

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007862.D
 Acq On : 06 Mar 2019 16:14
 Operator : JC/SP
 Sample : K1560-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:29 AM

Quant Time: Mar 07 08:27:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	275969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172661	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	140398	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	5.50	113	121523	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	8.71	98	466832	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	162645	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4876	2.068	ug/l	97
3) Chloromethane	1.33	50	6538	2.152	ug/l	99
4) Vinyl Chloride	1.41	62	6147	2.036	ug/l	97
5) Bromomethane	1.64	94	3426	1.320	ug/l	97
6) Chloroethane	1.71	64	3493m	1.742	ug/l	
7) Trichlorofluoromethane	1.92	101	7705	1.960	ug/l	92
8) Diethyl Ether	2.19	74	3342	1.963	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	5114	2.099	ug/l	98
10) Methyl Iodide	2.51	142	34024	9.846	ug/l	100
11) Tert butyl alcohol	3.09	59	31549	48.459	ug/l	98
12) 1,1-Dichloroethene	2.37	96	4792	2.041	ug/l	92
13) Acrolein	2.30	56	26500	73.025	ug/l	98
14) Allyl chloride	2.73	41	9315	1.888	ug/l	97
15) Acrylonitrile	3.15	53	16400	9.980	ug/l	99
16) Acetone	2.45	43	18297	10.859	ug/l	99
17) Carbon Disulfide	2.56	76	15417	1.728	ug/l	100
18) Methyl Acetate	2.78	43	7464	2.085	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	16212	2.007	ug/l	95
20) Methylene Chloride	2.85	84	5702	2.126	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	5359	2.074	ug/l	91
22) Diisopropyl ether	3.87	45	18436	2.038	ug/l	96
23) Vinyl Acetate	3.82	43	77843	9.815	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9820	2.018	ug/l	98
25) 2-Butanone	4.70	43	23721	9.944	ug/l	95
26) 2,2-Dichloropropane	4.58	77	6060	1.879	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	5957	2.015	ug/l	91
28) Bromochloromethane	5.02	49	4853	2.139	ug/l #	99
29) Tetrahydrofuran	5.15	42	14428	9.696	ug/l	98
30) Chloroform	5.21	83	9182	1.994	ug/l	94
31) Cyclohexane	5.57	56	8936	1.998	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	7153	1.873	ug/l	96
36) 1,1-Dichloropropene	5.79	75	7517	2.110	ug/l	99
37) Ethyl Acetate	4.85	43	8581	2.030	ug/l	99
38) Carbon Tetrachloride	5.77	117	6413	1.897	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8952	2.074	ug/l	96
40) Benzene	6.14	78	21878	2.063	ug/l	100
41) Methacrylonitrile	5.06	41	4693	2.037	ug/l	95
42) 1,2-Dichloroethane	6.20	62	7306	2.107	ug/l	99
43) Isopropyl Acetate	6.46	43	11992	1.917	ug/l	100
44) Trichloroethene	7.21	130	5856	2.004	ug/l	98
45) 1,2-Dichloropropane	7.51	63	5817	2.077	ug/l	89
46) Dibromomethane	7.66	93	3497	1.973	ug/l	97
47) Bromodichloromethane	7.90	83	6591	1.961	ug/l	98
48) Methyl methacrylate	7.77	41	6110	1.858	ug/l	97
49) 1,4-Dioxane	7.76	88	2590	38.336	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	38080	9.466	ug/l	100
52) Toluene	8.78	92	13496	2.085	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5798	1.653	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	6575	1.660	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	5260	2.007	ug/l	98
56) Ethyl methacrylate	9.18	69	7668	1.949	ug/l	97
57) 1,3-Dichloropropane	9.37	76	8995	2.044	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	21478	10.552	ug/l	99
59) 2-Hexanone	9.49	43	30167	9.659	ug/l	97
60) Dibromochloromethane	9.58	129	4815	1.758	ug/l	99
61) 1,2-Dibromoethane	9.67	107	5447	1.958	ug/l	99
64) Tetrachloroethene	9.33	164	6039	2.097	ug/l	90
65) Chlorobenzene	10.13	112	15029	2.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	4623	1.773	ug/l #	63
67) Ethyl Benzene	10.25	91	24500	2.046	ug/l	99
68) m/p-Xylenes	10.36	106	17982	3.896	ug/l	95
69) o-Xylene	10.70	106	8705	1.954	ug/l	97
70) Styrene	10.71	104	13542	1.857	ug/l	98
71) Bromoform	10.86	173	3667	1.638	ug/l #	99
73) Isopropylbenzene	11.02	105	23393	2.003	ug/l	100
74) N-amyl acetate	10.90	43	9547	1.791	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	8144	2.022	ug/l	96
76) 1,2,3-Trichloropropane	11.30	75	7420m	2.048	ug/l	
77) Bromobenzene	11.26	156	6477	2.023	ug/l	97
78) n-propylbenzene	11.36	91	25835	1.994	ug/l	100
79) 2-Chlorotoluene	11.42	91	16067	2.028	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	19192	1.997	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1707m	1.506	ug/l	
82) 4-Chlorotoluene	11.51	91	18335	2.020	ug/l	99
83) tert-Butylbenzene	11.77	119	18710	1.933	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	19546	1.984	ug/l	97
85) sec-Butylbenzene	11.94	105	22589	1.981	ug/l	100
86) p-Isopropyltoluene	12.06	119	19999	1.959	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	11598	2.048	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	12238	2.110	ug/l	90
89) n-Butylbenzene	12.39	91	16276	1.881	ug/l	98
90) Hexachloroethane	12.60	117	3089	1.809	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	11658	2.072	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1559	1.852	ug/l	89

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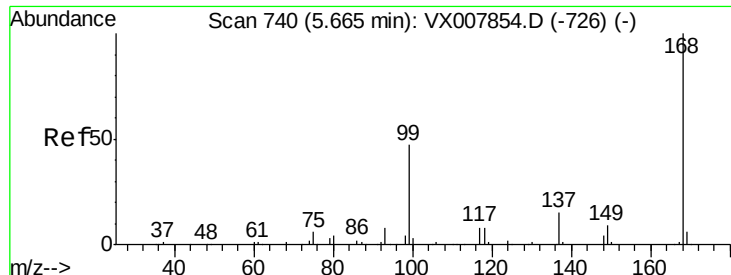
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7481	1.893	ug/l	96
94) Hexachlorobutadiene	13.78	225	4360	2.110	ug/l	98
95) Naphthalene	13.83	128	19632	1.724	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	7498	1.904	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:168 Resp: 275969

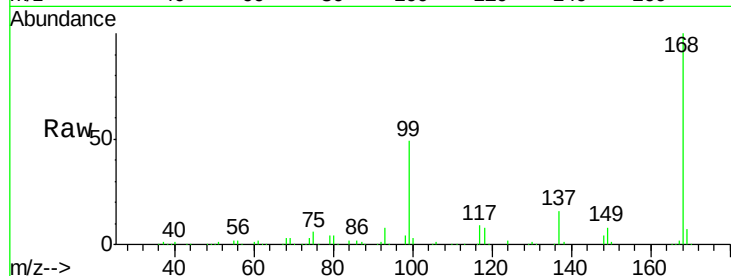
Ion Ratio Lower Upper

168 100

99 48.7 37.6 56.4

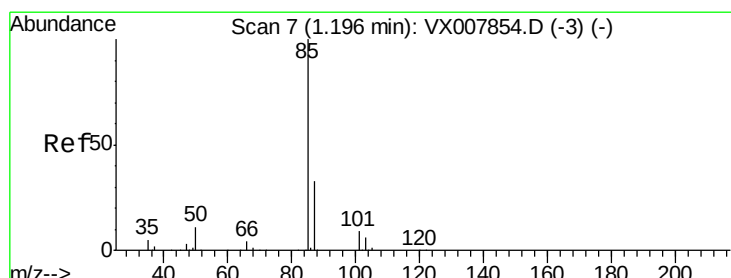
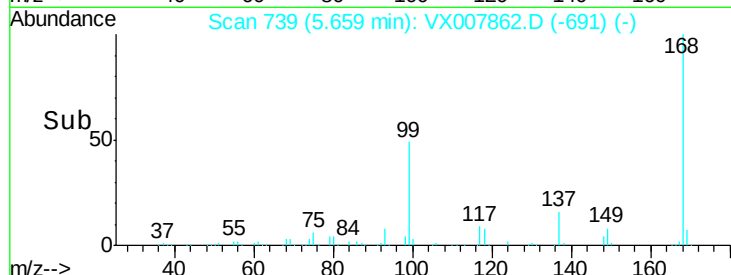
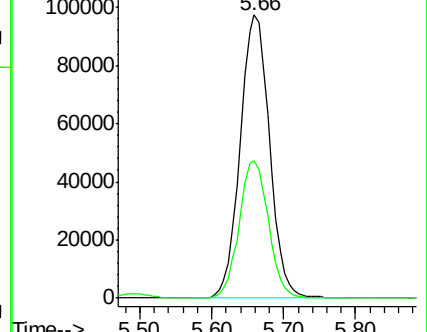
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 2.068 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007862.D

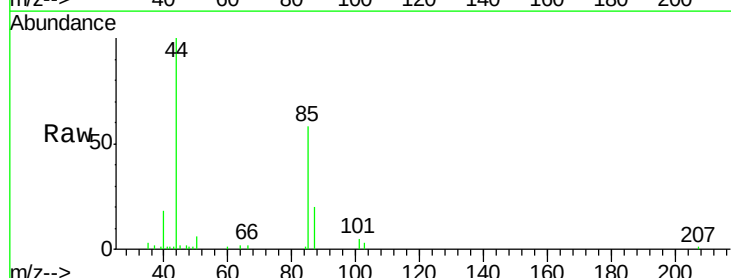
Acq: 06 Mar 2019 16:14

Tgt Ion: 85 Resp: 4876

Ion Ratio Lower Upper

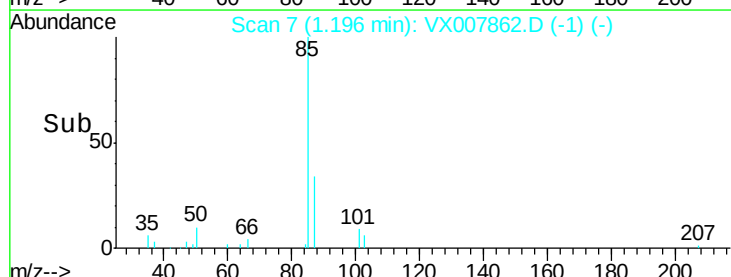
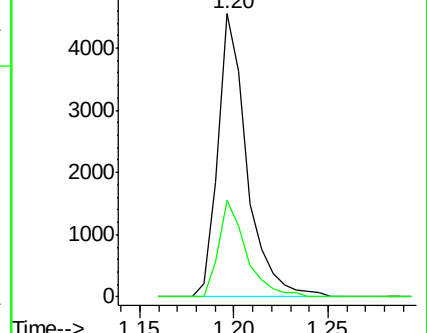
85 100

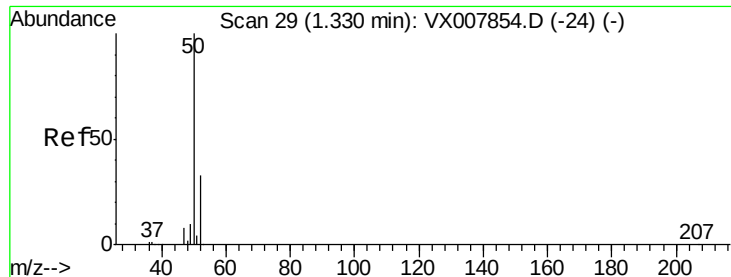
87 34.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.152 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 50 Resp: 6538

Ion Ratio Lower Upper

50 100

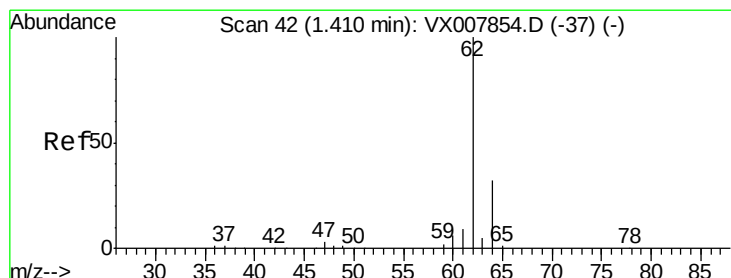
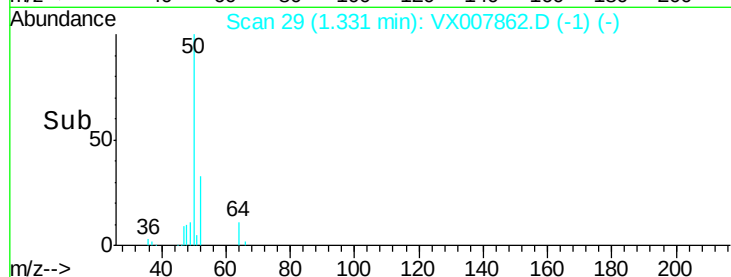
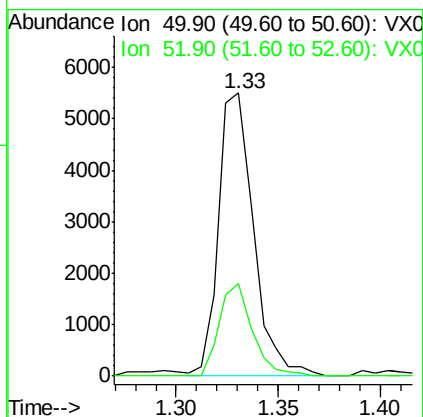
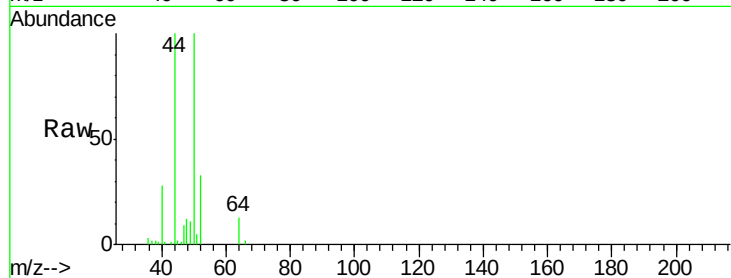
52 32.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 2.036 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007862.D

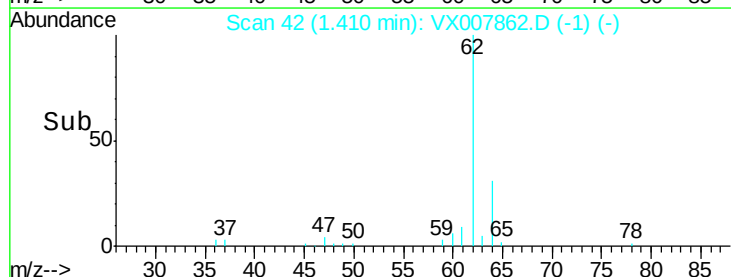
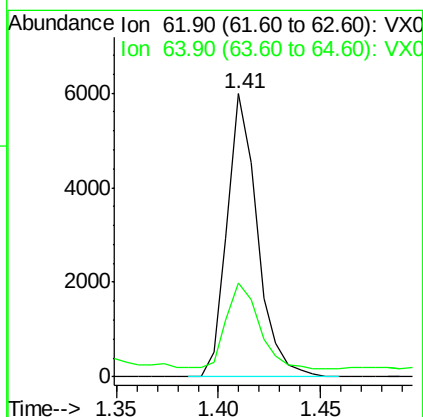
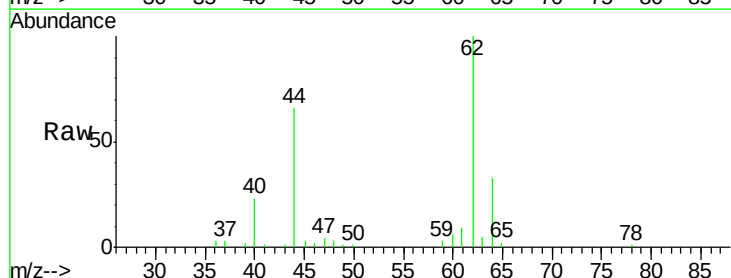
Acq: 06 Mar 2019 16:14

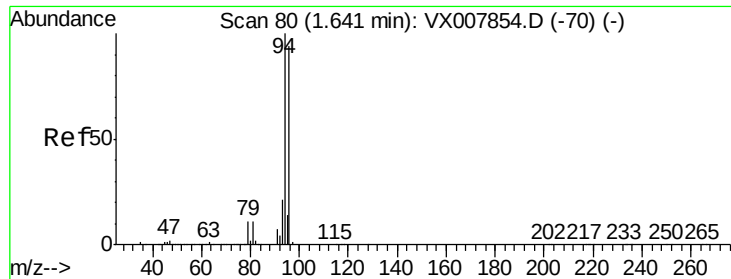
Tgt Ion: 62 Resp: 6147

Ion Ratio Lower Upper

62 100

64 29.9 25.3 37.9





#5

Bromomethane

Concen: 1.320 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 94 Resp: 3426

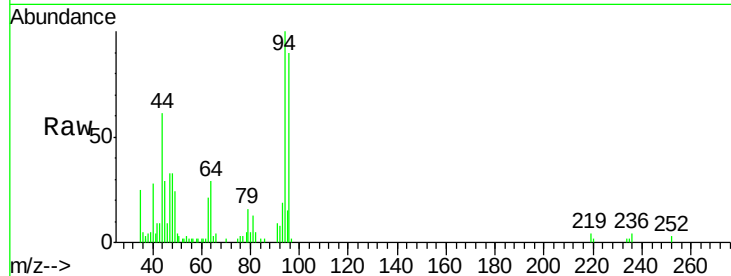
Ion Ratio Lower Upper

94 100

96 91.2 75.5 113.3

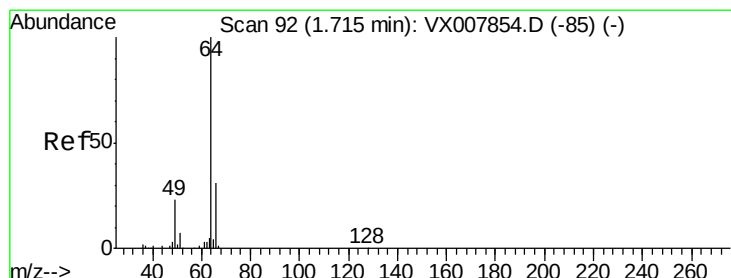
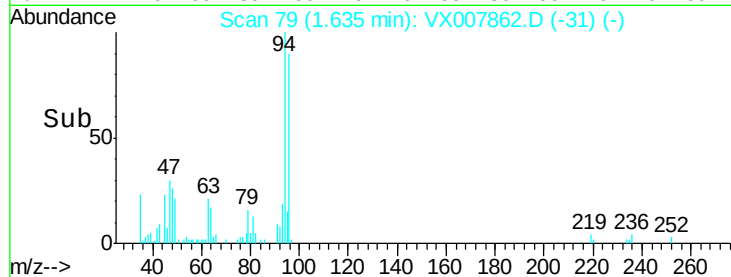
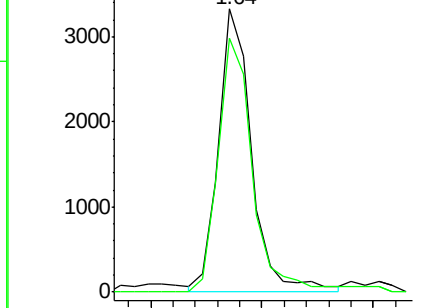
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.742 ug/l m

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX007862.D

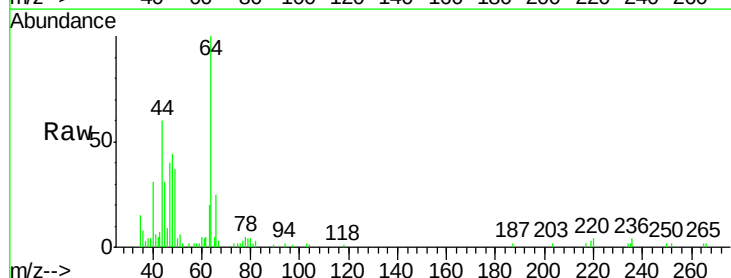
Acq: 06 Mar 2019 16:14

Tgt Ion: 64 Resp: 3493

Ion Ratio Lower Upper

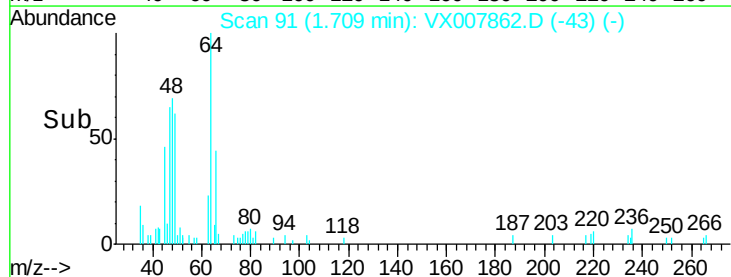
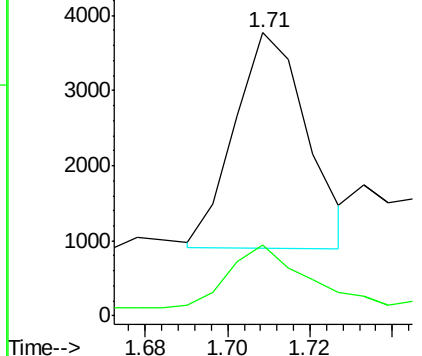
64 100

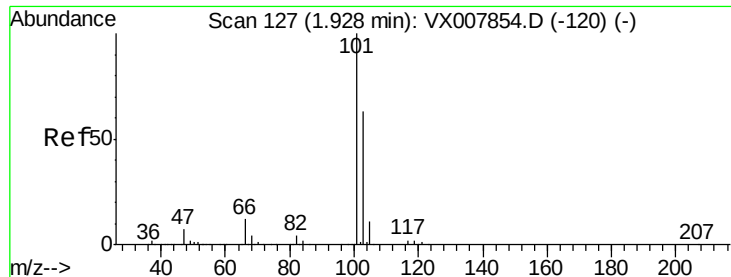
66 24.9 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

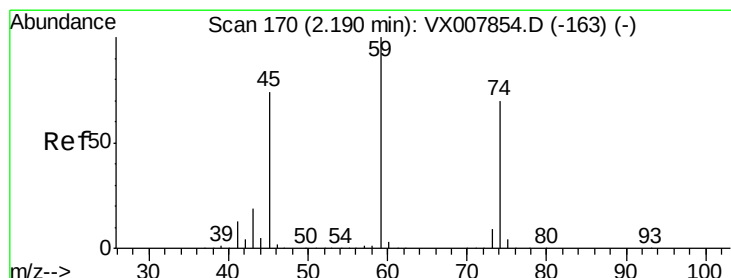
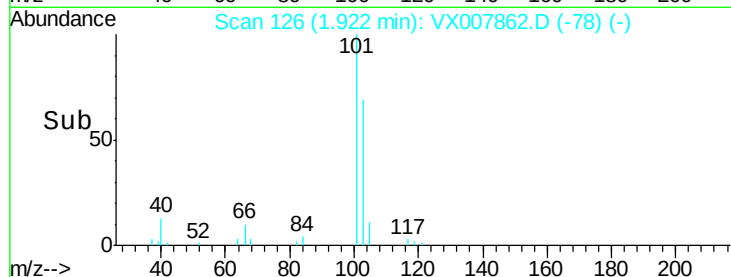
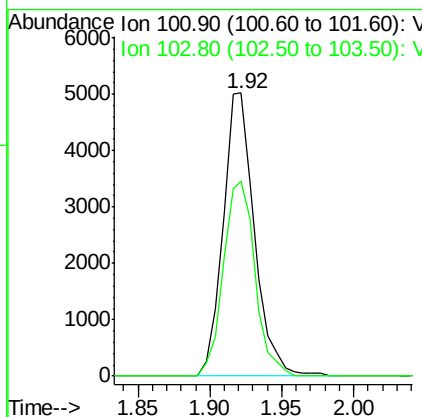
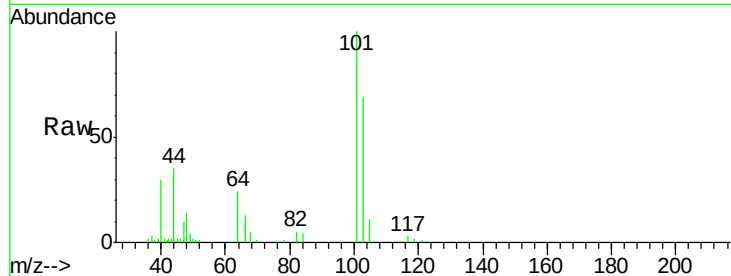
Trichlorofluoromethane
 Concen: 1.960 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	50.4	75.6

Manual Integrations
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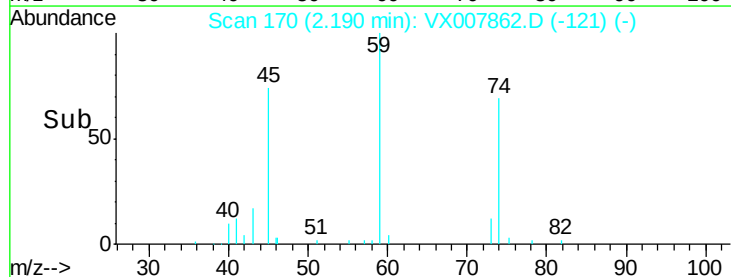
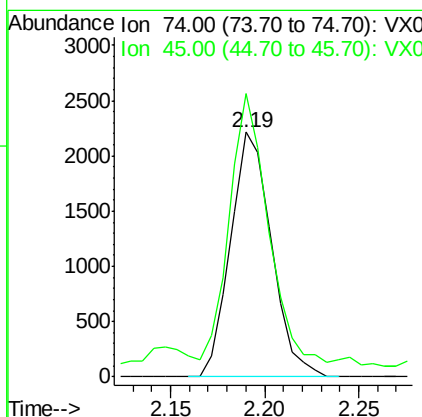
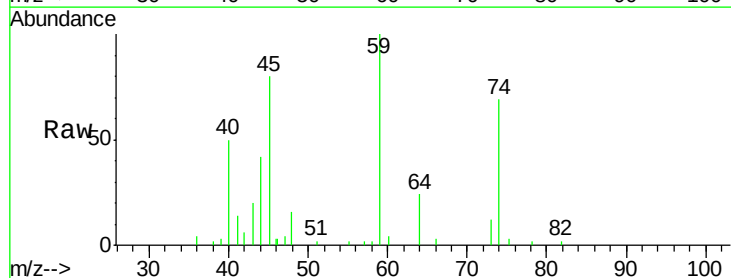
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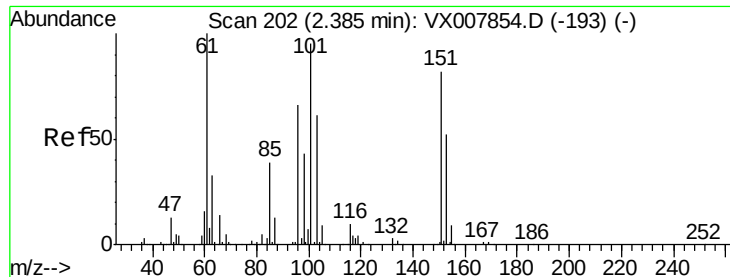


#8

Diethyl Ether
 Concen: 1.963 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.099 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

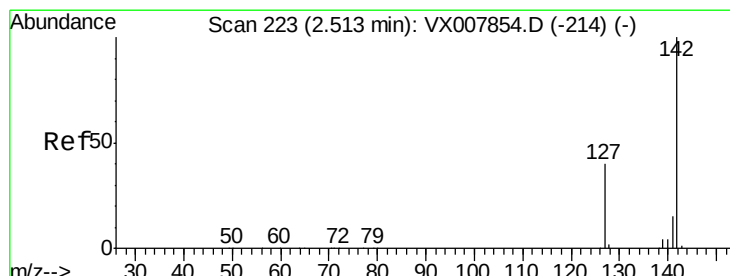
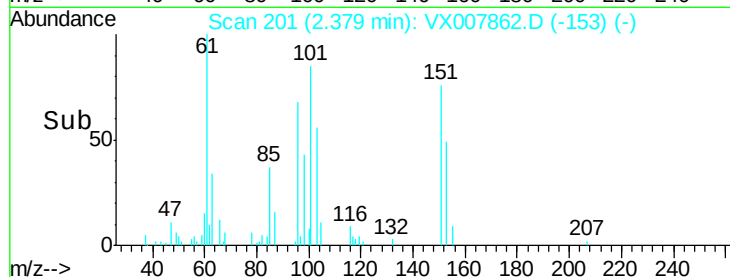
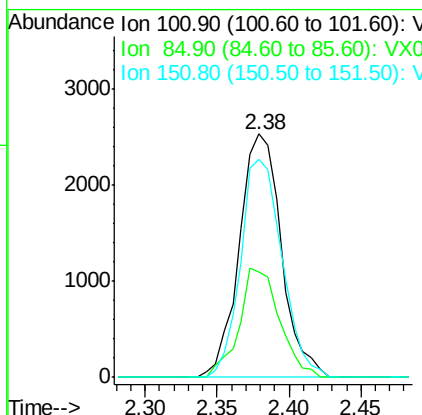
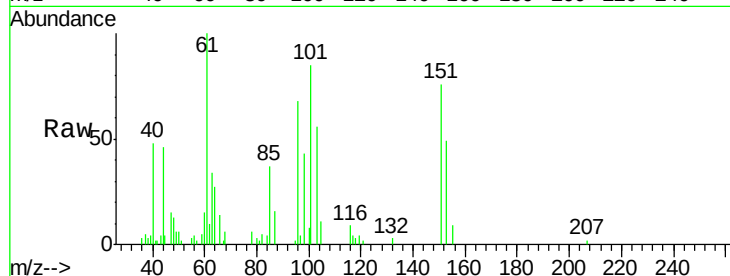
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	101	Resp:	5114
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.8	50.6
151	88.4	69.1	103.7

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#10

Methyl Iodide

Concen: 9.846 ug/l

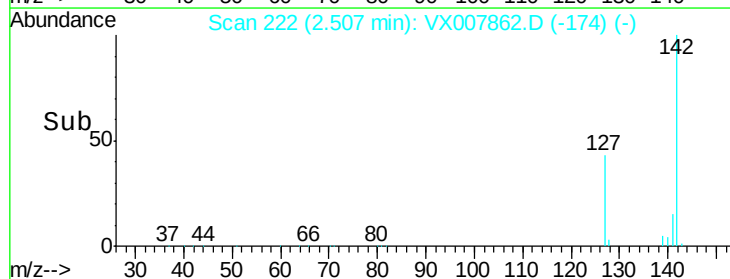
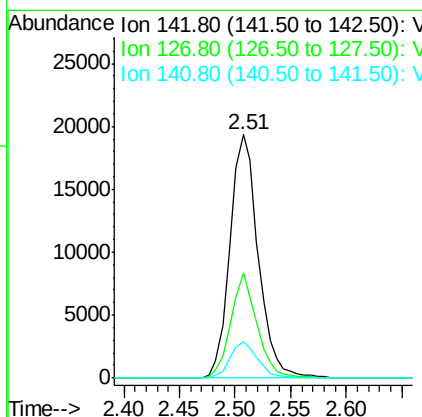
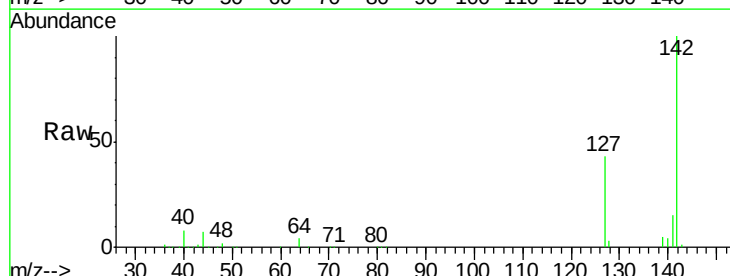
RT: 2.51 min Scan# 222

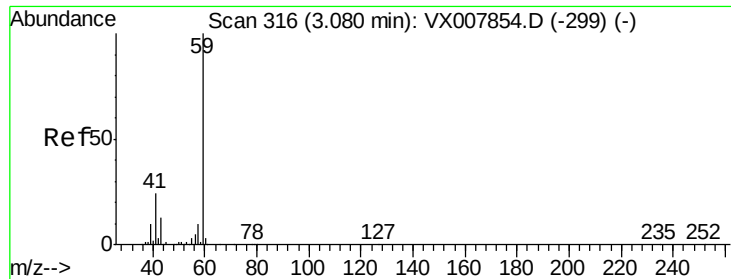
Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	142	Resp:	34024
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.1	48.1
141	14.5	11.4	17.2





#11

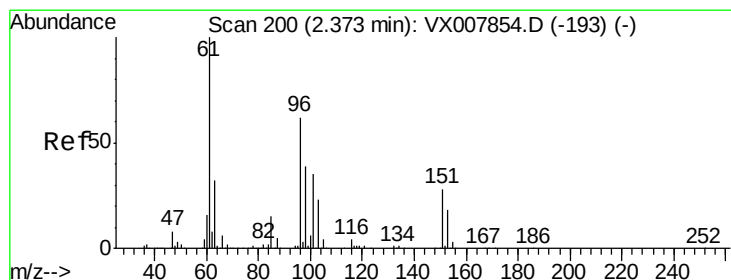
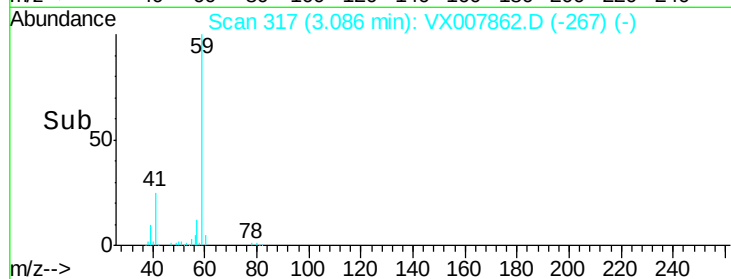
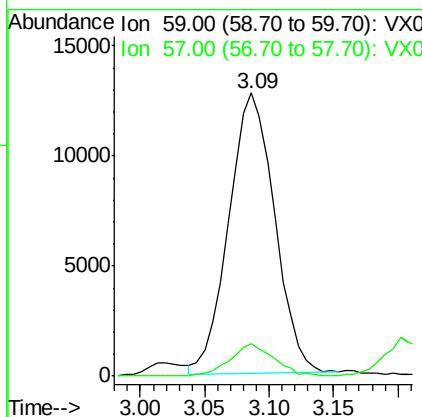
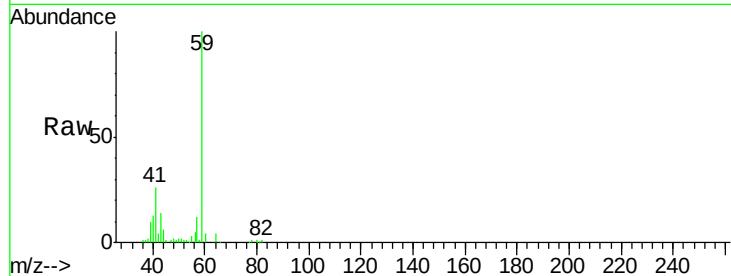
Tert butyl alcohol
 Concen: 48.459 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.2

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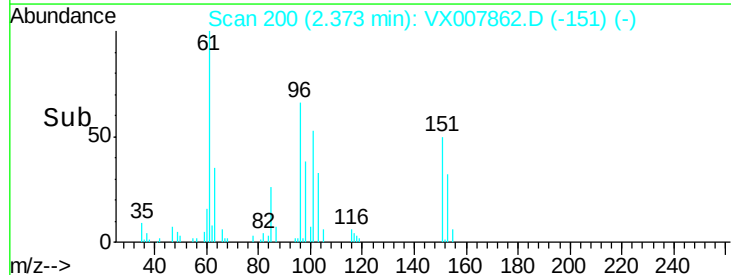
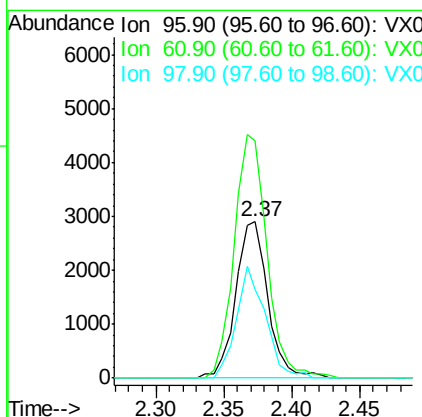
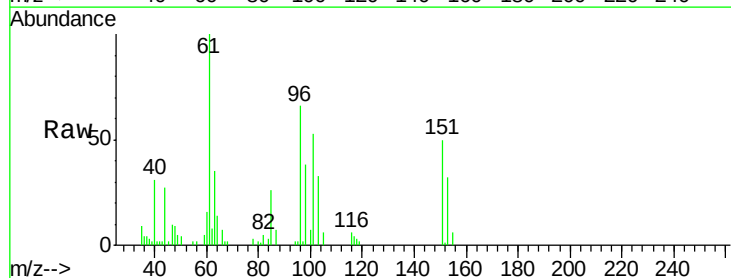
MMDadoda
 3/7/2019 10:35:29 AM

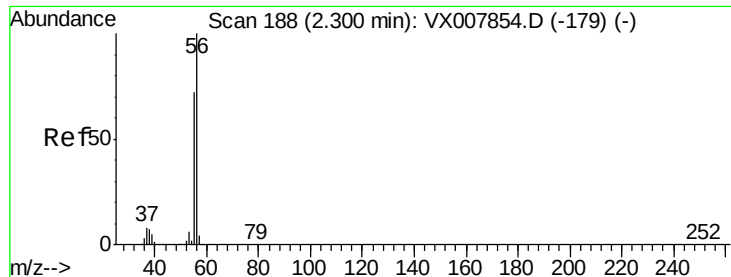


#12

1,1-Dichloroethene
 Concen: 2.041 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	129.8	194.6
98	57.1	51.0	76.6





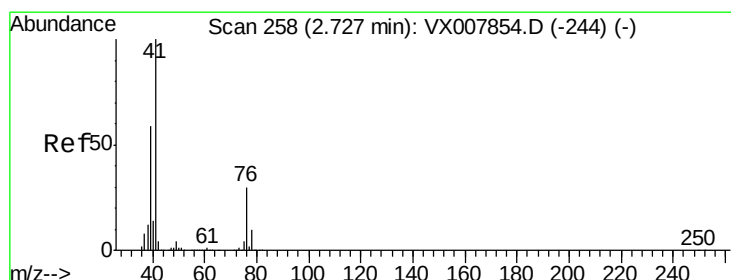
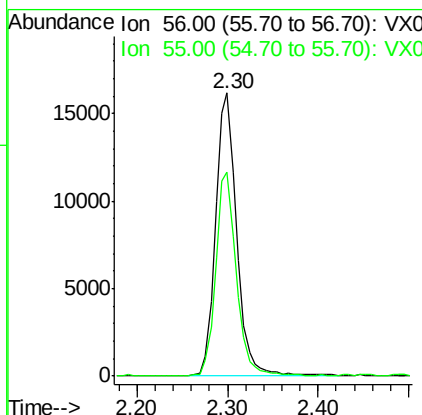
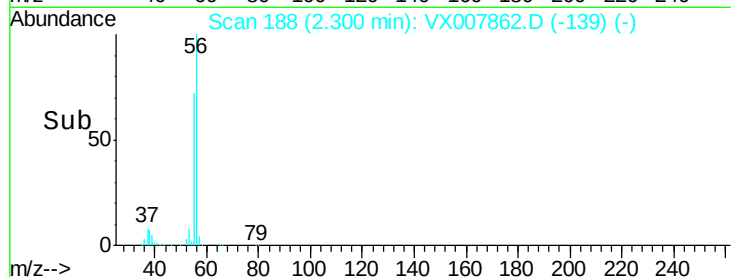
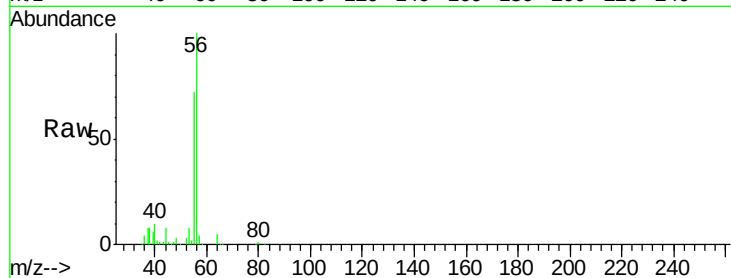
#13
Acrolein
Concen: 73.025 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.8	86.6

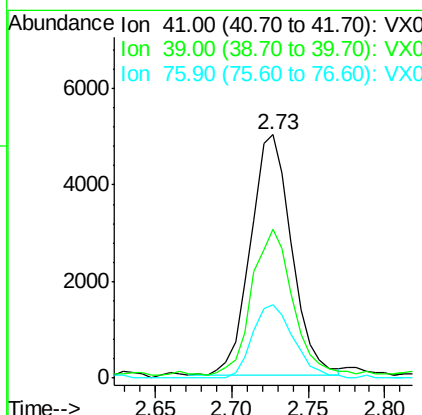
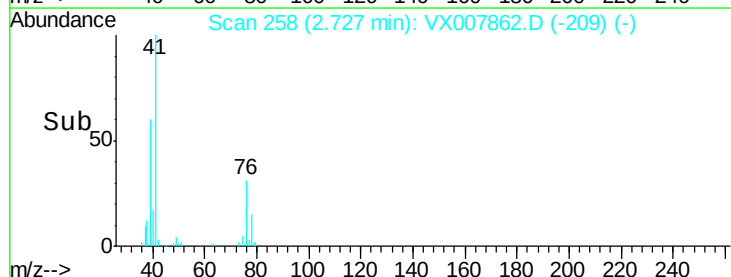
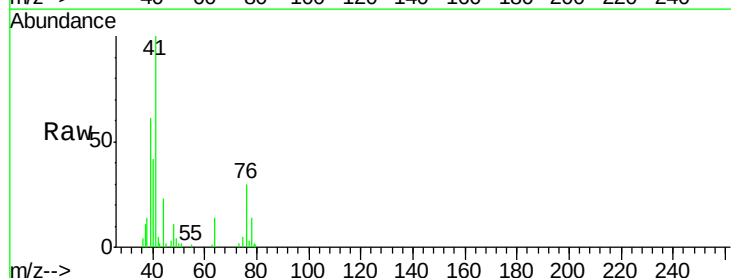
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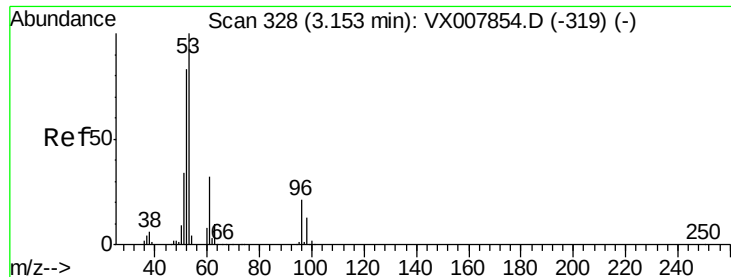
MMDadoda
3/7/2019 10:35:29 AM



#14
Allyl chloride
Concen: 1.888 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.8	46.1	69.1
76	30.9	24.0	36.0





#15

Acrylonitrile

Concen: 9.980 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

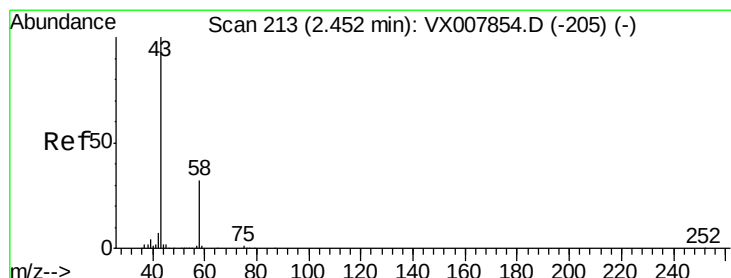
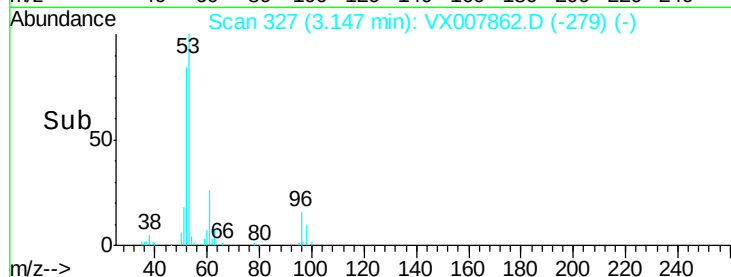
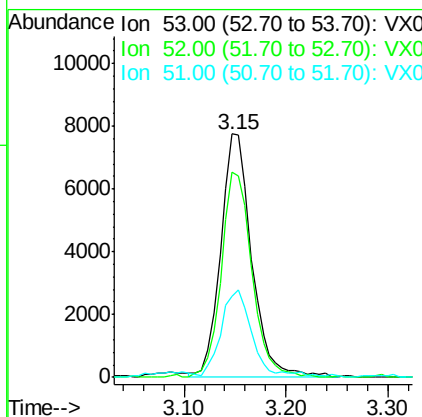
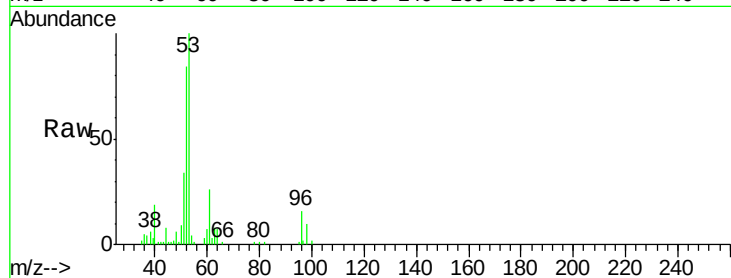
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	53	Resp:	16400
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.0	99.0
51	34.6	28.0	42.0

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#16

Acetone

Concen: 10.859 ug/l

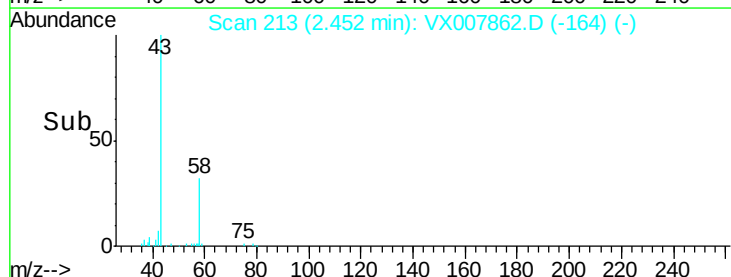
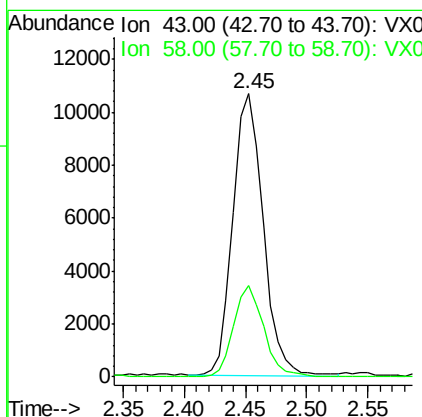
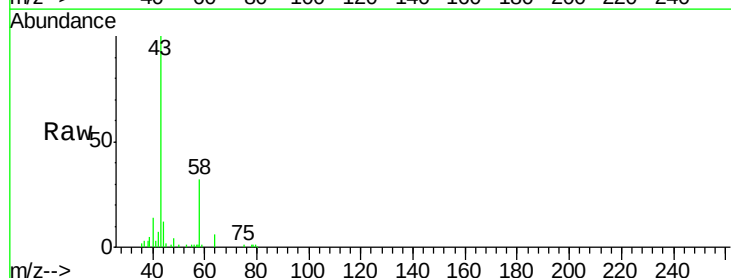
RT: 2.45 min Scan# 213

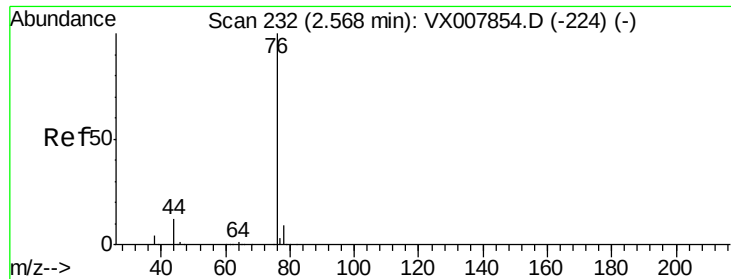
Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	43	Resp:	18297
Ion Ratio	Lower	Upper	
43	100		
58	32.3	25.5	38.3





#17

Carbon Disulfide

Concen: 1.728 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 76 Resp: 15417

Ion Ratio Lower Upper

76 100

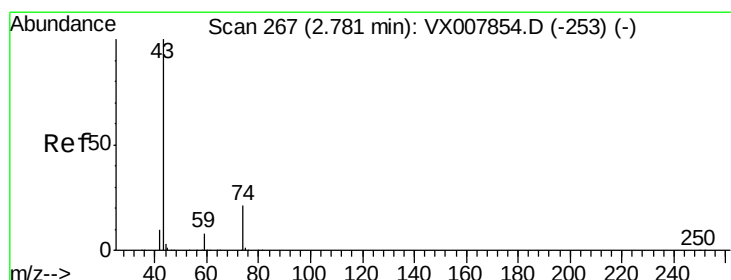
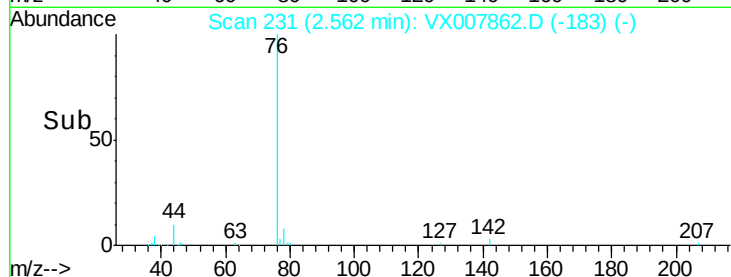
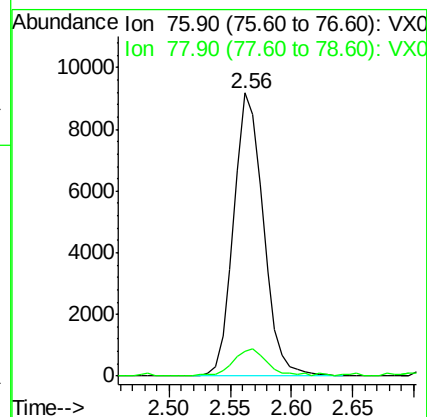
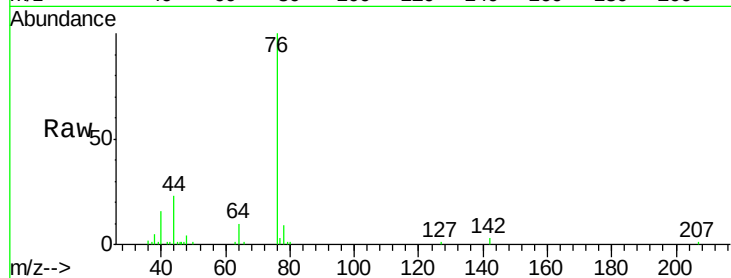
78 8.9 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 2.085 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007862.D

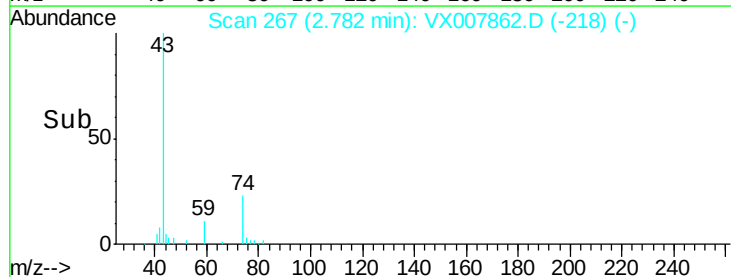
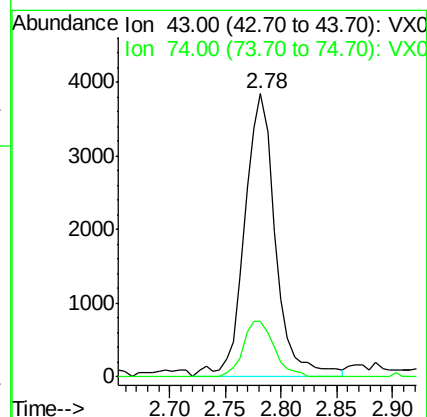
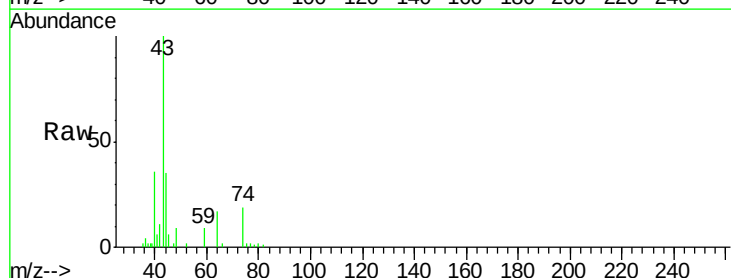
Acq: 06 Mar 2019 16:14

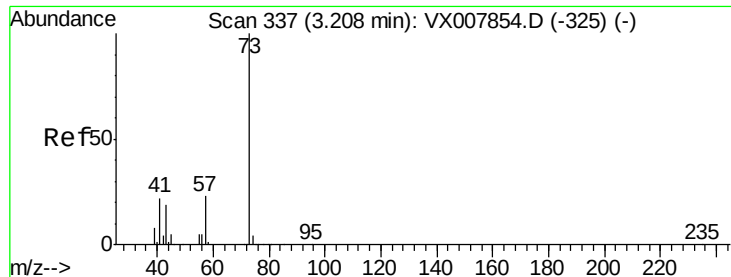
Tgt Ion: 43 Resp: 7464

Ion Ratio Lower Upper

43 100

74 19.8 17.8 26.6





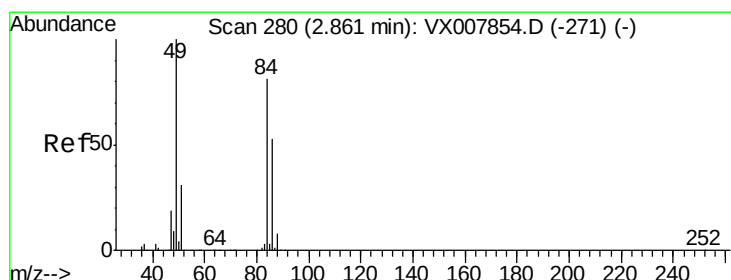
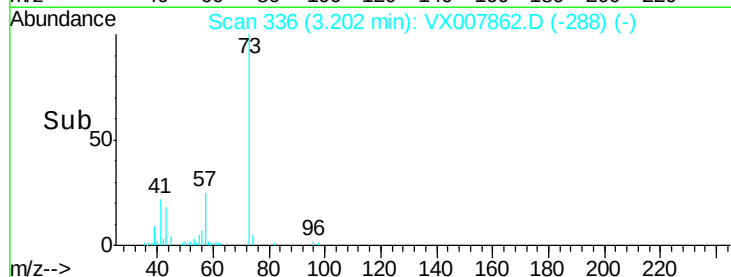
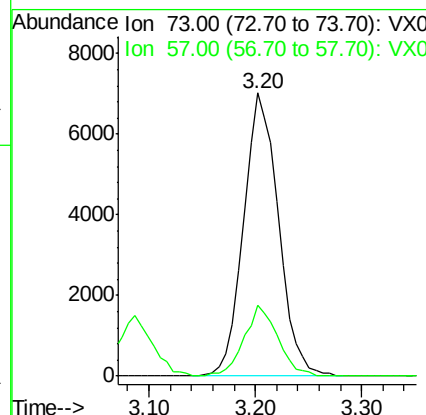
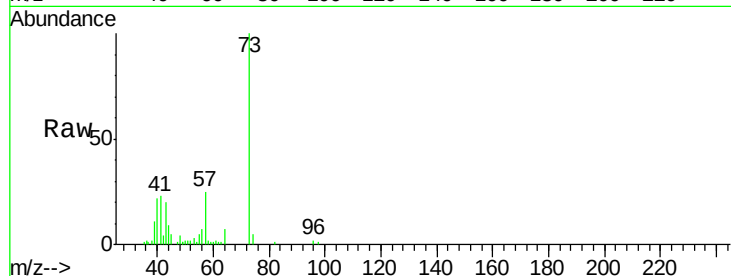
#19
Methyl tert-butyl Ether
Concen: 2.007 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.2	27.4

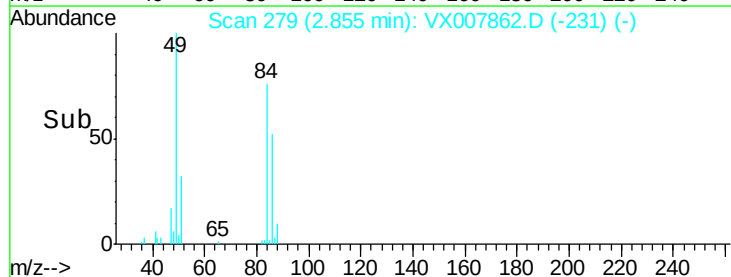
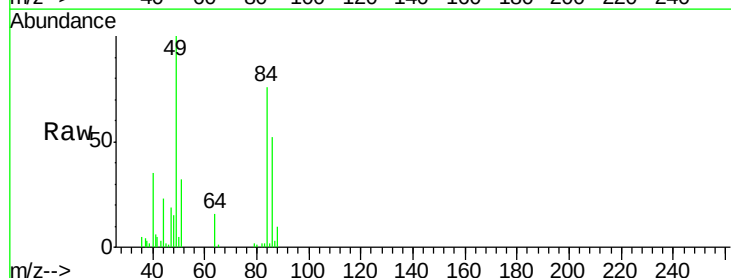
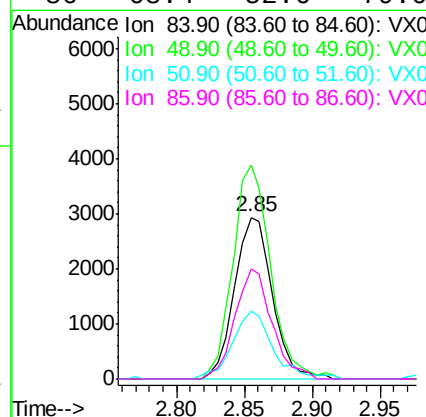
Manual Integrations
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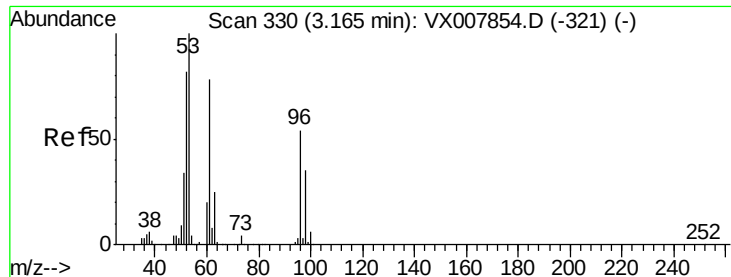
MMDadoda
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#20
Methylene Chloride
Concen: 2.126 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.4	99.3	148.9
51	42.0	31.3	46.9
86	68.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 2.074 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

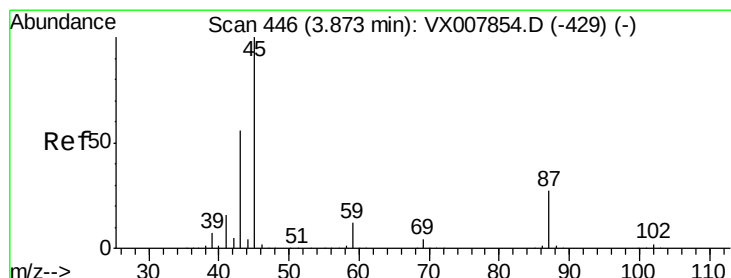
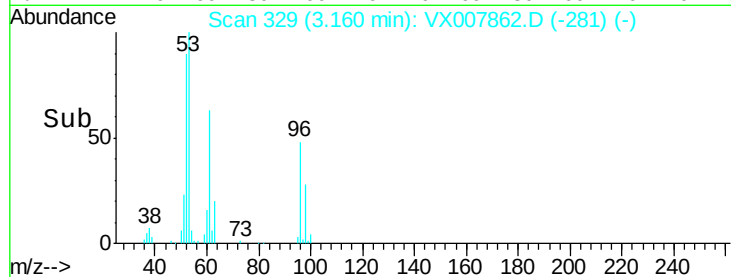
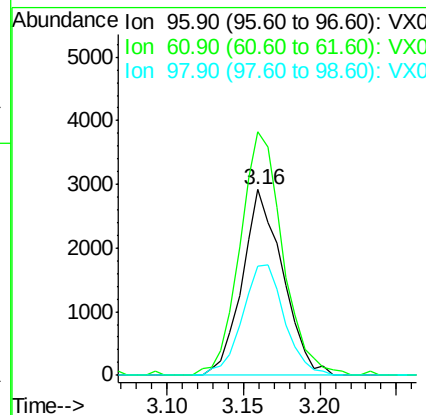
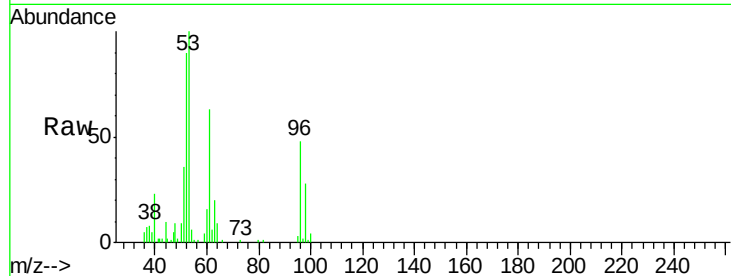
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	96	Resp:	5359
Ion	Ratio	Lower	Upper
96	100		
61	131.1	114.4	171.6
98	58.7	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.038 ug/l

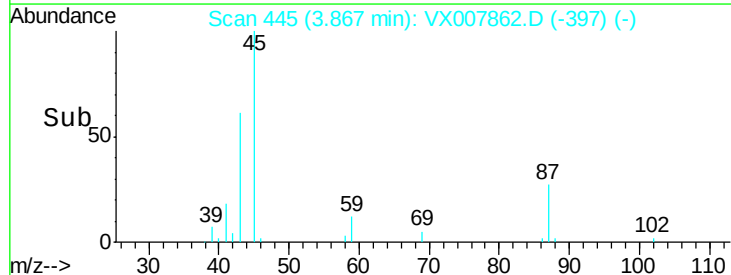
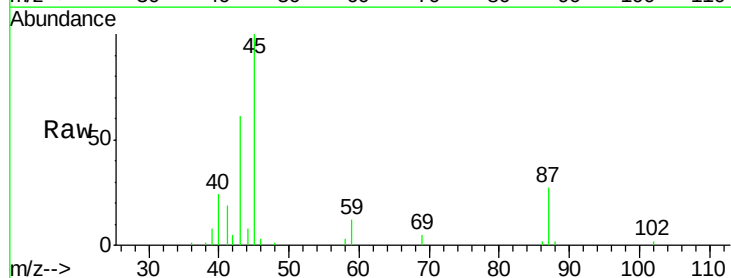
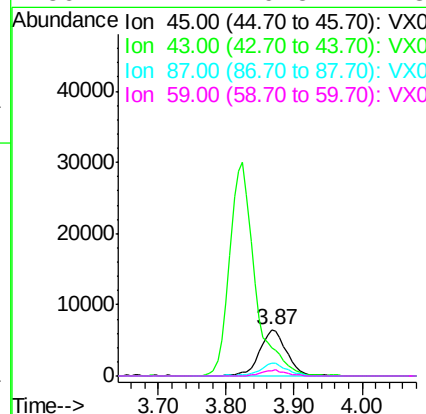
RT: 3.87 min Scan# 445

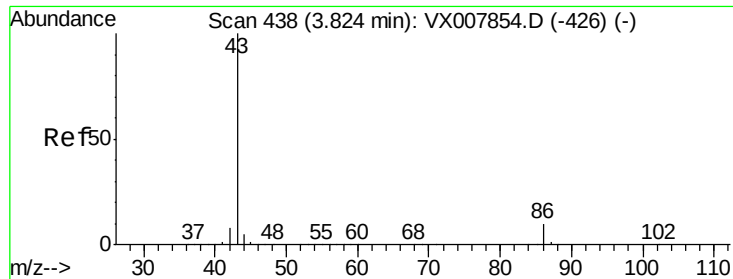
Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	45	Resp:	18436
Ion	Ratio	Lower	Upper
45	100		
43	61.0	45.3	67.9
87	26.6	21.4	32.0
59	12.4	9.5	14.3





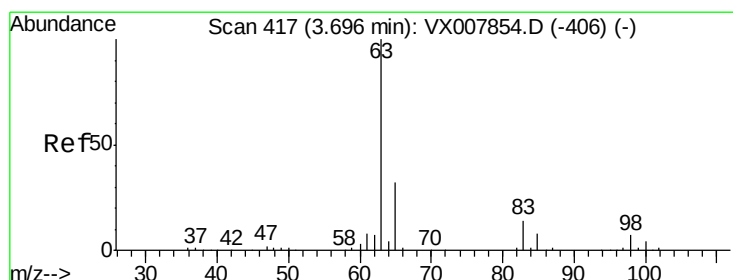
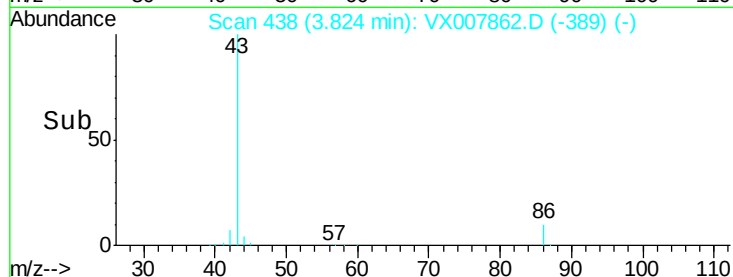
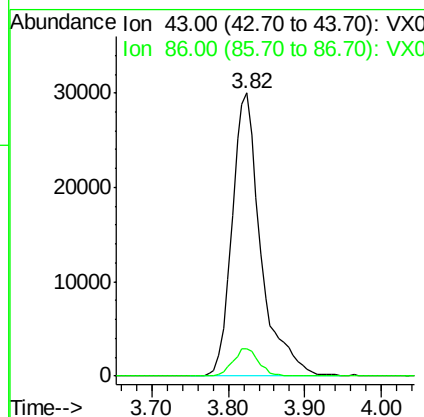
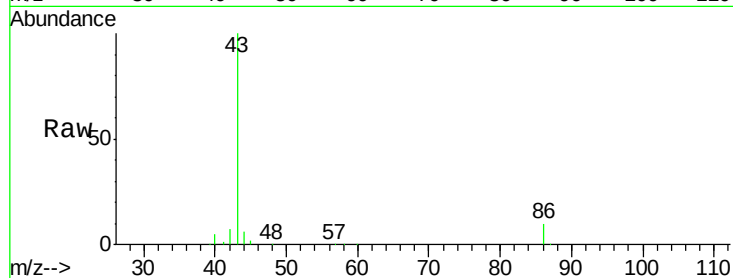
#23
Vinyl Acetate
Concen: 9.815 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 77843
Ion Ratio Lower Upper
43 100
86 9.6 7.9 11.9

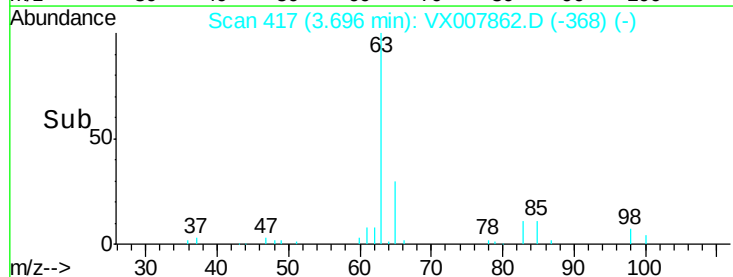
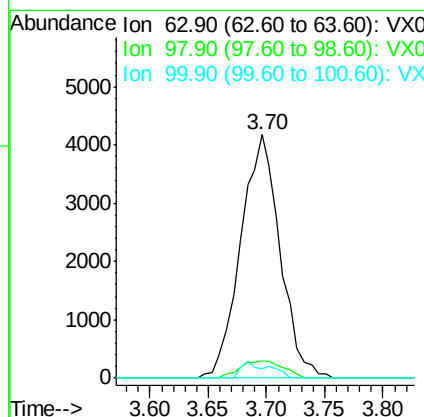
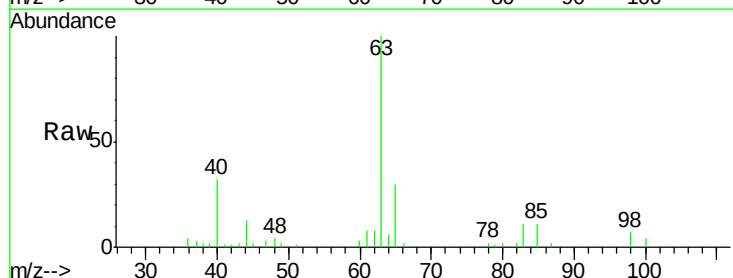
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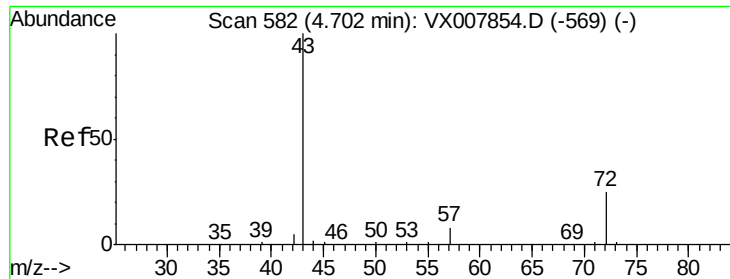
MMDadoda
3/7/2019 10:35:29 AM



#24
1,1-Dichloroethane
Concen: 2.018 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion: 63 Resp: 9820
Ion Ratio Lower Upper
63 100
98 7.1 3.3 9.8
100 4.0 2.3 6.8





#25

2-Butanone

Concen: 9.944 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 23721

Ion Ratio Lower Upper

43 100

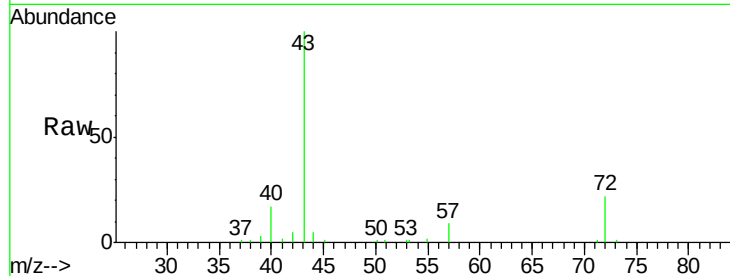
72 22.4 19.9 29.9

Manual Integrations

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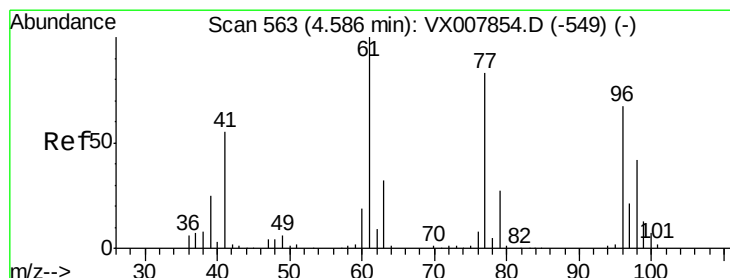
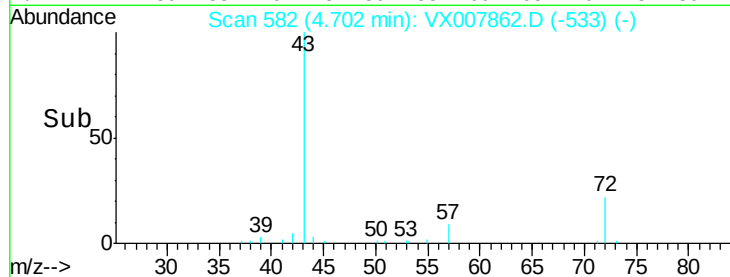
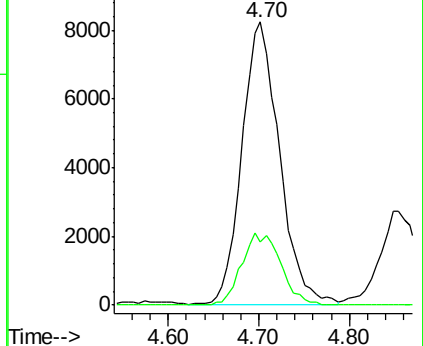
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.879 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007862.D

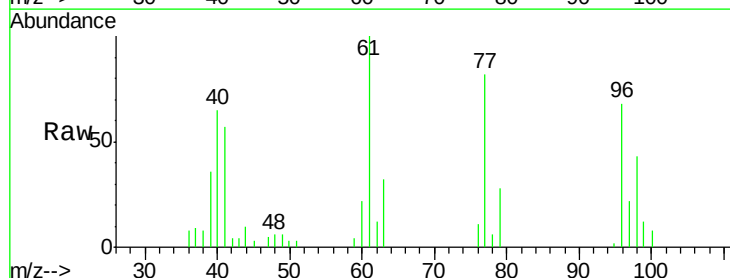
Acq: 06 Mar 2019 16:14

Tgt Ion: 77 Resp: 6060

Ion Ratio Lower Upper

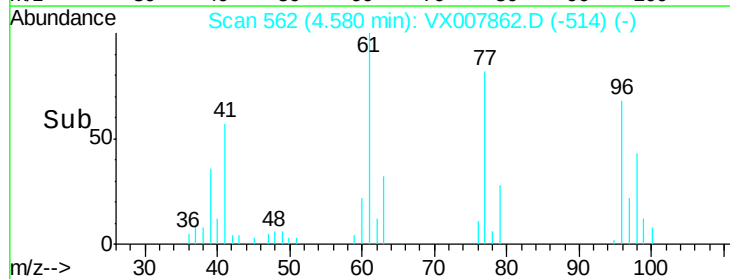
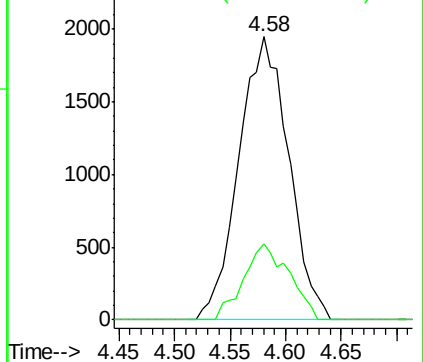
77 100

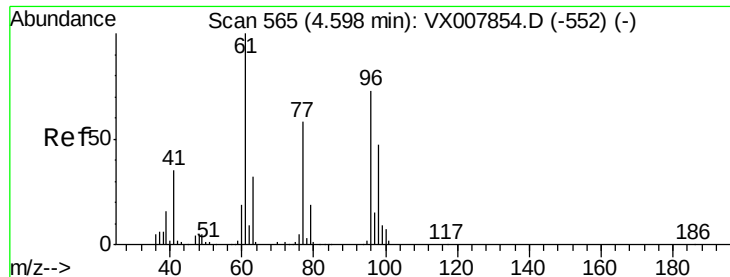
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

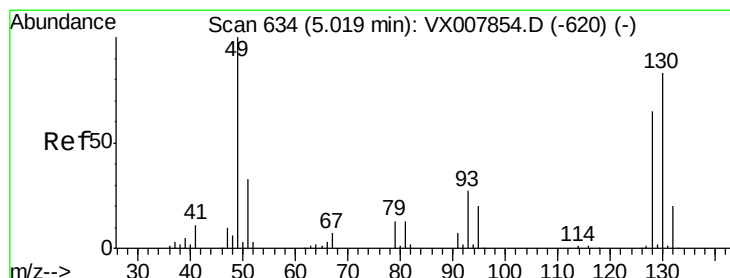
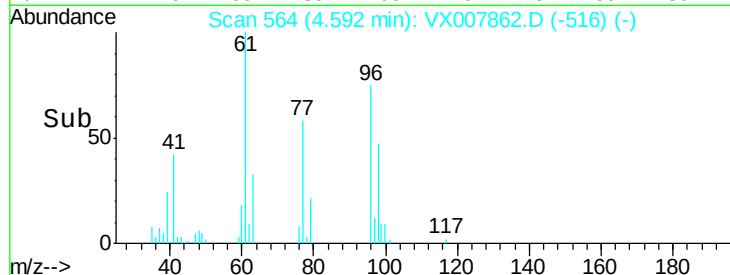
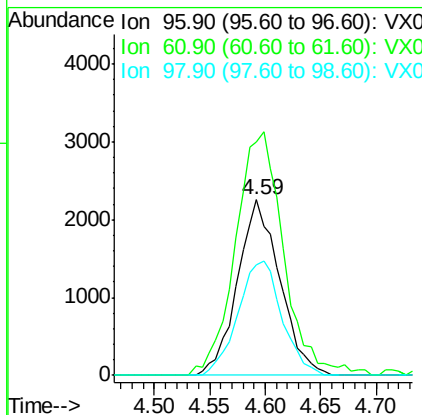
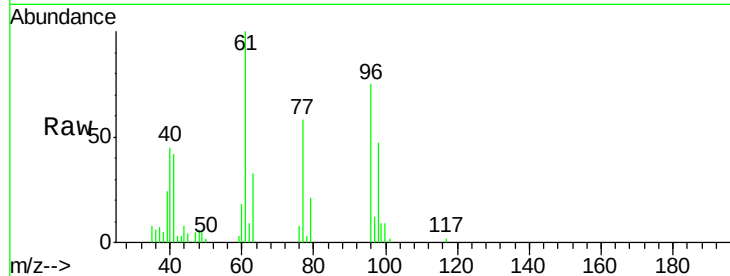
cis-1,2-Dichloroethene
Concen: 2.015 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	288.0
98	67.3	0.0	129.0

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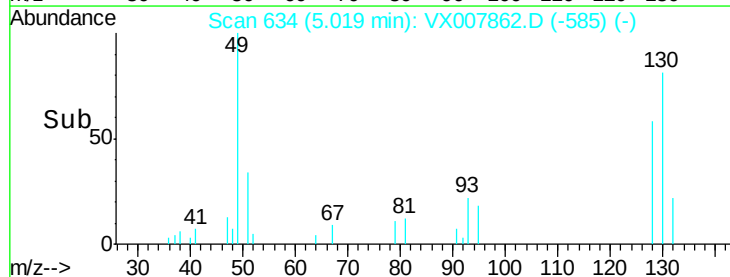
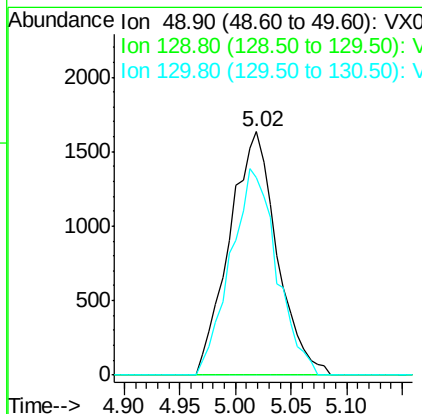
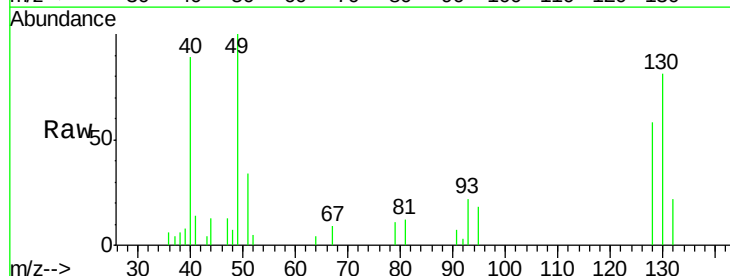
MMDadoda
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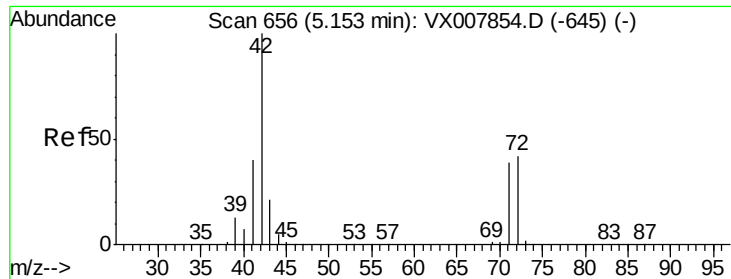


#28

Bromochloromethane
Concen: 2.139 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	82.2	65.0	97.4





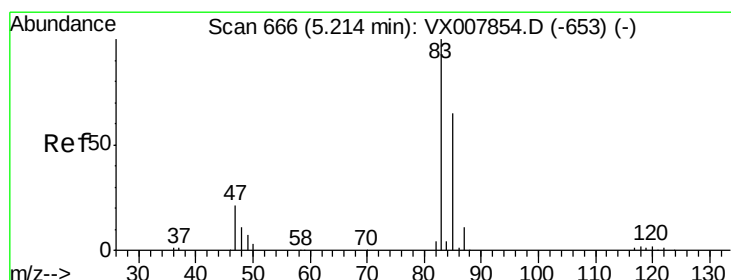
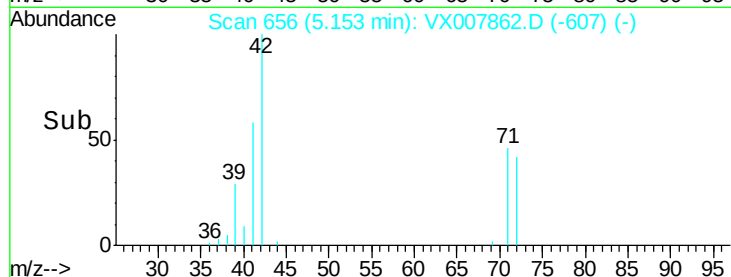
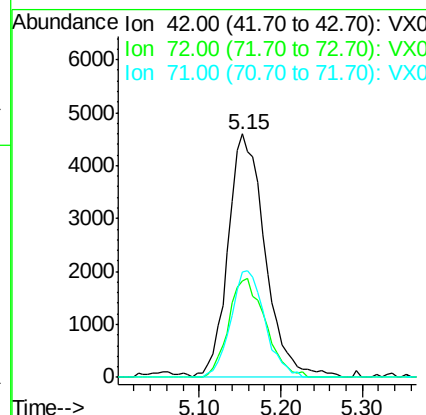
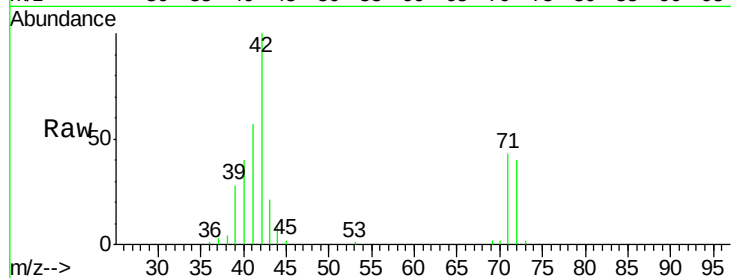
#29
Tetrahydrofuran
Concen: 9.696 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.8	50.6
71	40.2	31.5	47.3

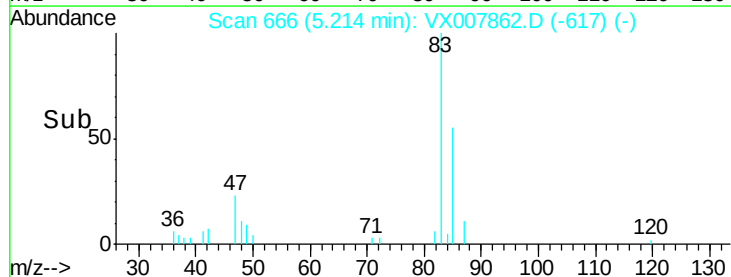
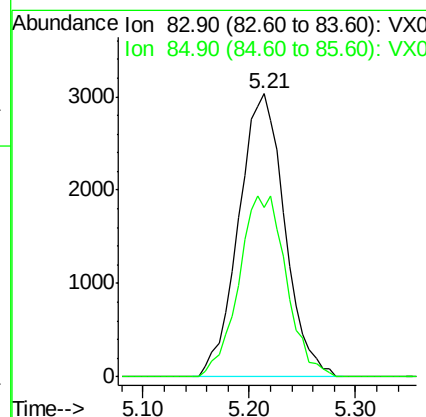
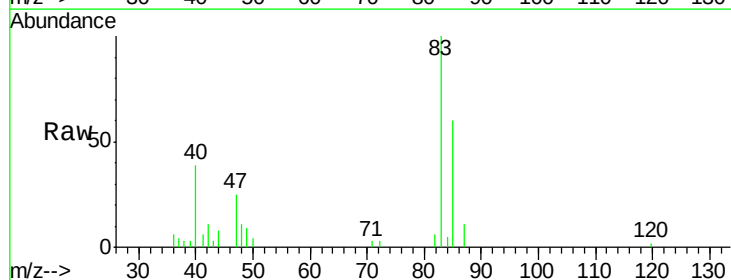
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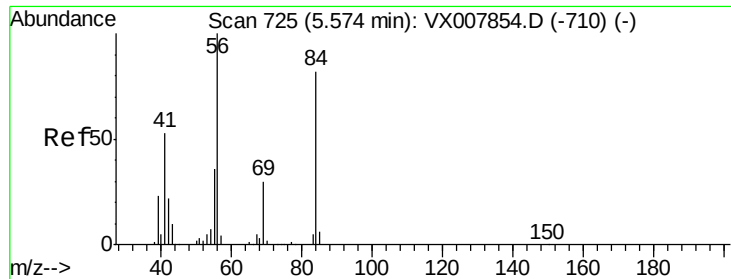
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#30
Chloroform
Concen: 1.994 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	51.8	77.6





#31

Cyclohexane

Concen: 1.998 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

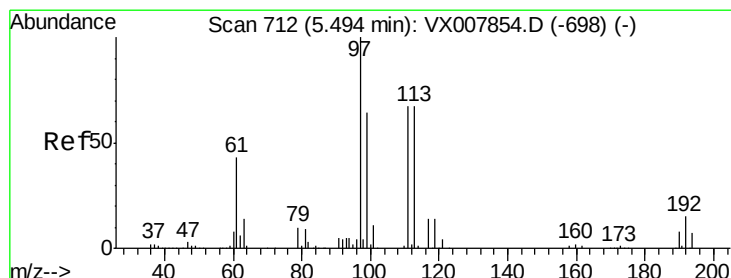
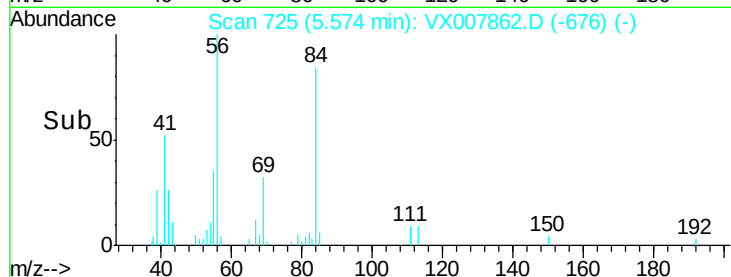
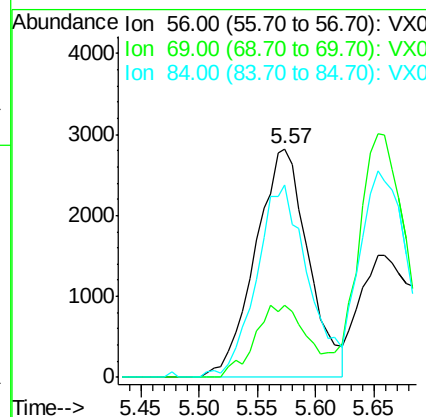
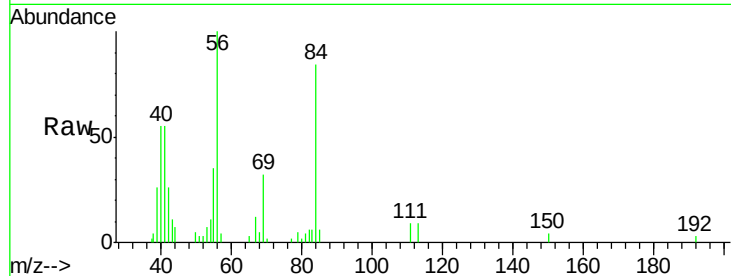
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	56	Resp:	8936
Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.0	36.0
84	84.5	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 1.873 ug/l

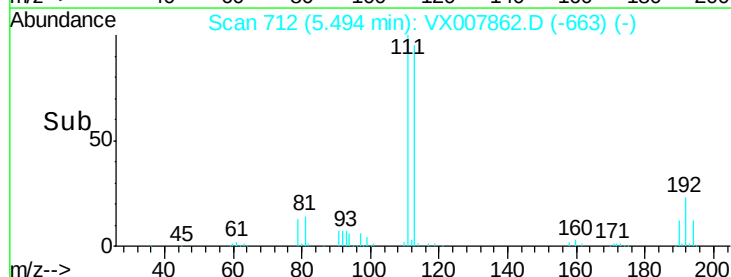
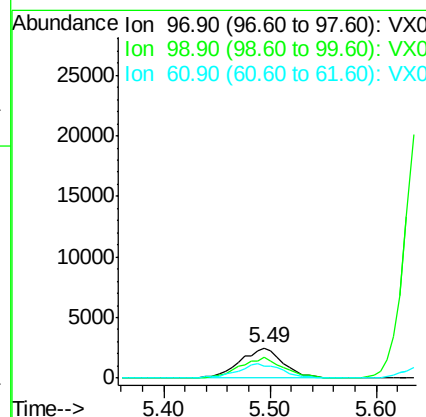
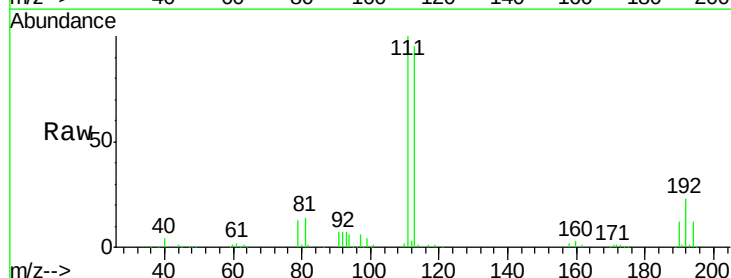
RT: 5.49 min Scan# 712

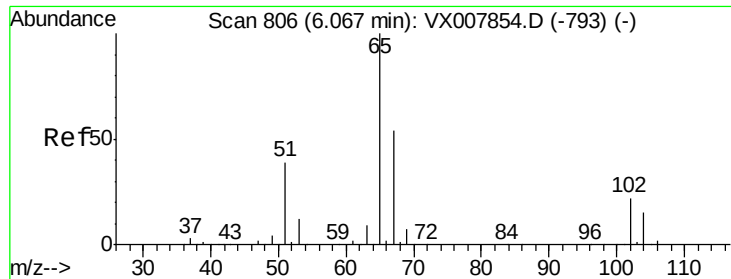
Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	97	Resp:	7153
Ion	Ratio	Lower	Upper
97	100		
99	67.5	52.2	78.2
61	47.1	34.9	52.3





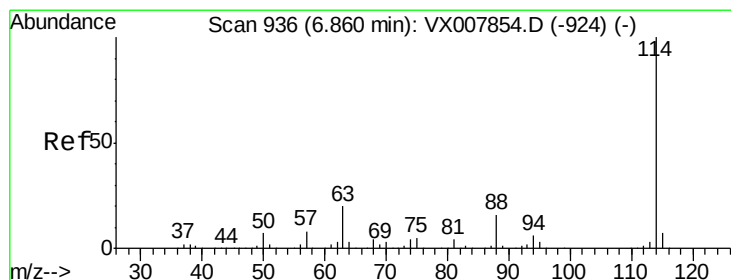
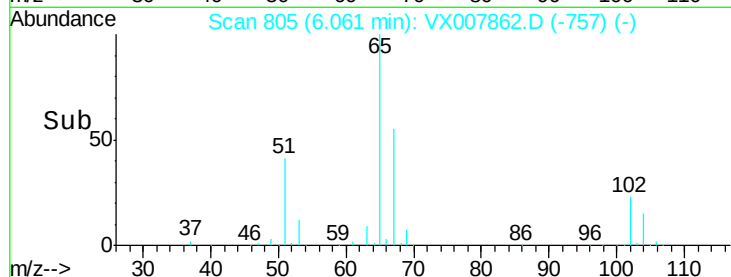
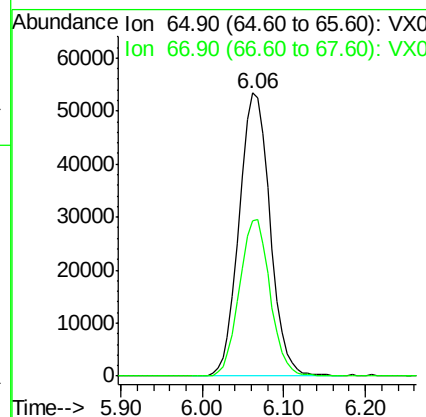
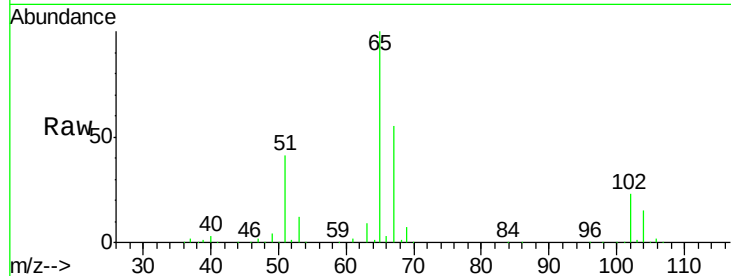
#33
 1,2-Dichloroethane-d4
 Concen: 48.227 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140398		
67	54.9	0.0	110.0	

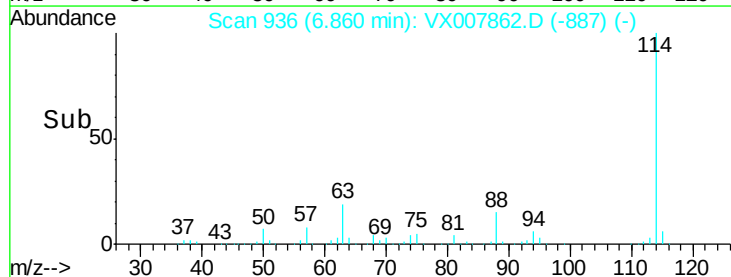
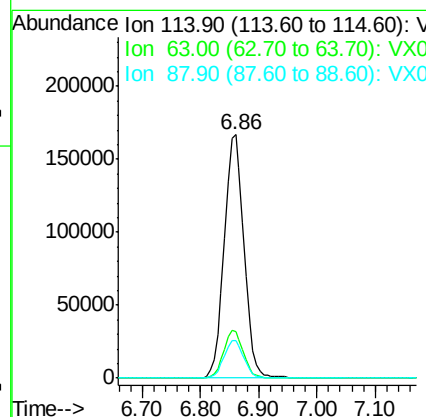
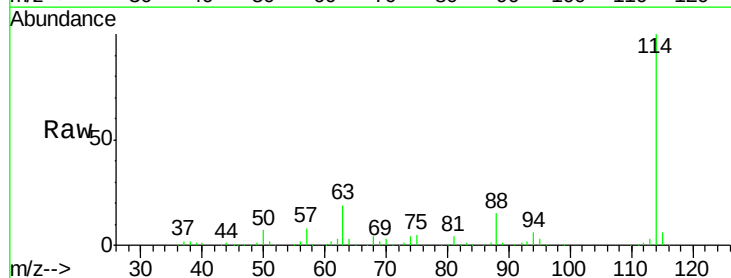
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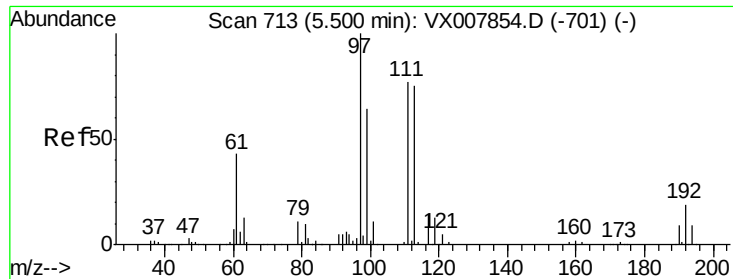
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	393358		
63	19.0	0.0	39.8	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.297 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

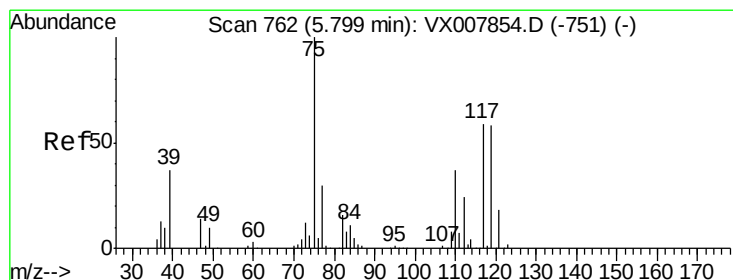
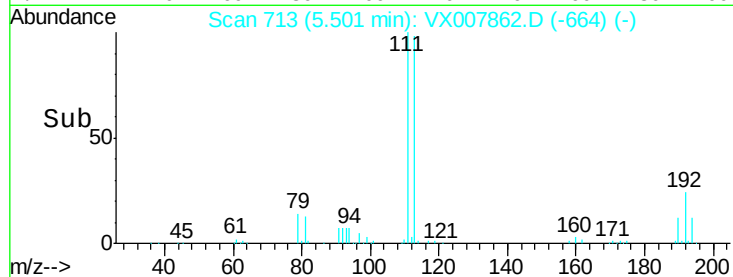
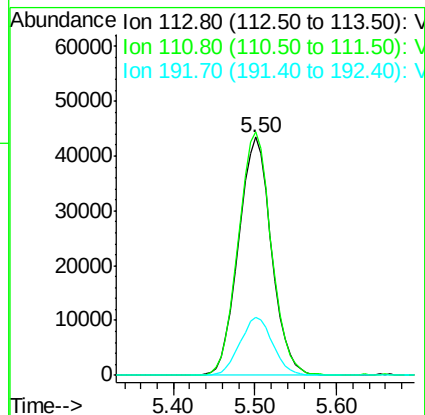
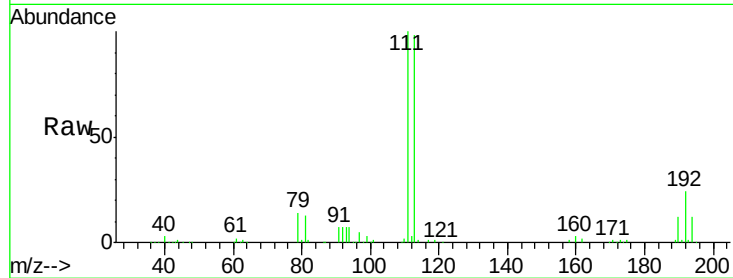
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	113	Resp:	121523
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	24.3	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 2.110 ug/l

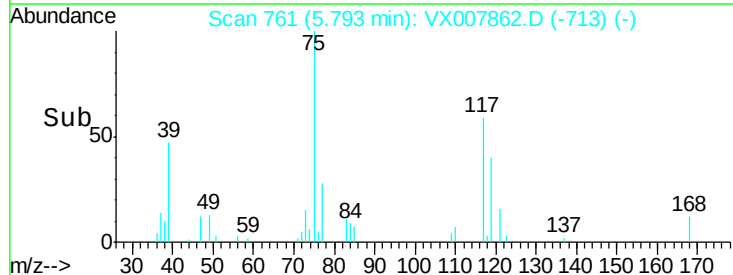
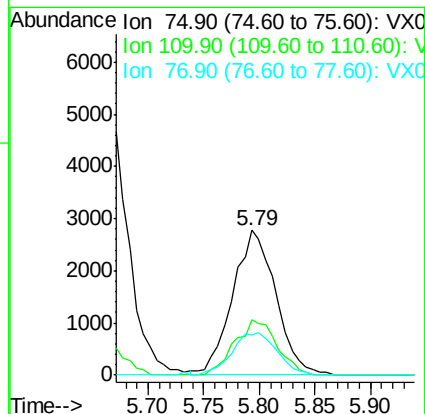
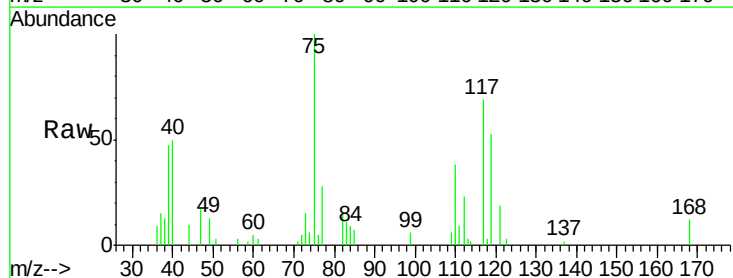
RT: 5.79 min Scan# 761

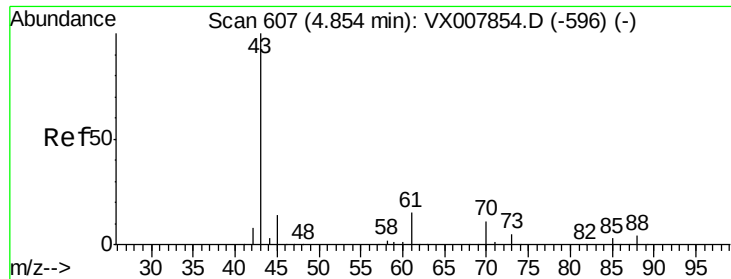
Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	75	Resp:	7517
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.4	55.0
77	30.6	25.0	37.4





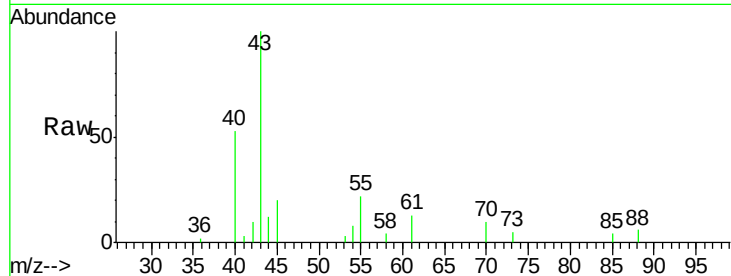
#37
Ethyl Acetate
Concen: 2.030 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.3	16.9
70	10.5	8.5	12.7

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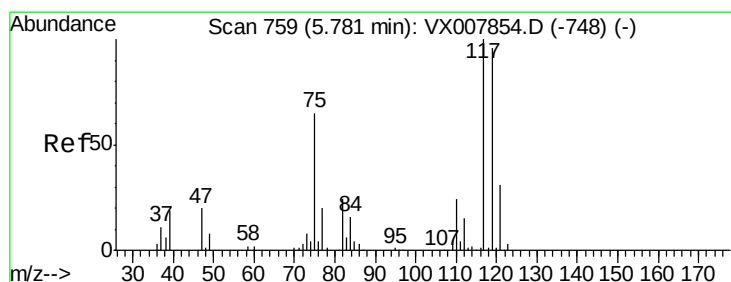
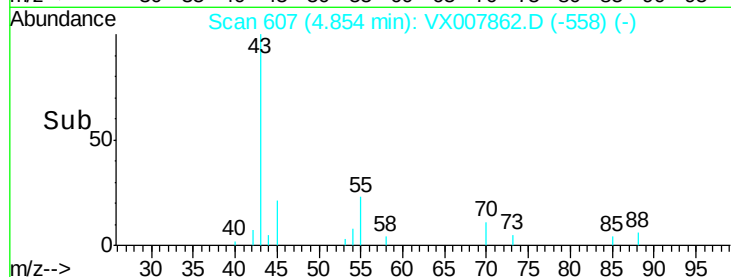
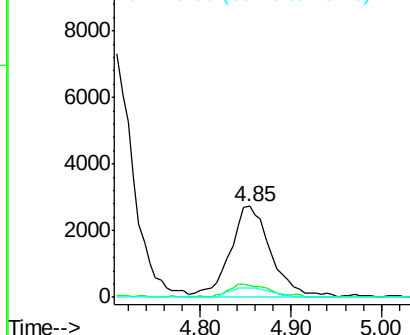


Abundance

Ion 43.00 (42.70 to 43.70): VX0

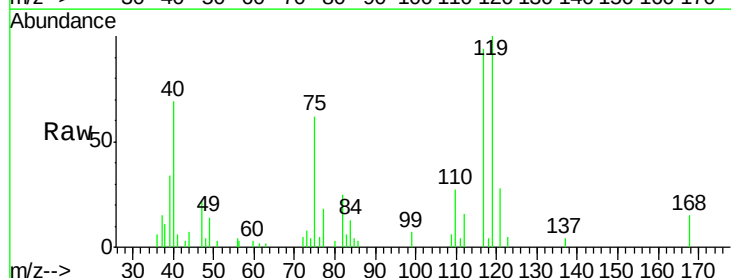
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 1.897 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.3	76.2	114.2
121	29.7	24.6	36.8

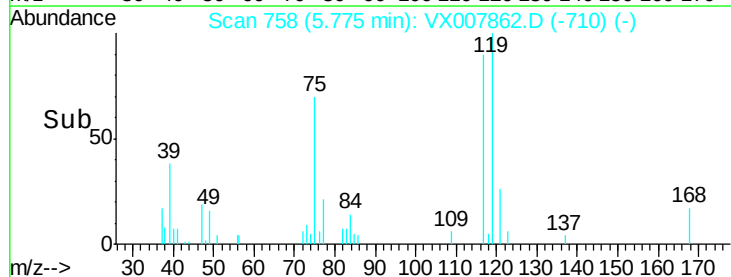
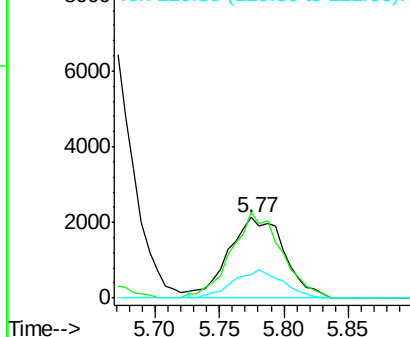


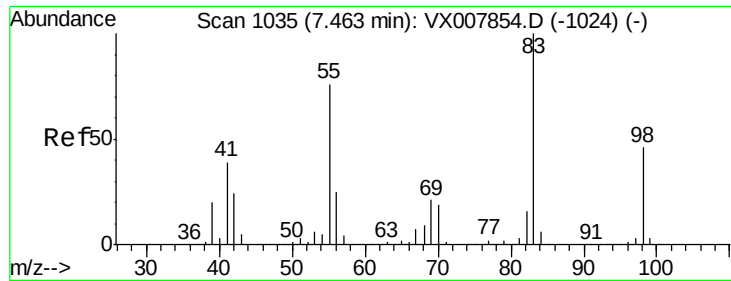
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





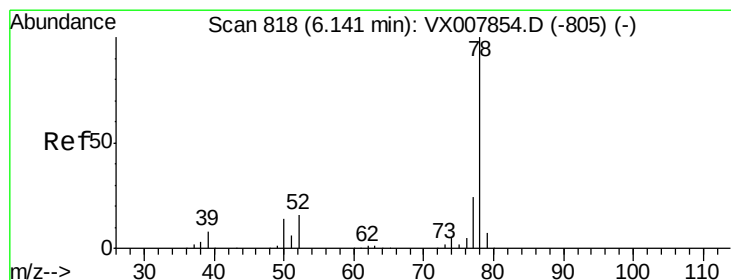
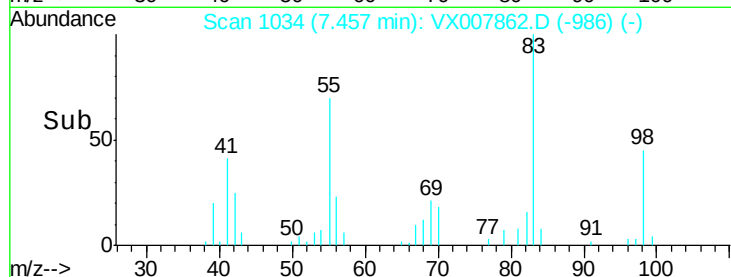
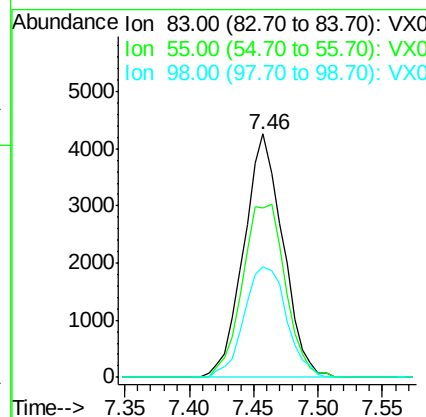
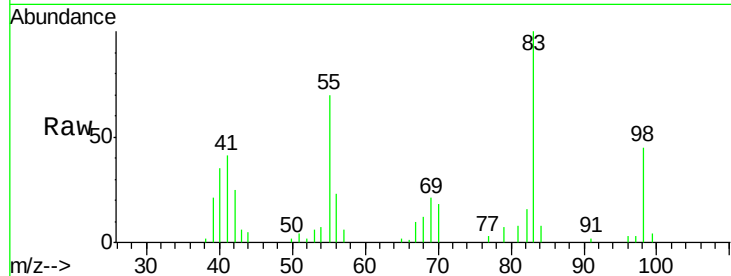
#39
Methylvlcyclohexane
Concen: 2.074 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	60.4	90.6
98	45.3	36.5	54.7

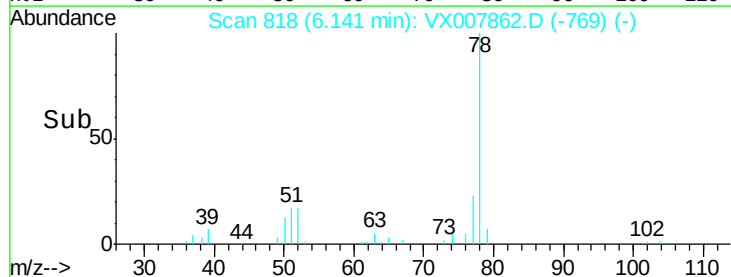
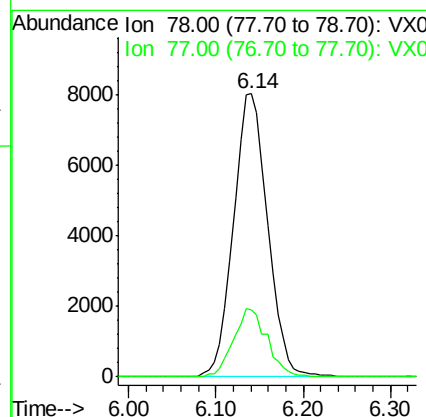
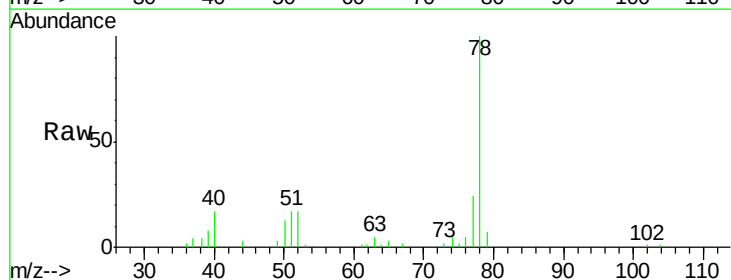
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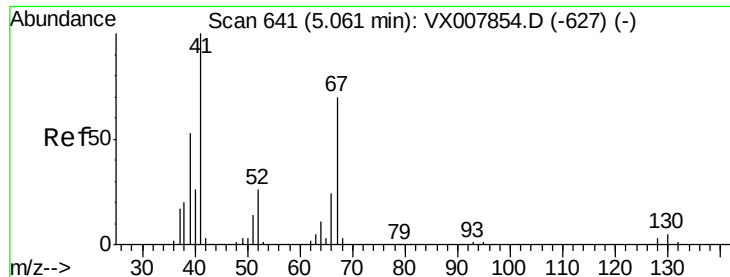
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#40
Benzene
Concen: 2.063 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





#41

Methacrylonitrile

Concen: 2.037 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

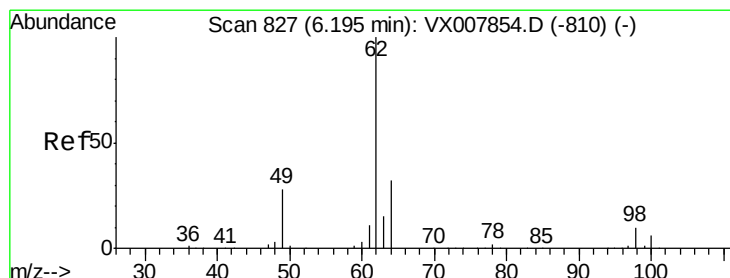
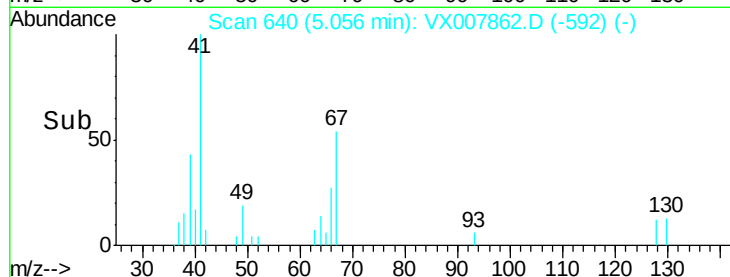
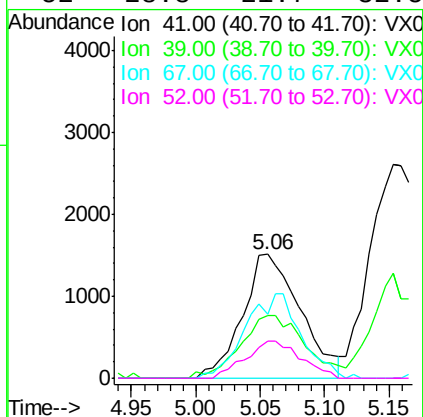
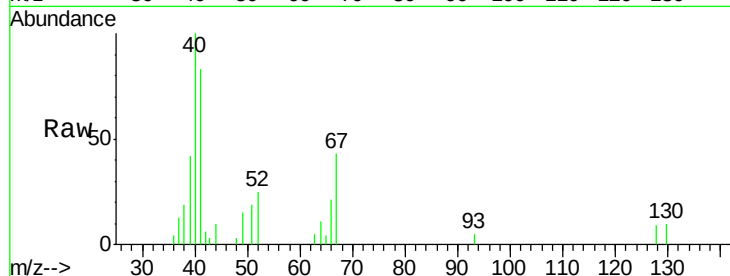
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	41	Resp:	4693
Ion	Ratio	Lower	Upper
41	100		
39	57.2	41.6	62.4
67	66.0	55.8	83.6
52	28.8	21.7	32.5

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 2.107 ug/l

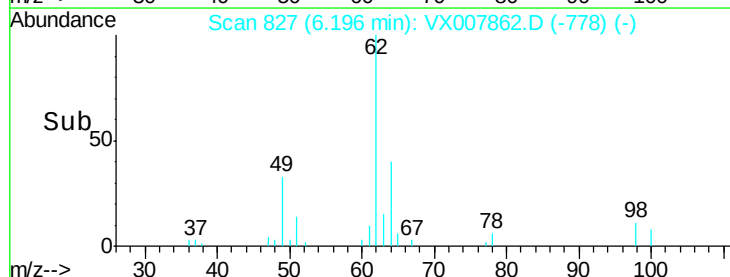
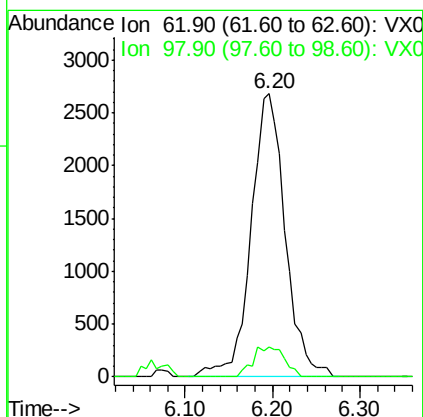
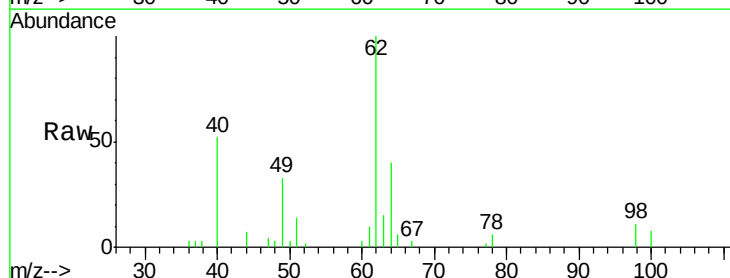
RT: 6.20 min Scan# 827

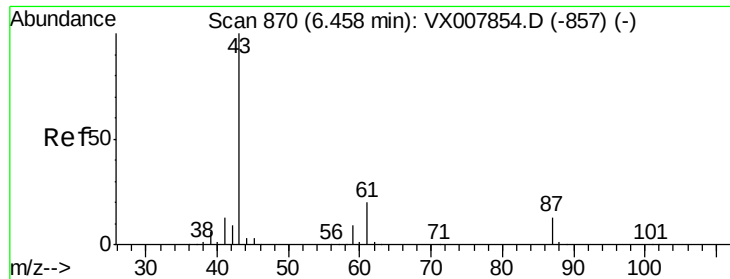
Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	62	Resp:	7306
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 1.917 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

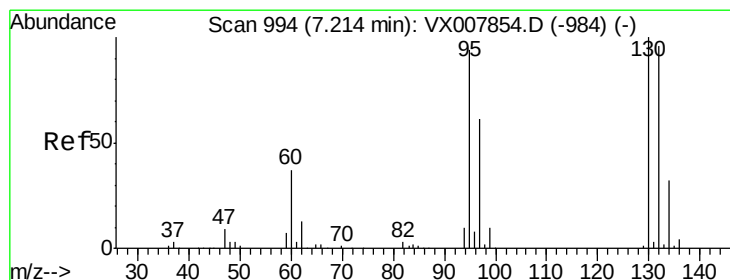
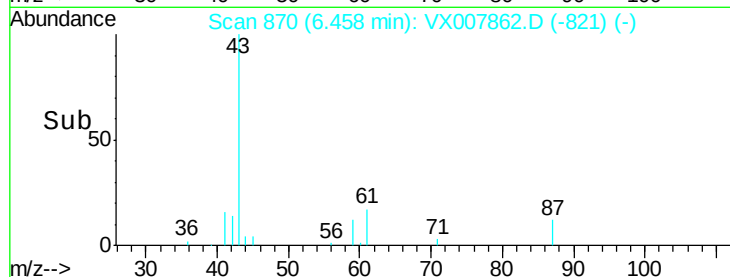
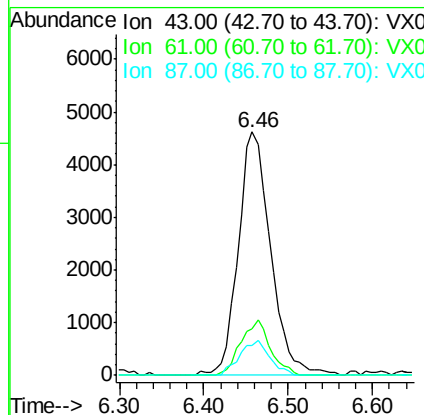
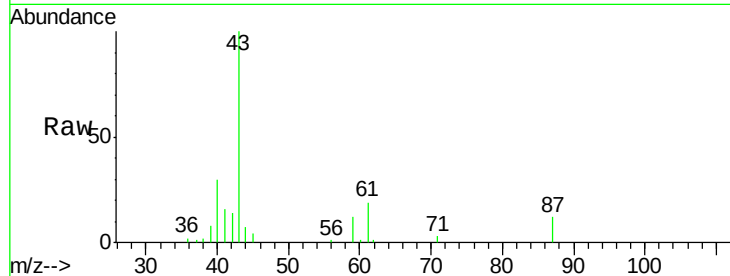
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	43	Resp:	11992
Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.3	24.5
87	13.1	10.5	15.7

Manual Integrations
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3/7/2019 10:35:29 AM



#44

Trichloroethene

Concen: 2.004 ug/l

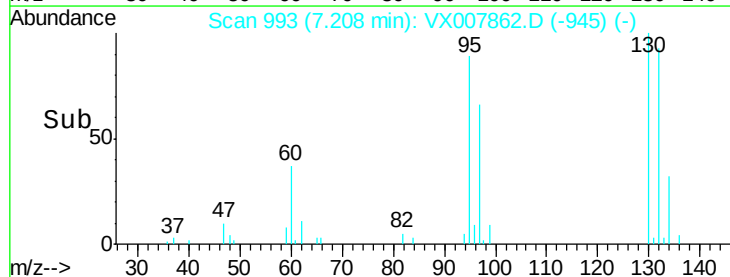
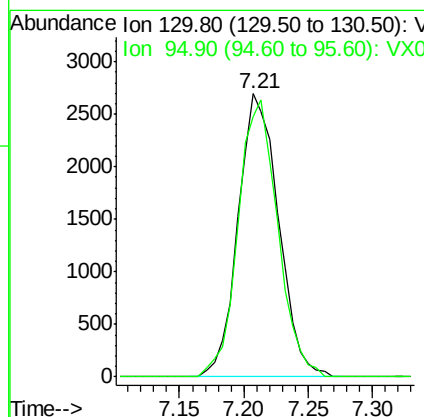
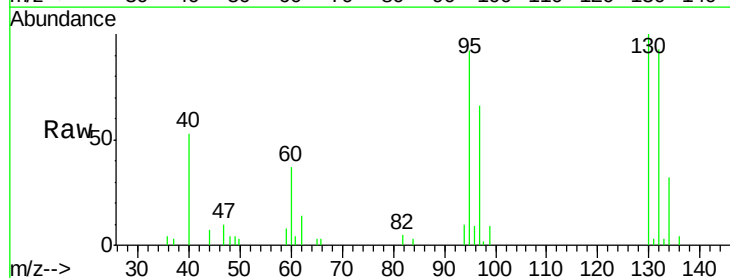
RT: 7.21 min Scan# 993

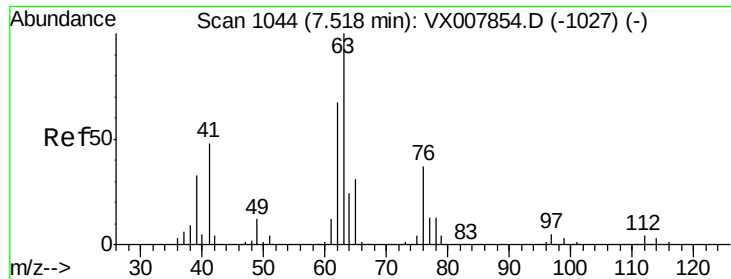
Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	130	Resp:	5856
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 2.077 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 63 Resp: 5817

Ion Ratio Lower Upper

63 100

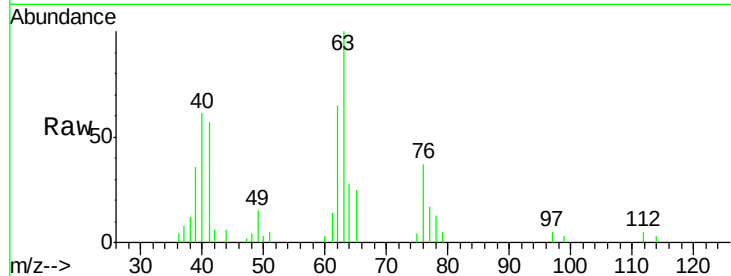
65 25.1 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

3000

2500

2000

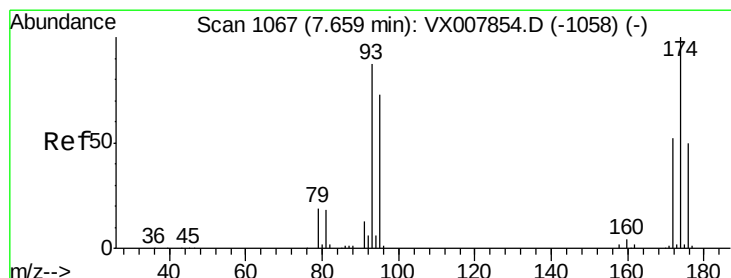
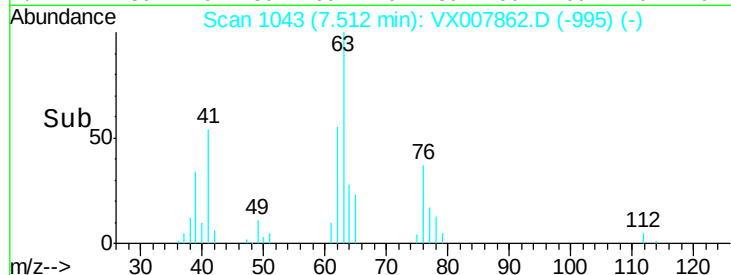
1500

1000

500

0

Time-->



#46

Dibromomethane

Concen: 1.973 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

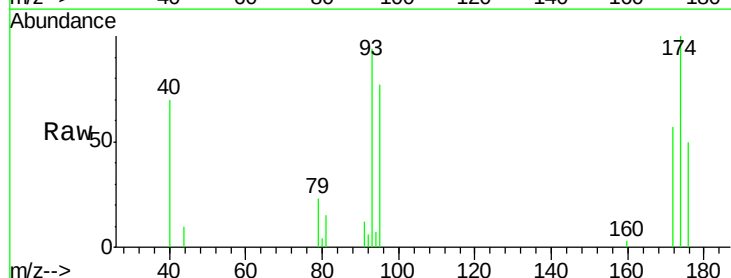
Tgt Ion: 93 Resp: 3497

Ion Ratio Lower Upper

93 100

95 88.7 66.8 100.2

174 120.0 97.3 145.9



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

2500

2000

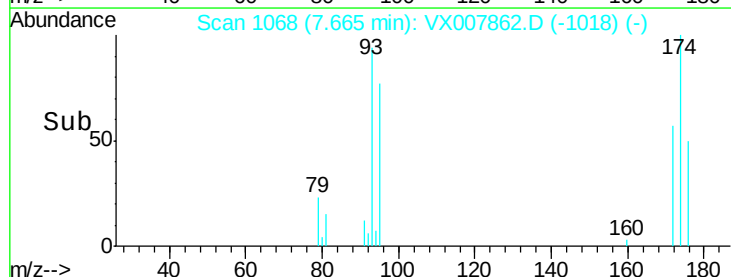
1500

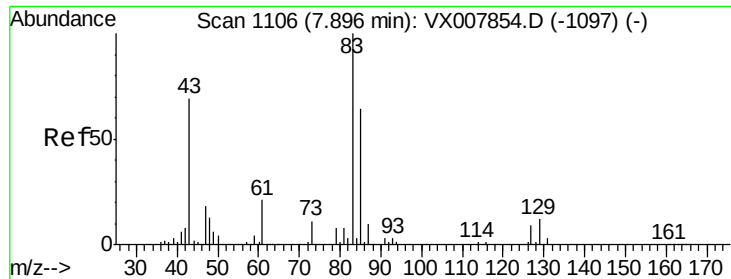
1000

500

0

Time-->





#47

Bromodichloromethane

Concen: 1.961 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

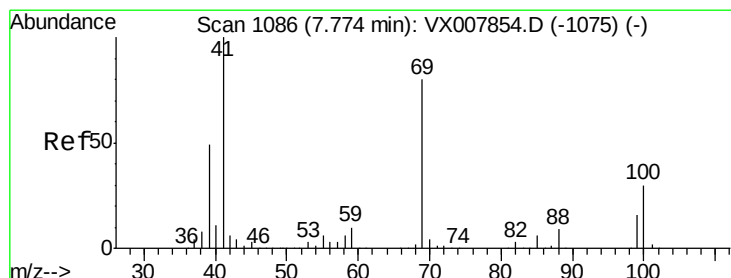
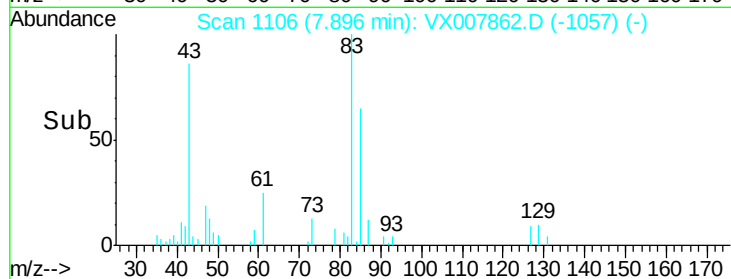
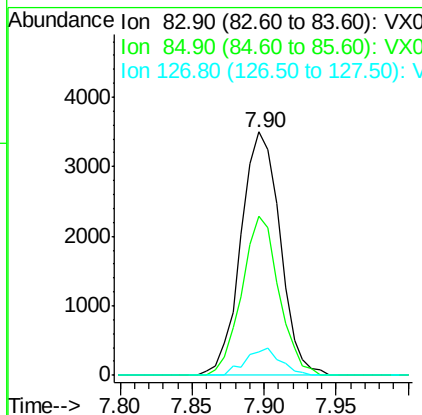
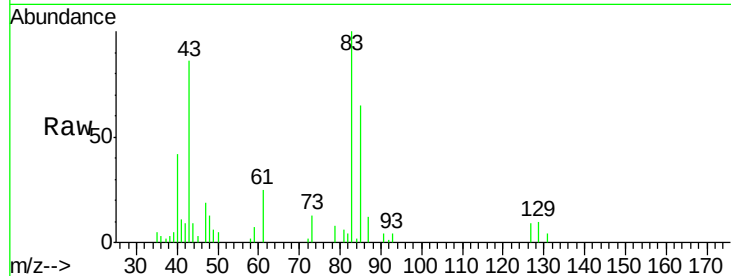
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	83	Resp:	6591
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.9	76.3
127	9.4	7.4	11.0

Manual Integrations
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3/7/2019 10:35:29 AM



#48

Methyl methacrylate

Concen: 1.858 ug/l

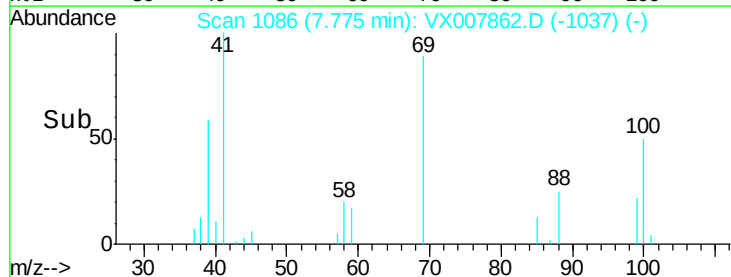
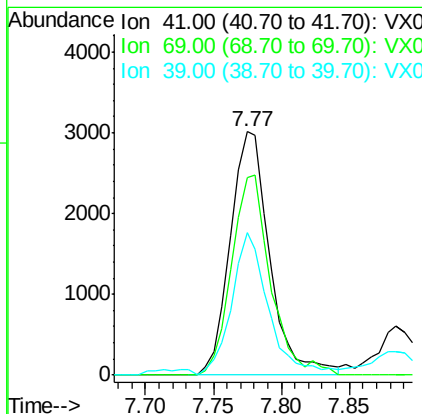
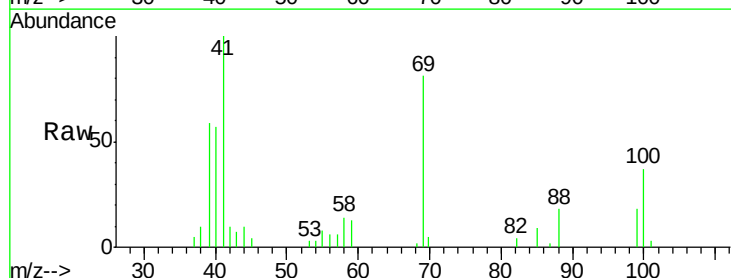
RT: 7.77 min Scan# 1086

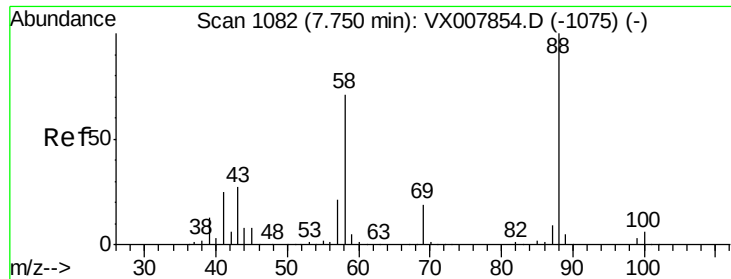
Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	41	Resp:	6110
Ion	Ratio	Lower	Upper
41	100		
69	80.8	65.2	97.8
39	54.5	39.4	59.2





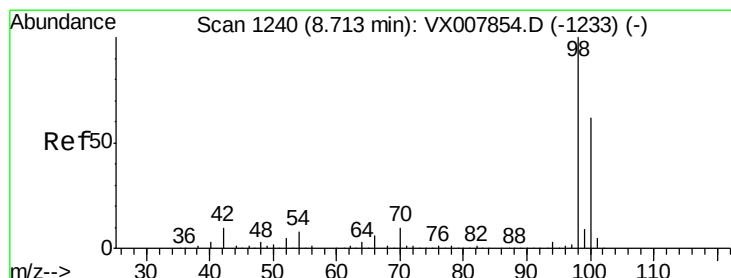
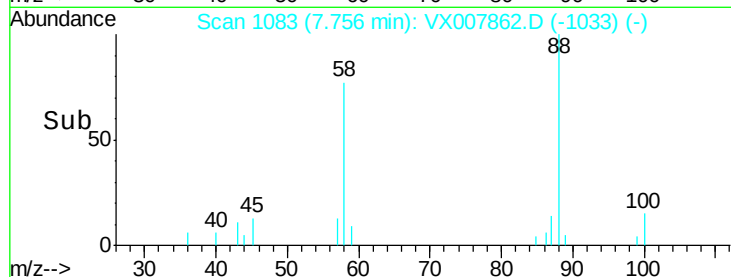
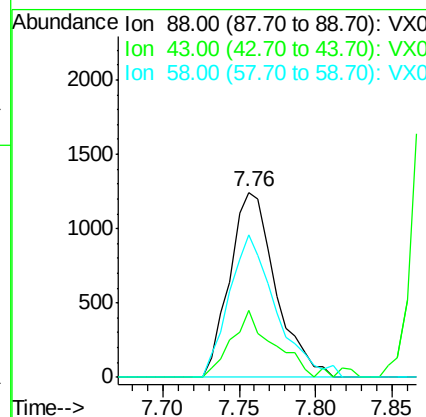
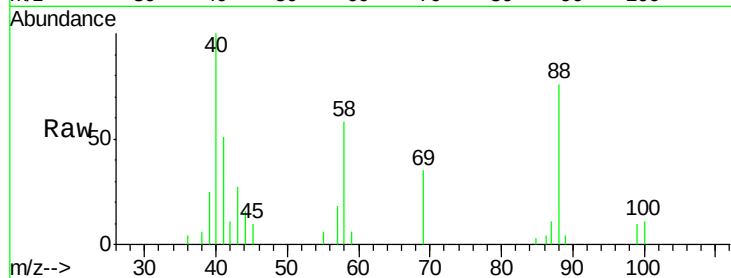
#49
1,4-Dioxane
Concen: 38.336 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.1	37.7
58	78.3	57.8	86.6

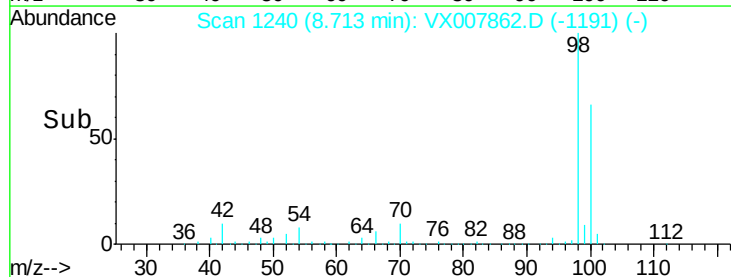
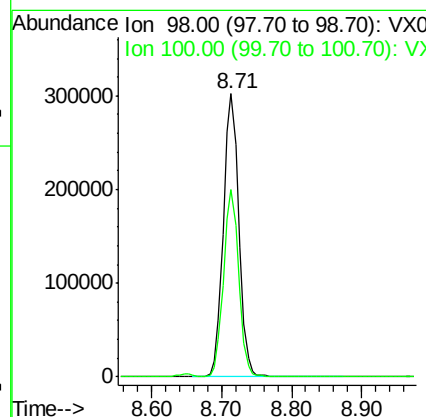
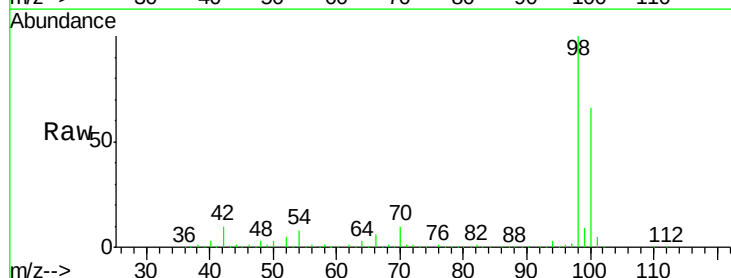
Manual Integrations
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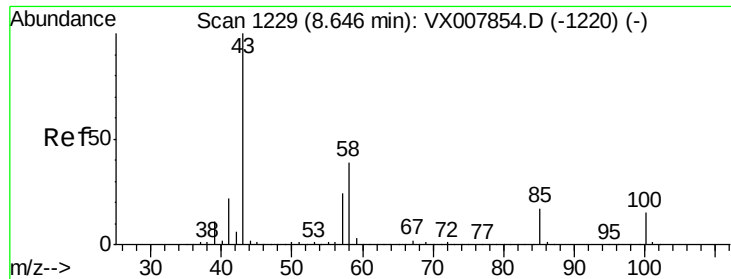
MMDadoda
3/7/2019 10:35:29 AM



#50
Toluene-d8
Concen: 50.519 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 9.466 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 38080

Ion Ratio Lower Upper

43 100

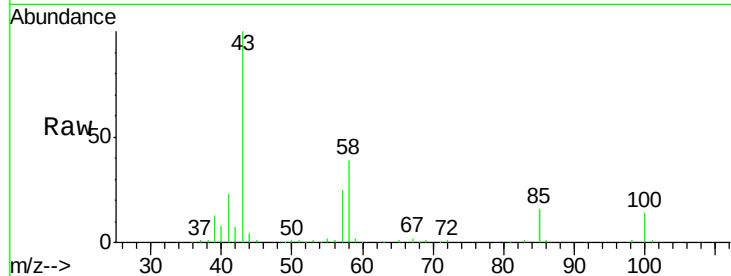
58 38.8 31.3 46.9

Manual Integrations

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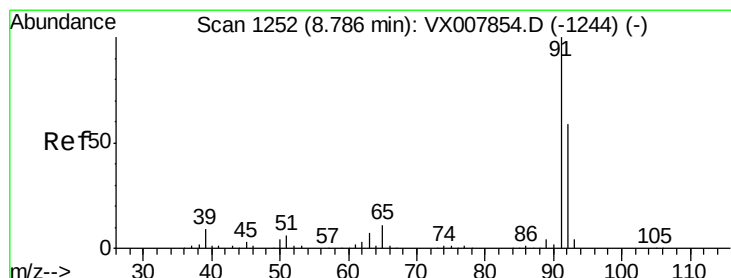
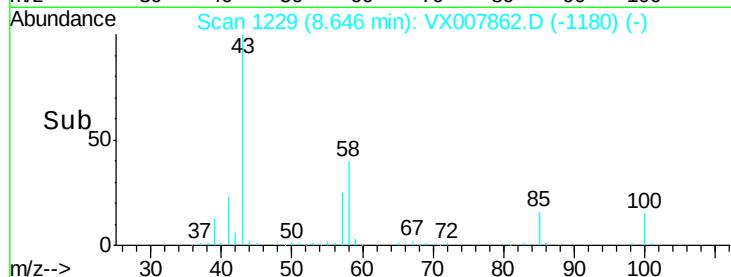
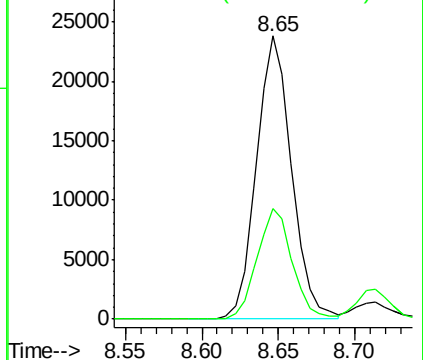
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 2.085 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007862.D

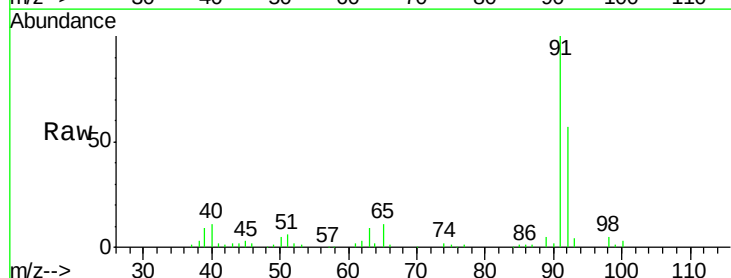
Acq: 06 Mar 2019 16:14

Tgt Ion: 92 Resp: 13496

Ion Ratio Lower Upper

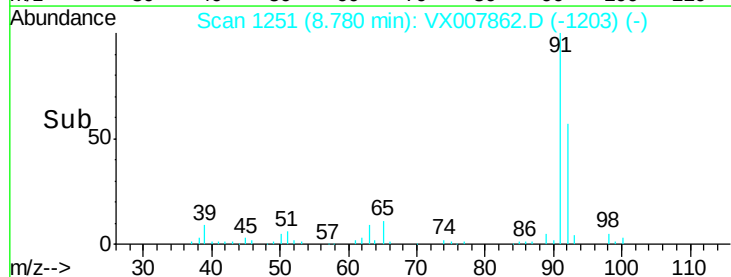
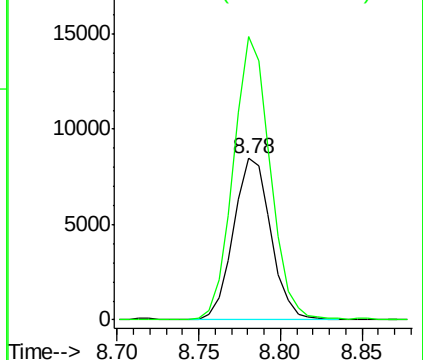
92 100

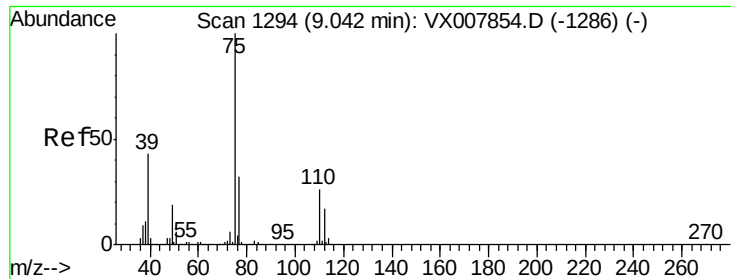
91 172.6 137.4 206.0



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: 1.653 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 75 Resp: 5798

Ion Ratio Lower Upper

75 100

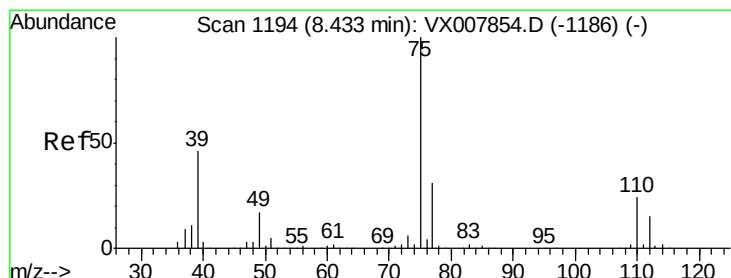
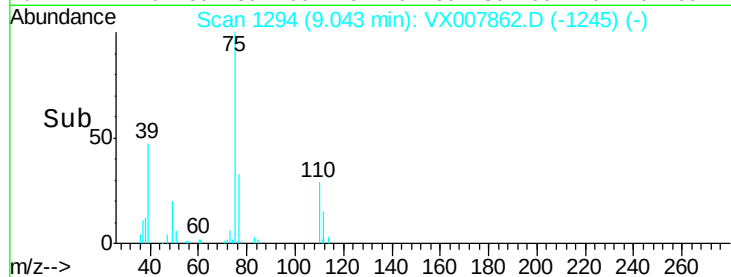
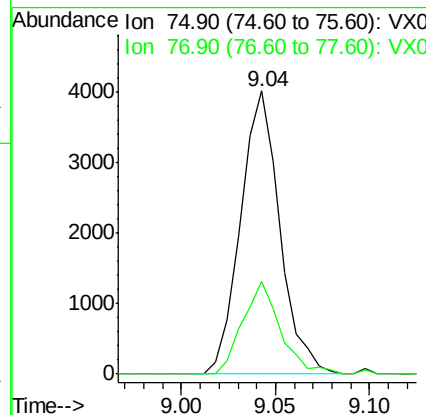
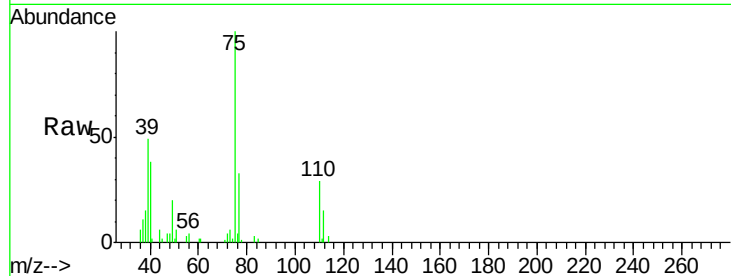
77 32.5 25.4 38.0

Manual Integrations

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3/7/2019 10:35:29 AM



#54

cis-1,3-Dichloropropene

Concen: 1.660 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

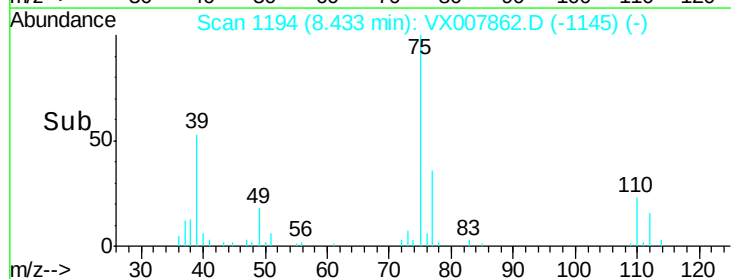
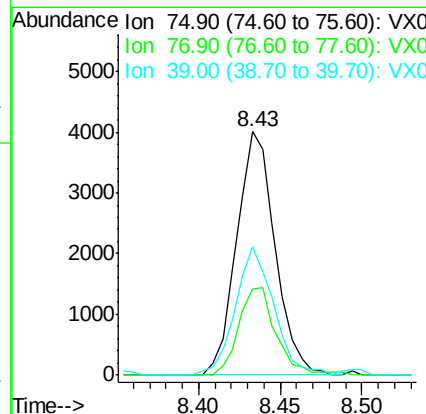
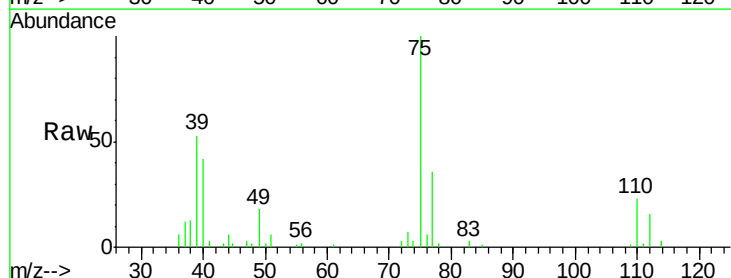
Tgt Ion: 75 Resp: 6575

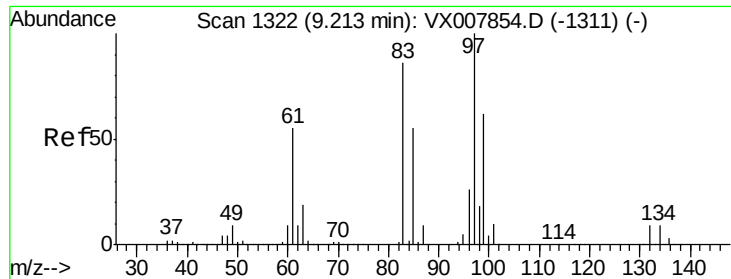
Ion Ratio Lower Upper

75 100

77 35.5 25.0 37.6

39 52.5 36.6 54.8





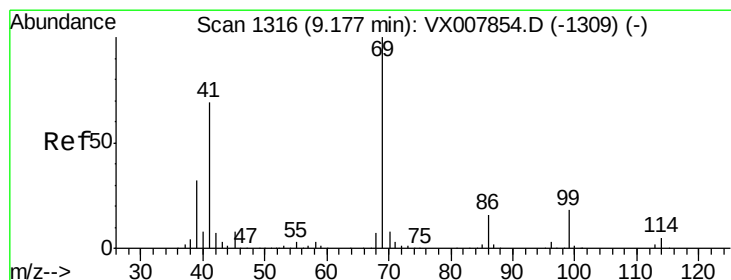
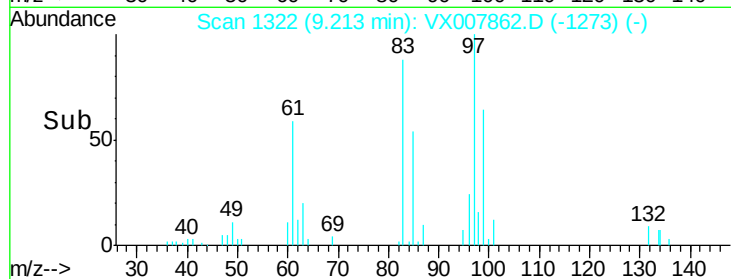
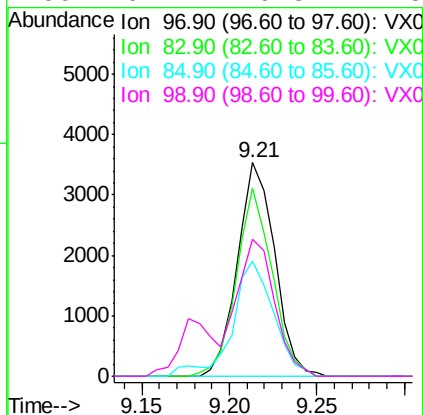
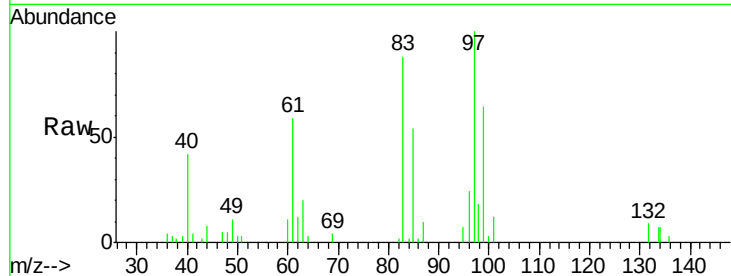
#55
 1,1,2-Trichloroethane
 Concen: 2.007 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion:	97	Resp:	5260
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.1	103.7
85	54.0	44.3	66.5
99	64.1	49.8	74.8

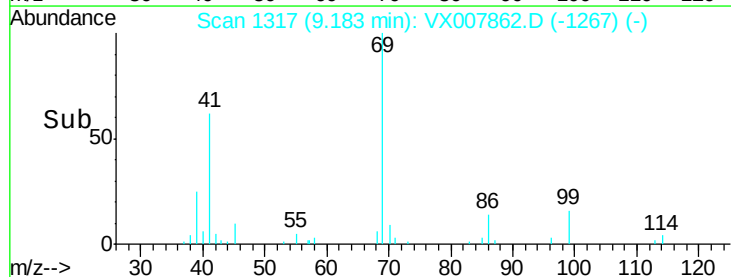
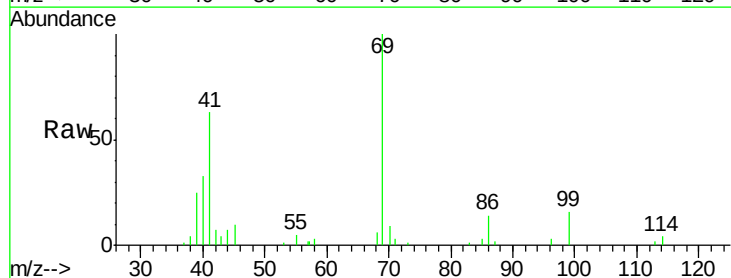
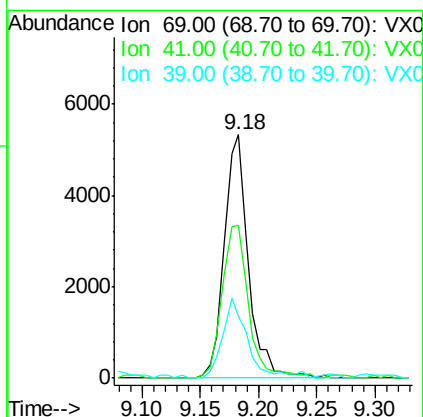
Manual Integrations
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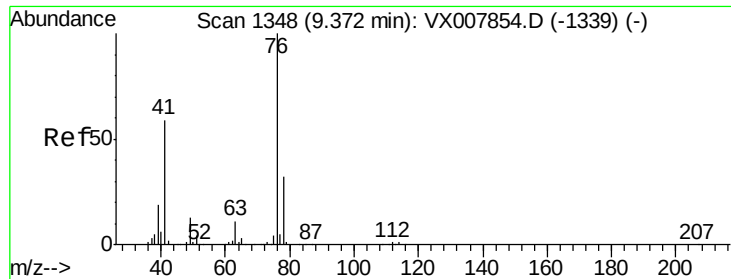
MMDadoda
 3/7/2019 10:35:29 AM



#56
 Ethyl methacrylate
 Concen: 1.949 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion:	69	Resp:	7668
Ion	Ratio	Lower	Upper
69	100		
41	69.2	54.2	81.4
39	34.2	25.0	37.4





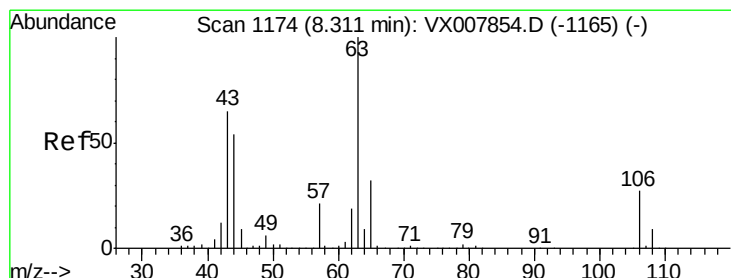
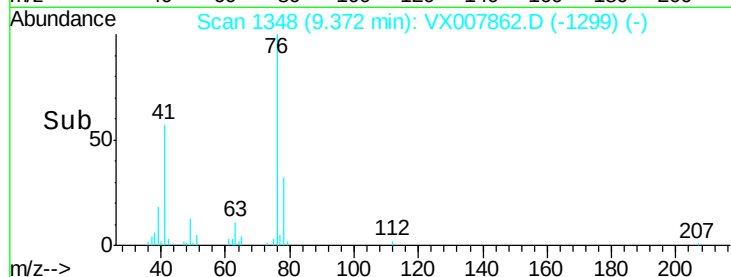
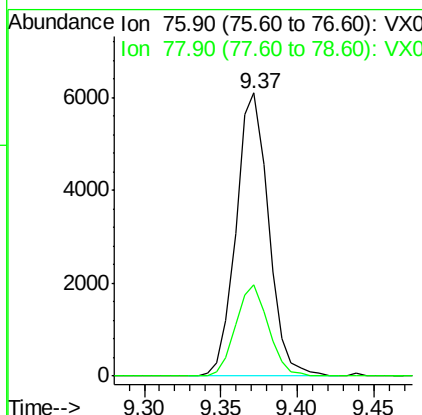
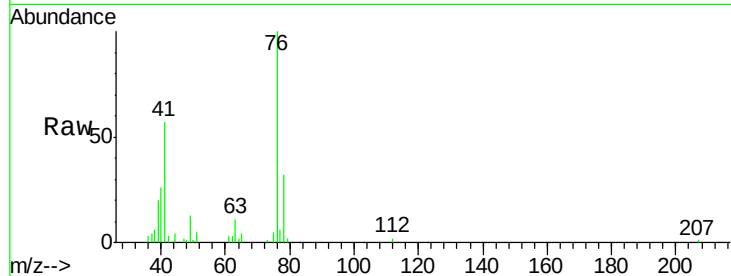
#57
 1,3-Dichloropropane
 Concen: 2.044 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

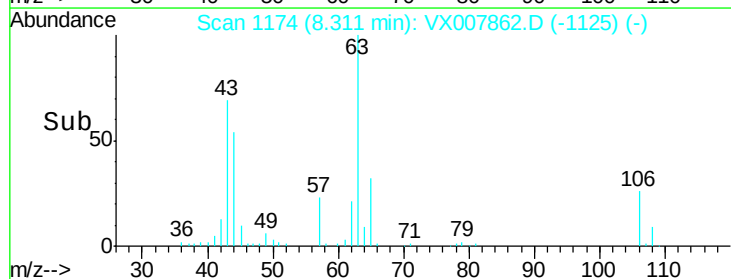
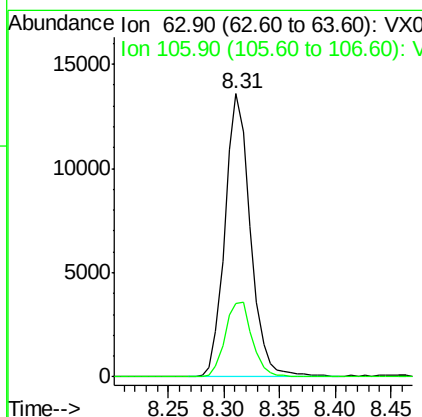
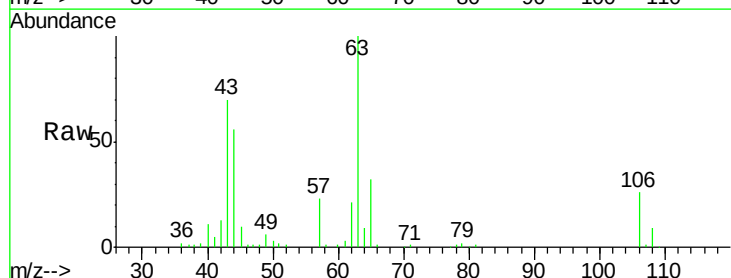
Manual Integrations
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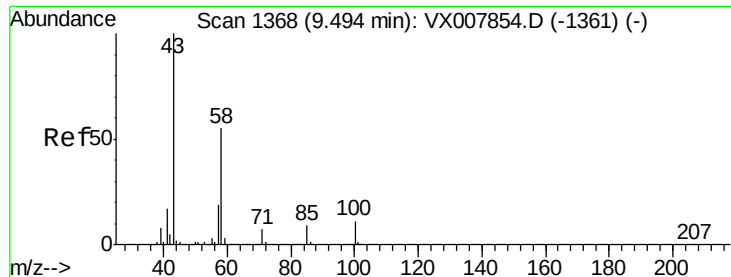
MMDadoda
 3/7/2019 10:35:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.552 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.2	33.2





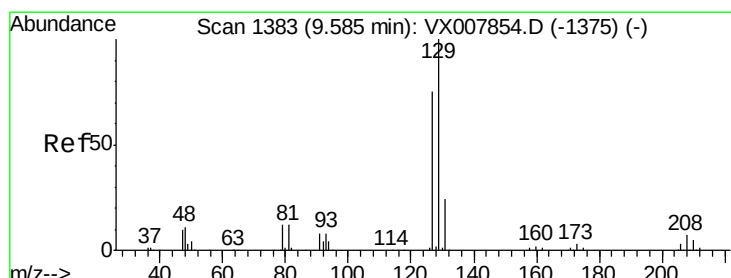
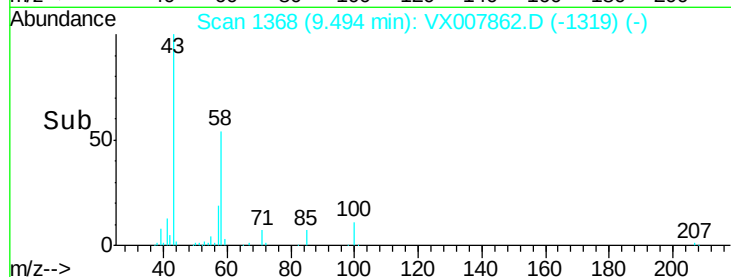
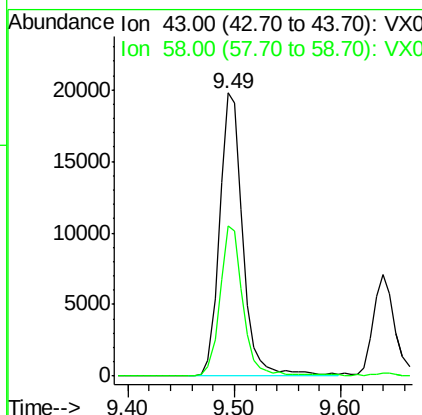
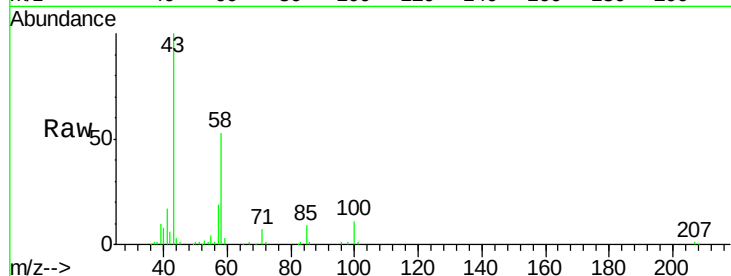
#59
2-Hexanone
Concen: 9.659 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 30167
Ion Ratio Lower Upper
43 100
58 52.7 27.6 82.7

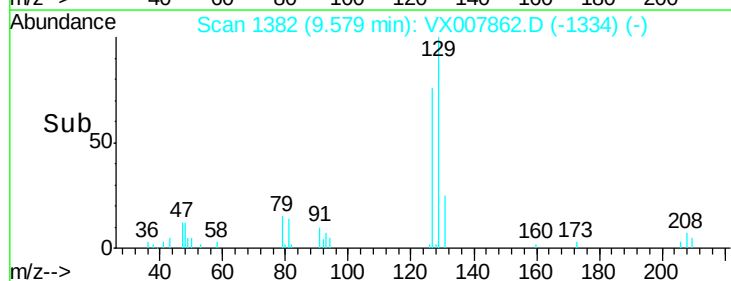
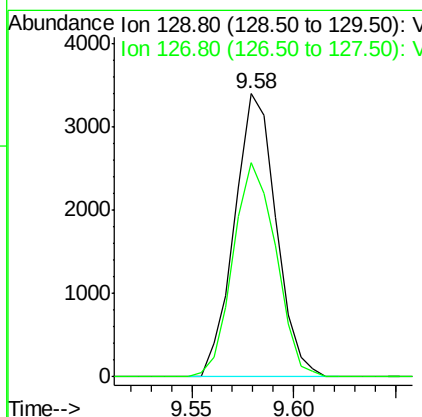
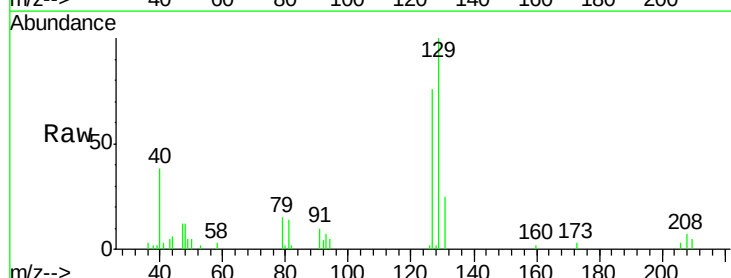
Manual Integrations
APPROVED

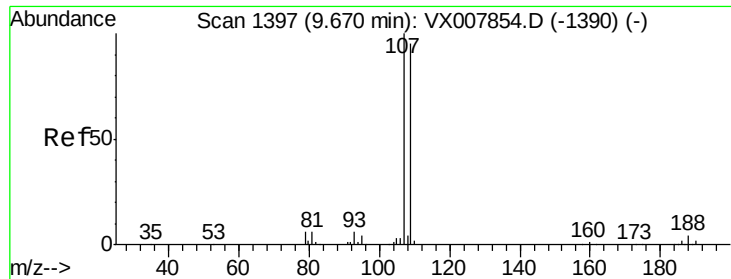
MMDadoda
3/7/2019 10:35:29 AM



#60
Dibromochloromethane
Concen: 1.758 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion: 129 Resp: 4815
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 1.958 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:107 Resp: 5447

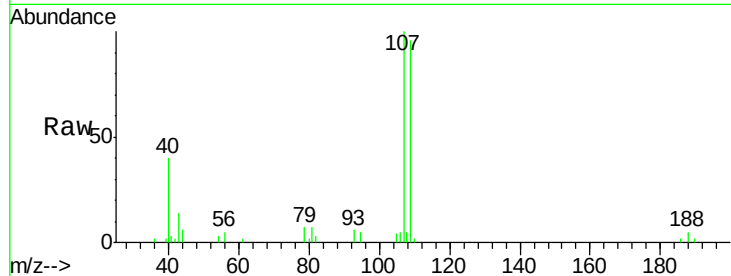
Ion Ratio Lower Upper

107 100

109 95.9 75.8 113.8

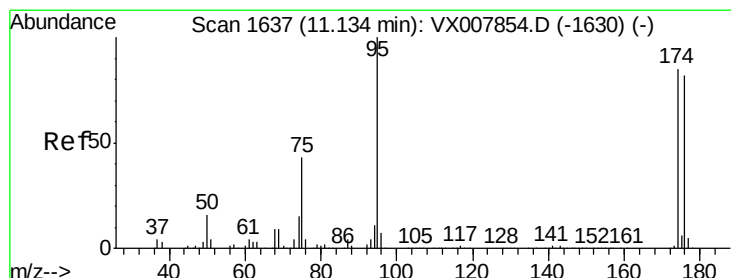
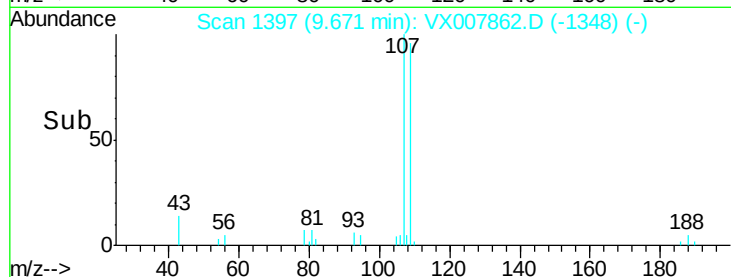
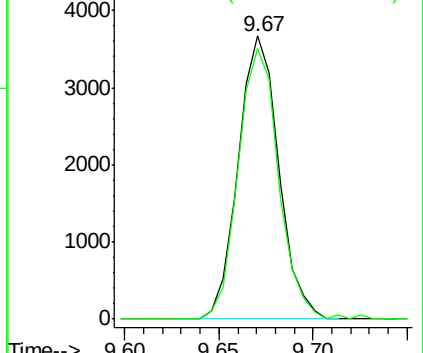
Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:29 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.201 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

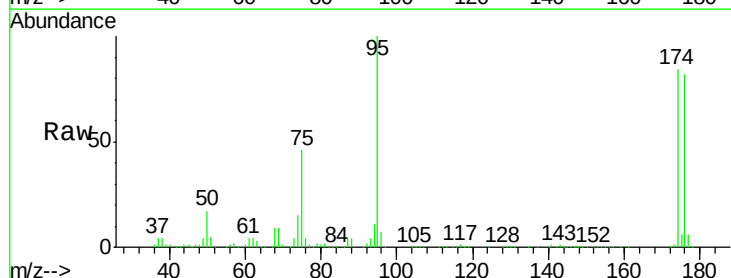
Tgt Ion: 95 Resp: 162645

Ion Ratio Lower Upper

95 100

174 90.0 0.0 182.8

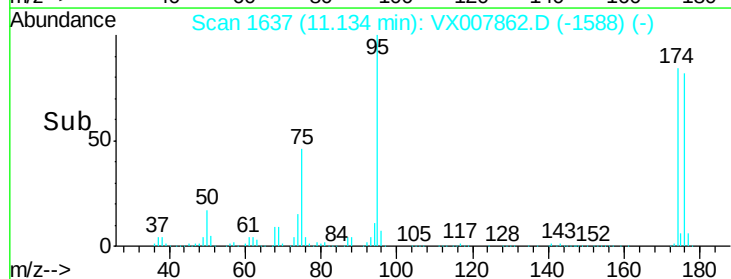
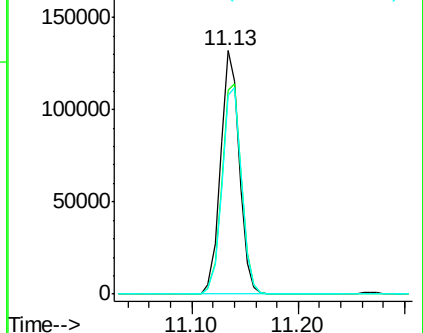
176 88.2 0.0 178.0

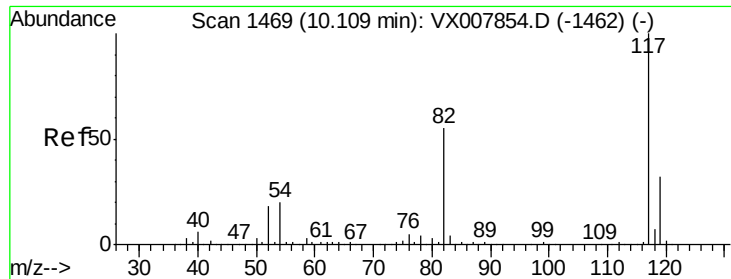


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





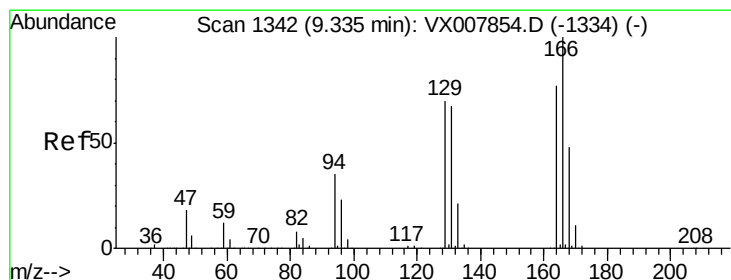
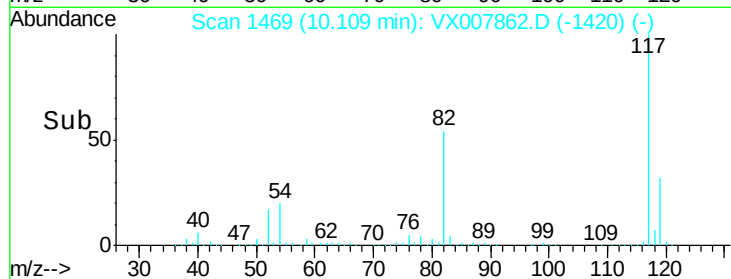
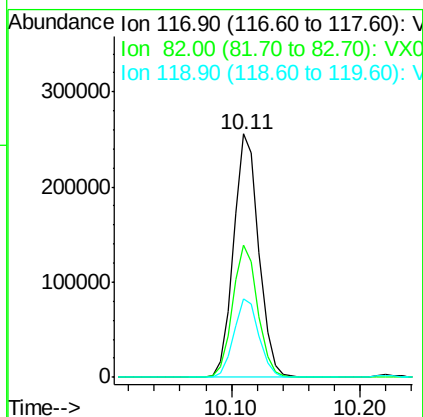
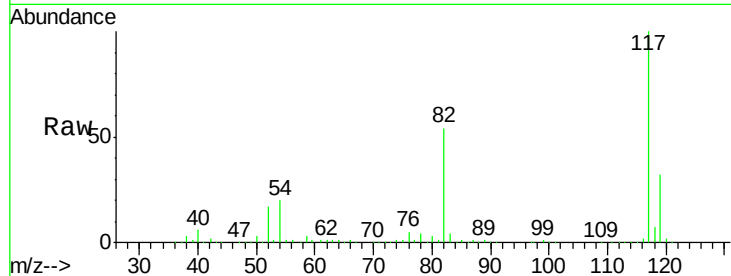
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.3	66.5
119	32.0	25.3	37.9

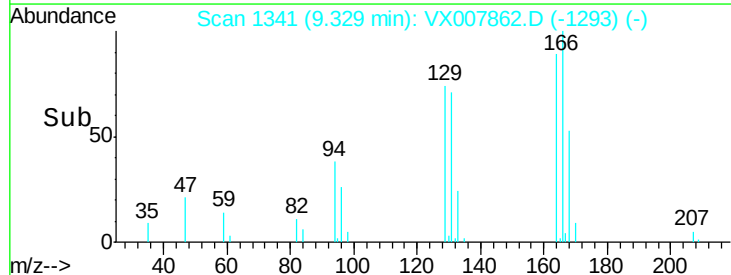
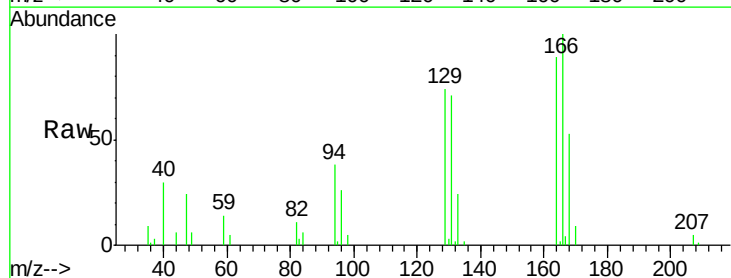
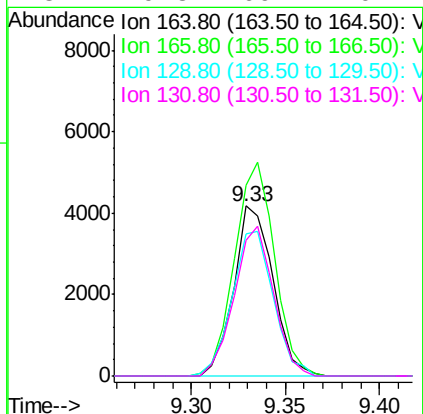
Manual Integrations
APPROVED

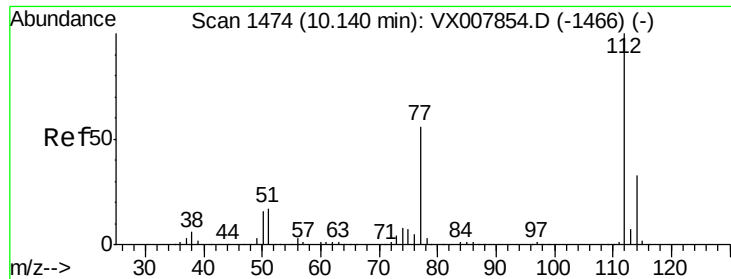
MMDadoda
3/7/2019 10:35:29 AM



#64
Tetrachloroethene
Concen: 2.097 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.3	103.4	155.0
129	83.4	72.2	108.4
131	79.8	69.4	104.2





#65

Chlorobenzene

Concen: 2.066 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:112 Resp: 15029

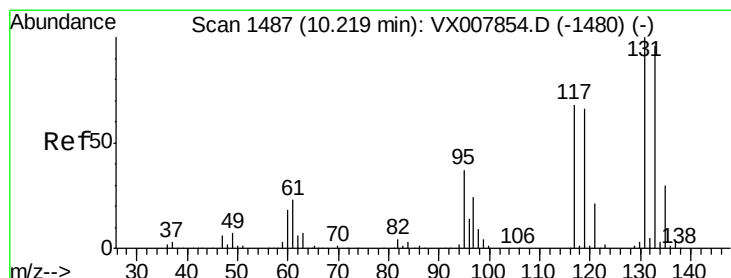
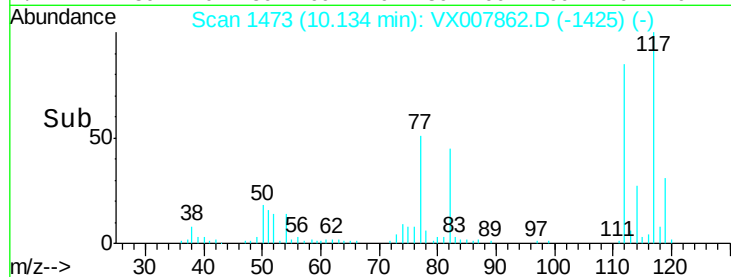
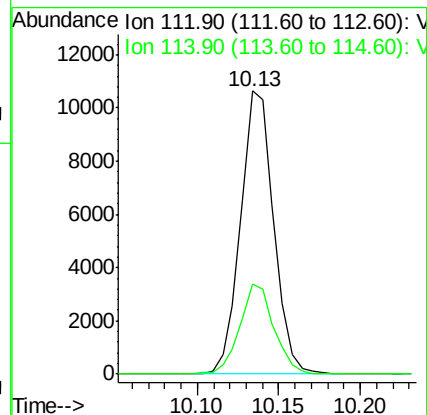
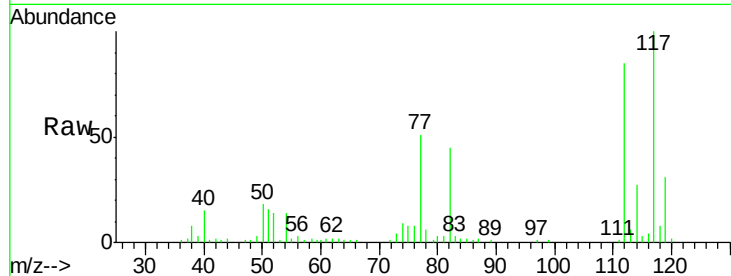
Ion Ratio Lower Upper

112 100

114 31.7 26.0 39.0

Manual Integrations
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MMDadoda
3/7/2019 10:35:29 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 1.773 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

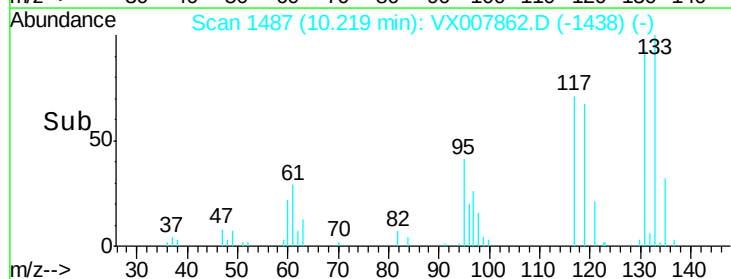
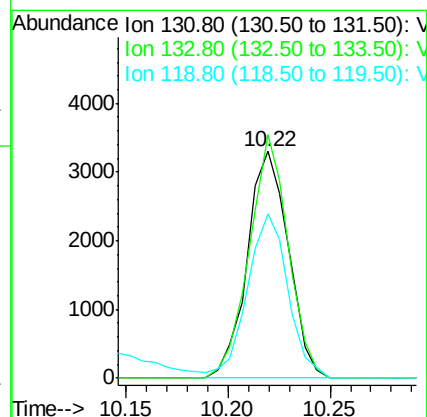
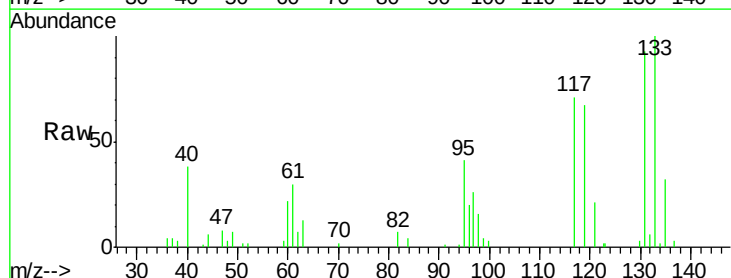
Tgt Ion:131 Resp: 4623

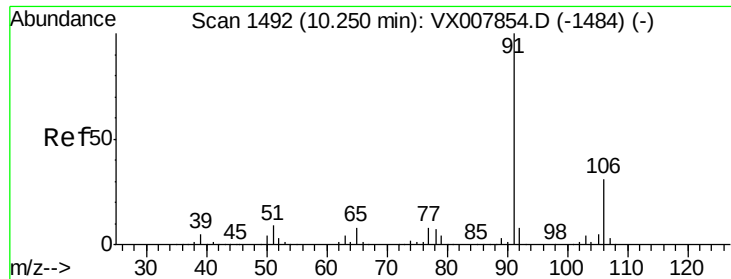
Ion Ratio Lower Upper

131 100

133 101.8 47.8 143.3

119 0.0 32.5 97.5#





#67

Ethyl Benzene

Concen: 2.046 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 91 Resp: 24500

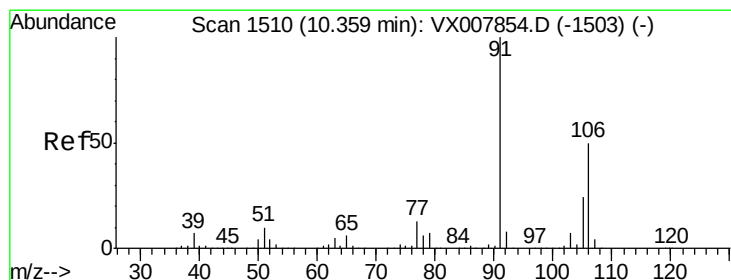
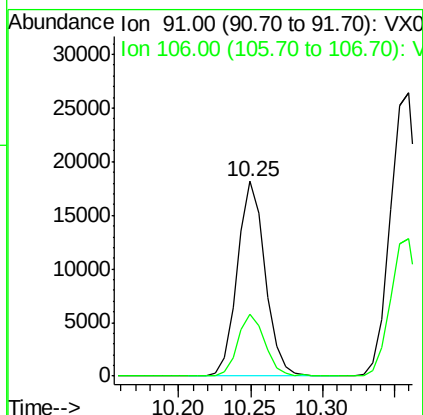
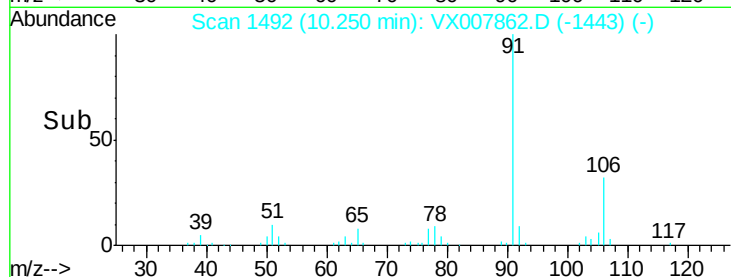
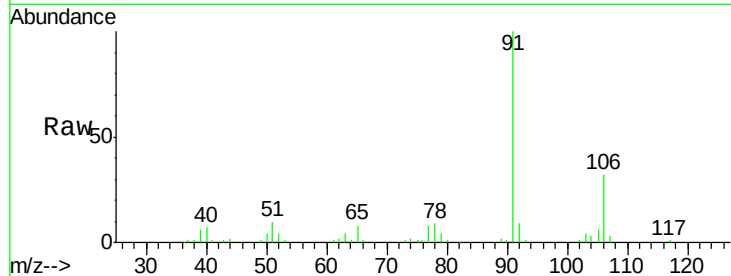
Ion Ratio Lower Upper

91 100

106 32.0 25.2 37.8

Manual Integrations
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3/7/2019 10:35:29 AM



#68

m/p-Xylenes

Concen: 3.896 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007862.D

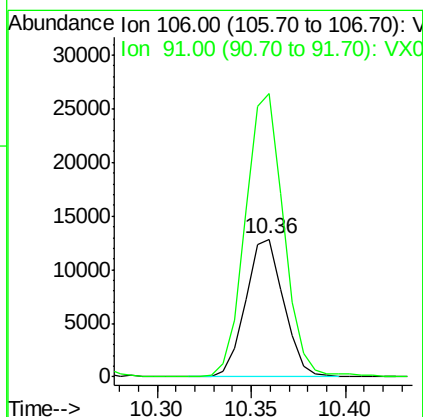
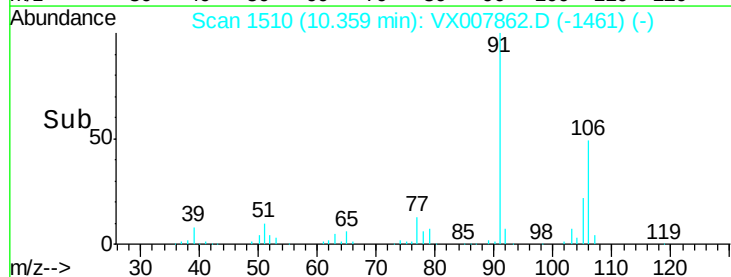
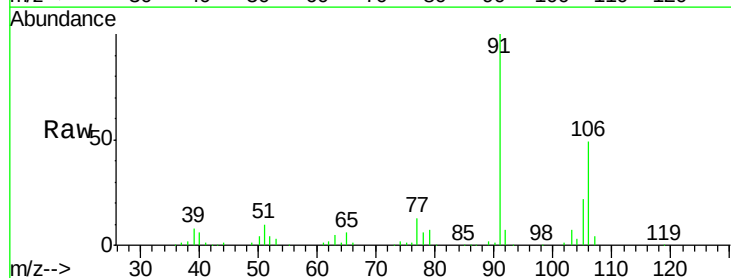
Acq: 06 Mar 2019 16:14

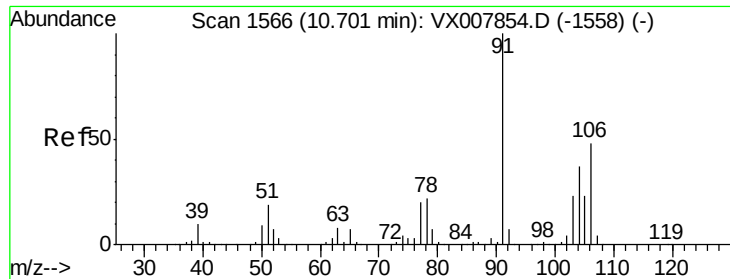
Tgt Ion: 106 Resp: 17982

Ion Ratio Lower Upper

106 100

91 206.5 159.8 239.6





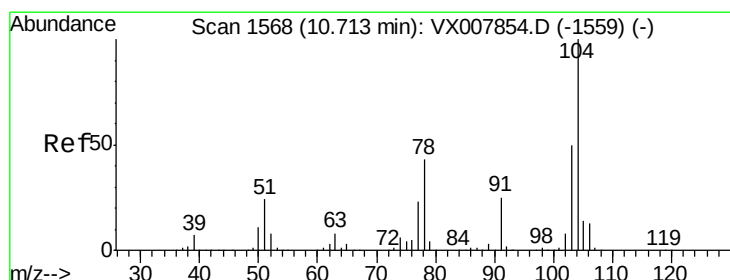
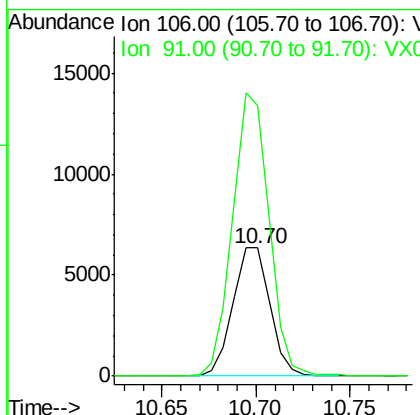
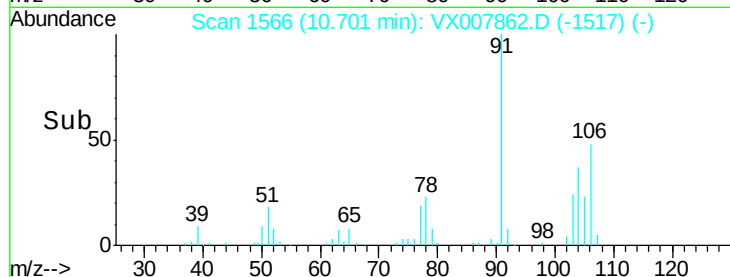
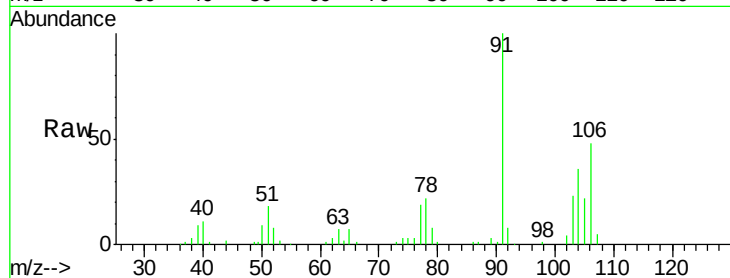
#69
o-Xylene
Concen: 1.954 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion:106 Resp: 8705
Ion Ratio Lower Upper
106 100
91 216.7 106.3 318.9

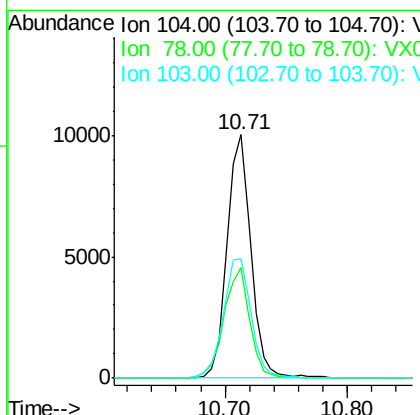
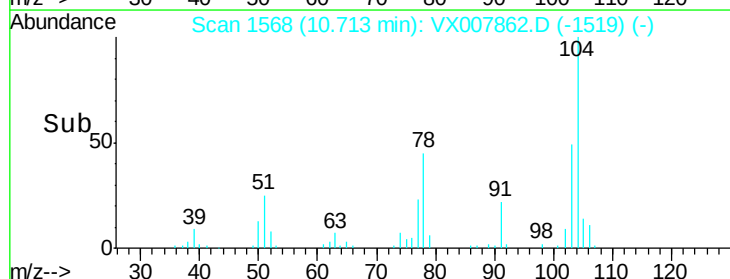
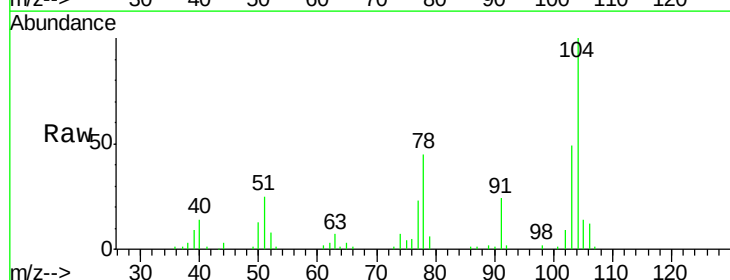
Manual Integrations
APPROVED

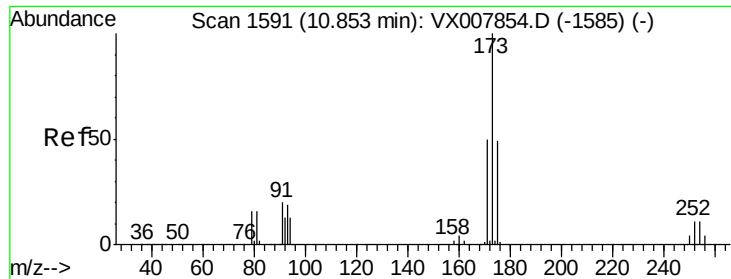
MMDadoda
3/7/2019 10:35:29 AM



#70
Styrene
Concen: 1.857 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion:104 Resp: 13542
Ion Ratio Lower Upper
104 100
78 49.2 38.5 57.7
103 56.8 44.1 66.1





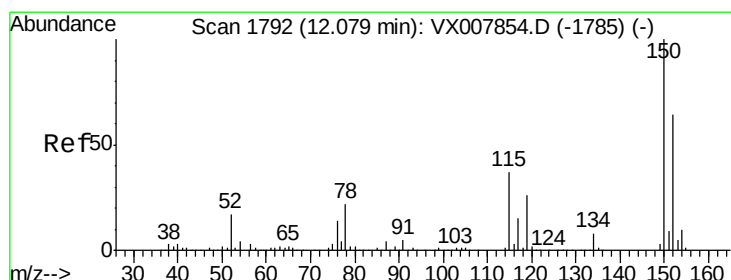
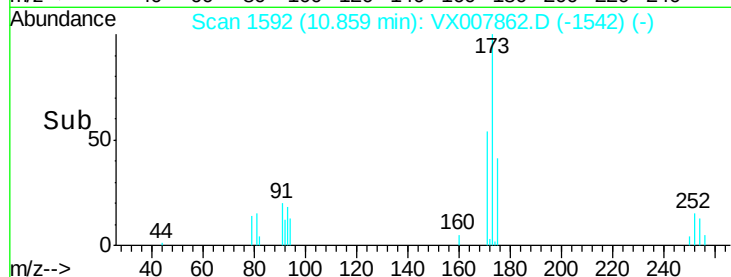
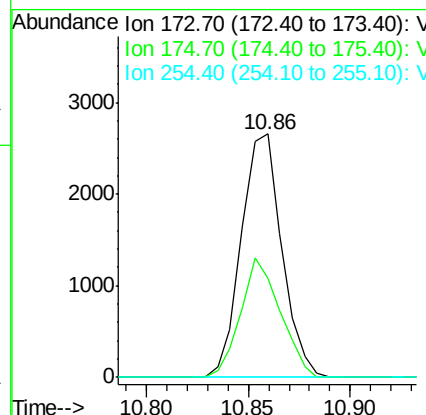
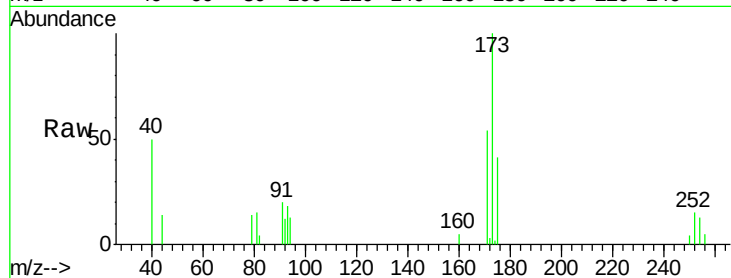
#71
Bromoform
Concen: 1.638 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.9
254	0.0	0.1	0.1#

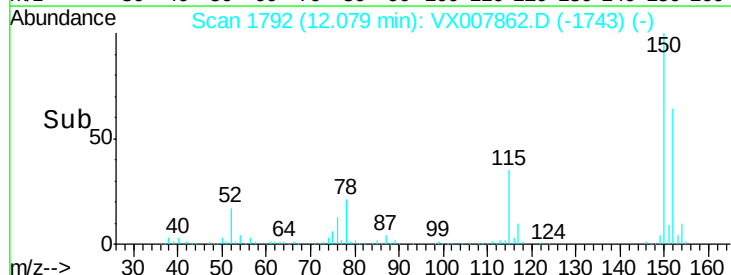
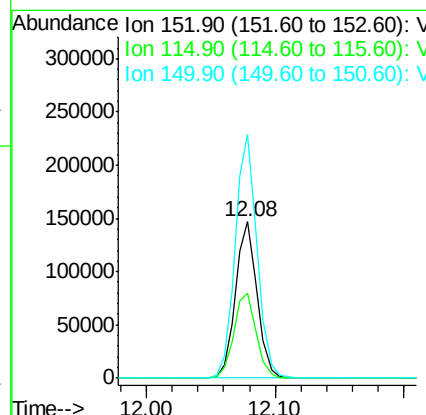
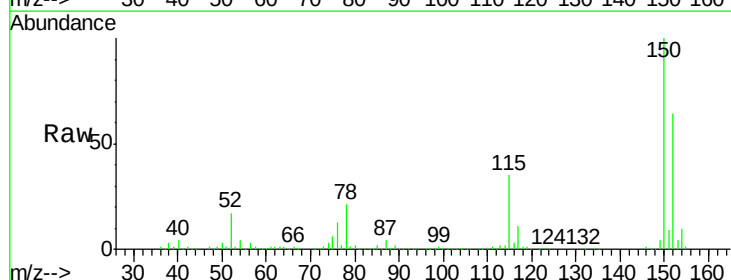
Manual Integrations
APPROVED

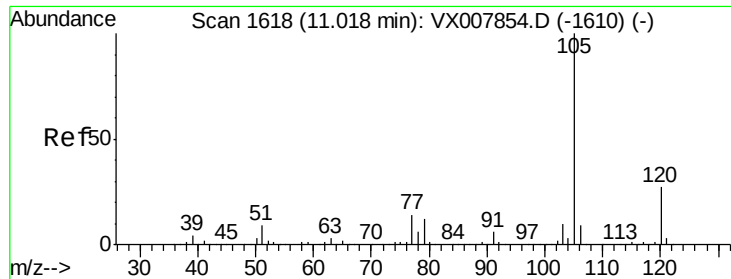
MMDadoda
3/7/2019 10:35:29 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	38.6	115.7
150	157.2	0.0	348.4





#73

Isopropylbenzene

Concen: 2.003 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 105 Resp: 23393

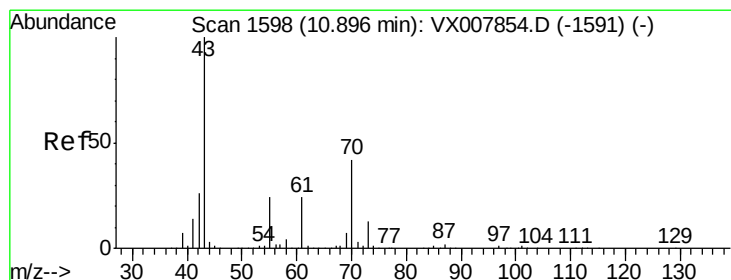
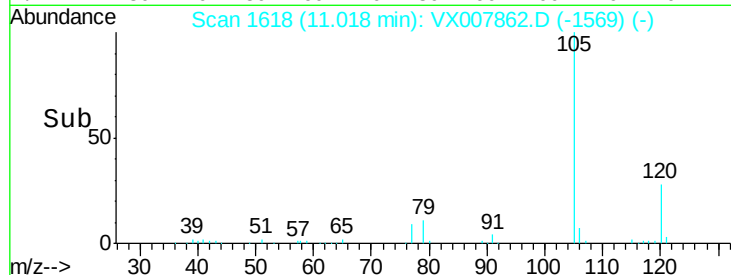
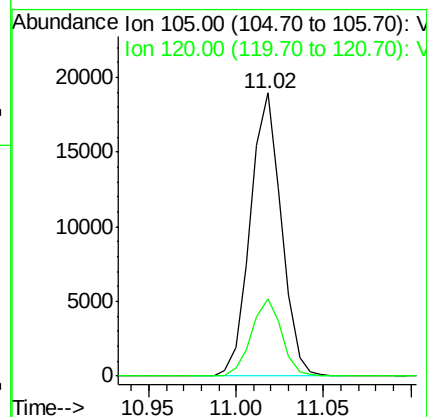
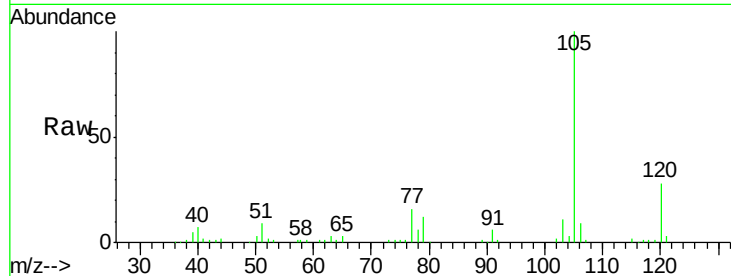
Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:29 AM



#74

N-ethyl acetate

Concen: 1.791 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion: 43 Resp: 9547

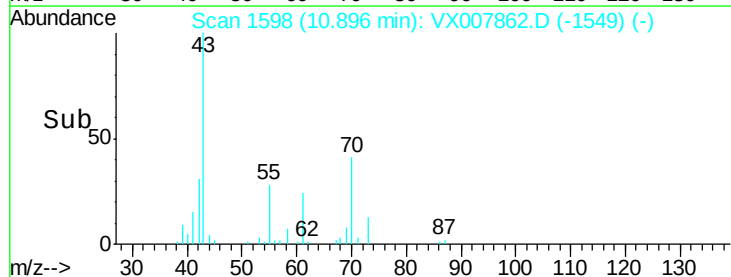
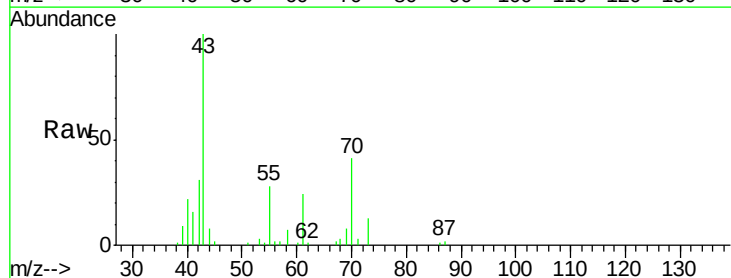
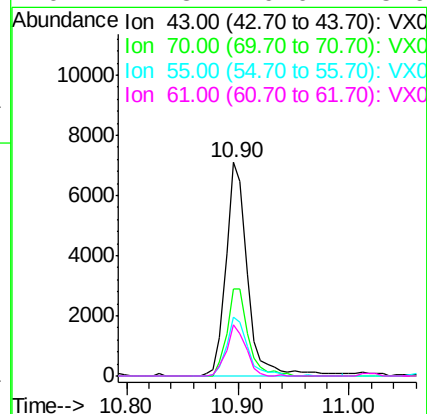
Ion Ratio Lower Upper

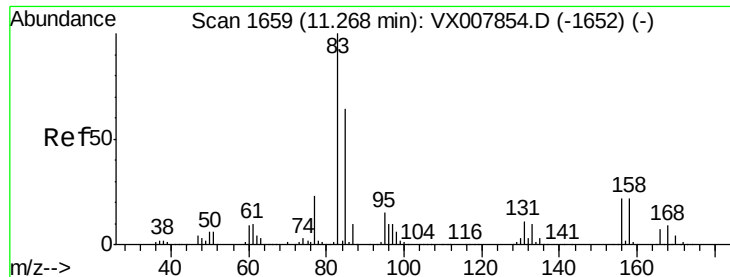
43 100

70 40.2 33.5 50.3

55 26.7 19.2 28.8

61 21.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 2.022 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

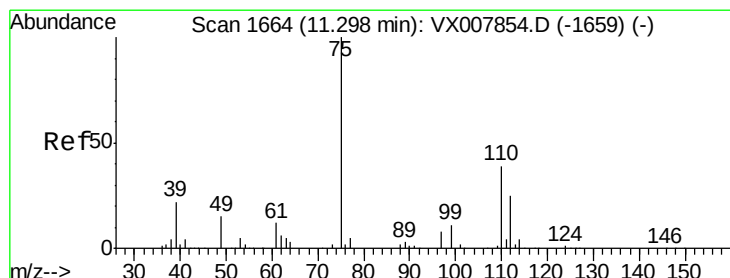
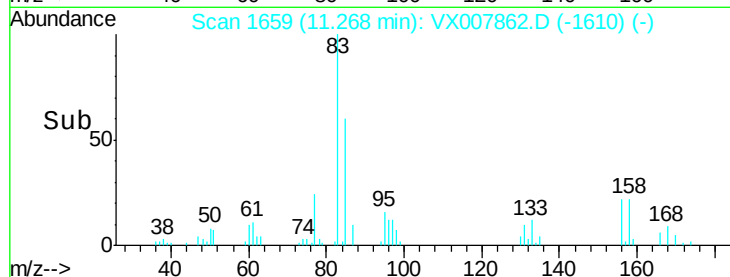
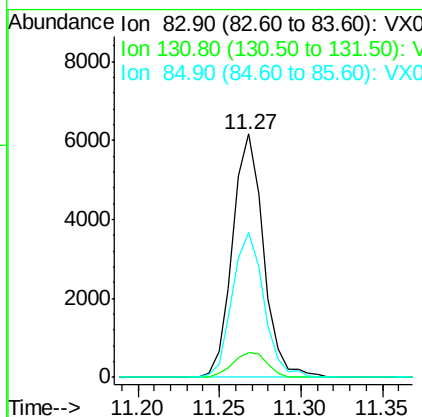
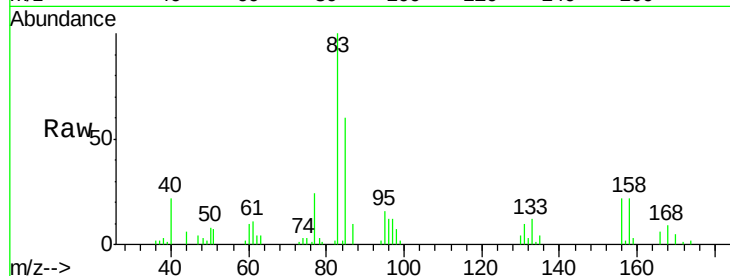
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	83	Resp:	8144
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.4	16.2
85	60.9	32.3	96.8

Manual Integrations
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MMDadoda
3/7/2019 10:35:29 AM



#76

1,2,3-Trichloropropane

Concen: 2.048 ug/l m

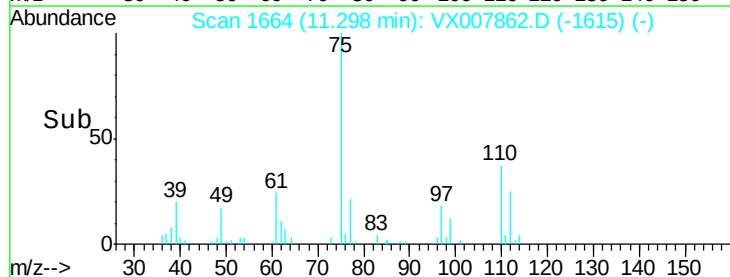
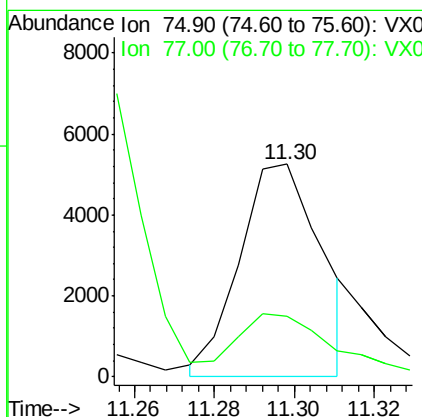
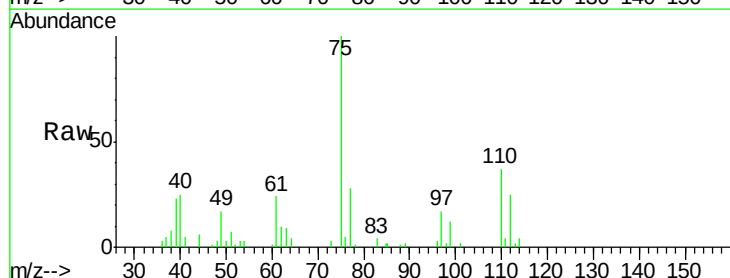
RT: 11.30 min Scan# 1664

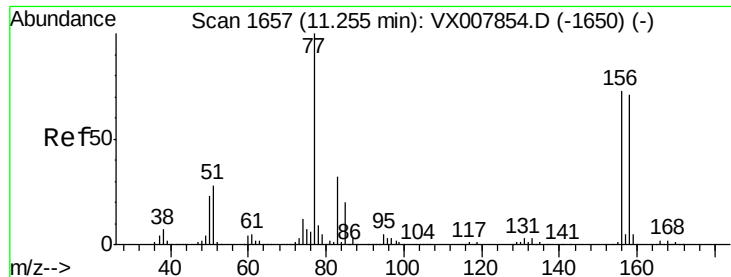
Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	75	Resp:	7420
Ion	Ratio	Lower	Upper
75	100		
77	34.3	18.9	56.7





#77

Bromobenzene

Concen: 2.023 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:156 Resp: 6477

Ion Ratio Lower Upper

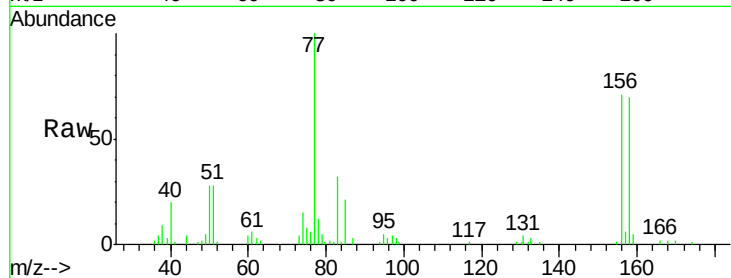
156 100

77 147.4 72.0 215.9

158 99.7 48.6 145.9

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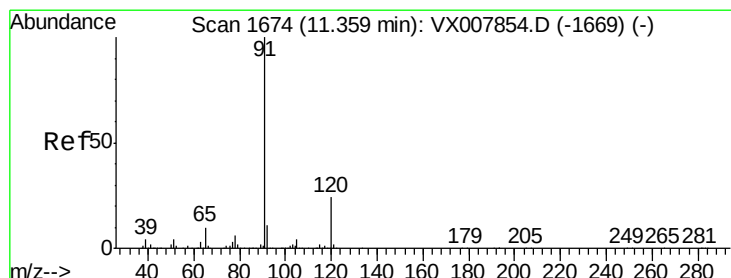
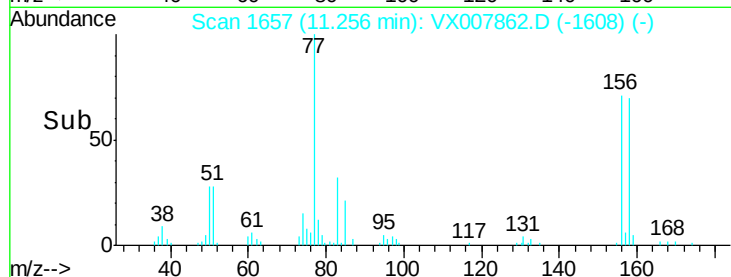
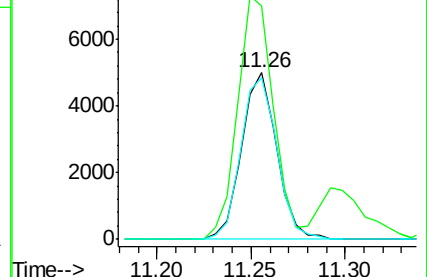
MMDadoda
3/7/2019 10:35:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.994 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007862.D

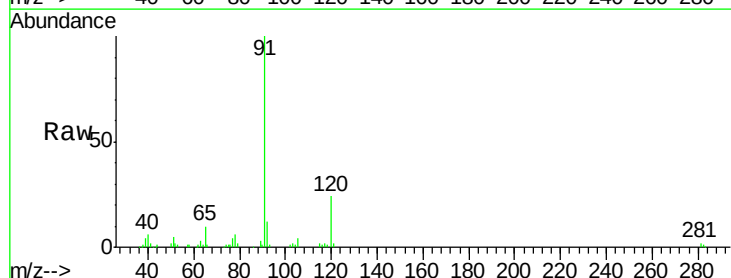
Acq: 06 Mar 2019 16:14

Tgt Ion: 91 Resp: 25835

Ion Ratio Lower Upper

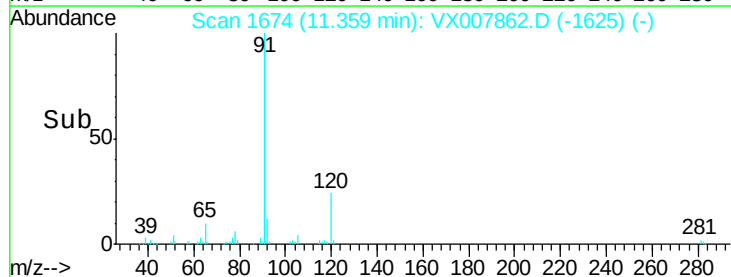
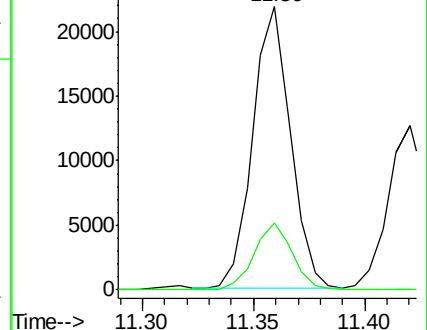
91 100

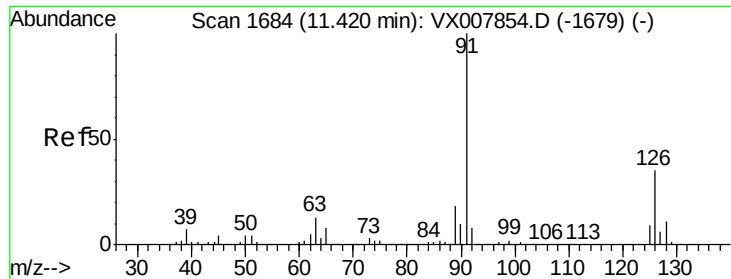
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





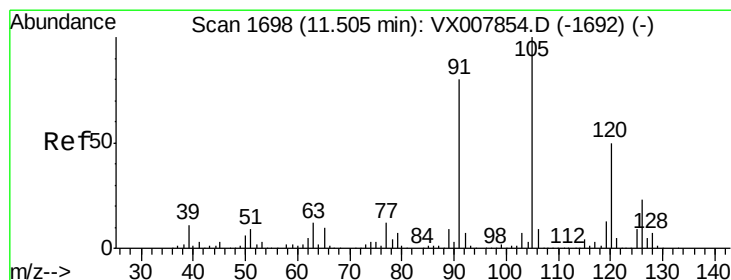
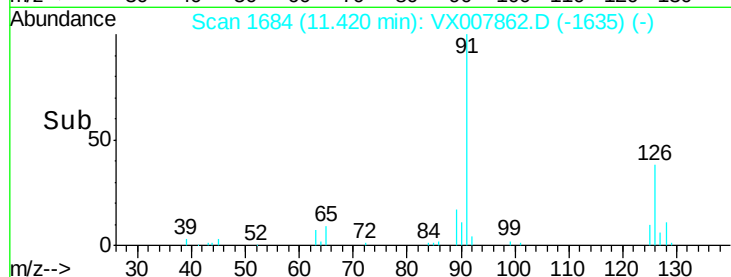
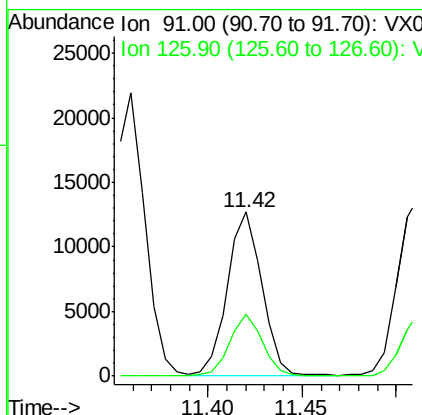
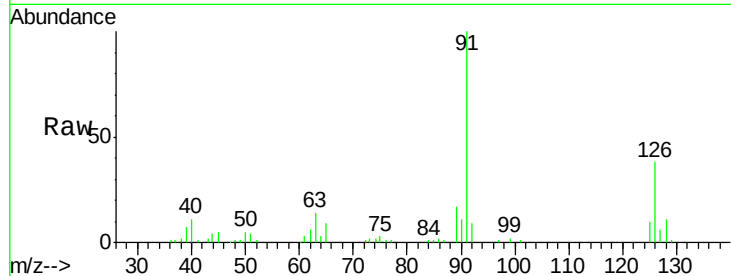
#79
 2-Chlorotoluene
 Concen: 2.028 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion: 91 Resp: 16067
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.5 52.6

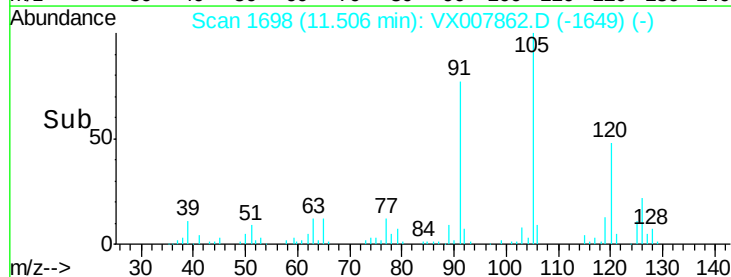
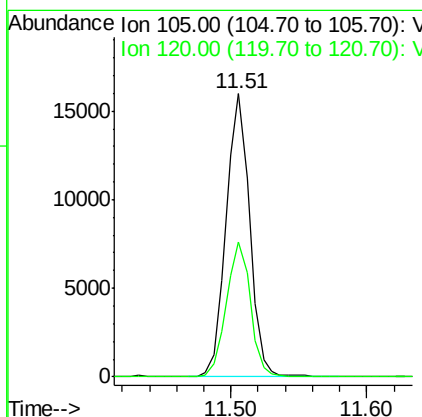
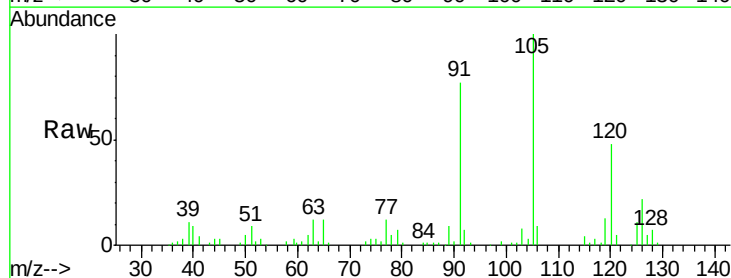
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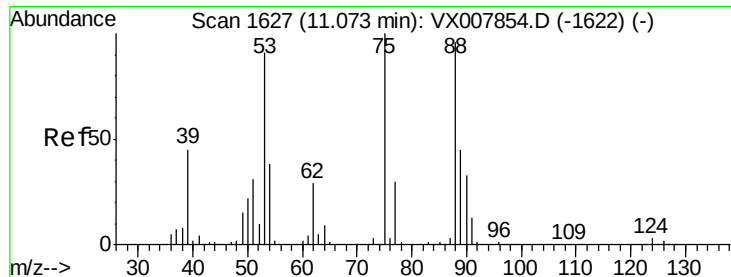
MMDadoda
 3/7/2019 10:35:29 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 1.997 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion: 105 Resp: 19192
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.506 ug/l m

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 75 Resp: 1707

Ion Ratio Lower Upper

75 100

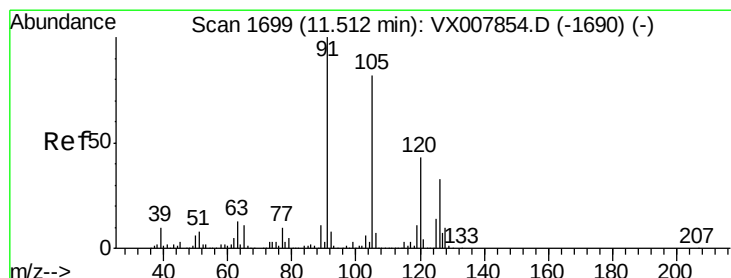
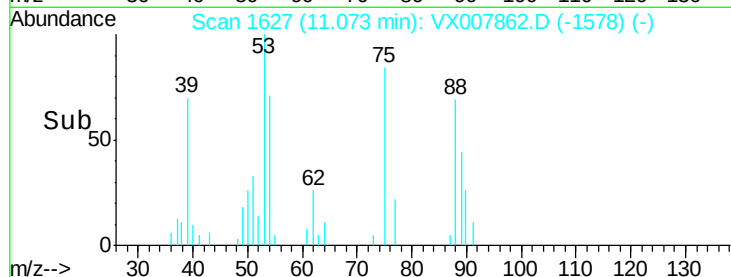
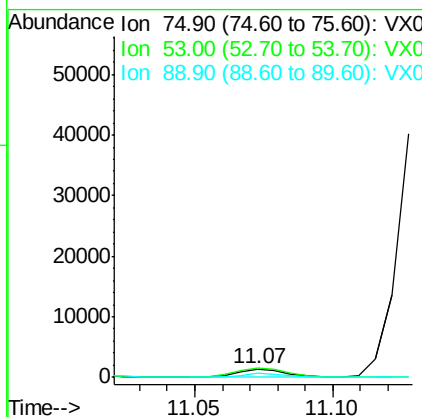
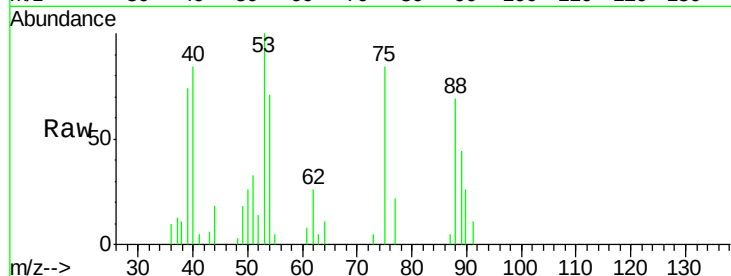
53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.020 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007862.D

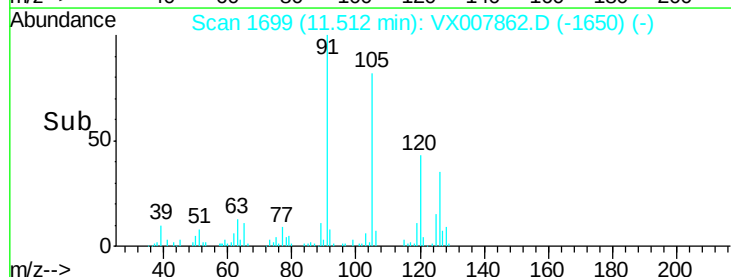
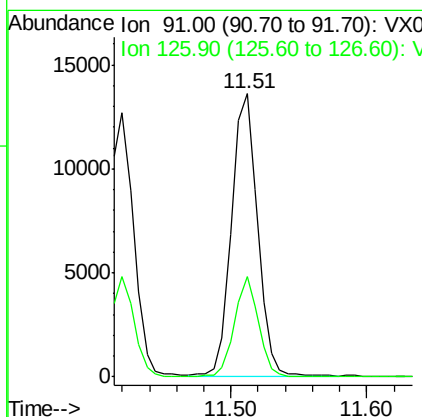
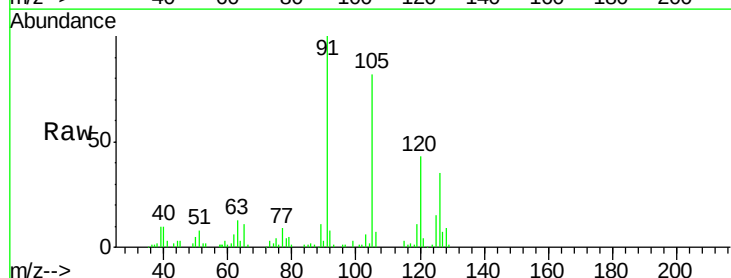
Acq: 06 Mar 2019 16:14

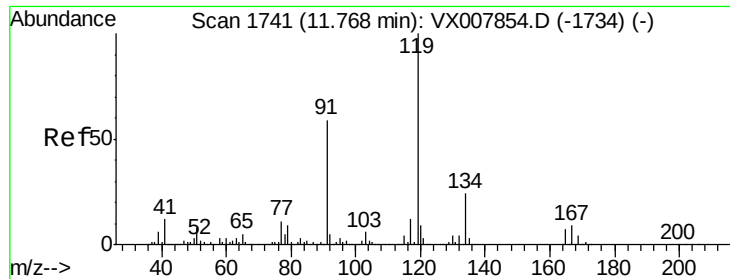
Tgt Ion: 91 Resp: 18335

Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.8





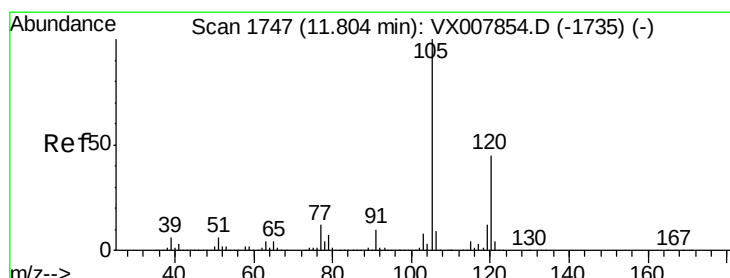
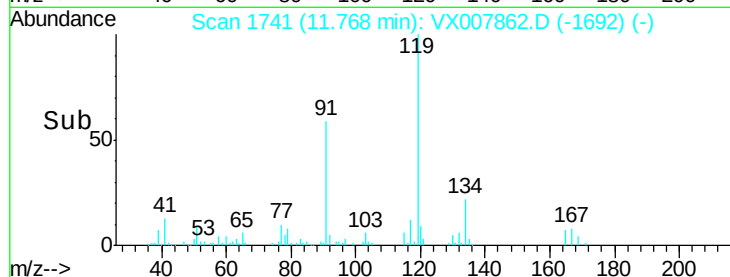
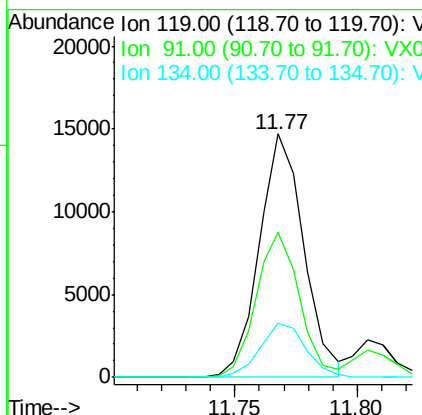
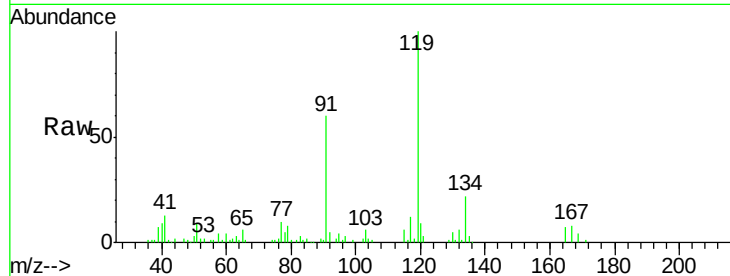
#83
 tert-Butylbenzene
 Concen: 1.933 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	18710		
91	58.3		27.1	81.3
134	22.9		11.4	34.1

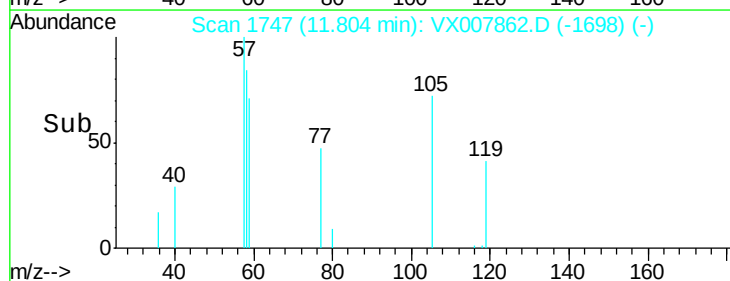
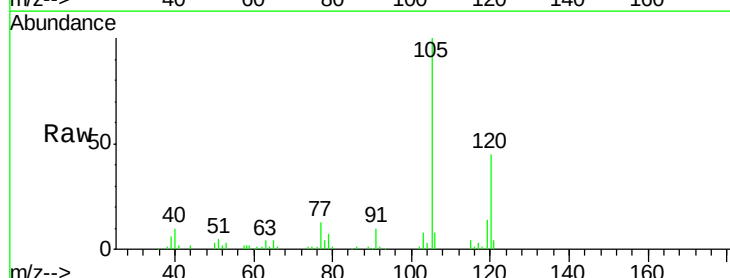
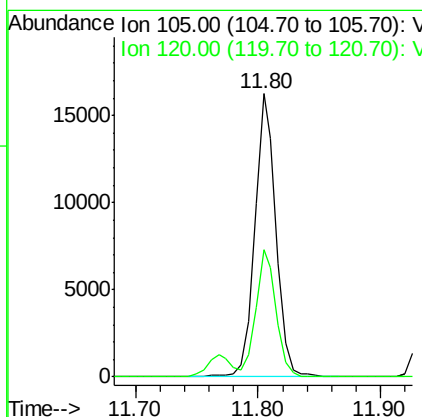
Manual Integrations
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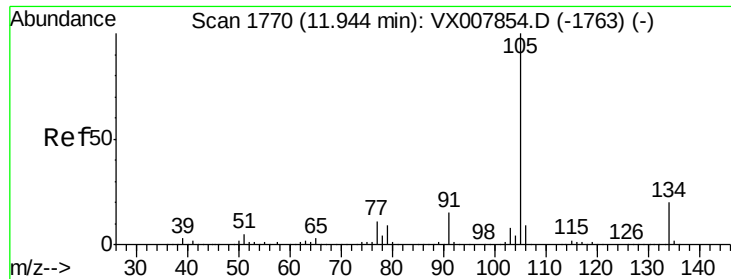
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.984 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	19546		
120	43.0		22.6	67.7





#85

sec-Butylbenzene

Concen: 1.981 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:105 Resp: 22589

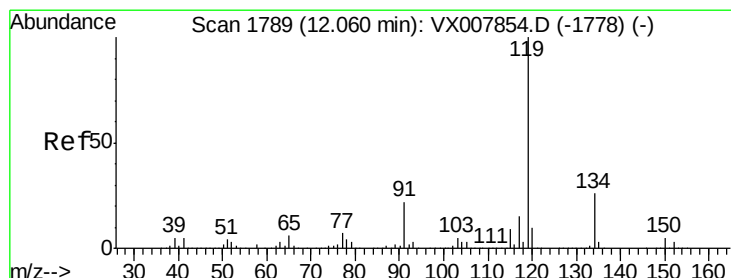
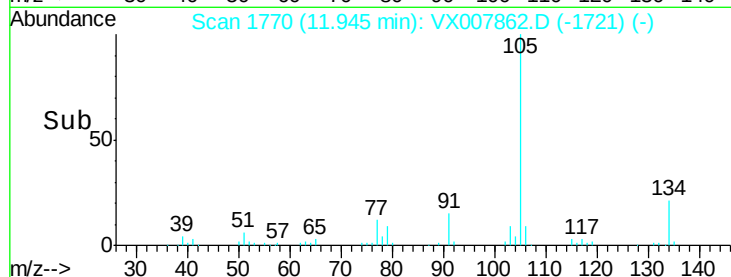
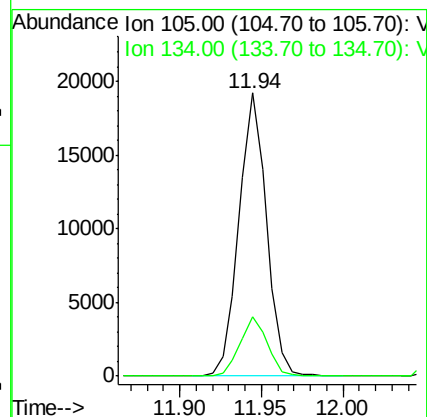
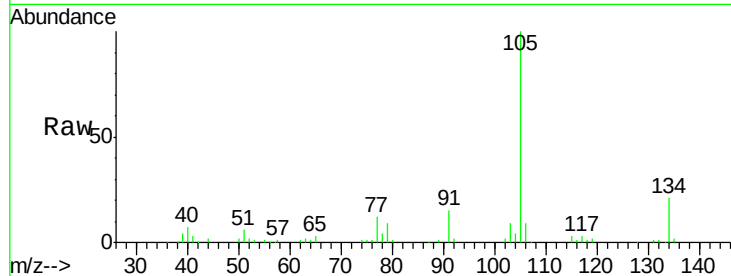
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 1.959 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

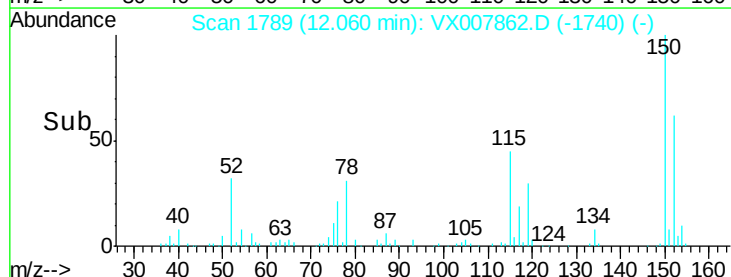
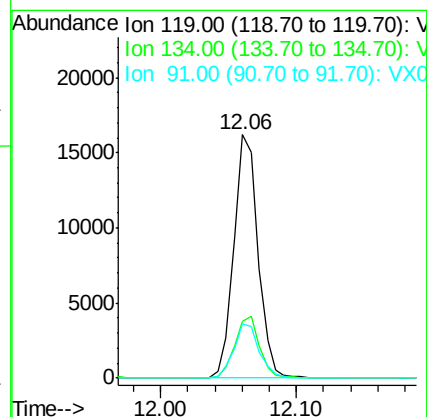
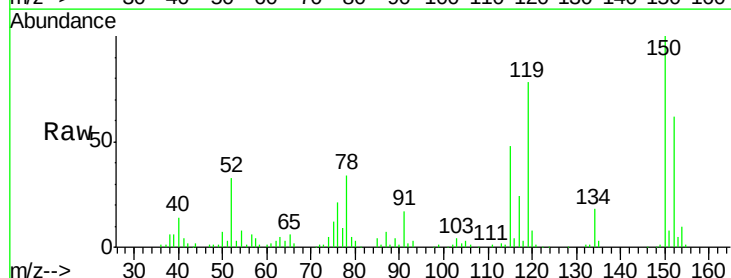
Tgt Ion:119 Resp: 19999

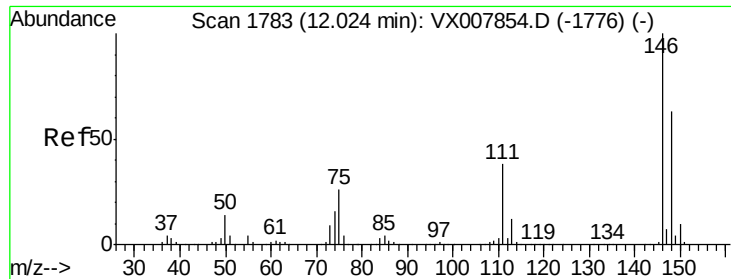
Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

91 23.8 10.9 32.7





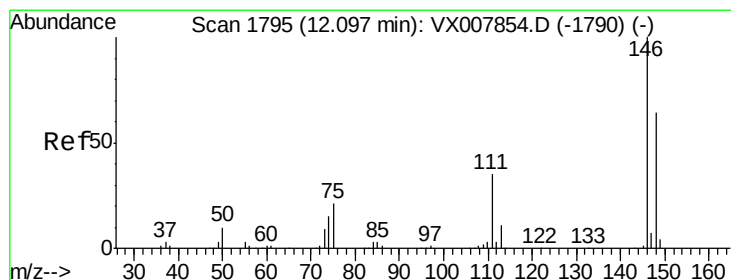
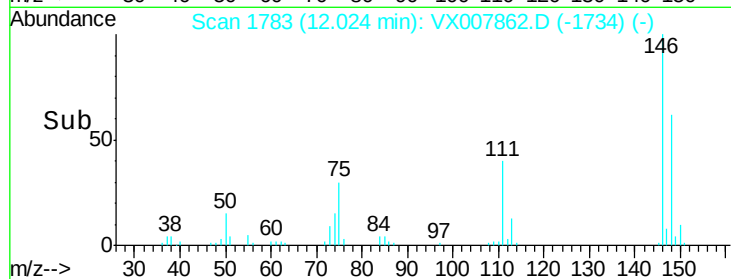
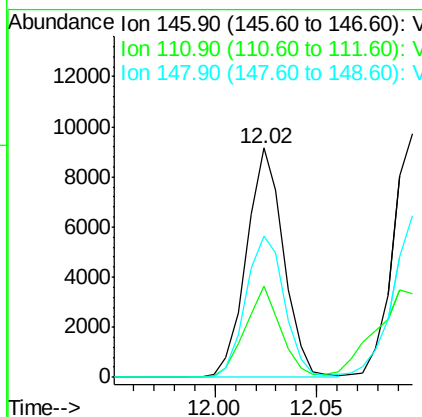
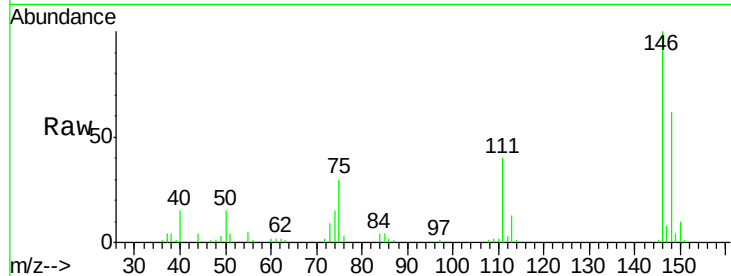
#87
 1,3-Dichlorobenzene
 Concen: 2.048 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	63.8	31.7	95.1

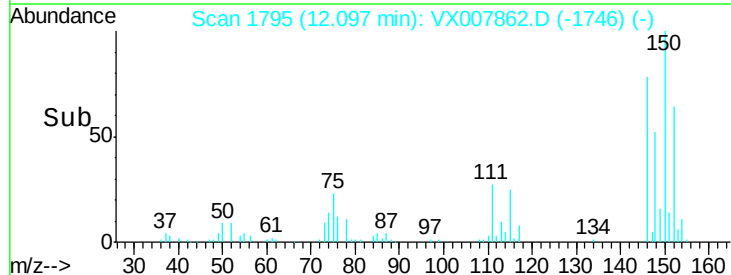
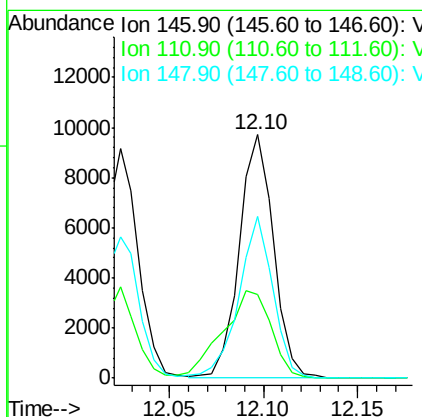
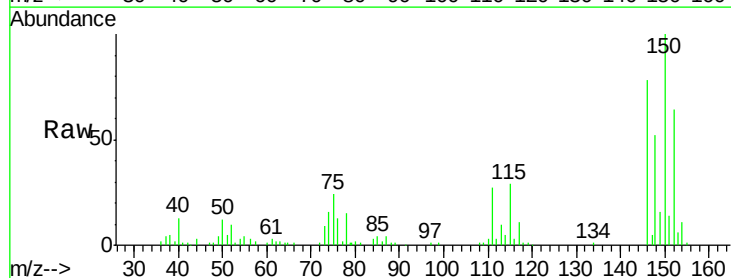
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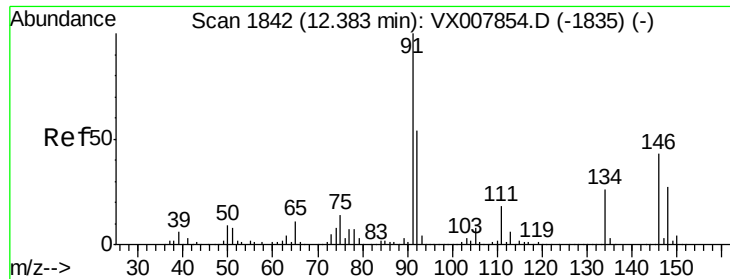
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#88
 1,4-Dichlorobenzene
 Concen: 2.110 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.2	18.4	55.0
148	66.4	32.2	96.6





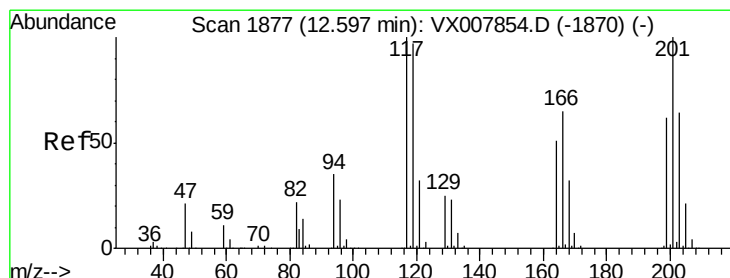
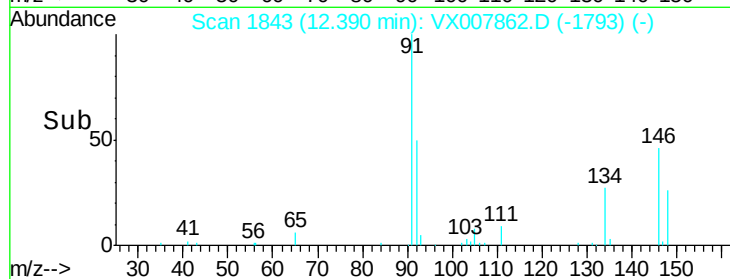
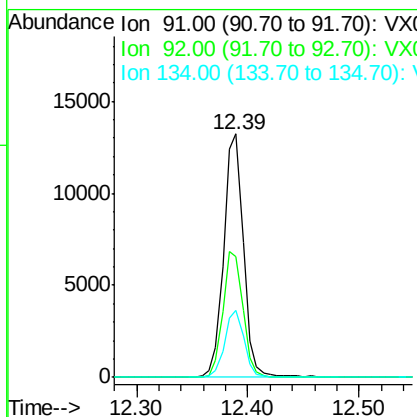
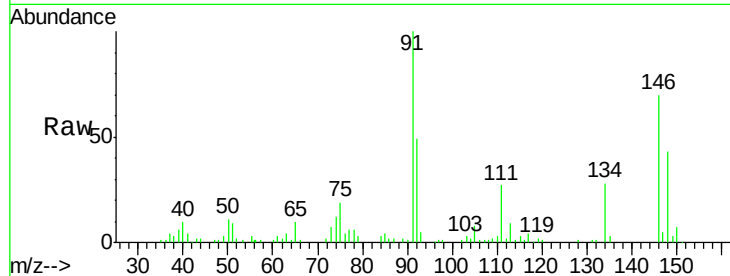
#89
n-Butylbenzene
Concen: 1.881 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.0	80.8
134	26.9	13.7	41.0

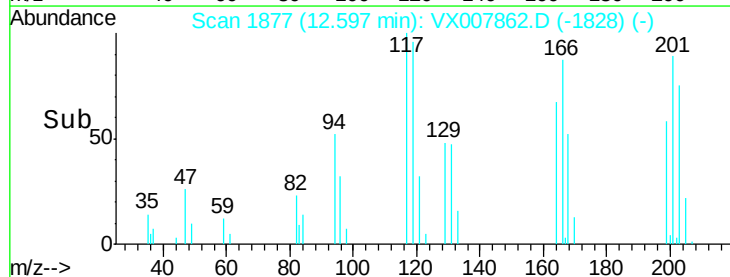
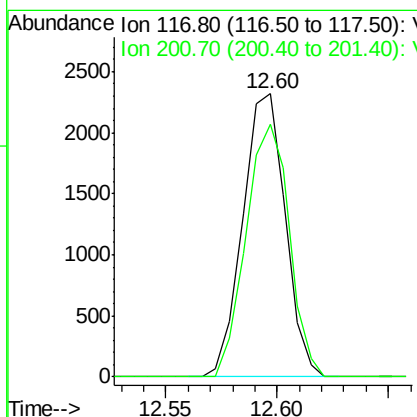
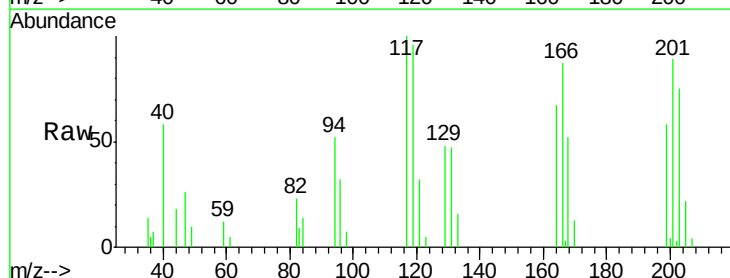
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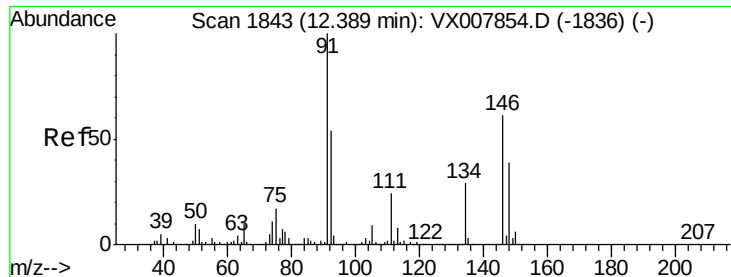
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#90
Hexachloroethane
Concen: 1.809 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007862.D
Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	48.9	146.7





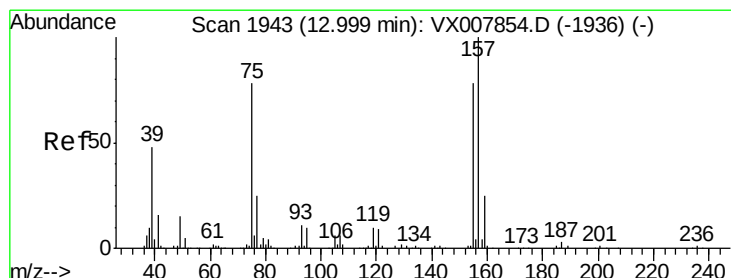
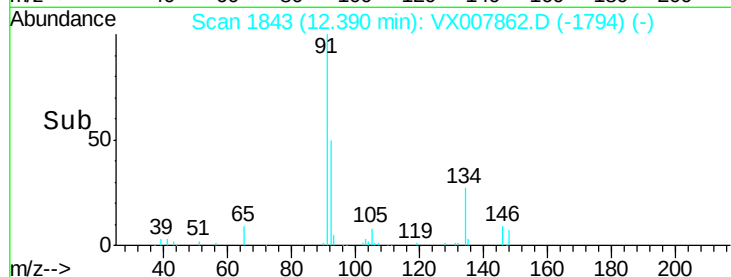
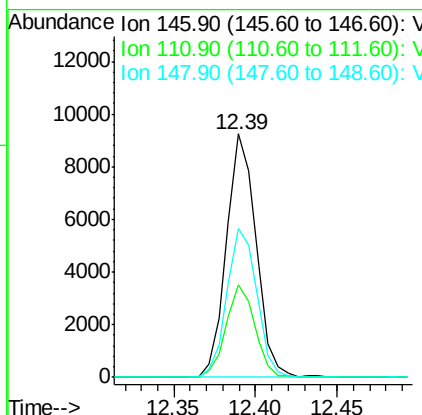
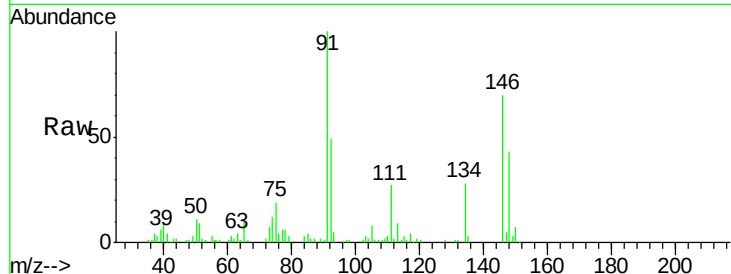
#91
 1,2-Dichlorobenzene
 Concen: 2.072 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.6	58.8
148	61.9	31.9	95.5

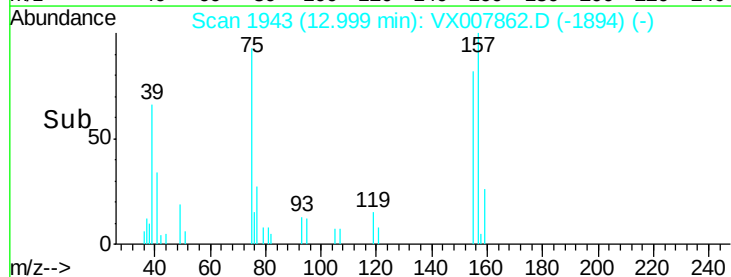
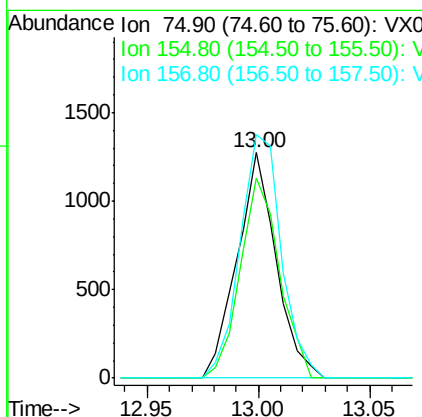
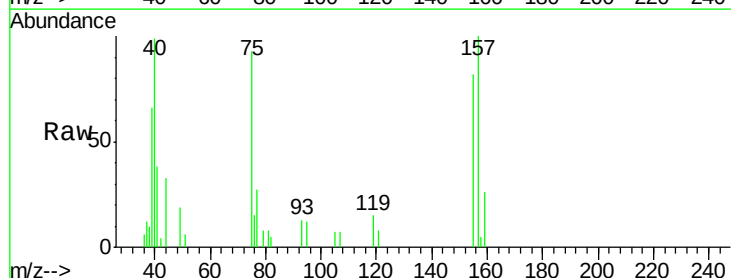
Manual Integrations
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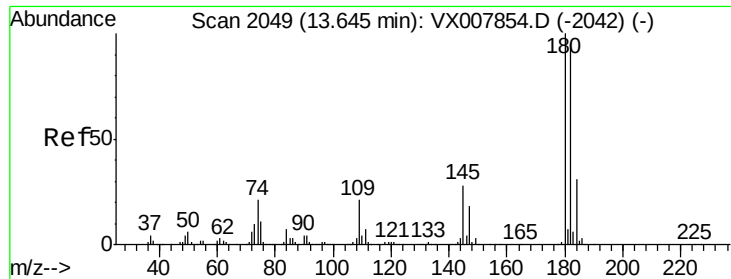
MMDadoda
 3/7/2019 10:35:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.852 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	49.7	149.1
157	114.6	63.8	191.4





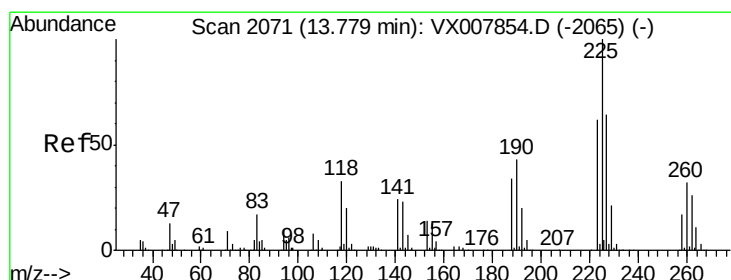
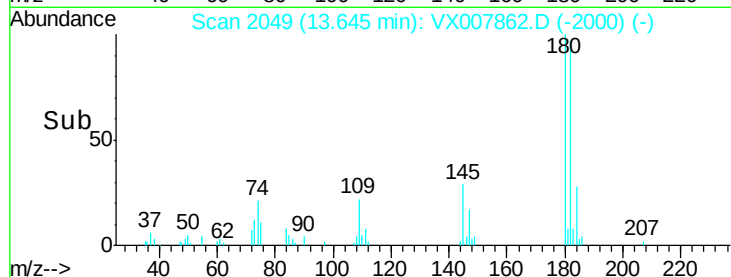
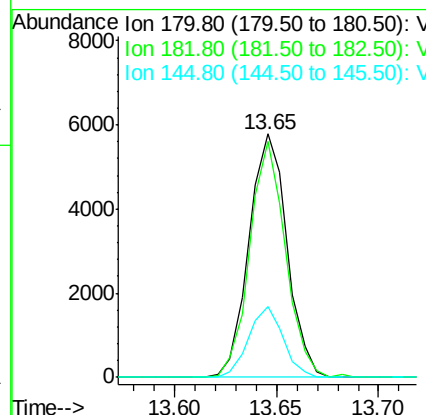
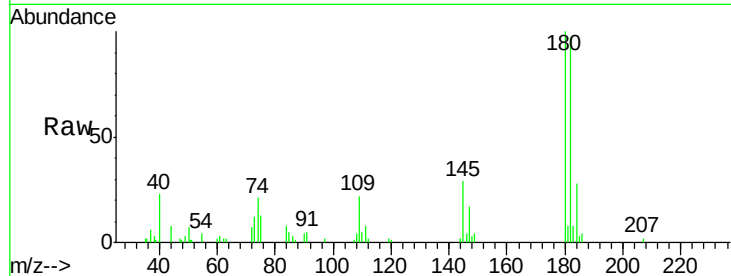
#93
 1,2,4-Trichlorobenzene
 Concen: 1.893 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.9	143.7
145	26.6	14.1	42.4

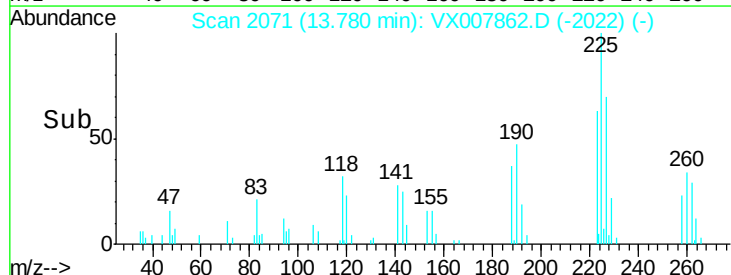
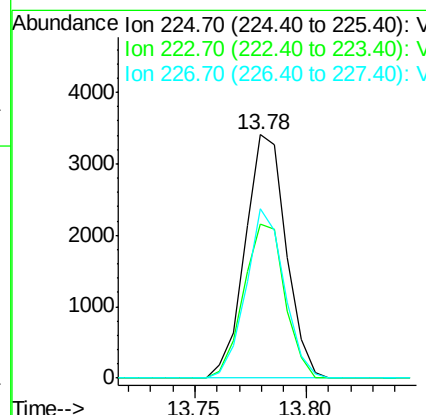
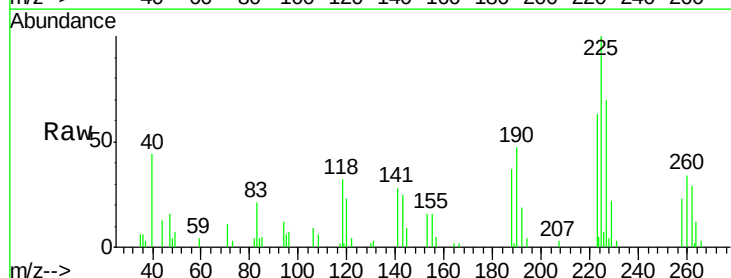
Manual Integrations
 APPROVED

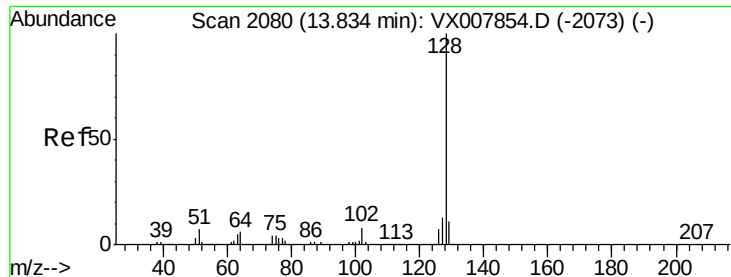
MMDadoda
 3/7/2019 10:35:29 AM



#94
 Hexachlorobutadiene
 Concen: 2.110 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007862.D
 Acq: 06 Mar 2019 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.1	93.2
227	65.1	32.0	96.0





#95

Naphthalene

Concen: 1.724 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Instrument :

MSVOA_X

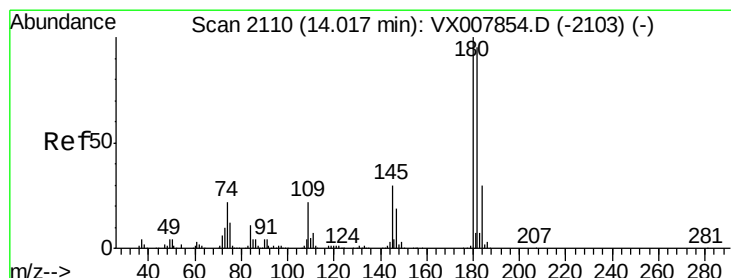
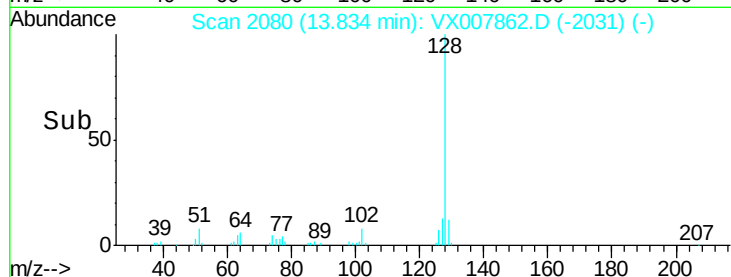
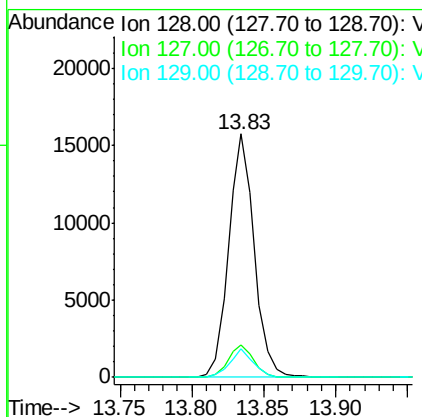
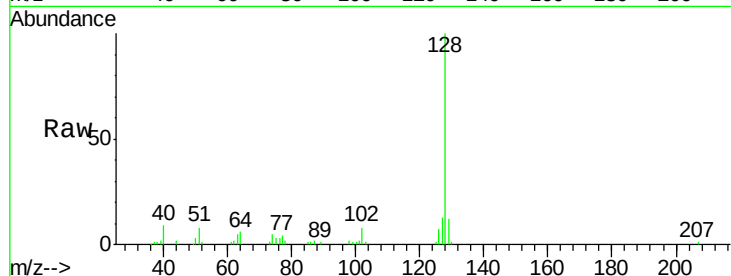
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	128	Resp:	19632
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 1.904 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007862.D

Acq: 06 Mar 2019 16:14

Tgt Ion:	180	Resp:	7498
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.5
145	30.2	14.8	44.3

