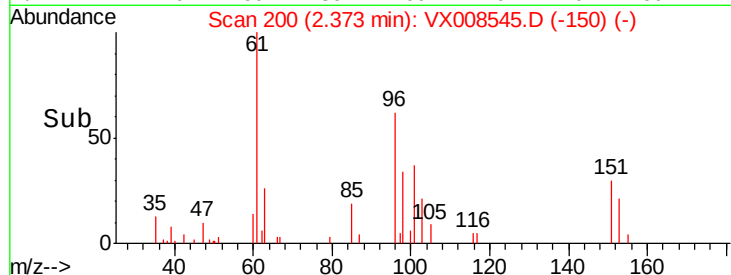
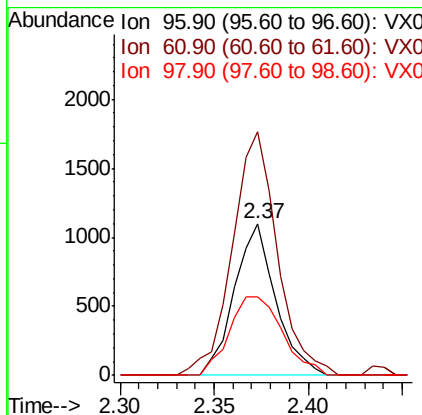
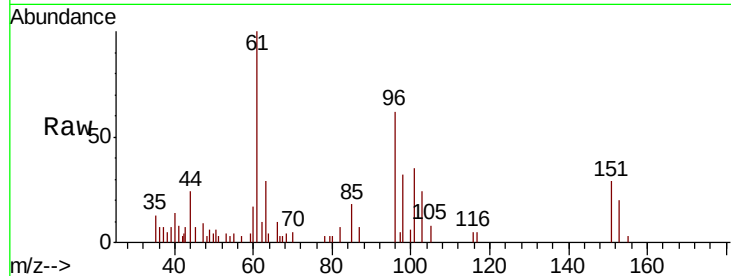
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	96	Resp:	1669
Ion	Ratio	Lower	Upper
96	100		
61	160.1	146.9	220.3
98	52.0	50.1	75.1

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#13

Acrolein

Concen: 0.491 ug/l

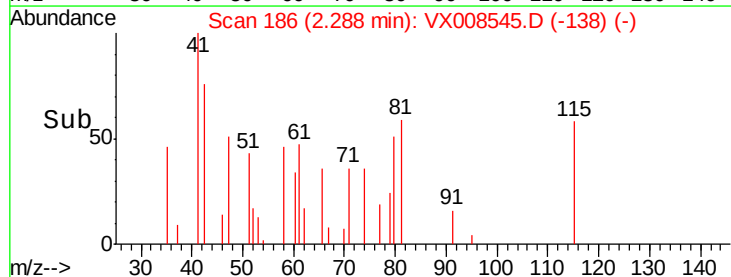
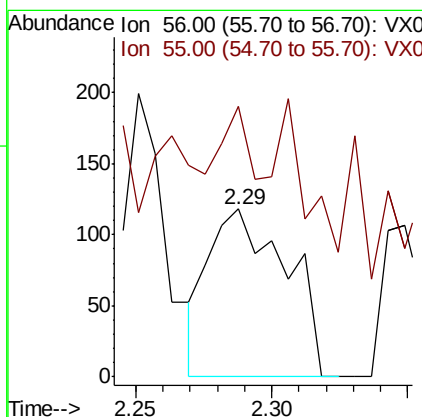
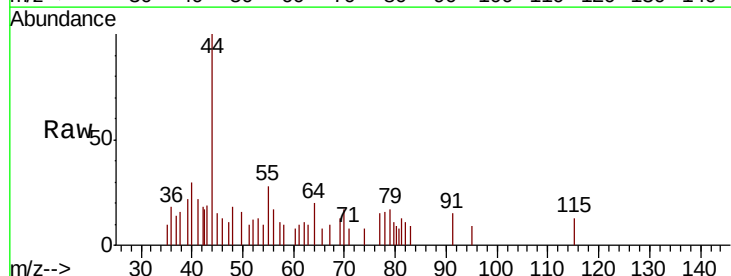
RT: 2.29 min Scan# 186

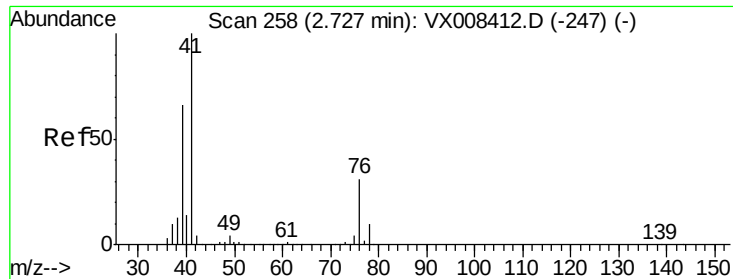
Delta R.T. -0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	56	Resp:	235
Ion	Ratio	Lower	Upper
56	100		
55	0.0	56.5	84.7#





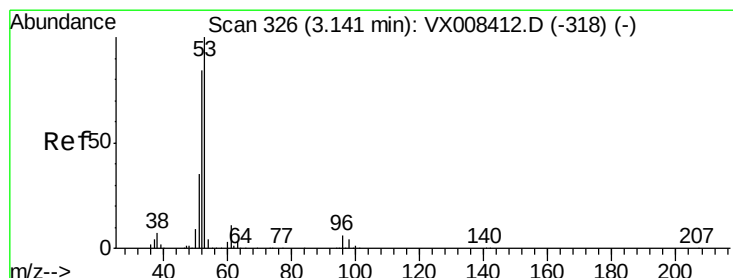
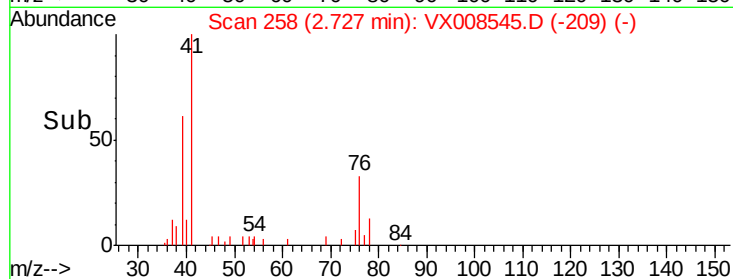
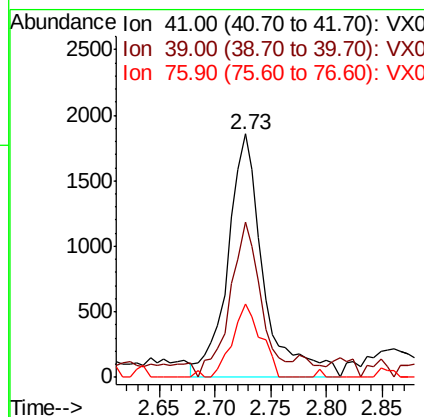
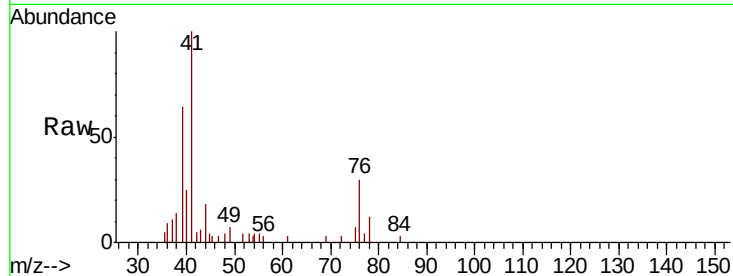
#14
Allvl chloride
Concen: 0.816 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion:	41	Resp:	4107
Ion	Ratio	Lower	Upper
41	100		
39	56.4	49.6	74.4
76	23.8	22.6	34.0

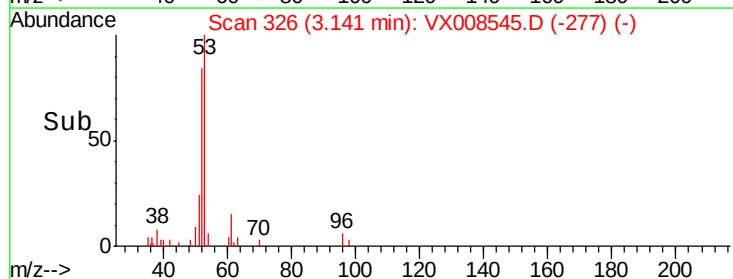
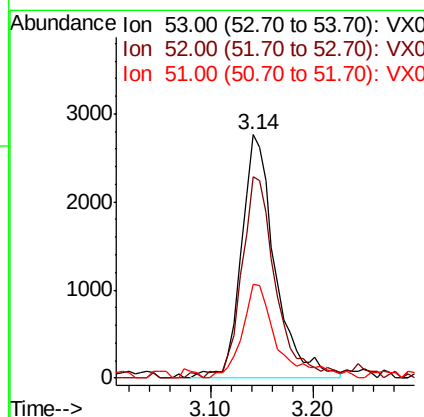
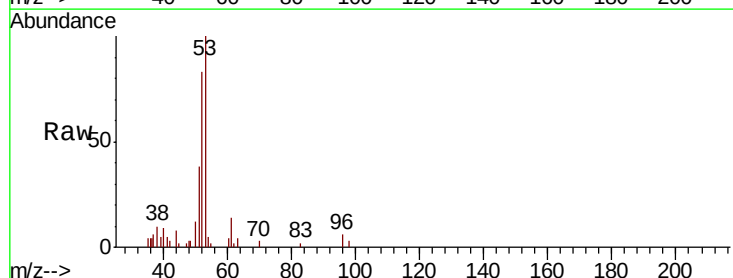
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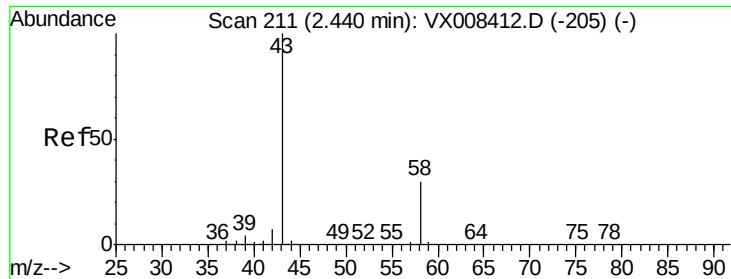
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#15
Acrylonitrile
Concen: 3.655 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion:	53	Resp:	6318
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	40.7	28.3	42.5





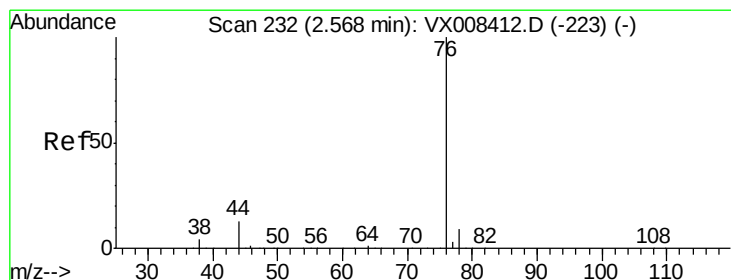
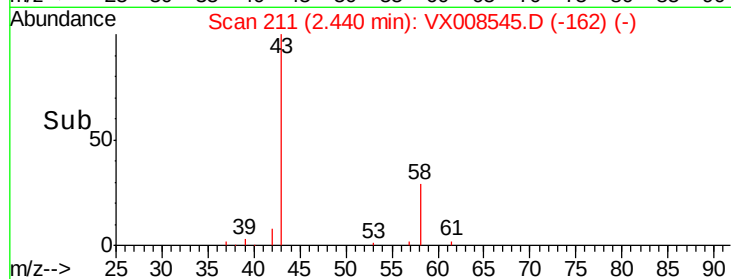
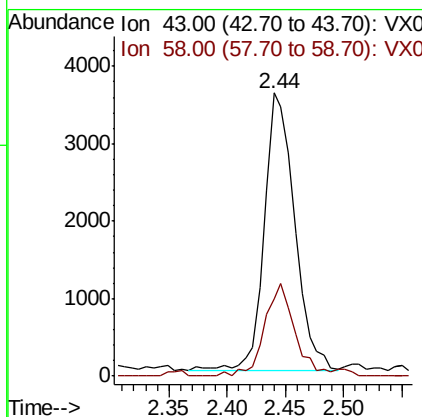
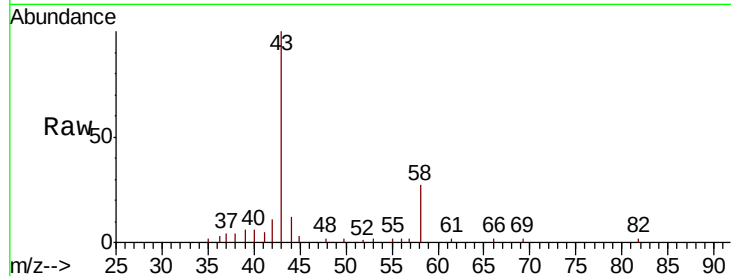
#16
Acetone
Concen: 4.161 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion: 43 Resp: 6471
Ion Ratio Lower Upper
43 100
58 27.7 24.2 36.2

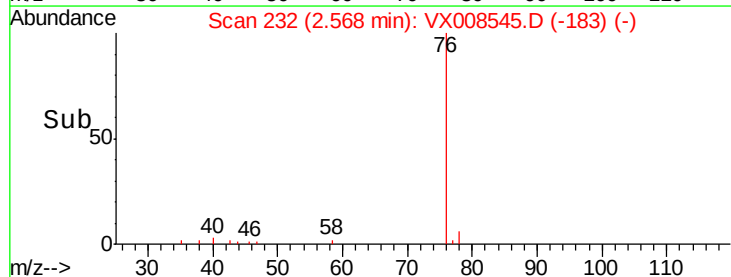
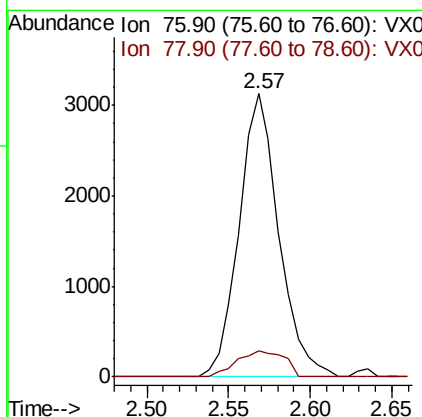
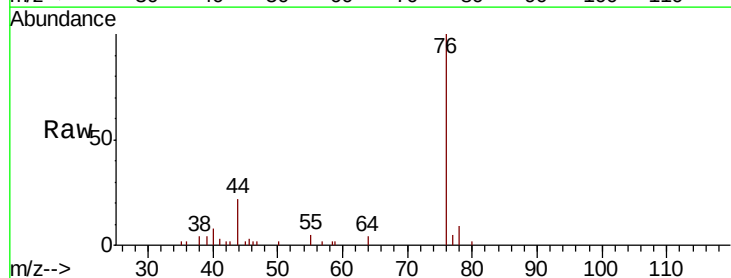
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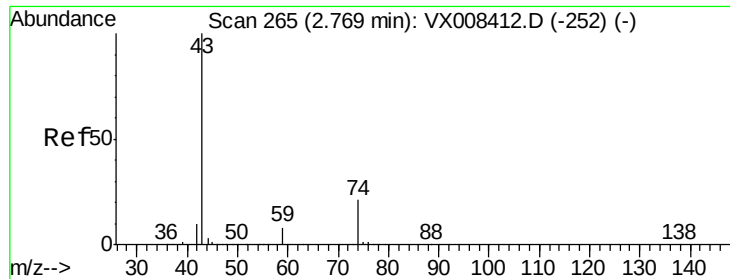
MMDadoda
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#17
Carbon Disulfide
Concen: 0.428 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion: 76 Resp: 5294
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2





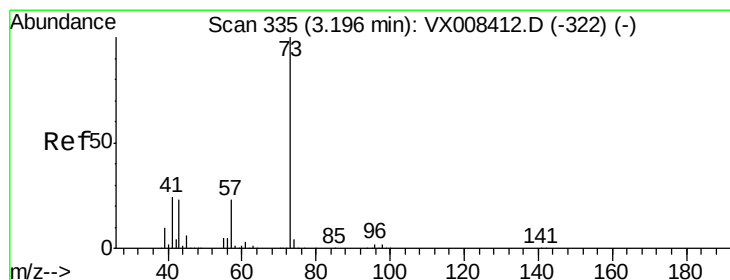
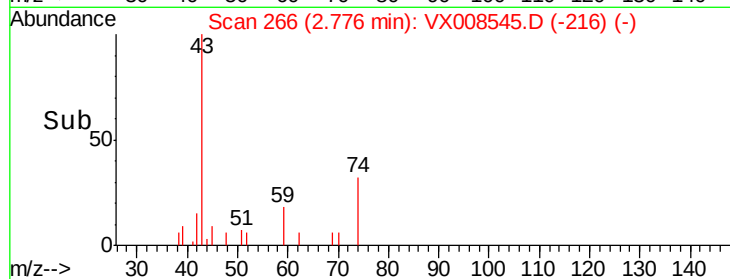
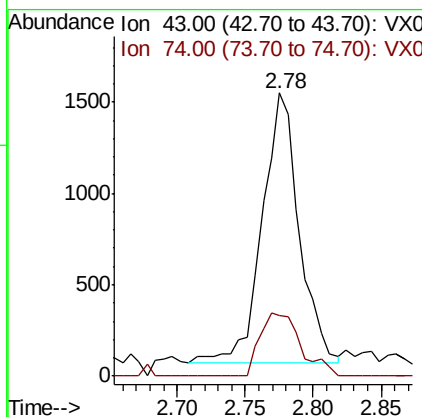
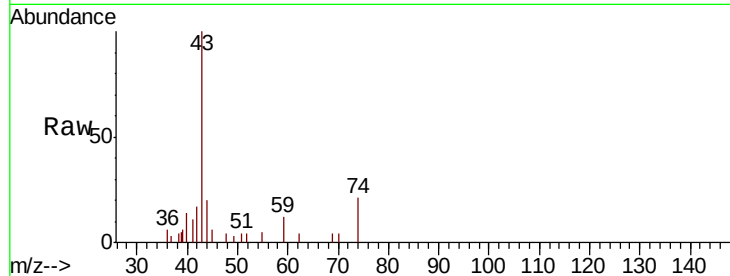
#18
Methyl Acetate
Concen: 0.760 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
74 25.6 16.7 25.1#

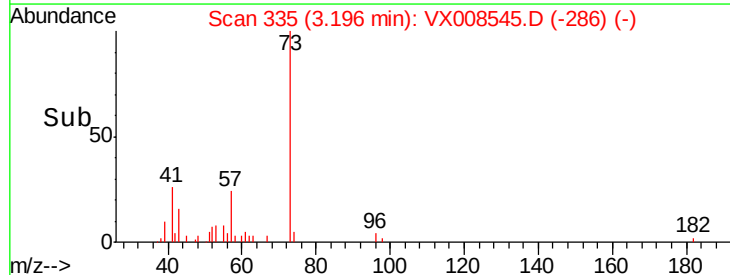
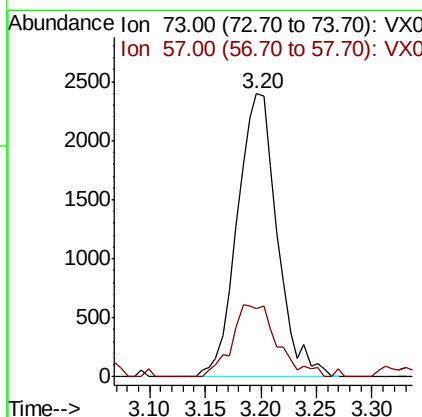
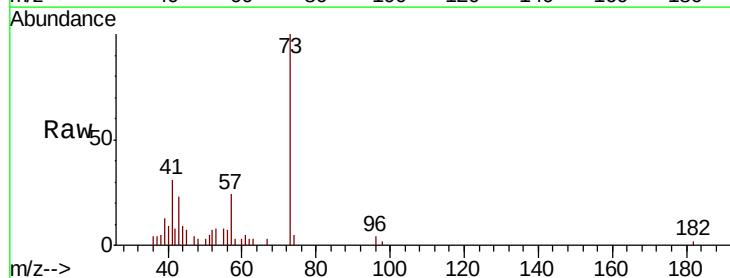
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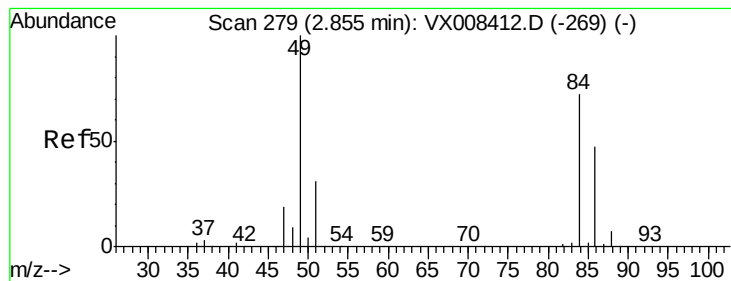
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.724 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion: 73 Resp: 5960
Ion Ratio Lower Upper
73 100
57 24.3 18.6 28.0





#20

Methylene Chloride

Concen: 0.445 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 84 Resp: 2740

Ion Ratio Lower Upper

84 100

49 124.0 110.6 165.8

51 32.2 33.9 50.9#

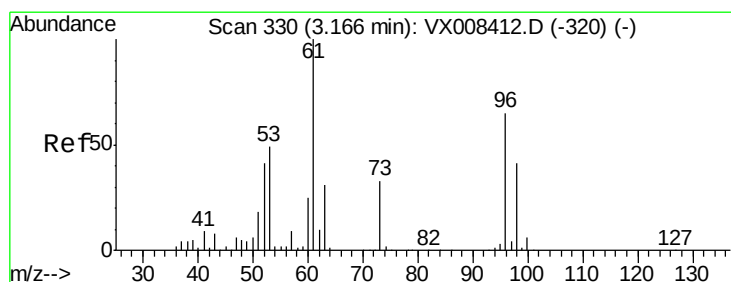
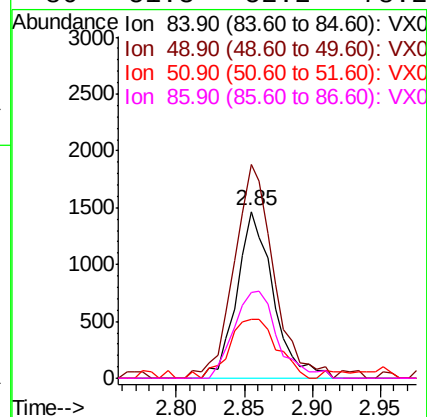
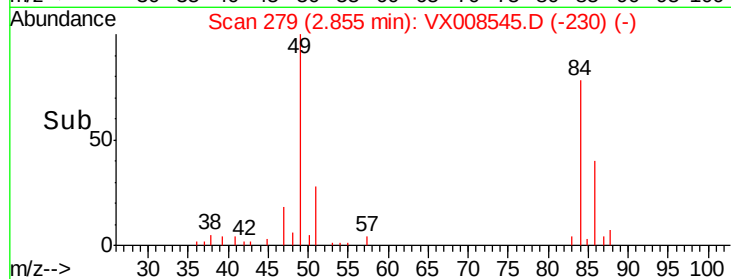
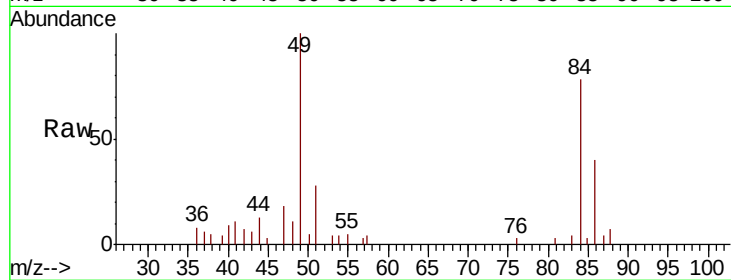
86 51.3 52.2 78.2#

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#21

trans-1,2-Dichloroethene

Concen: 0.571 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

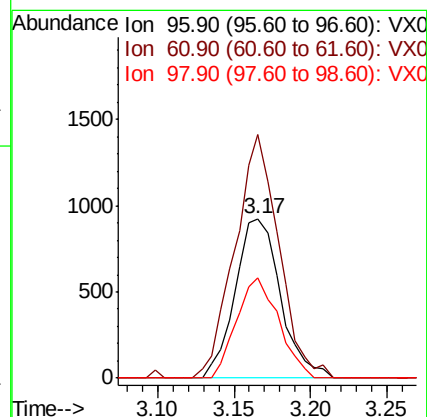
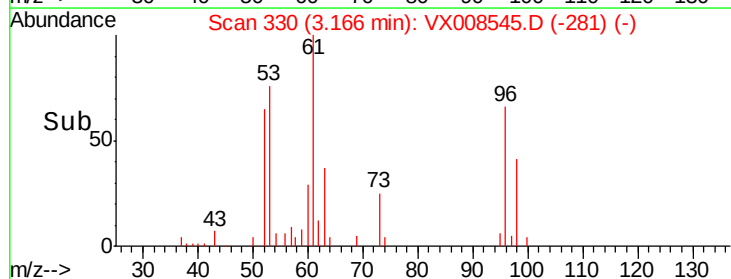
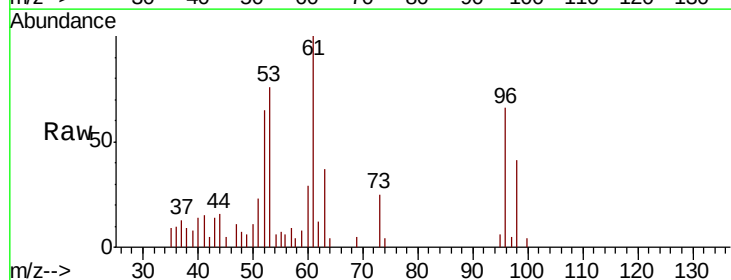
Tgt Ion: 96 Resp: 1908

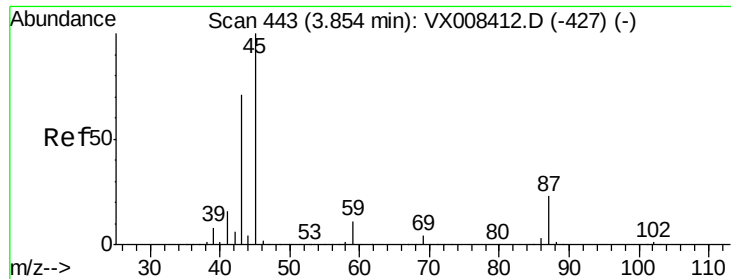
Ion Ratio Lower Upper

96 100

61 152.6 122.6 184.0

98 63.0 50.9 76.3





#22

Diisopropyl ether

Concen: 0.726 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

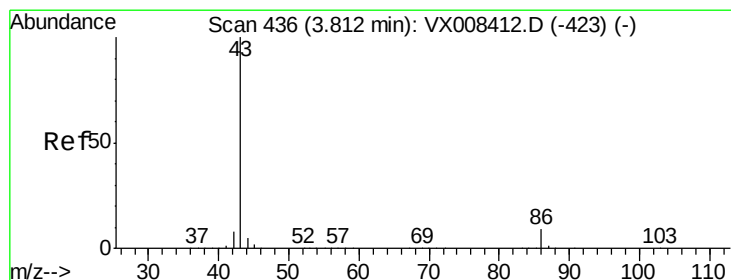
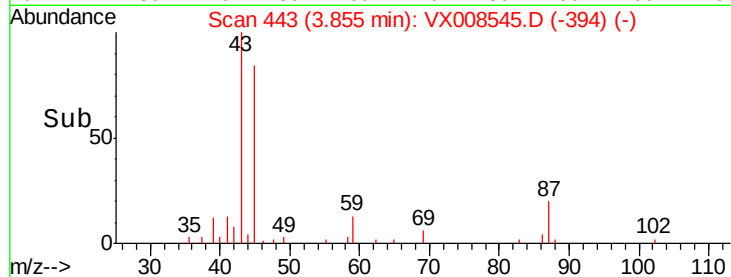
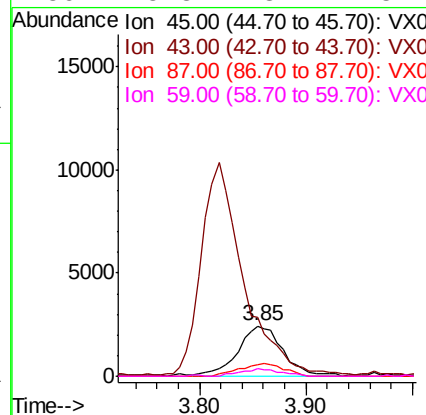
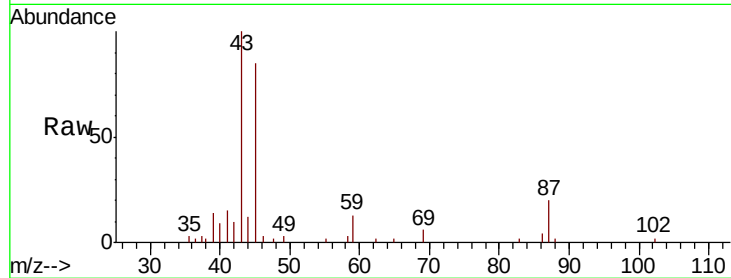
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	45	Resp:	7189
Ion	Ratio	Lower	Upper
45	100		
43	113.0	57.1	85.7#
87	23.5	18.8	28.2
59	15.3	8.7	13.1#

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#23

Vinyl Acetate

Concen: 3.209 ug/l

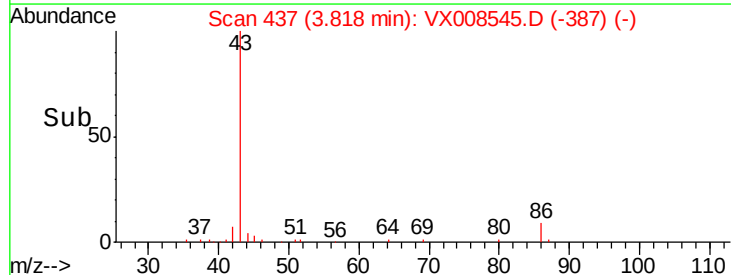
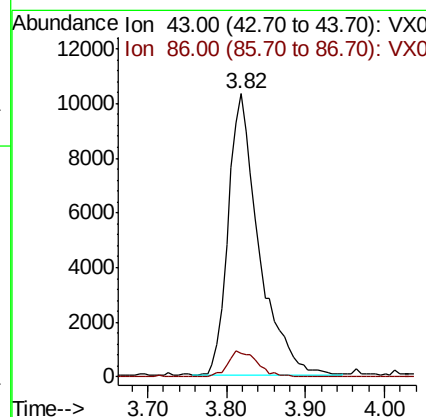
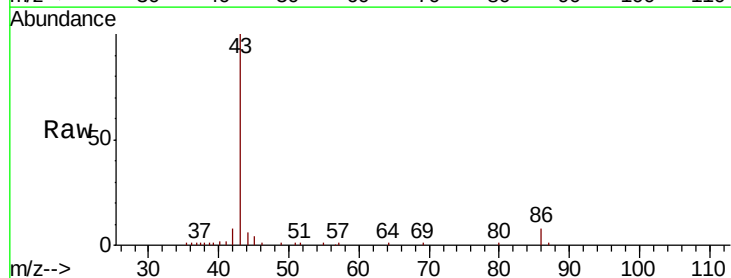
RT: 3.82 min Scan# 437

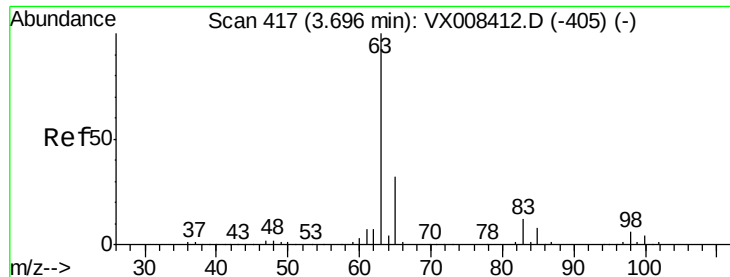
Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	43	Resp:	27734
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.9	10.3





#24

1,1-Dichloroethane

Concen: 0.714 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

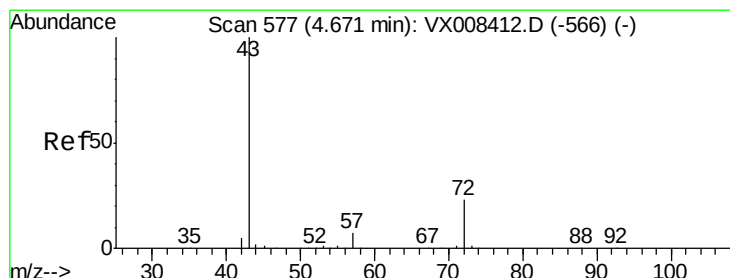
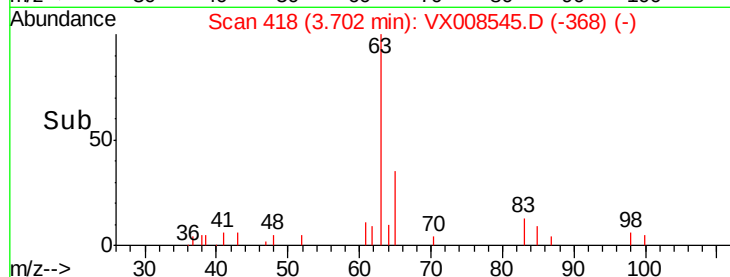
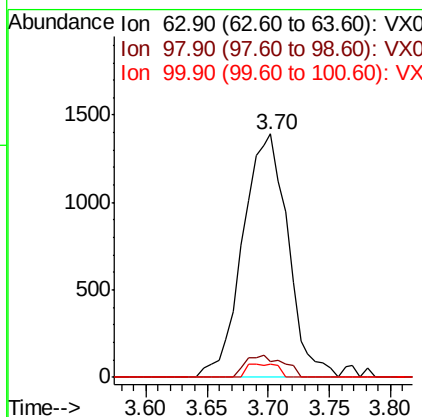
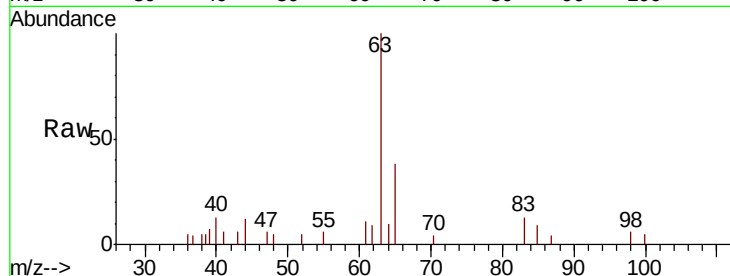
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	63	Resp:	3573
Ion Ratio	Lower	Upper	
63	100		
98	6.5	3.2	9.6
100	5.3	2.0	5.8

Manual Integrations
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#25

2-Butanone

Concen: 3.824 ug/l

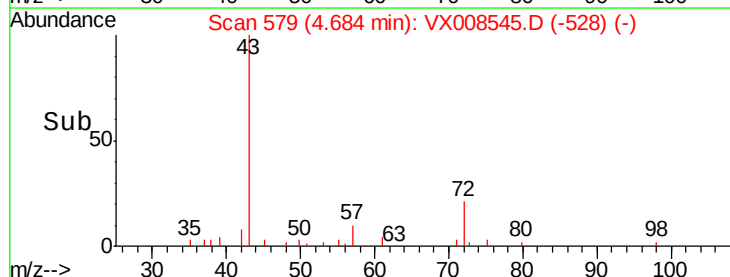
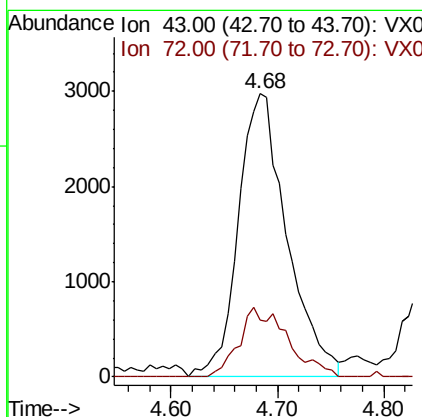
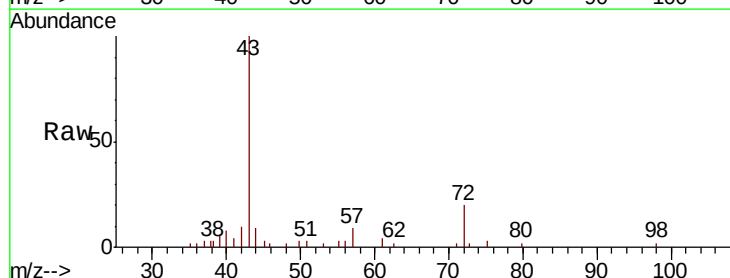
RT: 4.68 min Scan# 579

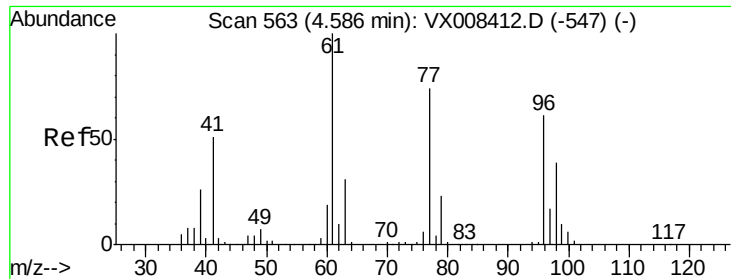
Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	43	Resp:	9533
Ion Ratio	Lower	Upper	
43	100		
72	20.2	18.6	28.0





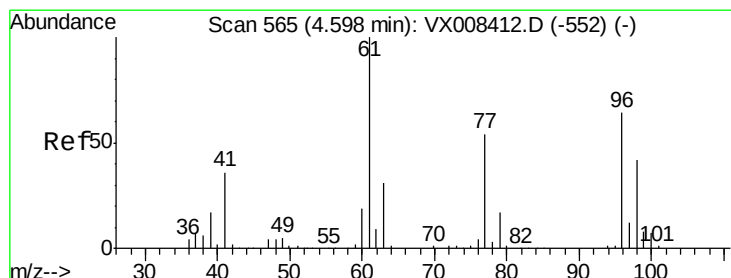
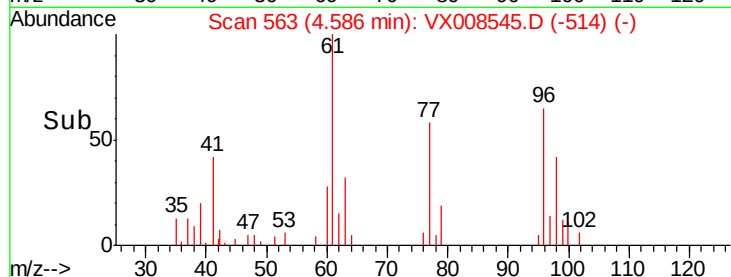
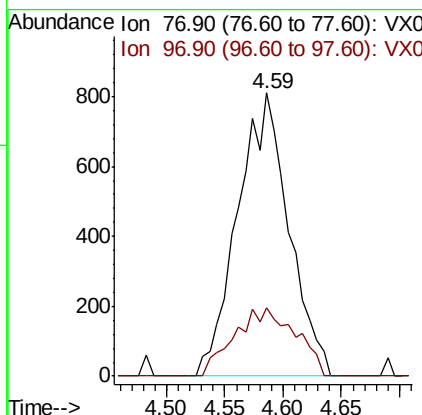
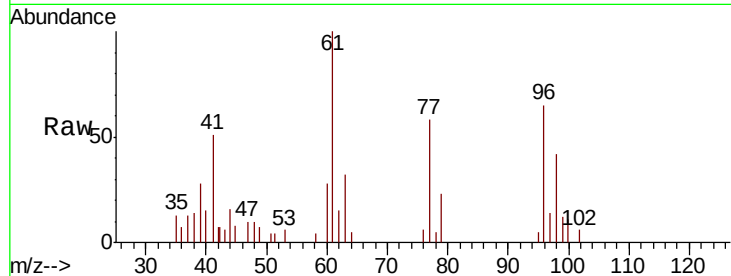
#26
 2,2-Dichloropropane
 Concen: 0.744 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion: 77 Resp: 2476
 Ion Ratio Lower Upper
 77 100
 97 28.8 11.2 33.6

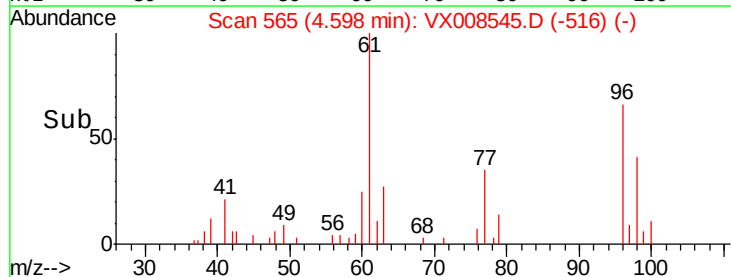
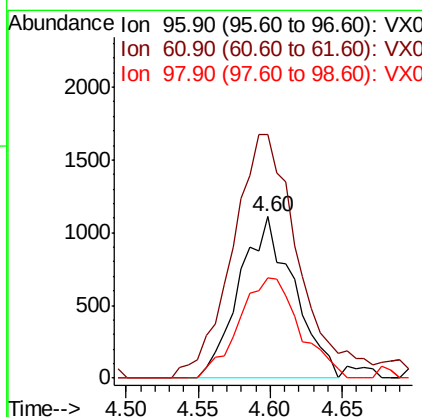
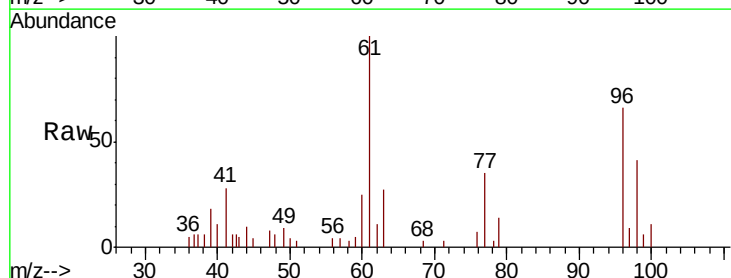
Manual Integrations
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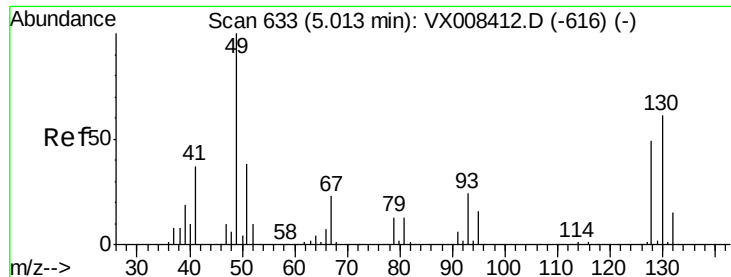
MMDadoda
 3/30/2019 9:50:43 AM



#27
 cis-1,2-Dichloroethene
 Concen: 1.050 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion: 96 Resp: 2933
 Ion Ratio Lower Upper
 96 100
 61 181.8 0.0 325.6
 98 68.6 0.0 130.0





#28

Bromochloromethane

Concen: 0.871 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

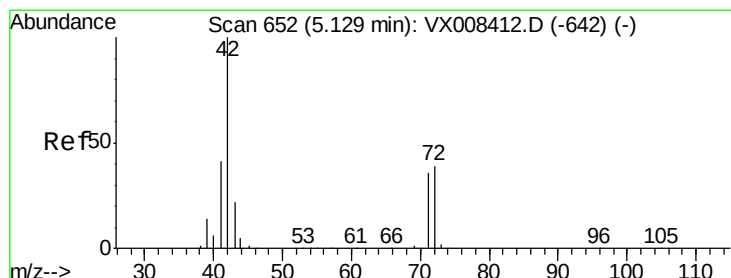
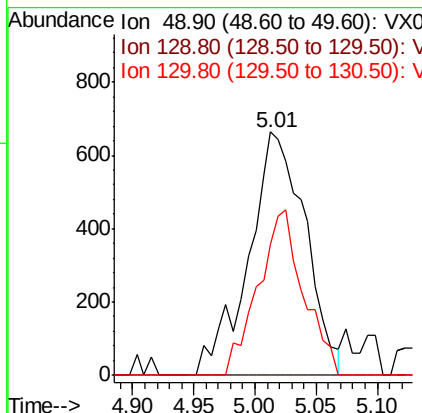
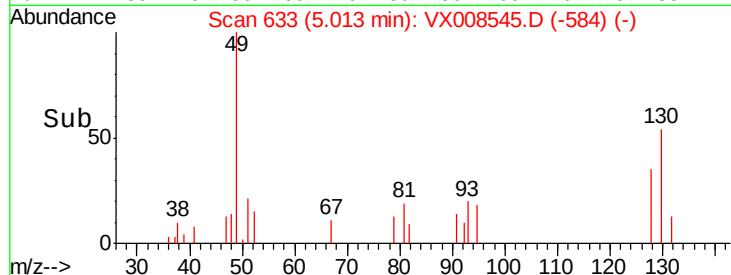
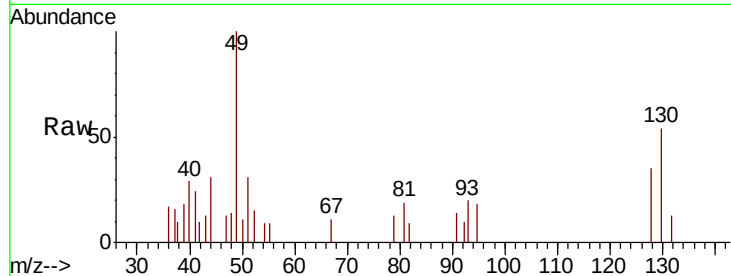
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	49	Resp:	2153
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	3.4
130	53.7	49.8	74.6

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MMDadoda
3/30/2019 9:50:43 AM



#29

Tetrahydrofuran

Concen: 3.615 ug/l

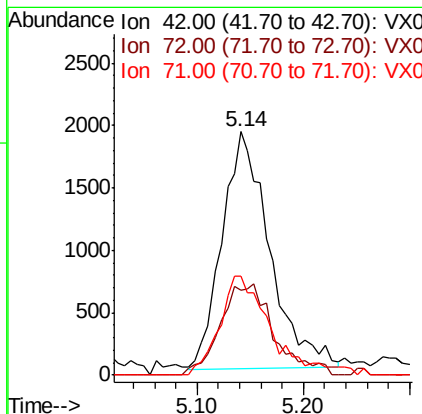
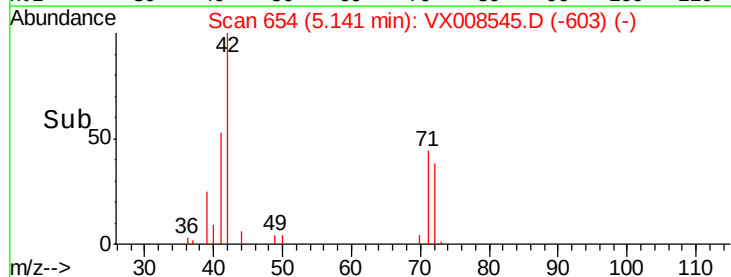
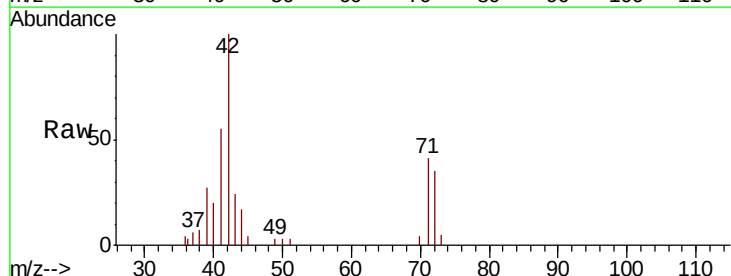
RT: 5.14 min Scan# 654

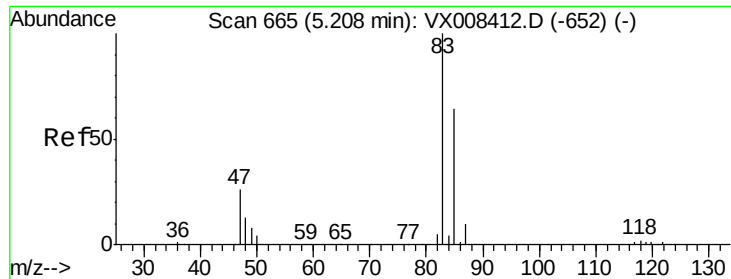
Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	42	Resp:	5941
Ion Ratio	Lower	Upper	
42	100		
72	42.8	31.4	47.2
71	45.0	29.4	44.2#





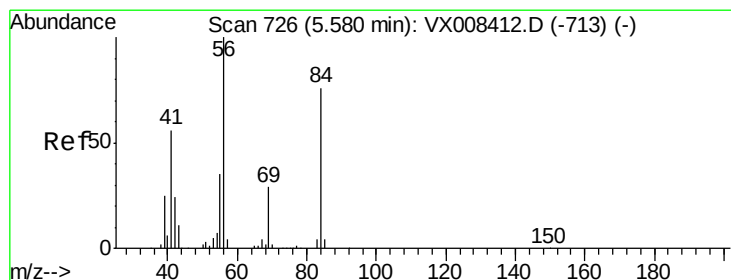
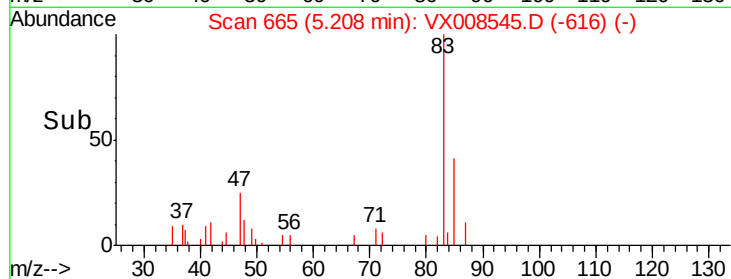
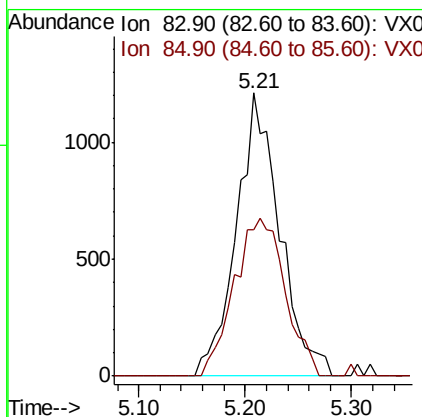
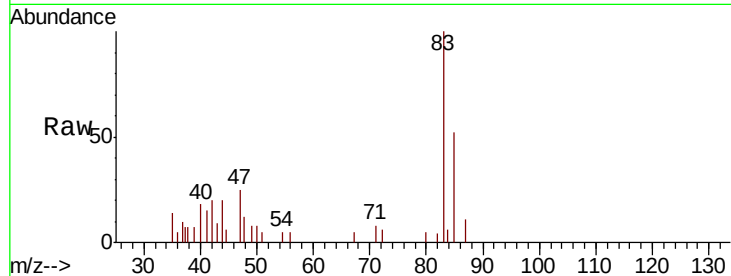
#30
Chloroform
Concen: 0.763 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion: 83 Resp: 3444
Ion Ratio Lower Upper
83 100
85 51.8 51.4 77.2

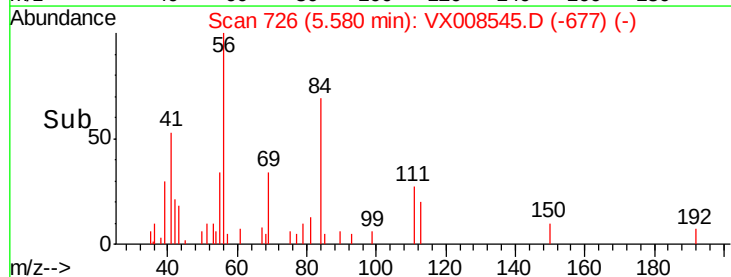
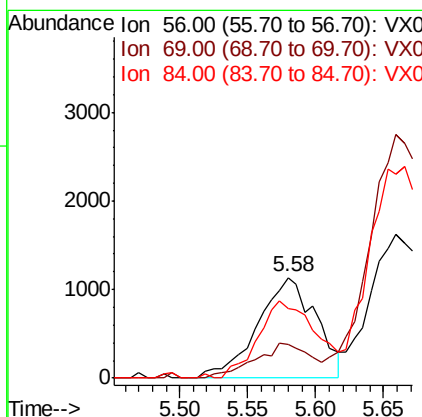
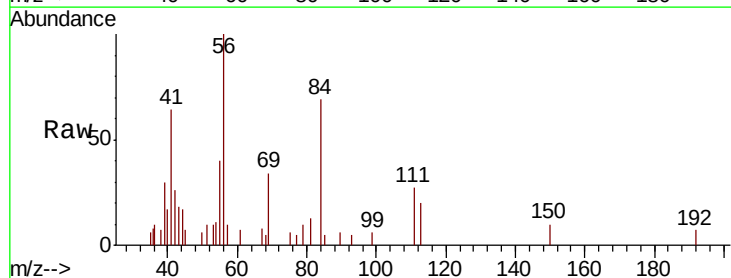
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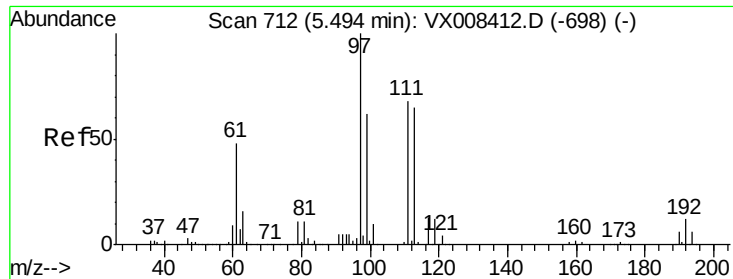
MMDadoda
3/30/2019 9:50:43 AM



#31
Cyclohexane
Concen: 0.708 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion: 56 Resp: 3378
Ion Ratio Lower Upper
56 100
69 34.1 23.2 34.8
84 69.5 60.7 91.1





#32

1,1,1-Trichloroethane

Concen: 0.705 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

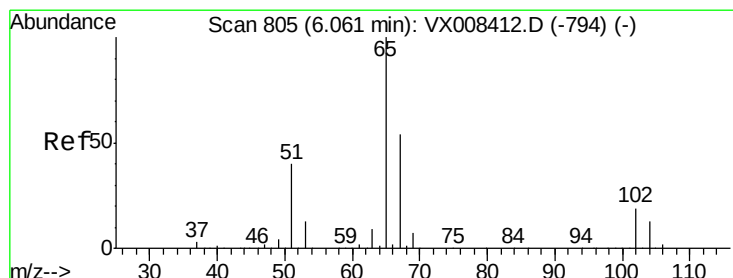
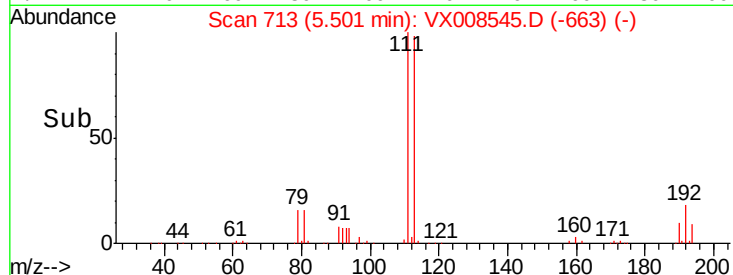
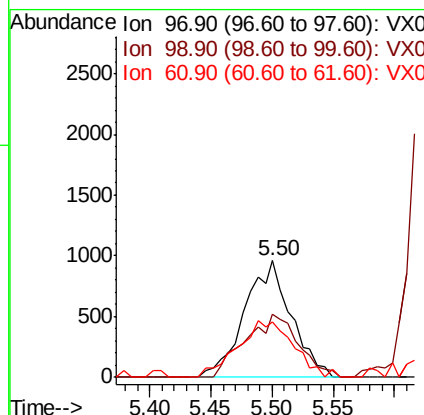
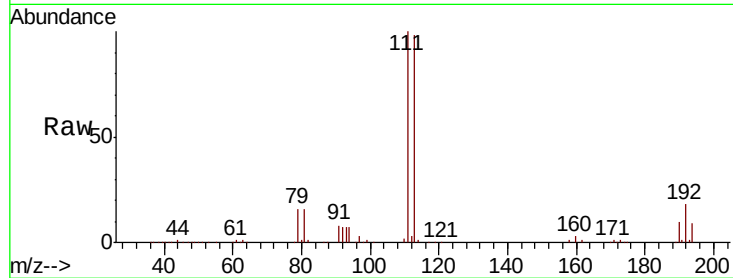
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	97	Resp:	2545
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.5	77.3#
61	57.8	38.8	58.2

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MMDadoda
3/30/2019 9:50:43 AM



#33

1,2-Dichloroethane-d4

Concen: 49.010 ug/l

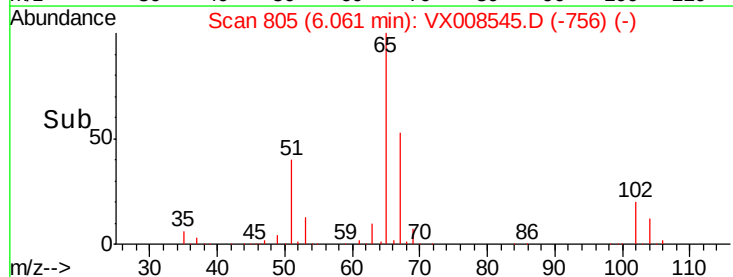
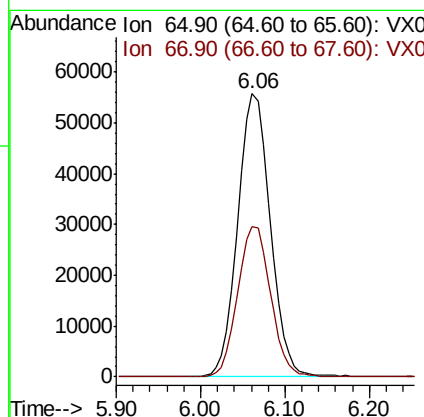
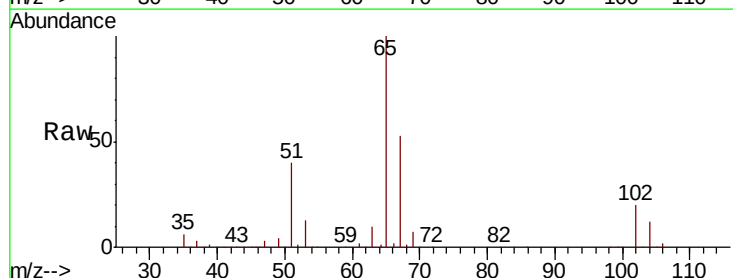
RT: 6.06 min Scan# 805

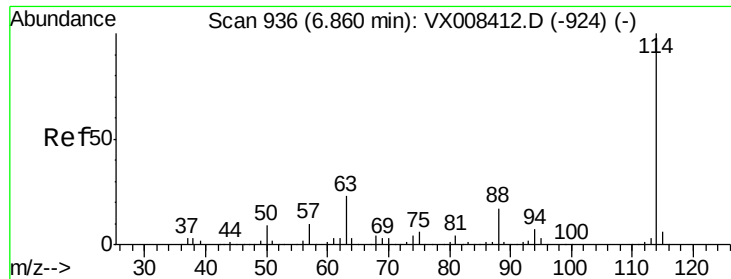
Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	65	Resp:	145829
Ion Ratio	Lower	Upper	
65	100		
67	53.8	0.0	109.4





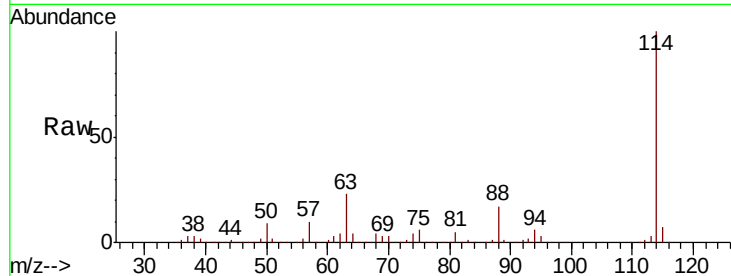
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Resp	Lower	Upper
114	100	332810		
63	23.2	0.0	46.4	
88	17.0	0.0	33.2	

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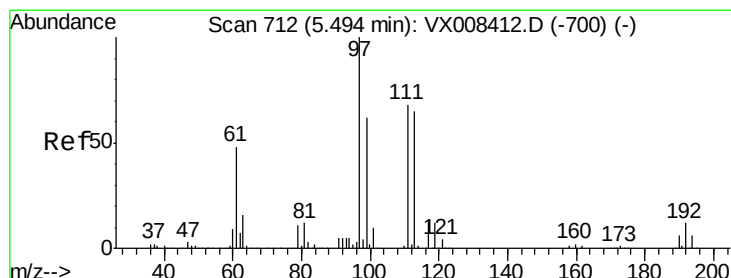
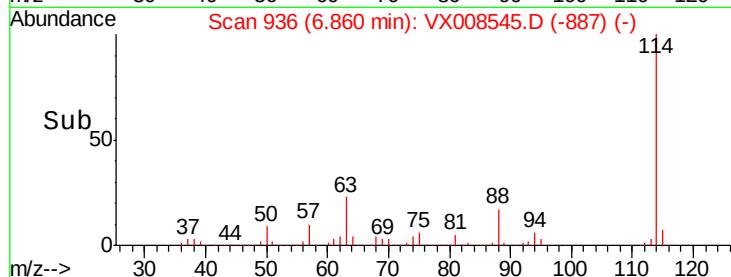
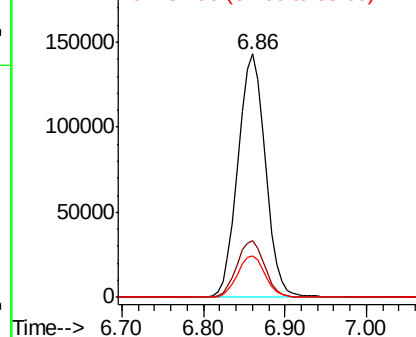


Abundance

Ion 113.90 (113.60 to 114.60): V

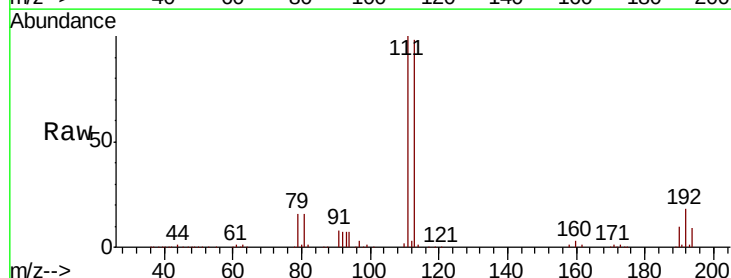
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
Dibromofluoromethane
Concen: 48.808 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	105916		
111	103.1	83.0	124.4	
192	20.0	15.6	23.4	

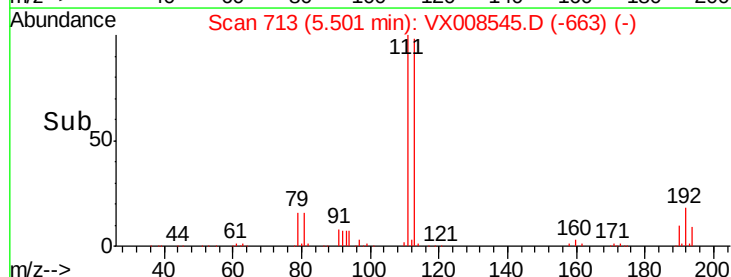
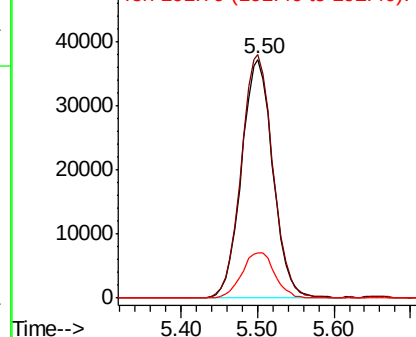


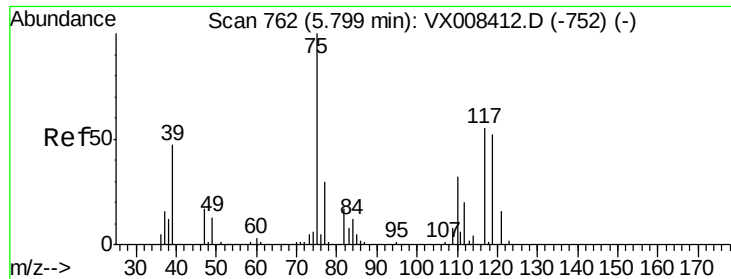
Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





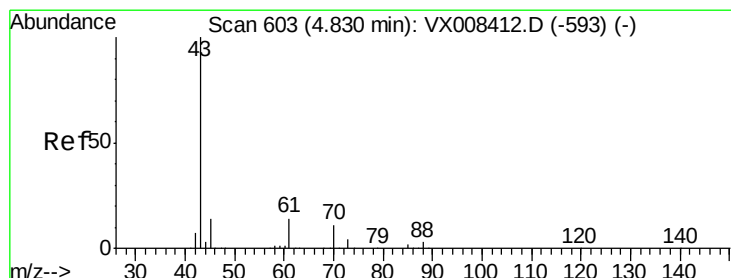
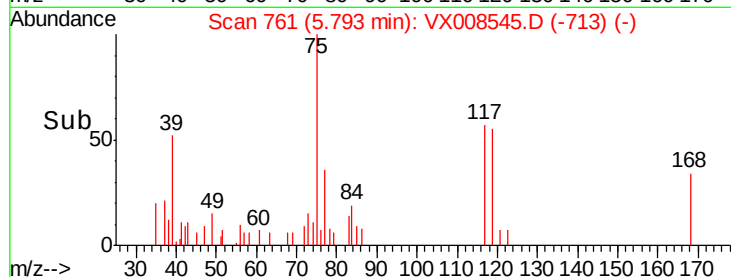
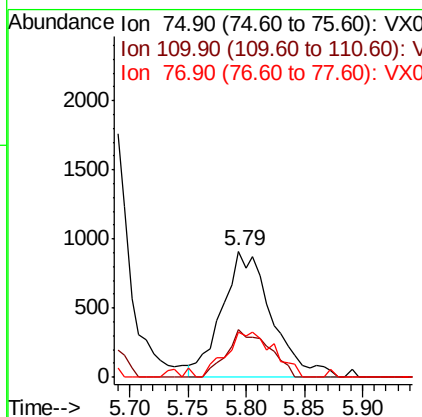
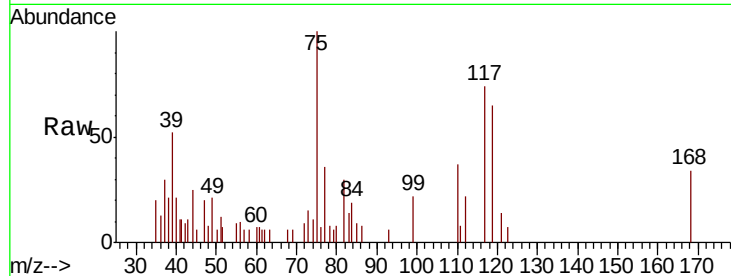
#36
 1,1-Dichloropropene
 Concen: 0.761 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion:	75	Resp:	2701
Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.6	49.7
77	34.9	24.2	36.2

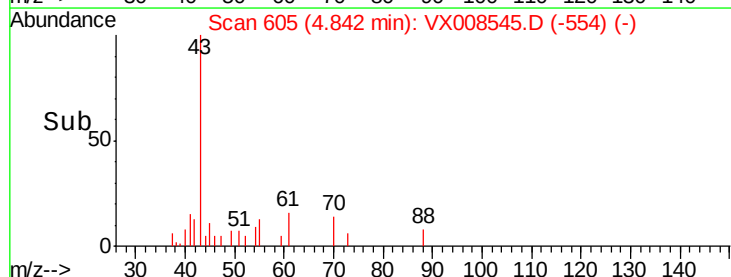
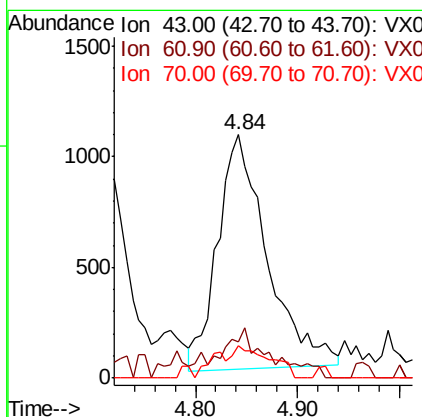
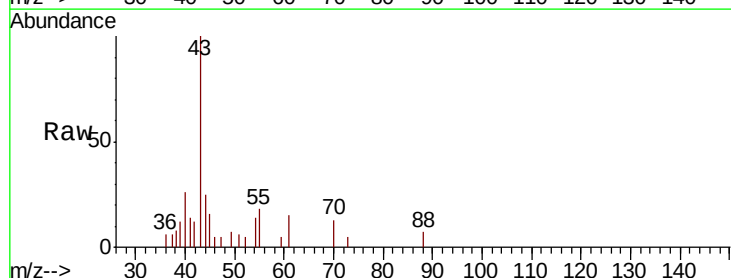
Manual Integrations
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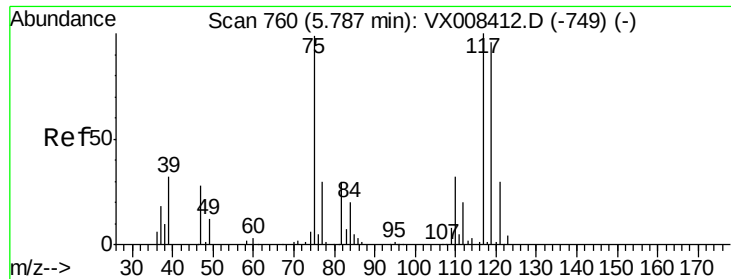
MMDadoda
 3/30/2019 9:50:43 AM



#37
 Ethyl Acetate
 Concen: 0.780 ug/l
 RT: 4.84 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion:	43	Resp:	3587
Ion	Ratio	Lower	Upper
43	100		
61	19.1	10.5	15.7#
70	10.3	7.8	11.8





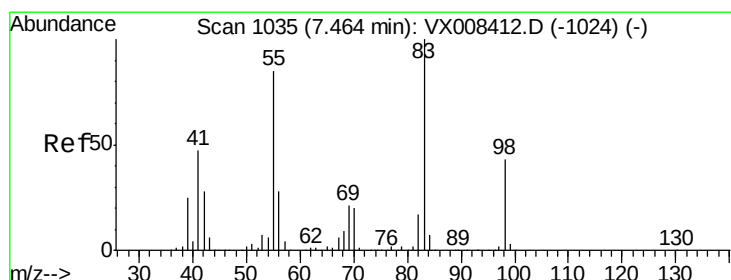
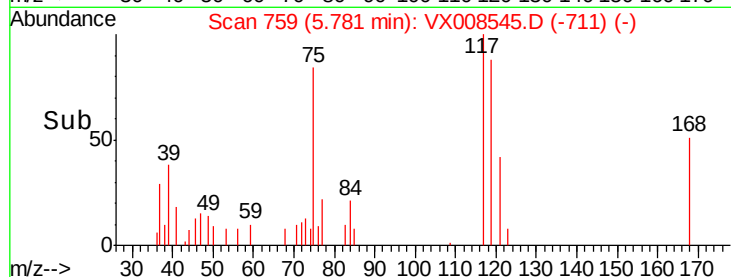
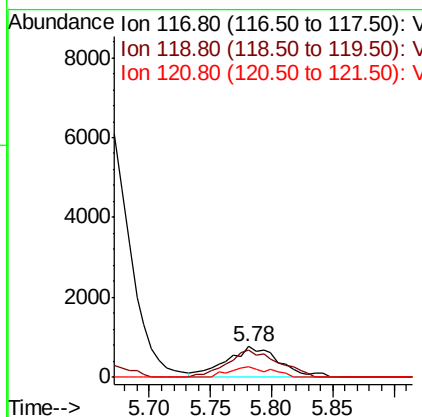
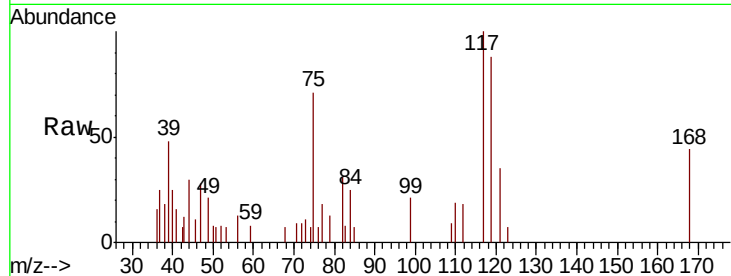
#38
Carbon Tetrachloride
Concen: 0.782 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.7	115.1
121	35.4	24.3	36.5

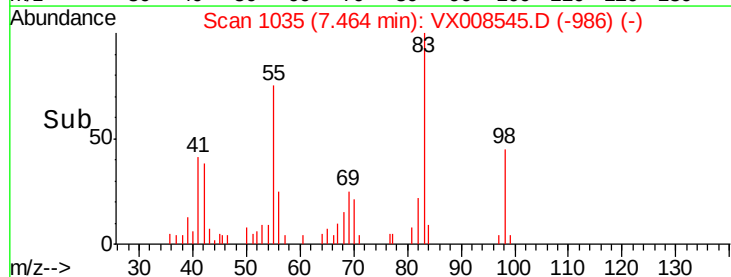
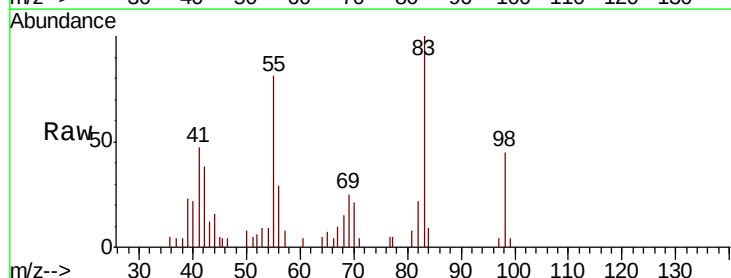
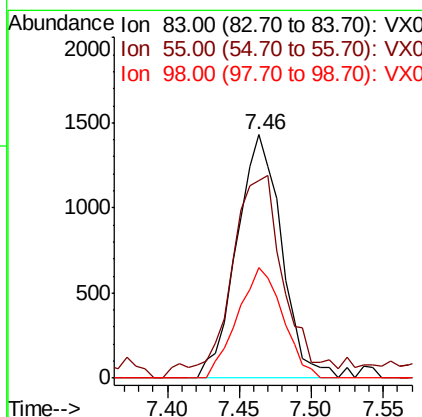
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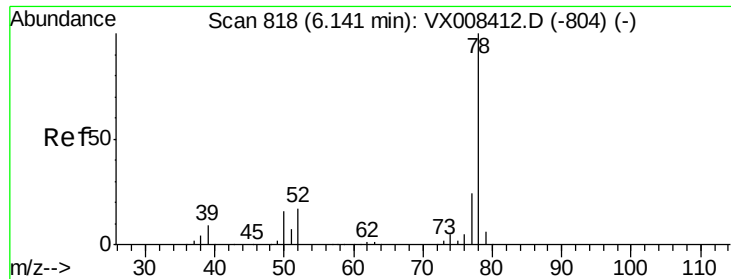
MMDadoda
3/30/2019 9:50:43 AM



#39
Methylcyclohexane
Concen: 0.727 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.6	68.2	102.4
98	45.2	34.2	51.4





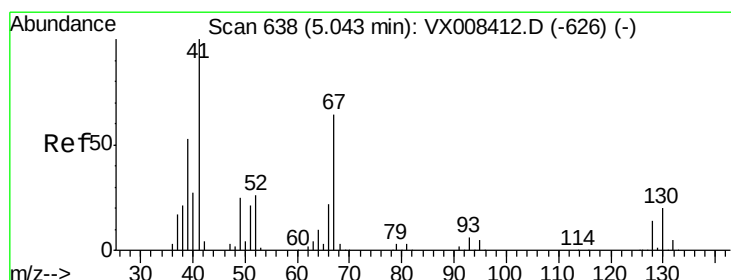
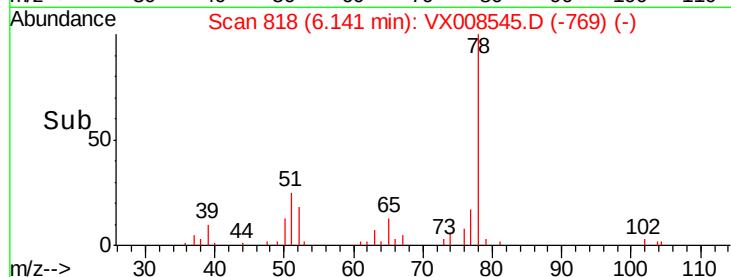
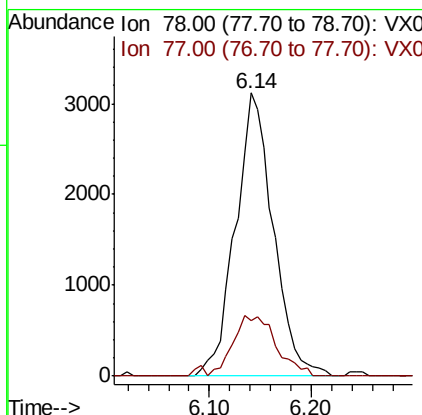
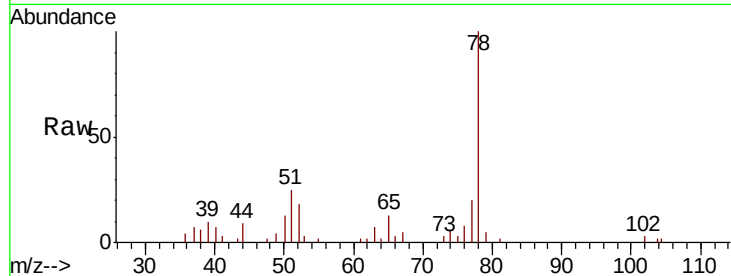
#40
Benzene
Concen: 0.754 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion: 78 Resp: 8013
Ion Ratio Lower Upper
78 100
77 19.7 19.3 28.9

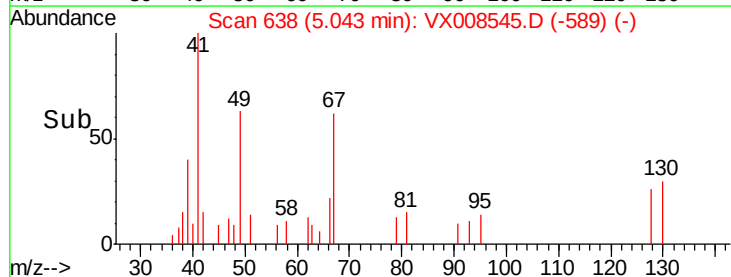
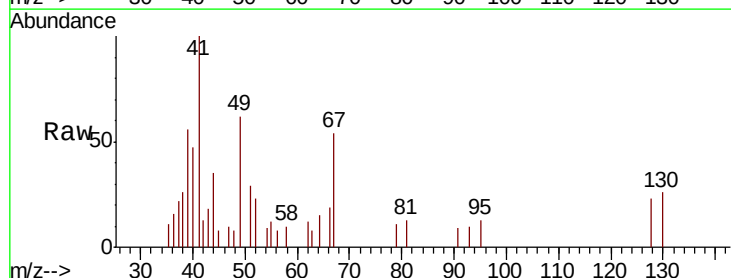
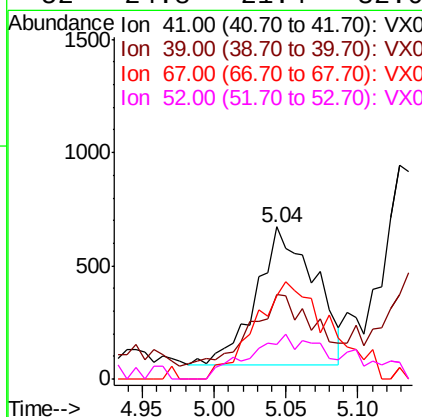
Manual Integrations
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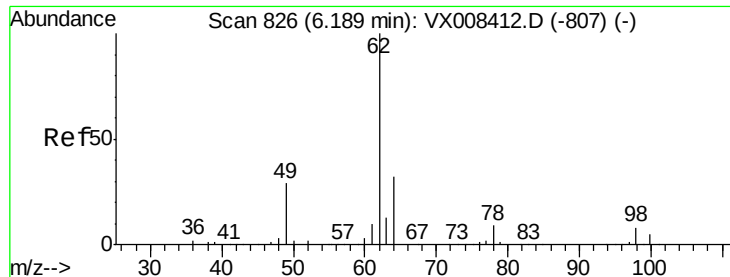
MMDadoda
3/30/2019 9:50:43 AM



#41
Methacrylonitrile
Concen: 0.667 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion: 41 Resp: 1724
Ion Ratio Lower Upper
41 100
39 56.3 42.6 64.0
67 89.3 52.2 78.4#
52 24.8 21.4 32.0





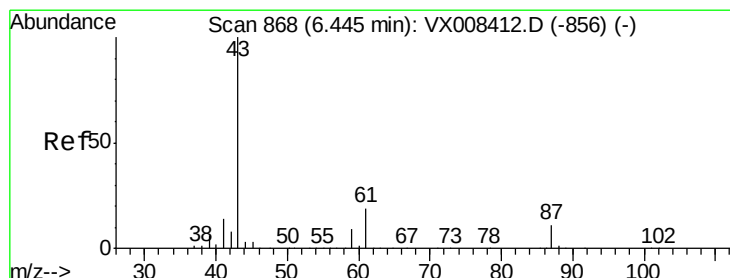
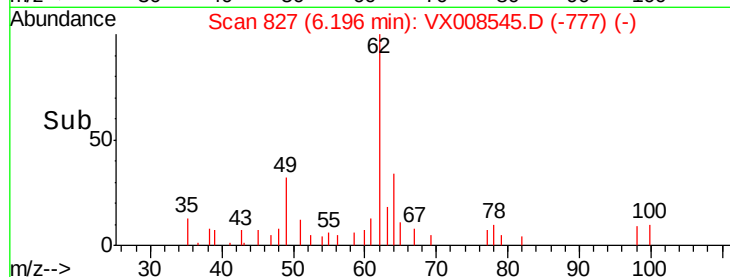
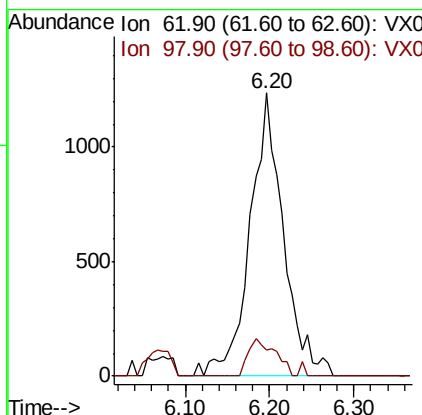
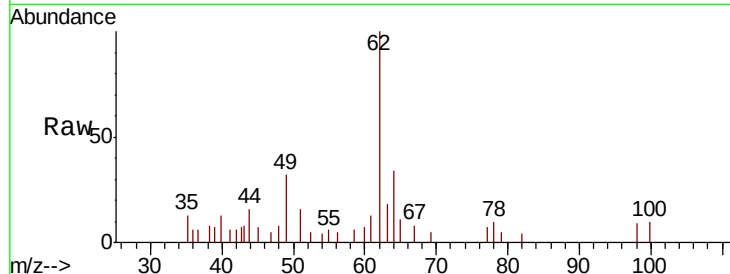
#42
 1,2-Dichloroethane
 Concen: 0.861 ug/l
 RT: 6.20 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Resp	Lower	Upper
62	100	3348		
98	10.5	0.0	17.6	

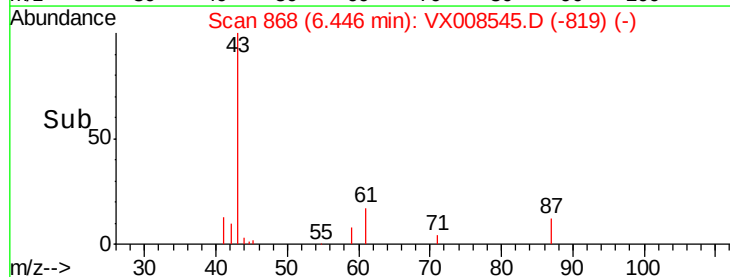
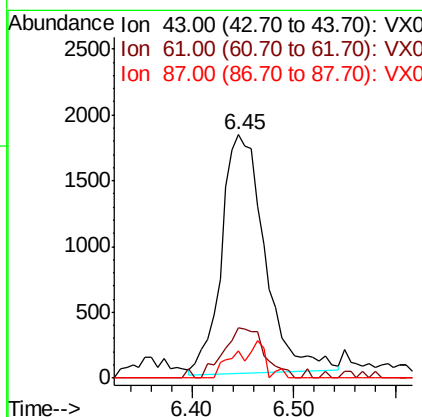
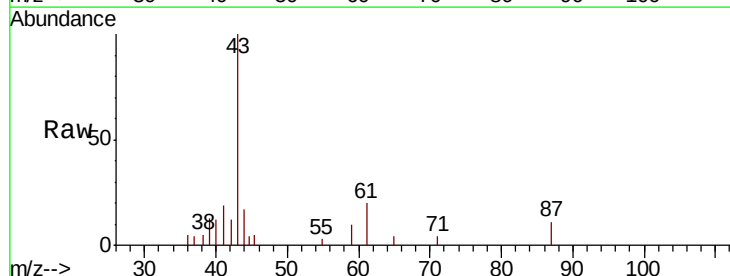
Manual Integrations
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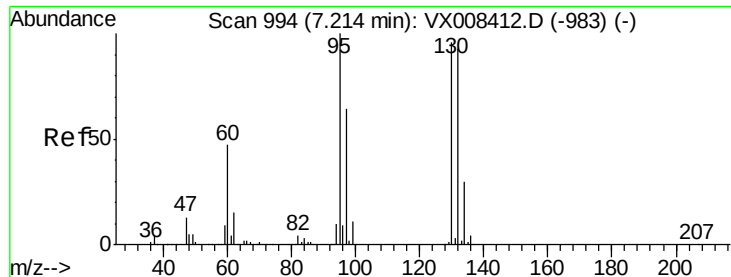
MMDadoda
 3/30/2019 9:50:43 AM



#43
 Isopropyl Acetate
 Concen: 0.724 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5325		
61	19.7	15.4	23.2	
87	10.7	9.1	13.7	





#44

Trichloroethene

Concen: 0.742 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:130 Resp: 1851

Ion Ratio Lower Upper

130 100

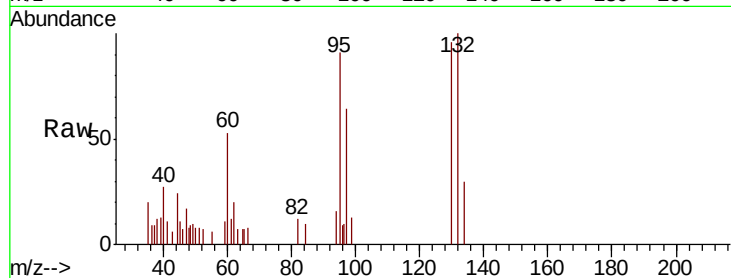
95 94.8 0.0 208.8

Manual Integrations

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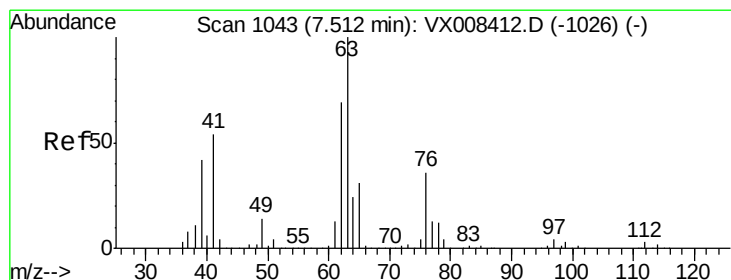
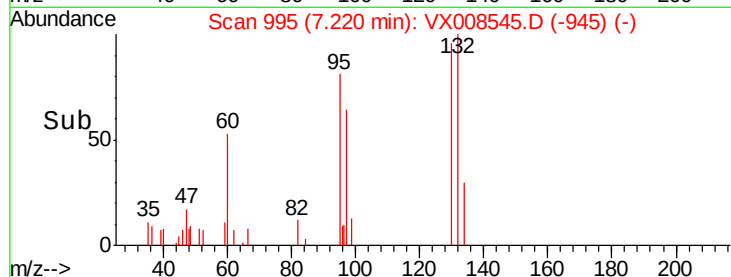
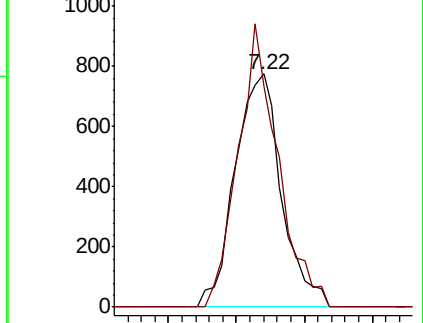
MMDadoda

3/30/2019 9:50:43 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.772 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008545.D

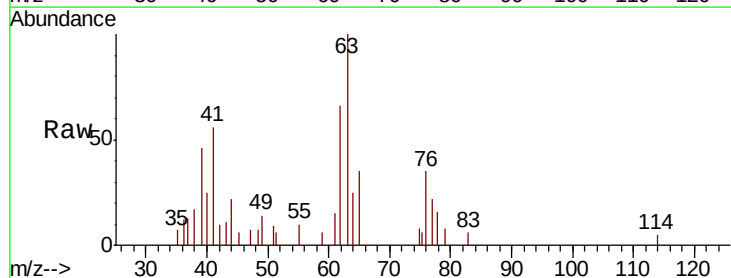
Acq: 29 Mar 2019 15:49

Tgt Ion: 63 Resp: 2330

Ion Ratio Lower Upper

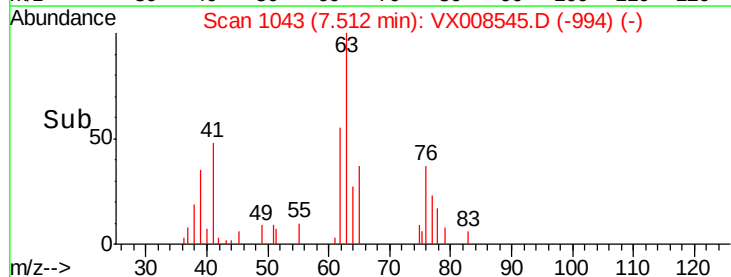
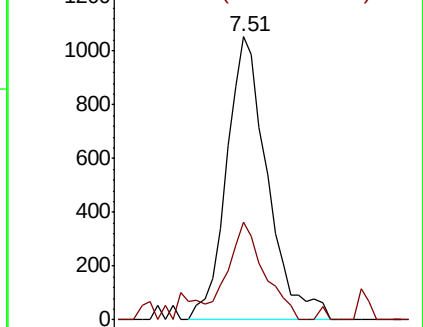
63 100

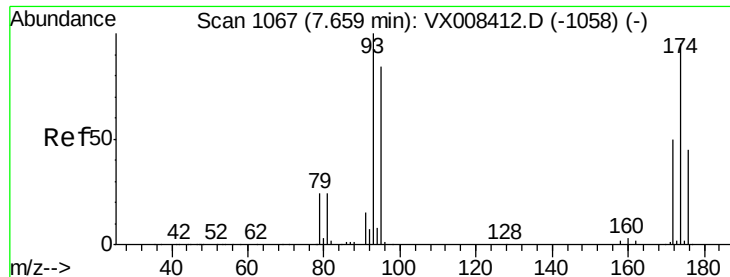
65 34.7 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.760 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

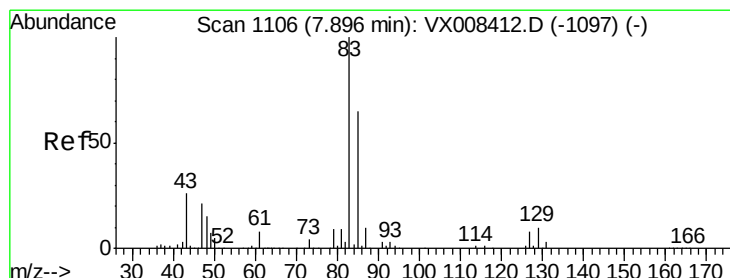
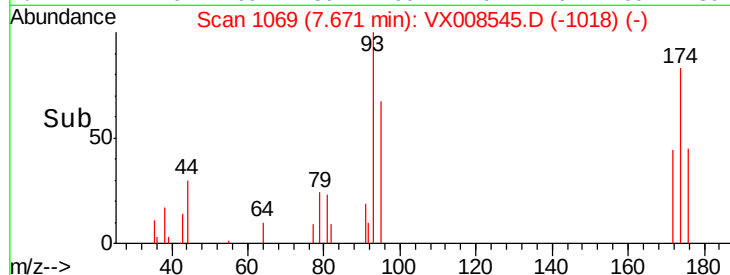
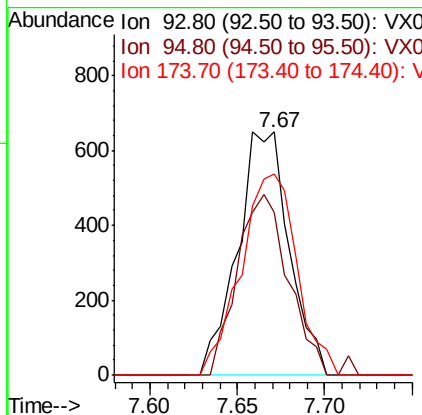
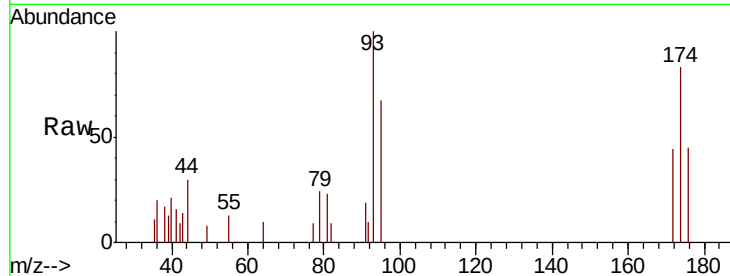
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	93	Resp:	1340
Ion	Ratio	Lower	Upper
93	100		
95	73.3	67.0	100.6
174	89.4	76.0	114.0

Manual Integrations
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3/30/2019 9:50:43 AM



#47

Bromodichloromethane

Concen: 0.631 ug/l

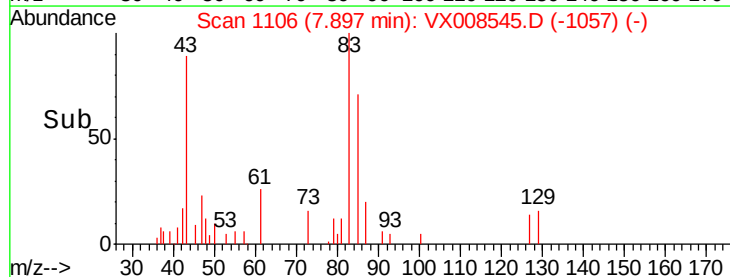
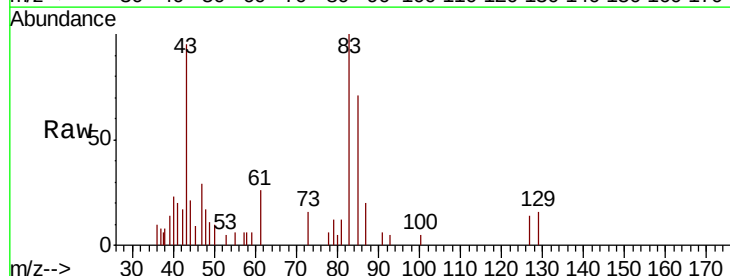
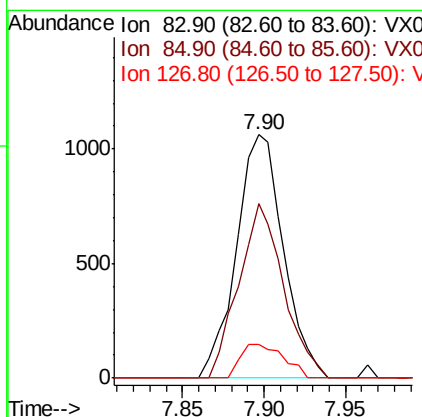
RT: 7.90 min Scan# 1106

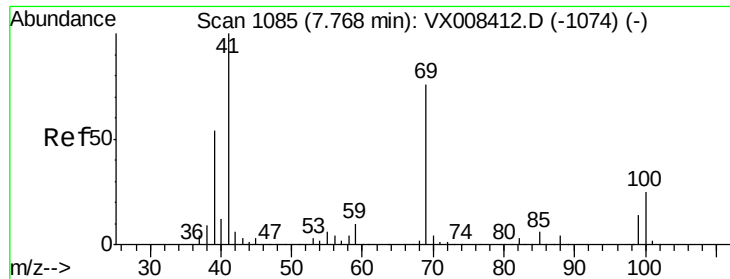
Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	83	Resp:	2129
Ion	Ratio	Lower	Upper
83	100		
85	71.4	52.0	78.0
127	13.9	6.4	9.6#





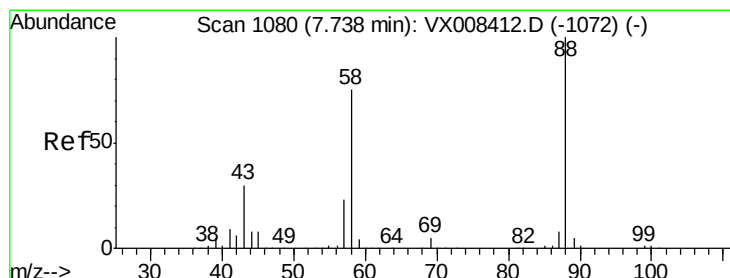
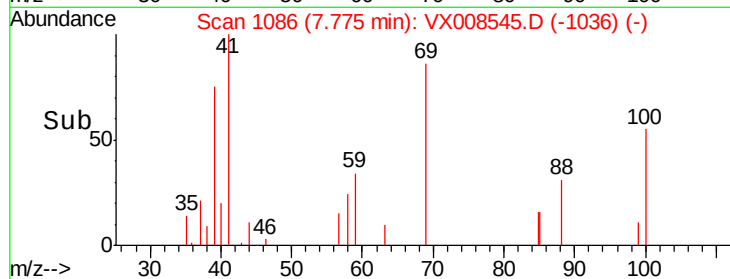
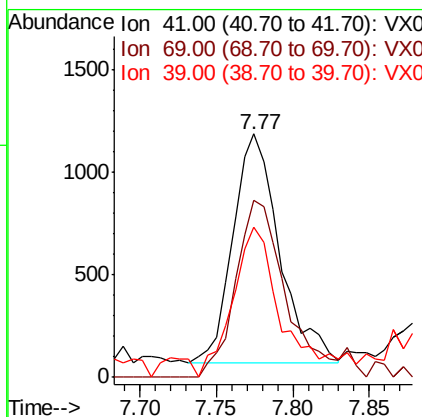
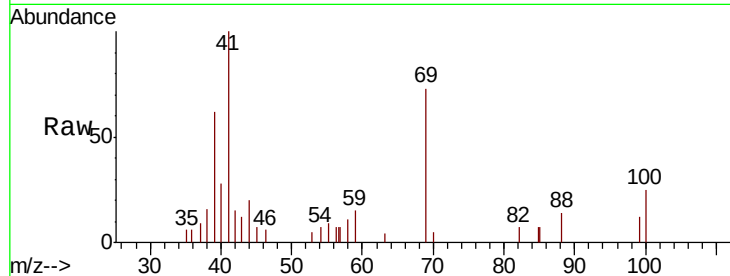
#48
Methvl methacrylate
Concen: 0.640 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
41	100		
69	85.8	60.8	91.2
39	71.0	42.3	63.5#

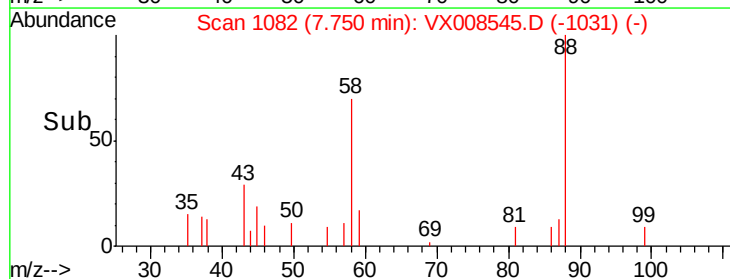
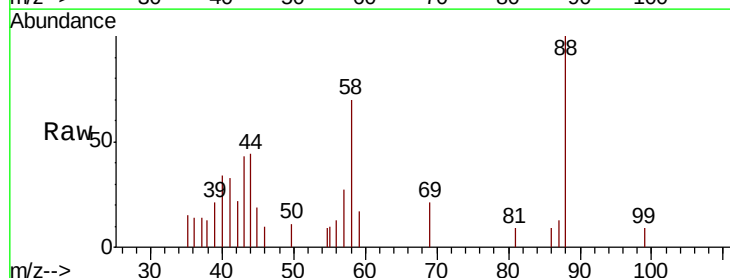
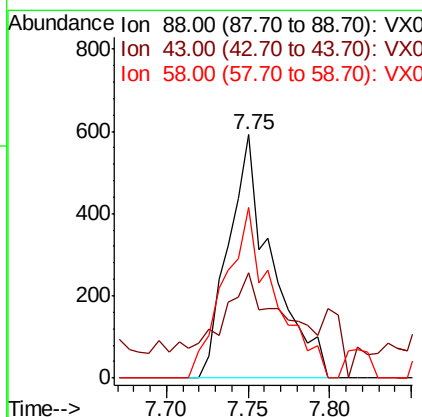
Manual Integrations
APPROVED

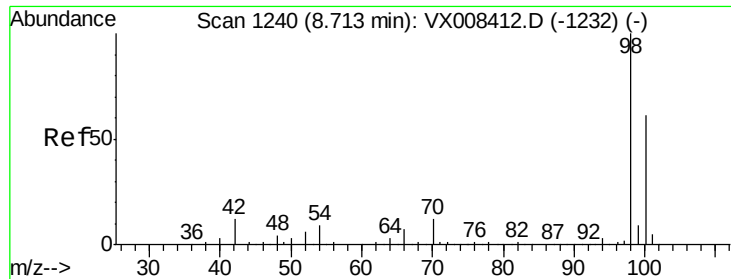
MMDadoda
3/30/2019 9:50:43 AM



#49
1,4-Dioxane
Concen: 15.023 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.6	28.6	43.0
58	80.5	63.0	94.4





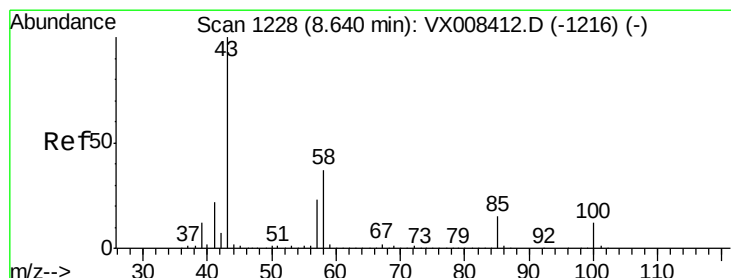
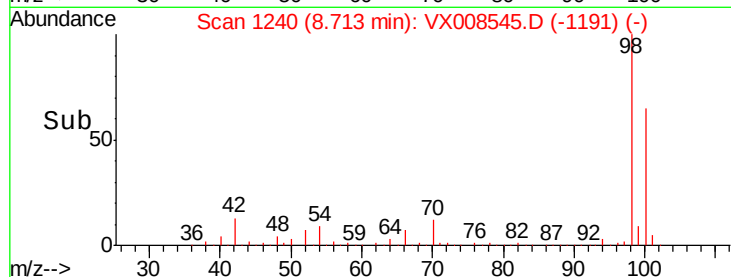
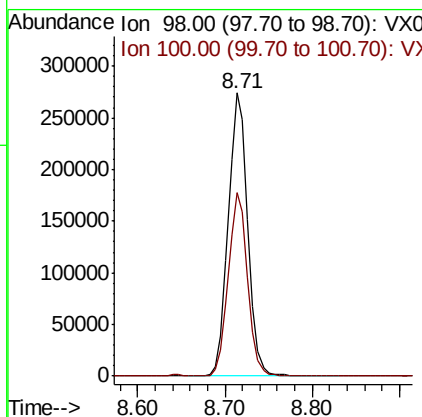
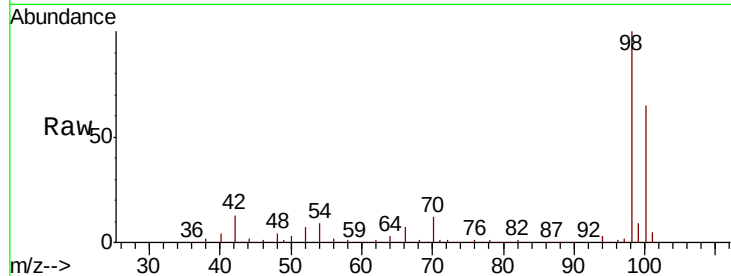
#50
Toluene-d8
Concen: 48.890 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion: 98 Resp: 424227
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

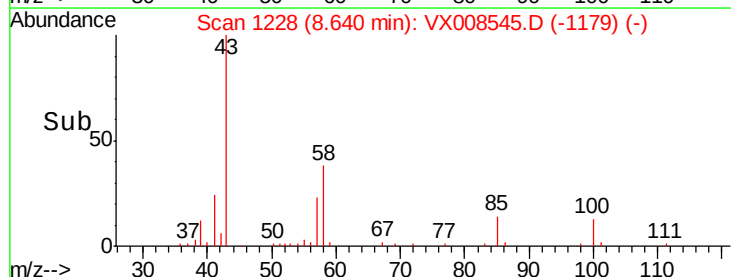
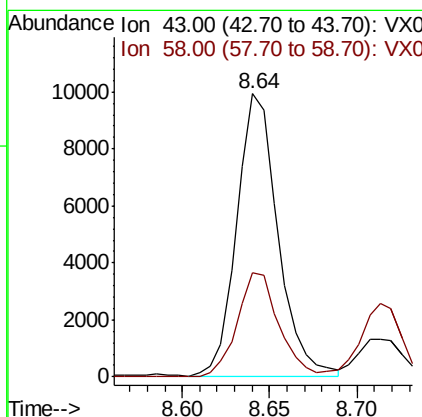
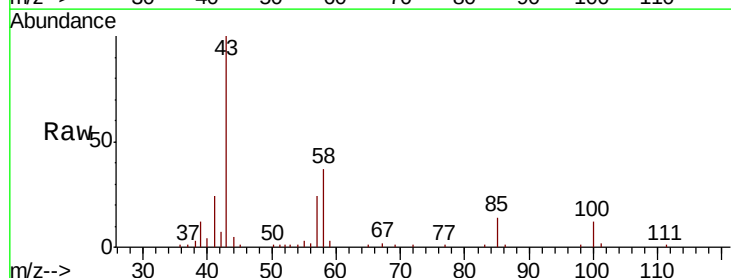
Manual Integrations
APPROVED

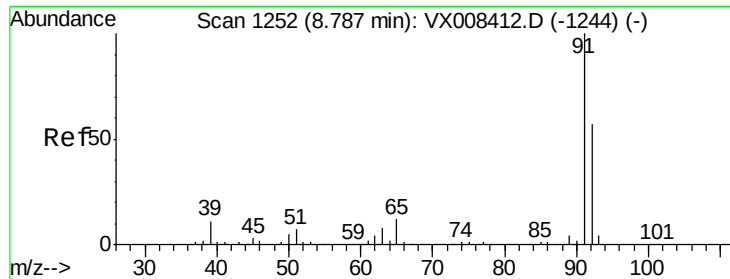
MMDadoda
3/30/2019 9:50:43 AM



#51
4-Methyl-2-Pentanone
Concen: 3.421 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion: 43 Resp: 16337
Ion Ratio Lower Upper
43 100
58 36.8 29.8 44.8





#52

Toluene

Concen: 0.778 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 92 Resp: 4939

Ion Ratio Lower Upper

92 100

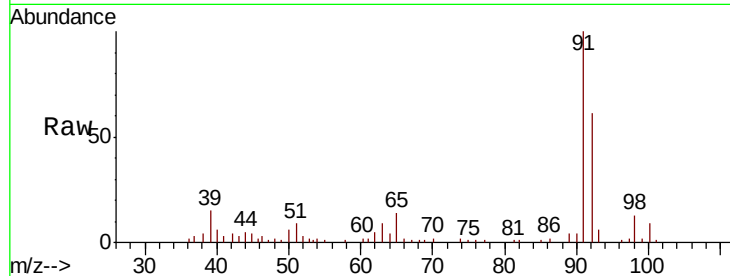
91 175.5 140.2 210.4

Manual Integrations

APPROVED

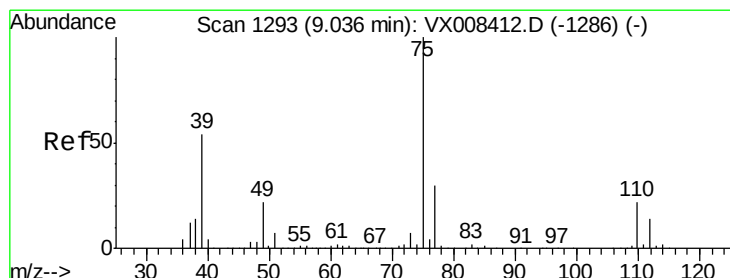
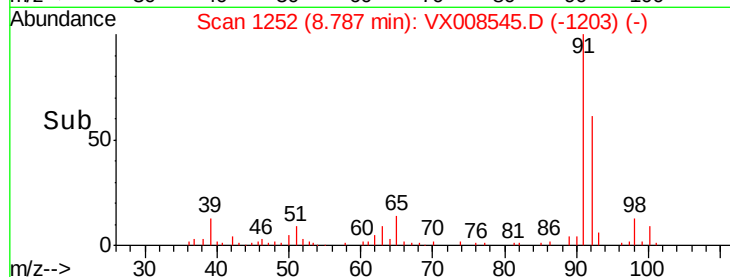
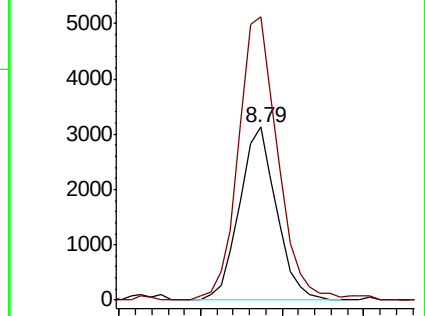
MMDadoda

3/30/2019 9:50:43 AM



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.651 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008545.D

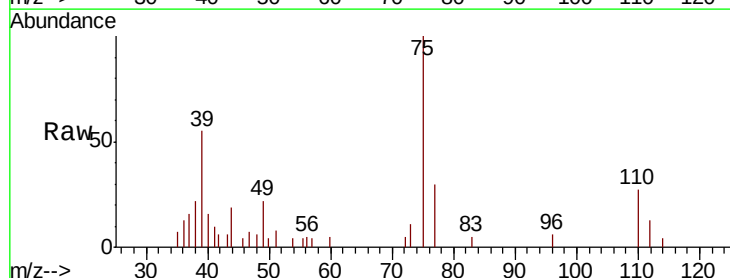
Acq: 29 Mar 2019 15:49

Tgt Ion: 75 Resp: 2405

Ion Ratio Lower Upper

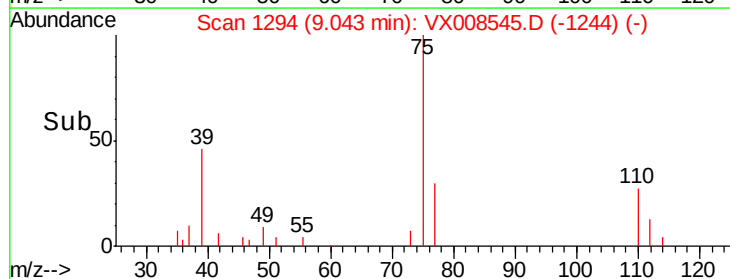
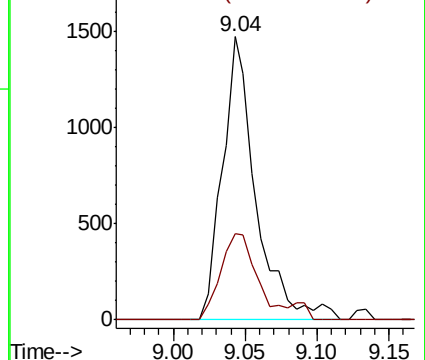
75 100

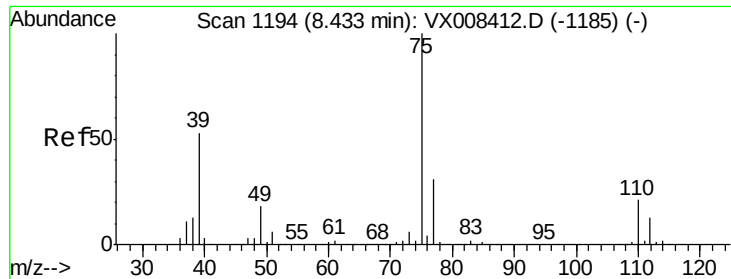
77 30.4 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





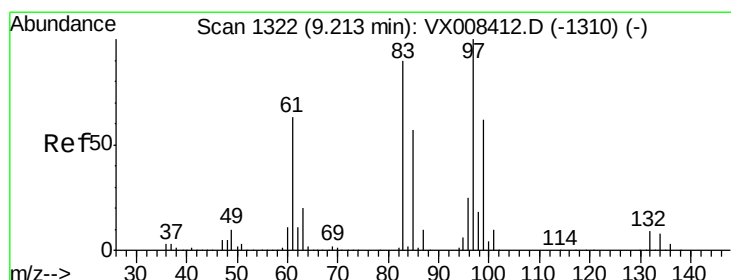
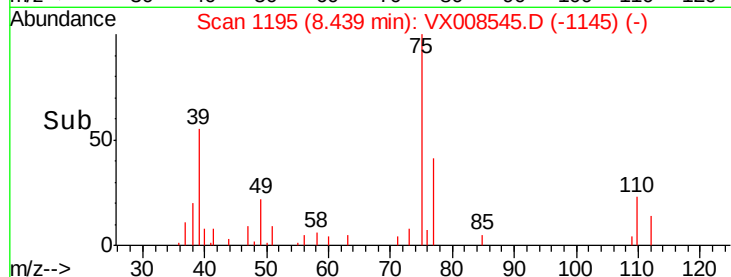
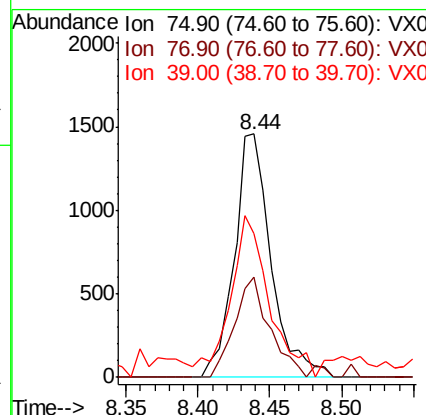
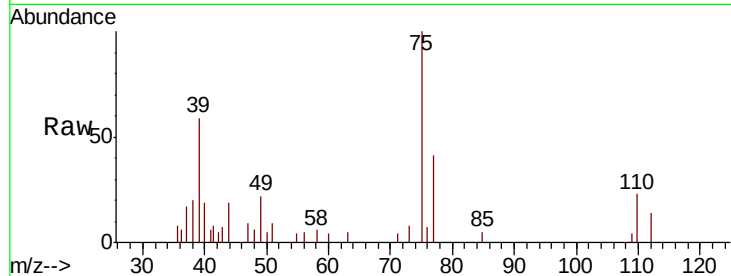
#54
 cis-1,3-Dichloropropene
 Concen: 0.618 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	41.1	24.7	37.1#
39	54.6	42.4	63.6

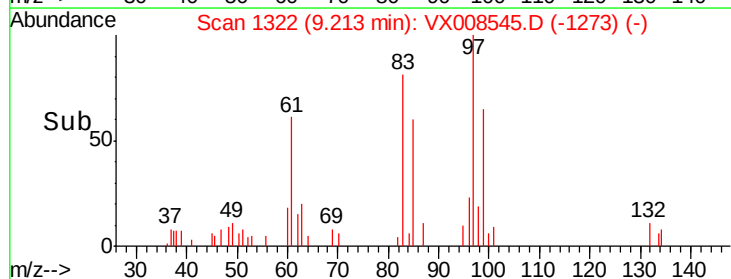
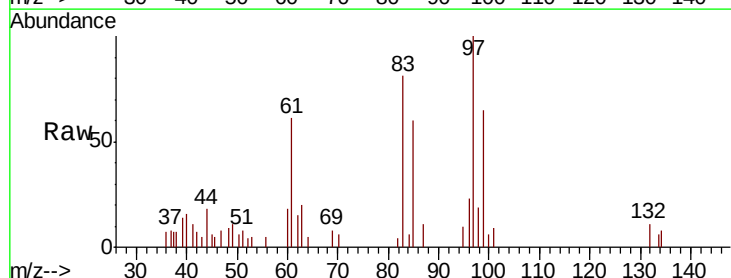
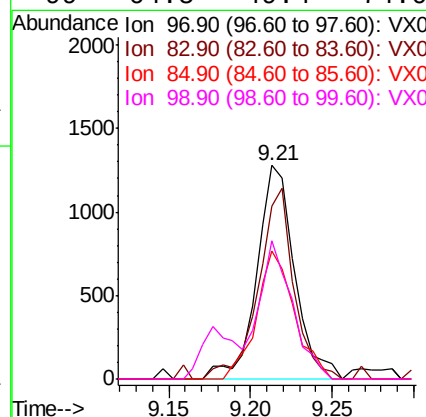
Manual Integrations
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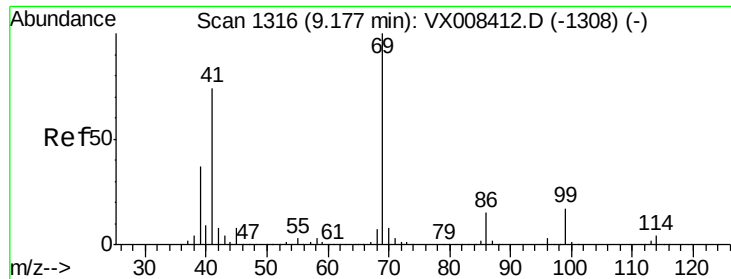
MMDadoda
 3/30/2019 9:50:43 AM



#55
 1,1,2-Trichloroethane
 Concen: 0.797 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.9	71.8	107.6
85	60.0	45.9	68.9
99	64.5	49.4	74.0





#56

Ethyl methacrylate

Concen: 0.700 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

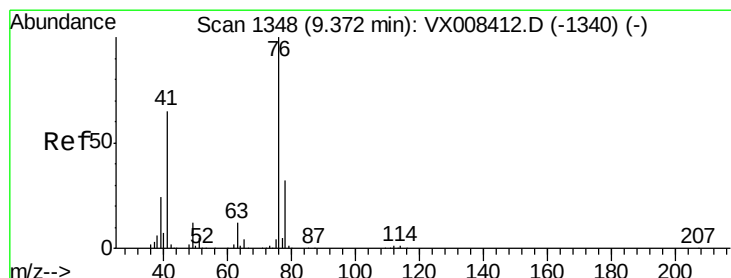
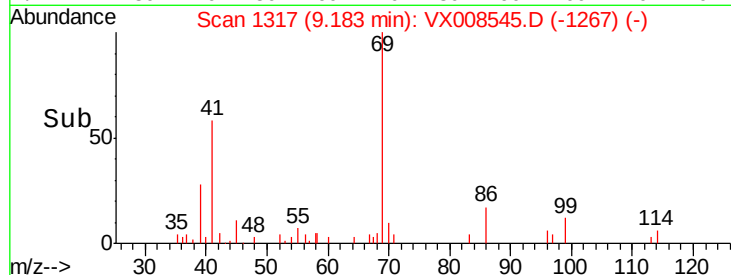
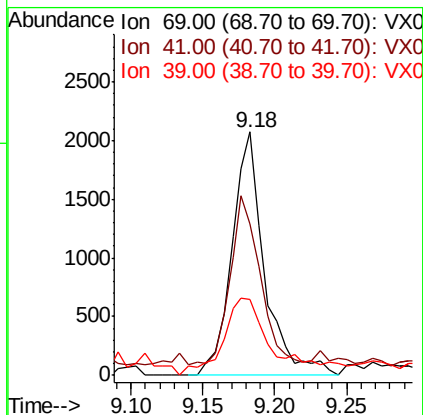
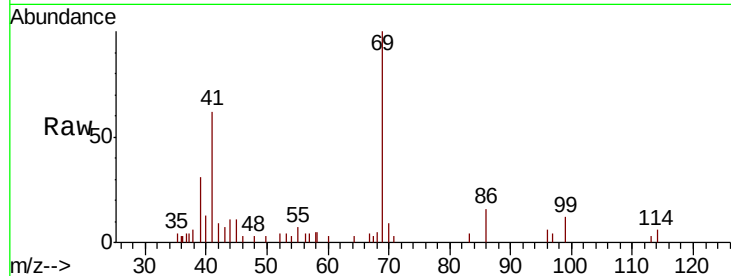
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	69	Resp:	3269
Ion	Ratio	Lower	Upper
69	100		
41	63.0	59.5	89.3
39	49.4	29.3	43.9#

Manual Integrations
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MMDadoda
3/30/2019 9:50:43 AM



#57

1,3-Dichloropropane

Concen: 0.701 ug/l

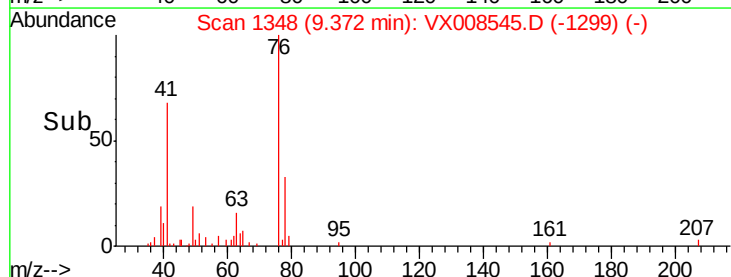
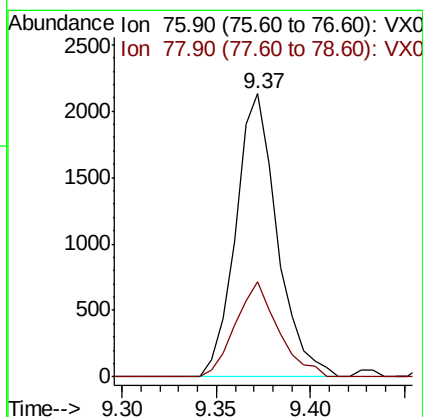
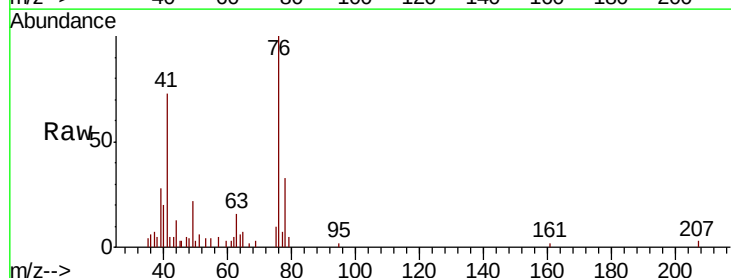
RT: 9.37 min Scan# 1348

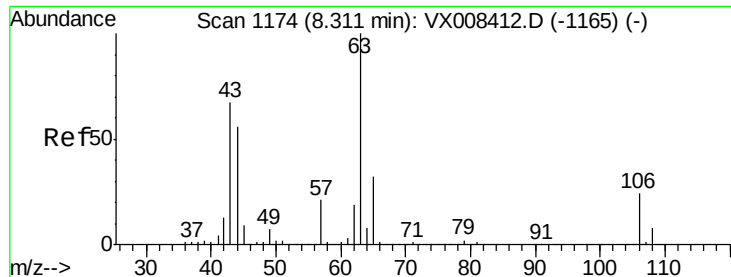
Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	76	Resp:	3252
Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.8	38.8





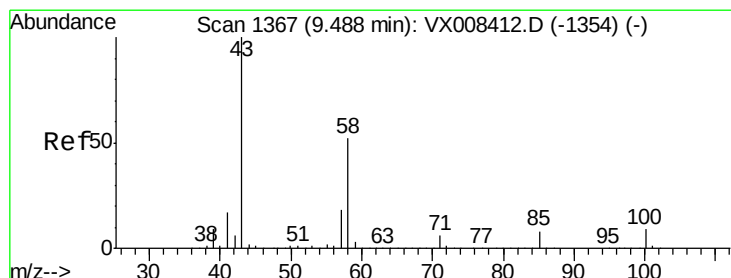
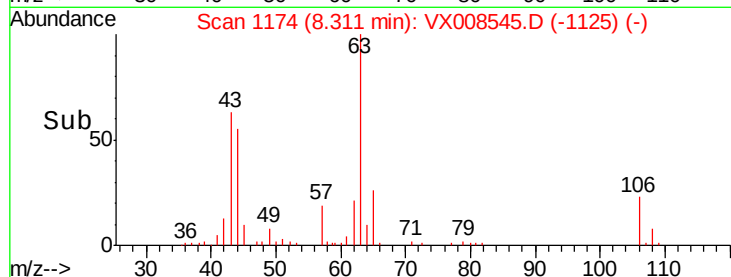
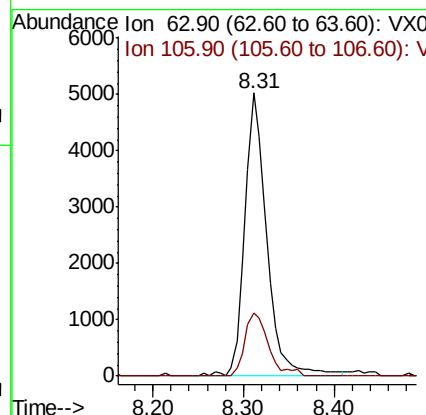
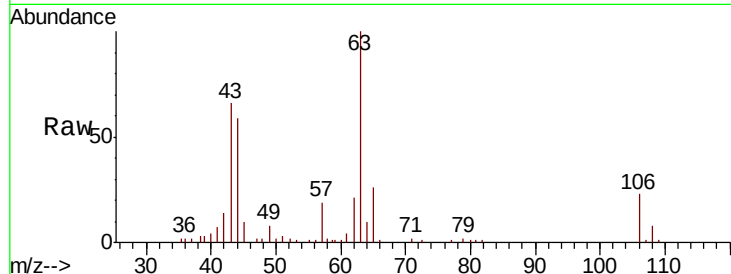
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.520 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion: 63 Resp: 8492
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.0 28.6

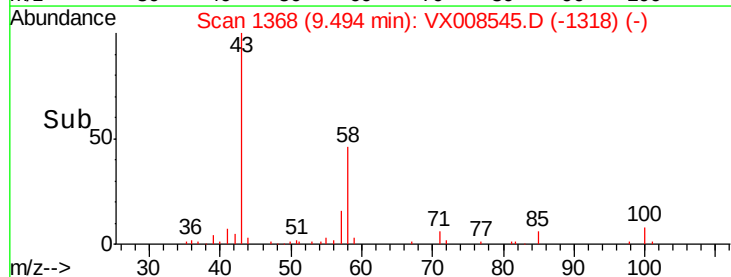
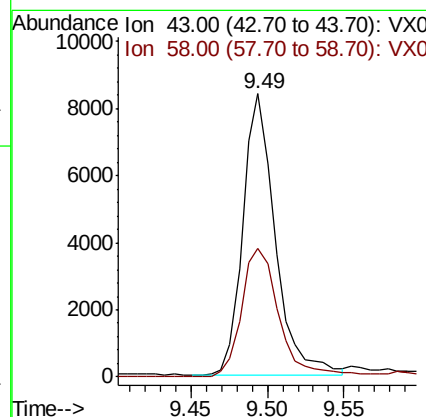
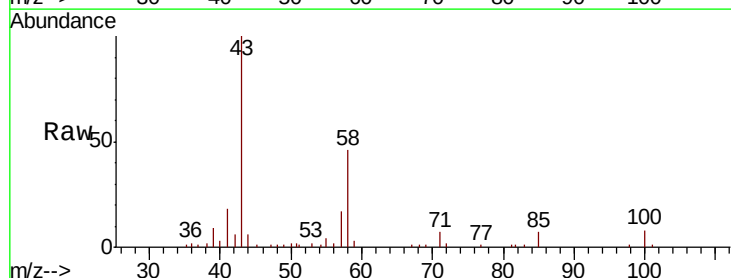
Manual Integrations
 APPROVED

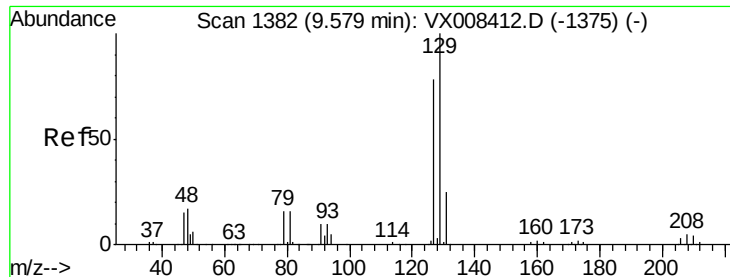
MMDadoda
 3/30/2019 9:50:43 AM



#59
 2-Hexanone
 Concen: 3.322 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion: 43 Resp: 12292
 Ion Ratio Lower Upper
 43 100
 58 53.5 26.3 78.9





#60

Dibromochloromethane

Concen: 0.617 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 1517

Ion Ratio Lower Upper

129 100

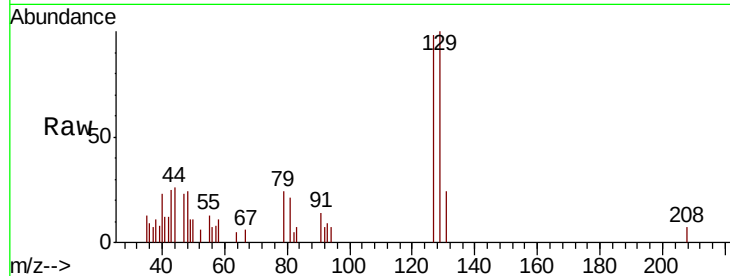
127 82.9 38.1 114.3

Manual Integrations

APPROVED

MMDadoda

3/30/2019 9:50:43 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

1000

800

600

400

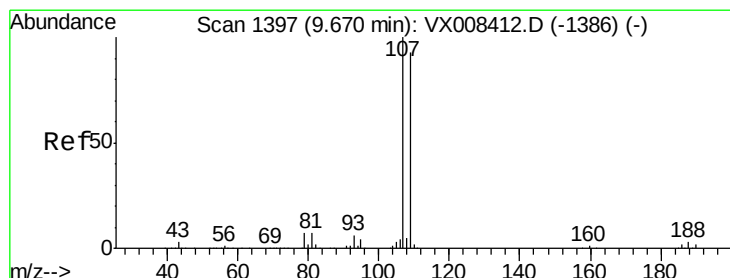
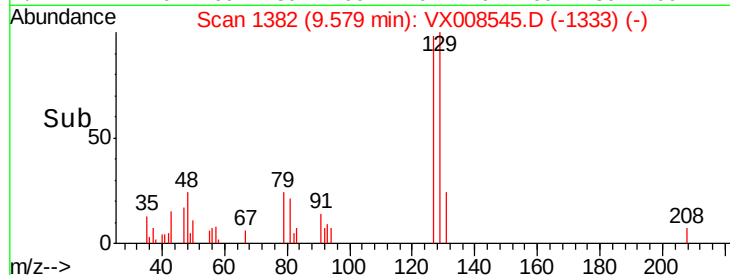
200

0

9.55

9.60

Time-->



#61

1,2-Dibromoethane

Concen: 0.688 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008545.D

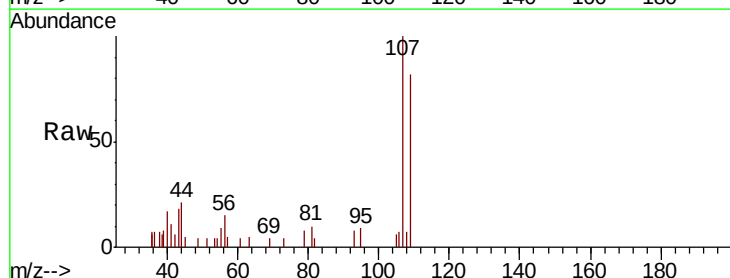
Acq: 29 Mar 2019 15:49

Tgt Ion:107 Resp: 1816

Ion Ratio Lower Upper

107 100

109 95.7 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

1500

1000

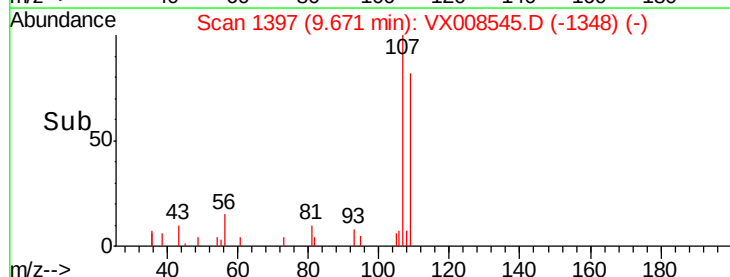
500

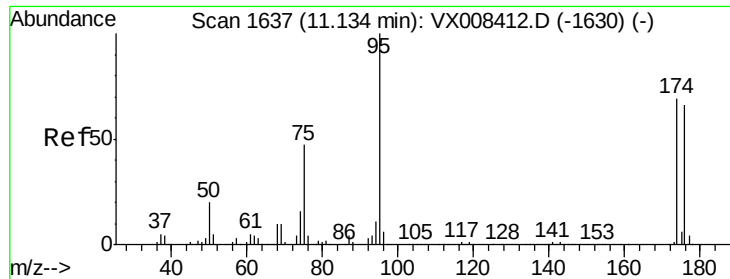
0

9.65

9.70

Time-->





#62

4-Bromofluorobenzene

Concen: 47.453 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

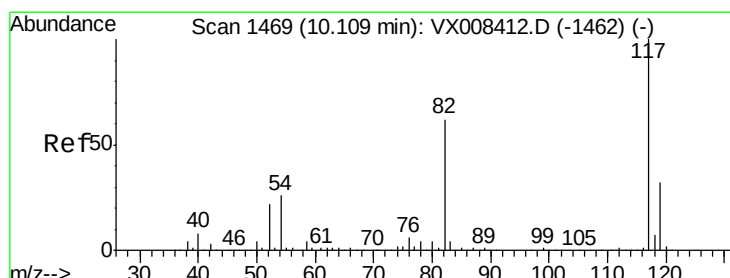
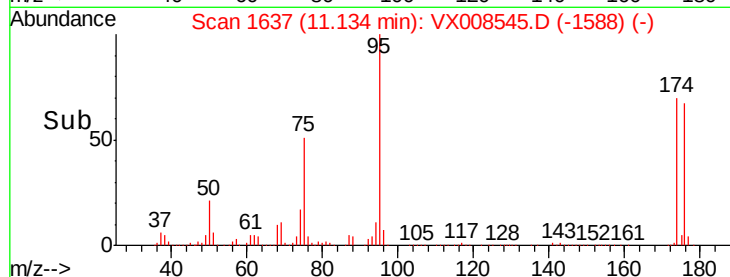
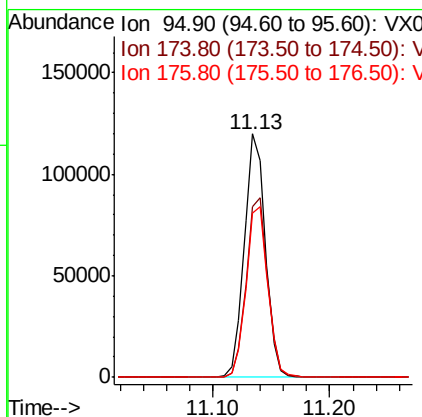
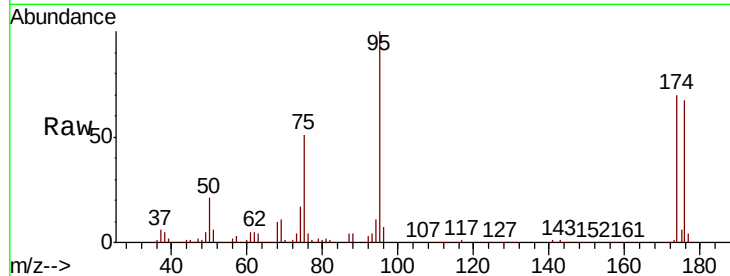
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	95	Resp:	152584
Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	147.2
176	72.0	0.0	142.4

Manual Integrations
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3/30/2019 9:50:43 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

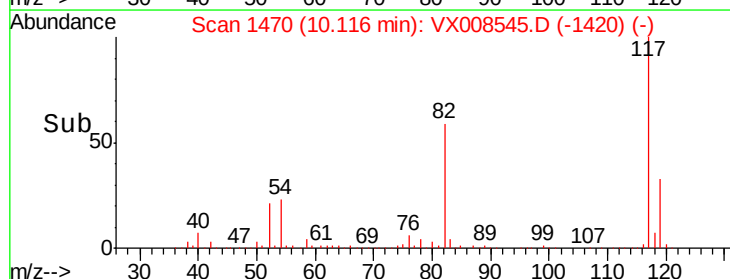
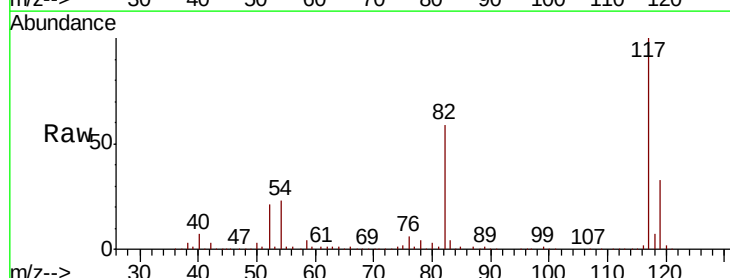
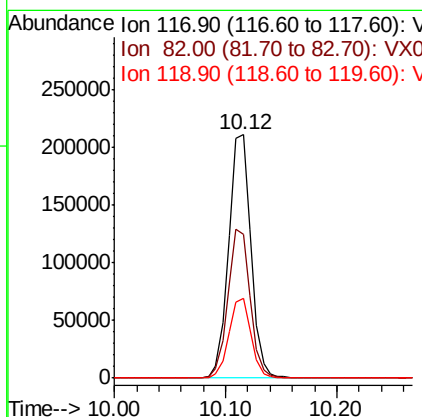
RT: 10.12 min Scan# 1470

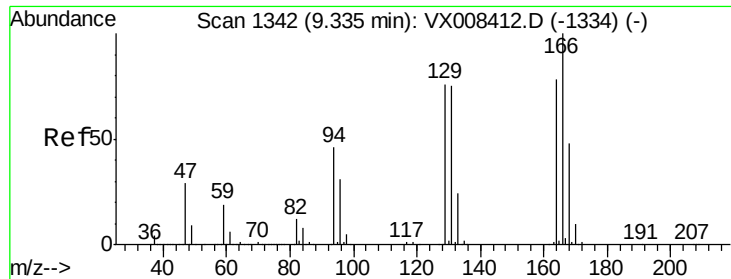
Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	117	Resp:	293224
Ion	Ratio	Lower	Upper
117	100		
82	59.1	49.4	74.2
119	32.8	25.4	38.0





#64

Tetrachloroethene

Concen: 0.797 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:164 Resp: 1583

Ion Ratio Lower Upper

164 100

166 108.8 102.5 153.7

129 106.3 77.8 116.8

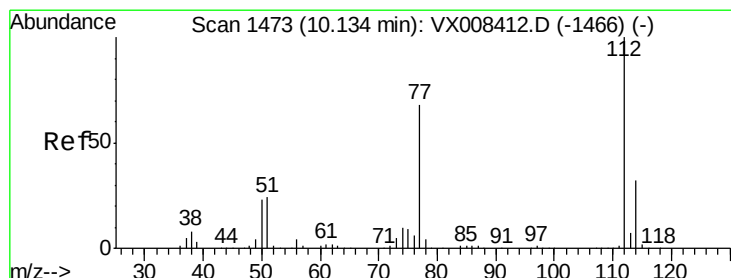
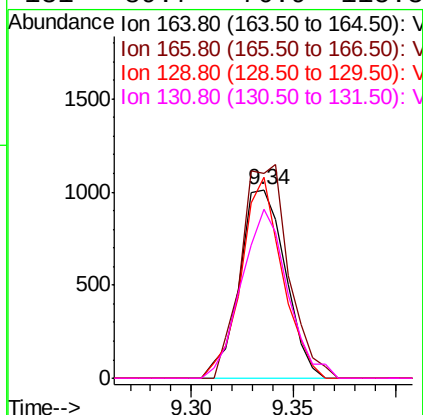
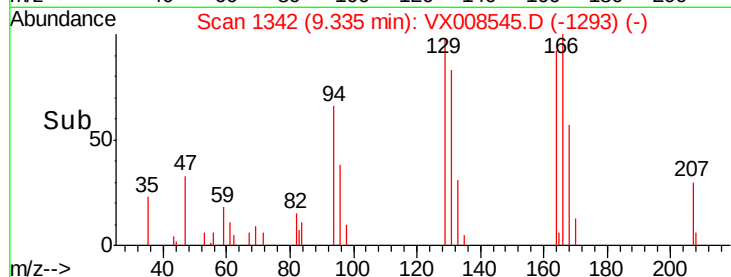
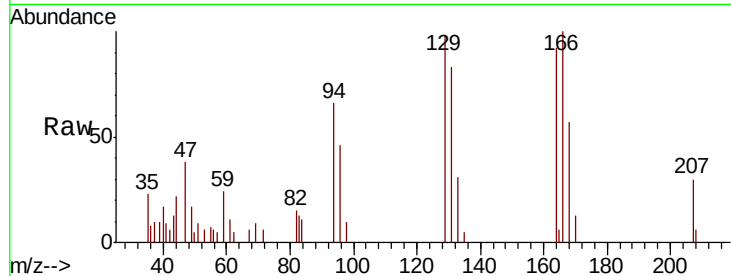
131 89.7 76.9 115.3

Manual Integrations

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3/30/2019 9:50:43 AM



#65

Chlorobenzene

Concen: 0.705 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX008545.D

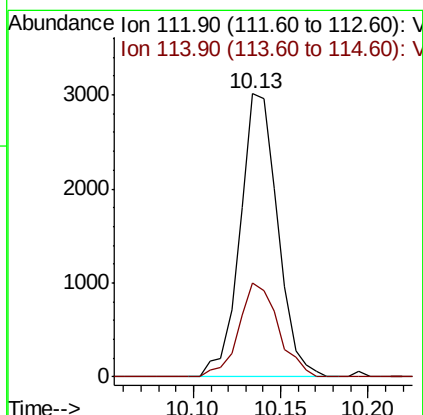
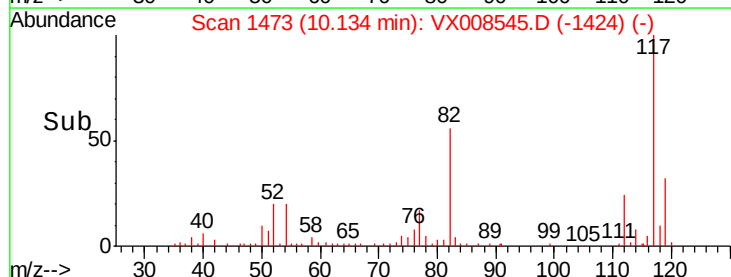
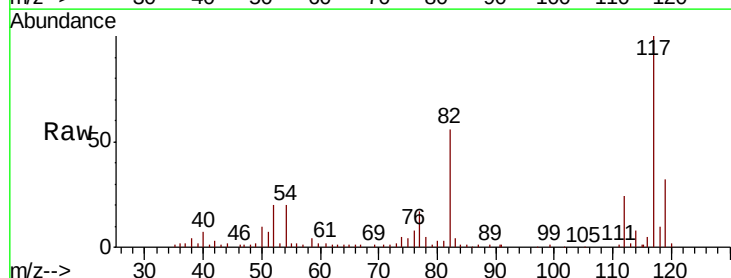
Acq: 29 Mar 2019 15:49

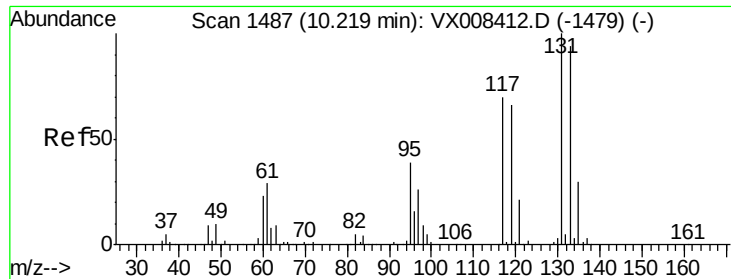
Tgt Ion:112 Resp: 4498

Ion Ratio Lower Upper

112 100

114 33.2 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 0.670 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

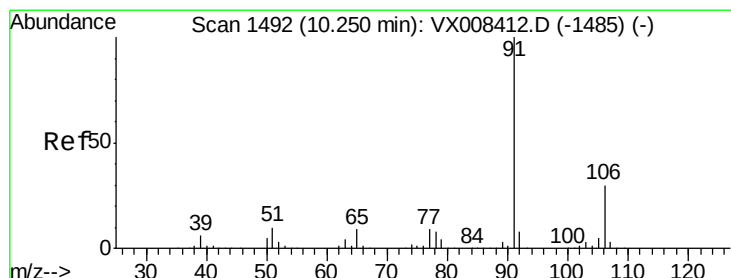
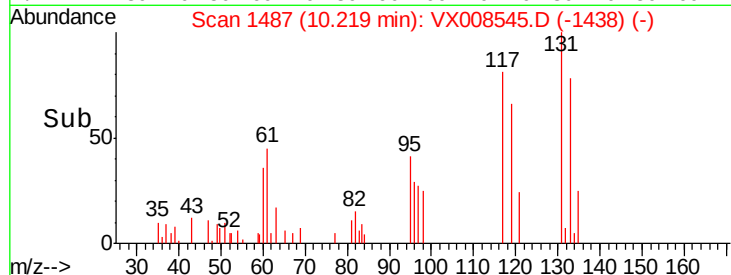
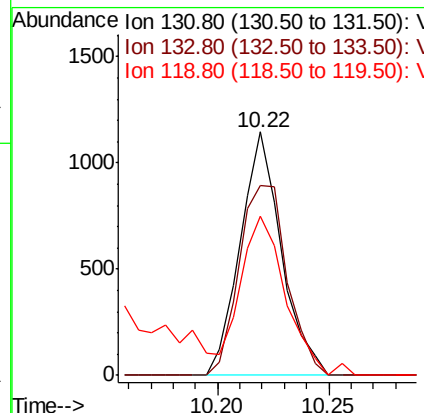
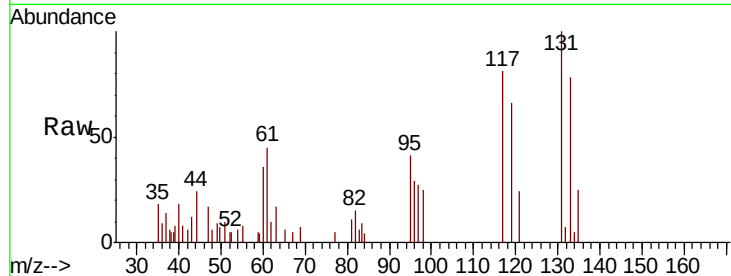
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
131	100		
133	91.1	47.3	141.8
119	0.0	33.6	100.6#

Manual Integrations
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3/30/2019 9:50:43 AM



#67

Ethyl Benzene

Concen: 0.737 ug/l

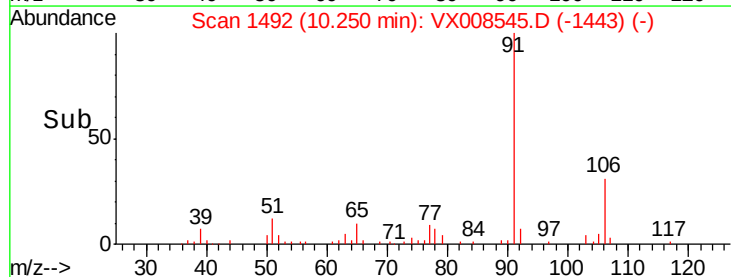
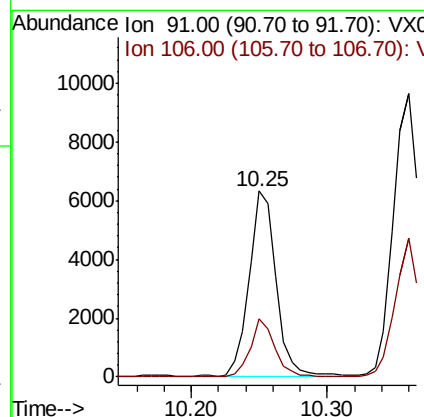
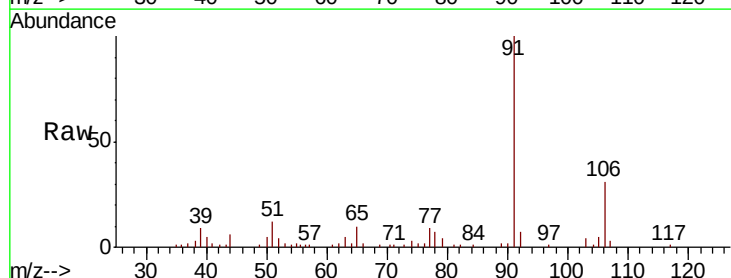
RT: 10.25 min Scan# 1492

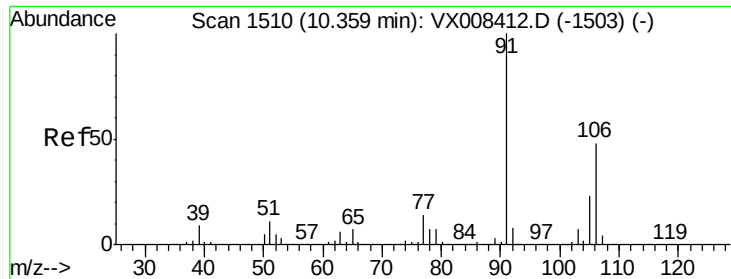
Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.0	36.0





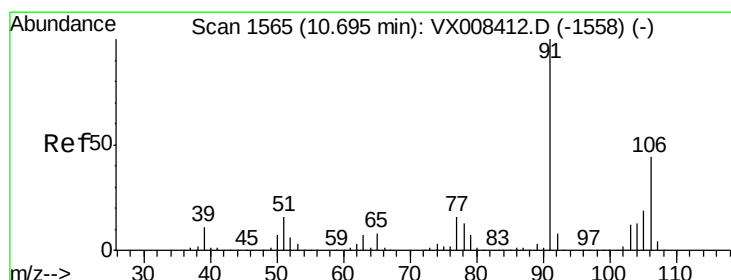
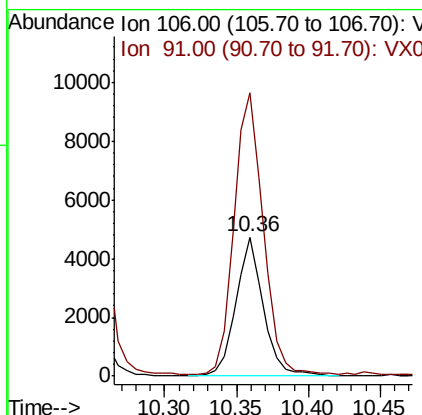
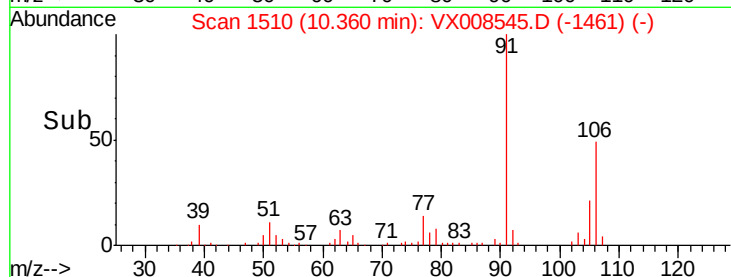
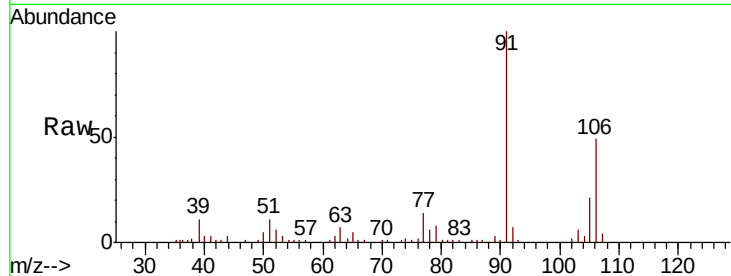
#68
m/p-Xylenes
Concen: 1.439 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion:106 Resp: 6299
Ion Ratio Lower Upper
106 100
91 215.1 168.6 253.0

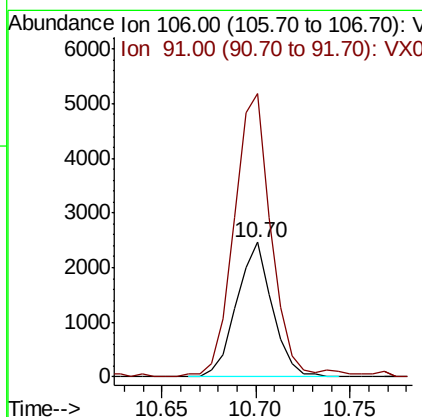
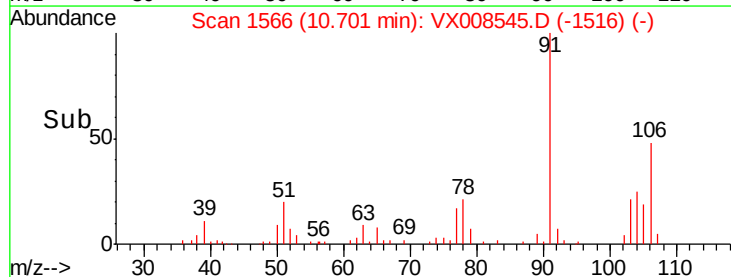
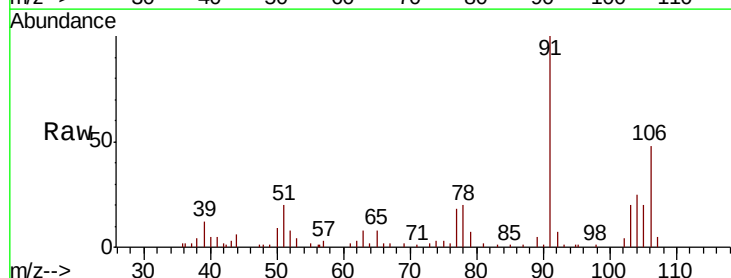
Manual Integrations
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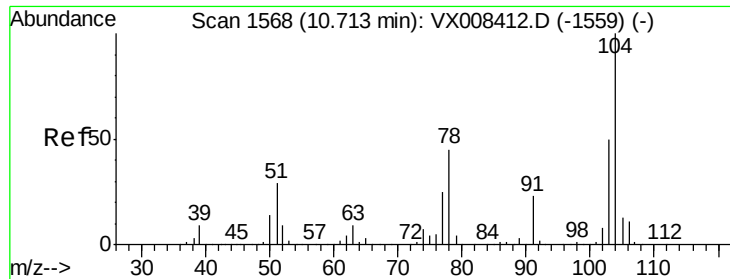
MMDadoda
3/30/2019 9:50:43 AM



#69
o-Xylene
Concen: 0.760 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion:106 Resp: 3229
Ion Ratio Lower Upper
106 100
91 221.8 111.4 334.2





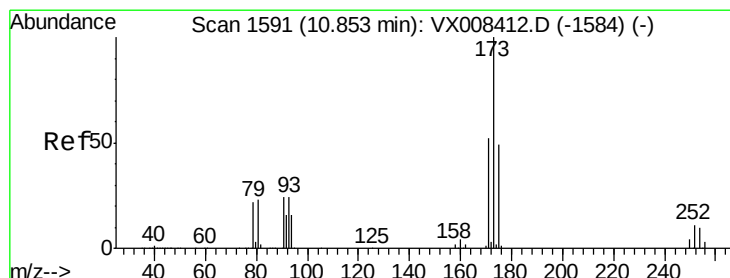
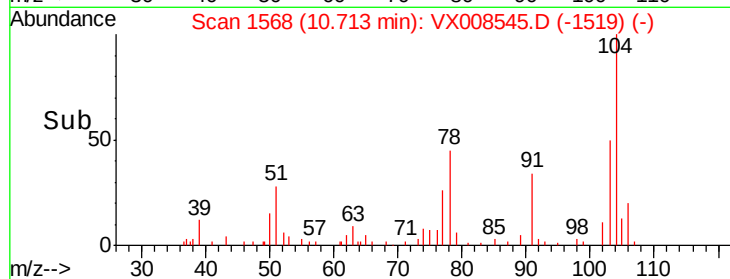
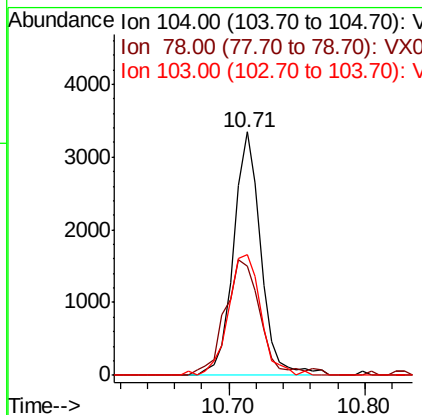
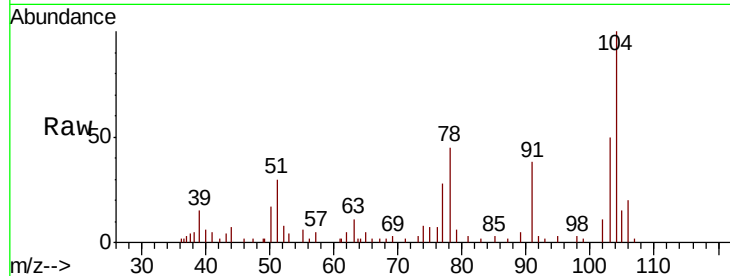
#70
Stvrene
Concen: 0.640 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.5	42.5	63.7
103	58.6	44.2	66.4

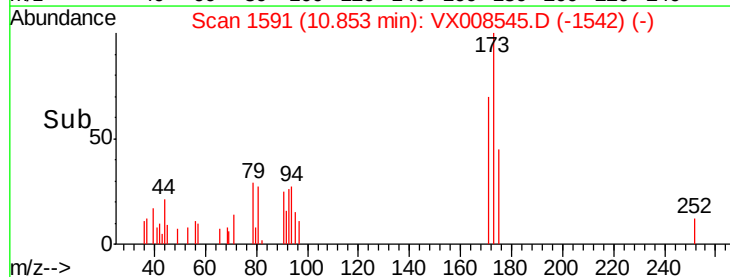
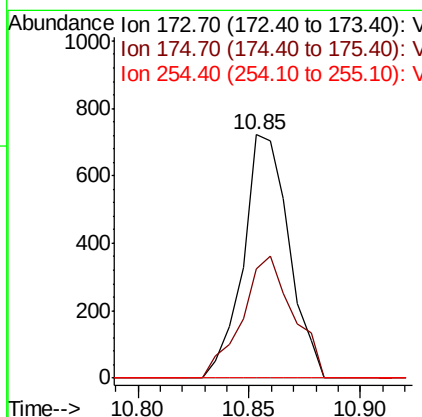
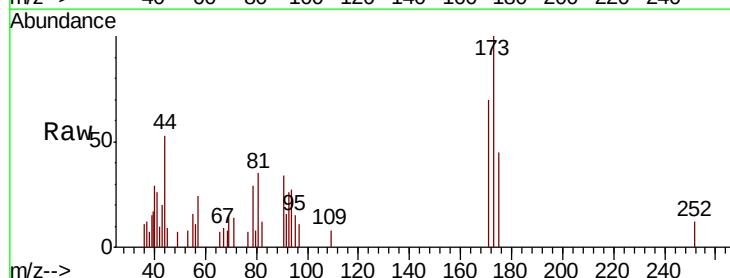
Manual Integrations
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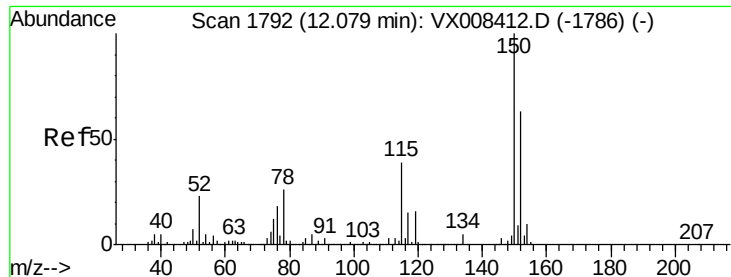
MMDadoda
3/30/2019 9:50:43 AM



#71
Bromoform
Concen: 0.595 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	55.7	24.3	72.8
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

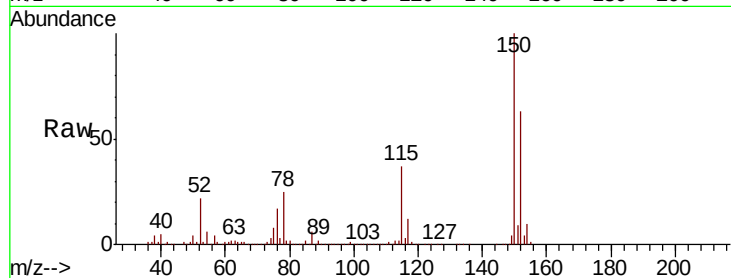
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

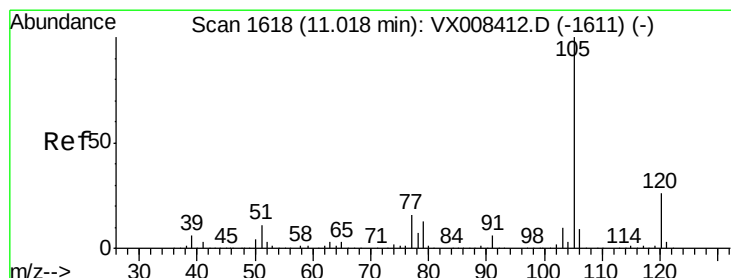
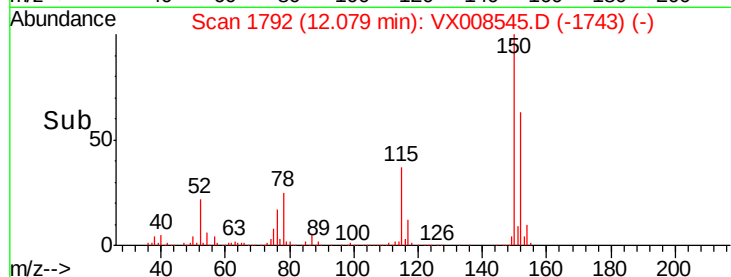
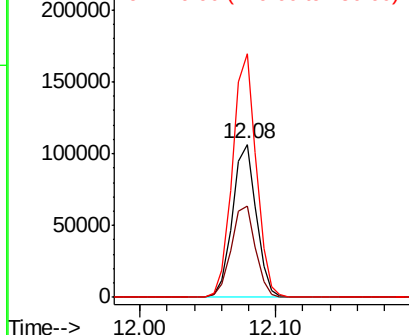
Tot Ion:	152	Resp:	129343
Ion Ratio	Lower	Upper	
152	100		
115	61.5	43.5	130.5
150	158.4	0.0	348.8

Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.741 ug/l

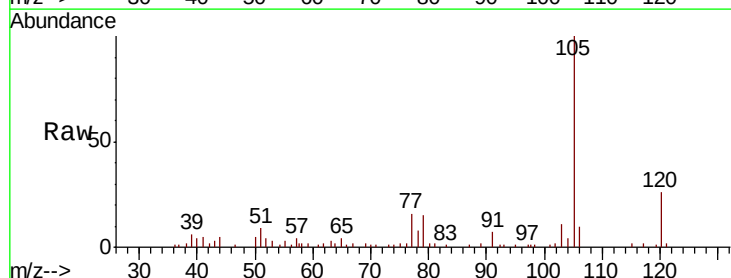
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

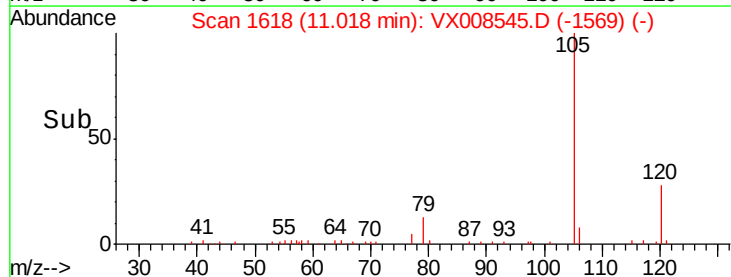
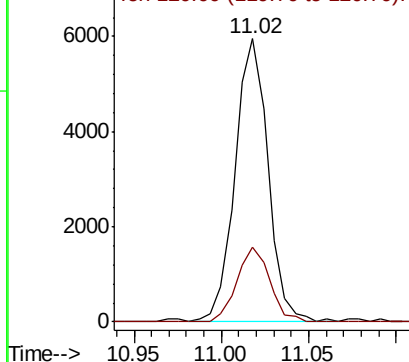
Lab File: VX008545.D

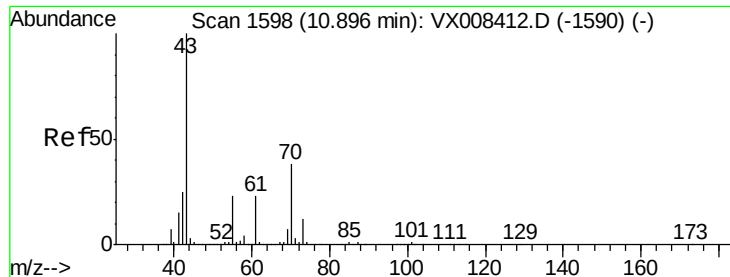
Acq: 29 Mar 2019 15:49

Tgt Ion:	105	Resp:	7799
Ion Ratio	Lower	Upper	
105	100		
120	26.3	12.9	38.7



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





#74

N-amvl acetate

Concen: 0.673 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

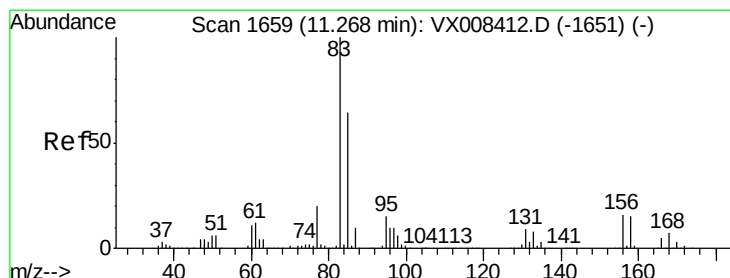
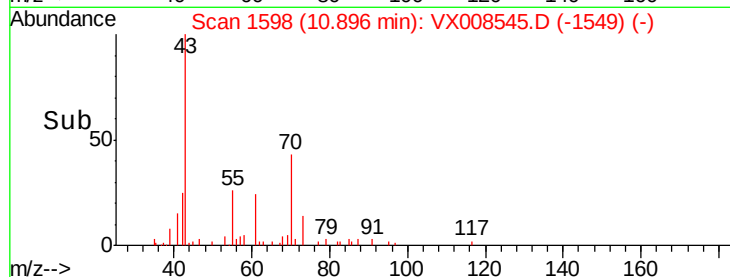
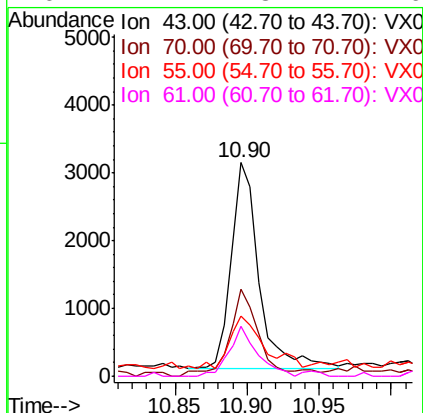
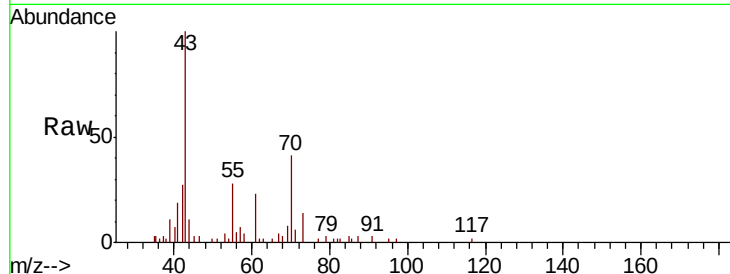
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion	43	Resp	4100
Ion	Ratio	Lower	Upper
43	100		
70	43.5	30.5	45.7
55	30.6	18.2	27.2
61	24.4	18.4	27.6

Manual Integrations
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3/30/2019 9:50:43 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 0.790 ug/l

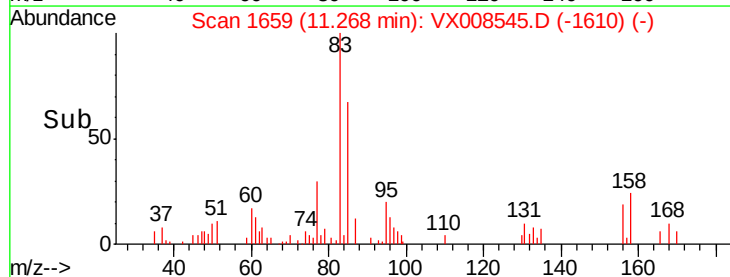
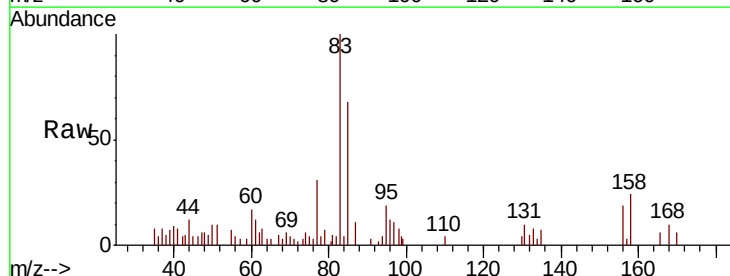
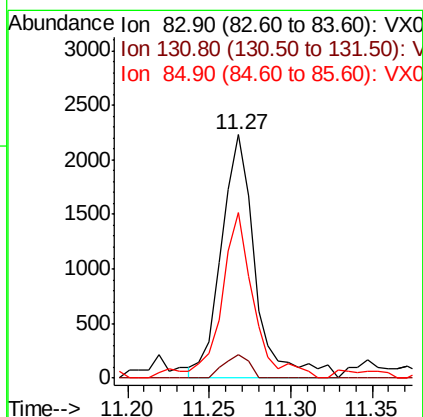
RT: 11.27 min Scan# 1659

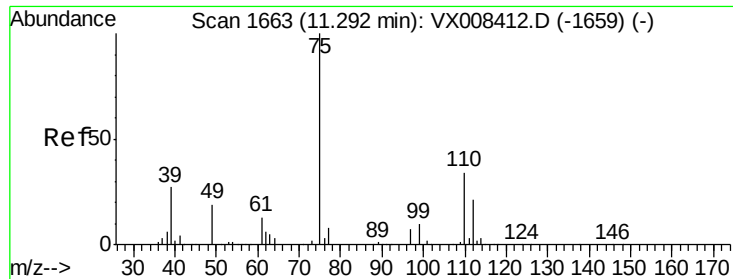
Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion	83	Resp	3224
Ion	Ratio	Lower	Upper
83	100		
131	7.1	4.5	13.4
85	65.8	31.9	95.9





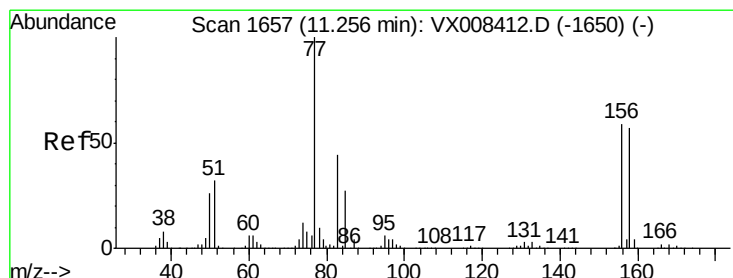
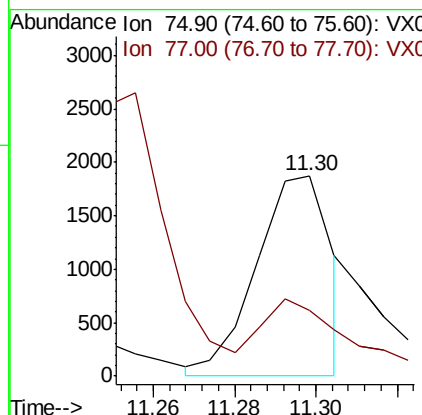
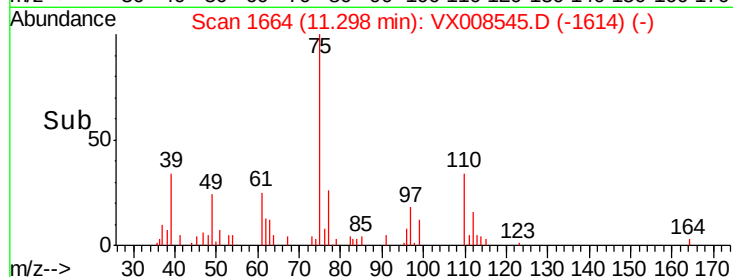
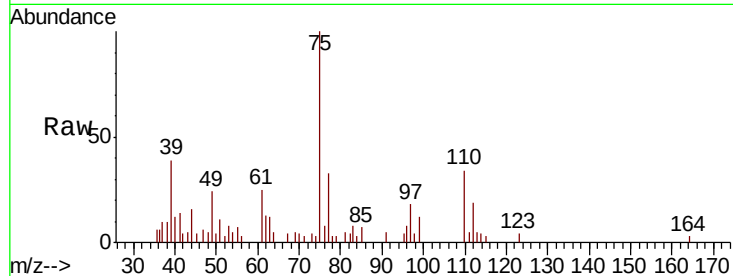
#76
 1,2,3-Trichloropropane
 Concen: 0.626 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion: 75 Resp: 2406
 Ion Ratio Lower Upper
 75 100
 77 45.9 21.9 65.7

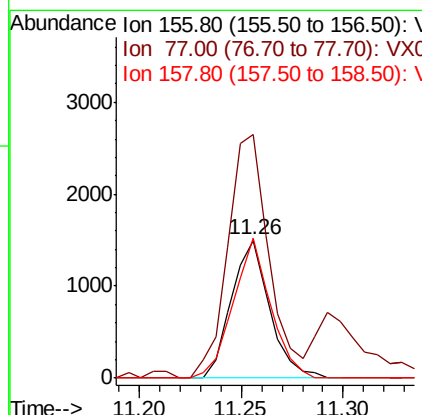
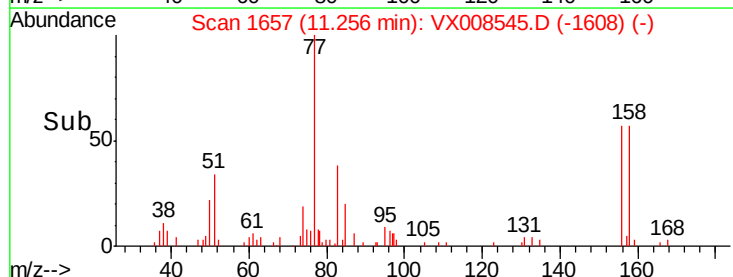
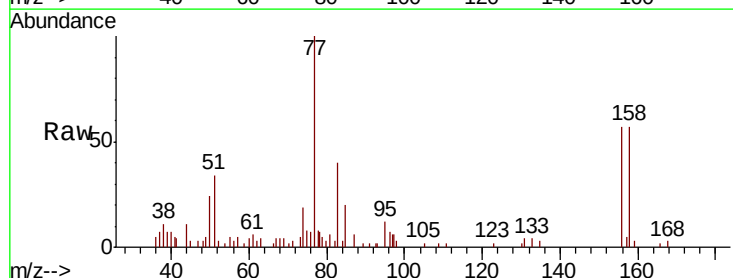
Manual Integrations
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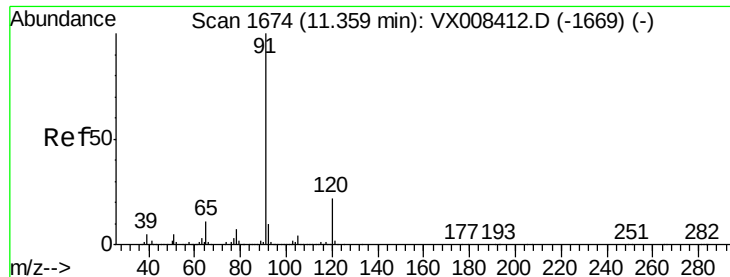
MMDadoda
 3/30/2019 9:50:43 AM



#77
 Bromobenzene
 Concen: 0.762 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion: 156 Resp: 1945
 Ion Ratio Lower Upper
 156 100
 77 189.1 91.1 273.3
 158 99.5 48.3 144.8





#78

n-propylbenzene

Concen: 0.713 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 8794

Ion Ratio Lower Upper

91 100

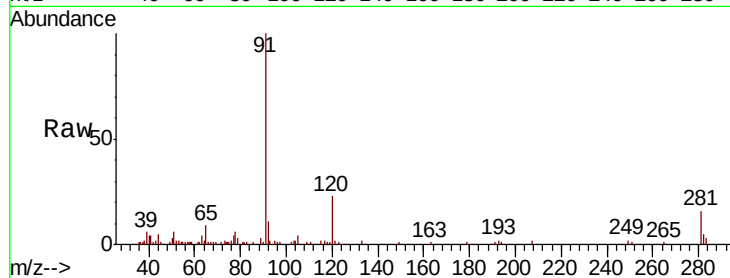
120 22.8 10.8 32.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

8000

6000

4000

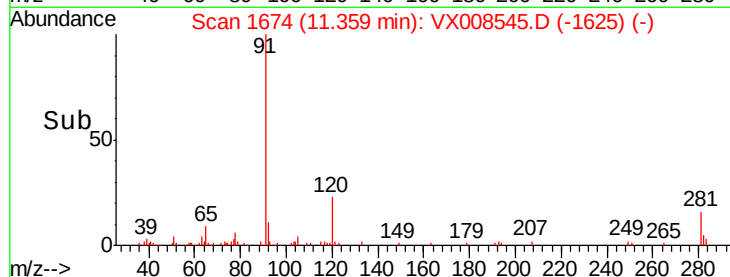
2000

0

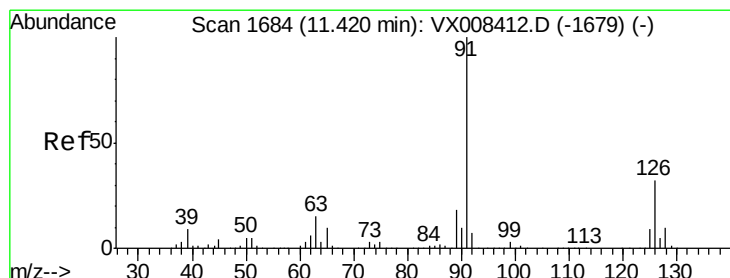
11.30

11.35

11.40



Time-->



#79

2-Chlorotoluene

Concen: 0.752 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008545.D

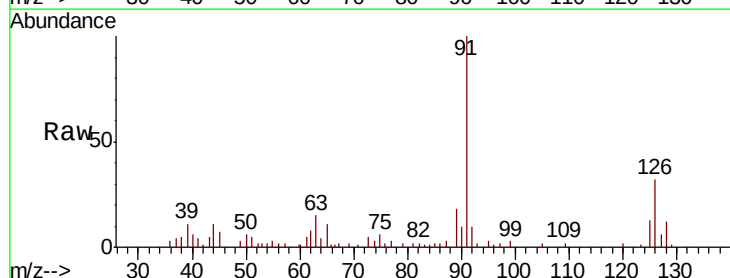
Acq: 29 Mar 2019 15:49

Tgt Ion: 91 Resp: 5636

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

8000

6000

4000

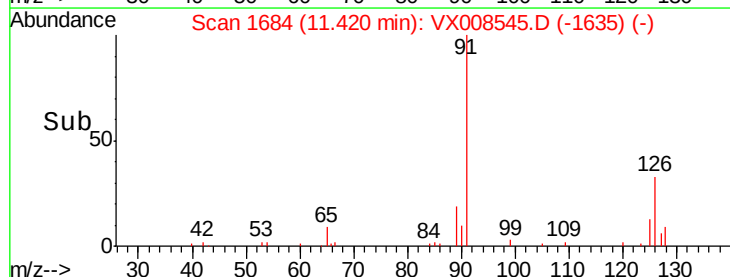
2000

0

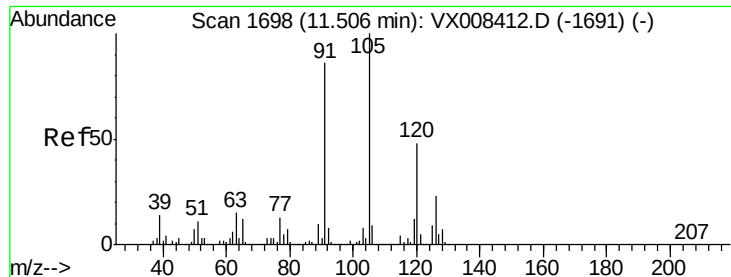
11.40

11.42

11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.775 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 6893

Ion Ratio Lower Upper

105 100

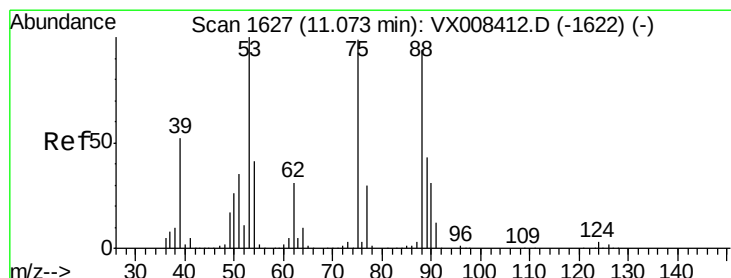
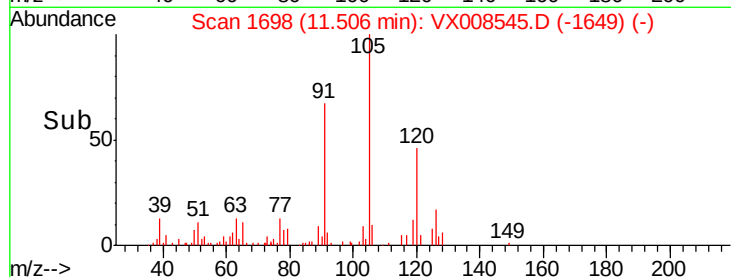
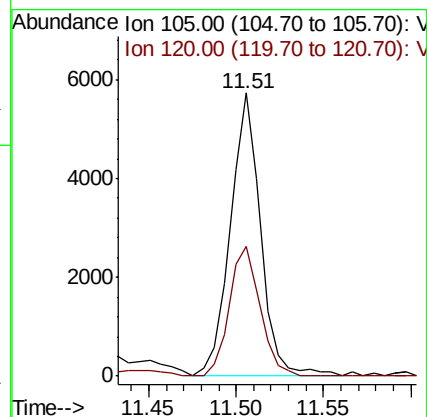
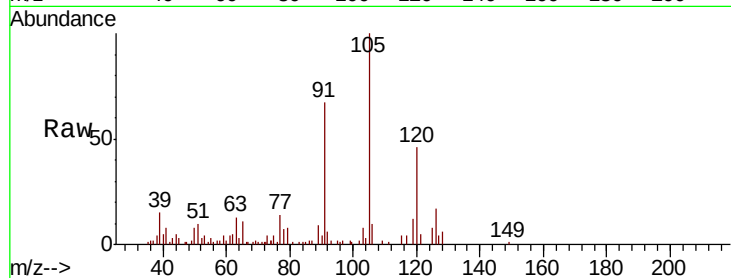
120 46.5 23.4 70.3

Manual Integrations

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3/30/2019 9:50:43 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 0.565 ug/l m

RT: 11.07 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

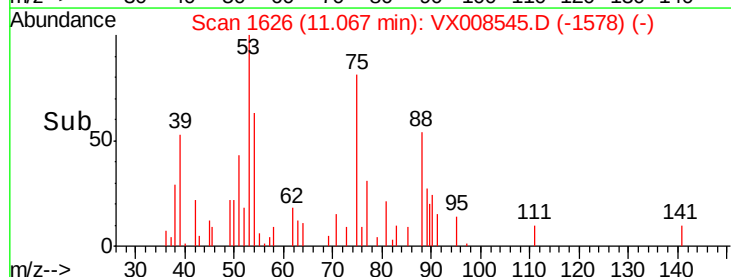
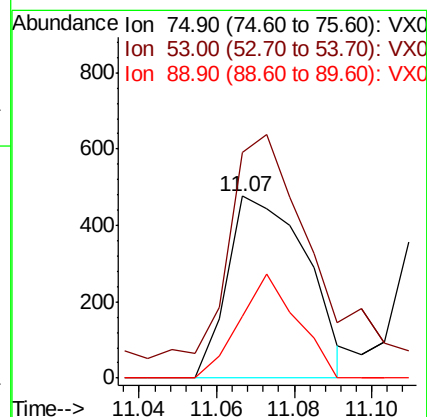
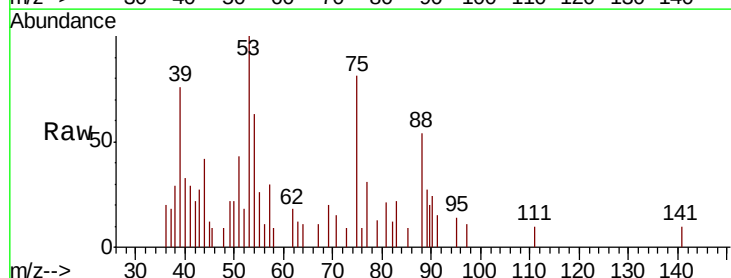
Tgt Ion: 75 Resp: 678

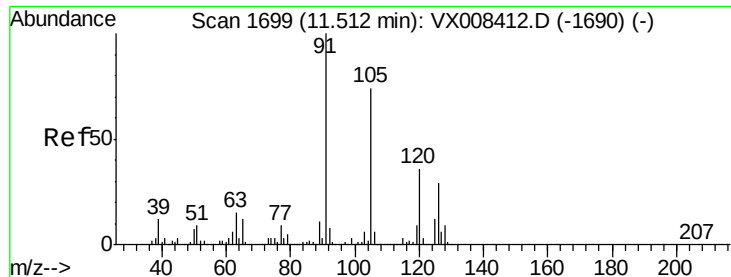
Ion Ratio Lower Upper

75 100

53 0.0 82.1 123.1#

89 0.0 34.6 52.0#





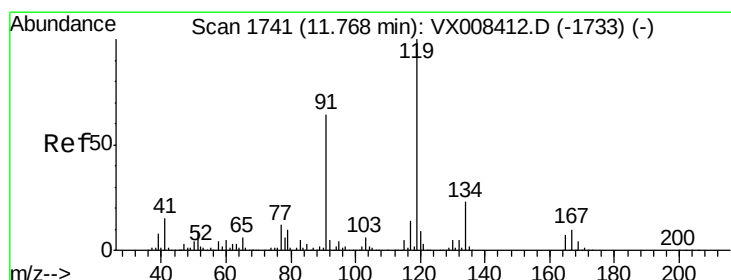
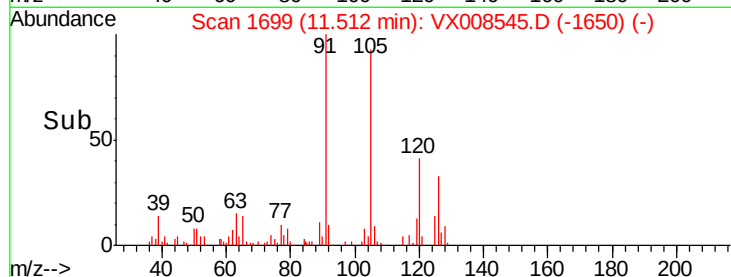
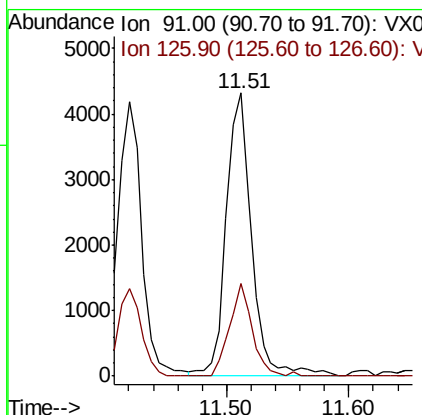
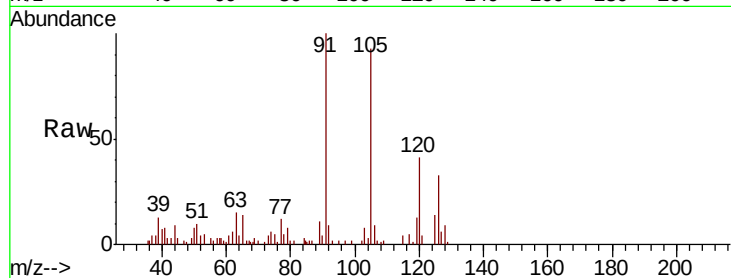
#82
4-Chlorotoluene
Concen: 0.718 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.2	13.9	41.7

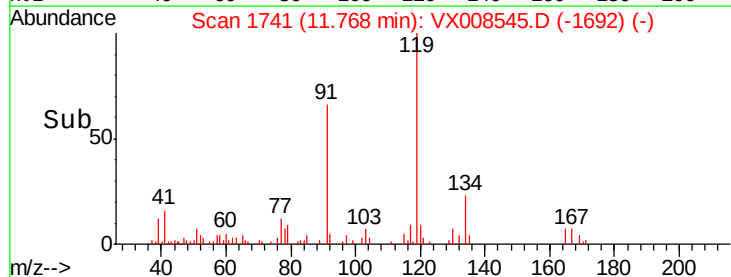
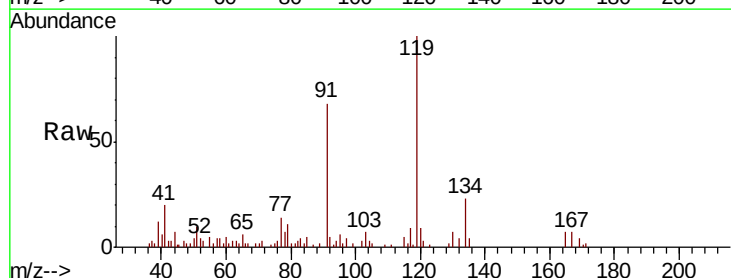
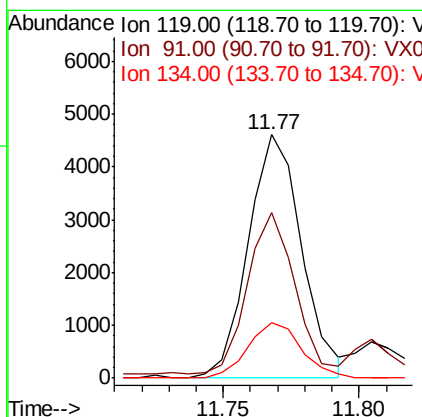
Manual Integrations
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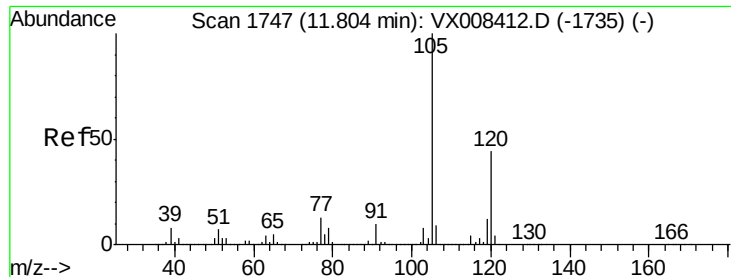
MMDadoda
3/30/2019 9:50:43 AM



#83
tert-Butylbenzene
Concen: 0.731 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.1	90.3
134	22.9	10.9	32.9





#84

1,2,4-Trimethylbenzene

Concen: 0.769 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 6916

Ion Ratio Lower Upper

105 100

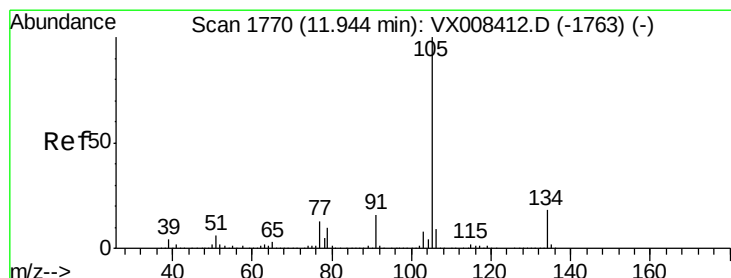
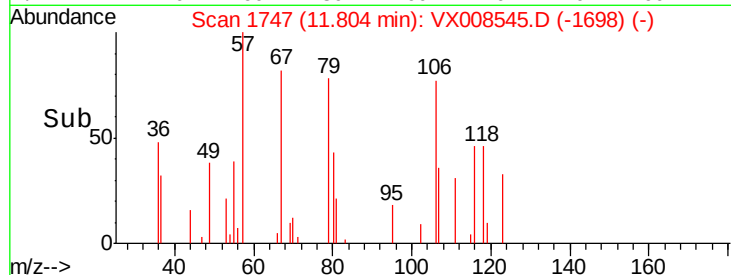
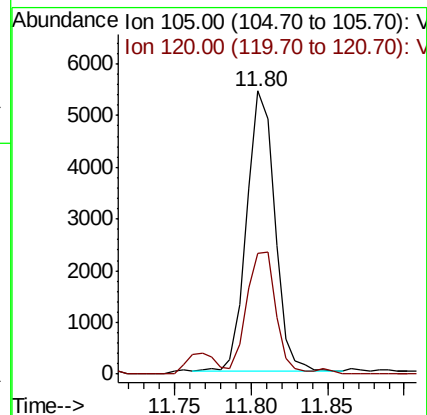
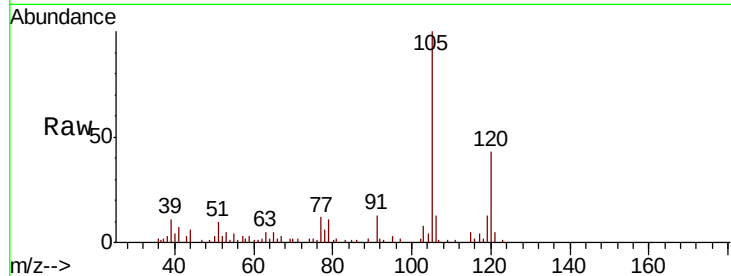
120 43.6 21.6 65.0

Manual Integrations

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#85

sec-Butylbenzene

Concen: 0.730 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008545.D

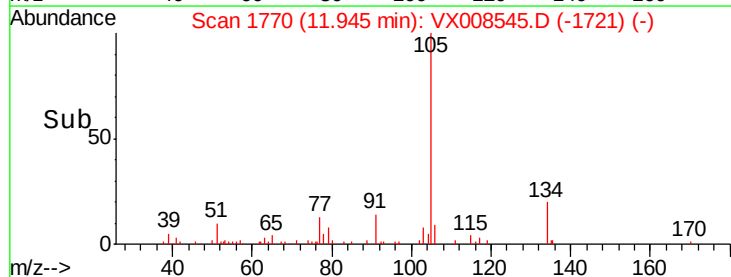
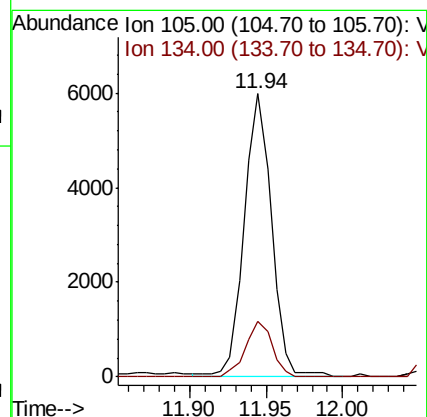
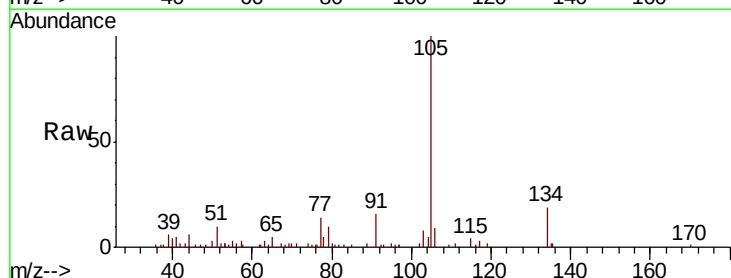
Acq: 29 Mar 2019 15:49

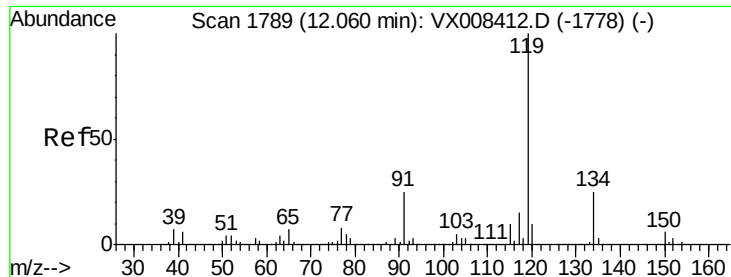
Tgt Ion:105 Resp: 7458

Ion Ratio Lower Upper

105 100

134 19.0 9.3 28.0





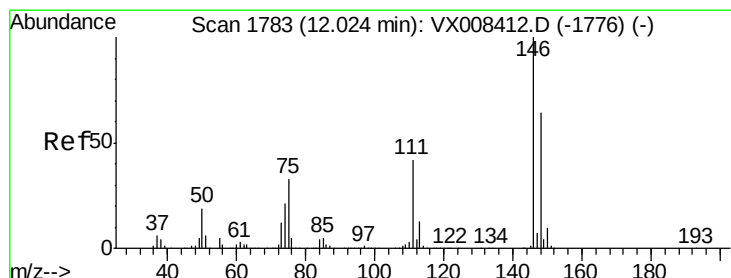
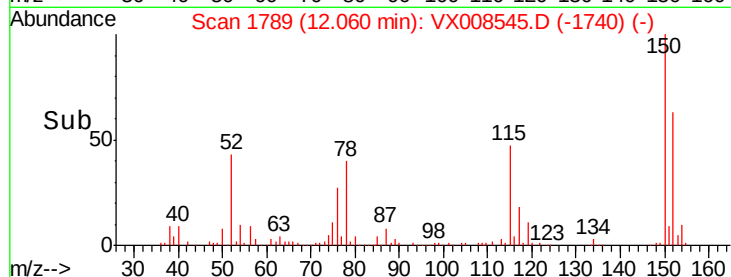
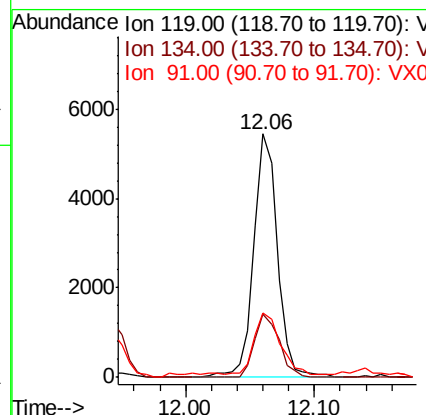
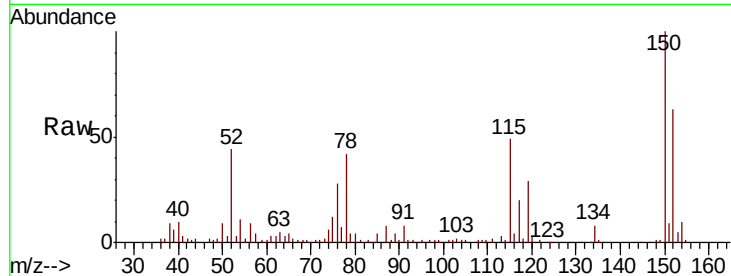
#86
p-Isopropyltoluene
Concen: 0.758 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	12.8	38.4
91	28.4	12.4	37.0

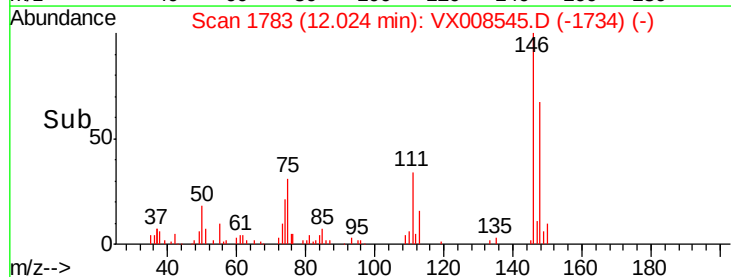
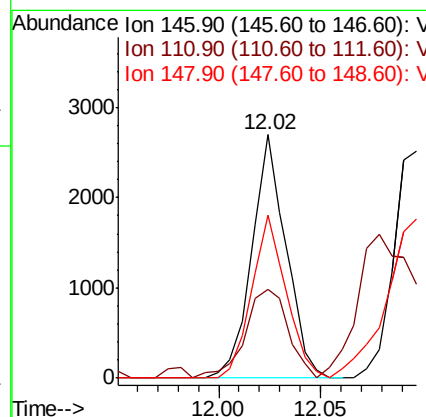
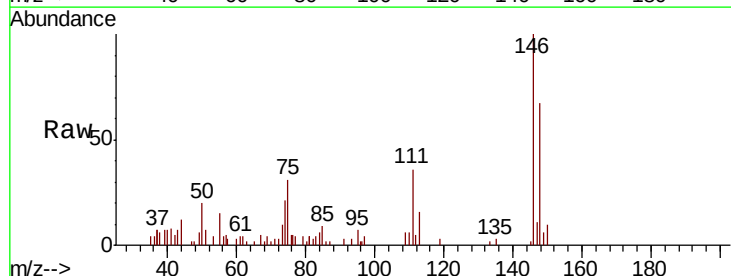
Manual Integrations
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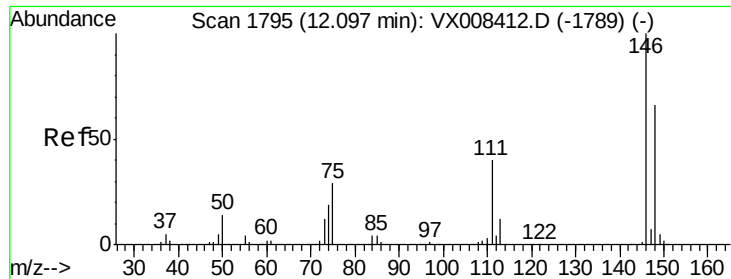
MMDadoda
3/30/2019 9:50:43 AM



#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX008545.D
Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	20.8	62.5
148	67.5	32.0	96.0





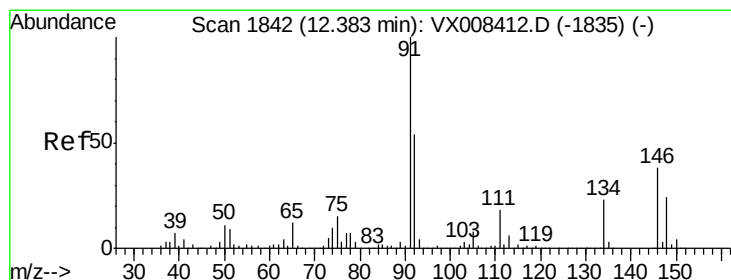
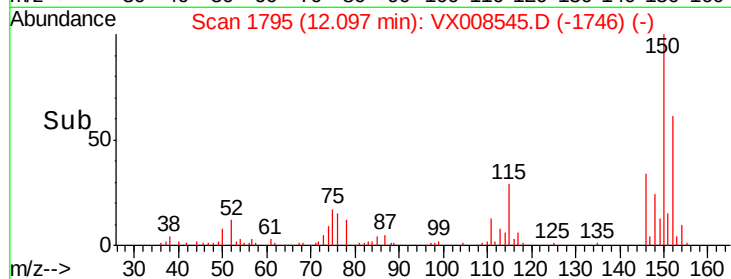
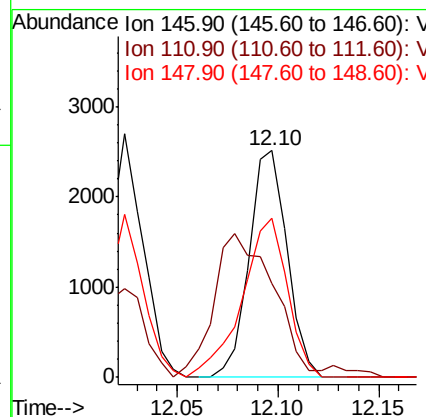
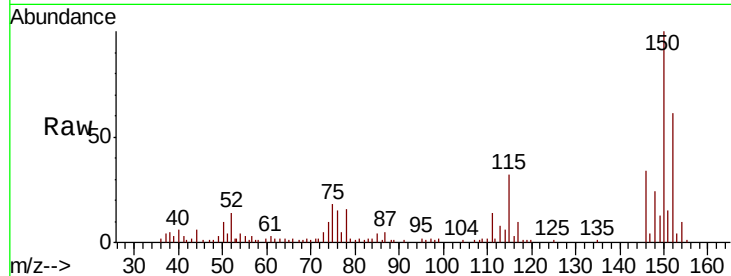
#88
 1,4-Dichlorobenzene
 Concen: 0.716 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.3	61.0
148	64.5	32.1	96.5

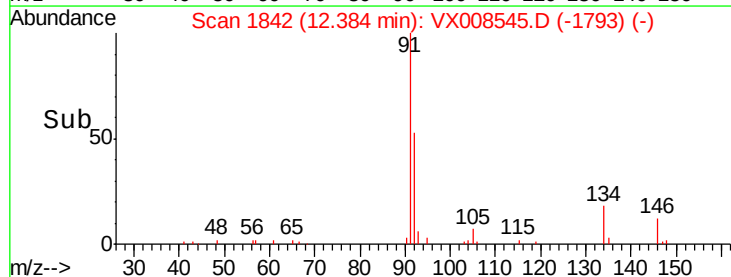
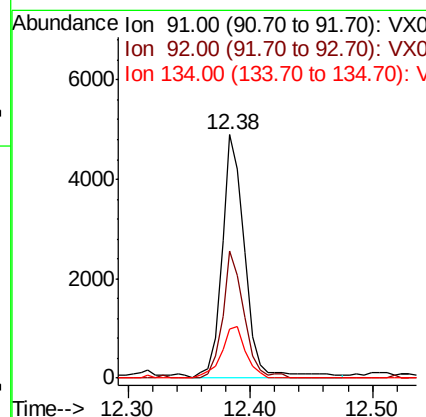
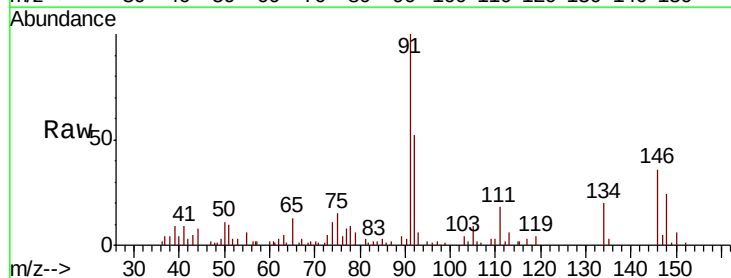
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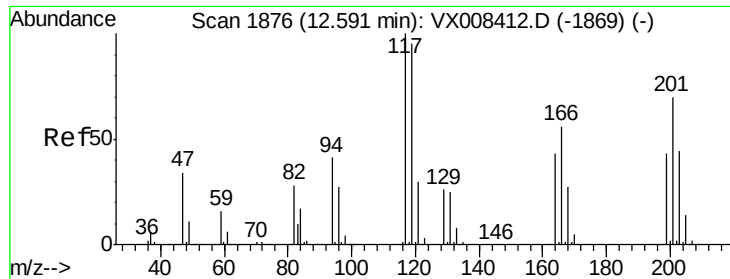
MMDadoda
 3/30/2019 9:50:43 AM



#89
 n-Butylbenzene
 Concen: 0.754 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.5	79.5
134	22.3	11.8	35.4





#90

Hexachloroethane

Concen: 0.614 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:117 Resp: 923

Ion Ratio Lower Upper

117 100

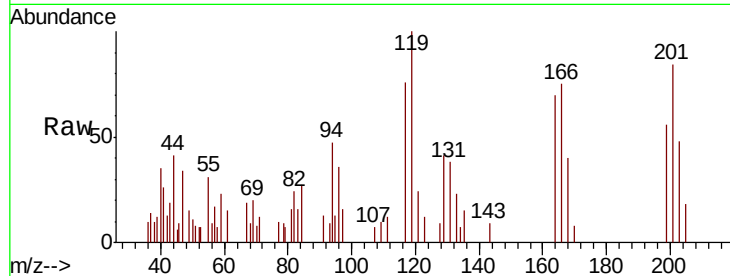
201 79.2 39.4 118.1

Manual Integrations

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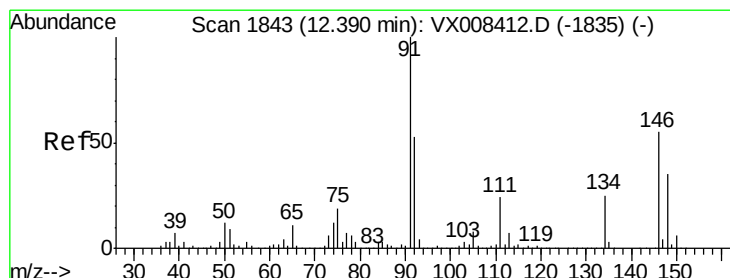
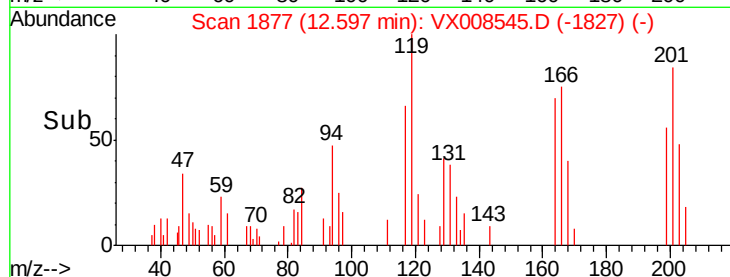
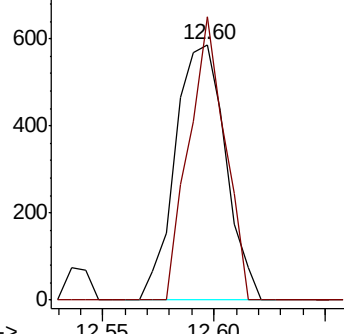
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.707 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

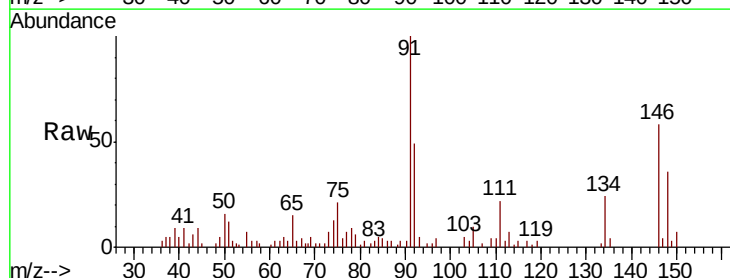
Tgt Ion:146 Resp: 3232

Ion Ratio Lower Upper

146 100

111 47.6 21.6 64.6

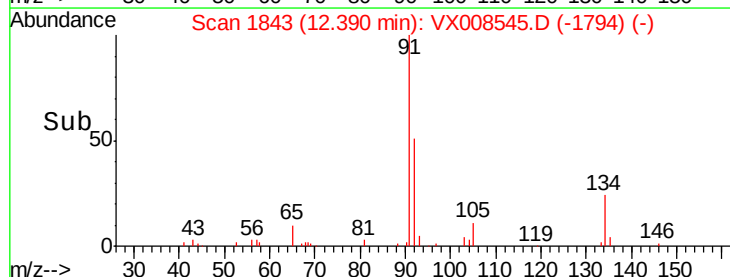
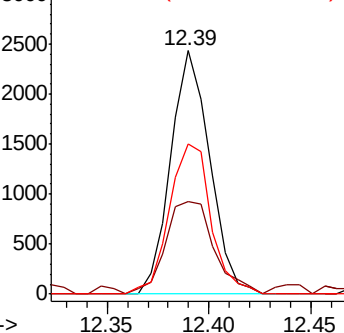
148 65.7 31.9 95.7

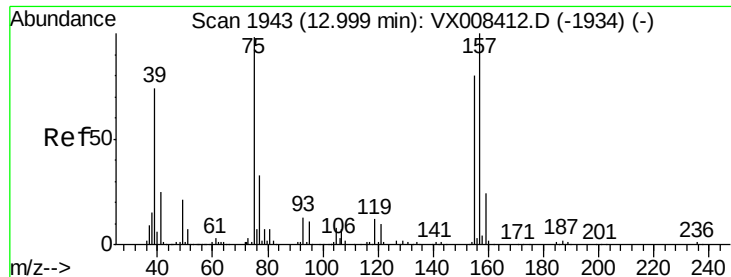


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.689 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

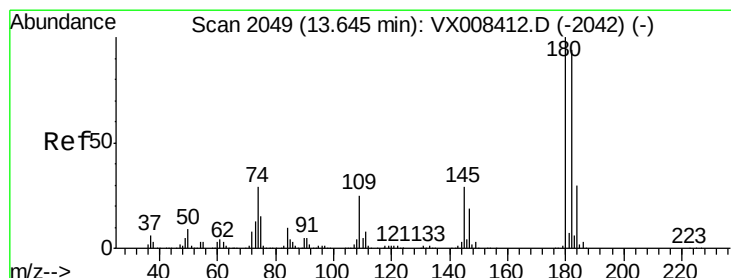
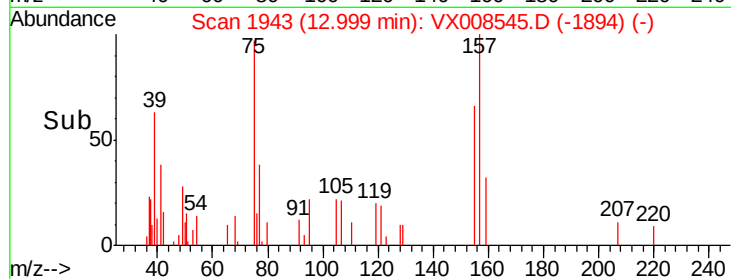
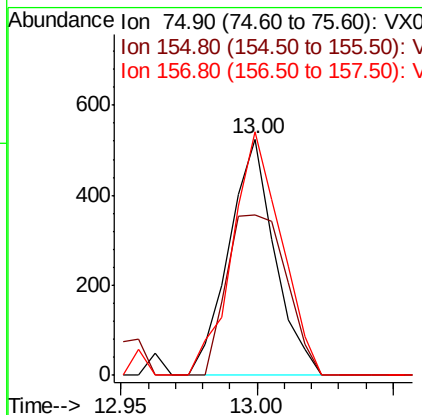
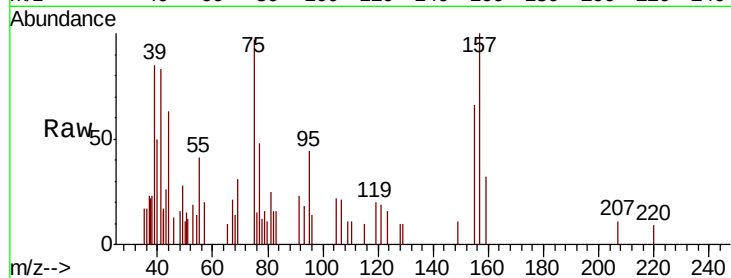
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	75	Resp:	613
Ion	Ratio	Lower	Upper
75	100		
155	88.9	39.5	118.5
157	110.1	49.9	149.7

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 0.703 ug/l

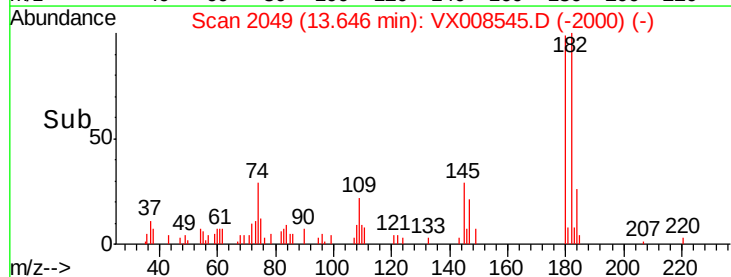
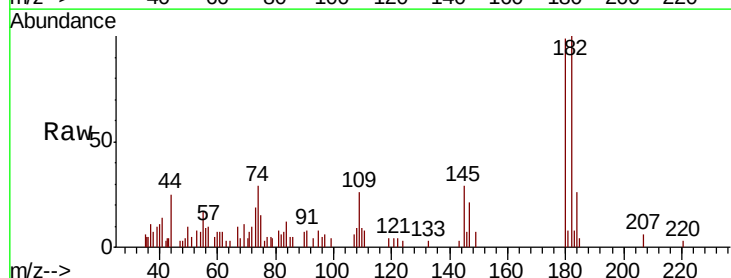
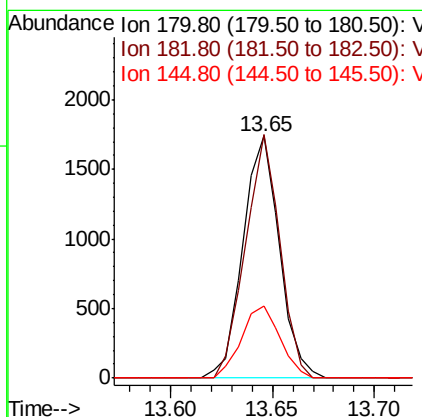
RT: 13.65 min Scan# 2049

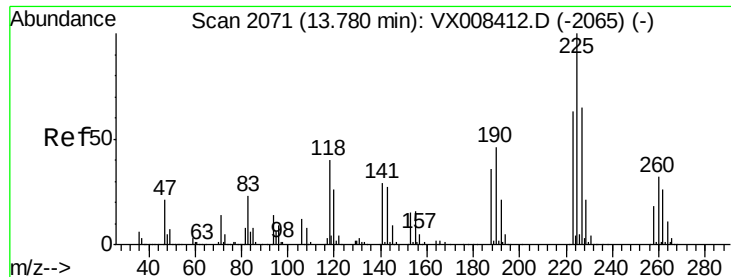
Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Tgt Ion:	180	Resp:	2163
Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	142.0
145	31.4	15.3	45.8





#94

Hexachlorobutadiene

Concen: 0.687 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008545.D

Acq: 29 Mar 2019 15:49

Instrument :

MSVOA_X

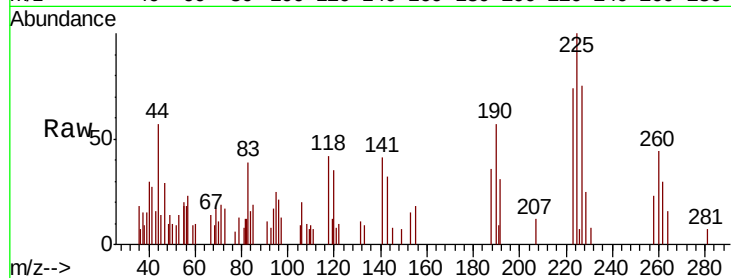
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

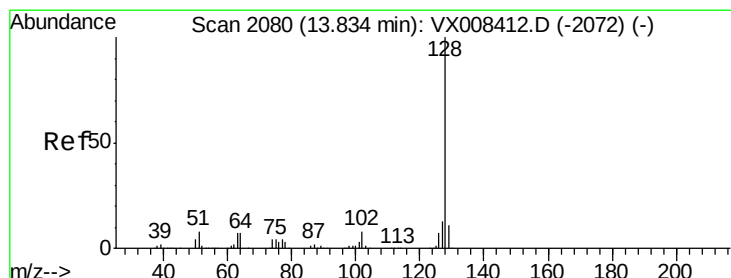
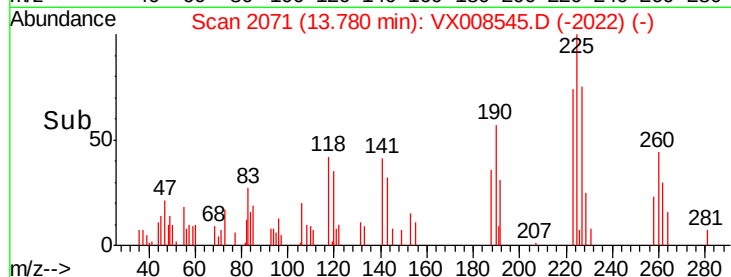
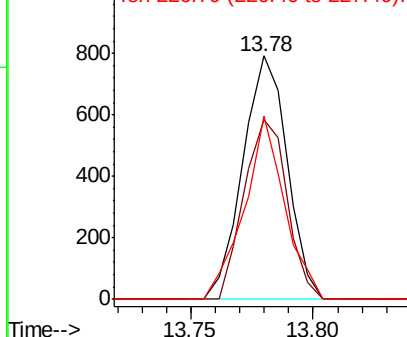
Tot Ion:	225	Resp:	1003
Ion Ratio	Lower	Upper	
225	100		
223	71.2	31.4	94.0
227	68.5	31.9	95.9

Manual Integrations
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3/30/2019 9:50:43 AM



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



#95

Naphthalene

Concen: 0.839 ug/l

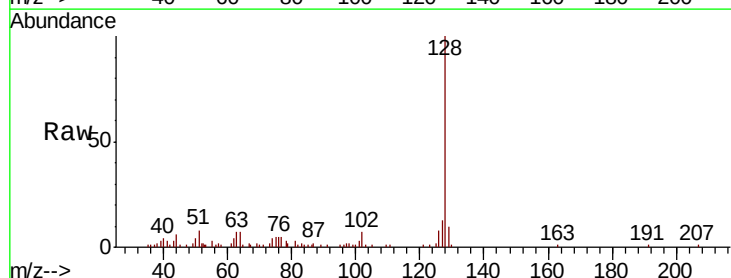
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

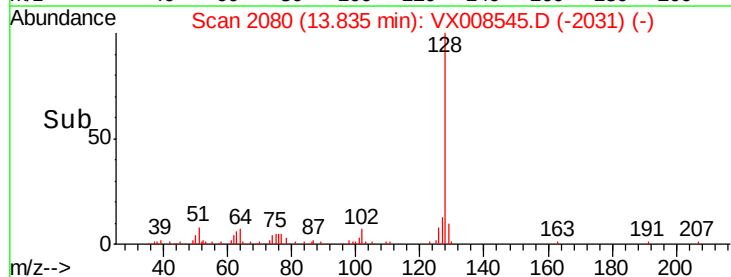
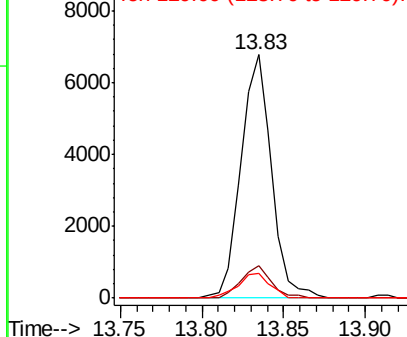
Lab File: VX008545.D

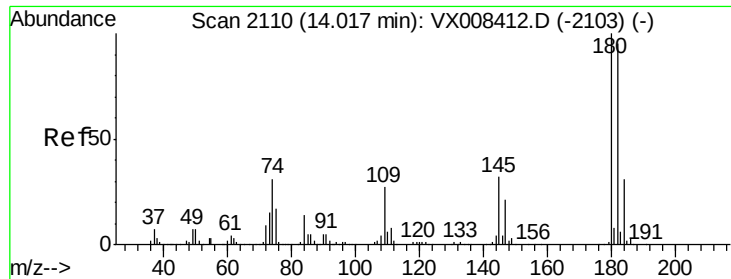
Acq: 29 Mar 2019 15:49

Tgt Ion:	128	Resp:	8851
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.5	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.707 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008545.D
 Acq: 29 Mar 2019 15:49

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.3	142.0
145	34.5	16.2	48.5

Manual Integrations
 APPROVED

MMDadoda
 3/30/2019 9:50:43 AM

