

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070918\
 Data File : VX003259.D
 Acq On : 09 Jul 2018 22:17
 Operator : JC/MD
 Sample : J3762-08 L00 2PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Manual Integrations
 APPROVED

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 7/10/2018 3:11:53 PM

Quant Time: Jul 10 11:26:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X070918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 09 15:24:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	244262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	289350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194785	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	198781	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	5.51	113	164818	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	8.72	98	599552	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.14	95	212115	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	7059	1.90	ug/l	94
3) Chloromethane	1.32	50	7668	2.27	ug/l	99
4) Vinyl Chloride	1.40	62	7104	2.05	ug/l #	77
5) Bromomethane	1.64	94	5096	1.78	ug/l	83
6) Chloroethane	1.72	64	4491	2.34	ug/l #	88
7) Trichlorofluoromethane	1.93	101	11235	2.18	ug/l	94
8) Diethyl Ether	2.19	74	3960	2.13	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	6507	2.16	ug/l	99
12) 1,1-Dichloroethene	2.37	96	5694	2.07	ug/l	84
14) Allyl chloride	2.73	41	10490	2.06	ug/l	93
15) Acrylonitrile	3.15	53	17244	11.08	ug/l	99
16) Acetone	2.45	43	17108	12.54	ug/l	98
17) Carbon Disulfide	2.57	76	15646	2.05	ug/l	97
18) Methyl Acetate	2.78	43	8324	2.16	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	20120	2.19	ug/l	97
20) Methylene Chloride	2.86	84	7155	1.88	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	6503	2.22	ug/l	87
22) Diisopropyl ether	3.87	45	21729	2.10	ug/l #	93
23) Vinyl Acetate	3.83	43	86014	9.79	ug/l	95
24) 1,1-Dichloroethane	3.70	63	11709	2.17	ug/l	99
25) 2-Butanone	4.71	43	25912	10.73	ug/l	97
26) 2,2-Dichloropropane	4.59	77	7640	1.62	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	7728	2.15	ug/l	41
28) Bromochloromethane	5.02	49	6130	2.26	ug/l	98
29) Tetrahydrofuran	5.17	42	16513	10.54	ug/l	94
30) Chloroform	5.21	83	12612	2.13	ug/l	89
31) Cyclohexane	5.57	56	10317	2.05	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	10976	2.10	ug/l	99
36) 1,1-Dichloropropene	5.80	75	9317	2.09	ug/l	96
37) Ethyl Acetate	4.87	43	10667	2.19	ug/l #	85
38) Carbon Tetrachloride	5.78	117	9691	1.99	ug/l	93
39) Methylcyclohexane	7.46	83	9603	1.83	ug/l	97
40) Benzene	6.15	78	26794	2.03	ug/l	98
41) Methacrylonitrile	5.06	41	5833	2.18	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	10131	2.06	ug/l	96
43) Isopropyl Acetate	6.47	43	15566	2.03	ug/l	96
44) Trichloroethene	7.22	130	8061	2.07	ug/l	89
45) 1,2-Dichloropropane	7.52	63	6865	2.00	ug/l	91
46) Dibromomethane	7.67	93	4936	2.11	ug/l	95
47) Bromodichloromethane	7.90	83	8269	1.92	ug/l	97
48) Methyl methacrylate	7.78	41	7181	1.83	ug/l	94
49) 1,4-Dioxane	7.76	88	3298	40.13	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	45248	9.48	ug/l	99
52) Toluene	8.79	92	17176	2.06	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	8653	1.70	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	7859	1.70	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	6850	1.98	ug/l	92
56) Ethyl methacrylate	9.19	69	8478	1.79	ug/l	96
57) 1,3-Dichloropropane	9.38	76	11344	2.04	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	20684	9.05	ug/l	99
59) 2-Hexanone	9.50	43	35069	9.68	ug/l	100
60) Dibromochloromethane	9.59	129	6330	1.75	ug/l	98
61) 1,2-Dibromoethane	9.68	107	7054	1.95	ug/l	99
64) Tetrachloroethene	9.34	164	9883	2.26	ug/l	89
65) Chlorobenzene	10.14	112	19937	2.03	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	6697	1.89	ug/l	98
67) Ethyl Benzene	10.26	91	29819	1.88	ug/l	99
68) m/p-Xylenes	10.36	106	22661	3.66	ug/l	97
69) o-Xylene	10.70	106	11358	1.90	ug/l	97
70) Styrene	10.71	104	16976	1.75	ug/l	99
71) Bromoform	10.86	173	4875	1.67	ug/l #	98
73) Isopropylbenzene	11.02	105	29590	1.92	ug/l	99
74) N-amyl acetate	6.47	43	15566	2.12	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	10123	2.12	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	8522m	2.02	ug/l	
77) Bromobenzene	11.26	156	9126	2.06	ug/l	97
78) n-propylbenzene	11.36	91	32727	1.91	ug/l	97
79) 2-Chlorotoluene	11.43	91	21081	2.02	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	23971	1.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	1825m	1.42	ug/l	
82) 4-Chlorotoluene	11.51	91	23877	1.96	ug/l	99
83) tert-Butylbenzene	11.77	119	23745	1.86	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	23871	1.82	ug/l	98
85) sec-Butylbenzene	11.95	105	28279	1.87	ug/l	99
86) p-Isopropyltoluene	12.07	119	25031	1.82	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	16521	2.03	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	17440	2.11	ug/l	91
89) n-Butylbenzene	12.39	91	20254	1.76	ug/l	96
90) Hexachloroethane	12.60	117	3567	1.70	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	16351	2.00	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1848	1.81	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	10709	1.80	ug/l	100
94) Hexachlorobutadiene	13.79	225	5306	1.79	ug/l	97
95) Naphthalene	13.83	128	26435	1.70	ug/l	99

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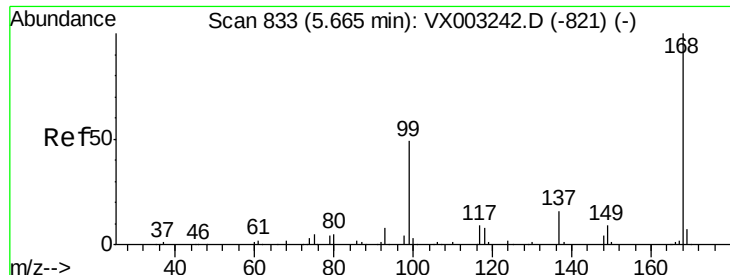
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	11233	1.89	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:168 Resp: 244262

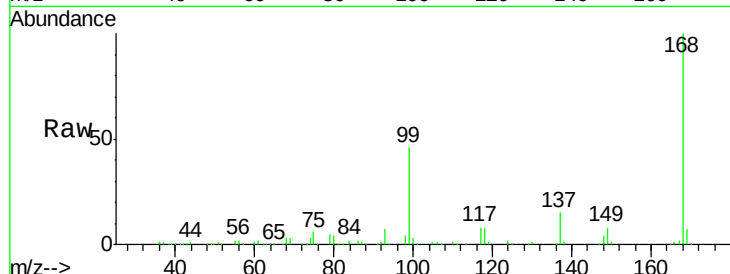
Ion Ratio Lower Upper

168 100

99 45.7 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

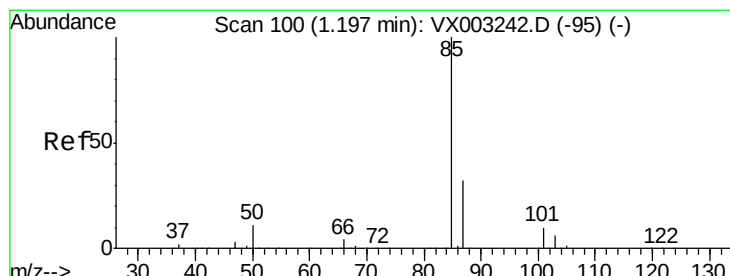
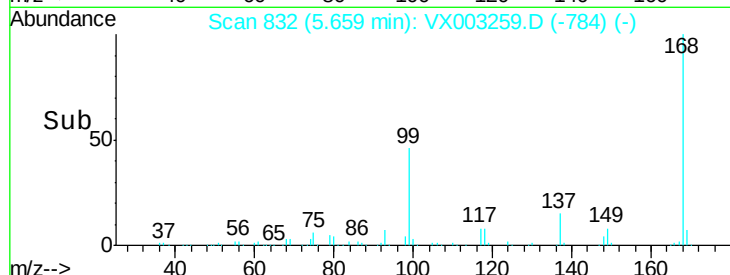
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.90 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003259.D

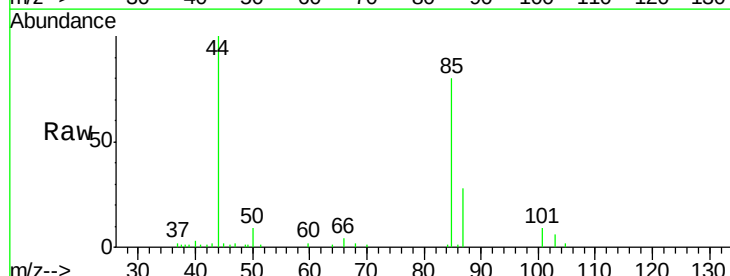
Acq: 09 Jul 2018 22:17

Tgt Ion: 85 Resp: 7059

Ion Ratio Lower Upper

85 100

87 35.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

8000

6000

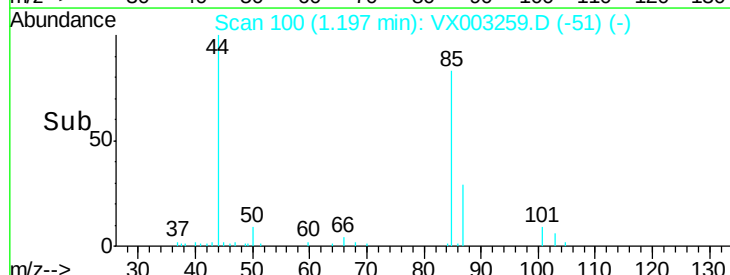
4000

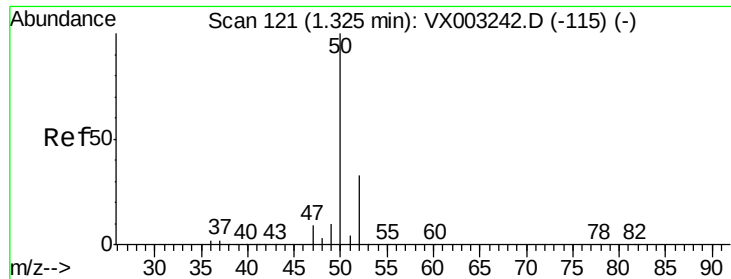
2000

0

Time-->

1.15 1.20 1.25





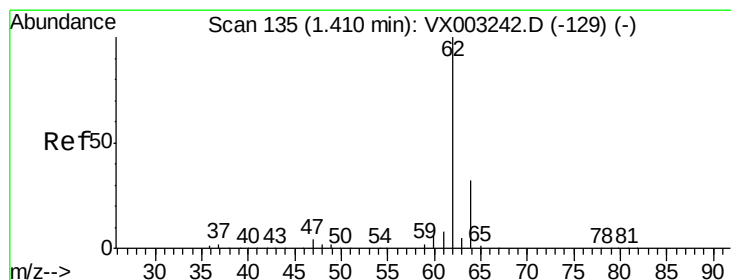
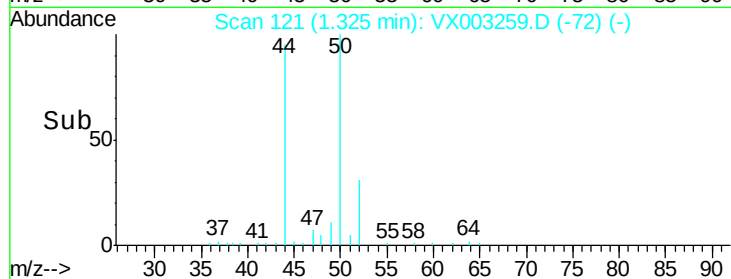
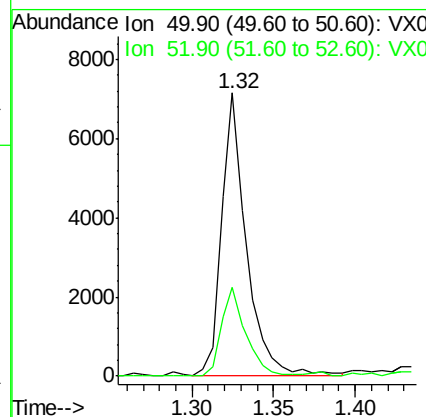
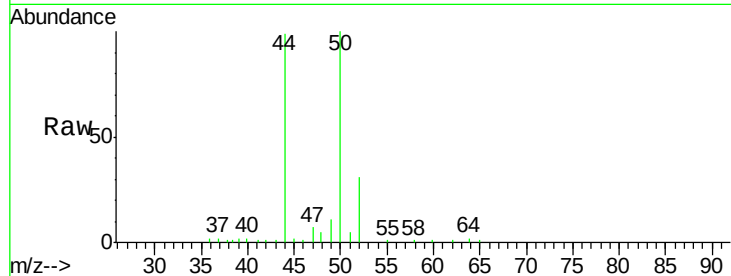
#3
Chloromethane
Concen: 2.27 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 50 Resp: 7668
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5

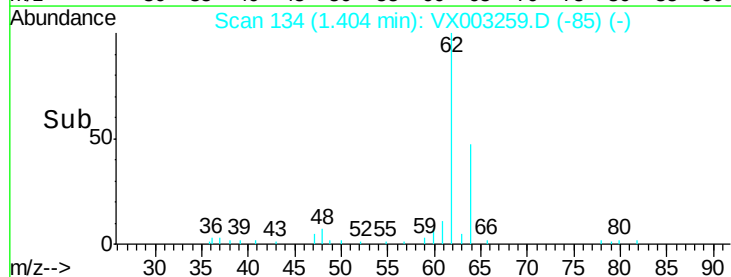
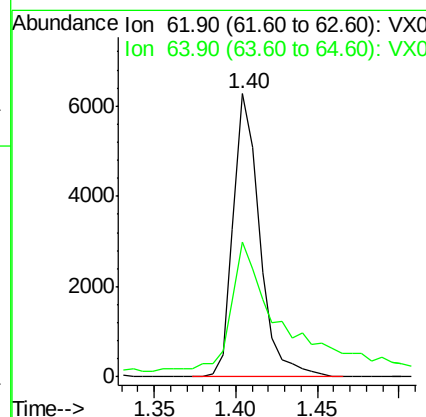
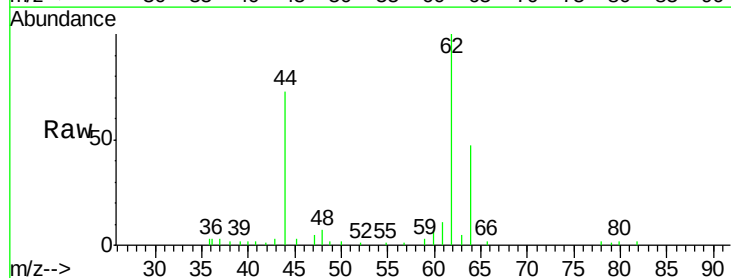
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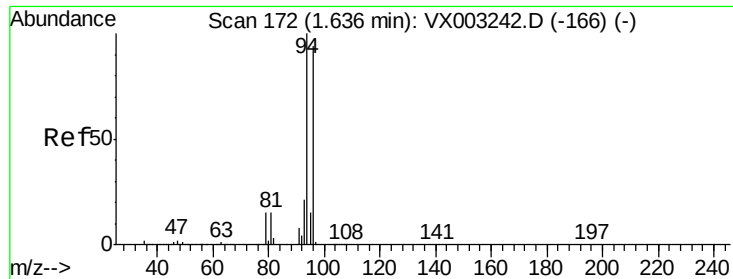
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#4
Vinyl Chloride
Concen: 2.05 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 62 Resp: 7104
Ion Ratio Lower Upper
62 100
64 44.6 25.4 38.2#





#5

Bromomethane

Concen: 1.78 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 94 Resp: 5096

Ion Ratio Lower Upper

94 100

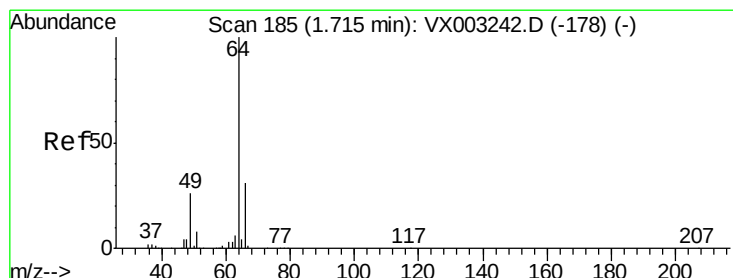
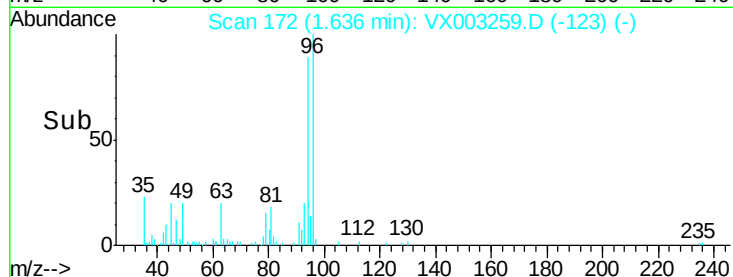
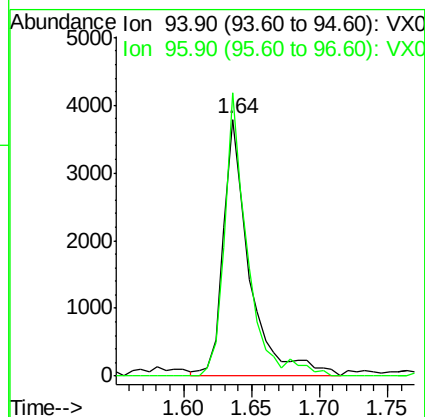
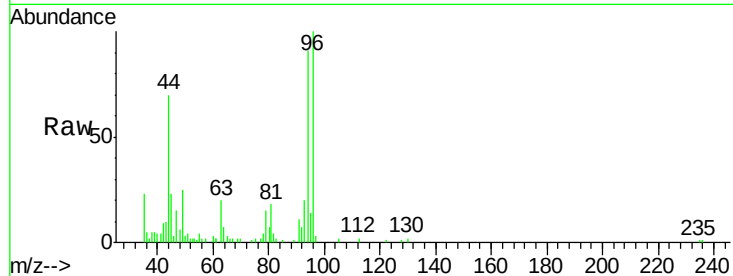
96 110.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 2.34 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003259.D

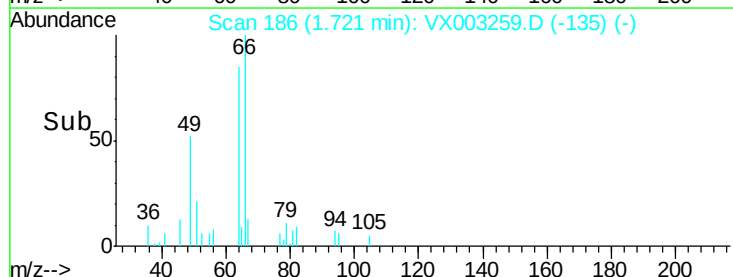
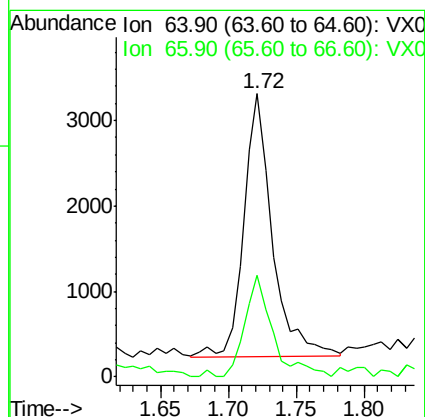
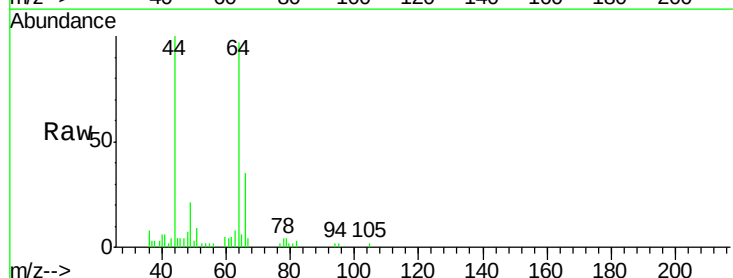
Acq: 09 Jul 2018 22:17

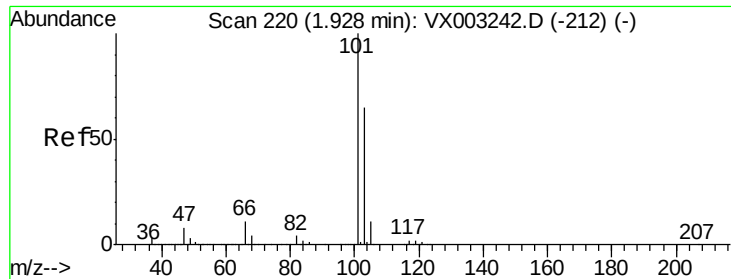
Tgt Ion: 64 Resp: 4491

Ion Ratio Lower Upper

64 100

66 38.6 25.5 38.3#





#7

Trichlorofluoromethane

Concen: 2.18 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:101 Resp: 11235

Ion Ratio Lower Upper

101 100

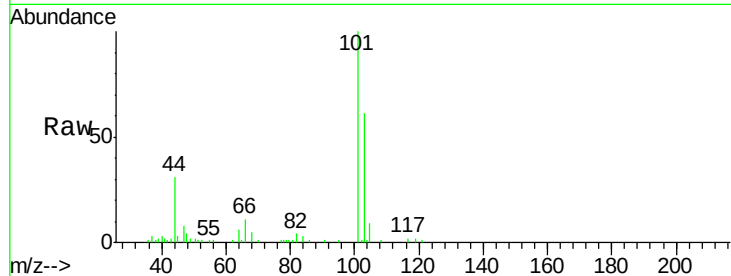
103 61.2 52.8 79.2

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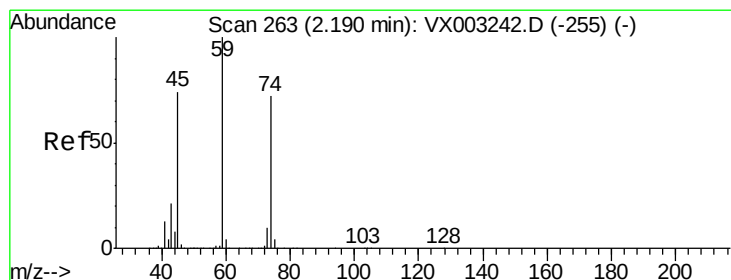
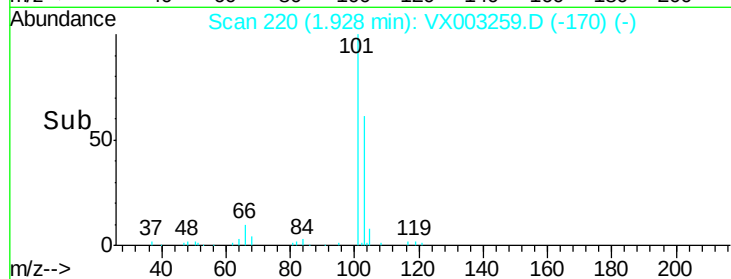
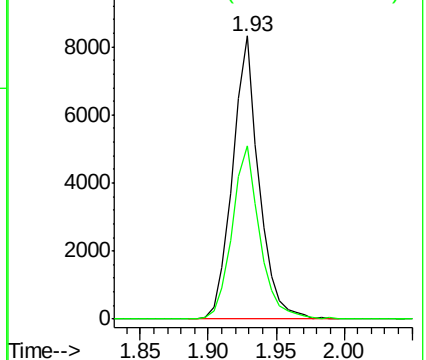
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 2.13 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003259.D

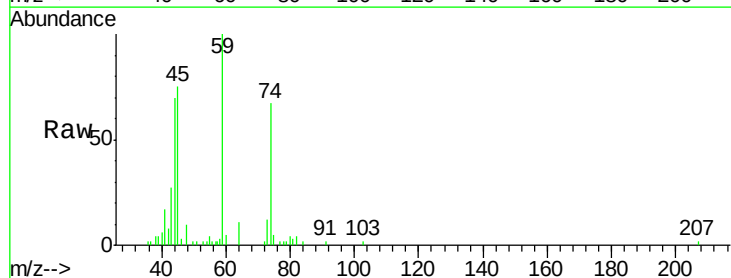
Acq: 09 Jul 2018 22:17

Tgt Ion: 74 Resp: 3960

Ion Ratio Lower Upper

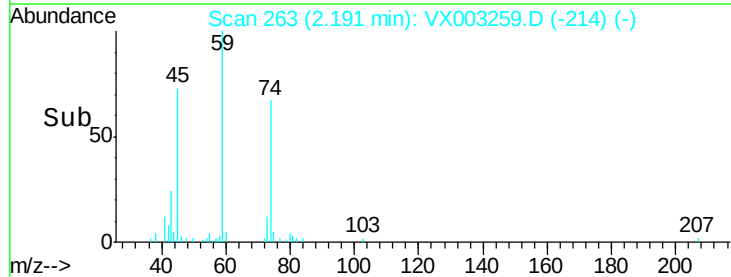
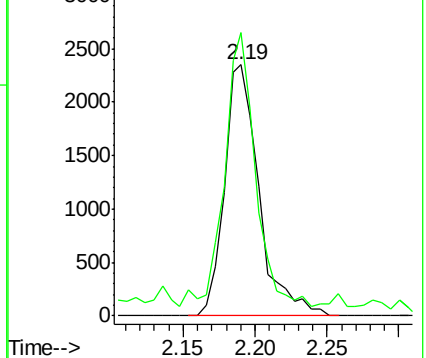
74 100

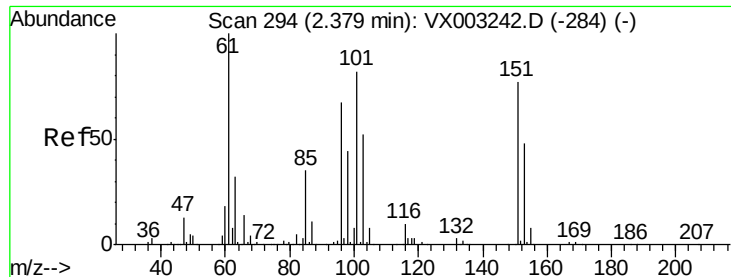
45 97.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.16 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

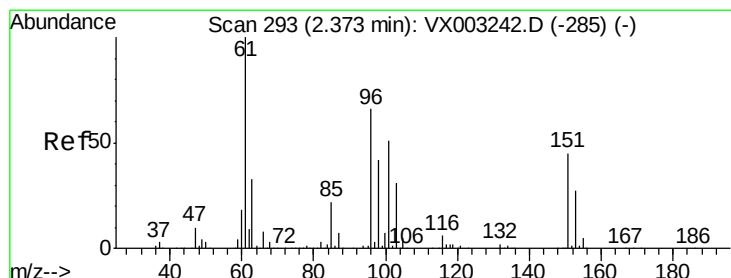
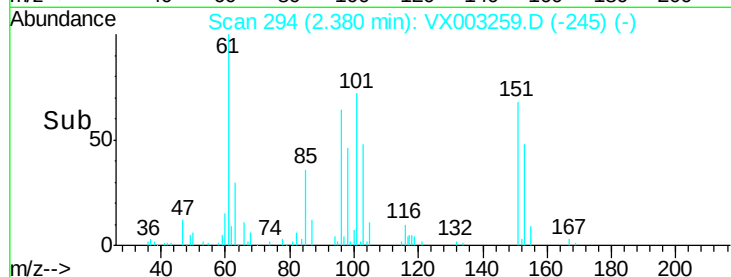
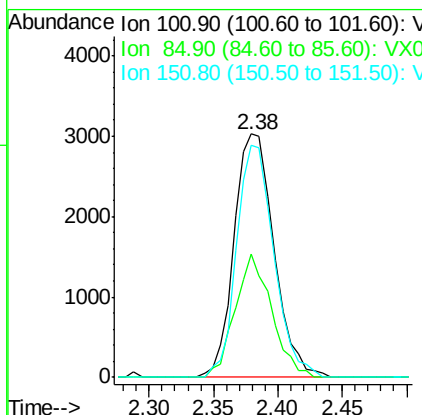
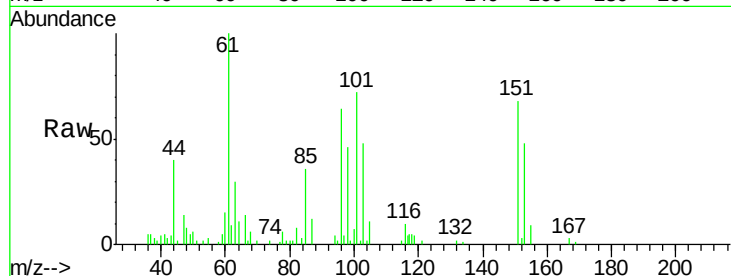
ClientSampleId :

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Tot Ion:	101	Resp:	6507
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.0	54.0
151	88.9	70.9	106.3

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#12

1,1-Dichloroethene

Concen: 2.07 ug/l

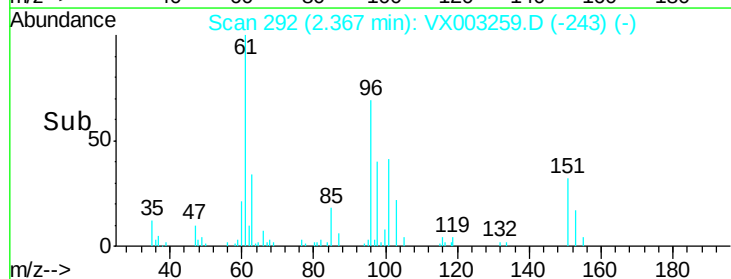
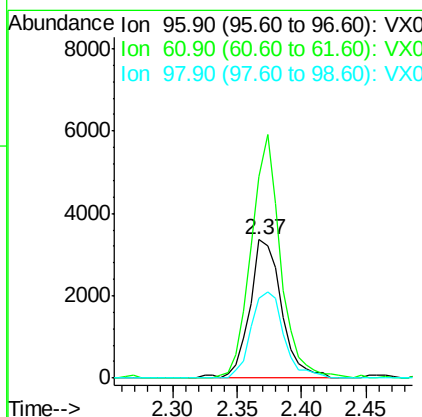
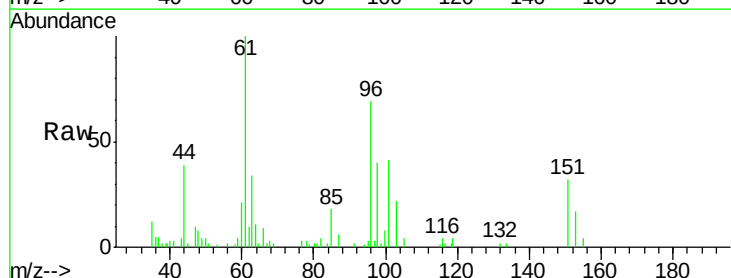
RT: 2.37 min Scan# 292

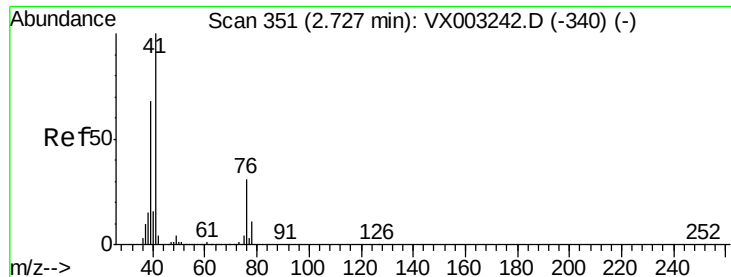
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	96	Resp:	5694
Ion	Ratio	Lower	Upper
96	100		
61	145.5	137.9	206.9
98	57.8	51.6	77.4





#14

Allvl chloride

Concen: 2.06 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

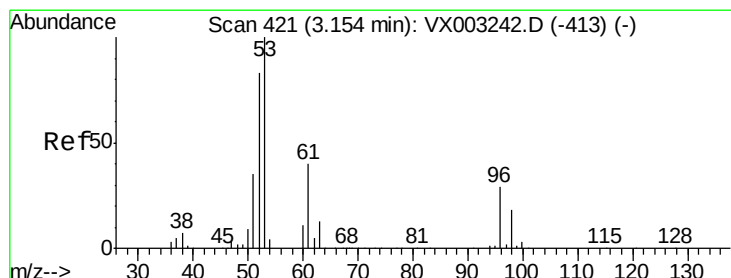
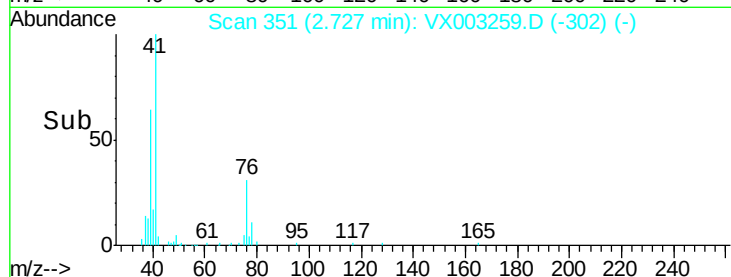
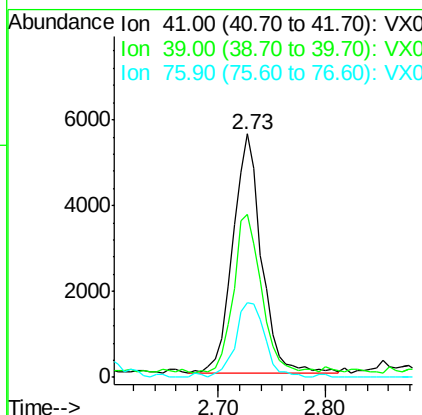
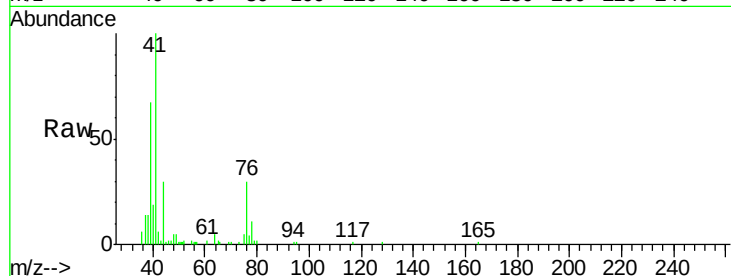
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	41	Resp:	10490
Ion	Ratio	Lower	Upper
41	100		
39	64.9	56.8	85.2
76	32.3	23.8	35.8

Manual Integrations
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#15

Acrylonitrile

Concen: 11.08 ug/l

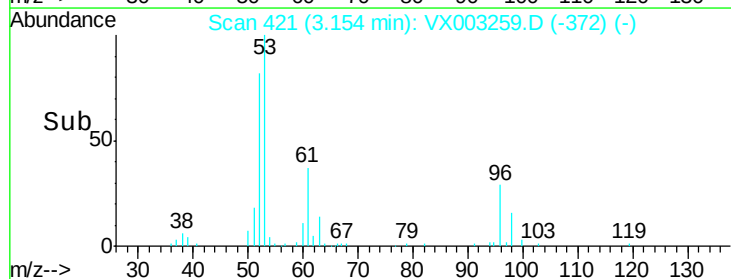
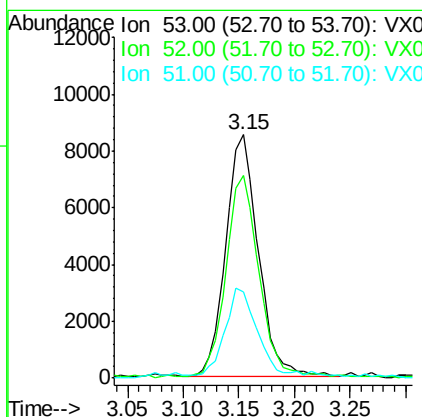
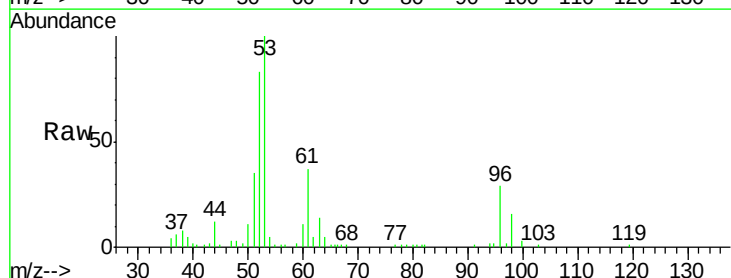
RT: 3.15 min Scan# 421

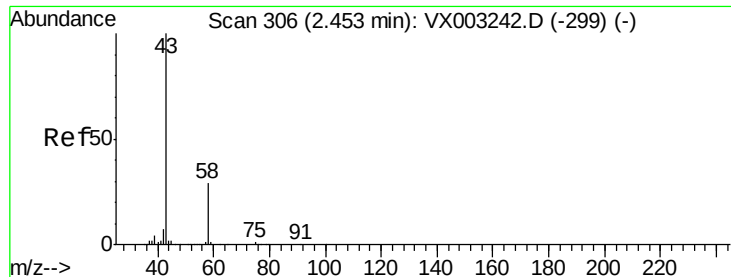
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	53	Resp:	17244
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	35.5	29.9	44.9





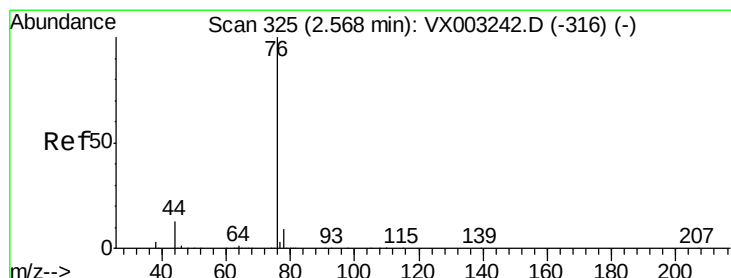
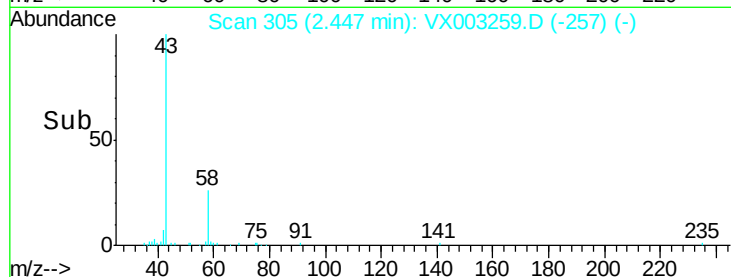
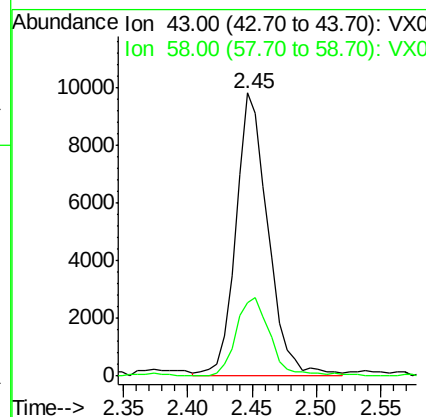
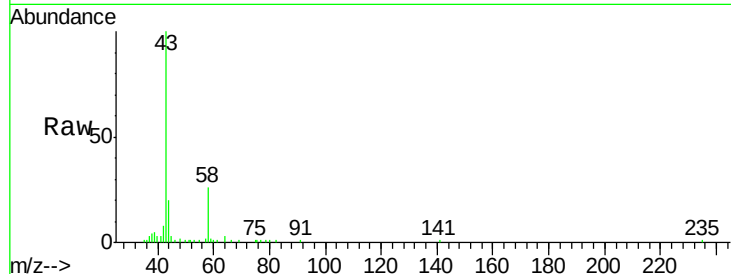
#16
Acetone
Concen: 12.54 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 17108
Ion Ratio Lower Upper
43 100
58 26.4 22.1 33.1

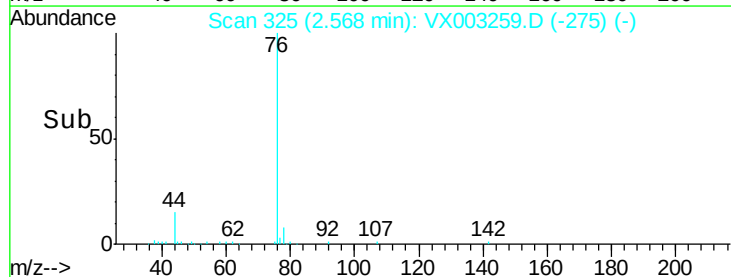
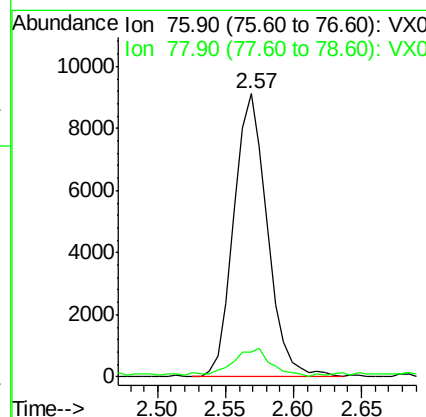
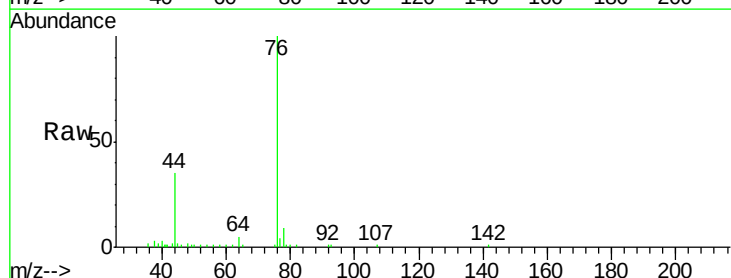
Manual Integrations
APPROVED

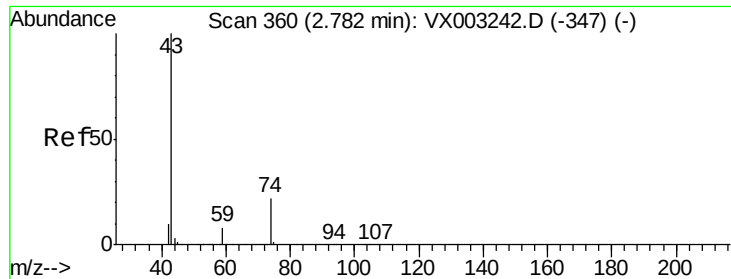
MMDadoda
7/10/2018 3:11:53 PM



#17
Carbon Disulfide
Concen: 2.05 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 76 Resp: 15646
Ion Ratio Lower Upper
76 100
78 7.4 6.9 10.3





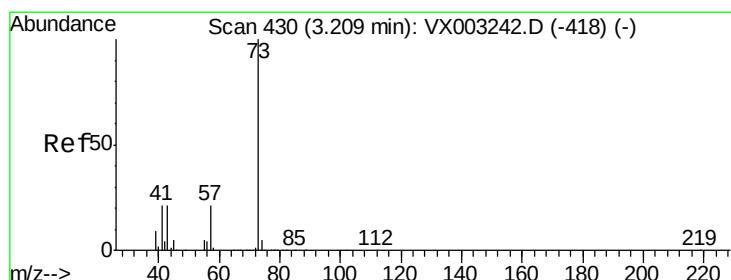
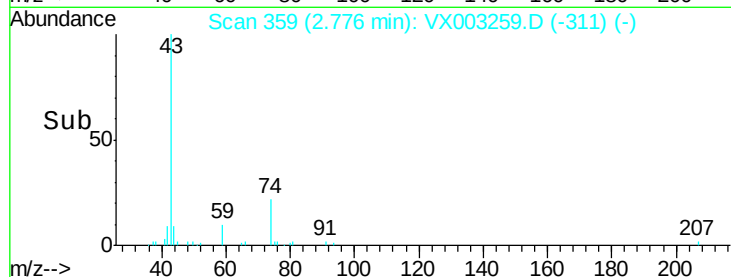
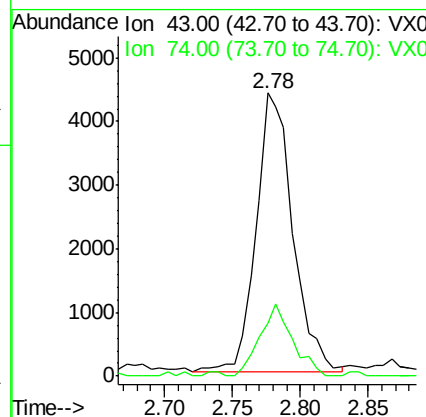
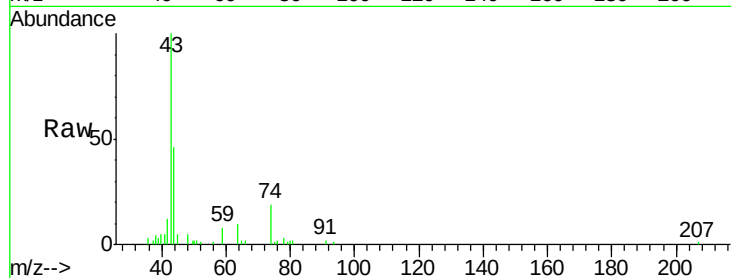
#18
Methvl Acetate
Concen: 2.16 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 43 Resp: 8324
Ion Ratio Lower Upper
43 100
74 22.9 16.7 25.1

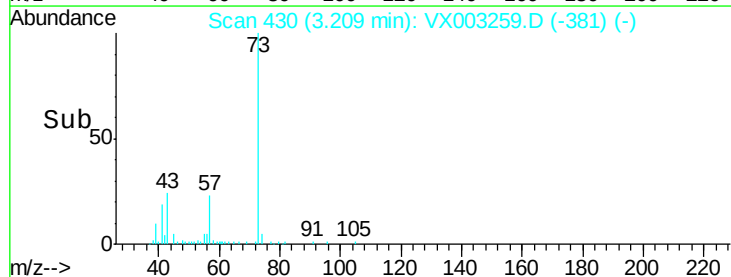
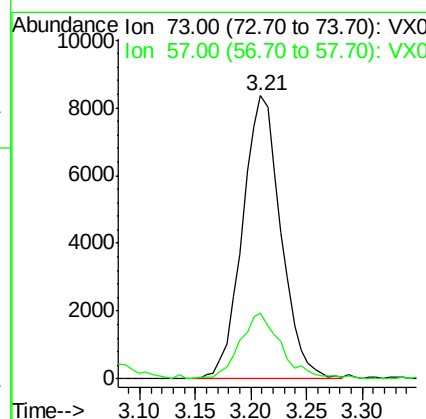
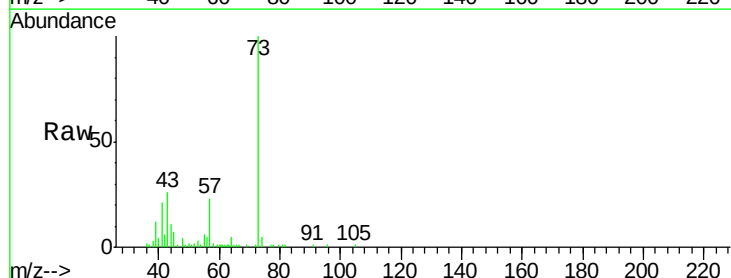
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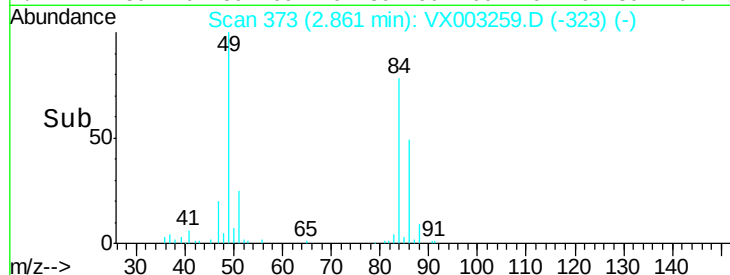
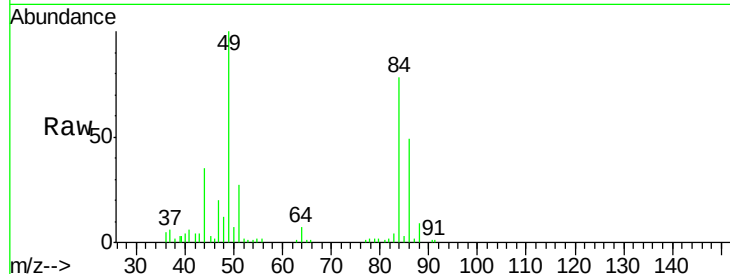
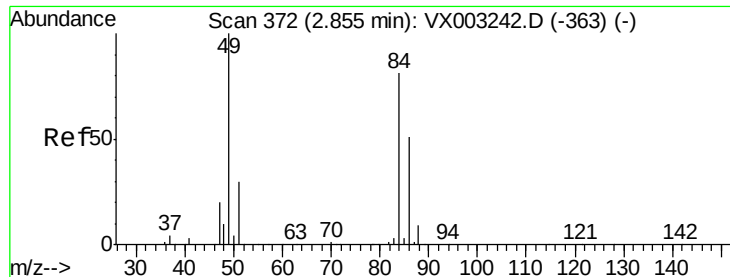
MMDadoda
7/10/2018 3:11:53 PM



#19
Methyl tert-butyl Ether
Concen: 2.19 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 73 Resp: 20120
Ion Ratio Lower Upper
73 100
57 23.5 17.7 26.5





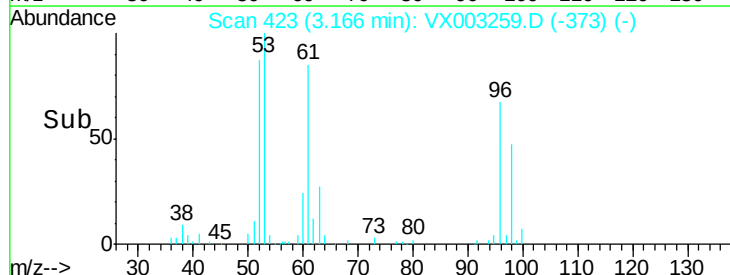
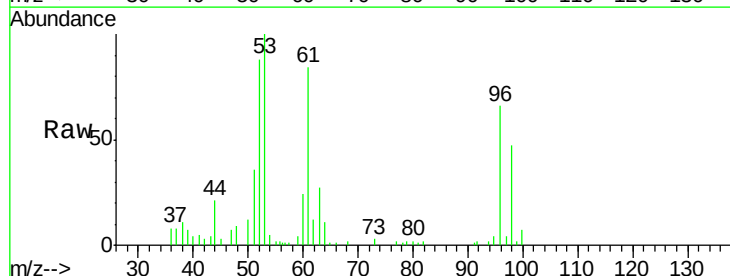
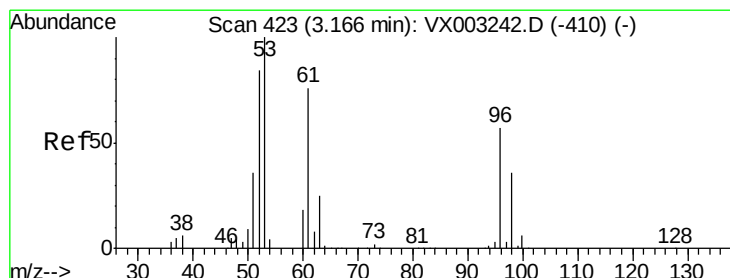
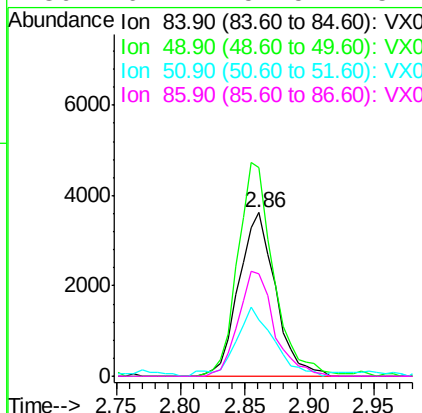
#20
Methylene Chloride
Concen: 1.88 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tot Ion:	84	Resp:	7155
Ion	Ratio	Lower	Upper
84	100		
49	127.5	107.8	161.6
51	34.8	32.8	49.2
86	62.4	52.5	78.7

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

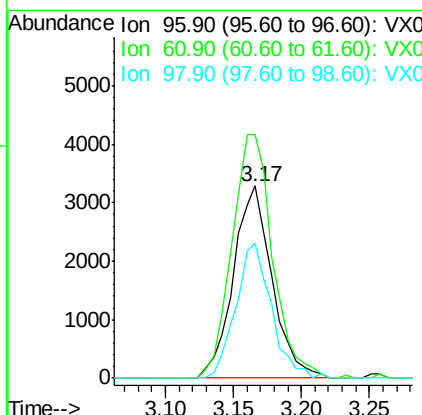
Manual Integrations
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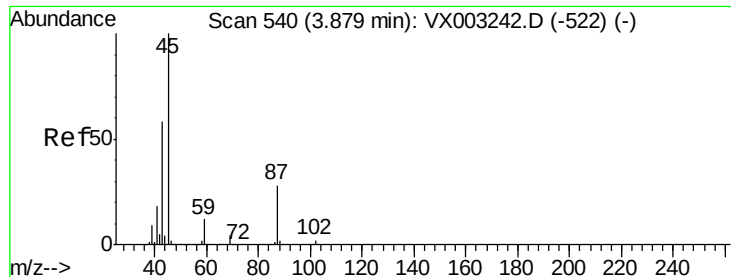
MMDadoda
7/10/2018 3:11:53 PM



#21
trans-1,2-Dichloroethene
Concen: 2.22 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:	96	Resp:	6503
Ion	Ratio	Lower	Upper
96	100		
61	126.7	117.0	175.4
98	70.4	52.4	78.6





#22

Diisopropyl ether

Concen: 2.10 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

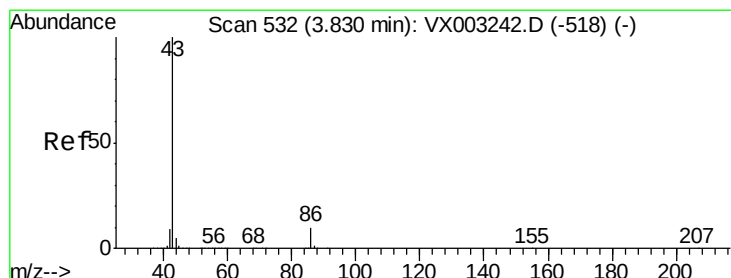
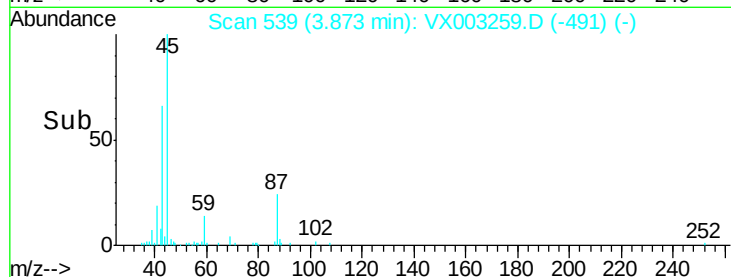
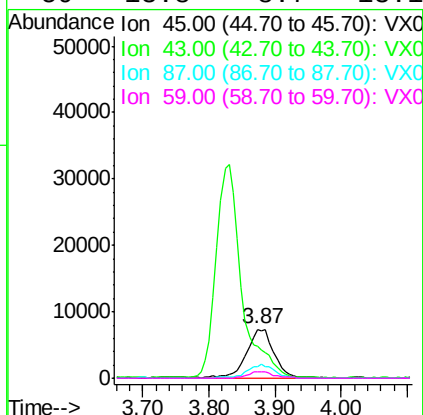
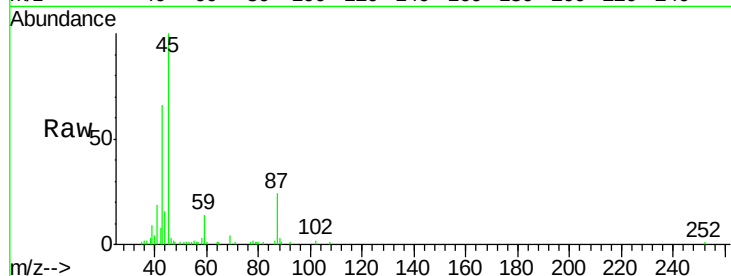
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion	45	Resp:	21729
Ion	Ratio	Lower	Upper
45	100		
43	64.8	46.8	70.2
87	24.1	20.2	30.4
59	13.8	8.7	13.1#

Manual Integrations
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MMDadoda
7/10/2018 3:11:53 PM



#23

Vinyl Acetate

Concen: 9.79 ug/l

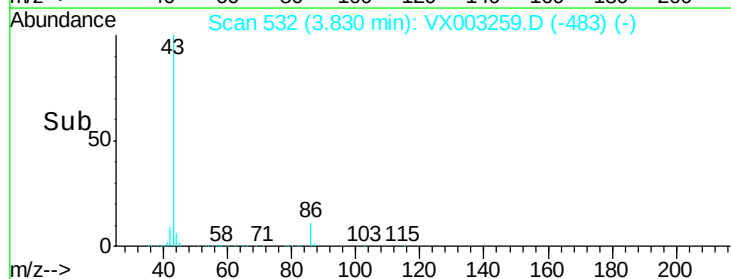
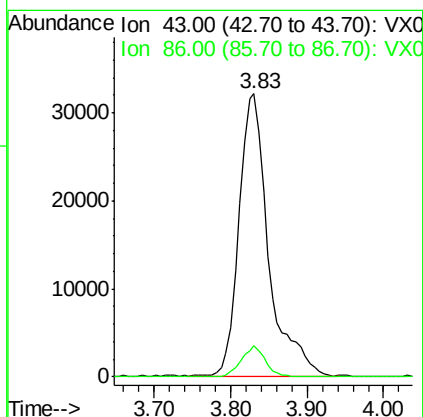
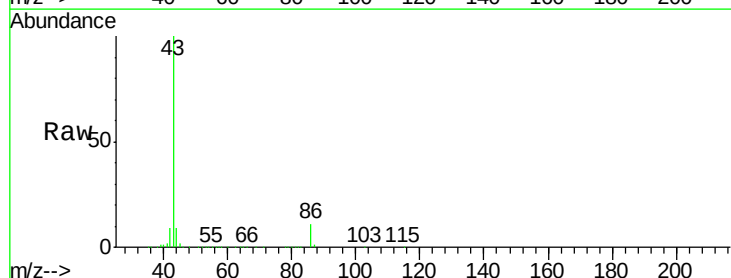
RT: 3.83 min Scan# 532

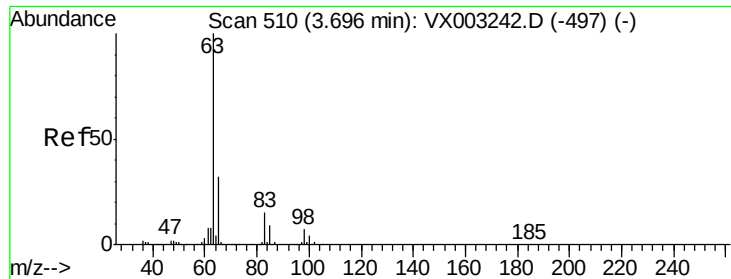
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion	43	Resp:	86014
Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.4	11.0





#24

1,1-Dichloroethane

Concen: 2.17 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

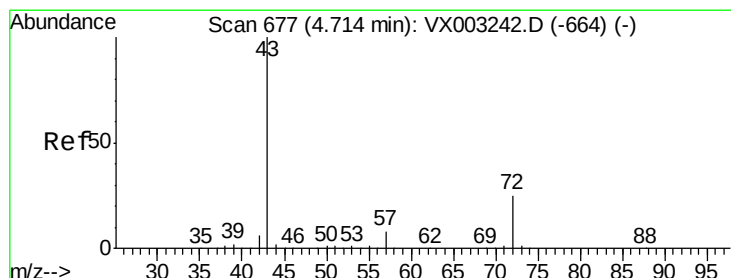
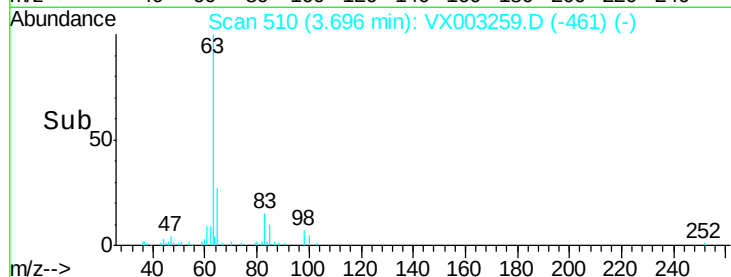
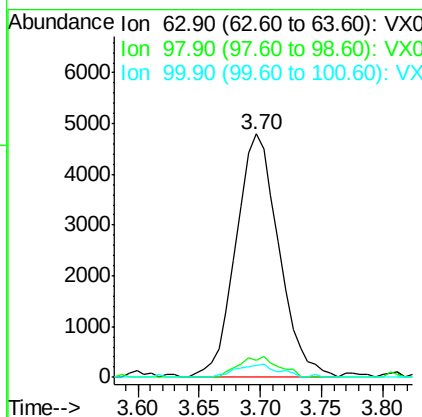
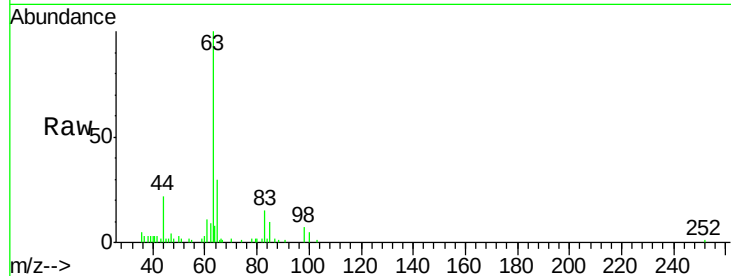
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	63	Resp:	11709
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.4	10.2
100	5.0	2.0	6.0

Manual Integrations
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#25

2-Butanone

Concen: 10.73 ug/l

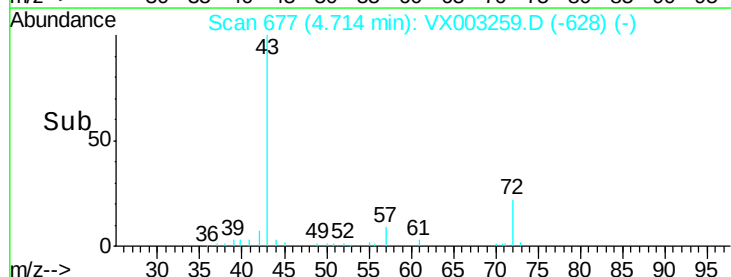
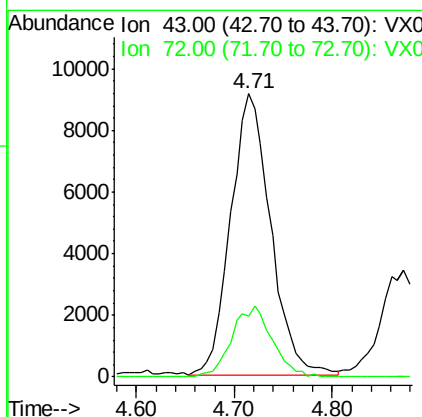
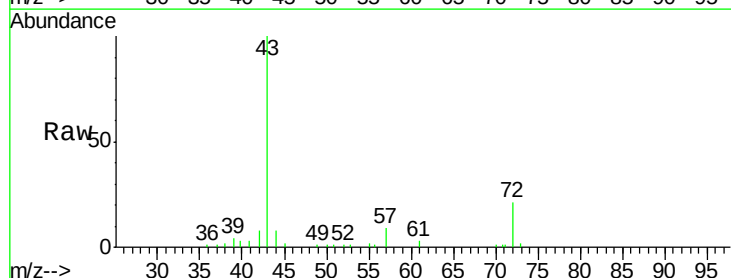
RT: 4.71 min Scan# 677

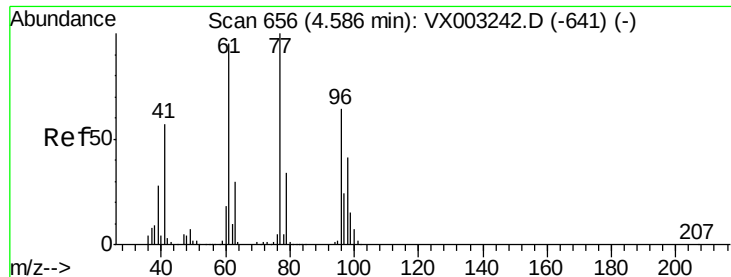
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	43	Resp:	25912
Ion Ratio	Lower	Upper	
43	100		
72	21.5	18.5	27.7





#26

2,2-Dichloropropane

Concen: 1.62 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 77 Resp: 7640

Ion Ratio Lower Upper

77 100

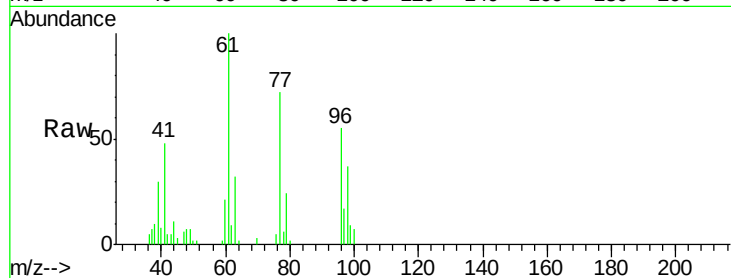
97 23.7 11.2 33.5

Manual Integrations

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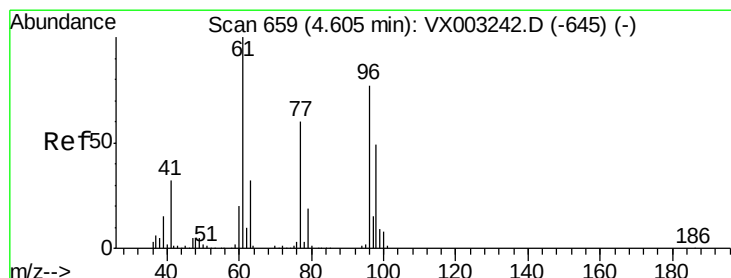
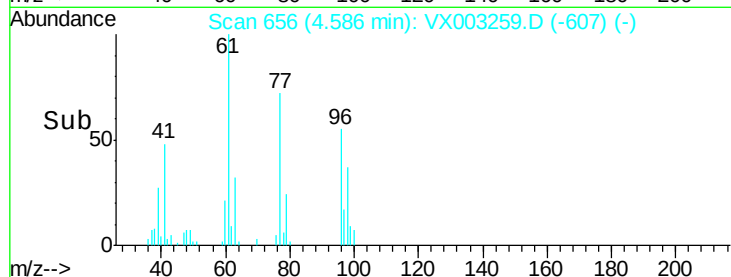
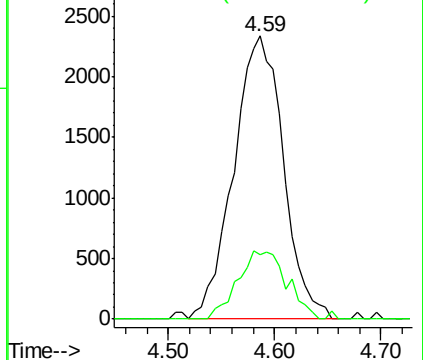
MMDadoda

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Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.15 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

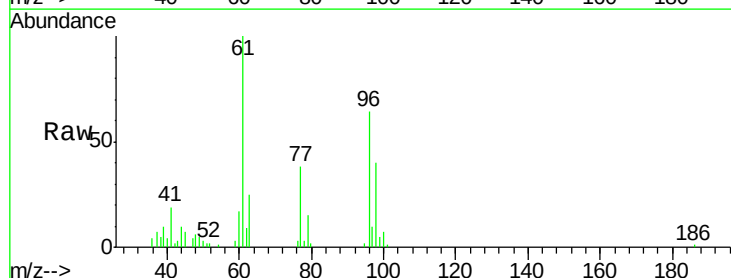
Tgt Ion: 96 Resp: 7728

Ion Ratio Lower Upper

96 100

61 275.0 0.0 330.2

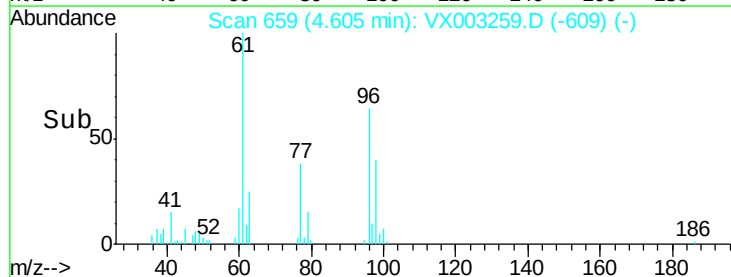
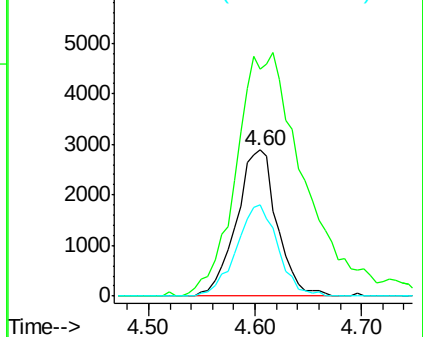
98 63.7 0.0 130.2

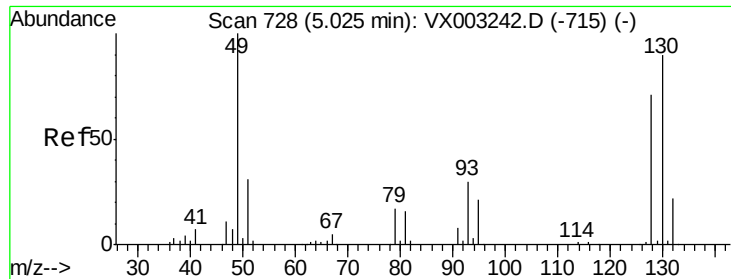


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





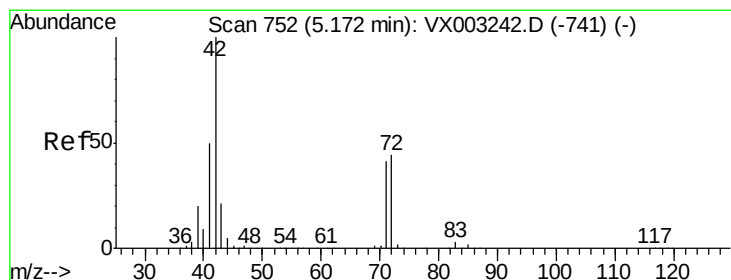
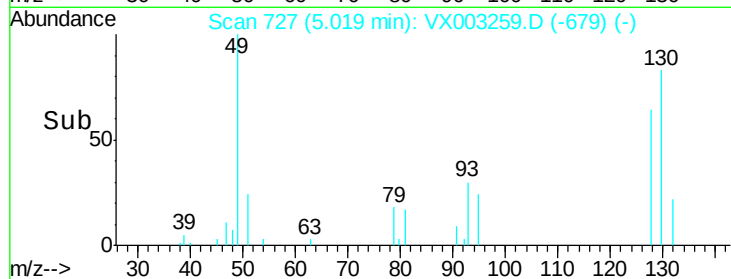
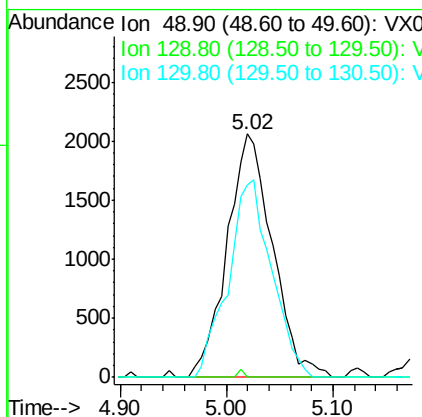
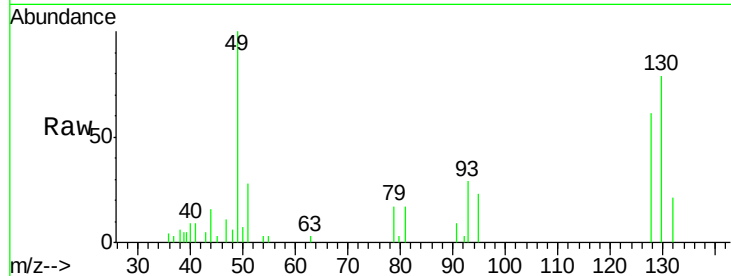
#28
 Bromochloromethane
 Concen: 2.26 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion: 49 Resp: 6130
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 4.2
 130 77.8 61.2 91.8

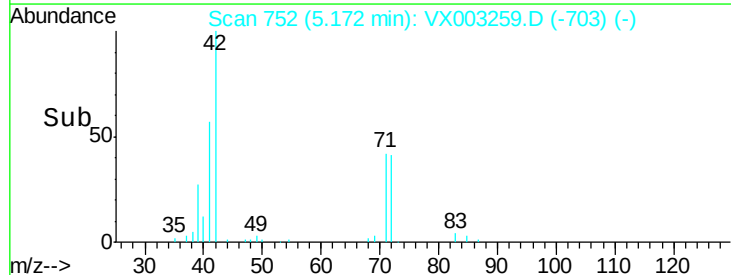
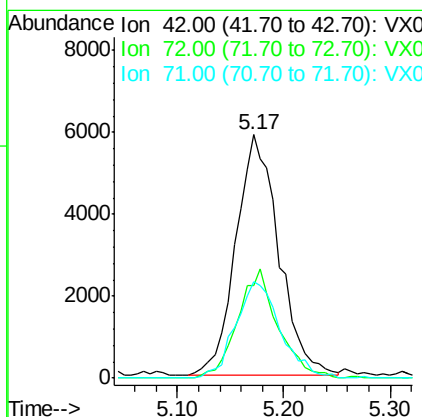
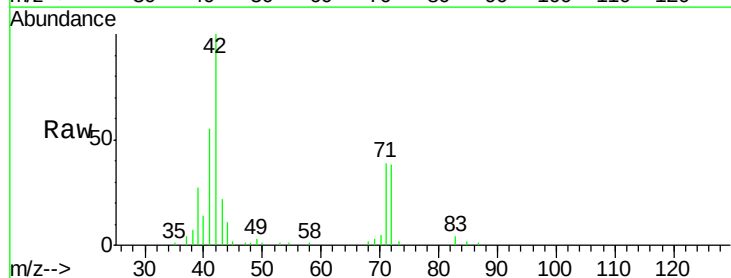
Manual Integrations
 APPROVED

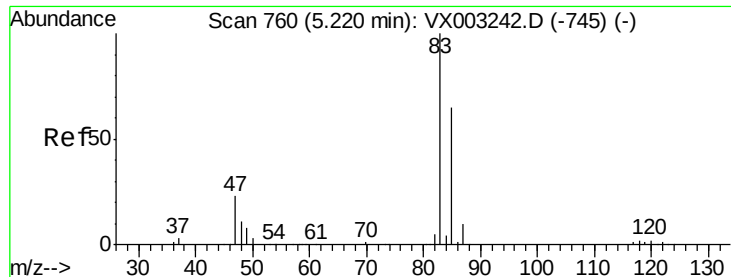
MMDadoda
 7/10/2018 3:11:53 PM



#29
 Tetrahydrofuran
 Concen: 10.54 ug/l
 RT: 5.17 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 42 Resp: 16513
 Ion Ratio Lower Upper
 42 100
 72 42.7 32.0 48.0
 71 42.2 30.1 45.1





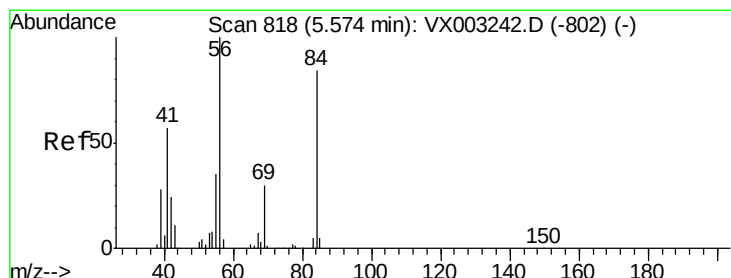
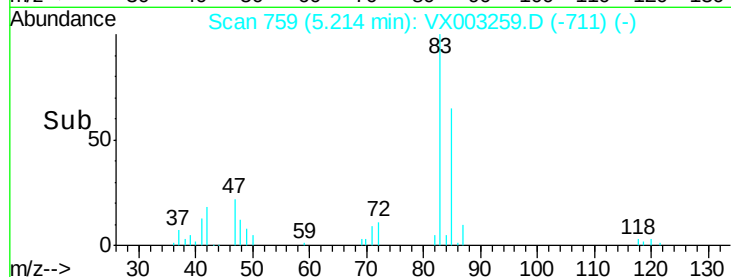
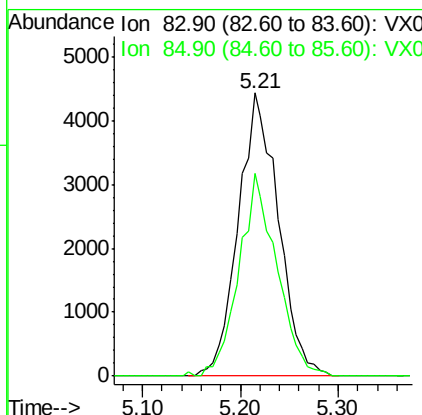
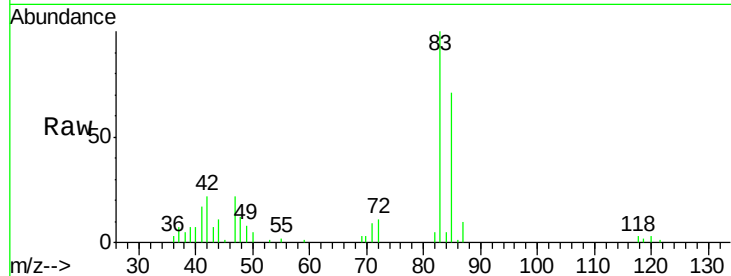
#30
Chloroform
Concen: 2.13 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 83 Resp: 12612
Ion Ratio Lower Upper
83 100
85 71.4 50.4 75.6

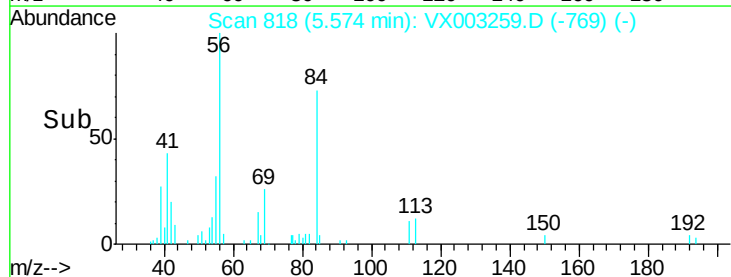
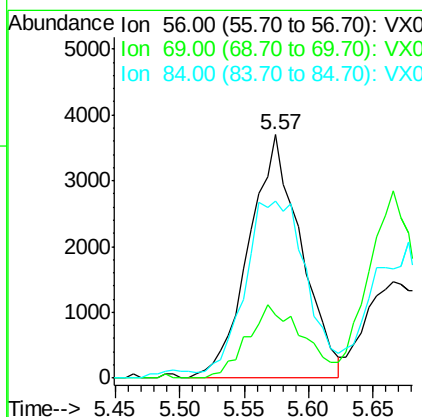
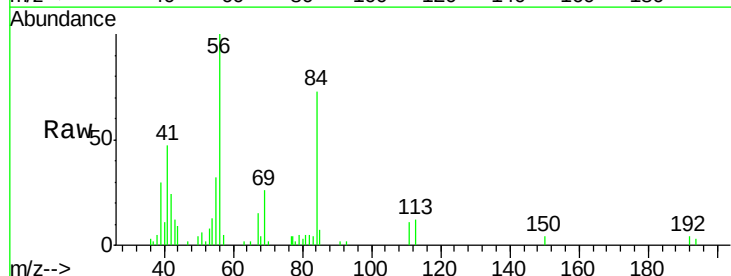
Manual Integrations
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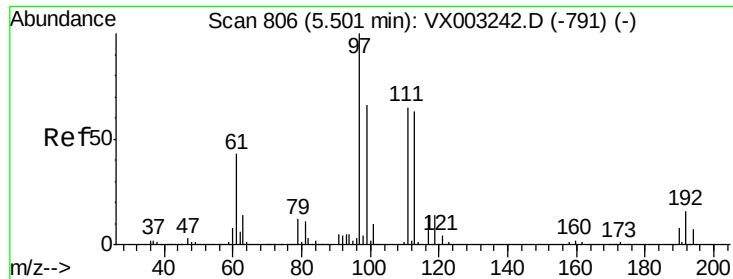
MMDadoda
7/10/2018 3:11:53 PM



#31
Cyclohexane
Concen: 2.05 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 56 Resp: 10317
Ion Ratio Lower Upper
56 100
69 25.7 23.7 35.5
84 69.9 64.1 96.1





#32

1,1,1-Trichloroethane

Concen: 2.10 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

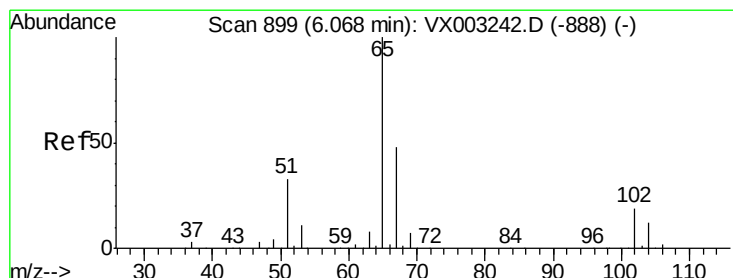
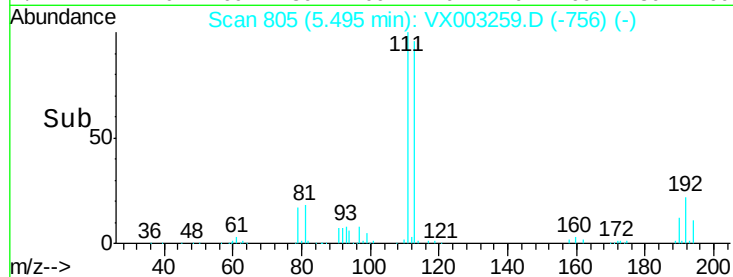
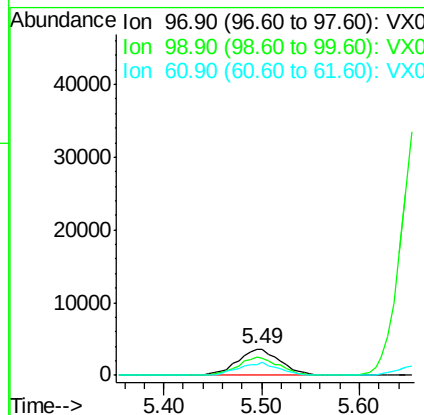
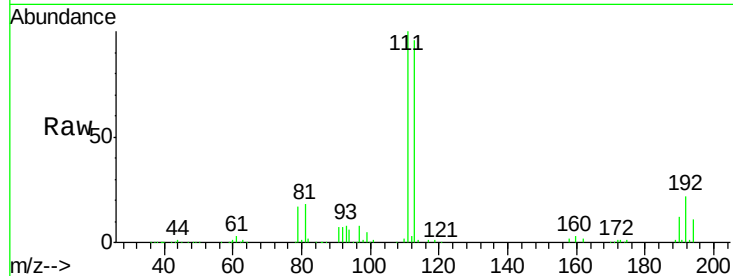
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	97	Resp:	10976
Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	46.1	36.4	54.6

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#33

1,2-Dichloroethane-d4

Concen: 51.71 ug/l

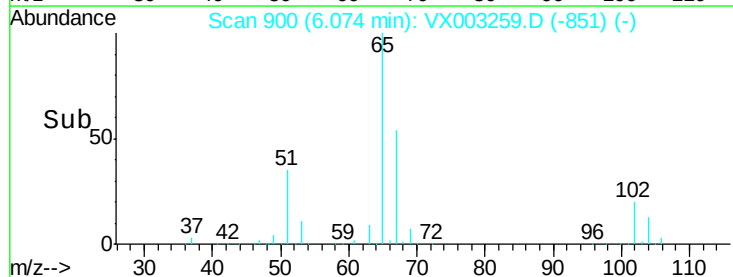
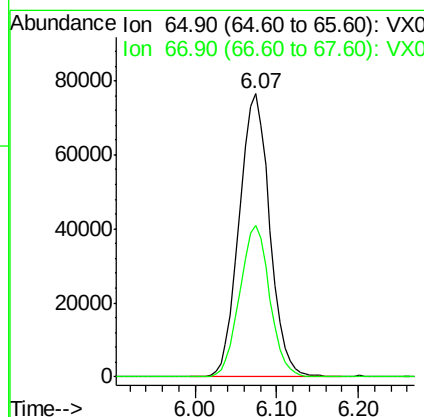
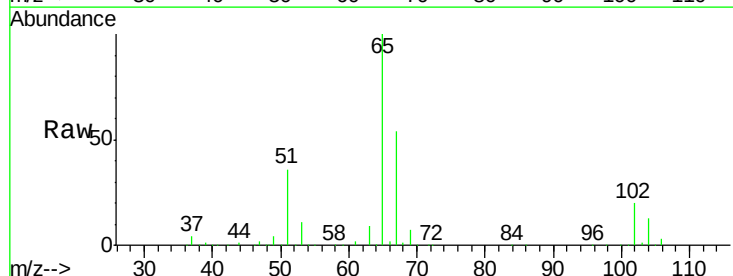
RT: 6.07 min Scan# 900

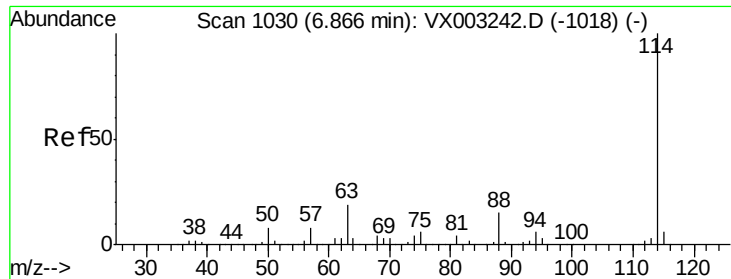
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	65	Resp:	198781
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.6





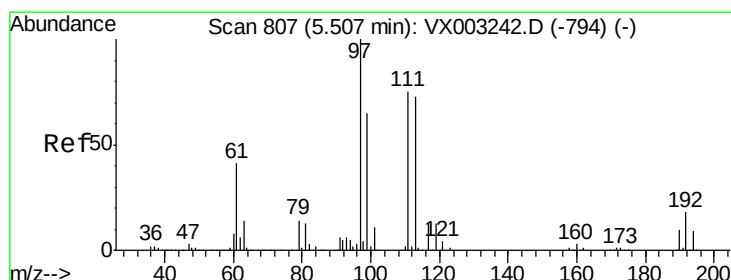
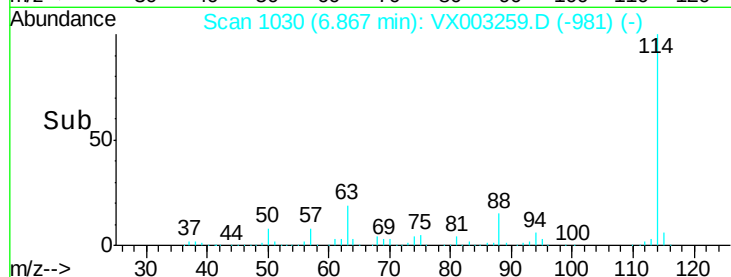
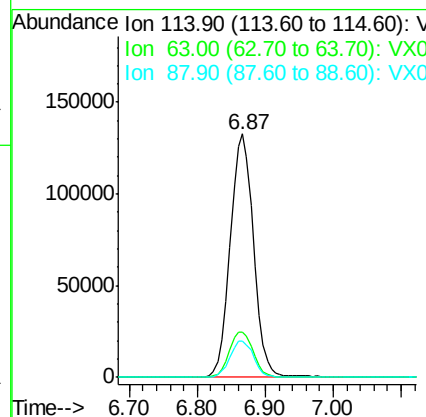
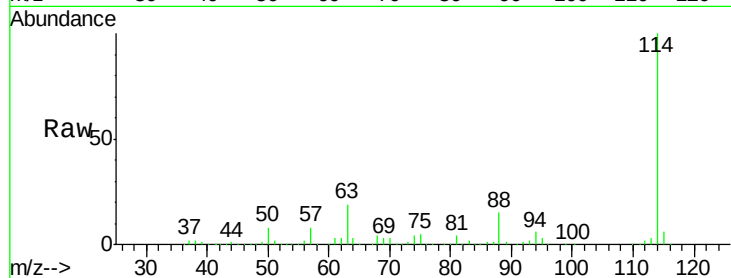
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
114	100	314494		
63	18.6	0.0	41.4	
88	14.8	0.0	30.0	

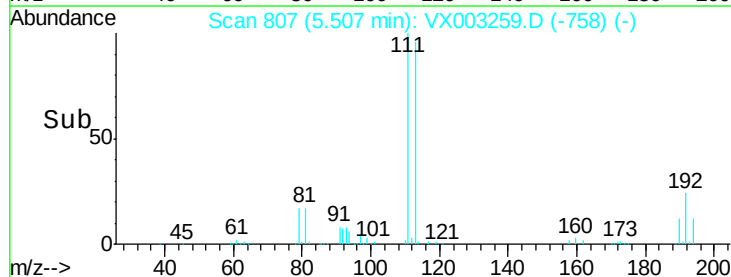
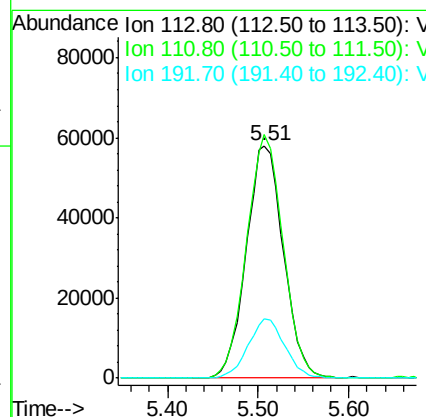
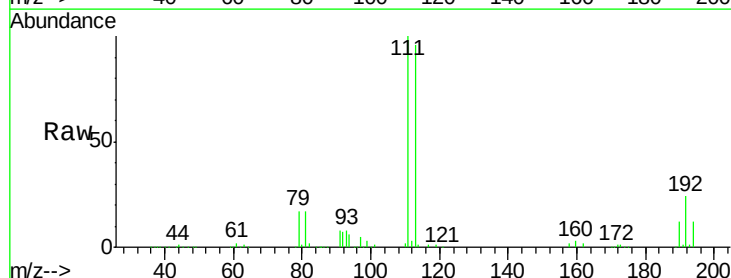
Manual Integrations
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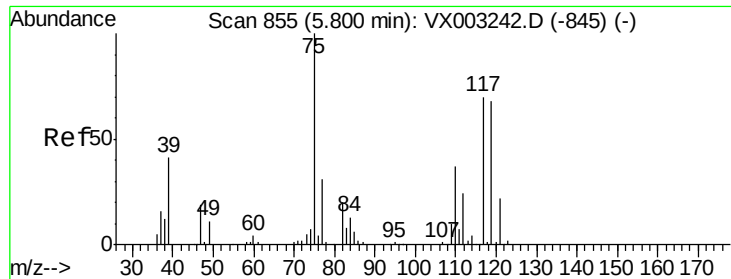
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 48.78 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	164818		
111	102.9	81.4	122.0	
192	25.2	19.1	28.7	





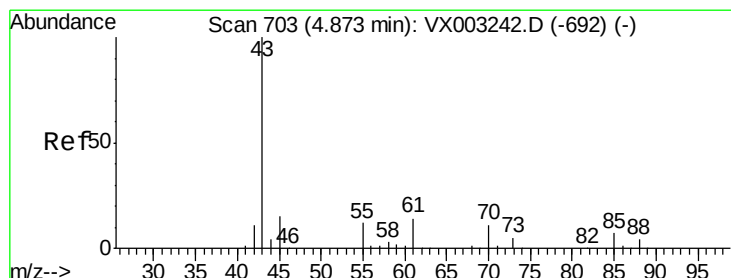
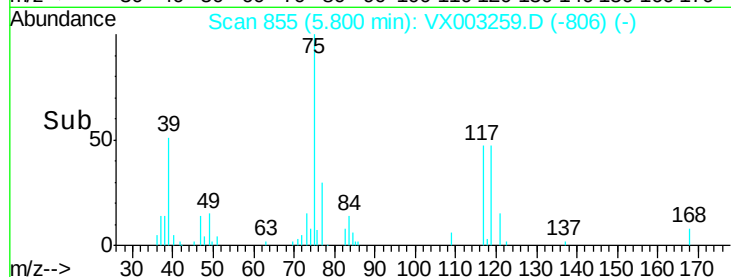
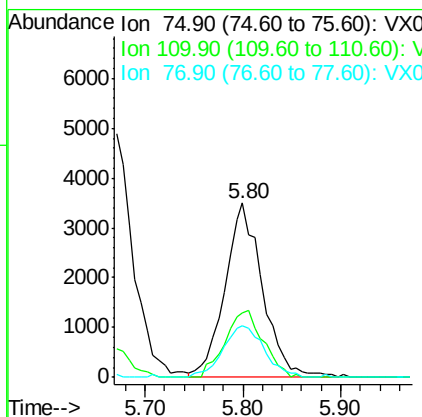
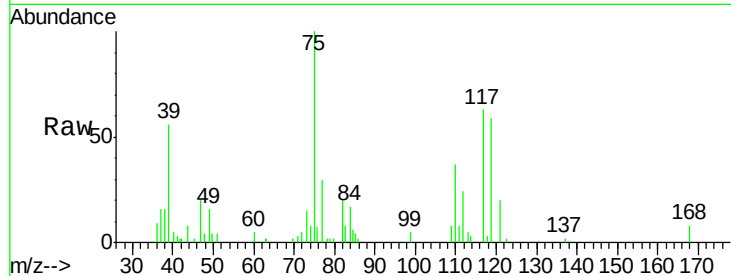
#36
 1,1-Dichloropropene
 Concen: 2.09 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.7	18.1	54.4
77	32.5	24.3	36.5

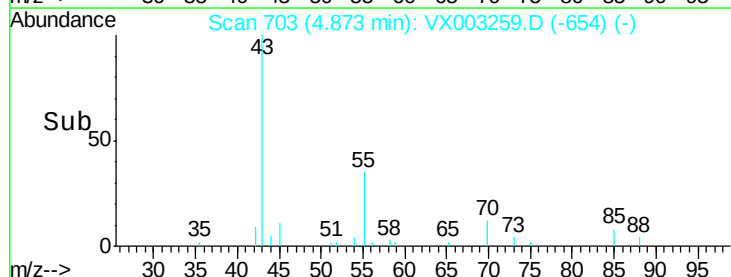
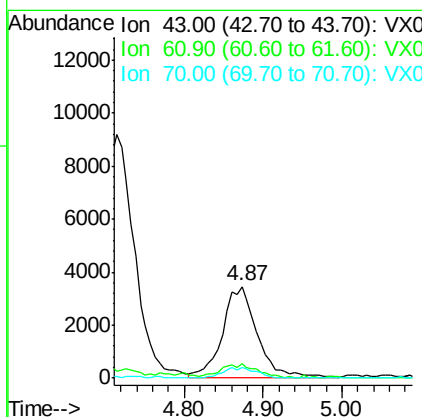
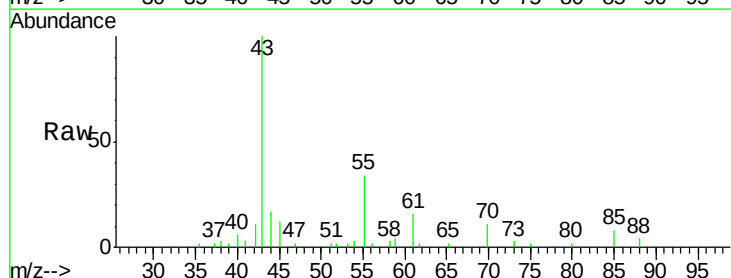
Manual Integrations
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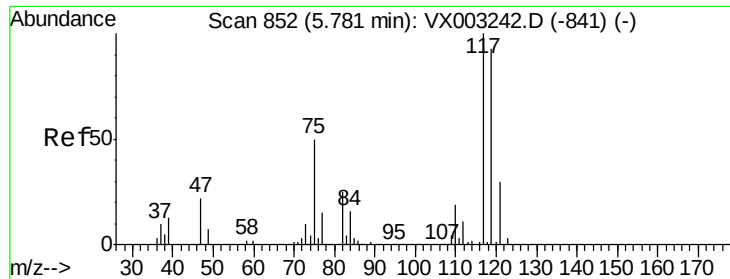
MMDadoda
 7/10/2018 3:11:53 PM



#37
 Ethyl Acetate
 Concen: 2.19 ug/l
 RT: 4.87 min Scan# 703
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.4	10.4	15.6#
70	5.1	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 1.99 ug/l

RT: 5.78 min Scan# 852

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

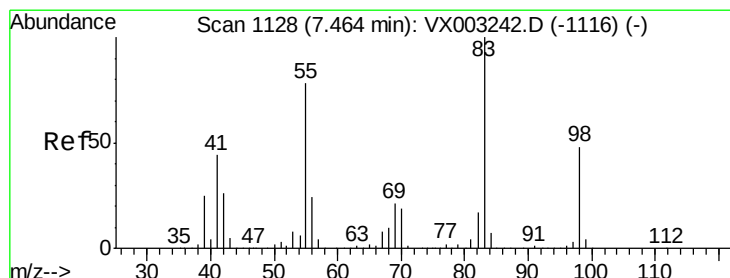
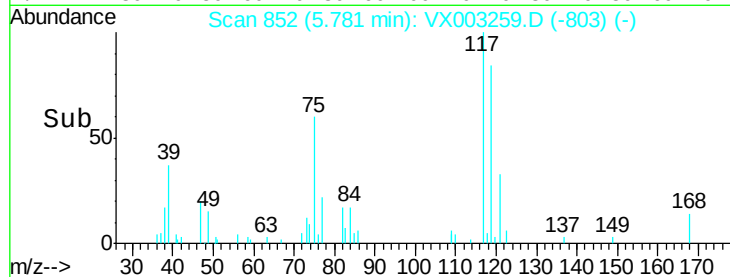
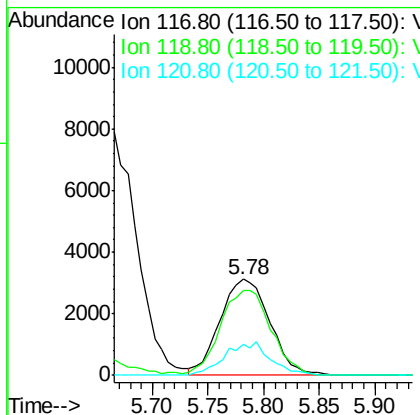
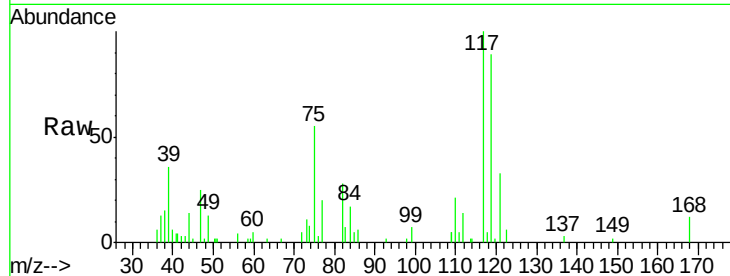
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	117	Resp:	9691
Ion	Ratio	Lower	Upper
117	100		
119	88.8	77.4	116.0
121	32.6	24.4	36.6

Manual Integrations
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#39

Methylcyclohexane

Concen: 1.83 ug/l

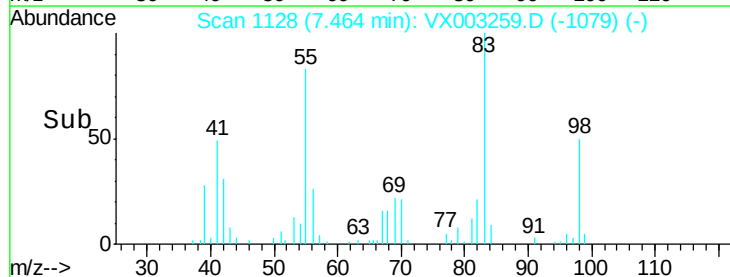
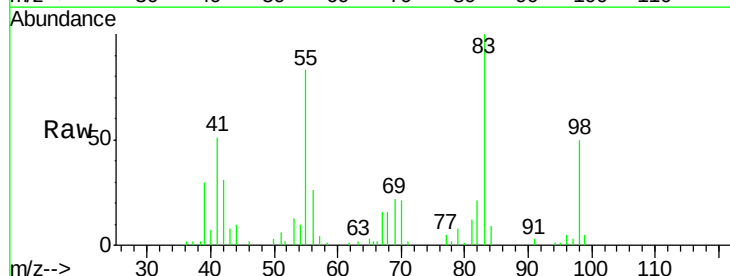
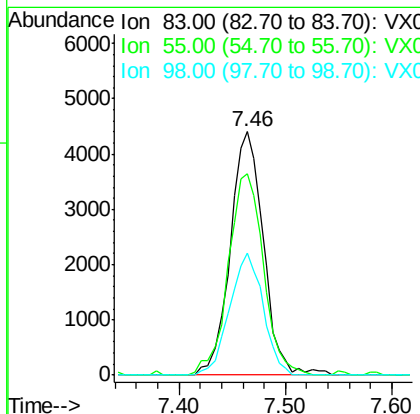
RT: 7.46 min Scan# 1128

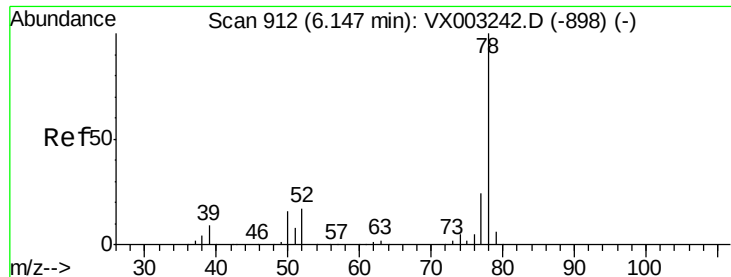
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	83	Resp:	9603
Ion	Ratio	Lower	Upper
83	100		
55	83.0	65.4	98.0
98	50.1	37.4	56.0





#40

Benzene

Concen: 2.03 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 78 Resp: 26794

Ion Ratio Lower Upper

78 100

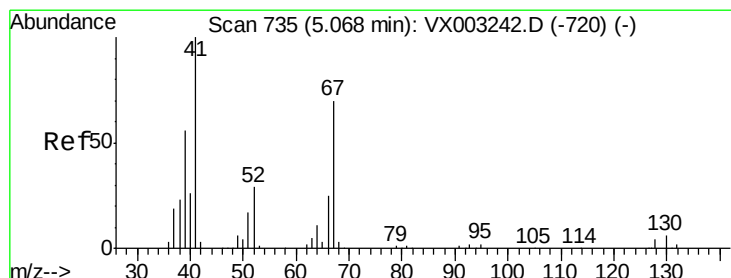
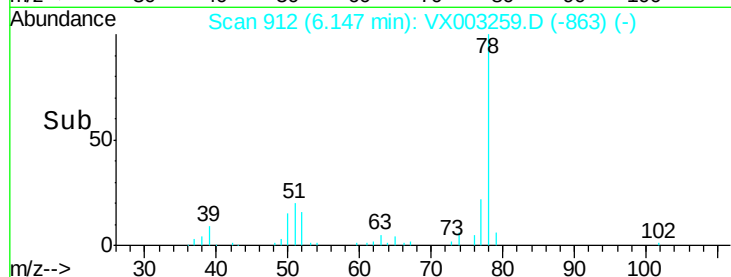
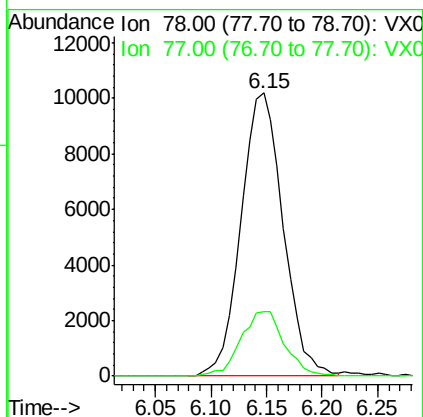
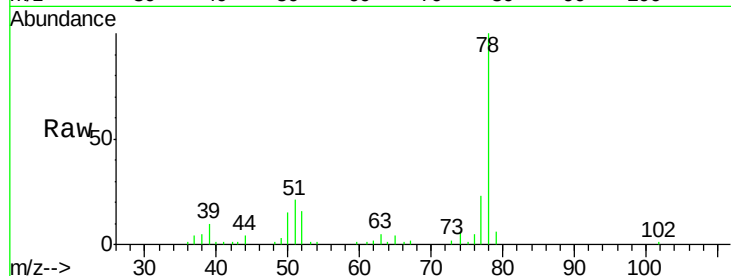
77 22.9 19.1 28.7

Manual Integrations

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#41

Methacrylonitrile

Concen: 2.18 ug/l

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion: 41 Resp: 5833

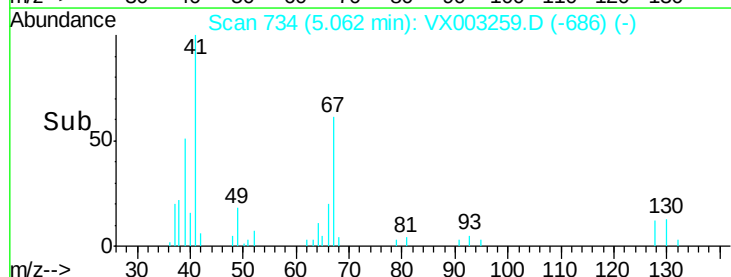
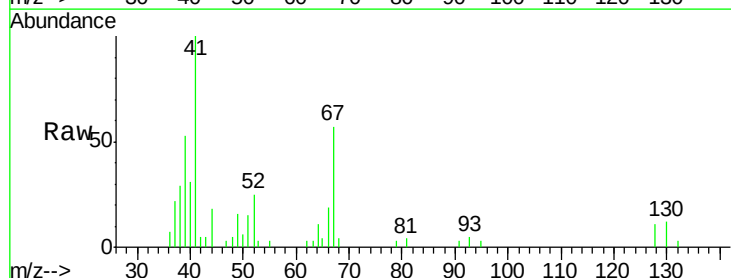
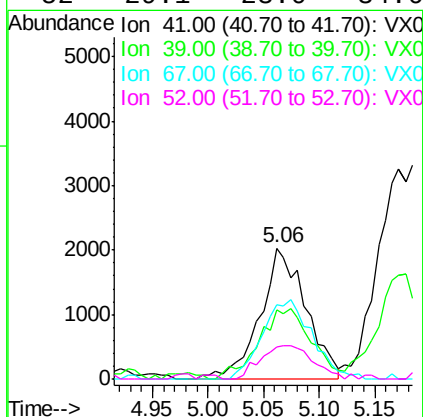
Ion Ratio Lower Upper

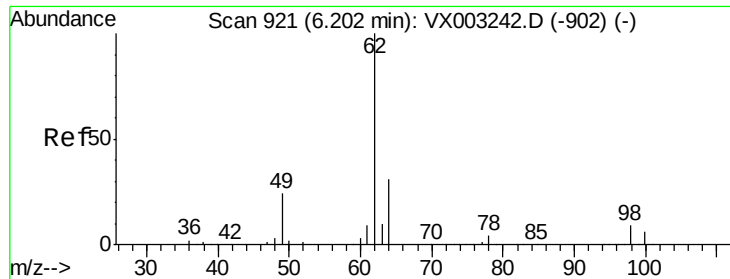
41 100

39 62.0 45.8 68.6

67 65.5 51.3 76.9

52 29.1 23.0 34.6





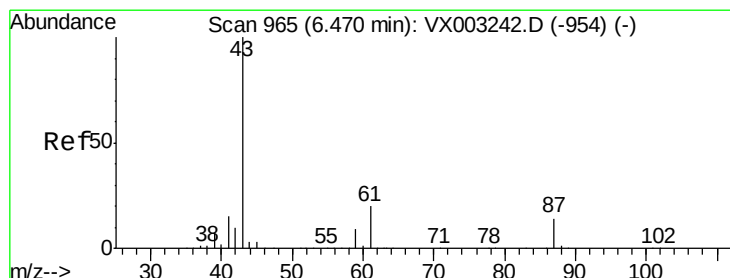
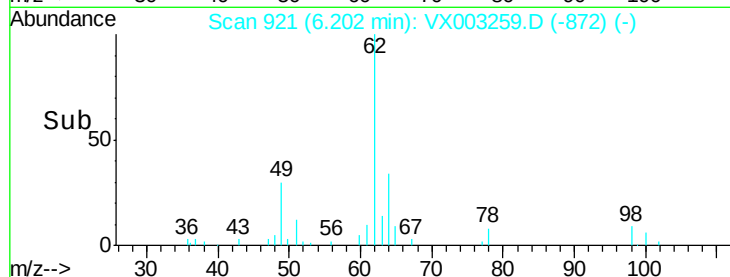
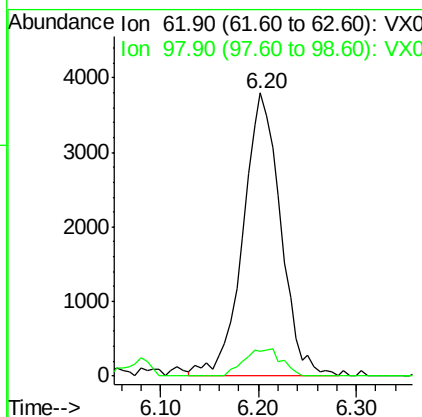
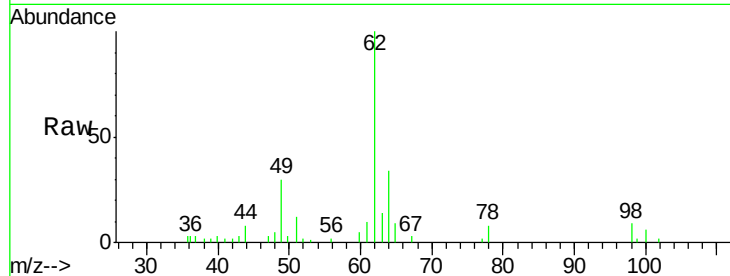
#42
 1,2-Dichloroethane
 Concen: 2.06 ug/l
 RT: 6.20 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
62	100	10131		
98	9.6	0.0	16.6	

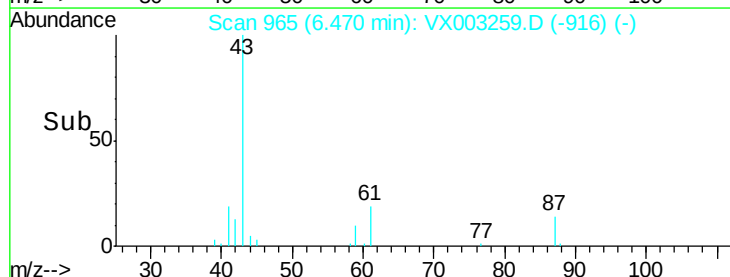
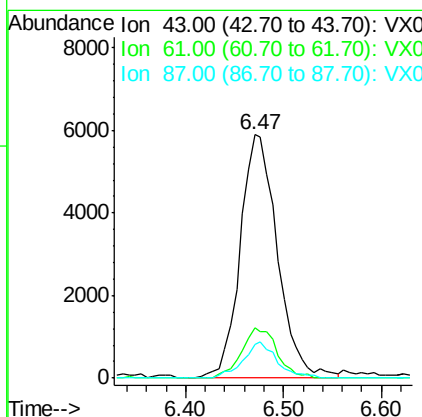
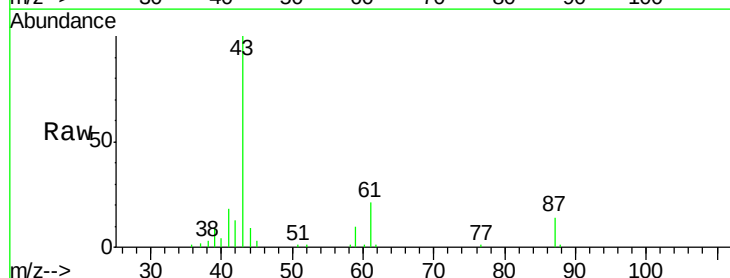
Manual Integrations
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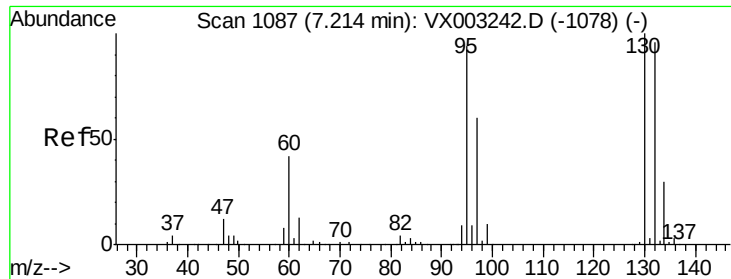
MMDadoda
 7/10/2018 3:11:53 PM



#43
 Isopropyl Acetate
 Concen: 2.03 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	15566		
61	19.7	14.4	21.6	
87	13.4	9.5	14.3	





#44

Trichloroethene

Concen: 2.07 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:130 Resp: 8061

Ion Ratio Lower Upper

130 100

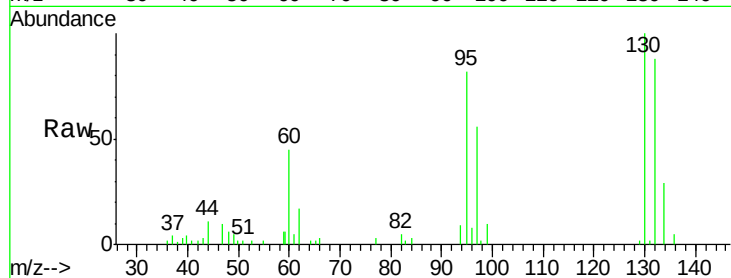
95 82.2 0.0 185.4

Manual Integrations

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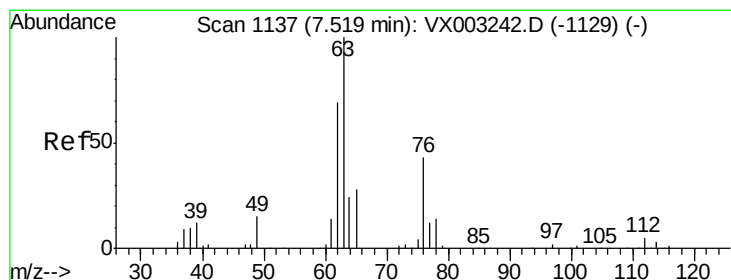
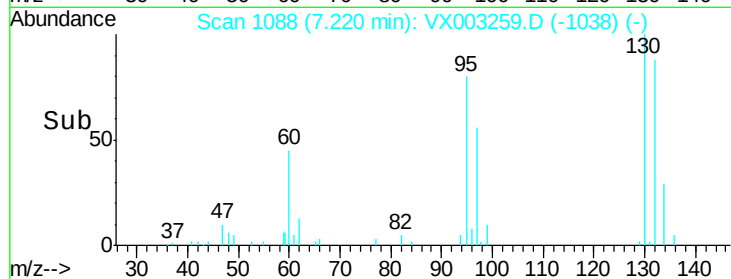
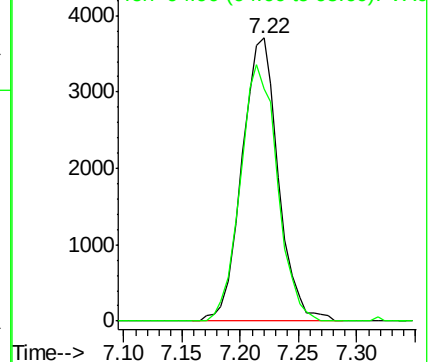
MMDadoda

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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: 2.00 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003259.D

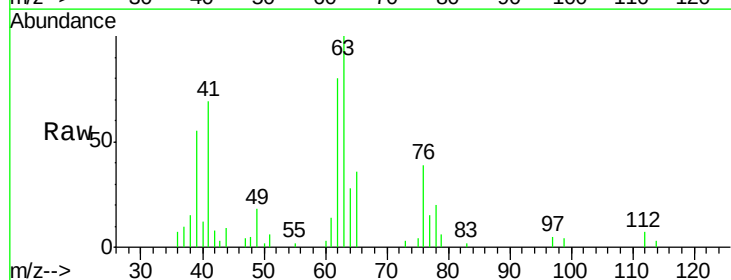
Acq: 09 Jul 2018 22:17

Tgt Ion: 63 Resp: 6865

Ion Ratio Lower Upper

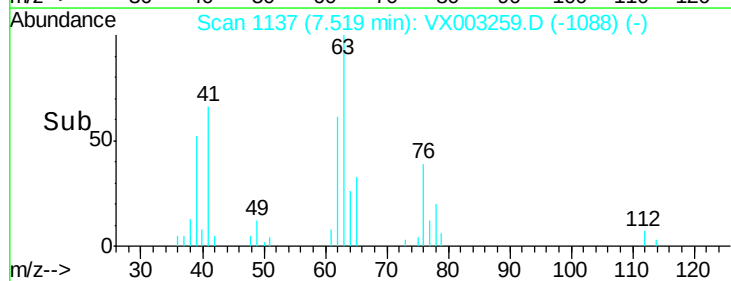
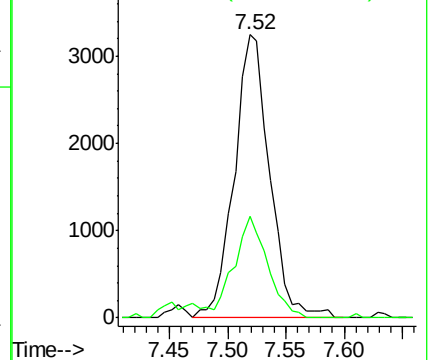
63 100

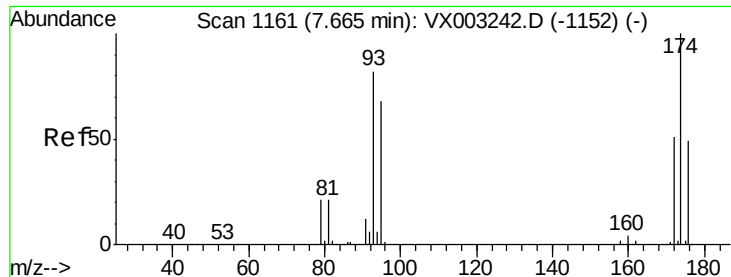
65 35.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





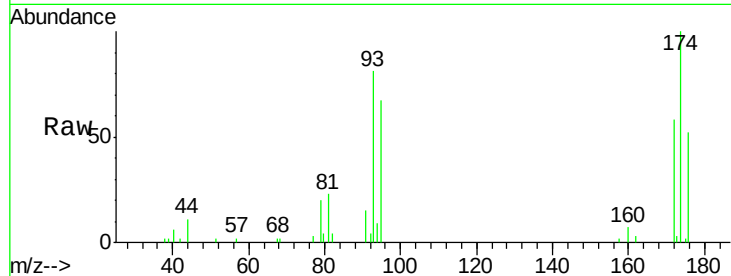
#46
 Dibromomethane
 Concen: 2.11 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

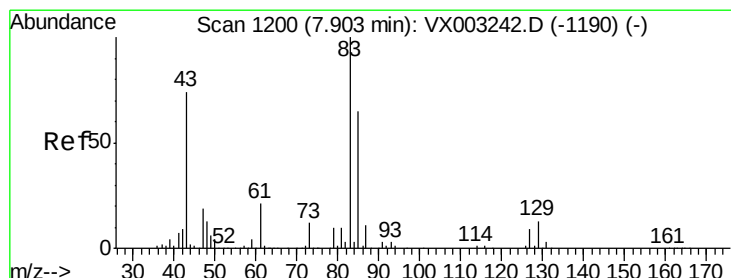
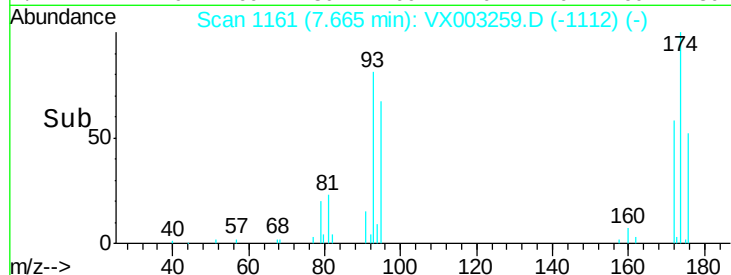
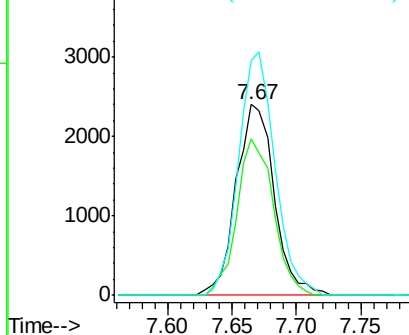
Tot Ion: 93 Resp: 4936
 Ion Ratio Lower Upper
 93 100
 95 78.2 65.9 98.9
 174 121.5 92.4 138.6

Manual Integrations
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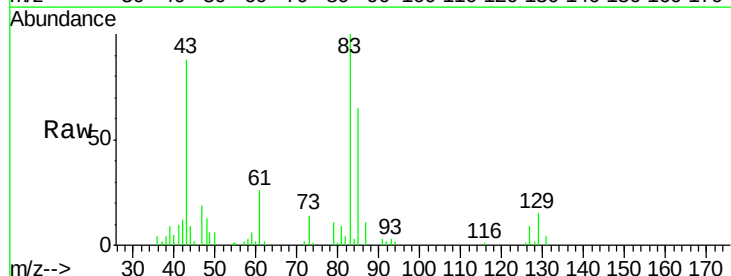


Abundance Ion 92.80 (92.50 to 93.50): VX0
 Ion 94.80 (94.50 to 95.50): VX0
 Ion 173.70 (173.40 to 174.40): V

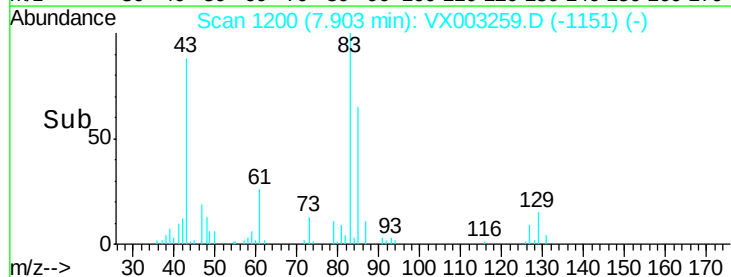
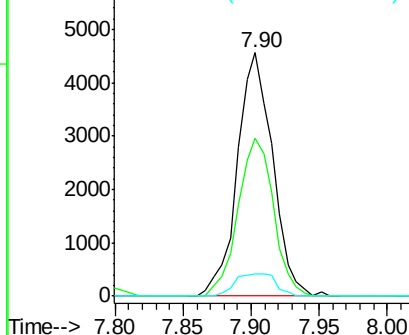


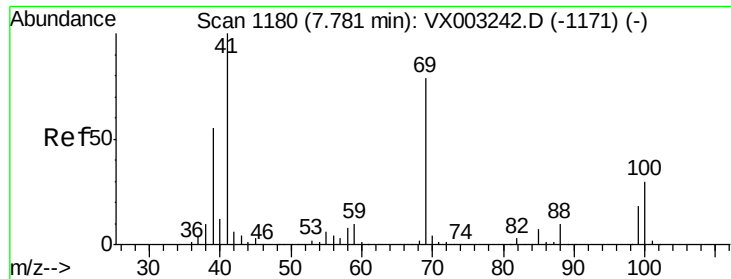
#47
 Bromodichloromethane
 Concen: 1.92 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 83 Resp: 8269
 Ion Ratio Lower Upper
 83 100
 85 65.0 50.3 75.5
 127 9.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V





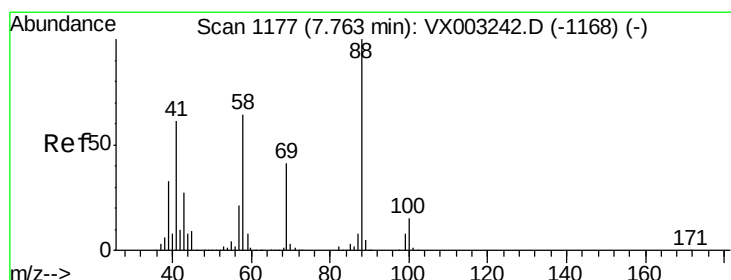
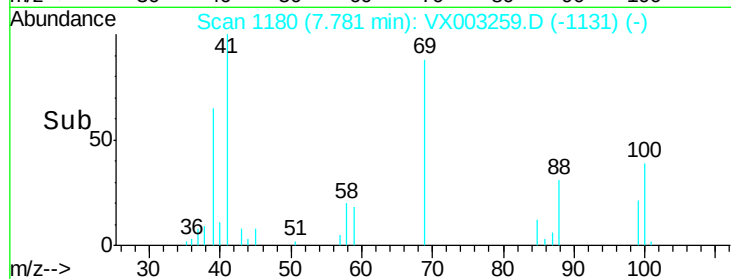
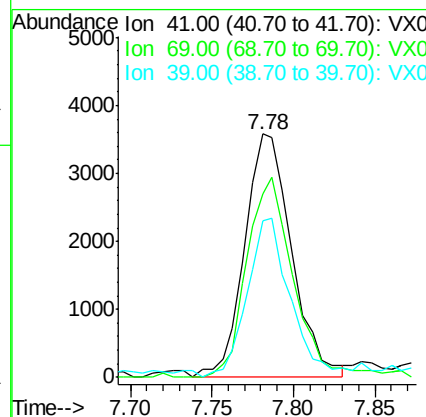
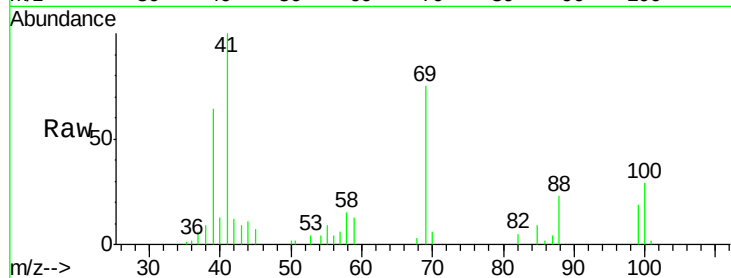
#48
Methvl methacrylate
Concen: 1.83 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
41	100		
69	82.5	59.1	88.7
39	60.7	48.9	73.3

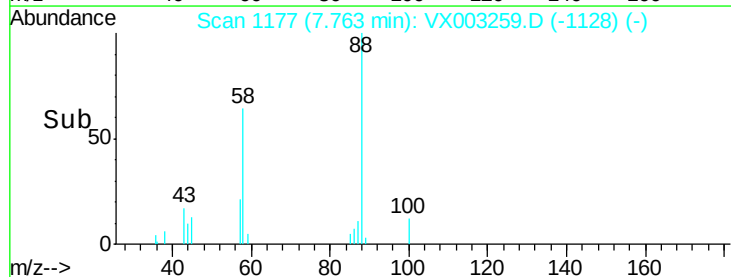
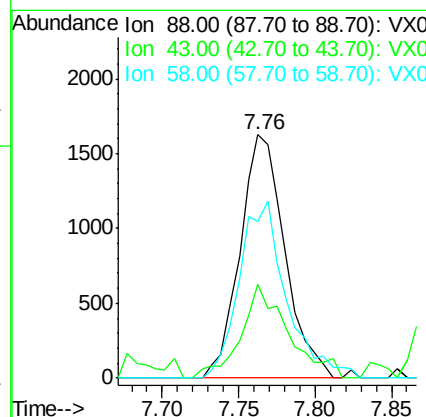
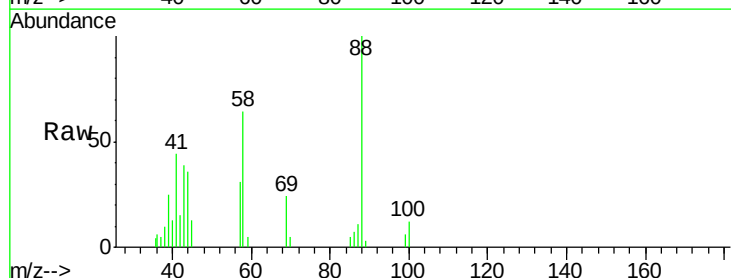
Manual Integrations
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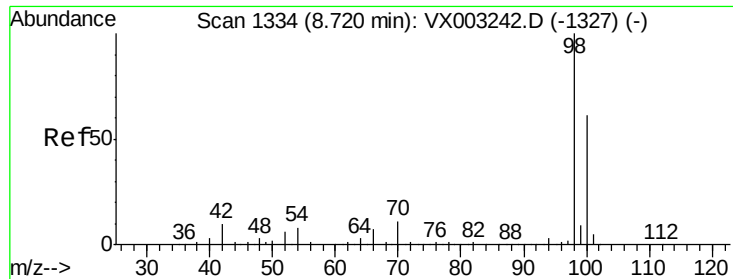
MMDadoda
7/10/2018 3:11:53 PM



#49
1,4-Dioxane
Concen: 40.13 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.6	29.8	44.6
58	76.8	57.1	85.7





#50

Toluene-d8

Concen: 49.96 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 98 Resp: 599552

Ion Ratio Lower Upper

98 100

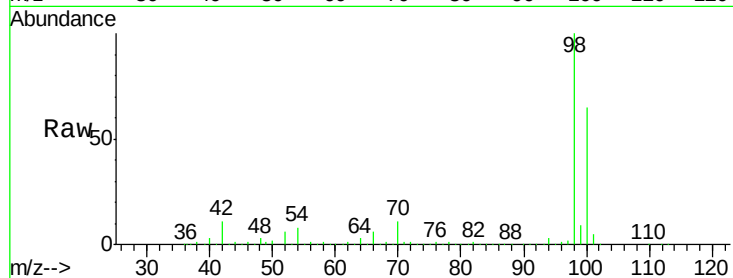
100 64.3 50.9 76.3

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

300000

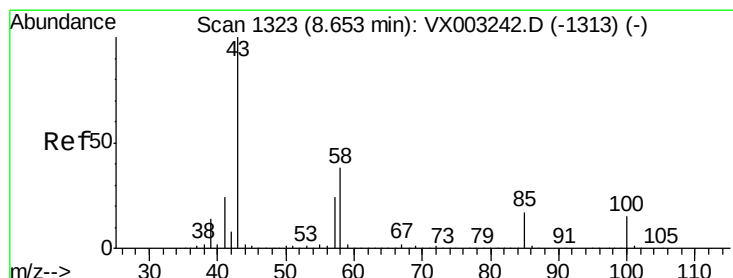
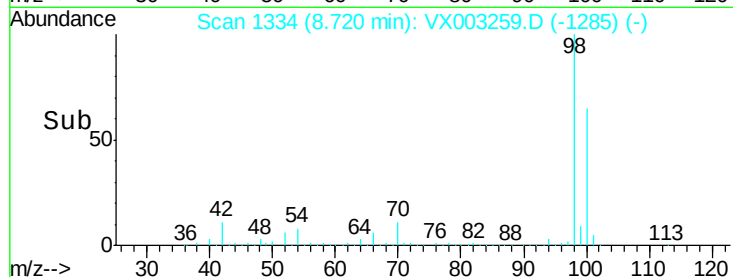
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 9.48 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX003259.D

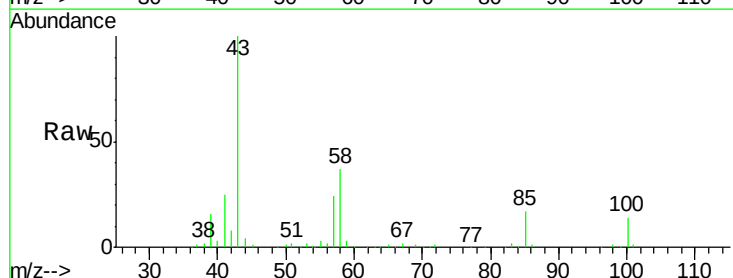
Acq: 09 Jul 2018 22:17

Tgt Ion: 43 Resp: 45248

Ion Ratio Lower Upper

43 100

58 36.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

30000

25000

20000

15000

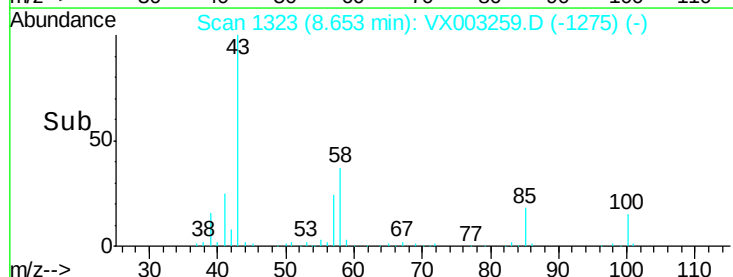
10000

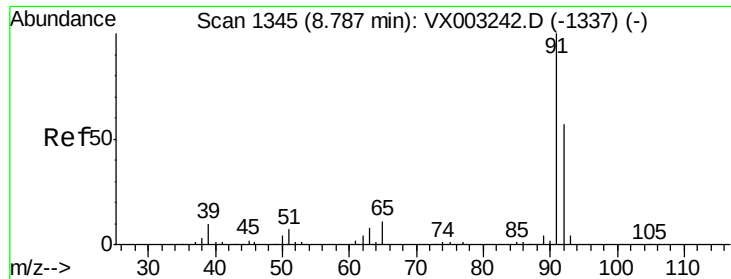
5000

0

8.55 8.60 8.65 8.70

Time-->





#52

Toluene

Concen: 2.06 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 92 Resp: 17176

Ion Ratio Lower Upper

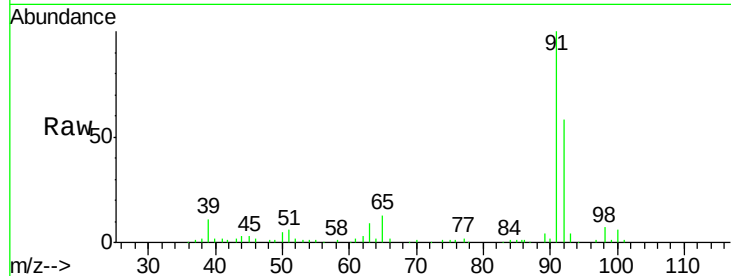
92 100

91 175.5 140.4 210.6

Manual Integrations
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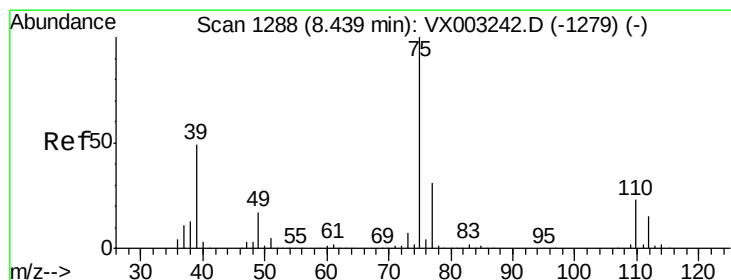
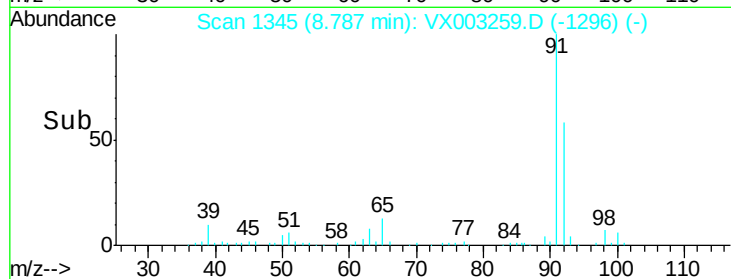
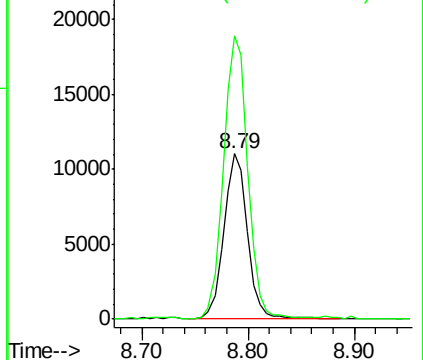
MMDadoda

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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: 1.70 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX003259.D

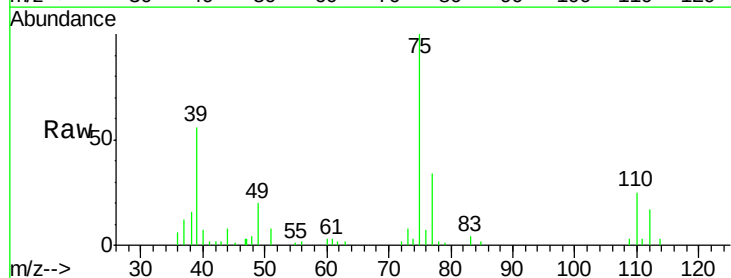
Acq: 09 Jul 2018 22:17

Tgt Ion: 75 Resp: 8653

Ion Ratio Lower Upper

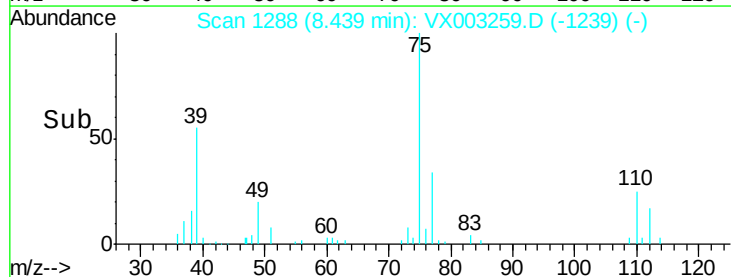
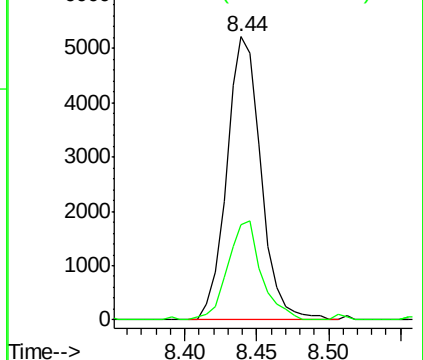
75 100

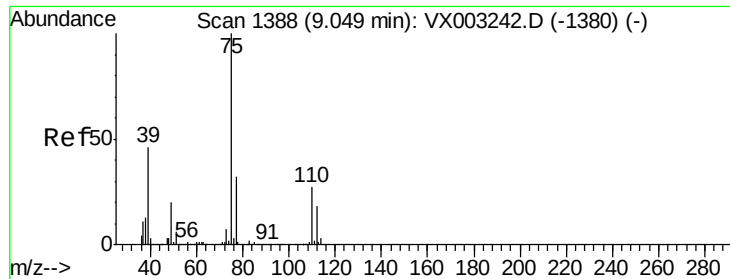
77 33.6 25.4 38.2



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: 1.70 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

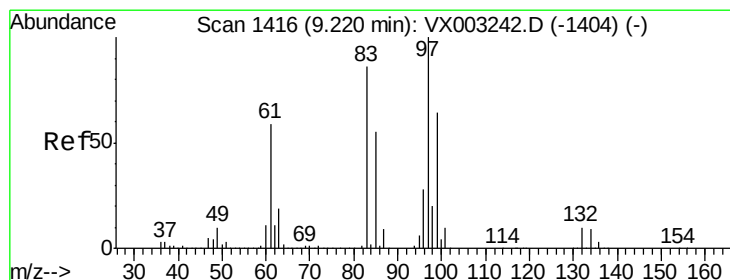
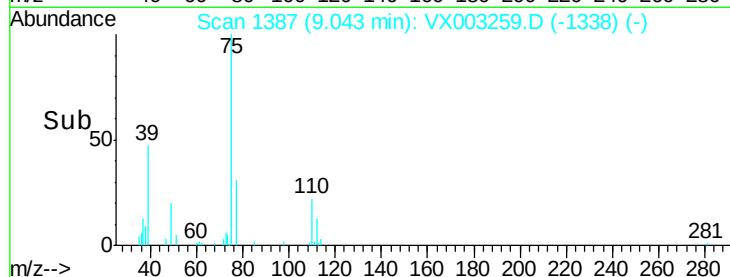
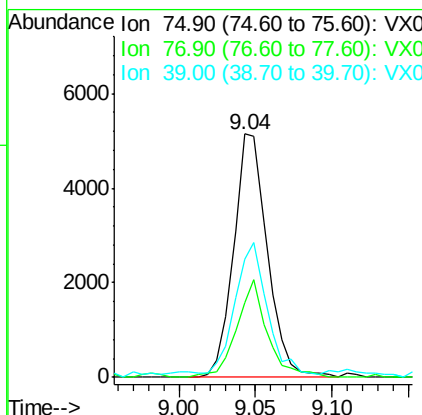
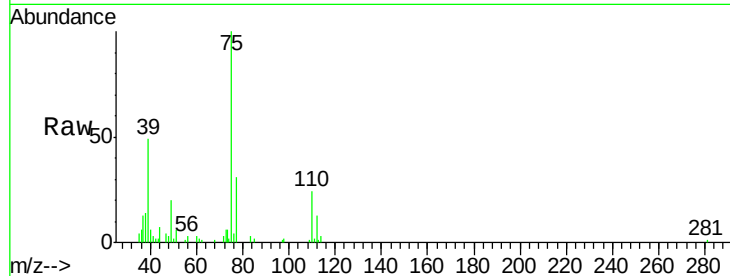
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	75	Resp:	7859
Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.8	37.2
39	46.4	42.4	63.6

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.98 ug/l

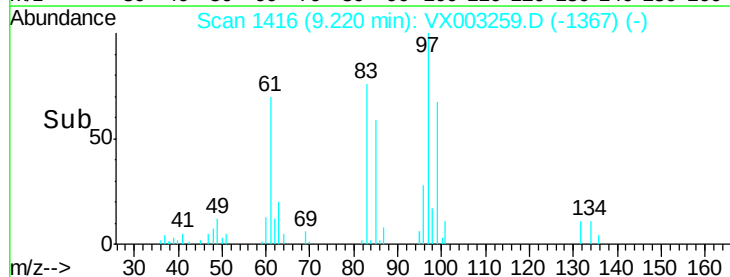
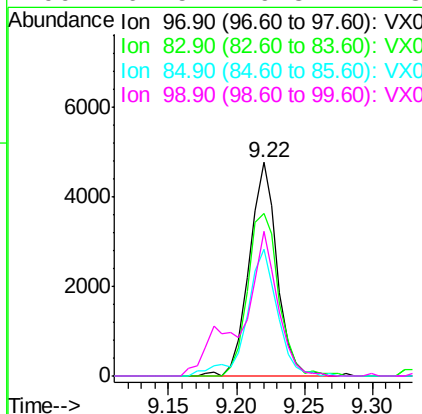
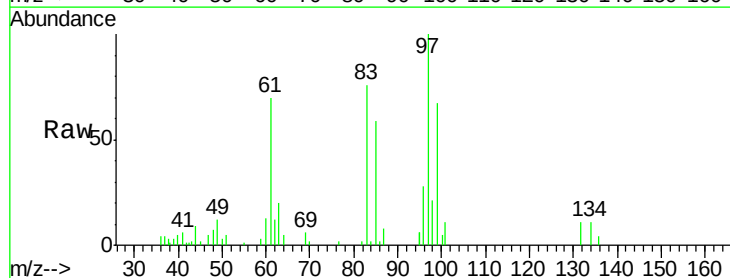
RT: 9.22 min Scan# 1416

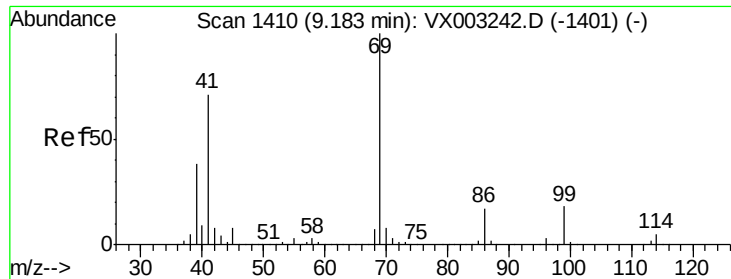
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	97	Resp:	6850
Ion	Ratio	Lower	Upper
97	100		
83	76.2	70.2	105.2
85	59.2	44.9	67.3
99	67.5	49.8	74.8





#56

Ethyl methacrylate

Concen: 1.79 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

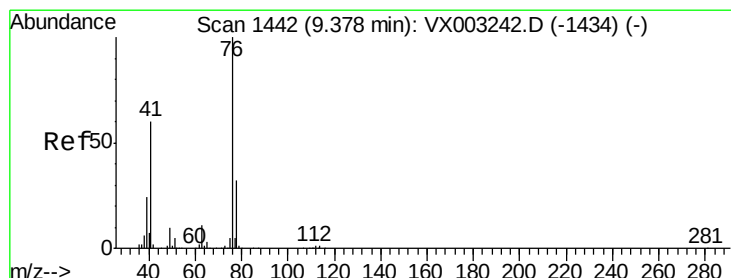
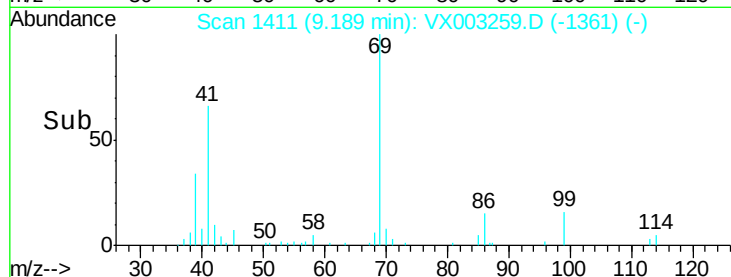
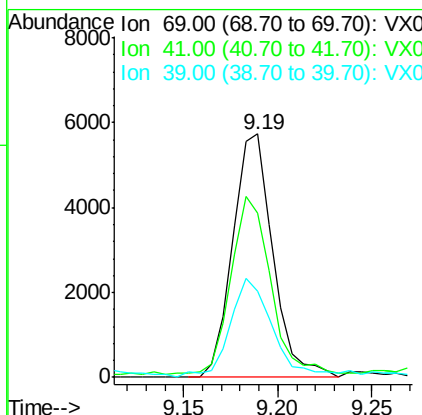
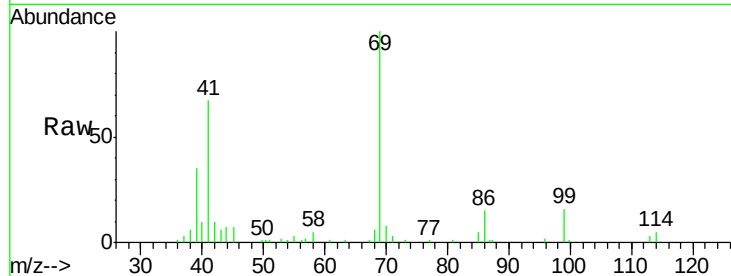
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	69	Resp:	8478
Ion	Ratio	Lower	Upper
69	100		
41	71.2	60.3	90.5
39	43.1	35.8	53.8

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 2.04 ug/l

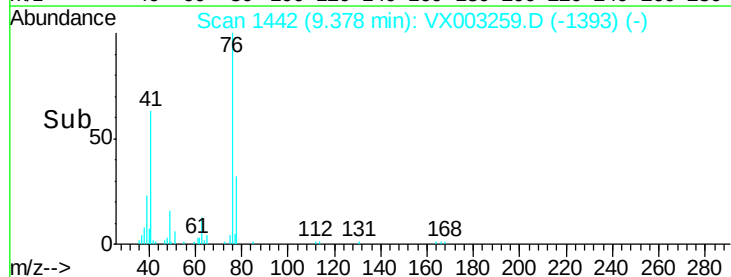
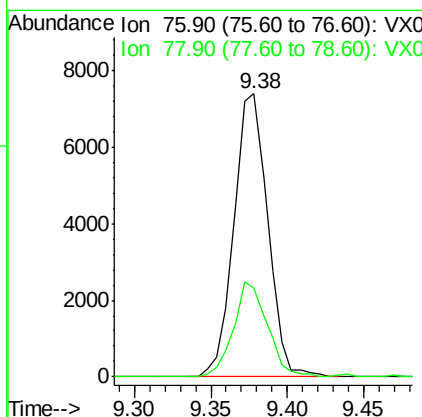
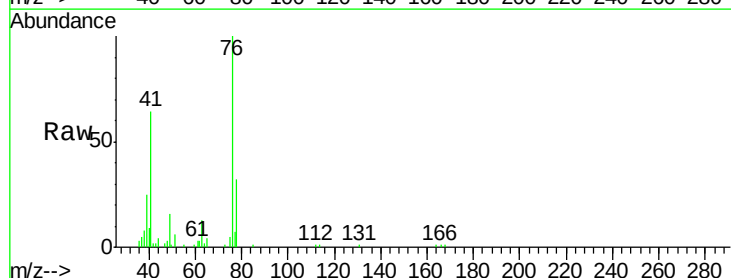
RT: 9.38 min Scan# 1442

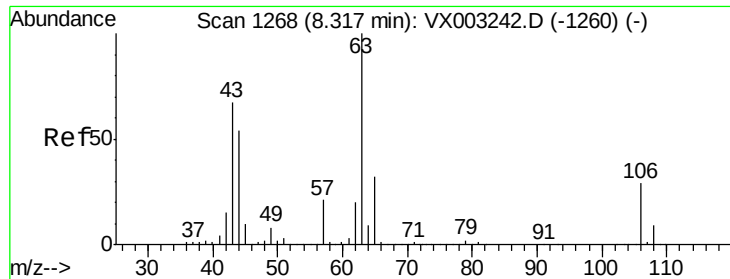
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	76	Resp:	11344
Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 9.05 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 63 Resp: 20684

Ion Ratio Lower Upper

63 100

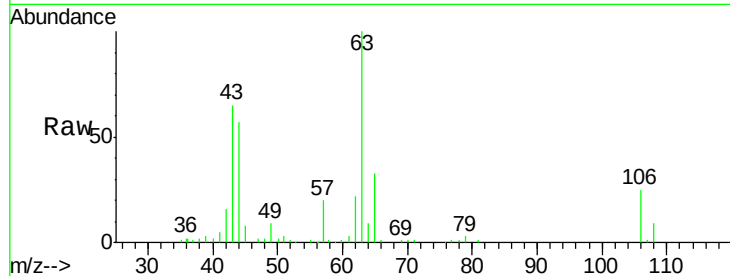
106 27.8 21.8 32.8

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

15000

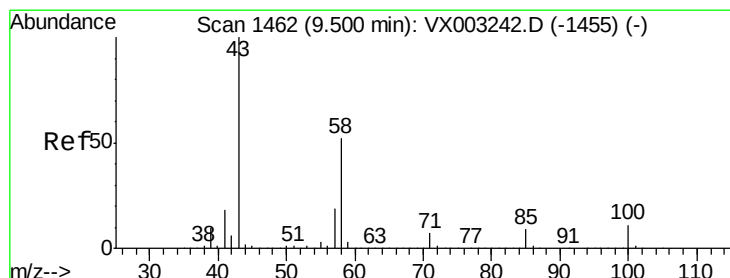
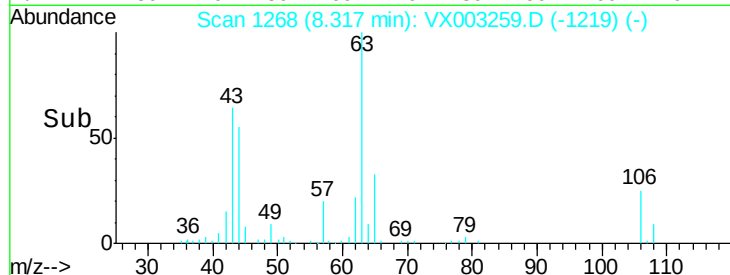
10000

5000

0

8.25 8.30 8.35 8.40 8.45

Time-->



#59

2-Hexanone

Concen: 9.68 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. 0.00 min

Lab File: VX003259.D

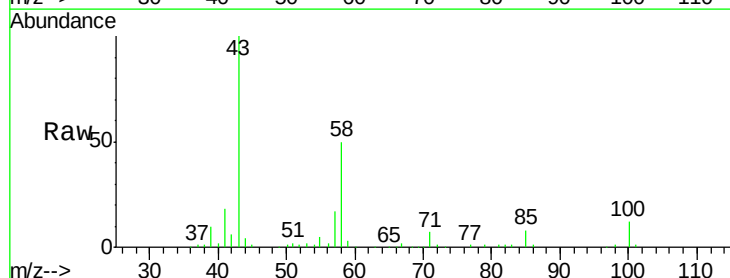
Acq: 09 Jul 2018 22:17

Tgt Ion: 43 Resp: 35069

Ion Ratio Lower Upper

43 100

58 49.0 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

25000

20000

15000

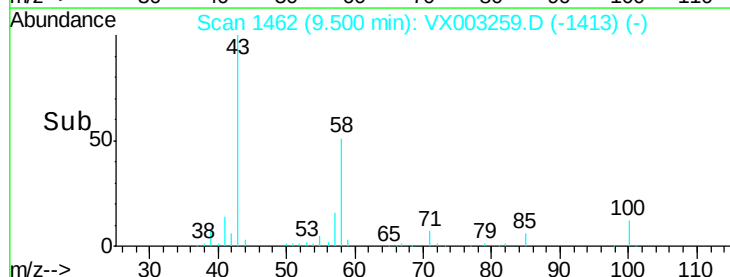
10000

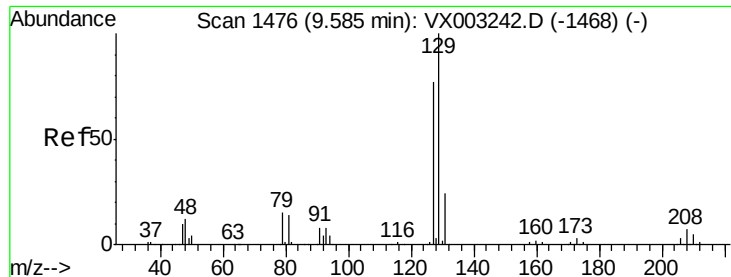
5000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 1.75 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:129 Resp: 6330

Ion Ratio Lower Upper

129 100

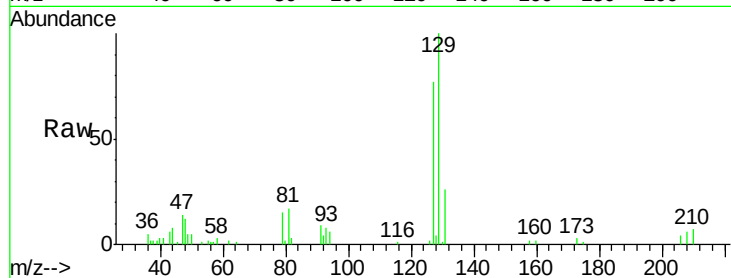
127 78.6 38.5 115.3

Manual Integrations

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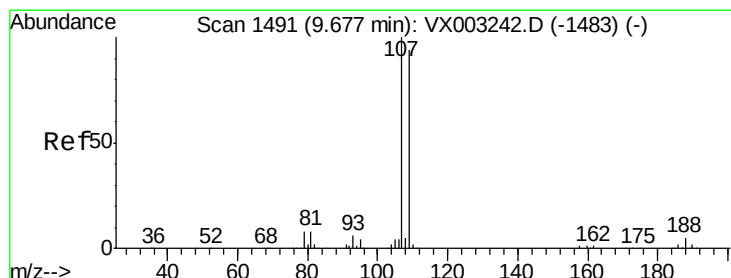
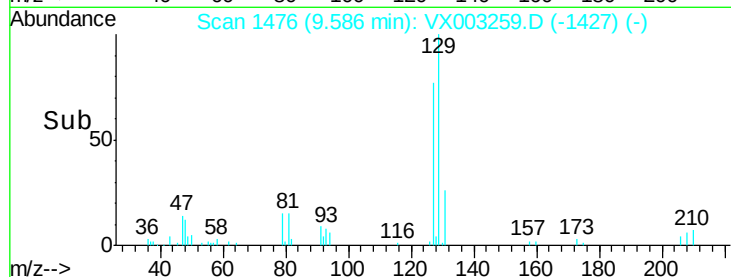
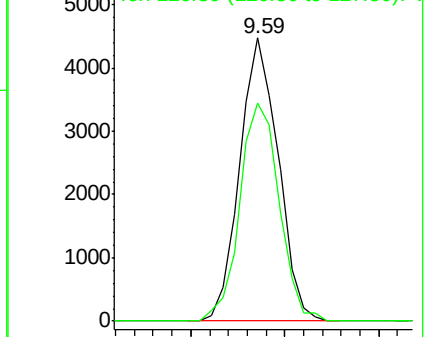
MMDadoda

7/10/2018 3:11:53 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: 1.95 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003259.D

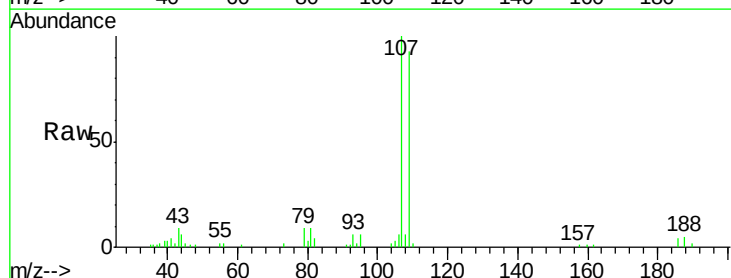
Acq: 09 Jul 2018 22:17

Tgt Ion:107 Resp: 7054

Ion Ratio Lower Upper

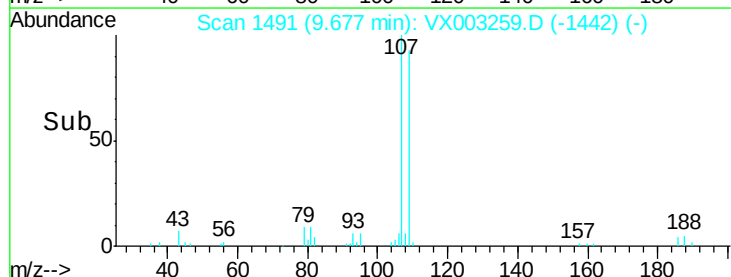
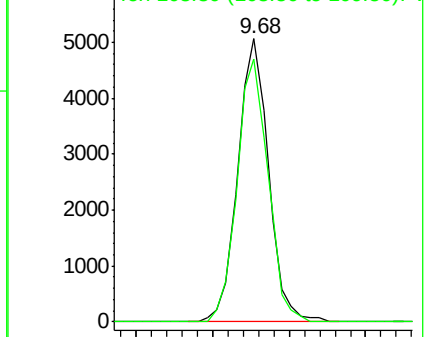
107 100

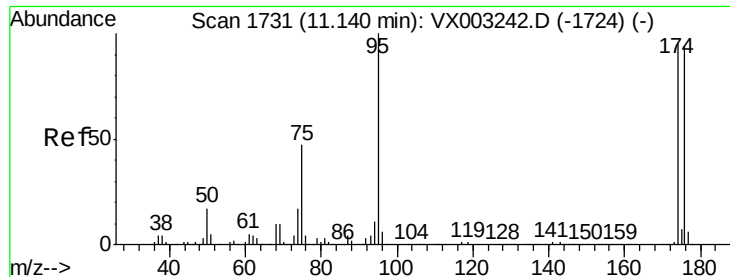
109 93.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





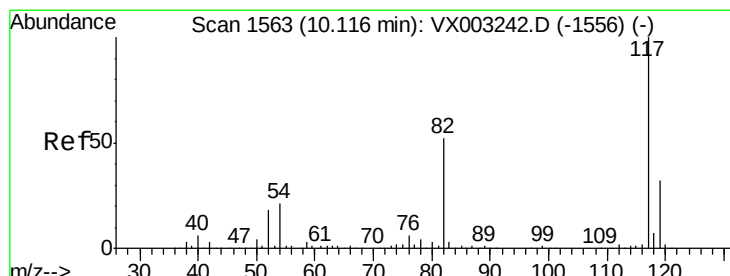
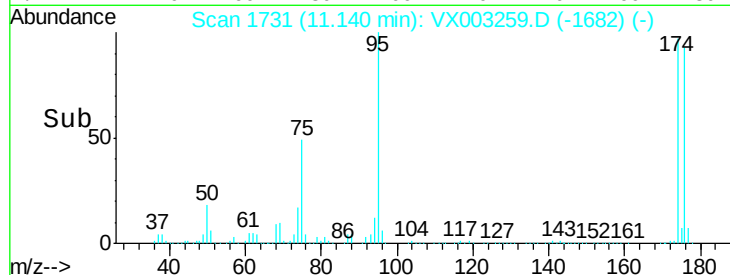
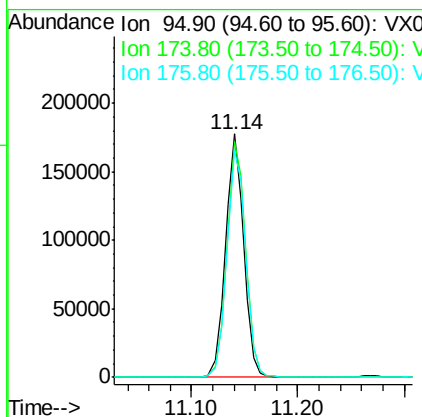
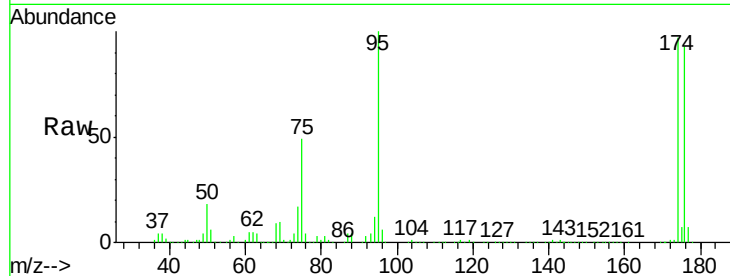
#62
4-Bromofluorobenzene
Concen: 47.83 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
95	100	212115		
174	99.9	0.0	187.4	
176	97.0	0.0	181.0	

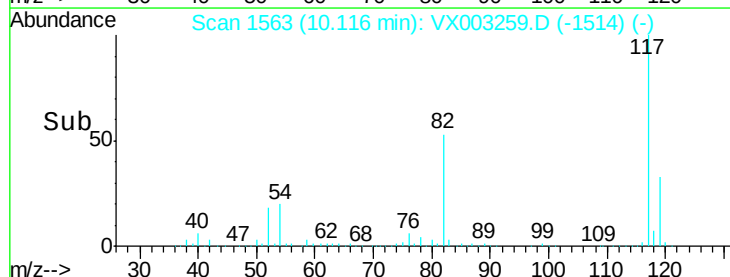
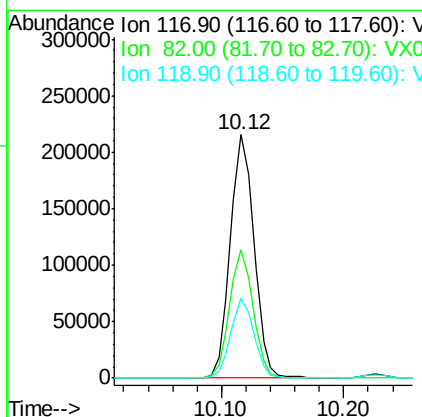
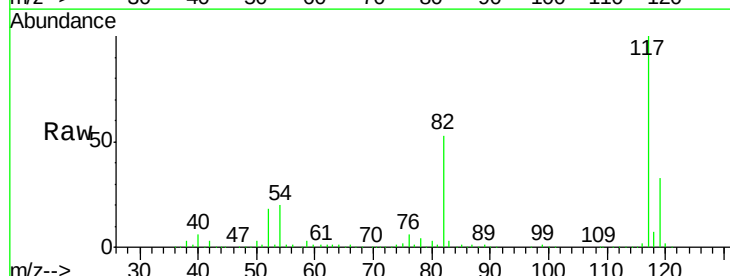
Manual Integrations
APPROVED

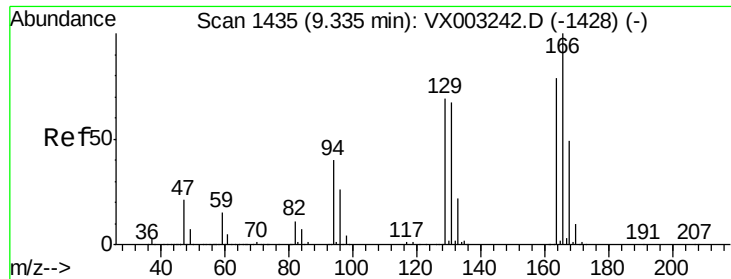
MMDadoda
7/10/2018 3:11:53 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	289350		
82	52.7	45.0	67.4	
119	32.7	25.8	38.6	





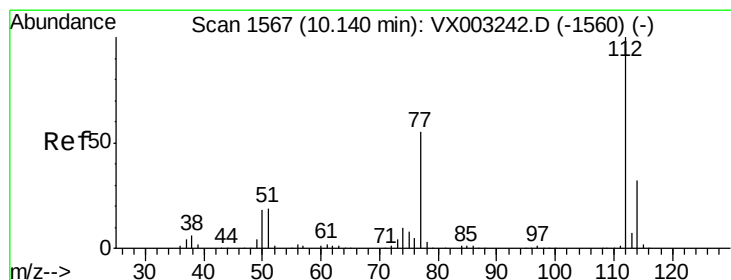
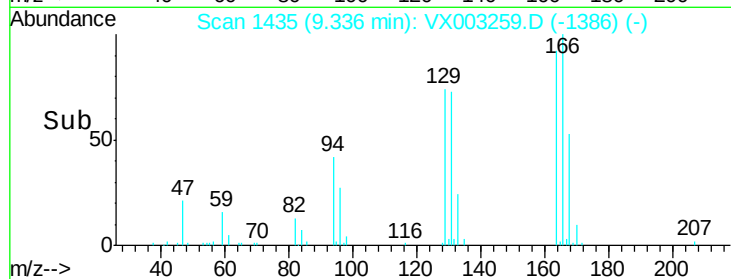
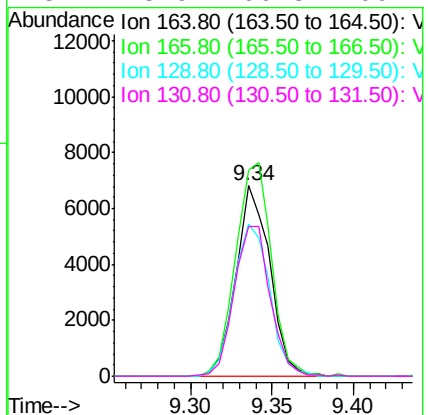
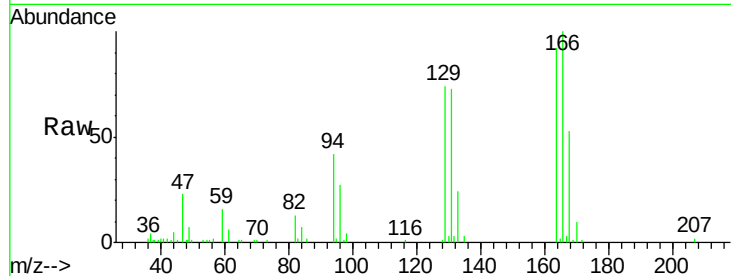
#64
Tetrachloroethene
Concen: 2.26 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
164	100		
166	108.2	102.9	154.3
129	80.0	68.6	102.8
131	78.9	66.8	100.2

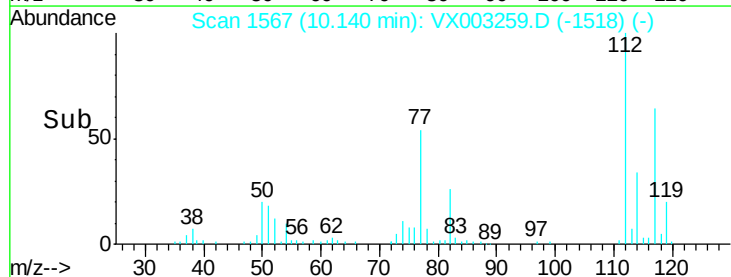
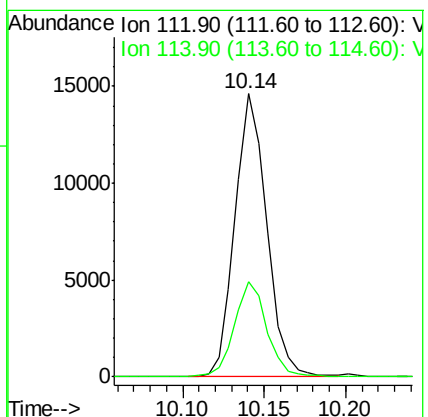
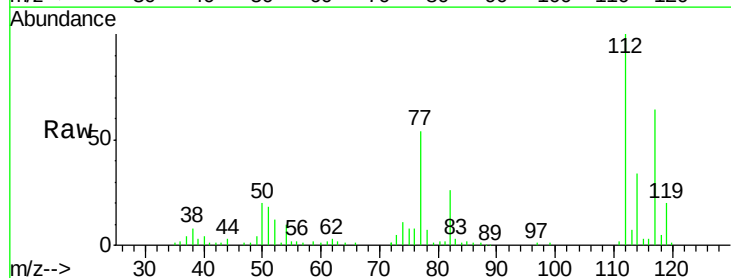
Manual Integrations
APPROVED

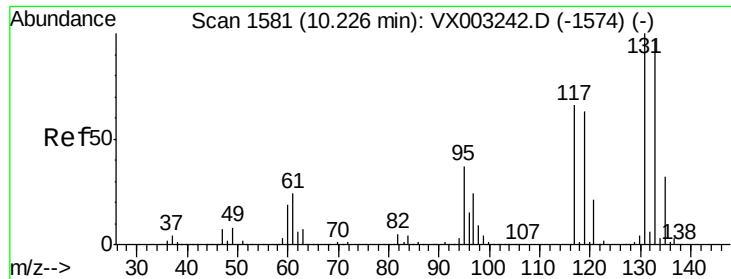
MMDadoda
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#65
Chlorobenzene
Concen: 2.03 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.3	37.9





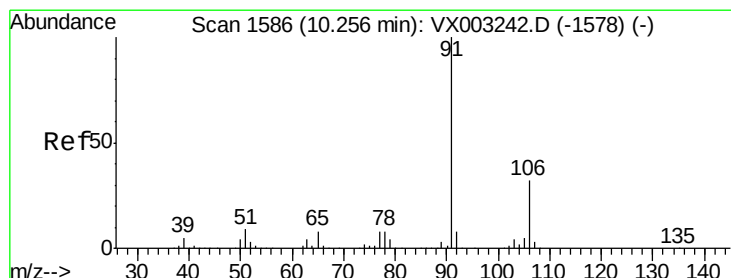
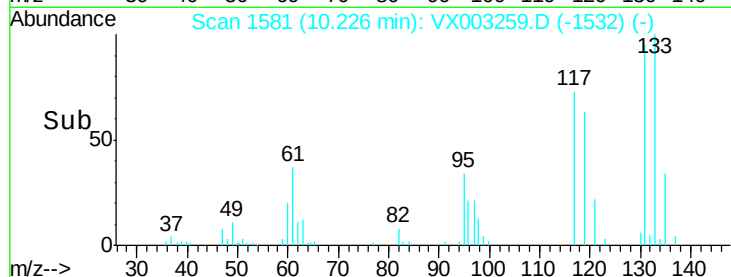
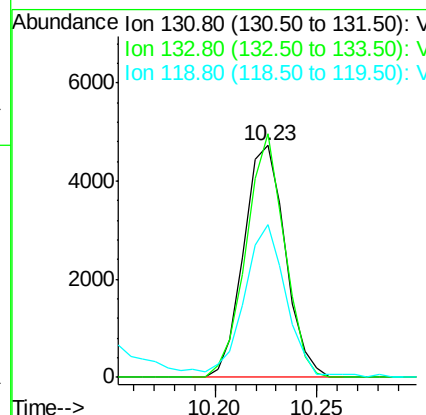
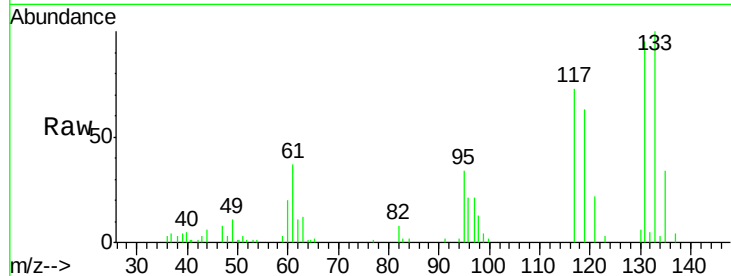
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.89 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion:131 Resp: 6697
 Ion Ratio Lower Upper
 131 100
 133 96.6 47.9 143.6
 119 66.4 31.8 95.3

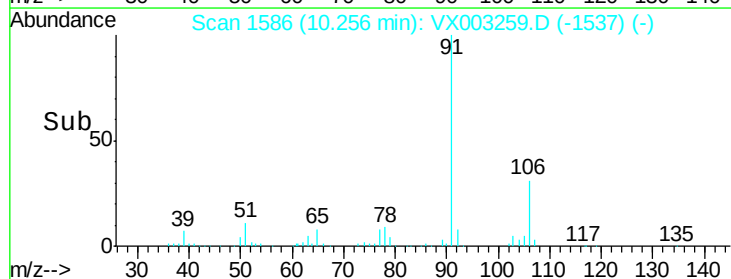
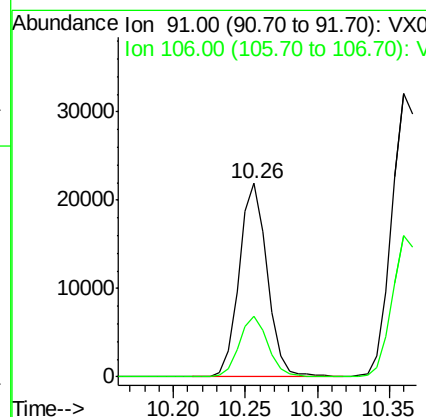
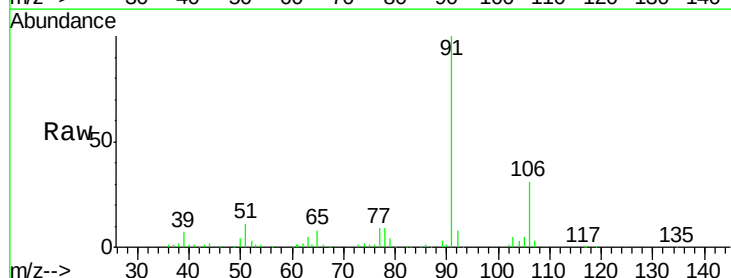
Manual Integrations
 APPROVED

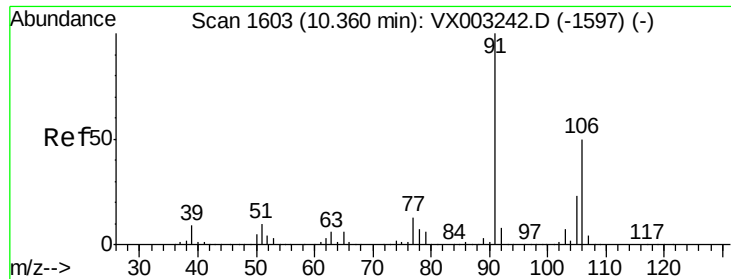
MMDadoda
 7/10/2018 3:11:53 PM



#67
 Ethyl Benzene
 Concen: 1.88 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 91 Resp: 29819
 Ion Ratio Lower Upper
 91 100
 106 31.2 25.5 38.3





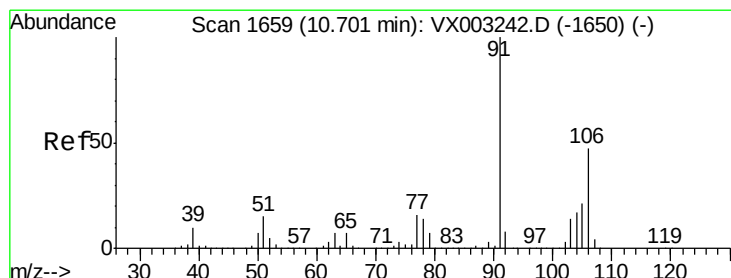
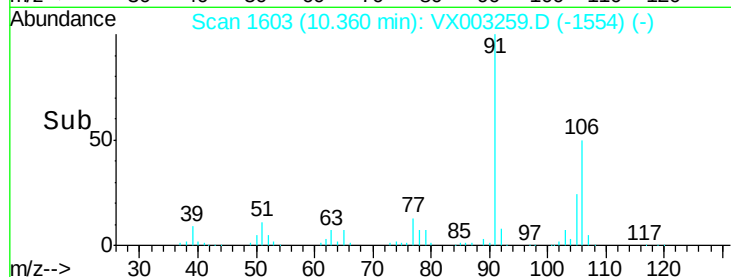
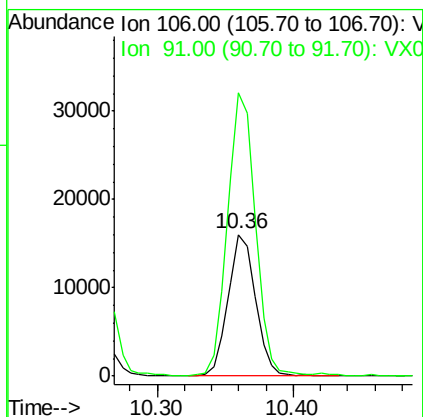
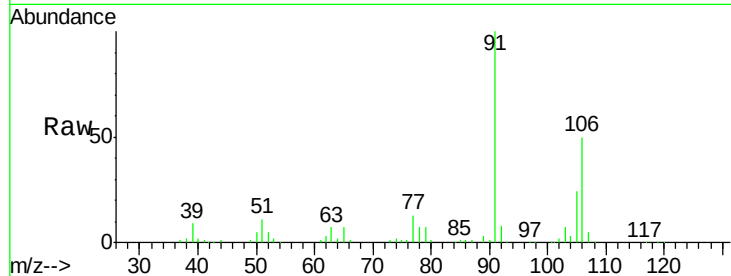
#68
m/p-Xylenes
Concen: 3.66 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion:106 Resp: 22661
Ion Ratio Lower Upper
106 100
91 200.4 163.4 245.2

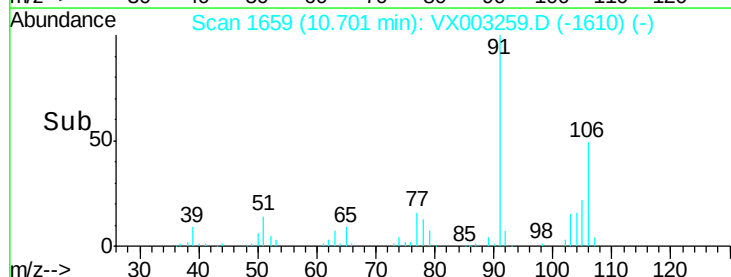
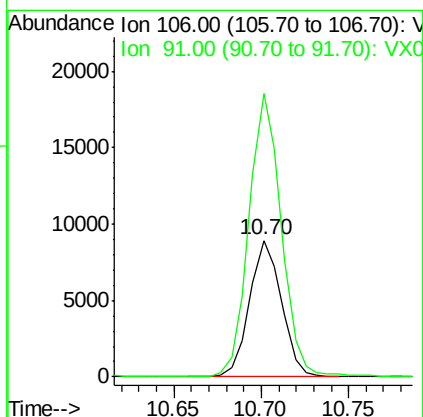
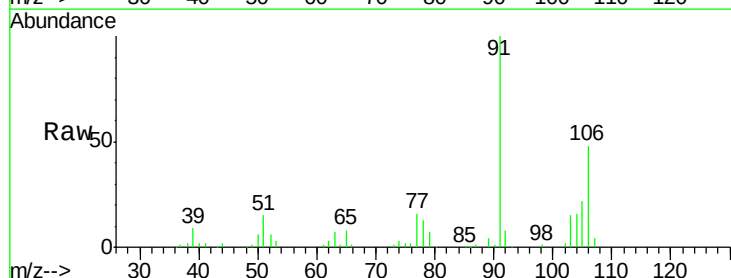
Manual Integrations
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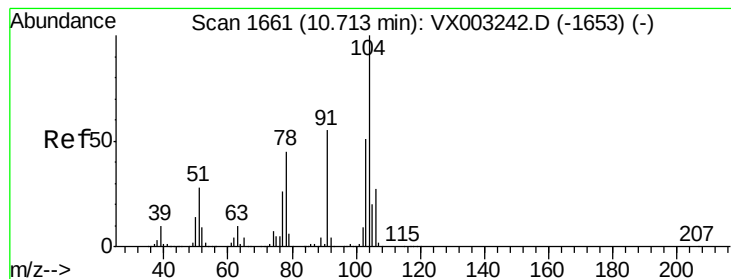
MMDadoda
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#69
o-Xylene
Concen: 1.90 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion:106 Resp: 11358
Ion Ratio Lower Upper
106 100
91 210.9 108.2 324.6





#70

Stvrene

Concen: 1.75 ug/l

RT: 10.71 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

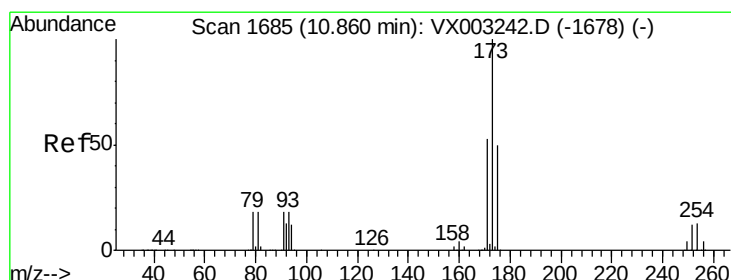
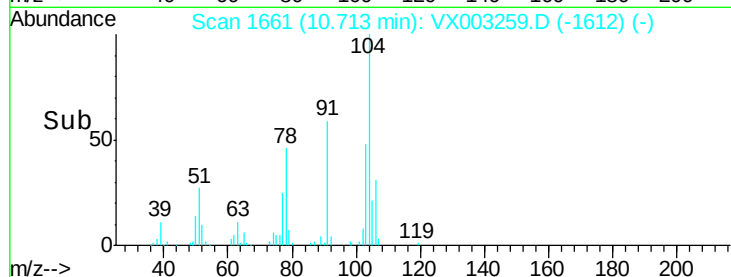
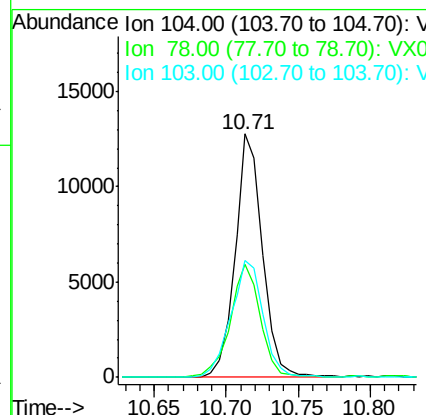
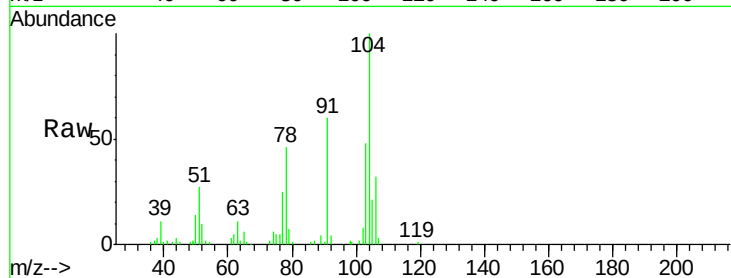
ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:	104	Resp:	16976
Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.0	61.6
103	56.5	44.2	66.4

Manual Integrations
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#71

Bromoform

Concen: 1.67 ug/l

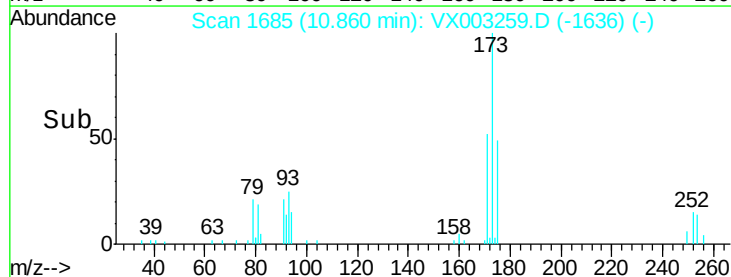
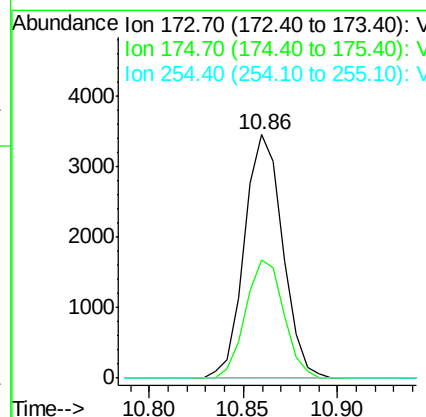
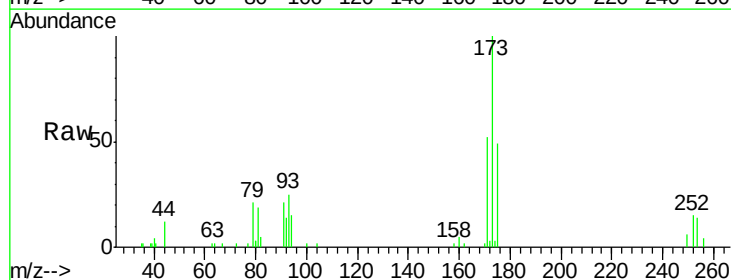
RT: 10.86 min Scan# 1685

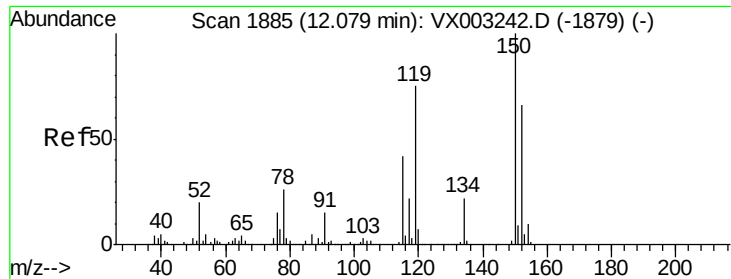
Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Tgt Ion:	173	Resp:	4875
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.7	74.1
254	0.0	0.2	0.2#





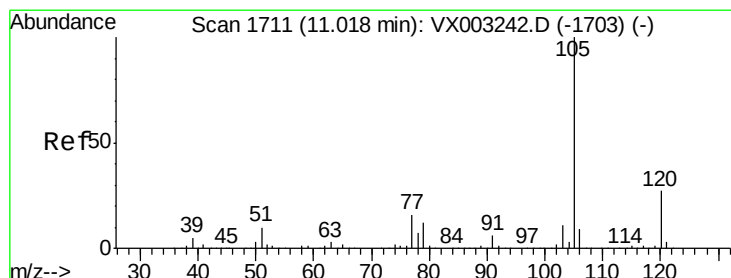
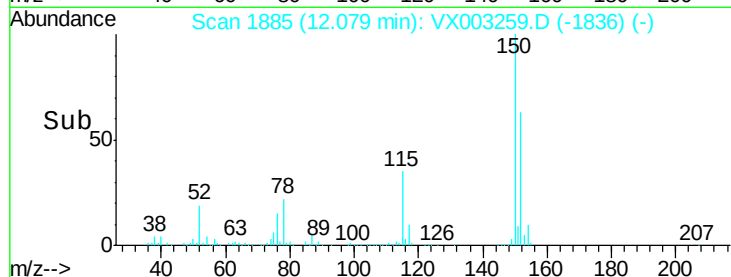
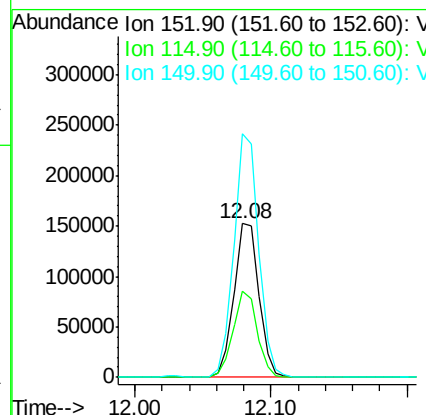
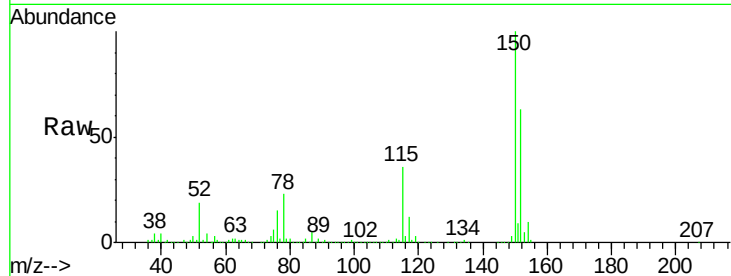
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
152	100	194785		
115	54.3	40.1	120.2	
150	156.5	0.0	347.2	

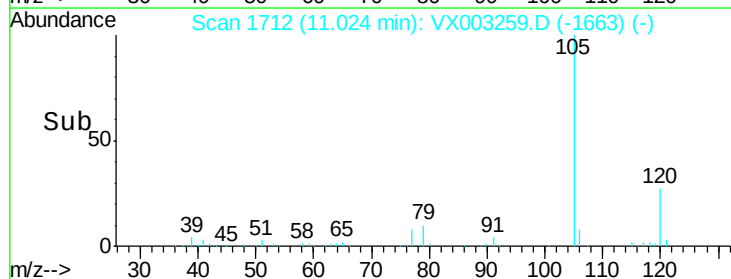
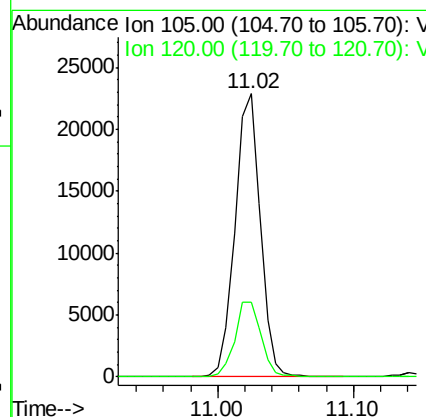
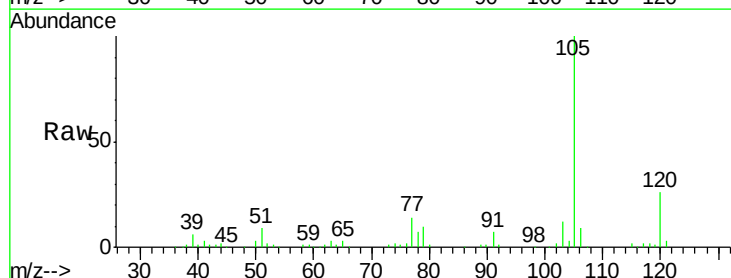
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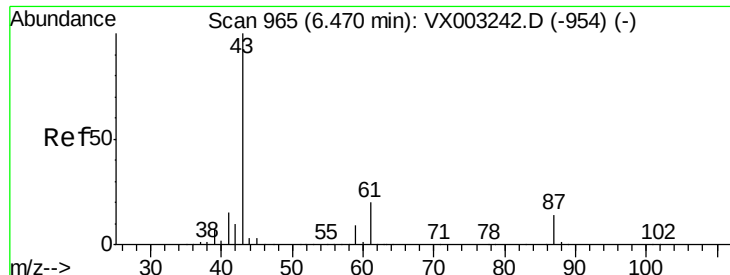
MMDadoda
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#73
Isopropylbenzene
Concen: 1.92 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	29590		
120	27.3	13.5	40.4	





#74

N-amyl acetate

Concen: 2.12 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

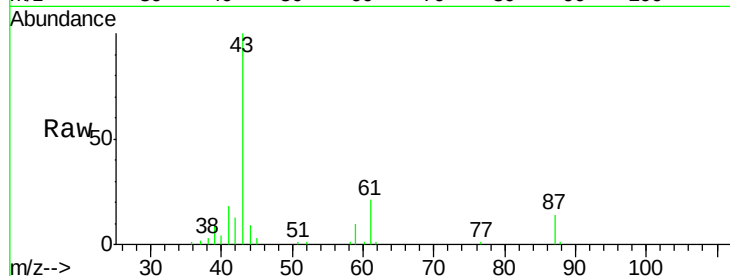
ClientSampleId :

LOQ-WATER-02-QT3-2018

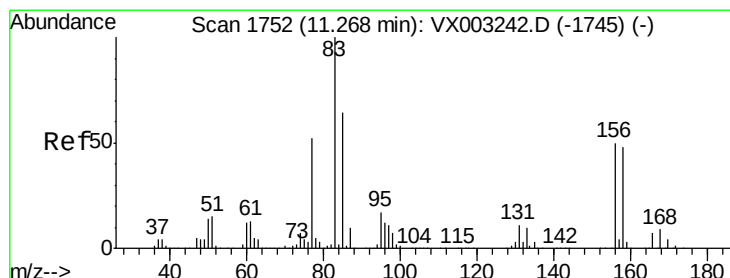
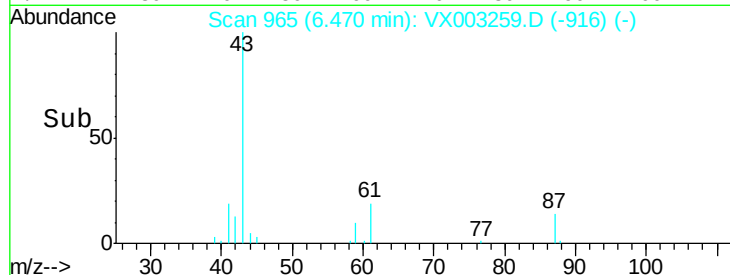
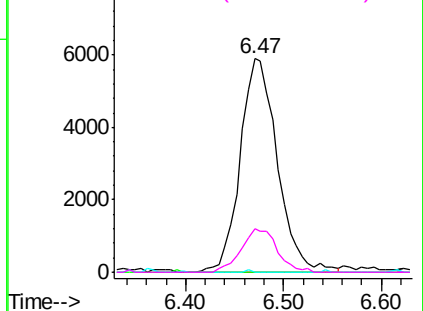
Tot Ion:	43	Resp:	15566
Ion Ratio	Lower	Upper	
43	100		
70	0.0	0.0	0.0
55	0.1	0.0	0.0#
61	19.7	14.4	21.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.12 ug/l

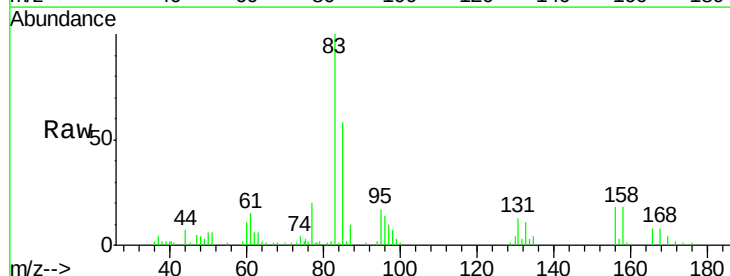
RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

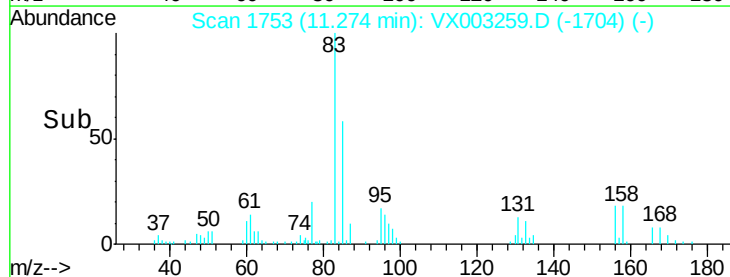
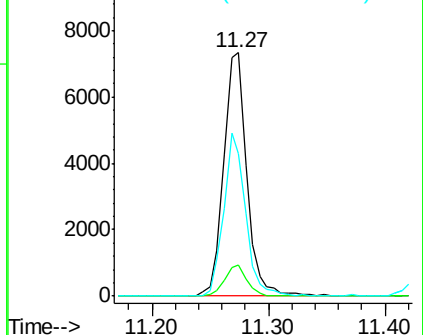
Lab File: VX003259.D

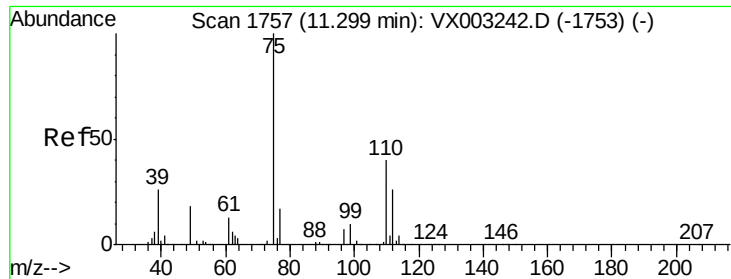
Acq: 09 Jul 2018 22:17

Tgt Ion:	83	Resp:	10123
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.6	16.8
85	62.9	32.4	97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 2.02 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 8522

Ion Ratio Lower Upper

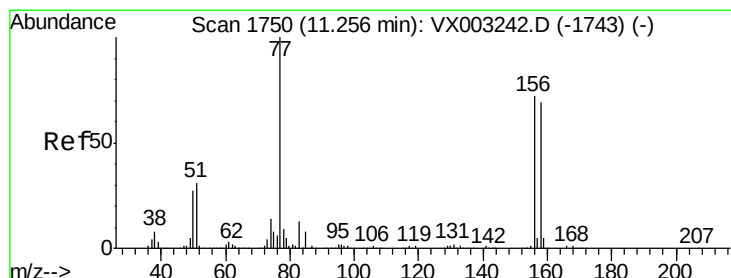
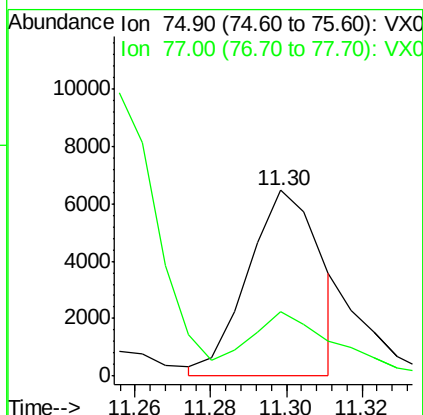
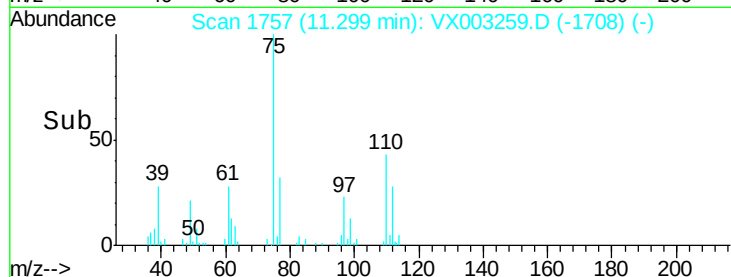
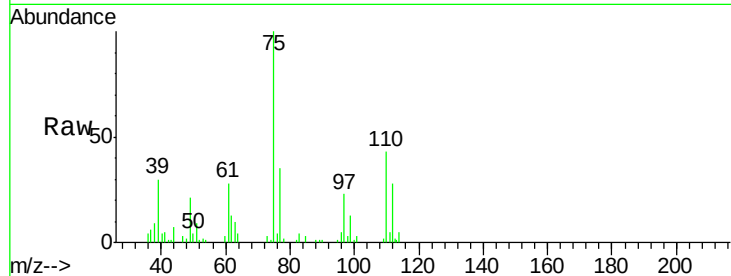
75 100

77 42.2 22.8 68.3

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#77

Bromobenzene

Concen: 2.06 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

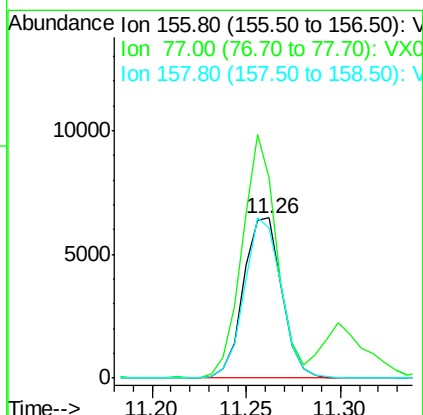
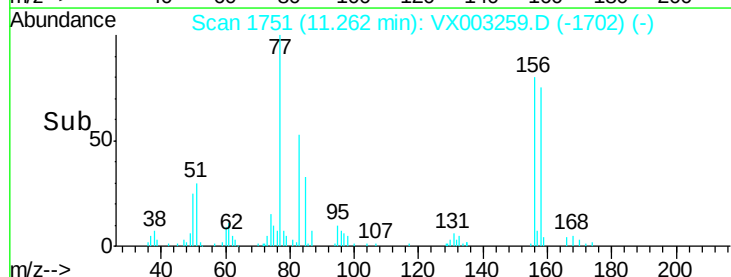
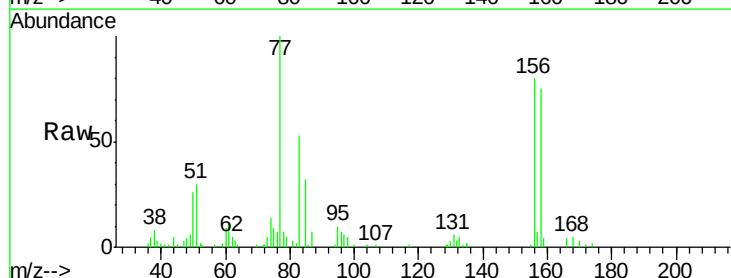
Tgt Ion: 156 Resp: 9126

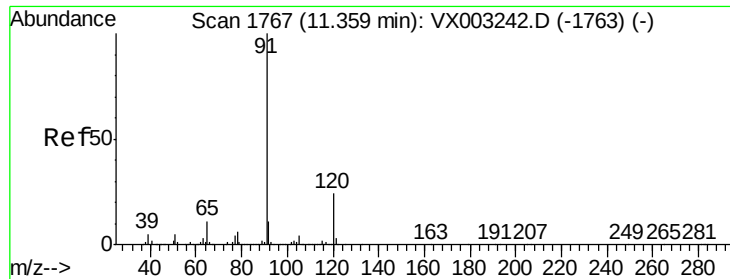
Ion Ratio Lower Upper

156 100

77 138.1 71.4 214.2

158 96.1 48.9 146.6





#78

n-propylbenzene

Concen: 1.91 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 32727

Ion Ratio Lower Upper

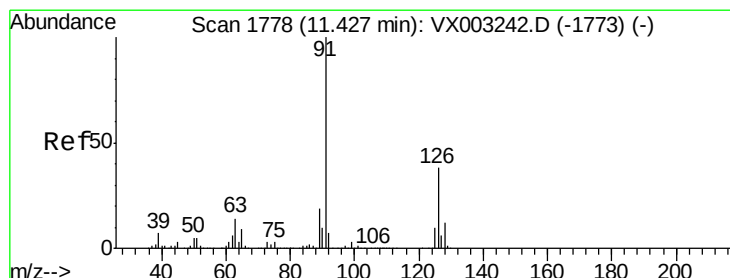
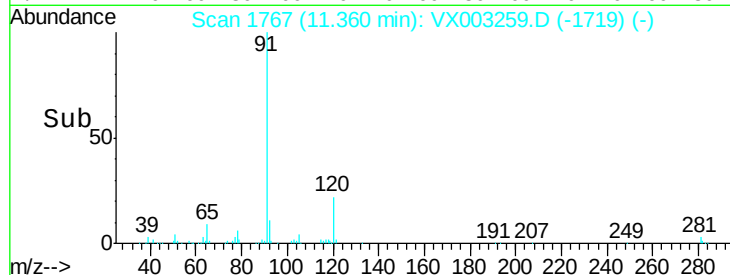
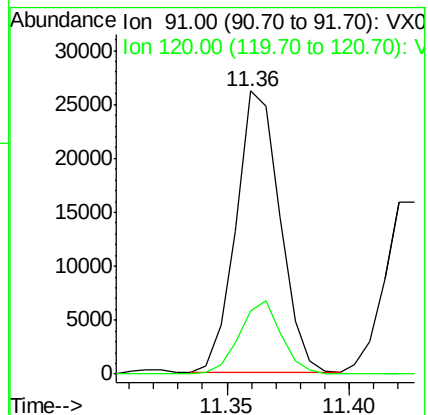
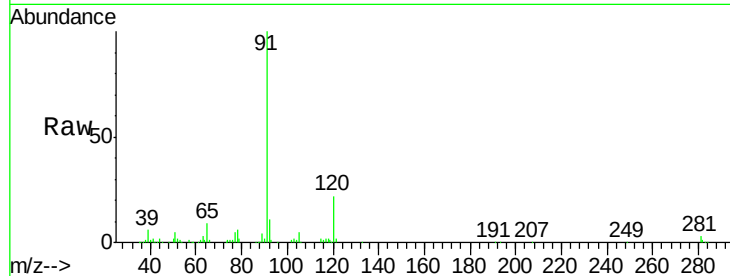
91 100

120 24.9 11.8 35.4

Manual Integrations
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#79

2-Chlorotoluene

Concen: 2.02 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003259.D

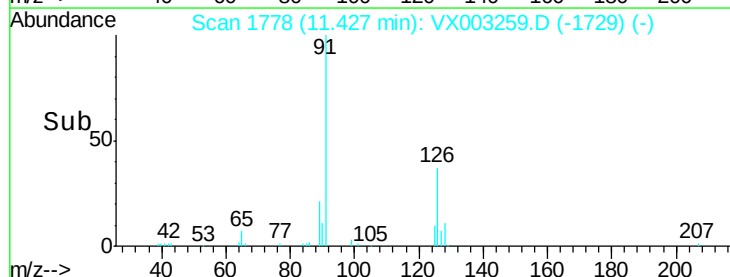
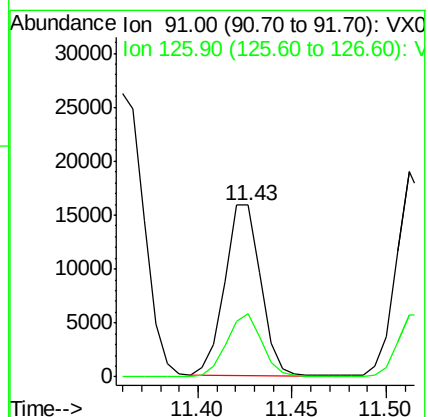
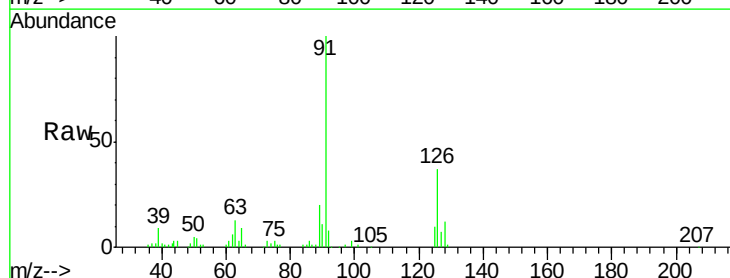
Acq: 09 Jul 2018 22:17

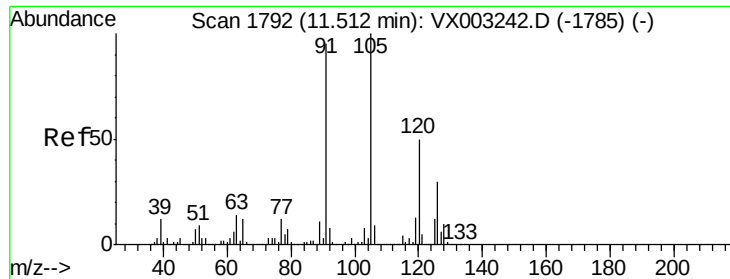
Tgt Ion: 91 Resp: 21081

Ion Ratio Lower Upper

91 100

126 35.9 17.7 53.1





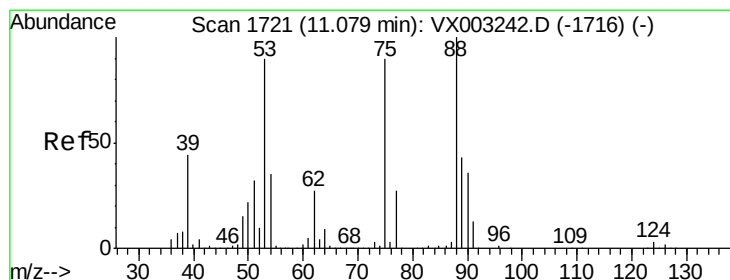
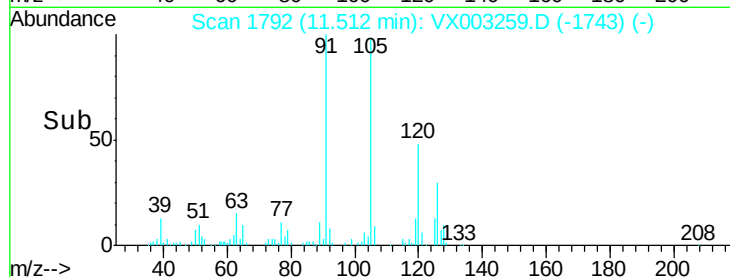
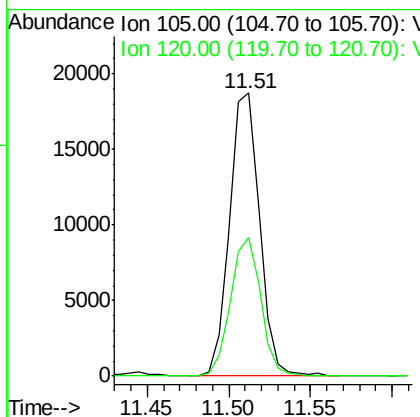
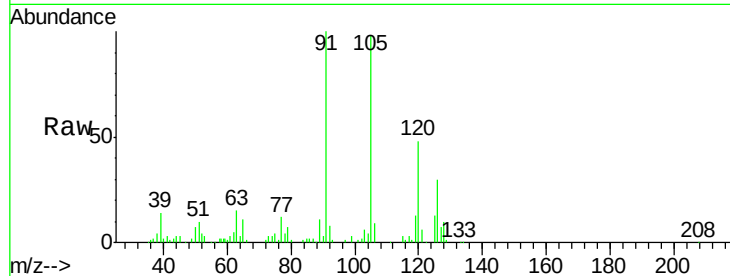
#80
 1,3,5-Trimethylbenzene
 Concen: 1.87 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.4	24.4	73.4

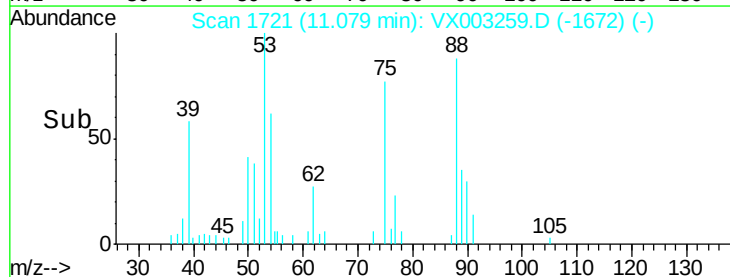
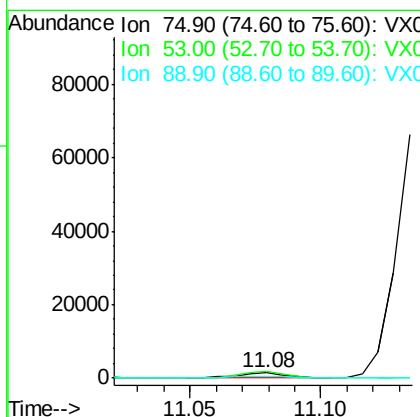
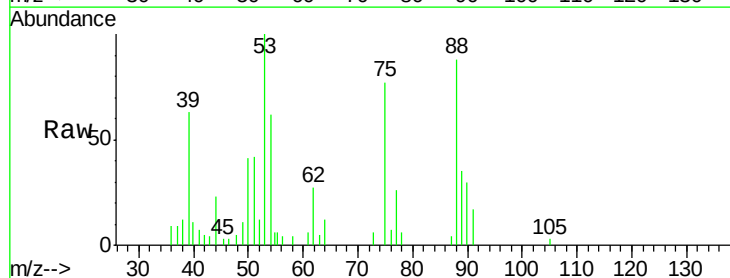
Manual Integrations
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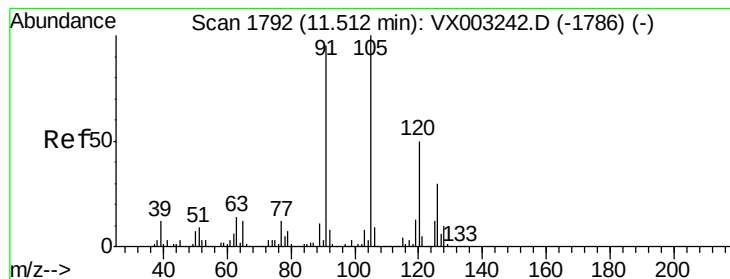
MMDadoda
 7/10/2018 3:11:53 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.42 ug/l m
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	11.3	86.8	130.2#
89	0.0	38.2	57.2#





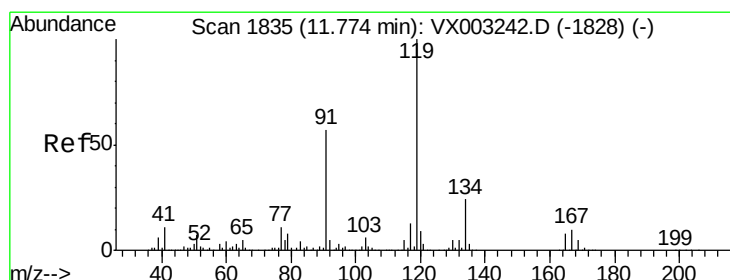
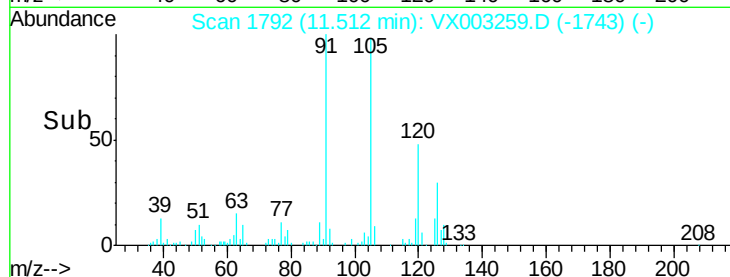
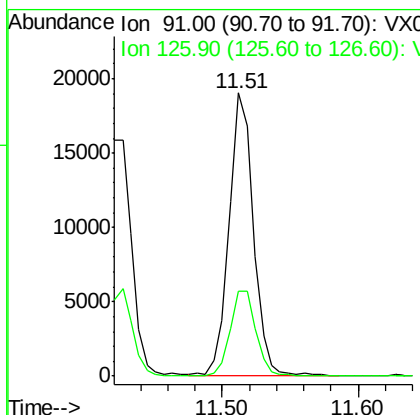
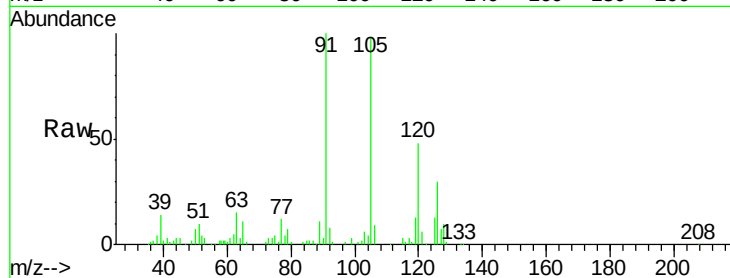
#82
4-Chlorotoluene
Concen: 1.96 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion: 91 Resp: 23877
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.4

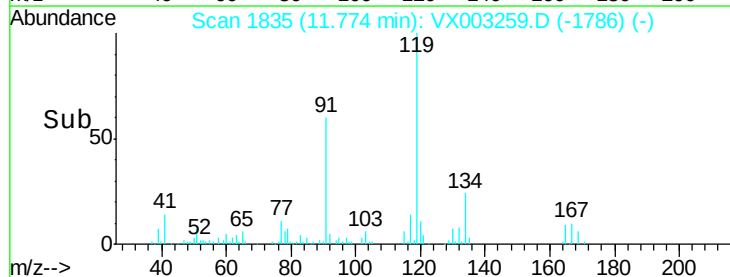
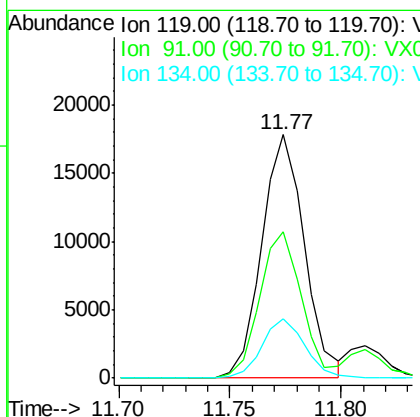
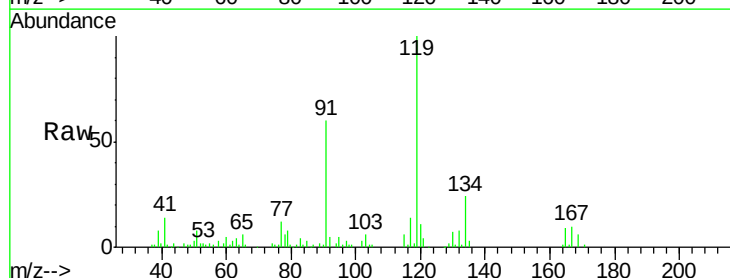
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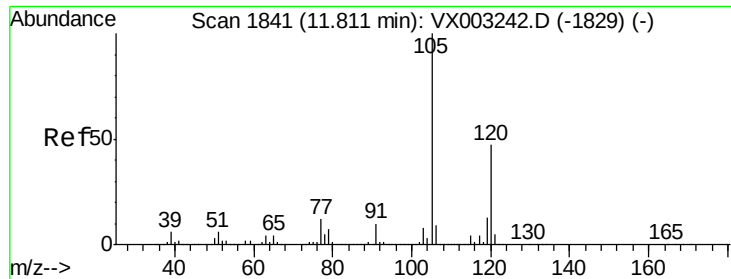
MMDadoda
7/10/2018 3:11:53 PM



#83
tert-Butylbenzene
Concen: 1.86 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion: 119 Resp: 23745
Ion Ratio Lower Upper
119 100
91 59.6 30.3 90.9
134 24.7 11.7 35.1





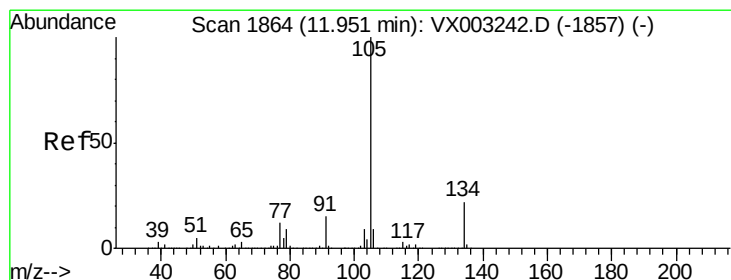
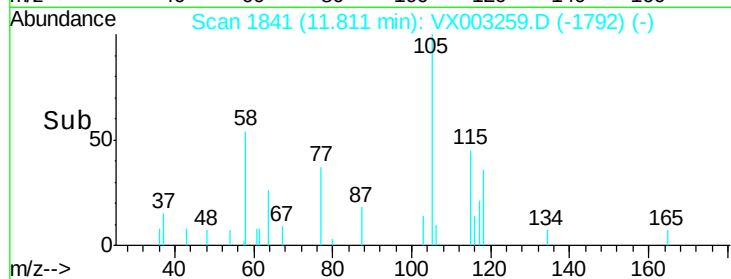
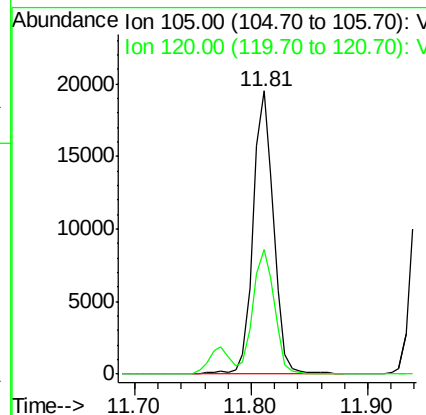
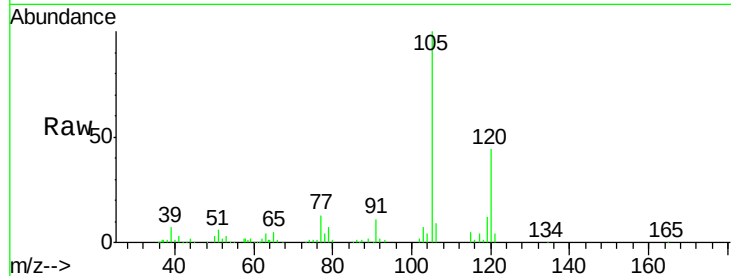
#84
 1,2,4-Trimethylbenzene
 Concen: 1.82 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion:105 Resp: 23871
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.3 66.8

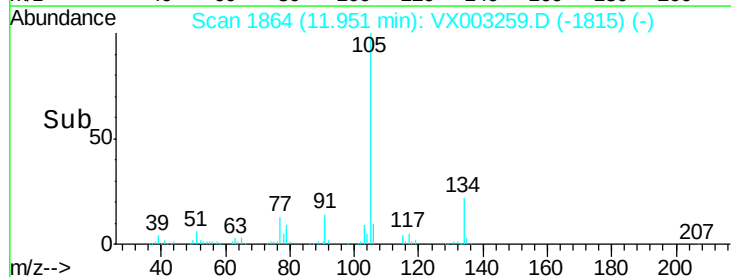
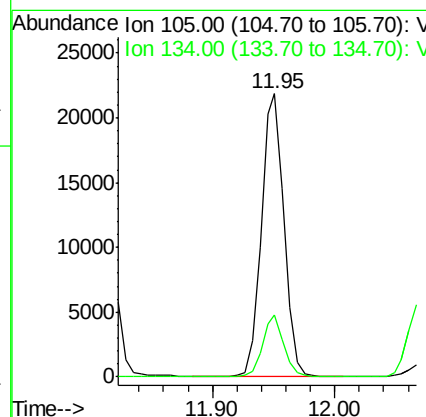
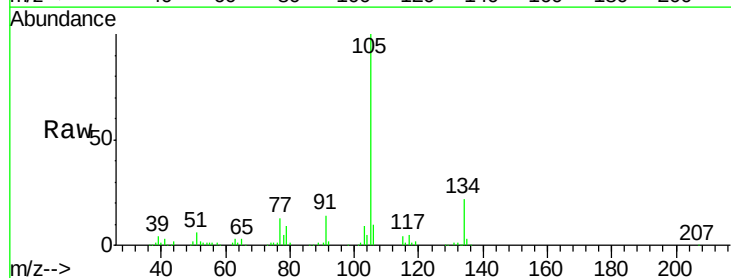
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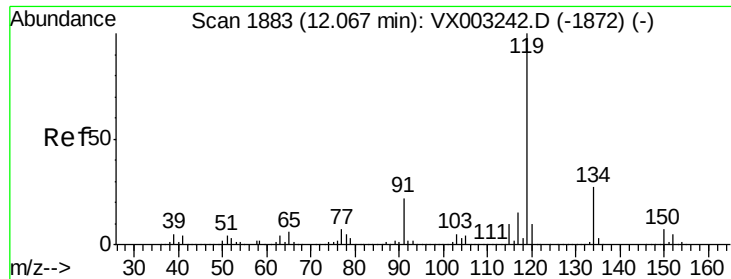
MMDadoda
 7/10/2018 3:11:53 PM



#85
 sec-Butylbenzene
 Concen: 1.87 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion:105 Resp: 28279
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1





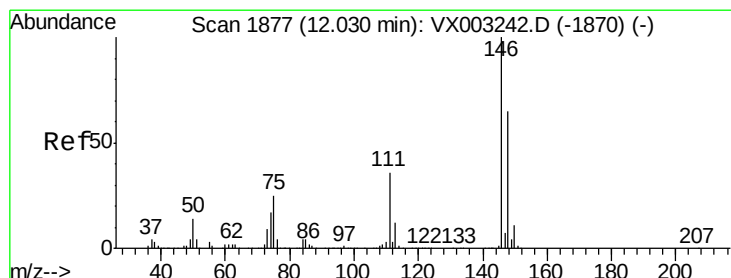
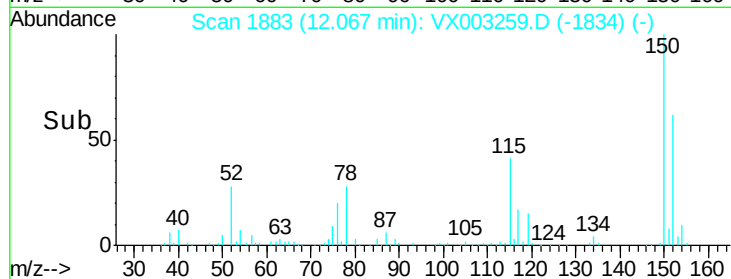
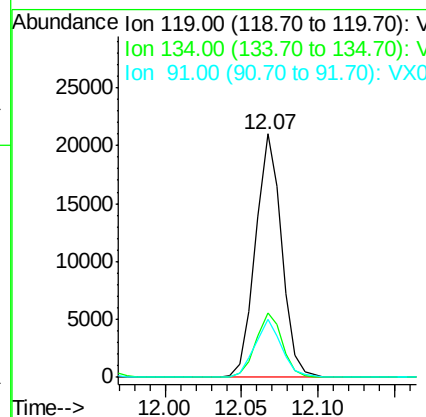
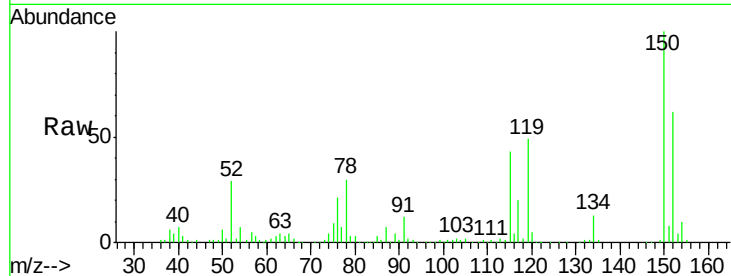
#86
p-Isopropyltoluene
Concen: 1.82 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
119	100	25031		
134	26.7		13.4	40.1
91	24.5		11.9	35.7

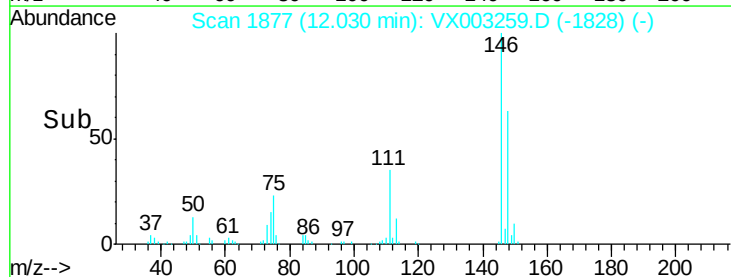
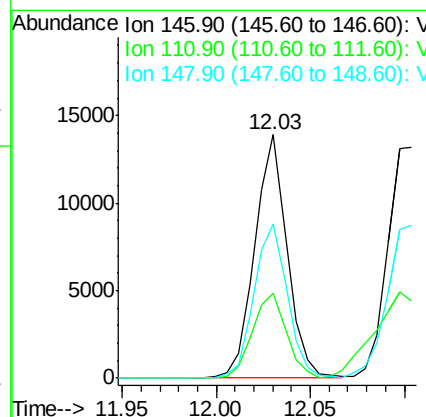
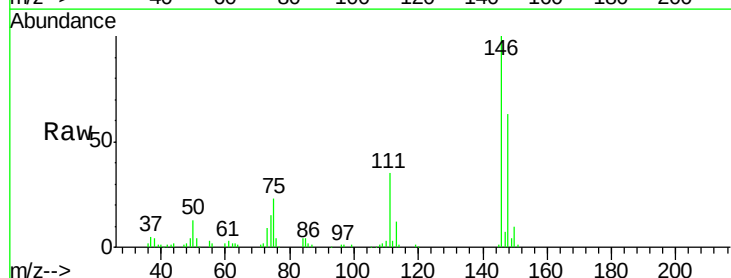
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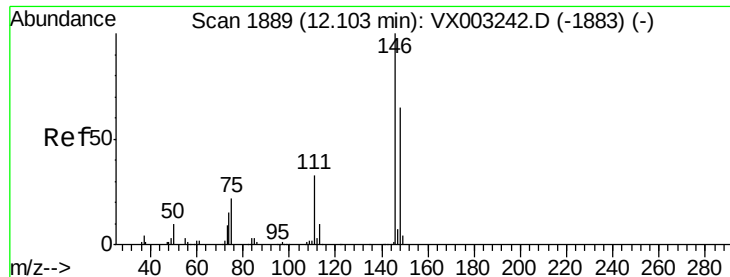
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 2.03 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX003259.D
Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	16521		
111	36.3		18.9	56.7
148	65.6		32.1	96.3





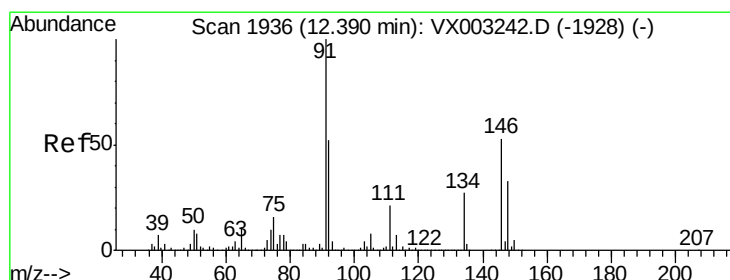
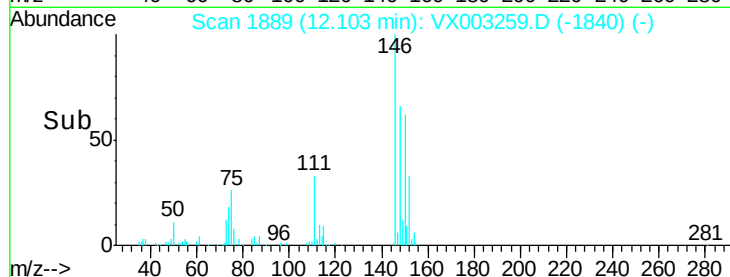
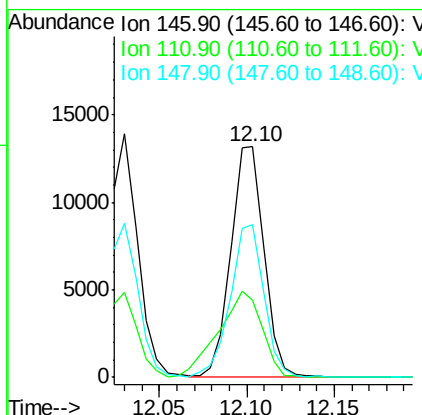
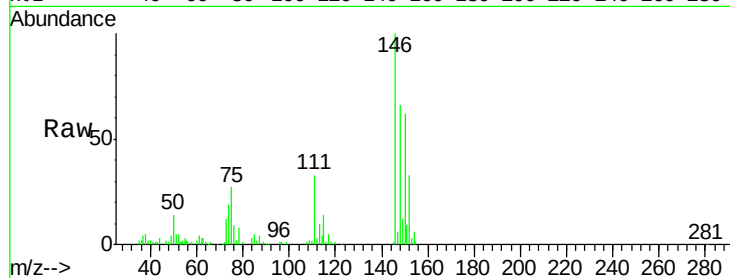
#88
 1,4-Dichlorobenzene
 Concen: 2.11 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	18.7	56.1
148	67.7	32.4	97.0

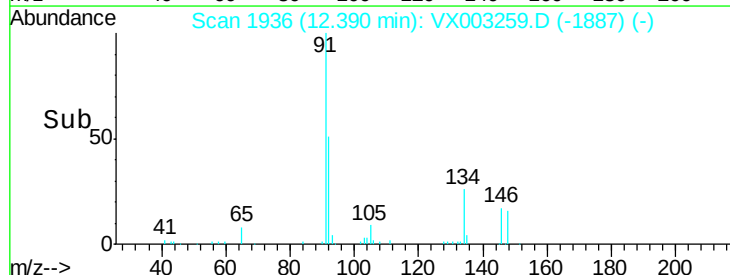
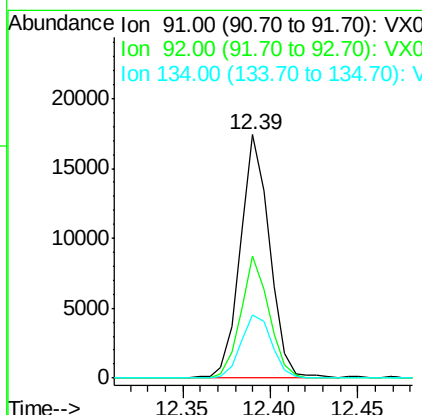
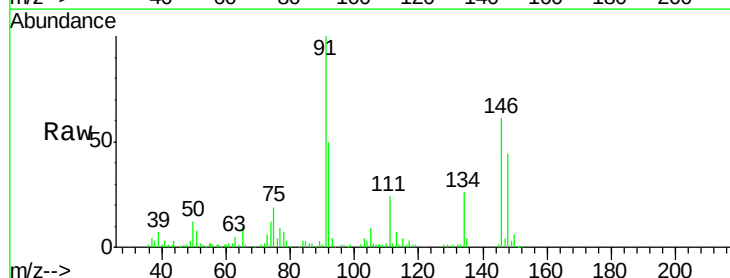
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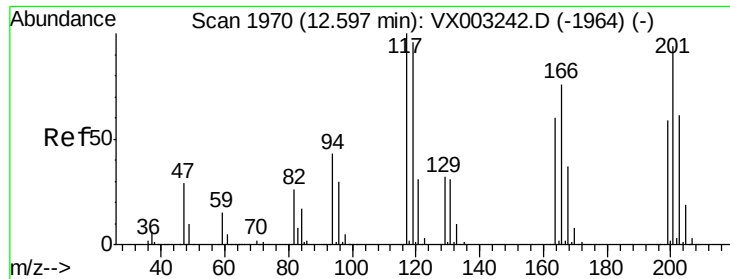
MMDadoda
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#89
 n-Butylbenzene
 Concen: 1.76 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.2	26.0	78.0
134	27.5	13.5	40.5





#90

Hexachloroethane

Concen: 1.70 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT3-2018

Tot Ion:117 Resp: 3567

Ion Ratio Lower Upper

117 100

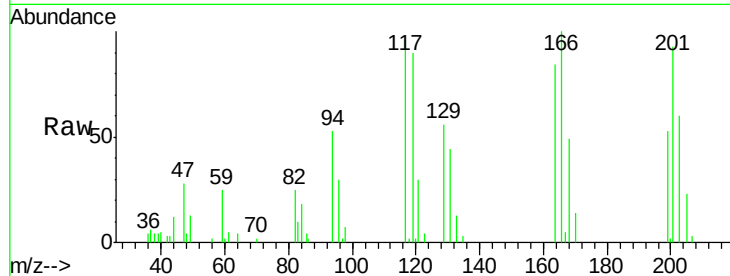
201 98.0 49.0 147.0

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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

3000

2500

2000

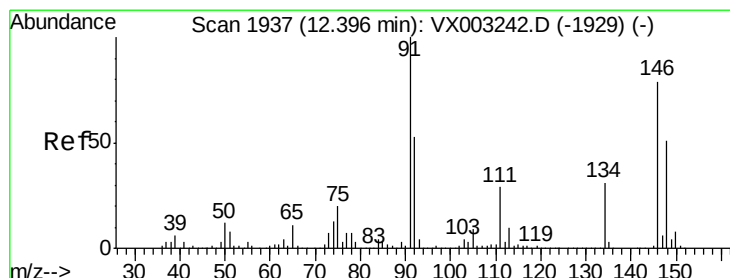
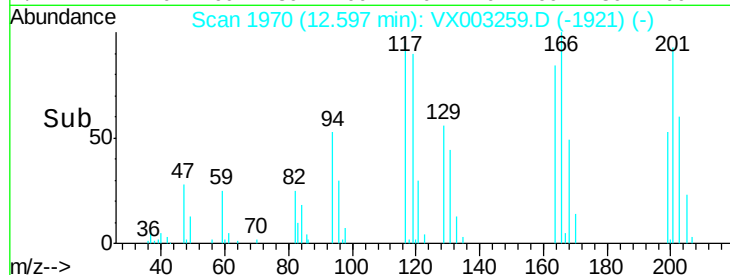
1500

1000

500

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 2.00 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

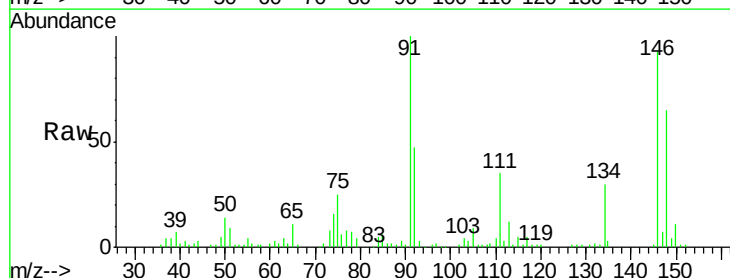
Tgt Ion:146 Resp: 16351

Ion Ratio Lower Upper

146 100

111 37.2 19.4 58.1

148 65.9 31.7 95.1



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

12.40

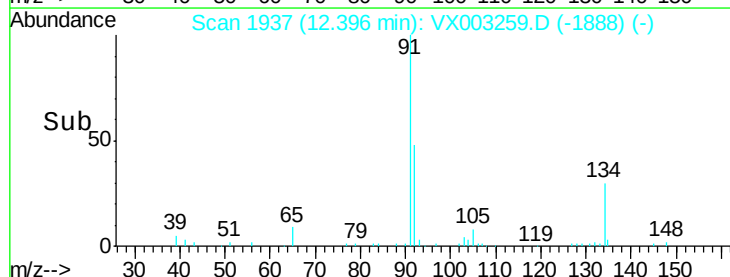
15000

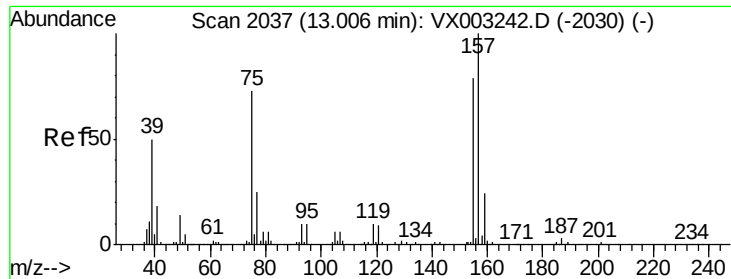
10000

5000

0

Time-->





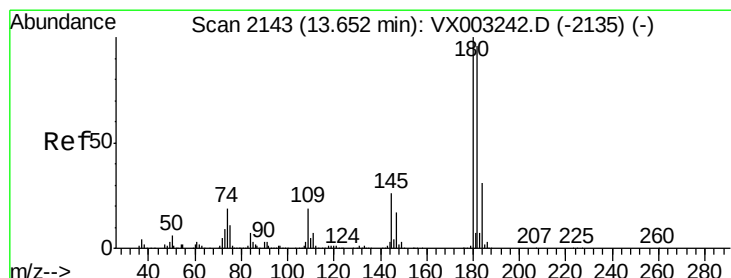
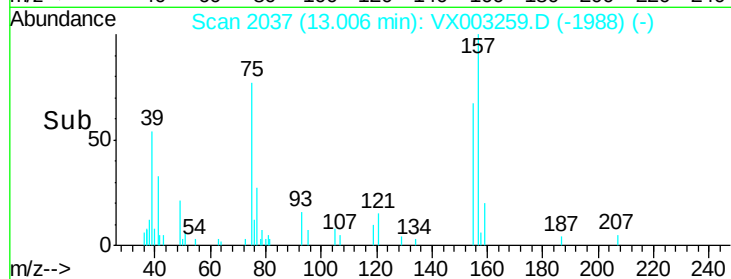
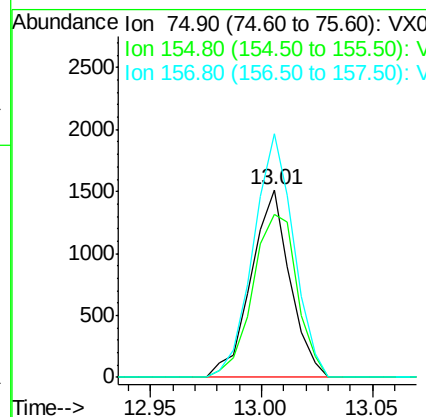
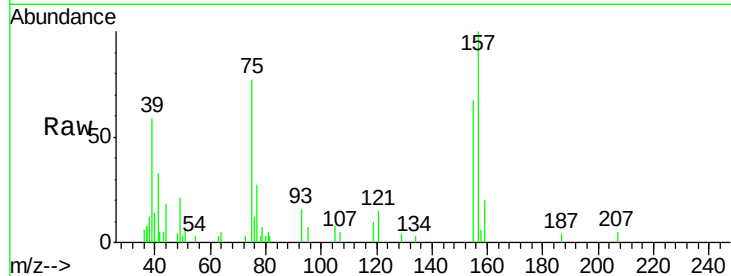
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.81 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion: 75 Resp: 1848
 Ion Ratio Lower Upper
 75 100
 155 99.4 45.8 137.4
 157 133.9 60.1 180.3

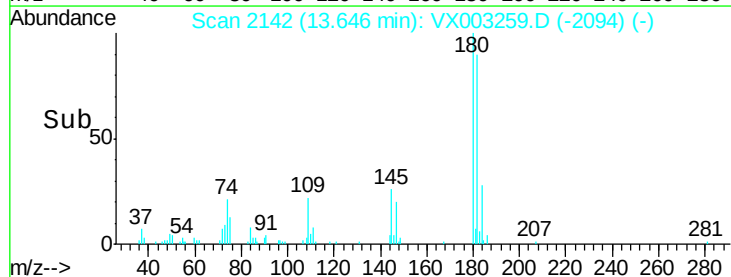
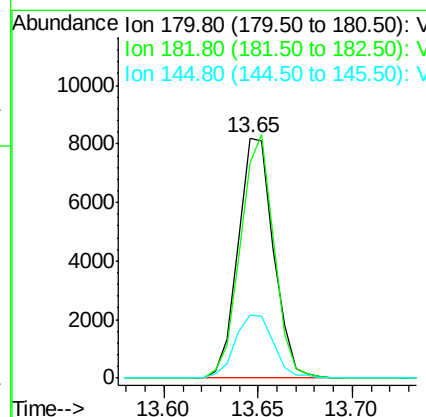
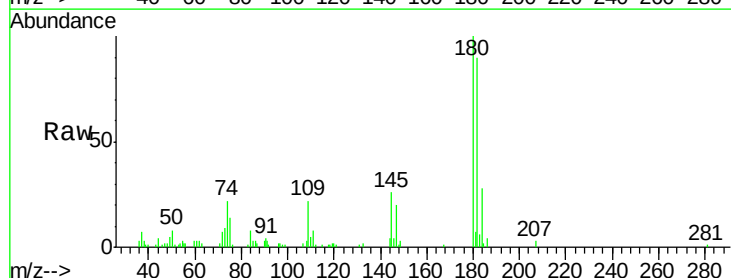
Manual Integrations
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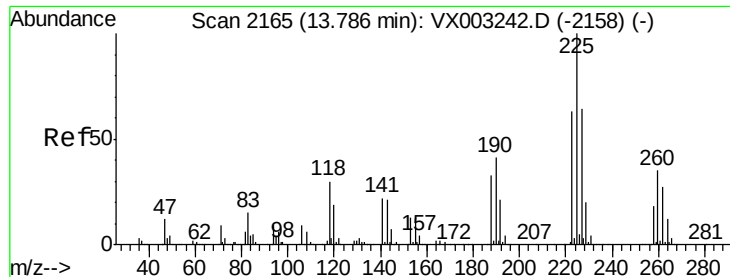
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.80 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Tgt Ion: 180 Resp: 10709
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.7 143.1
 145 28.1 14.1 42.4





#94

Hexachlorobutadiene

Concen: 1.79 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003259.D

Acq: 09 Jul 2018 22:17

Instrument :

MSVOA_X

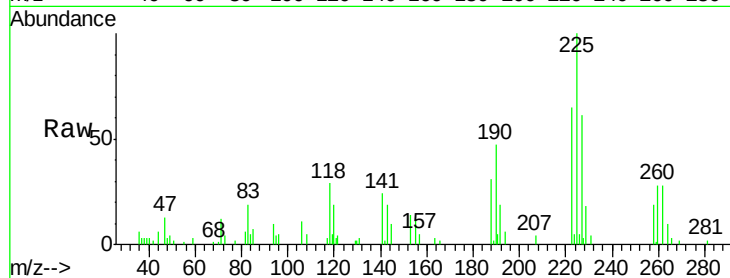
ClientSampleId :

LOQ-WATER-02-QT3-2018

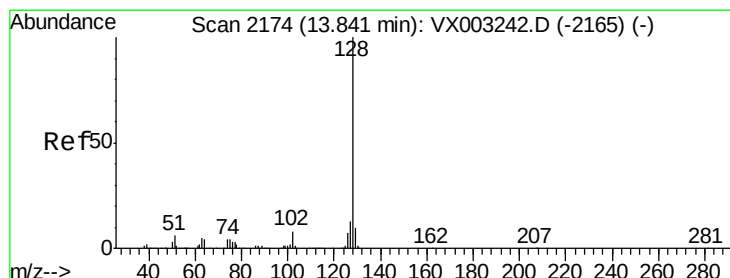
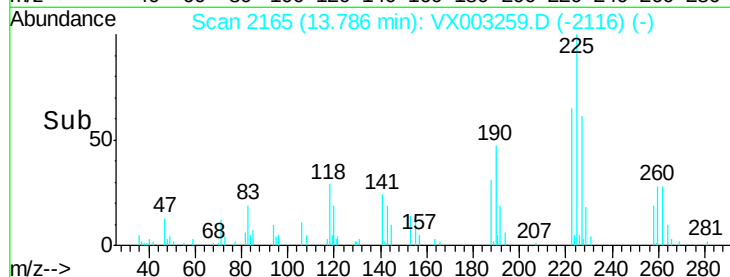
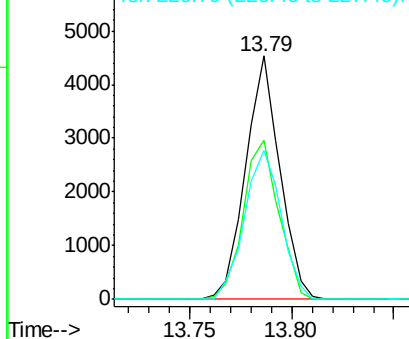
Tot Ion:	225	Resp:	5306
Ion Ratio	Lower	Upper	
225	100		
223	67.4	31.6	95.0
227	65.5	32.4	97.2

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



#95

Naphthalene

Concen: 1.70 ug/l

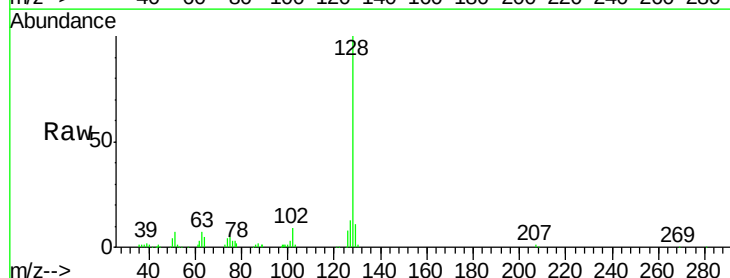
RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

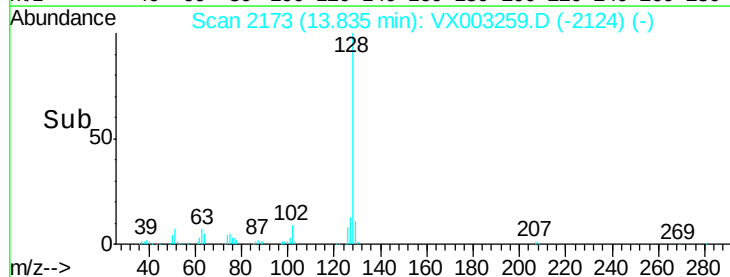
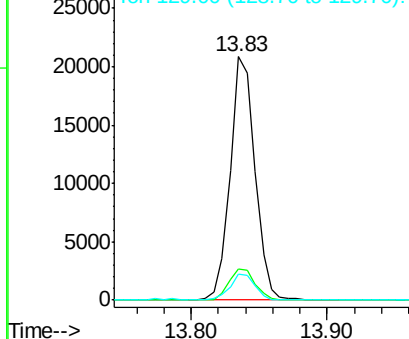
Lab File: VX003259.D

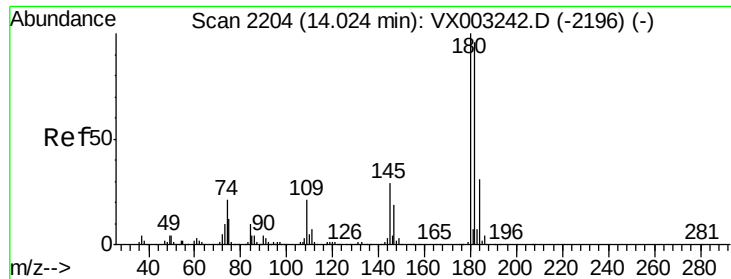
Acq: 09 Jul 2018 22:17

Tgt Ion:	128	Resp:	26435
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.4	15.6
129	10.8	8.6	13.0



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





#96
 1,2,3-Trichlorobenzene
 Concen: 1.89 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003259.D
 Acq: 09 Jul 2018 22:17

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2018

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	30.3	14.8	44.3

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