

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101518\
 Data File : VX005338.D
 Acq On : 15 Oct 2018 12:48
 Operator : JC/MD
 Sample : J5164-08 2ppb
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:36:43 PM

Quant Time: Oct 16 12:07:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 12:03:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179191	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	141970	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	5.50	113	116113	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	8.71	98	423702	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	11.14	95	149371	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3865	2.00	ug/l	95
3) Chloromethane	1.32	50	5876	2.10	ug/l	95
4) Vinyl Chloride	1.41	62	6340	2.24	ug/l	# 81
5) Bromomethane	1.64	94	4644	2.64	ug/l	95
6) Chloroethane	1.71	64	3922	2.32	ug/l	93
7) Trichlorofluoromethane	1.92	101	7932	2.10	ug/l	95
8) Diethyl Ether	2.18	74	3385	2.10	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	4930	2.26	ug/l	98
12) 1,1-Dichloroethene	2.37	96	4625	2.14	ug/l	92
14) Allyl chloride	2.73	41	10600	2.23	ug/l	95
15) Acrylonitrile	3.15	53	18716	10.68	ug/l	97
16) Acetone	2.45	43	21063	13.29	ug/l	100
17) Carbon Disulfide	2.56	76	14072	2.15	ug/l	100
18) Methyl Acetate	2.78	43	10414	2.31	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	16706	2.19	ug/l	97
20) Methylene Chloride	2.85	84	6178	2.41	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	5272	2.20	ug/l	96
22) Diisopropyl ether	3.87	45	15413	1.93	ug/l	# 84
23) Vinyl Acetate	3.82	43	65904	9.45	ug/l	# 91
24) 1,1-Dichloroethane	3.69	63	9446	2.07	ug/l	96
25) 2-Butanone	4.70	43	24954	10.76	ug/l	98
26) 2,2-Dichloropropane	4.59	77	7175	2.10	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	5258	2.02	ug/l	84
28) Bromochloromethane	5.02	49	4184	2.01	ug/l	# 95
29) Tetrahydrofuran	5.16	42	14575	9.86	ug/l	93
30) Chloroform	5.21	83	9019	2.13	ug/l	95
31) Cyclohexane	5.57	56	7133	1.89	ug/l	85
32) 1,1,1-Trichloroethane	5.49	97	7852	2.13	ug/l	98
36) 1,1-Dichloropropene	5.79	75	6229	1.80	ug/l	95
37) Ethyl Acetate	4.86	43	8147	1.83	ug/l	97
38) Carbon Tetrachloride	5.77	117	6742	1.93	ug/l	93
39) Methylcyclohexane	7.46	83	6877	1.83	ug/l	89
40) Benzene	6.14	78	19628	1.89	ug/l	97
41) Methacrylonitrile	5.06	41	4338	1.81	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	7255	1.97	ug/l	94
43) Isopropyl Acetate	6.46	43	11635	1.96	ug/l	98
44) Trichloroethene	7.22	130	5708	1.91	ug/l	99
45) 1,2-Dichloropropane	7.52	63	5277	2.07	ug/l	95
46) Dibromomethane	7.66	93	3431	2.04	ug/l	96
47) Bromodichloromethane	7.90	83	6329	2.03	ug/l	99
48) Methyl methacrylate	7.77	41	5306	1.72	ug/l	96
49) 1,4-Dioxane	7.76	88	2867	40.33	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	37150	9.03	ug/l	93
52) Toluene	8.79	92	12708	2.23	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	6374	1.89	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	6600	1.81	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	5073	2.10	ug/l	98
56) Ethyl methacrylate	9.18	69	6639	1.89	ug/l	93
57) 1,3-Dichloropropane	9.37	76	8452	2.10	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	17502	8.88	ug/l	96
59) 2-Hexanone	9.50	43	30146	9.11	ug/l	92
60) Dibromochloromethane	9.59	129	4861	1.95	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5012	1.98	ug/l	98
64) Tetrachloroethene	9.34	164	5563	2.08	ug/l	97
65) Chlorobenzene	10.14	112	14208	2.01	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	4966	1.98	ug/l	95
67) Ethyl Benzene	10.25	91	21376	1.86	ug/l	97
68) m/p-Xylenes	10.36	106	16335	3.67	ug/l	100
69) o-Xylene	10.70	106	7572	1.76	ug/l	96
70) Styrene	10.71	104	11797	1.67	ug/l	95
71) Bromoform	10.86	173	3965	1.77	ug/l #	97
73) Isopropylbenzene	11.02	105	20072	1.88	ug/l	98
74) N-amyI acetate	10.90	43	9213	1.79	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	8237	2.05	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	7529m	2.17	ug/l	
77) Bromobenzene	11.26	156	6438	2.11	ug/l	98
78) n-propylbenzene	11.36	91	23802	1.94	ug/l	100
79) 2-Chlorotoluene	11.42	91	15419	2.05	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	16636	1.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	2056m	1.80	ug/l	
82) 4-Chlorotoluene	11.51	91	17402	1.96	ug/l	98
83) tert-Butylbenzene	11.77	119	17034	1.84	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	16484	1.76	ug/l	100
85) sec-Butylbenzene	11.94	105	19781	1.81	ug/l	100
86) p-Isopropyltoluene	12.07	119	17773	1.80	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11296	1.98	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	12452	2.14	ug/l	86
89) n-Butylbenzene	12.39	91	15670	1.75	ug/l	95
90) Hexachloroethane	12.60	117	3011	1.77	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	11603	2.00	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1820	1.86	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	8013	1.88	ug/l	98
94) Hexachlorobutadiene	13.78	225	4367	1.94	ug/l	93
95) Naphthalene	13.83	128	20095	1.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	8296	1.90	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 168 Resp: 246925

Ion Ratio Lower Upper

168 100

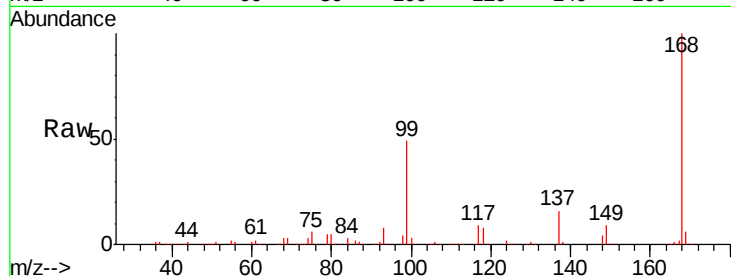
99 49.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

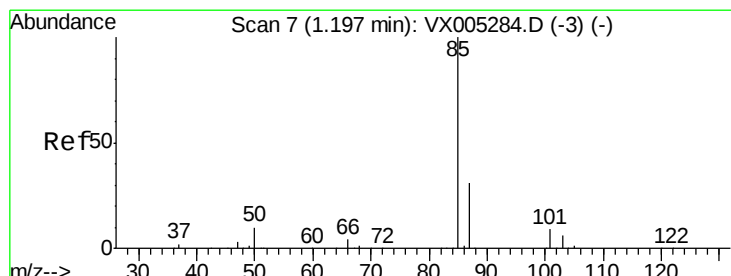
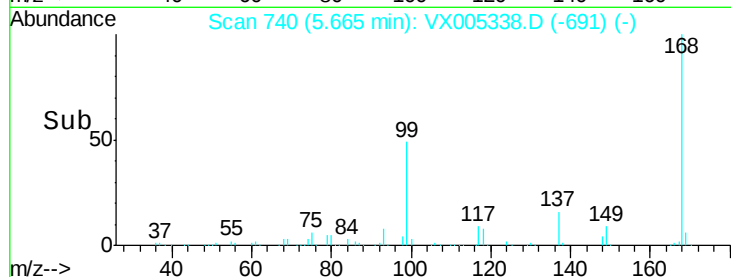
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.00 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005338.D

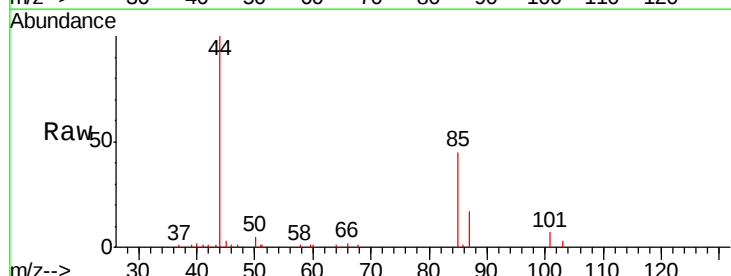
Acq: 15 Oct 2018 12:48

Tgt Ion: 85 Resp: 3865

Ion Ratio Lower Upper

85 100

87 36.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

3000

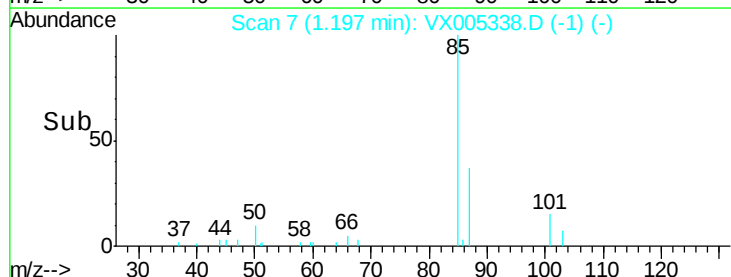
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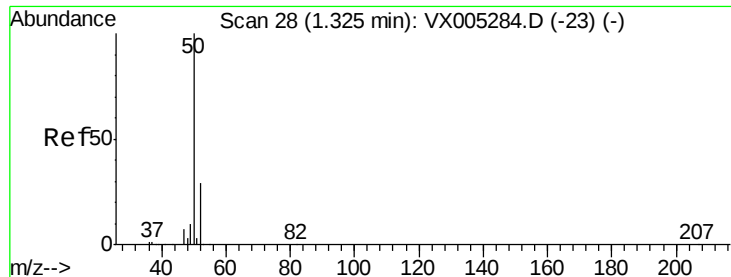
1000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 2.10 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 50 Resp: 5876

Ion Ratio Lower Upper

50 100

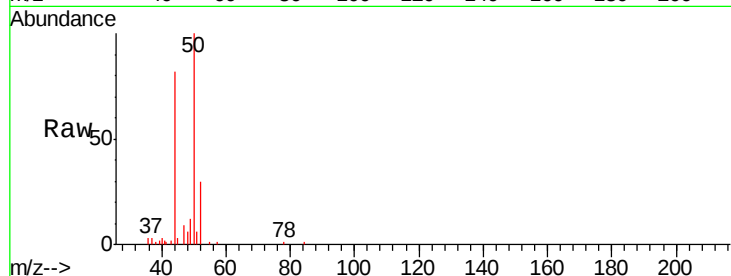
52 29.7 26.2 39.2

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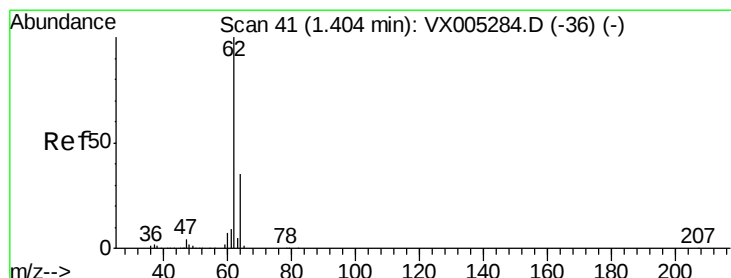
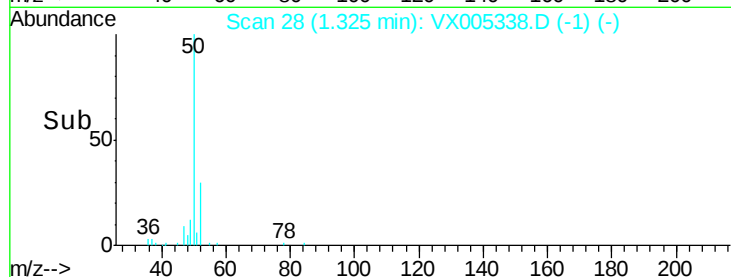
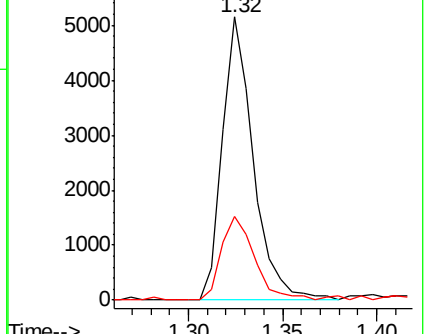
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.24 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005338.D

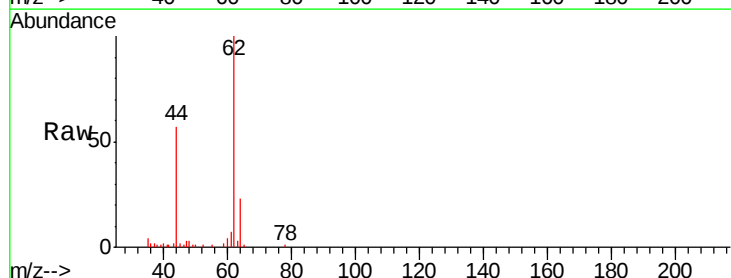
Acq: 15 Oct 2018 12:48

Tgt Ion: 62 Resp: 6340

Ion Ratio Lower Upper

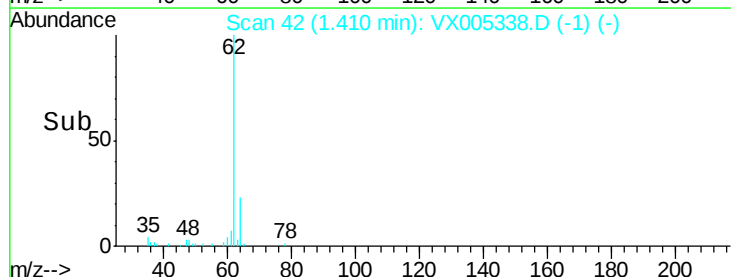
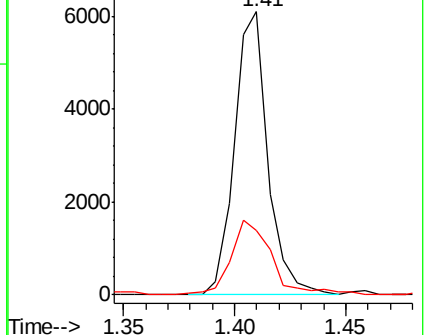
62 100

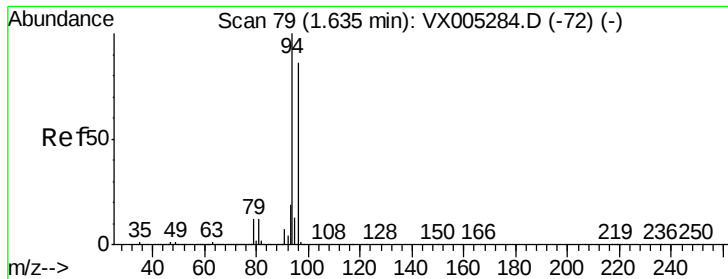
64 21.9 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 2.64 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 94 Resp: 4644

Ion Ratio Lower Upper

94 100

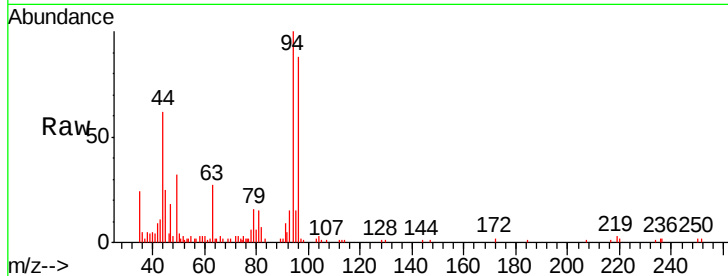
96 88.6 74.5 111.7

Manual Integrations

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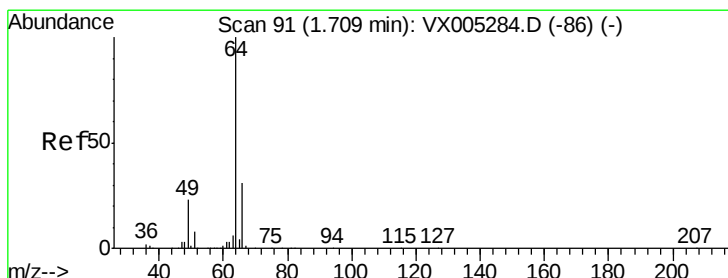
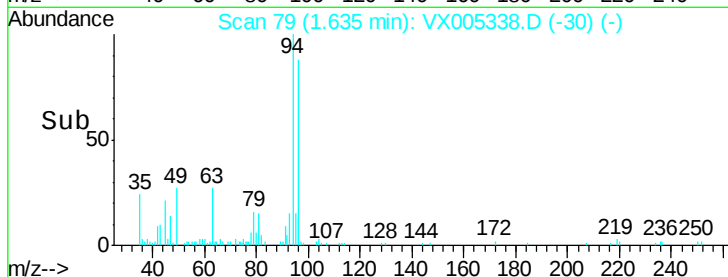
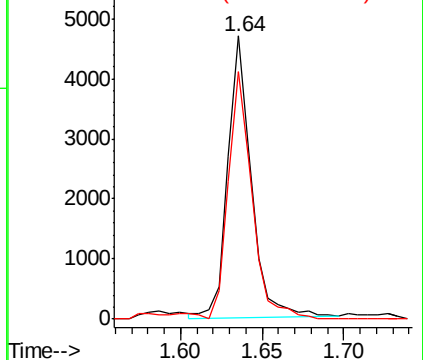
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.32 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005338.D

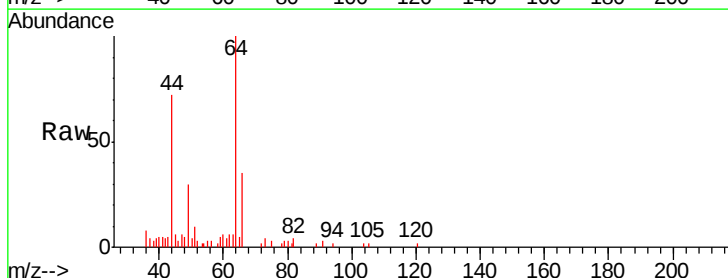
Acq: 15 Oct 2018 12:48

Tgt Ion: 64 Resp: 3922

Ion Ratio Lower Upper

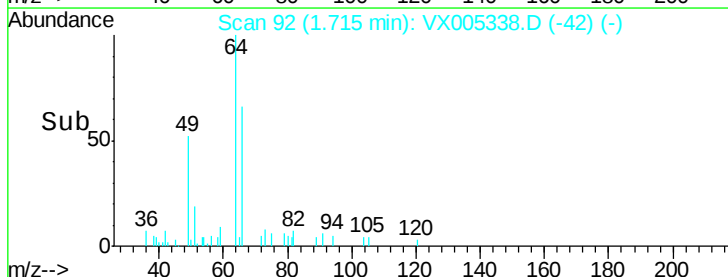
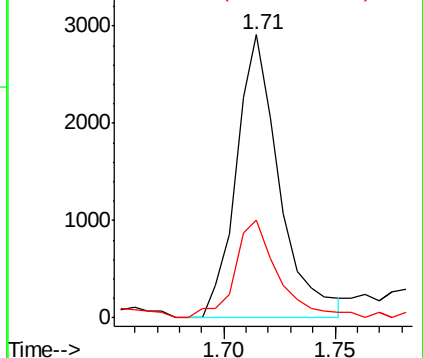
64 100

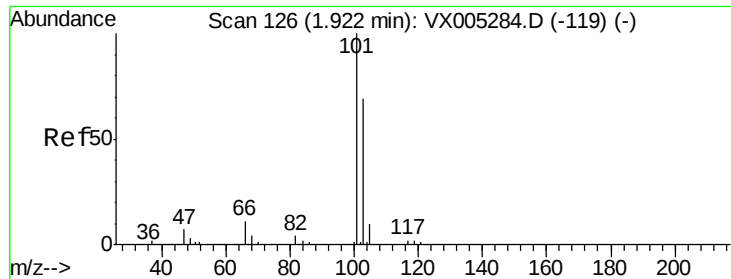
66 34.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

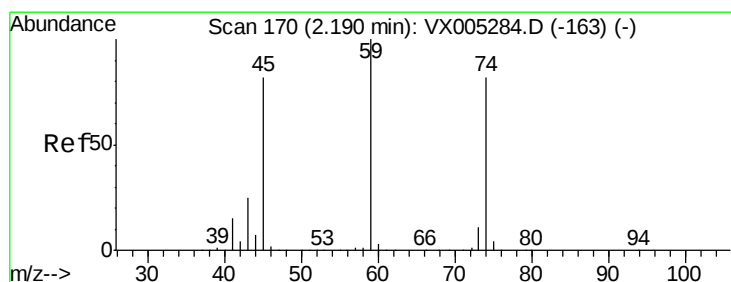
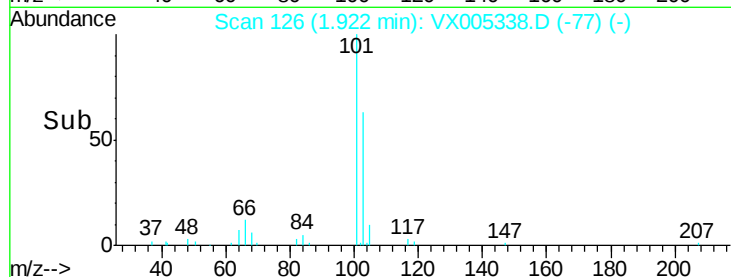
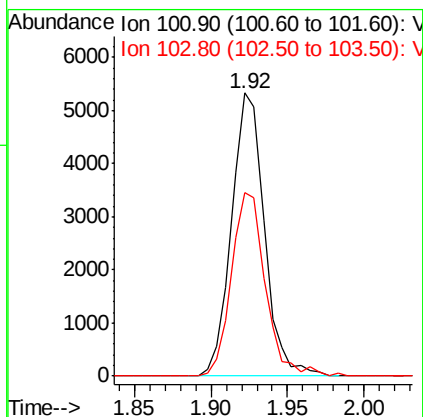
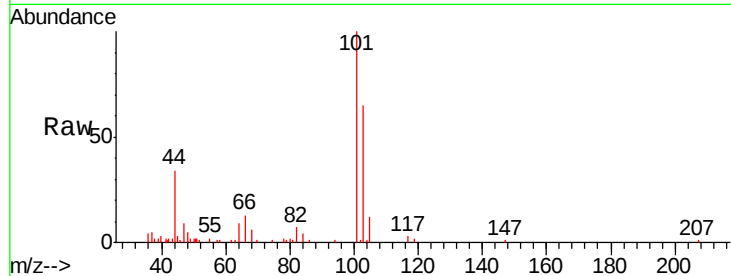
Trichlorofluoromethane
Concen: 2.10 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

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LOQ-WATER-02-QT4-2018

Tgt Ion: 101 Resp: 7932
Ion Ratio Lower Upper
101 100
103 65.0 48.9 73.3

Manual Integrations
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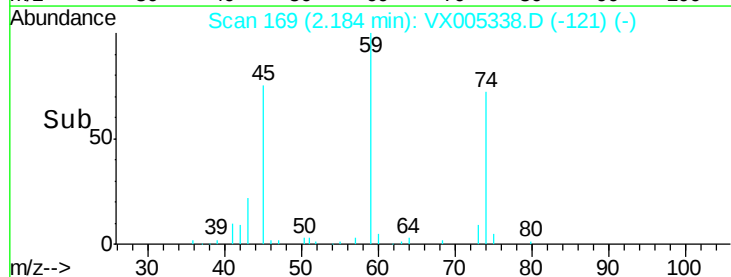
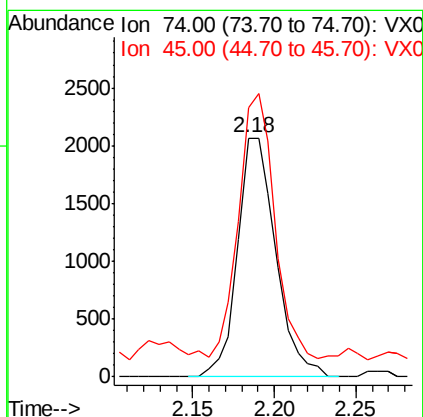
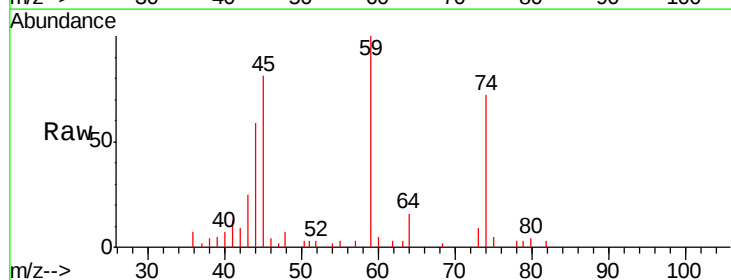
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10/16/2018 2:36:43 PM

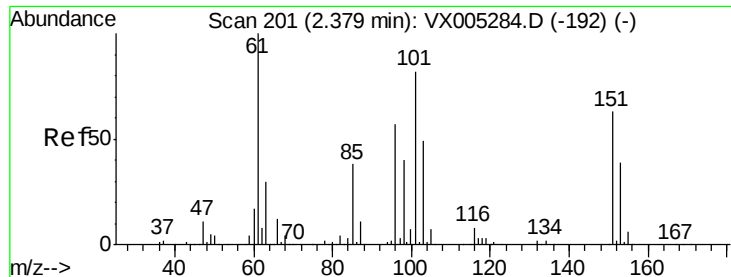


#8

Diethyl Ether
Concen: 2.10 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 74 Resp: 3385
Ion Ratio Lower Upper
74 100
45 104.3 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.26 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

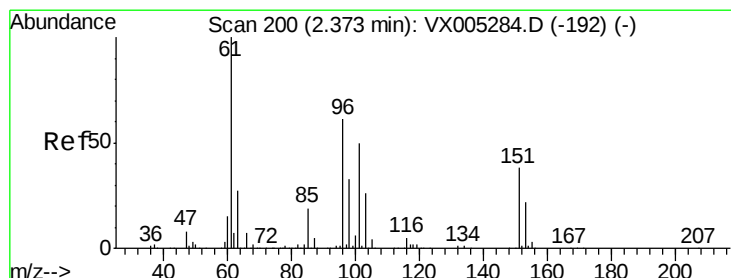
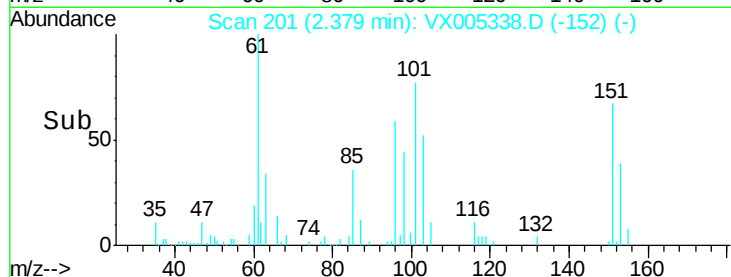
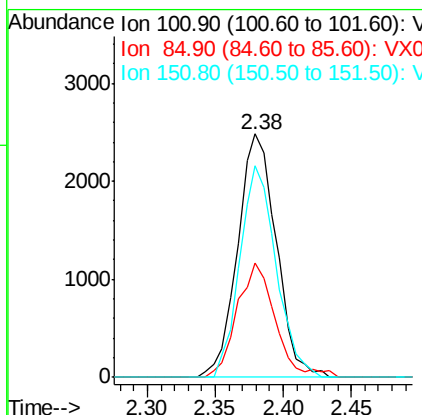
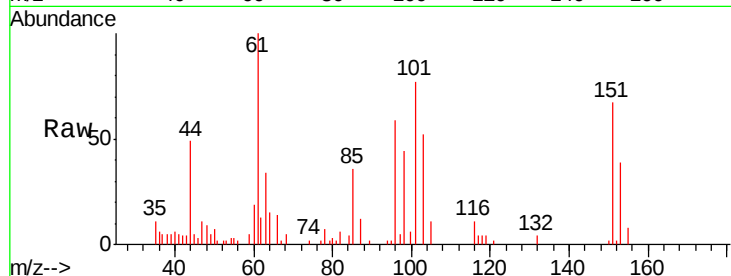
ClientSampleId :

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Tgt Ion:	101	Resp:	4930
Ion Ratio	Lower	Upper	
101	100		
85	46.2	34.2	51.4
151	81.7	65.0	97.6

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.14 ug/l

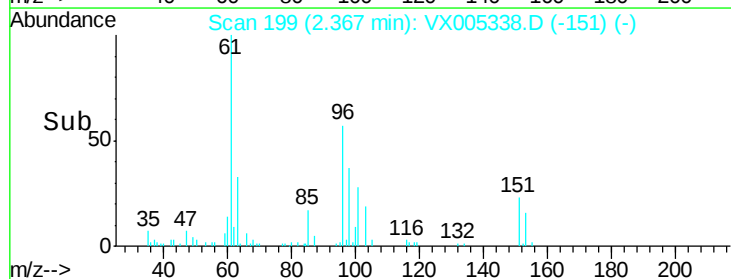
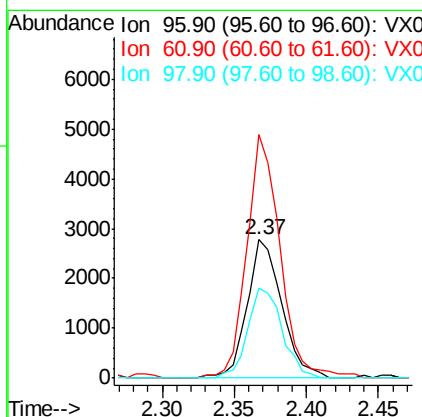
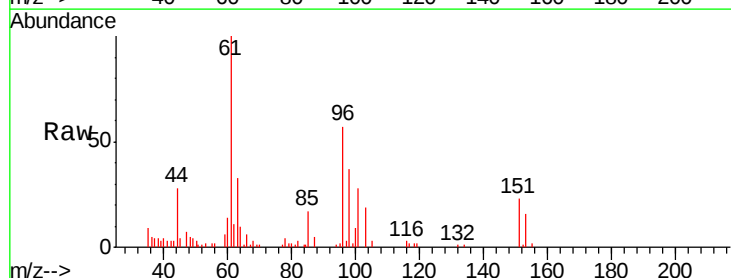
RT: 2.37 min Scan# 199

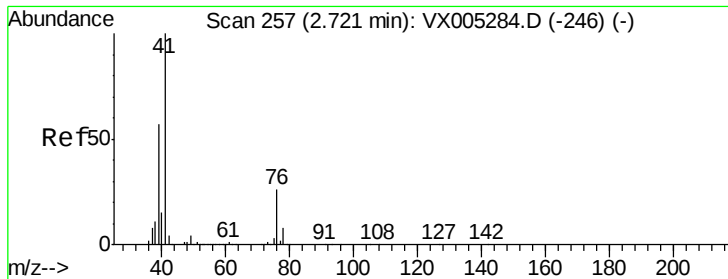
Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	96	Resp:	4625
Ion Ratio	Lower	Upper	
96	100		
61	175.7	128.8	193.2
98	65.3	52.2	78.2





#14

Allyl chloride

Concen: 2.23 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

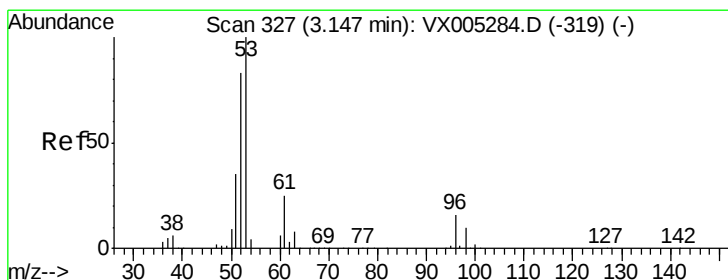
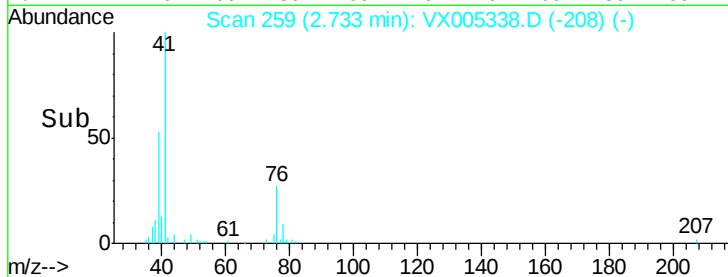
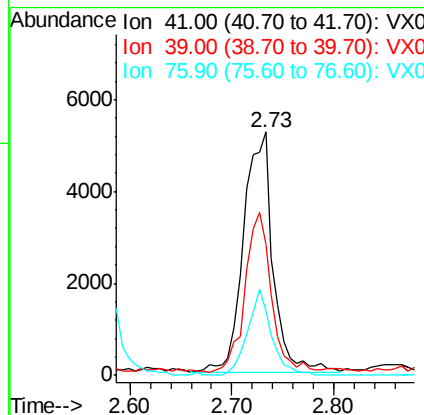
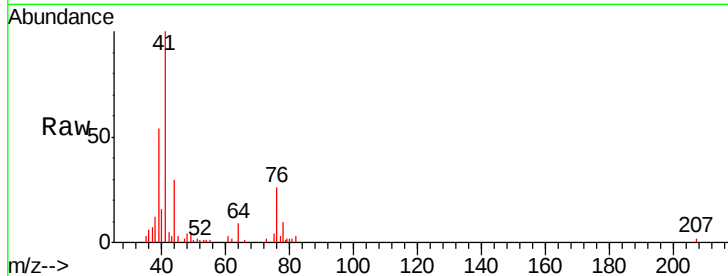
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	41	Resp:	10600
Ion	Ratio	Lower	Upper
41	100		
39	58.4	48.9	73.3
76	28.7	26.7	40.1

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#15

Acrylonitrile

Concen: 10.68 ug/l

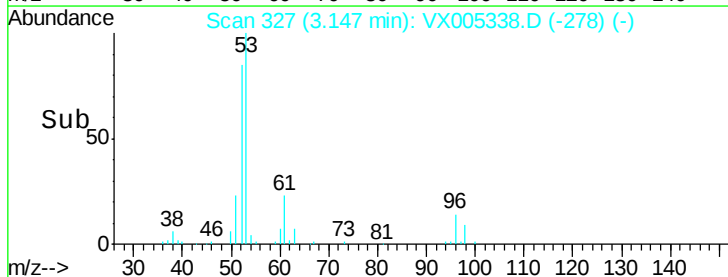
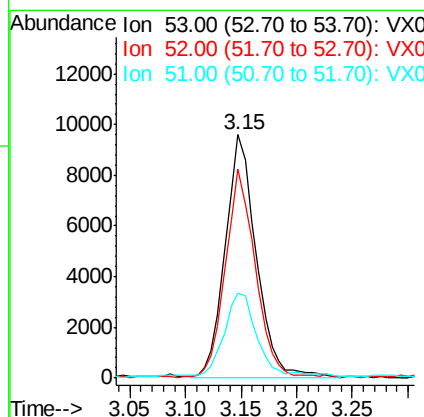
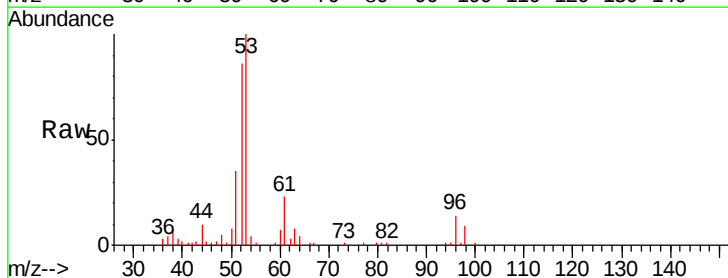
RT: 3.15 min Scan# 327

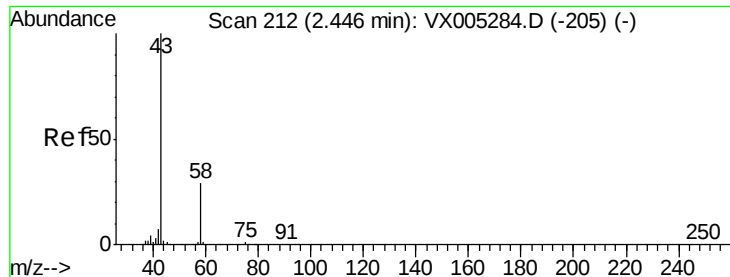
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	53	Resp:	18716
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	39.2	28.2	42.2





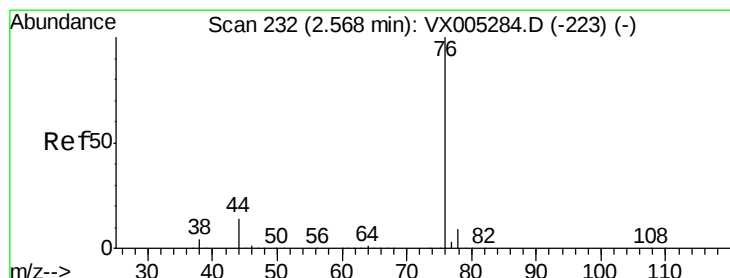
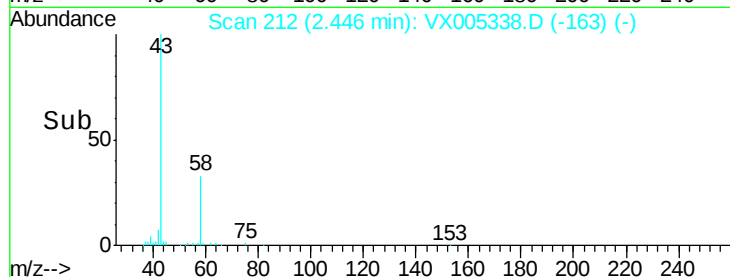
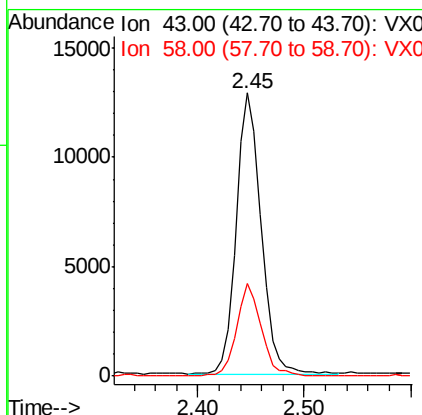
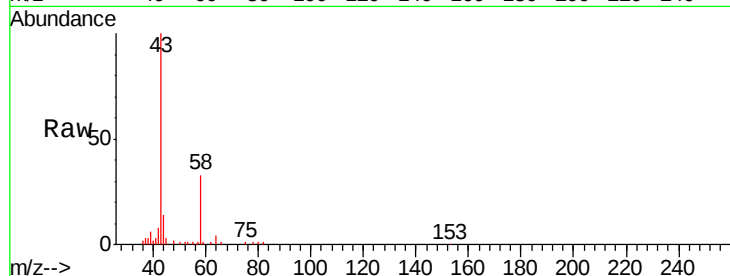
#16
Acetone
Concen: 13.29 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 21063
Ion Ratio Lower Upper
43 100
58 32.9 26.2 39.4

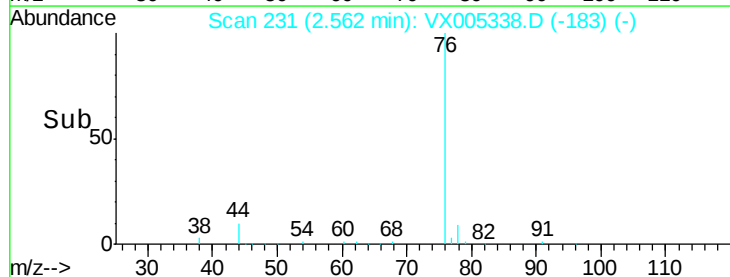
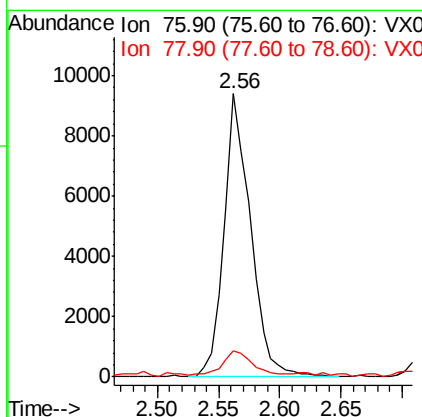
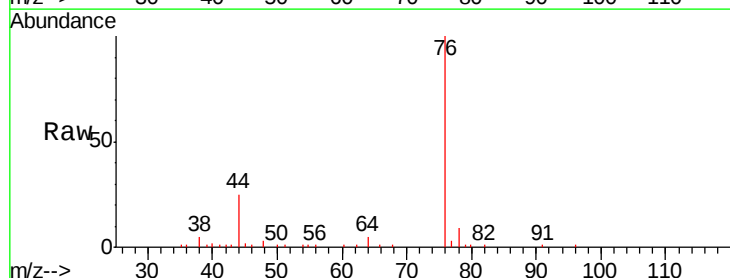
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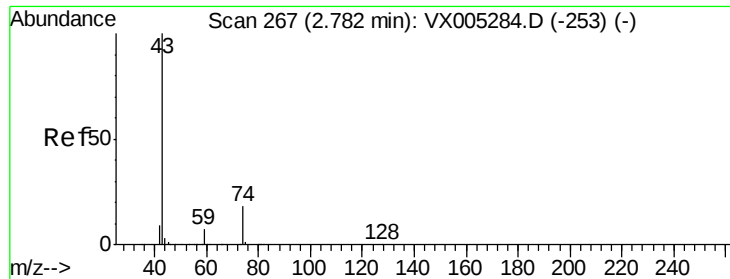
MMDadoda
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#17
Carbon Disulfide
Concen: 2.15 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 76 Resp: 14072
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6





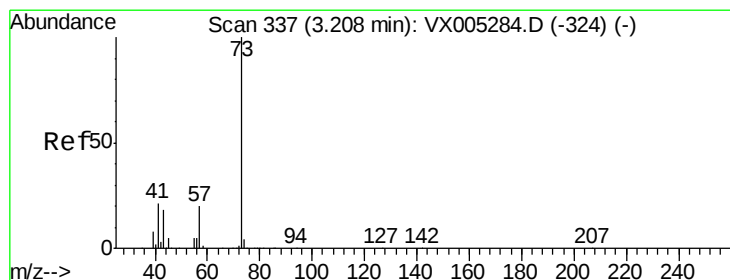
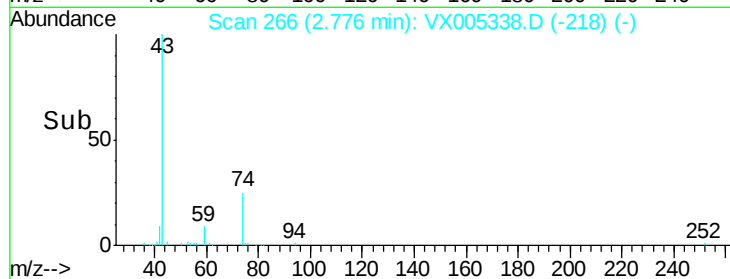
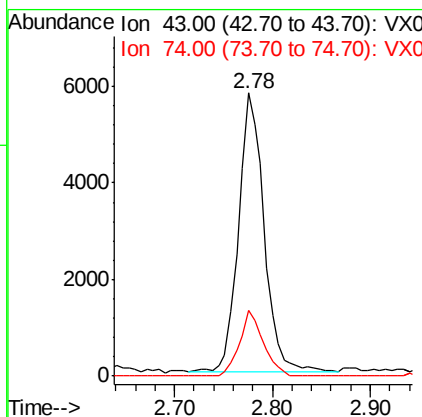
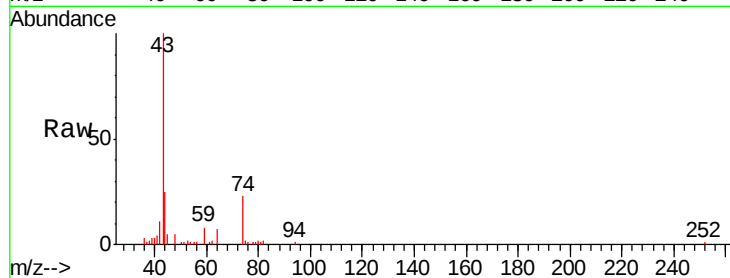
#18
Methyl Acetate
Concen: 2.31 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 43 Resp: 10414
Ion Ratio Lower Upper
43 100
74 21.9 19.4 29.2

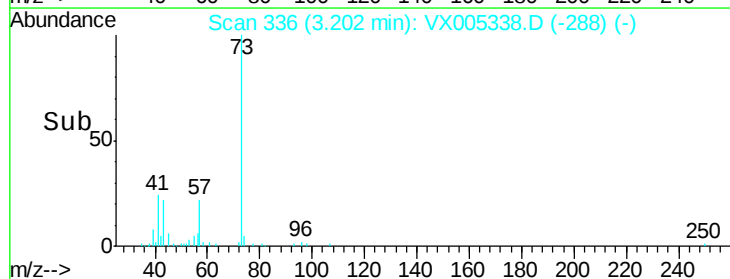
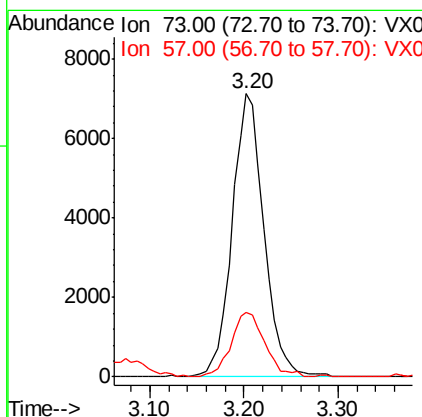
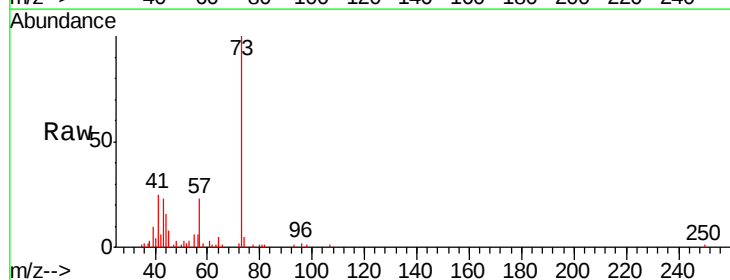
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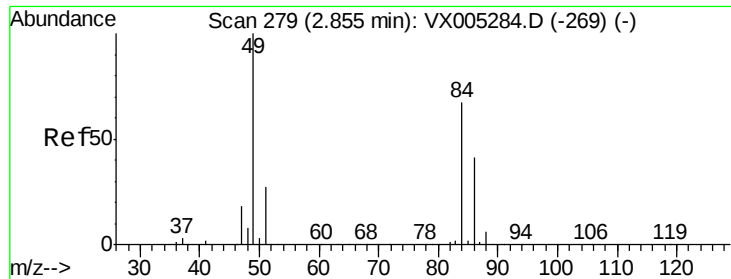
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 2.19 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 73 Resp: 16706
Ion Ratio Lower Upper
73 100
57 22.9 17.1 25.7





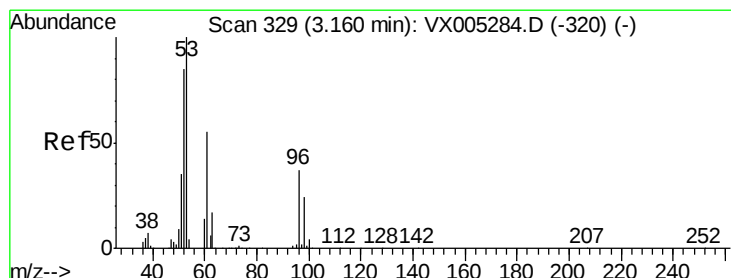
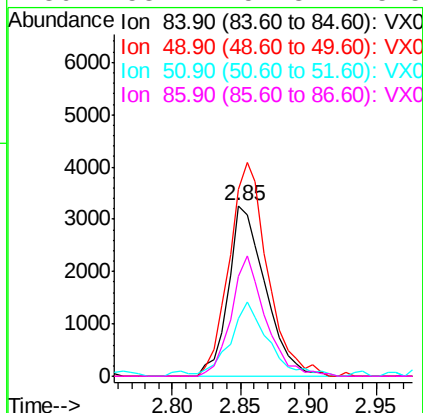
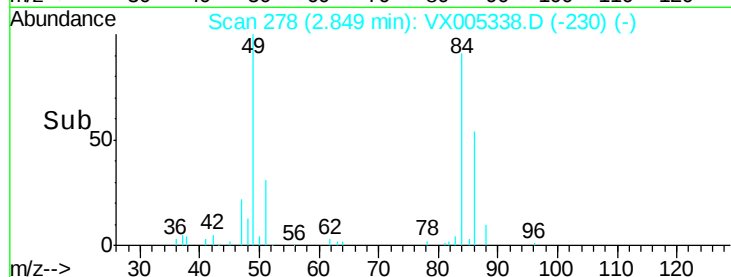
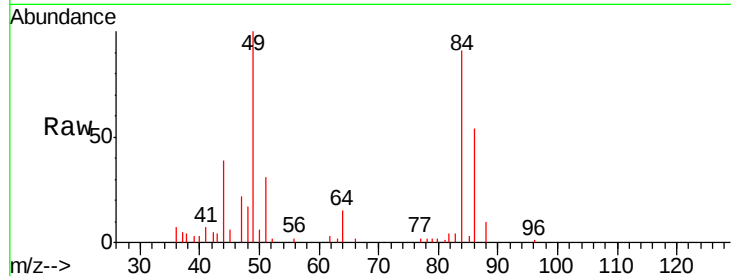
#20
Methylene Chloride
Concen: 2.41 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.6	101.2	151.8
51	32.4	29.5	44.3
86	58.7	52.3	78.5

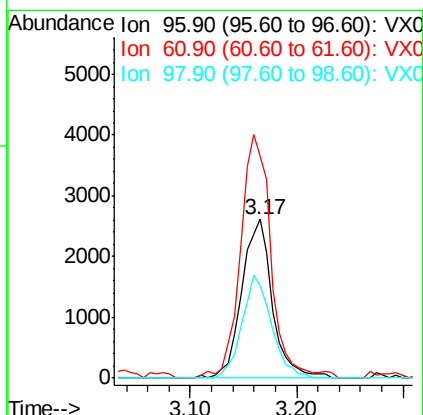
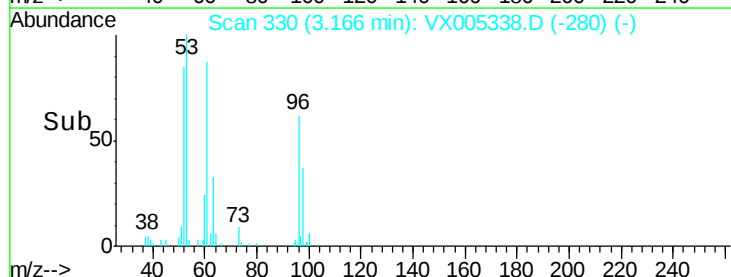
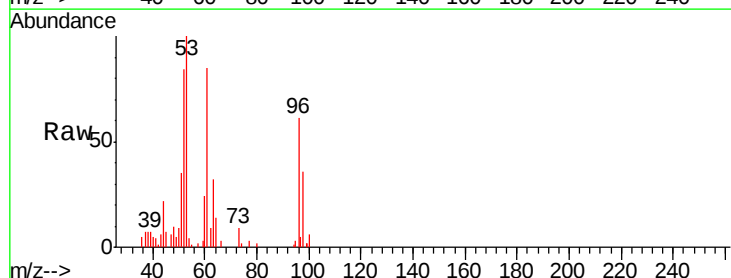
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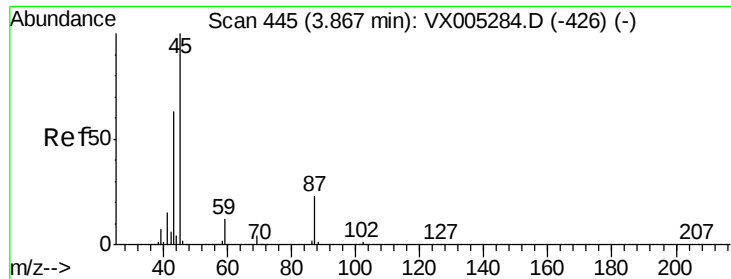
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 2.20 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

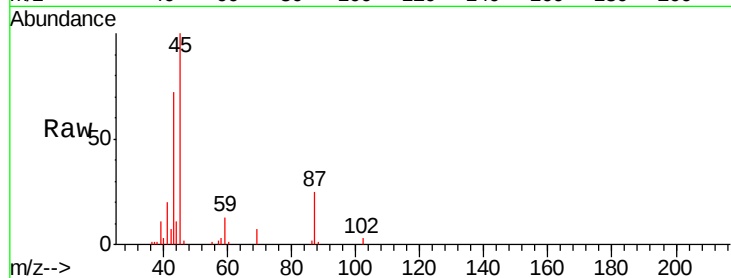
Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	113.8	170.6
98	58.6	51.8	77.8





#22
Diisopropyl ether
Concen: 1.93 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

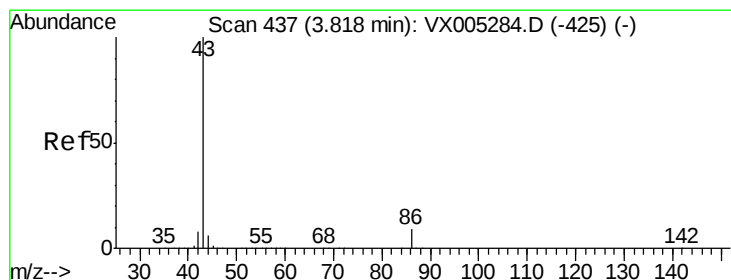
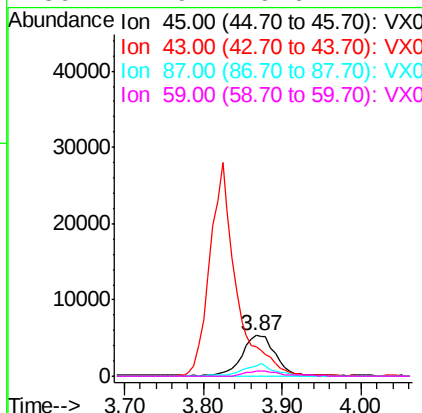
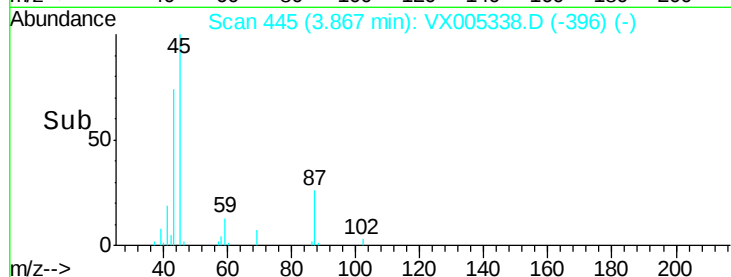
Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018



Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.1	42.8	64.2#
87	24.9	22.6	34.0
59	12.9	9.6	14.4

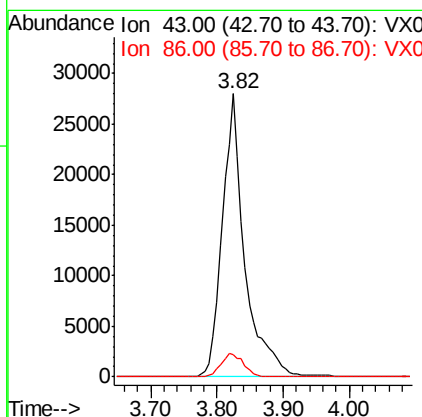
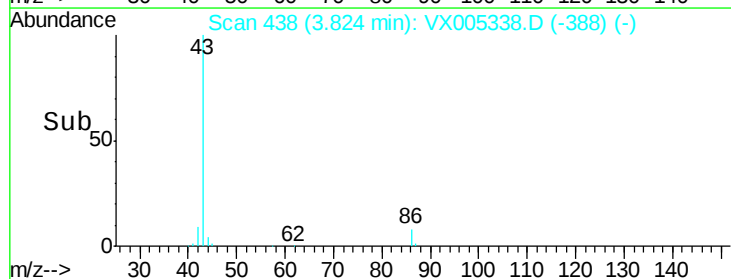
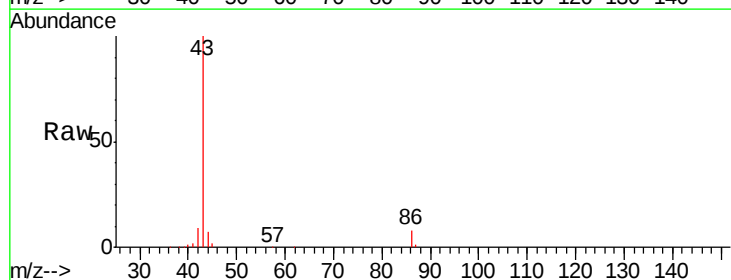
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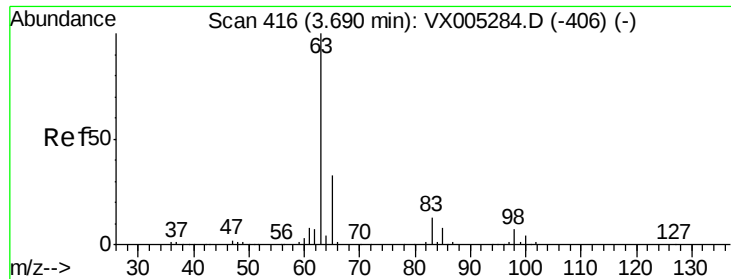
MMDadoda
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#23
Vinyl Acetate
Concen: 9.45 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.8	8.9	13.3#





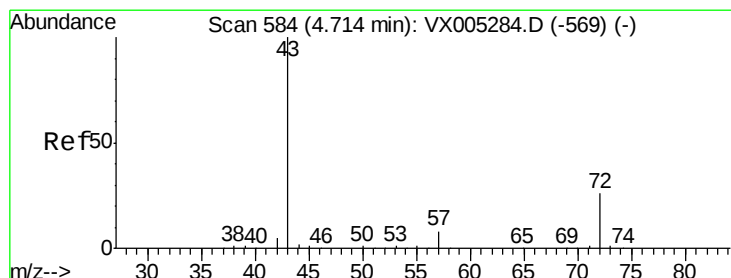
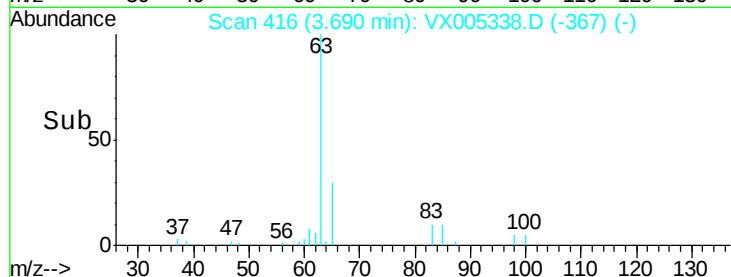
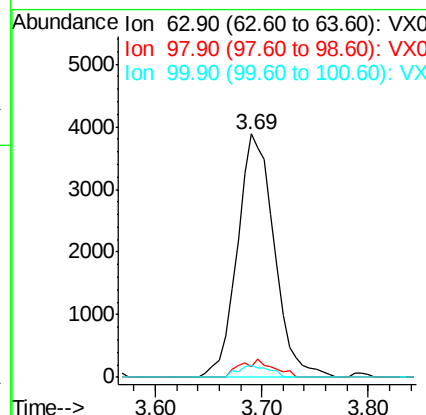
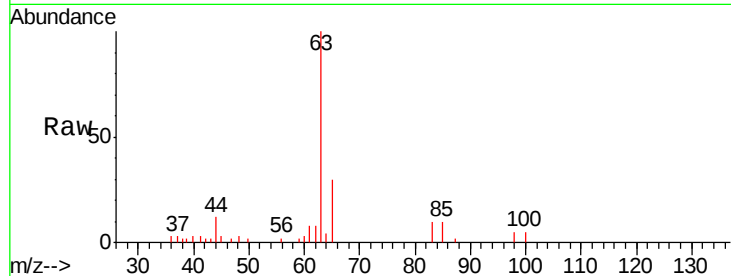
#24
 1,1-Dichloroethane
 Concen: 2.07 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	9446		
98	4.6		3.5	10.4
100	5.0		2.4	7.1

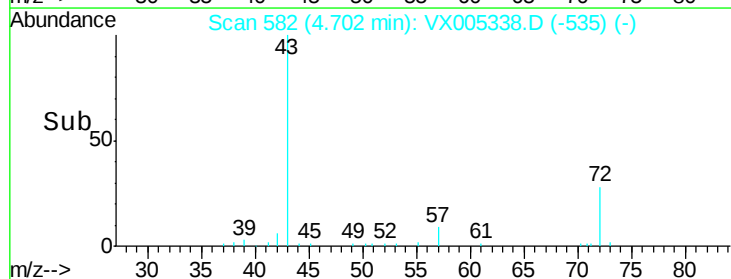
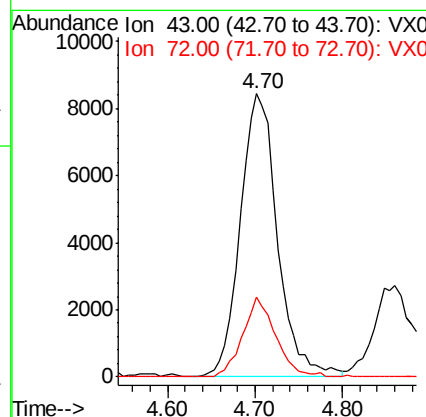
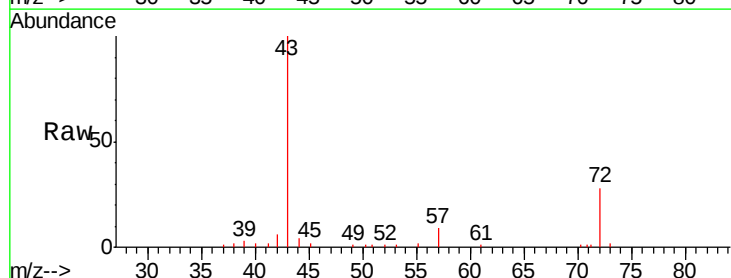
Manual Integrations
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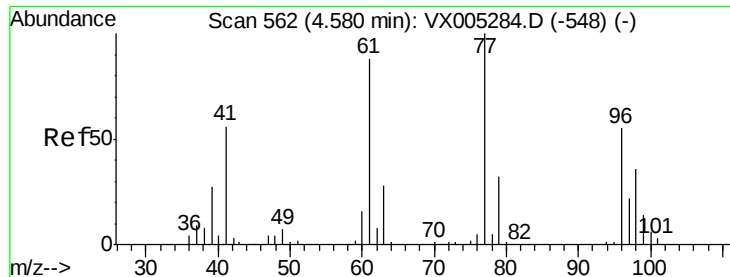
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#25
 2-Butanone
 Concen: 10.76 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	24954		
72	28.4		22.0	33.0





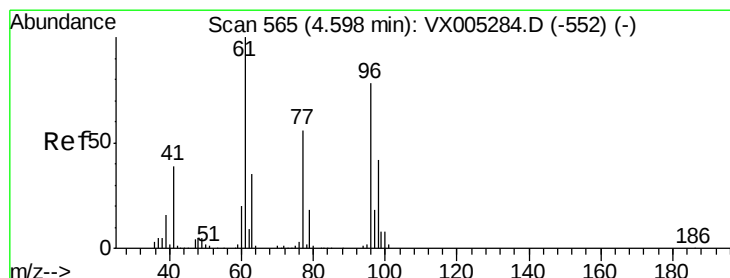
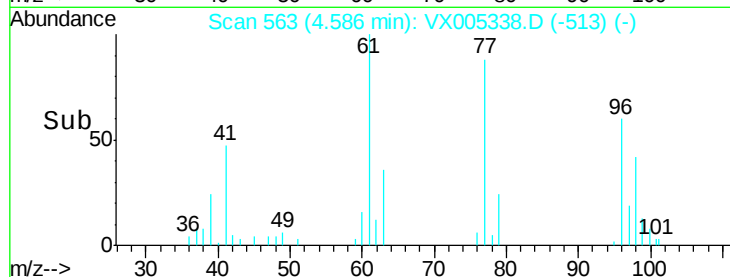
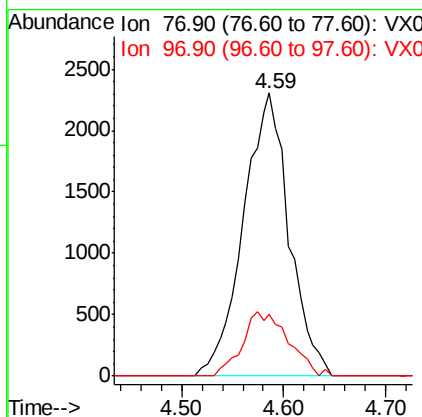
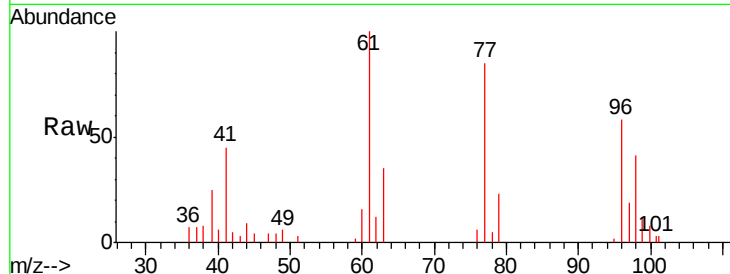
#26
 2,2-Dichloropropane
 Concen: 2.10 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 77 Resp: 7175
 Ion Ratio Lower Upper
 77 100
 97 22.8 11.7 35.0

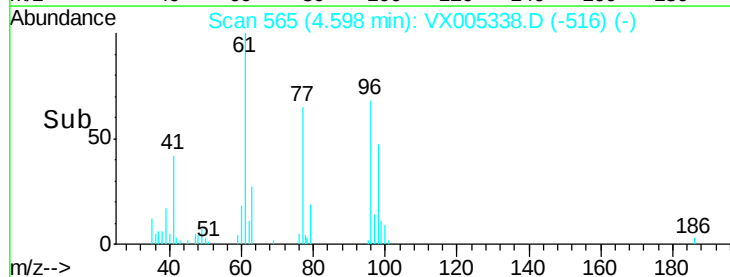
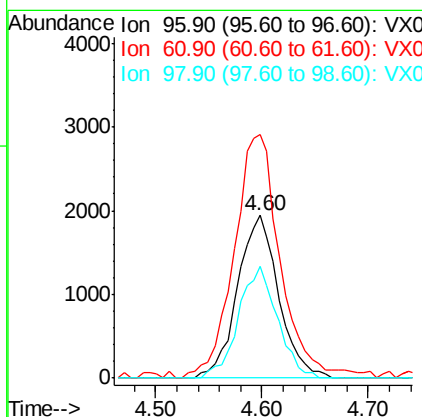
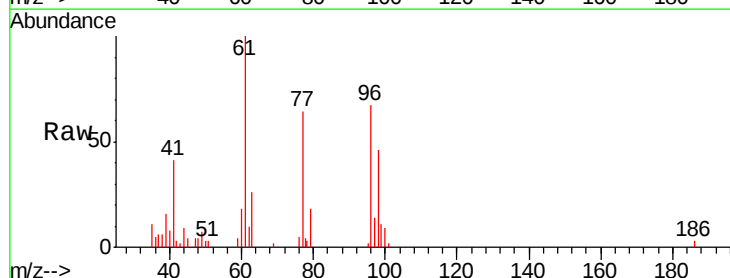
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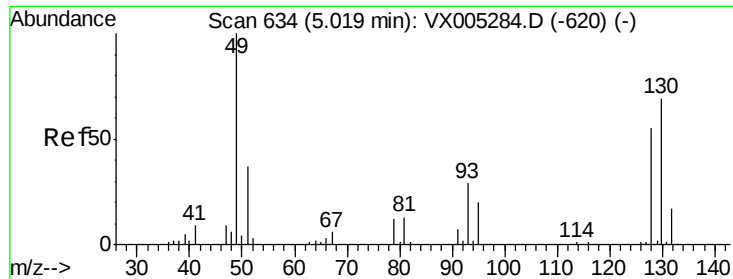
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 2.02 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 96 Resp: 5258
 Ion Ratio Lower Upper
 96 100
 61 169.5 0.0 282.6
 98 65.0 0.0 130.2





#28

Bromochloromethane

Concen: 2.01 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

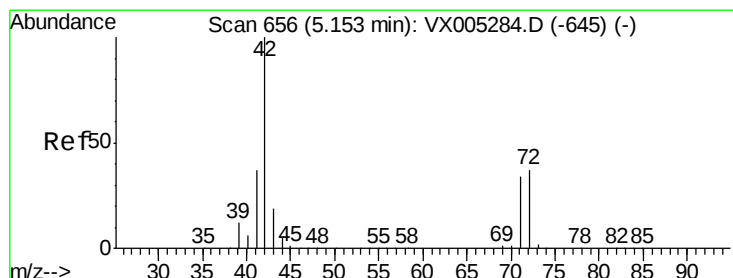
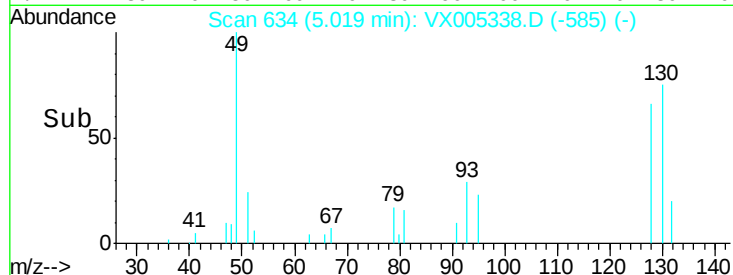
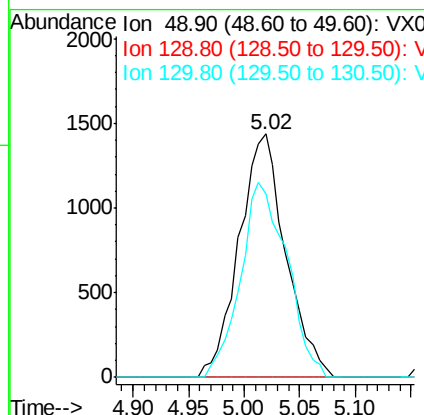
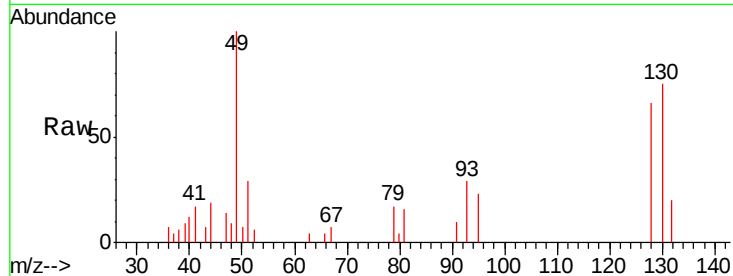
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 49 Resp: 4184
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 79.5 67.5 101.3

Manual Integrations
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 10/16/2018 2:36:43 PM



#29

Tetrahydrofuran

Concen: 9.86 ug/l

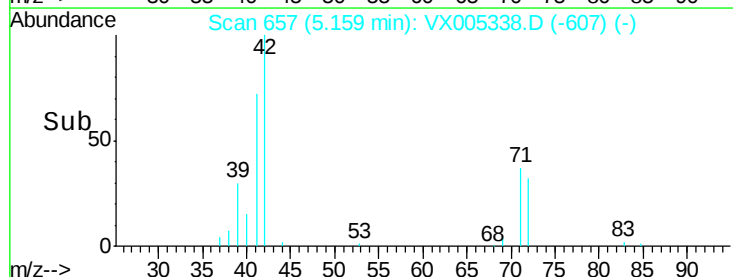
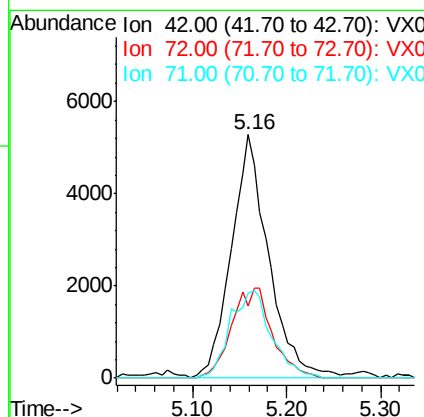
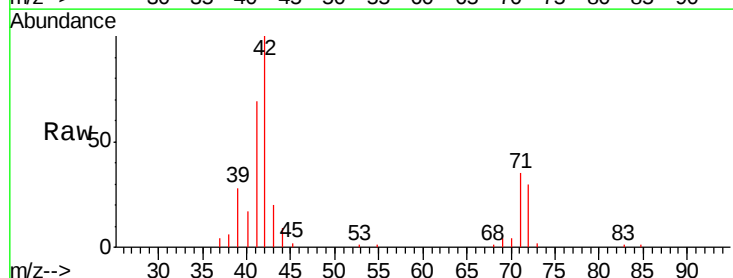
RT: 5.16 min Scan# 657

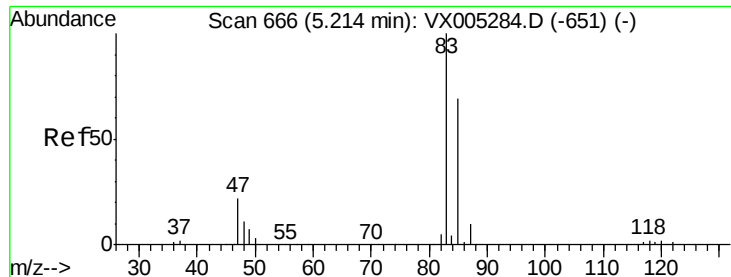
Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion: 42 Resp: 14575
 Ion Ratio Lower Upper
 42 100
 72 40.5 37.4 56.0
 71 39.7 34.5 51.7





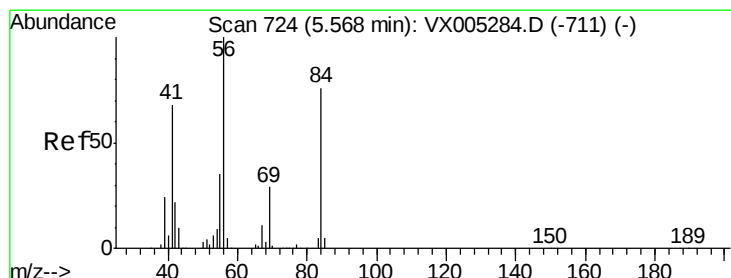
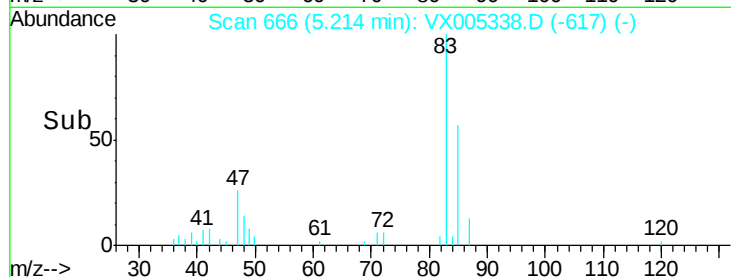
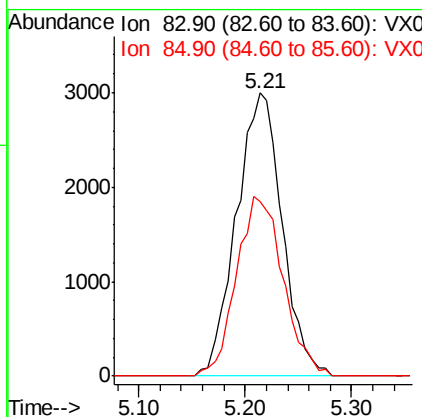
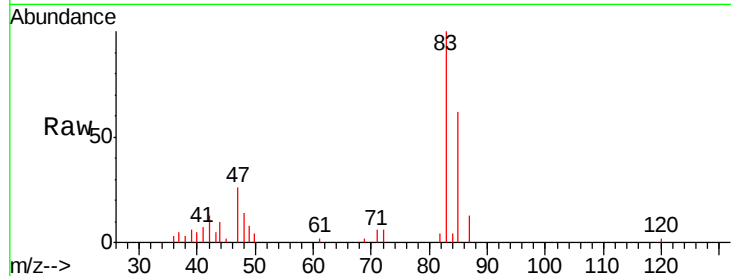
#30
Chloroform
Concen: 2.13 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 83 Resp: 9019
Ion Ratio Lower Upper
83 100
85 61.5 52.6 79.0

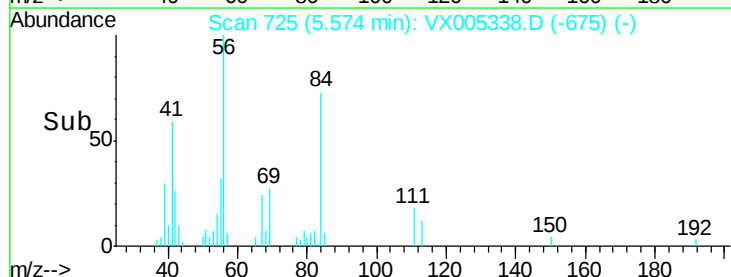
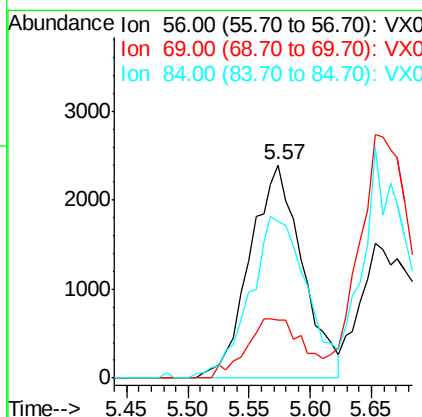
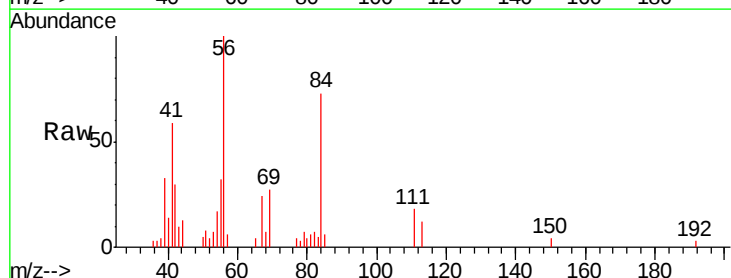
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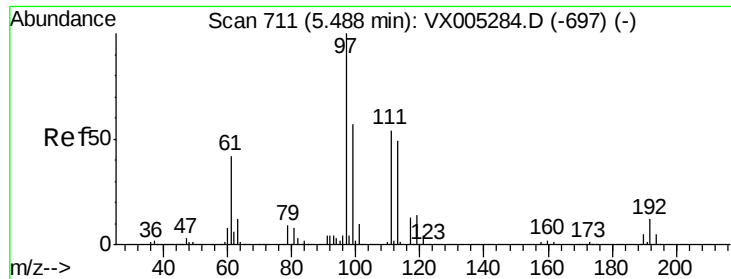
MMDadoda
10/16/2018 2:36:43 PM



#31
Cyclohexane
Concen: 1.89 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 56 Resp: 7133
Ion Ratio Lower Upper
56 100
69 27.2 25.4 38.2
84 73.4 71.4 107.2





#32

1,1,1-Trichloroethane

Concen: 2.13 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

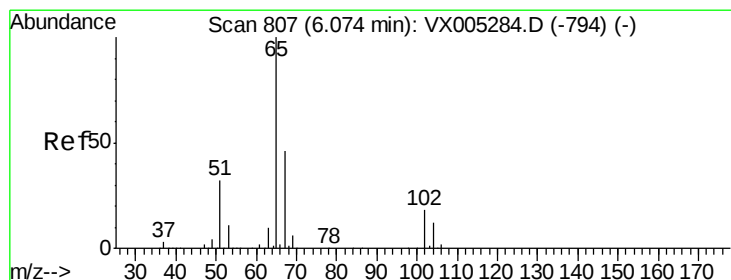
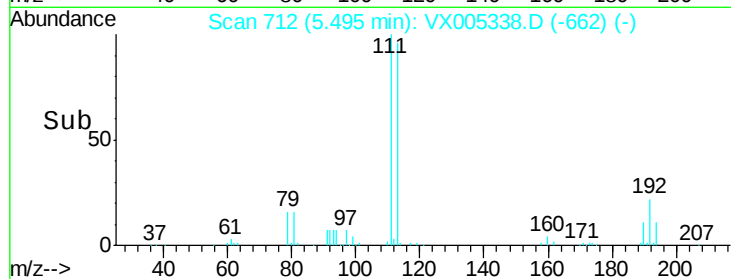
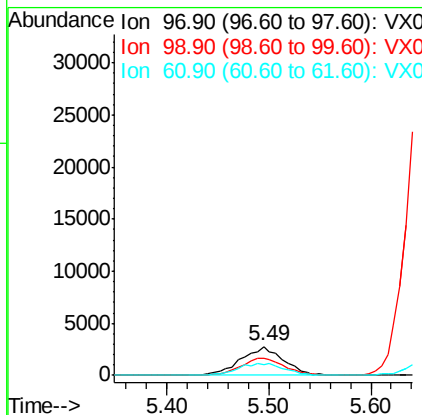
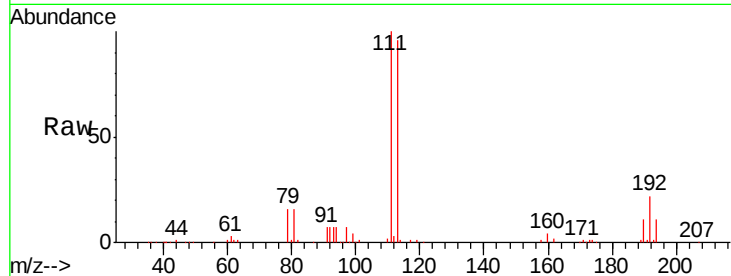
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	97	Resp:	7852
Ion	Ratio	Lower	Upper
97	100		
99	62.4	52.0	78.0
61	44.1	34.9	52.3

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#33

1,2-Dichloroethane-d4

Concen: 51.80 ug/l

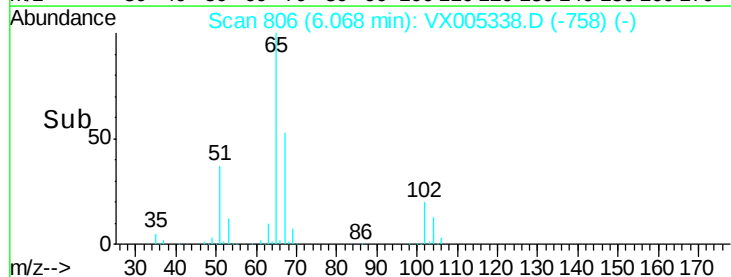
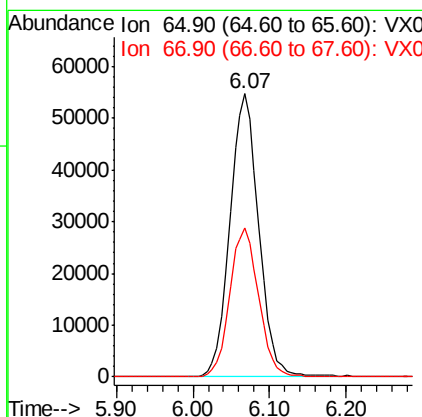
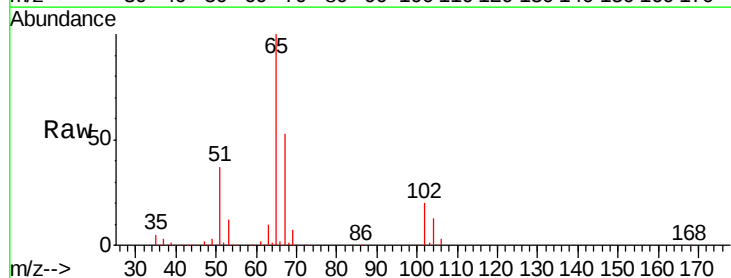
RT: 6.07 min Scan# 806

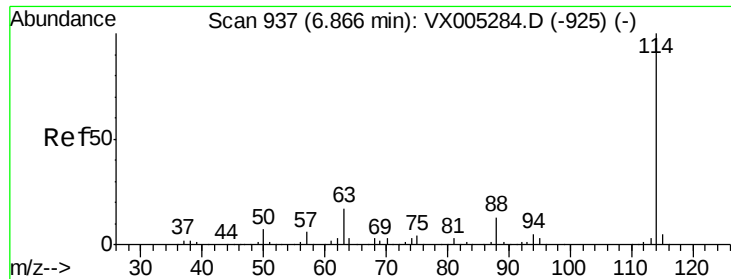
Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	65	Resp:	141970
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8





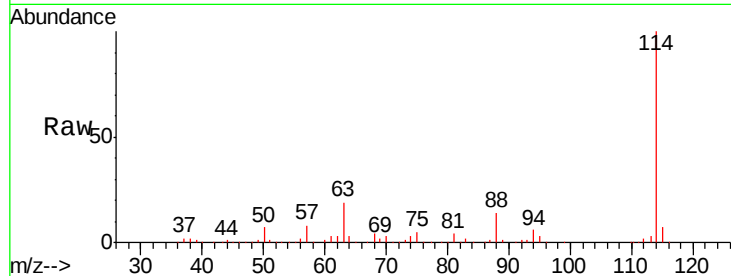
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

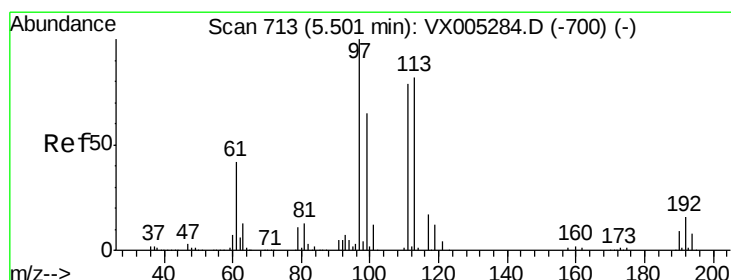
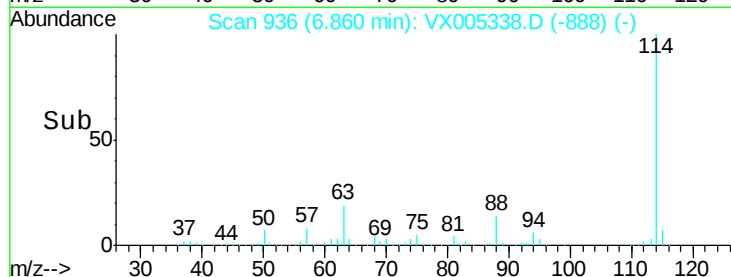
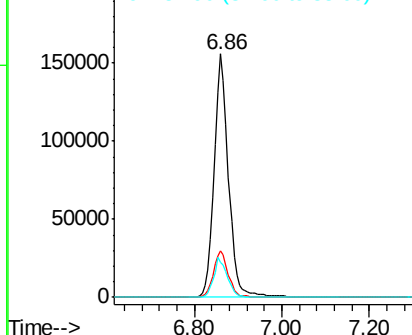
Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358167		
63	19.2	0.0	39.0	
88	14.5	0.0	30.4	

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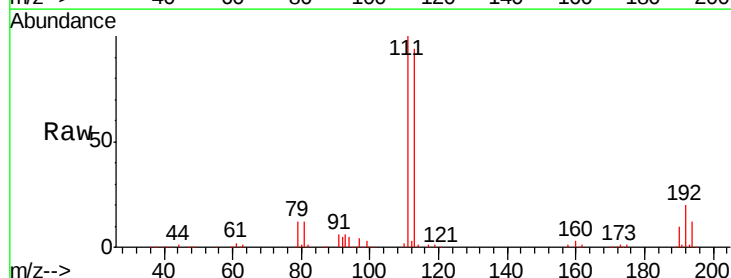


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

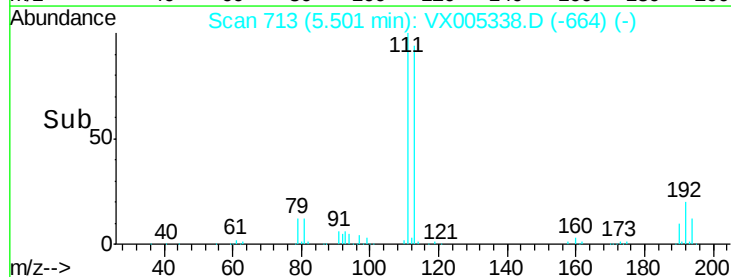
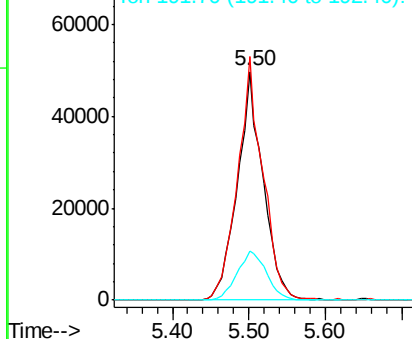


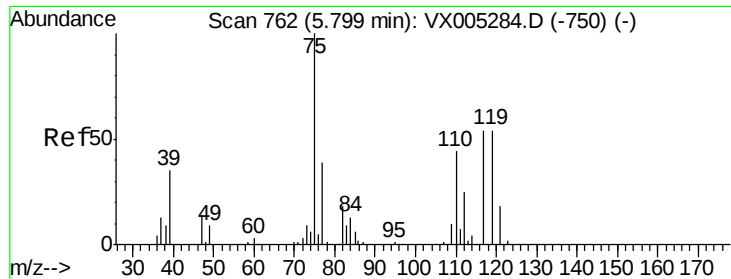
#35
Dibromofluoromethane
Concen: 48.95 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	116113		
111	104.1	82.4	123.6	
192	24.5	19.4	29.2	



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 1.80 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

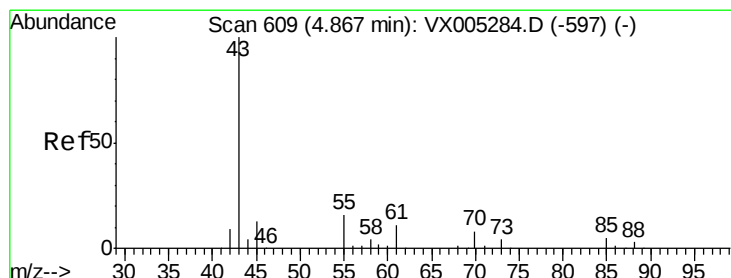
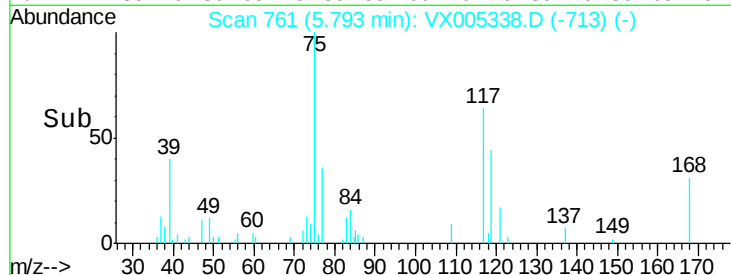
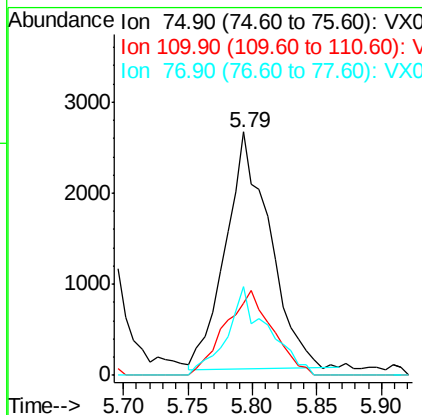
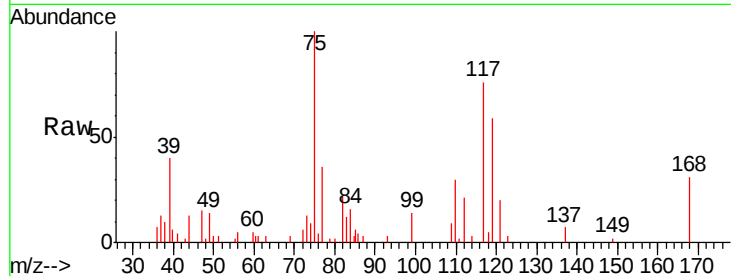
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	75	Resp:	6229
Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.0	54.0
77	34.6	24.6	36.8

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#37

Ethyl Acetate

Concen: 1.83 ug/l

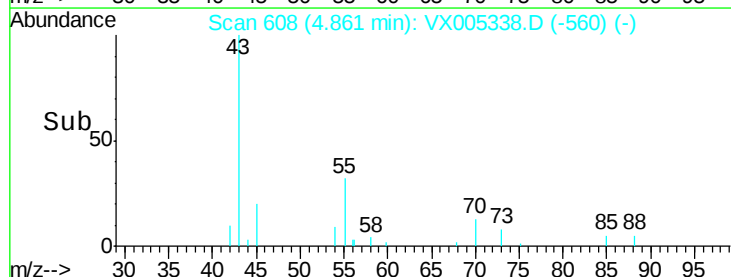
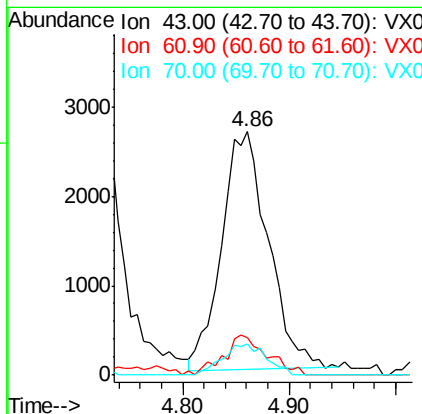
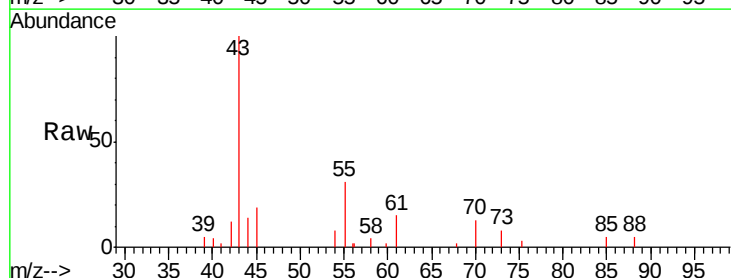
RT: 4.86 min Scan# 608

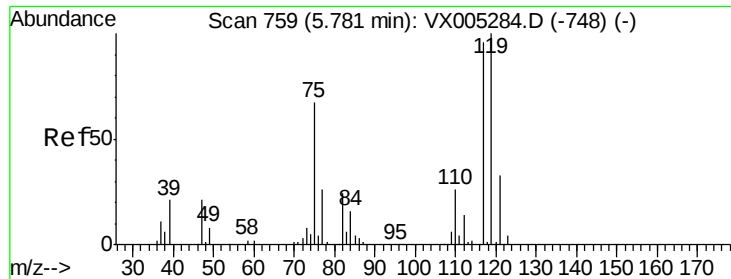
Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	43	Resp:	8147
Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.5	17.3
70	12.2	9.0	13.6





#38

Carbon Tetrachloride

Concen: 1.93 ug/l

RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

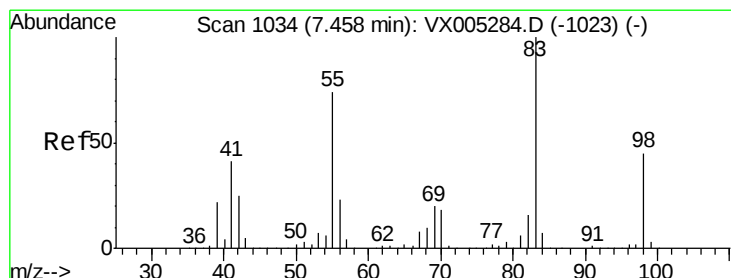
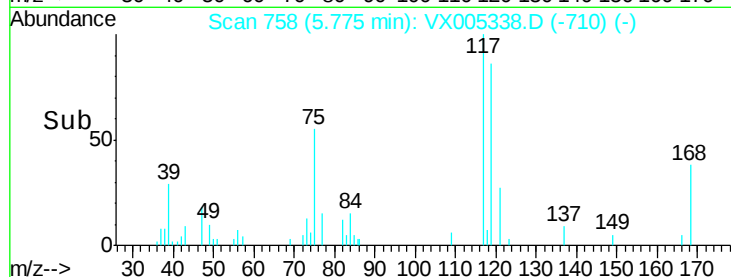
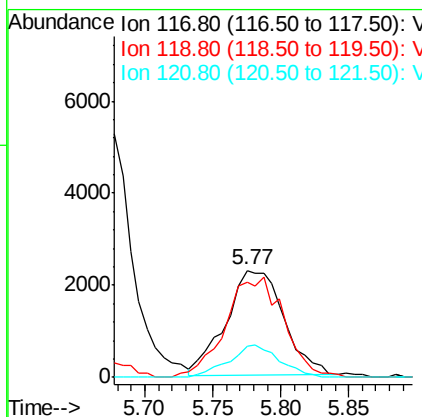
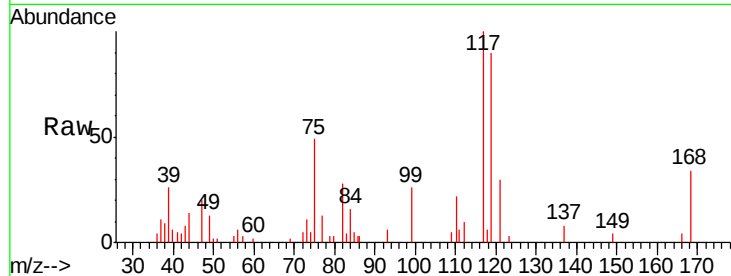
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	117	Resp:	6742
Ion	Ratio	Lower	Upper
117	100		
119	89.4	78.8	118.2
121	30.4	24.9	37.3

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#39

Methylcyclohexane

Concen: 1.83 ug/l

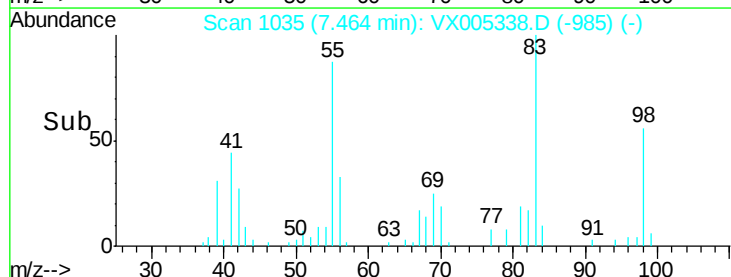
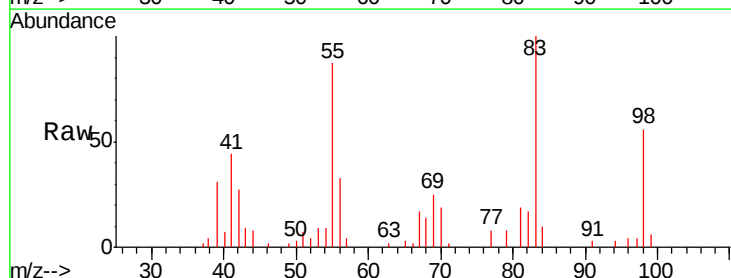
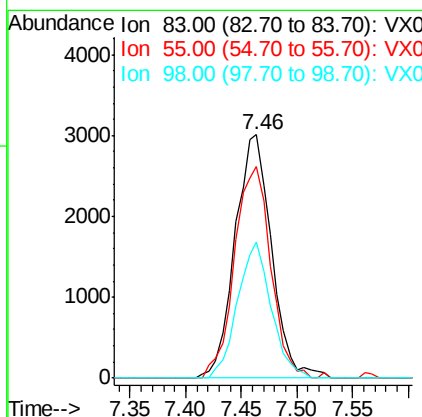
RT: 7.46 min Scan# 1035

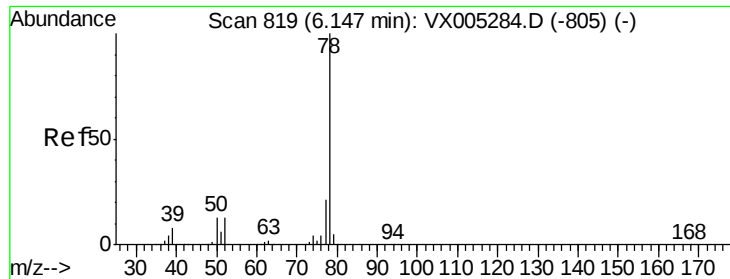
Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	83	Resp:	6877
Ion	Ratio	Lower	Upper
83	100		
55	86.7	61.0	91.4
98	56.1	39.6	59.4





#40

Benzene

Concen: 1.89 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 78 Resp: 19628

Ion Ratio Lower Upper

78 100

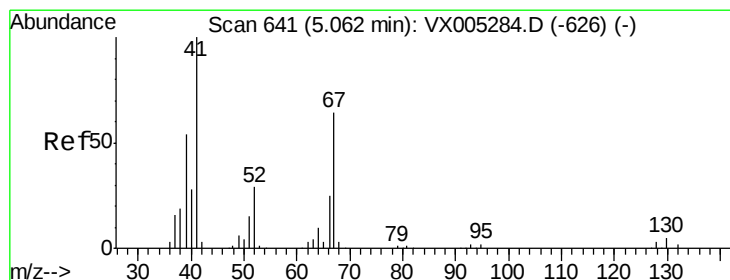
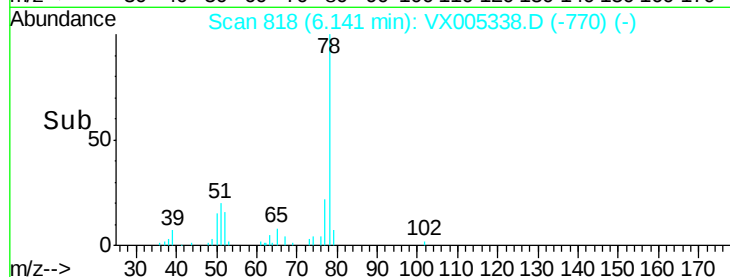
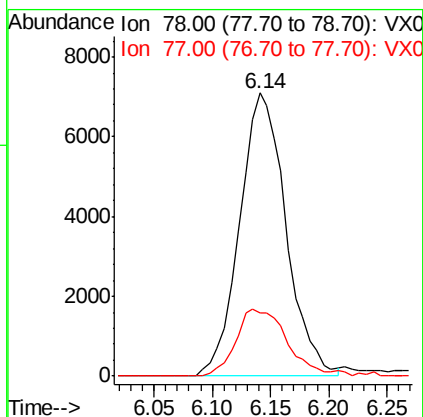
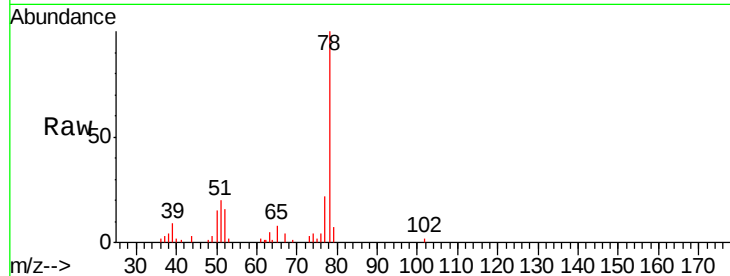
77 22.3 19.0 28.4

Manual Integrations

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#41

Methacrylonitrile

Concen: 1.81 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion: 41 Resp: 4338

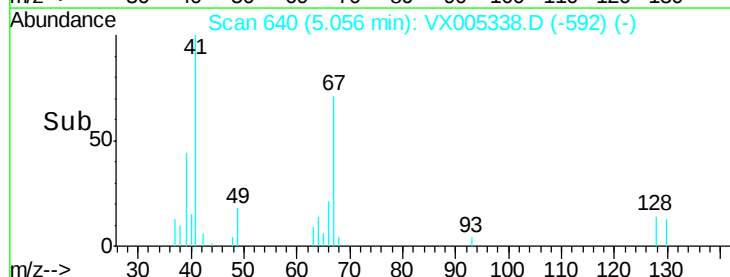
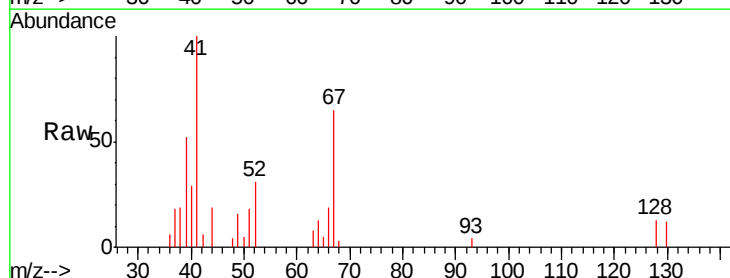
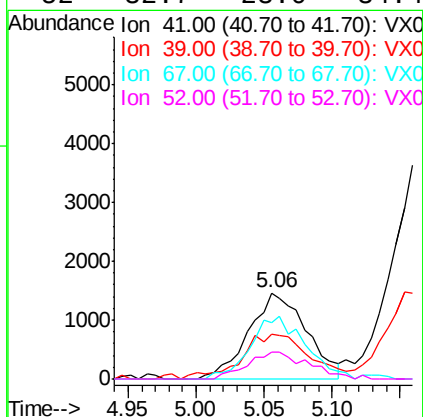
Ion Ratio Lower Upper

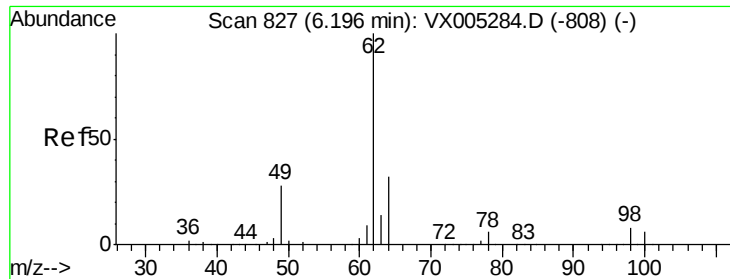
41 100

39 60.6 42.4 63.6

67 68.6 59.2 88.8

52 32.7 23.0 34.4





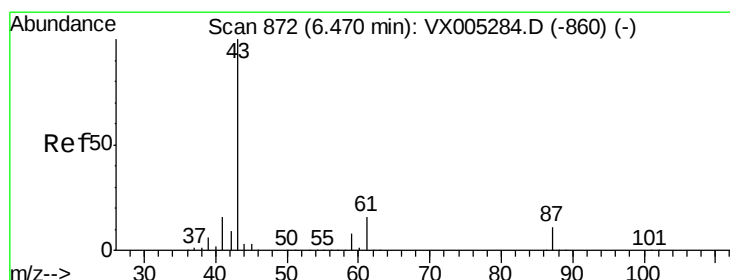
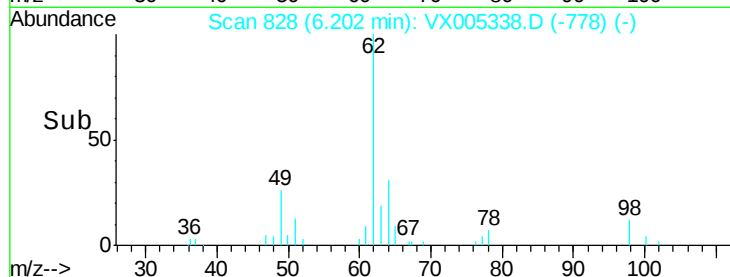
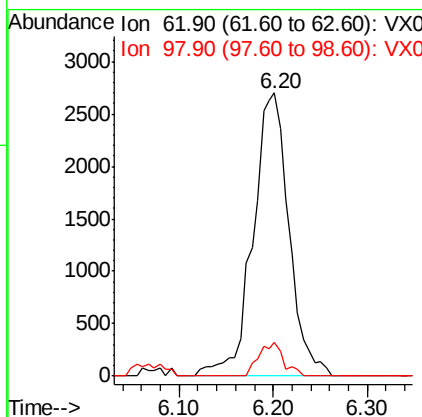
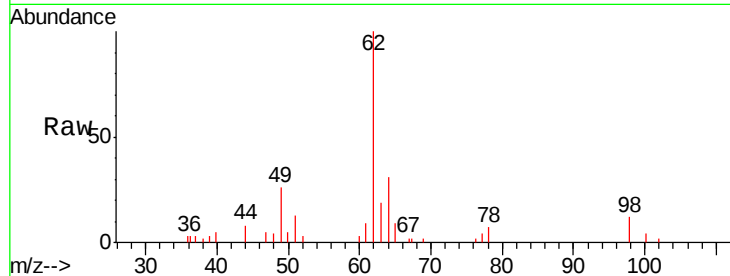
#42
 1,2-Dichloroethane
 Concen: 1.97 ug/l
 RT: 6.20 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	20.6

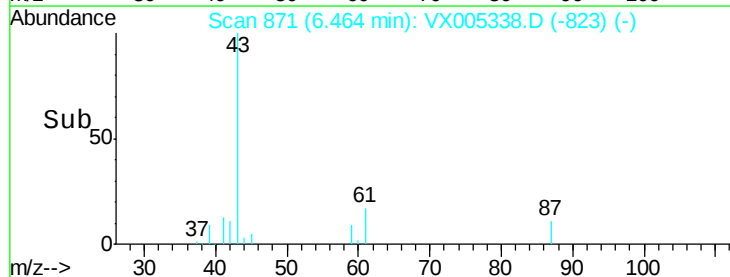
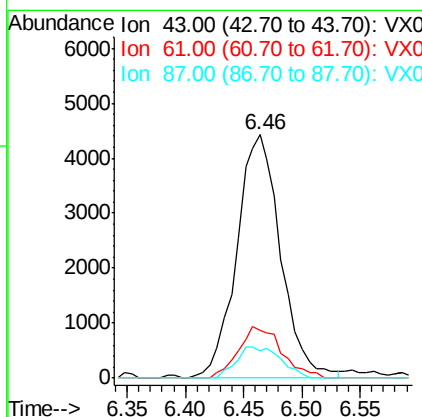
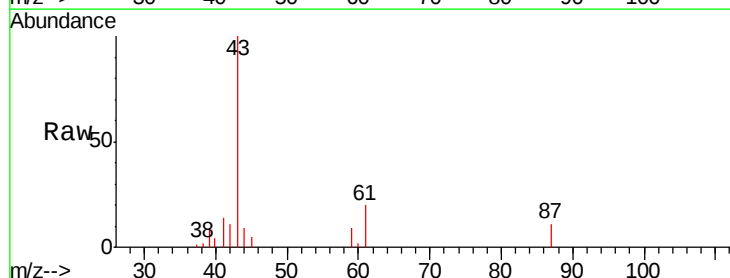
Manual Integrations
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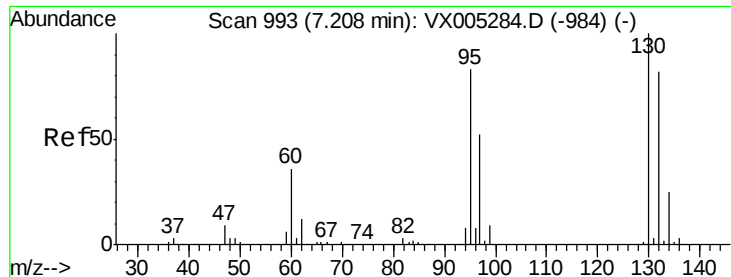
MMDadoda
 10/16/2018 2:36:43 PM



#43
 Isopropyl Acetate
 Concen: 1.96 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	12.8	11.4	17.2





#44

Trichloroethene

Concen: 1.91 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 130 Resp: 5708

Ion Ratio Lower Upper

130 100

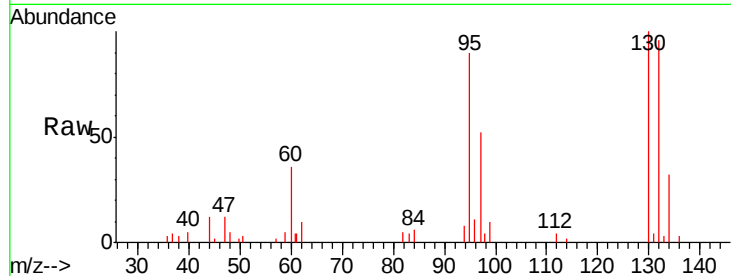
95 90.2 0.0 181.6

Manual Integrations

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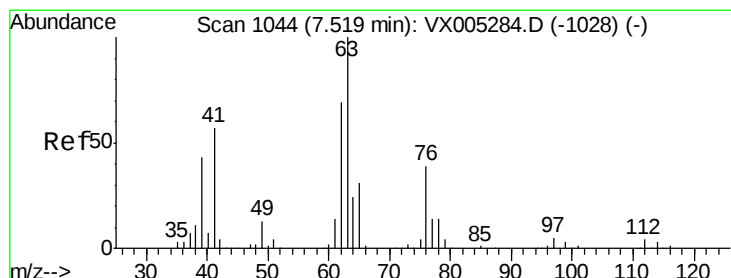
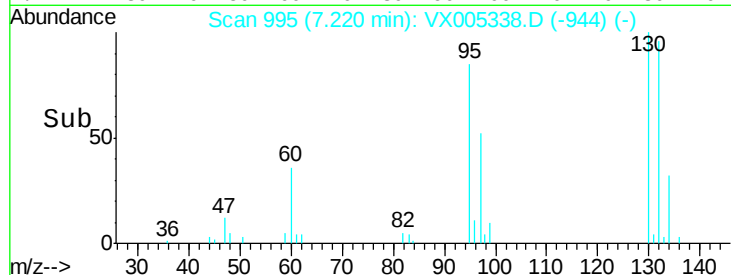
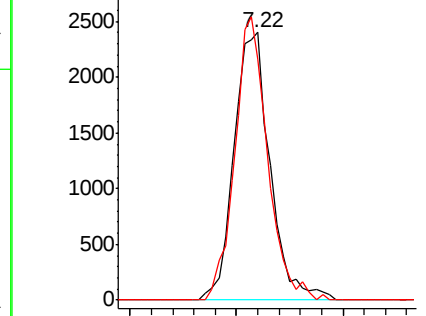
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 2.07 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005338.D

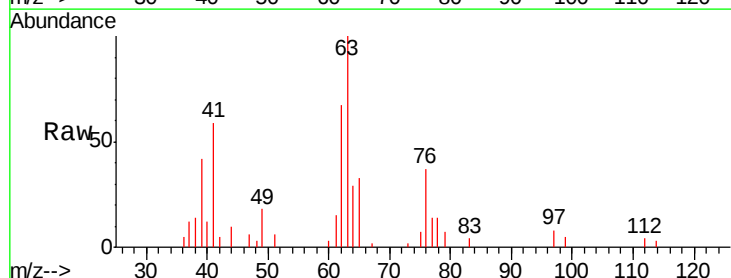
Acq: 15 Oct 2018 12:48

Tgt Ion: 63 Resp: 5277

Ion Ratio Lower Upper

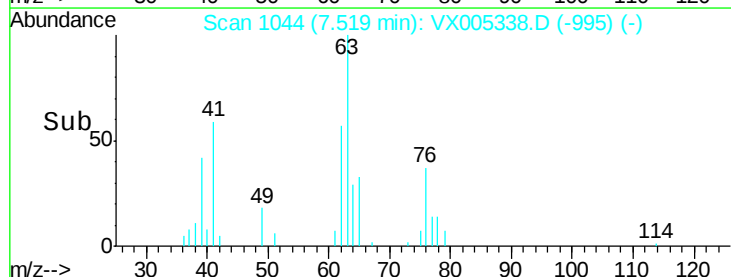
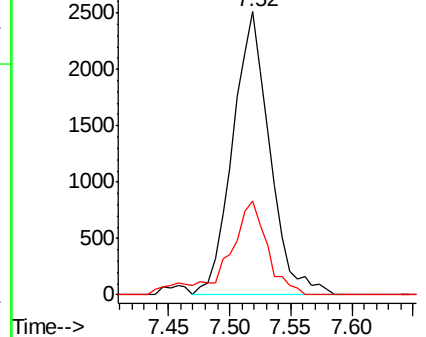
63 100

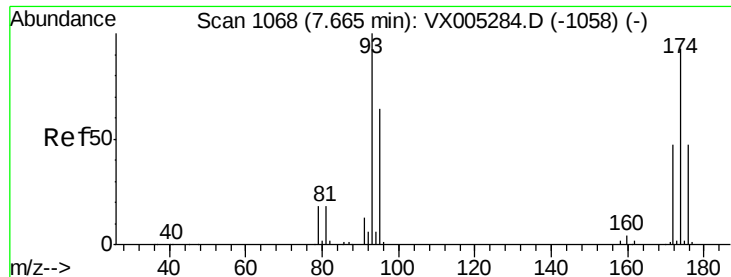
65 33.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





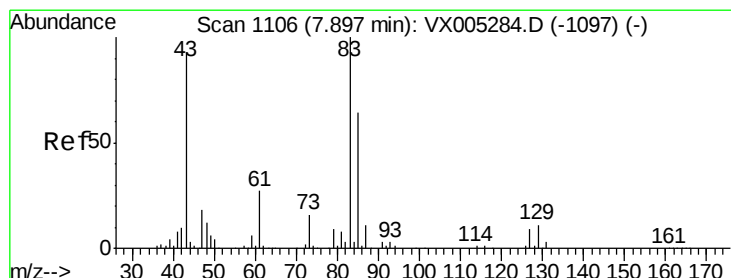
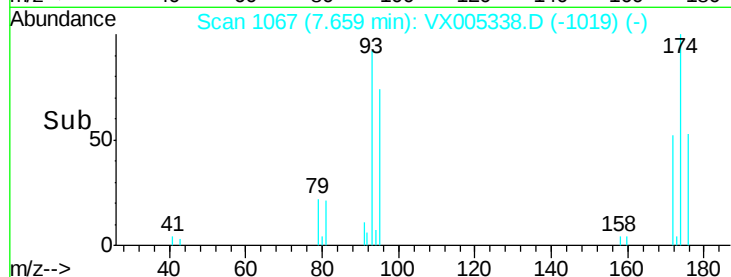
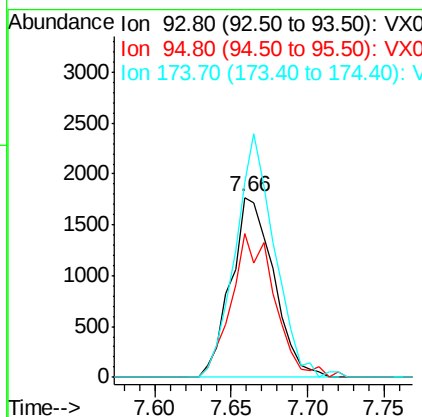
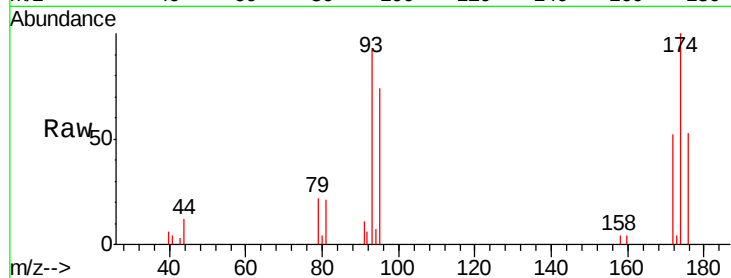
#46
Dibromomethane
Concen: 2.04 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 93 Resp: 3431
Ion Ratio Lower Upper
93 100
95 80.9 65.5 98.3
174 124.0 94.2 141.4

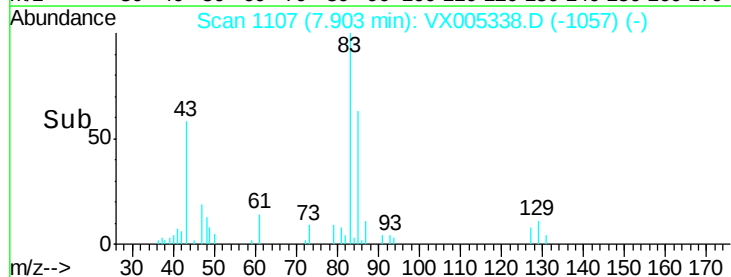
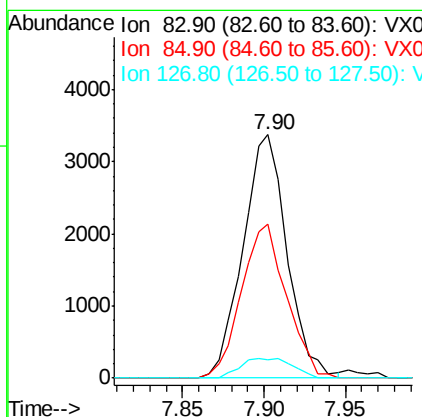
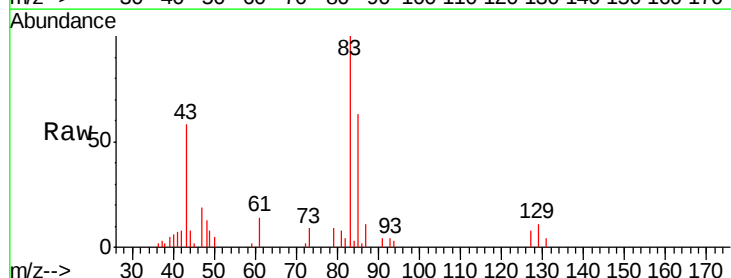
Manual Integrations
APPROVED

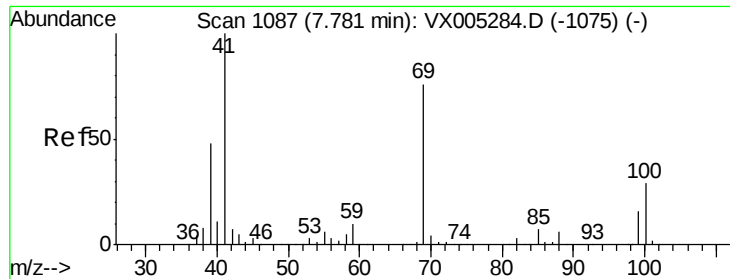
MMDadoda
10/16/2018 2:36:43 PM



#47
Bromodichloromethane
Concen: 2.03 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 83 Resp: 6329
Ion Ratio Lower Upper
83 100
85 63.1 50.9 76.3
127 7.7 7.3 10.9





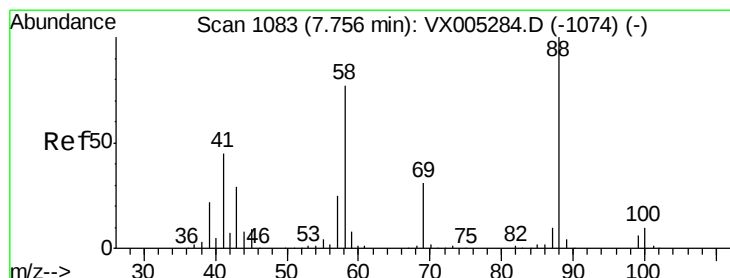
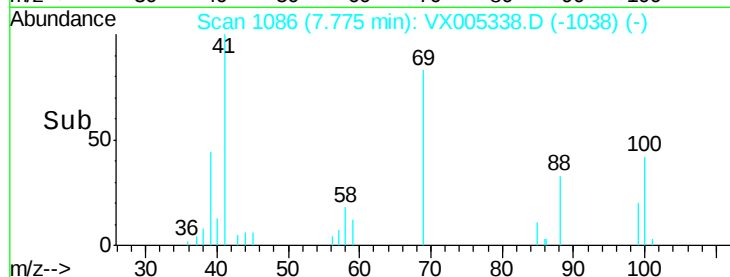
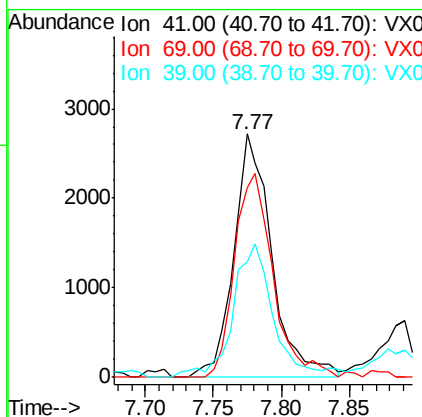
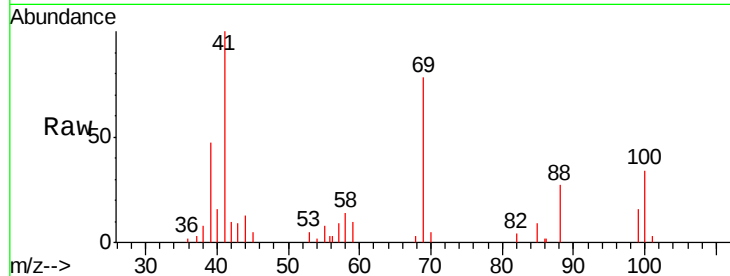
#48
Methyl methacrylate
Concen: 1.72 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 41 Resp: 5306
Ion Ratio Lower Upper
41 100
69 84.7 70.2 105.4
39 56.8 42.7 64.1

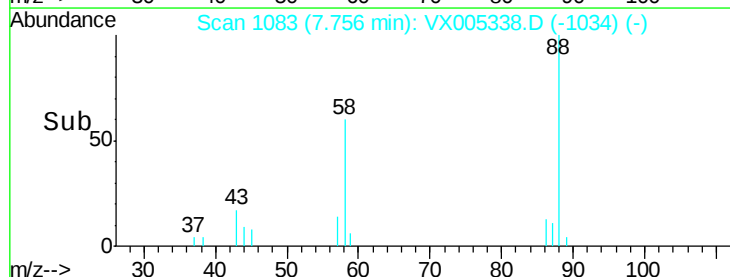
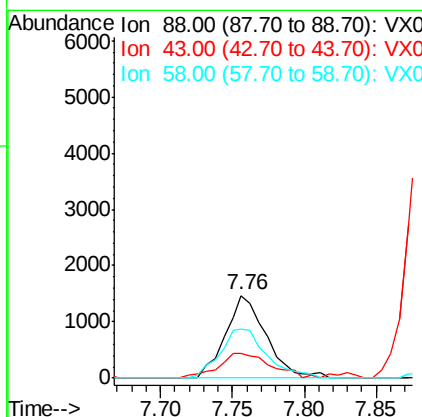
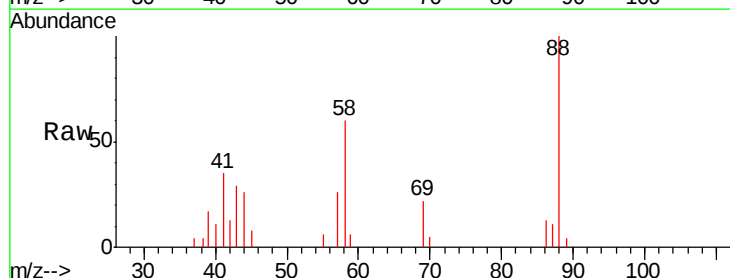
Manual Integrations
APPROVED

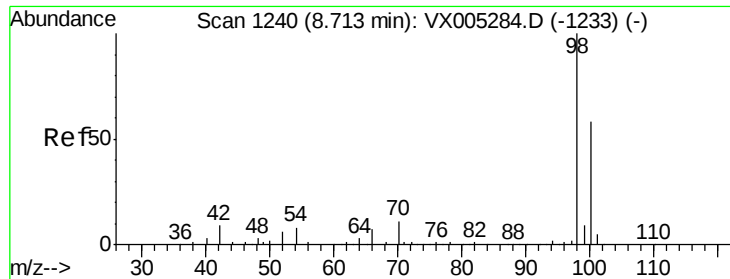
MMDadoda
10/16/2018 2:36:43 PM



#49
1,4-Dioxane
Concen: 40.33 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 88 Resp: 2867
Ion Ratio Lower Upper
88 100
43 38.9 24.7 37.1#
58 68.1 55.3 82.9





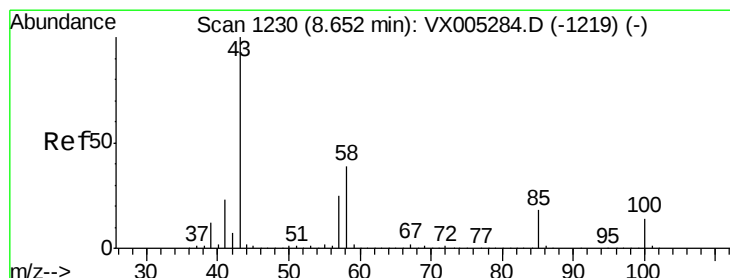
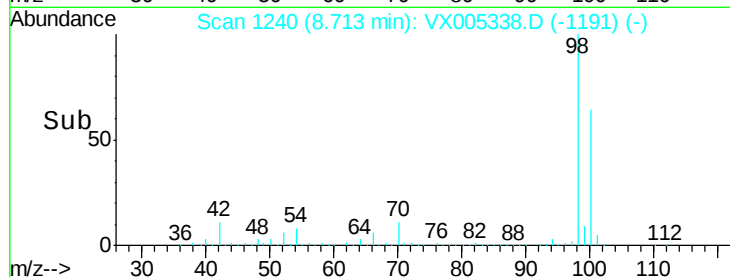
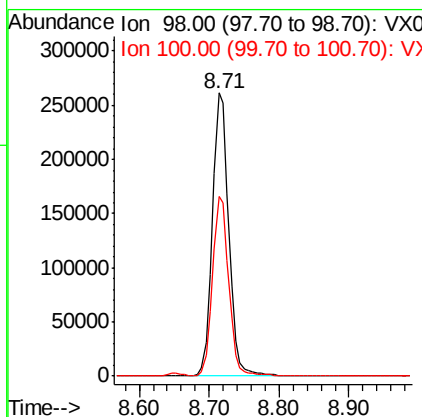
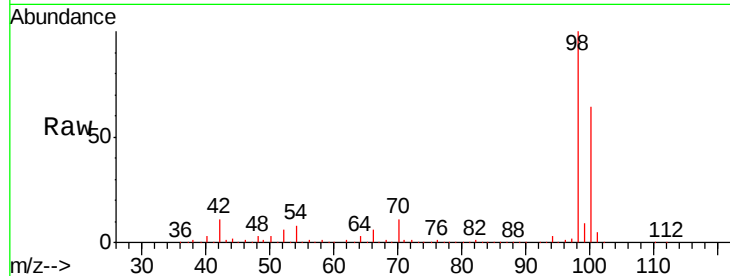
#50
Toluene-d8
Concen: 52.03 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 98 Resp: 423702
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3

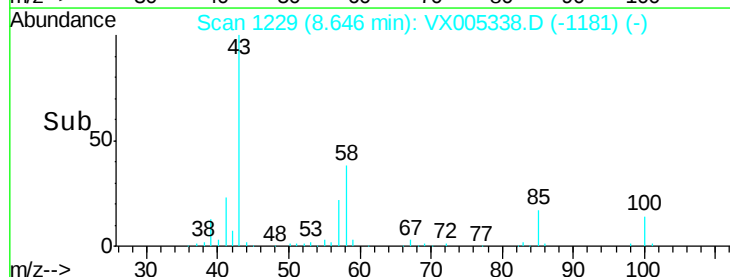
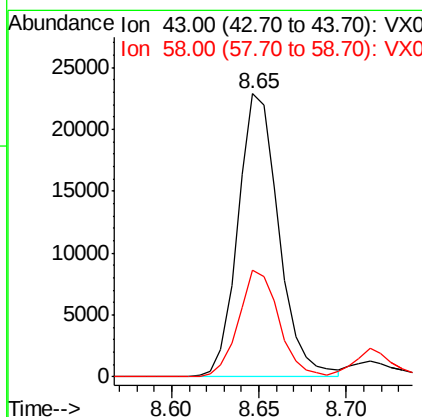
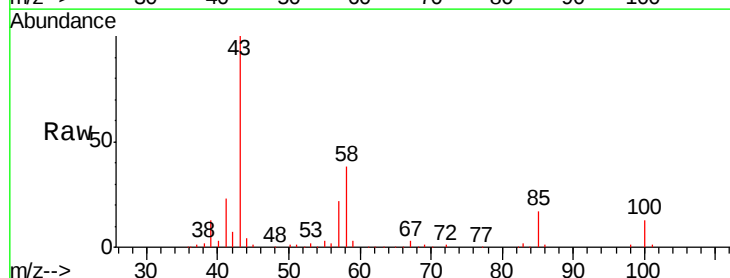
Manual Integrations
APPROVED

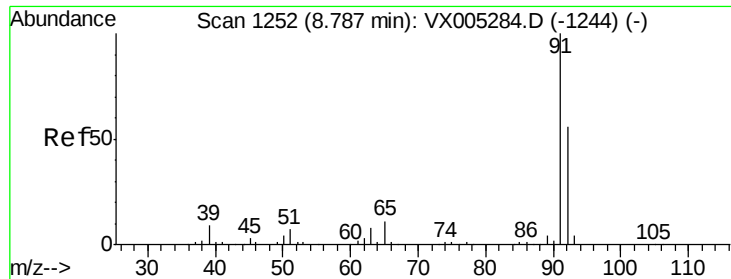
MMDadoda
10/16/2018 2:36:43 PM



#51
4-Methyl-2-Pentanone
Concen: 9.03 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 43 Resp: 37150
Ion Ratio Lower Upper
43 100
58 37.2 33.1 49.7





#52

Toluene

Concen: 2.23 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion: 92 Resp: 12708

Ion Ratio Lower Upper

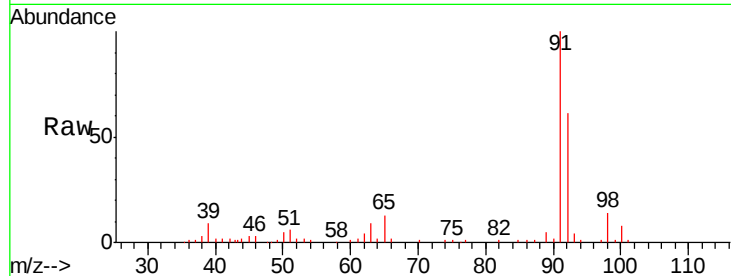
92 100

91 165.7 136.4 204.6

Manual Integrations
APPROVED

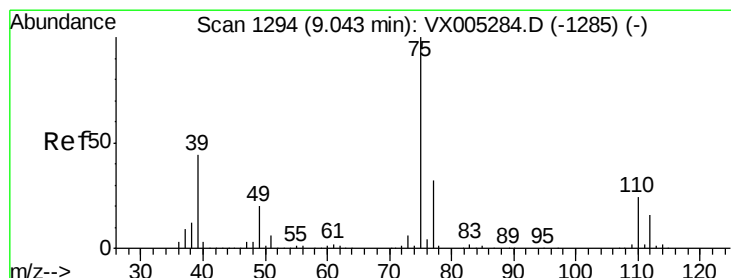
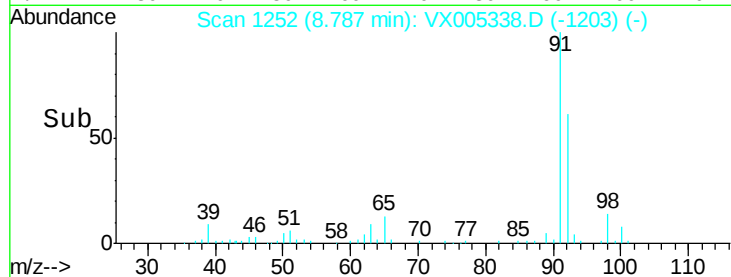
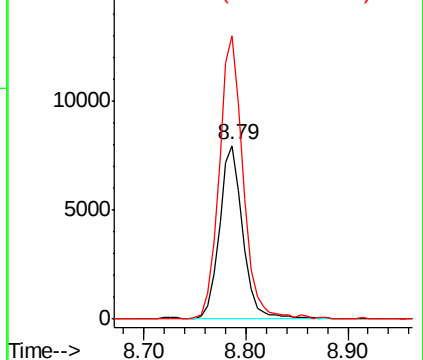
MMDadoda

10/16/2018 2:36:43 PM



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: 1.89 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005338.D

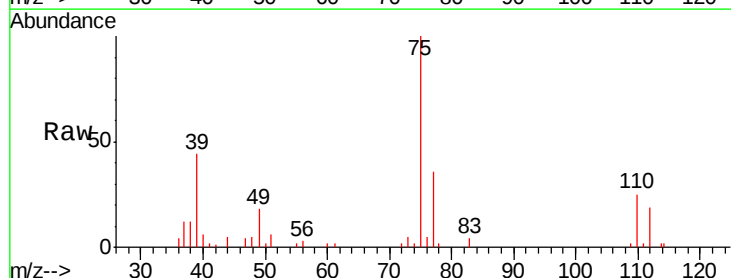
Acq: 15 Oct 2018 12:48

Tgt Ion: 75 Resp: 6374

Ion Ratio Lower Upper

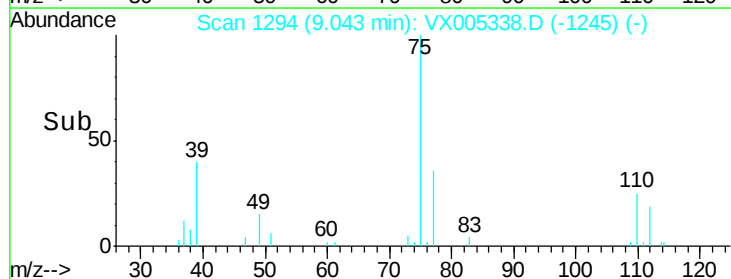
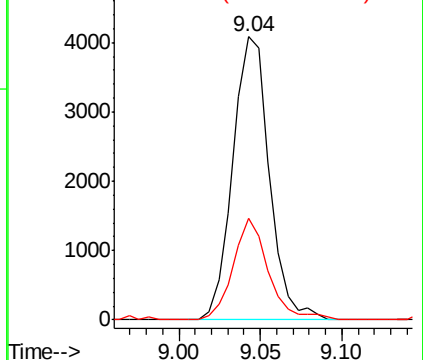
75 100

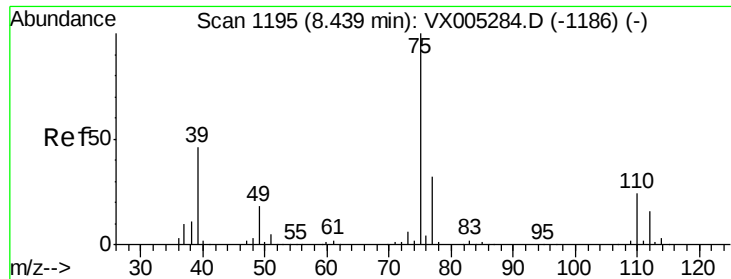
77 35.8 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

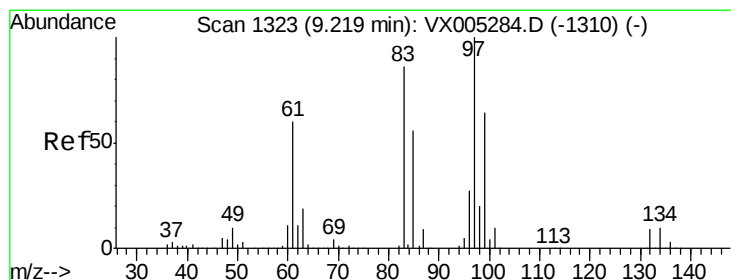
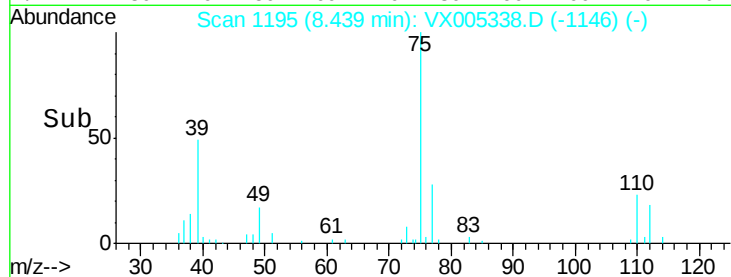
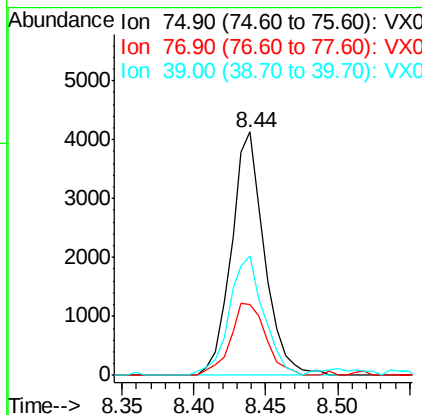
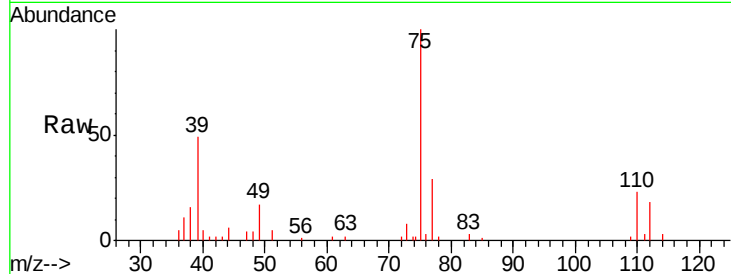
cis-1,3-Dichloropropene
 Concen: 1.81 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.0	26.2	39.2
39	48.8	36.4	54.6

Manual Integrations
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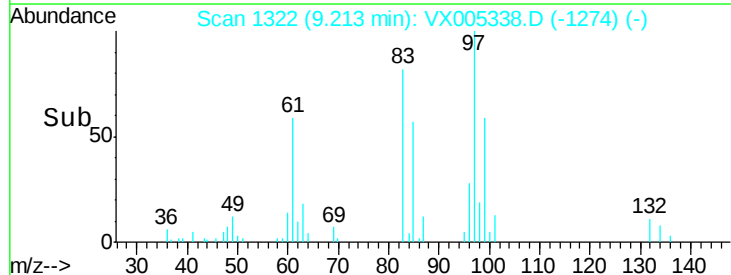
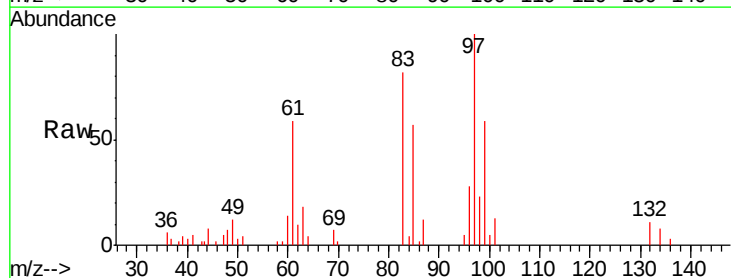
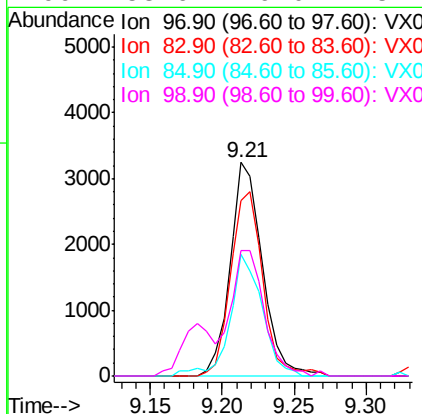
MMDadoda
 10/16/2018 2:36:43 PM

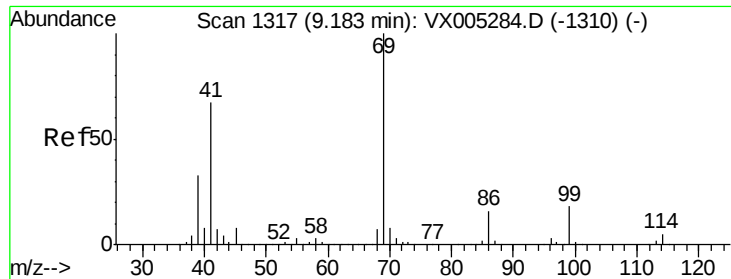


#55

1,1,2-Trichloroethane
 Concen: 2.10 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.4	99.6
85	56.8	43.3	64.9
99	58.6	49.0	73.4





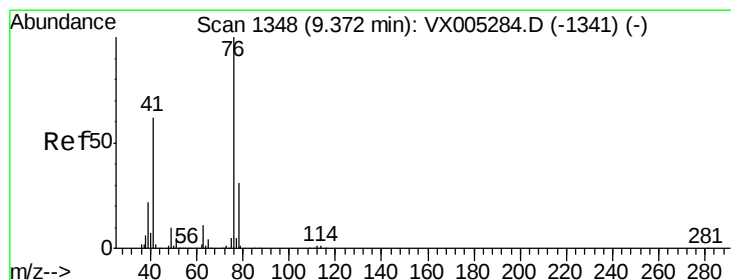
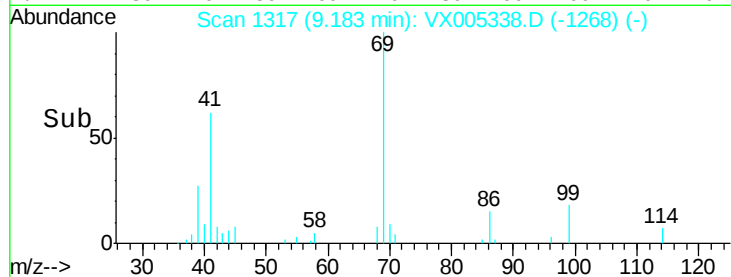
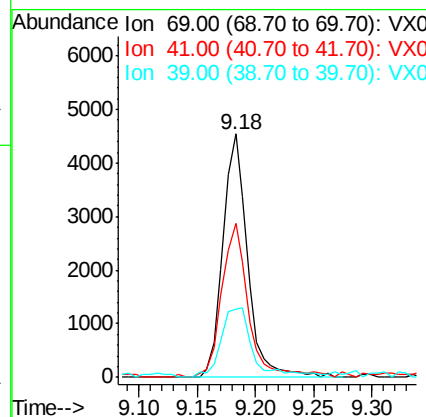
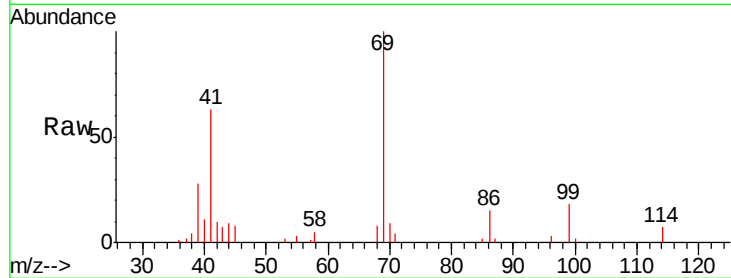
#56
Ethyl methacrylate
Concen: 1.89 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.0	76.4
39	37.3	26.1	39.1

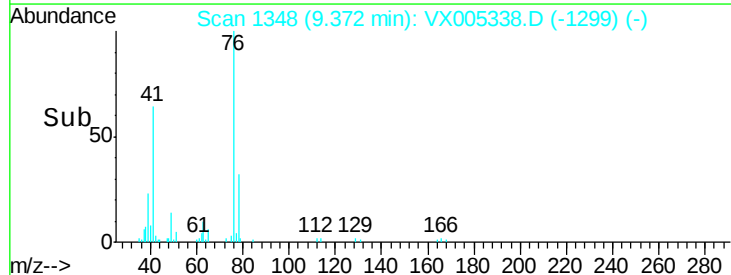
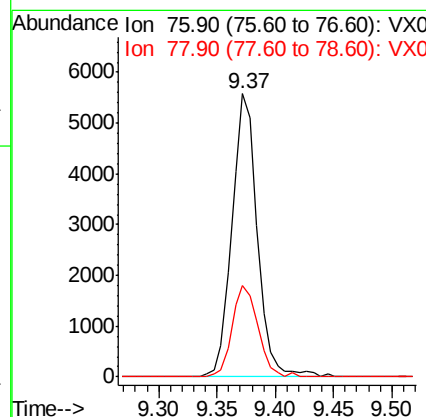
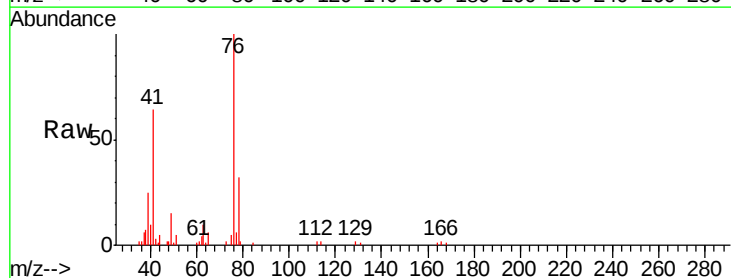
Manual Integrations
APPROVED

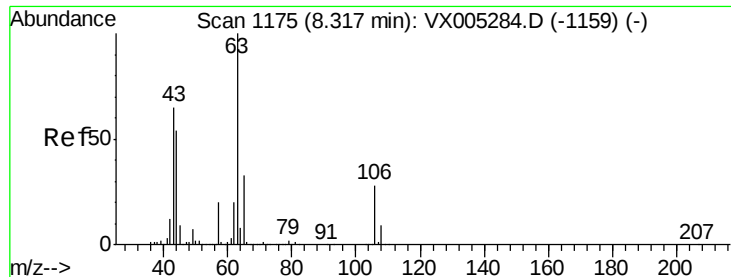
MMDadoda
10/16/2018 2:36:43 PM



#57
1,3-Dichloropropane
Concen: 2.10 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3





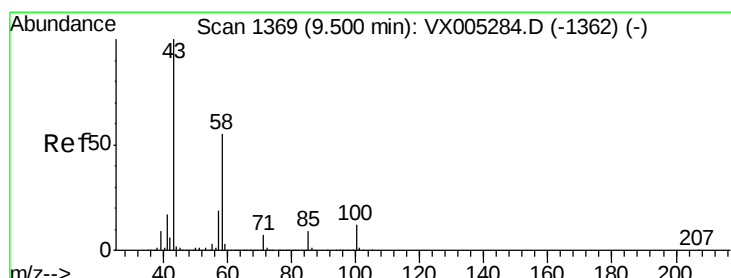
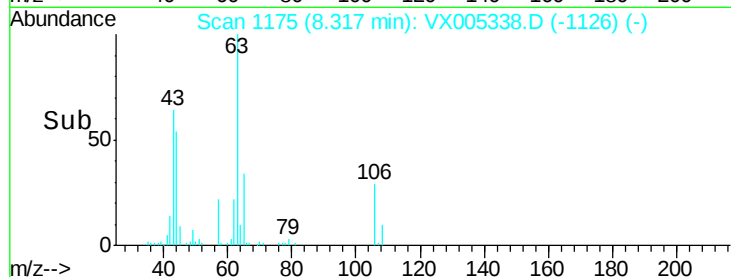
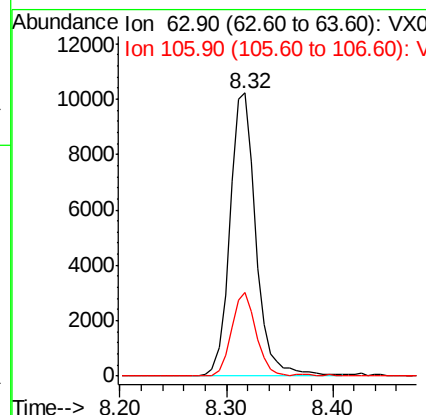
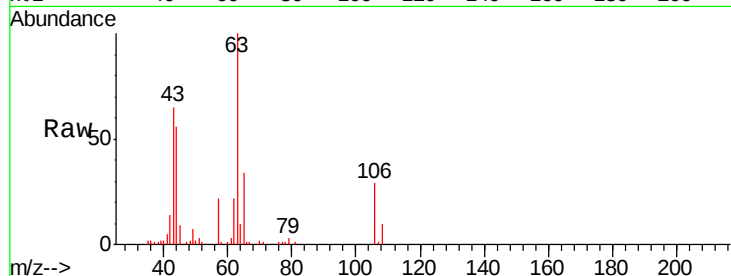
#58
2-Chloroethyl Vinyl ether
Concen: 8.88 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 63 Resp: 17502
Ion Ratio Lower Upper
63 100
106 27.8 23.9 35.9

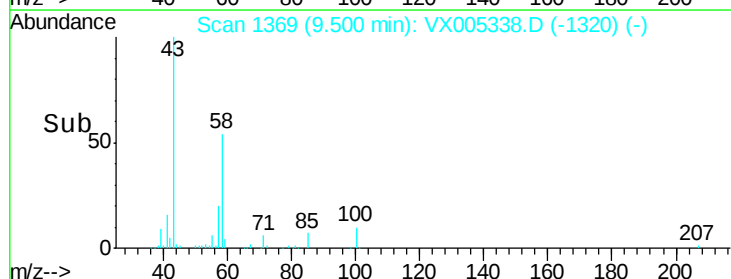
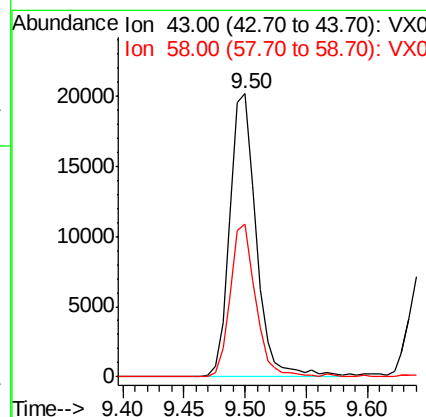
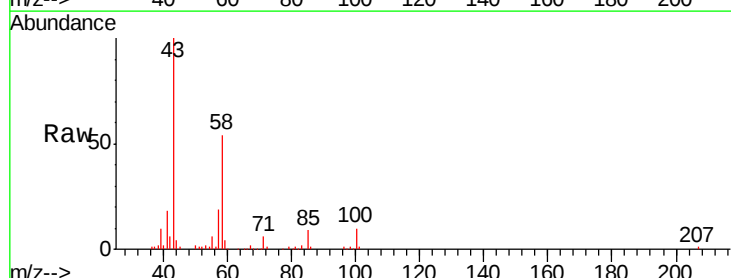
Manual Integrations
APPROVED

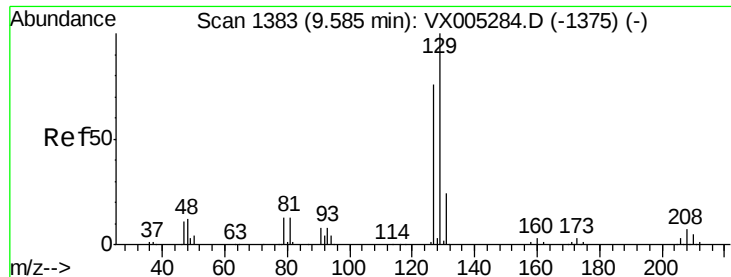
MMDadoda
10/16/2018 2:36:43 PM



#59
2-Hexanone
Concen: 9.11 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 43 Resp: 30146
Ion Ratio Lower Upper
43 100
58 51.8 29.0 87.0





#60

Dibromochloromethane

Concen: 1.95 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:129 Resp: 4861

Ion Ratio Lower Upper

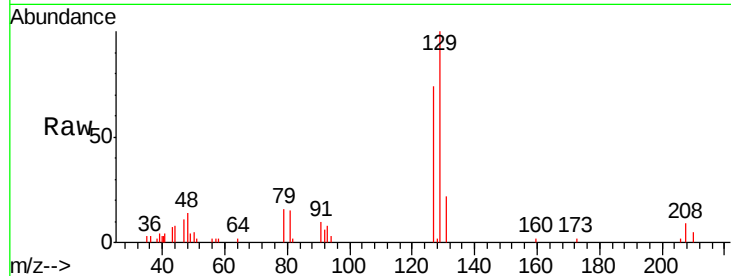
129 100

127 77.0 38.5 115.5

Manual Integrations
APPROVED

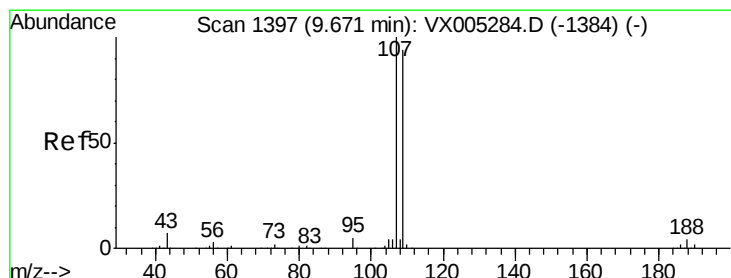
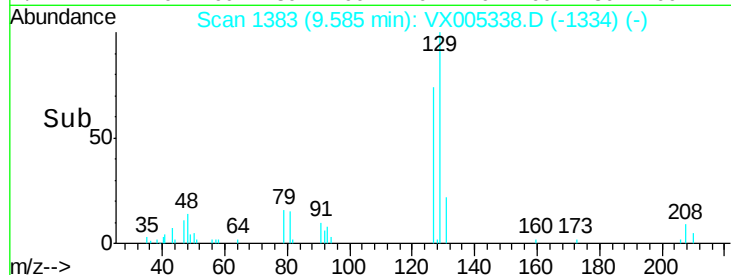
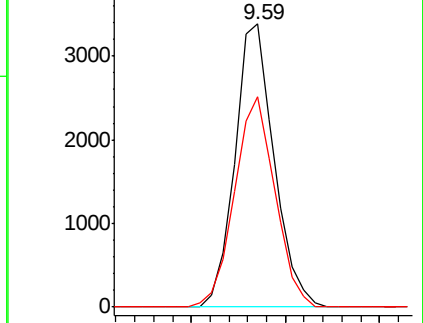
MMDadoda

10/16/2018 2:36:43 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.98 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005338.D

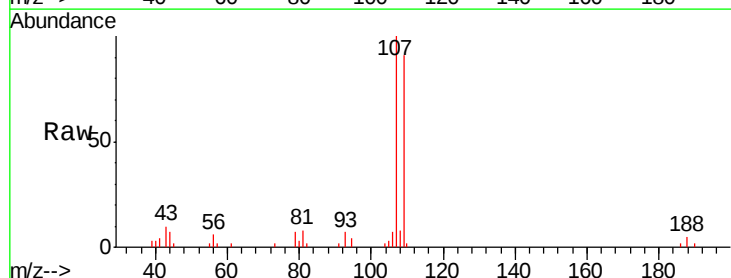
Acq: 15 Oct 2018 12:48

Tgt Ion:107 Resp: 5012

Ion Ratio Lower Upper

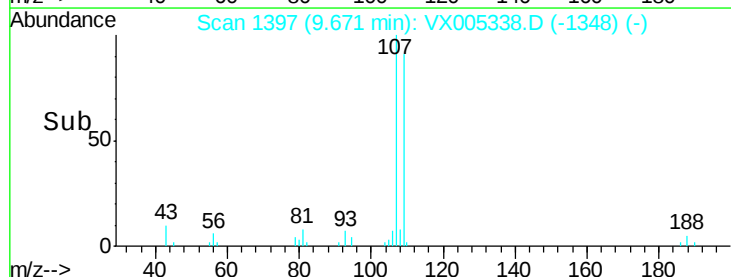
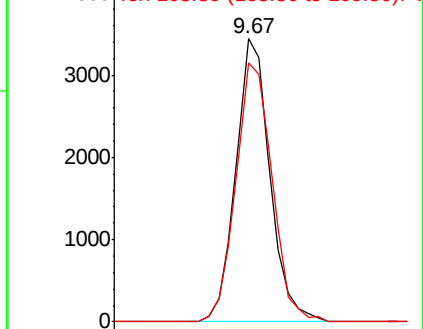
107 100

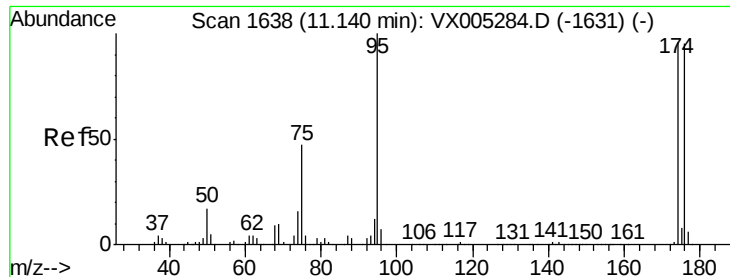
109 97.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.82 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

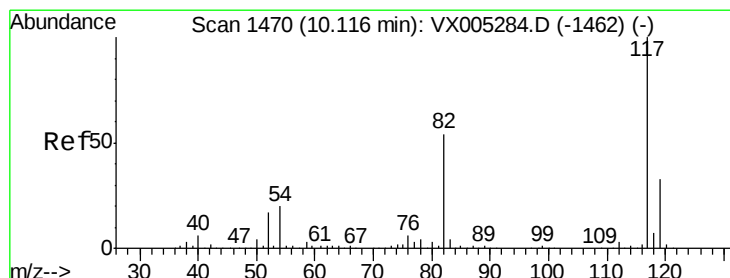
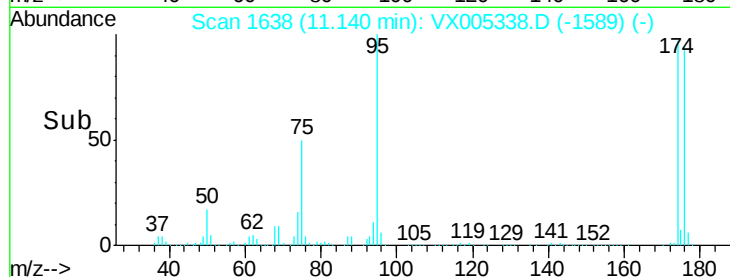
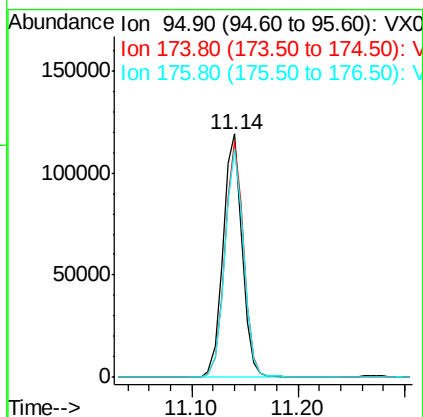
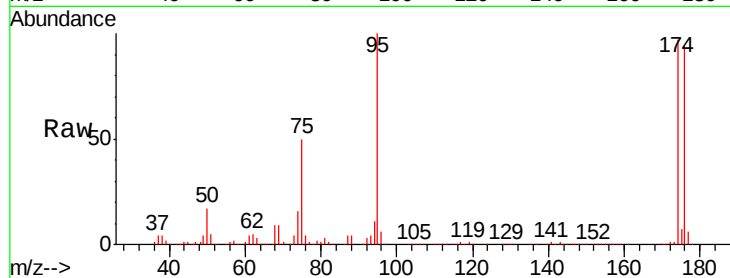
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	95	Resp:	149371
Ion Ratio	Lower	Upper	
95	100		
174	95.4	0.0	185.2
176	92.8	0.0	178.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

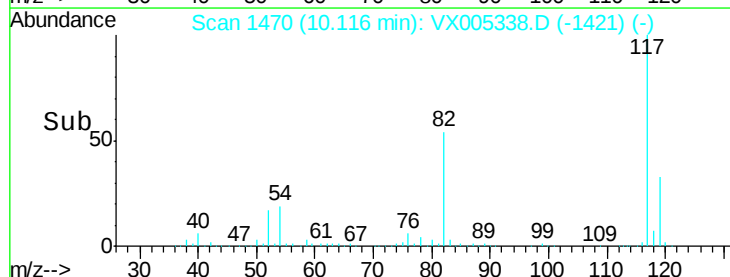
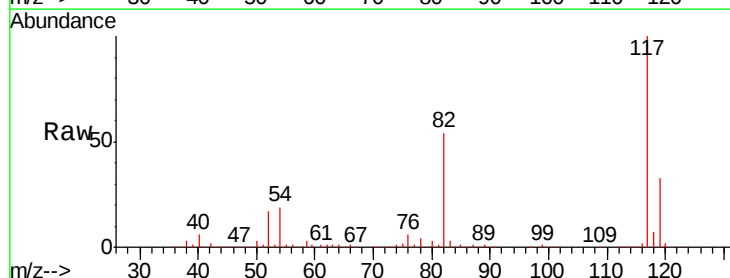
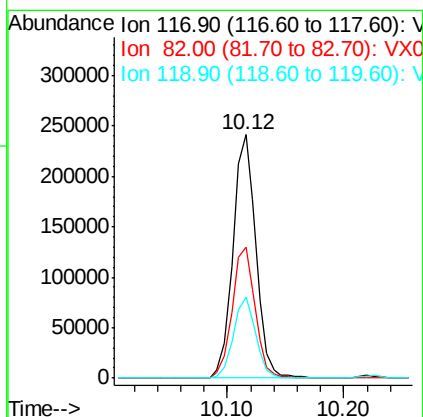
RT: 10.12 min Scan# 1470

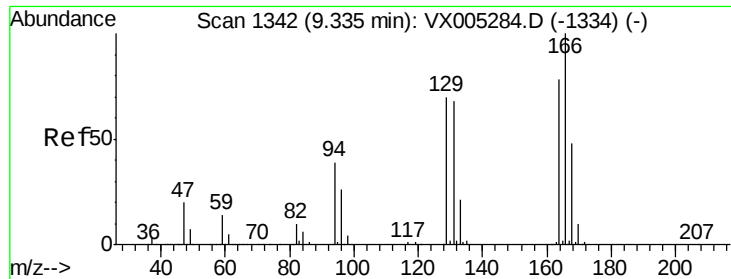
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	117	Resp:	331506
Ion Ratio	Lower	Upper	
117	100		
82	53.7	47.8	71.6
119	33.1	29.3	43.9





#64

Tetrachloroethene

Concen: 2.08 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX005338.D

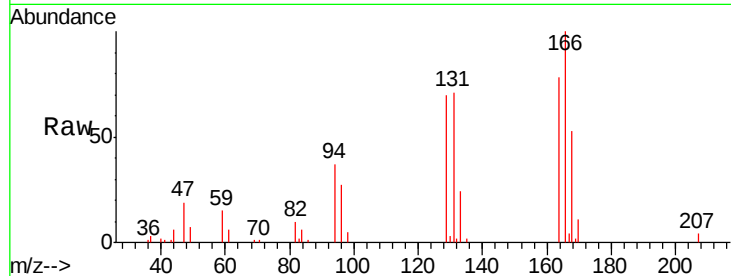
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

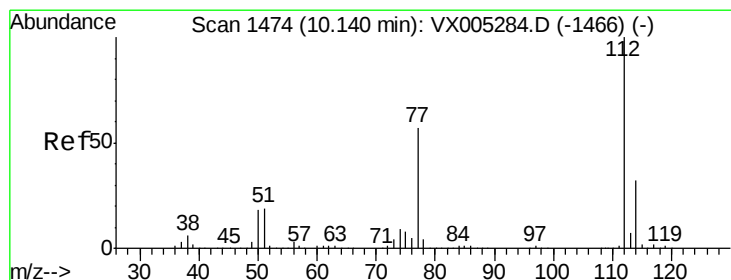
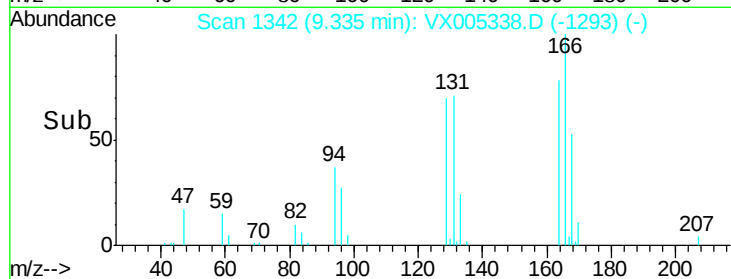
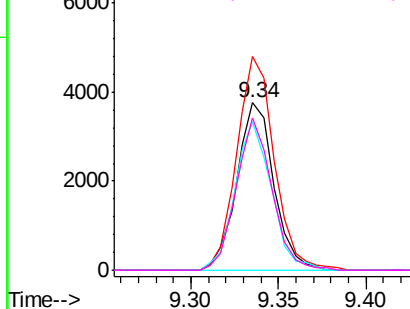
Tgt Ion:	164	Resp:	5563
Ion Ratio	Lower	Upper	
164	100		
166	127.7	102.8	154.2
129	89.0	69.4	104.0
131	91.0	67.9	101.9

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.01 ug/l

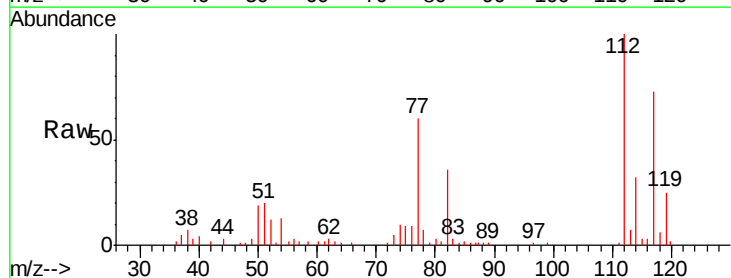
RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

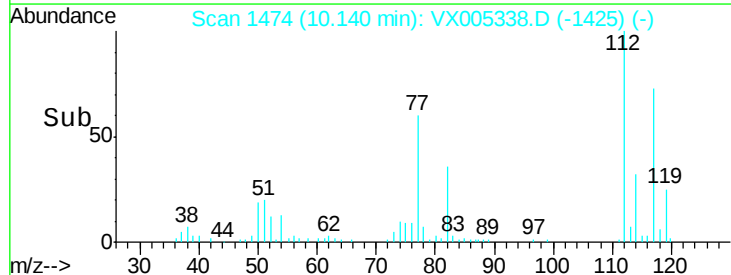
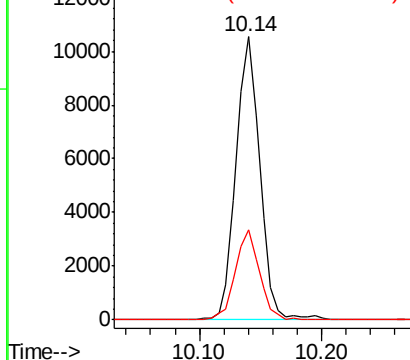
Lab File: VX005338.D

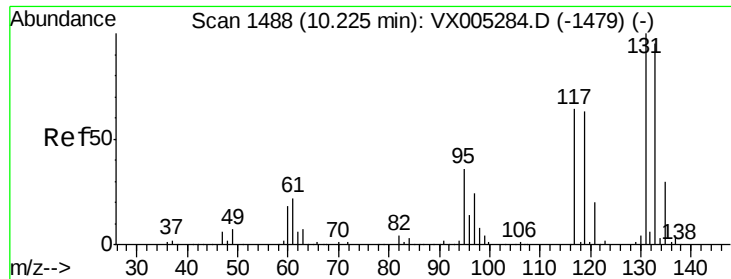
Acq: 15 Oct 2018 12:48

Tgt Ion:	112	Resp:	14208
Ion Ratio	Lower	Upper	
112	100		
114	31.8	27.8	41.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.98 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

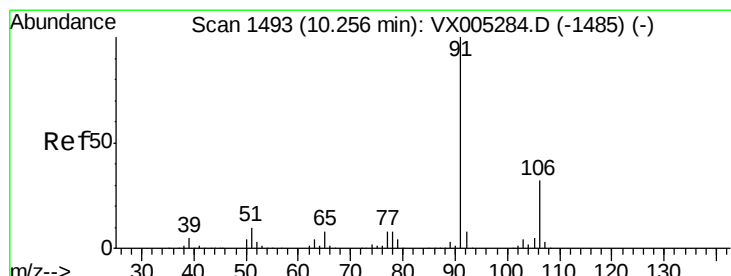
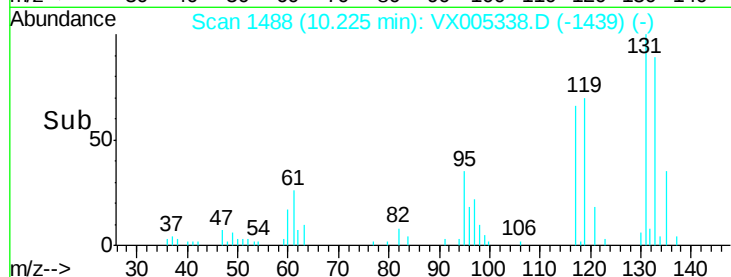
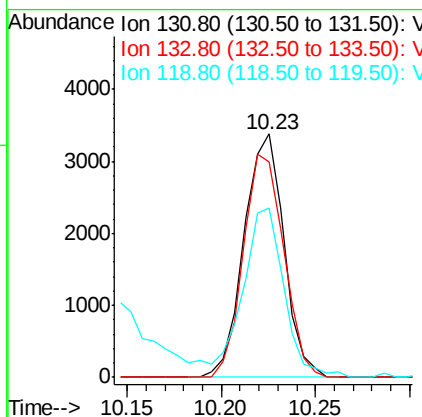
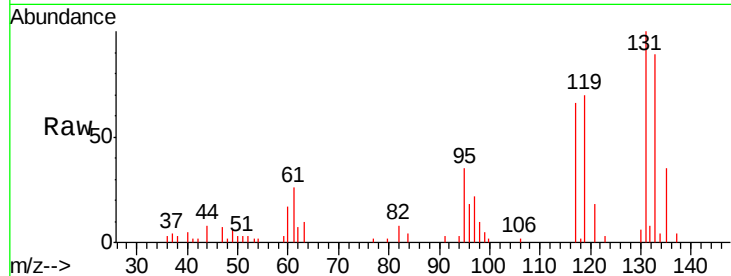
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.0	48.1	144.4
119	71.4	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 1.86 ug/l

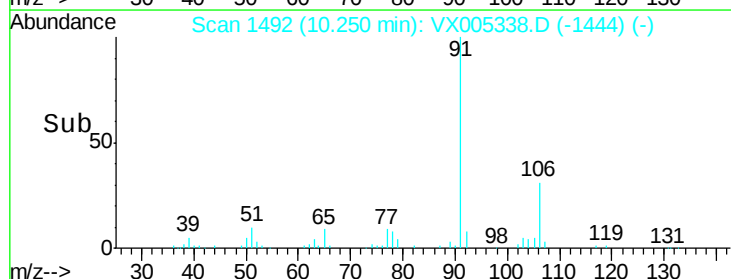
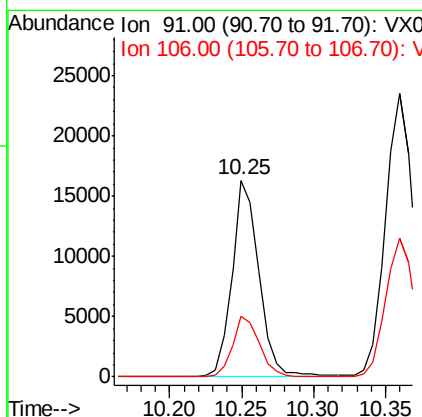
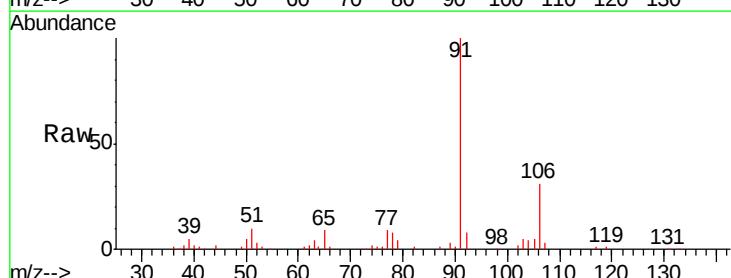
RT: 10.25 min Scan# 1492

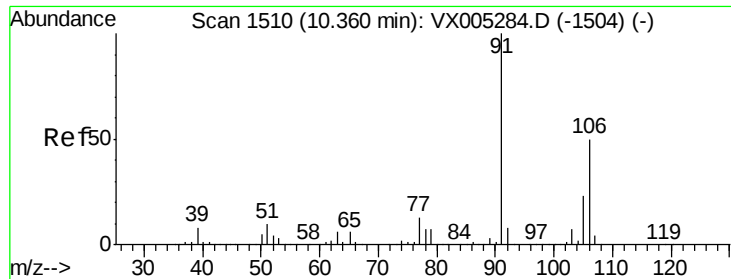
Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.9	38.9





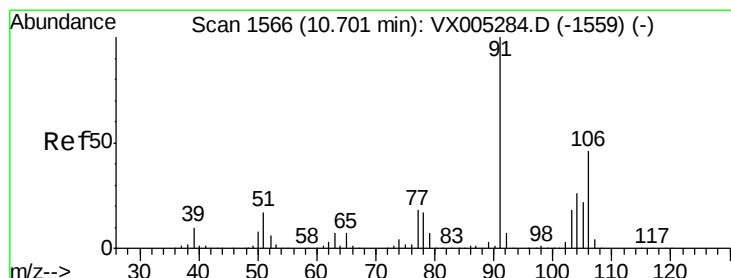
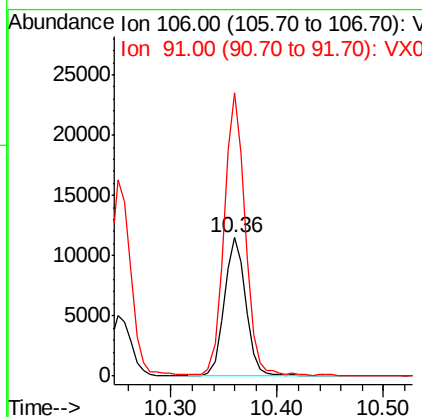
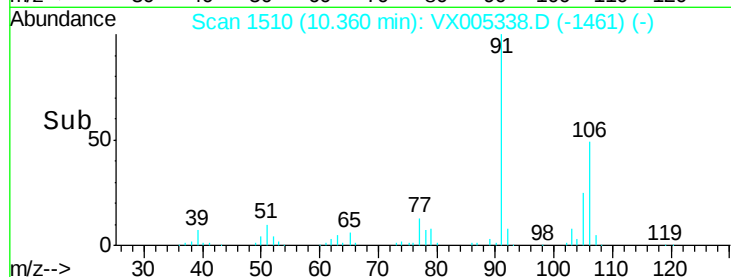
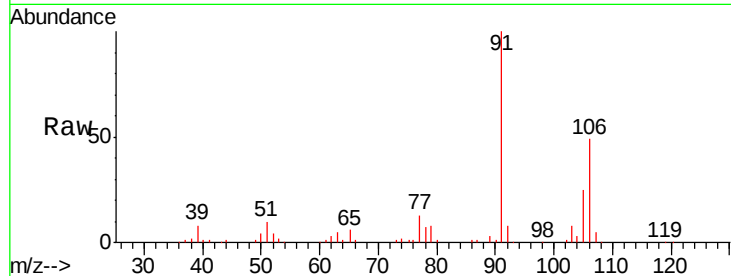
#68
m/p-Xylenes
Concen: 3.67 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:106 Resp: 16335
Ion Ratio Lower Upper
106 100
91 195.9 157.1 235.7

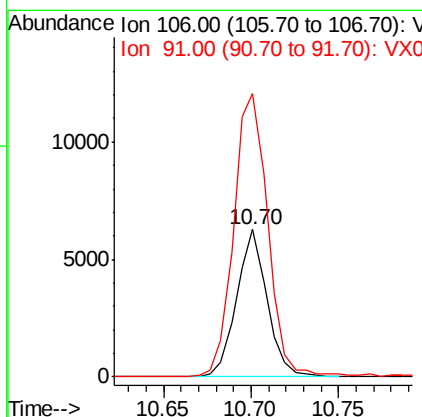
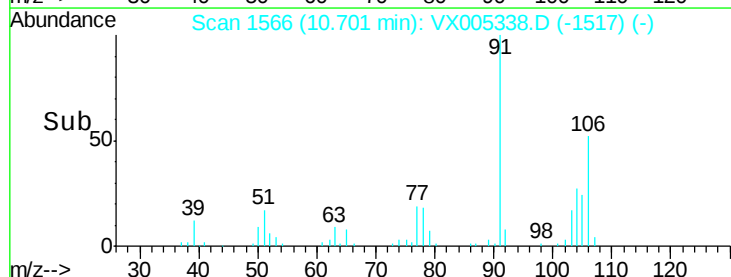
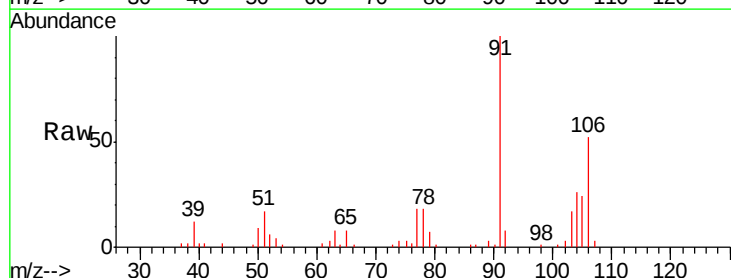
Manual Integrations
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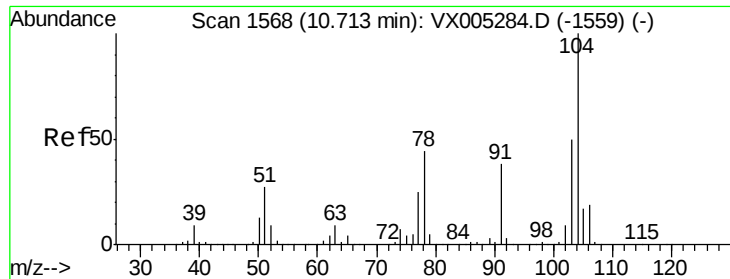
MMDadoda
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#69
o-Xylene
Concen: 1.76 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:106 Resp: 7572
Ion Ratio Lower Upper
106 100
91 216.1 105.1 315.1





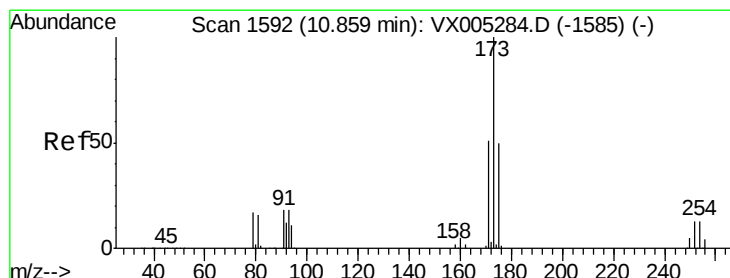
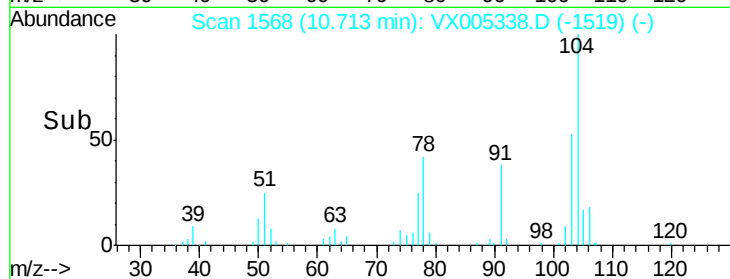
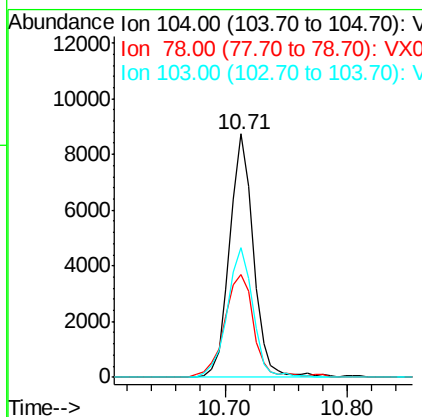
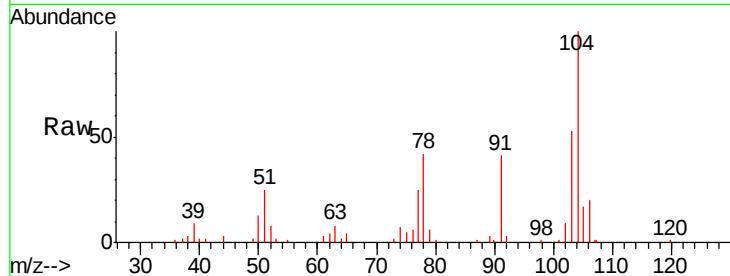
#70
Styrene
Concen: 1.67 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:104 Resp: 11797
Ion Ratio Lower Upper
104 100
78 51.3 37.4 56.0
103 57.3 43.8 65.6

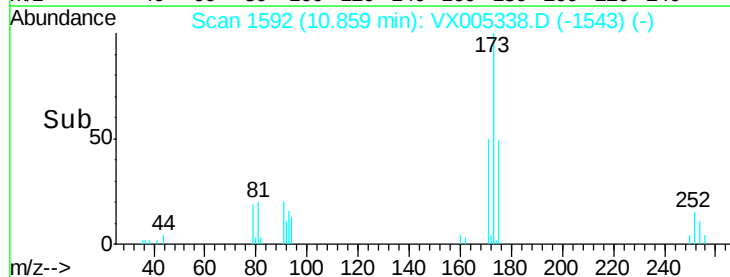
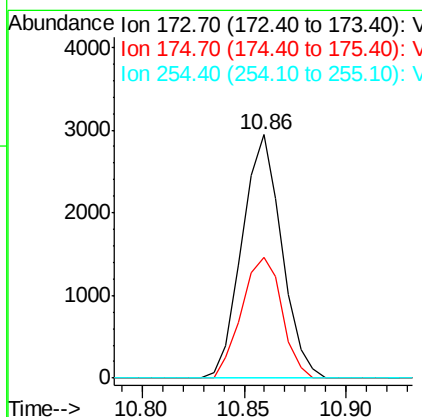
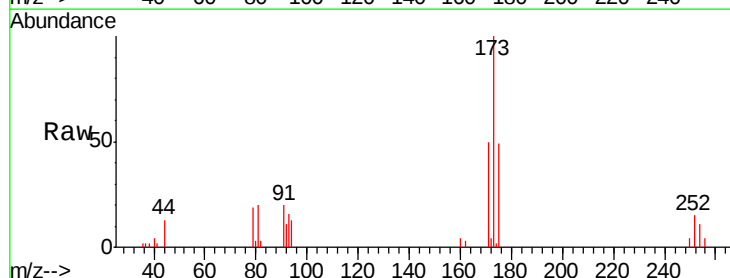
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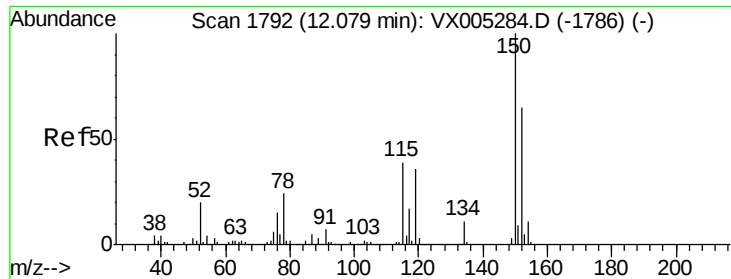
MMDadoda
10/16/2018 2:36:43 PM



#71
Bromoform
Concen: 1.77 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:173 Resp: 3965
Ion Ratio Lower Upper
173 100
175 50.2 24.1 72.3
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

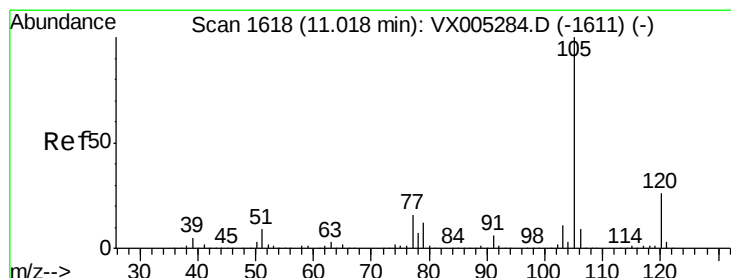
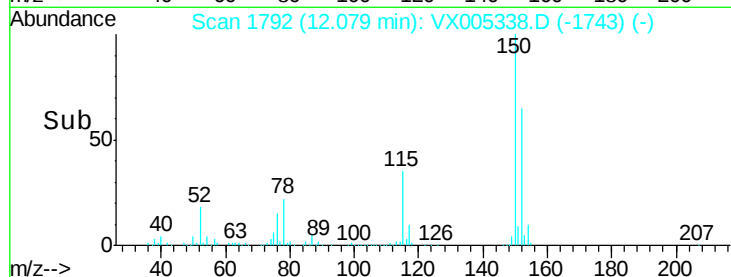
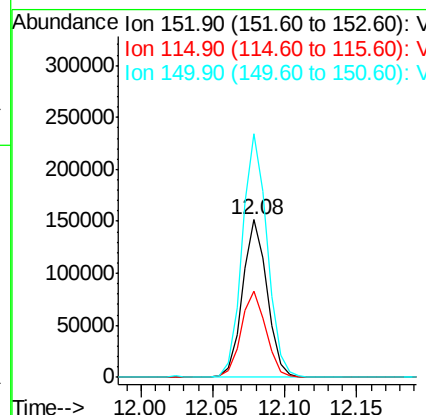
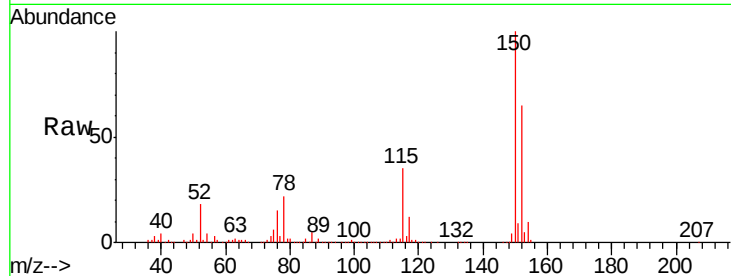
ClientSampleId :

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Tgt	Ion	152	Resp:	179191
Ion	Ratio	Lower	Upper	
152	100			
115	55.8	39.0	117.0	
150	157.4	0.0	351.0	

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#73

Isopropylbenzene

Concen: 1.88 ug/l

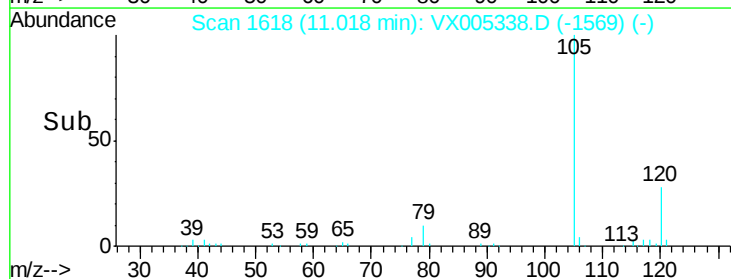
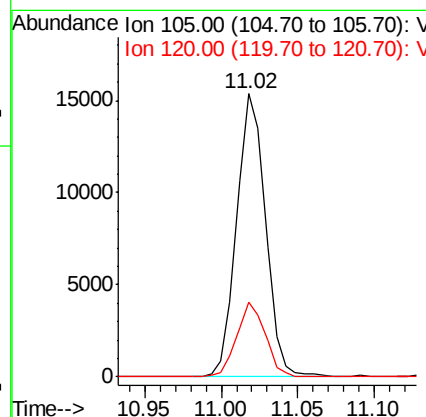
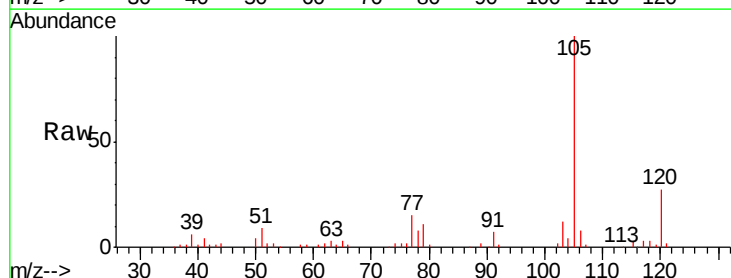
RT: 11.02 min Scan# 1618

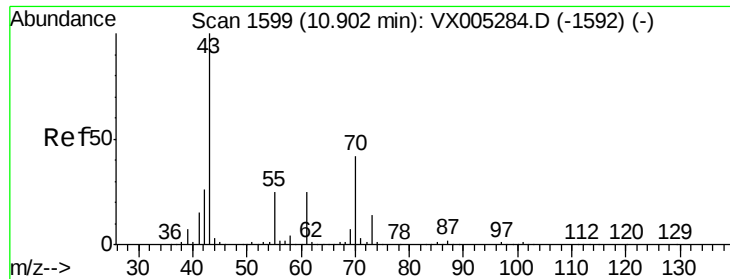
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt	Ion	105	Resp:	20072
Ion	Ratio	Lower	Upper	
105	100			
120	26.0	13.5	40.4	





#74

N-amyI acetate

Concen: 1.79 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

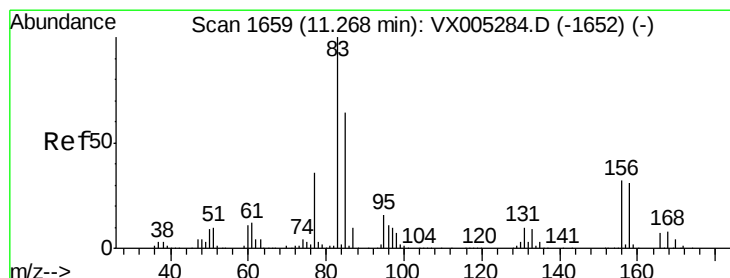
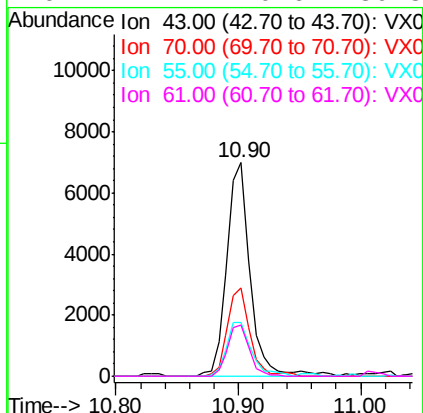
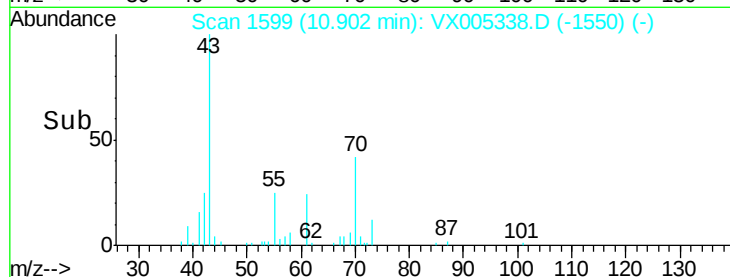
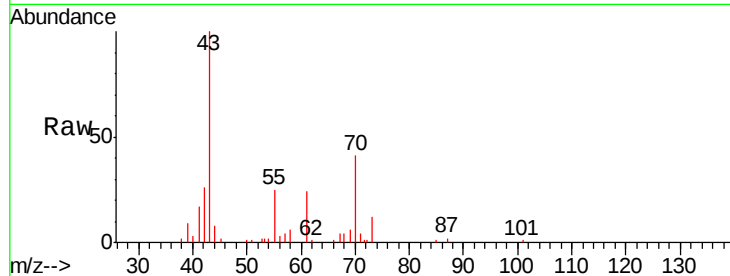
ClientSampleId :

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Tgt Ion:	43	Resp:	9213
Ion	Ratio	Lower	Upper
43	100		
70	39.7	37.4	56.0
55	26.7	21.8	32.8
61	22.4	20.6	30.8

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#75

1,1,2,2-Tetrachloroethane

Concen: 2.05 ug/l

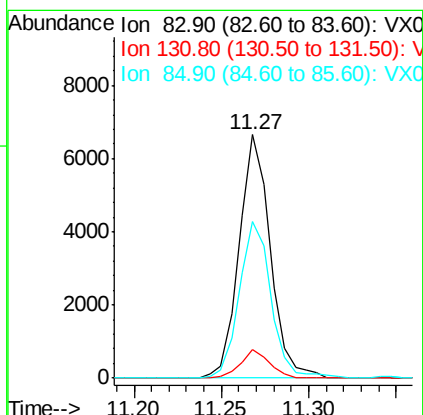
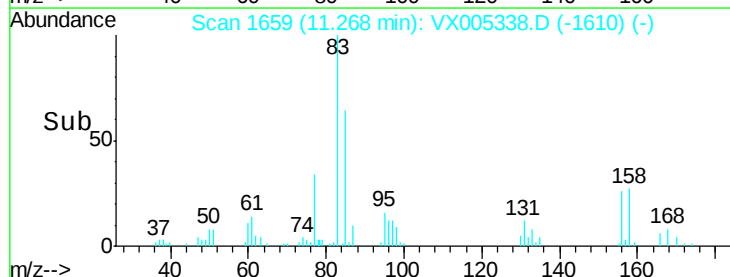
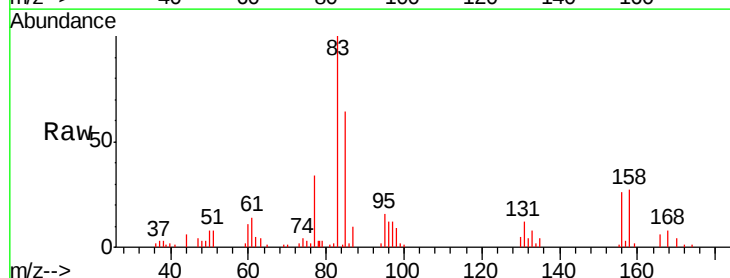
RT: 11.27 min Scan# 1659

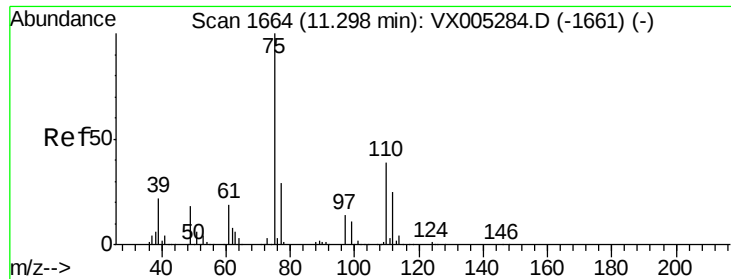
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	83	Resp:	8237
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.2	15.6
85	65.9	32.3	96.8





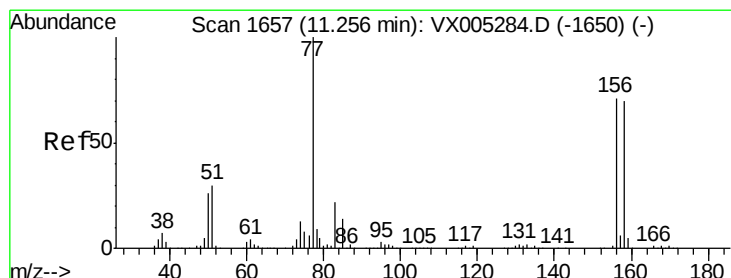
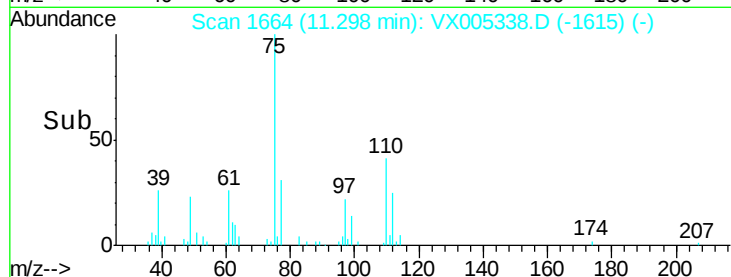
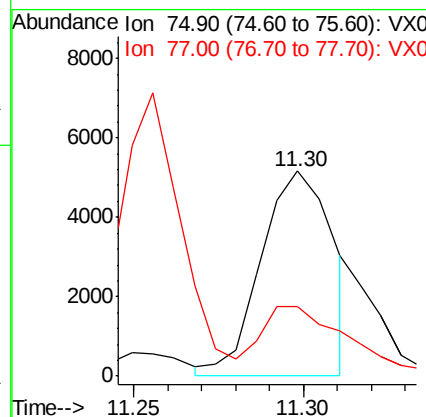
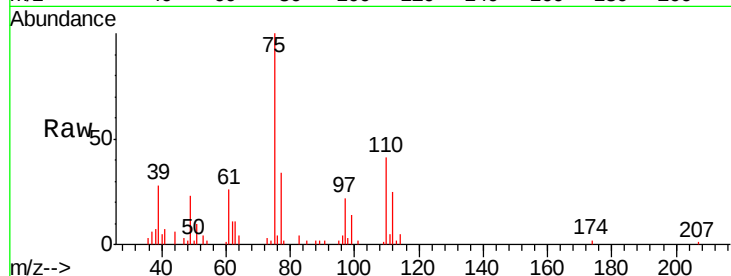
#76
 1,2,3-Trichloropropane
 Concen: 2.17 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 75 Resp: 7529
 Ion Ratio Lower Upper
 75 100
 77 42.4 20.2 60.6

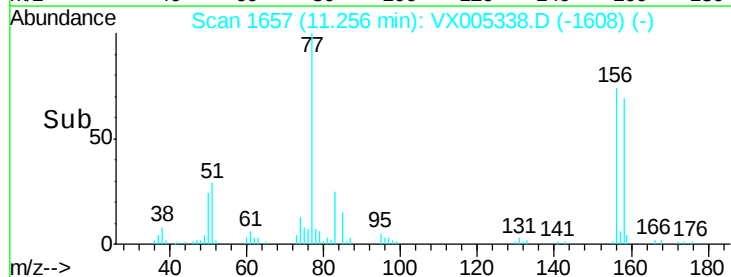
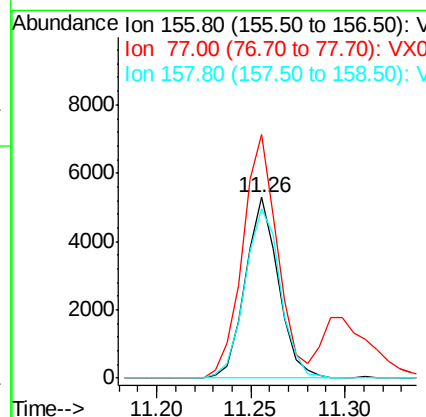
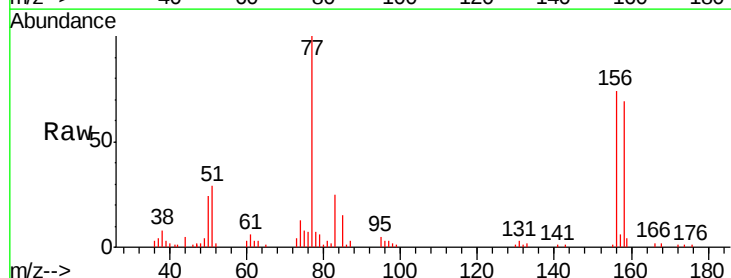
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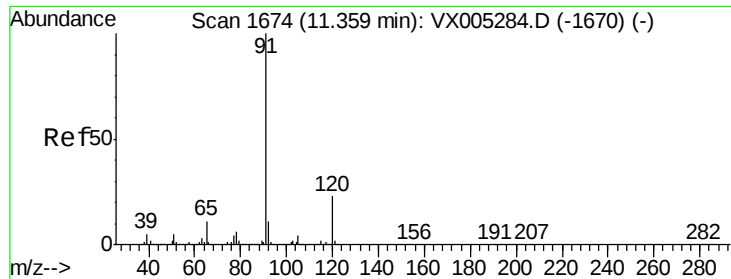
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 10/16/2018 2:36:43 PM



#77
 Bromobenzene
 Concen: 2.11 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 156 Resp: 6438
 Ion Ratio Lower Upper
 156 100
 77 142.2 71.5 214.3
 158 100.9 48.9 146.8





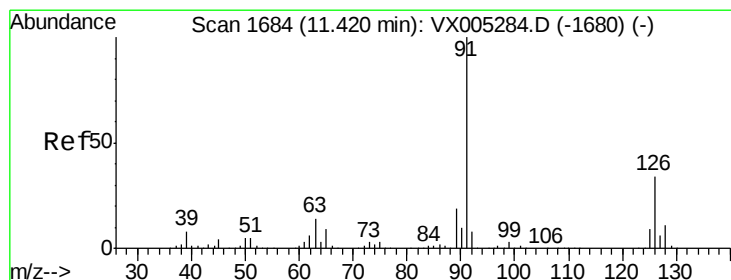
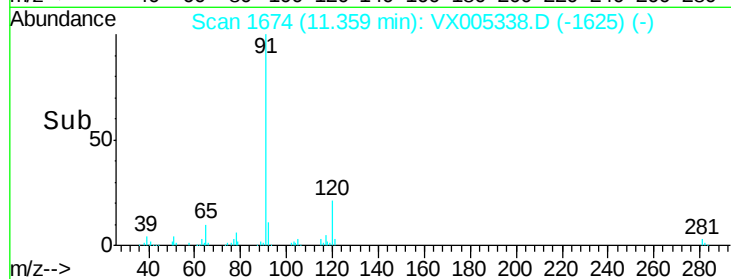
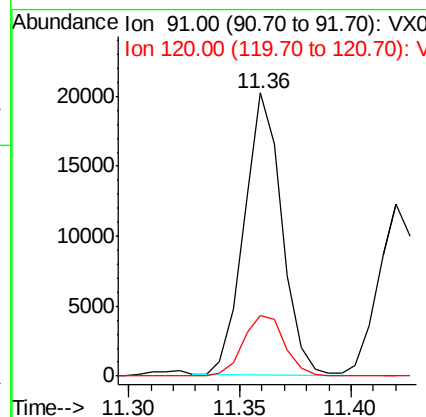
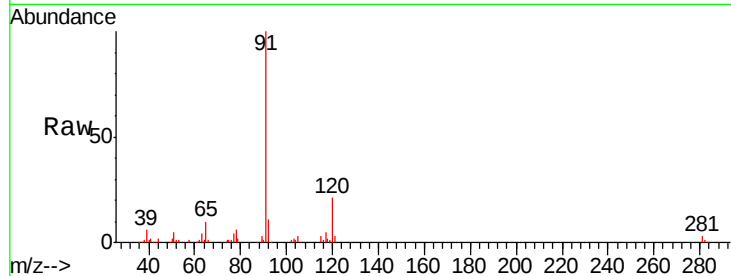
#78
n-propylbenzene
Concen: 1.94 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 23802
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.9

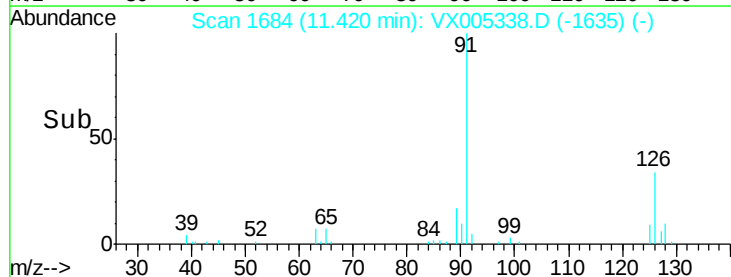
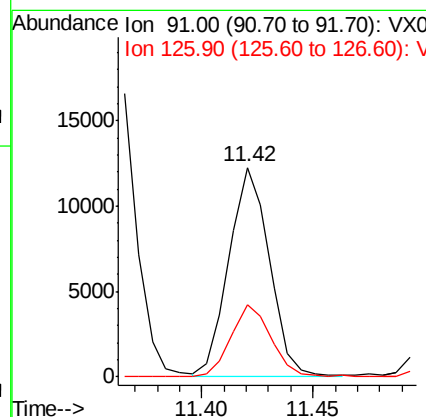
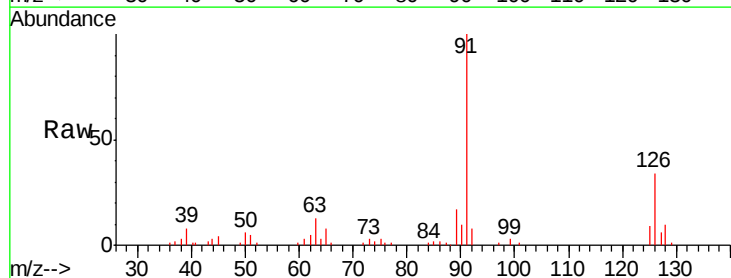
Manual Integrations
APPROVED

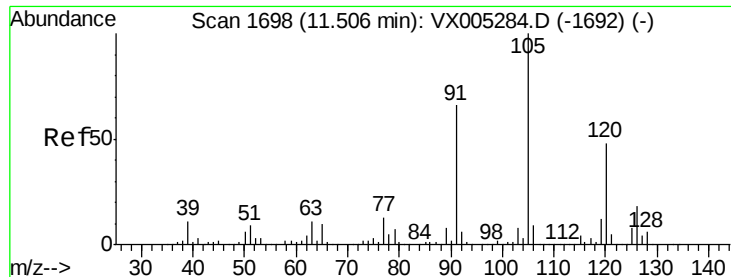
MMDadoda
10/16/2018 2:36:43 PM



#79
2-Chlorotoluene
Concen: 2.05 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 91 Resp: 15419
Ion Ratio Lower Upper
91 100
126 34.7 17.9 53.7





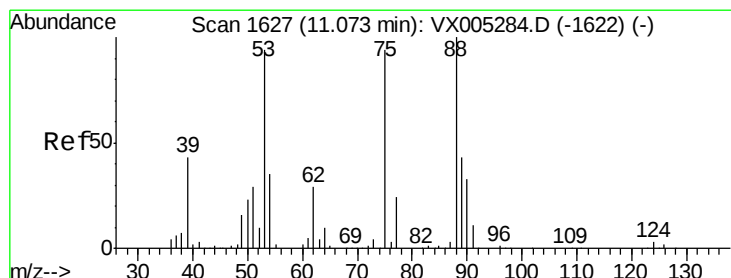
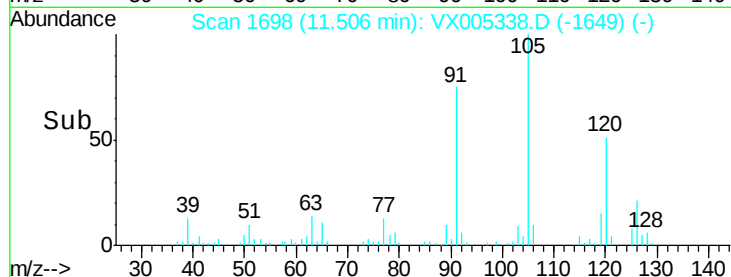
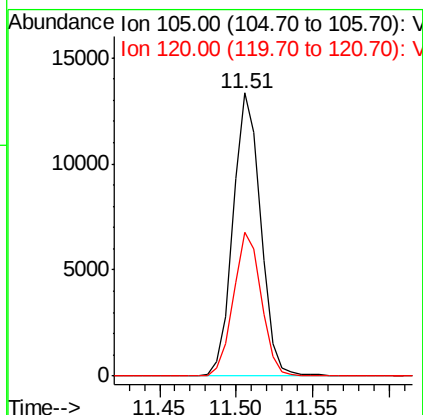
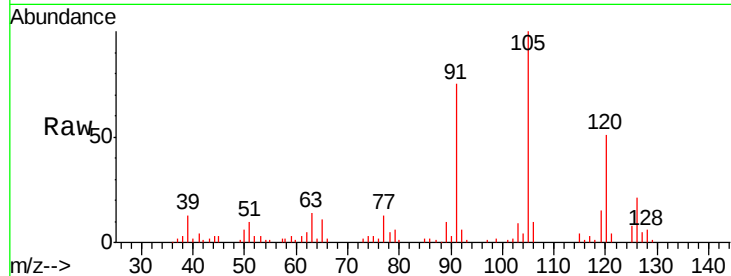
#80
 1,3,5-Trimethylbenzene
 Concen: 1.82 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion: 105 Resp: 16636
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.6 76.8

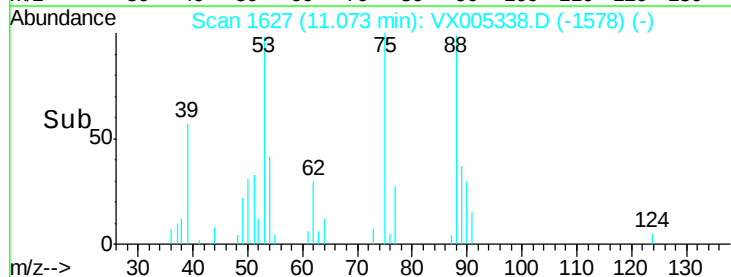
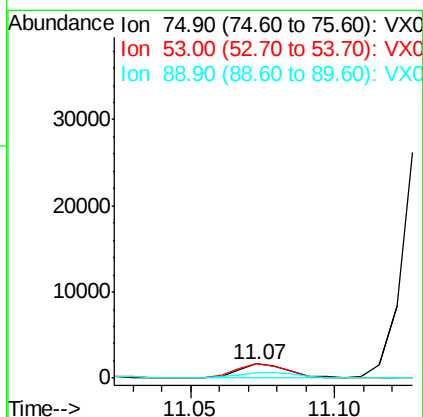
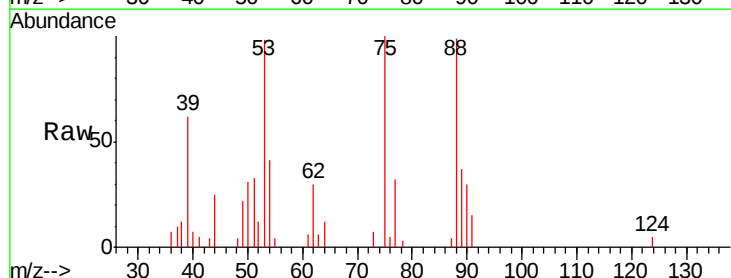
Manual Integrations
 APPROVED

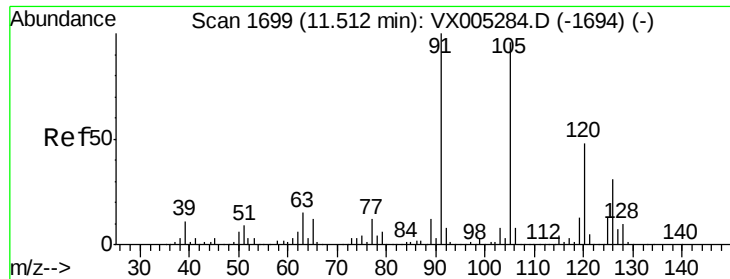
MMDadoda
 10/16/2018 2:36:43 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.80 ug/l m
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Tgt Ion: 75 Resp: 2056
 Ion Ratio Lower Upper
 75 100
 53 5.8 80.1 120.1#
 89 0.0 37.2 55.8#





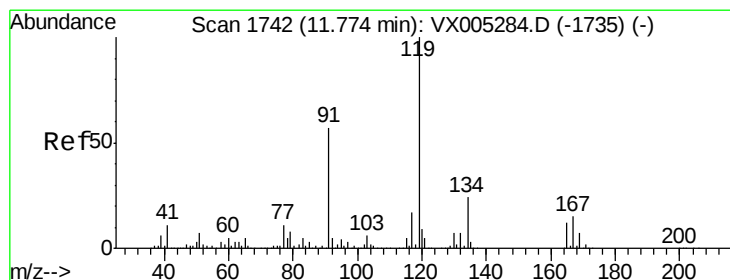
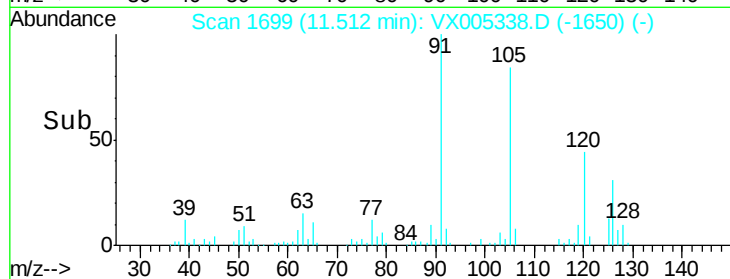
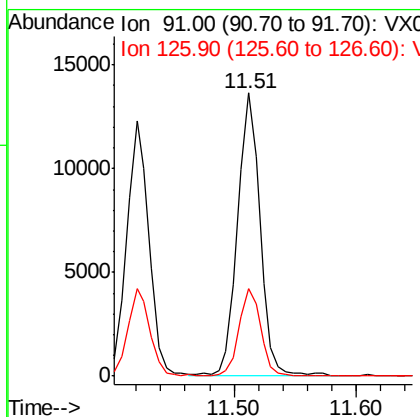
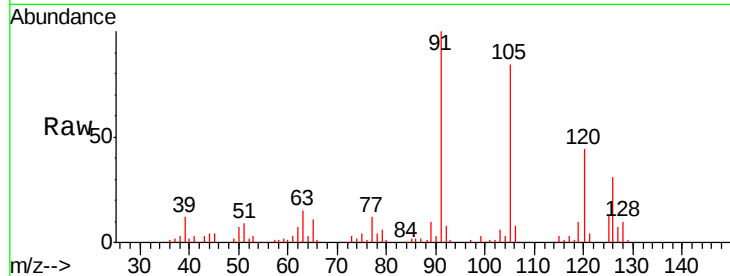
#82
4-Chlorotoluene
Concen: 1.96 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 91 Resp: 17402
Ion Ratio Lower Upper
91 100
126 29.6 15.5 46.5

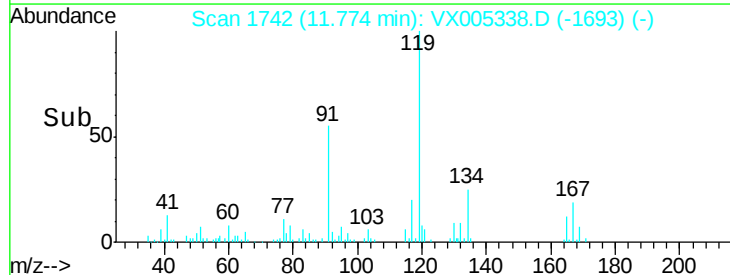
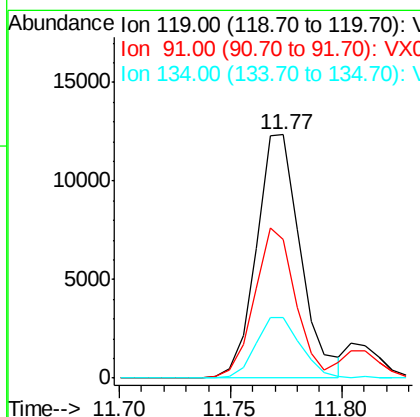
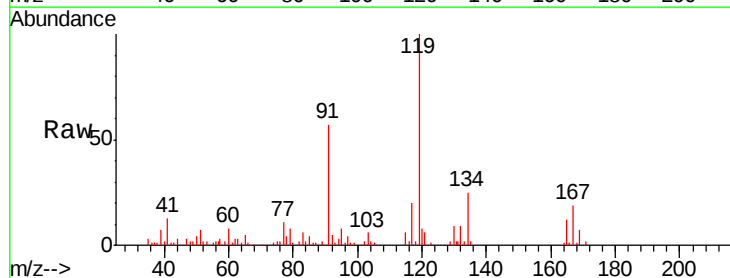
Manual Integrations
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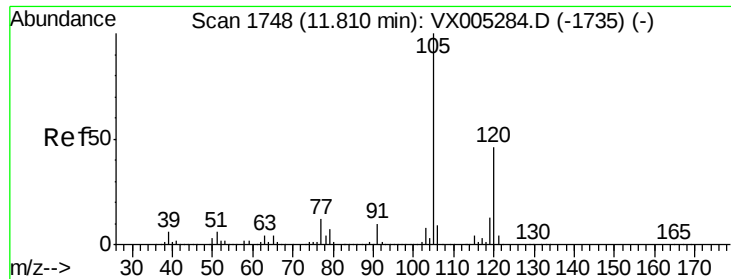
MMDadoda
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#83
tert-Butylbenzene
Concen: 1.84 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion: 119 Resp: 17034
Ion Ratio Lower Upper
119 100
91 57.2 27.0 81.0
134 25.4 11.7 35.1





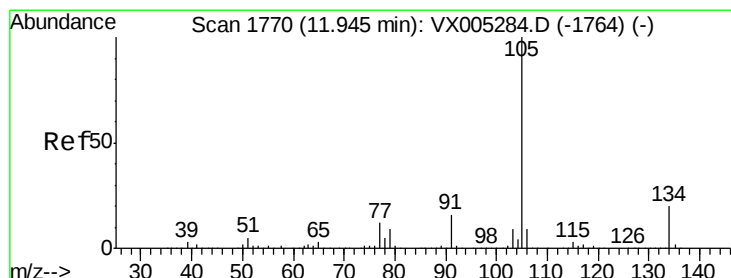
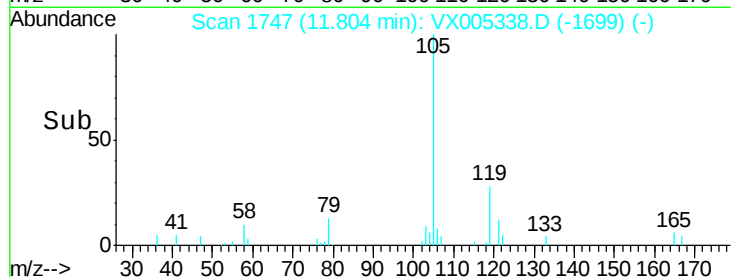
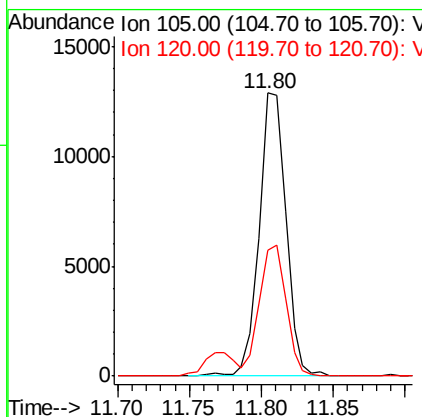
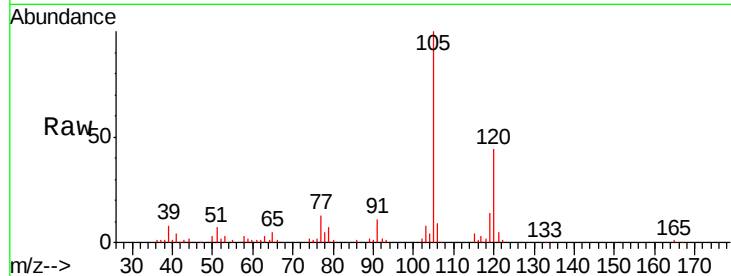
#84
1,2,4-Trimethylbenzene
Concen: 1.76 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:105 Resp: 16484
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.6

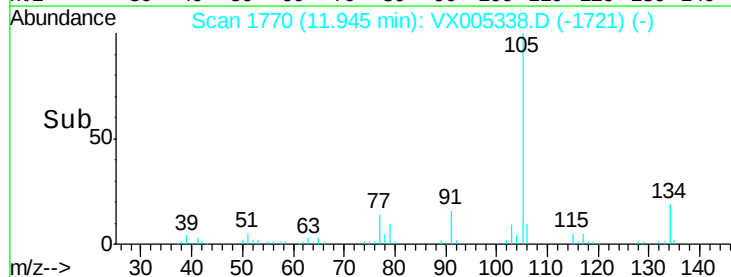
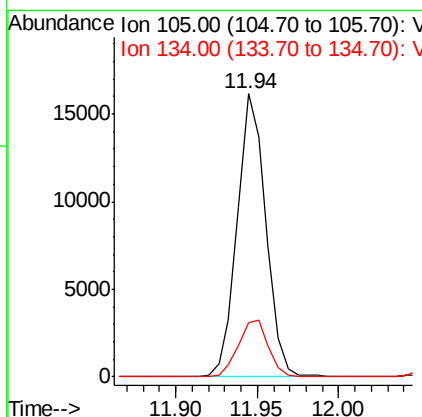
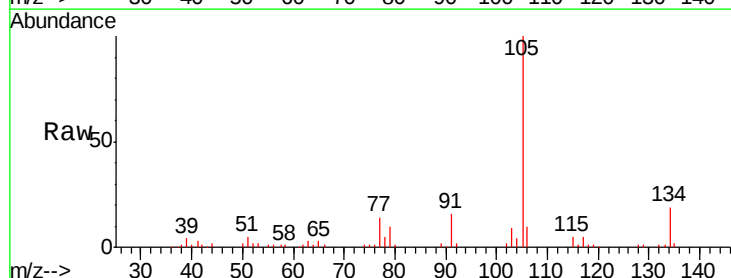
Manual Integrations
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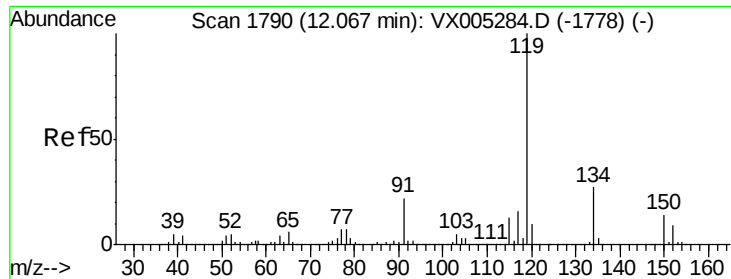
MMDadoda
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#85
sec-Butylbenzene
Concen: 1.81 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion:105 Resp: 19781
Ion Ratio Lower Upper
105 100
134 20.9 10.5 31.5





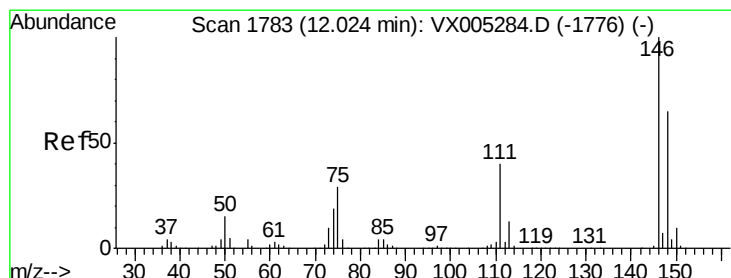
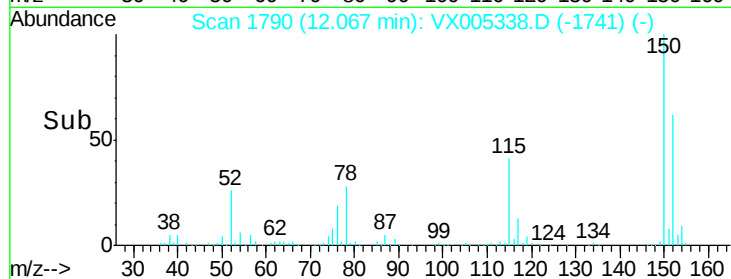
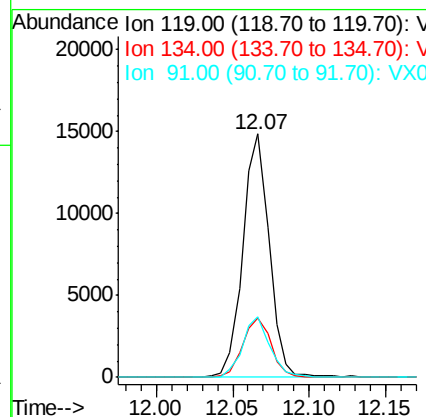
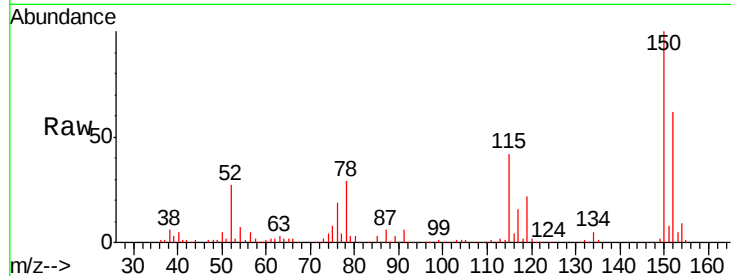
#86
p-Isopropyltoluene
Concen: 1.80 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	17773		
134	26.0		13.4	40.2
91	26.1		10.9	32.7

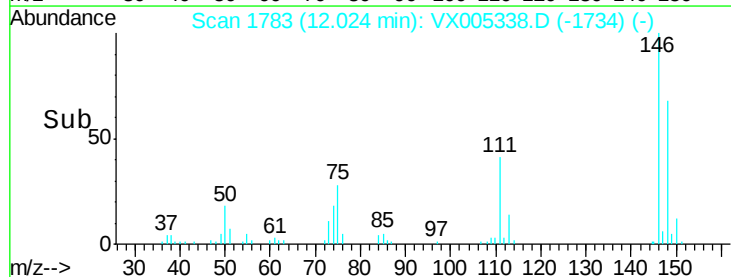
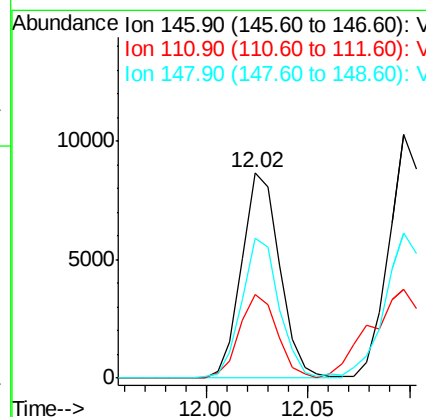
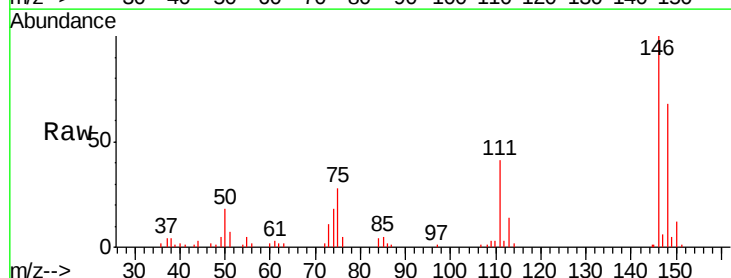
Manual Integrations
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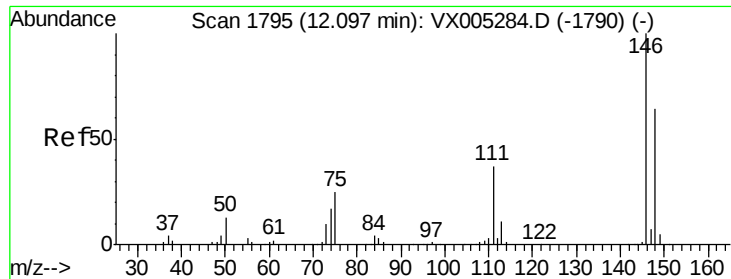
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 1.98 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX005338.D
Acq: 15 Oct 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	11296		
111	39.9		18.7	56.1
148	66.3		32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 2.14 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

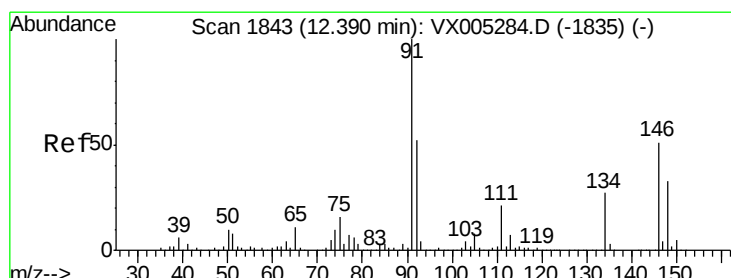
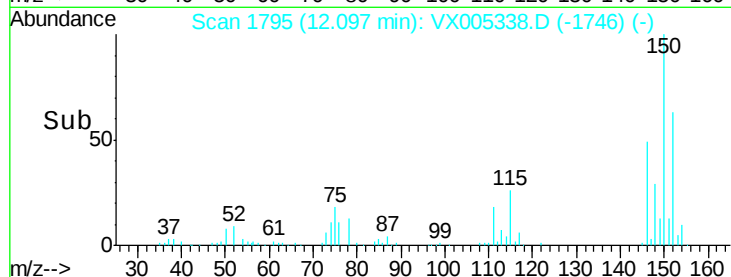
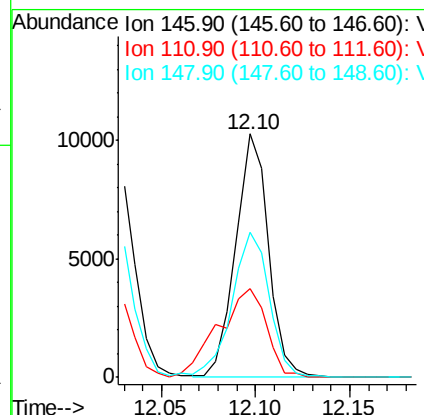
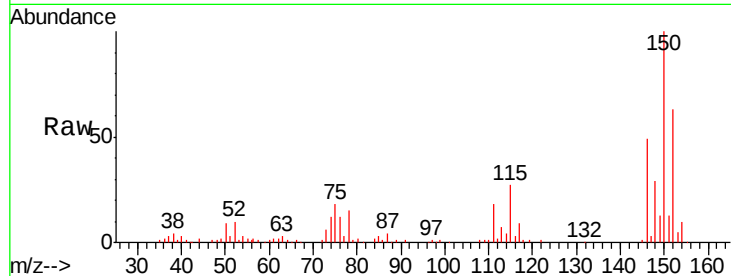
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	146	Resp:	12452
Ion Ratio	Lower	Upper	
146	100		
111	53.3	18.1	54.1
148	68.5	32.0	96.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 1.75 ug/l

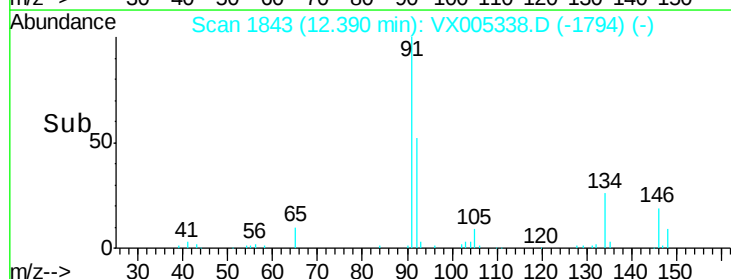
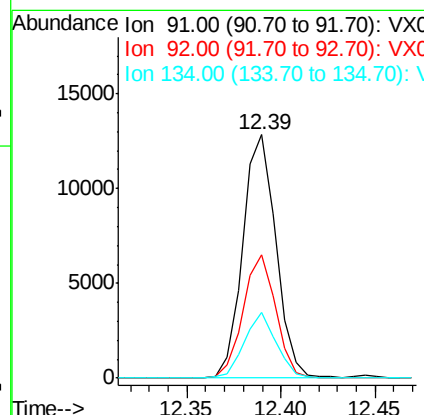
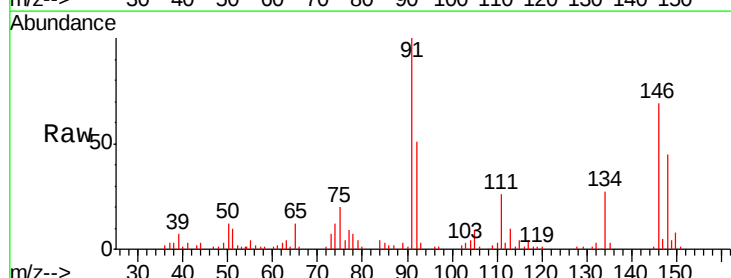
RT: 12.39 min Scan# 1843

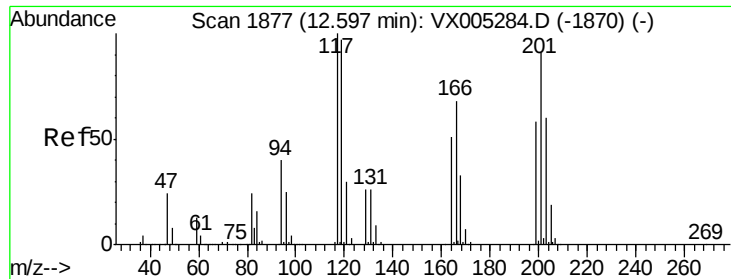
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	91	Resp:	15670
Ion Ratio	Lower	Upper	
91	100		
92	50.2	27.3	81.9
134	26.1	13.6	40.7





#90

Hexachloroethane

Concen: 1.77 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:117 Resp: 3011

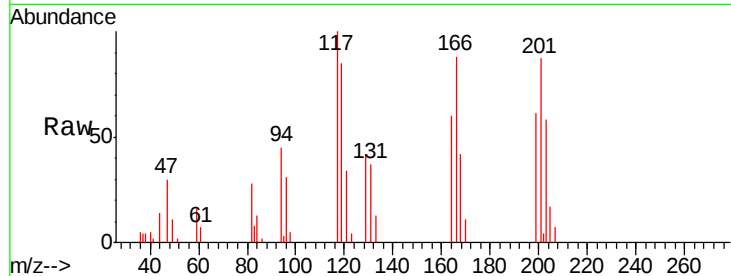
Ion Ratio Lower Upper

117 100

201 98.1 46.9 140.6

Manual Integrations
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.60

2500

2000

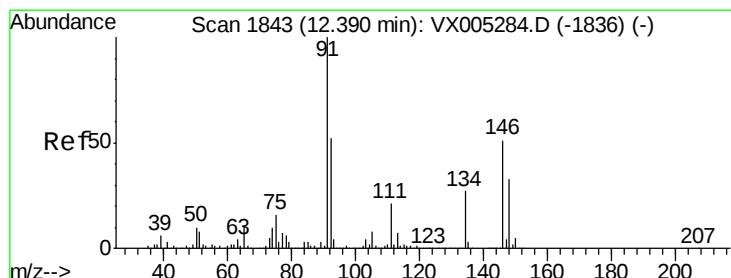
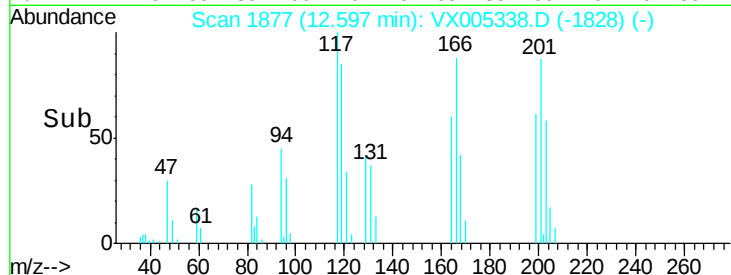
1500

1000

500

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 2.00 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

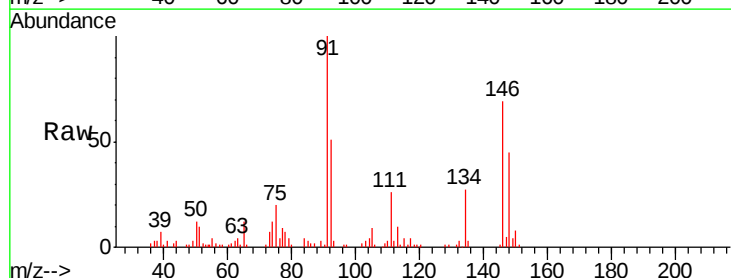
Tgt Ion:146 Resp: 11603

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.1

148 64.9 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

12000

10000

8000

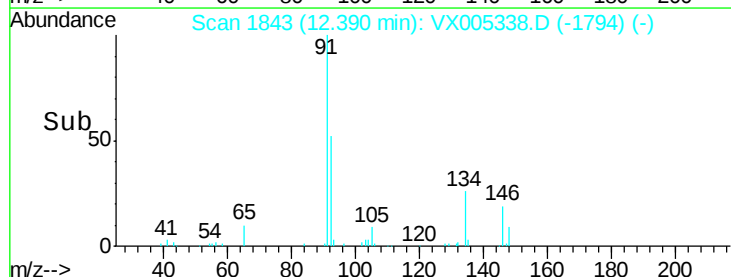
6000

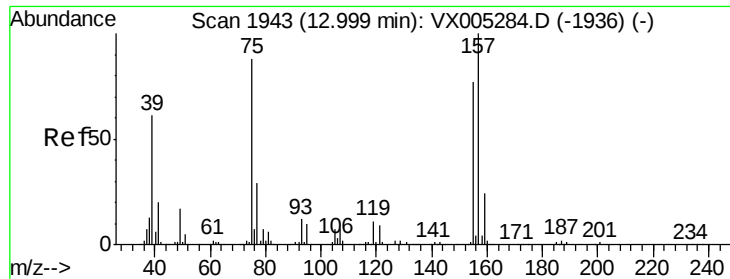
4000

2000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.86 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

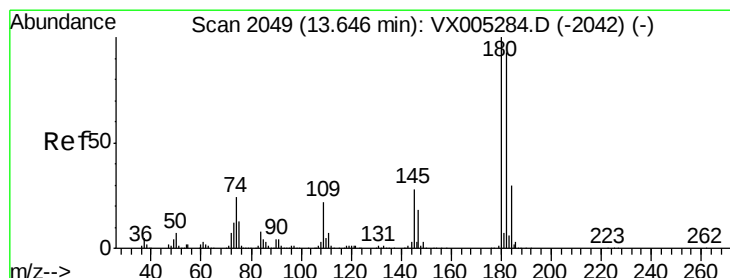
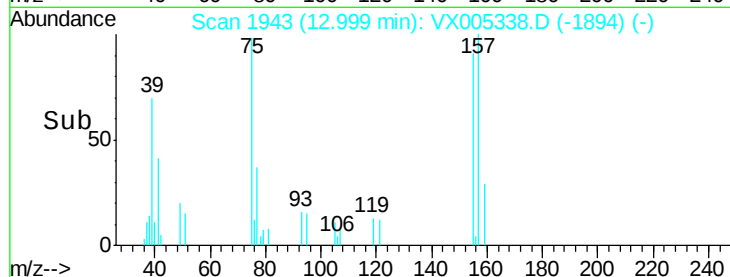
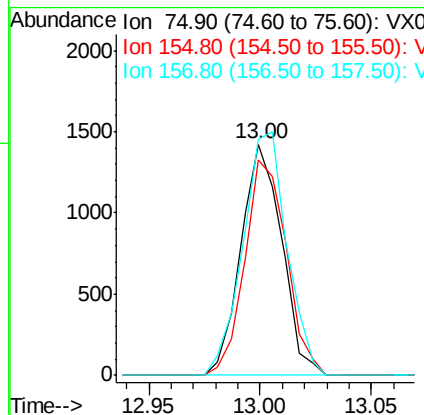
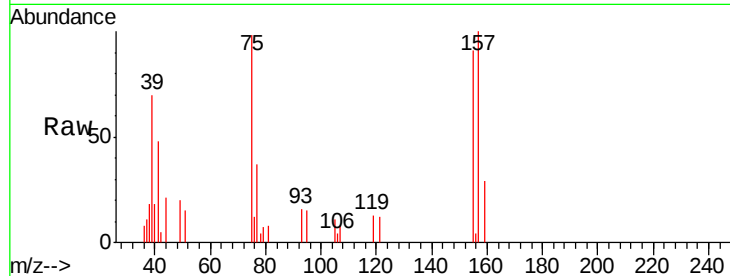
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	75	Resp:	1820
Ion Ratio	Lower	Upper	
75	100		
155	95.4	48.0	144.2
157	113.8	61.4	184.1

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 1.88 ug/l

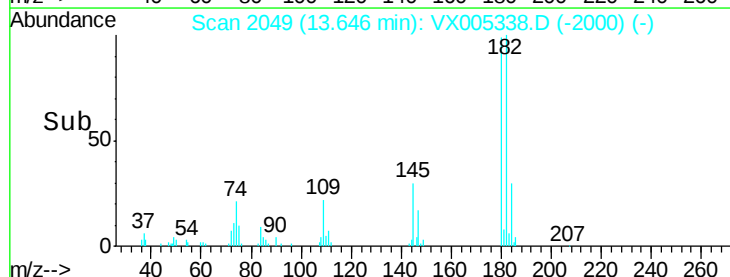
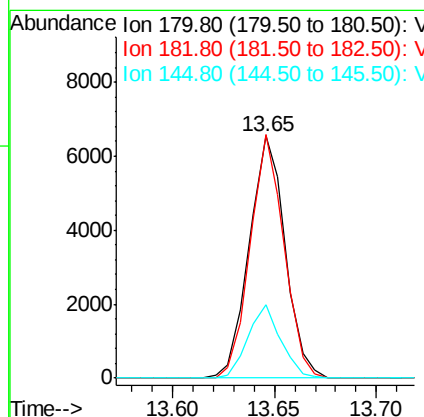
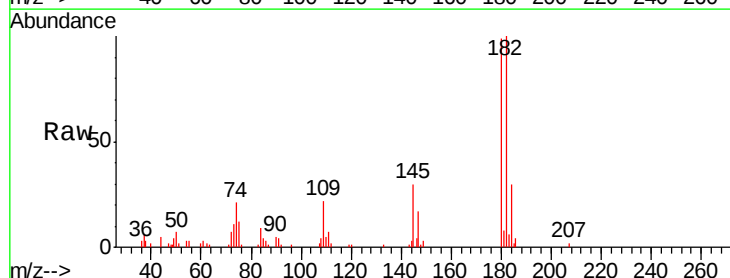
RT: 13.65 min Scan# 2049

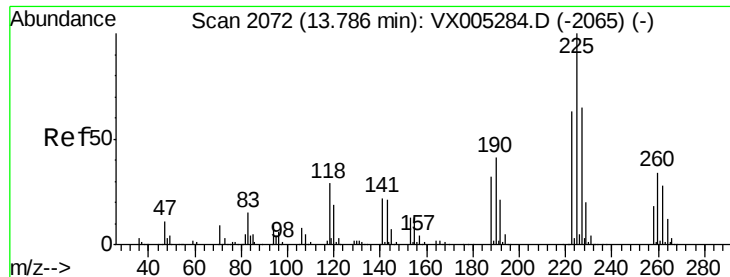
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	180	Resp:	8013
Ion Ratio	Lower	Upper	
180	100		
182	94.2	48.4	145.0
145	27.7	14.3	42.9





#94

Hexachlorobutadiene

Concen: 1.94 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Instrument :

MSVOA_X

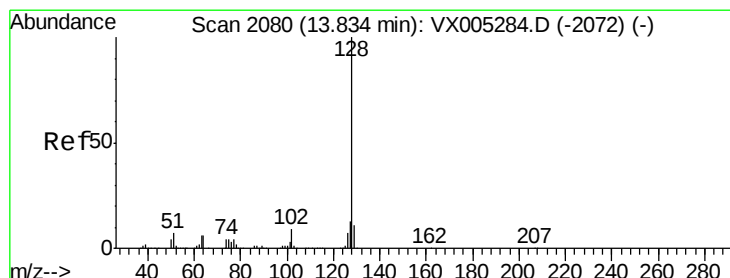
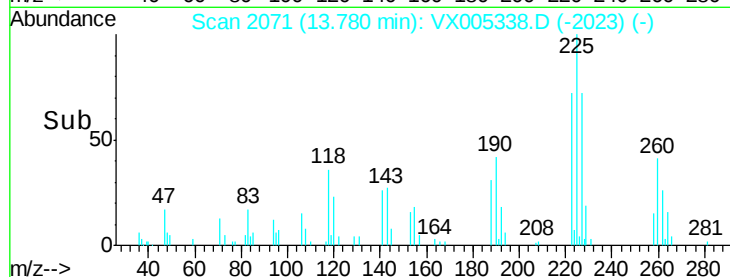
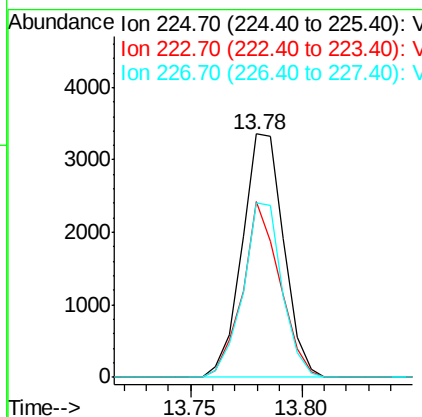
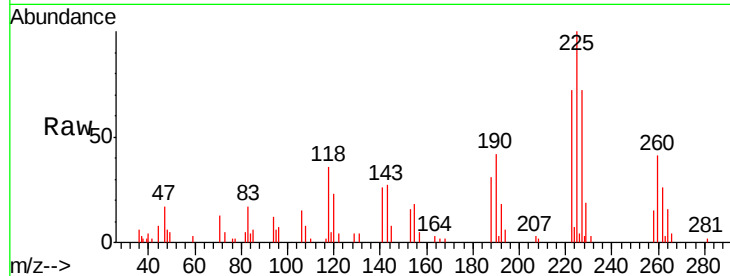
ClientSampleId :

LOQ-WATER-02-QT4-2018

Tgt Ion:	225	Resp:	4367
Ion Ratio	Lower	Upper	
225	100		
223	64.8	30.1	90.5
227	67.3	30.8	92.4

Manual Integrations
APPROVED

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10/16/2018 2:36:43 PM



#95

Naphthalene

Concen: 1.63 ug/l

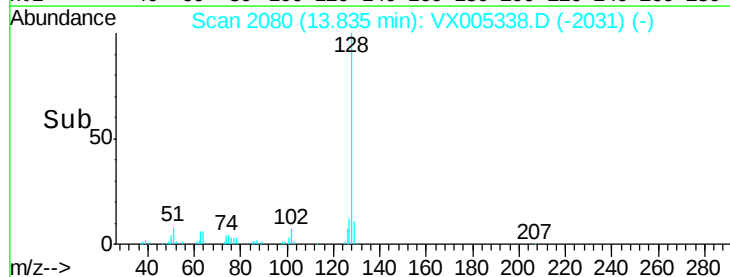
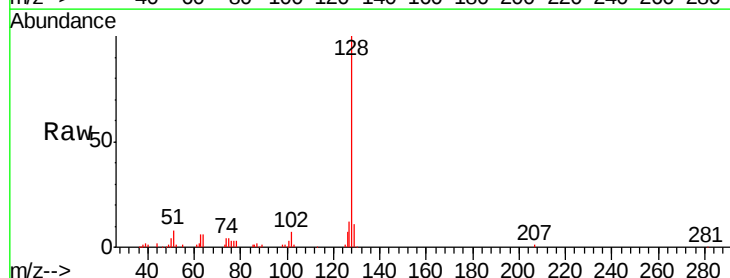
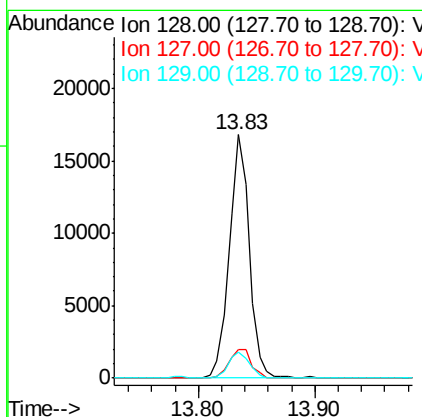
RT: 13.83 min Scan# 2080

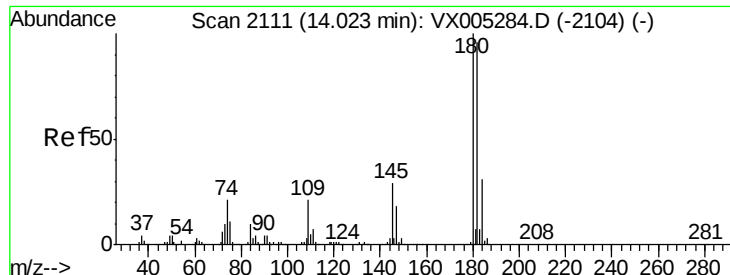
Delta R.T. 0.00 min

Lab File: VX005338.D

Acq: 15 Oct 2018 12:48

Tgt Ion:	128	Resp:	20095
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.2
129	11.1	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.90 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX005338.D
 Acq: 15 Oct 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Tgt Ion:	180	Resp:	8296
Ion Ratio	Lower	Upper	
180	100		
182	90.5	48.5	145.6
145	27.4	14.9	44.9

Manual Integrations
 APPROVED

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