

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008617.D
 Acq On : 03 Apr 2019 16:57
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

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 4/4/2019 4:04:39 PM

Quant Time: Apr 04 15:45:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 15:38:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	309812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	276790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122296	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	132047	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	5.49	113	94093	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.71	98	388893	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	11.13	95	136537	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	3764	1.776	ug/l 93
3) Chloromethane	1.32	50	6535	2.232	ug/l 99
4) Vinyl Chloride	1.40	62	5265	1.838	ug/l 95
5) Bromomethane	1.64	94	5449	3.567	ug/l 89
6) Chloroethane	1.70	64	3179	1.673	ug/l 99
7) Trichlorofluoromethane	1.91	101	5943	1.877	ug/l 96
8) Diethyl Ether	2.18	74	3026	2.015	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3768	1.848	ug/l 97
10) Methyl Iodide	2.50	142	10123	6.024	ug/l 98
11) Tert butyl alcohol	3.07	59	29957	47.658	ug/l 100
12) 1,1-Dichloroethene	2.36	96	3743	1.759	ug/l 91
13) Acrolein	2.29	56	12684	40.695	ug/l 99
14) Allyl chloride	2.72	41	8949	1.837	ug/l 98
15) Acrylonitrile	3.15	53	15662	9.405	ug/l 98
16) Acetone	2.45	43	13742	8.886	ug/l 99
17) Carbon Disulfide	2.56	76	11666	1.707	ug/l 98
18) Methyl Acetate	2.78	43	7258	1.935	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	14290	1.880	ug/l 99
20) Methylene Chloride	2.85	84	5602	2.164	ug/l 98
21) trans-1,2-Dichloroethene	3.16	96	4154	1.805	ug/l 86
22) Diisopropyl ether	3.86	45	17849	1.901	ug/l 96
23) Vinyl Acetate	3.81	43	70751	8.661	ug/l 96
24) 1,1-Dichloroethane	3.69	63	8889	1.912	ug/l 99
25) 2-Butanone	4.69	43	22090	9.038	ug/l 99
26) 2,2-Dichloropropane	4.57	77	5652	1.726	ug/l 95
27) cis-1,2-Dichloroethene	4.59	96	4993	1.887	ug/l 97
28) Bromochloromethane	5.01	49	4600	2.085	ug/l # 97
29) Tetrahydrofuran	5.13	42	15012	9.254	ug/l 97
30) Chloroform	5.20	83	7641	1.840	ug/l 93
31) Cyclohexane	5.58	56	8400	1.811	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	6047	1.802	ug/l 98
36) 1,1-Dichloropropene	5.79	75	5838	1.724	ug/l 92
37) Ethyl Acetate	4.84	43	8081	1.788	ug/l # 90
38) Carbon Tetrachloride	5.78	117	4888	1.744	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7565	1.808	ug/l	98
40) Benzene	6.14	78	18830	1.866	ug/l	98
41) Methacrylonitrile	5.06	41	4728	1.820	ug/l #	90
42) 1,2-Dichloroethane	6.20	62	7396	2.045	ug/l	99
43) Isopropyl Acetate	6.45	43	12762	1.802	ug/l	99
44) Trichloroethene	7.21	130	4263	1.814	ug/l	91
45) 1,2-Dichloropropane	7.51	63	5306	1.843	ug/l	93
46) Dibromomethane	7.67	93	3089	1.850	ug/l	96
47) Bromodichloromethane	7.90	83	5169	1.641	ug/l #	97
48) Methyl methacrylate	7.77	41	6670	1.862	ug/l	95
49) 1,4-Dioxane	7.75	88	2712	40.417	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	41658	9.139	ug/l	100
52) Toluene	8.78	92	11380	1.913	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	5591	1.585	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	6399	1.588	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	4572	1.915	ug/l	97
56) Ethyl methacrylate	9.18	69	7673	1.776	ug/l	96
57) 1,3-Dichloropropane	9.37	76	8138	1.898	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	20670	9.371	ug/l	99
59) 2-Hexanone	9.49	43	31440	8.875	ug/l	99
60) Dibromochloromethane	9.58	129	3632	1.614	ug/l	99
61) 1,2-Dibromoethane	9.67	107	4186	1.684	ug/l	90
64) Tetrachloroethene	9.34	164	3685	1.797	ug/l	96
65) Chlorobenzene	10.13	112	11443	1.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	3492	1.622	ug/l #	63
67) Ethyl Benzene	10.25	91	20568	1.798	ug/l	99
68) m/p-Xylenes	10.35	106	14768	3.590	ug/l	98
69) o-Xylene	10.69	106	7122	1.787	ug/l	100
70) Styrene	10.71	104	11620	1.691	ug/l	97
71) Bromoform	10.86	173	2423	1.474	ug/l #	95
73) Isopropylbenzene	11.02	105	18805	1.855	ug/l	99
74) N-amyl acetate	10.90	43	9918	1.663	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	7485	1.942	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	6941m	2.066	ug/l	
77) Bromobenzene	11.26	156	4783	1.963	ug/l	97
78) n-propylbenzene	11.36	91	20725	1.756	ug/l	100
79) 2-Chlorotoluene	11.42	91	12902	1.807	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	15598	1.833	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1655m	1.358	ug/l	
82) 4-Chlorotoluene	11.51	91	15148	1.832	ug/l	99
83) tert-Butylbenzene	11.77	119	15026	1.836	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	15796	1.834	ug/l	99
85) sec-Butylbenzene	11.94	105	18008	1.852	ug/l	100
86) p-Isopropyltoluene	12.06	119	15190	1.741	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	8023	1.839	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	8143m	1.844	ug/l	
89) n-Butylbenzene	12.38	91	13415	1.639	ug/l	100
90) Hexachloroethane	12.59	117	2386	1.649	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	8052	1.859	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1471	1.735	ug/l	89

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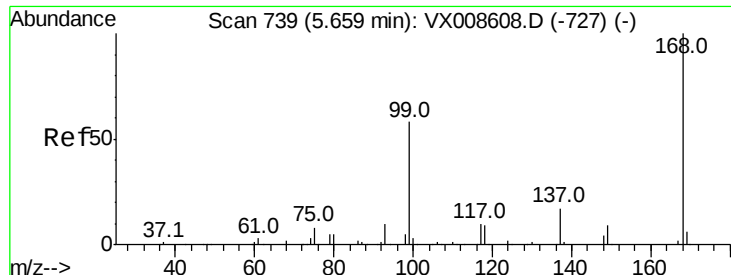
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4939	1.640	ug/l	97
94) Hexachlorobutadiene	13.78	225	2658	1.841	ug/l	99
95) Naphthalene	13.83	128	17073	1.696	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	5081	1.689	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:168 Resp: 184083

Ion Ratio Lower Upper

168 100

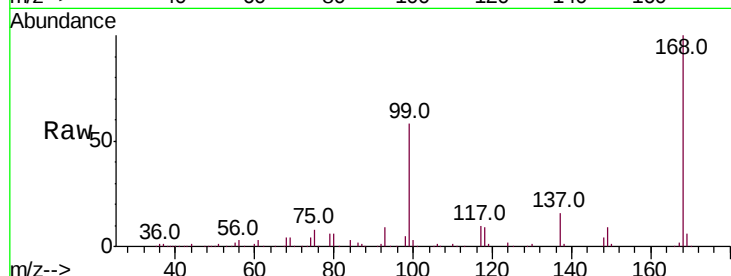
99 58.1 46.7 70.1

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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

60000

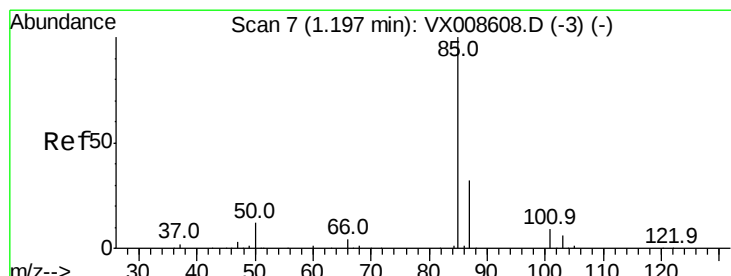
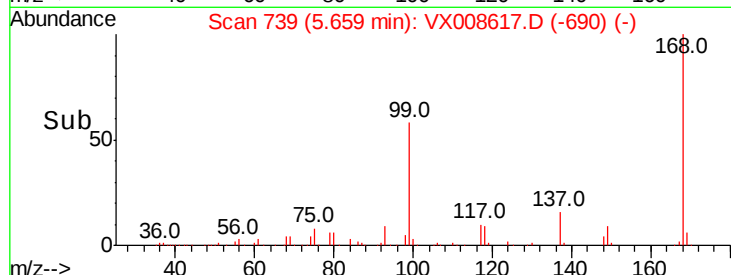
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.776 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008617.D

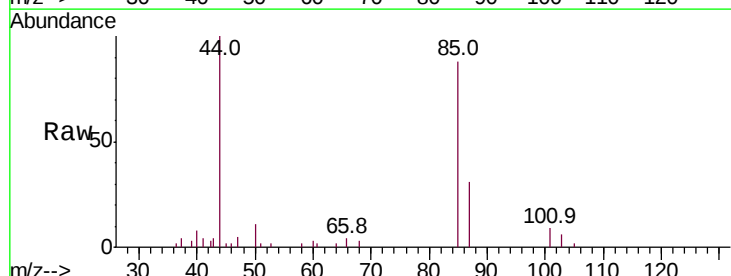
Acq: 03 Apr 2019 16:57

Tgt Ion: 85 Resp: 3764

Ion Ratio Lower Upper

85 100

87 35.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

3000

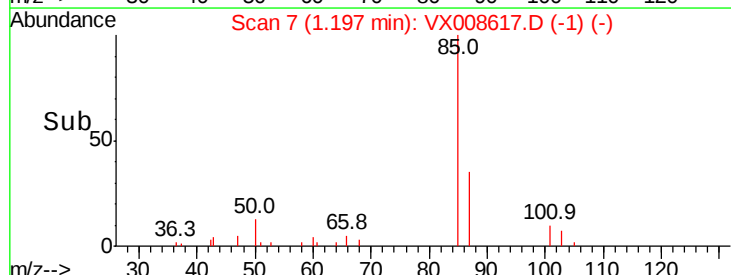
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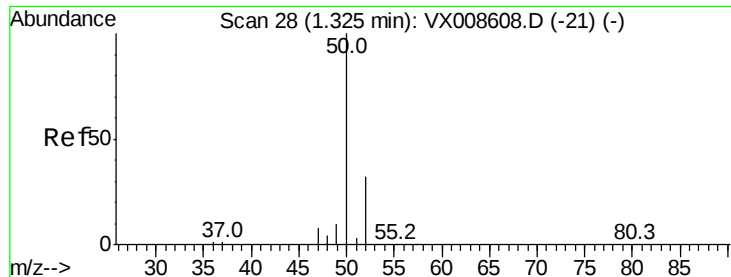
1000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 2.232 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 50 Resp: 6535

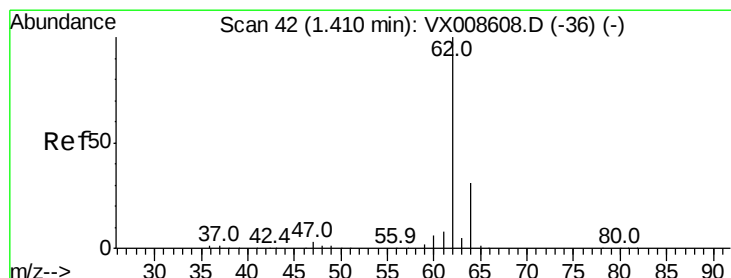
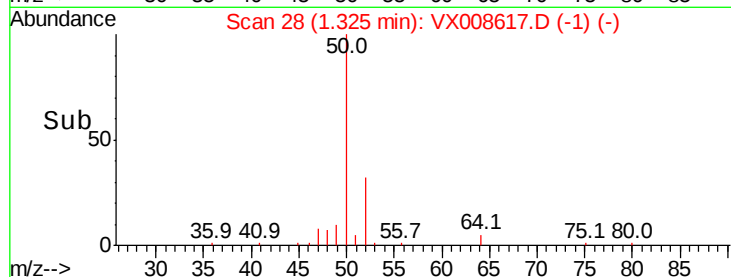
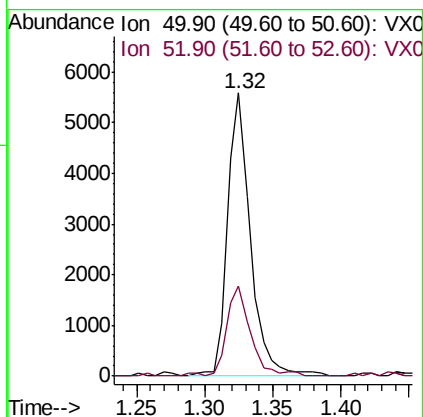
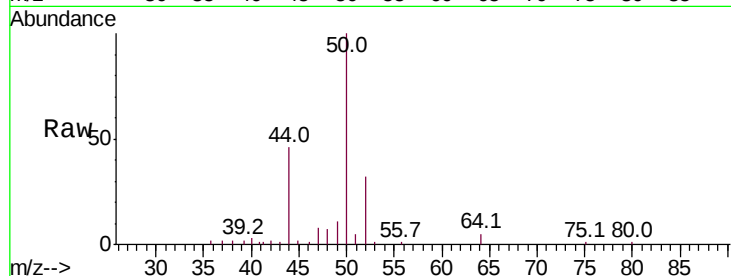
Ion Ratio Lower Upper

50 100

52 31.7 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.838 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008617.D

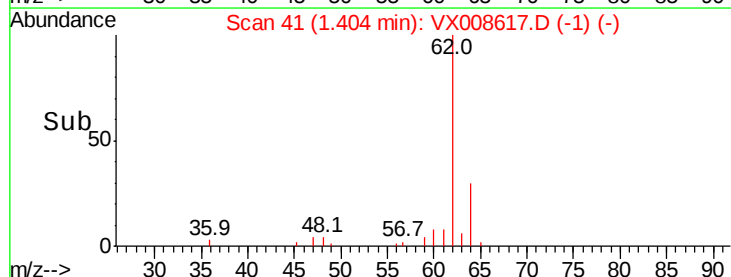
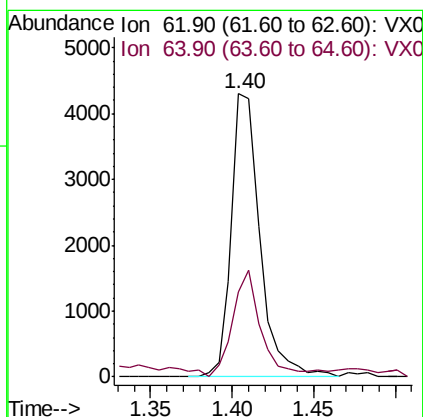
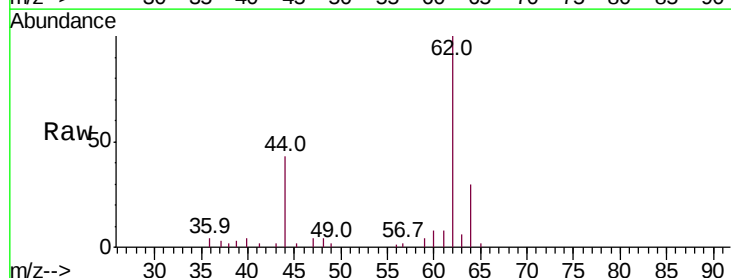
Acq: 03 Apr 2019 16:57

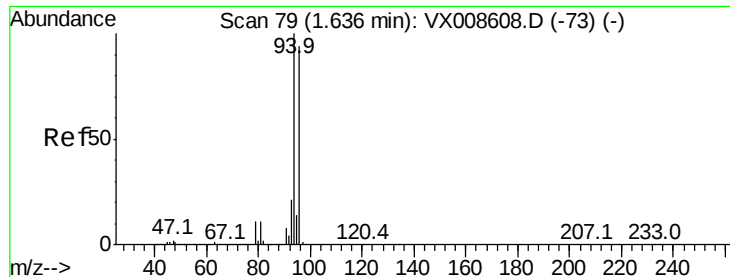
Tgt Ion: 62 Resp: 5265

Ion Ratio Lower Upper

62 100

64 27.9 24.7 37.1





#5

Bromomethane

Concen: 3.567 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 94 Resp: 5449

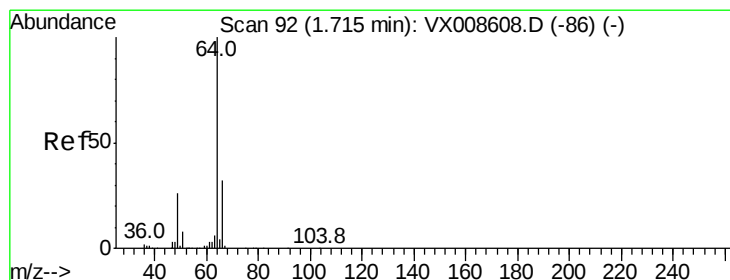
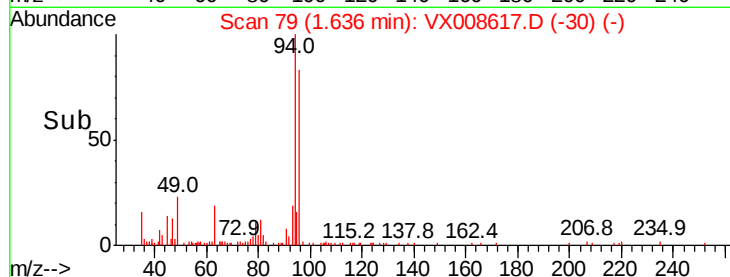
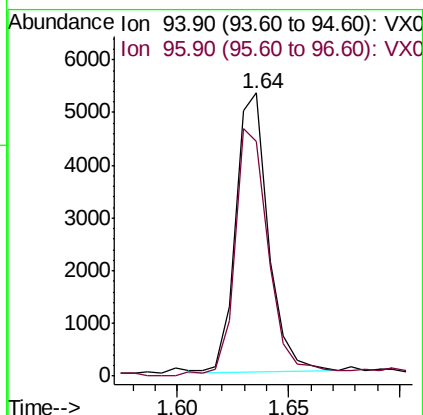
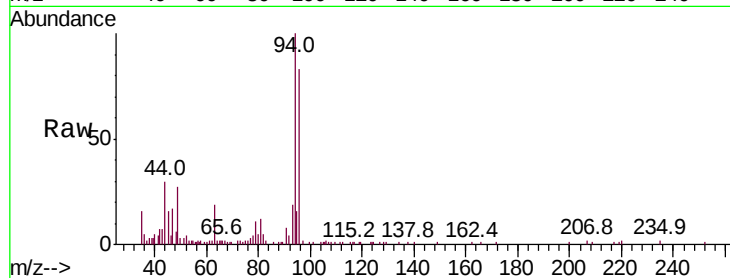
Ion Ratio Lower Upper

94 100

96 83.2 75.2 112.8

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#6

Chloroethane

Concen: 1.673 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008617.D

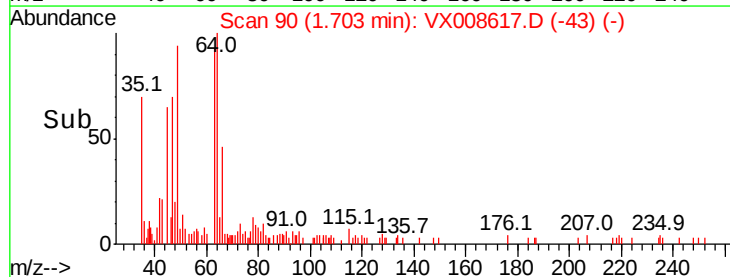
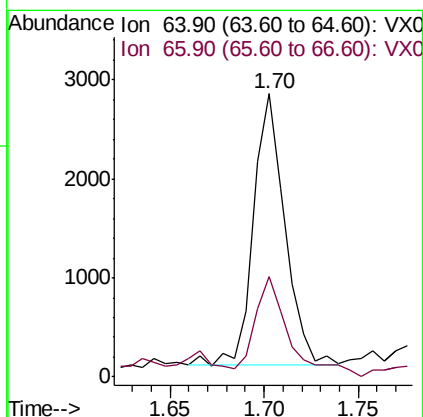
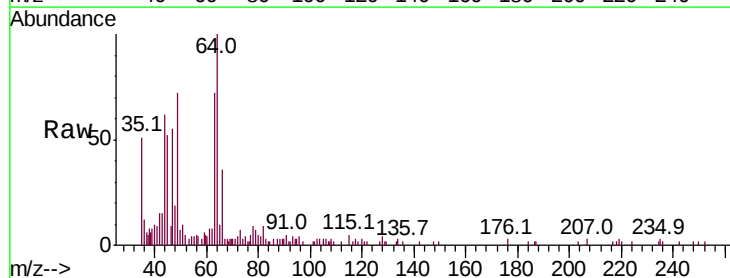
Acq: 03 Apr 2019 16:57

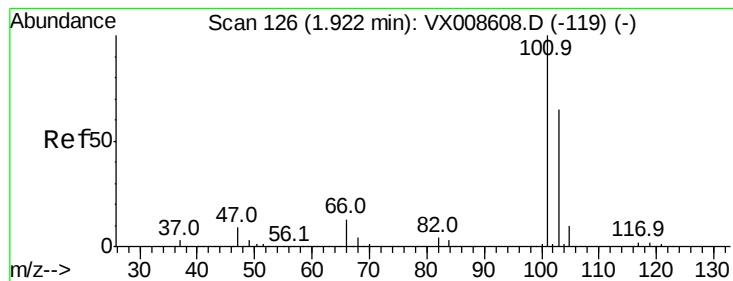
Tgt Ion: 64 Resp: 3179

Ion Ratio Lower Upper

64 100

66 32.5 25.4 38.0





#7

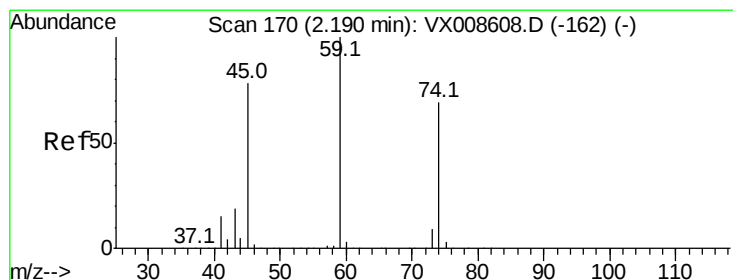
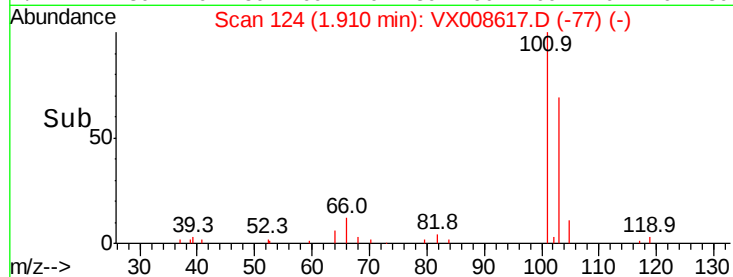
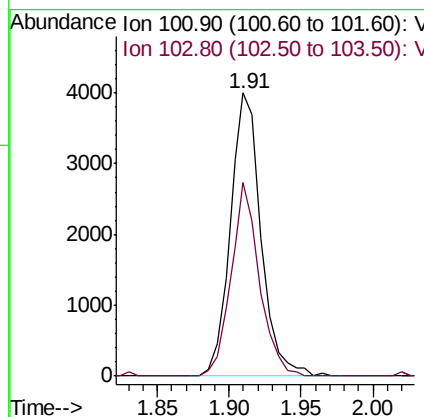
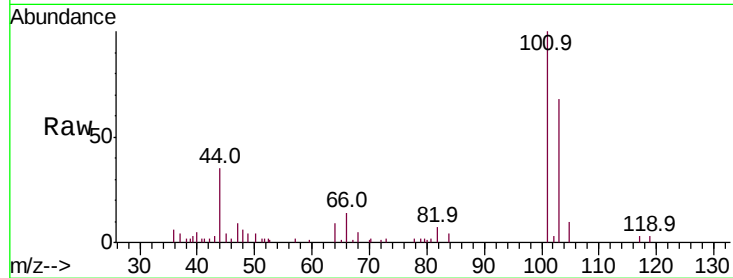
Trichlorofluoromethane
 Concen: 1.877 ug/l
 RT: 1.91 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

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 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	52.3	78.5

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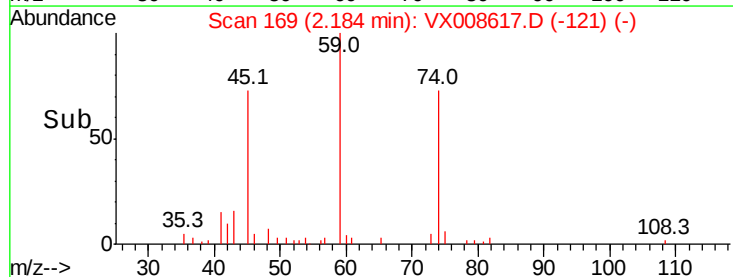
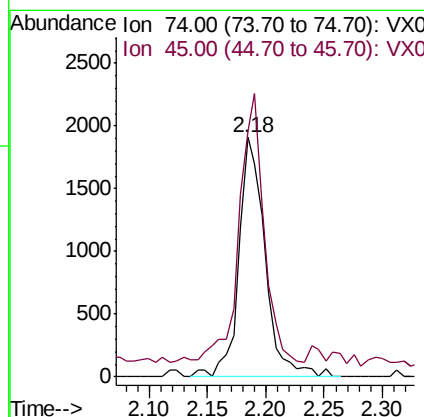
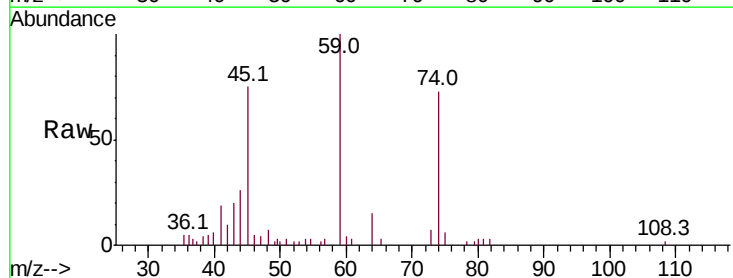
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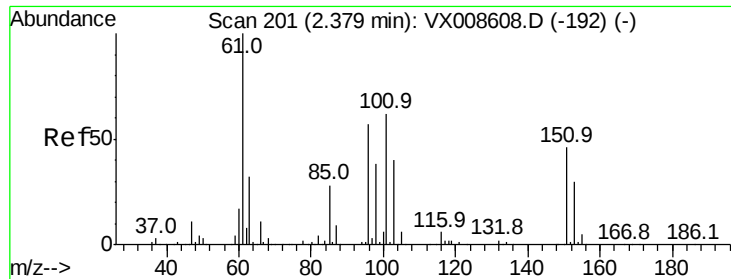


#8

Diethyl Ether
 Concen: 2.015 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.848 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

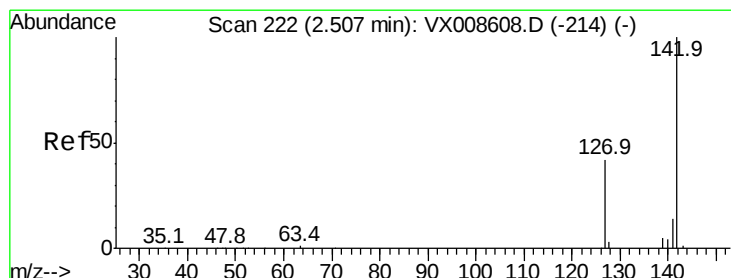
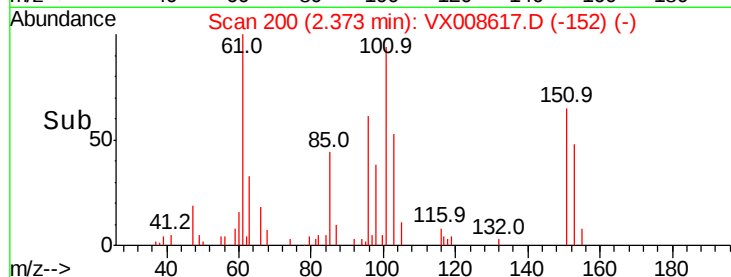
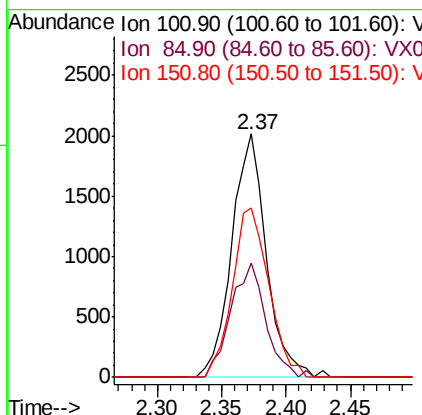
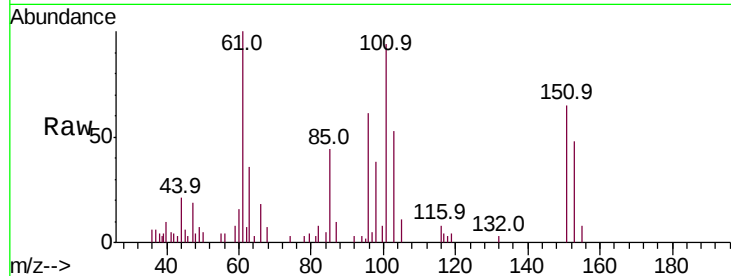
ClientSampleId :

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Tot Ion:	101	Resp:	3768
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.0	54.0
151	72.8	59.9	89.9

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#10

Methyl Iodide

Concen: 6.024 ug/l

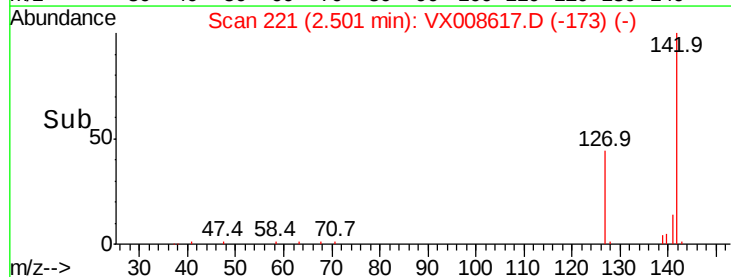
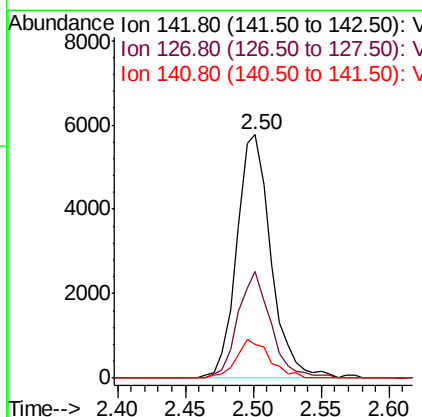
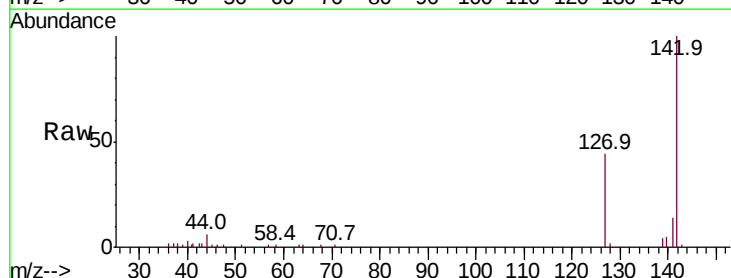
RT: 2.50 min Scan# 221

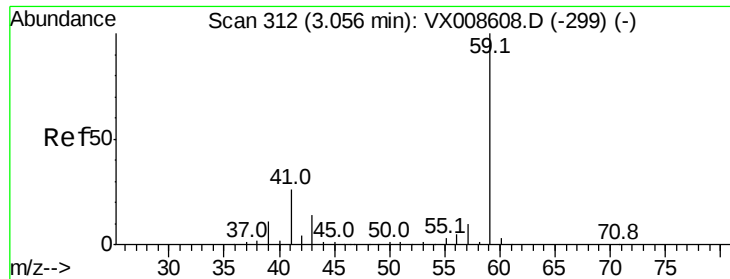
Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	142	Resp:	10123
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.0	49.6
141	15.6	11.4	17.2





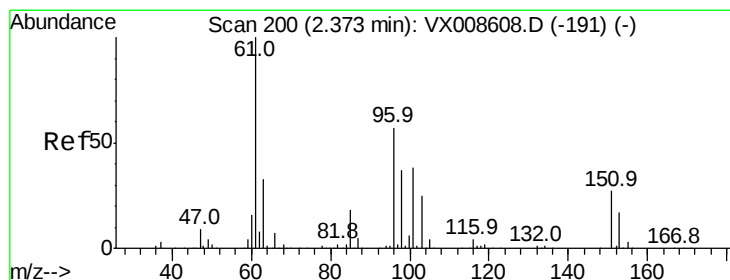
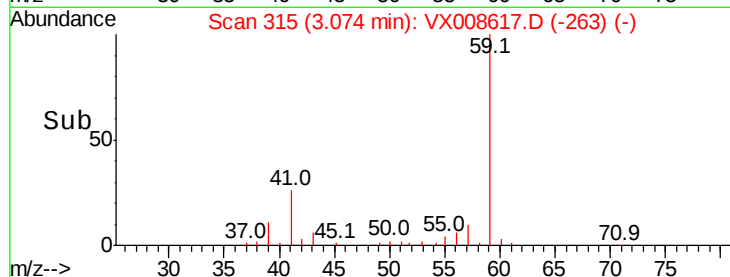
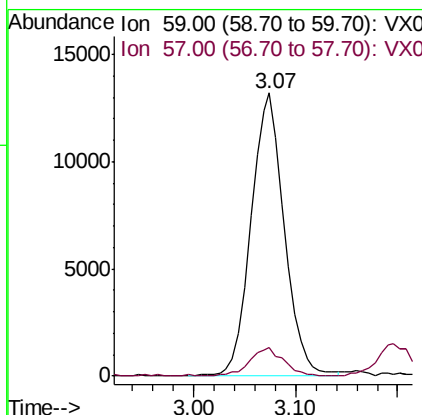
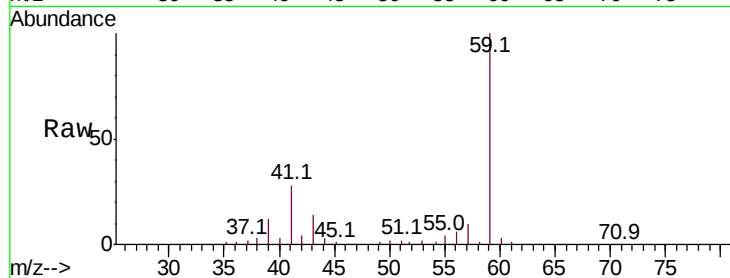
#11
Tert butyl alcohol
Concen: 47.658 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.02 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

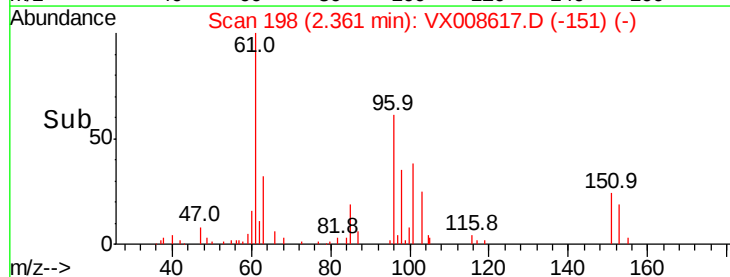
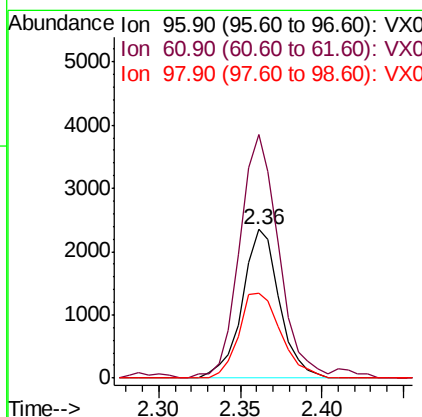
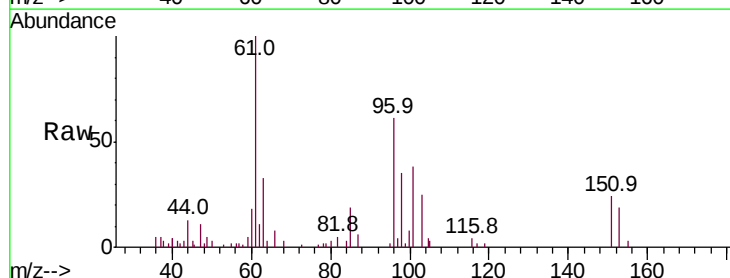
Manual Integrations
APPROVED

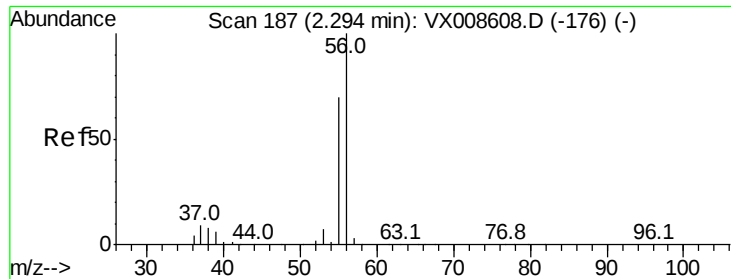
MMDadoda
4/4/2019 4:04:39 PM



#12
1,1-Dichloroethene
Concen: 1.759 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	140.9	211.3
98	57.0	52.1	78.1





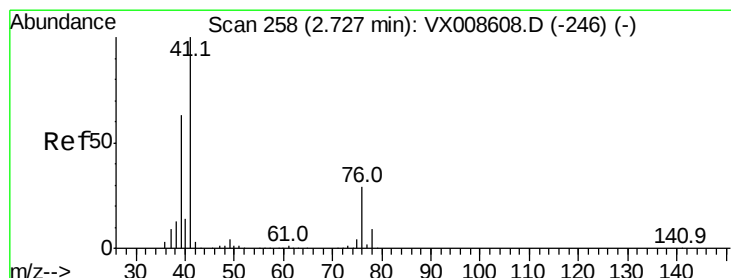
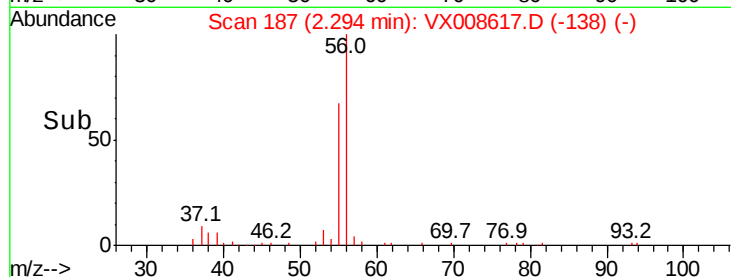
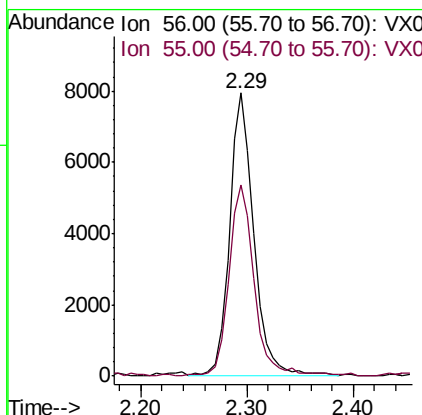
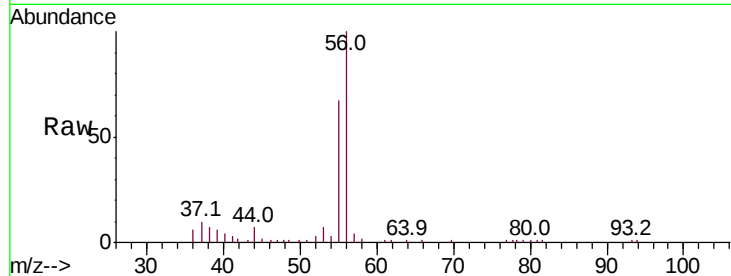
#13
 Acrolein
 Concen: 40.695 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	56	Resp	12684
Ion Ratio	100	Lower	Upper
55	71.3	58.0	87.0

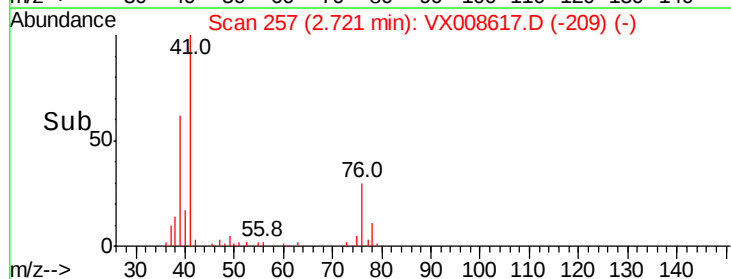
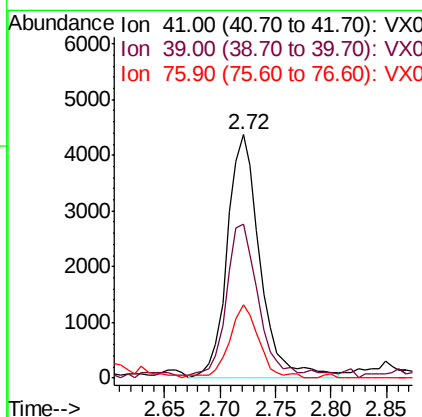
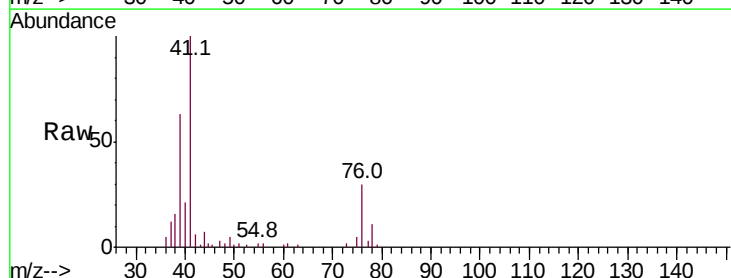
Manual Integrations
 APPROVED

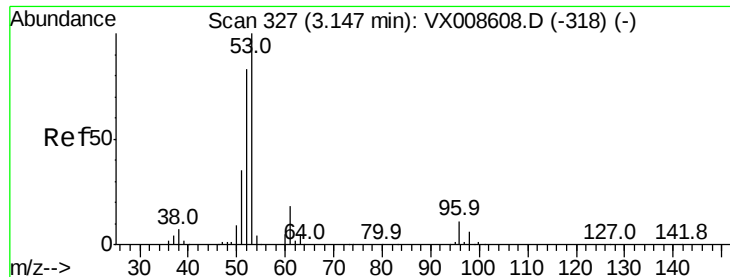
MMDadoda
 4/4/2019 4:04:39 PM



#14
 Allyl chloride
 Concen: 1.837 ug/l
 RT: 2.72 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	41	Resp	8949
Ion Ratio	100	Lower	Upper
39	58.1	48.0	72.0
76	27.2	22.0	33.0





#15

Acrylonitrile

Concen: 9.405 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

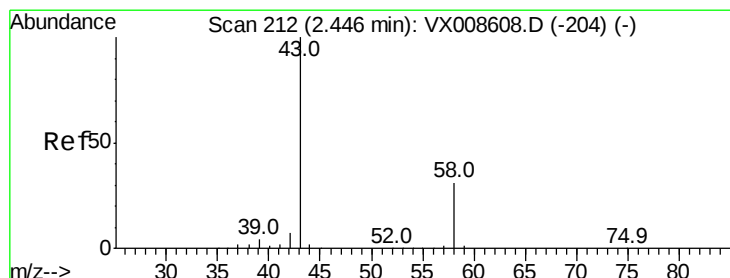
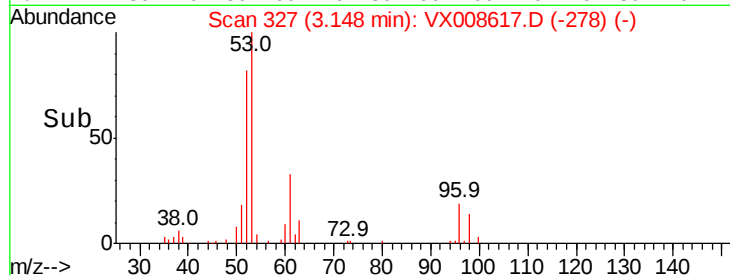
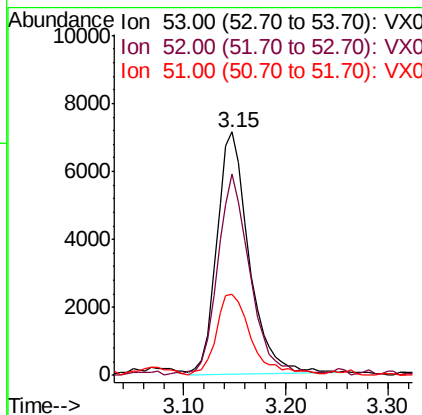
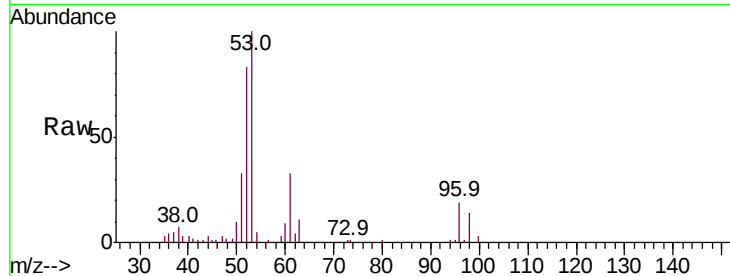
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	53	Resp:	15662
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.5	99.7
51	36.7	28.6	42.8

Manual Integrations
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MMDadoda
4/4/2019 4:04:39 PM



#16

Acetone

Concen: 8.886 ug/l

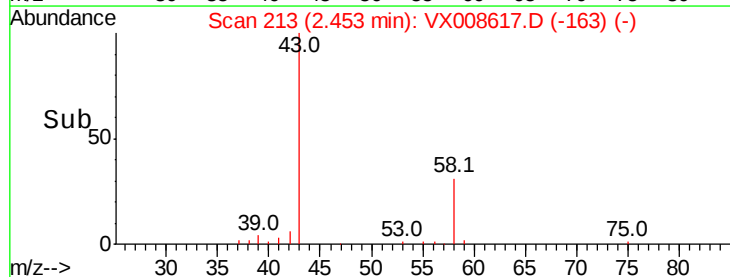
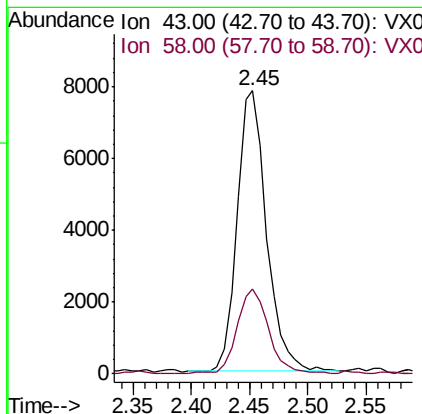
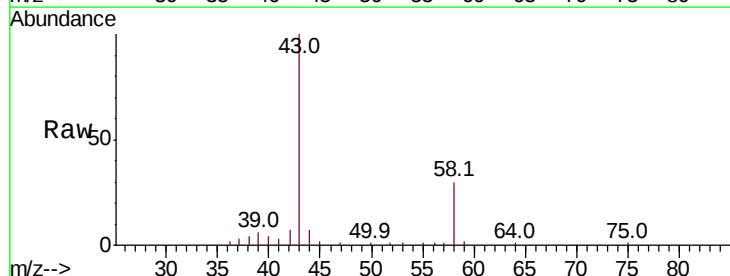
RT: 2.45 min Scan# 213

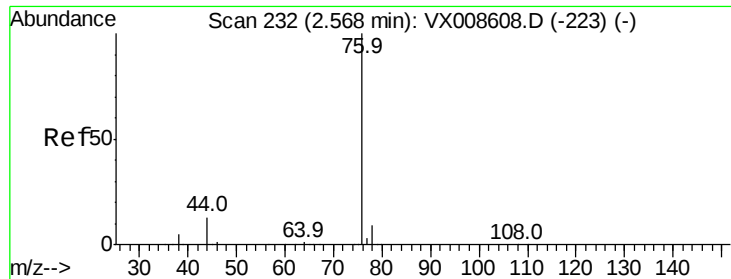
Delta R.T. 0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	43	Resp:	13742
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.8	37.2





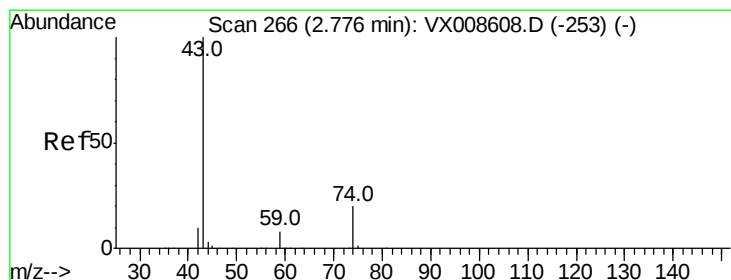
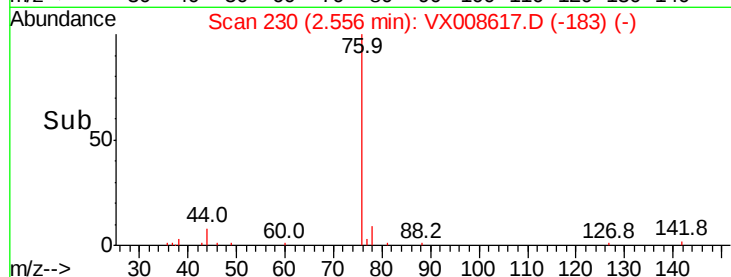
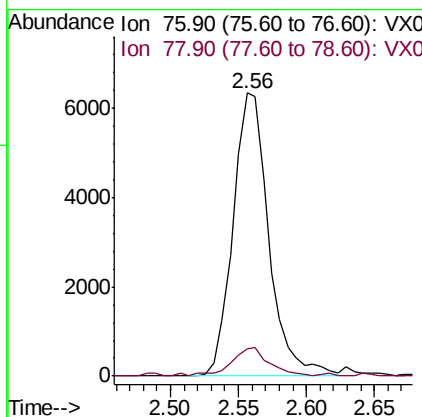
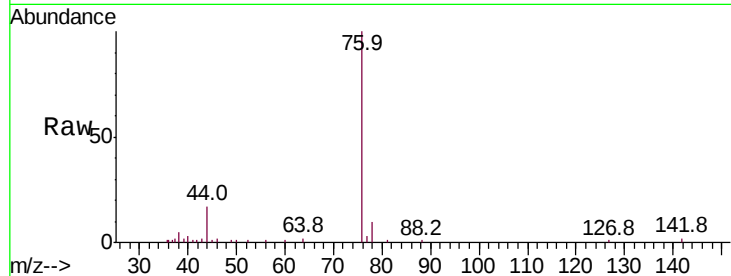
#17
Carbon Disulfide
Concen: 1.707 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

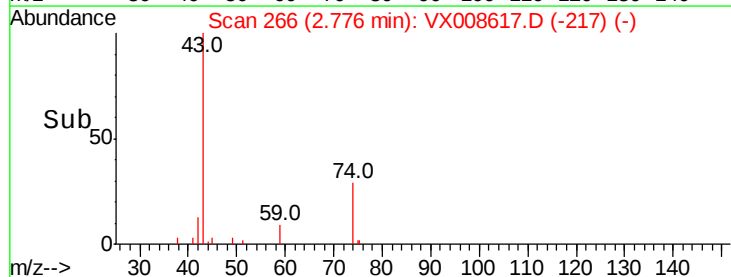
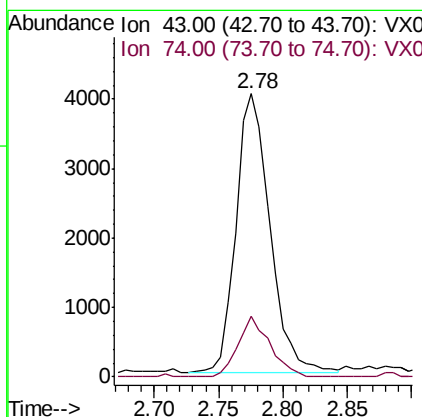
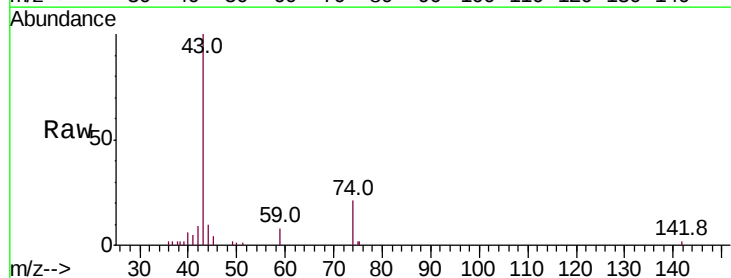
Manual Integrations
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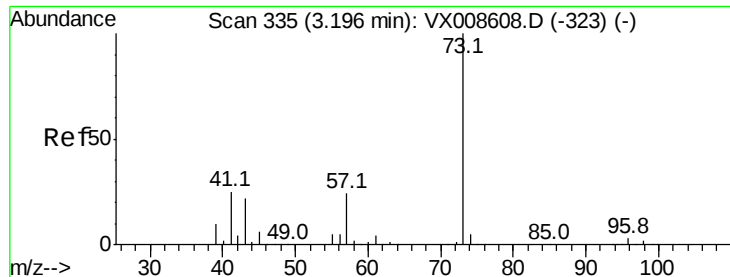
MMDadoda
4/4/2019 4:04:39 PM



#18
Methyl Acetate
Concen: 1.935 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.5	24.7





#19

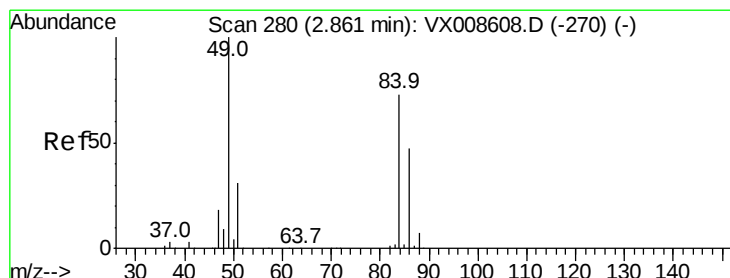
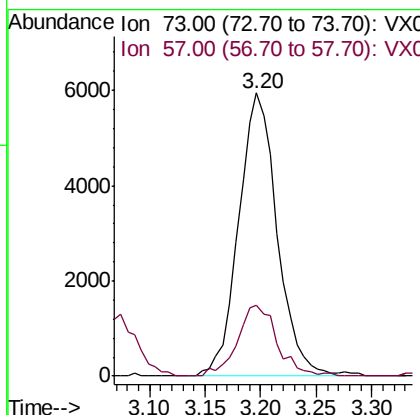
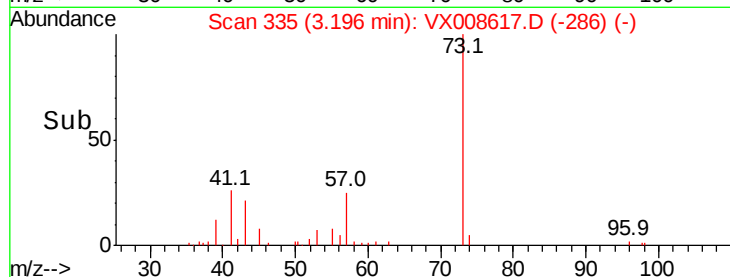
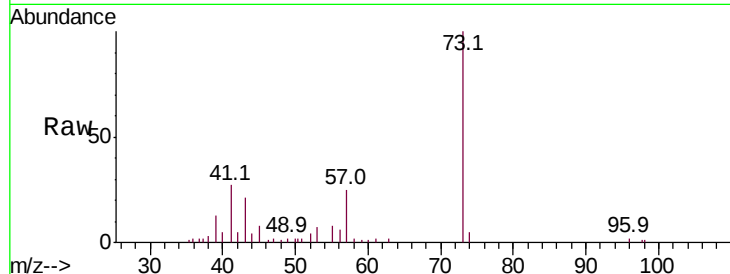
Methyl tert-butyl Ether
 Concen: 1.880 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	19.5	29.3

Manual Integrations
 APPROVED

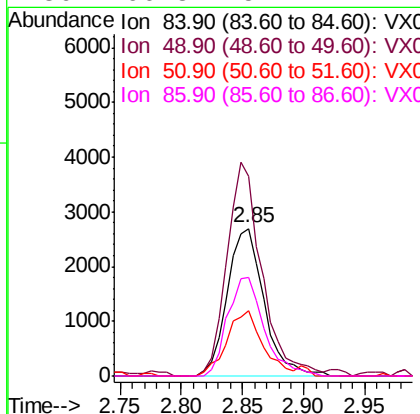
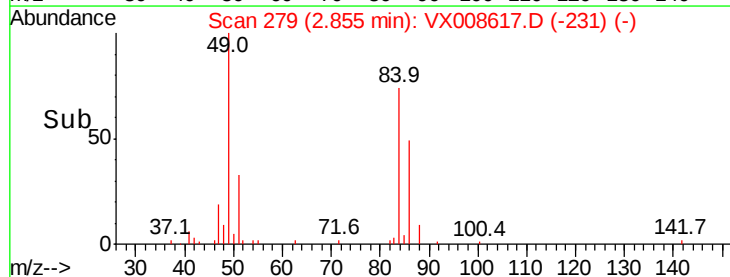
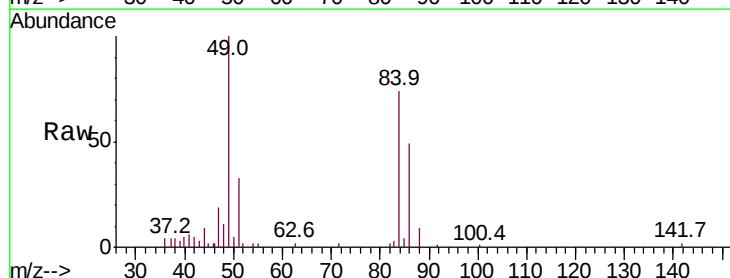
MMDadoda
 4/4/2019 4:04:39 PM

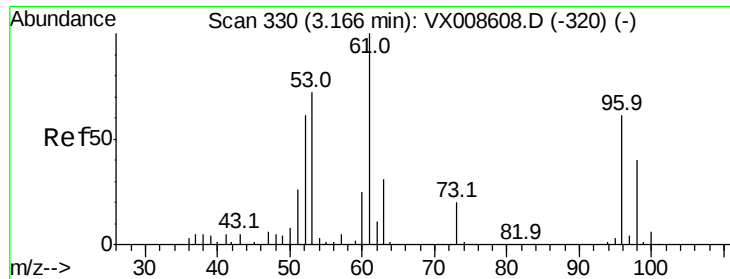


#20

Methylene Chloride
 Concen: 2.164 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.1	109.7	164.5
51	44.3	33.6	50.4
86	66.8	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 1.805 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

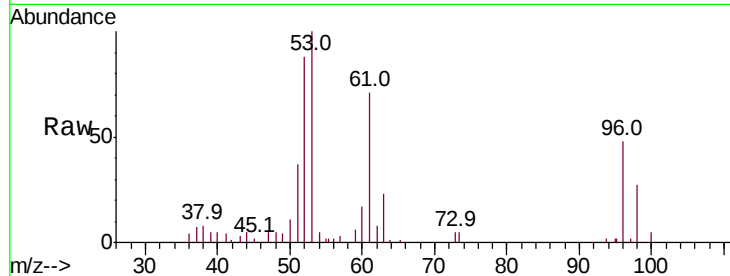
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	96	Resp:	4154
Ion	Ratio	Lower	Upper
96	100		
61	145.8	132.1	198.1
98	55.2	52.2	78.2

Manual Integrations
APPROVED

MMDadoda
4/4/2019 4:04:39 PM

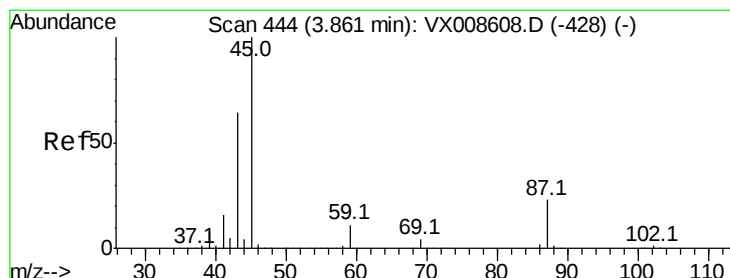
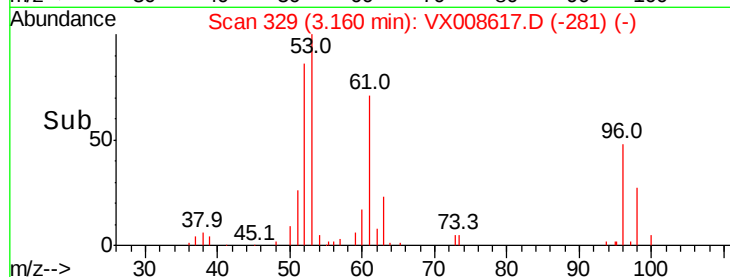
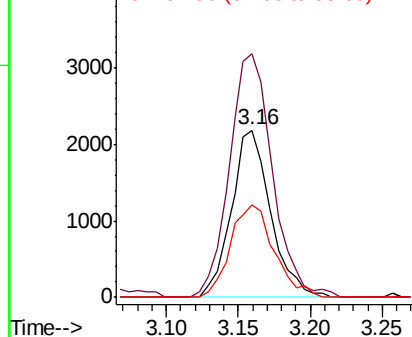


Abundance

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



#22

Diisopropyl ether

Concen: 1.901 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	45	Resp:	17849
Ion	Ratio	Lower	Upper
45	100		
43	67.0	51.3	76.9
87	24.5	18.1	27.1
59	12.8	8.6	13.0

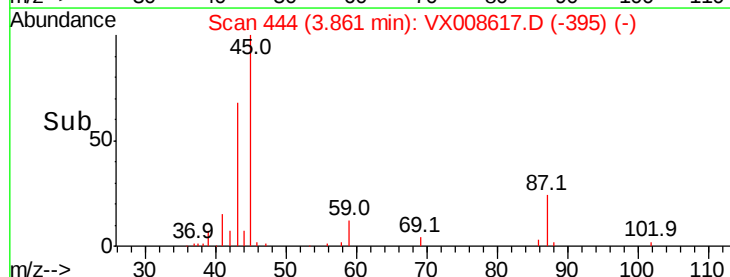
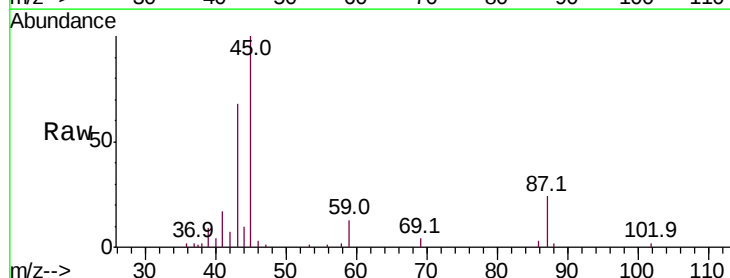
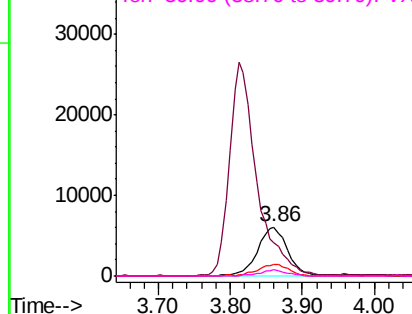
Abundance

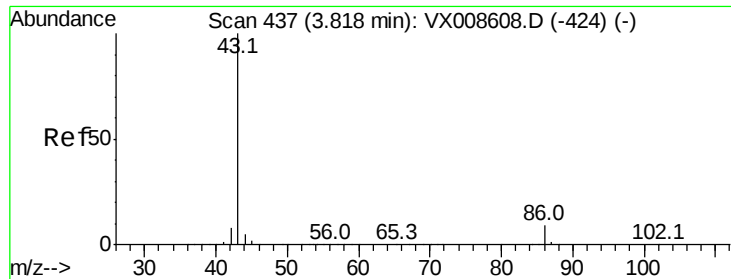
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 8.661 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 70751

Ion Ratio Lower Upper

43 100

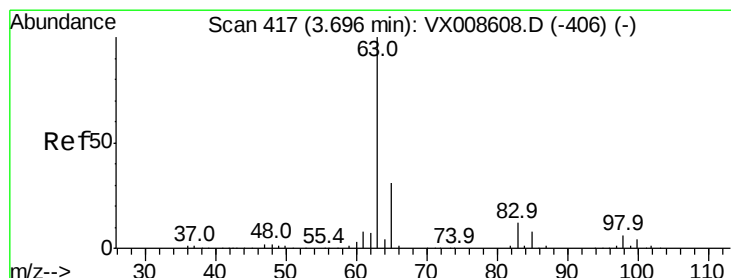
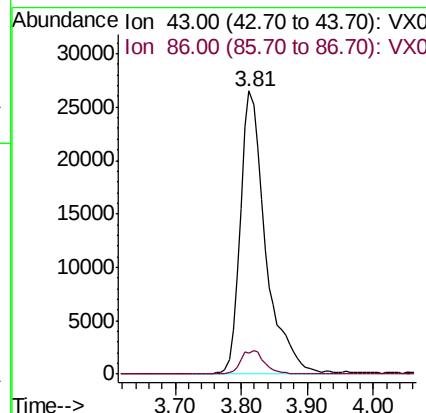
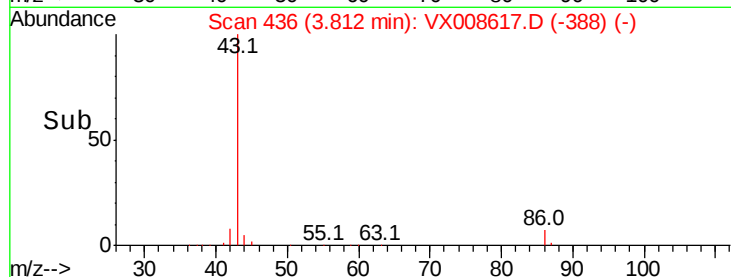
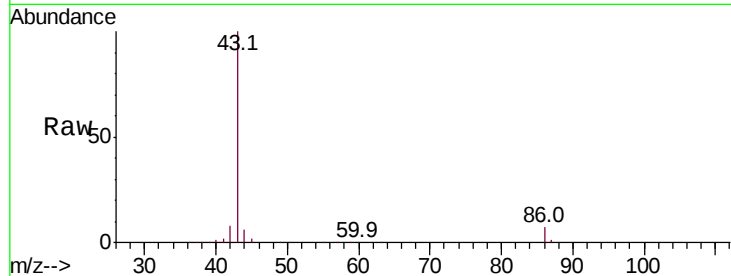
86 7.2 7.0 10.6

Manual Integrations

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4/4/2019 4:04:39 PM



#24

1,1-Dichloroethane

Concen: 1.912 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

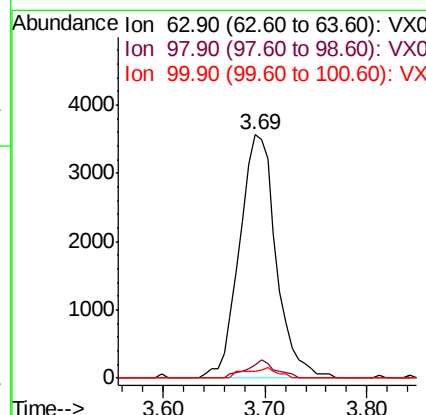
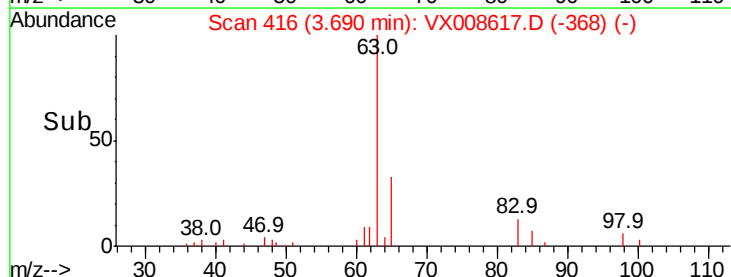
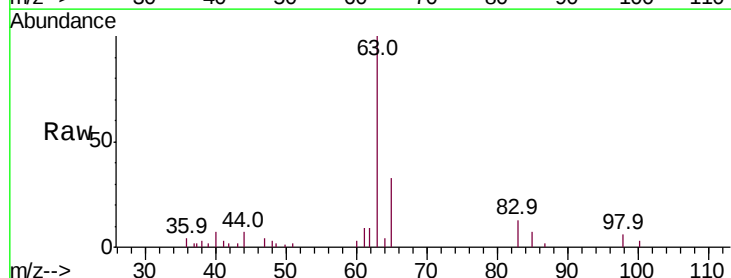
Tgt Ion: 63 Resp: 8889

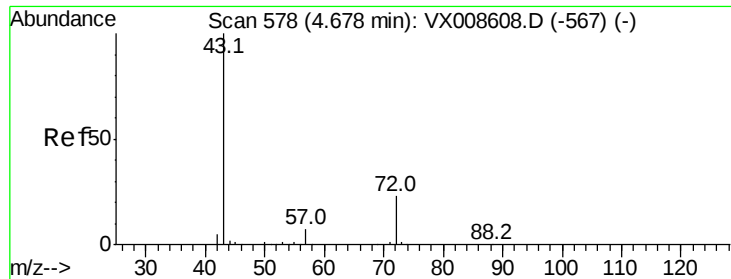
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 2.8 1.8 5.5





#25

2-Butanone

Concen: 9.038 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 22090

Ion Ratio Lower Upper

43 100

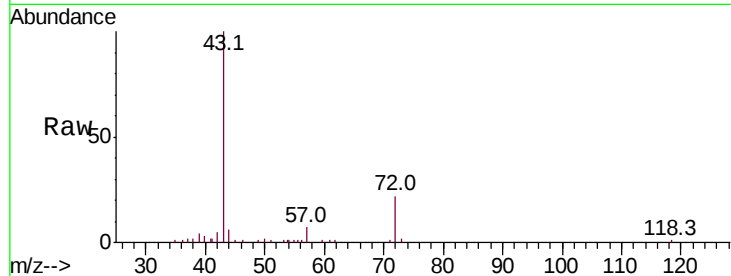
72 22.5 18.2 27.4

Manual Integrations

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MMDadoda

4/4/2019 4:04:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

8000

6000

4000

2000

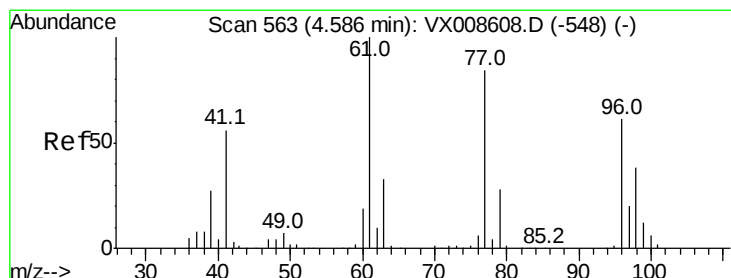
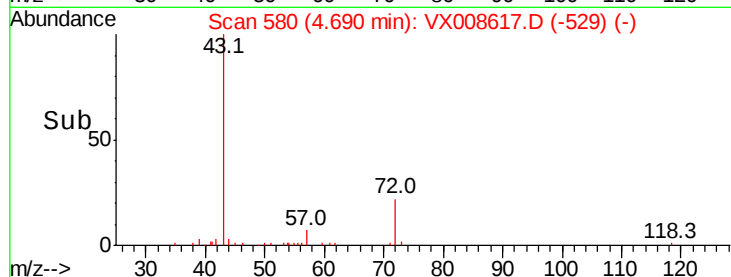
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 1.726 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX008617.D

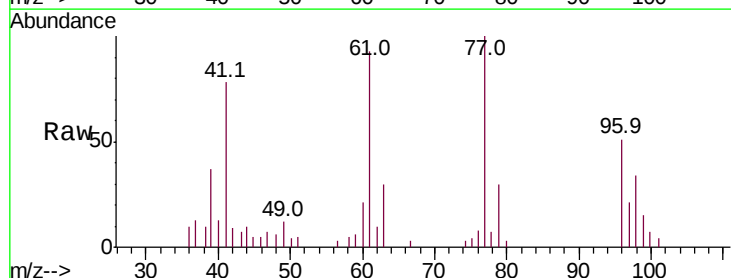
Acq: 03 Apr 2019 16:57

Tgt Ion: 77 Resp: 5652

Ion Ratio Lower Upper

77 100

97 25.5 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

2000

1500

1000

500

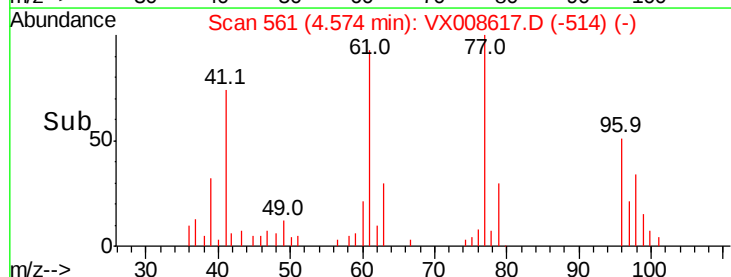
0

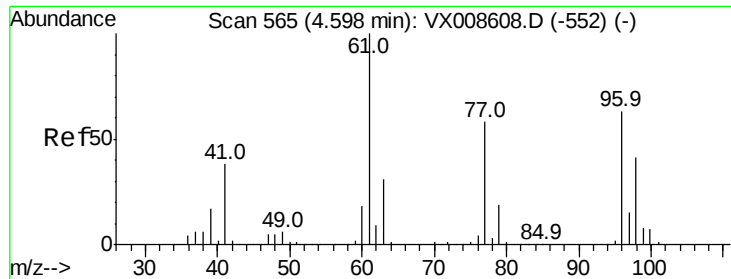
4.50

4.60

4.70

Time-->





#27

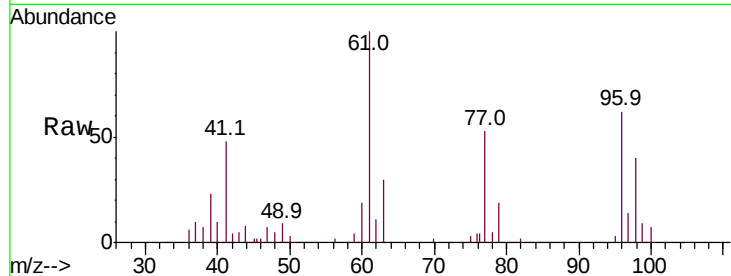
cis-1,2-Dichloroethene
Concen: 1.887 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

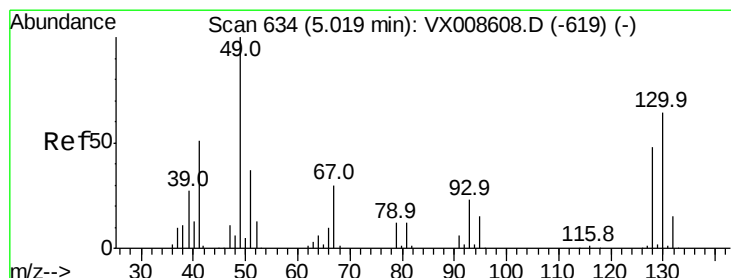
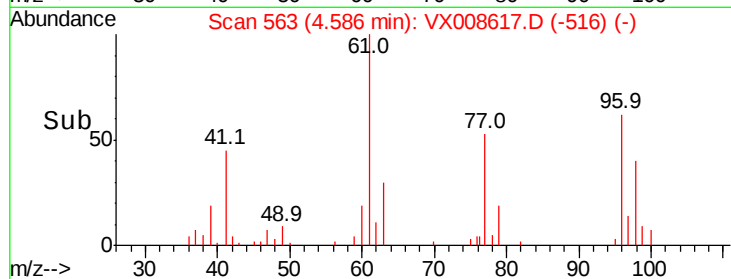
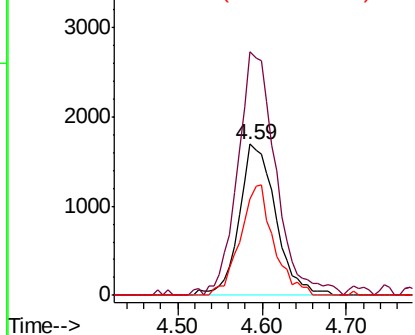
Tot Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	327.6
98	66.4	0.0	128.6

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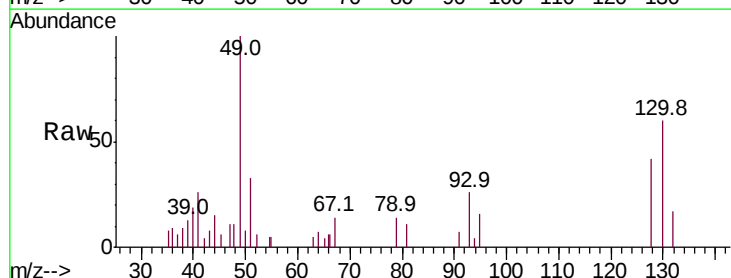
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



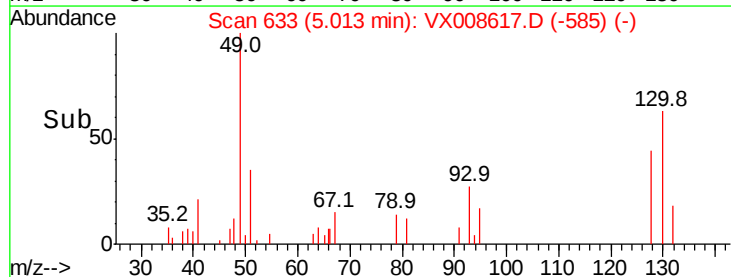
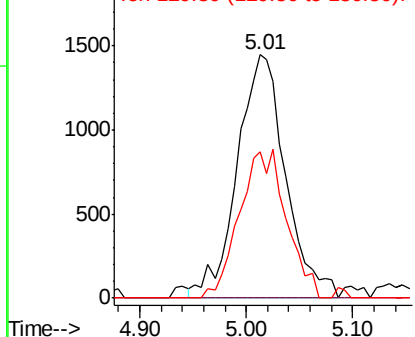
#28

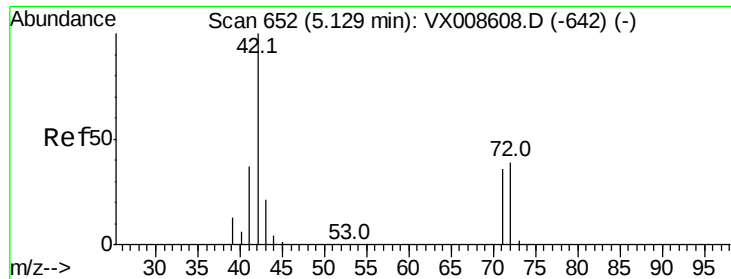
Bromochloromethane
Concen: 2.085 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	59.0	49.3	73.9



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 9.254 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

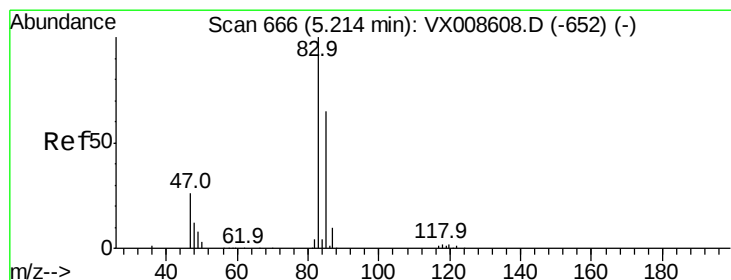
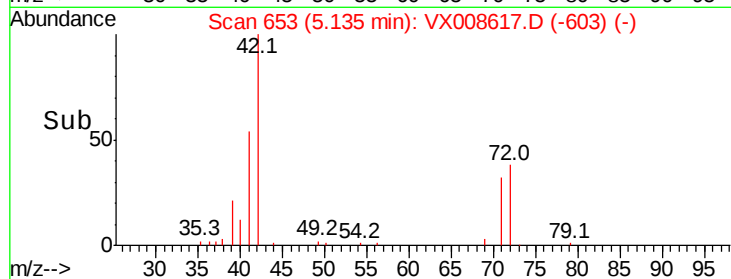
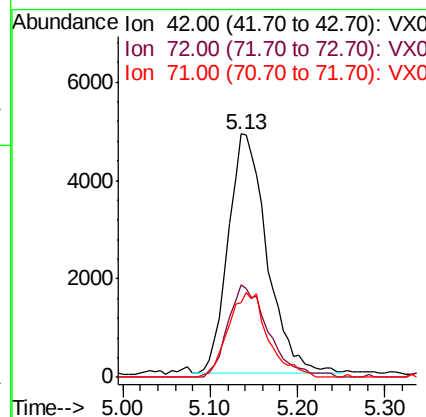
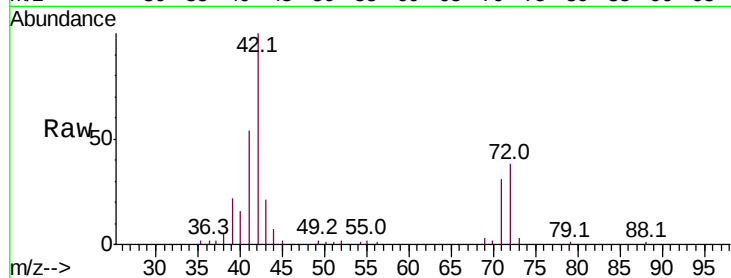
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	42	Resp:	15012
Ion	Ratio	Lower	Upper
42	100		
72	40.5	30.5	45.7
71	36.4	28.6	43.0

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#30

Chloroform

Concen: 1.840 ug/l

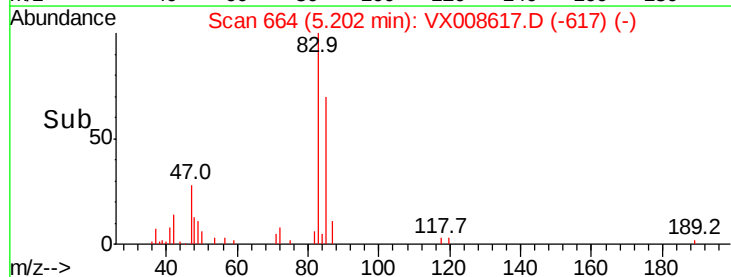
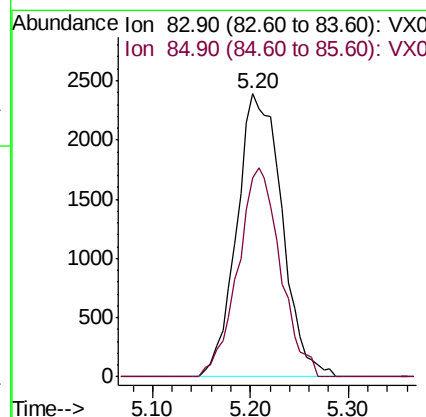
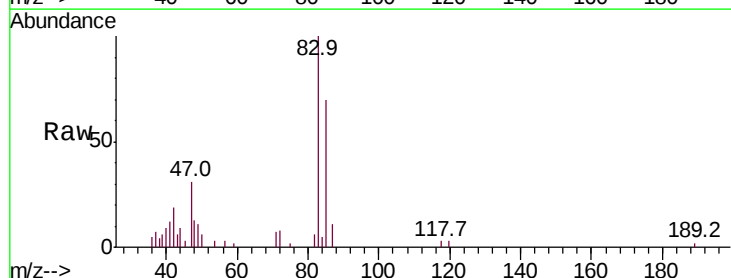
RT: 5.20 min Scan# 664

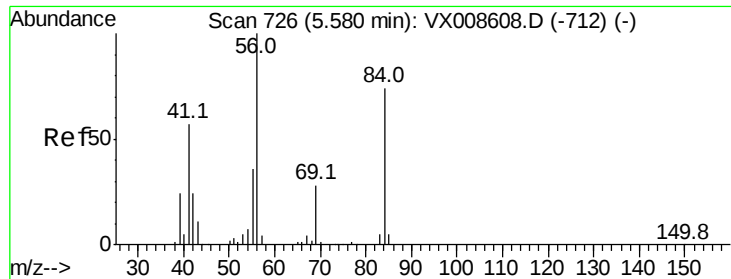
Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	83	Resp:	7641
Ion	Ratio	Lower	Upper
83	100		
85	70.3	52.1	78.1





#31

Cyclohexane

Concen: 1.811 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

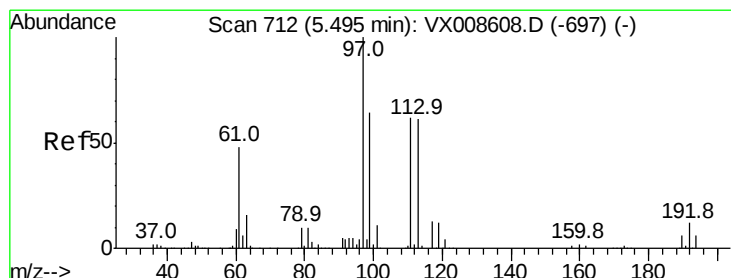
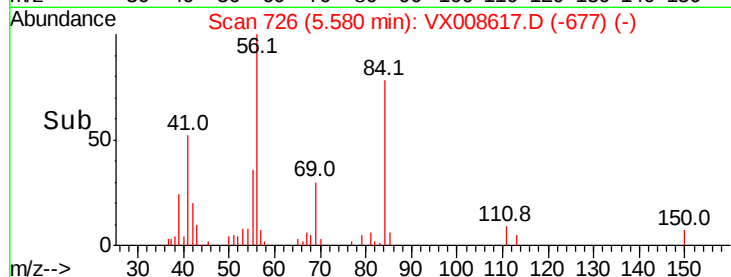
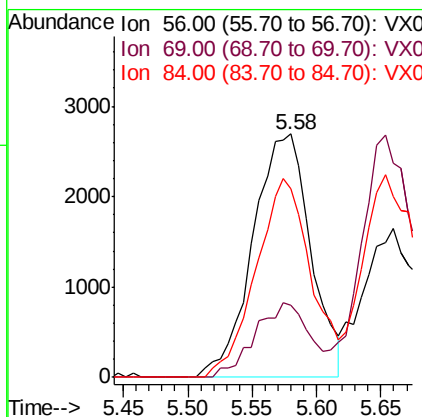
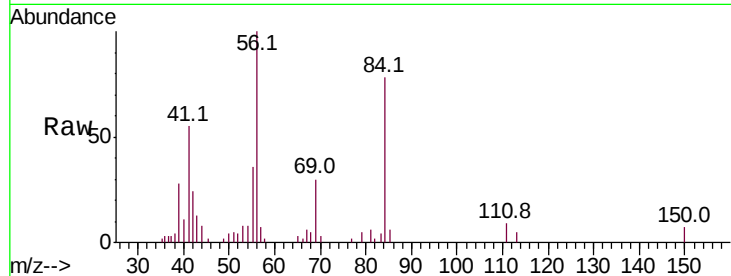
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	56	Resp:	8400
Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.6	33.8
84	77.7	59.3	88.9

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#32

1,1,1-Trichloroethane

Concen: 1.802 ug/l

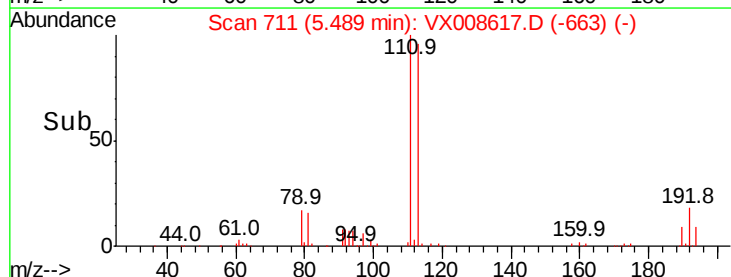
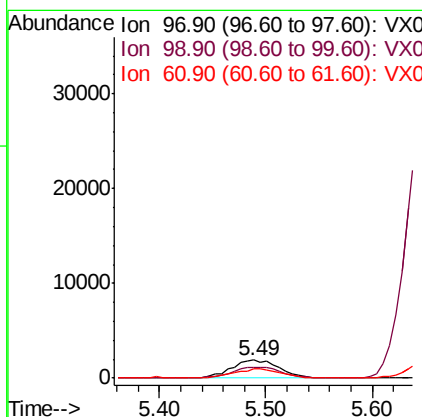
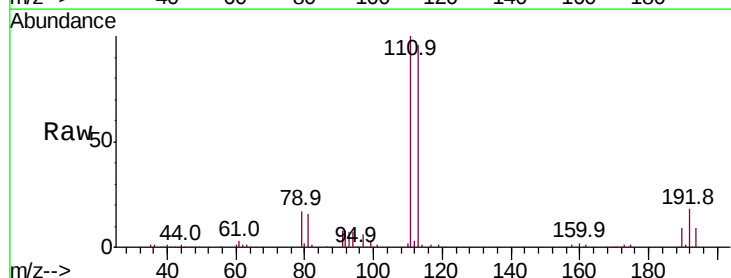
RT: 5.49 min Scan# 711

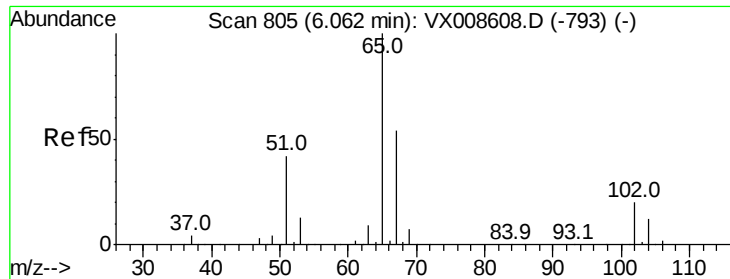
Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	97	Resp:	6047
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	51.3	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 49.180 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

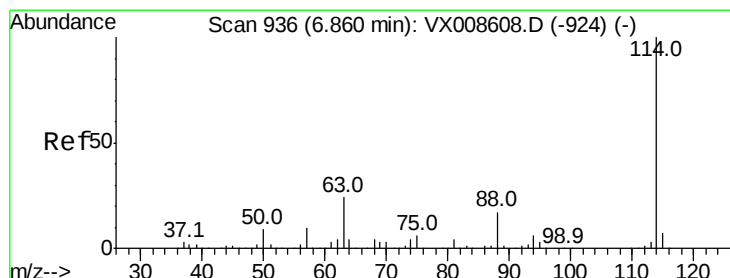
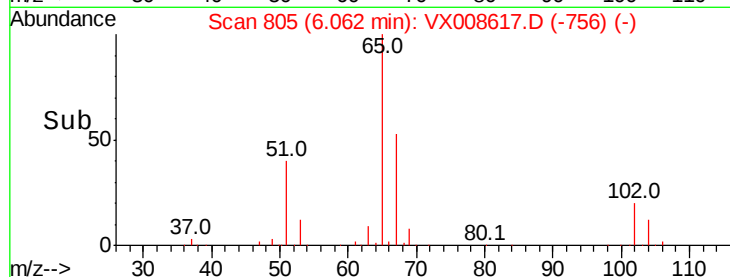
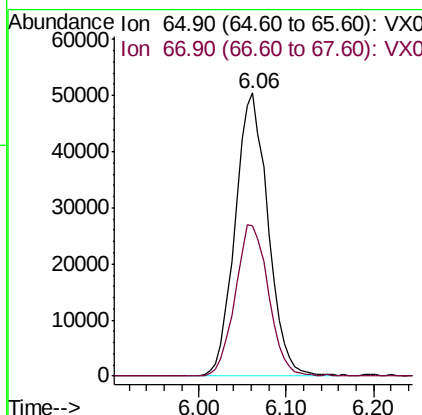
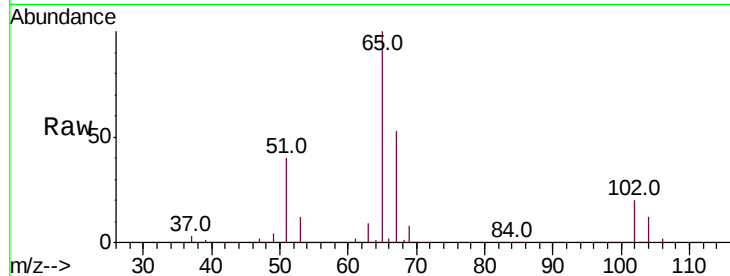
Instrument :
MSVOA_X

ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	107.2	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

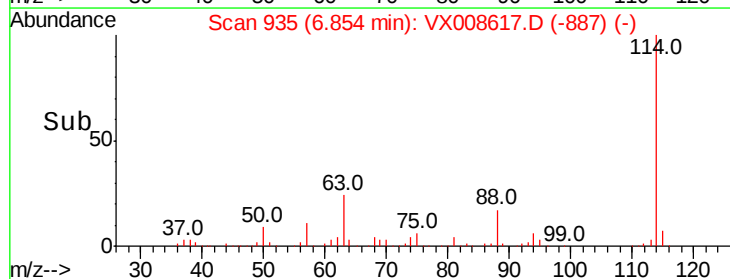
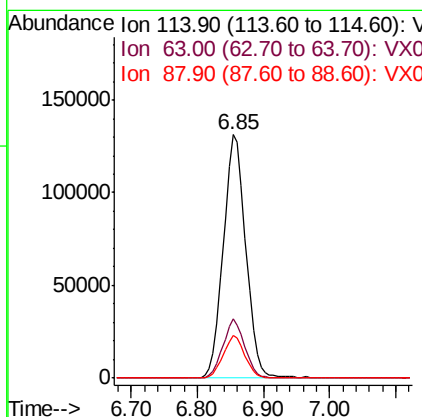
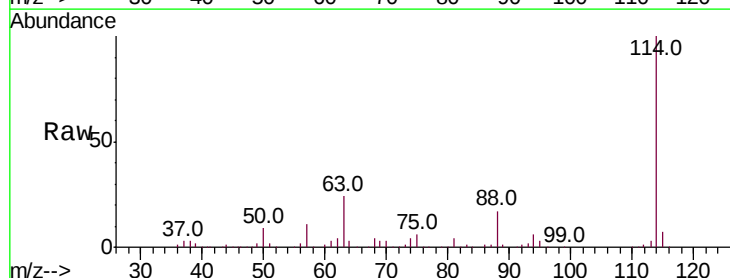
RT: 6.85 min Scan# 935

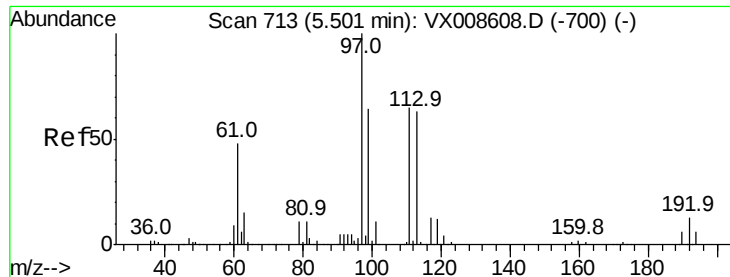
Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.2	0.0	47.2	
88	17.4	0.0	34.0	





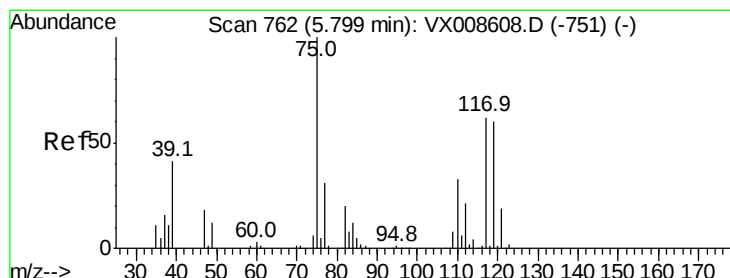
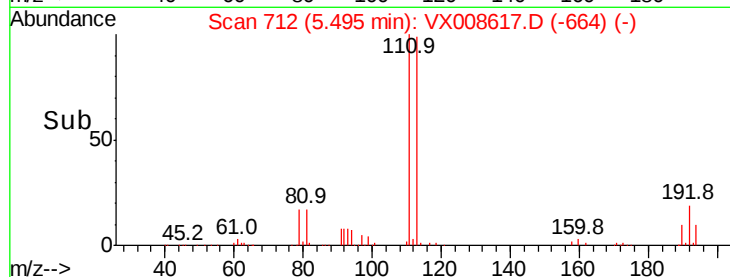
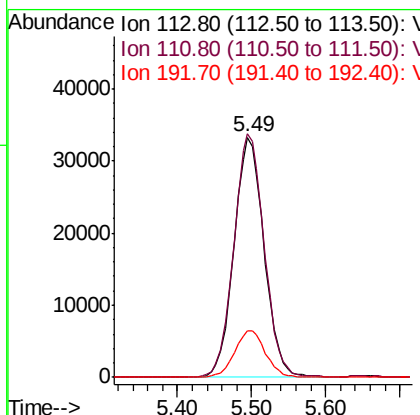
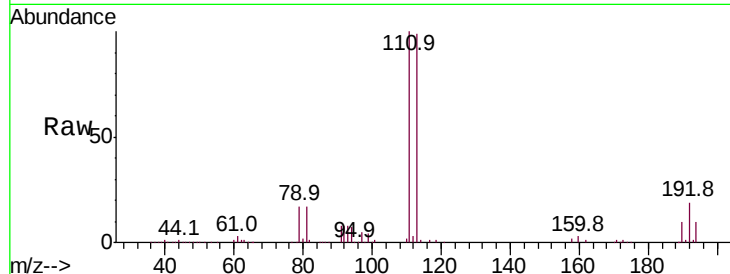
#35
 Dibromofluoromethane
 Concen: 47.502 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	20.0	16.1	24.1

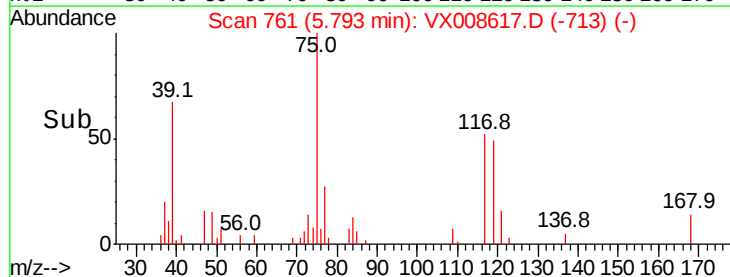
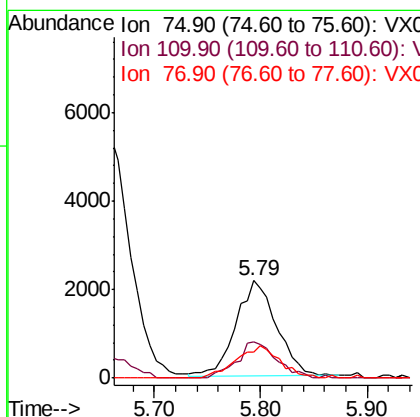
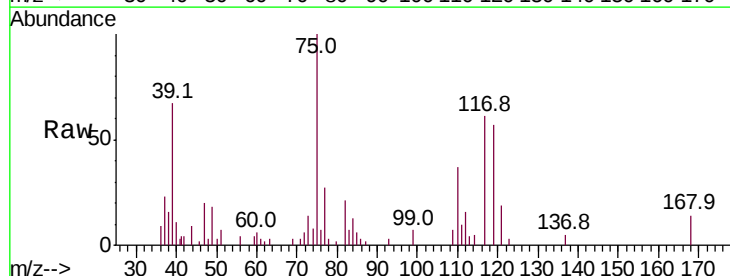
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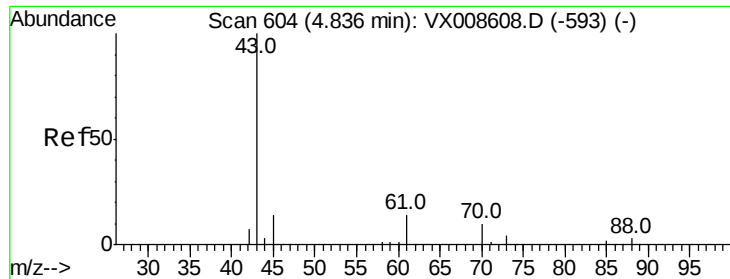
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 1.724 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	16.4	49.2
77	35.6	24.7	37.1





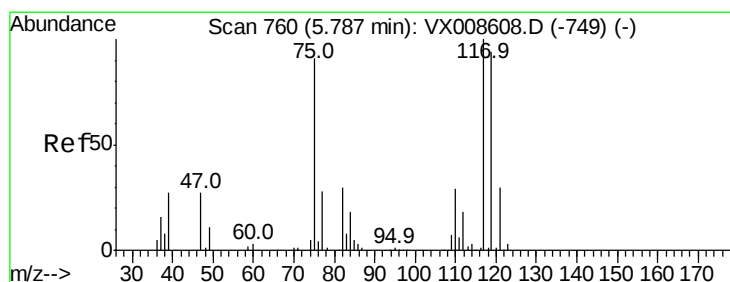
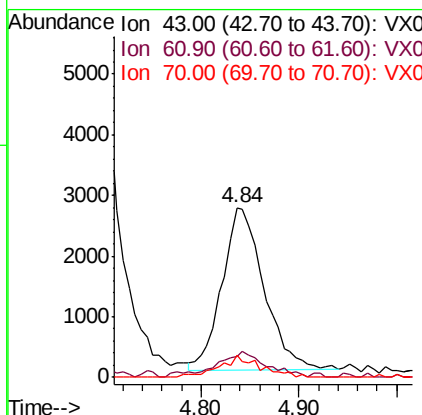
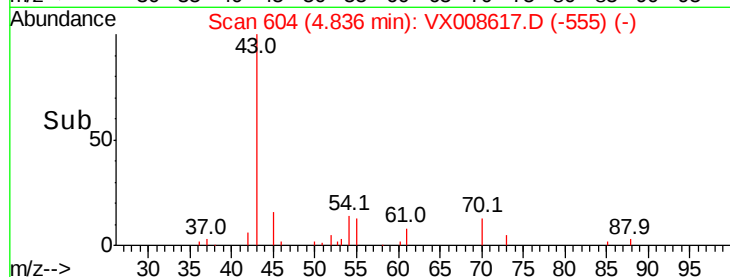
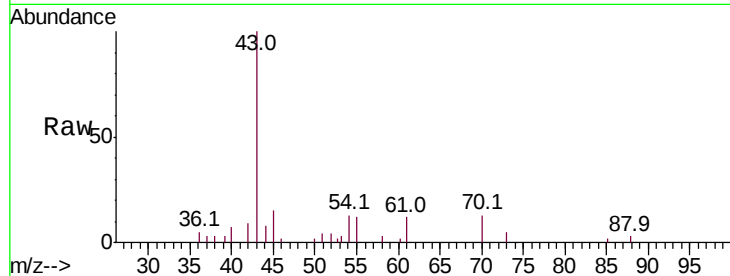
#37
Ethyl Acetate
Concen: 1.788 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	17.0	13.2
Lower		10.3	7.6
Upper		15.5#	11.4#

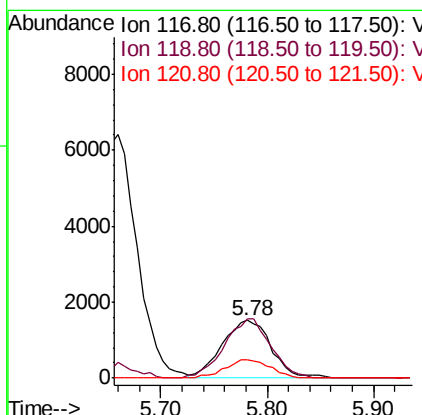
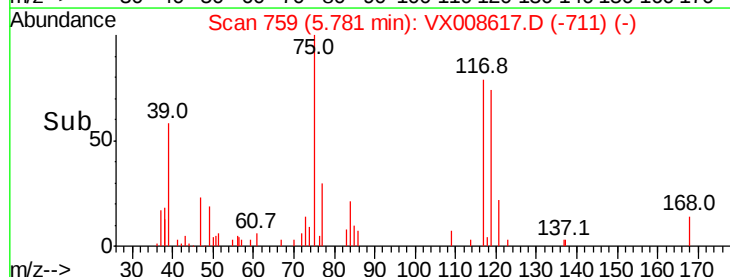
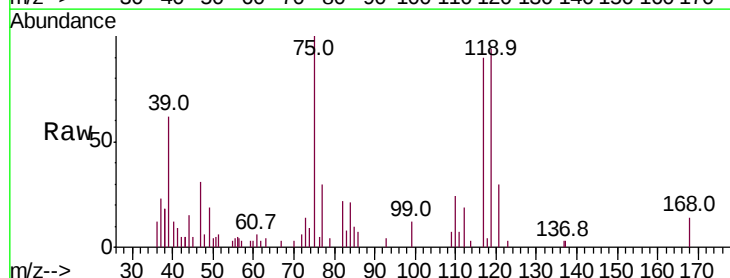
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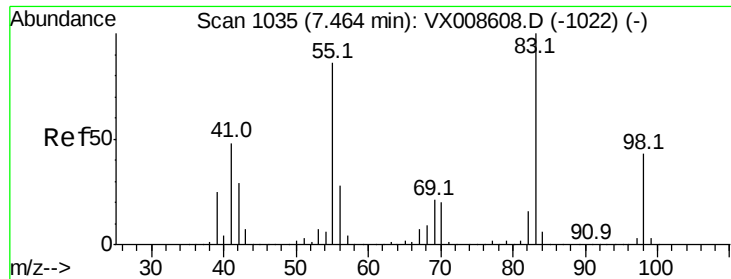
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#38
Carbon Tetrachloride
Concen: 1.744 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	104.0	32.8
Lower		75.0	24.3
Upper		112.6	36.5





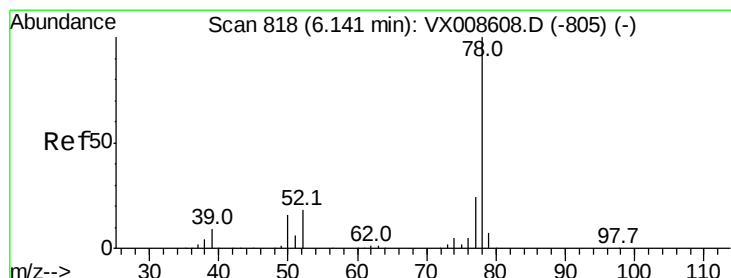
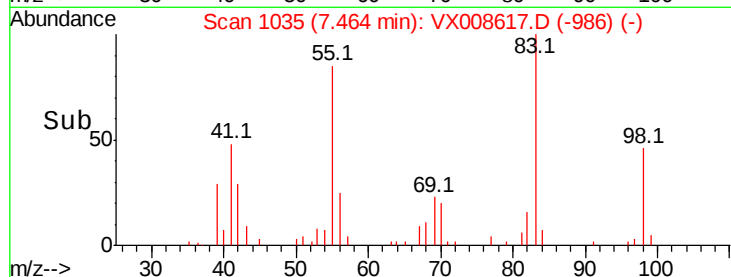
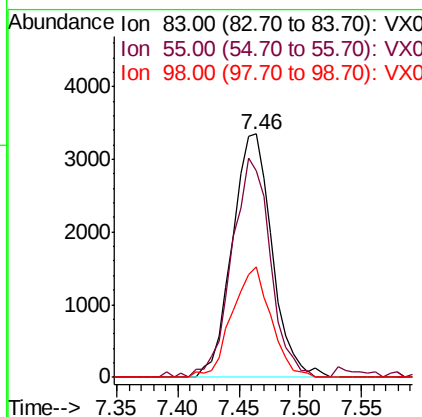
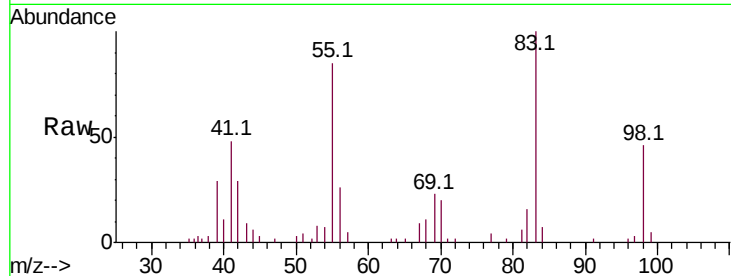
#39
Methvlcvclohexane
Concen: 1.808 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	69.0	103.6
98	45.5	34.4	51.6

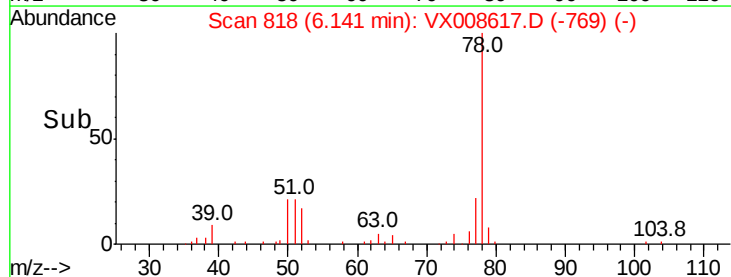
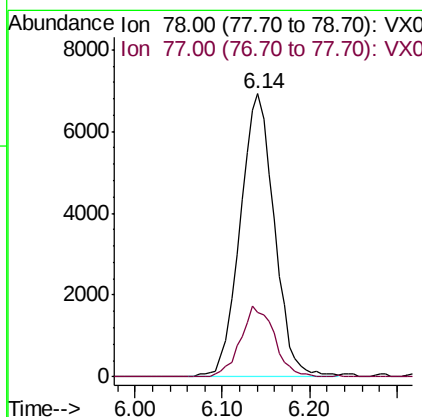
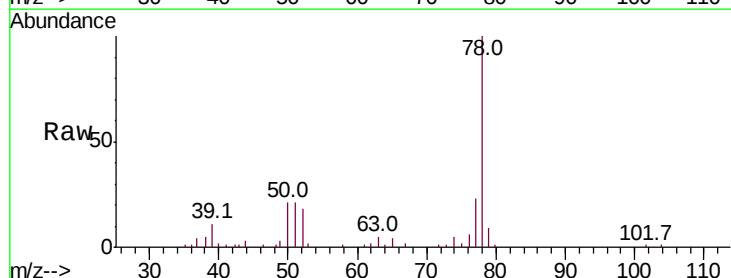
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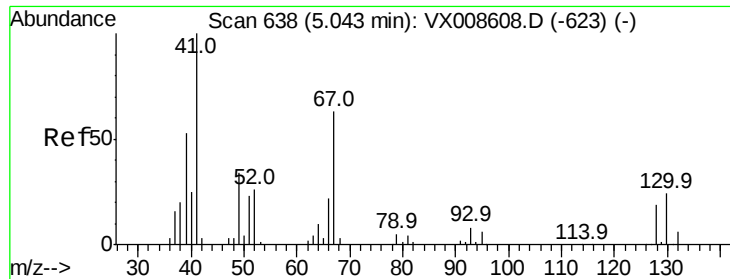
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#40
Benzene
Concen: 1.866 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





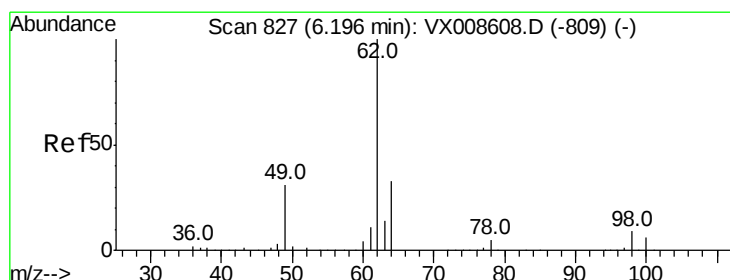
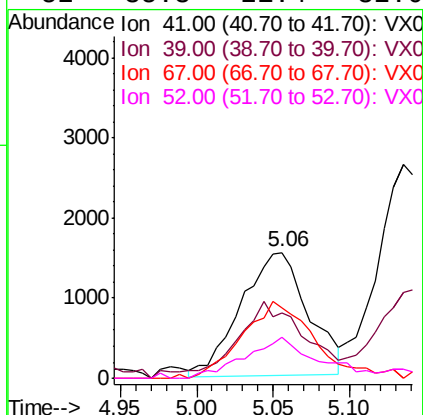
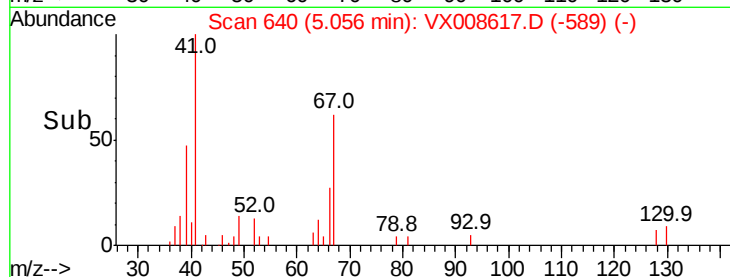
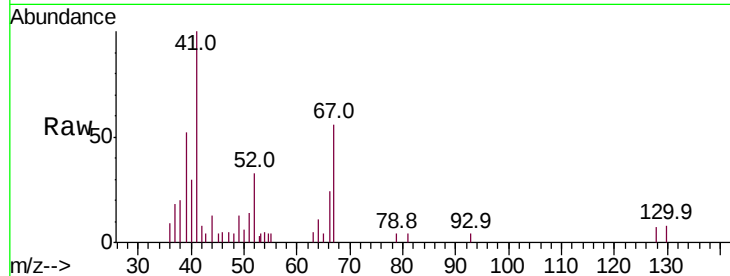
#41
Methacrylonitrile
Concen: 1.820 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	42.1	63.1
67	66.9	51.0	76.6
52	35.3	21.4	32.0

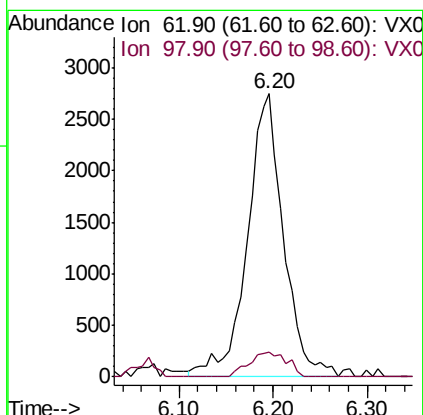
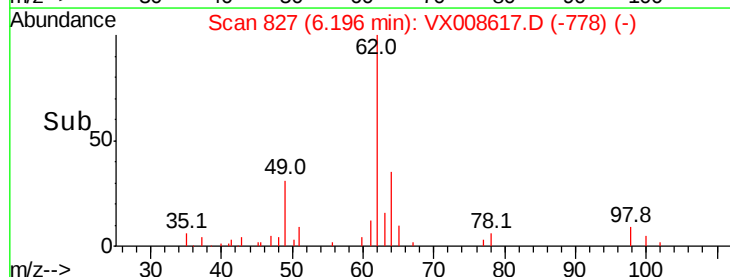
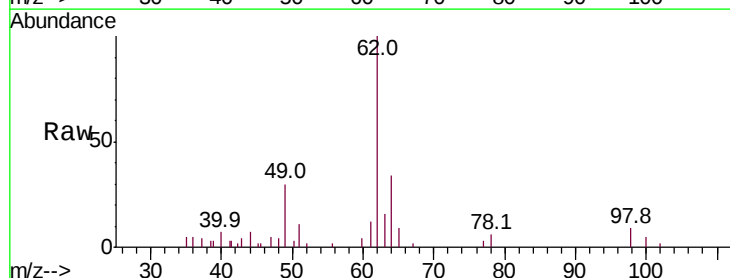
Manual Integrations
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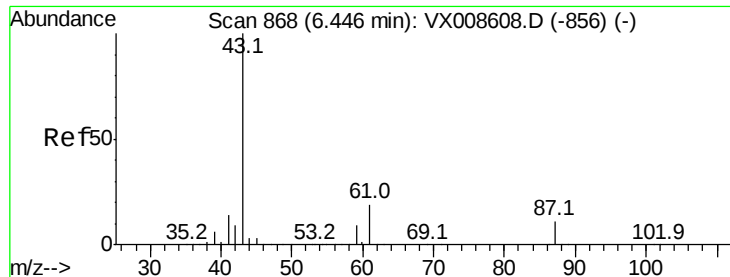
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#42
1,2-Dichloroethane
Concen: 2.045 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.0





#43

Isopropyl Acetate

Concen: 1.802 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

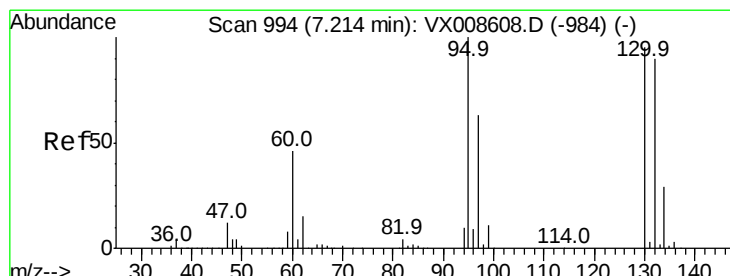
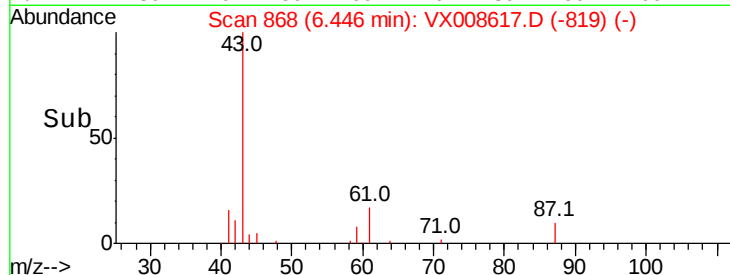
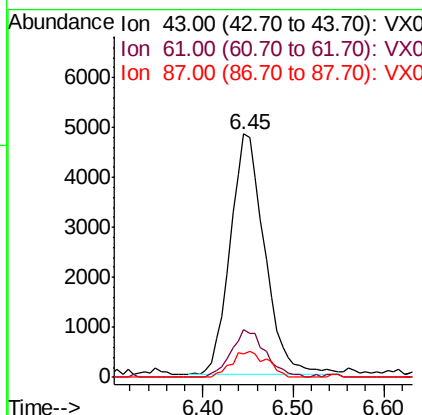
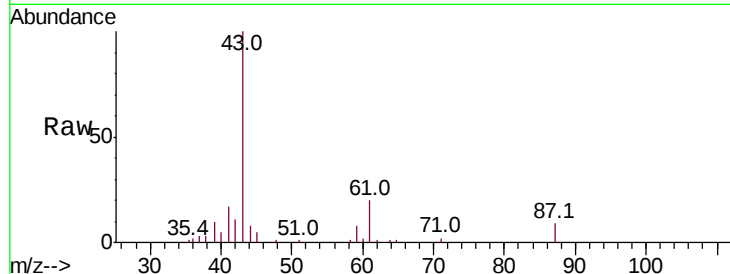
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	43	Resp:	12762
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.3	22.9
87	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
4/4/2019 4:04:39 PM



#44

Trichloroethene

Concen: 1.814 ug/l

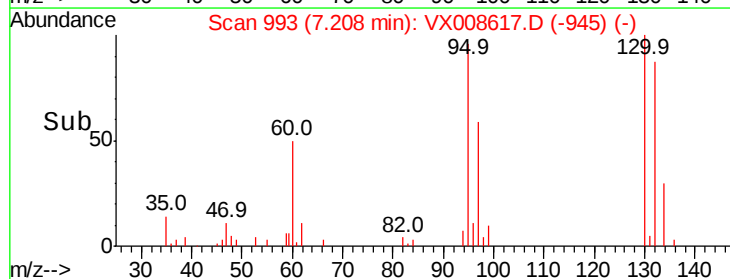
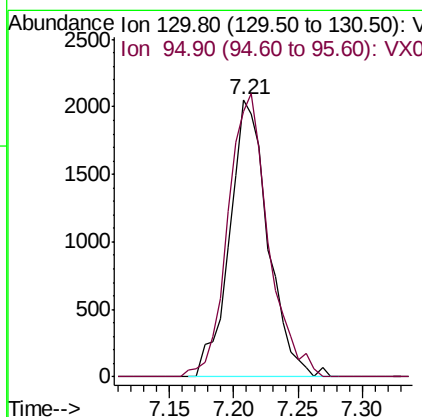
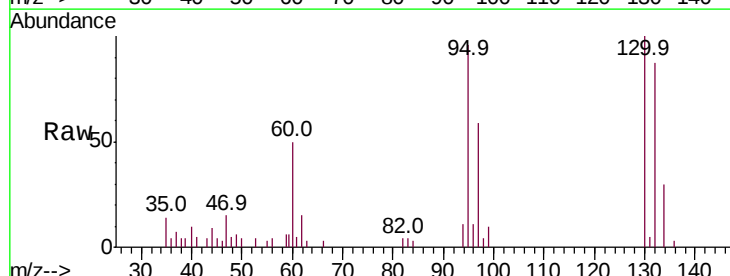
RT: 7.21 min Scan# 993

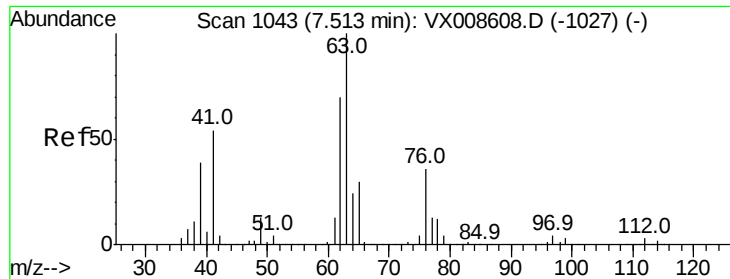
Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	130	Resp:	4263
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	209.8





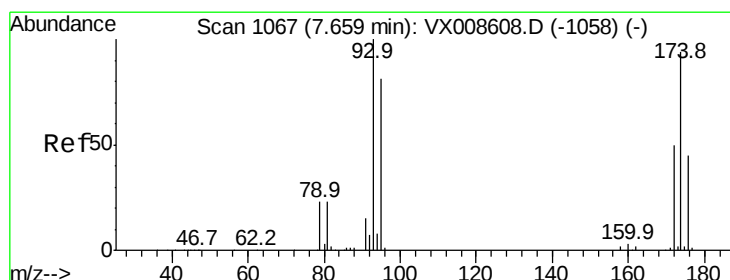
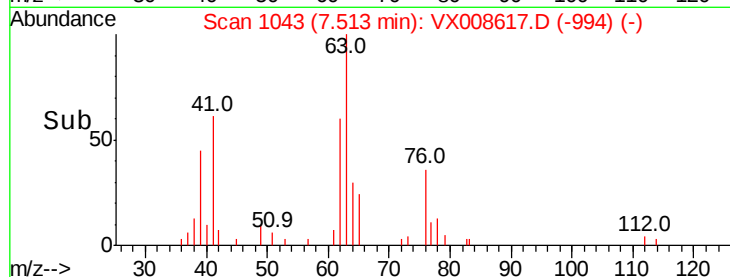
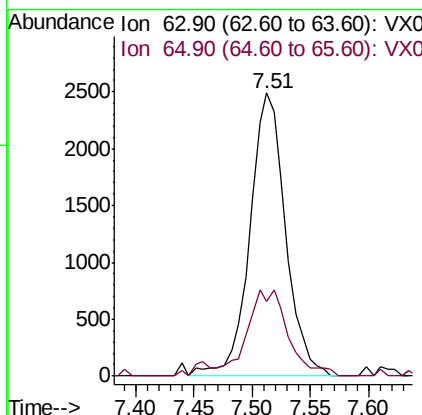
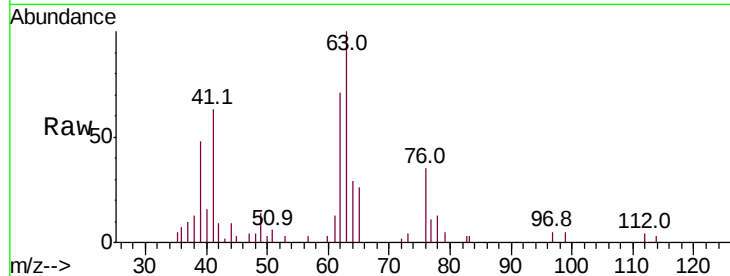
#45
 1,2-Dichloropropane
 Concen: 1.843 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.3	24.2	36.4

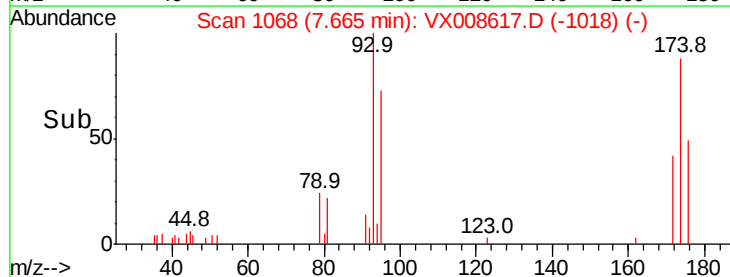
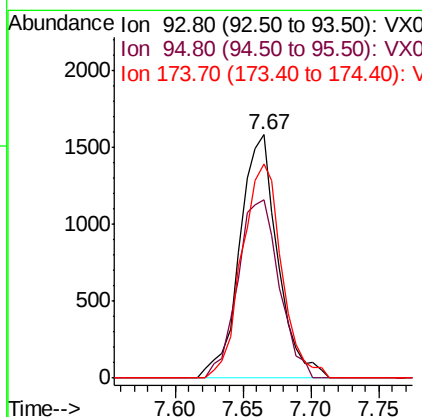
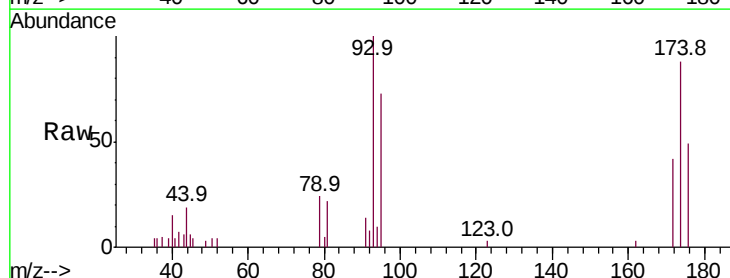
Manual Integrations
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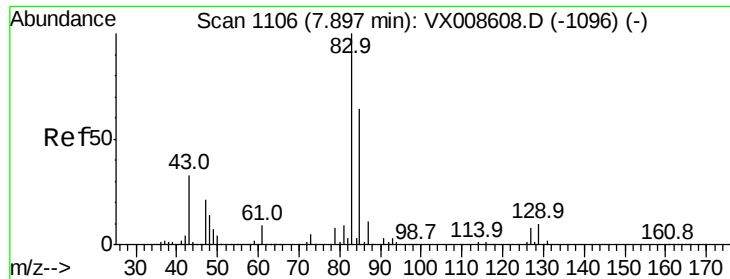
MMDadoda
 4/4/2019 4:04:39 PM



#46
 Dibromomethane
 Concen: 1.850 ug/l
 RT: 7.67 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.8	66.6	99.8
174	92.1	77.7	116.5





#47

Bromodichloromethane

Concen: 1.641 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008617.D

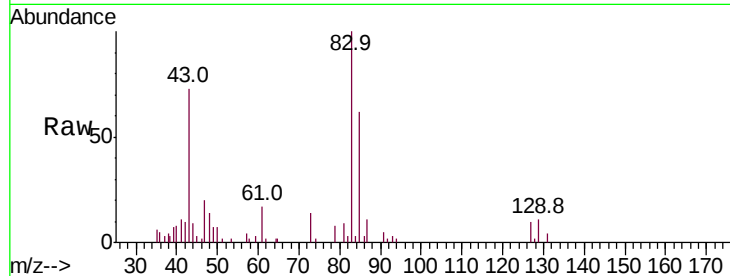
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

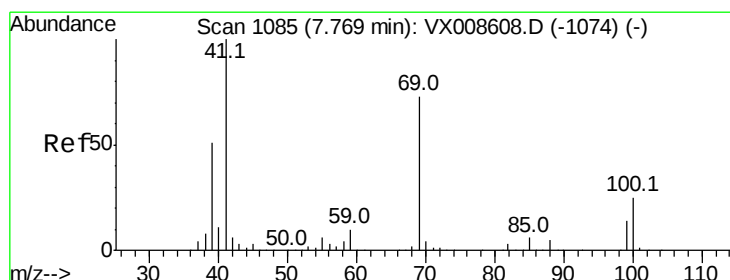
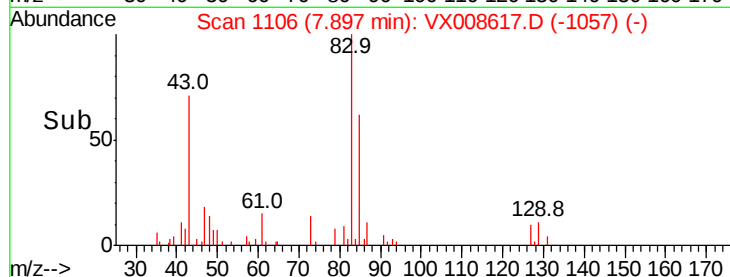
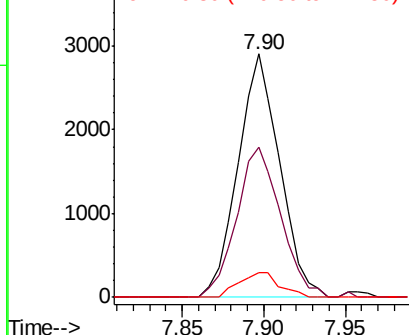
Tot Ion:	83	Resp:	5169
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.2	76.8
127	10.0	6.6	10.0#

Manual Integrations
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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

Methyl methacrylate

Concen: 1.862 ug/l

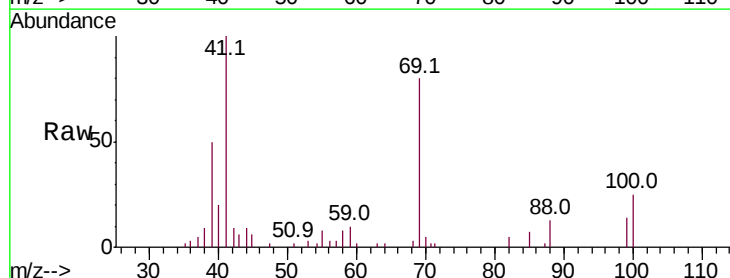
RT: 7.77 min Scan# 1086

Delta R.T. 0.01 min

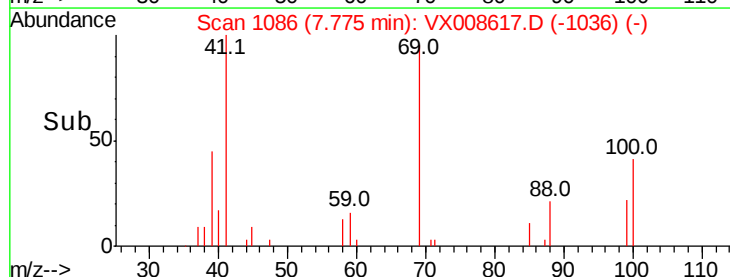
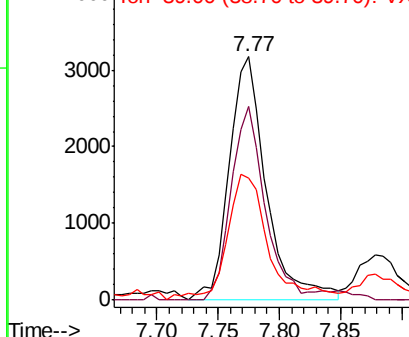
Lab File: VX008617.D

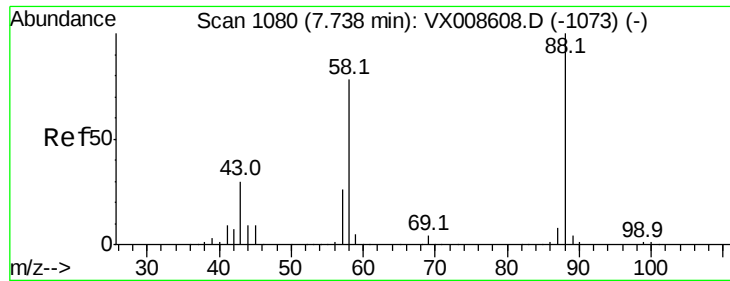
Acq: 03 Apr 2019 16:57

Tgt Ion:	41	Resp:	6670
Ion	Ratio	Lower	Upper
41	100		
69	72.4	59.0	88.4
39	57.6	41.0	61.4



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





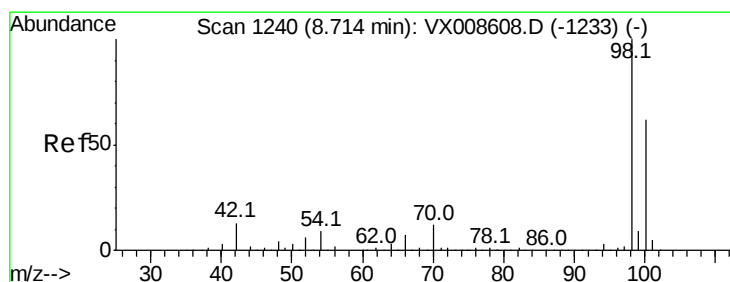
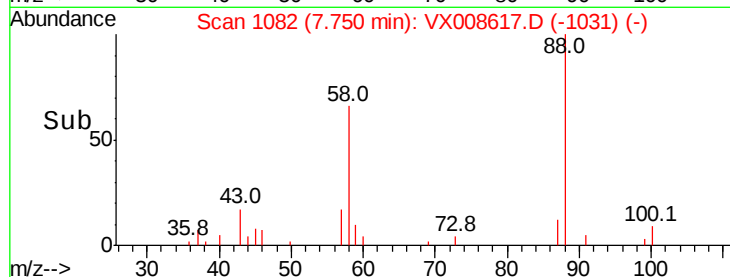
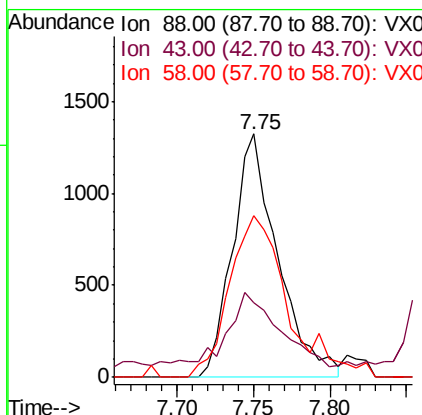
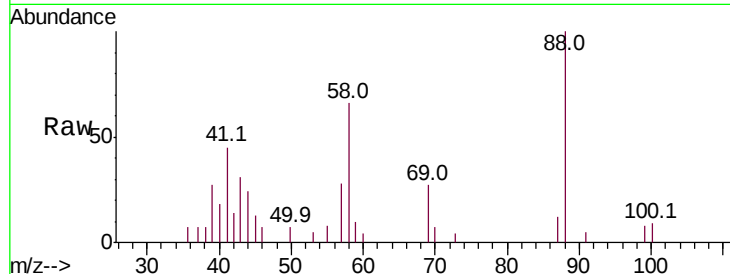
#49
1,4-Dioxane
Concen: 40.417 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.6	43.0
58	85.6	62.2	93.2

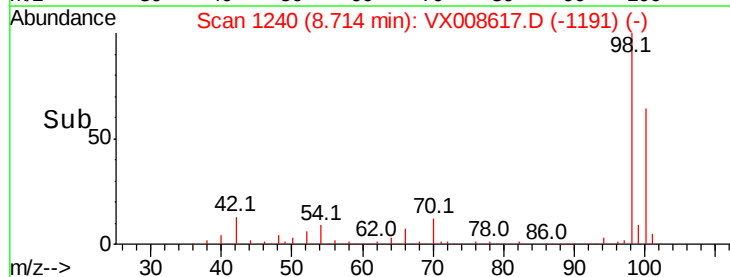
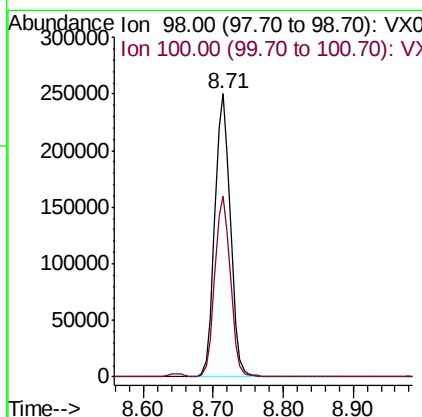
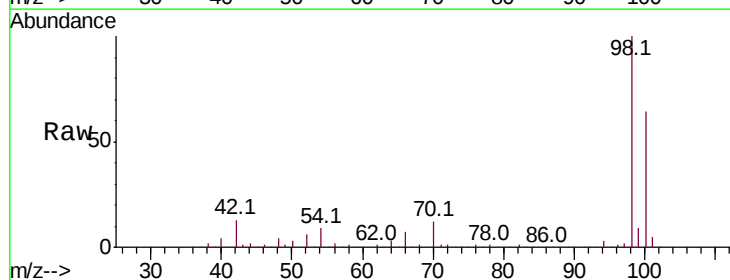
Manual Integrations
APPROVED

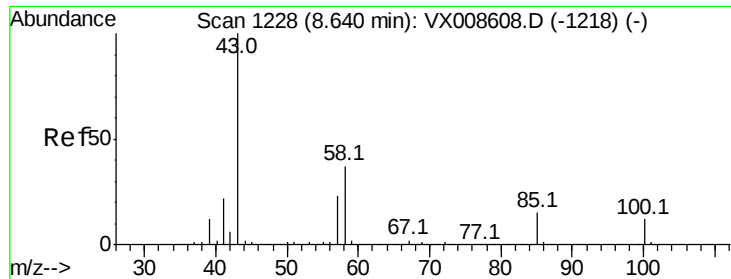
MMDadoda
4/4/2019 4:04:39 PM



#50
Toluene-d8
Concen: 49.307 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 9.139 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 41658

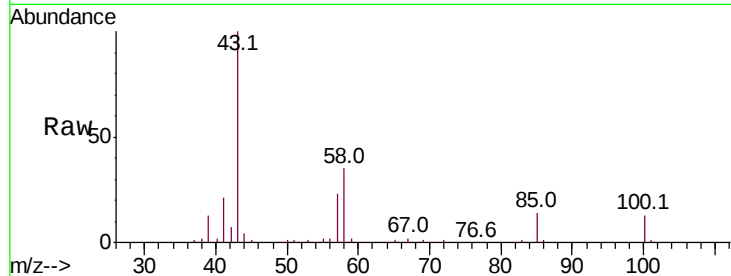
Ion Ratio Lower Upper

43 100

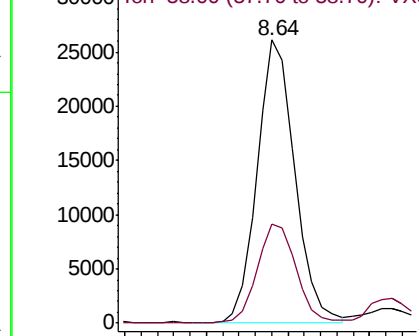
58 36.6 29.5 44.3

Manual Integrations
APPROVED

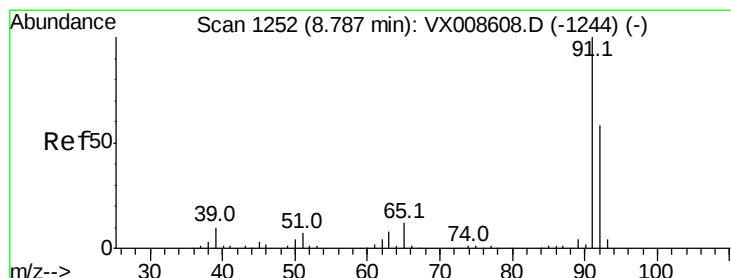
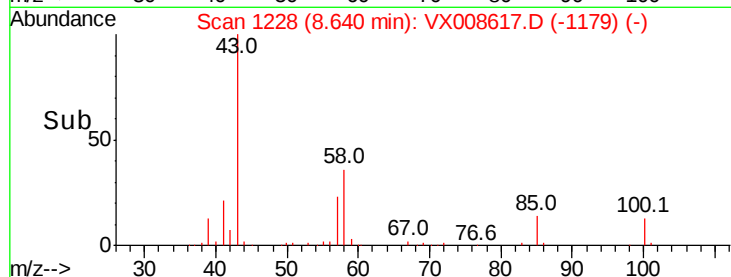
MMDadoda
4/4/2019 4:04:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 1.913 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008617.D

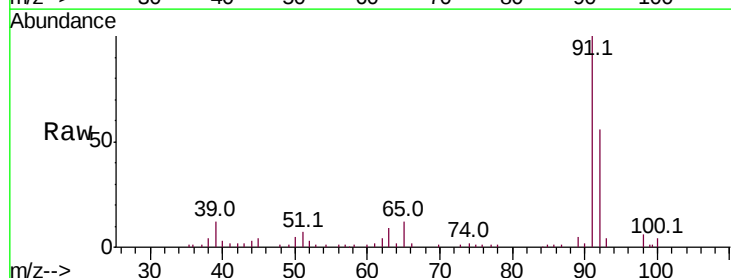
Acq: 03 Apr 2019 16:57

Tgt Ion: 92 Resp: 11380

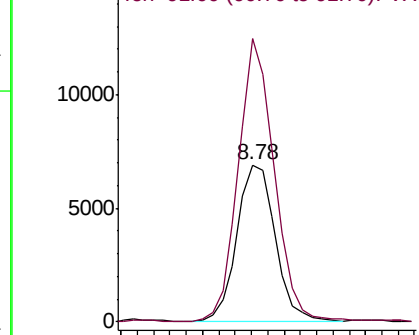
Ion Ratio Lower Upper

92 100

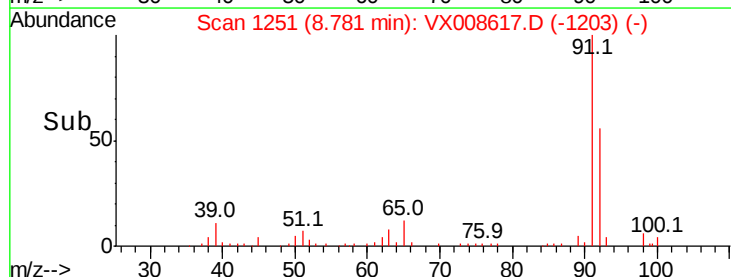
91 169.4 138.5 207.7

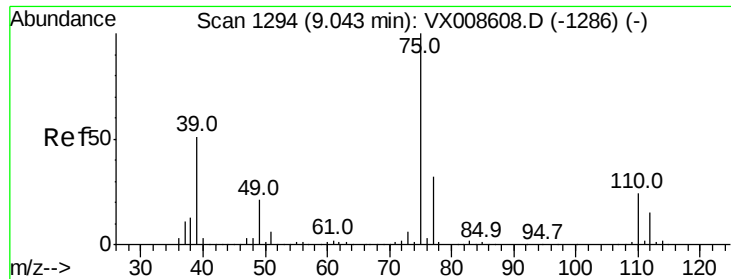


Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 1.585 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 75 Resp: 5591

Ion Ratio Lower Upper

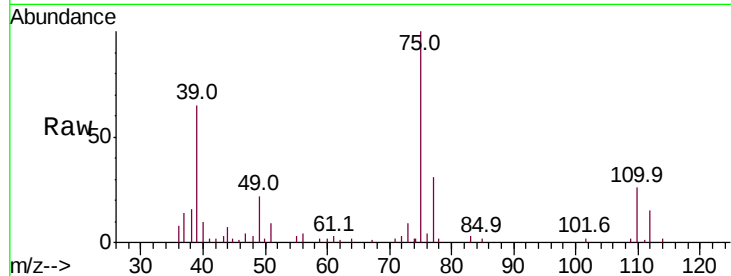
75 100

77 31.0 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

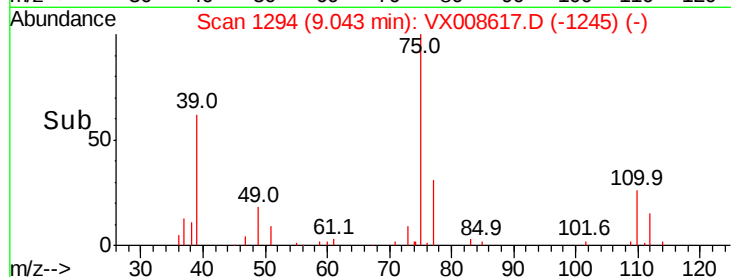
4/4/2019 4:04:39 PM



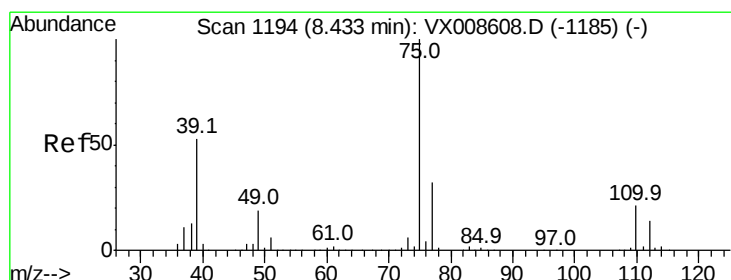
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04



Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.588 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

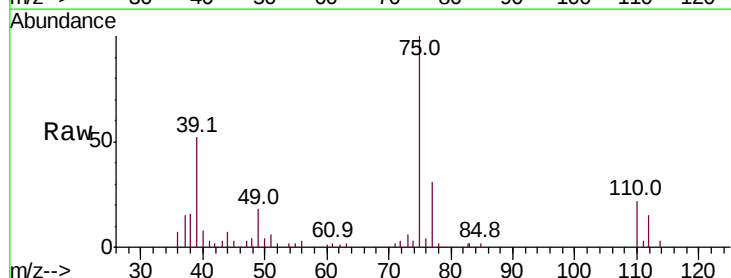
Tgt Ion: 75 Resp: 6399

Ion Ratio Lower Upper

75 100

77 30.6 25.3 37.9

39 49.7 42.6 63.8

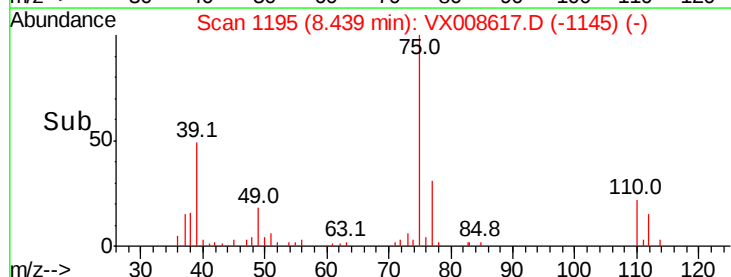


Abundance Ion 74.90 (74.60 to 75.60): VX0

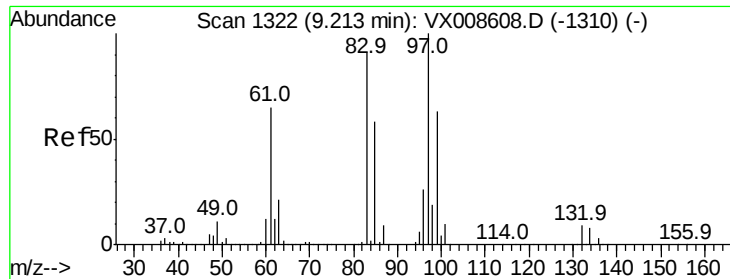
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44



Time-->



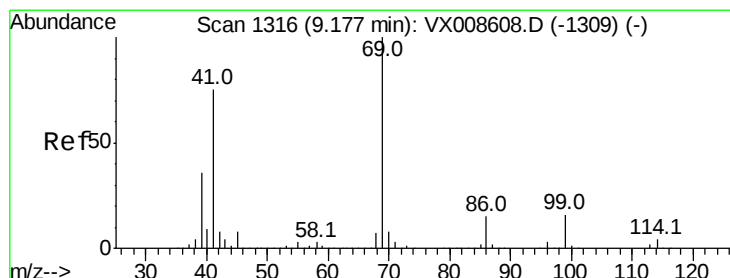
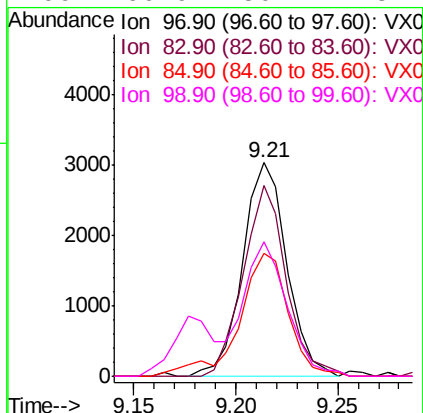
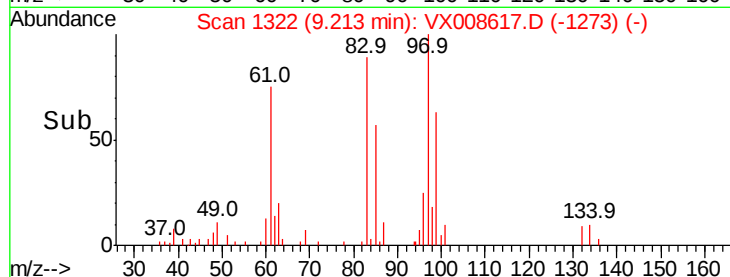
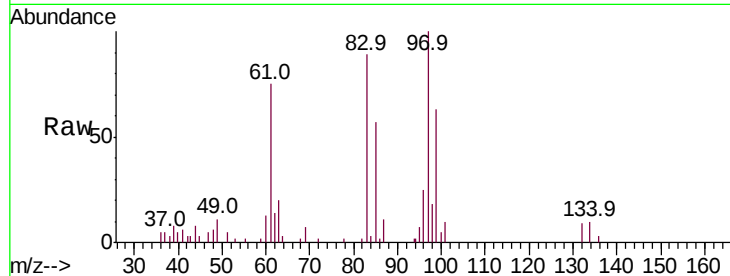
#55
 1,1,2-Trichloroethane
 Concen: 1.915 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:	97	Resp:	4572
Ion	Ratio	Lower	Upper
97	100		
83	89.3	73.2	109.8
85	55.6	46.6	69.8
99	60.9	50.1	75.1

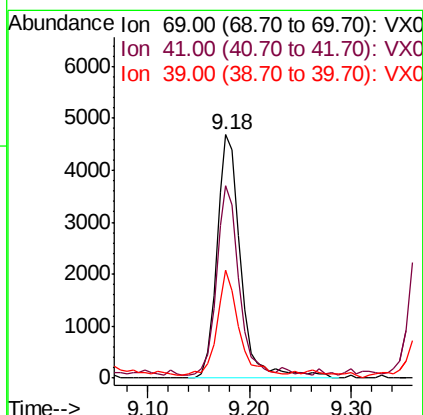
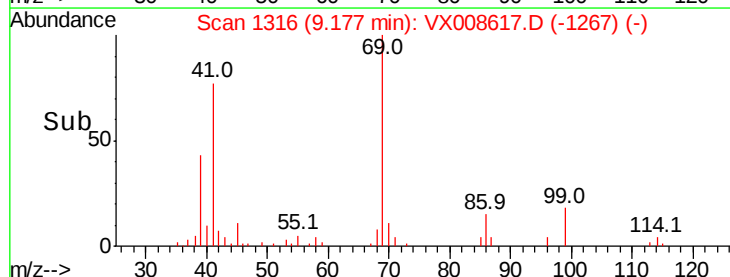
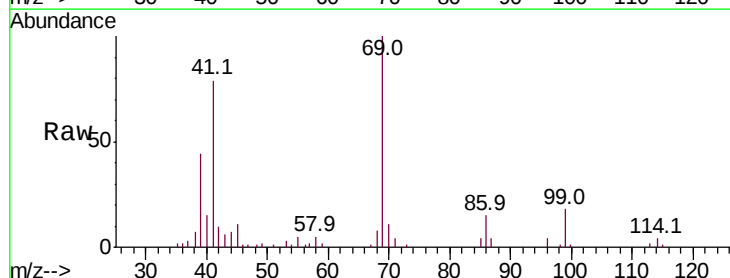
Manual Integrations
 APPROVED

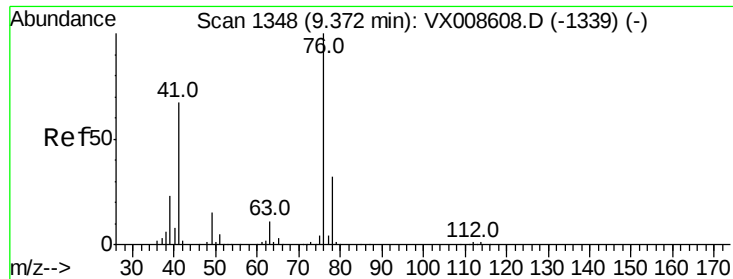
MMDadoda
 4/4/2019 4:04:39 PM



#56
 Ethyl methacrylate
 Concen: 1.776 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion:	69	Resp:	7673
Ion	Ratio	Lower	Upper
69	100		
41	71.9	60.1	90.1
39	38.1	28.9	43.3





#57

1,3-Dichloropropane

Concen: 1.898 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 76 Resp: 8138

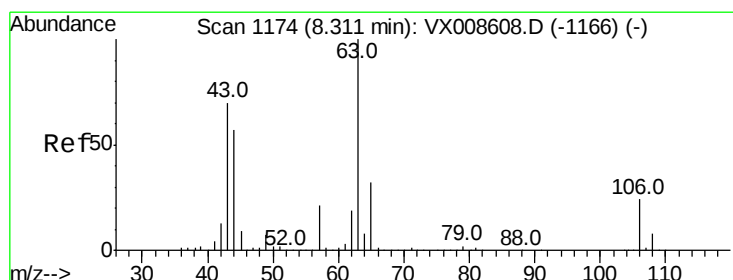
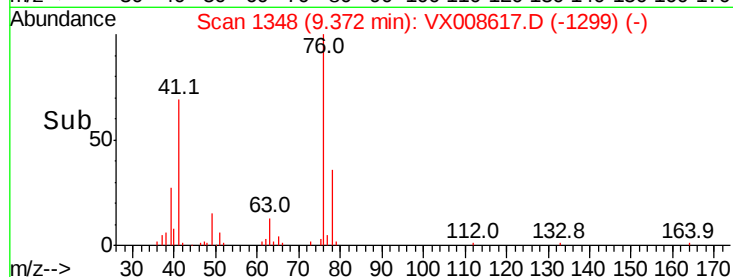
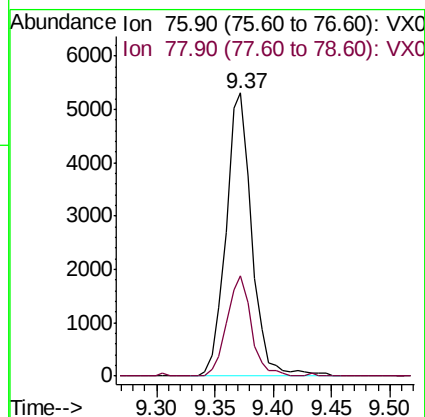
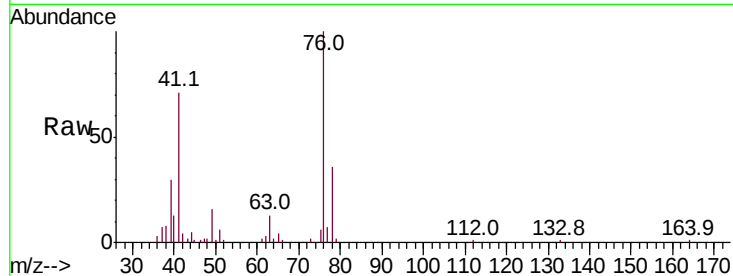
Ion Ratio Lower Upper

76 100

78 33.6 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
4/4/2019 4:04:39 PM



#58

2-Chloroethyl Vinyl ether

Concen: 9.371 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008617.D

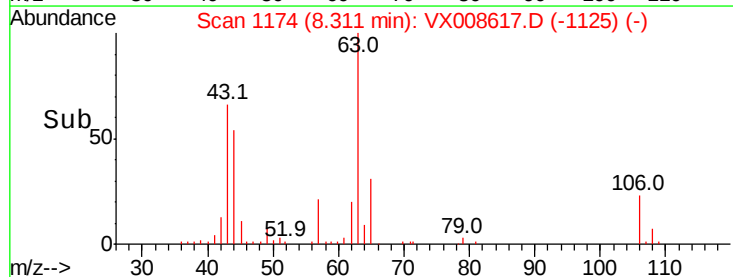
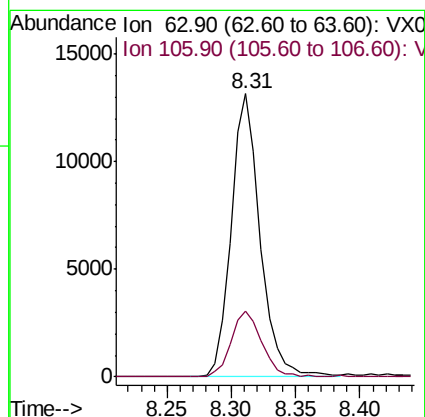
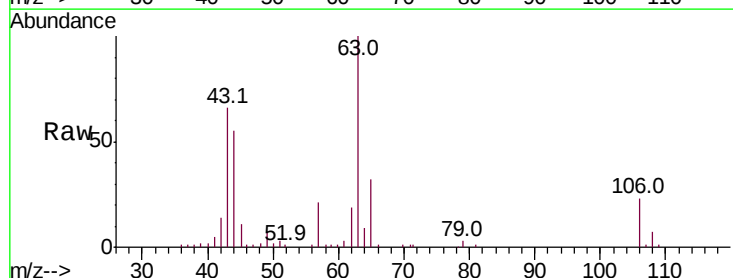
Acq: 03 Apr 2019 16:57

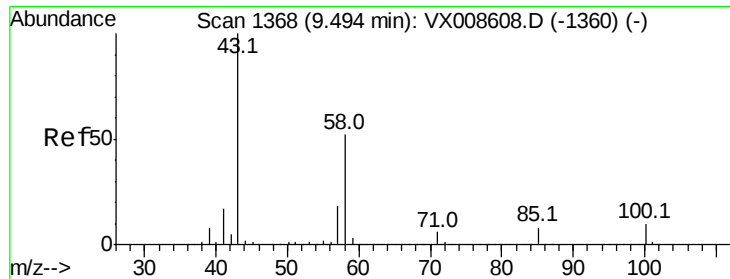
Tgt Ion: 63 Resp: 20670

Ion Ratio Lower Upper

63 100

106 24.4 19.0 28.6





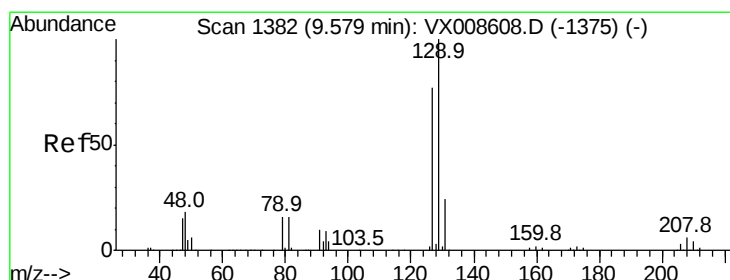
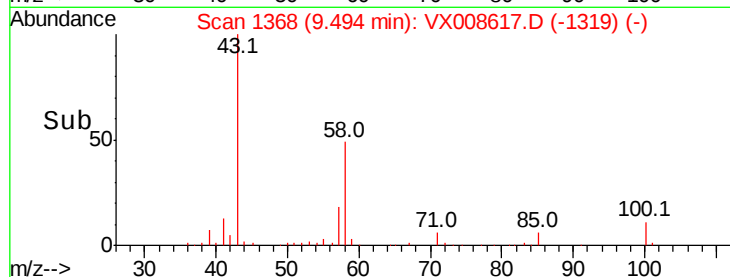
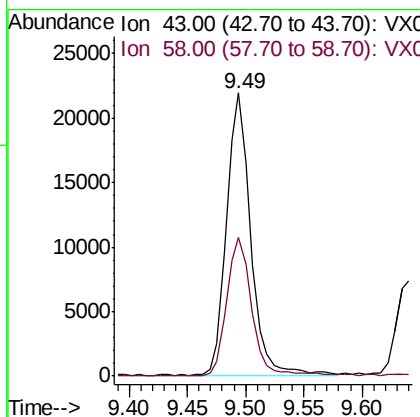
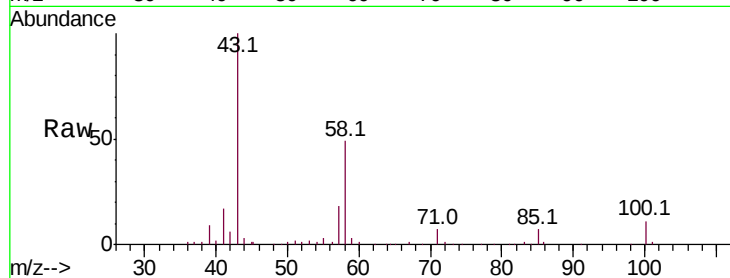
#59
2-Hexanone
Concen: 8.875 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 43 Resp: 31440
Ion Ratio Lower Upper
43 100
58 51.2 25.9 77.7

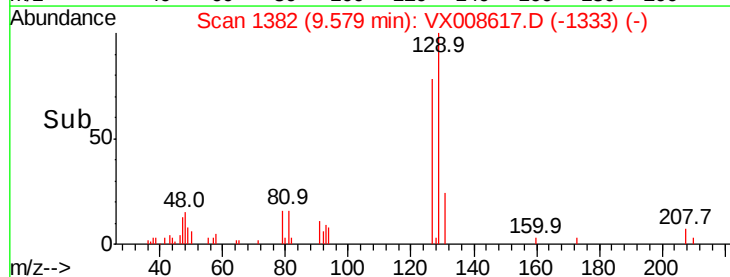
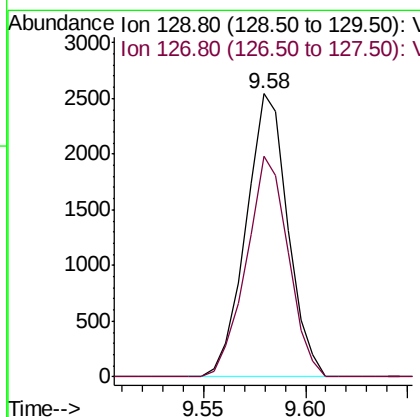
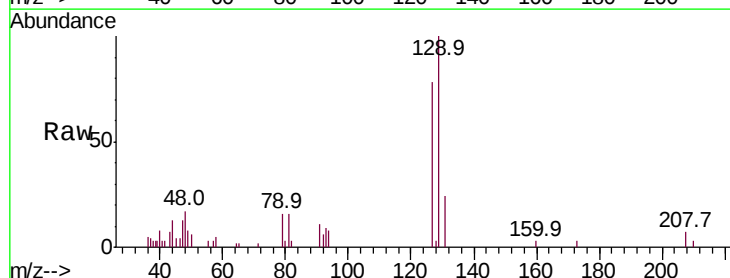
Manual Integrations
APPROVED

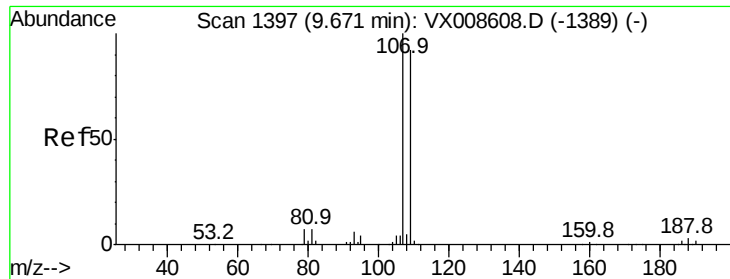
MMDadoda
4/4/2019 4:04:39 PM



#60
Dibromochloromethane
Concen: 1.614 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion: 129 Resp: 3632
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 1.684 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:107 Resp: 4186

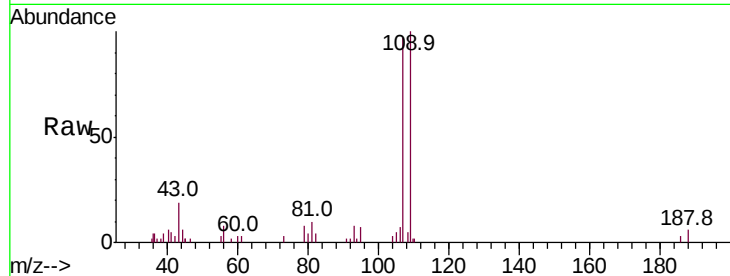
Ion Ratio Lower Upper

107 100

109 102.1 74.1 111.1

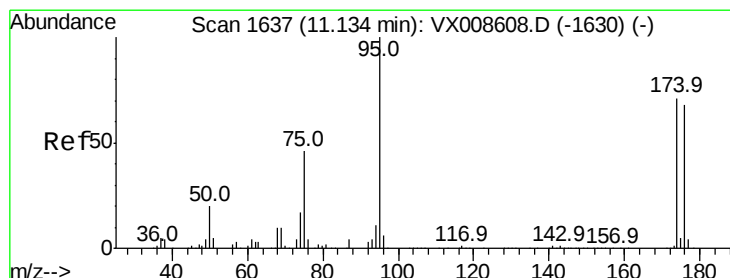
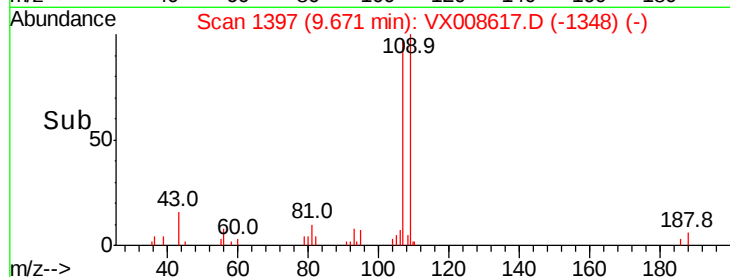
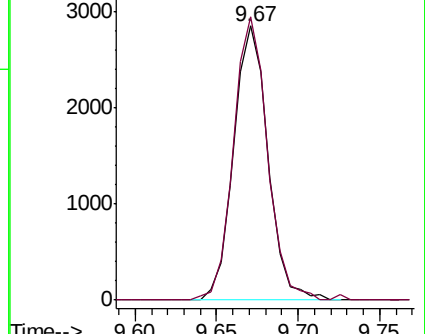
Manual Integrations
APPROVED

MMDadoda
4/4/2019 4:04:39 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.817 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

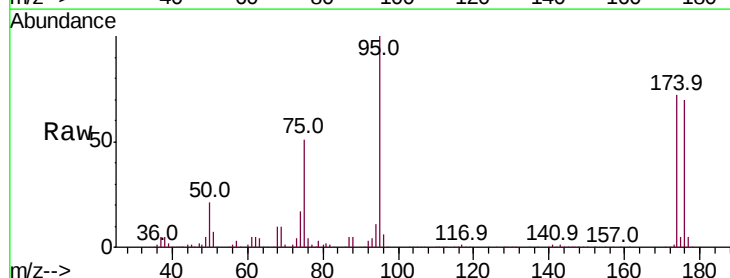
Tgt Ion: 95 Resp: 136537

Ion Ratio Lower Upper

95 100

174 75.2 0.0 151.8

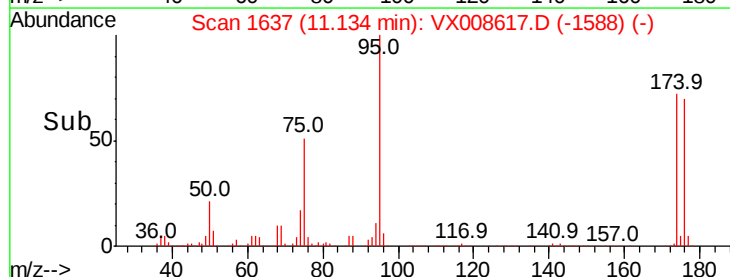
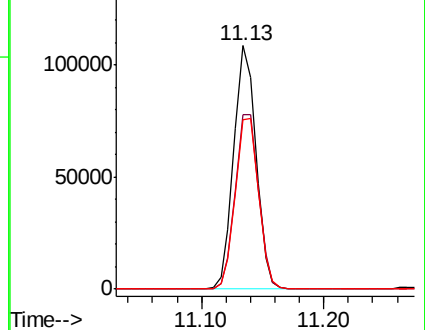
176 73.5 0.0 145.8

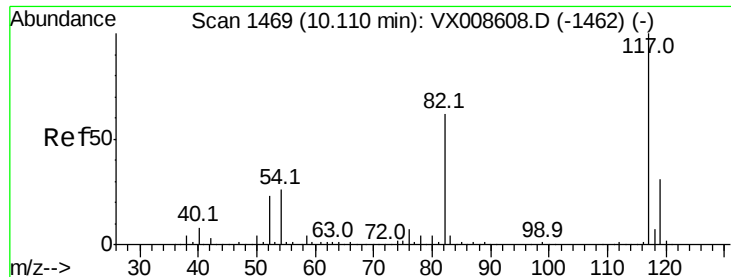


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





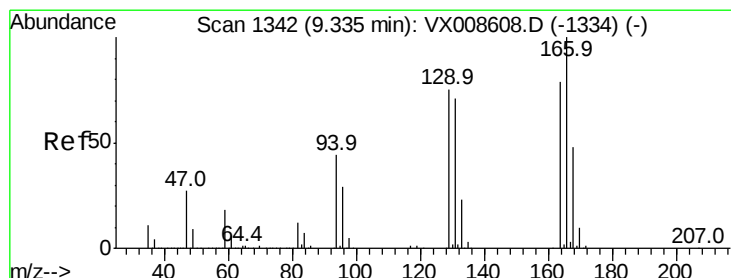
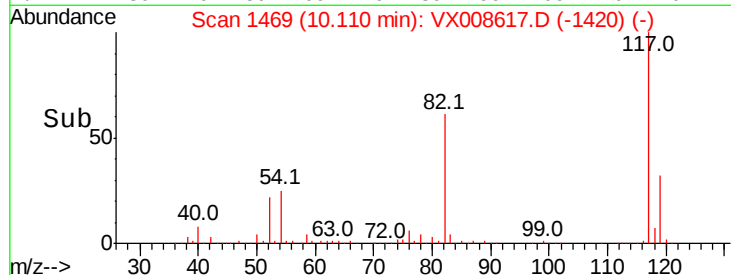
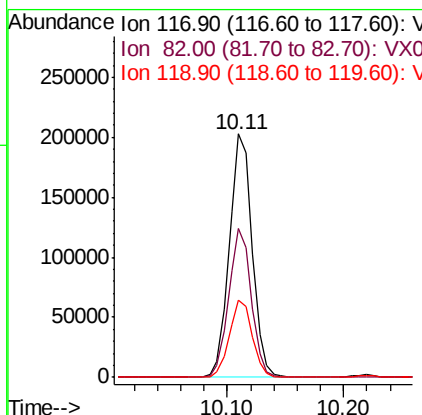
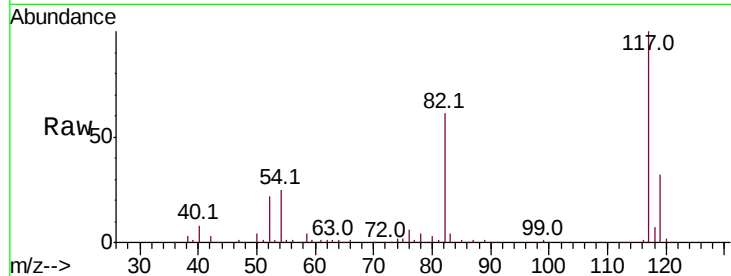
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.6	74.4
119	31.8	25.0	37.4

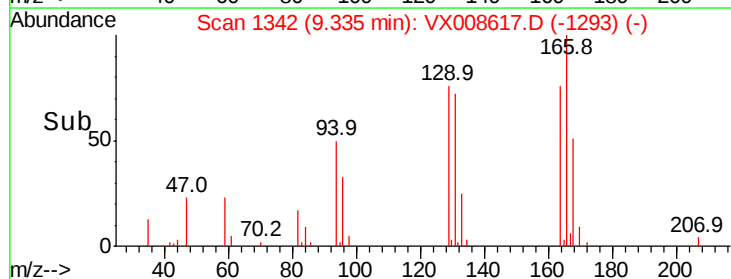
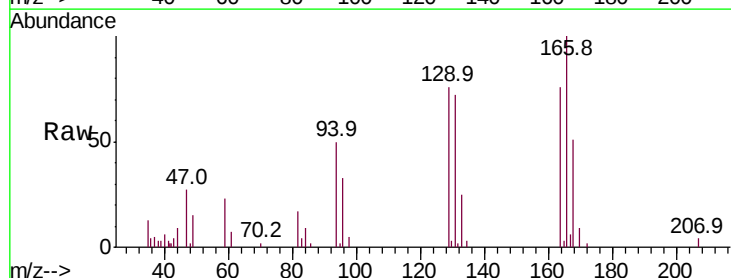
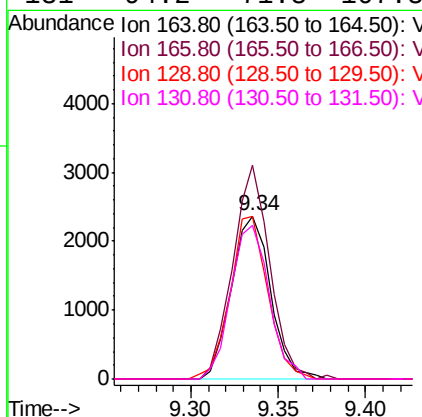
Manual Integrations
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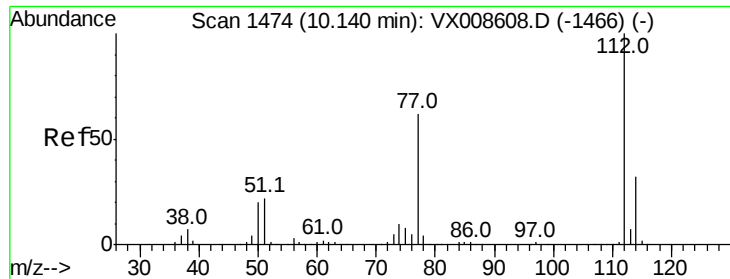
MMDadoda
4/4/2019 4:04:39 PM



#64
Tetrachloroethene
Concen: 1.797 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.0	151.6
129	99.5	75.8	113.8
131	94.2	71.8	107.8





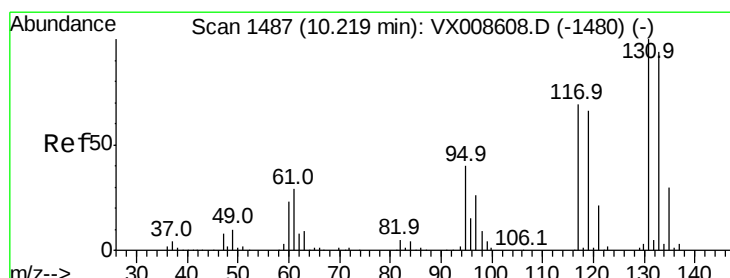
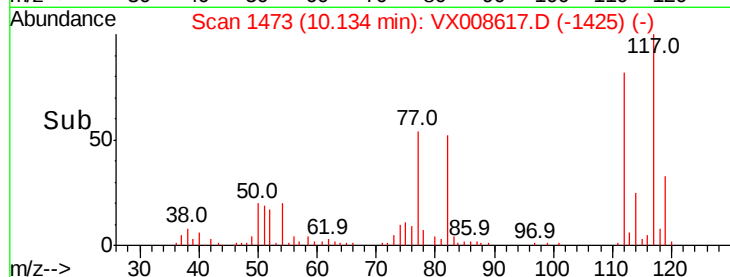
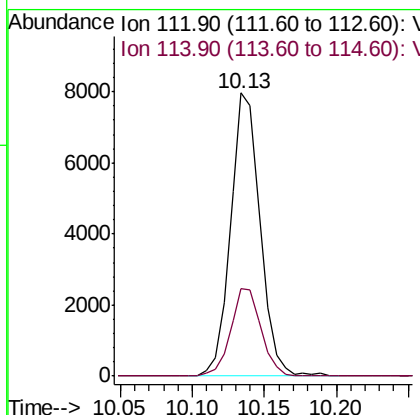
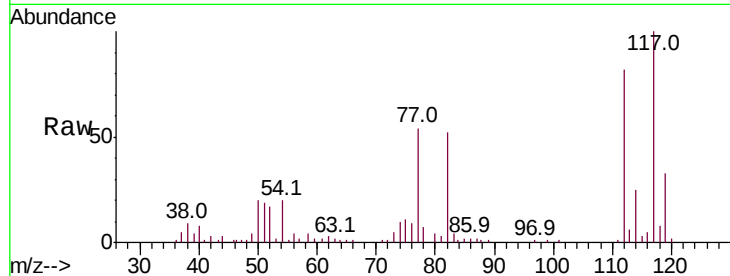
#65
Chlorobenzene
Concen: 1.865 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion:112 Resp: 11443
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.8

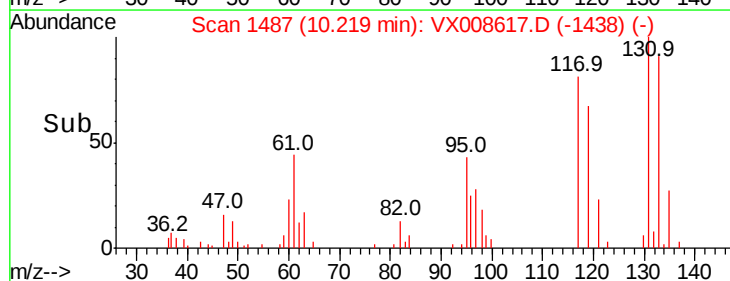
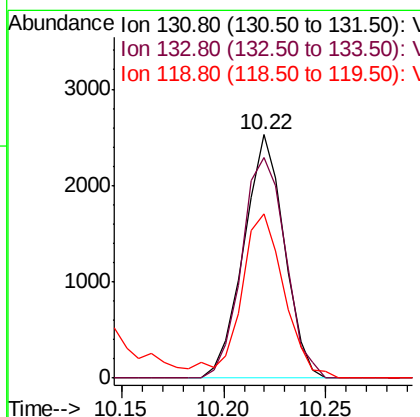
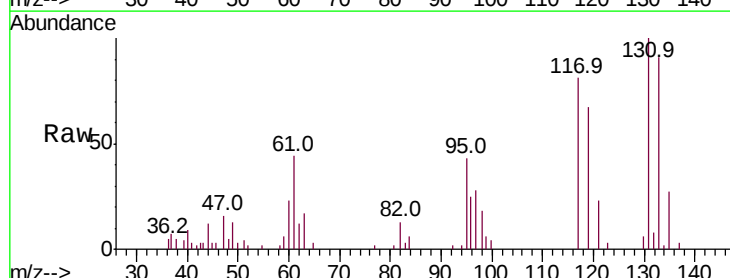
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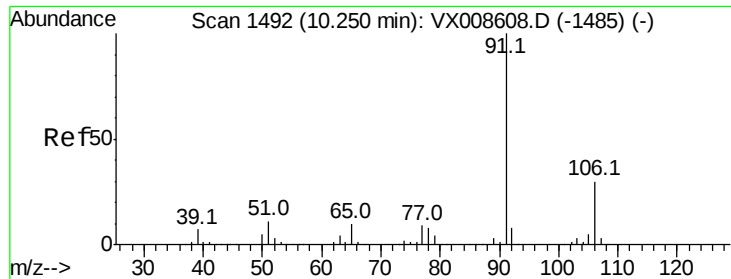
MMDadoda
4/4/2019 4:04:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 1.622 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion:131 Resp: 3492
Ion Ratio Lower Upper
131 100
133 97.9 47.0 141.2
119 0.0 33.7 101.0#





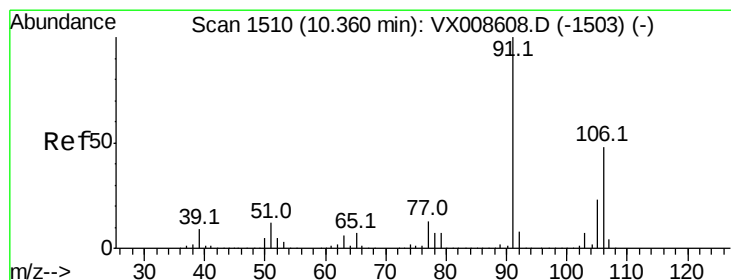
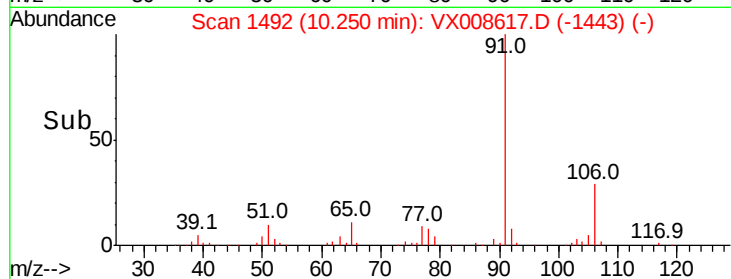
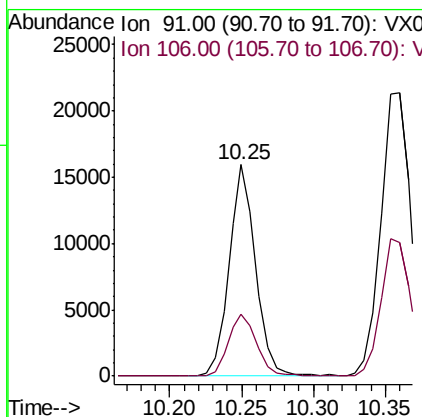
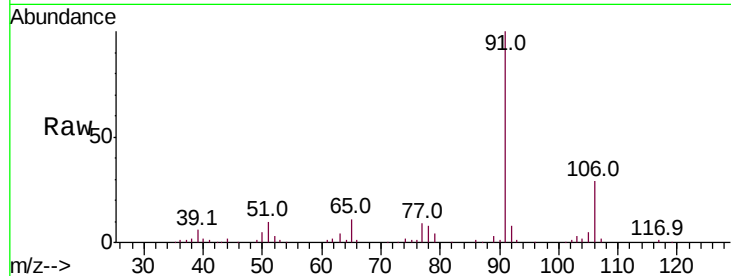
#67
Ethyl Benzene
Concen: 1.798 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 20568
Ion Ratio Lower Upper
91 100
106 29.1 23.7 35.5

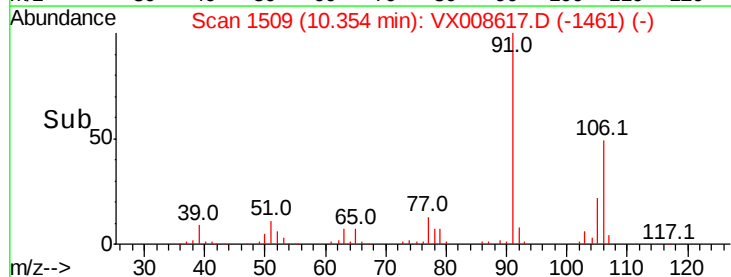
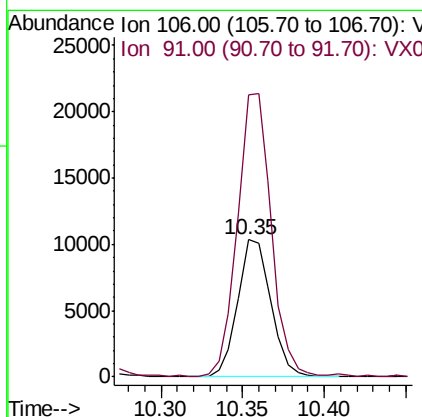
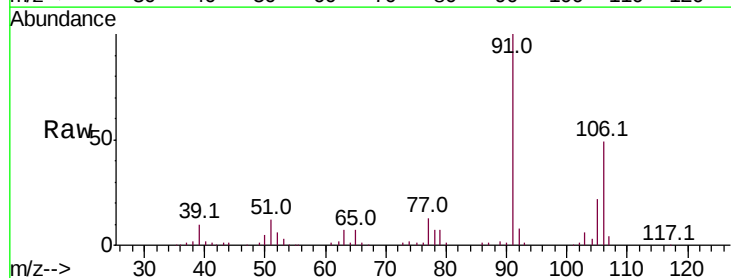
Manual Integrations
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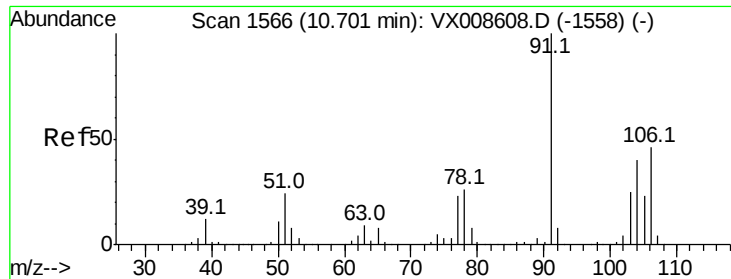
MMDadoda
4/4/2019 4:04:39 PM



#68
m/p-Xylenes
Concen: 3.590 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion: 106 Resp: 14768
Ion Ratio Lower Upper
106 100
91 208.1 168.5 252.7





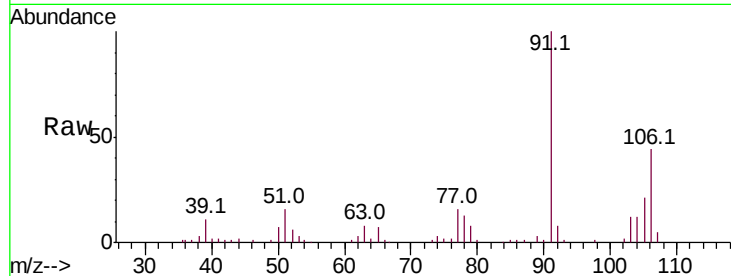
#69
o-Xylene
Concen: 1.787 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

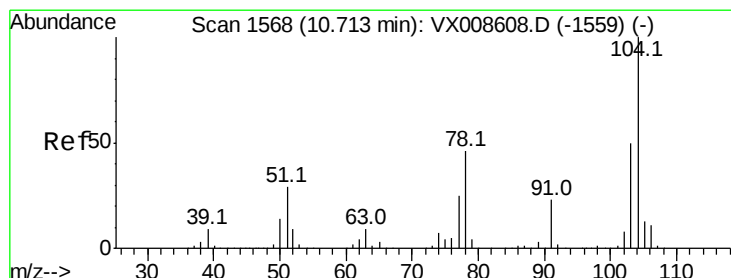
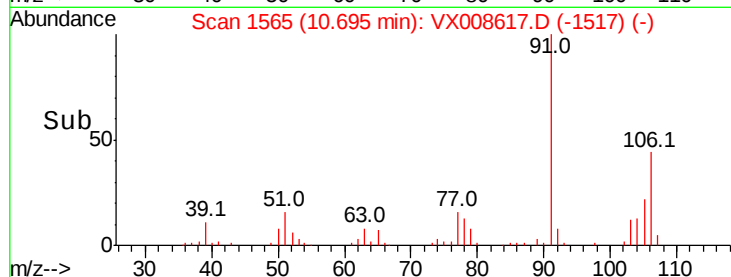
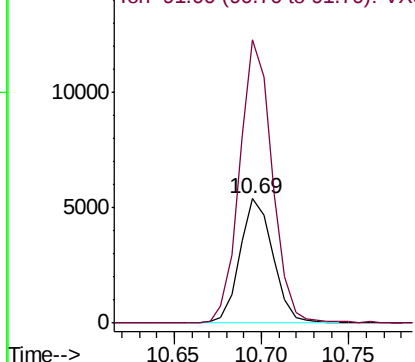
Tot Ion:106 Resp: 7122
Ion Ratio Lower Upper
106 100
91 223.7 111.5 334.4

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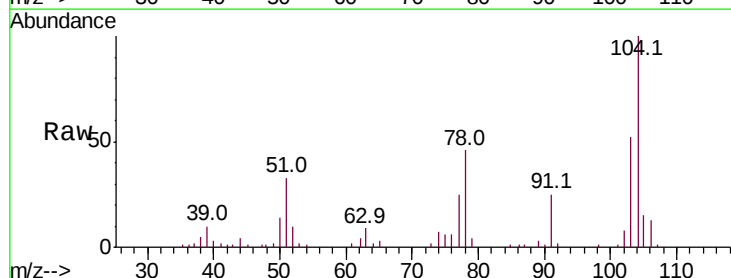


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

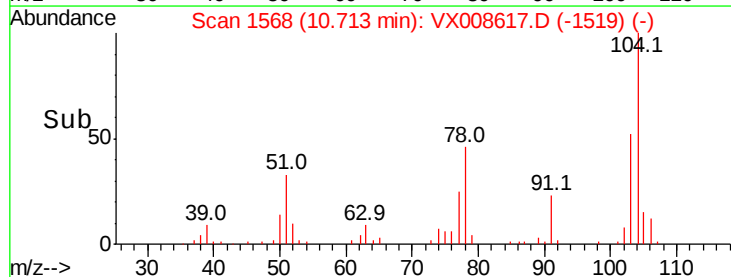
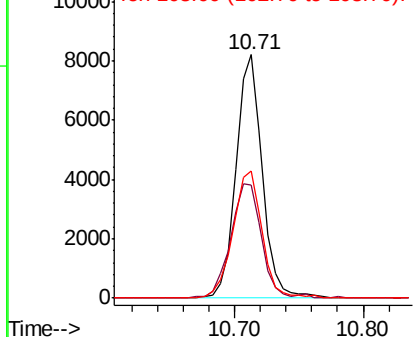


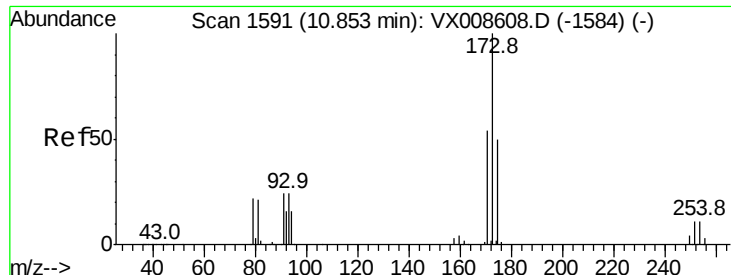
#70
Styrene
Concen: 1.691 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion:104 Resp: 11620
Ion Ratio Lower Upper
104 100
78 54.6 42.3 63.5
103 58.3 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 1.474 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:173 Resp: 2423

Ion Ratio Lower Upper

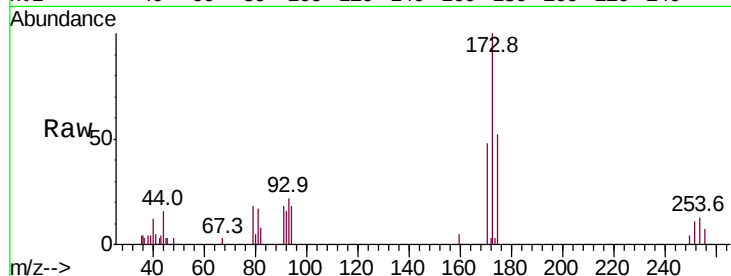
173 100

175 52.9 24.9 74.6

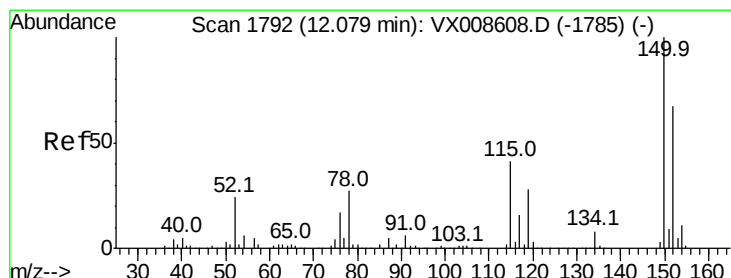
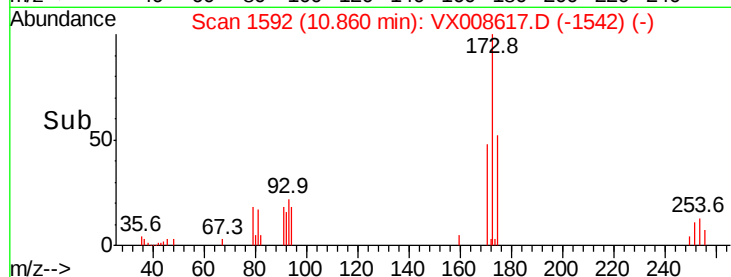
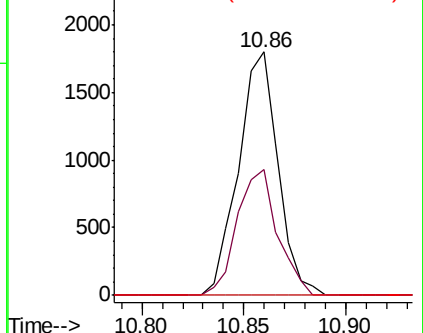
254 0.0 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

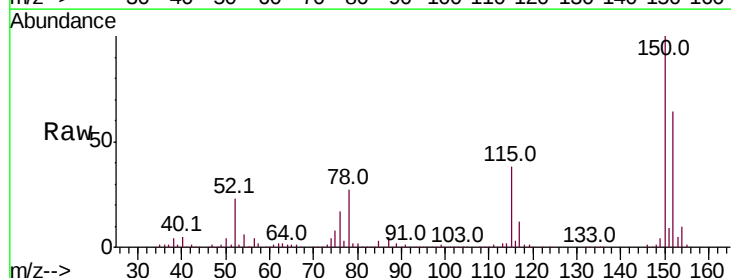
Tgt Ion:152 Resp: 122296

Ion Ratio Lower Upper

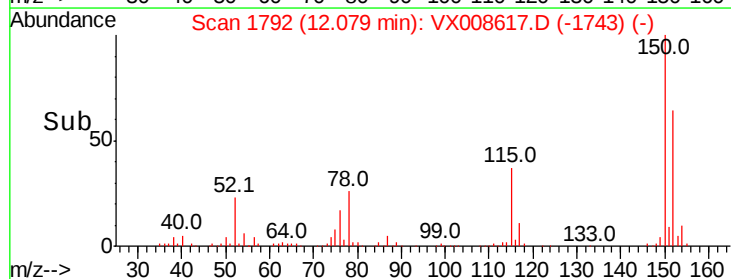
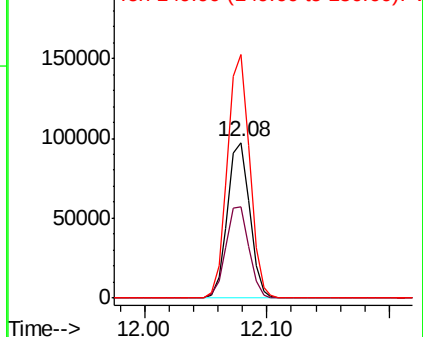
152 100

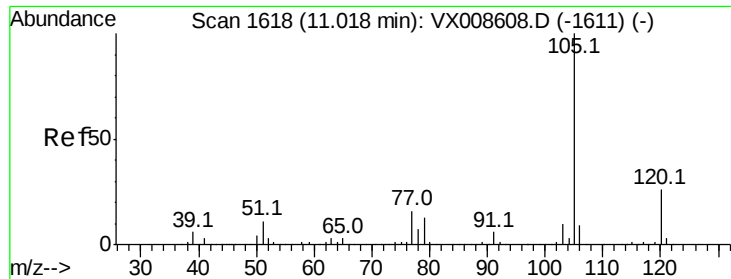
115 61.3 43.5 130.5

150 156.2 0.0 348.8



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





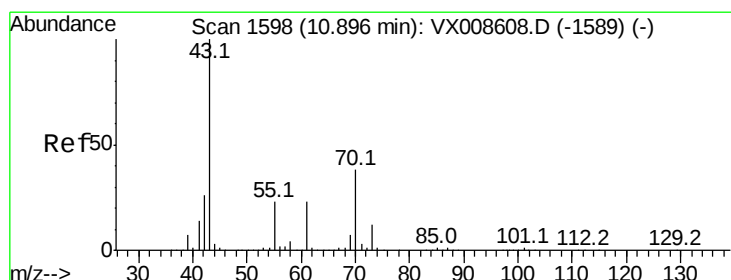
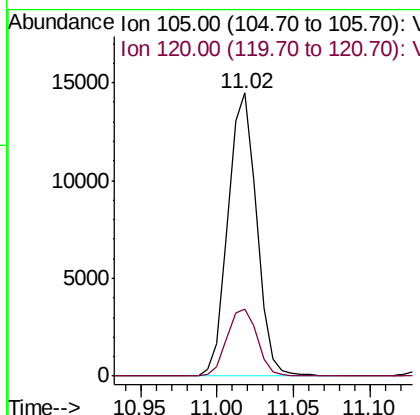
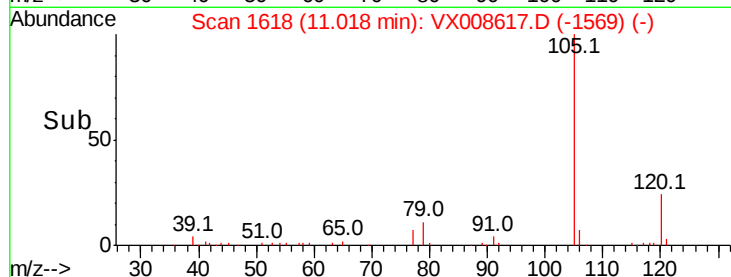
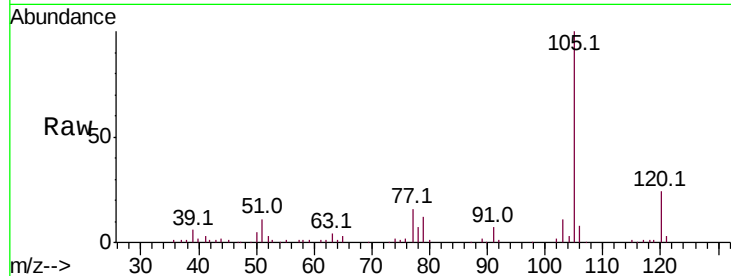
#73
Isopropylbenzene
Concen: 1.855 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

Tot Ion: 105 Resp: 18805
Ion Ratio Lower Upper
105 100
120 24.9 12.9 38.6

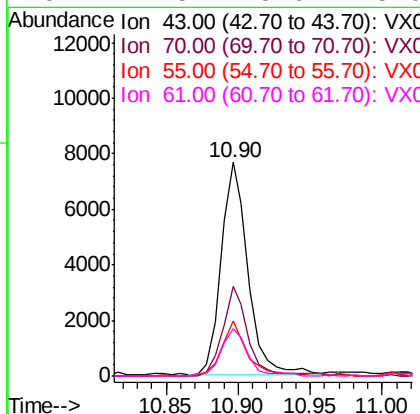
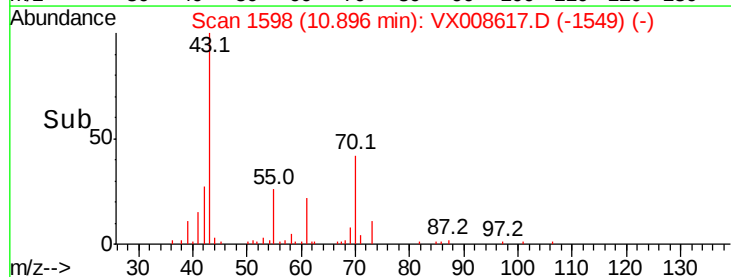
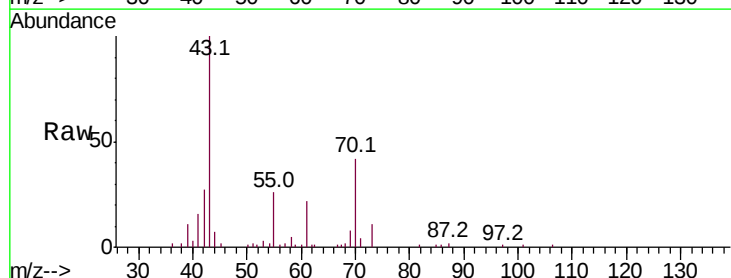
Manual Integrations
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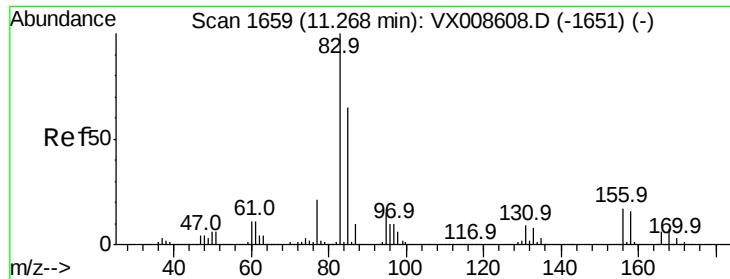
MMDadoda
4/4/2019 4:04:39 PM



#74
N-ethyl acetate
Concen: 1.663 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion: 43 Resp: 9918
Ion Ratio Lower Upper
43 100
70 40.9 30.2 45.4
55 25.4 18.2 27.4
61 22.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.942 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

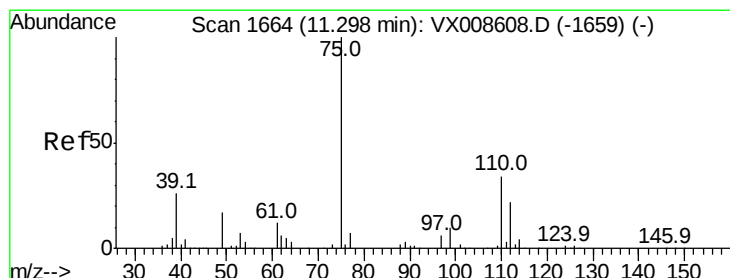
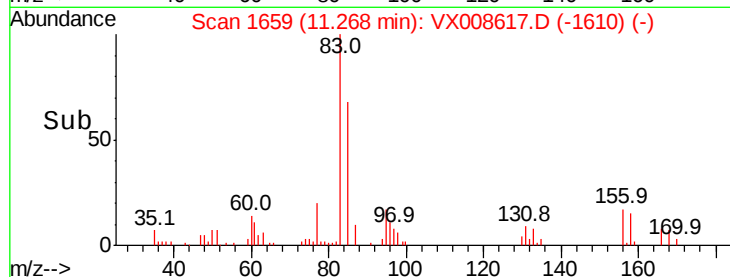
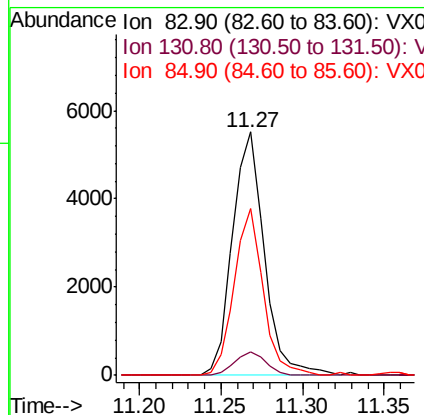
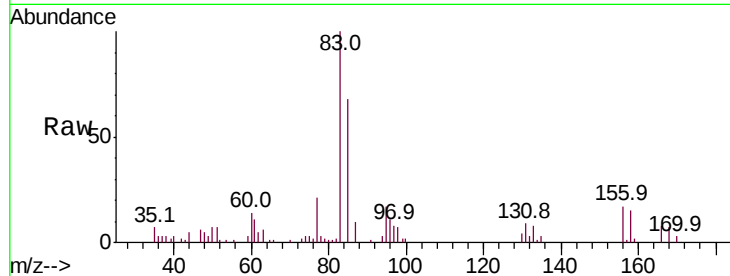
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	83	Resp:	7485
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.7
85	62.4	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.066 ug/l m

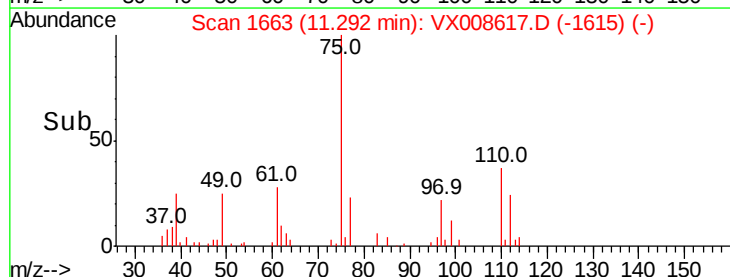
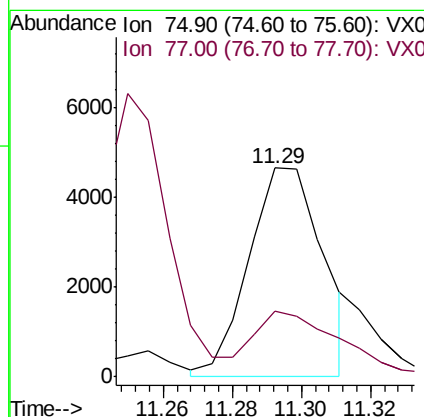
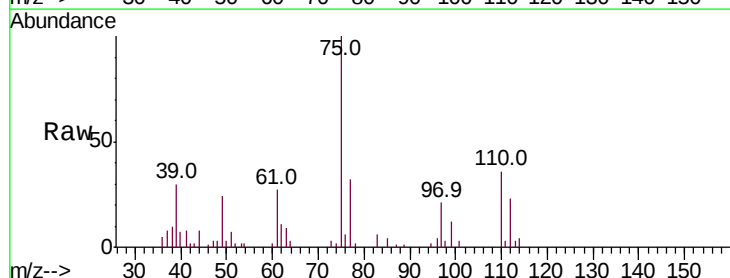
RT: 11.29 min Scan# 1663

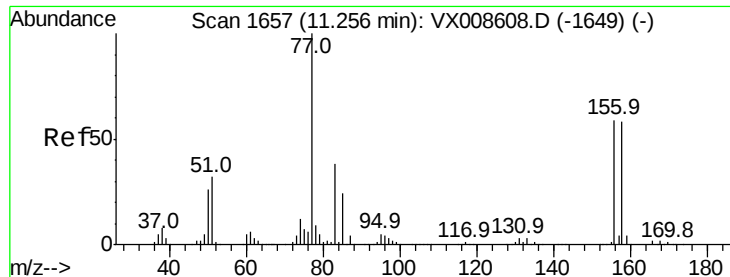
Delta R.T. -0.01 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	75	Resp:	6941
Ion Ratio	Lower	Upper	
75	100		
77	36.5	22.3	66.8





#77

Bromobenzene

Concen: 1.963 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

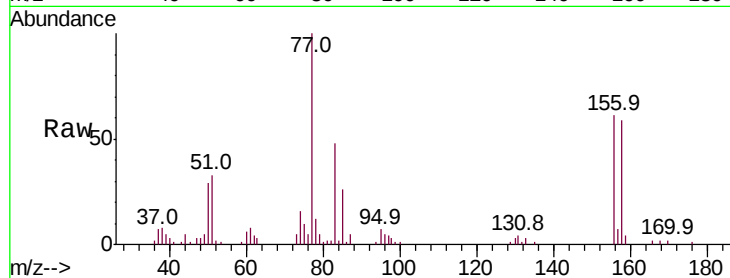
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	156	Resp:	4783
Ion	Ratio	Lower	Upper
156	100		
77	175.0	89.8	269.6
158	95.4	48.6	145.9

Manual Integrations
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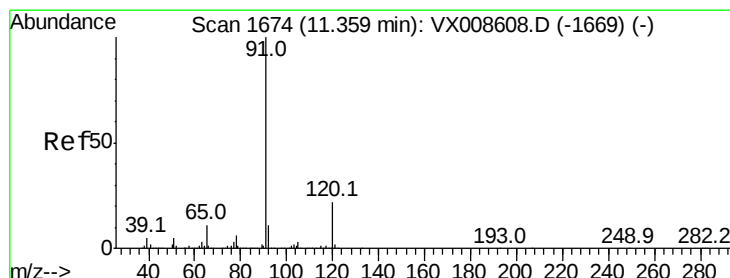
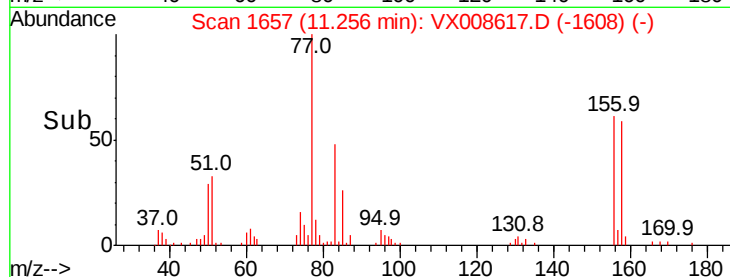
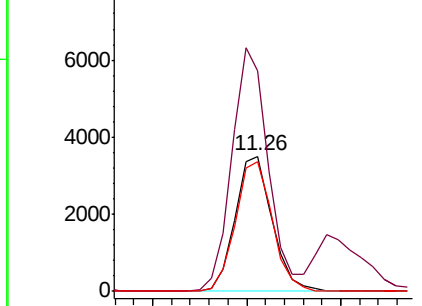
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.756 ug/l

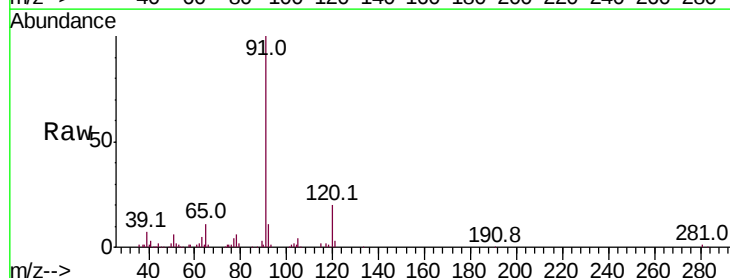
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008617.D

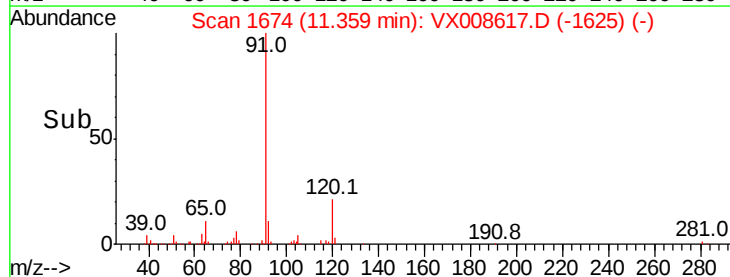
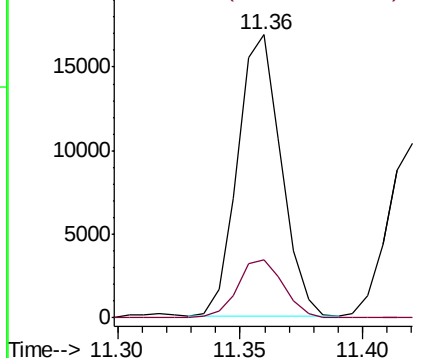
Acq: 03 Apr 2019 16:57

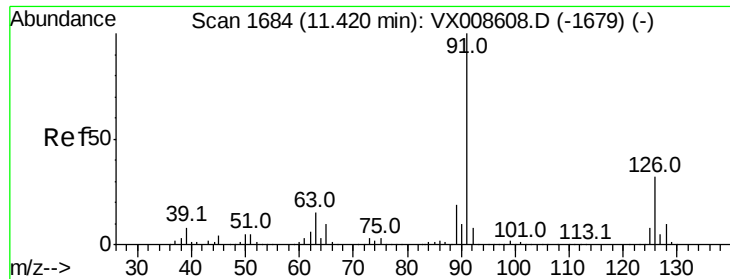
Tgt Ion:	91	Resp:	20725
Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.807 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion: 91 Resp: 12902

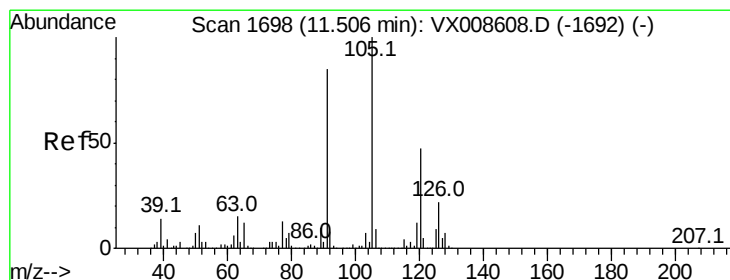
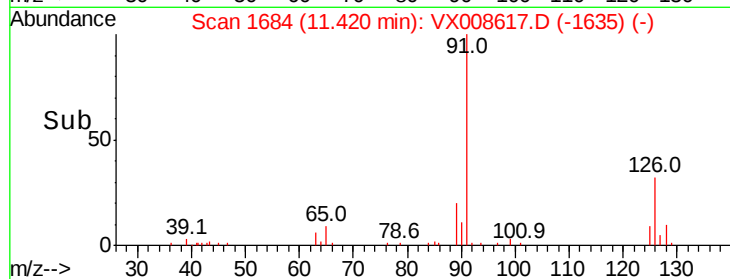
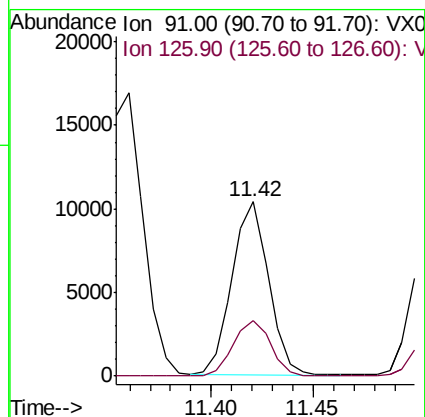
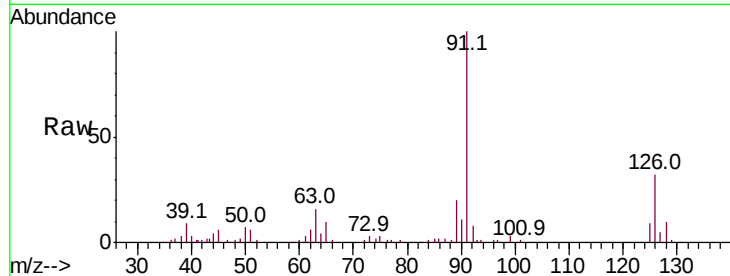
Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.3

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 1.833 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008617.D

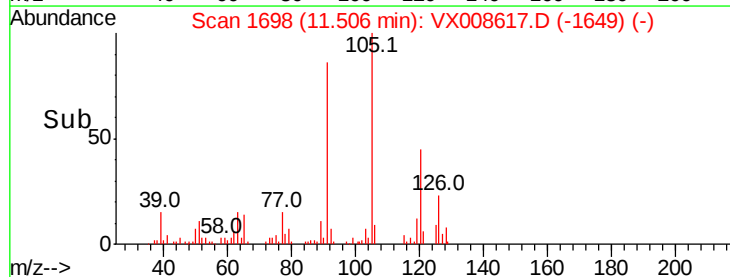
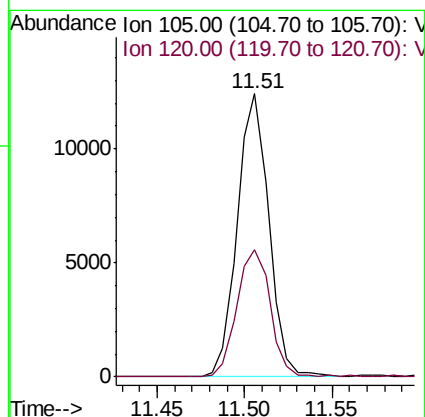
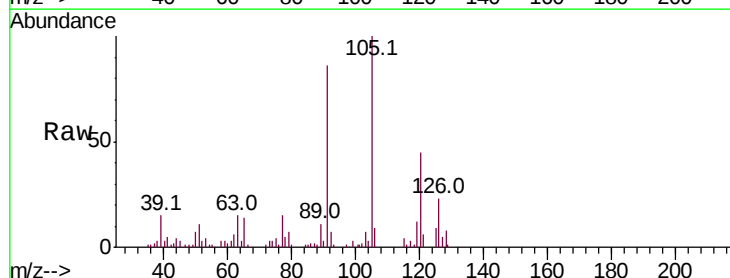
Acq: 03 Apr 2019 16:57

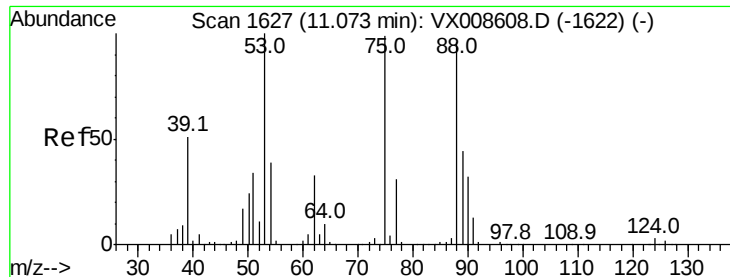
Tgt Ion: 105 Resp: 15598

Ion Ratio Lower Upper

105 100

120 47.4 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 1.358 ug/l m

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

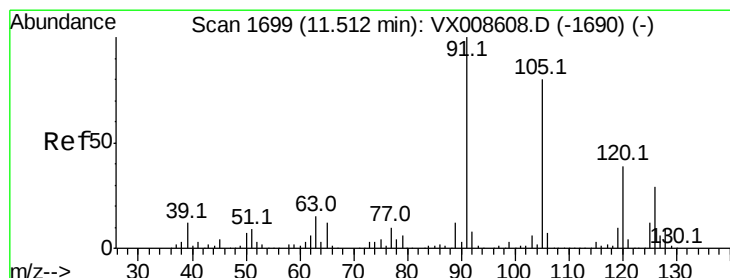
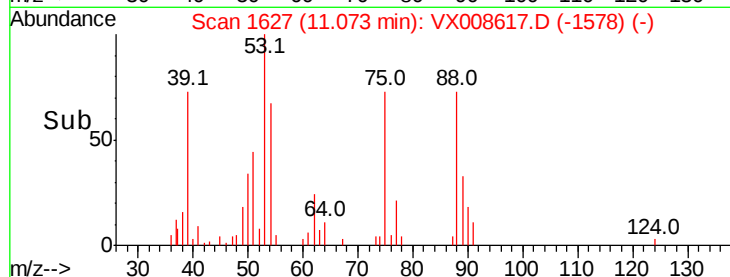
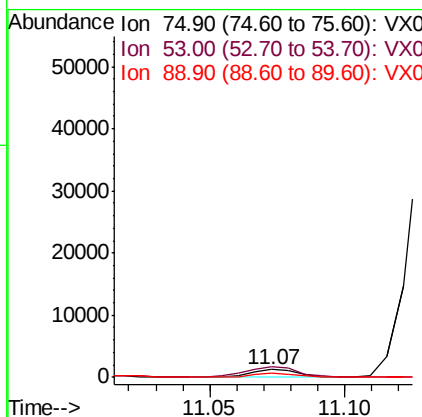
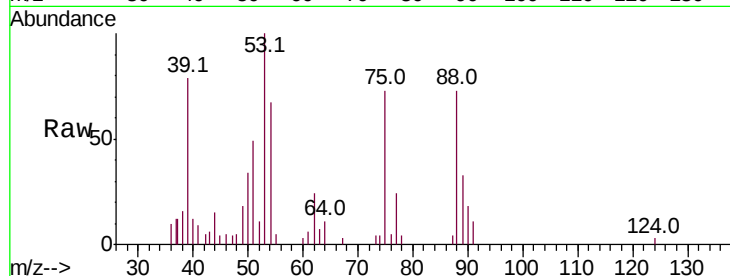
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	75	Resp:	1655
Ion Ratio	Lower	Upper	
75	100		
53	0.0	81.3	121.9#
89	0.0	35.6	53.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 1.832 ug/l

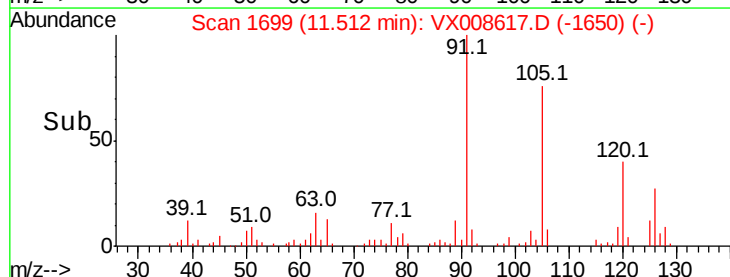
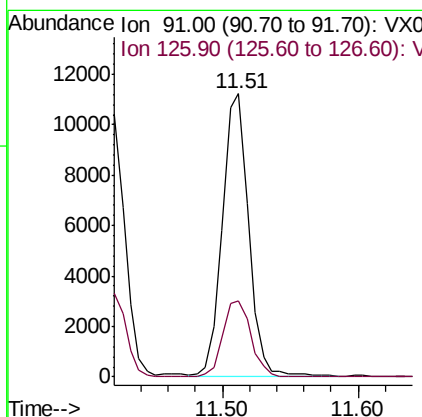
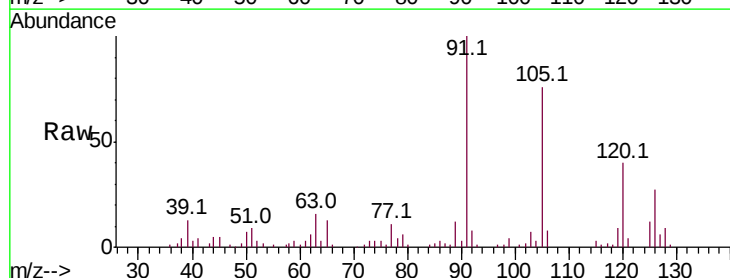
RT: 11.51 min Scan# 1699

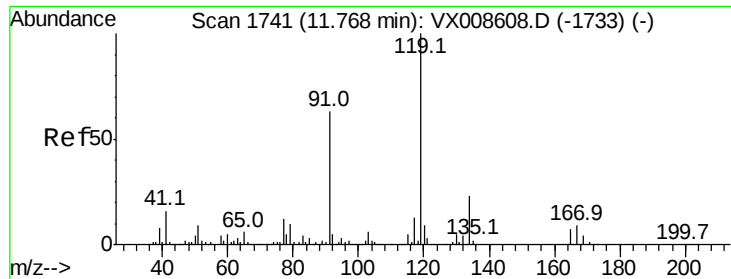
Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	91	Resp:	15148
Ion Ratio	Lower	Upper	
91	100		
126	28.3	13.9	41.6





#83

tert-Butylbenzene

Concen: 1.836 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

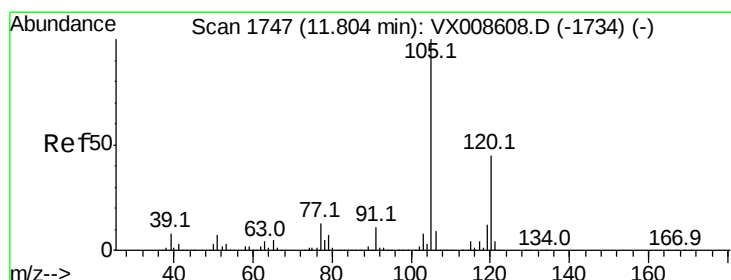
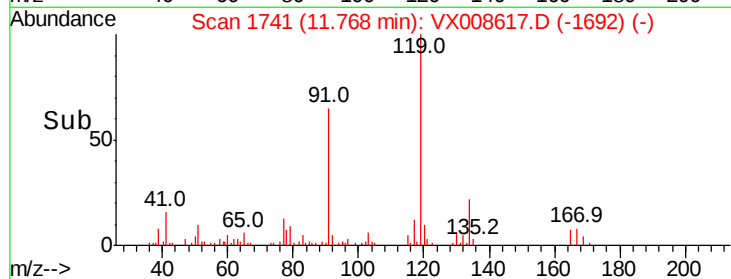
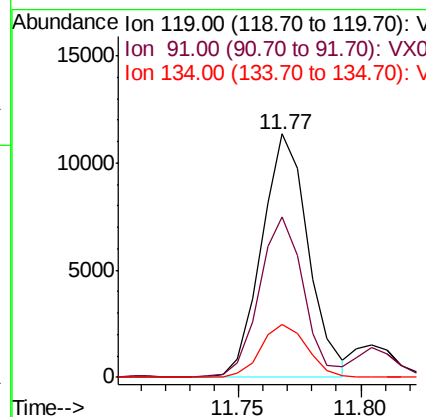
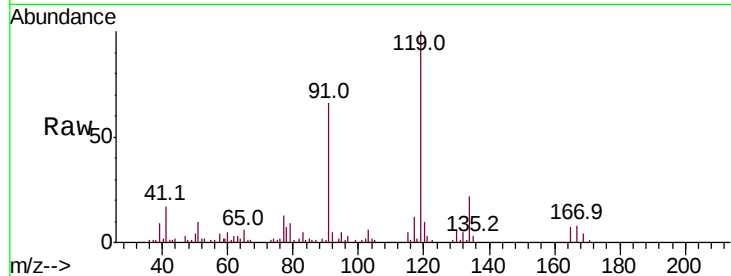
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:	119	Resp:	15026
Ion Ratio	Lower	Upper	
119	100		
91	63.0	30.0	90.1
134	21.6	11.1	33.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 1.834 ug/l

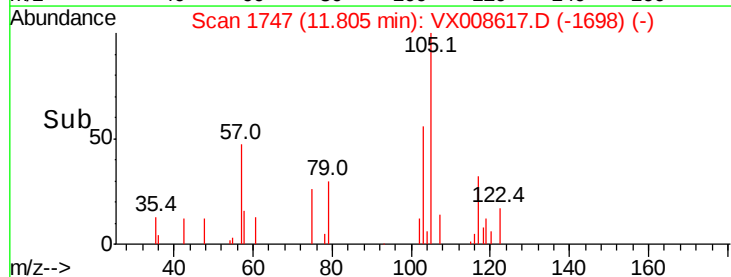
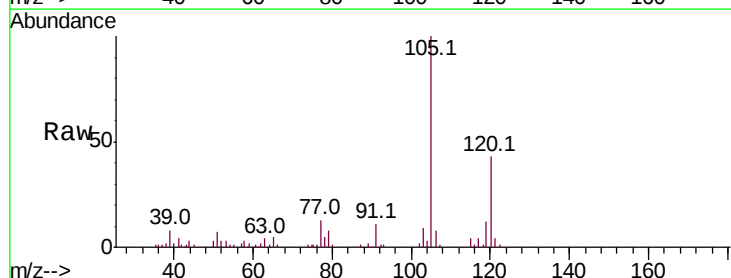
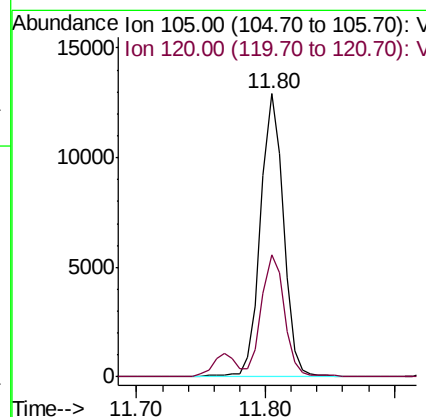
RT: 11.80 min Scan# 1747

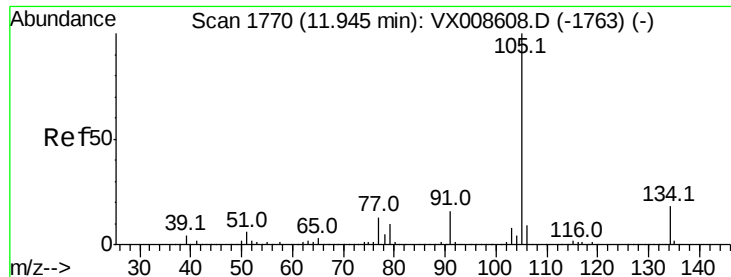
Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:	105	Resp:	15796
Ion Ratio	Lower	Upper	
105	100		
120	43.1	21.8	65.3





#85

sec-Butylbenzene

Concen: 1.852 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:105 Resp: 18008

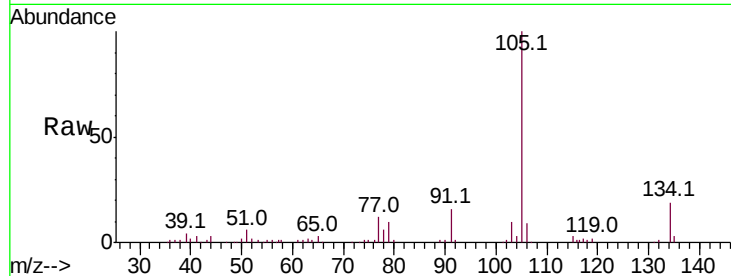
Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2

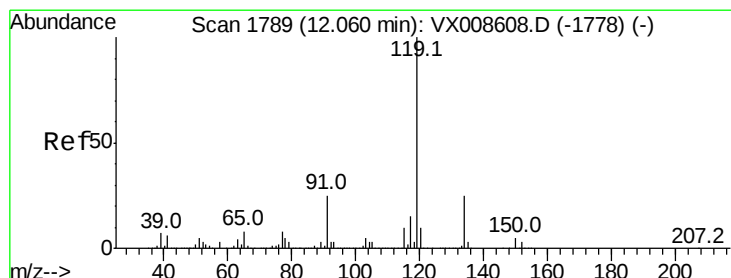
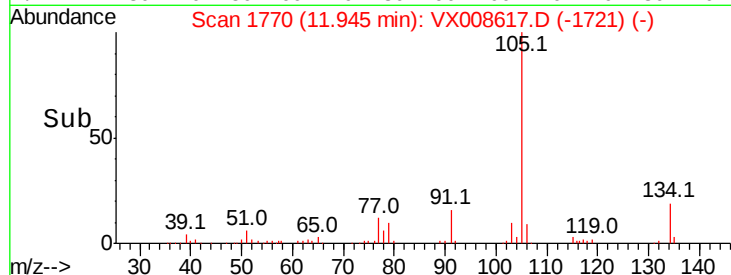
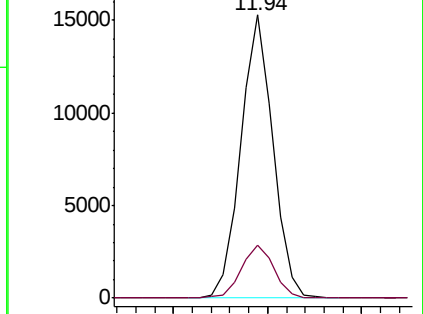
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.741 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

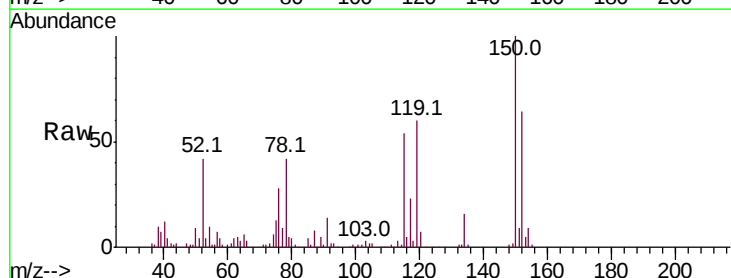
Tgt Ion:119 Resp: 15190

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

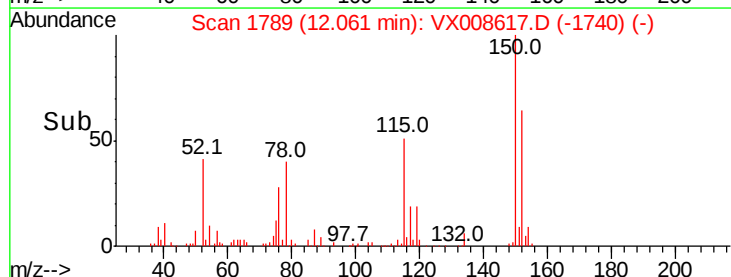
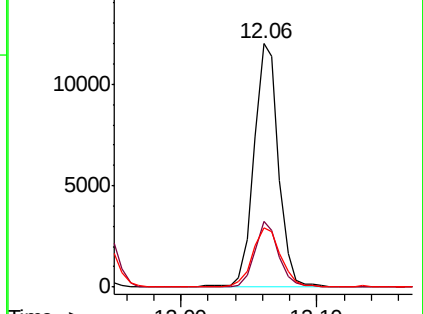
91 28.0 12.2 36.6

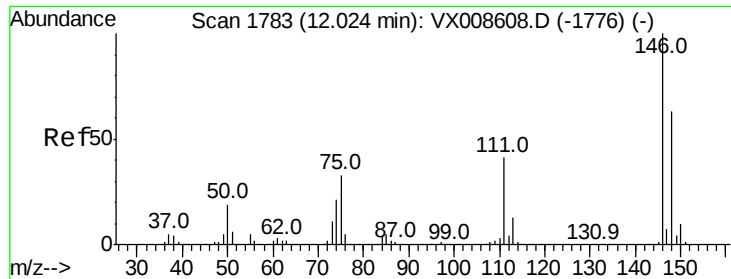


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





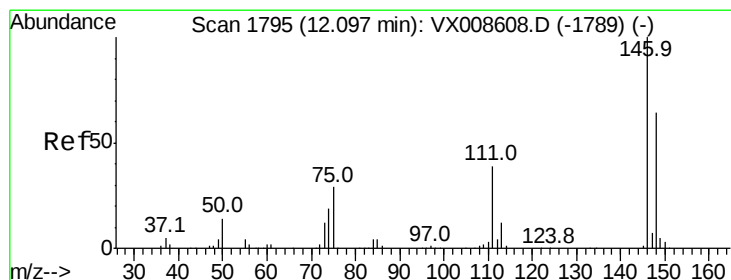
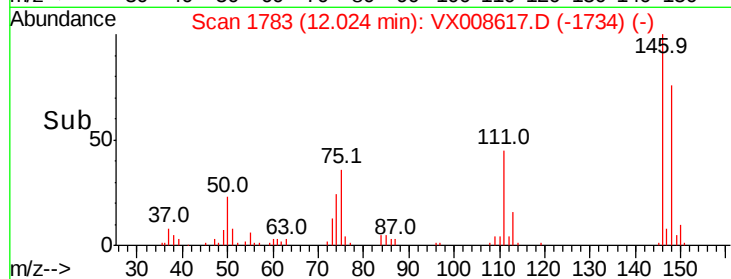
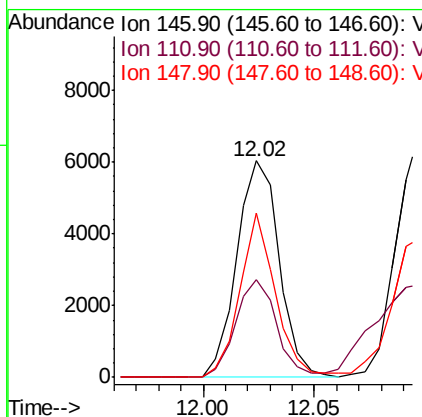
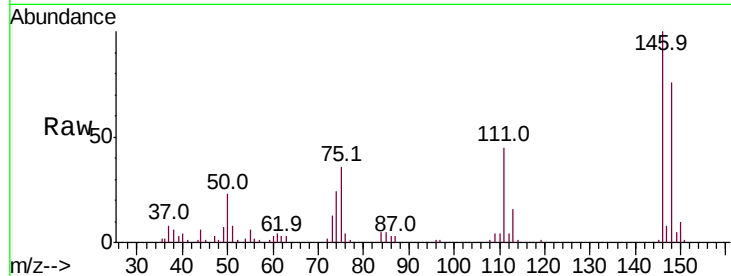
#87
 1,3-Dichlorobenzene
 Concen: 1.839 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.5	61.5
148	63.8	31.6	94.7

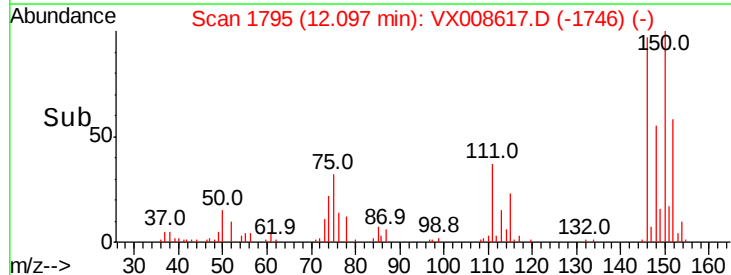
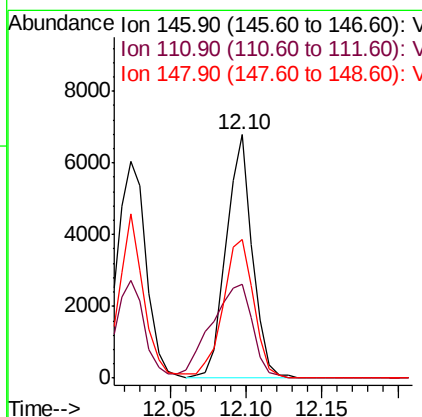
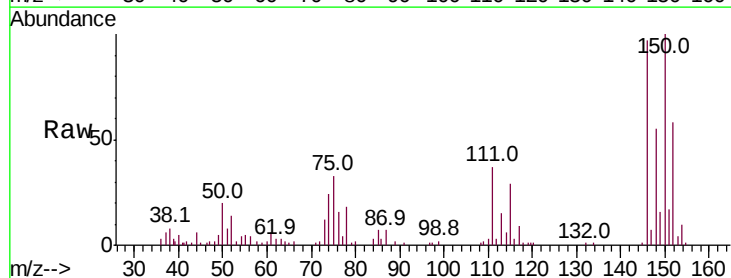
Manual Integrations
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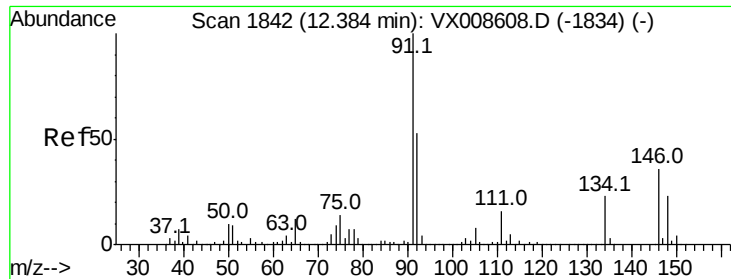
MMDadoda
 4/4/2019 4:04:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 1.844 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.2	60.6
148	62.8	32.0	96.0





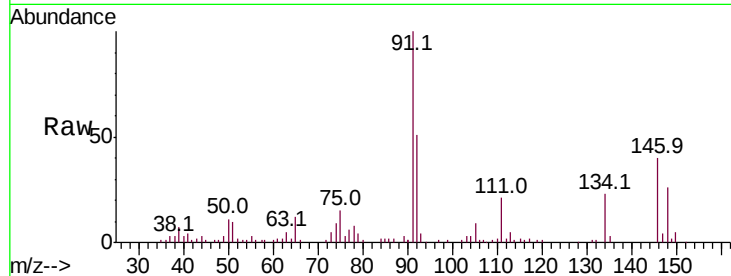
#89
n-Butylbenzene
Concen: 1.639 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT2-2019

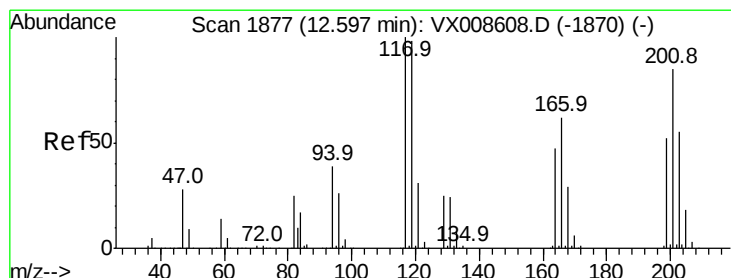
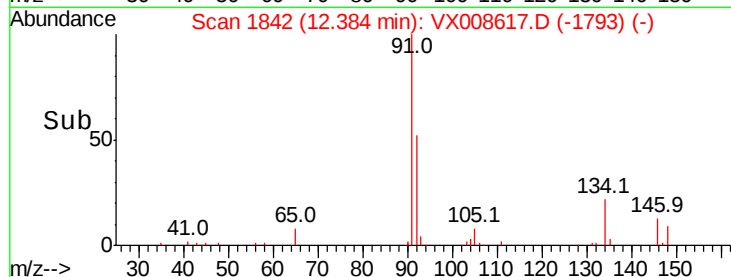
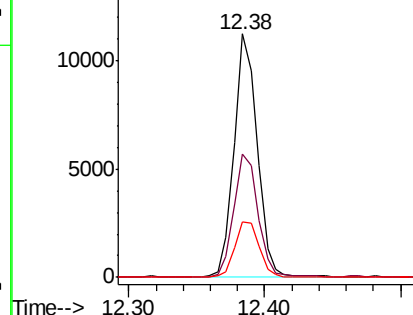
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	24.0	12.0	36.0

Manual Integrations
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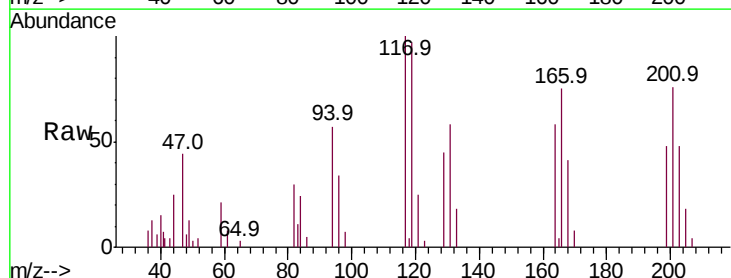


Abundance Ion 91.00 (90.70 to 91.70): VX008617.D (-1793) (-)
Ion 92.00 (91.70 to 92.70): VX008617.D (-1793) (-)
Ion 134.00 (133.70 to 134.70): VX008617.D (-1793) (-)

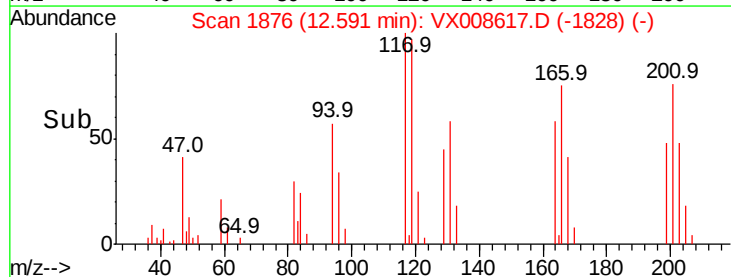
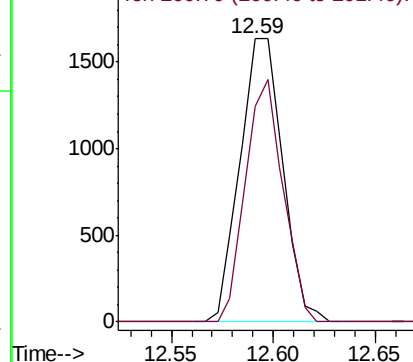


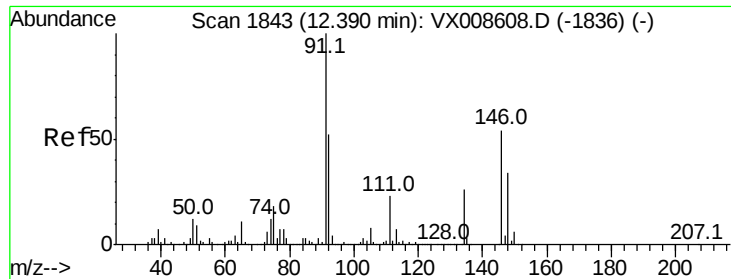
#90
Hexachloroethane
Concen: 1.649 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX008617.D
Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	40.6	122.0



Abundance Ion 116.80 (116.50 to 117.50): VX008617.D (-1828) (-)
Ion 200.70 (200.40 to 201.40): VX008617.D (-1828) (-)





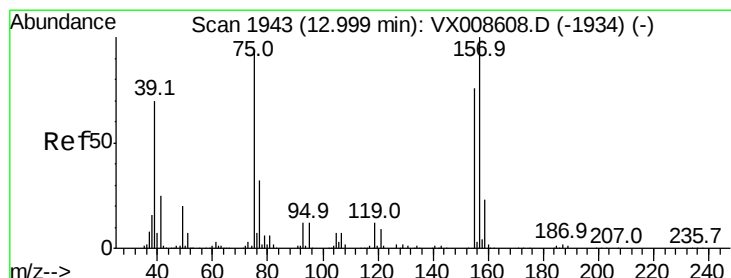
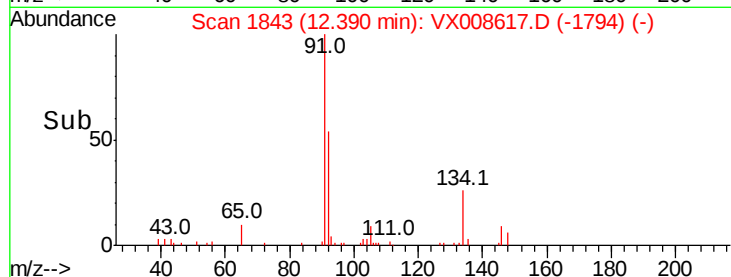
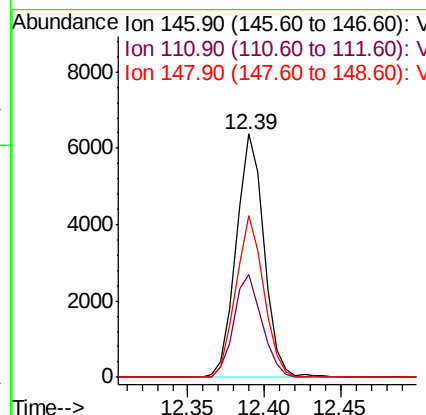
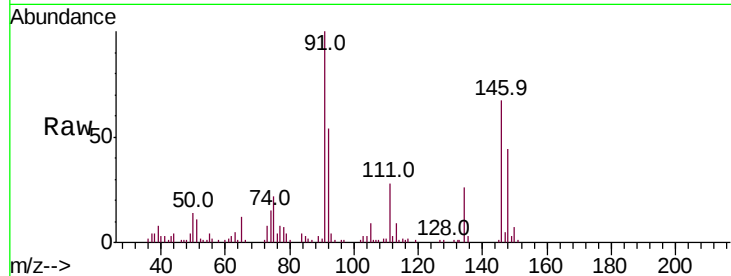
#91
 1,2-Dichlorobenzene
 Concen: 1.859 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	65.9	31.7	95.1

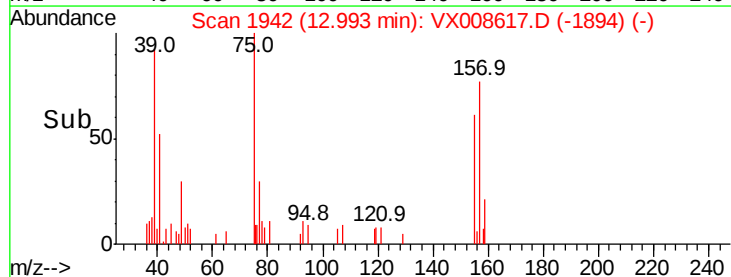
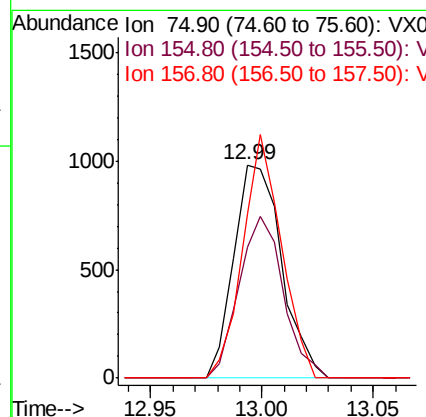
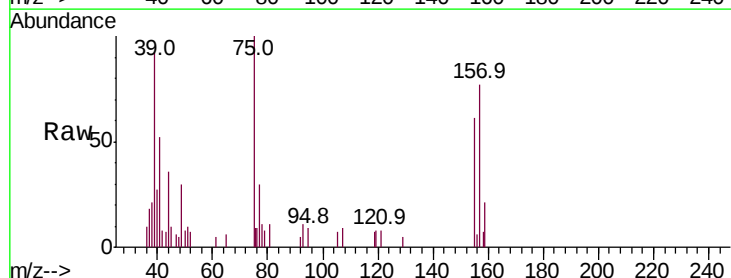
Manual Integrations
 APPROVED

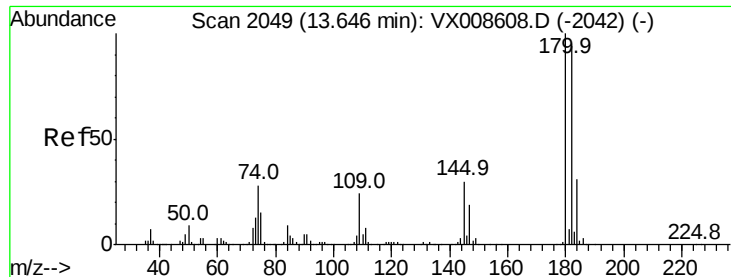
MMDadoda
 4/4/2019 4:04:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.735 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	39.9	119.6
157	91.9	51.5	154.7





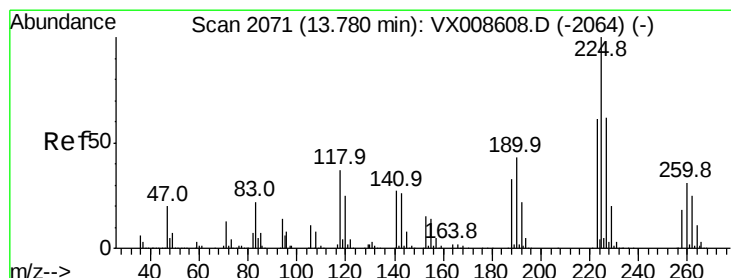
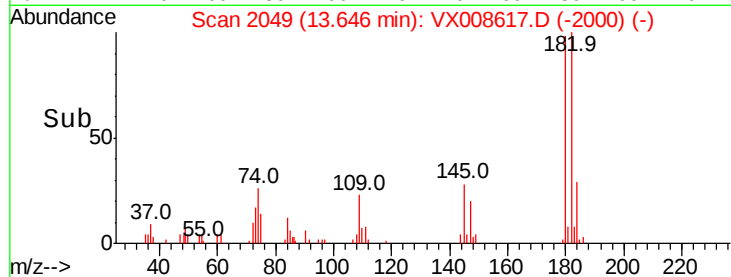
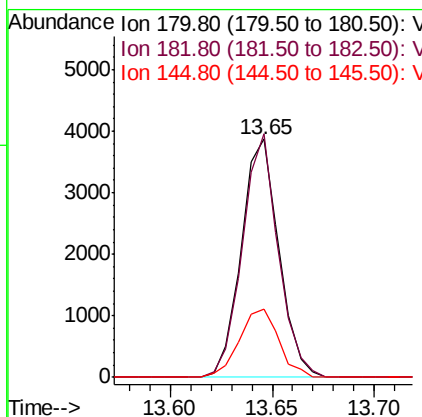
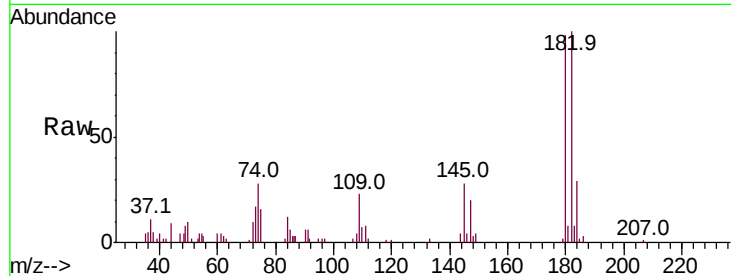
#93
 1,2,4-Trichlorobenzene
 Concen: 1.640 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Tot Ion:	180	Resp:	4939
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.2	141.6
145	29.9	15.3	45.9

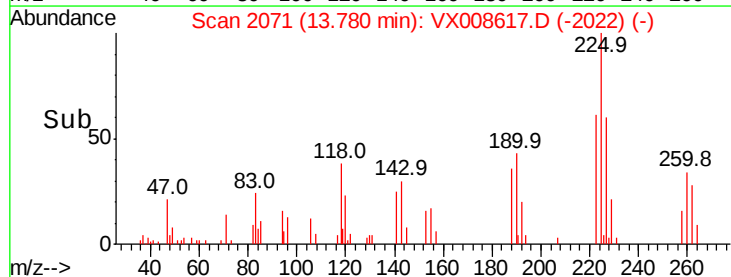
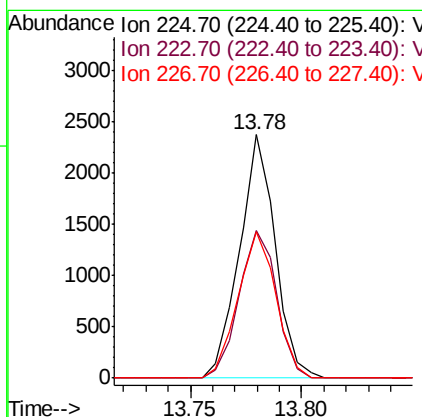
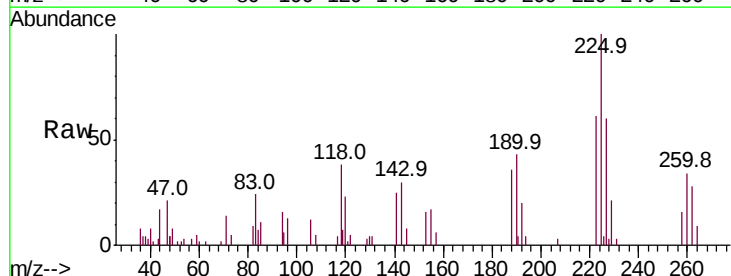
Manual Integrations
 APPROVED

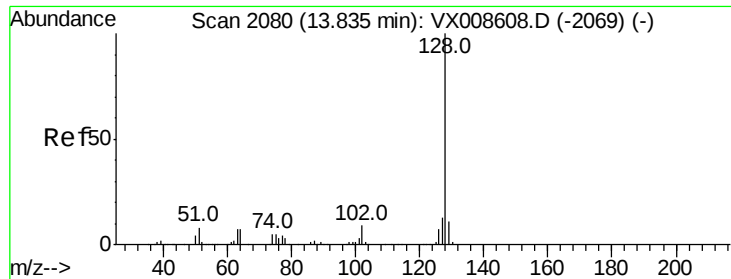
MMDadoda
 4/4/2019 4:04:39 PM



#94
 Hexachlorobutadiene
 Concen: 1.841 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008617.D
 Acq: 03 Apr 2019 16:57

Tgt Ion:	225	Resp:	2658
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.2	93.6
227	63.6	31.9	95.5





#95

Naphthalene

Concen: 1.696 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Instrument :

MSVOA_X

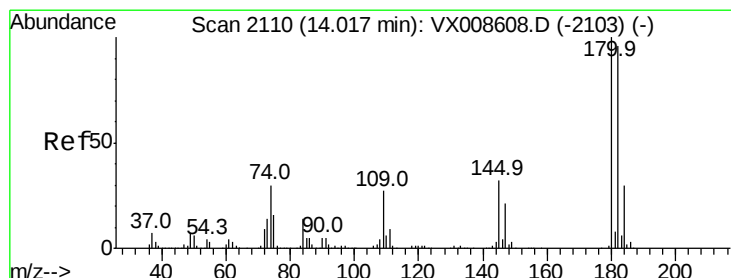
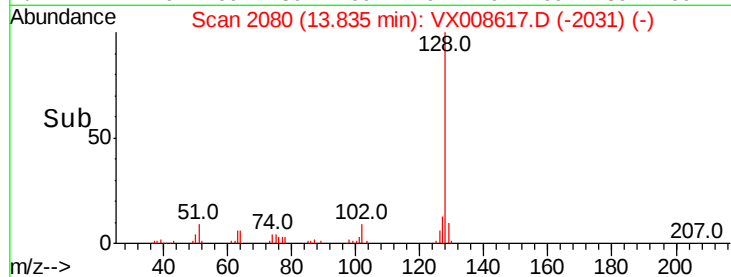
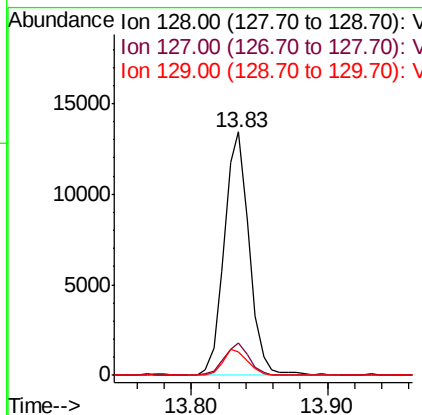
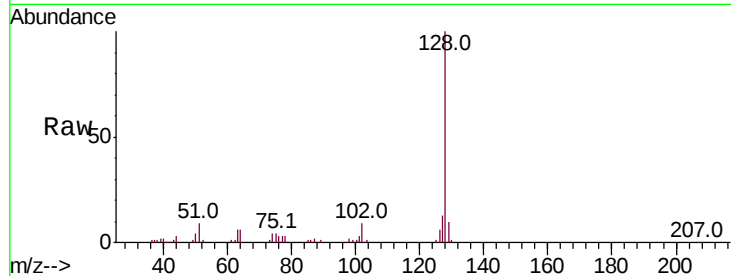
ClientSampleId :

LOQ-WATER-02-QT2-2019

Tot Ion:128	Resp:	17073
Ion Ratio	Lower	Upper
128 100		
127 13.0	10.4	15.6
129 10.4	8.6	13.0

Manual Integrations
APPROVED

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4/4/2019 4:04:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 1.689 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008617.D

Acq: 03 Apr 2019 16:57

Tgt Ion:180	Resp:	5081
Ion Ratio	Lower	Upper
180 100		
182 96.2	48.1	144.3
145 32.0	16.3	48.8

