

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008518.D
 Acq On : 28 Mar 2019 14:40
 Operator : JC/SP
 Sample : K1560-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 10:51:51 AM

Quant Time: Mar 29 02:20:17 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	439629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	741964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	647454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	283317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	328535	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	5.50	113	239741	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	8.71	98	970166	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.13	95	340026	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1999	0.386	ug/l	98
3) Chloromethane	1.32	50	3033	Below Cal		97
4) Vinyl Chloride	1.40	62	2905	0.401	ug/l	98
5) Bromomethane	1.64	94	2049	2.328	ug/l	94
6) Chloroethane	1.72	64	2330	0.544	ug/l	95
7) Trichlorofluoromethane	1.93	101	3183	0.388	ug/l	89
8) Diethyl Ether	2.19	74	1696	0.437	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.38	101	2051	0.414	ug/l	98
10) Methyl Iodide	2.51	142	1463	4.408	ug/l #	90
11) Tert butyl alcohol	3.05	59	3018	2.044	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	2123	0.415	ug/l	96
13) Acrolein	2.29	56	2064	1.925	ug/l	96
14) Allyl chloride	2.73	41	4587	0.407	ug/l	95
15) Acrylonitrile	3.14	53	7690	1.986	ug/l	98
16) Acetone	2.45	43	7933	2.277	ug/l	97
18) Methyl Acetate	2.78	43	4043	0.483	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	7486	0.406	ug/l	99
20) Methylene Chloride	2.86	84	3218	Below Cal		93
22) Diisopropyl ether	3.85	45	8442	0.380	ug/l	89
23) Vinyl Acetate	3.81	43	34172	1.765	ug/l	96
24) 1,1-Dichloroethane	3.70	63	4409	0.394	ug/l #	96
25) 2-Butanone	4.68	43	11342	2.031	ug/l	99
26) 2,2-Dichloropropane	4.58	77	2881	0.387	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	2449	0.392	ug/l	98
29) Tetrahydrofuran	5.14	42	6802	1.848	ug/l	95
30) Chloroform	5.21	83	3986	0.394	ug/l	98
31) Cyclohexane	5.59	56	4251	0.398	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	3222	0.399	ug/l #	48
36) 1,1-Dichloropropene	5.80	75	3553	0.449	ug/l #	86
37) Ethyl Acetate	4.84	43	3686	0.360	ug/l #	89
38) Carbon Tetrachloride	5.78	117	2848	0.431	ug/l	87
39) Methylcyclohexane	7.46	83	3707	0.392	ug/l	98
40) Benzene	6.15	78	9667	0.408	ug/l	96
41) Methacrylonitrile	5.04	41	2380	0.413	ug/l #	93

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

42) 1,2-Dichloroethane	6.20	62	3862	0.445	ug/l	100
43) Isopropyl Acetate	6.45	43	5774	0.352	ug/l #	92
44) Trichloroethene	7.21	130	2155	0.388	ug/l	90
45) 1,2-Dichloropropane	7.51	63	3026	0.450	ug/l	89
46) Dibromomethane	7.67	93	1597	0.406	ug/l	96
47) Bromodichloromethane	7.90	83	2816	0.374	ug/l #	92
48) Methyl methacrylate	7.77	41	3320	0.405	ug/l	93
49) 1,4-Dioxane	7.75	88	1407	8.627	ug/l	87
51) 4-Methyl-2-Pentanone	8.64	43	19010	1.785	ug/l	96
52) Toluene	8.79	92	5893	0.416	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	2642	0.321	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	3424	0.365	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	2217	0.385	ug/l	98
56) Ethyl methacrylate	9.18	69	3686	0.354	ug/l	91
57) 1,3-Dichloropropane	9.37	76	3915	0.379	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	8373	1.557	ug/l	99
59) 2-Hexanone	9.49	43	14817	1.796	ug/l	98
60) Dibromochloromethane	9.58	129	1770	0.323	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2203	0.374	ug/l	96
64) Tetrachloroethene	9.34	164	1940	0.443	ug/l	96
65) Chlorobenzene	10.14	112	5735	0.407	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	1772	0.365	ug/l #	61
67) Ethyl Benzene	10.25	91	10496	0.395	ug/l	97
68) m/p-Xylenes	10.36	106	7442	0.770	ug/l	99
69) o-Xylene	10.70	106	3589	0.383	ug/l	100
70) Styrene	10.71	104	5896	0.364	ug/l	99
71) Bromoform	10.86	173	1213	0.316	ug/l #	97
73) Isopropylbenzene	11.02	105	9257	0.402	ug/l	99
74) N-amyl acetate	10.90	43	4955	0.371	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	3789	0.424	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	4017m	0.477	ug/l	
77) Bromobenzene	11.26	156	2434	0.435	ug/l	98
78) n-propylbenzene	11.36	91	10872	0.403	ug/l	99
79) 2-Chlorotoluene	11.42	91	6837	0.416	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	7809	0.401	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	796m	0.303	ug/l	
82) 4-Chlorotoluene	11.51	91	7759	0.410	ug/l	95
83) tert-Butylbenzene	11.77	119	7268	0.387	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	7541	0.383	ug/l	98
85) sec-Butylbenzene	11.94	105	8766	0.392	ug/l	99
86) p-Isopropyltoluene	12.06	119	7684	0.389	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	4166	0.417	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	4407m	0.437	ug/l	
89) n-Butylbenzene	12.38	91	6656	0.356	ug/l	98
90) Hexachloroethane	12.60	117	1174	0.357	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	3960	0.396	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	706	0.362	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	2505	0.372	ug/l	97
94) Hexachlorobutadiene	13.78	225	1350	0.422	ug/l	97
95) Naphthalene	13.83	128	8605	0.372	ug/l	99

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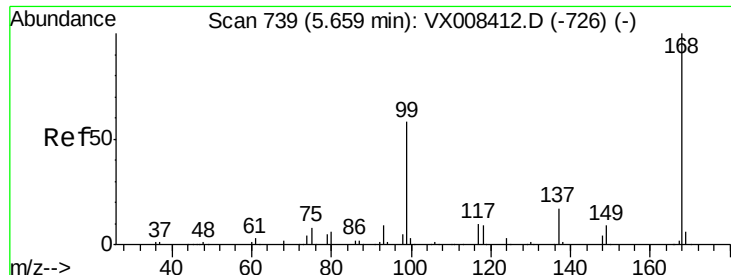
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	2824	0.417	ug/l	96

(#) = 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

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:168 Resp: 439629

Ion Ratio Lower Upper

168 100

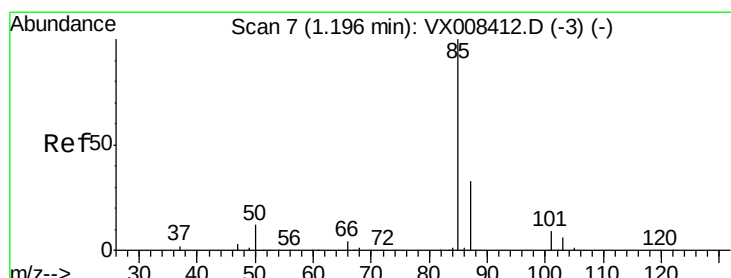
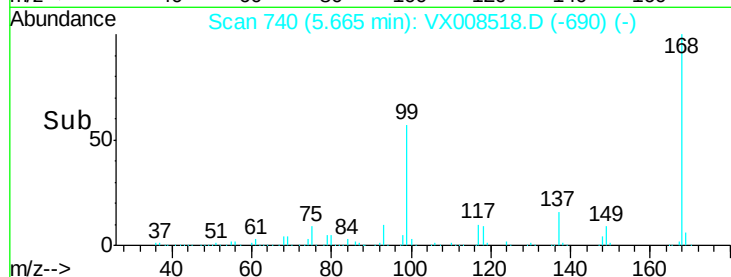
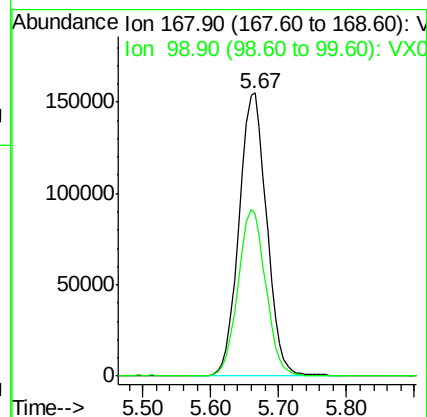
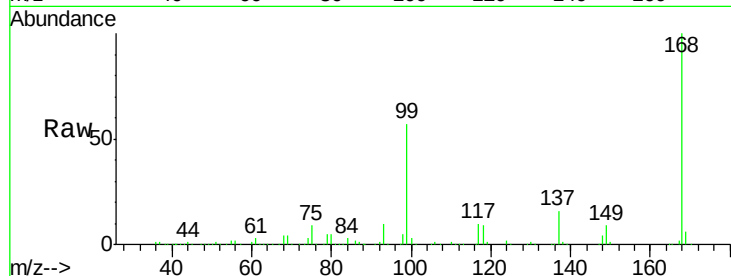
99 57.2 46.0 69.0

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3/29/2019 10:51:51 AM



#2

Dichlorodifluoromethane

Concen: 0.386 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008518.D

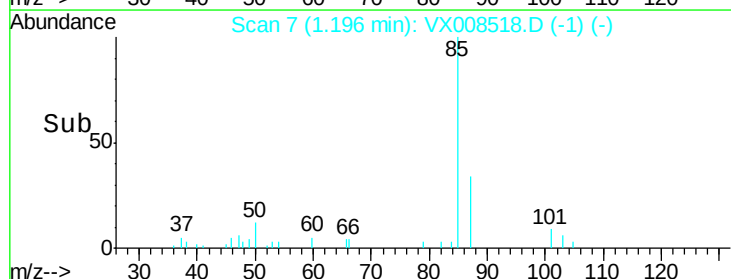
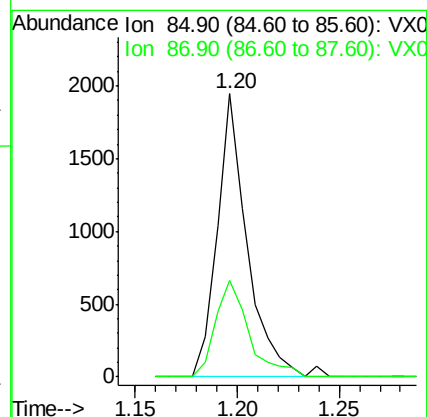
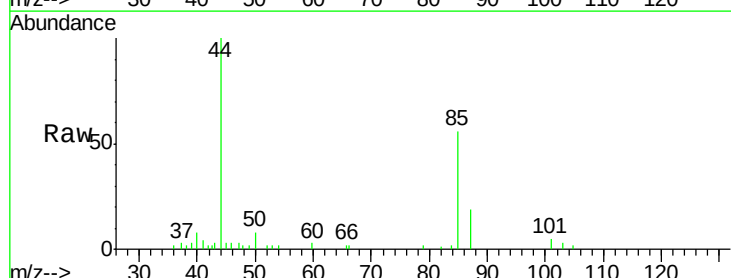
Acq: 28 Mar 2019 14:40

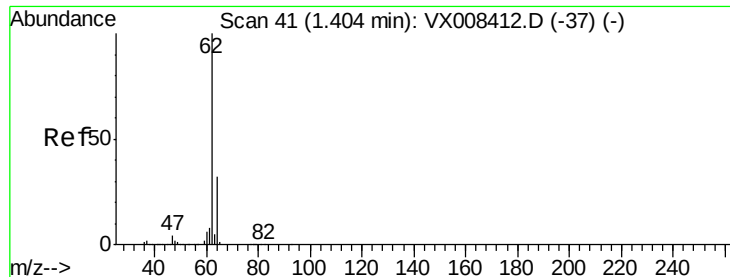
Tgt Ion: 85 Resp: 1999

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1





#4

Vinyl Chloride

Concen: 0.401 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 62 Resp: 2905

Ion Ratio Lower Upper

62 100

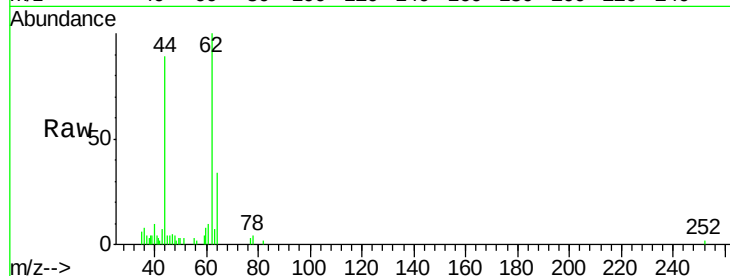
64 30.9 25.5 38.3

Manual Integrations

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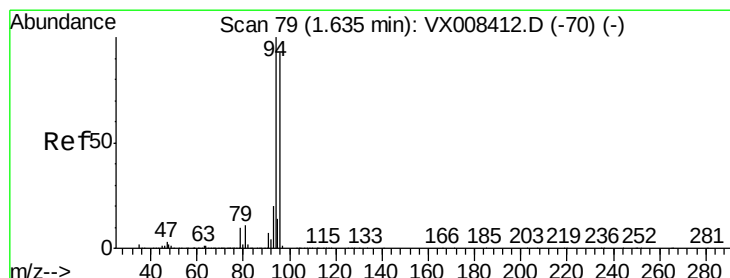
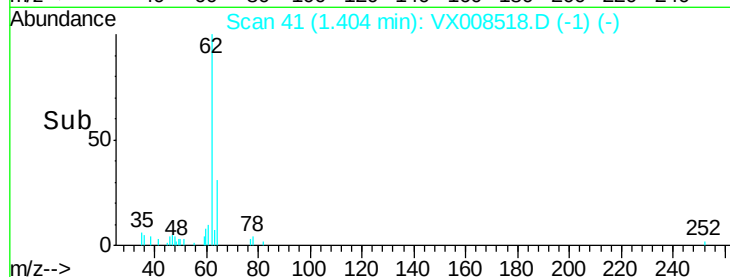
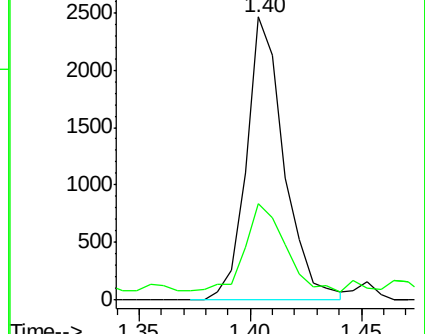
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3/29/2019 10:51:51 AM



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 2.328 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008518.D

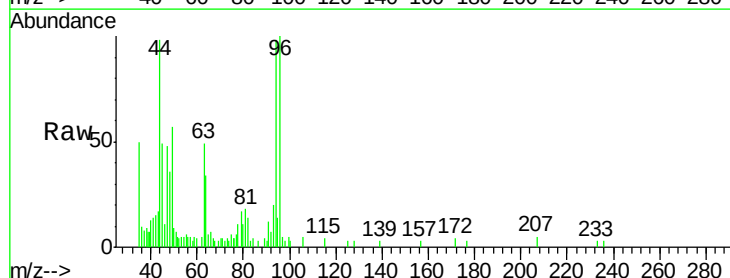
Acq: 28 Mar 2019 14:40

Tgt Ion: 94 Resp: 2049

Ion Ratio Lower Upper

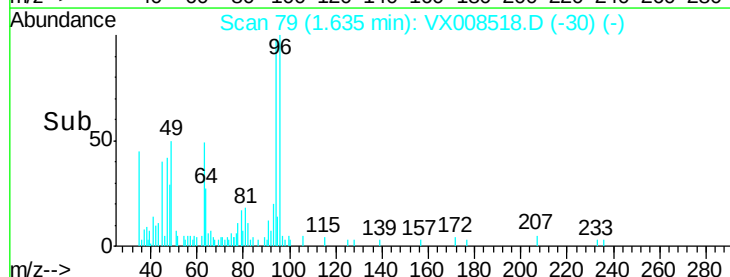
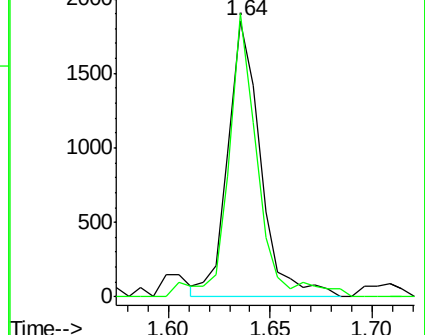
94 100

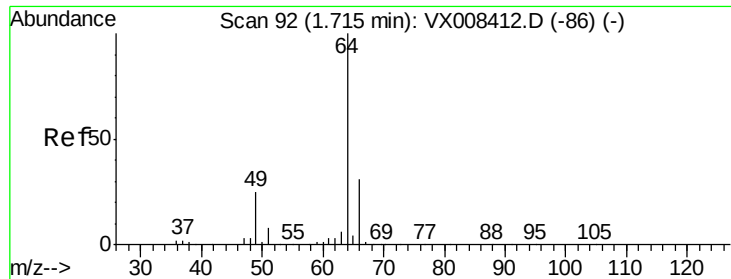
96 99.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.544 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008518.D

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Tot Ion: 64 Resp: 2330

Ion Ratio Lower Upper

64 100

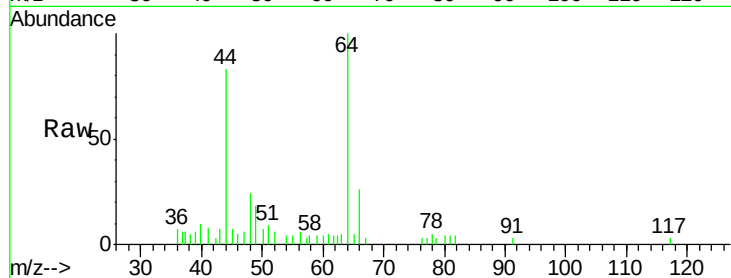
66 28.9 25.1 37.7

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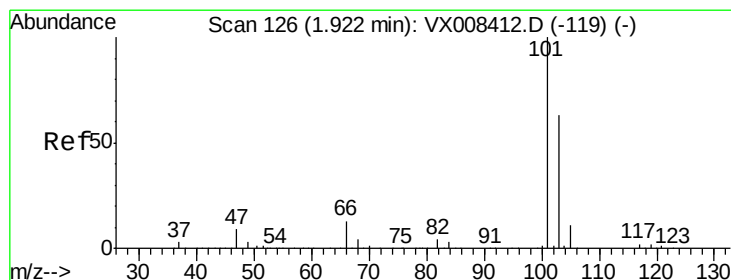
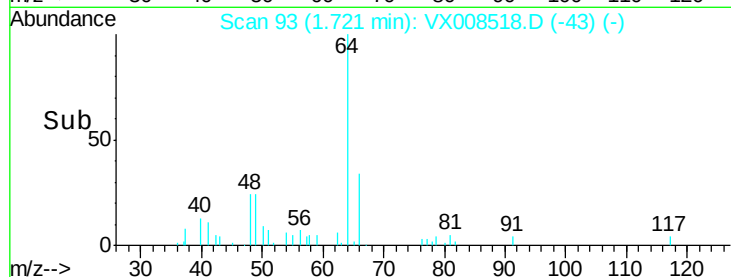
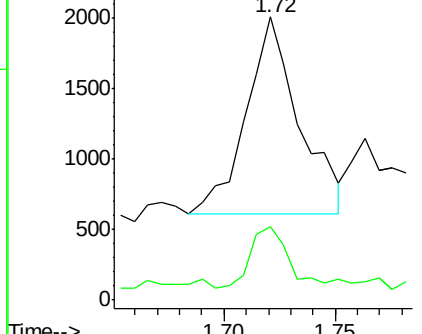
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3/29/2019 10:51:51 AM



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#7

Trichlorofluoromethane

Concen: 0.388 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX008518.D

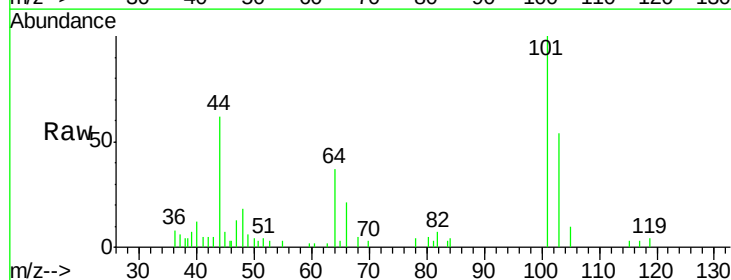
Acq: 28 Mar 2019 14:40

Tgt Ion: 101 Resp: 3183

Ion Ratio Lower Upper

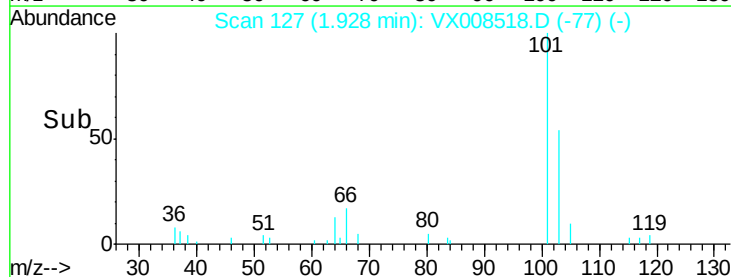
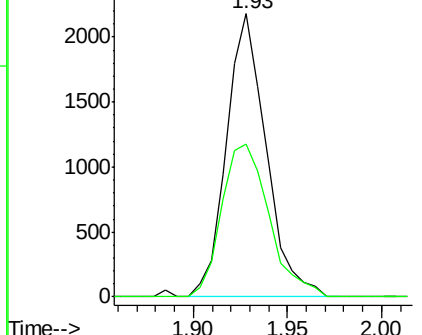
101 100

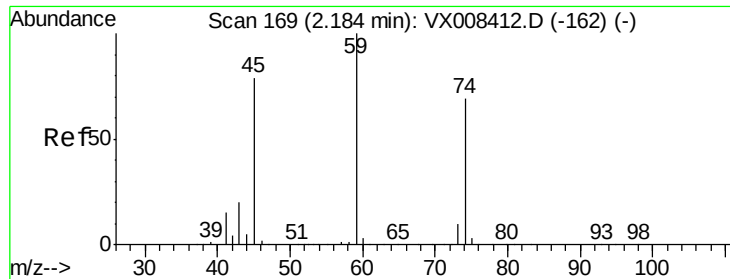
103 54.1 50.2 75.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#8

Diethyl Ether

Concen: 0.437 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

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Tot Ion: 74 Resp: 1696

Ion Ratio Lower Upper

74 100

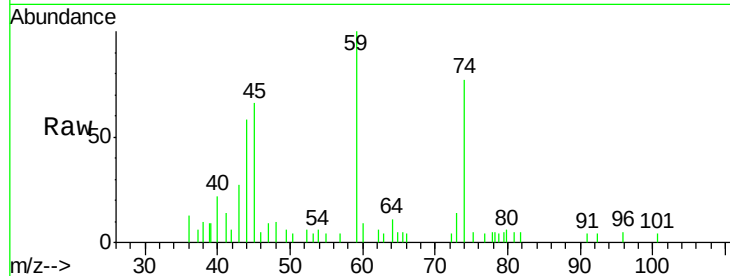
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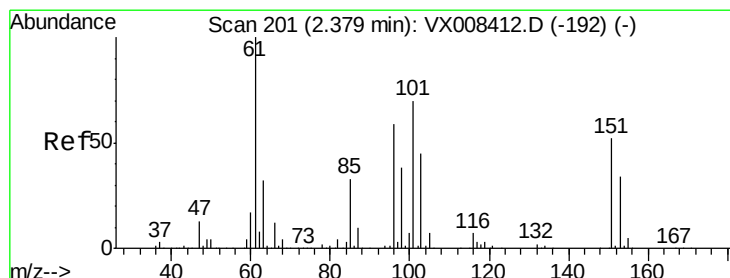
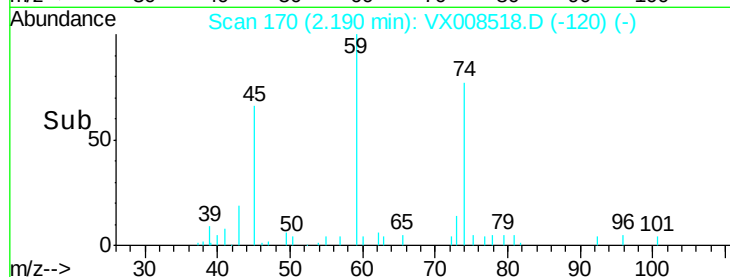
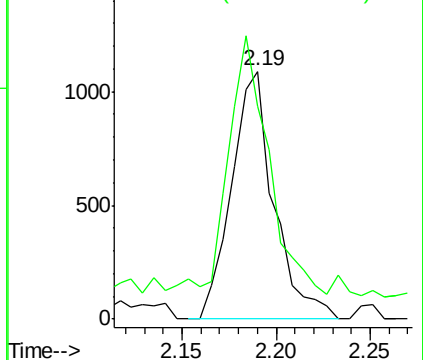
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3/29/2019 10:51:51 AM



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: 0.414 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

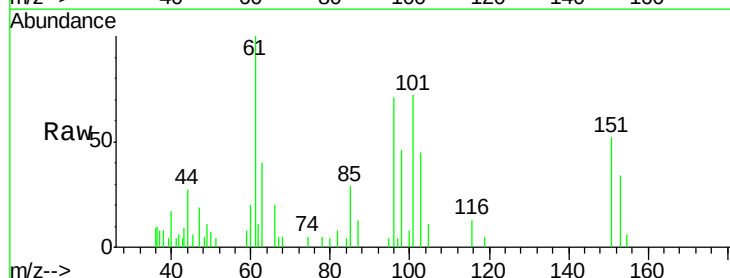
Tgt Ion: 101 Resp: 2051

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

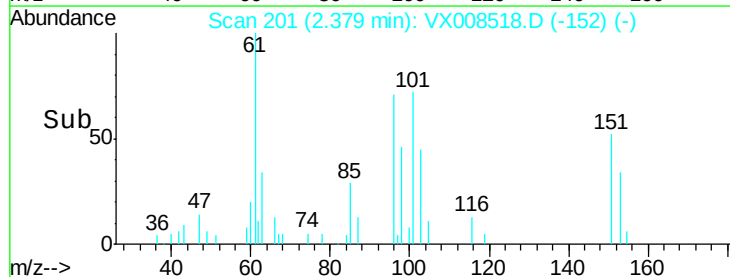
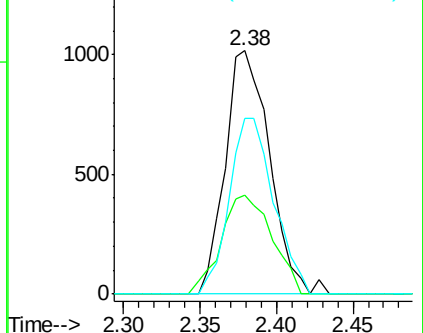
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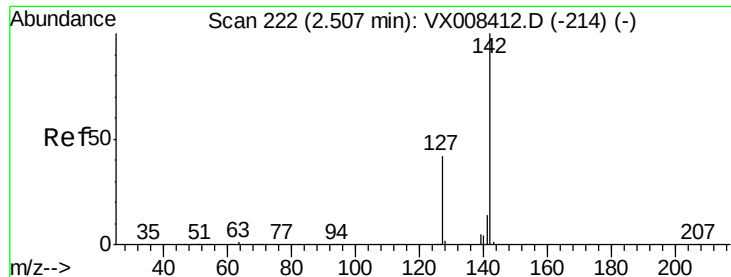


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





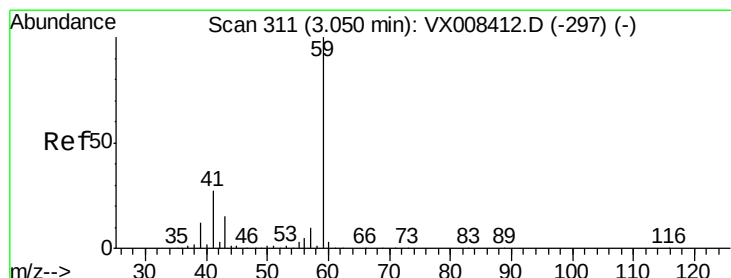
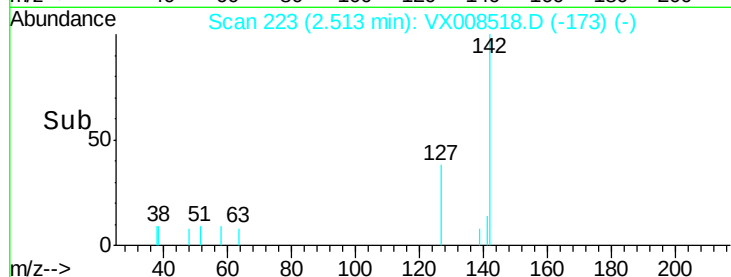
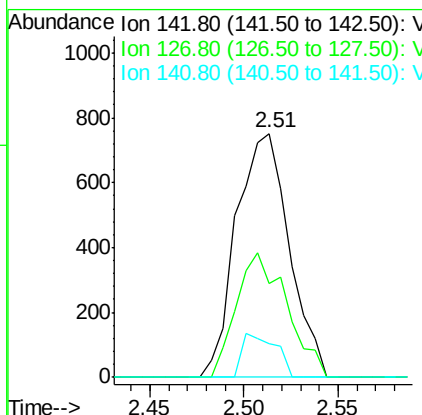
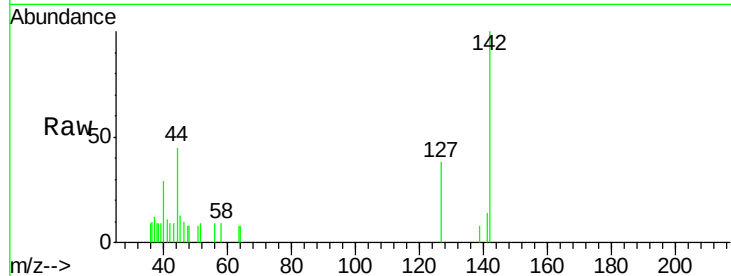
#10
Methvl Iodide
Concen: 4.408 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.7	33.6	50.4
141	11.3	11.3	16.9#

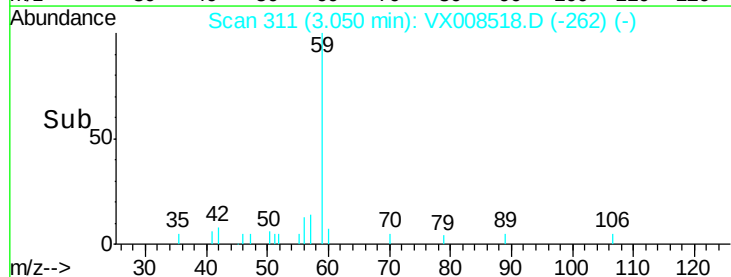
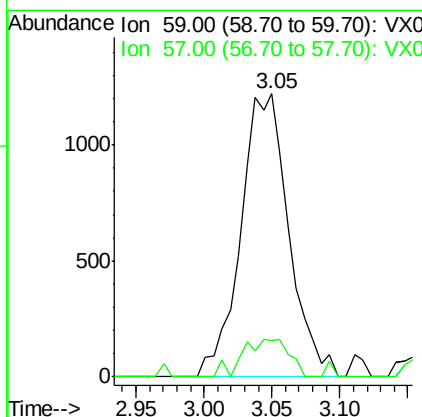
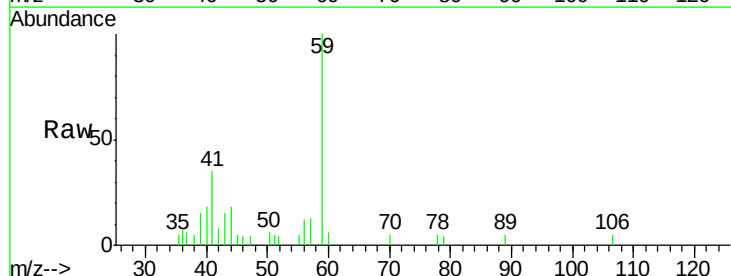
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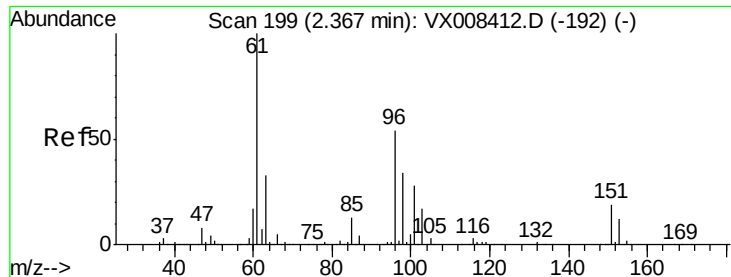
MMDadoda
3/29/2019 10:51:51 AM



#11
Tert butyl alcohol
Concen: 2.044 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.2	12.4#





#12

1,1-Dichloroethene

Concen: 0.415 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

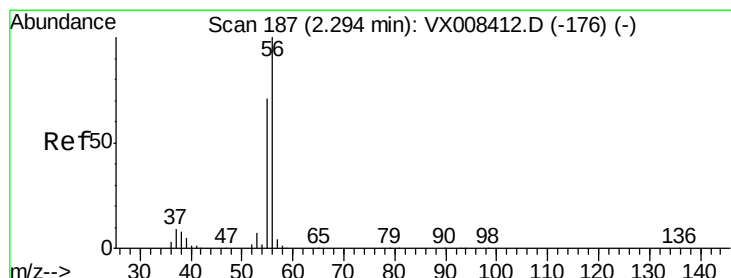
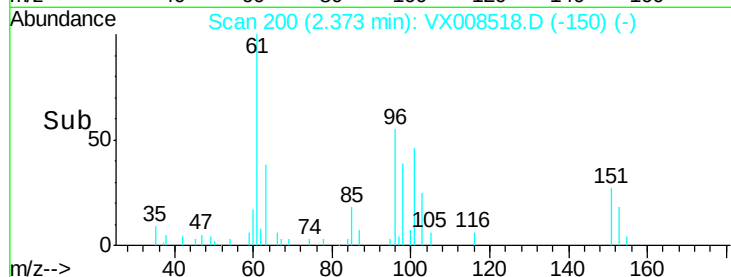
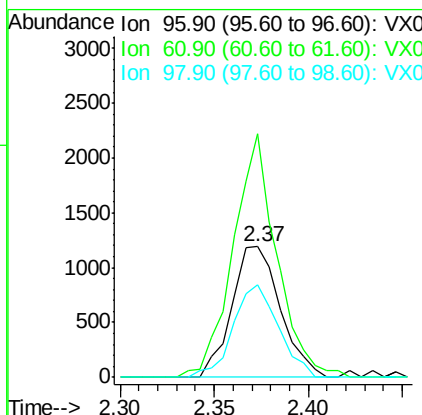
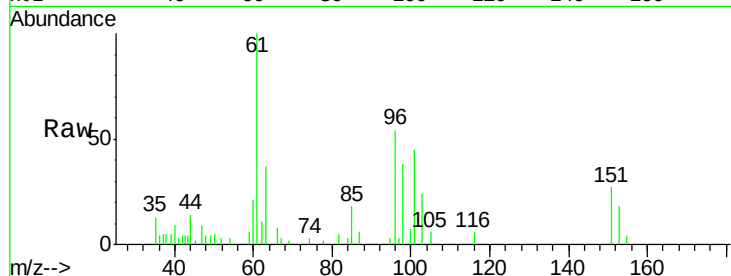
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	96	Resp:	2123
Ion	Ratio	Lower	Upper
96	100		
61	181.2	146.9	220.3
98	70.9	50.1	75.1

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#13

Acrolein

Concen: 1.925 ug/l

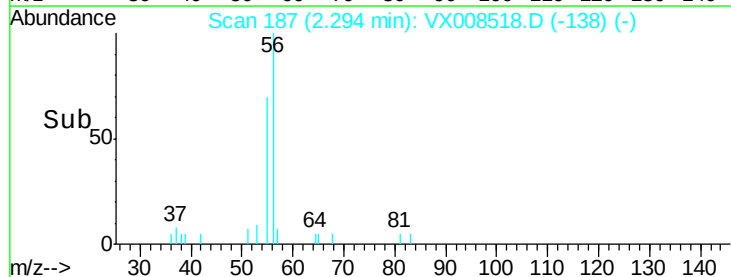
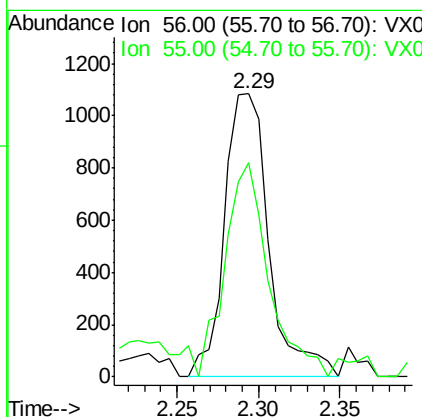
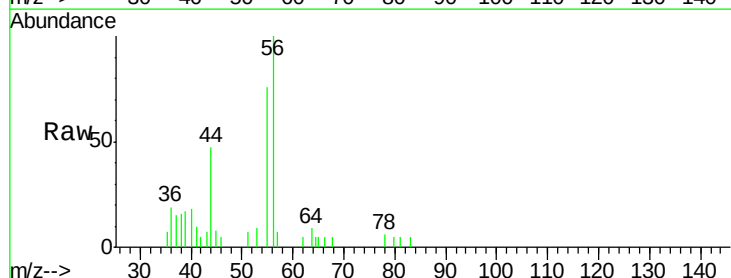
RT: 2.29 min Scan# 187

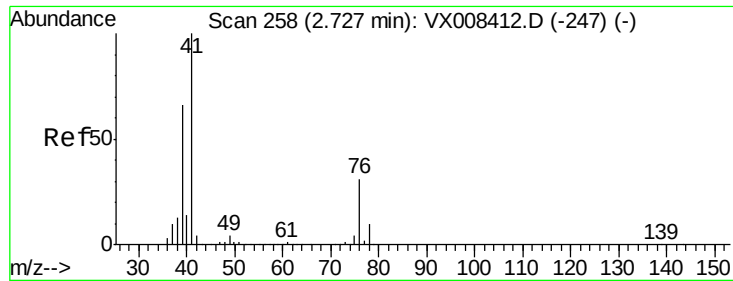
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	56	Resp:	2064
Ion	Ratio	Lower	Upper
56	100		
55	73.9	56.5	84.7





#14

Allvl chloride

Concen: 0.407 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

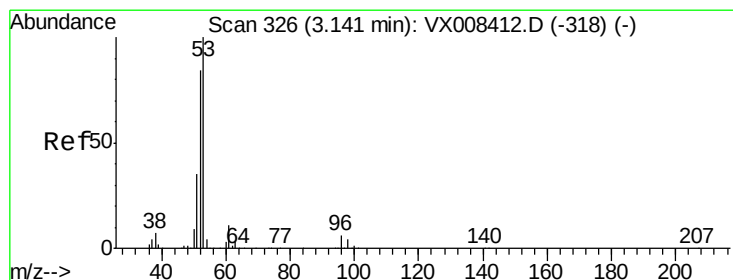
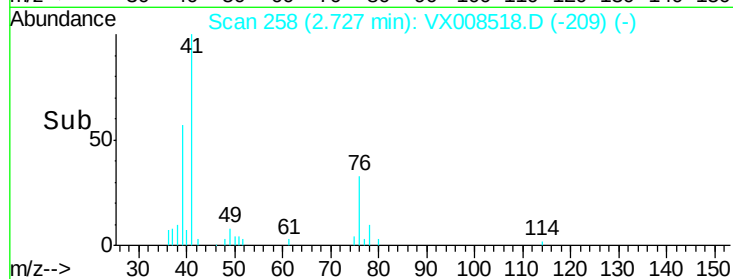
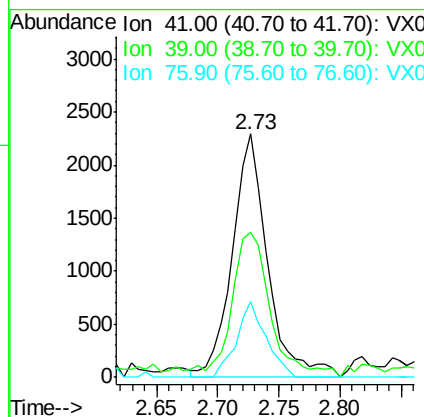
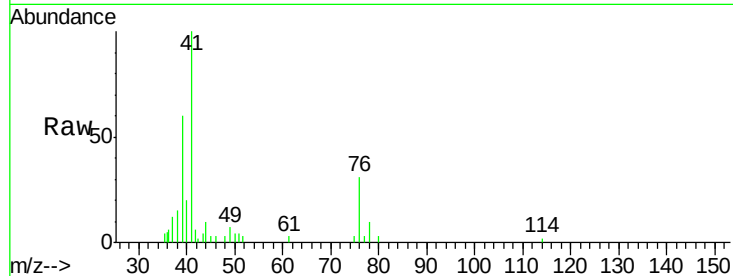
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	41	Resp:	4587
Ion	Ratio	Lower	Upper
41	100		
39	65.7	49.6	74.4
76	26.1	22.6	34.0

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#15

Acrylonitrile

Concen: 1.986 ug/l

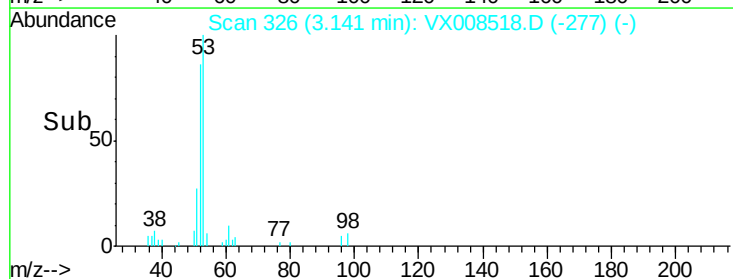
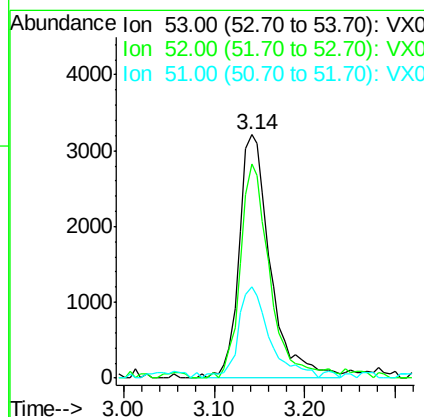
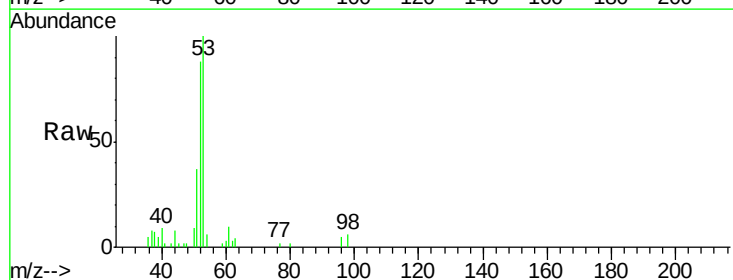
RT: 3.14 min Scan# 326

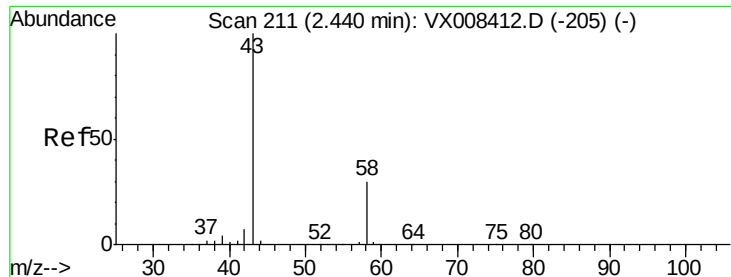
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	53	Resp:	7690
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.5	99.7
51	37.7	28.3	42.5





#16

Acetone

Concen: 2.277 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 7933

Ion Ratio Lower Upper

43 100

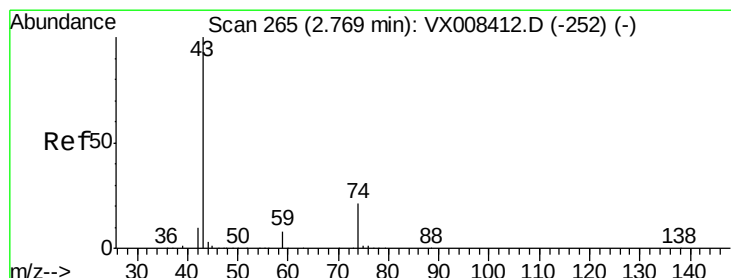
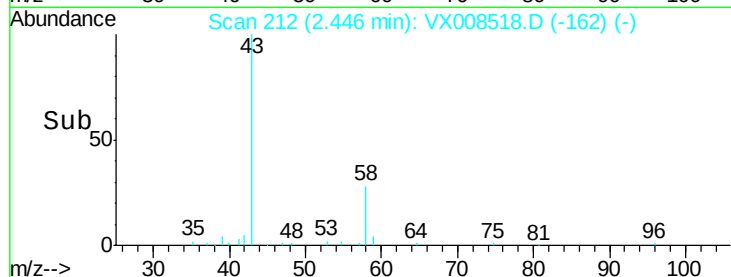
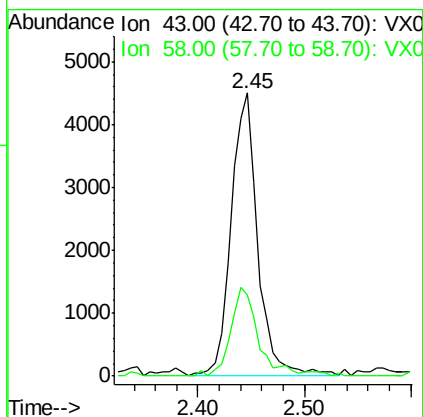
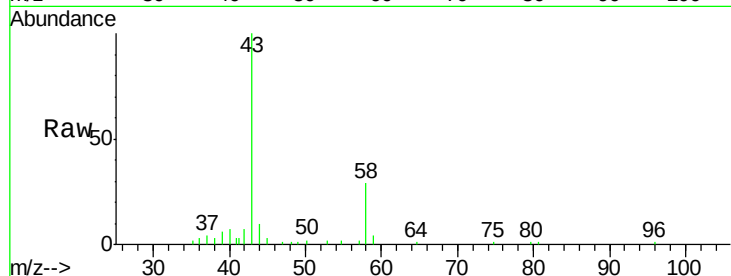
58 28.6 24.2 36.2

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#18

Methyl Acetate

Concen: 0.483 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX008518.D

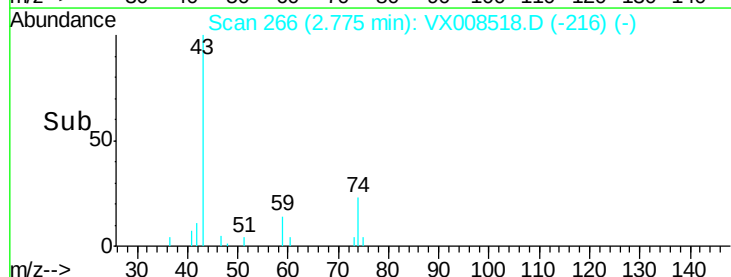
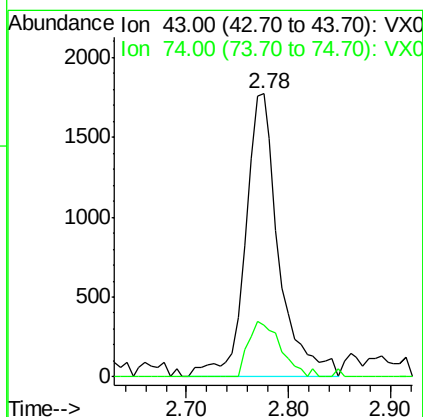
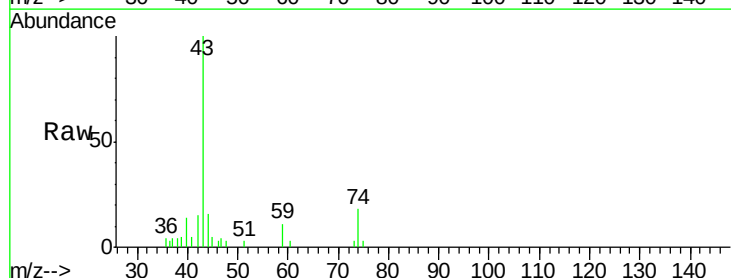
Acq: 28 Mar 2019 14:40

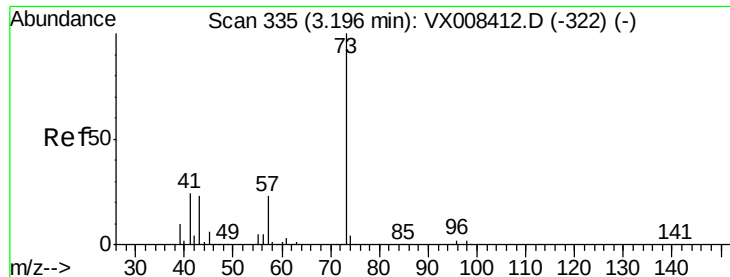
Tgt Ion: 43 Resp: 4043

Ion Ratio Lower Upper

43 100

74 19.1 16.7 25.1





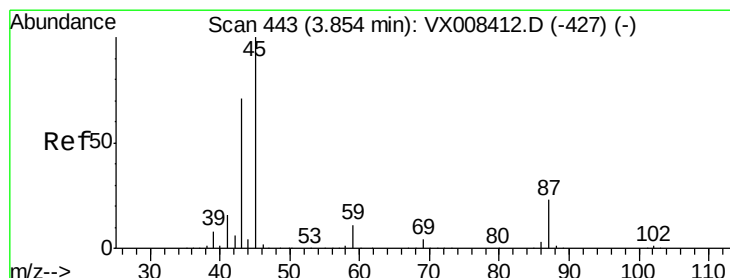
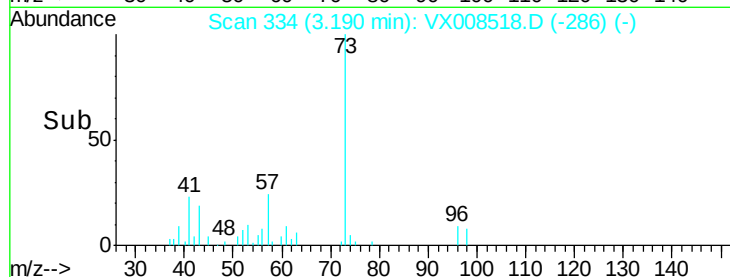
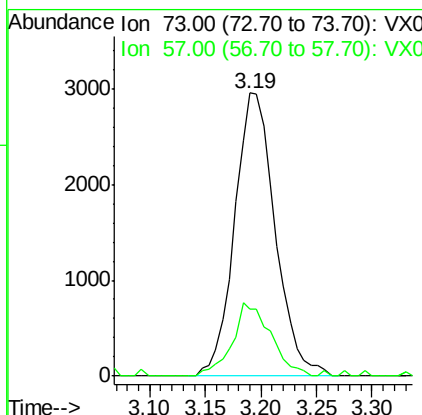
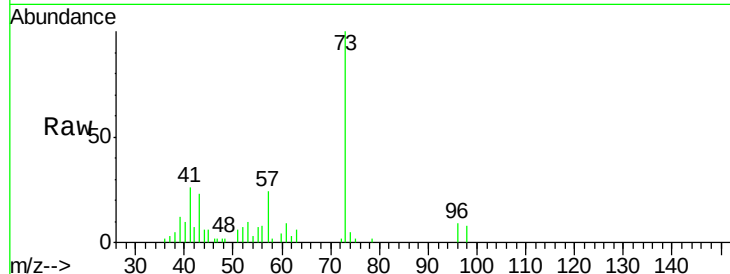
#19
Methyl tert-butyl Ether
Concen: 0.406 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion: 73 Resp: 7486
Ion Ratio Lower Upper
73 100
57 23.7 18.6 28.0

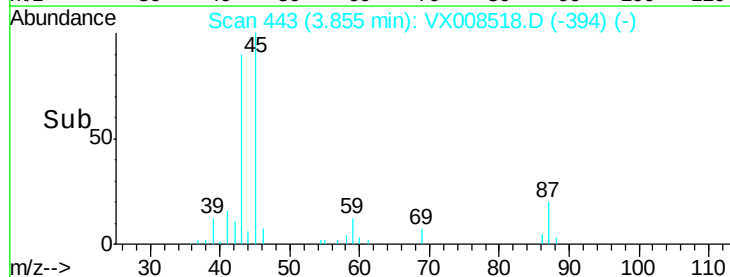
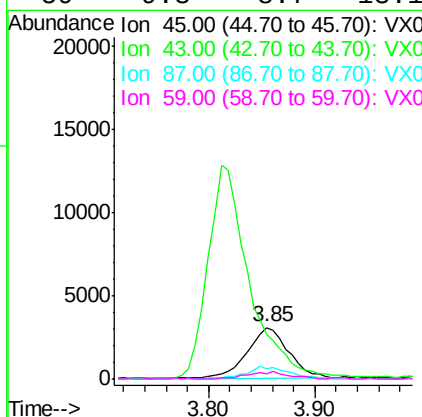
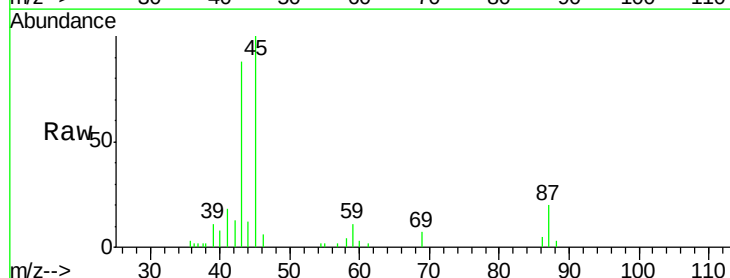
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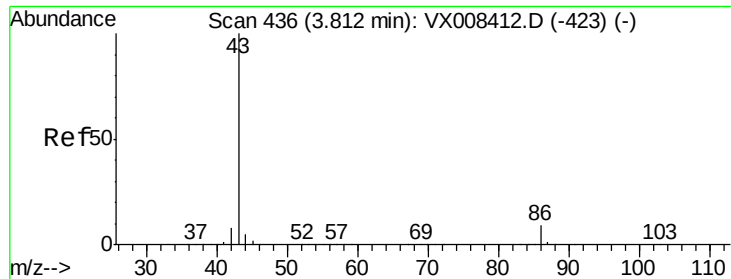
MMDadoda
3/29/2019 10:51:51 AM



#22
Diisopropyl ether
Concen: 0.380 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 45 Resp: 8442
Ion Ratio Lower Upper
45 100
43 83.1 57.1 85.7
87 20.3 18.8 28.2
59 9.3 8.7 13.1





#23

Vinyl Acetate

Concen: 1.765 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 34172

Ion Ratio Lower Upper

43 100

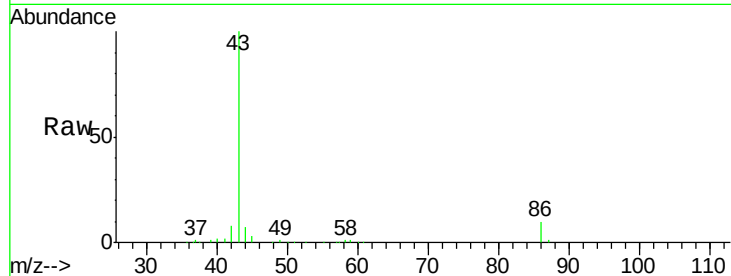
86 9.9 6.9 10.3

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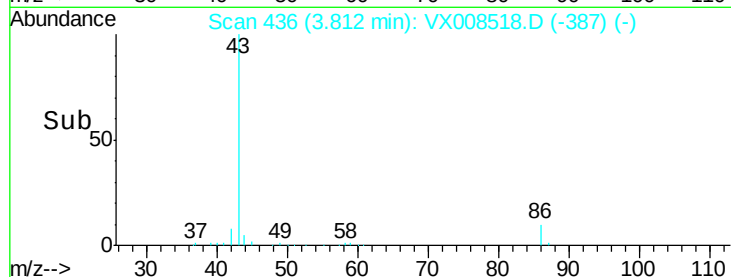
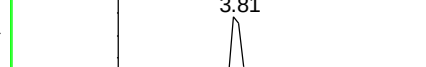
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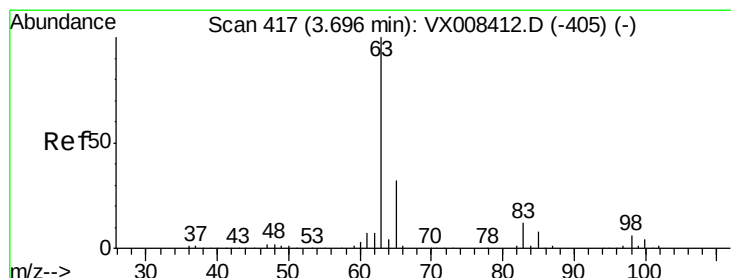


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 0.394 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

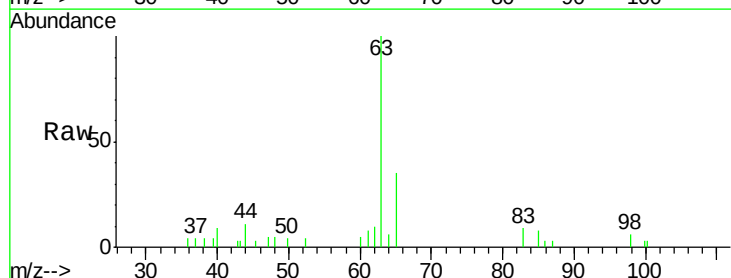
Tgt Ion: 63 Resp: 4409

Ion Ratio Lower Upper

63 100

98 6.0 3.2 9.6

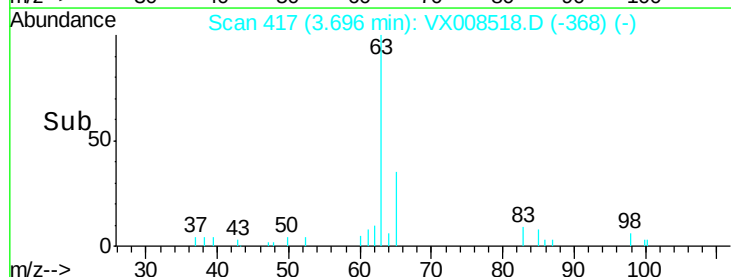
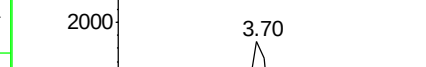
100 6.3 2.0 5.8#



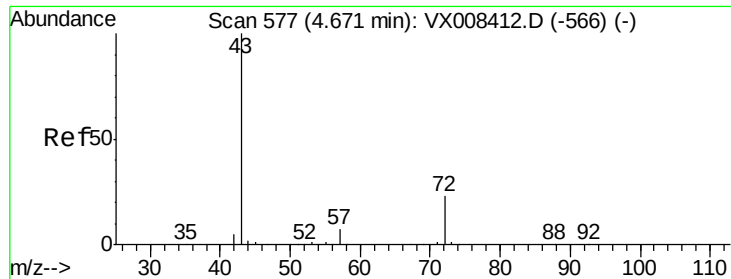
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 2.031 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 43 Resp: 11342

Ion Ratio Lower Upper

43 100

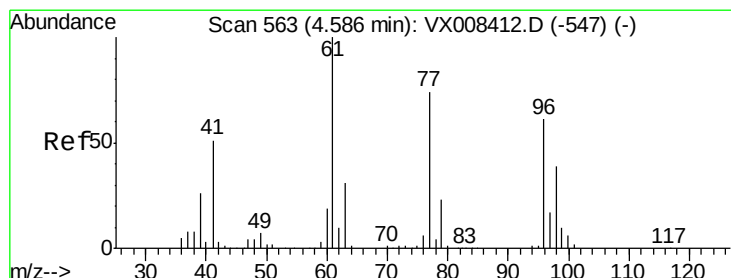
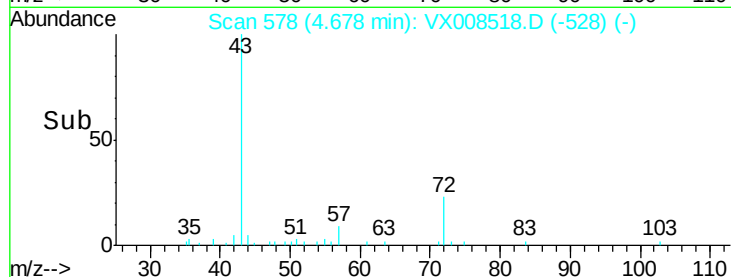
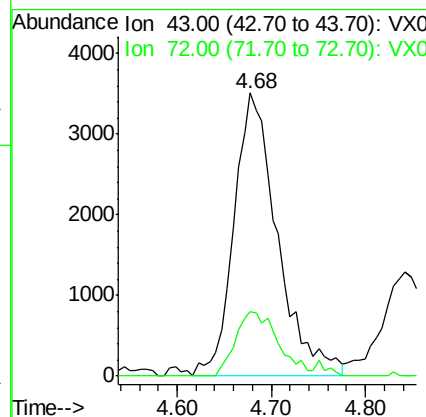
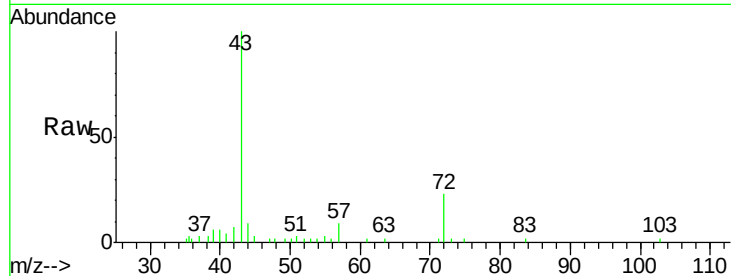
72 23.0 18.6 28.0

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3/29/2019 10:51:51 AM



#26

2,2-Dichloropropane

Concen: 0.387 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008518.D

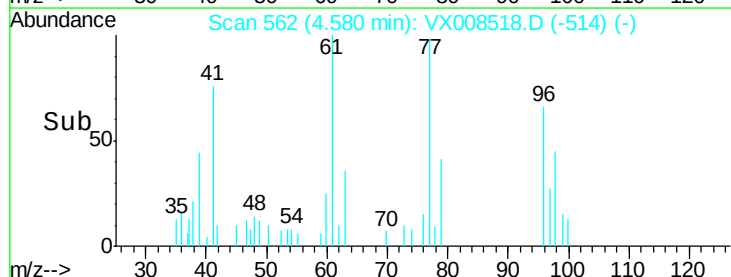
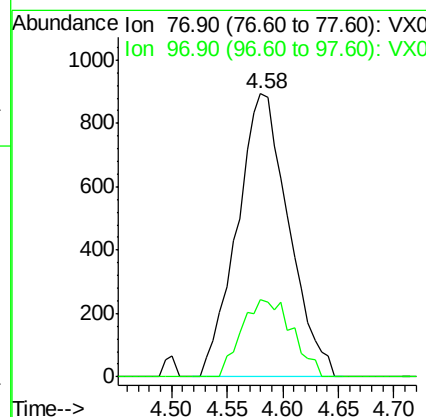
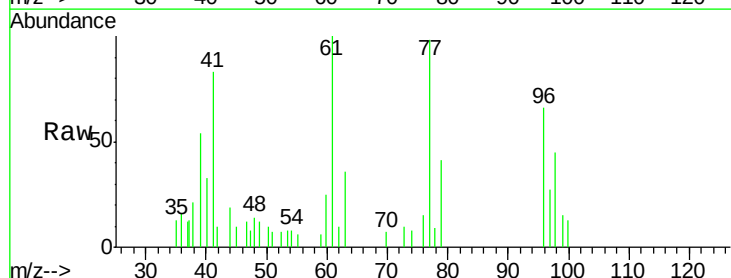
Acq: 28 Mar 2019 14:40

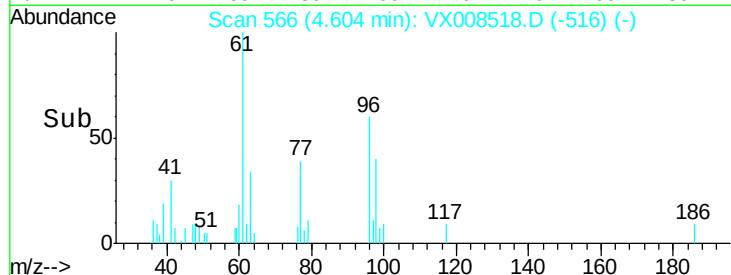
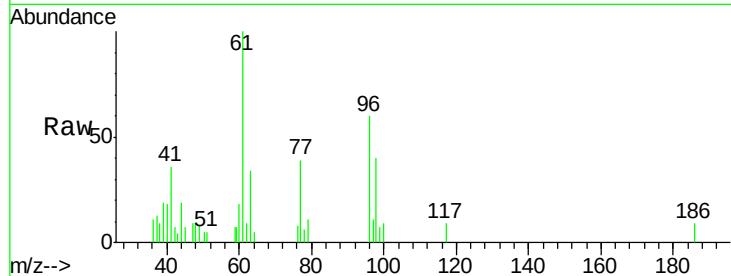
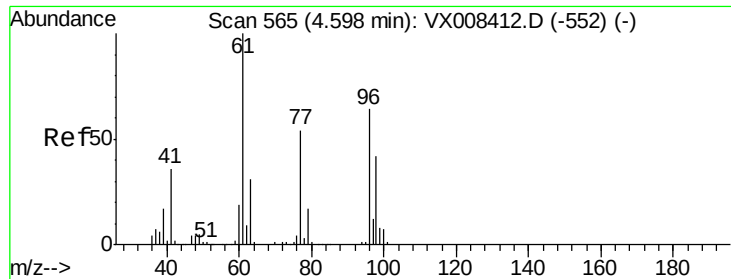
Tgt Ion: 77 Resp: 2881

Ion Ratio Lower Upper

77 100

97 26.7 11.2 33.6





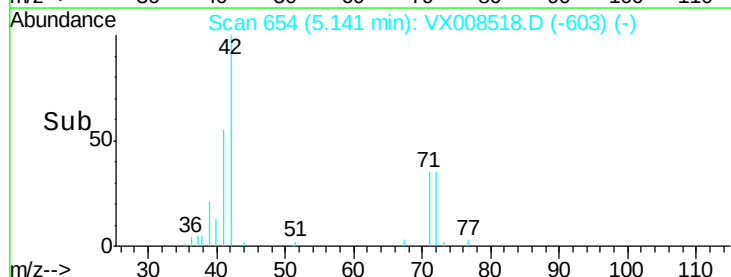
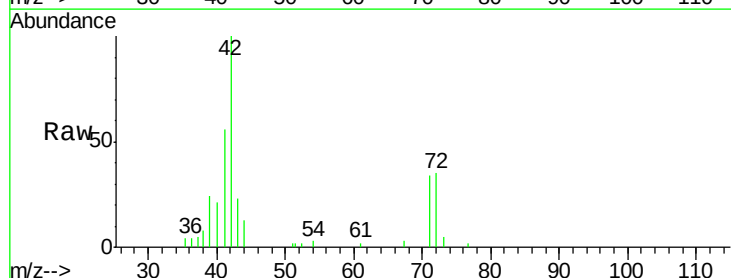
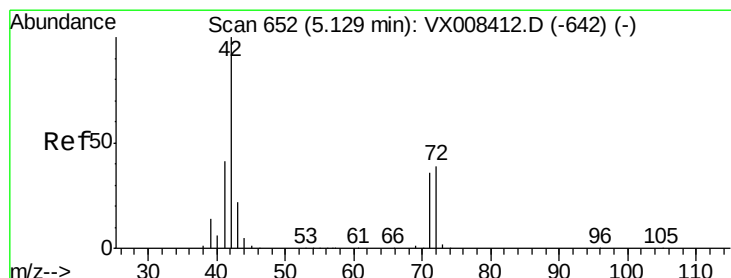
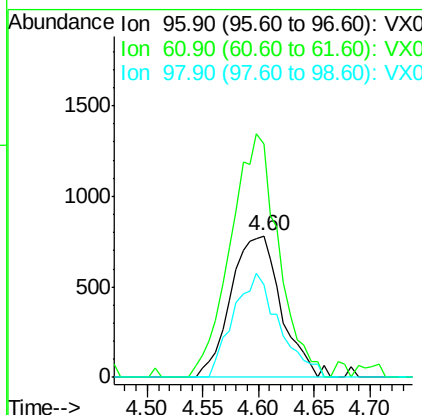
#27
 cis-1,2-Dichloroethene
 Concen: 0.392 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tot Ion	Ratio	Resp	Lower	Upper
96	100	2449		
61	164.4		0.0	325.6
98	67.0		0.0	130.0

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

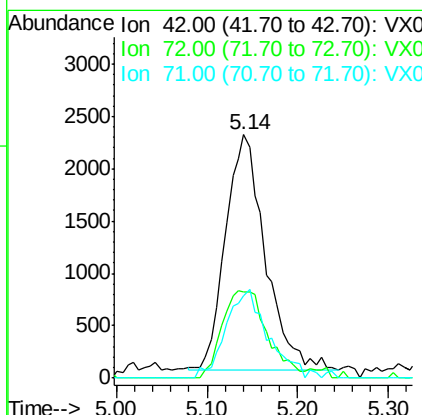
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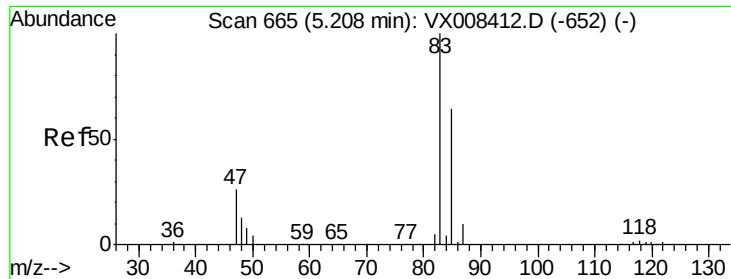
MMDadoda
 3/29/2019 10:51:51 AM



#29
 Tetrahydrofuran
 Concen: 1.848 ug/l
 RT: 5.14 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	6802		
72	42.8		31.4	47.2
71	39.9		29.4	44.2





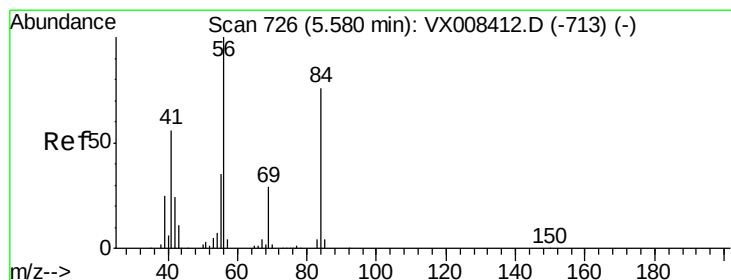
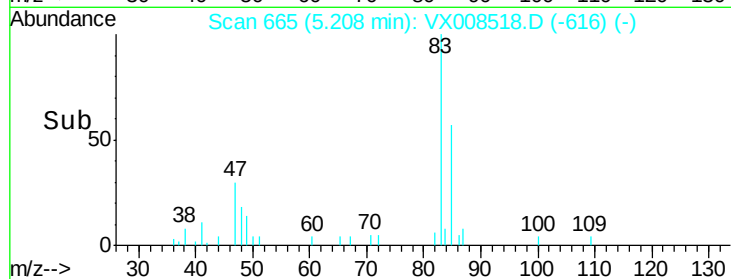
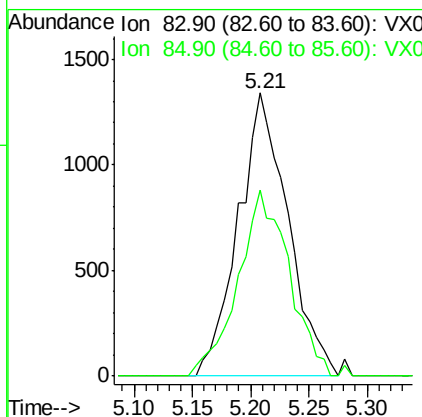
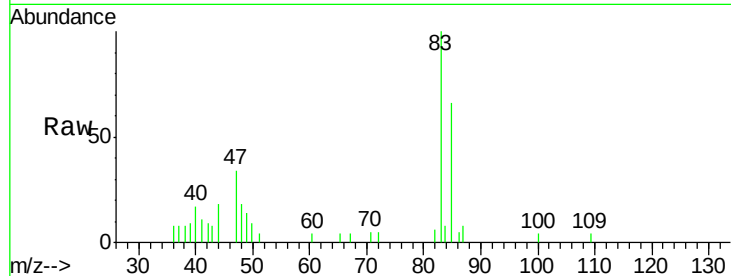
#30
Chloroform
Concen: 0.394 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion: 83 Resp: 3986
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.2

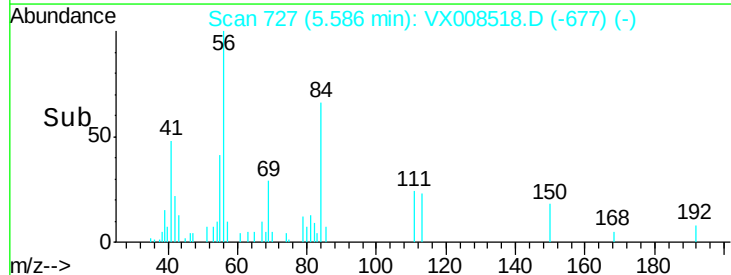
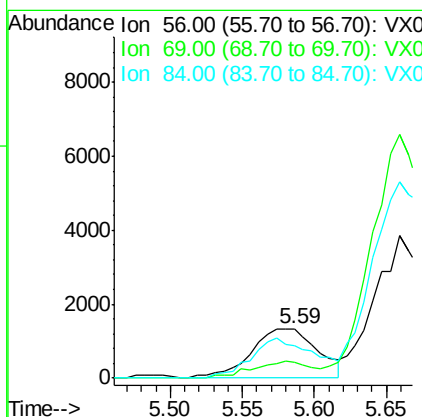
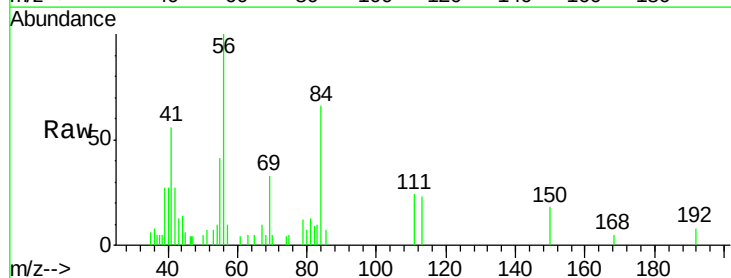
Manual Integrations
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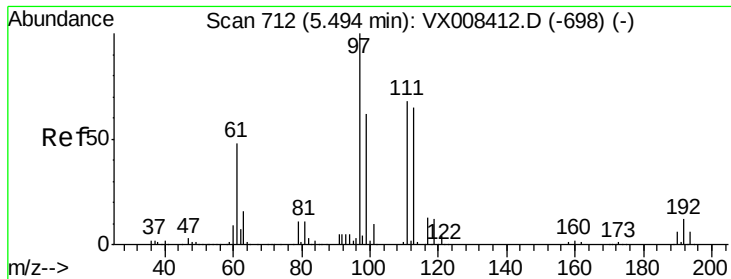
MMDadoda
3/29/2019 10:51:51 AM



#31
Cyclohexane
Concen: 0.398 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 56 Resp: 4251
Ion Ratio Lower Upper
56 100
69 32.6 23.2 34.8
84 66.0 60.7 91.1





#32

1,1,1-Trichloroethane

Concen: 0.399 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

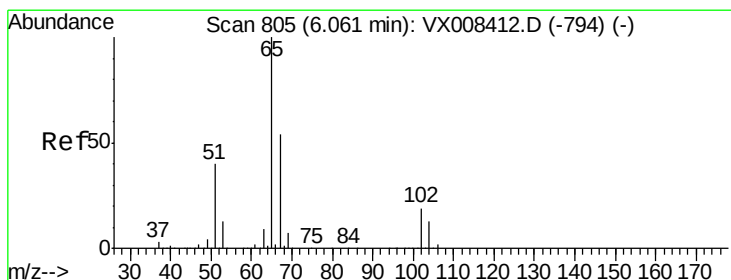
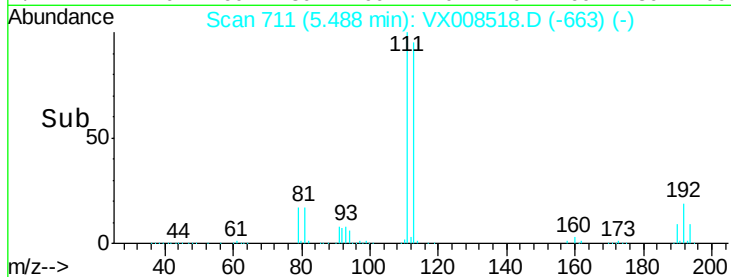
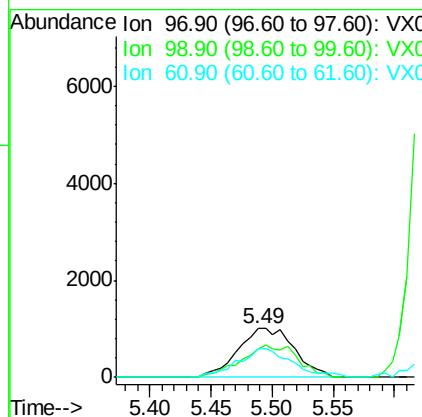
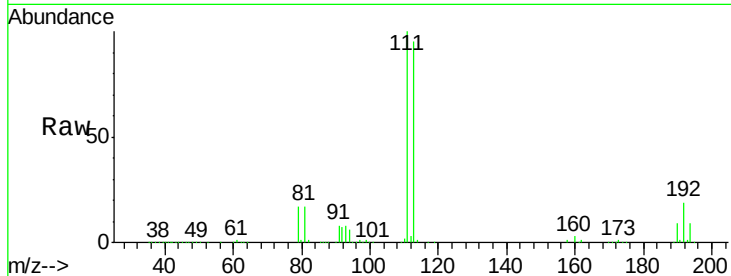
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	97	Resp:	3222
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	56.5	38.8	58.2

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MMDadoda
3/29/2019 10:51:51 AM



#33

1,2-Dichloroethane-d4

Concen: 49.293 ug/l

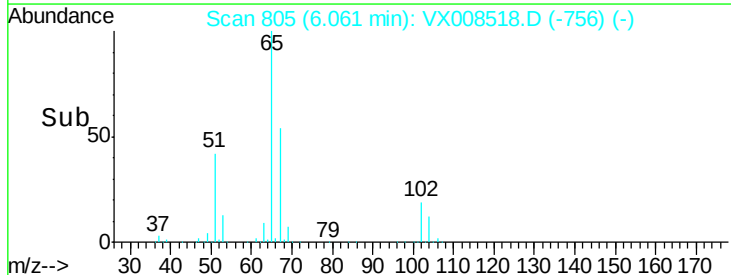
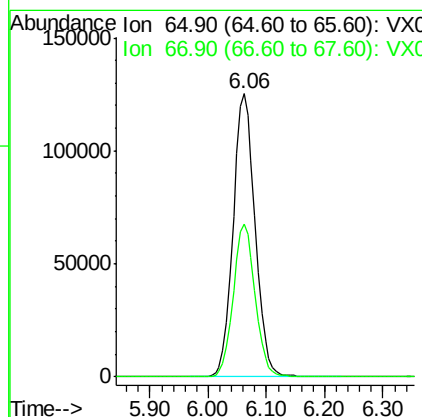
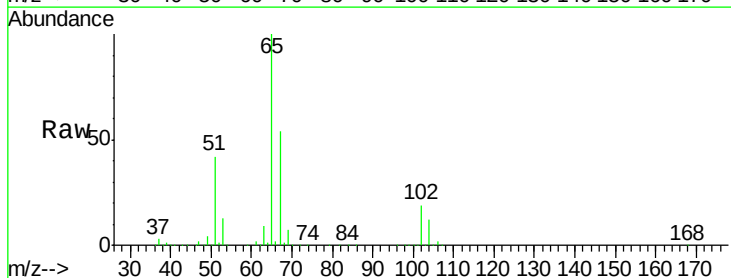
RT: 6.06 min Scan# 805

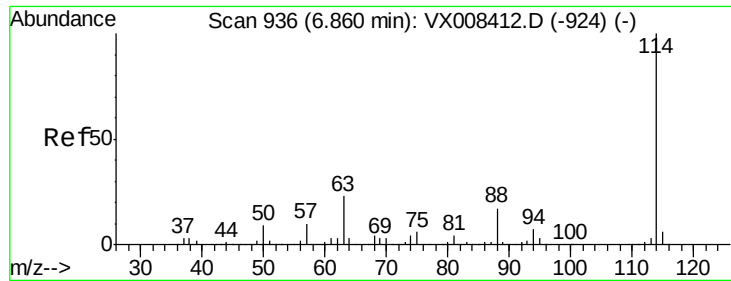
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	65	Resp:	328535
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	109.4





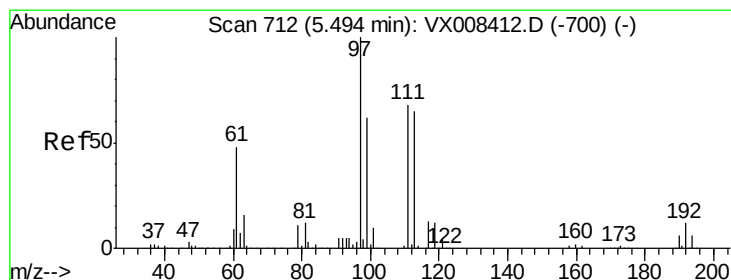
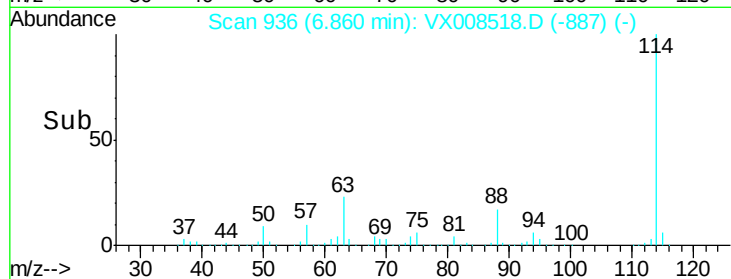
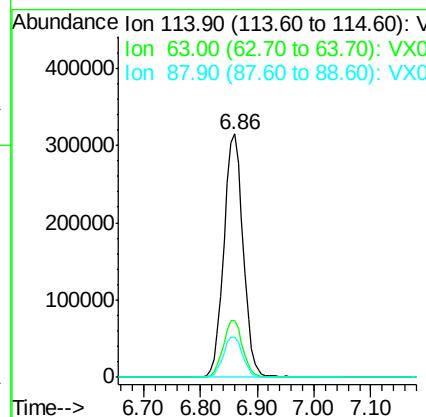
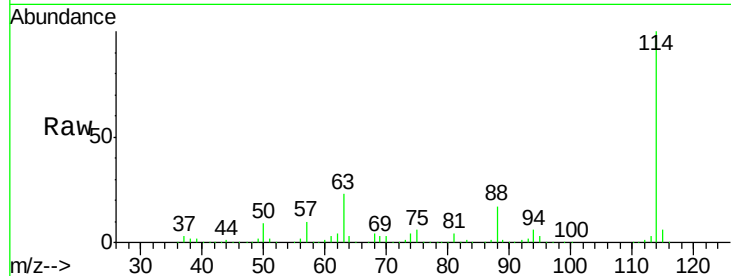
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Resp	Lower	Upper
114	100	741964		
63	23.5	0.0	46.4	
88	16.6	0.0	33.2	

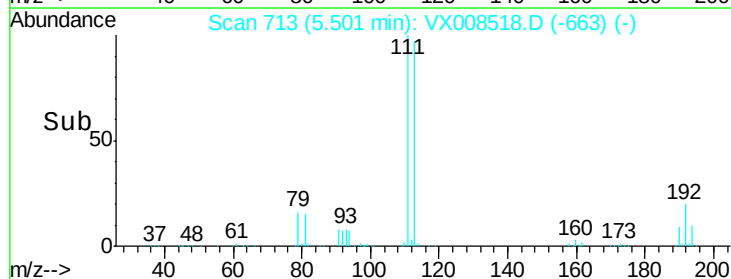
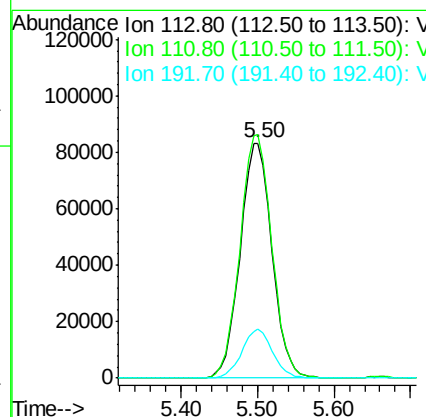
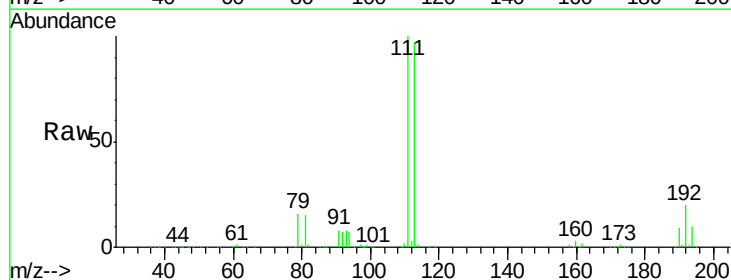
Manual Integrations
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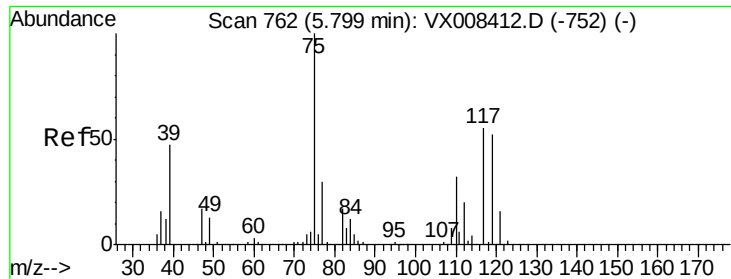
MMDadoda
 3/29/2019 10:51:51 AM



#35
 Dibromofluoromethane
 Concen: 49.554 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	239741		
111	103.8	83.0	124.4	
192	20.1	15.6	23.4	





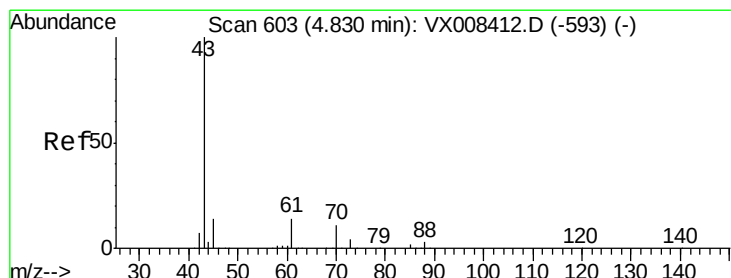
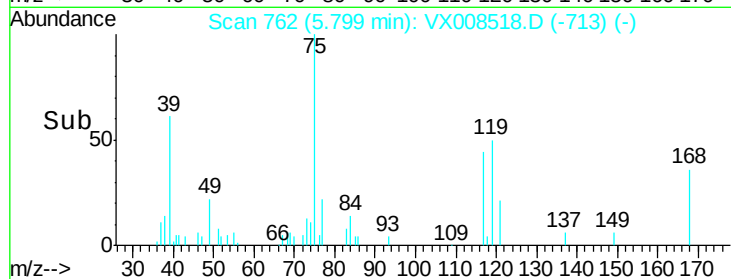
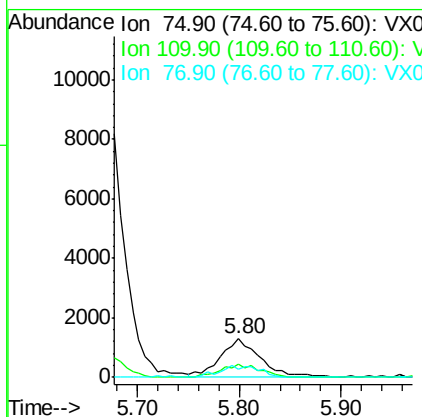
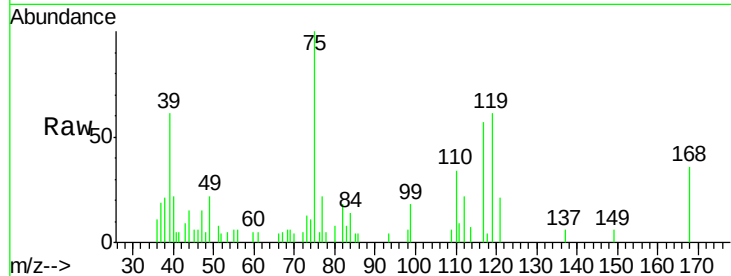
#36
 1,1-Dichloropropene
 Concen: 0.449 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.6	49.7
77	15.0	24.2	36.2#

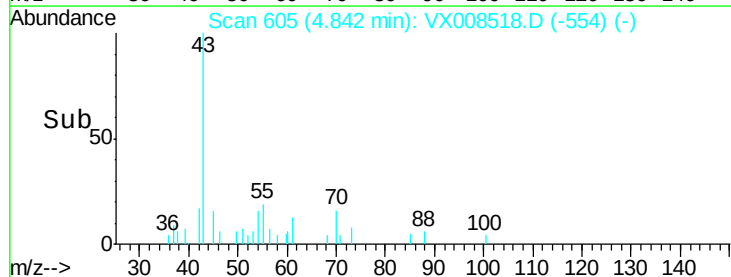
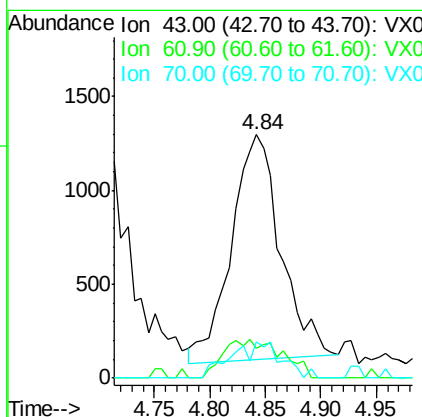
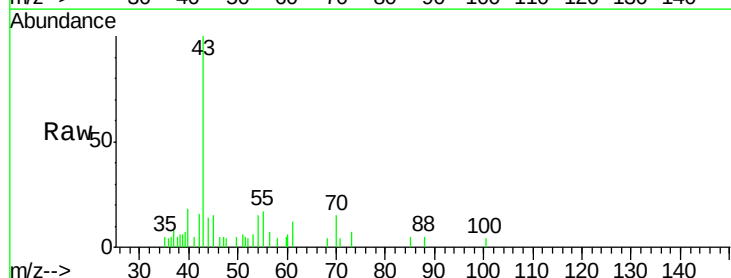
Manual Integrations
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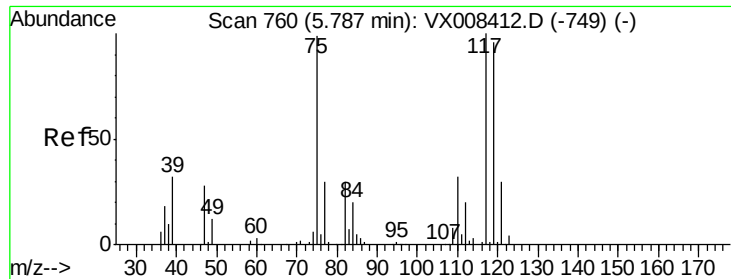
MMDadoda
 3/29/2019 10:51:51 AM



#37
 Ethyl Acetate
 Concen: 0.360 ug/l
 RT: 4.84 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.5	10.5	15.7#
70	9.2	7.8	11.8





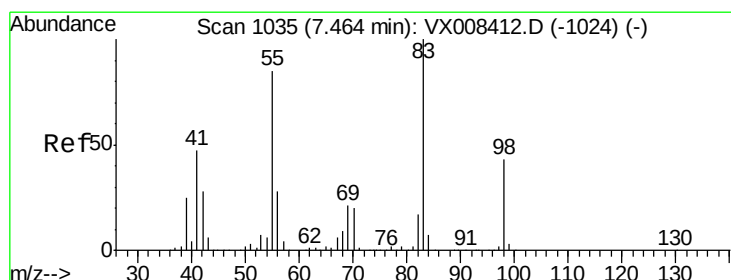
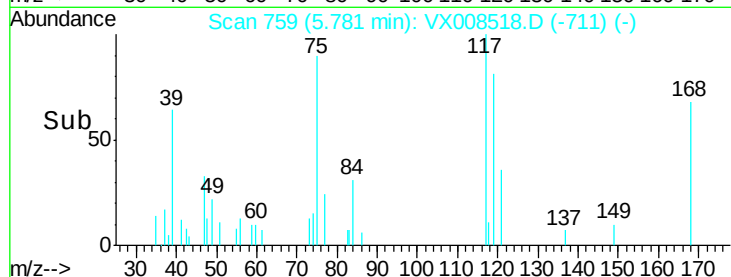
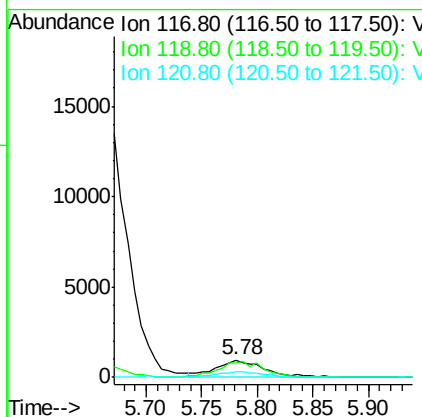
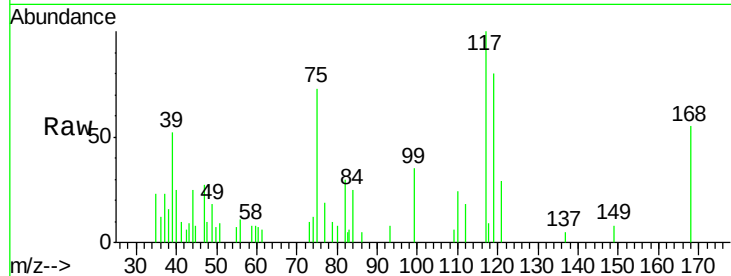
#38
Carbon Tetrachloride
Concen: 0.431 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	80.1	76.7	115.1
121	29.4	24.3	36.5

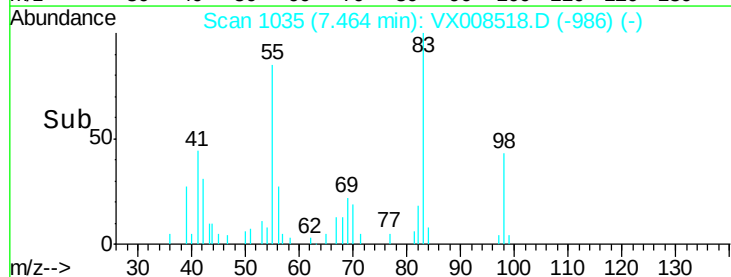
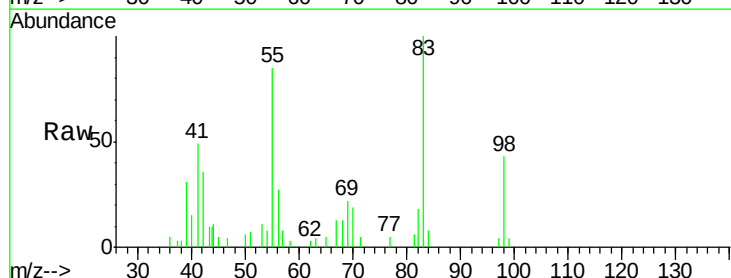
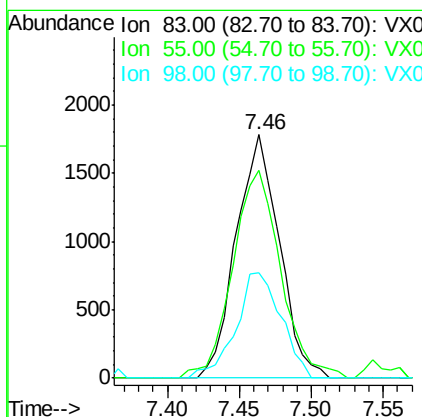
Manual Integrations
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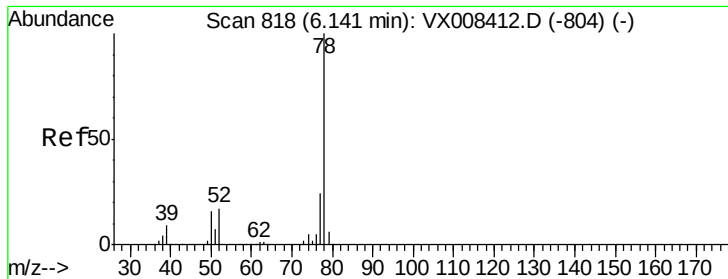
MMDadoda
3/29/2019 10:51:51 AM



#39
Methylcyclohexane
Concen: 0.392 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.2	68.2	102.4
98	43.0	34.2	51.4





#40

Benzene

Concen: 0.408 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 78 Resp: 9667

Ion Ratio Lower Upper

78 100

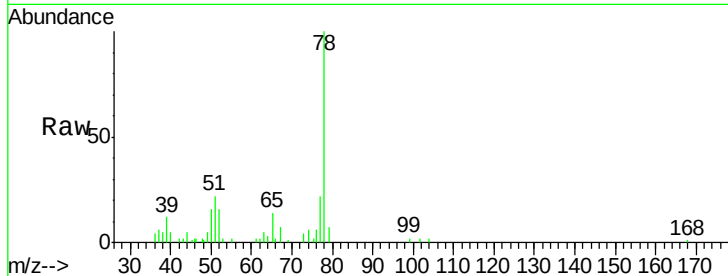
77 22.1 19.3 28.9

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3/29/2019 10:51:51 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

4000

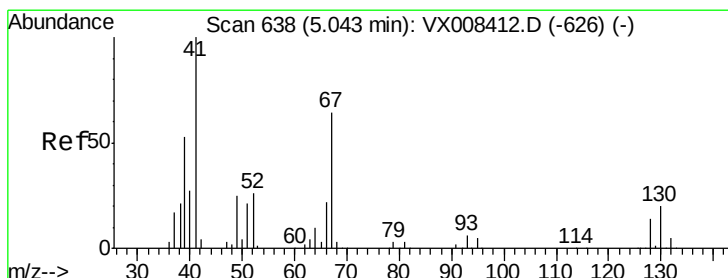
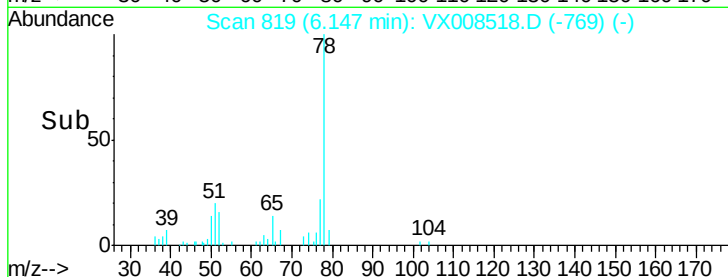
3000

2000

1000

0

Time-->



#41

Methacrylonitrile

Concen: 0.413 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion: 41 Resp: 2380

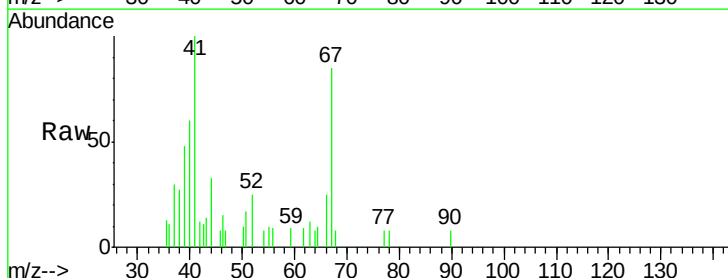
Ion Ratio Lower Upper

41 100

39 51.3 42.6 64.0

67 71.6 52.2 78.4

52 34.0 21.4 32.0#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

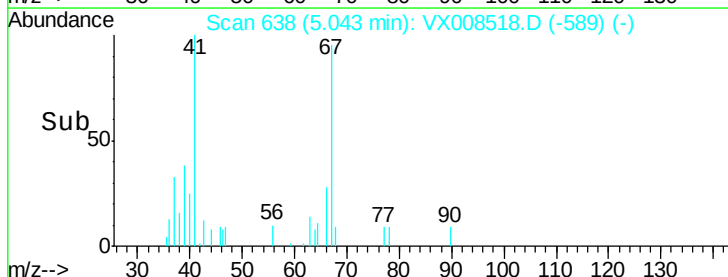
1500

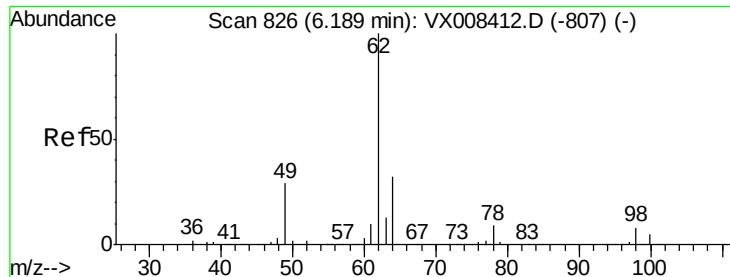
1000

500

0

Time-->





#42

1,2-Dichloroethane

Concen: 0.445 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 62 Resp: 3862

Ion Ratio Lower Upper

62 100

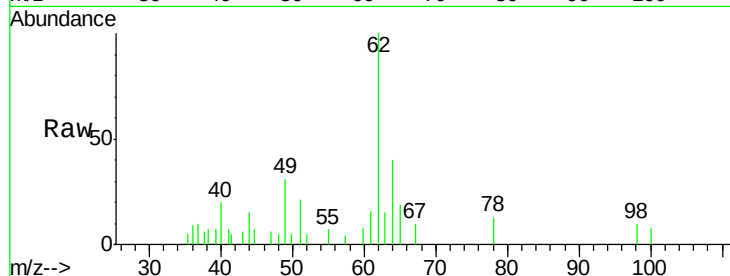
98 8.8 0.0 17.6

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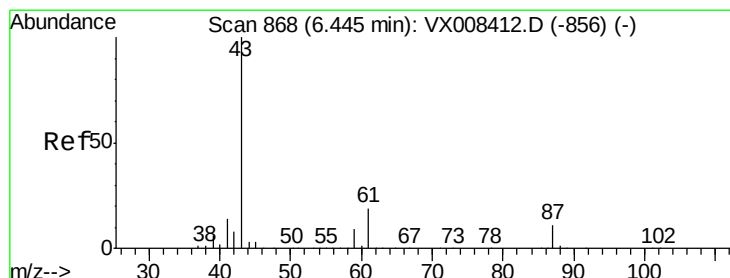
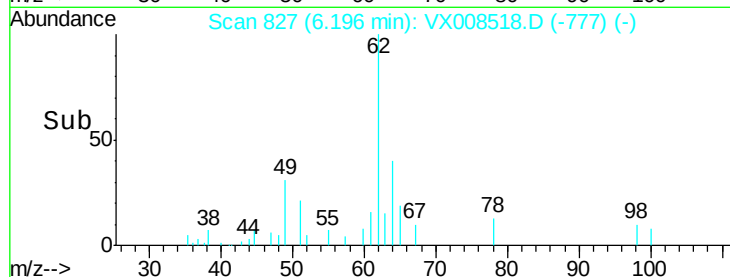
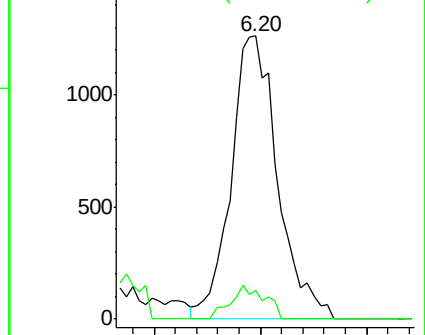
MMDadoda

3/29/2019 10:51:51 AM



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 0.352 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

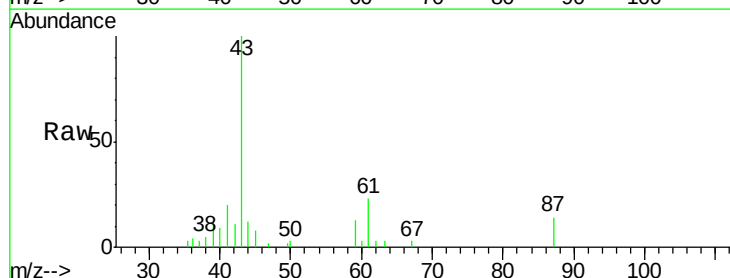
Tgt Ion: 43 Resp: 5774

Ion Ratio Lower Upper

43 100

61 23.1 15.4 23.2

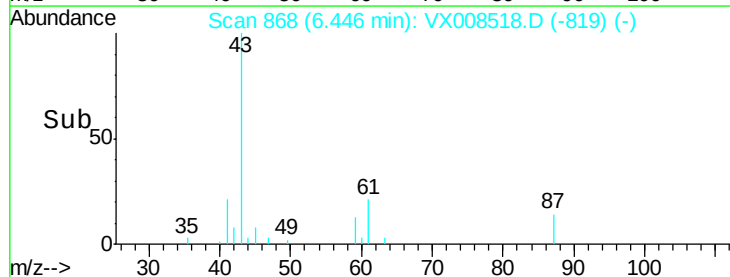
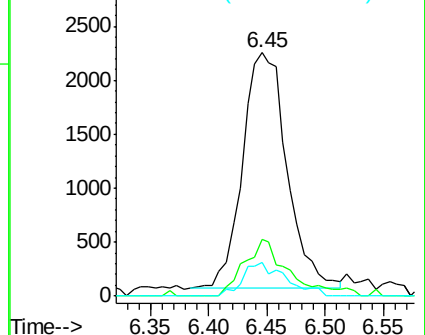
87 13.9 9.1 13.7#

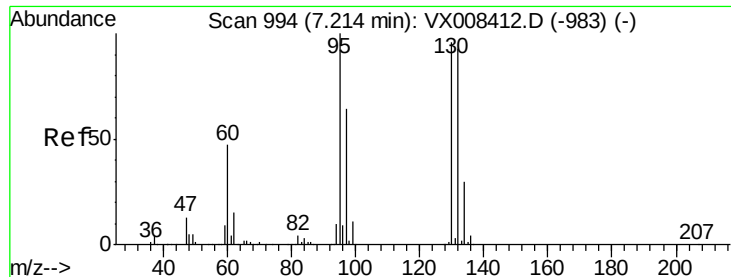


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: 0.388 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:130 Resp: 2155

Ion Ratio Lower Upper

130 100

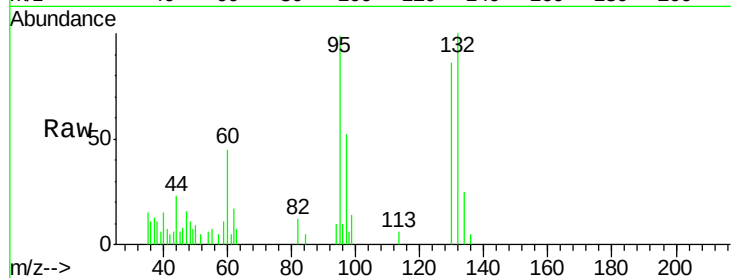
95 115.1 0.0 208.8

Manual Integrations

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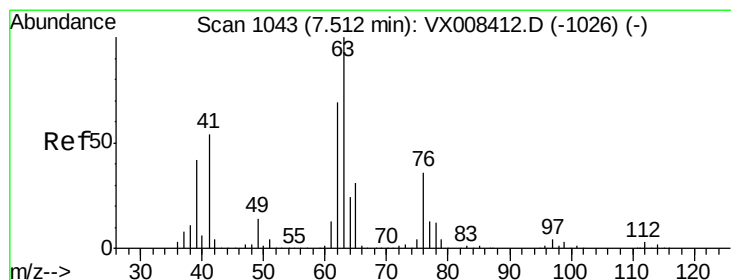
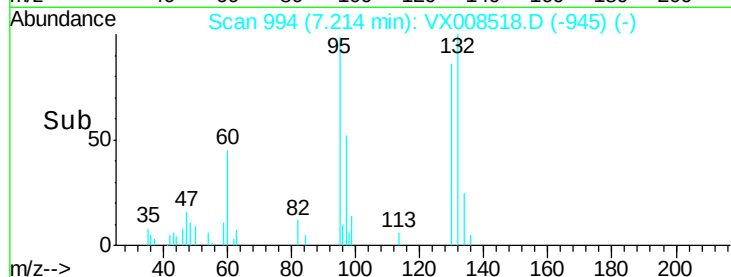
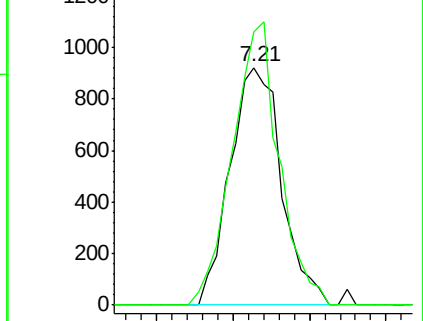
MMDadoda

3/29/2019 10:51:51 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: 0.450 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008518.D

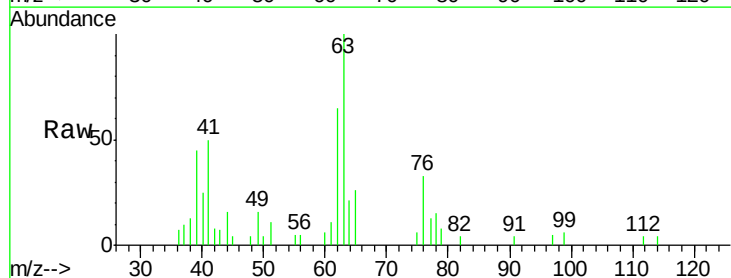
Acq: 28 Mar 2019 14:40

Tgt Ion: 63 Resp: 3026

Ion Ratio Lower Upper

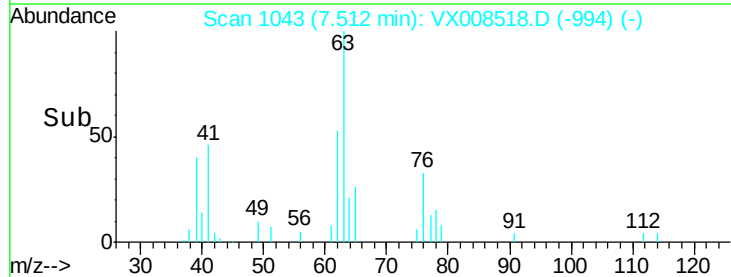
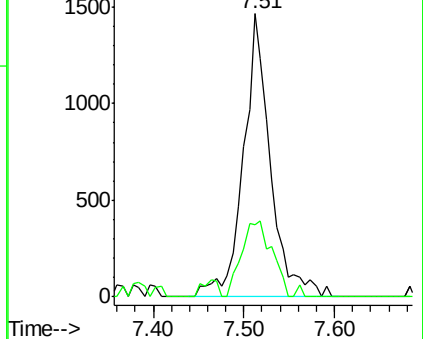
63 100

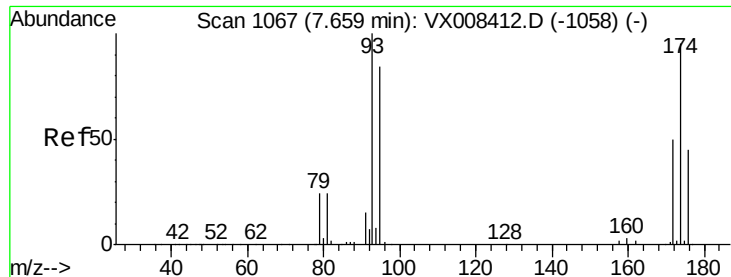
65 25.5 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.406 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

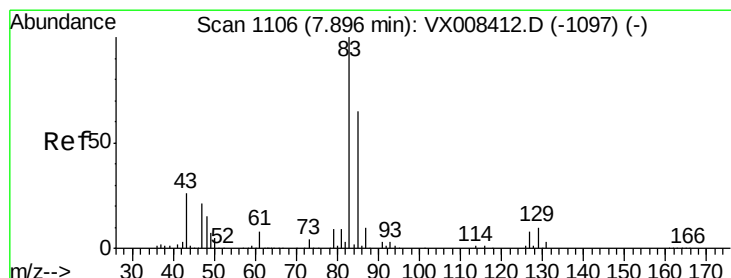
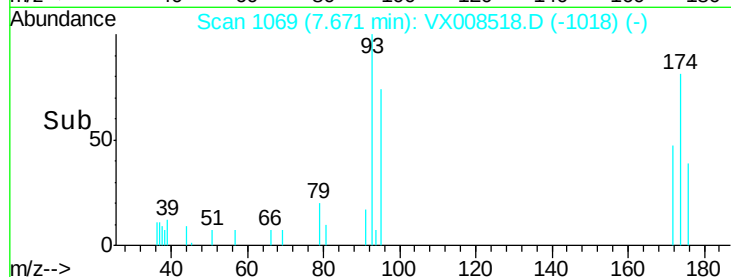
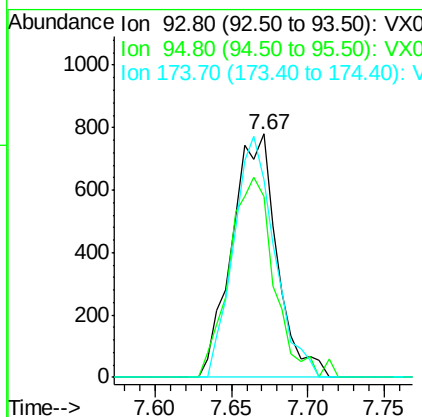
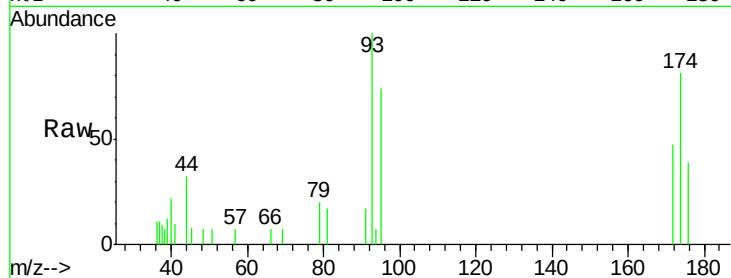
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	93	Resp:	1597
Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.0	100.6
174	89.8	76.0	114.0

Manual Integrations
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MMDadoda
3/29/2019 10:51:51 AM



#47

Bromodichloromethane

Concen: 0.374 ug/l

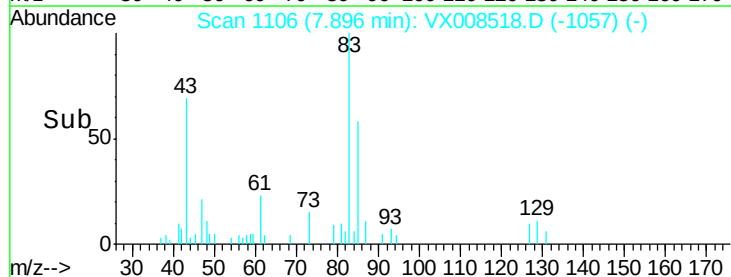
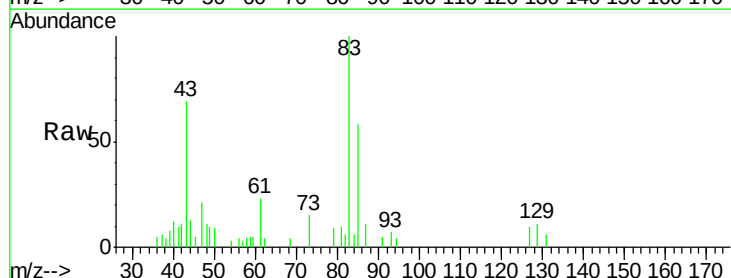
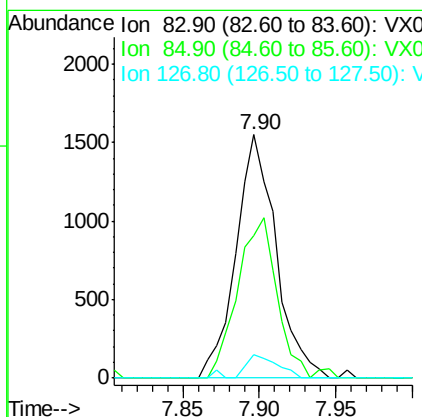
RT: 7.90 min Scan# 1106

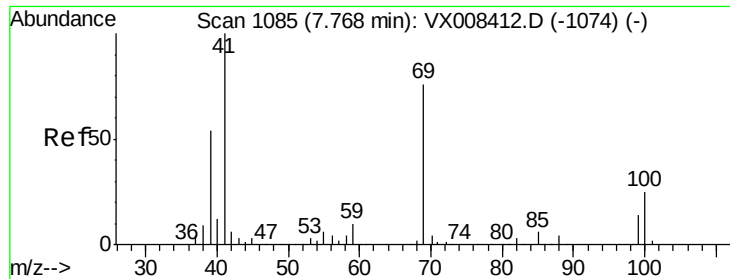
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	83	Resp:	2816
Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.0	78.0
127	9.7	6.4	9.6#





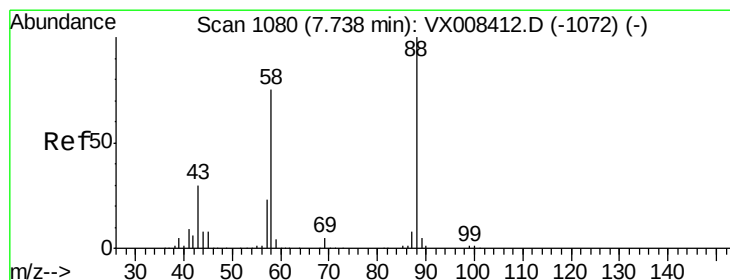
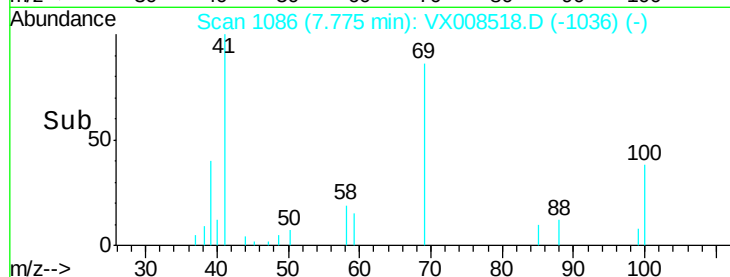
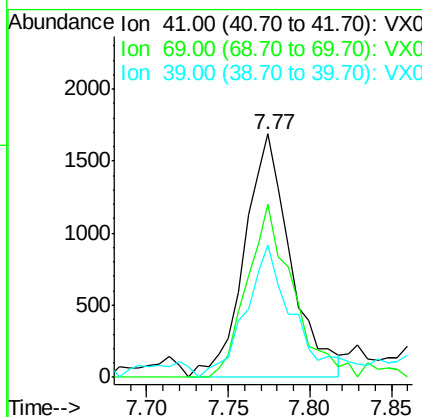
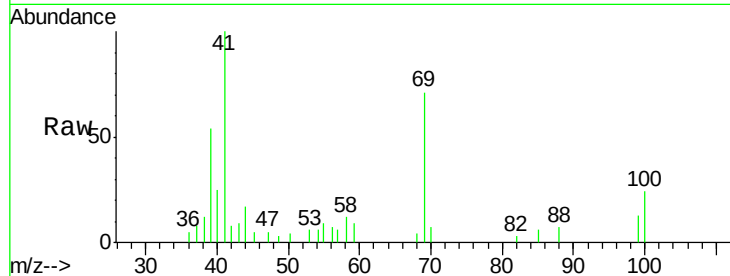
#48
Methvl methacrylate
Concen: 0.405 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion:	41	Resp:	3320
Ion	Ratio	Lower	Upper
41	100		
69	70.3	60.8	91.2
39	57.5	42.3	63.5

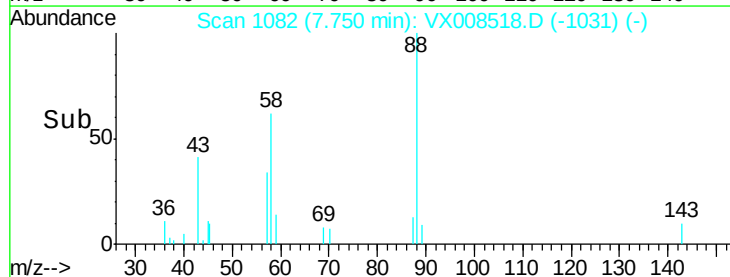
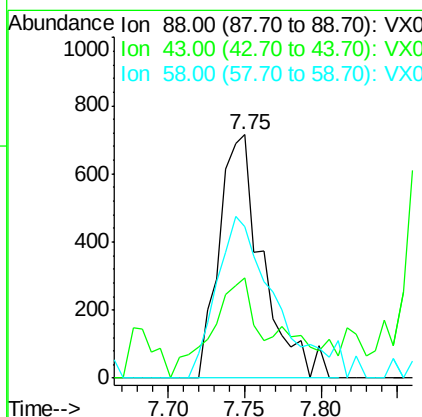
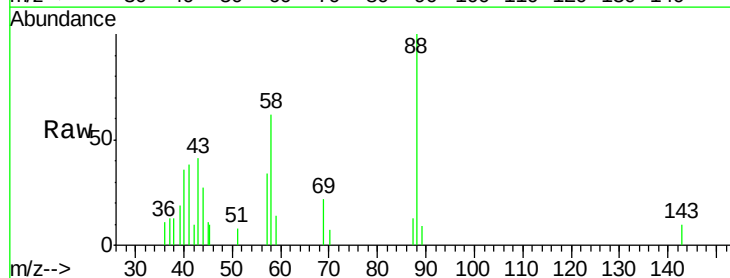
Manual Integrations
APPROVED

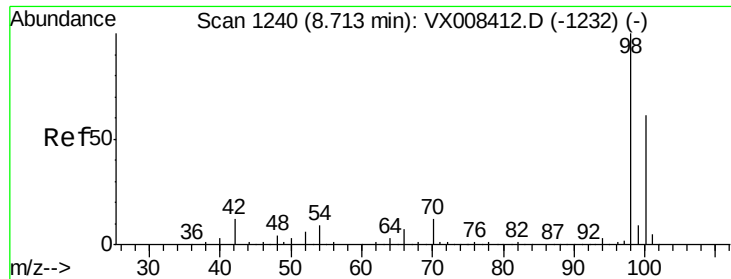
MMDadoda
3/29/2019 10:51:51 AM



#49
1,4-Dioxane
Concen: 8.627 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion:	88	Resp:	1407
Ion	Ratio	Lower	Upper
88	100		
43	40.9	28.6	43.0
58	92.0	63.0	94.4





#50

Toluene-d8

Concen: 50.151 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 98 Resp: 970166

Ion Ratio Lower Upper

98 100

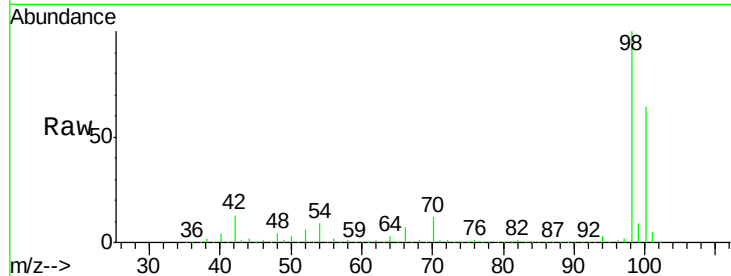
100 63.9 51.1 76.7

Manual Integrations

APPROVED

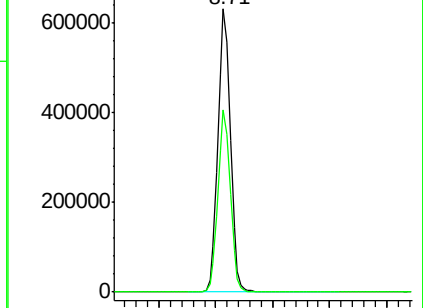
MMDadoda

3/29/2019 10:51:51 AM

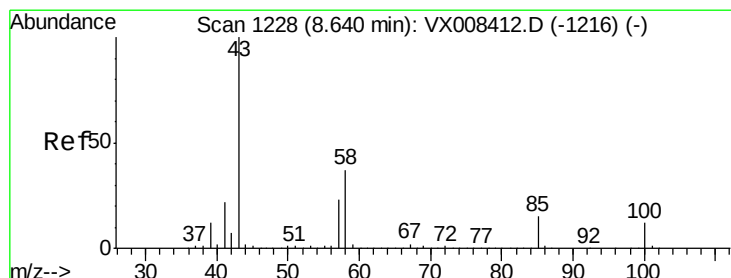
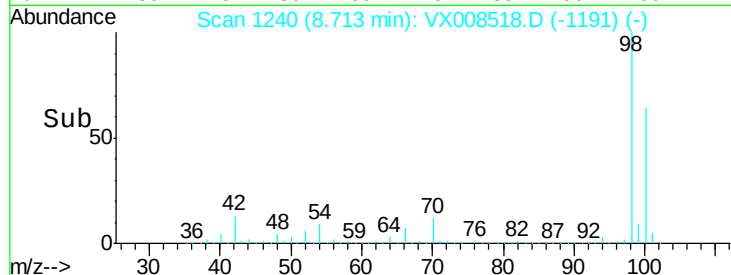


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.785 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008518.D

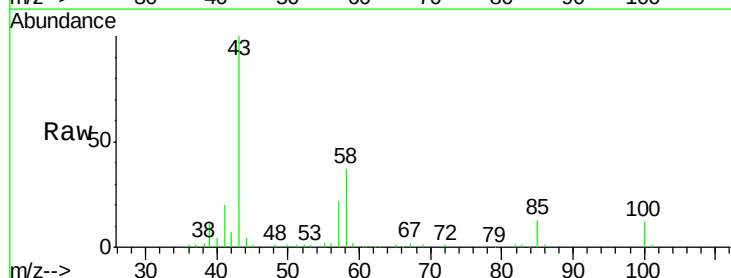
Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 19010

Ion Ratio Lower Upper

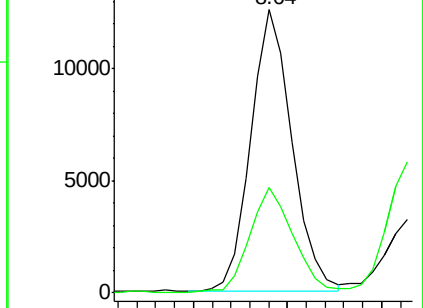
43 100

58 39.7 29.8 44.8

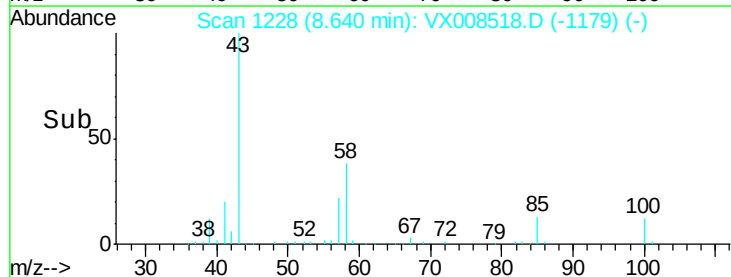


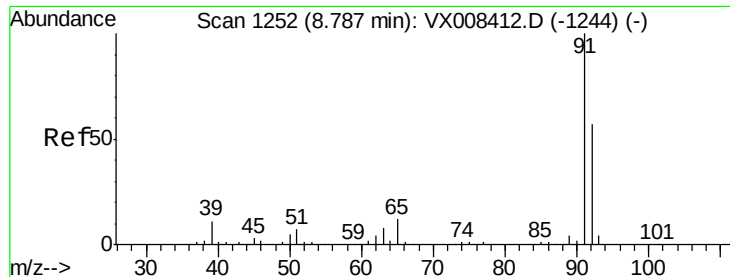
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#52

Toluene

Concen: 0.416 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 92 Resp: 5893

Ion Ratio Lower Upper

92 100

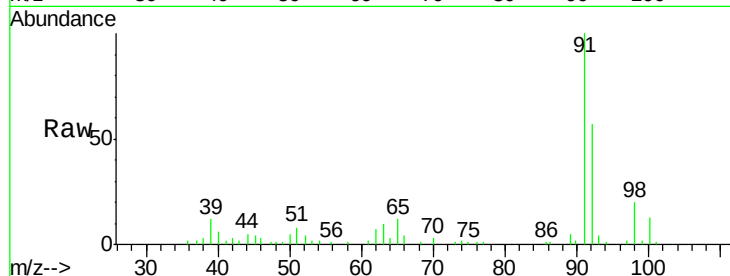
91 179.0 140.2 210.4

Manual Integrations

APPROVED

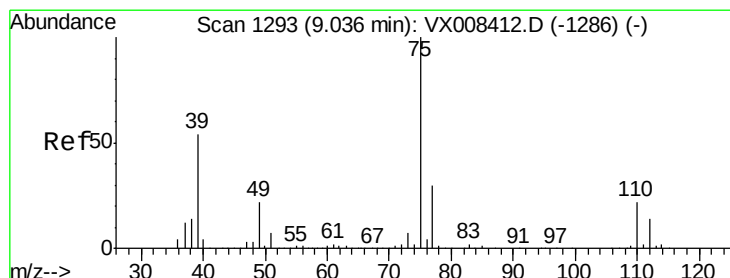
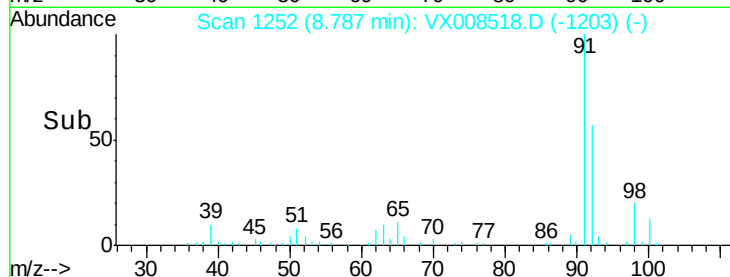
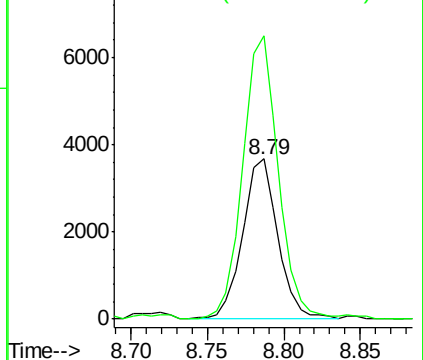
MMDadoda

3/29/2019 10:51:51 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: 0.321 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX008518.D

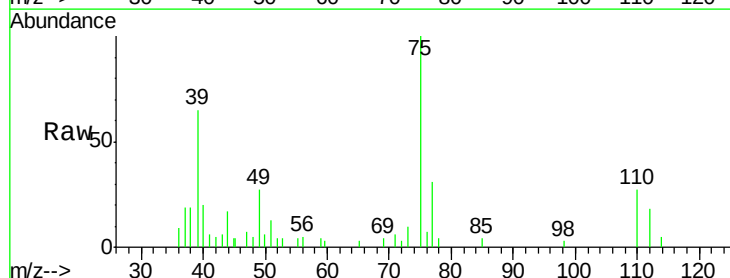
Acq: 28 Mar 2019 14:40

Tgt Ion: 75 Resp: 2642

Ion Ratio Lower Upper

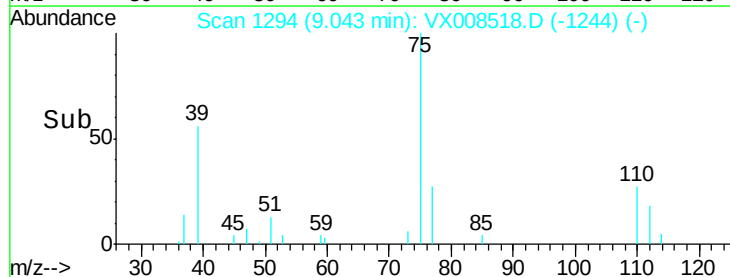
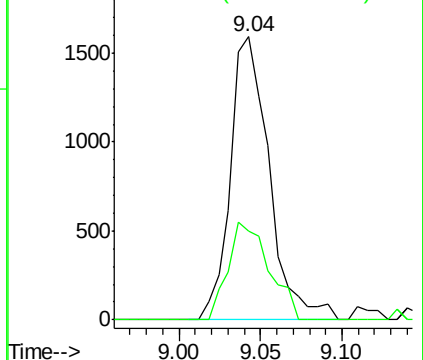
75 100

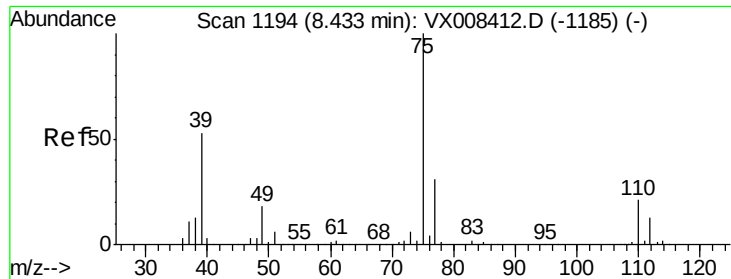
77 31.4 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





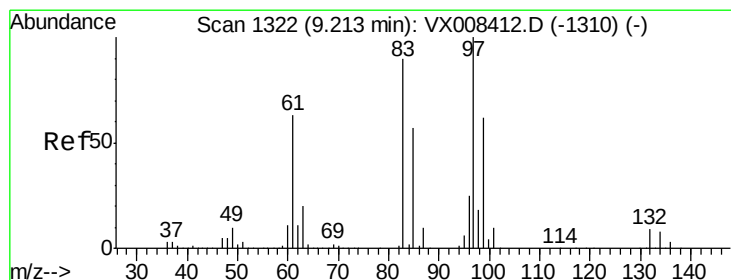
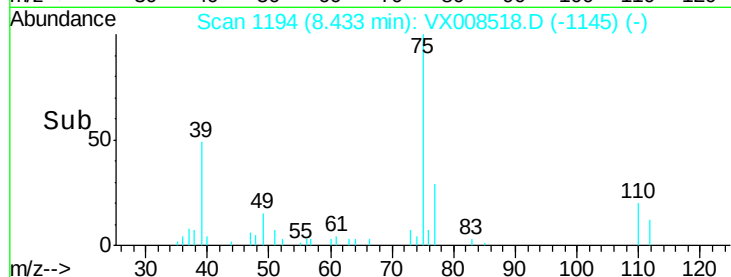
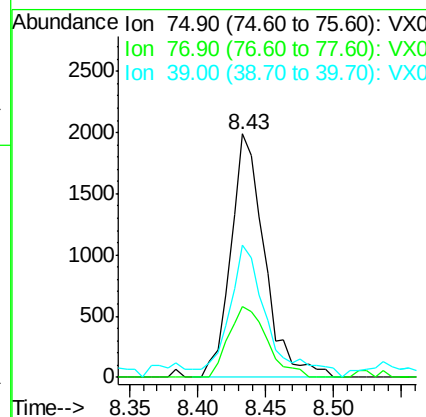
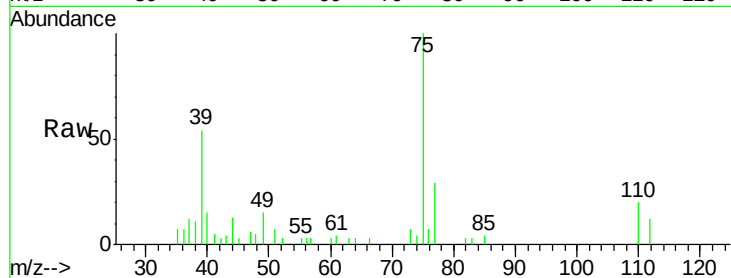
#54
 cis-1,3-Dichloropropene
 Concen: 0.365 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	24.7	37.1
39	54.2	42.4	63.6

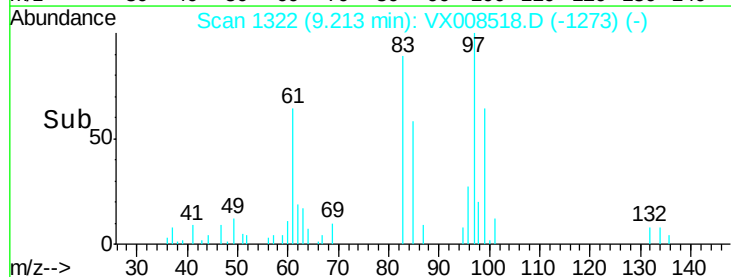
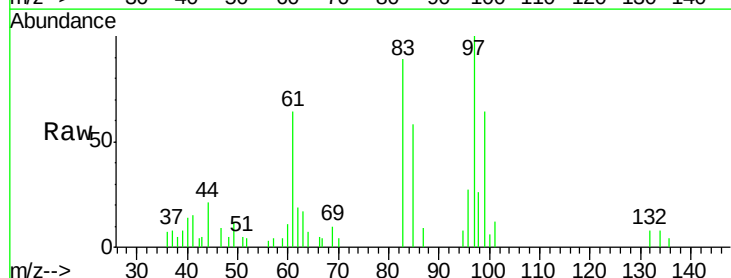
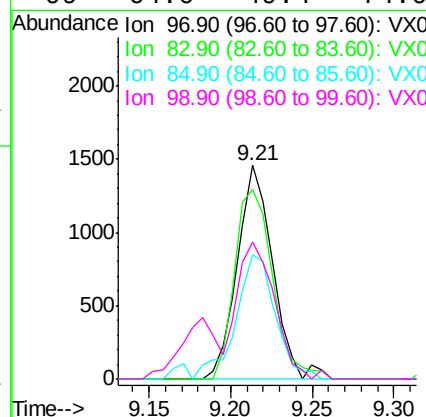
Manual Integrations
 APPROVED

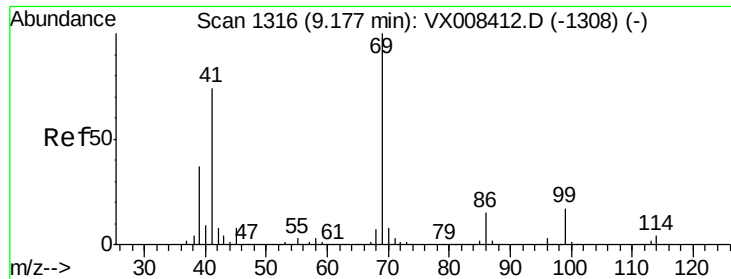
MMDadoda
 3/29/2019 10:51:51 AM



#55
 1,1,2-Trichloroethane
 Concen: 0.385 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	71.8	107.6
85	58.2	45.9	68.9
99	64.0	49.4	74.0





#56

Ethyl methacrylate

Concen: 0.354 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

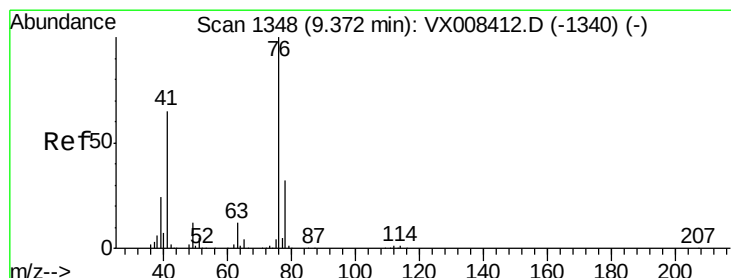
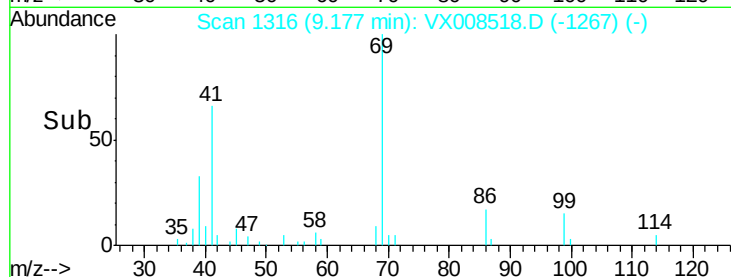
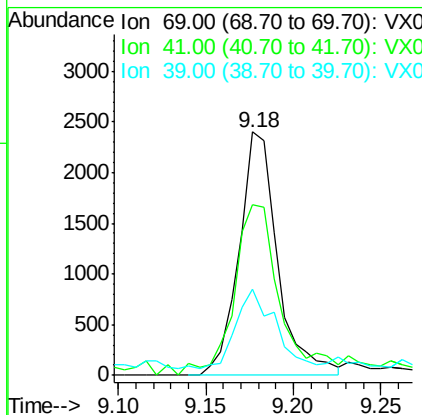
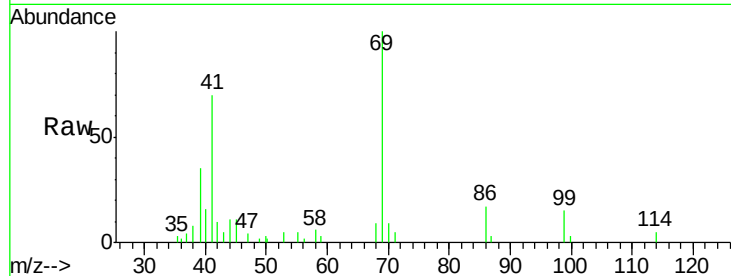
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	69	Resp:	3686
Ion	Ratio	Lower	Upper
69	100		
41	83.2	59.5	89.3
39	32.9	29.3	43.9

Manual Integrations
APPROVED

MMDadoda
3/29/2019 10:51:51 AM



#57

1,3-Dichloropropane

Concen: 0.379 ug/l

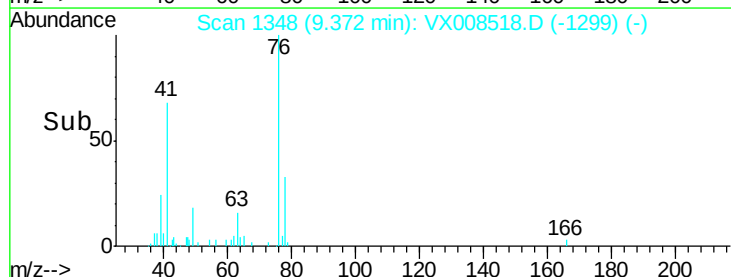
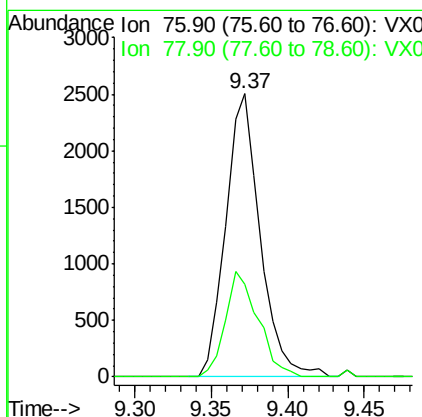
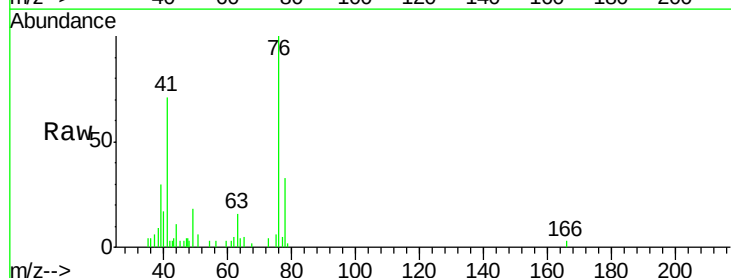
RT: 9.37 min Scan# 1348

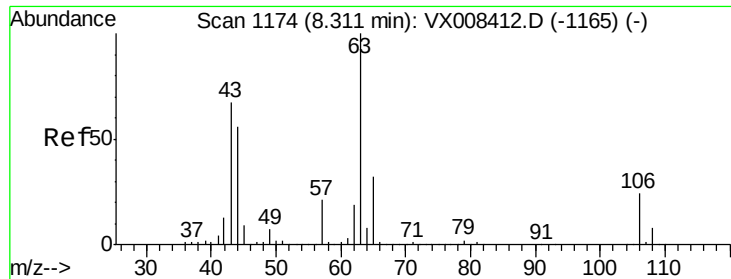
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	76	Resp:	3915
Ion	Ratio	Lower	Upper
76	100		
78	35.4	25.8	38.8





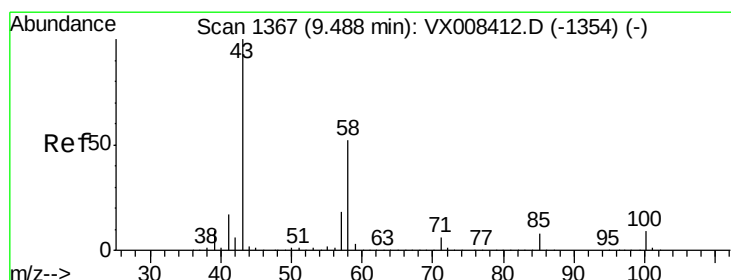
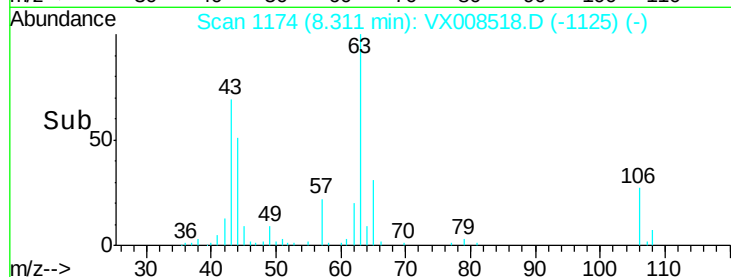
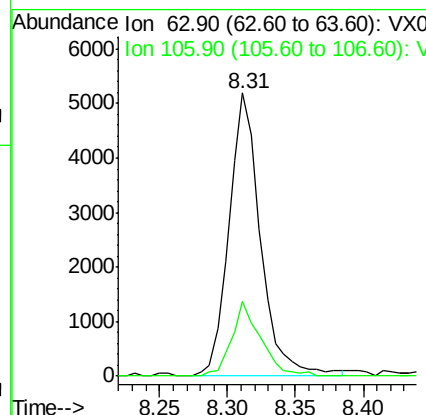
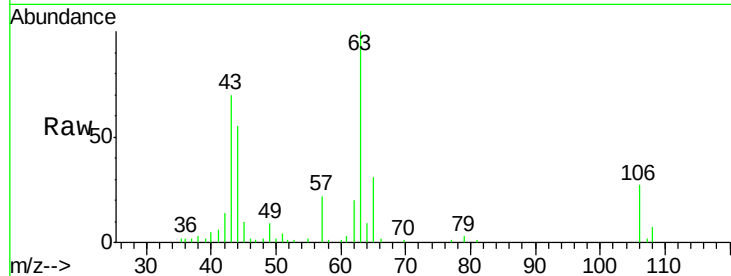
#58
2-Chloroethyl Vinyl ether
Concen: 1.557 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion: 63 Resp: 8373
Ion Ratio Lower Upper
63 100
106 24.5 19.0 28.6

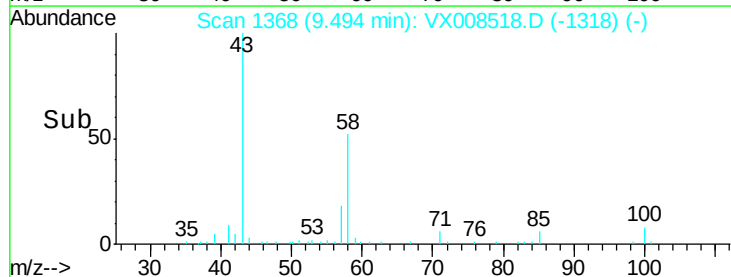
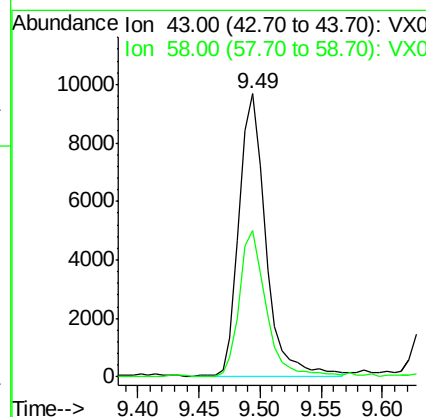
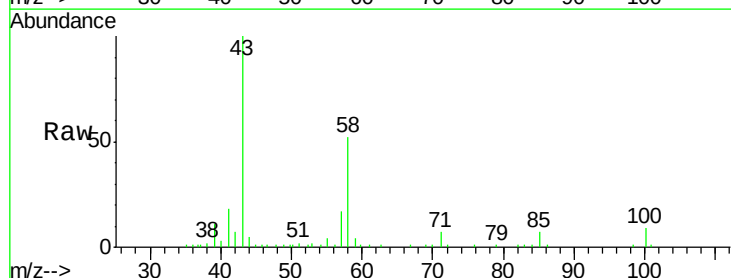
Manual Integrations
APPROVED

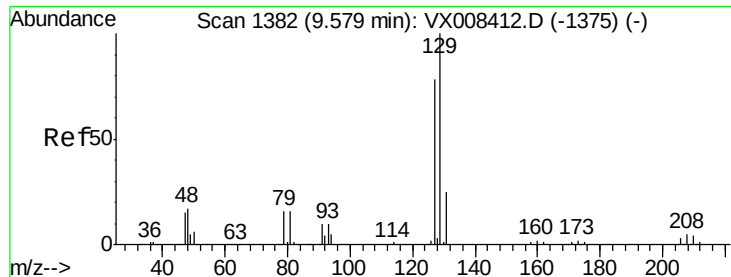
MMDadoda
3/29/2019 10:51:51 AM



#59
2-Hexanone
Concen: 1.796 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 43 Resp: 14817
Ion Ratio Lower Upper
43 100
58 51.1 26.3 78.9





#60

Dibromochloromethane

Concen: 0.323 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:129 Resp: 1770

Ion Ratio Lower Upper

129 100

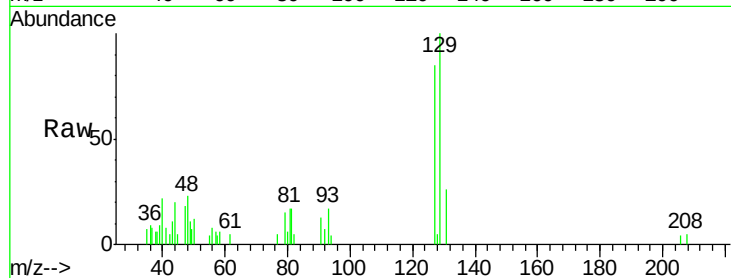
127 78.8 38.1 114.3

Manual Integrations

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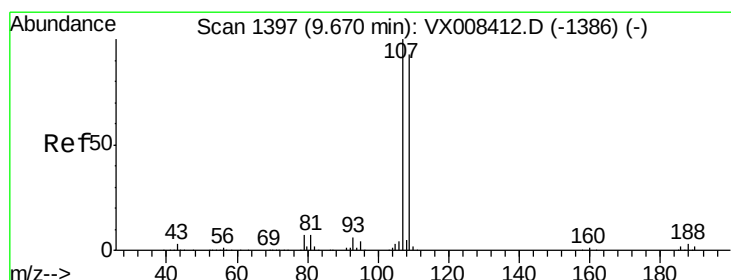
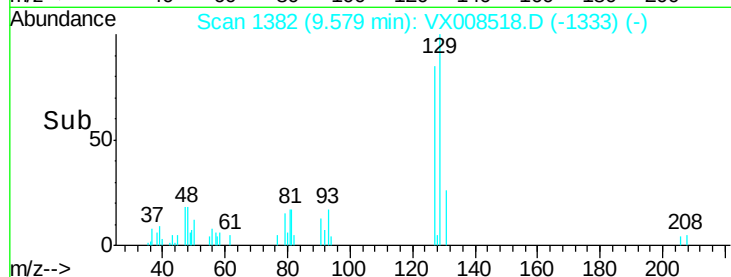
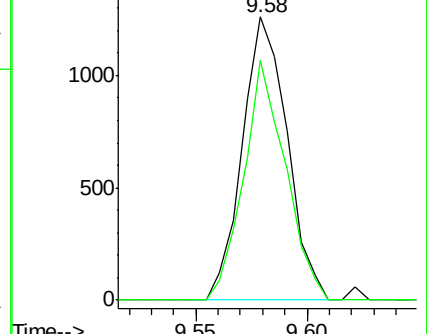
MMDadoda

3/29/2019 10:51:51 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.374 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008518.D

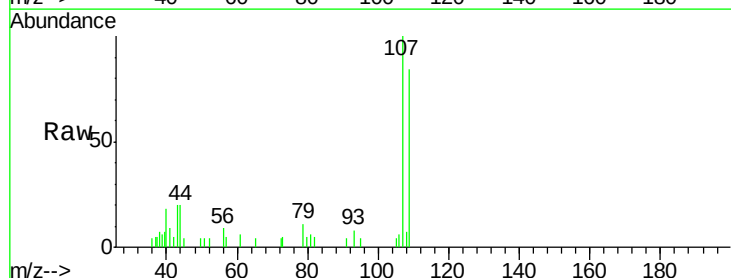
Acq: 28 Mar 2019 14:40

Tgt Ion:107 Resp: 2203

Ion Ratio Lower Upper

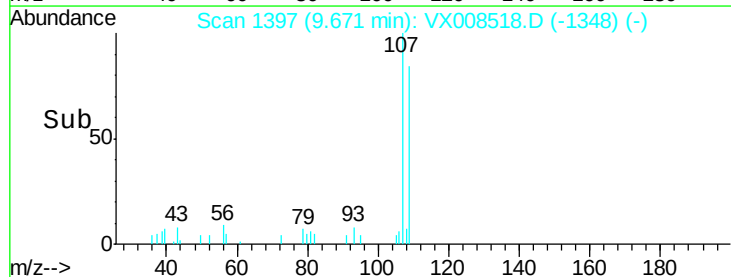
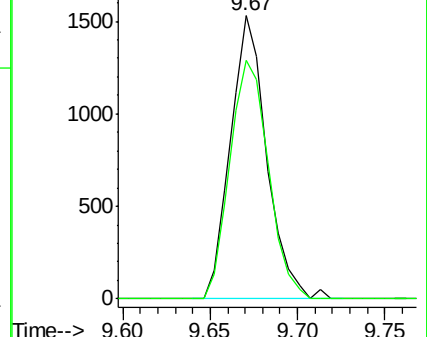
107 100

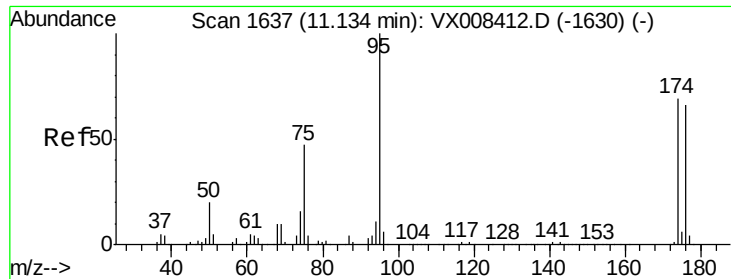
109 89.6 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





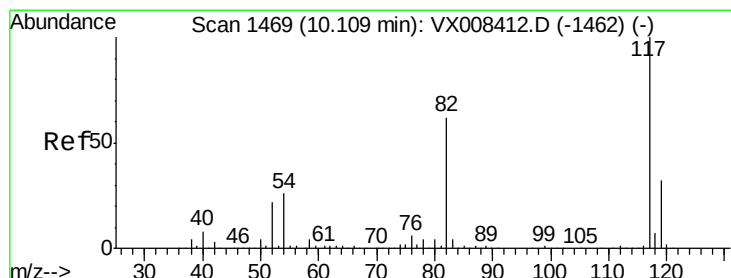
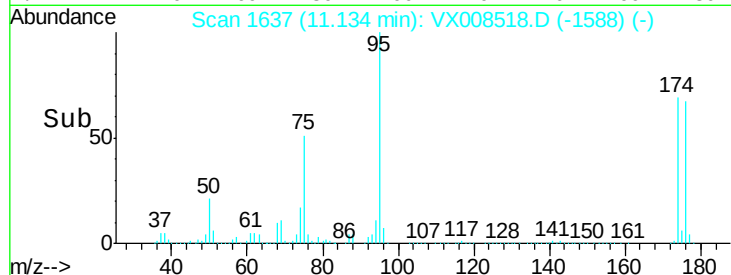
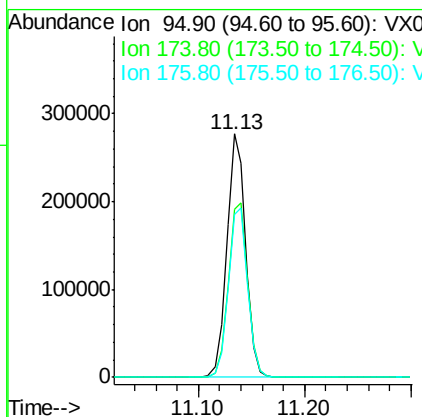
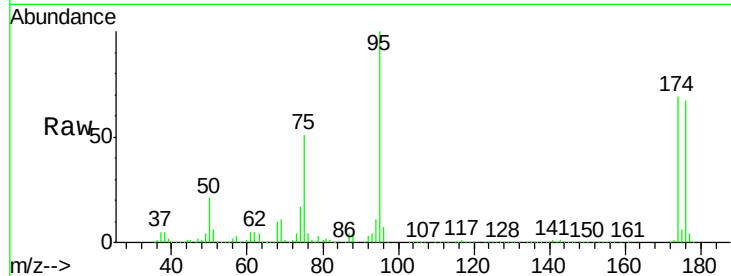
#62
4-Bromofluorobenzene
Concen: 47.433 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Resp	Lower	Upper
95	100	340026		
174	74.2	0.0	147.2	
176	71.8	0.0	142.4	

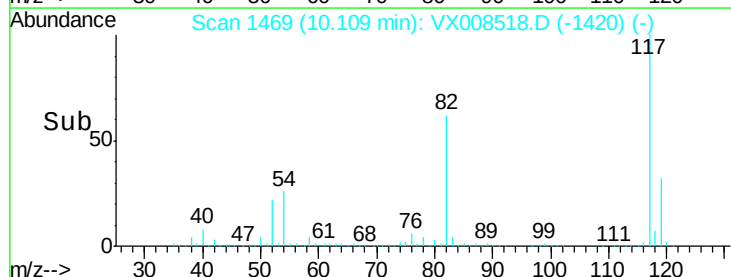
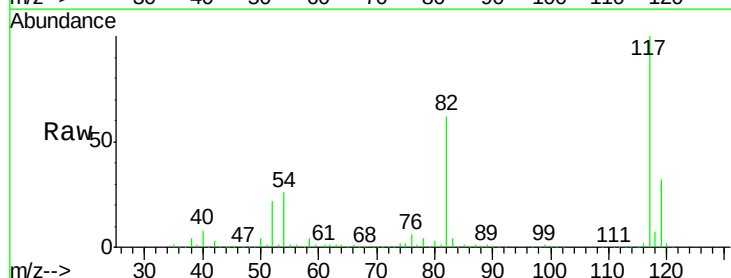
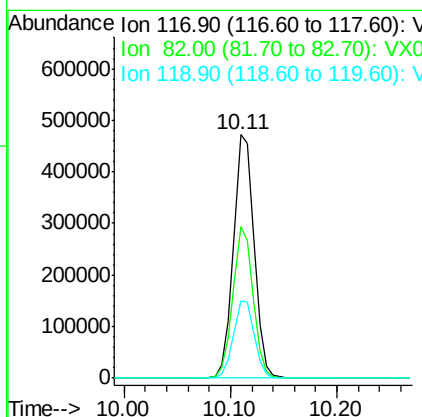
Manual Integrations
APPROVED

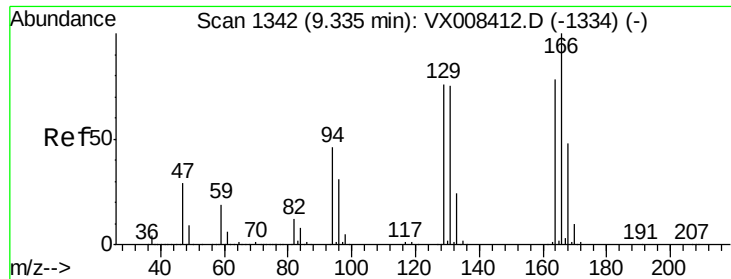
MMDadoda
3/29/2019 10:51:51 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	647454		
82	62.5	49.4	74.2	
119	31.7	25.4	38.0	





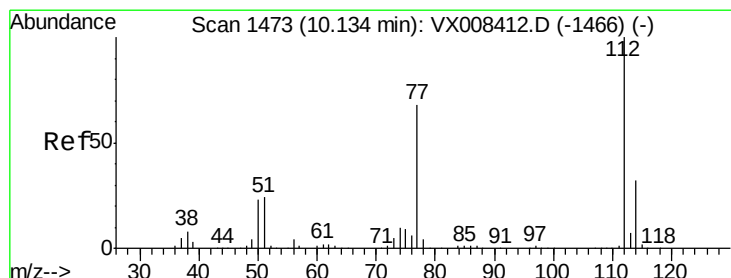
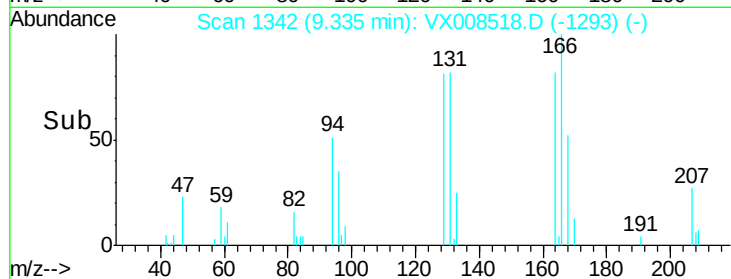
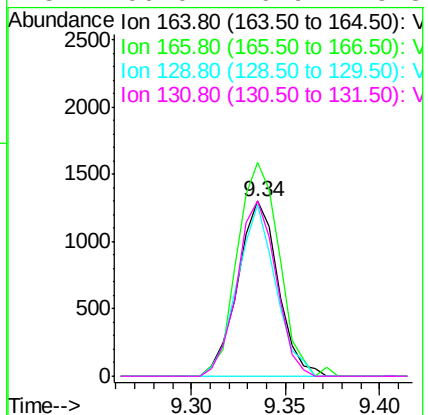
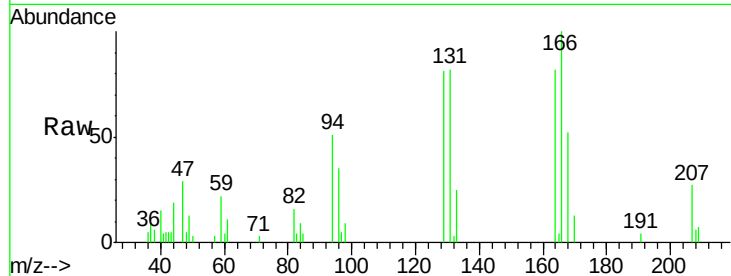
#64
Tetrachloroethene
Concen: 0.443 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.2	102.5	153.7
129	98.4	77.8	116.8
131	100.0	76.9	115.3

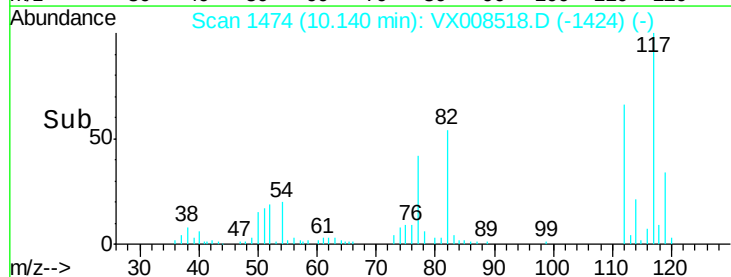
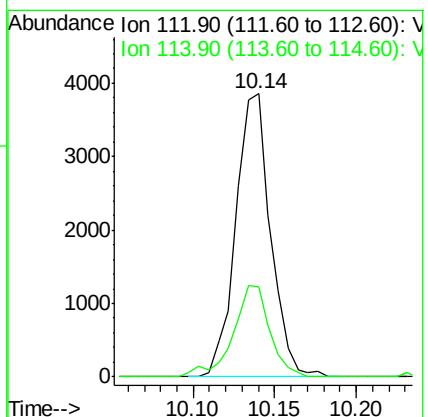
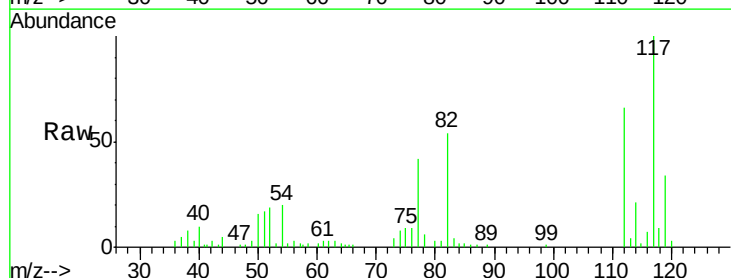
Manual Integrations
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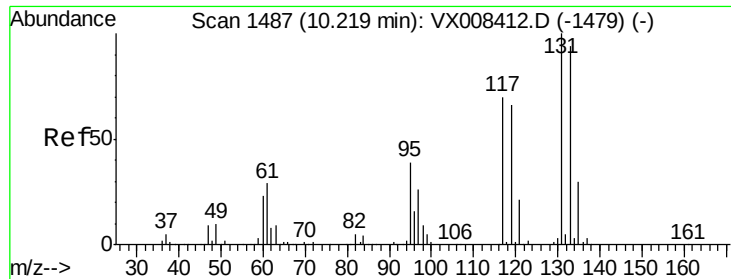
MMDadoda
3/29/2019 10:51:51 AM



#65
Chlorobenzene
Concen: 0.407 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2





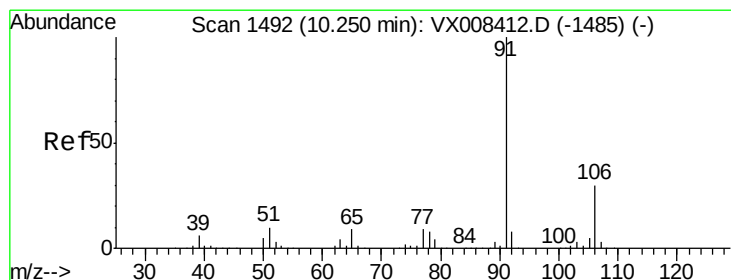
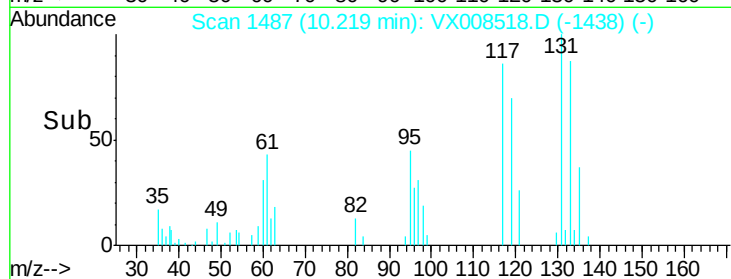
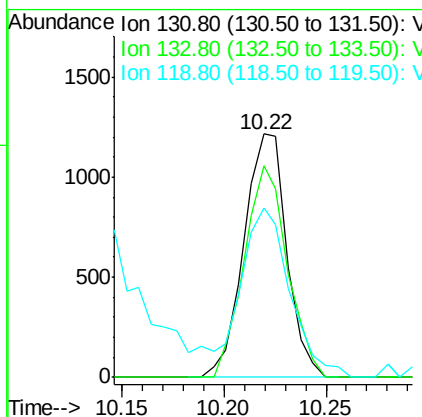
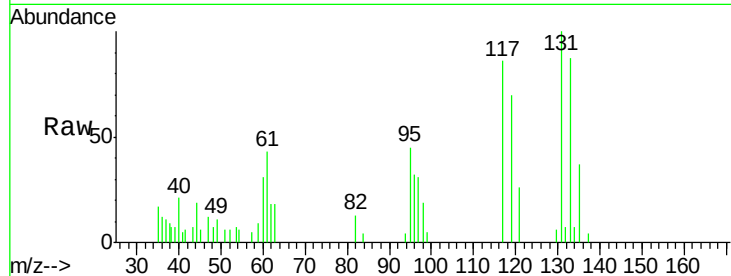
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.365 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion:131 Resp: 1772
 Ion Ratio Lower Upper
 131 100
 133 87.6 47.3 141.8
 119 0.0 33.6 100.6#

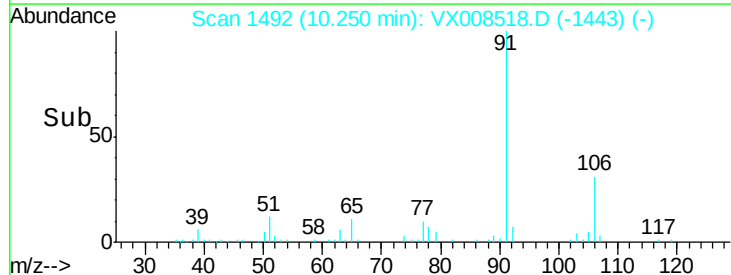
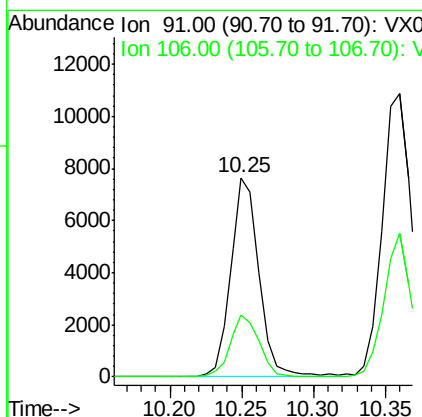
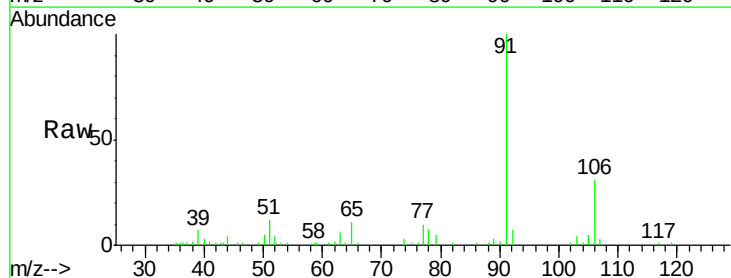
Manual Integrations
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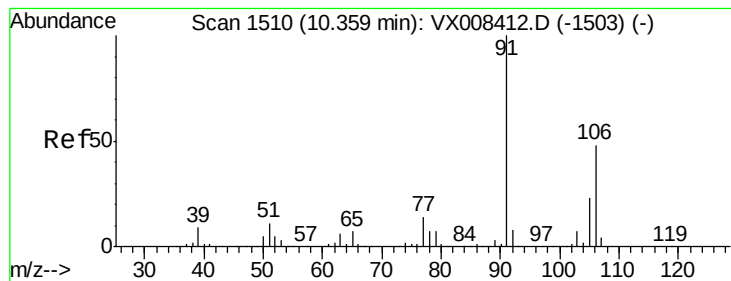
MMDadoda
 3/29/2019 10:51:51 AM



#67
 Ethyl Benzene
 Concen: 0.395 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 91 Resp: 10496
 Ion Ratio Lower Upper
 91 100
 106 31.4 24.0 36.0





#68

m/p-Xylenes

Concen: 0.770 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:106 Resp: 7442

Ion Ratio Lower Upper

106 100

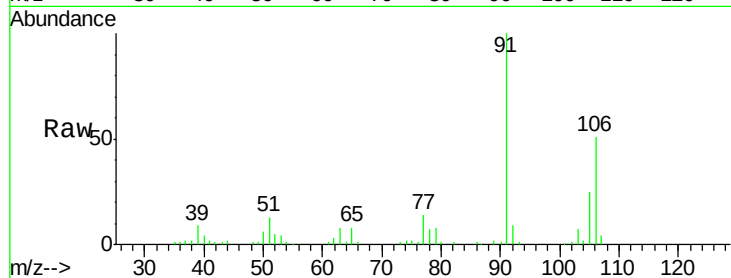
91 208.8 168.6 253.0

Manual Integrations

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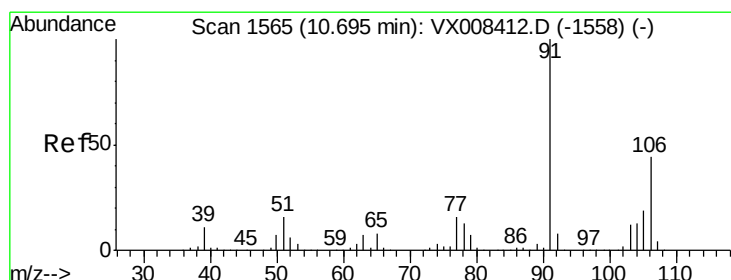
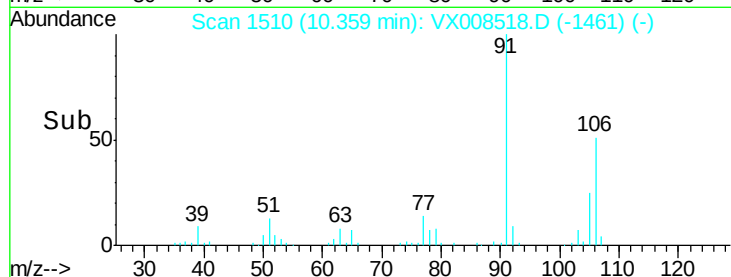
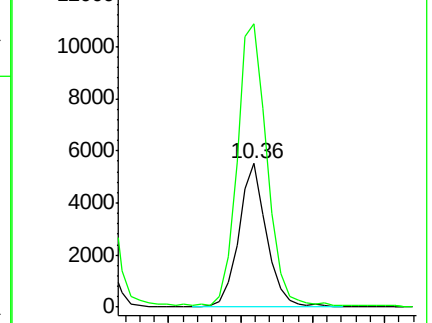
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.383 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX008518.D

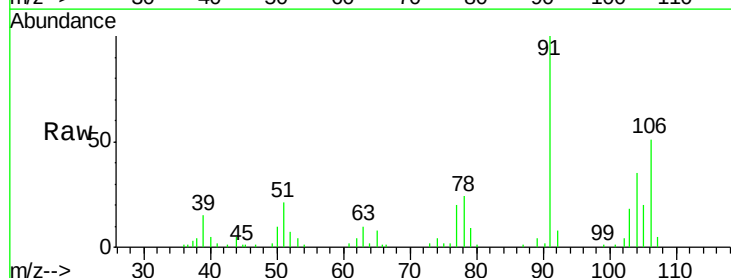
Acq: 28 Mar 2019 14:40

Tgt Ion:106 Resp: 3589

Ion Ratio Lower Upper

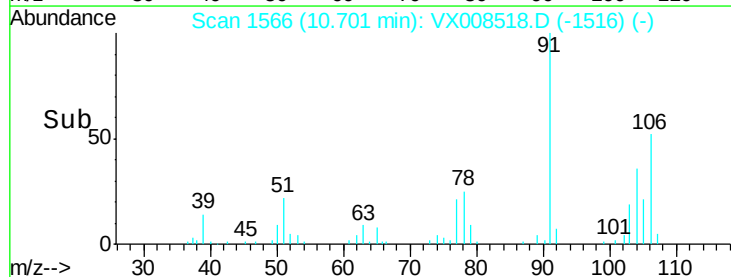
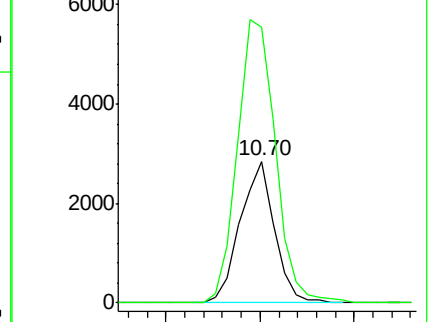
106 100

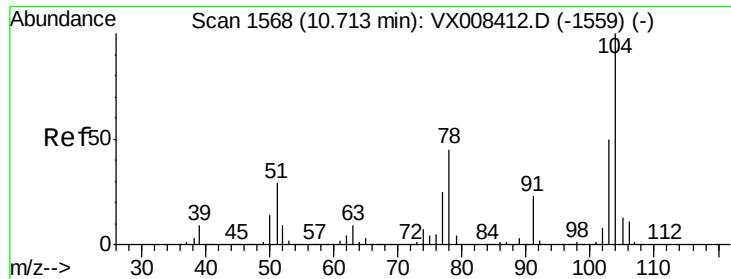
91 222.3 111.4 334.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





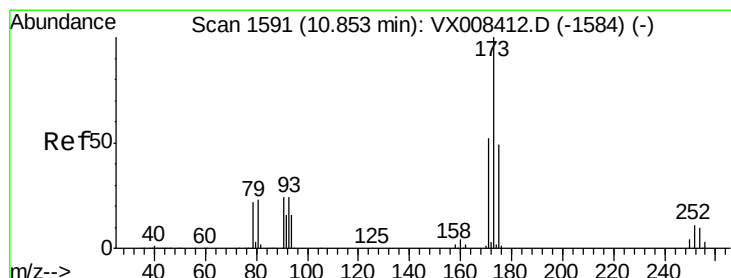
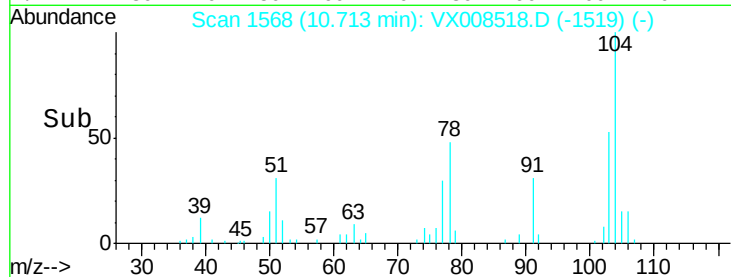
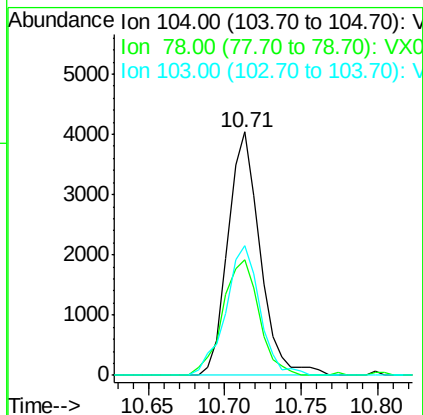
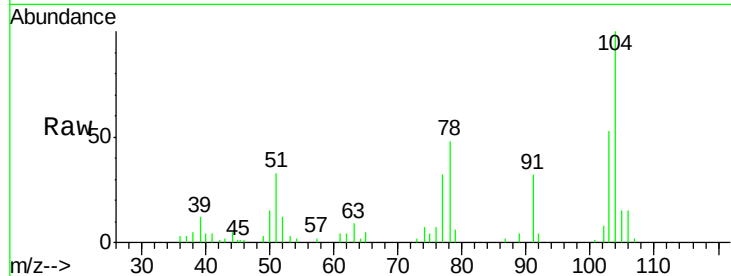
#70
Stvrene
Concen: 0.364 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.4	42.5	63.7
103	56.9	44.2	66.4

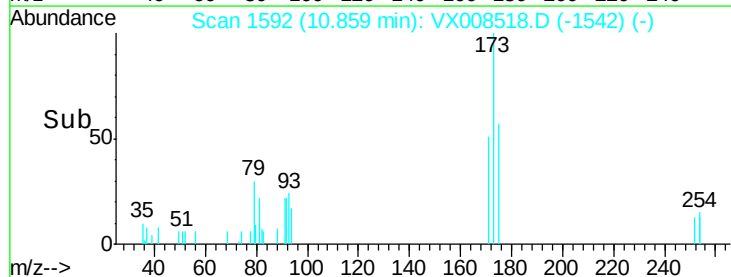
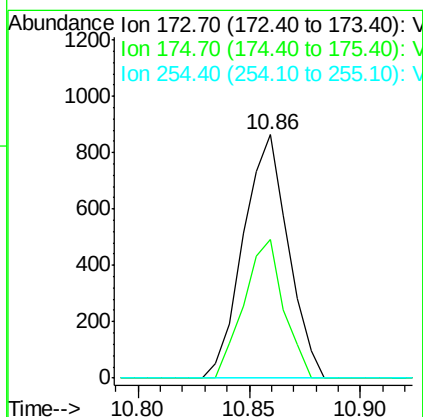
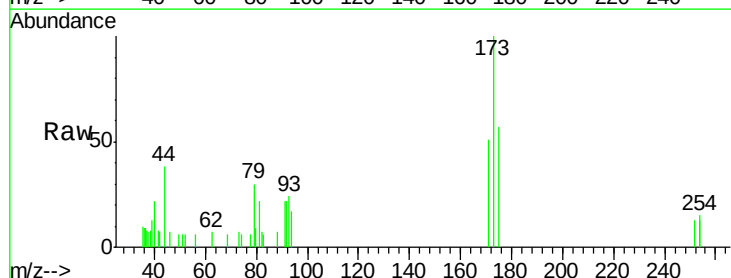
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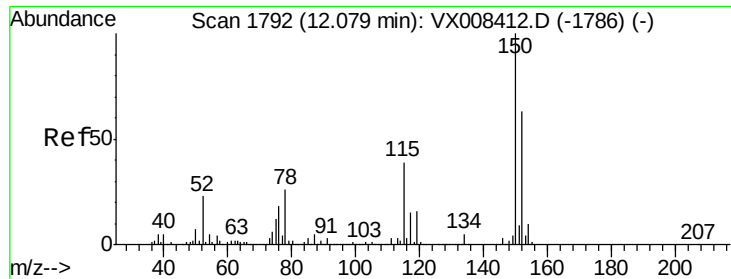
MMDadoda
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#71
Bromoform
Concen: 0.316 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.2	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: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

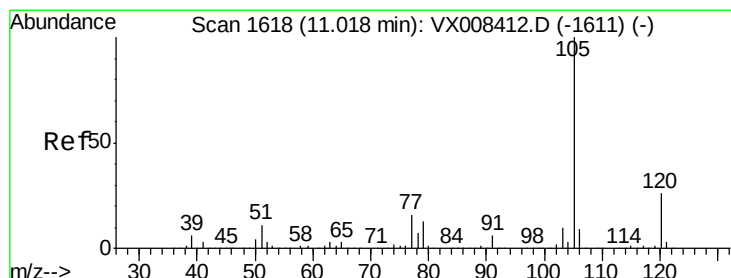
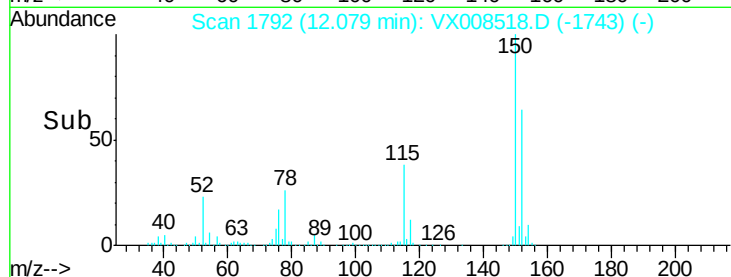
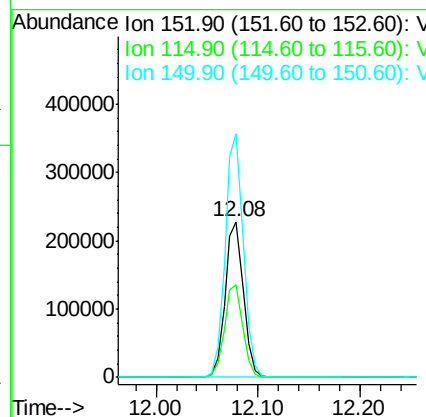
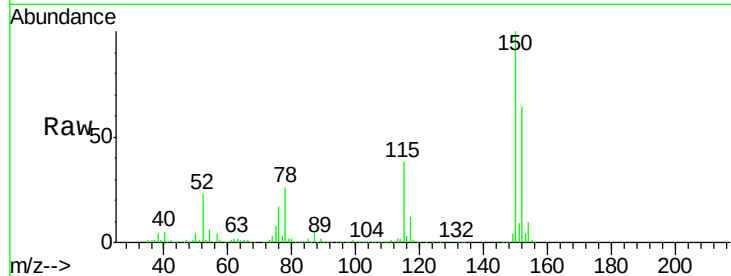
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	152	Resp:	283317
Ion Ratio	Lower	Upper	
152	100		
115	60.5	43.5	130.5
150	156.4	0.0	348.8

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#73

Isopropylbenzene

Concen: 0.402 ug/l

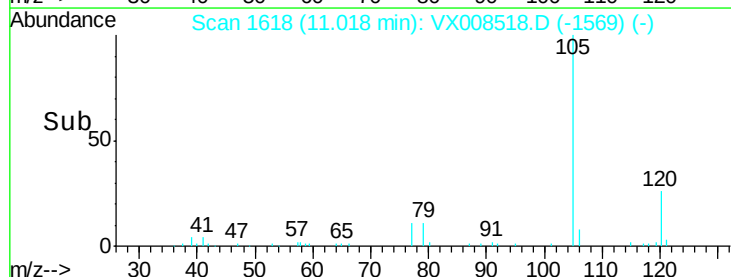
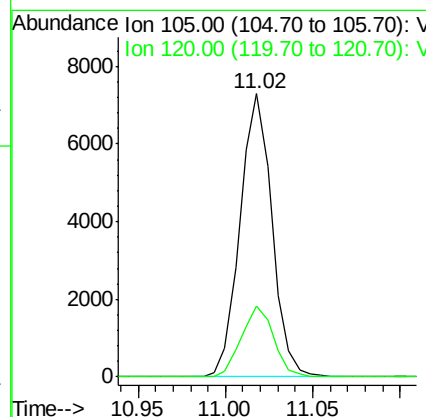
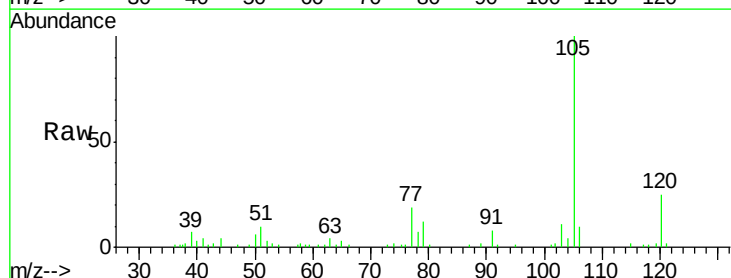
RT: 11.02 min Scan# 1618

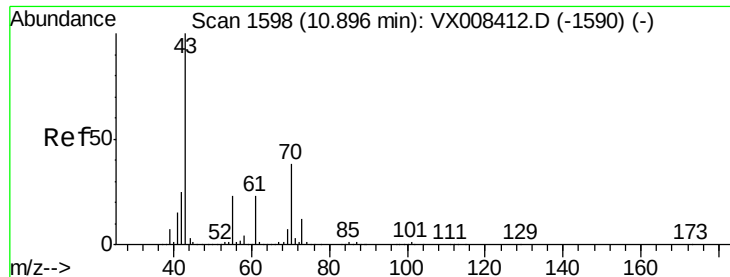
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	105	Resp:	9257
Ion Ratio	Lower	Upper	
105	100		
120	25.1	12.9	38.7





#74

N-amvl acetate

Concen: 0.371 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

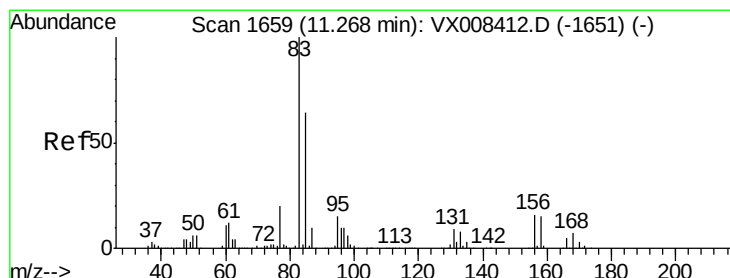
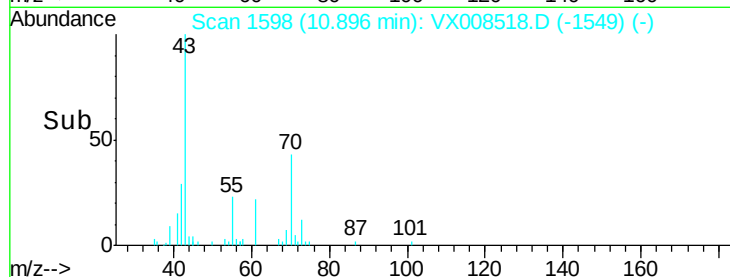
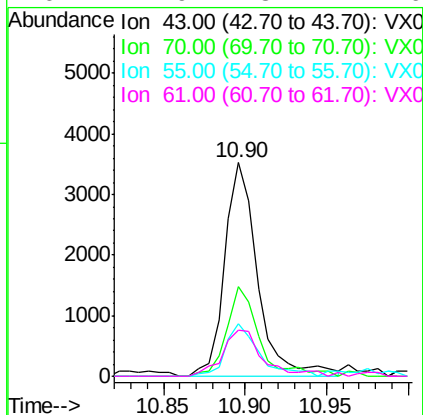
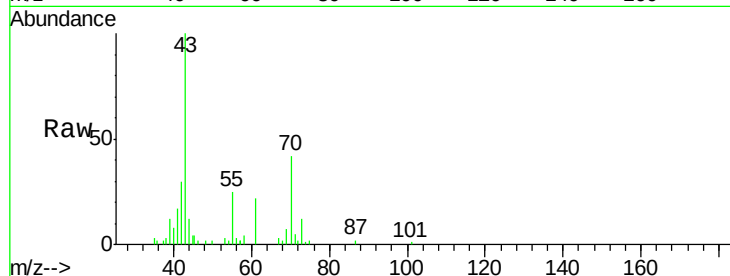
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	43	Resp:	4955
Ion	Ratio	Lower	Upper
43	100		
70	41.3	30.5	45.7
55	24.9	18.2	27.2
61	24.9	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.424 ug/l

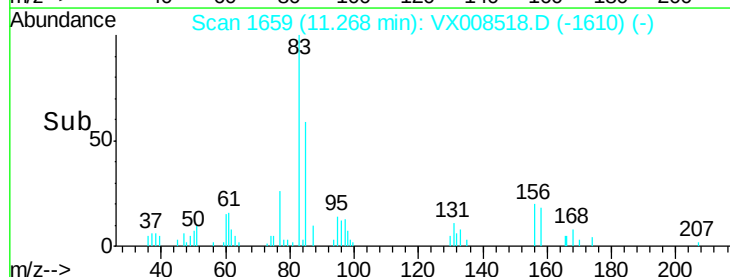
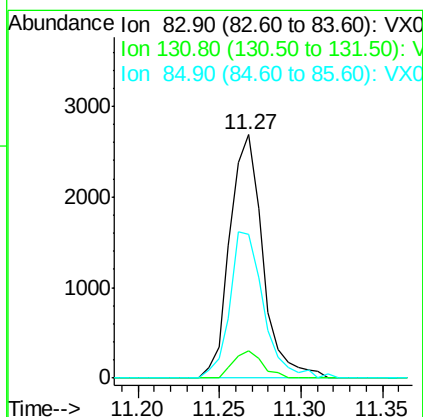
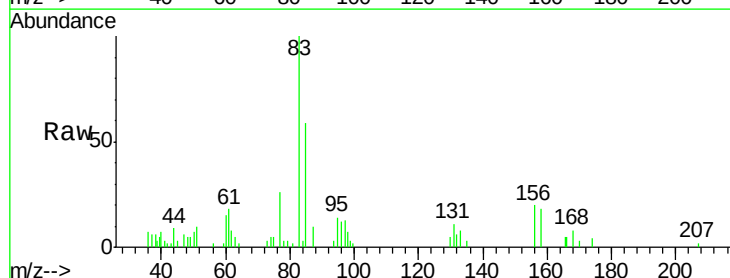
RT: 11.27 min Scan# 1659

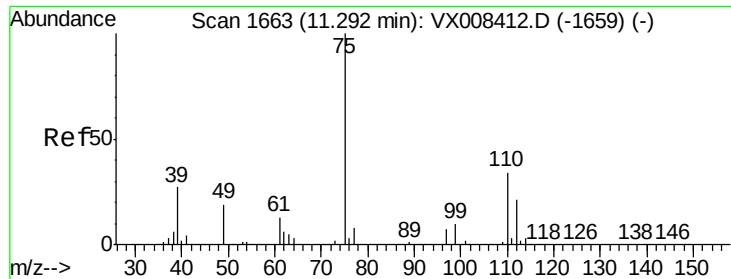
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	83	Resp:	3789
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.4
85	61.3	31.9	95.9





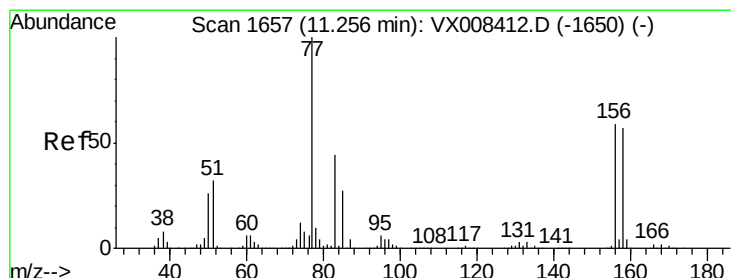
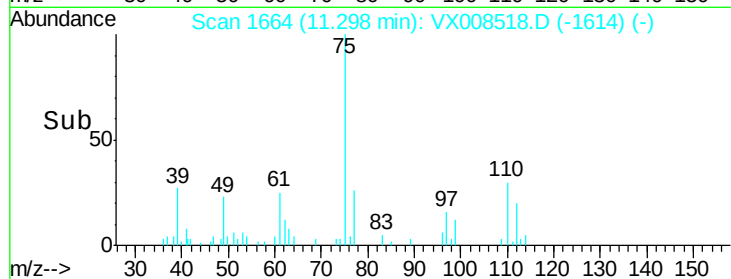
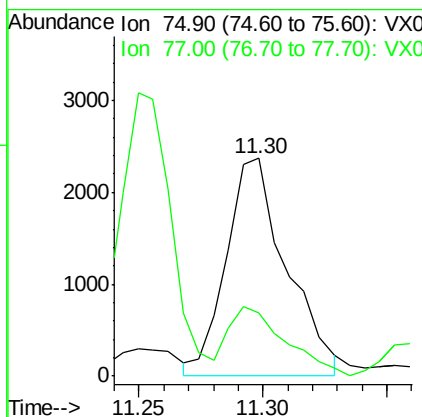
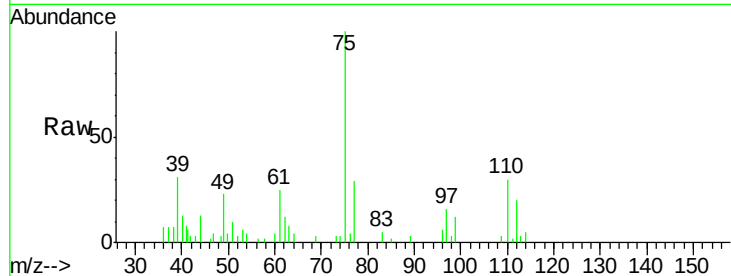
#76
 1,2,3-Trichloropropane
 Concen: 0.477 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion: 75 Resp: 4017
 Ion Ratio Lower Upper
 75 100
 77 51.9 21.9 65.7

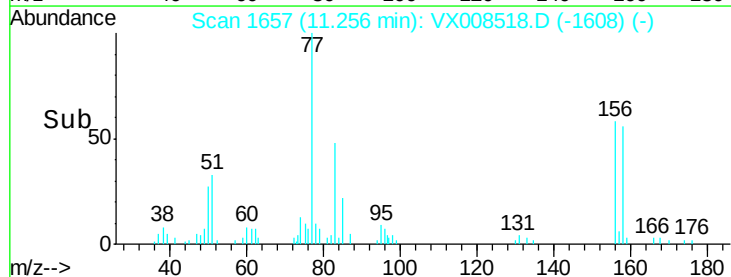
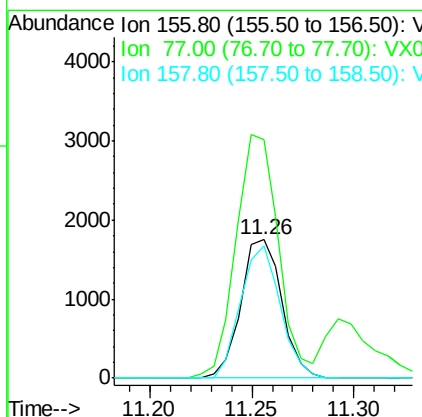
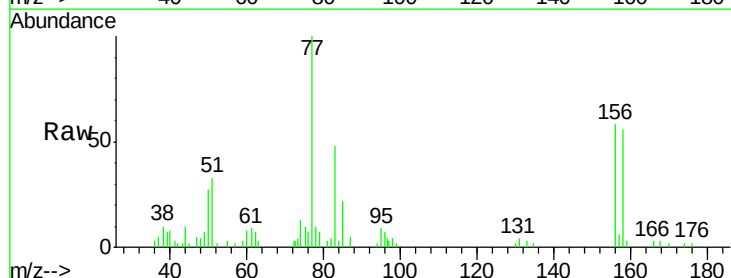
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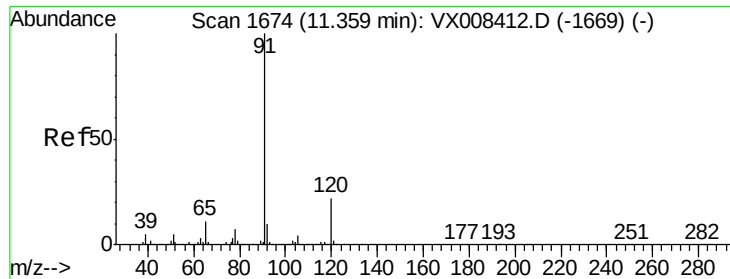
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 3/29/2019 10:51:51 AM



#77
 Bromobenzene
 Concen: 0.435 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion: 156 Resp: 2434
 Ion Ratio Lower Upper
 156 100
 77 183.2 91.1 273.3
 158 93.2 48.3 144.8





#78

n-propylbenzene

Concen: 0.403 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion: 91 Resp: 10872

Ion Ratio Lower Upper

91 100

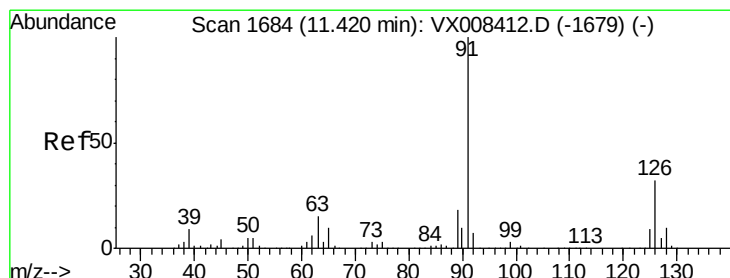
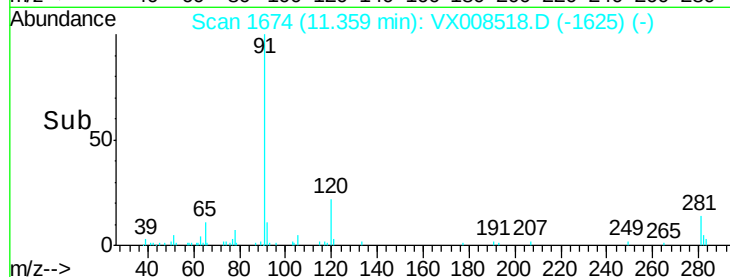
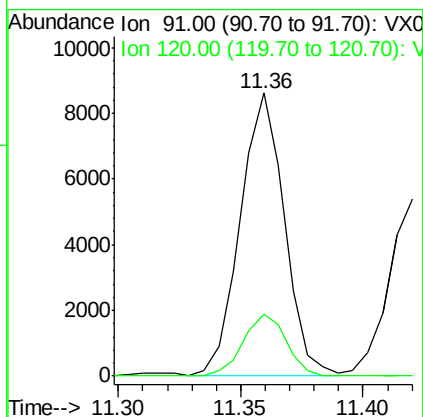
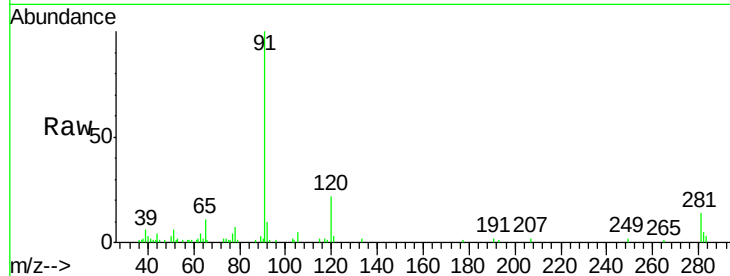
120 21.1 10.8 32.4

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3/29/2019 10:51:51 AM



#79

2-Chlorotoluene

Concen: 0.416 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008518.D

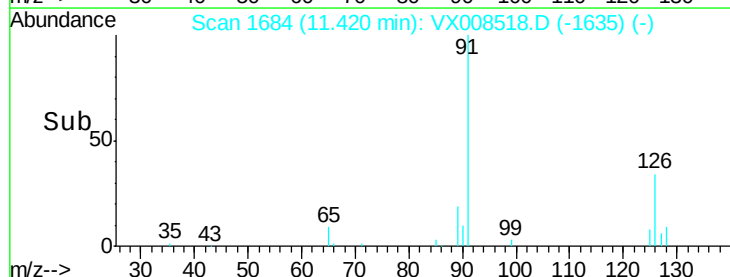
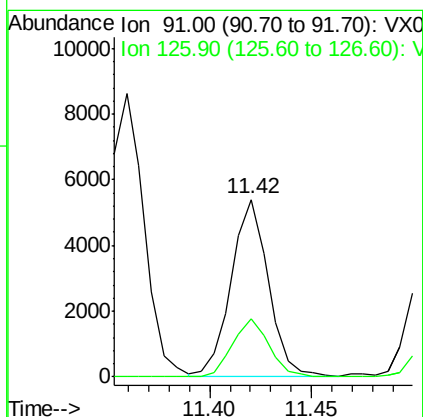
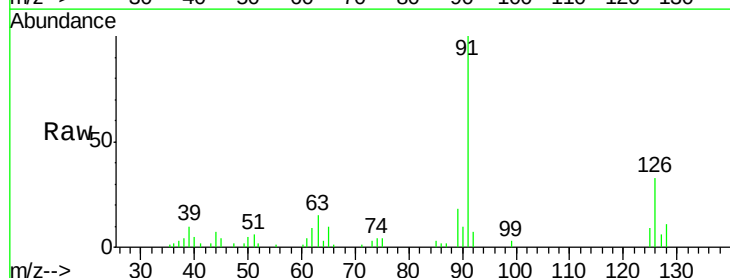
Acq: 28 Mar 2019 14:40

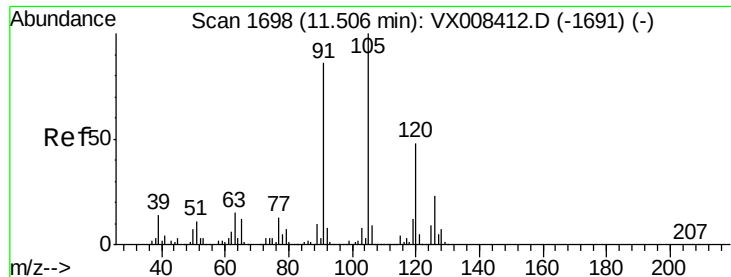
Tgt Ion: 91 Resp: 6837

Ion Ratio Lower Upper

91 100

126 31.9 15.7 47.1





#80

1,3,5-Trimethylbenzene

Concen: 0.401 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 7809

Ion Ratio Lower Upper

105 100

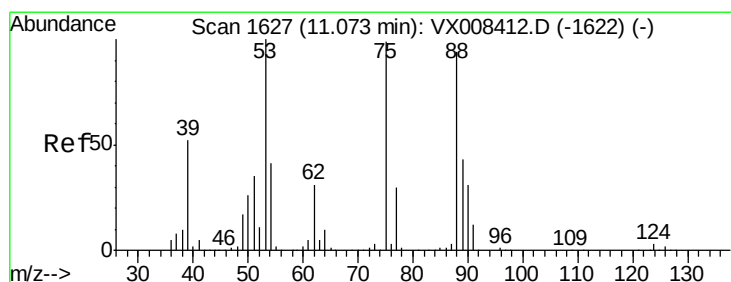
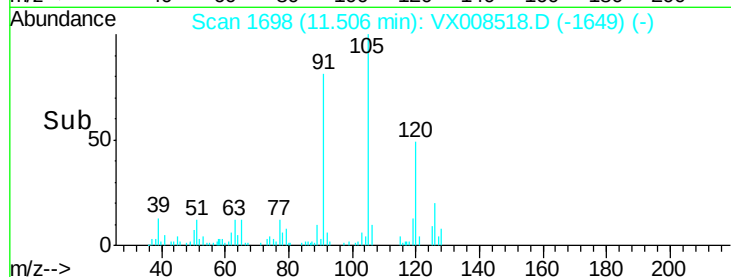
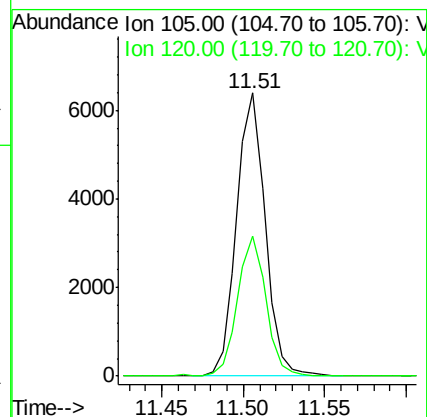
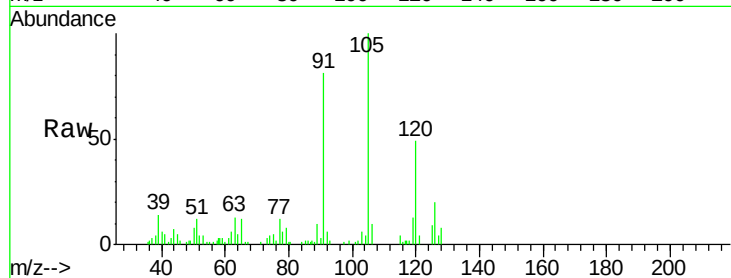
120 48.9 23.4 70.3

Manual Integrations

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3/29/2019 10:51:51 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 0.303 ug/l m

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

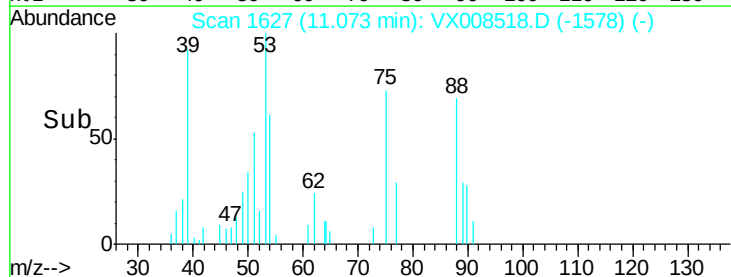
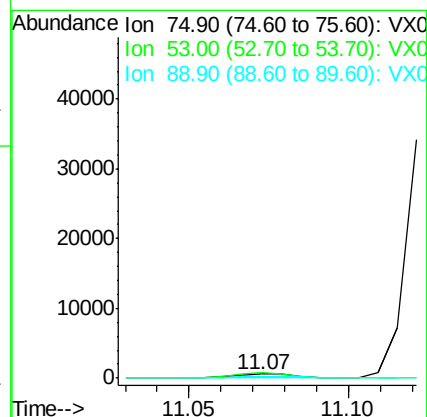
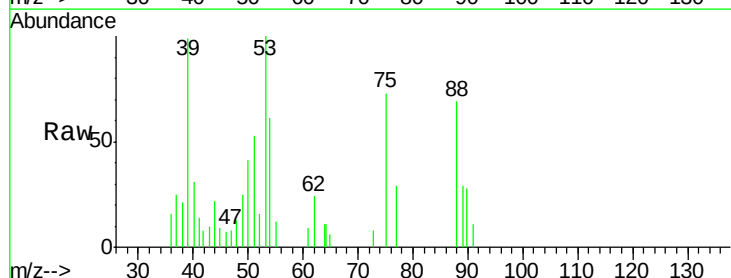
Tgt Ion: 75 Resp: 796

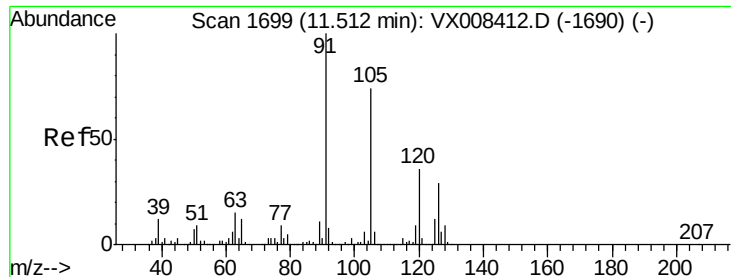
Ion Ratio Lower Upper

75 100

53 21.4 82.1 123.1#

89 0.0 34.6 52.0#





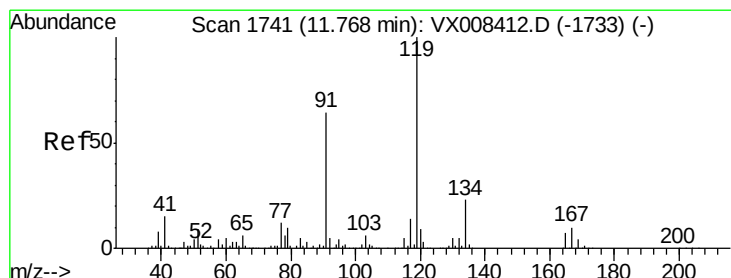
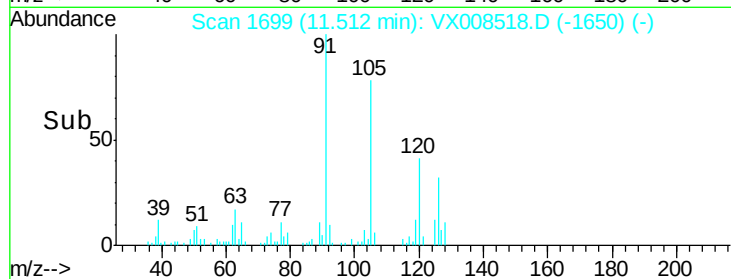
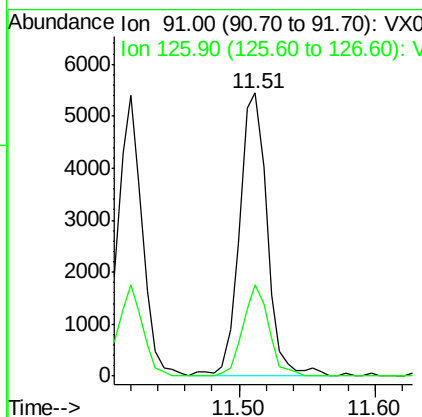
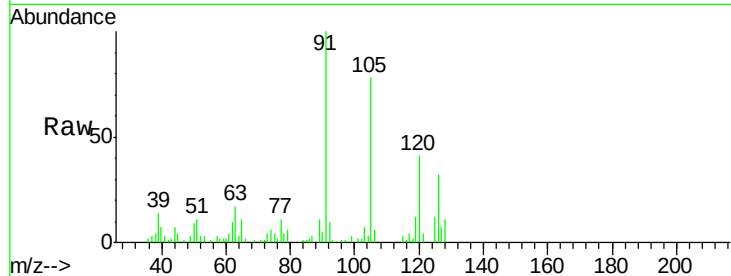
#82
4-Chlorotoluene
Concen: 0.410 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

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

Tot Ion: 91 Resp: 7759
Ion Ratio Lower Upper
91 100
126 30.2 13.9 41.7

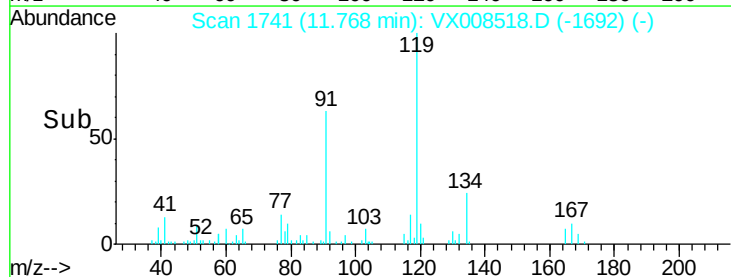
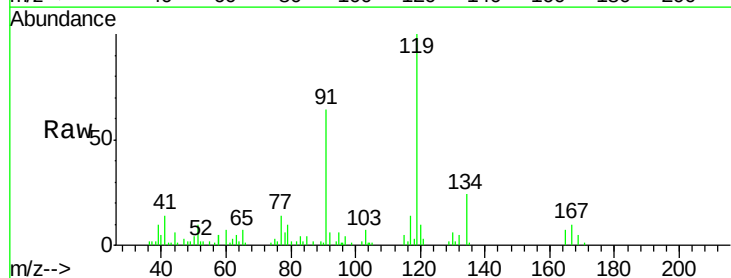
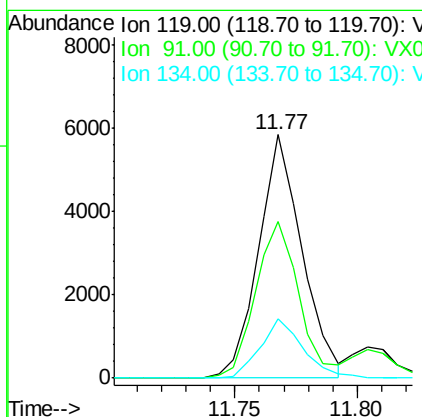
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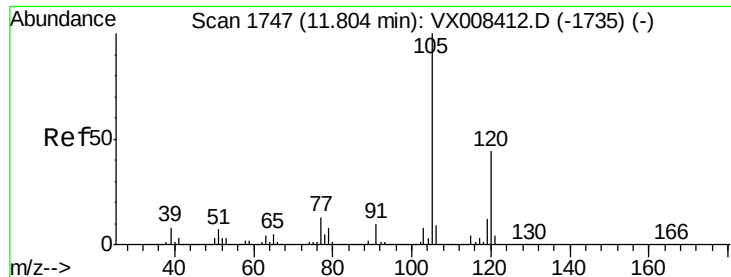
MMDadoda
3/29/2019 10:51:51 AM



#83
tert-Butylbenzene
Concen: 0.387 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008518.D
Acq: 28 Mar 2019 14:40

Tgt Ion: 119 Resp: 7268
Ion Ratio Lower Upper
119 100
91 64.2 30.1 90.3
134 23.8 10.9 32.9





#84

1,2,4-Trimethylbenzene

Concen: 0.383 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:105 Resp: 7541

Ion Ratio Lower Upper

105 100

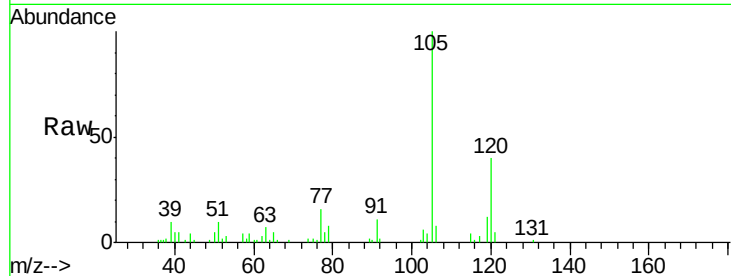
120 44.7 21.6 65.0

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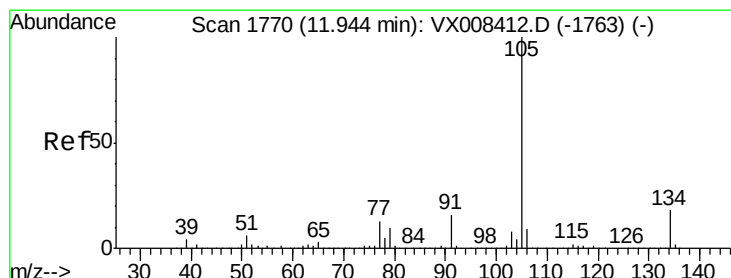
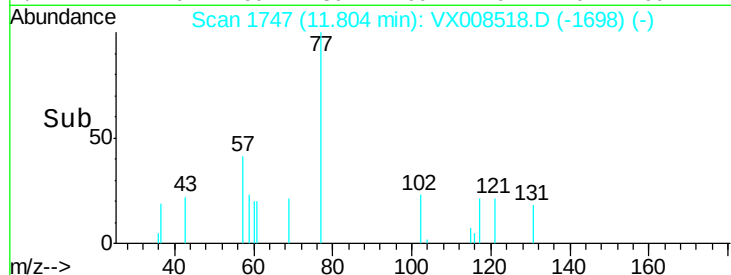
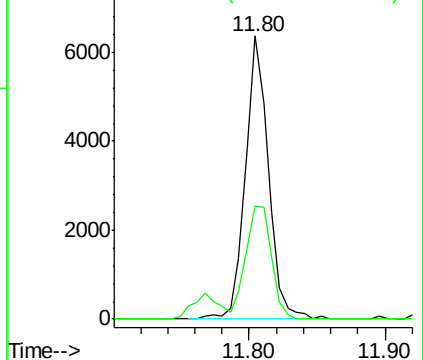
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.392 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008518.D

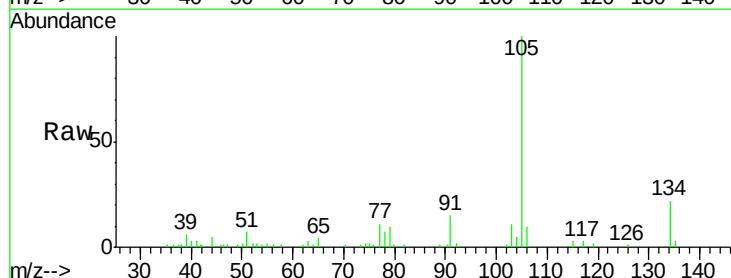
Acq: 28 Mar 2019 14:40

Tgt Ion:105 Resp: 8766

Ion Ratio Lower Upper

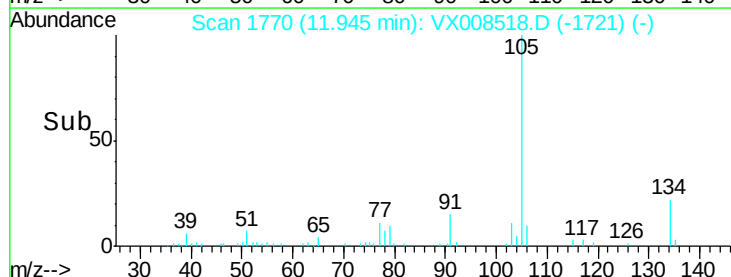
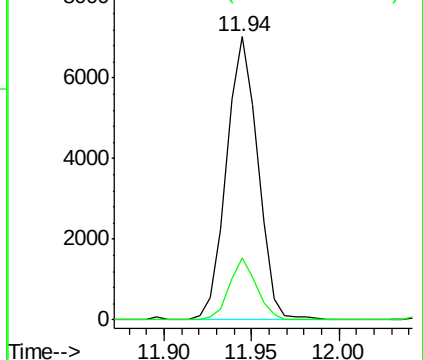
105 100

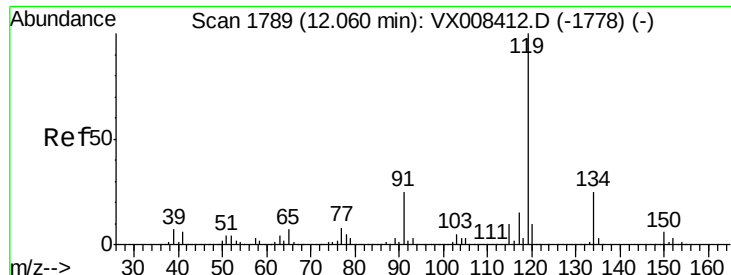
134 18.9 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





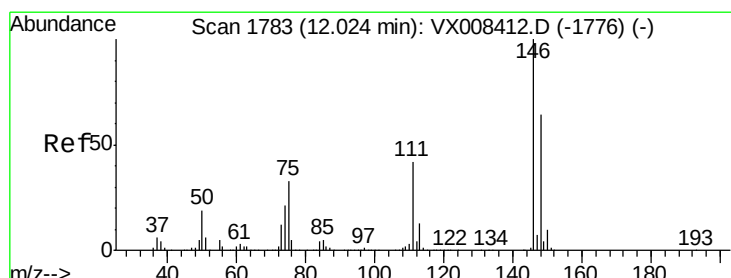
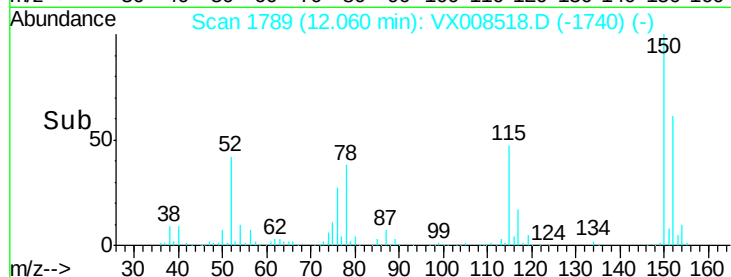
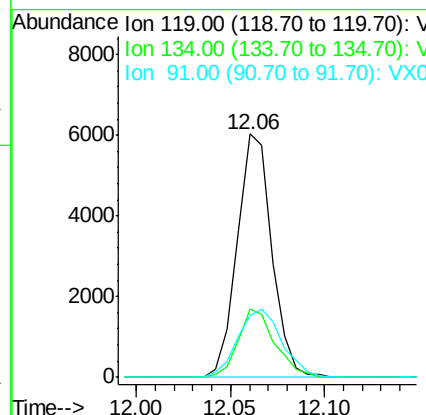
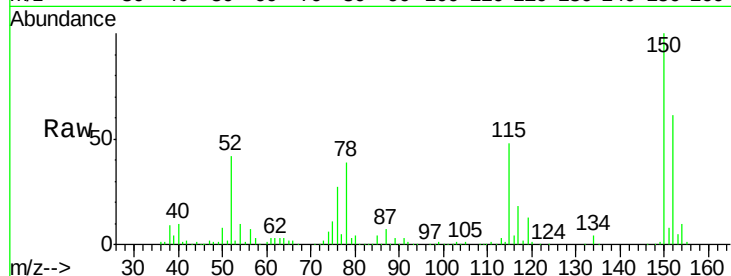
#86
 p-Isopropyltoluene
 Concen: 0.389 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.8	12.8	38.4
91	35.6	12.4	37.0

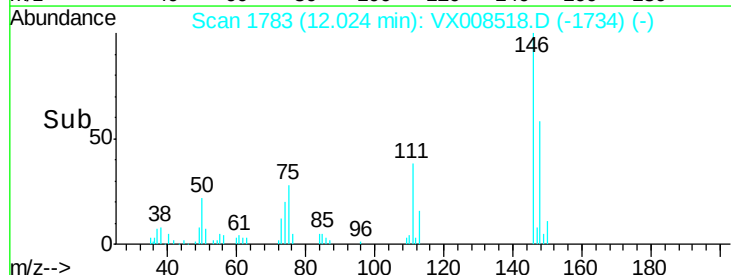
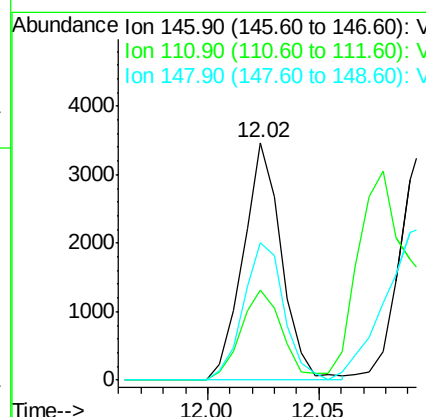
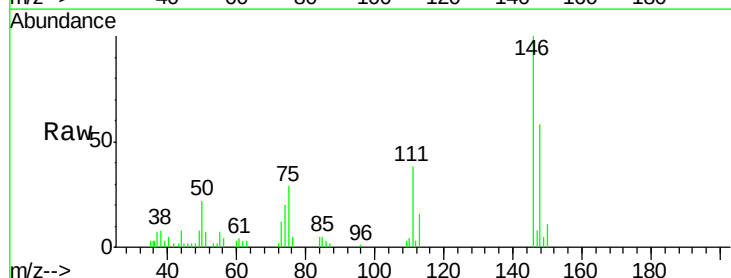
Manual Integrations
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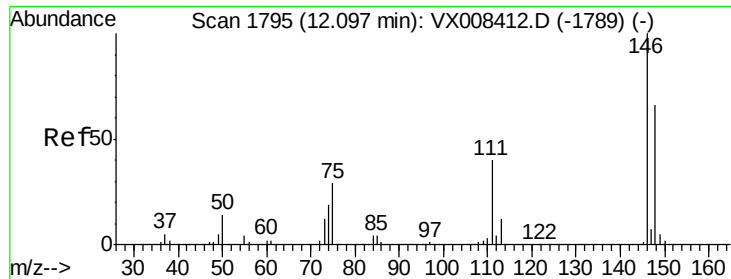
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#87
 1,3-Dichlorobenzene
 Concen: 0.417 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	61.1	32.0	96.0





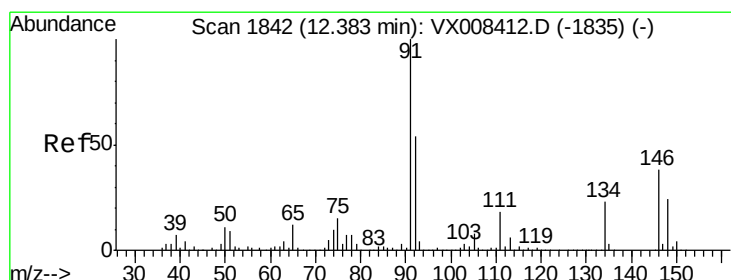
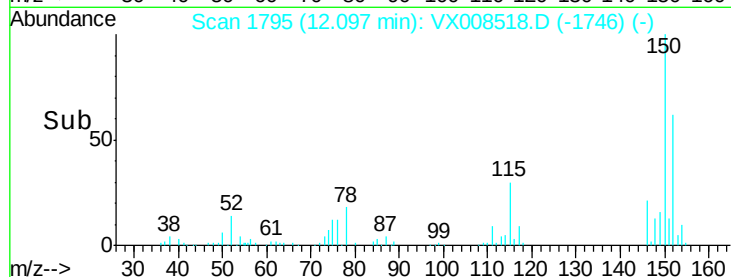
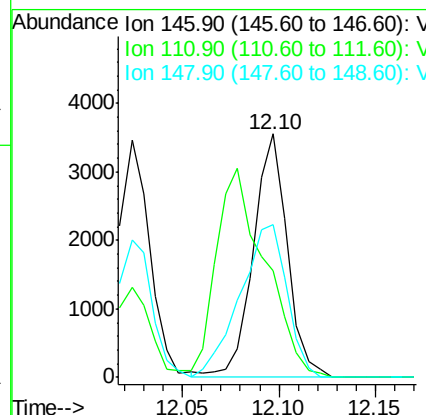
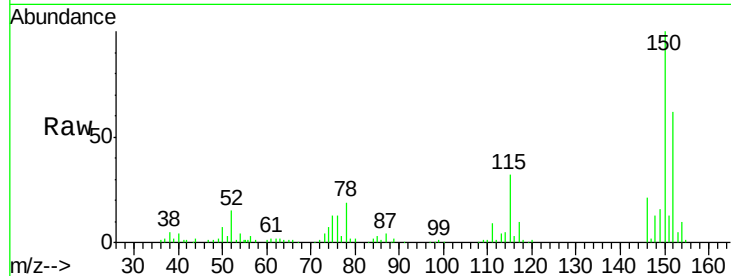
#88
 1,4-Dichlorobenzene
 Concen: 0.437 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	61.0
148	57.8	32.1	96.5

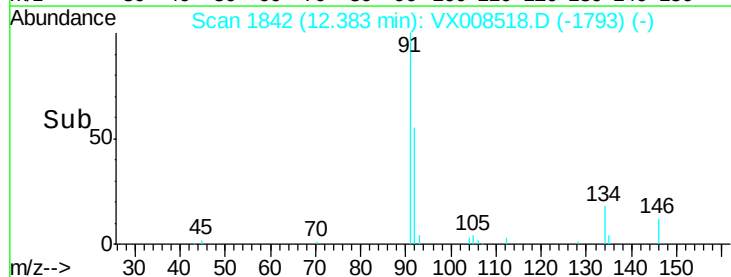
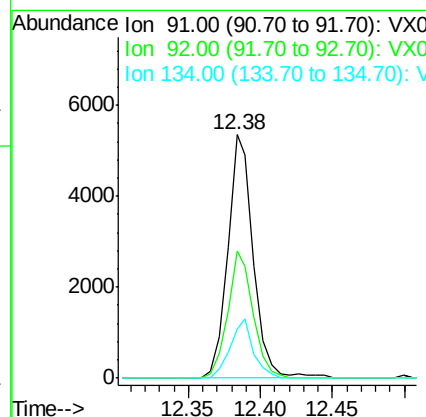
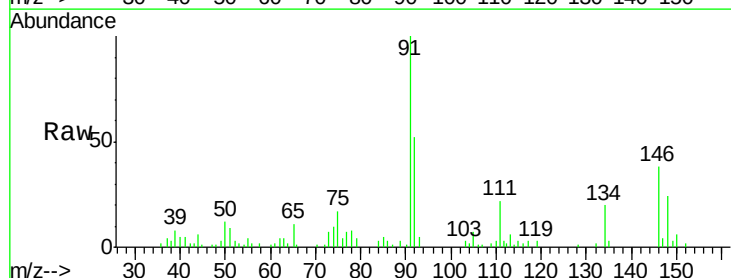
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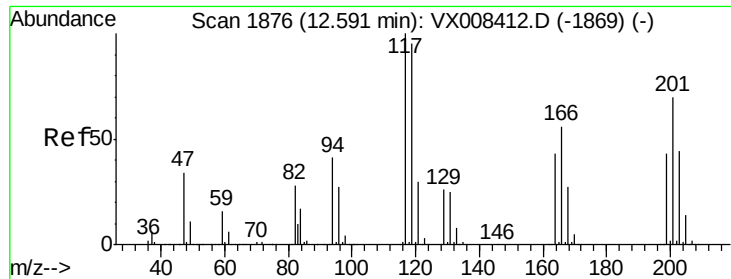
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#89
 n-Butylbenzene
 Concen: 0.356 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.5	79.5
134	22.0	11.8	35.4





#90

Hexachloroethane

Concen: 0.357 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:117 Resp: 1174

Ion Ratio Lower Upper

117 100

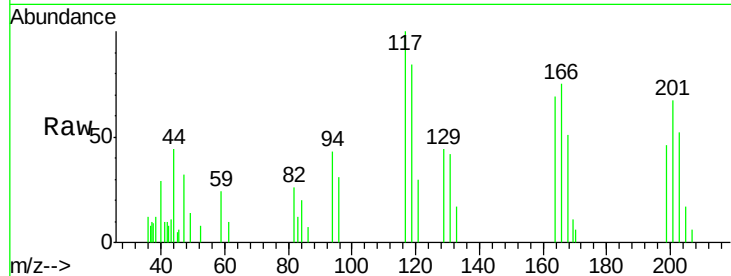
201 71.6 39.4 118.1

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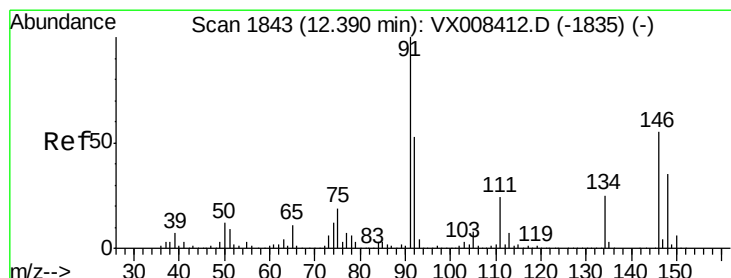
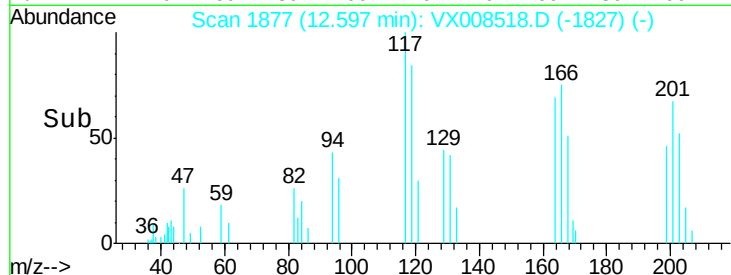
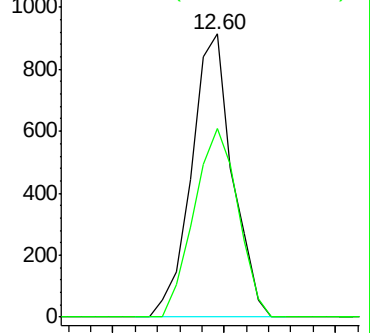
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.396 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

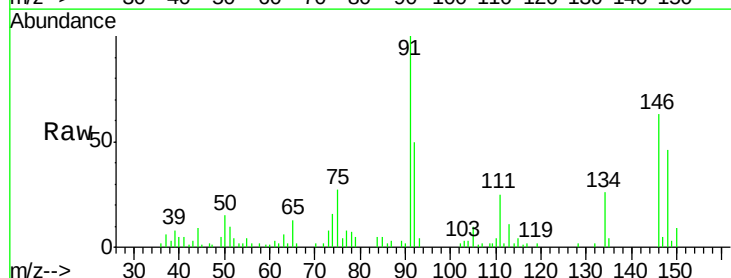
Tgt Ion:146 Resp: 3960

Ion Ratio Lower Upper

146 100

111 46.5 21.6 64.6

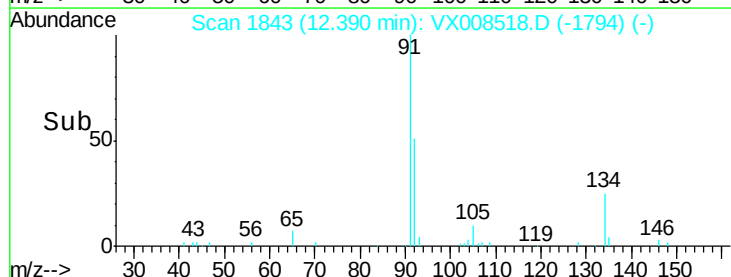
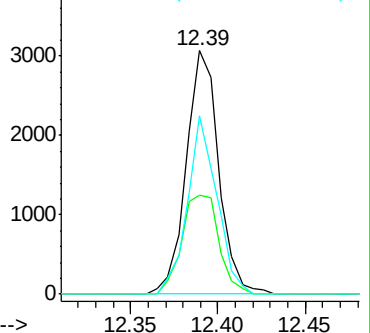
148 66.6 31.9 95.7

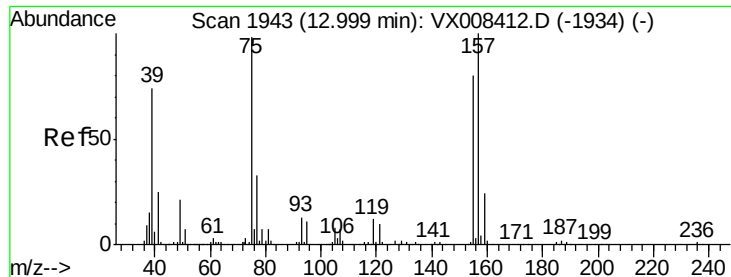


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.362 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

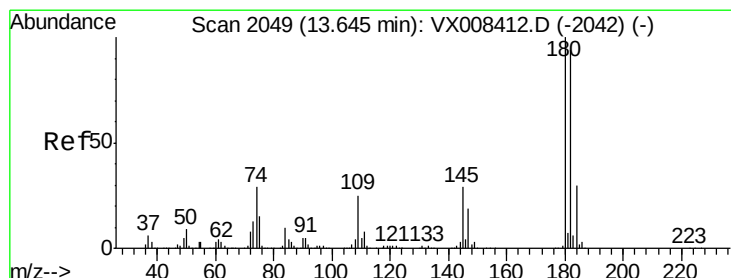
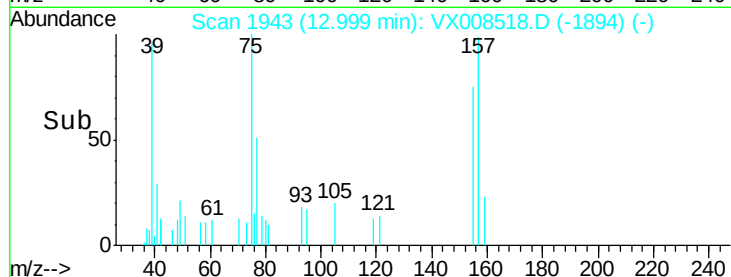
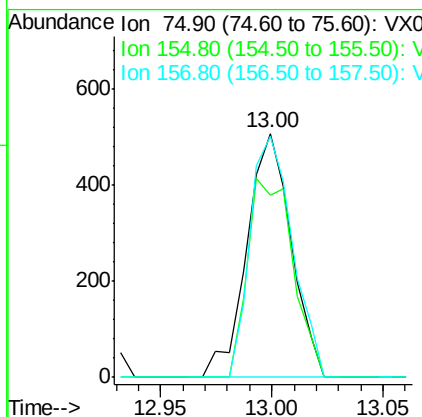
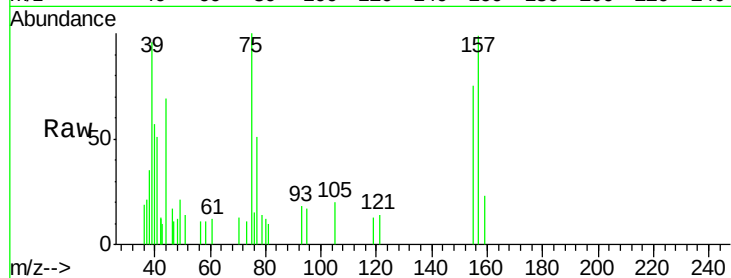
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

Tot Ion:	75	Resp:	706
Ion	Ratio	Lower	Upper
75	100		
155	82.7	39.5	118.5
157	94.2	49.9	149.7

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#93

1,2,4-Trichlorobenzene

Concen: 0.372 ug/l

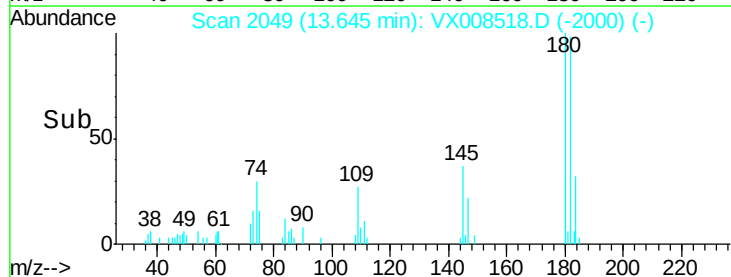
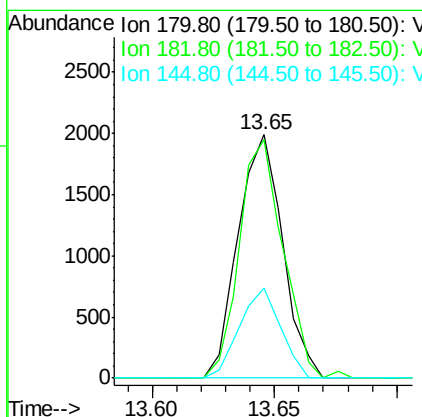
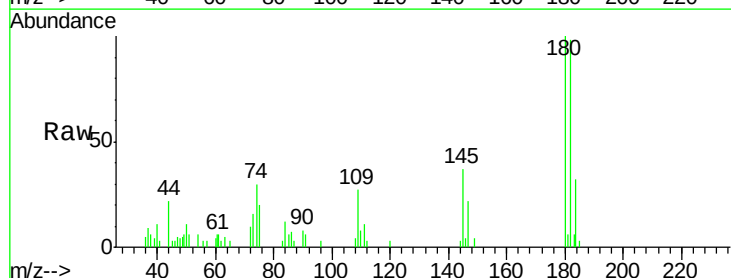
RT: 13.65 min Scan# 2049

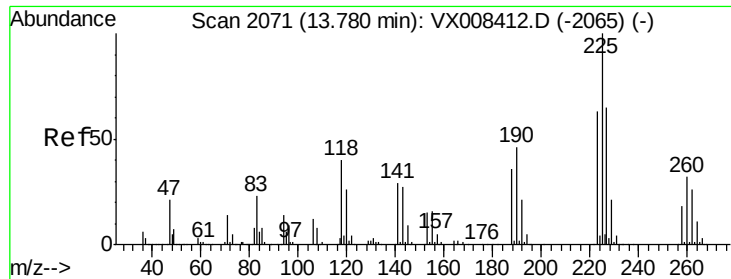
Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Tgt Ion:	180	Resp:	2505
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	142.0
145	34.3	15.3	45.8





#94

Hexachlorobutadiene

Concen: 0.422 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX008518.D

Acq: 28 Mar 2019 14:40

Instrument :

MSVOA_X

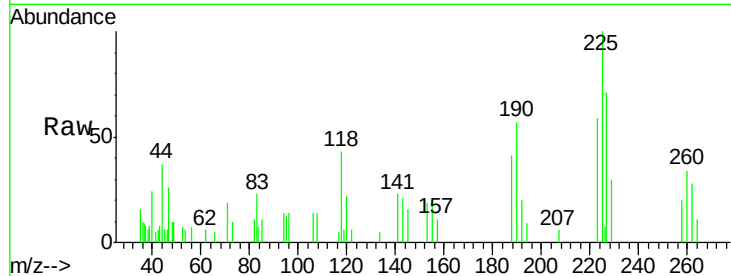
ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

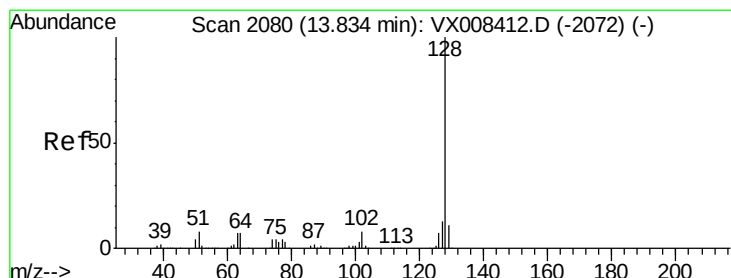
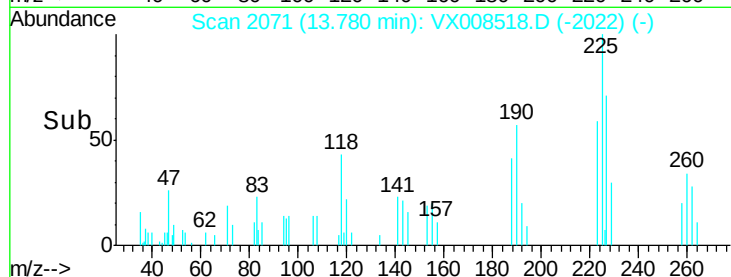
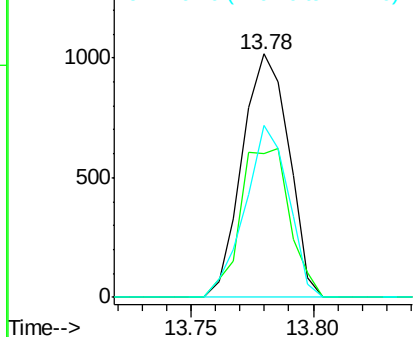
Tot Ion:	225	Resp:	1350
Ion Ratio	Lower	Upper	
225	100		
223	65.2	31.4	94.0
227	66.1	31.9	95.9

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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: 0.372 ug/l

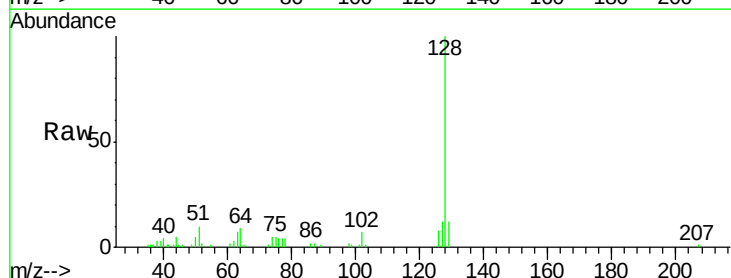
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

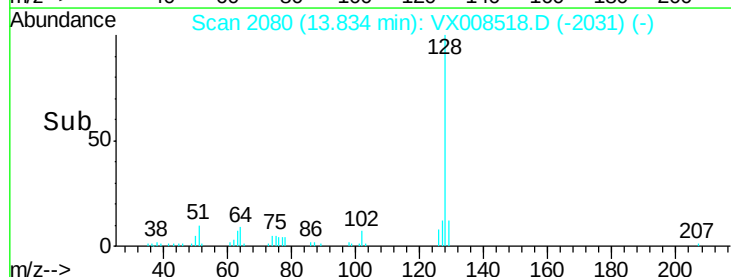
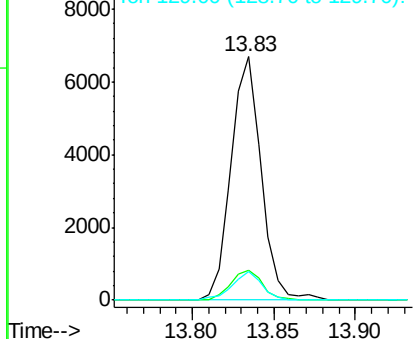
Lab File: VX008518.D

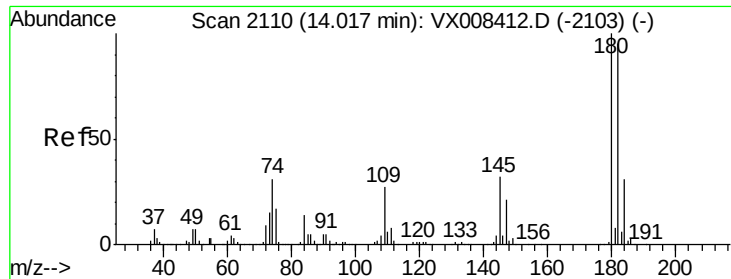
Acq: 28 Mar 2019 14:40

Tgt Ion:	128	Resp:	8605
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.4	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: 0.417 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX008518.D
 Acq: 28 Mar 2019 14:40

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

Tot Ion:	180	Resp:	2824
Ion Ratio	Lower	Upper	
180	100		
182	91.1	47.3	142.0
145	29.8	16.2	48.5

Manual Integrations
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 3/29/2019 10:51:51 AM

