

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007929.D
 Acq On : 08 Mar 2019 14:16
 Operator : JC/SP
 Sample : K1560-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 12:01:51 PM

Quant Time: Mar 09 05:09:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	45056	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	236597	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	205012	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	88404	29.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.50%
60) 4-Bromofluorobenzene	11.13	95	96823	29.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.63%
63) Toluene-d8	8.71	98	288754	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	23100	8.636 ug/l	99
3) Chloromethane	1.33	50	29127	9.793 ug/l	100
4) Vinyl Chloride	1.41	62	29770	10.104 ug/l	100
5) Bromomethane	1.64	94	14511	9.879 ug/l	99
6) Chloroethane	1.71	64	18957	11.017 ug/l	96
7) Trichlorofluoromethane	1.93	101	38975	10.623 ug/l	98
8) Diethyl Ether	2.19	74	16996	8.995 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	24203	8.775 ug/l	99
10) 1,1-Dichloroethene	2.37	96	22928	8.770 ug/l	86
11) Methyl Iodide	2.51	142	32416	7.920 ug/l	92
12) Methyl Acetate	2.78	43	44274	10.707 ug/l	95
13) Acrolein	2.30	56	24277	50.046 ug/l	100
14) Acrylonitrile	3.15	53	80351	45.778 ug/l	100
15) Acetone	2.45	58	23841	37.621 ug/l	98
16) Carbon Disulfide	2.57	76	69196	8.436 ug/l	99
17) Allyl chloride	2.73	41	46843	8.739 ug/l	88
18) Methylene Chloride	2.85	84	26527	8.906 ug/l	93
19) trans-1,2-Dichloroethene	3.17	96	25225	9.119 ug/l	98
20) Diisopropyl ether	3.87	45	90133	9.192 ug/l	95
21) 1,1-Dichloroethane	3.70	63	47871	8.976 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	28706	8.996 ug/l	89
23) tert-Butyl Alcohol	3.07	59	31070	43.877 ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	81235	9.037 ug/l	95
25) Chloroform	5.21	83	46231	9.184 ug/l	97
26) Cyclohexane	5.57	56	43209	8.768 ug/l	# 90
29) 1,1-Dichloropropene	5.80	75	34529	9.204 ug/l	96
30) 2-Butanone	4.70	43	109184	43.152 ug/l	98
31) 2,2-Dichloropropane	4.59	77	29546	8.527 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	36986	9.118 ug/l	98
33) Carbon Tetrachloride	5.78	117	32114	8.925 ug/l	97
34) Benzene	6.14	78	108223	9.414 ug/l	99
35) Methacrylonitrile	5.06	41	23222	9.418 ug/l	89
36) 1,2-Dichloroethane	6.20	62	35840	9.582 ug/l	98
37) Trichloroethene	7.21	130	28927	9.287 ug/l	91
38) Methylcyclohexane	7.46	83	41585	8.719 ug/l	94
39) 1,2-Dichloropropane	7.51	63	28871	9.629 ug/l	97
40) Dibromomethane	7.66	93	17786	9.352 ug/l	91

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	32937	9.163	ug/l	99
42) Vinyl Acetate	3.82	43	362416	44.249	ug/l	97
43) Ethyl Acetate	4.85	43	40897	9.280	ug/l	97
44) Isopropyl Acetate	6.46	43	61973	9.216	ug/l	100
45) 1,4-Dioxane	7.75	88	13187	187.435	ug/l	90
46) Methyl methacrylate	7.77	41	32003	9.049	ug/l	90
47) n-amyl Acetate	10.90	43	49263	8.502	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	31666	8.134	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	36584	8.299	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	27193	9.381	ug/l	97
51) Ethyl methacrylate	9.18	69	38701	8.803	ug/l	94
52) 1,3-Dichloropropane	9.37	76	44707	9.334	ug/l	99
53) Dibromochloromethane	9.58	129	25943	8.700	ug/l	100
54) 1,2-Dibromoethane	9.67	107	27827	9.182	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	108403	53.016	ug/l	98
56) Bromoform	10.85	173	19384	8.150	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	192376	45.577	ug/l	99
59) 2-Hexanone	9.49	43	145396	43.638	ug/l	99
61) Tetrachloroethene	9.34	164	29151	9.748	ug/l	94
62) Toluene	8.79	91	113141	9.451	ug/l	99
64) Chlorobenzene	10.14	112	71537	9.376	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	25316	9.267	ug/l	97
66) Ethyl Benzene	10.25	91	116649	9.072	ug/l	98
67) m/p-Xylenes	10.36	106	90924	18.441	ug/l	97
68) o-Xylene	10.69	106	43880	9.165	ug/l	98
69) Styrene	10.71	104	71346	9.044	ug/l	99
70) Isopropylbenzene	11.02	105	119590	9.348	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	39571	9.365	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	36952m	9.278	ug/l	
73) Bromobenzene	11.26	156	31894	9.377	ug/l	96
74) n-propylbenzene	11.36	91	131941	9.143	ug/l	98
75) 2-Chlorotoluene	11.42	91	81816	9.459	ug/l	94
76) 1,3,5-Trimethylbenzene	11.51	105	97678	9.213	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	9094	7.390	ug/l	91
78) 4-Chlorotoluene	11.51	91	89479	9.150	ug/l	97
79) tert-butylbenzene	12.06	119	101954	8.961	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	99126	9.212	ug/l	98
81) sec-Butylbenzene	11.94	105	115954	9.099	ug/l	99
82) p-Isopropyltoluene	12.06	119	101954	8.961	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	55339	9.139	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	55188	9.109	ug/l	98
85) n-Butylbenzene	12.38	91	81478	8.373	ug/l	99
86) Hexachloroethane	12.60	117	15206	8.202	ug/l	86
87) 1,2-Dichlorobenzene	12.39	146	55680	9.304	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	7430	8.609	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	36794	8.555	ug/l	100
90) Hexachlorobutadiene	13.78	225	20447	8.620	ug/l	98
91) Naphthalene	13.83	128	107983	8.759	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	37835	8.850	ug/l	99

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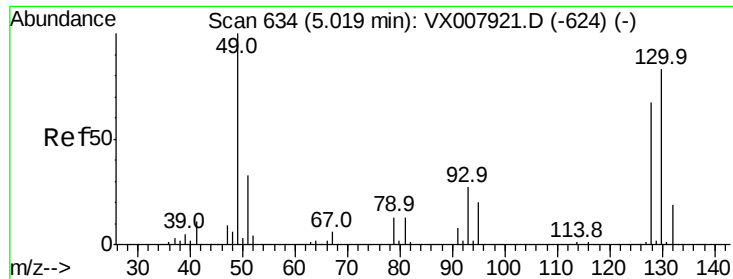
Manual Integrations
APPROVED

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QLast Update : Fri Mar 08 12:01:36 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



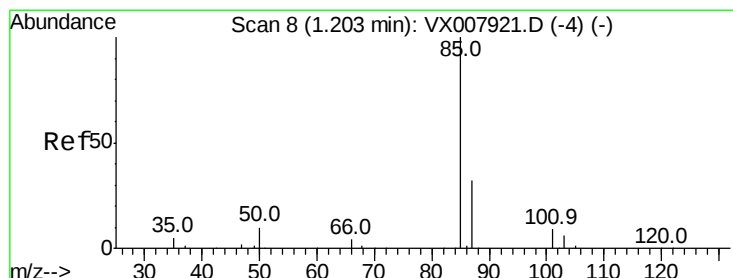
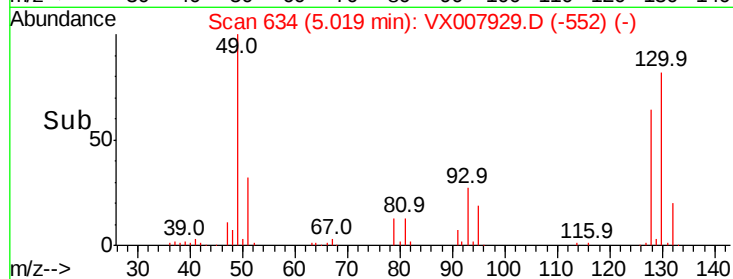
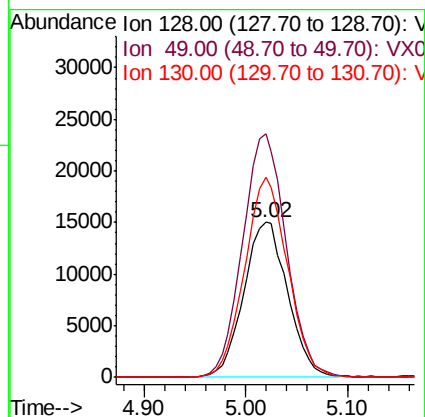
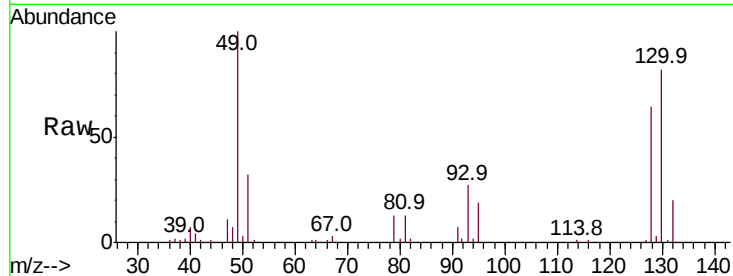
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion:128 Resp: 45056
Ion Ratio Lower Upper
128 100
49 155.8 0.0 350.8
130 126.2 0.0 325.8

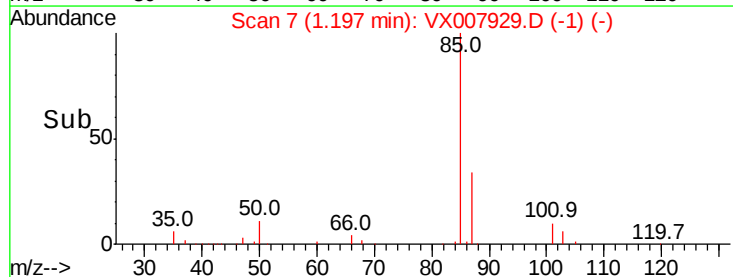
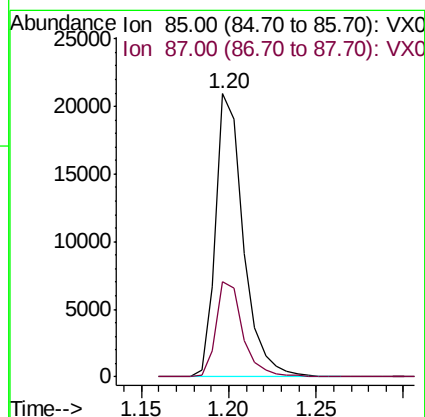
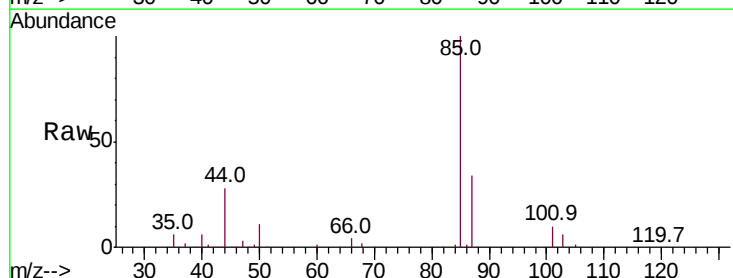
Manual Integrations
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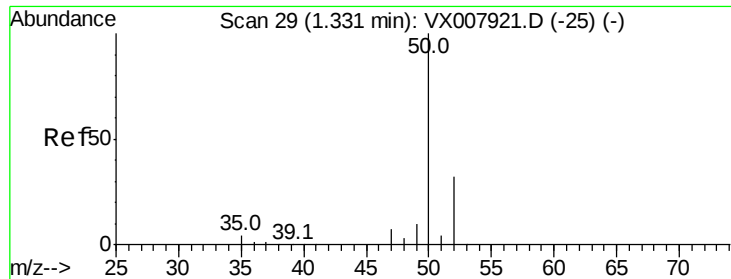
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#2
Dichlorodifluoromethane
Concen: 8.636 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 85 Resp: 23100
Ion Ratio Lower Upper
85 100
87 33.5 16.6 49.8





#3

Chloromethane

Concen: 9.793 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 50 Resp: 29127

Ion Ratio Lower Upper

50 100

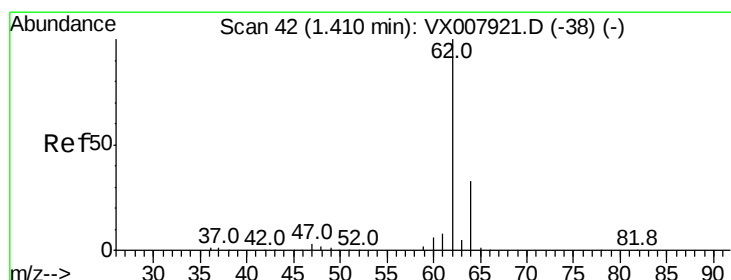
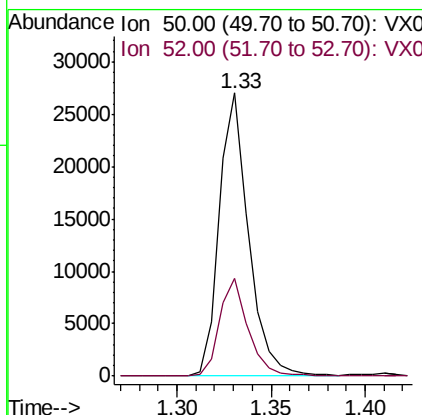
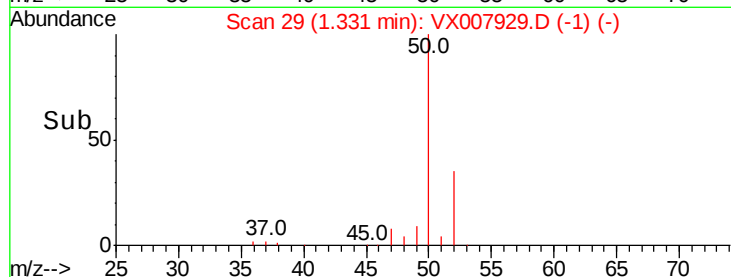
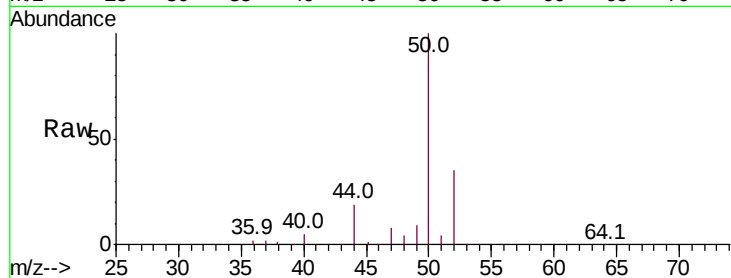
52 34.6 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.104 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007929.D

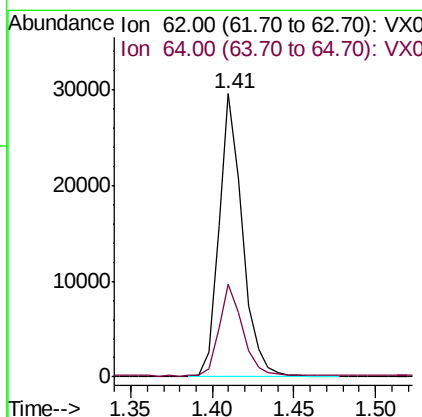
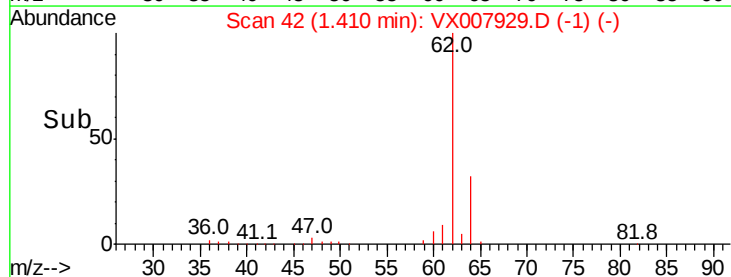
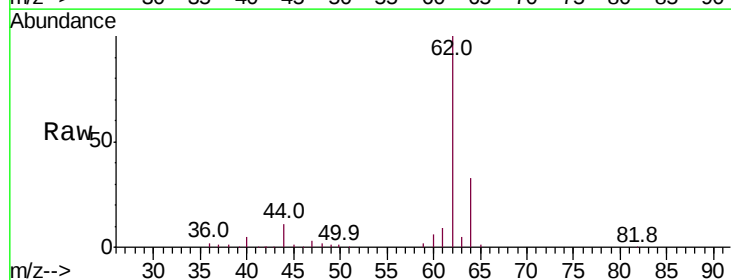
Acq: 08 Mar 2019 14:16

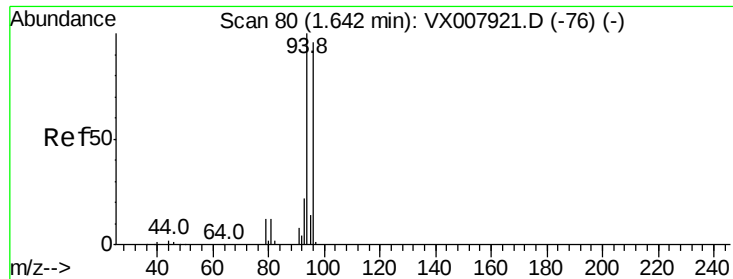
Tgt Ion: 62 Resp: 29770

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 9.879 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 94 Resp: 14511

Ion Ratio Lower Upper

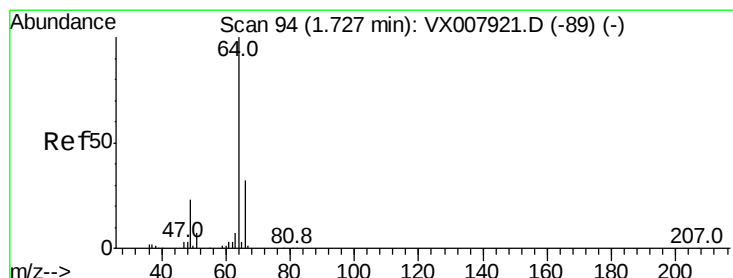
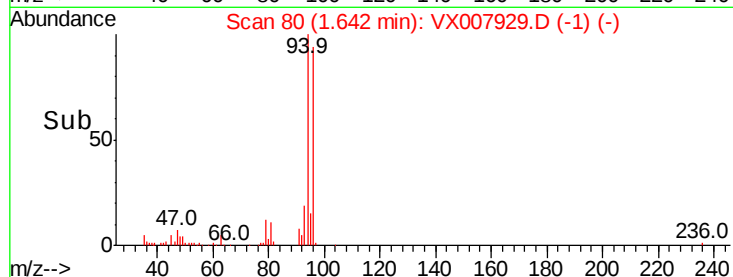
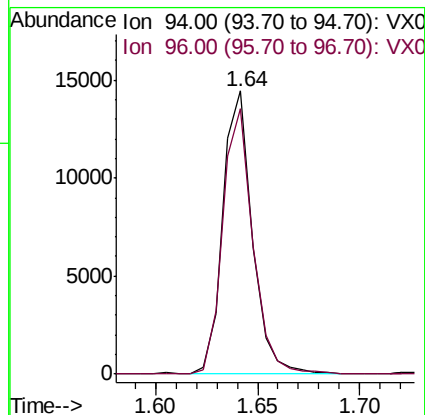
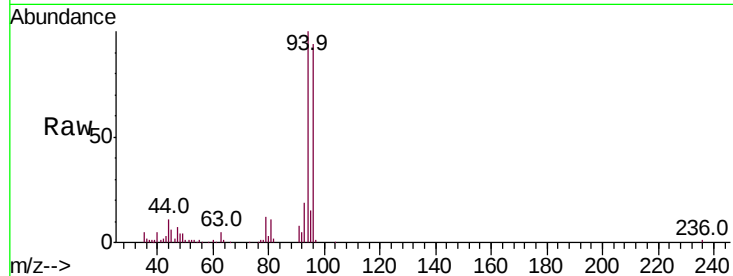
94 100

96 93.8 75.6 113.4

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#6

Chloroethane

Concen: 11.017 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007929.D

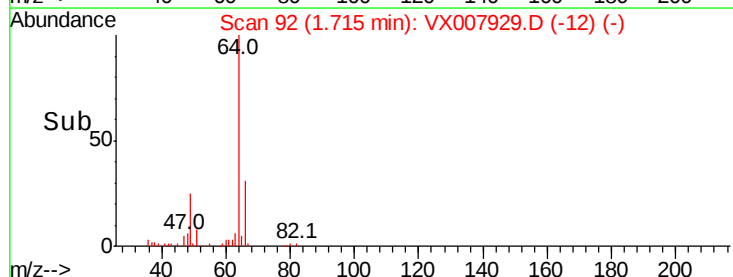
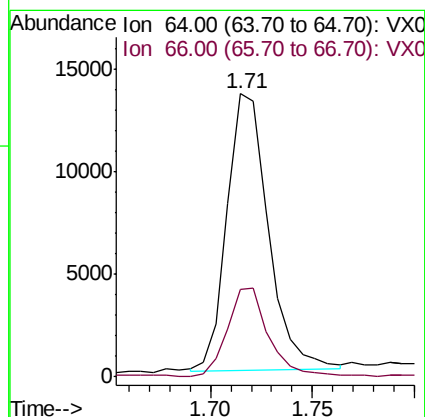
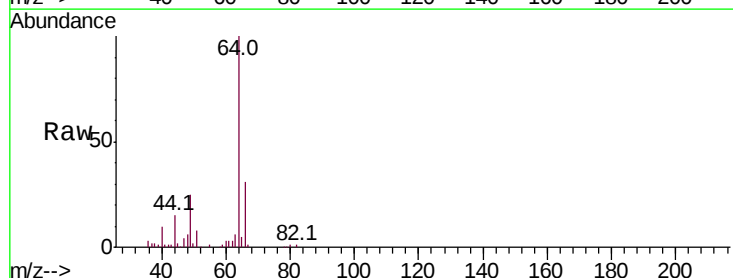
Acq: 08 Mar 2019 14:16

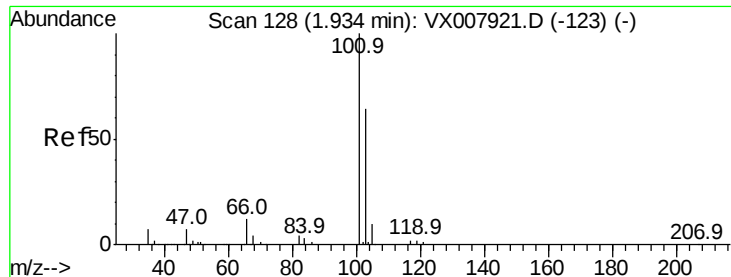
Tgt Ion: 64 Resp: 18957

Ion Ratio Lower Upper

64 100

66 31.9 23.9 35.9





#7

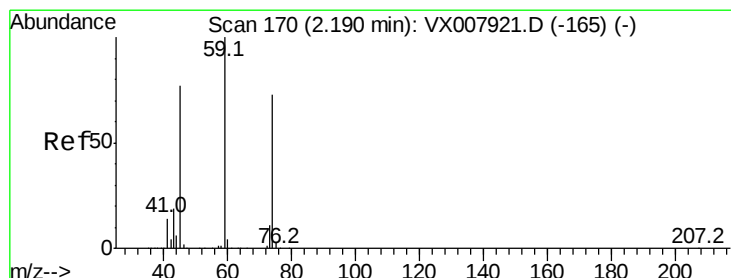
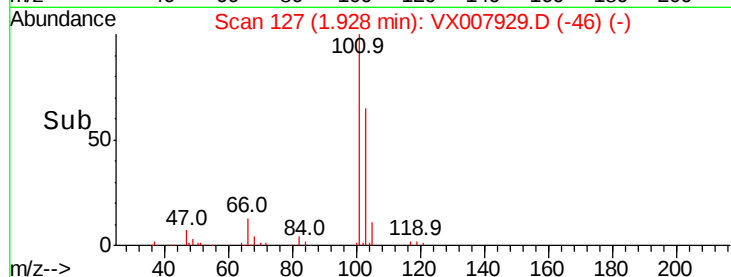
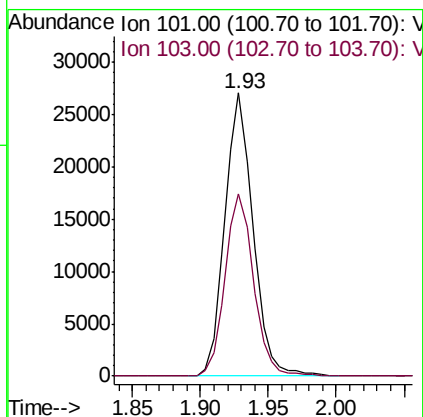
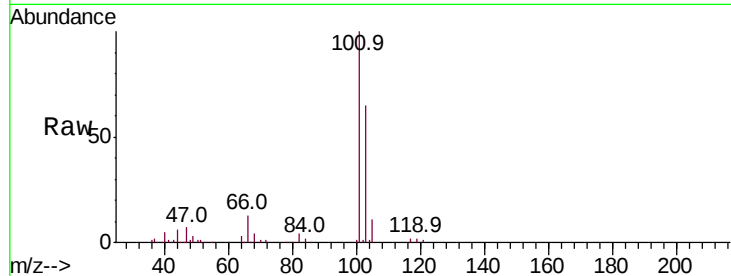
Trichlorofluoromethane
Concen: 10.623 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion:101 Resp: 38975
Ion Ratio Lower Upper
101 100
103 64.5 50.4 75.6

Manual Integrations
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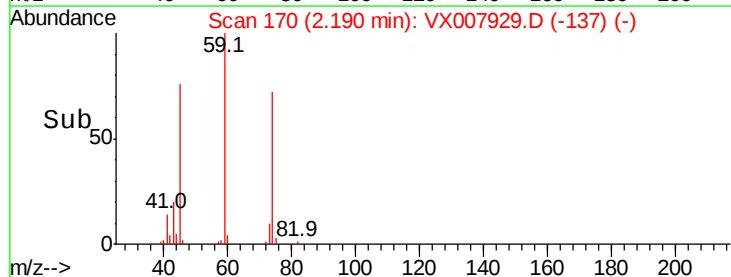
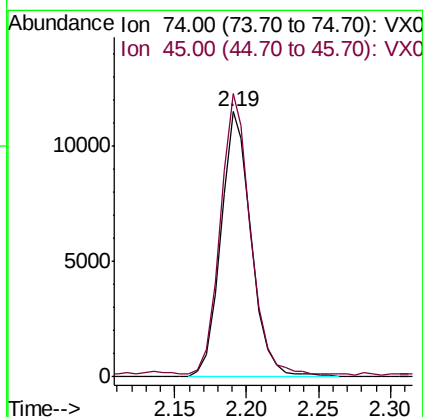
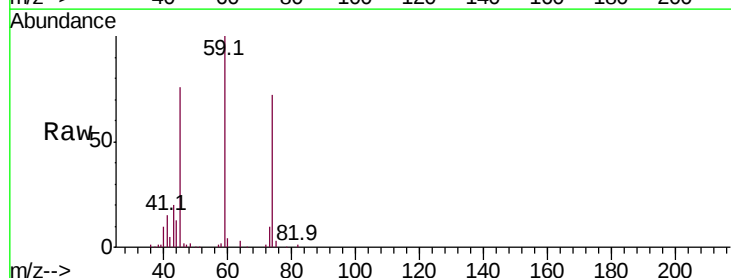
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3/11/2019 12:01:51 PM

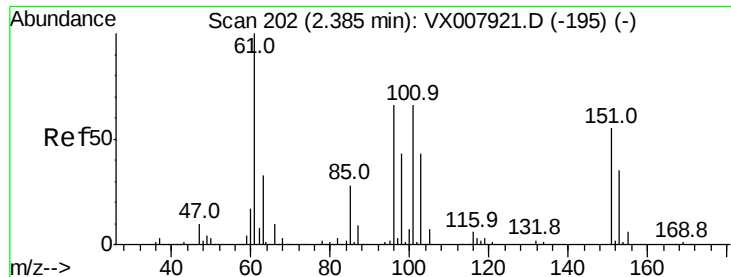


#8

Diethyl Ether
Concen: 8.995 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 74 Resp: 16996
Ion Ratio Lower Upper
74 100
45 105.0 18.6 167.8





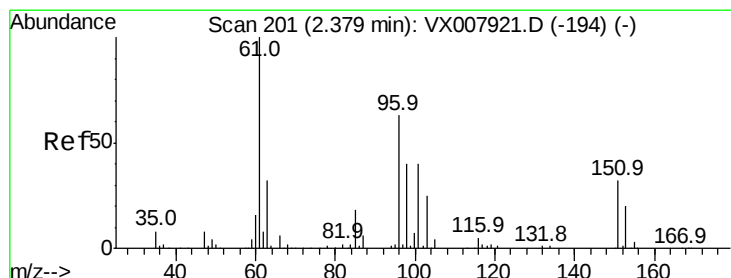
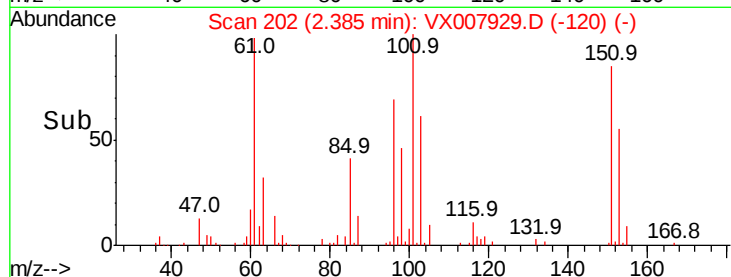
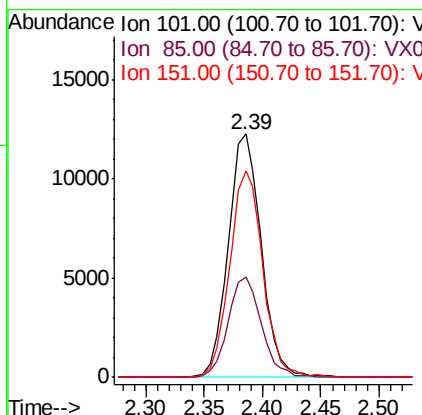
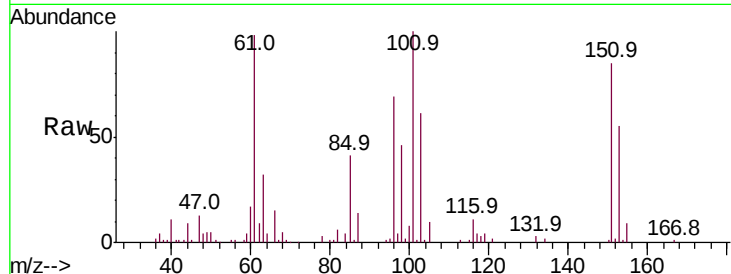
#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.775 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	24203		
85	41.7	0.0	86.8	
151	84.6	0.0	169.2	

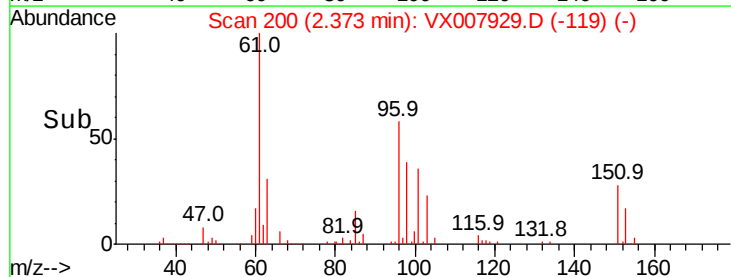
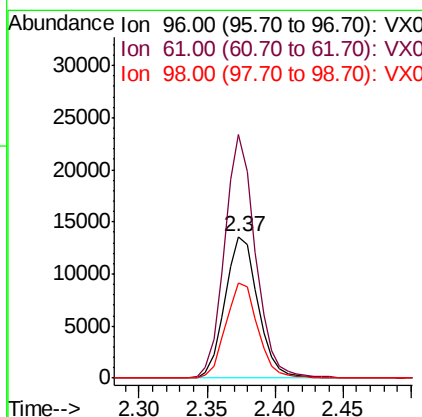
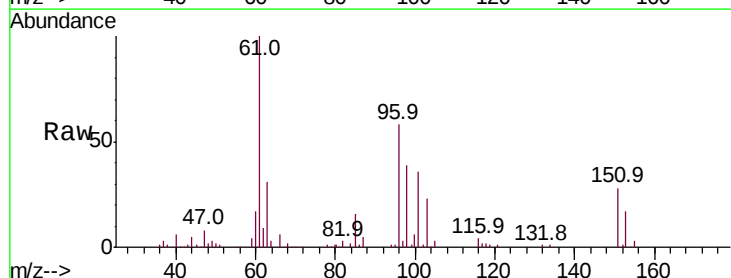
Manual Integrations
APPROVED

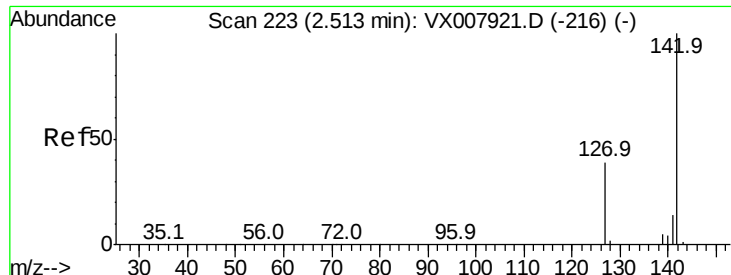
MMDadoda
3/11/2019 12:01:51 PM



#10
1,1-Dichloroethene
Concen: 8.770 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22928		
61	171.7	120.2	180.2	
98	67.4	49.0	73.4	





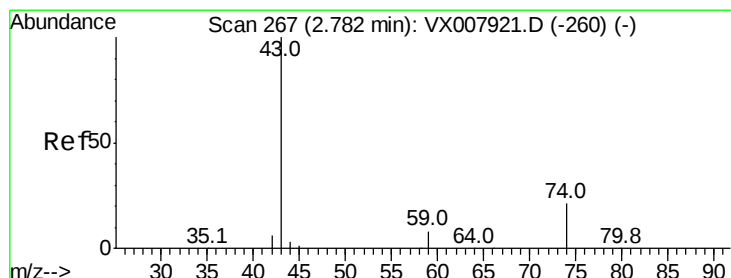
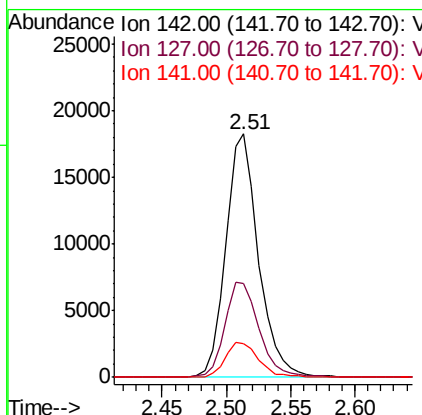
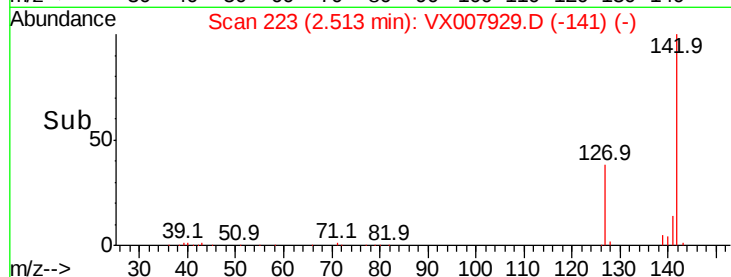
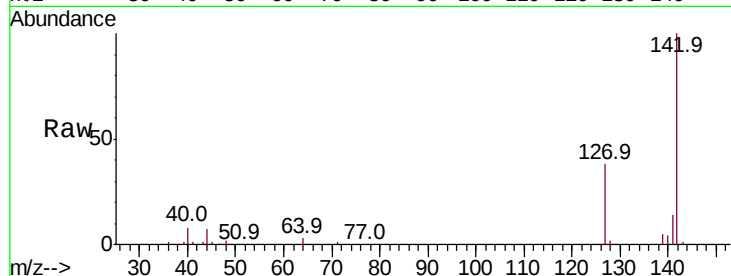
#11
Methyl Iodide
Concen: 7.920 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	22.1	66.5
141	13.8	7.4	22.3

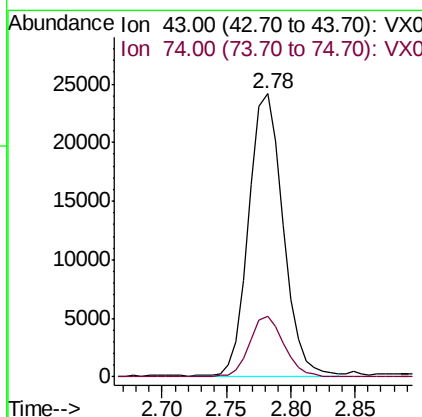
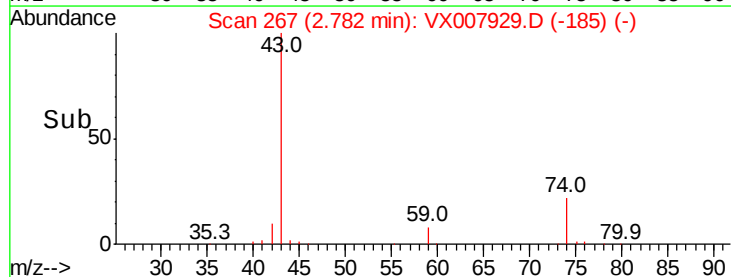
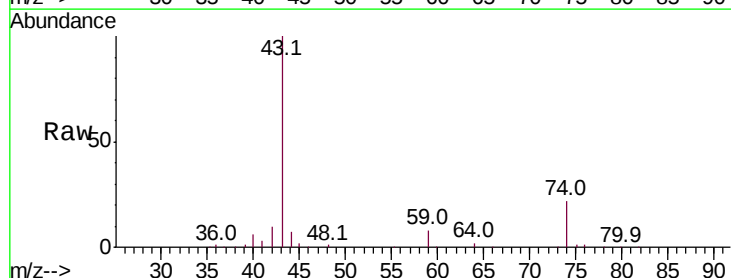
Manual Integrations
APPROVED

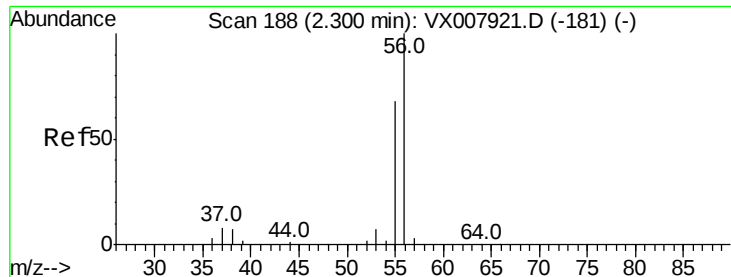
MMDadoda
3/11/2019 12:01:51 PM



#12
Methyl Acetate
Concen: 10.707 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	19.4	29.0





#13

Acrolein

Concen: 50.046 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 56 Resp: 24277

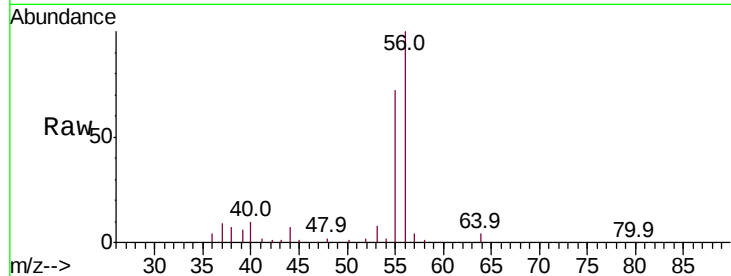
Ion Ratio Lower Upper

56 100

55 73.6 58.6 87.8

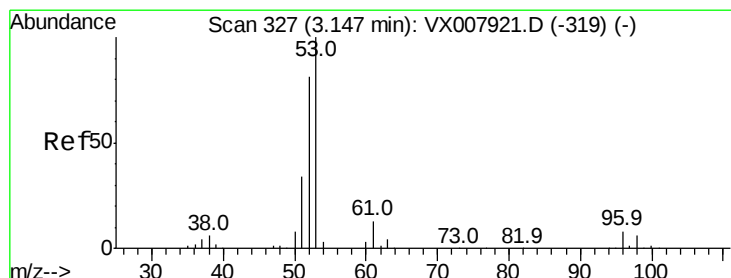
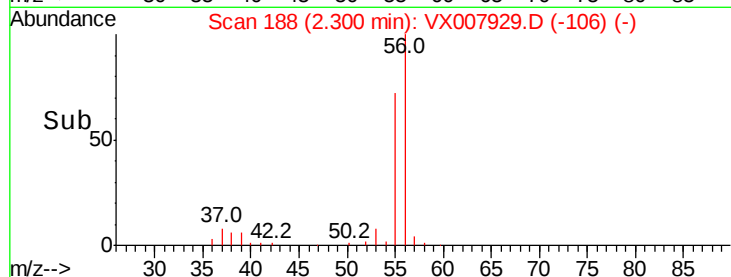
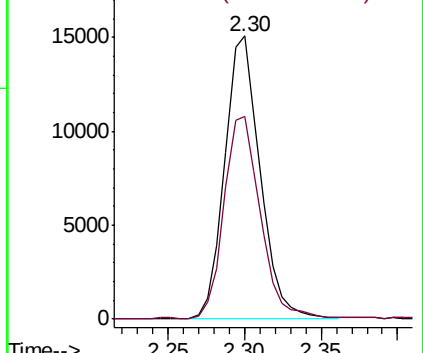
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 45.778 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

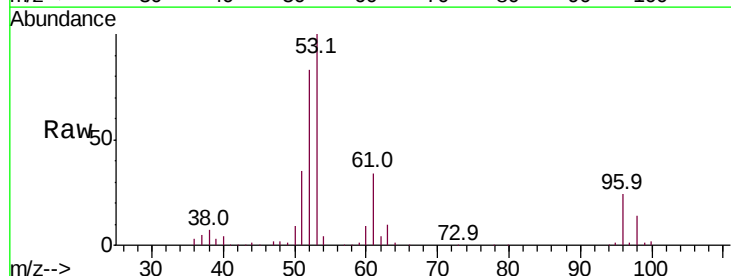
Tgt Ion: 53 Resp: 80351

Ion Ratio Lower Upper

53 100

52 82.6 41.3 124.1

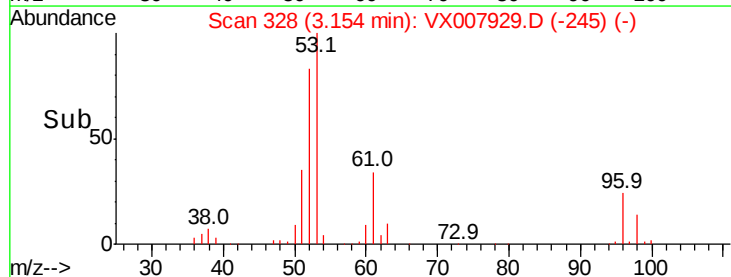
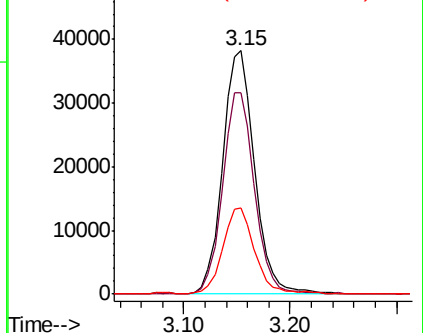
51 34.5 17.5 52.6

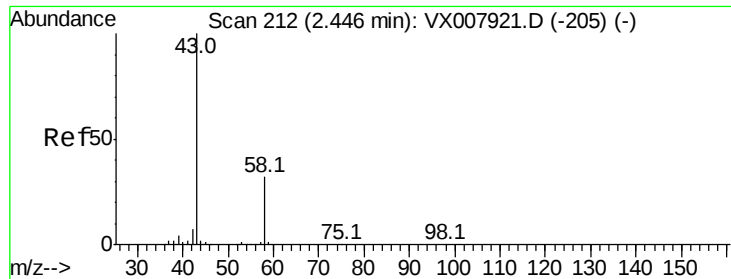


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 37.621 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 58 Resp: 23841

Ion Ratio Lower Upper

58 100

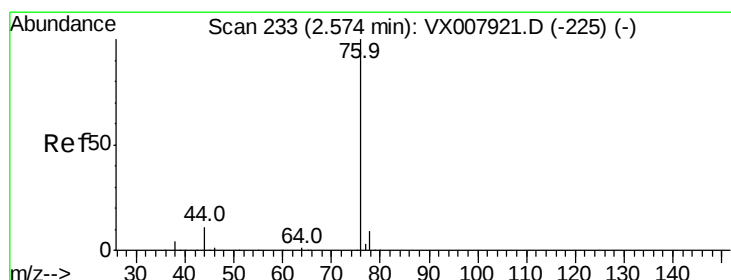
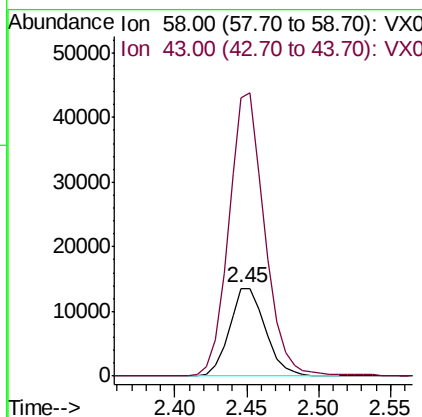
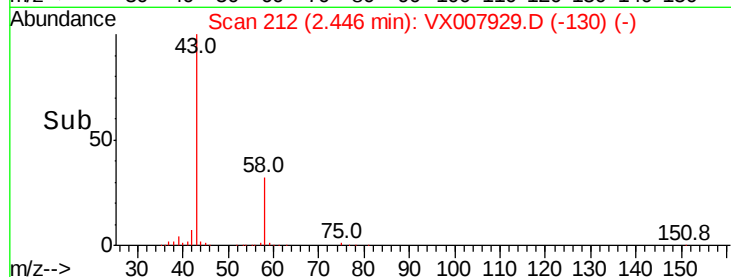
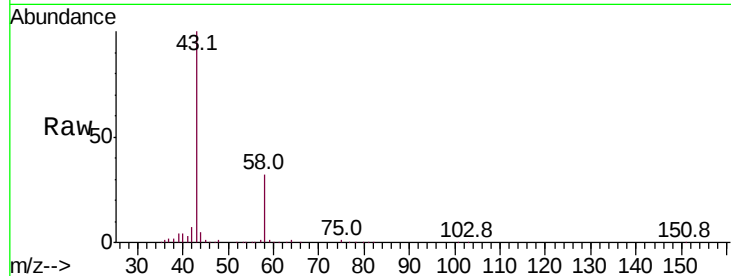
43 316.0 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 8.436 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007929.D

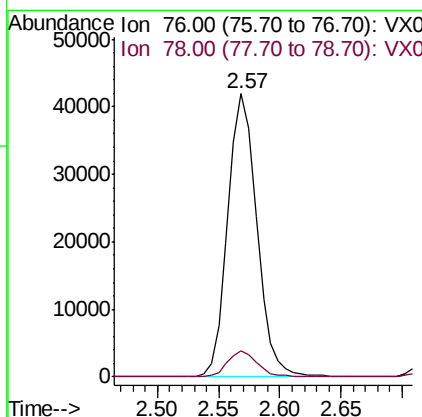
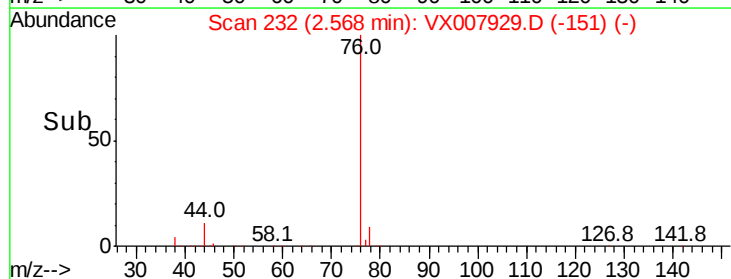
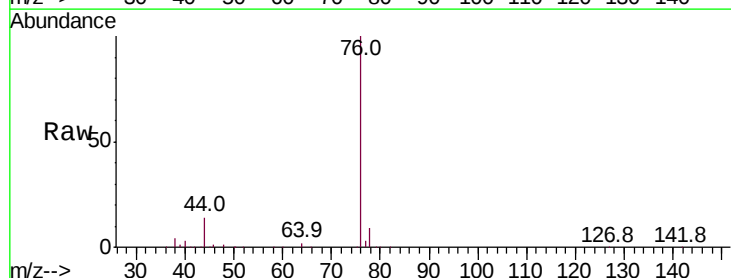
Acq: 08 Mar 2019 14:16

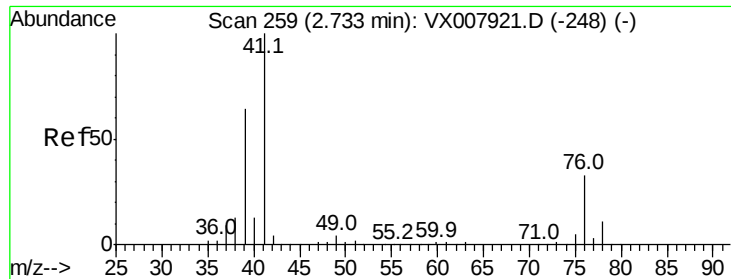
Tgt Ion: 76 Resp: 69196

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





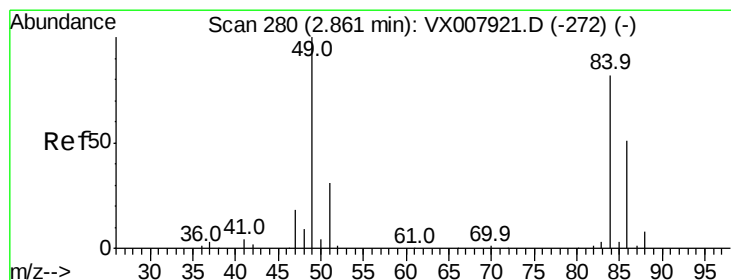
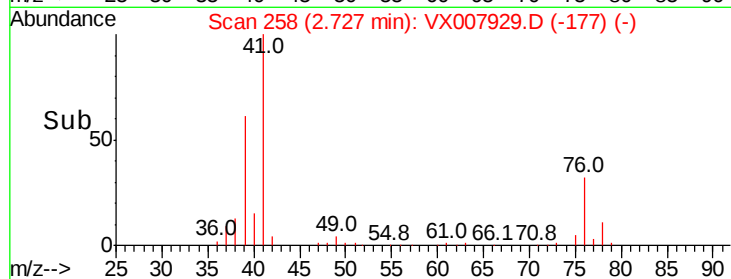
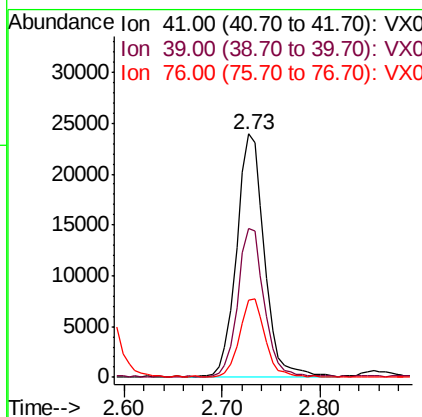
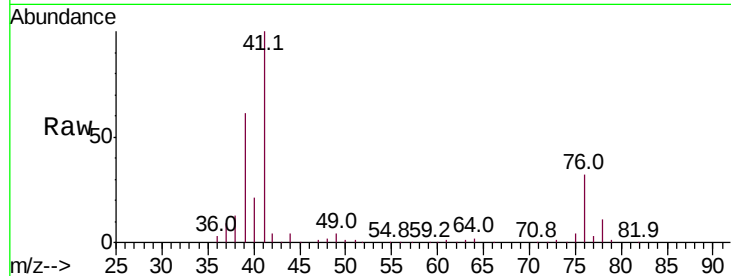
#17
Allvl chloride
Concen: 8.739 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	35.8	107.4
76	31.6	18.3	54.9

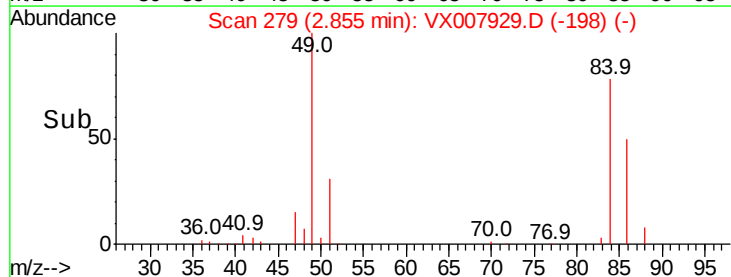
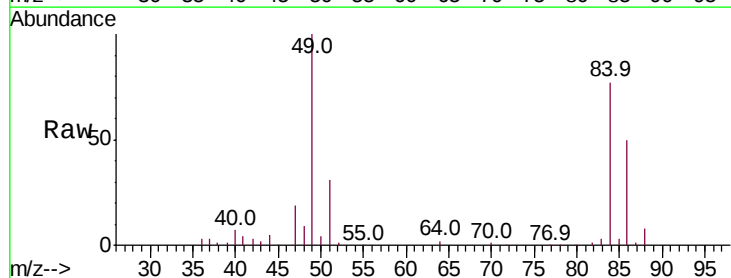
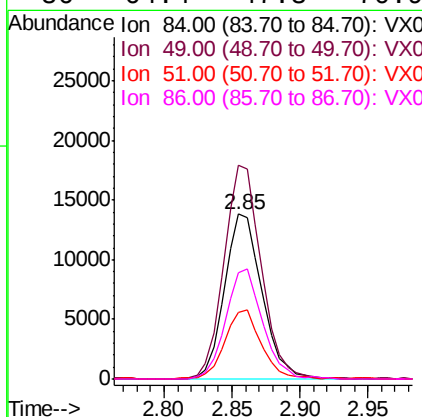
Manual Integrations
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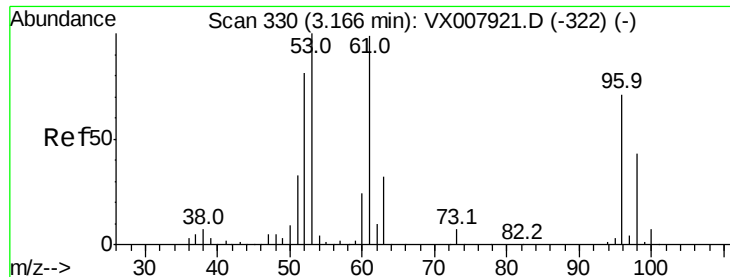
MMDadoda
3/11/2019 12:01:51 PM



#18
Methylene Chloride
Concen: 8.906 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.1	96.1	144.1
51	39.9	29.1	43.7
86	64.4	47.3	70.9





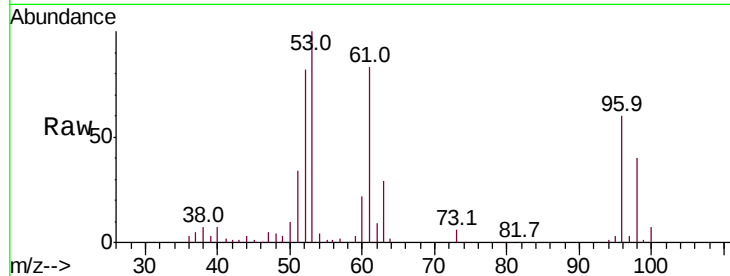
#19
trans-1,2-Dichloroethene
Concen: 9.119 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

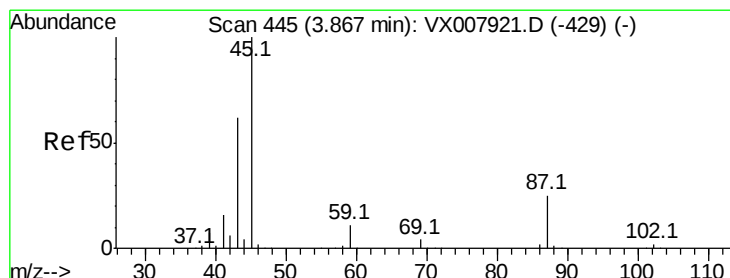
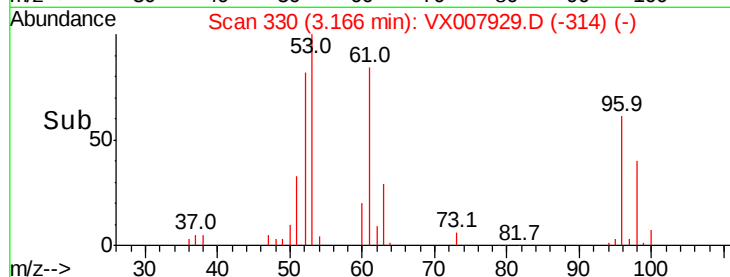
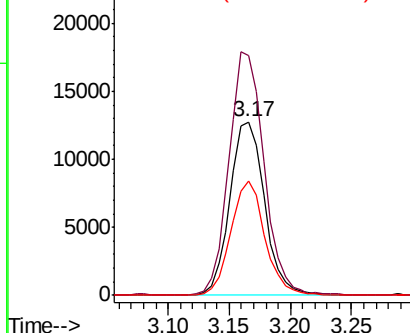
Tot Ion: 96 Resp: 25225
Ion Ratio Lower Upper
96 100
61 138.4 109.9 164.9
98 65.8 50.4 75.6

Manual Integrations
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3/11/2019 12:01:51 PM



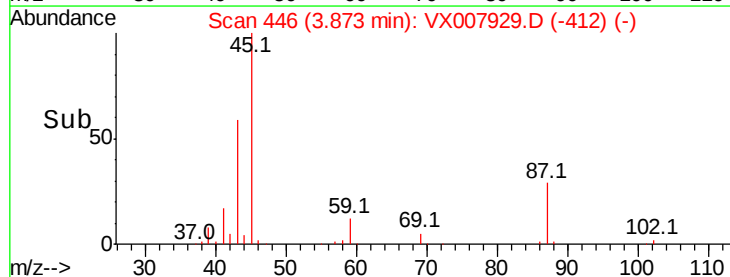
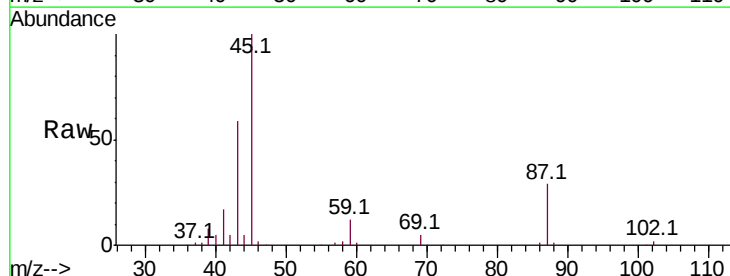
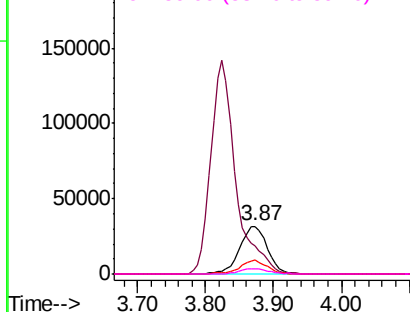
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

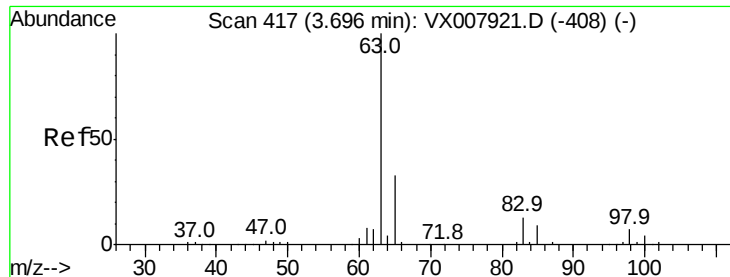


#20
Diisopropyl ether
Concen: 9.192 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 45 Resp: 90133
Ion Ratio Lower Upper
45 100
43 58.4 50.6 76.0
87 29.2 24.5 36.7
59 12.1 10.2 15.2

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





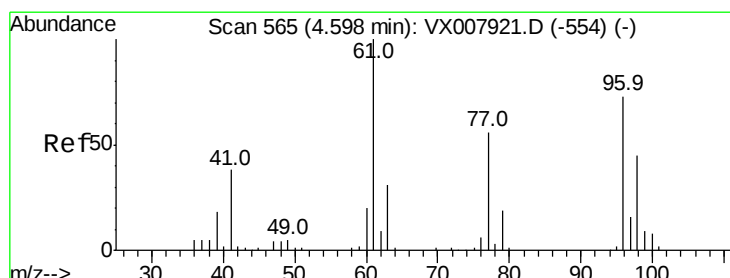
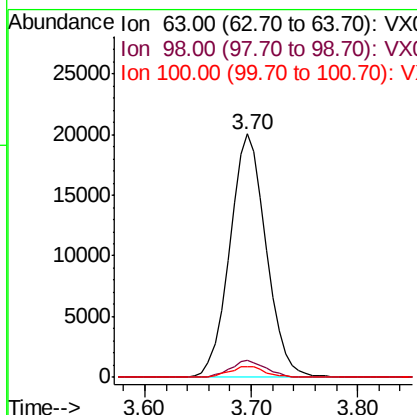
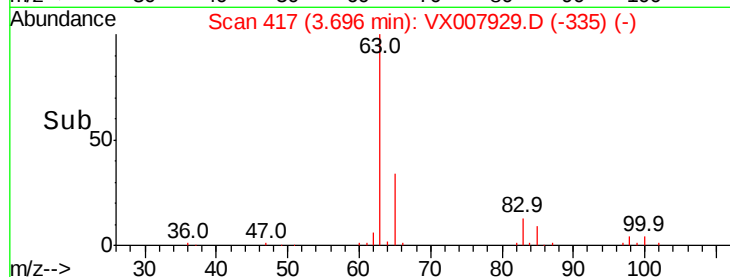
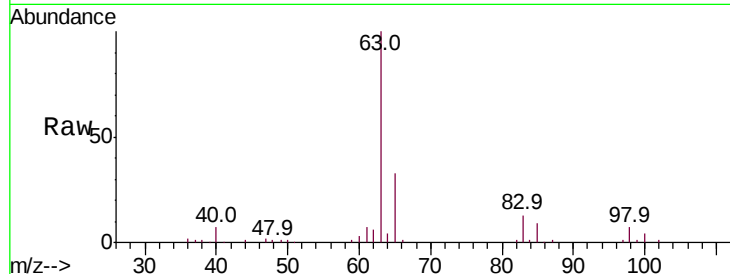
#21
 1,1-Dichloroethane
 Concen: 8.976 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion:	63	Resp:	47871
Ion Ratio	Lower	Upper	
63	100		
98	7.2	3.8	11.4
100	4.4	2.4	7.1

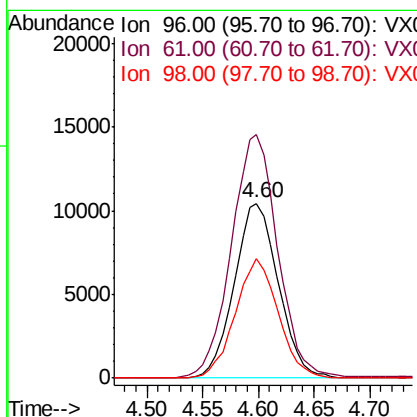
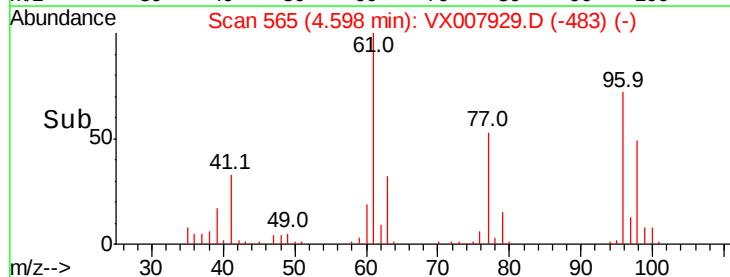
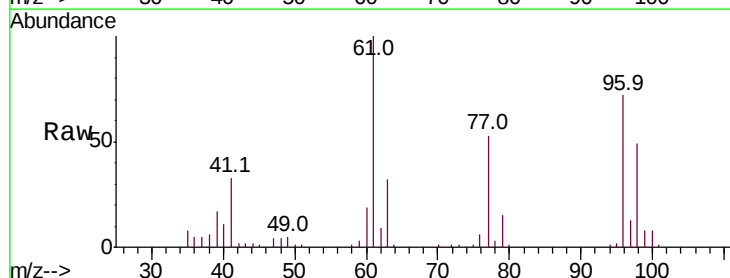
Manual Integrations
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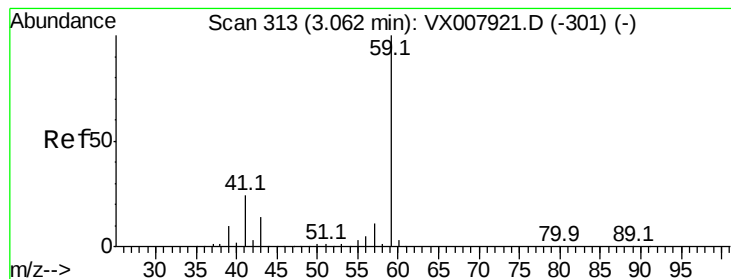
MMDadoda
 3/11/2019 12:01:51 PM



#22
 cis-1,2-Dichloroethene
 Concen: 8.996 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion:	96	Resp:	28706
Ion Ratio	Lower	Upper	
96	100		
61	146.9	103.5	155.3
98	66.3	52.1	78.1





#23

tert-Butyl Alcohol

Concen: 43.877 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 59 Resp: 31070

Ion Ratio Lower Upper

59 100

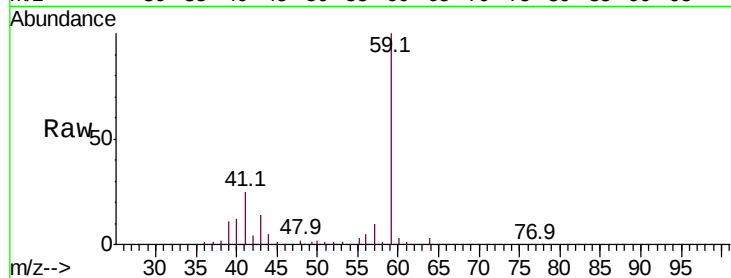
52 0.2 0.2 0.2

Manual Integrations

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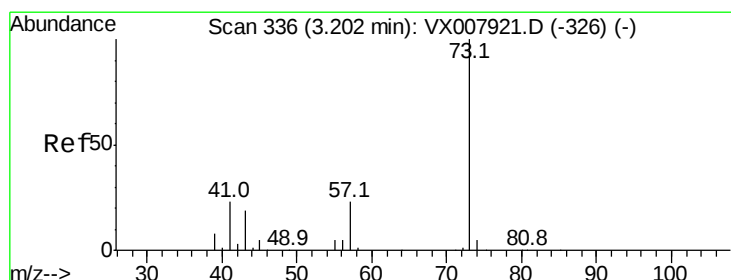
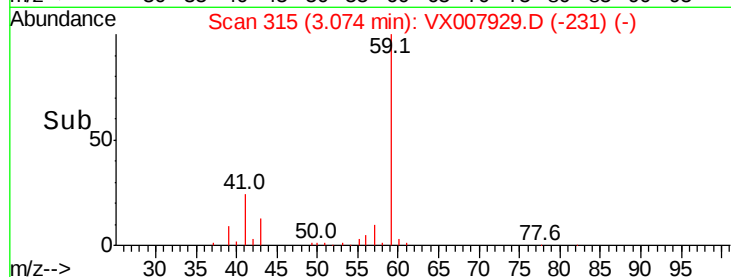
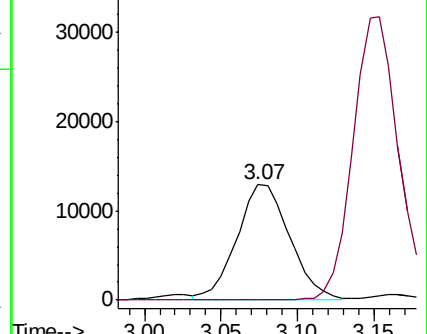
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#24

Methyl tert-Butyl Ether

Concen: 9.037 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007929.D

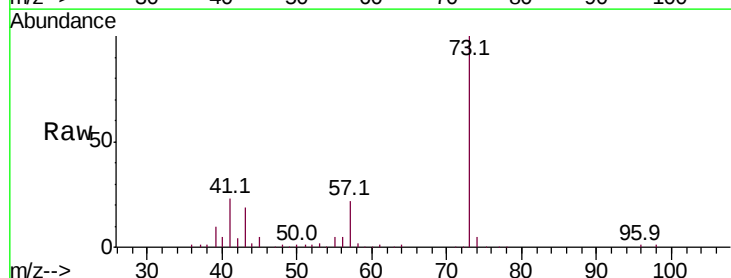
Acq: 08 Mar 2019 14:16

Tgt Ion: 73 Resp: 81235

Ion Ratio Lower Upper

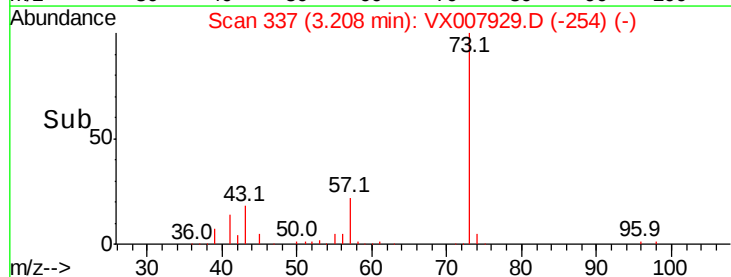
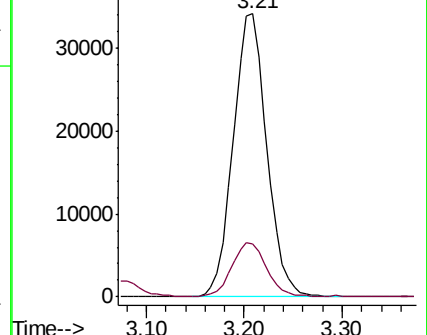
73 100

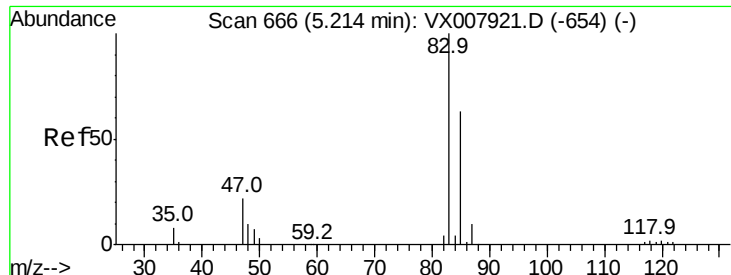
43 18.8 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





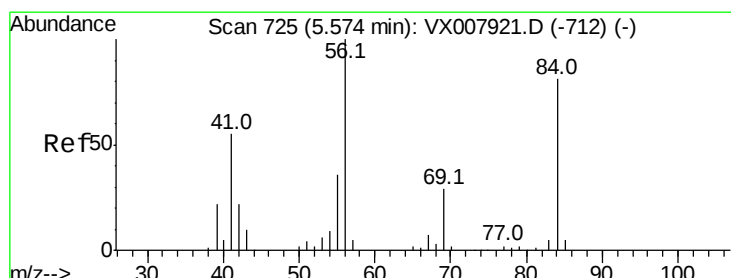
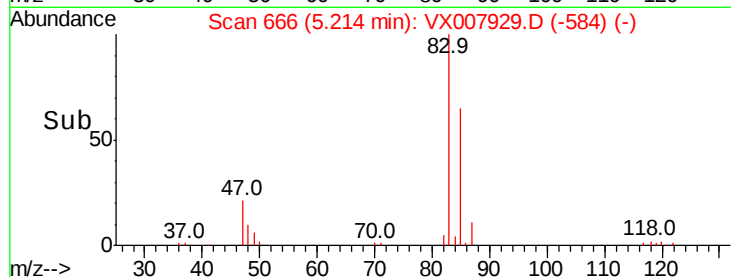
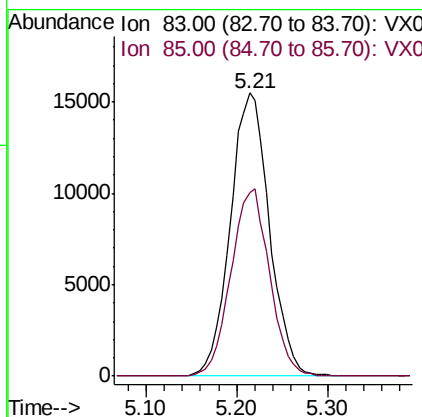
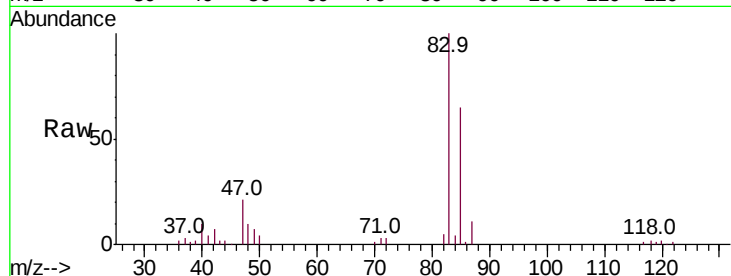
#25
Chloroform
Concen: 9.184 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	83	Resp	46231
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.8	80.6

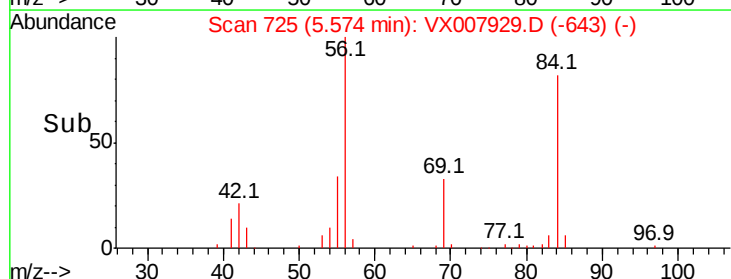
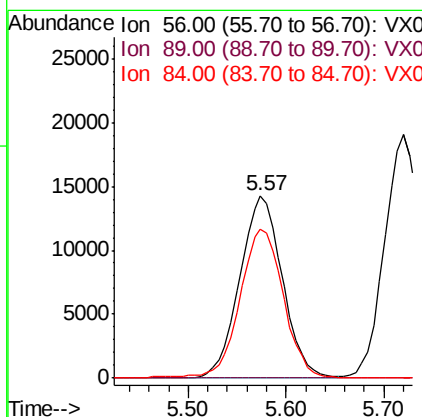
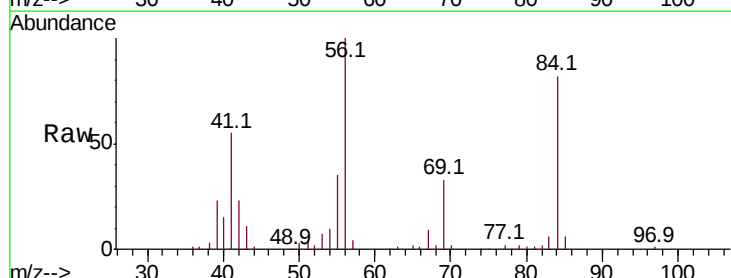
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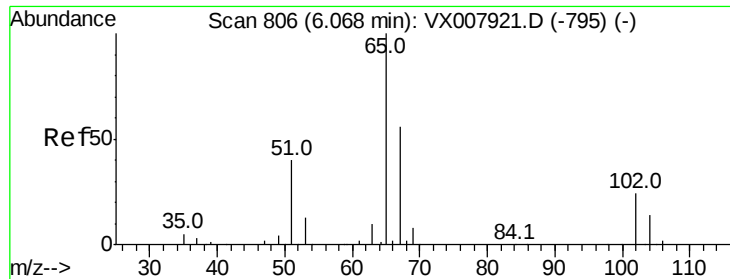
MMDadoda
3/11/2019 12:01:51 PM



#26
Cyclohexane
Concen: 8.768 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	56	Resp	43209
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	82.6	73.9	110.9





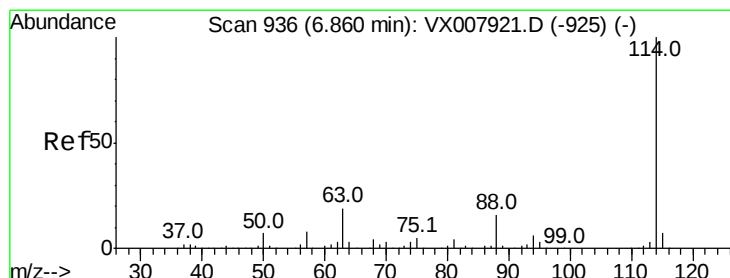
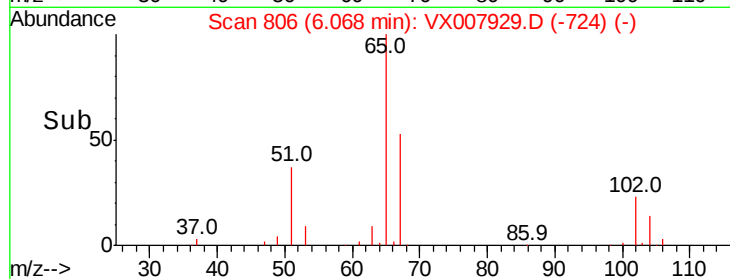
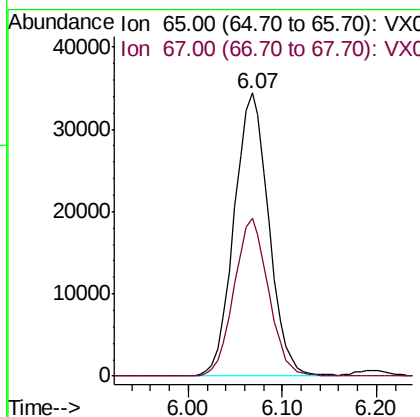
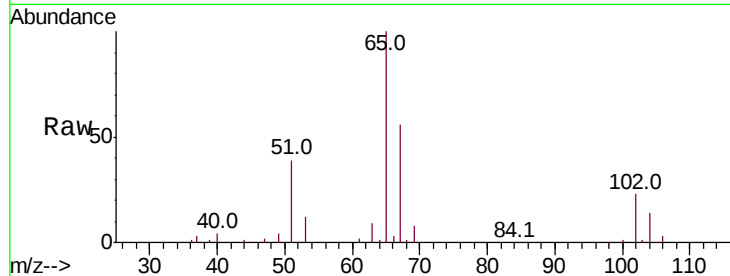
#27
 1,2-Dichloroethane-d4
 Concen: 29.851 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	42.9	64.3

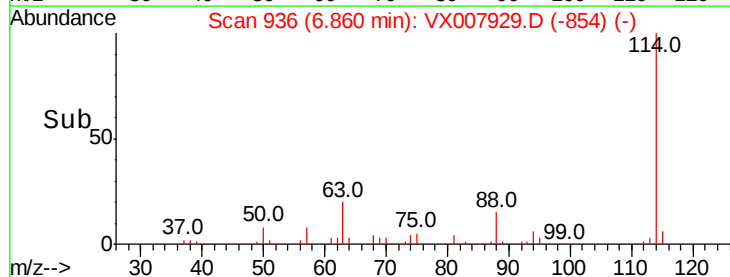
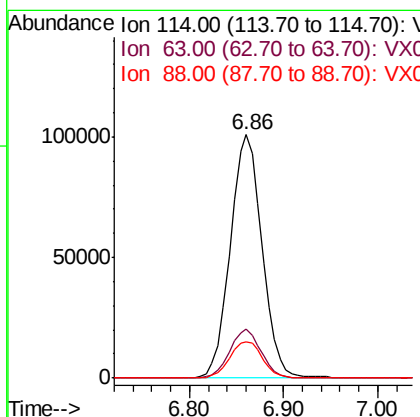
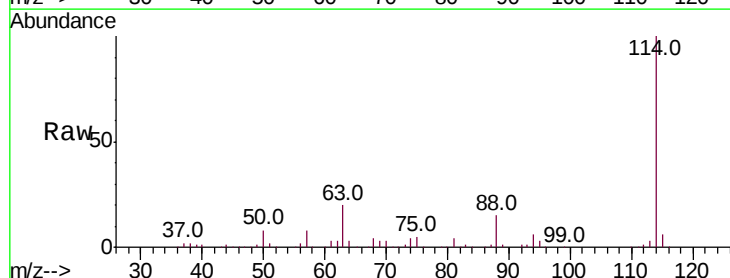
Manual Integrations
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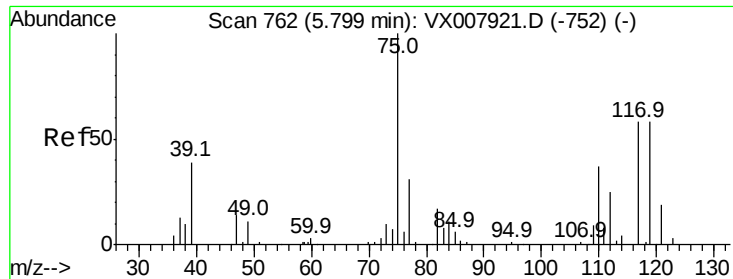
MMDadoda
 3/11/2019 12:01:51 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	14.2	21.4
88	15.5	11.9	17.9





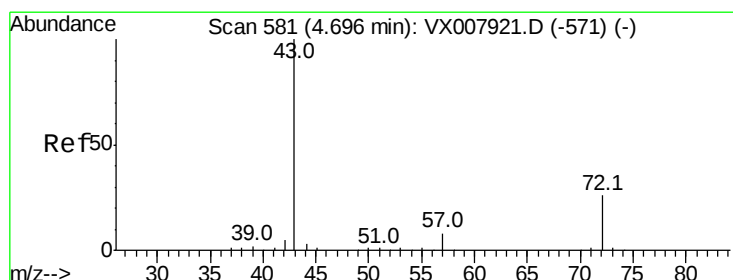
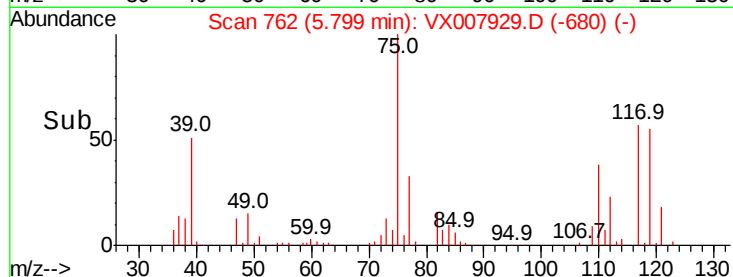
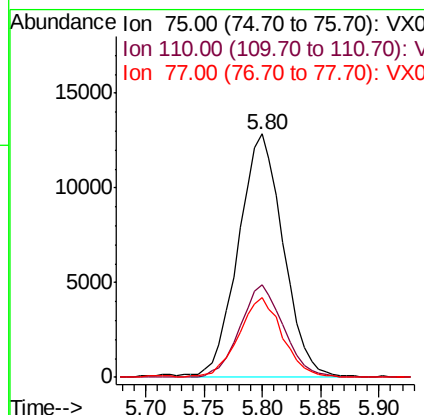
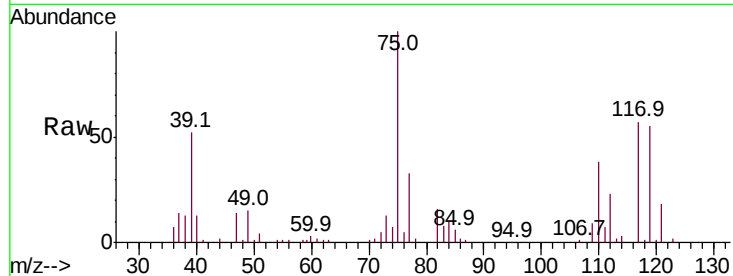
#29
 1,1-Dichloropropene
 Concen: 9.204 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.8	0.0	80.8
77	31.8	0.0	62.4

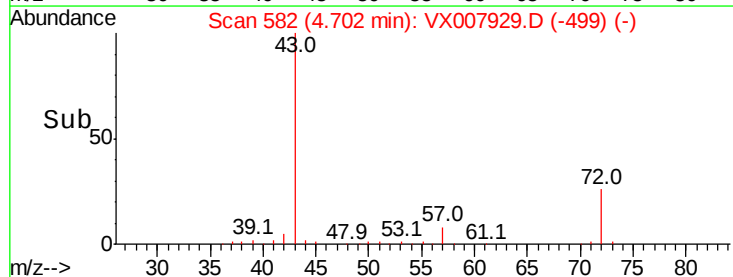
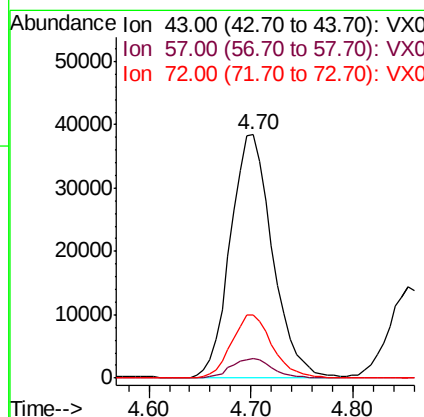
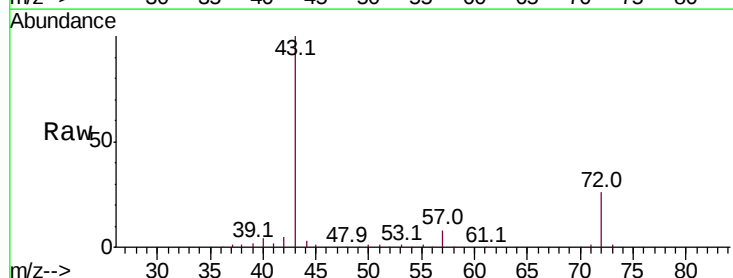
Manual Integrations
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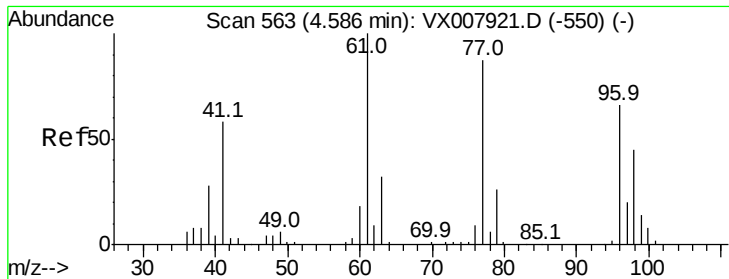
MMDadoda
 3/11/2019 12:01:51 PM



#30
 2-Butanone
 Concen: 43.152 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	7.0	10.6
72	25.7	21.5	32.3





#31

2,2-Dichloropropane

Concen: 8.527 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 77 Resp: 29546

Ion Ratio Lower Upper

77 100

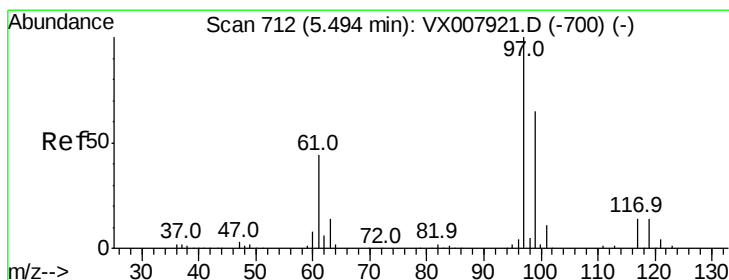
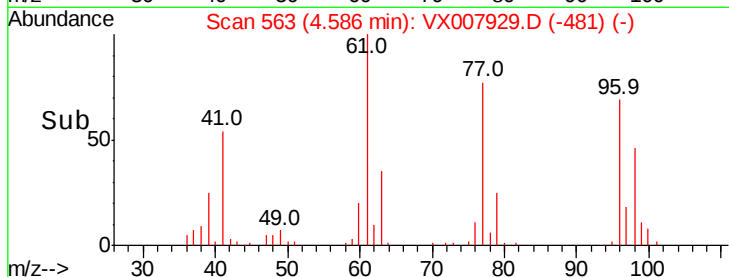
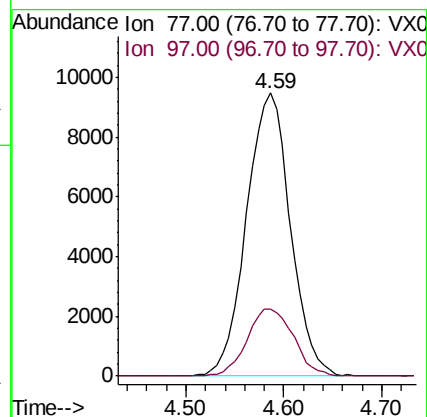
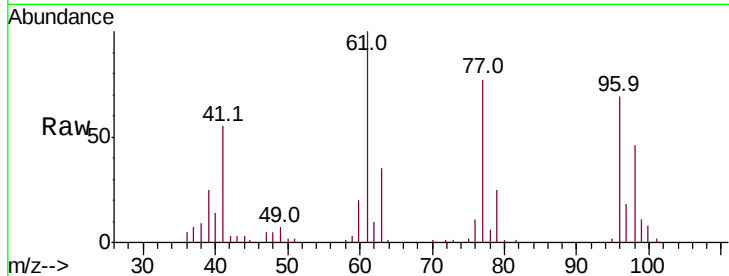
97 25.1 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 9.118 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

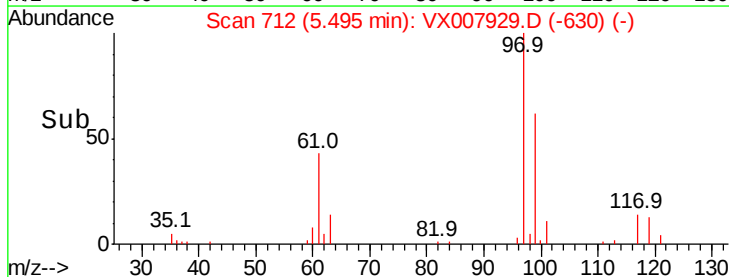
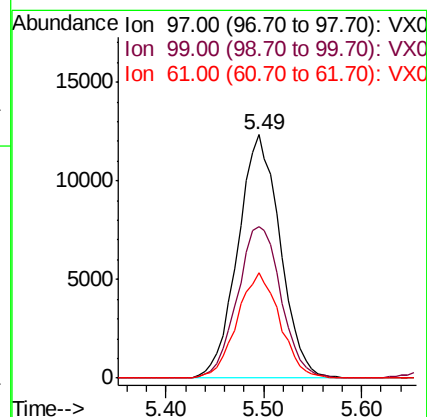
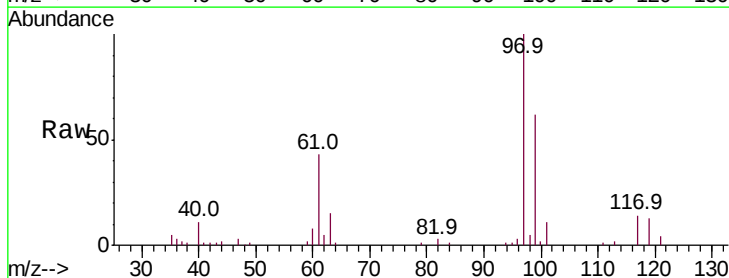
Tgt Ion: 97 Resp: 36986

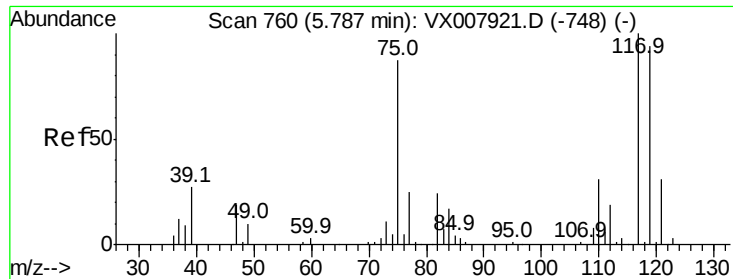
Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 43.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 8.925 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

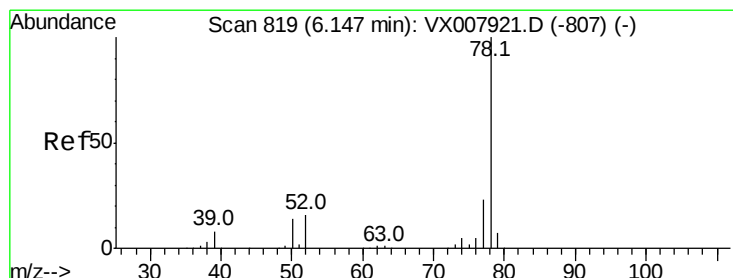
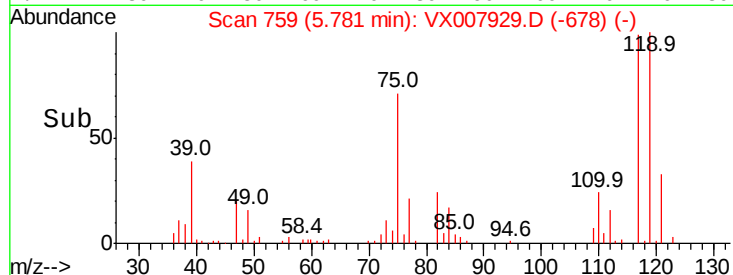
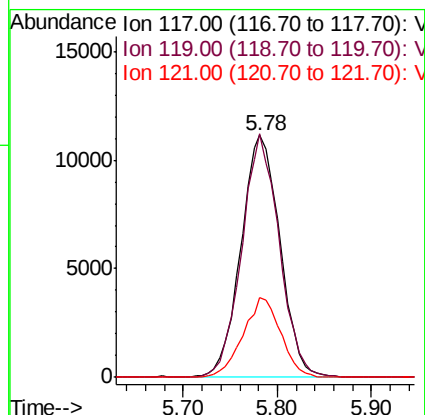
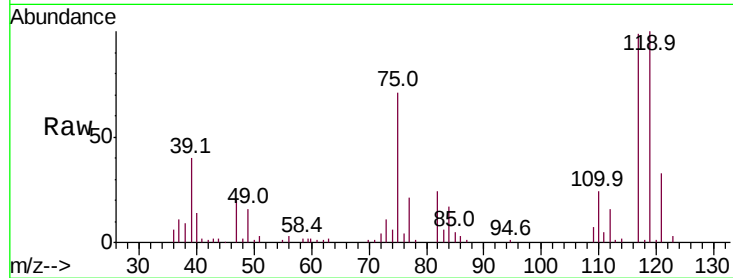
LOQ-WATER-02-QT1-2019

Tot Ion:117 Resp: 32114

Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.1	117.1
121	33.1	27.0	40.6

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#34

Benzene

Concen: 9.414 ug/l

RT: 6.14 min Scan# 818

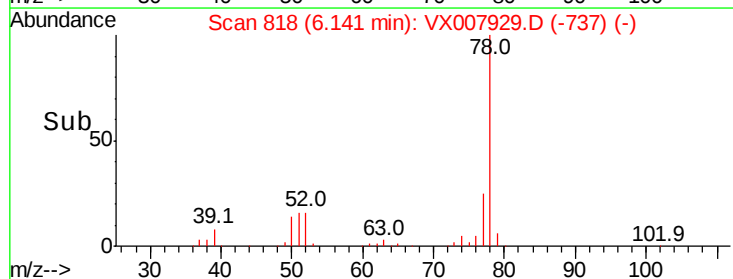
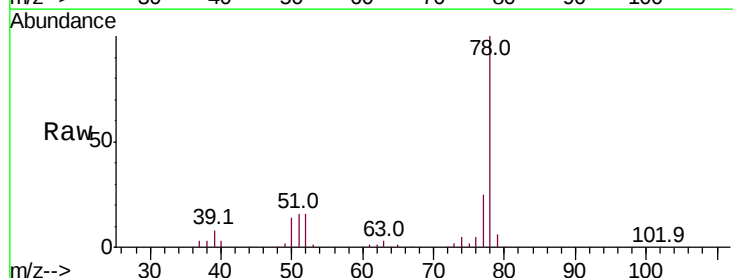
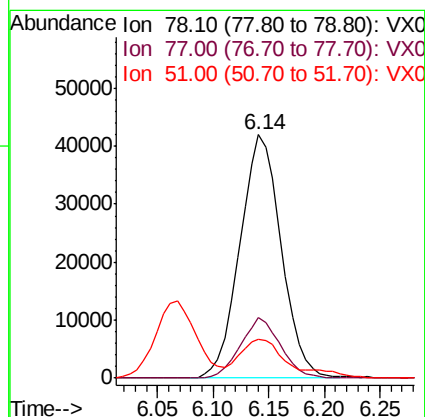
Delta R.T. -0.01 min

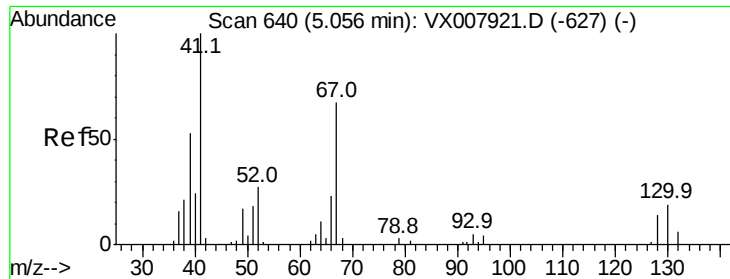
Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Tgt Ion: 78 Resp: 108223

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.1	28.7
51	13.8	10.8	16.2





#35

Methacrylonitrile

Concen: 9.418 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX007929.D

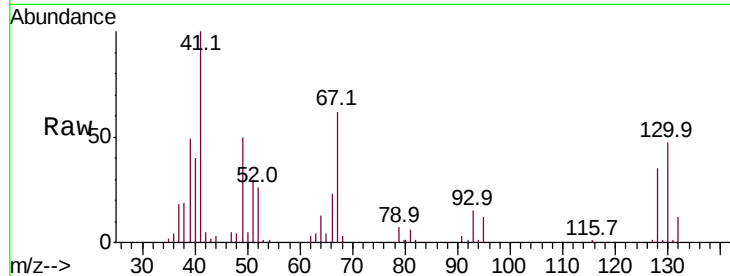
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	48.5	27.4	82.0	
67	61.5	37.9	113.6	
52	26.4	13.3	39.9	

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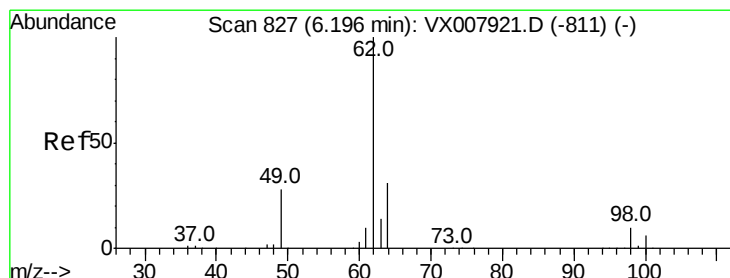
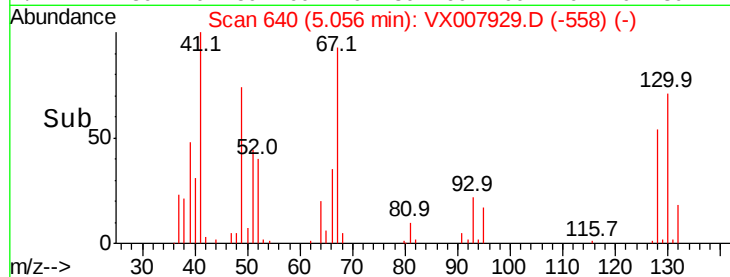
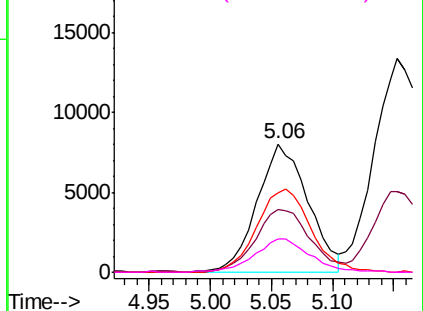
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 9.582 ug/l

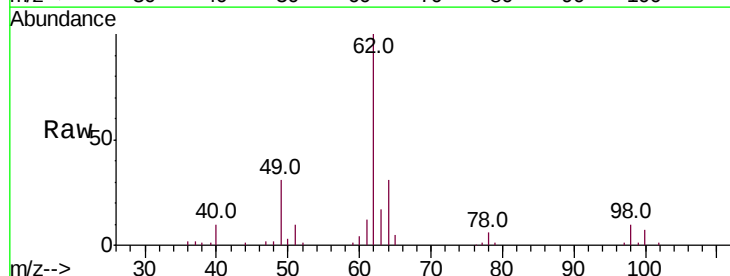
RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

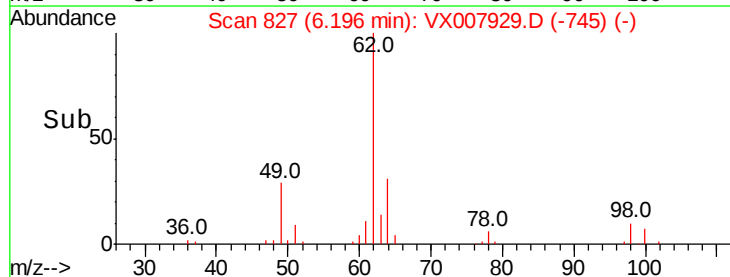
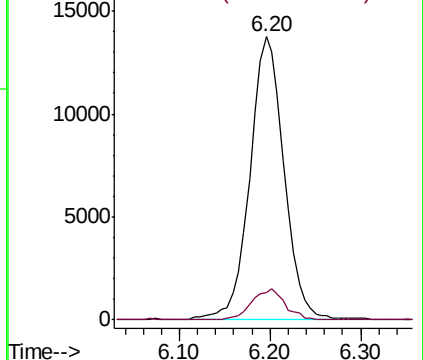
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	7.8	11.8	

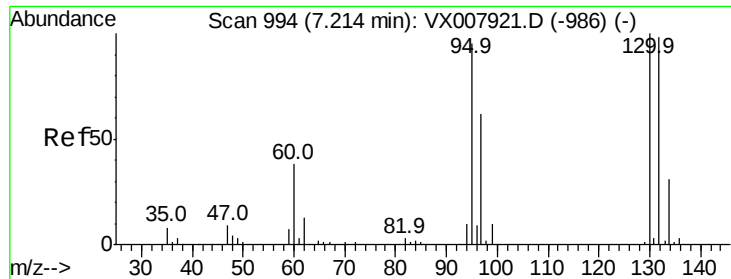


Abundance

Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





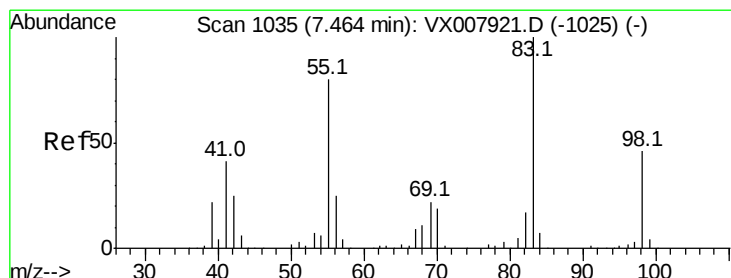
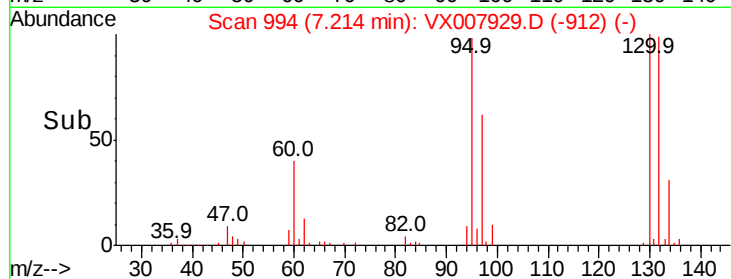
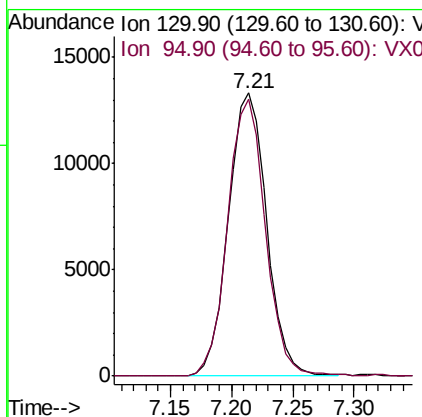
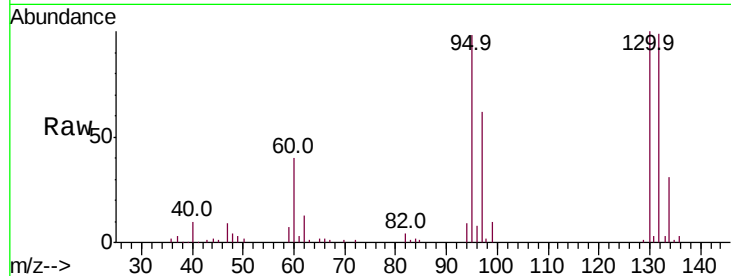
#37
 Trichloroethene
 Concen: 9.287 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion:130 Resp: 28927
 Ion Ratio Lower Upper
 130 100
 95 97.8 71.3 106.9

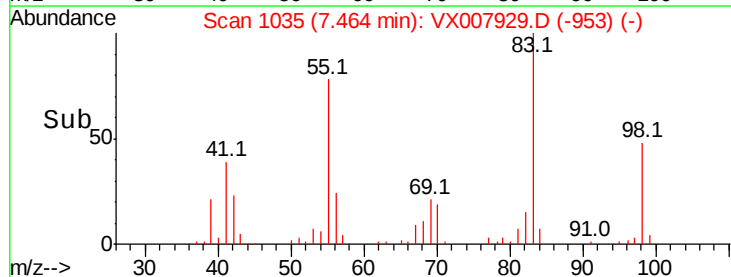
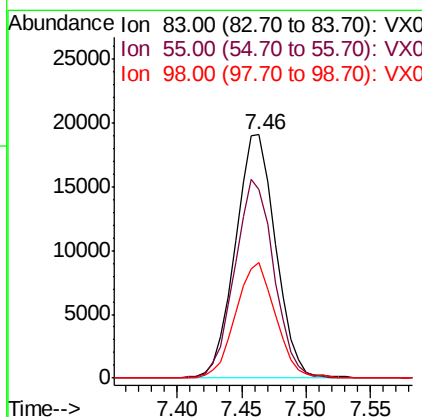
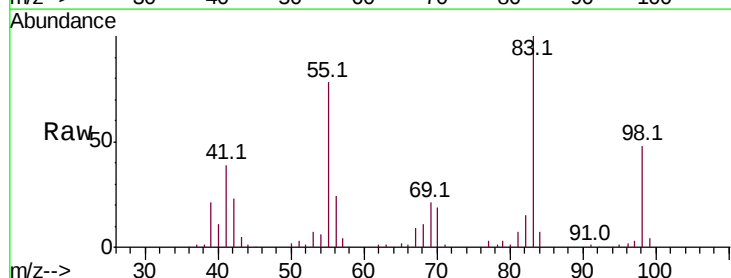
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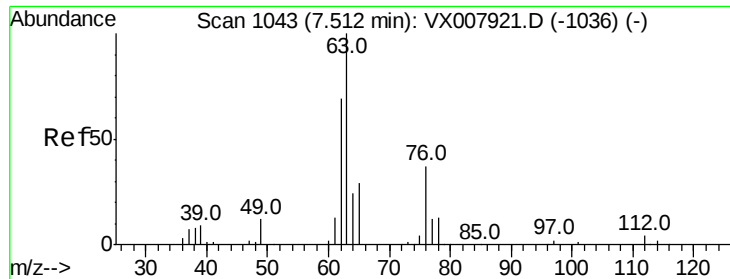
MMDadoda
 3/11/2019 12:01:51 PM



#38
 Methylcyclohexane
 Concen: 8.719 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 83 Resp: 41585
 Ion Ratio Lower Upper
 83 100
 55 79.2 36.0 108.0
 98 46.4 23.8 71.4





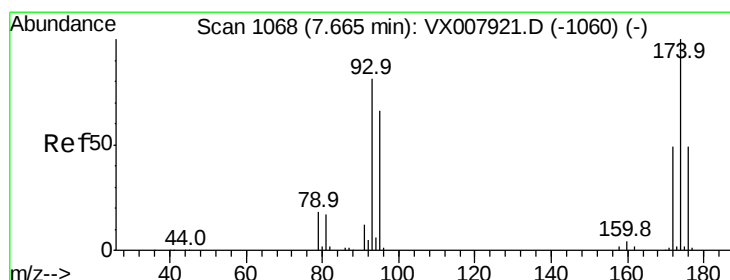
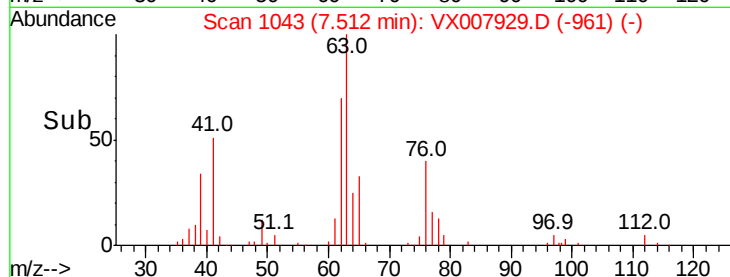
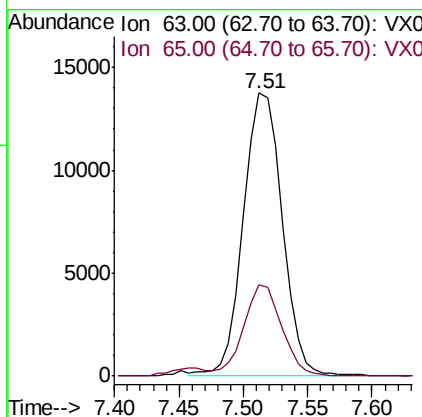
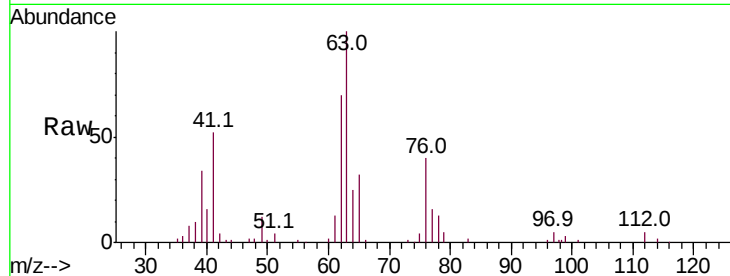
#39
 1,2-Dichloropropane
 Concen: 9.629 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion: 63 Resp: 28871
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.6 37.0

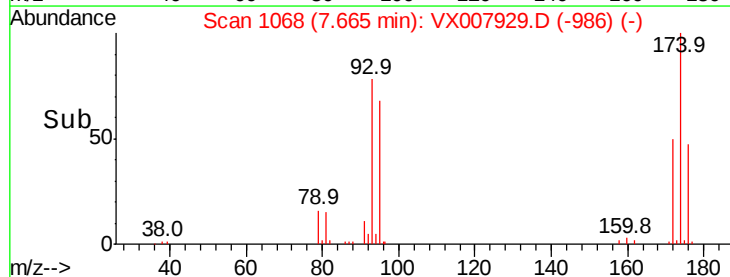
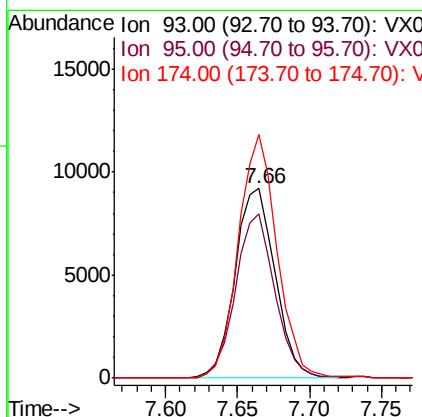
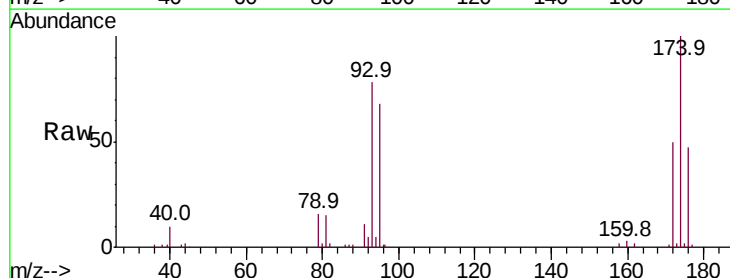
Manual Integrations
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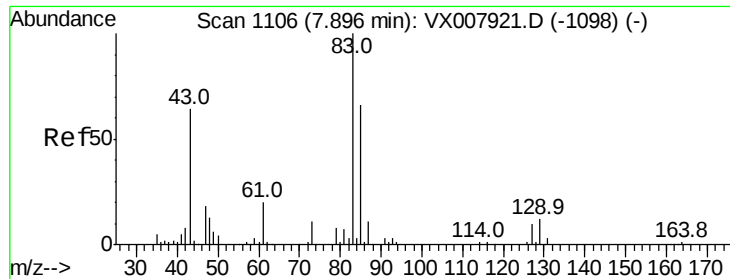
MMDadoda
 3/11/2019 12:01:51 PM



#40
 Dibromomethane
 Concen: 9.352 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion: 93 Resp: 17786
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 158.8
 174 123.4 0.0 224.2





#41

Bromodichloromethane

Concen: 9.163 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

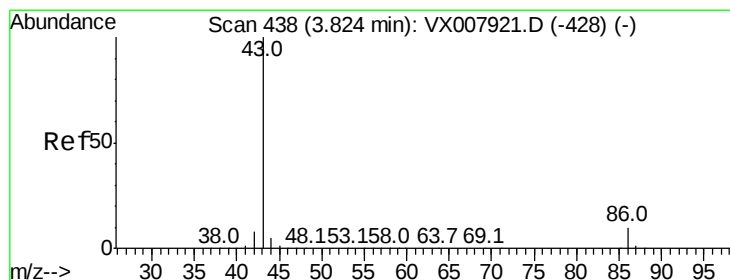
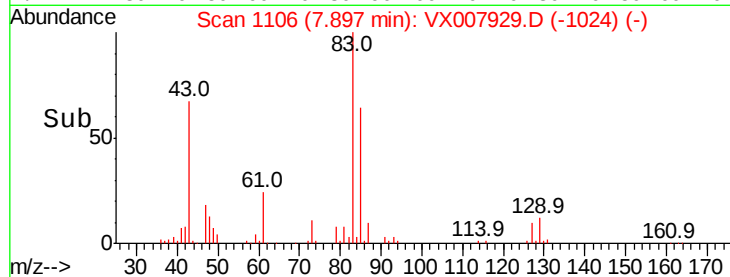
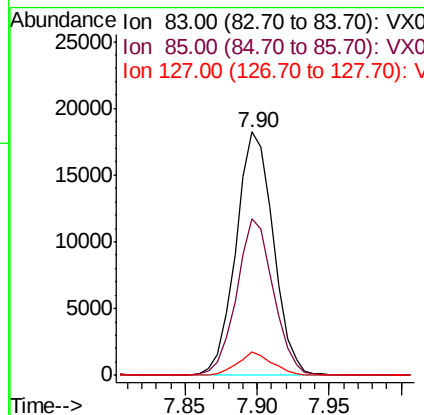
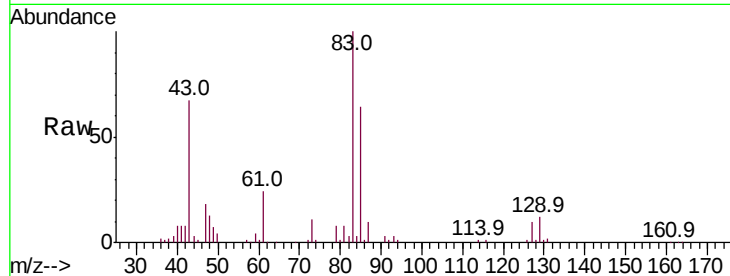
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	83	Resp:	32937
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.1	76.7
127	9.9	7.2	10.8

Manual Integrations
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3/11/2019 12:01:51 PM



#42

Vinyl Acetate

Concen: 44.249 ug/l

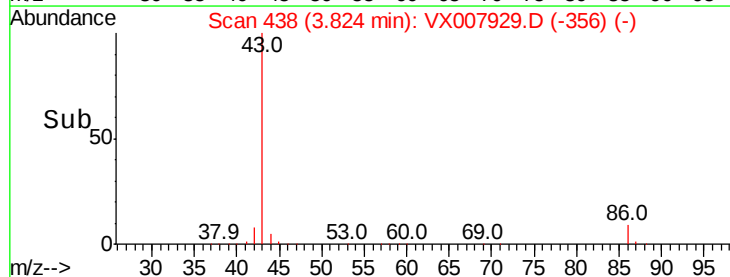
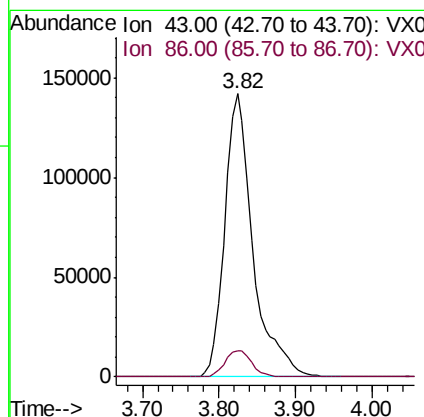
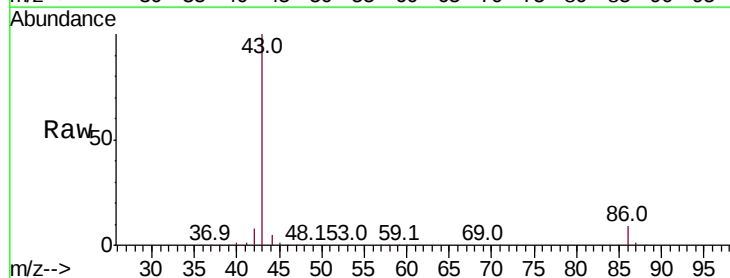
RT: 3.82 min Scan# 438

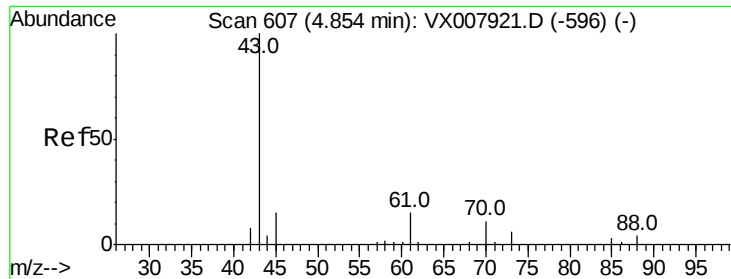
Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Tgt Ion:	43	Resp:	362416
Ion Ratio	Lower	Upper	
43	100		
86	8.9	8.2	12.2





#43

Ethyl Acetate

Concen: 9.280 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 40897

Ion Ratio Lower Upper

43 100

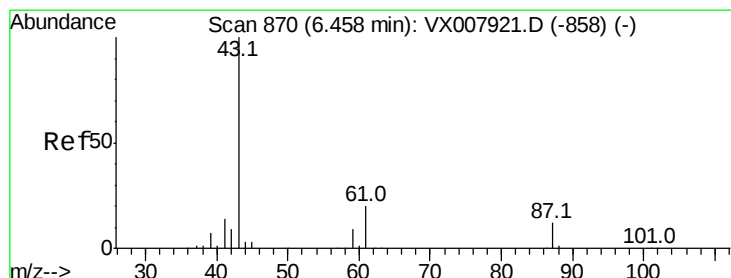
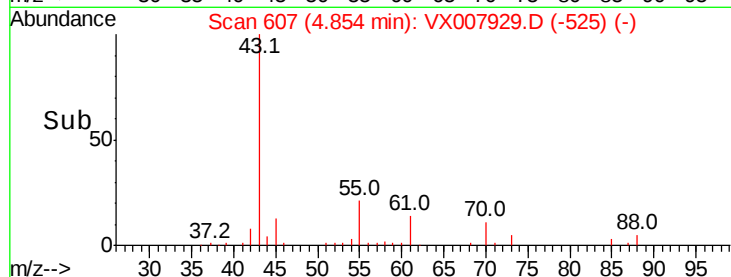
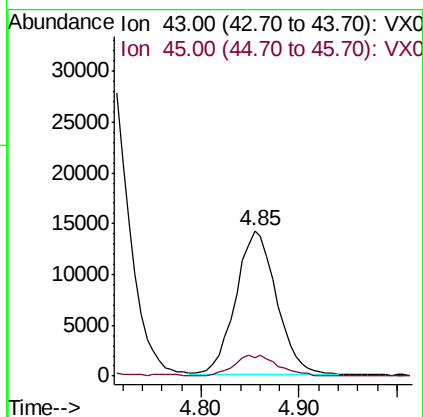
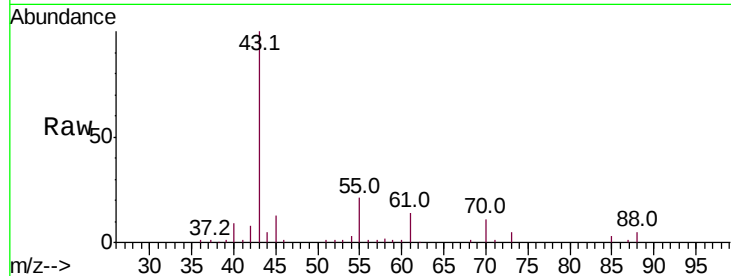
45 7.6 6.9 10.3

Manual Integrations

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#44

Isopropyl Acetate

Concen: 9.216 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007929.D

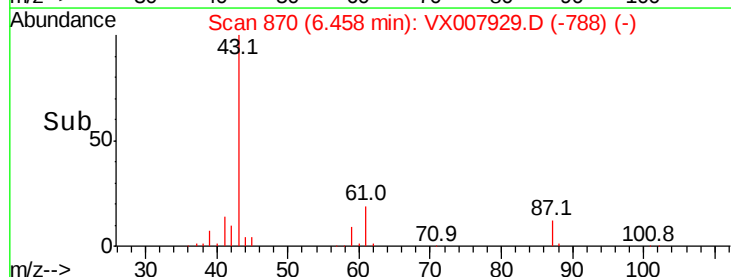
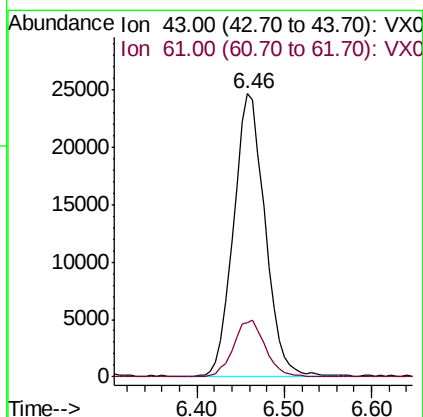
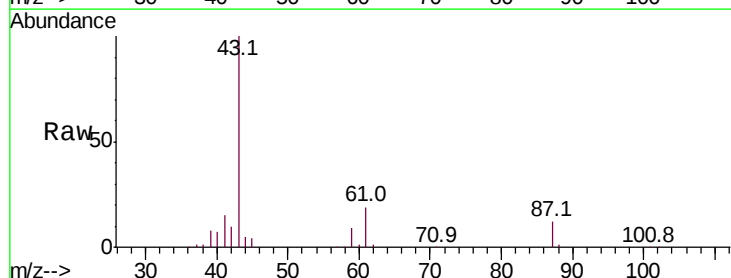
Acq: 08 Mar 2019 14:16

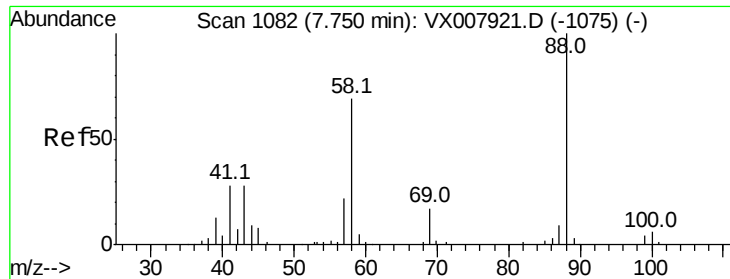
Tgt Ion: 43 Resp: 61973

Ion Ratio Lower Upper

43 100

61 20.0 16.1 24.1





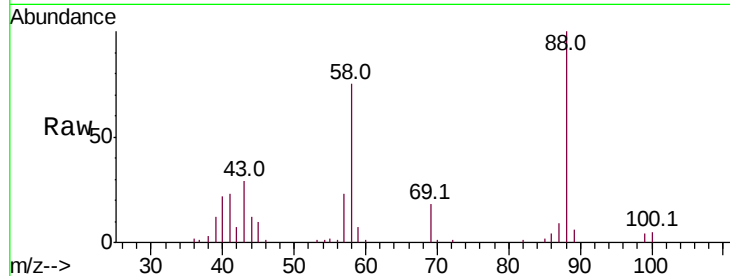
#45
1,4-Dioxane
Concen: 187.435 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	23.6	35.4
58	73.8	51.6	77.4

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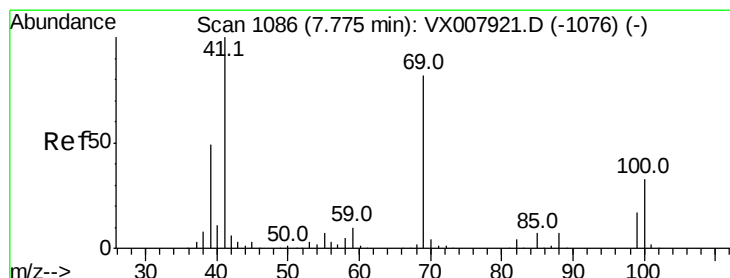
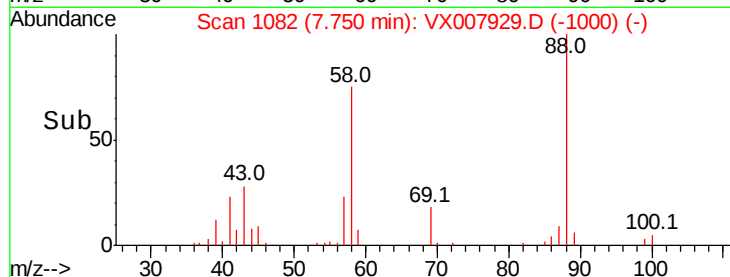
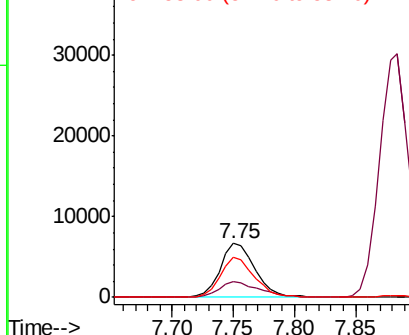


Abundance

Ion 88.00 (87.70 to 88.70): VX0

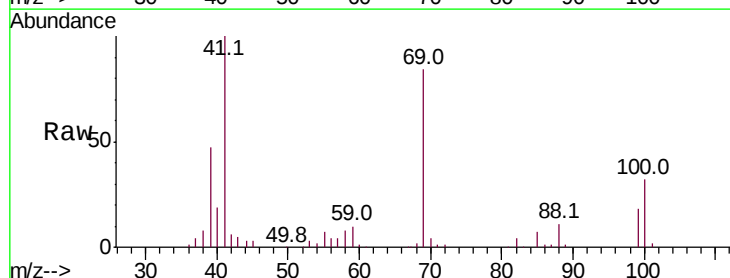
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46
Methyl methacrylate
Concen: 9.049 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.6	44.2	132.6
39	46.6	29.9	89.8

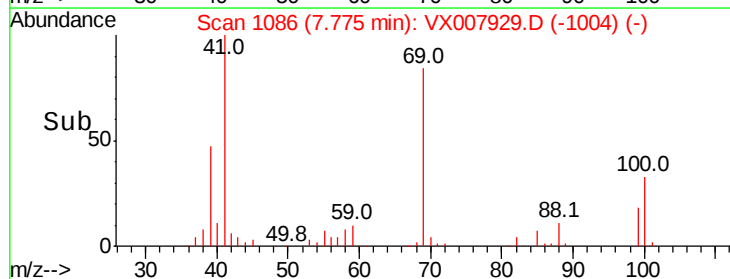
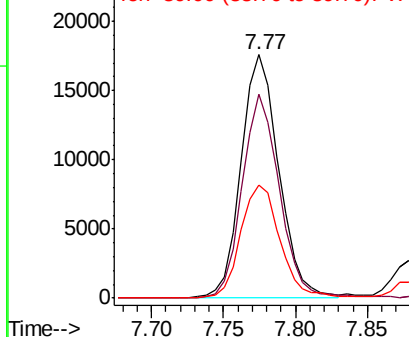


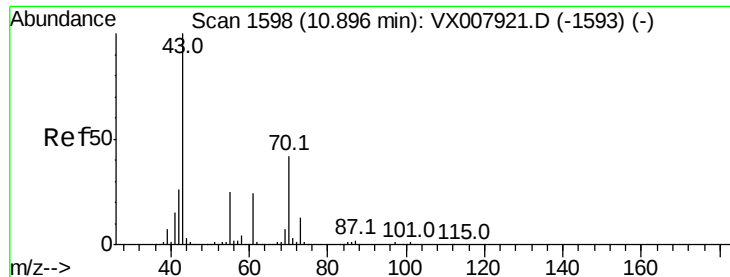
Abundance

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





#47

n-amvl Acetate

Concen: 8.502 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 43 Resp: 49263

Ion Ratio Lower Upper

43 100

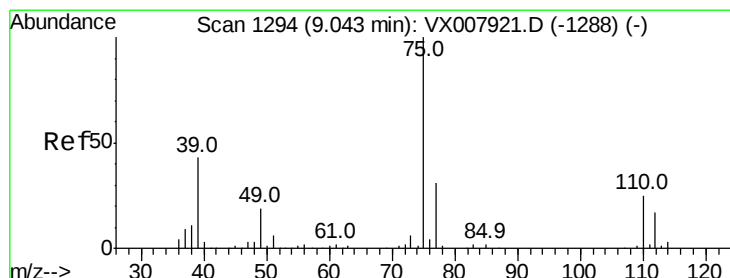
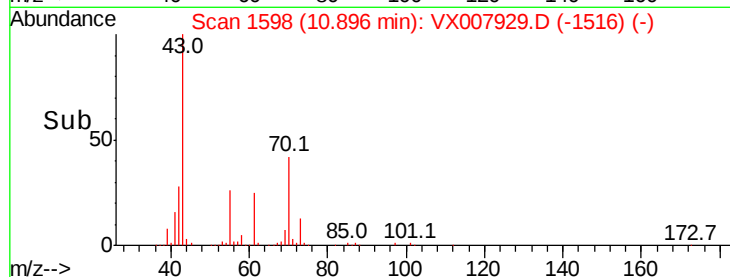
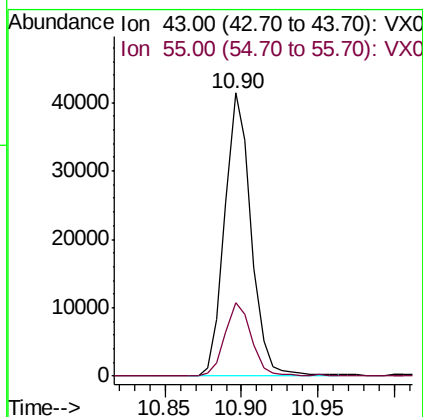
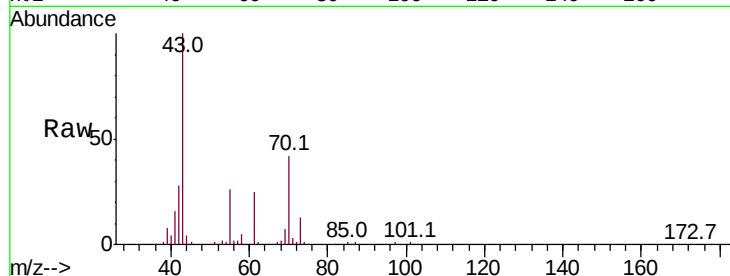
55 26.3 20.8 31.2

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#48

t-1,3-Dichloropropene

Concen: 8.134 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007929.D

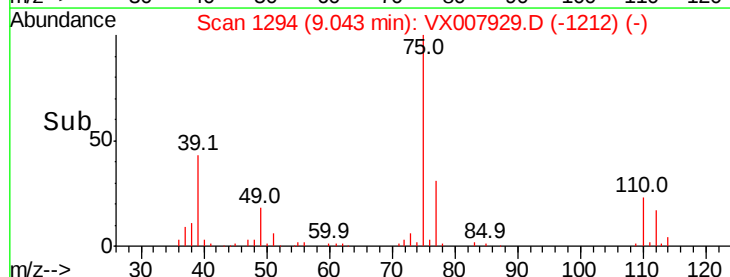
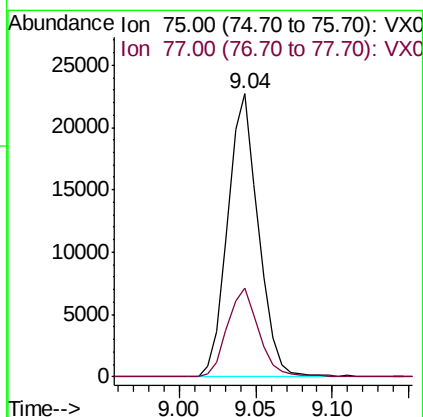
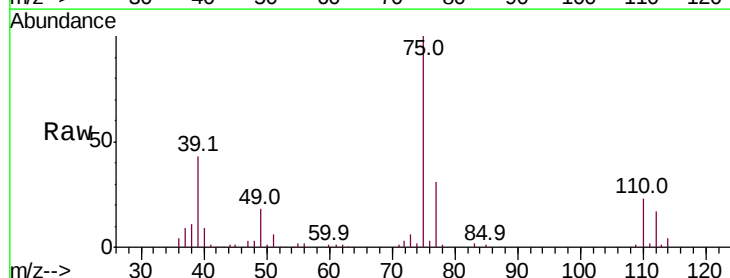
Acq: 08 Mar 2019 14:16

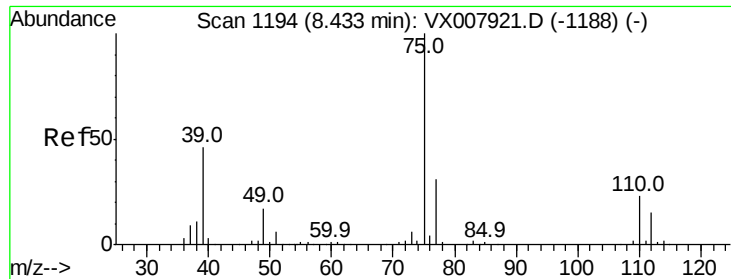
Tgt Ion: 75 Resp: 31666

Ion Ratio Lower Upper

75 100

77 31.2 24.5 36.7





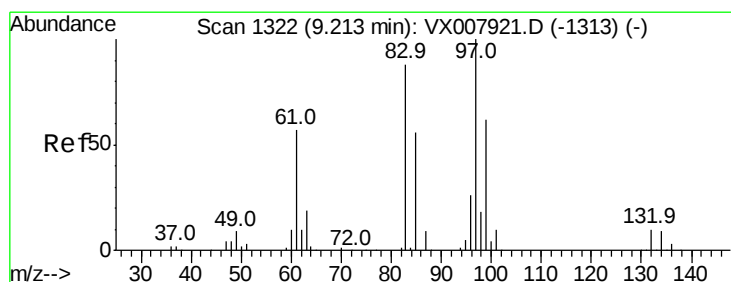
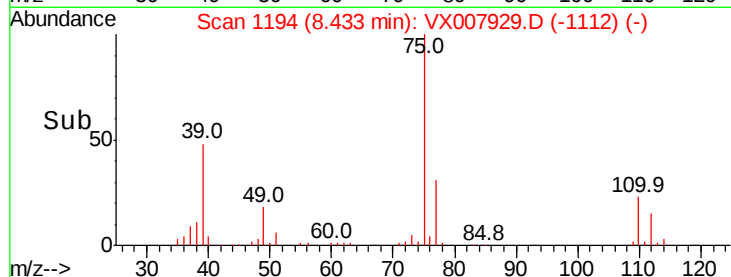
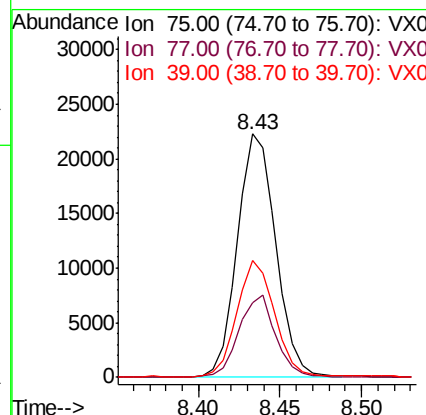
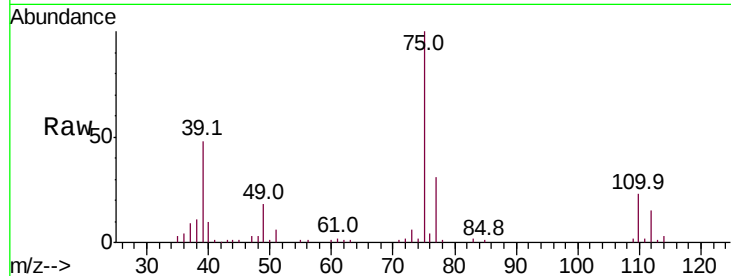
#49
 cis-1,3-Dichloropropene
 Concen: 8.299 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	47.9	38.5	57.7

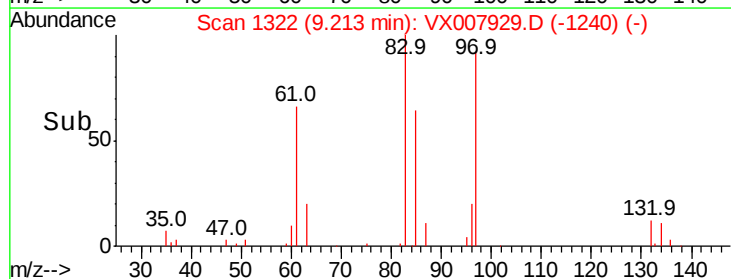
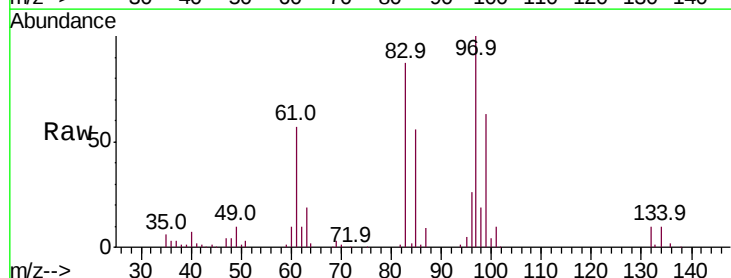
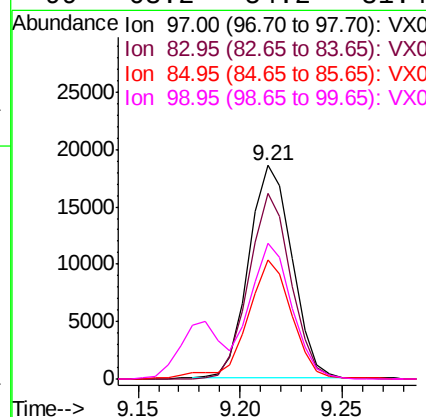
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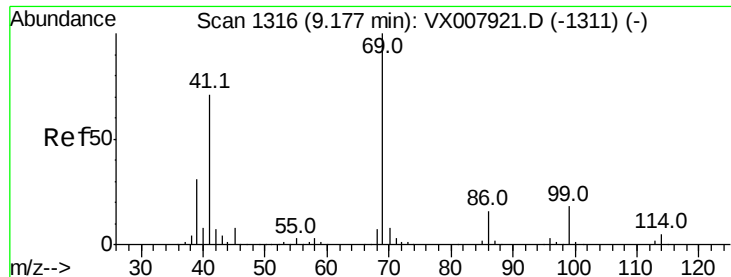
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#50
 1,1,2-Trichloroethane
 Concen: 9.381 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	72.0	108.0
85	55.7	45.0	67.6
99	63.2	54.2	81.4





#51

Ethyl methacrylate

Concen: 8.803 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007929.D

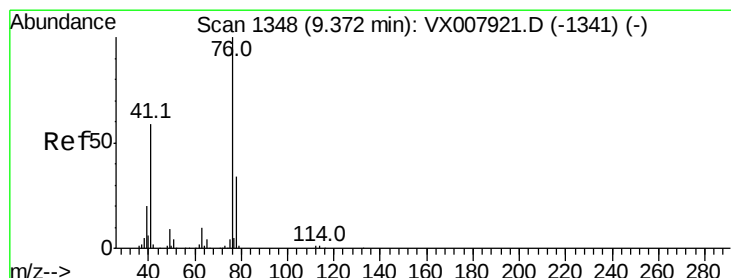
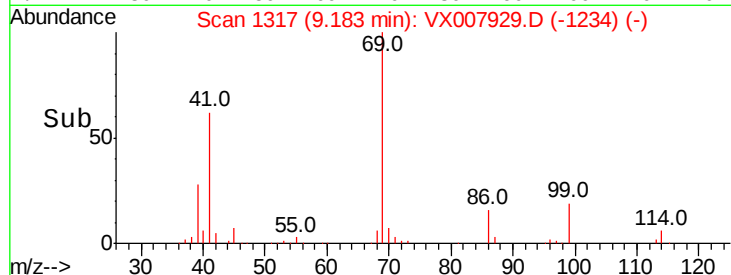
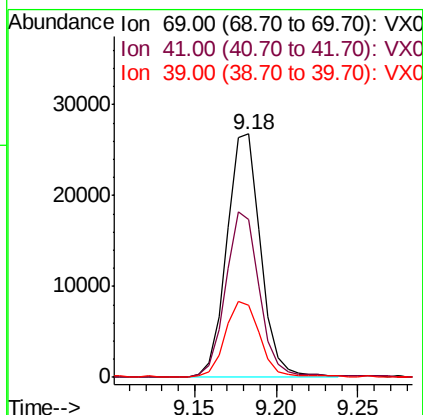
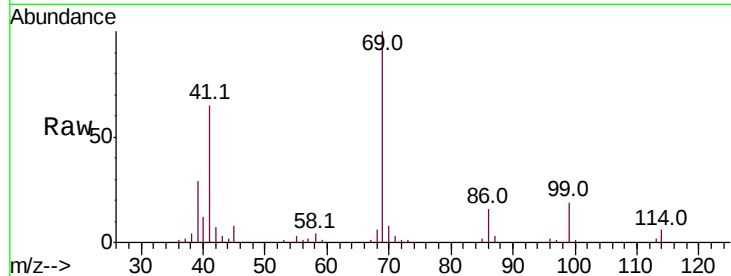
Acq: 08 Mar 2019 14:16

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

Tot Ion:	69	Resp:	38701
Ion Ratio	Lower	Upper	
69	100		
41	64.7	32.1	96.5
39	29.1	18.8	56.3

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#52

1,3-Dichloropropane

Concen: 9.334 ug/l

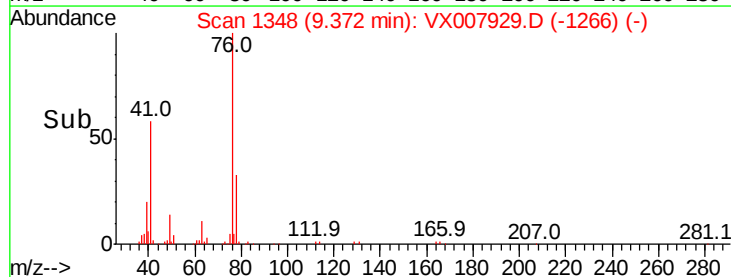
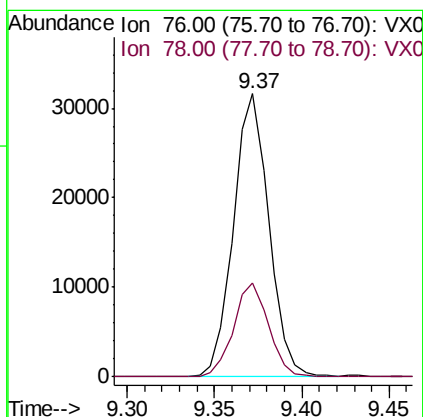
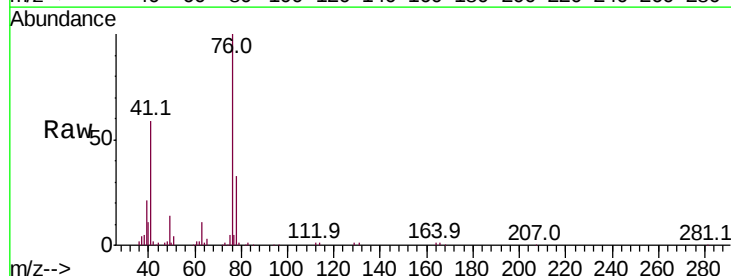
RT: 9.37 min Scan# 1348

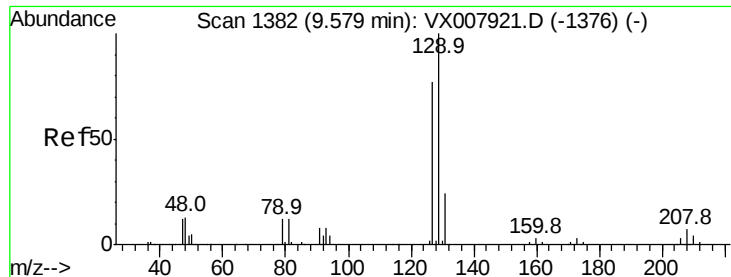
Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Tgt Ion:	76	Resp:	44707
Ion Ratio	Lower	Upper	
76	100		
78	32.9	0.0	65.2





#53

Dibromochloromethane

Concen: 8.700 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:129 Resp: 25943

Ion Ratio Lower Upper

129 100

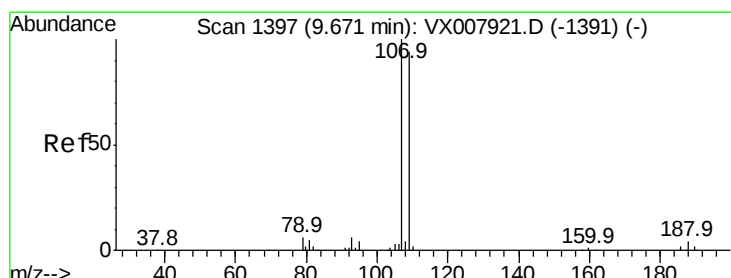
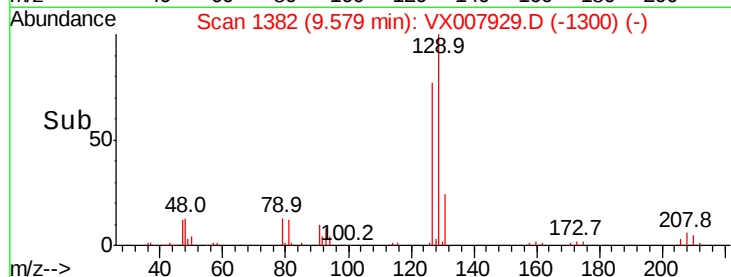
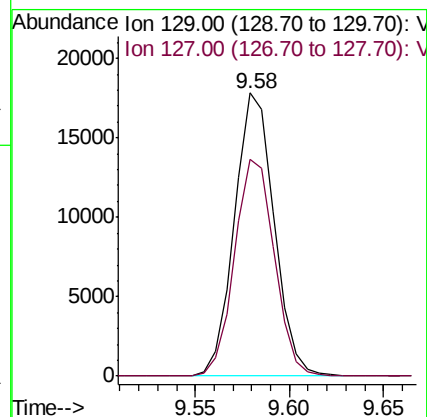
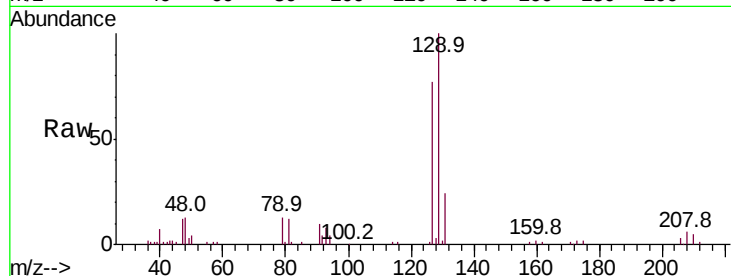
127 77.1 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 9.182 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007929.D

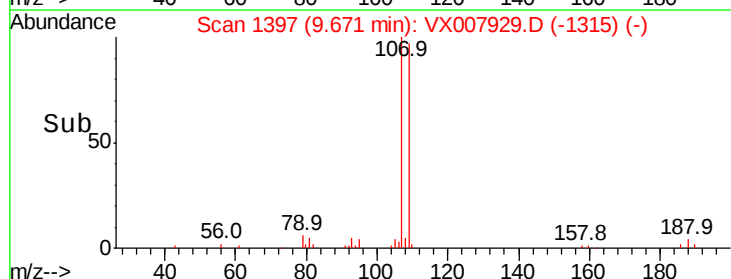
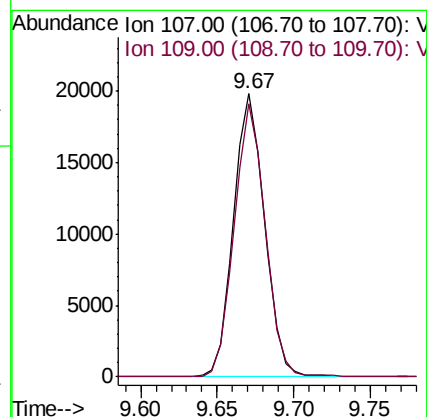
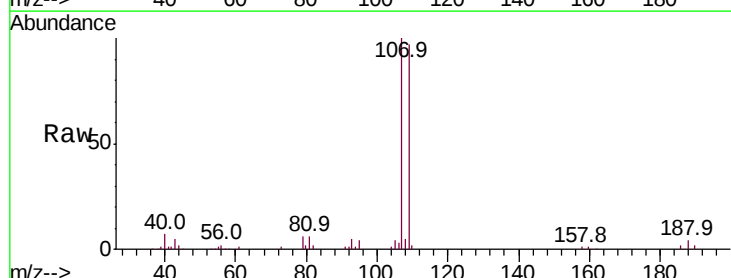
Acq: 08 Mar 2019 14:16

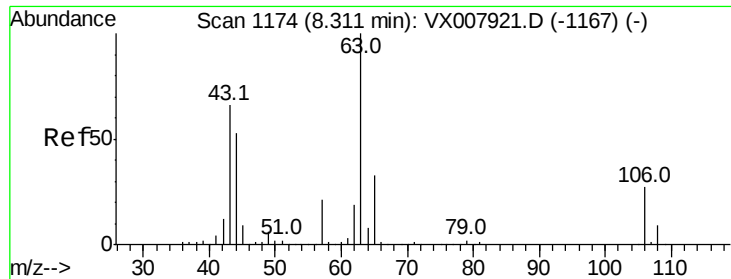
Tgt Ion:107 Resp: 27827

Ion Ratio Lower Upper

107 100

109 96.5 76.6 115.0





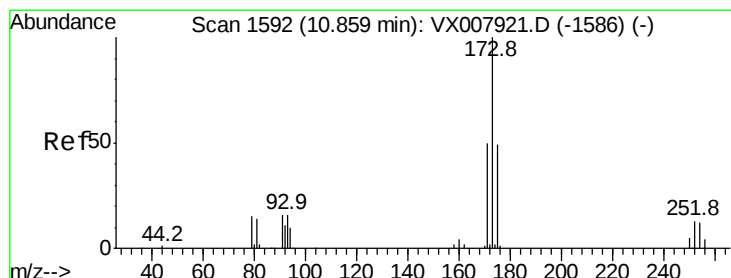
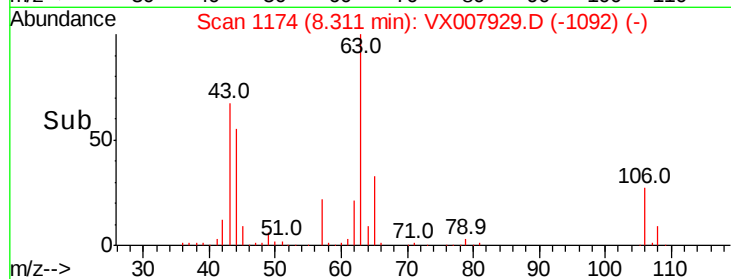
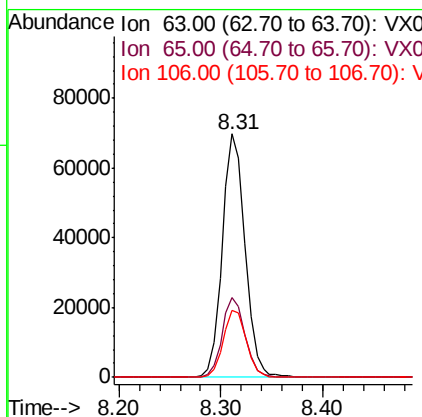
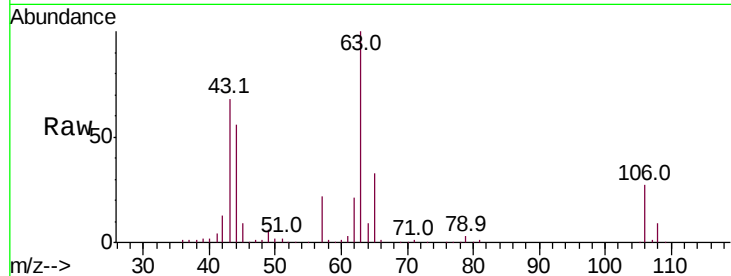
#55
2-Chloroethyl vinyl ether
Concen: 53.016 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.7	38.5
106	27.8	23.7	35.5

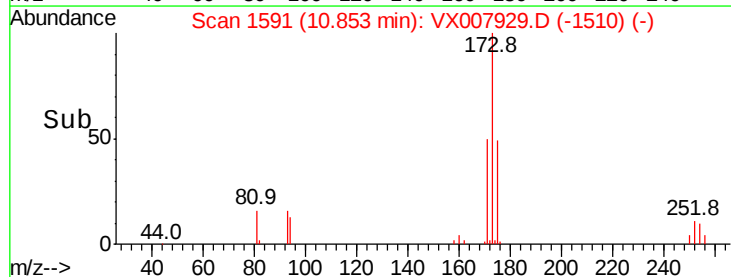
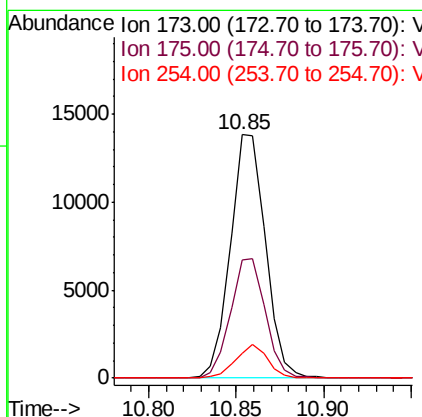
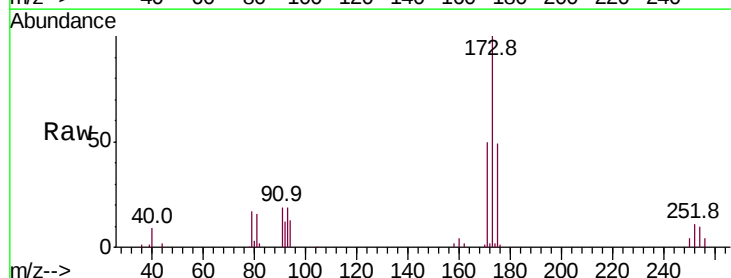
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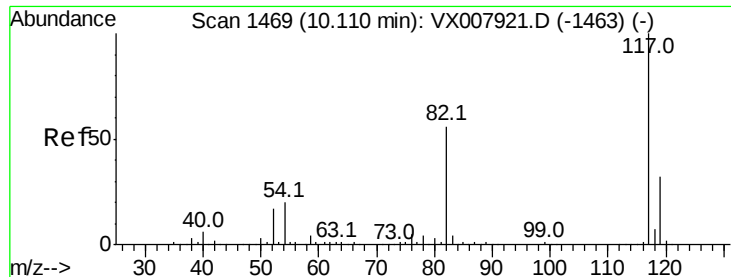
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#56
Bromoform
Concen: 8.150 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.5	57.7
254	12.6	7.4	11.2





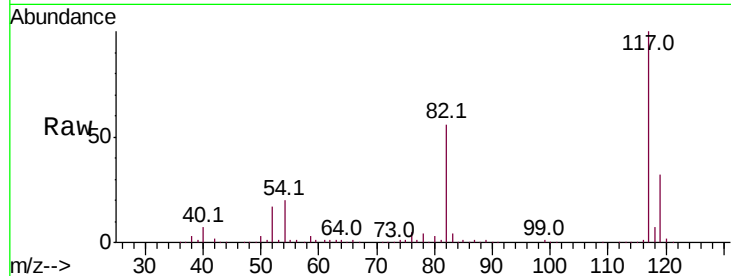
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

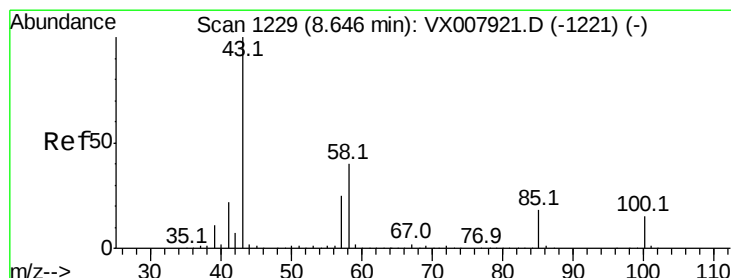
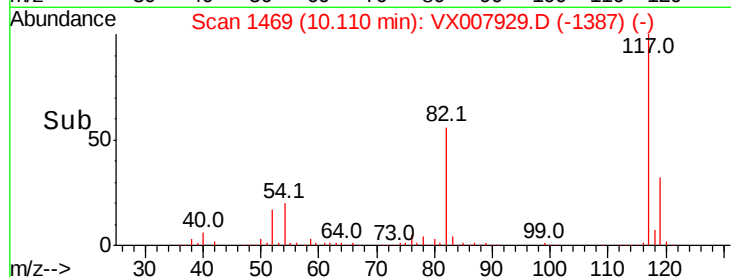
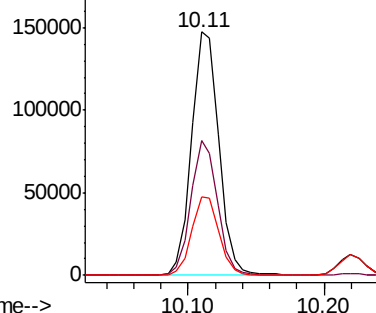
Tot Ion	Ratio	Resp	Lower	Upper
117	100	205012		
82	54.1		40.4	60.6
119	32.5		25.8	38.6

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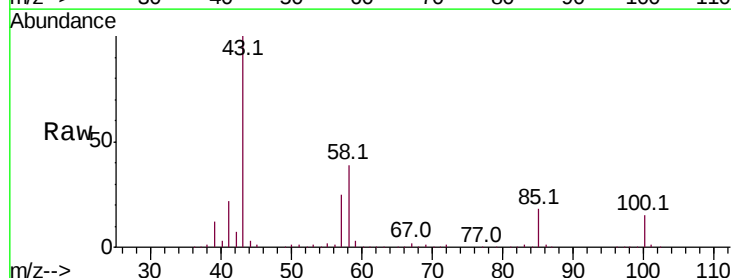


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

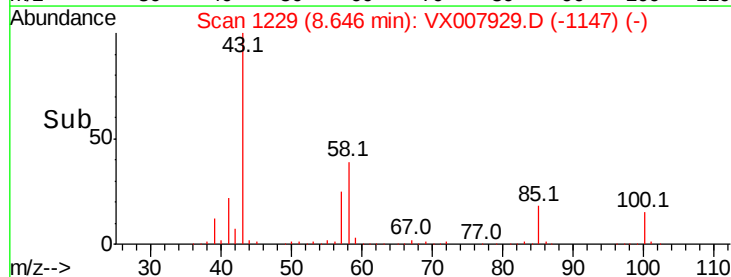
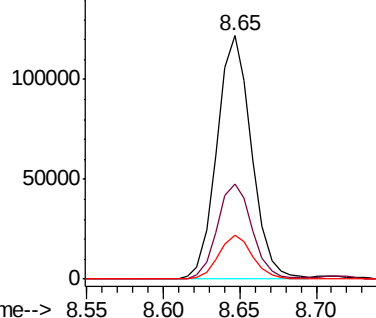


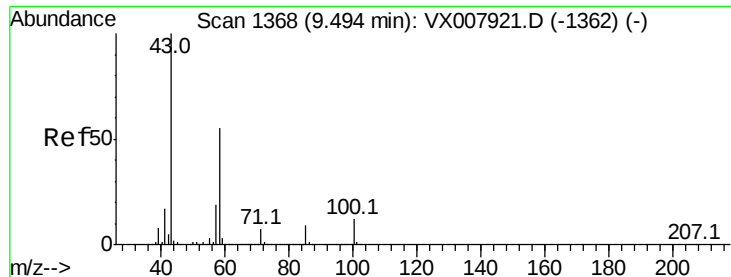
#58
4-Methyl-2-Pentanone
Concen: 45.577 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	192376		
58	39.3		31.4	47.0
85	17.7		15.0	22.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





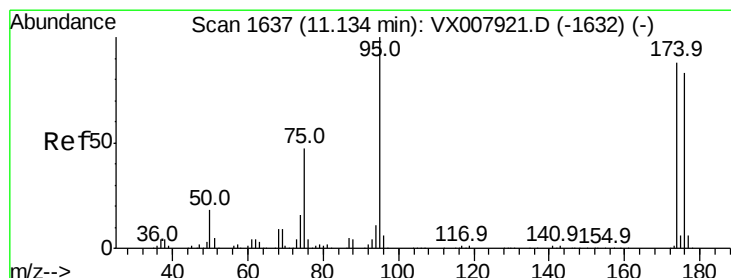
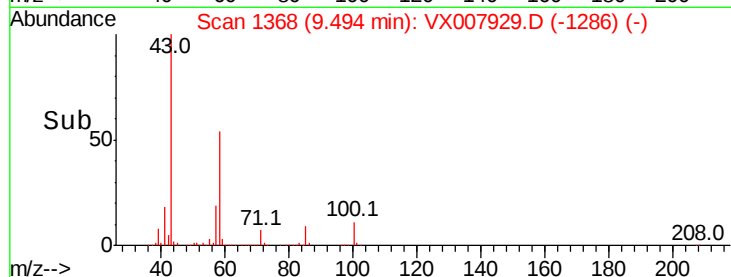
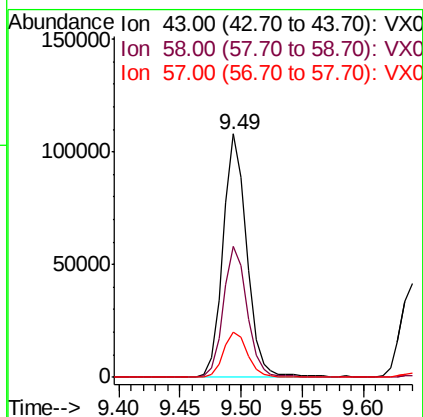
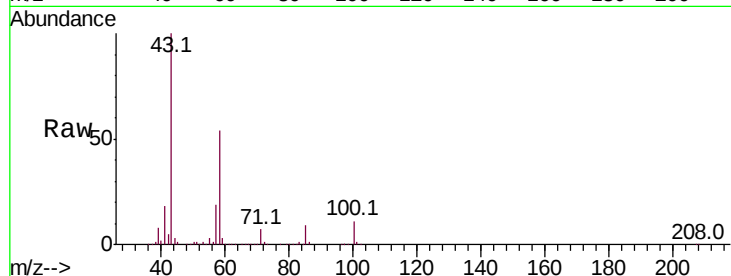
#59
2-Hexanone
Concen: 43.638 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	43.9	65.9
57	19.0	14.9	22.3

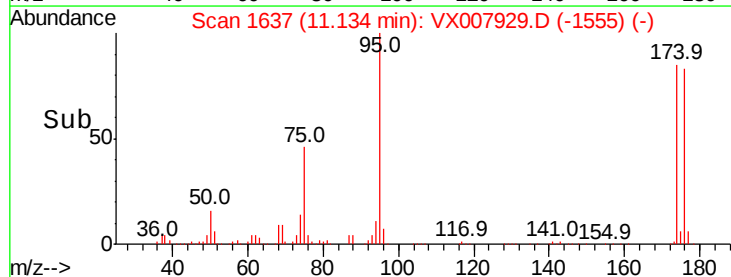
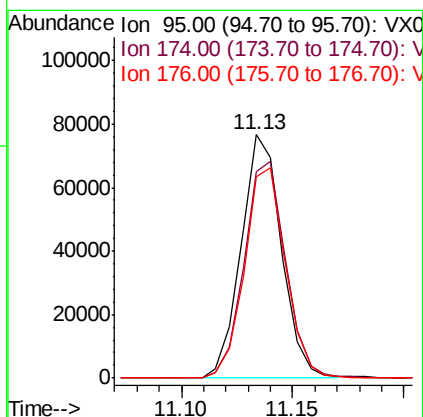
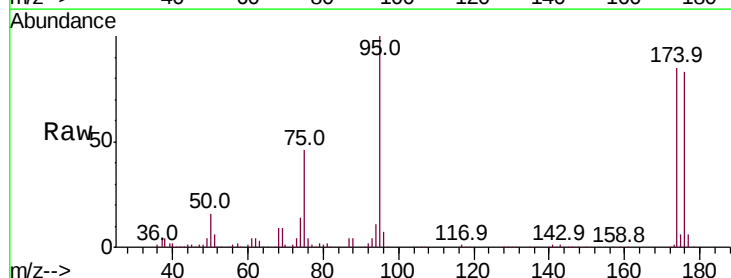
Manual Integrations
APPROVED

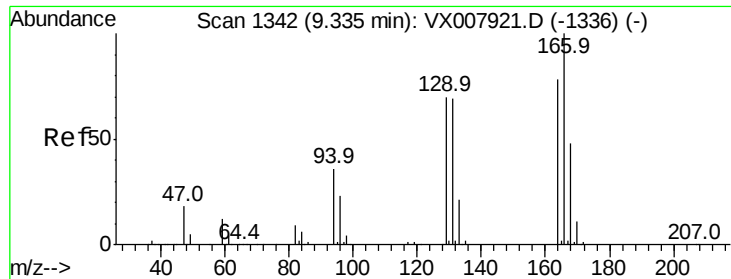
MMDadoda
3/11/2019 12:01:51 PM



#60
4-Bromofluorobenzene
Concen: 29.589 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	74.9	112.3
176	88.5	70.7	106.1





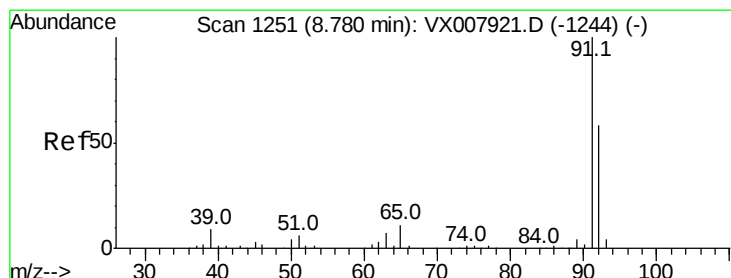
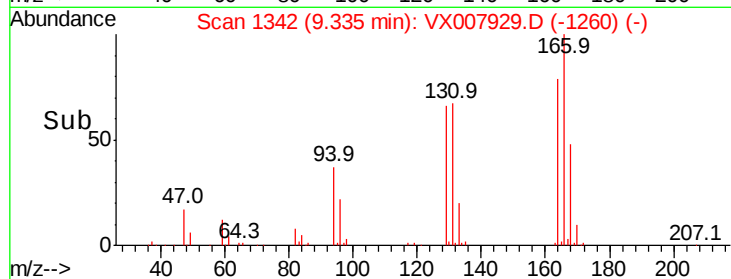
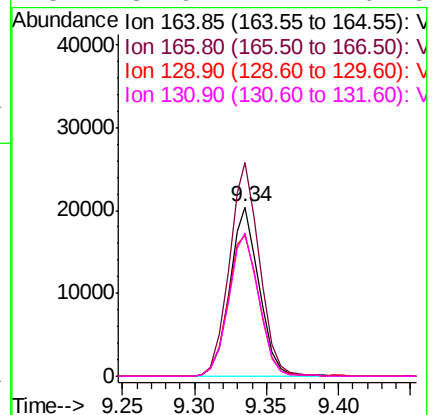
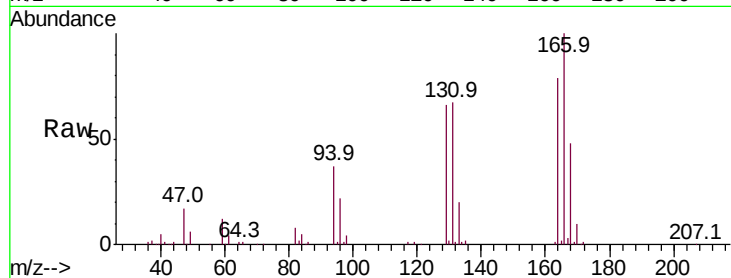
#61
 Tetrachloroethene
 Concen: 9.748 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion:	164	Resp:	29151
Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.9	155.9
129	83.5	74.7	112.1
131	84.9	71.7	107.5

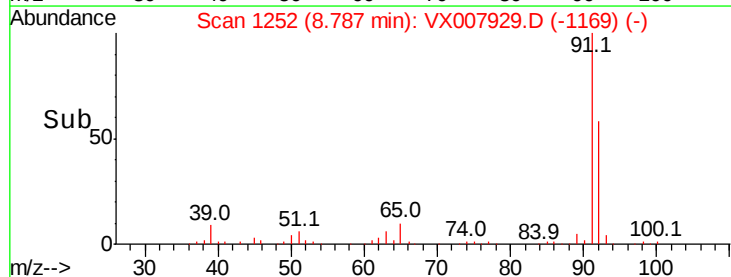
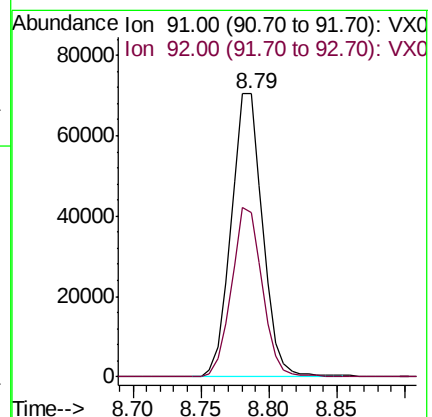
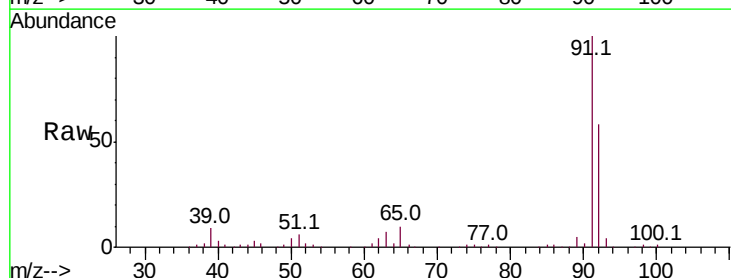
Manual Integrations
 APPROVED

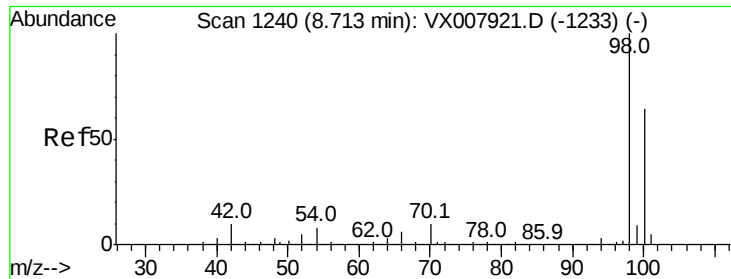
MMDadoda
 3/11/2019 12:01:51 PM



#62
 Toluene
 Concen: 9.451 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion:	91	Resp:	113141
Ion	Ratio	Lower	Upper
91	100		
92	58.5	46.4	69.6





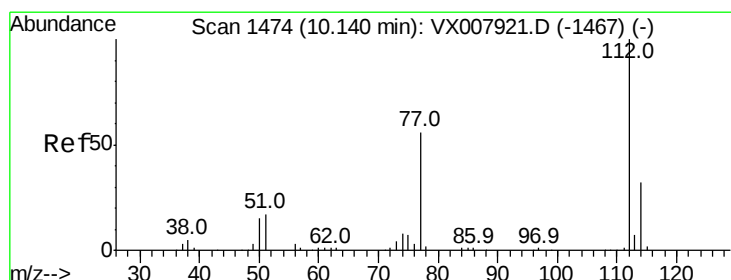
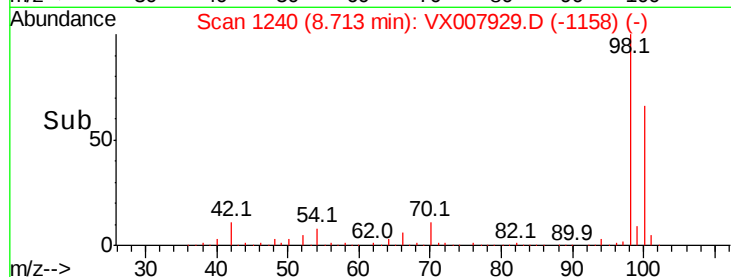
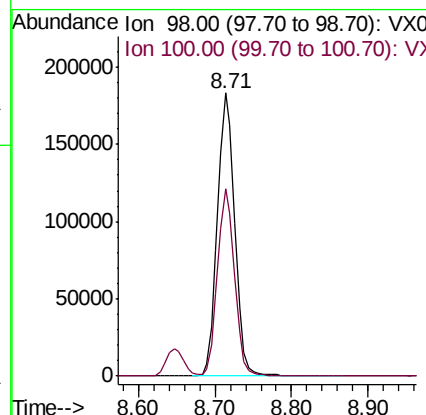
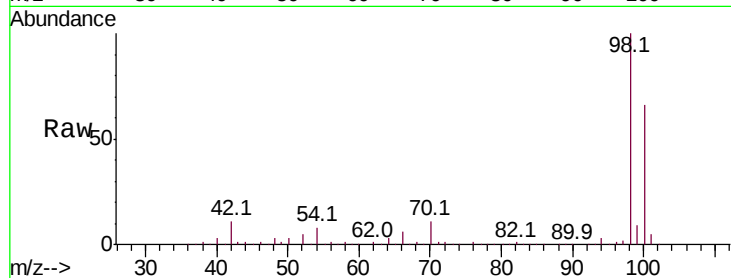
#63
Toluene-d8
Concen: 30.777 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion: 98 Resp: 288754
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3

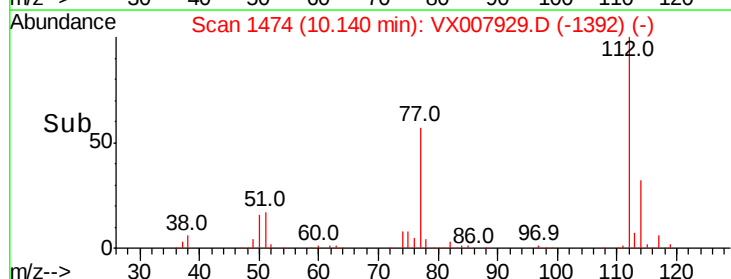
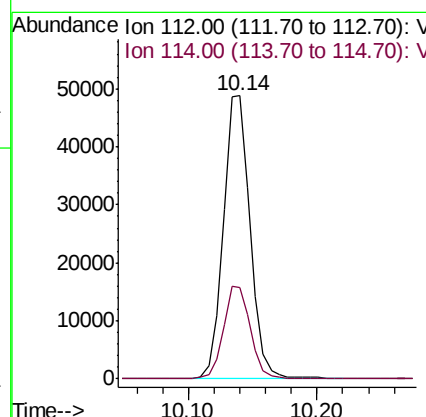
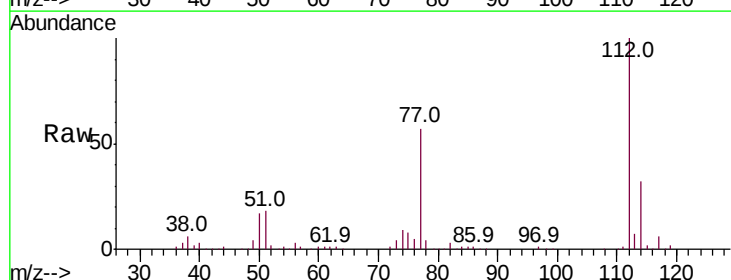
Manual Integrations
APPROVED

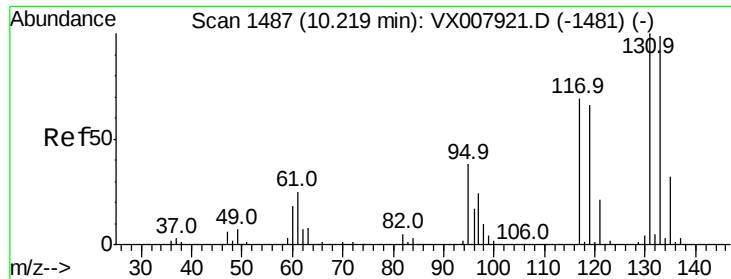
MMDadoda
3/11/2019 12:01:51 PM



#64
Chlorobenzene
Concen: 9.376 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 112 Resp: 71537
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 9.267 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:131 Resp: 25316

Ion Ratio Lower Upper

131 100

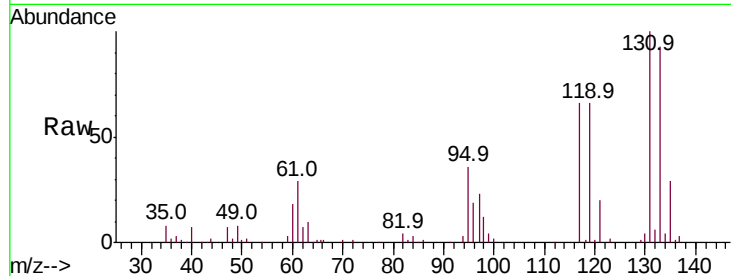
133 93.6 0.0 191.6

119 66.4 0.0 127.4

Manual Integrations
APPROVED

MMDadoda

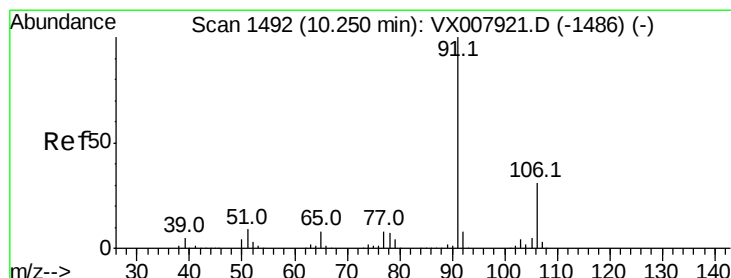
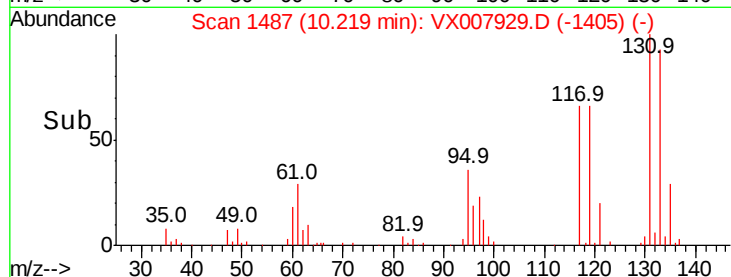
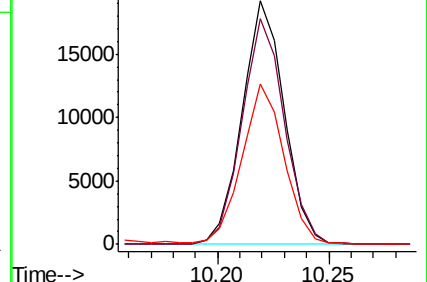
3/11/2019 12:01:51 PM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 9.072 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007929.D

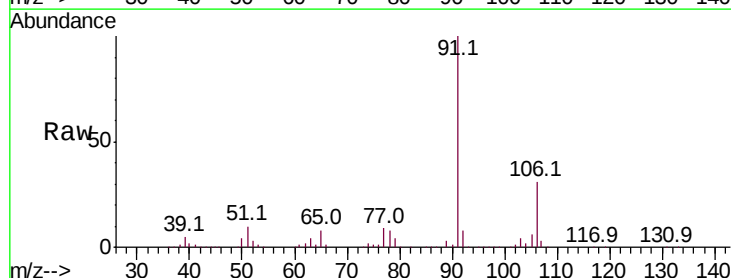
Acq: 08 Mar 2019 14:16

Tgt Ion: 91 Resp: 116649

Ion Ratio Lower Upper

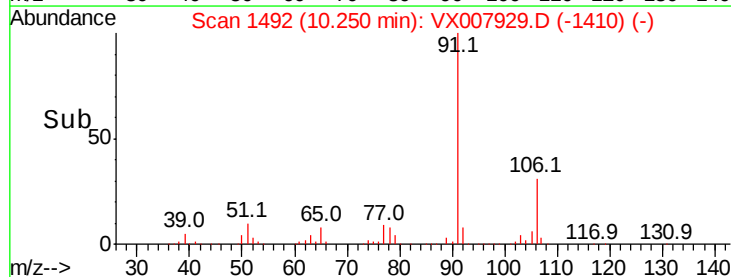
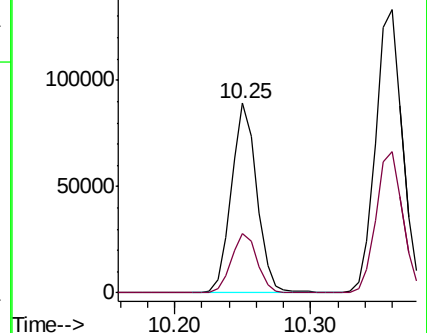
91 100

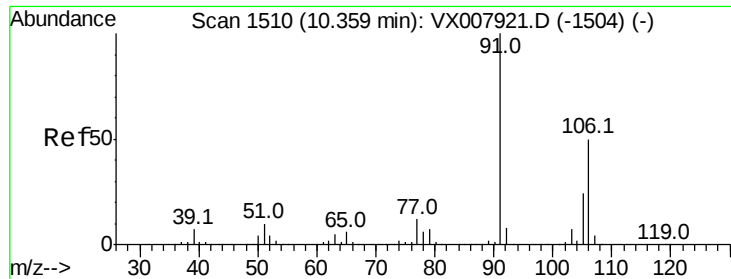
106 31.3 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





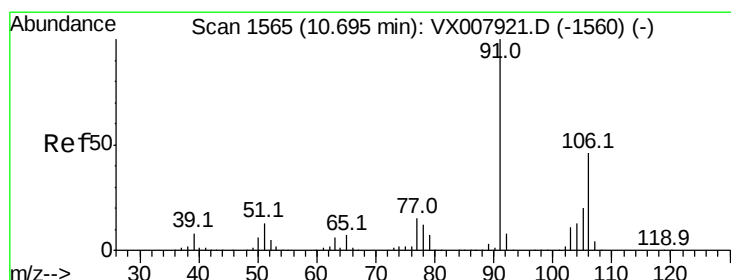
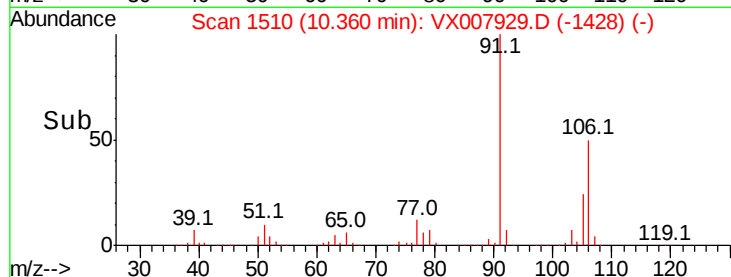
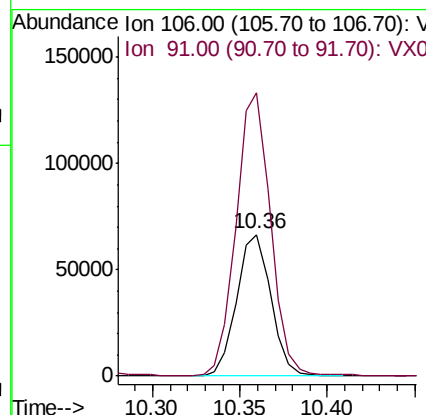
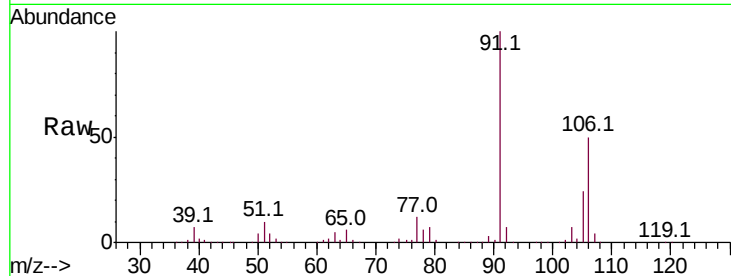
#67
m/p-Xvlenes
Concen: 18.441 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion:106 Resp: 90924
Ion Ratio Lower Upper
106 100
91 200.3 157.0 235.4

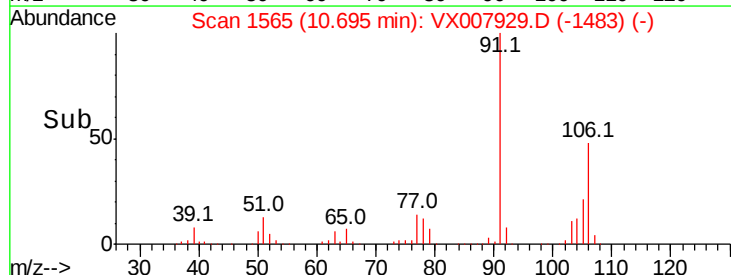
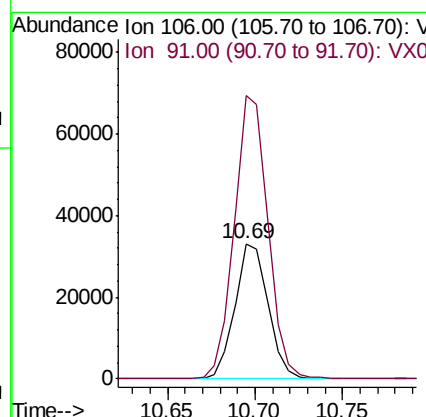
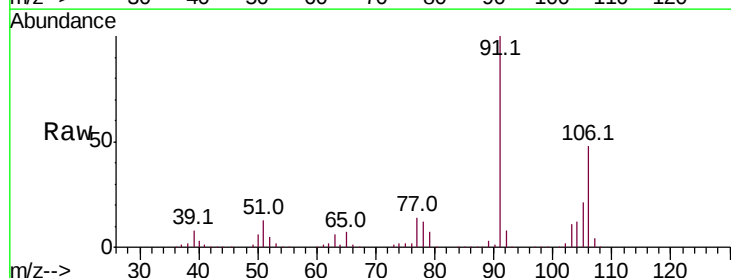
Manual Integrations
APPROVED

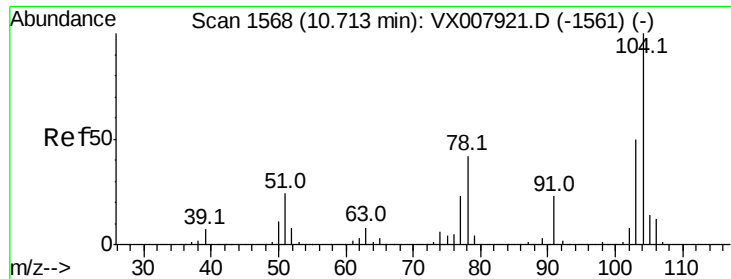
MMDadoda
3/11/2019 12:01:51 PM



#68
o-Xylene
Concen: 9.165 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion:106 Resp: 43880
Ion Ratio Lower Upper
106 100
91 212.4 104.4 313.2





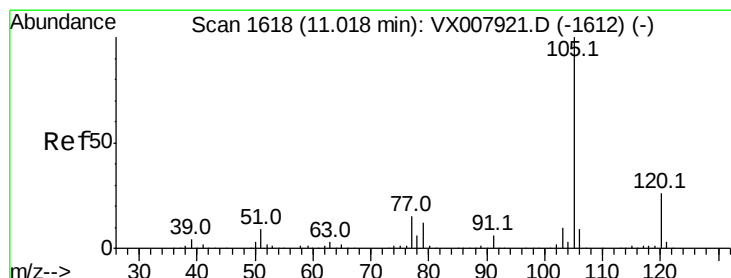
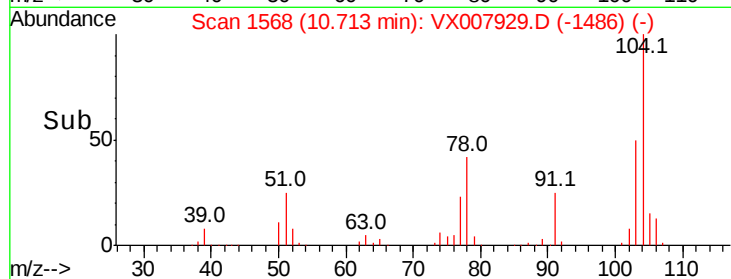
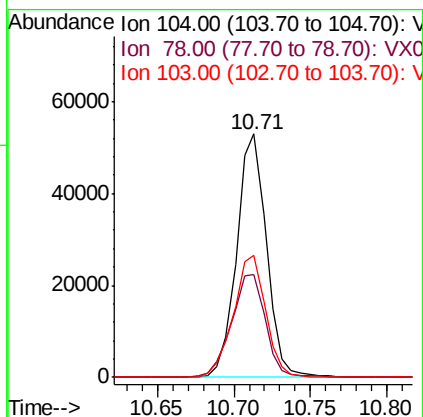
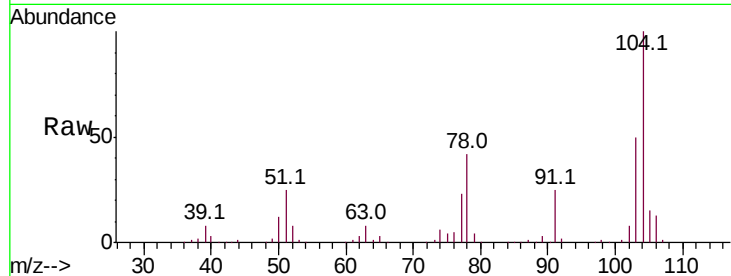
#69
Stvrene
Concen: 9.044 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.2	57.2
103	54.8	45.0	67.4

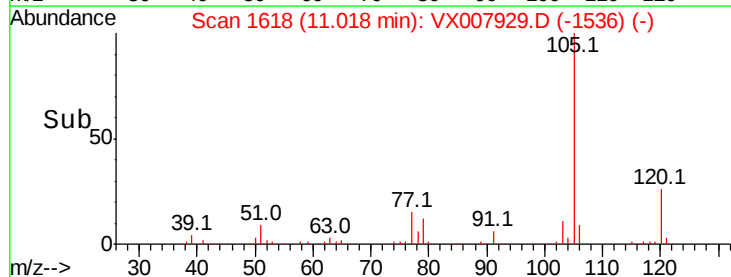
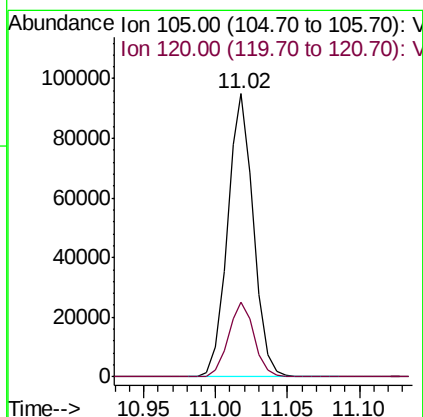
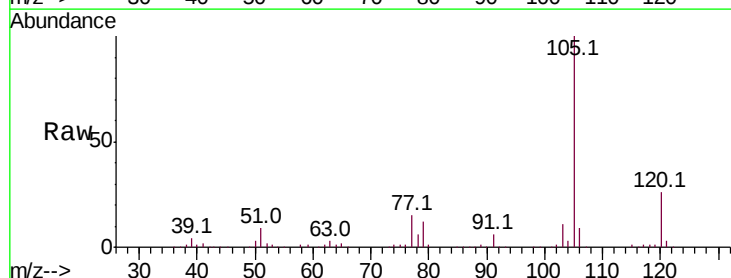
Manual Integrations
APPROVED

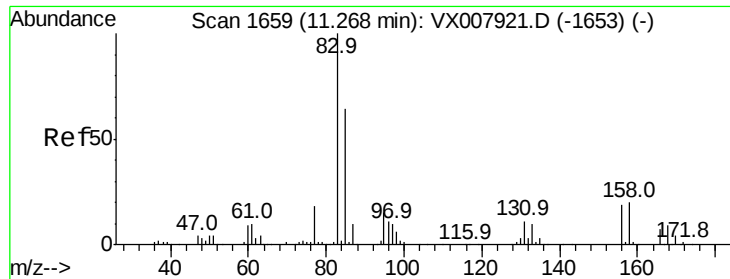
MMDadoda
3/11/2019 12:01:51 PM



#70
Isopropylbenzene
Concen: 9.348 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	19.8	36.8





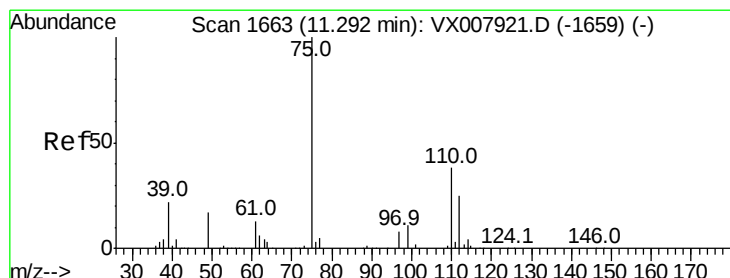
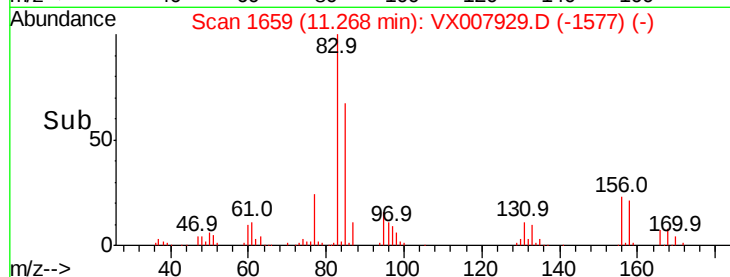
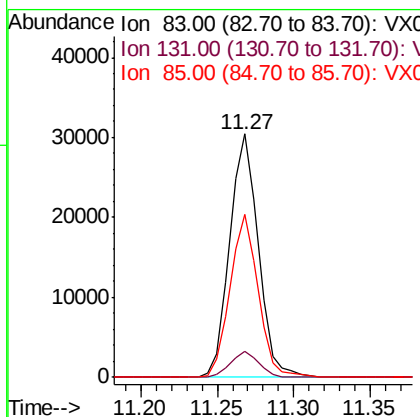
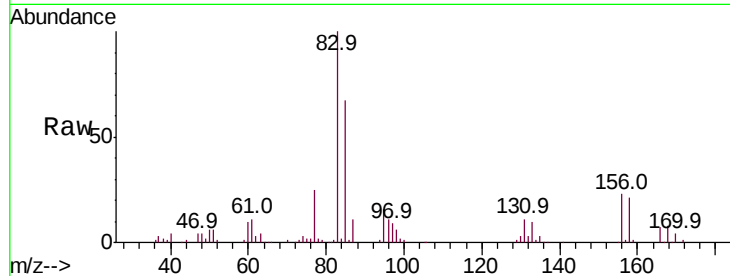
#71
 1,1,2,2-Tetrachloroethane
 Concen: 9.365 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	83	Resp	39571
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	65.6	32.8	98.4

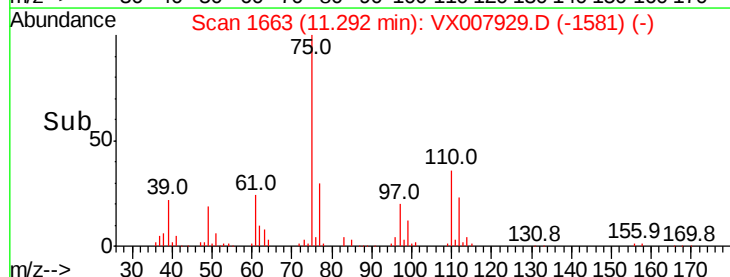
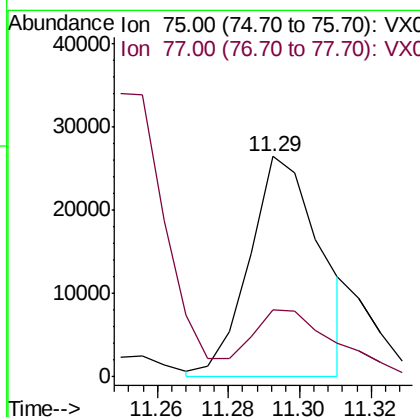
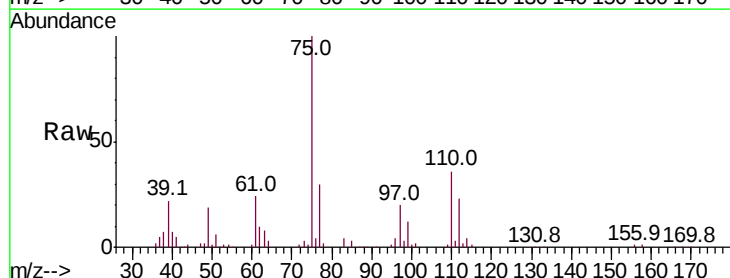
Manual Integrations
 APPROVED

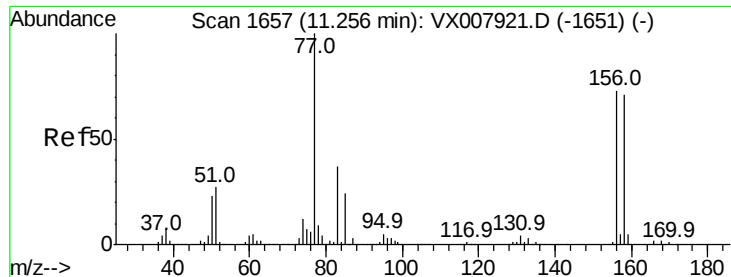
MMDadoda
 3/11/2019 12:01:51 PM



#72
 1,2,3-Trichloropropane
 Concen: 9.278 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	75	Resp	36952
Ion Ratio	100	Lower	Upper
75	100		
77	38.0	0.0	76.4





#73

Bromobenzene

Concen: 9.377 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

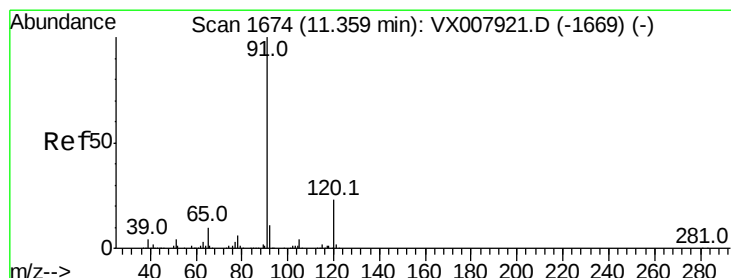
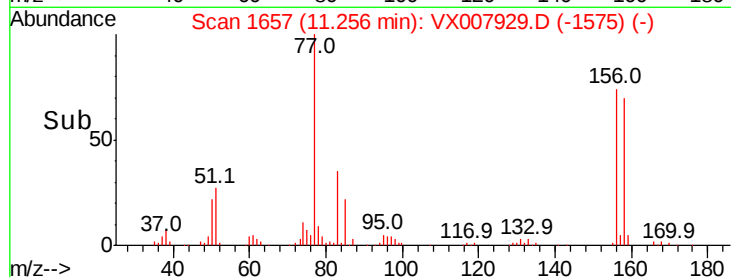
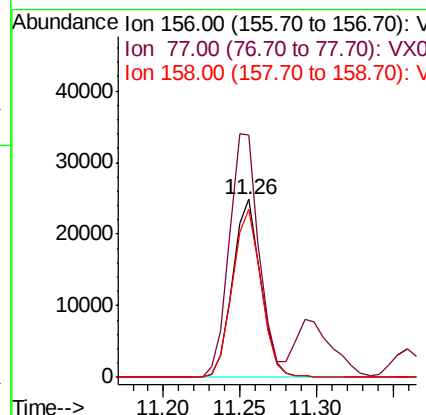
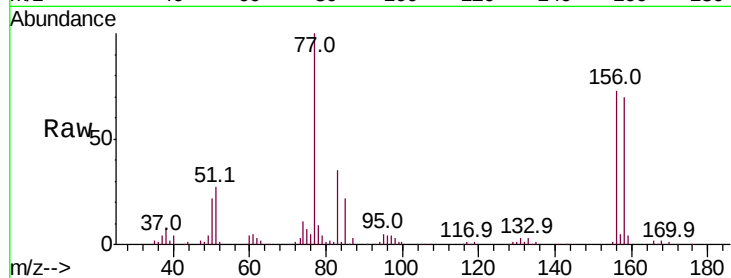
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.5	0.0	271.4
158	96.3	0.0	194.0

Manual Integrations
APPROVED

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3/11/2019 12:01:51 PM



#74

n-propylbenzene

Concen: 9.143 ug/l

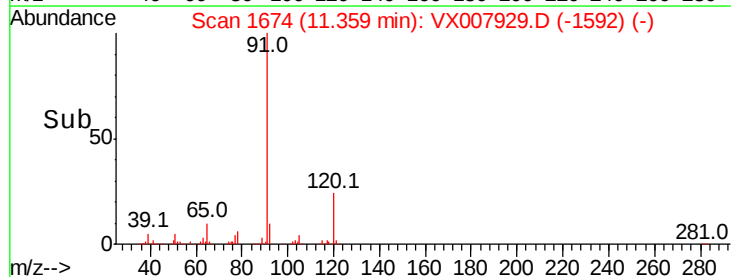
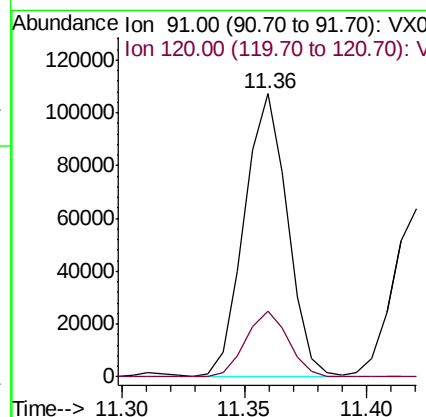
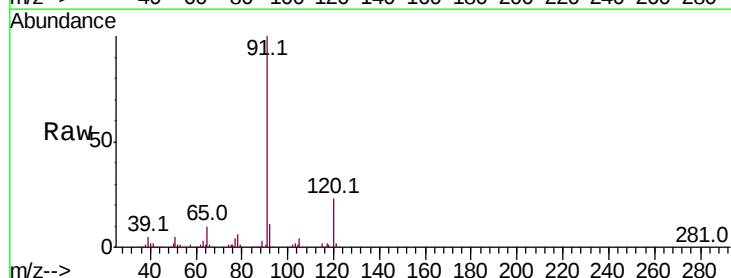
RT: 11.36 min Scan# 1674

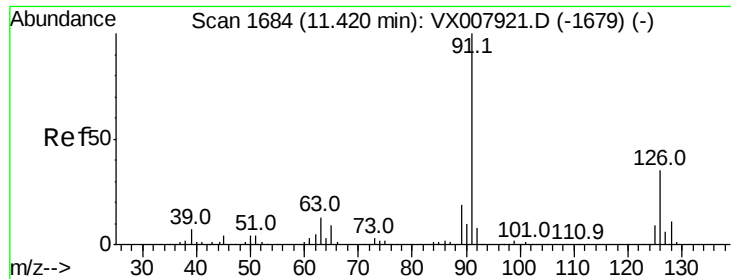
Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	0.0	48.6





#75

2-Chlorotoluene

Concen: 9.459 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 91 Resp: 81816

Ion Ratio Lower Upper

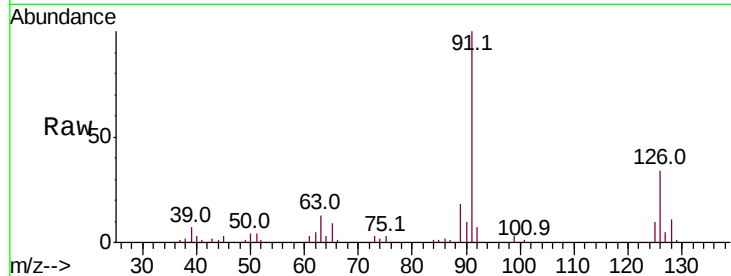
91 100

126 33.9 0.0 75.2

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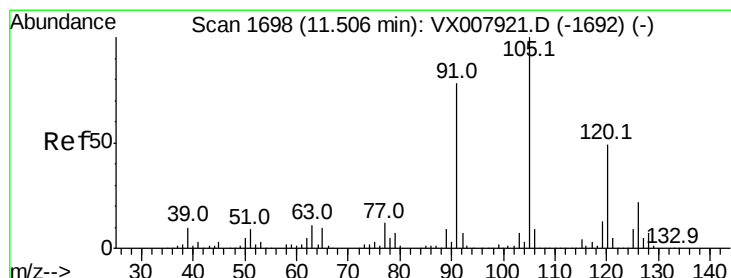
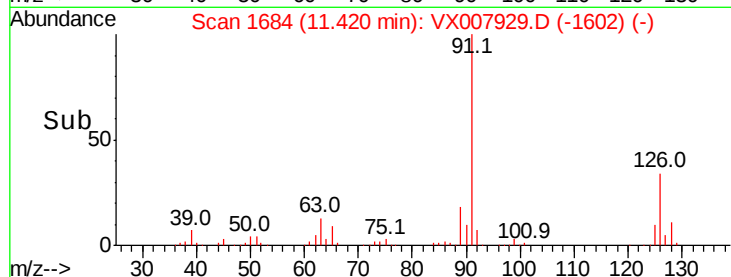
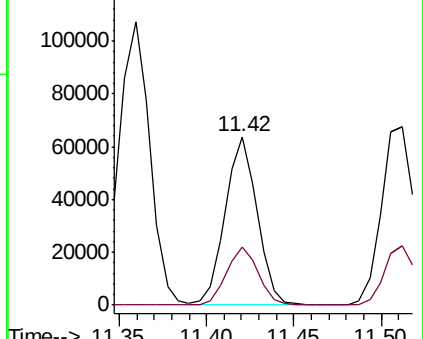
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 9.213 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007929.D

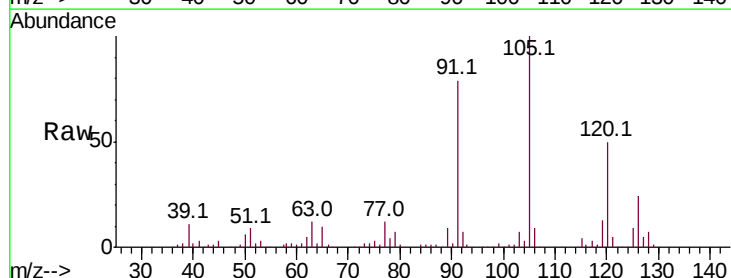
Acq: 08 Mar 2019 14:16

Tgt Ion: 105 Resp: 97678

Ion Ratio Lower Upper

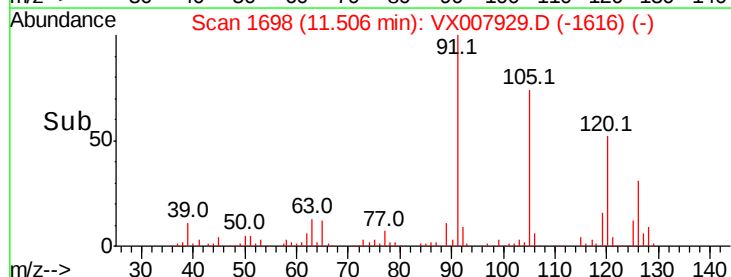
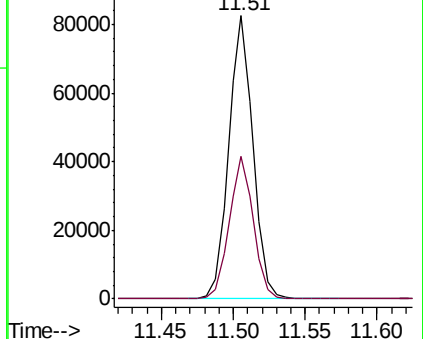
105 100

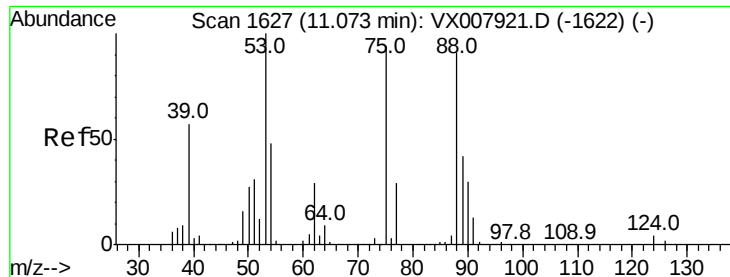
120 50.1 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 7.390 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion: 75 Resp: 9094

Ion Ratio Lower Upper

75 100

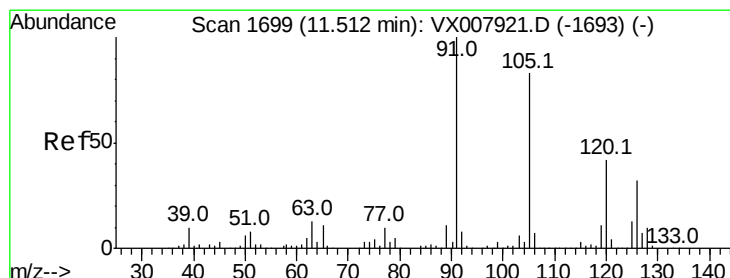
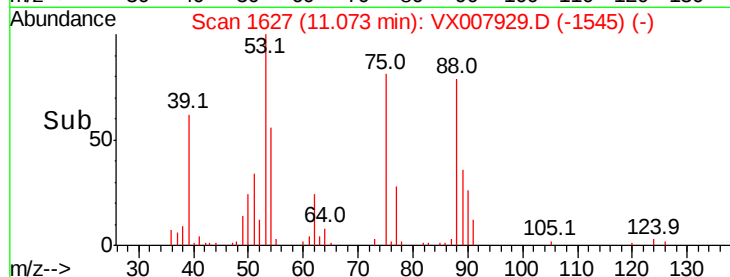
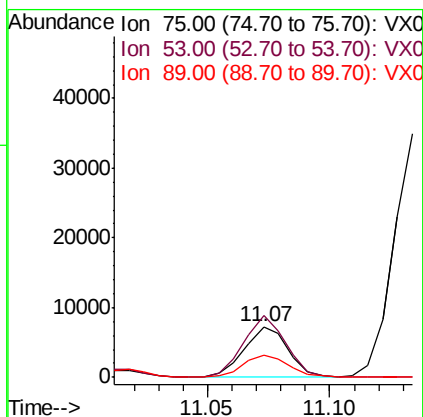
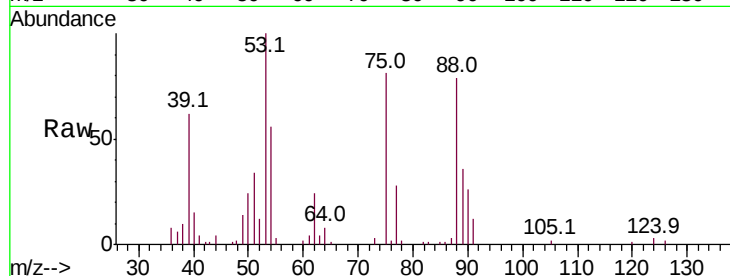
53 122.4 55.5 166.7

89 44.7 24.4 73.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 9.150 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007929.D

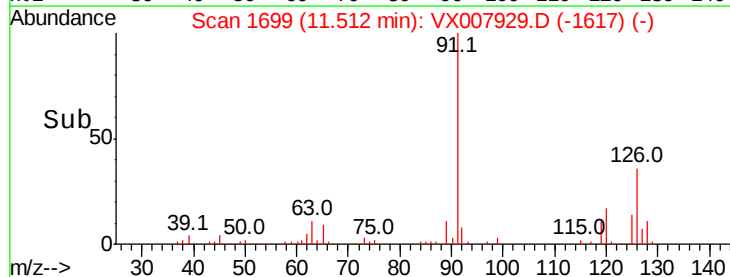
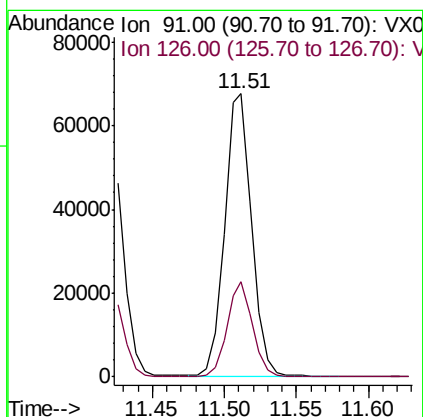
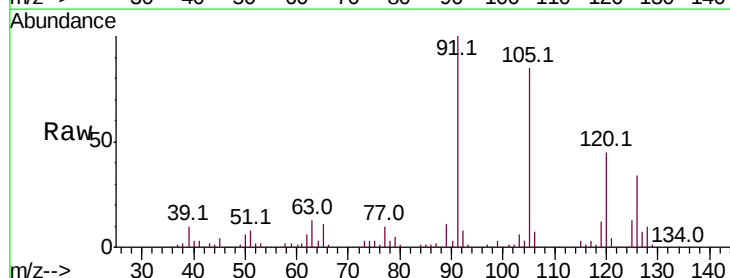
Acq: 08 Mar 2019 14:16

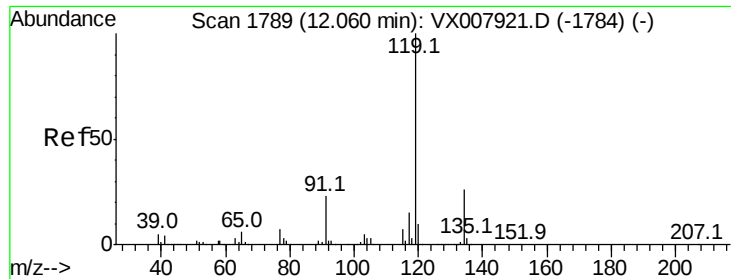
Tgt Ion: 91 Resp: 89479

Ion Ratio Lower Upper

91 100

126 31.2 0.0 66.2





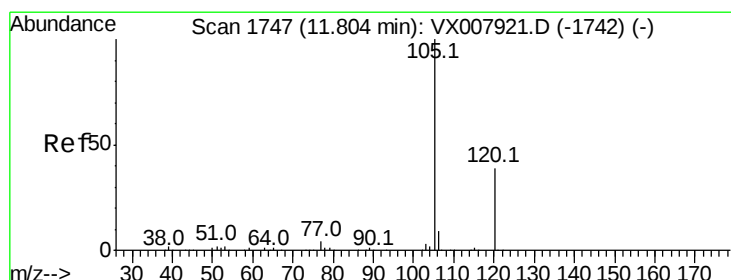
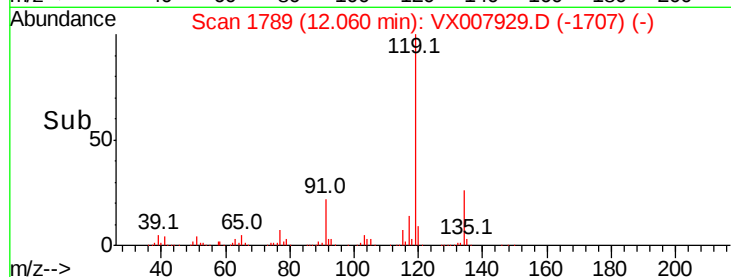
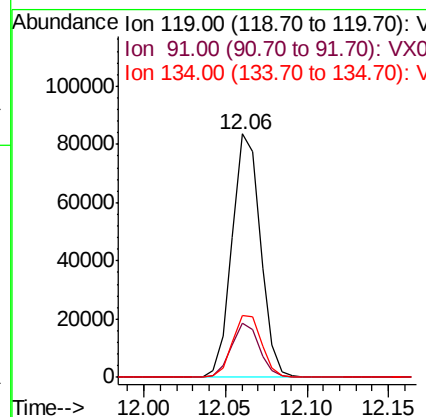
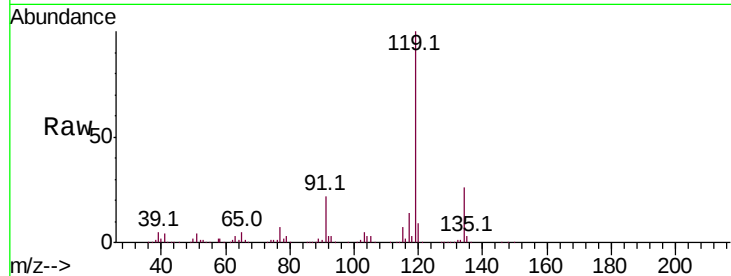
#79
tert-butylbenzene
Concen: 8.961 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	101954		
91	22.1		0.0	45.0
134	26.0		0.0	55.4

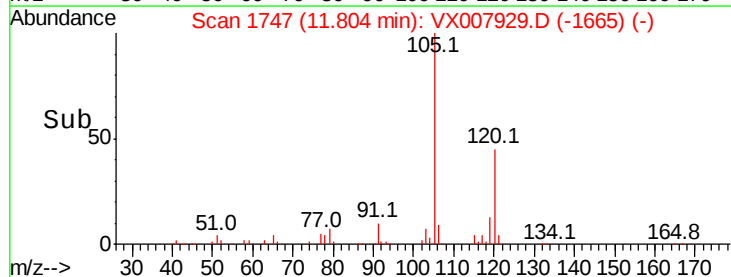
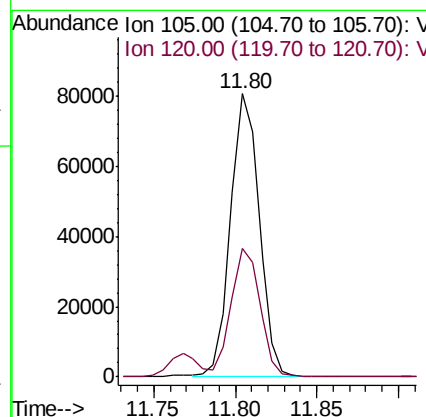
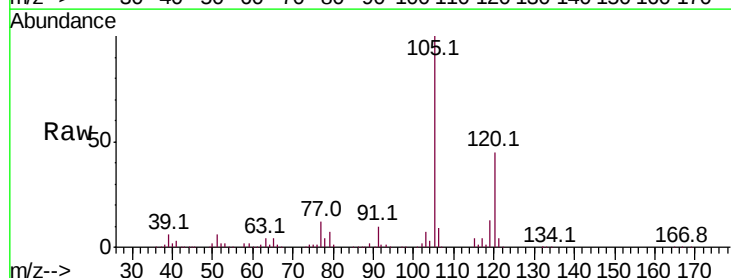
Manual Integrations
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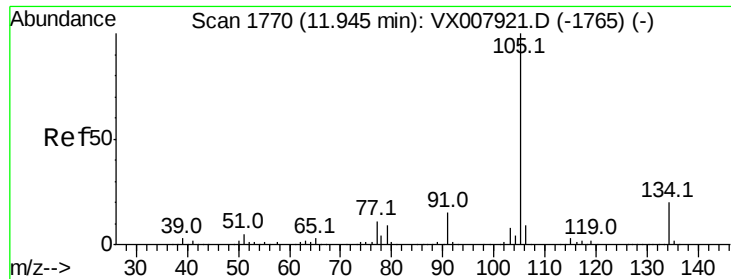
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 9.212 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	99126		
120	45.5		0.0	94.0





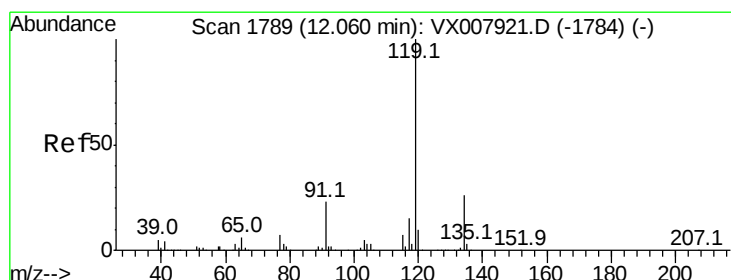
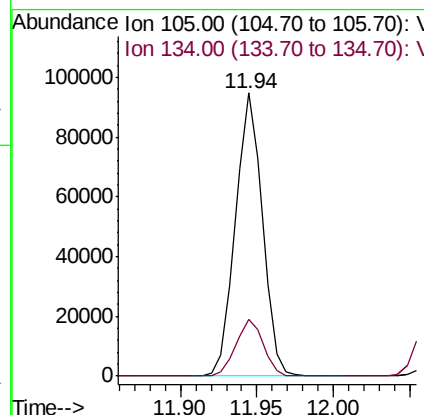
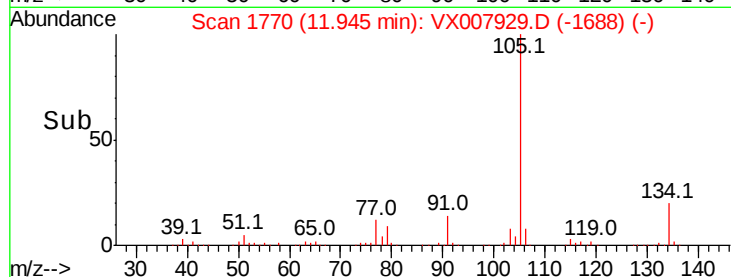
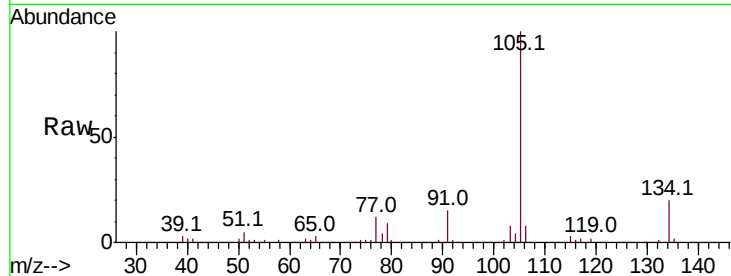
#81
 sec-Butylbenzene
 Concen: 9.099 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	41.8

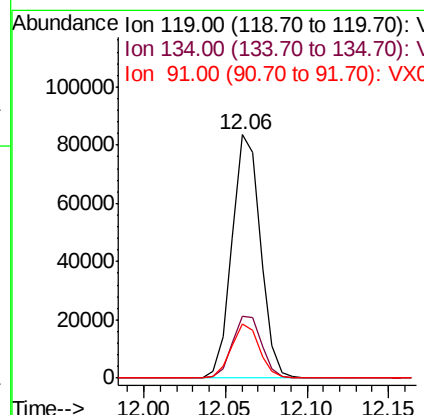
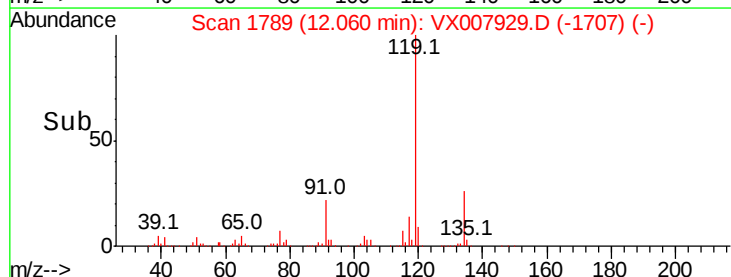
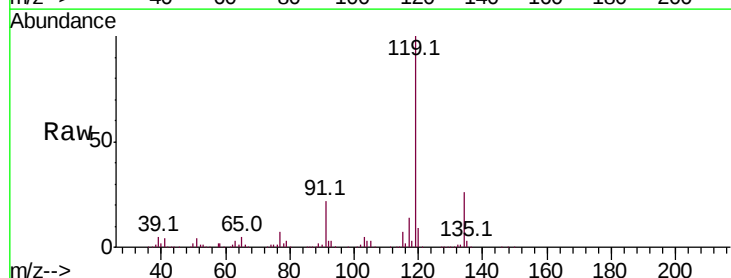
Manual Integrations
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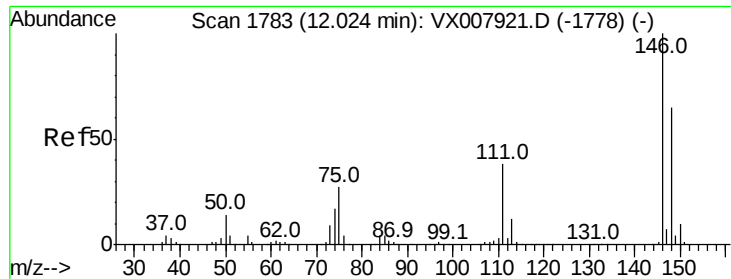
MMDadoda
 3/11/2019 12:01:51 PM



#82
 p-Isopropyltoluene
 Concen: 8.961 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	55.4
91	22.1	0.0	45.0





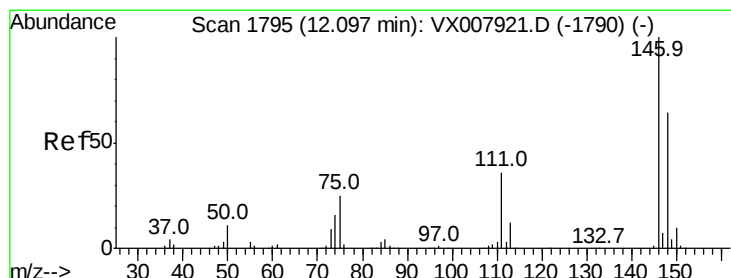
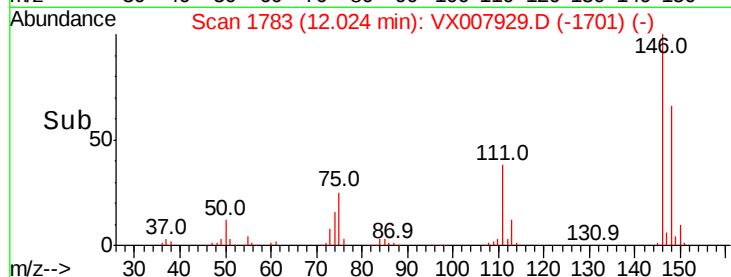
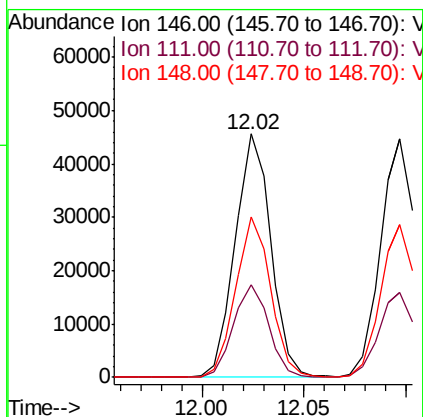
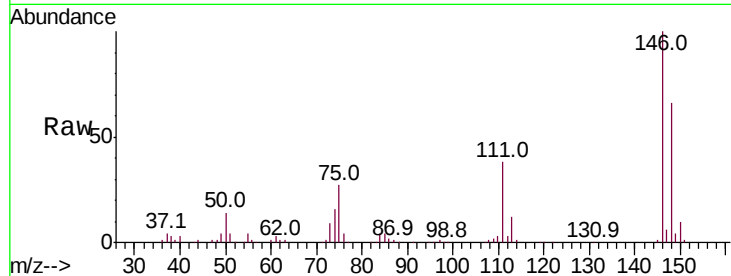
#83
 1,3-Dichlorobenzene
 Concen: 9.139 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	64.7	30.6	91.8

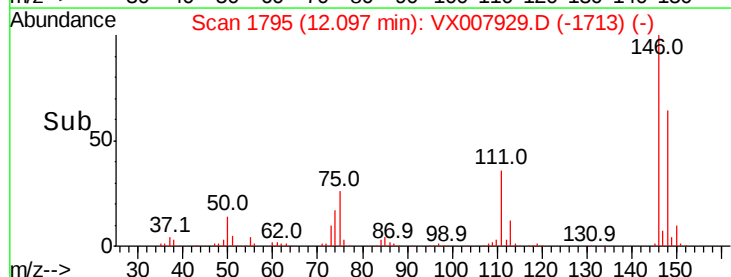
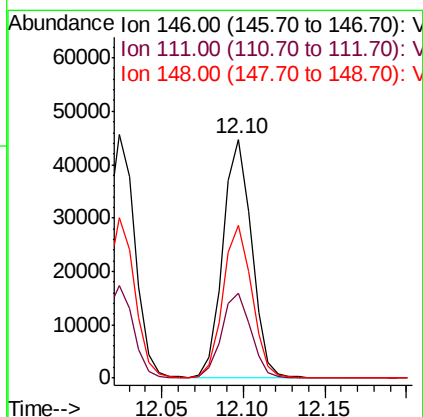
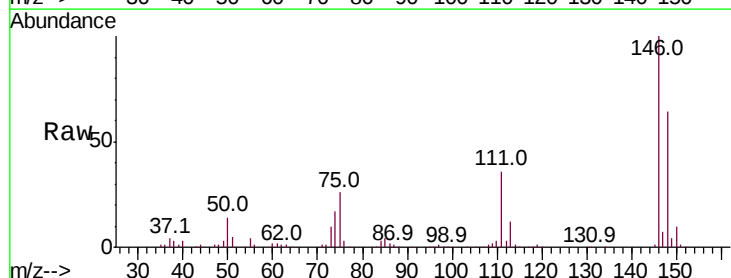
Manual Integrations
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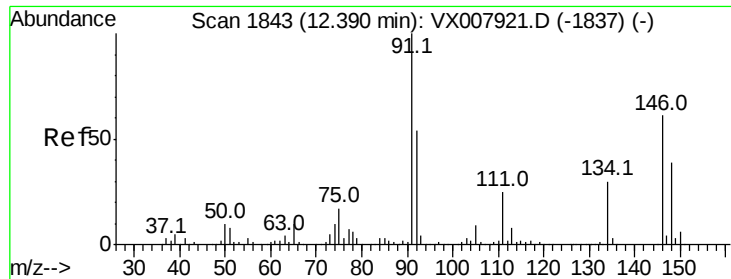
MMDadoda
 3/11/2019 12:01:51 PM



#84
 1,4-Dichlorobenzene
 Concen: 9.109 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.6	52.8
148	64.3	31.4	94.2





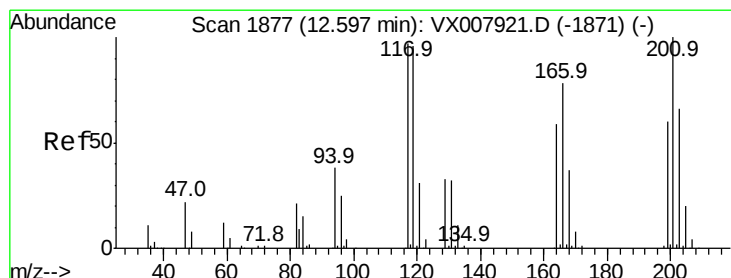
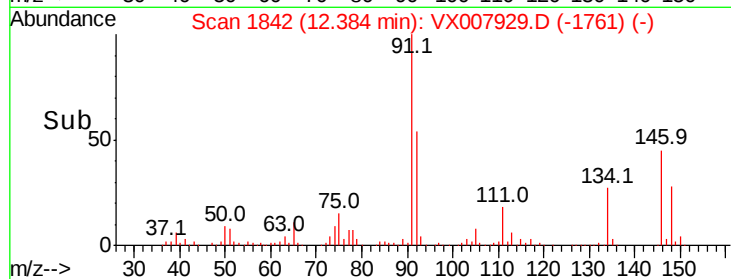
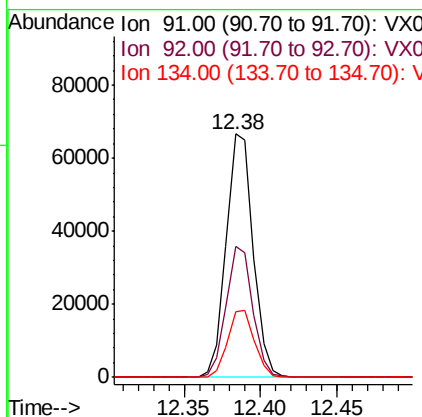
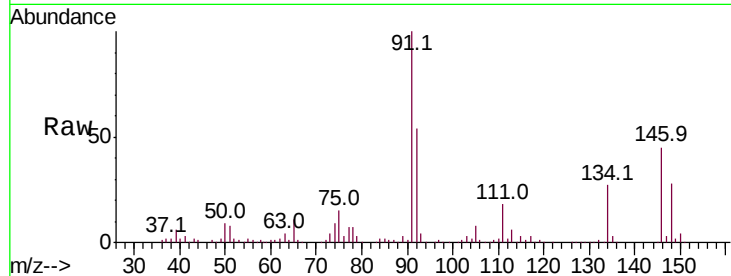
#85
n-Butylbenzene
Concen: 8.373 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

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

Tot Ion: 91 Resp: 81478
Ion Ratio Lower Upper
91 100
92 53.1 0.0 105.2
134 27.4 0.0 56.4

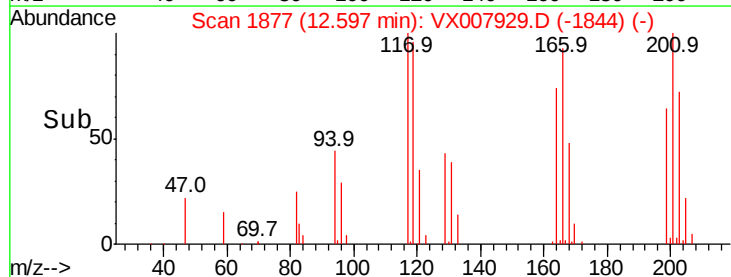
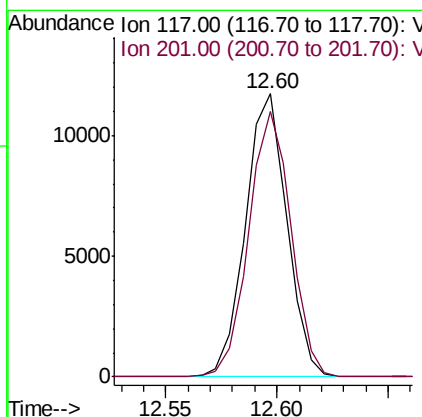
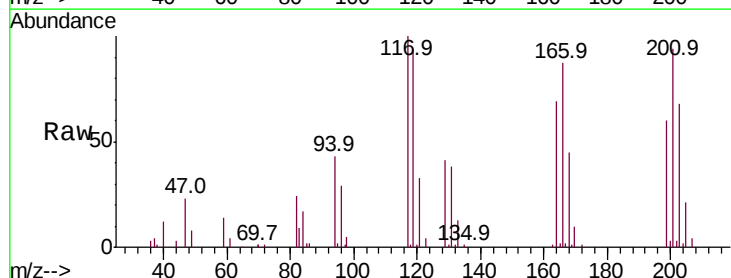
Manual Integrations
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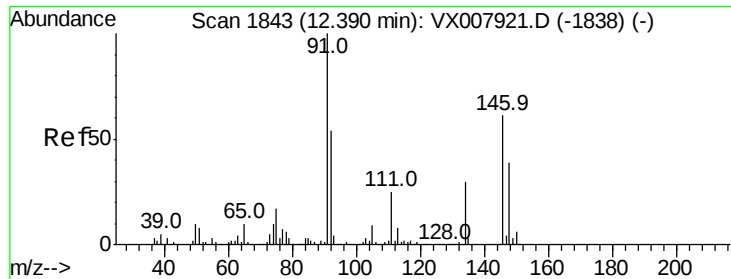
MMDadoda
3/11/2019 12:01:51 PM



#86
Hexachloroethane
Concen: 8.202 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007929.D
Acq: 08 Mar 2019 14:16

Tgt Ion: 117 Resp: 15206
Ion Ratio Lower Upper
117 100
201 95.2 41.1 123.3





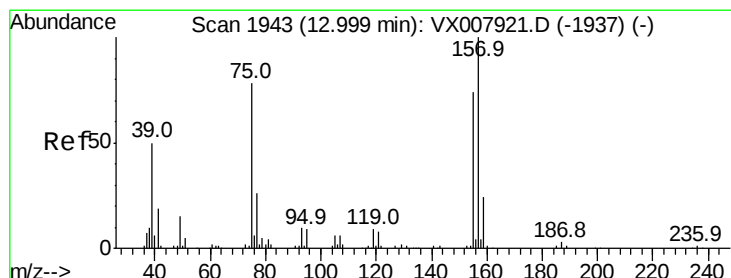
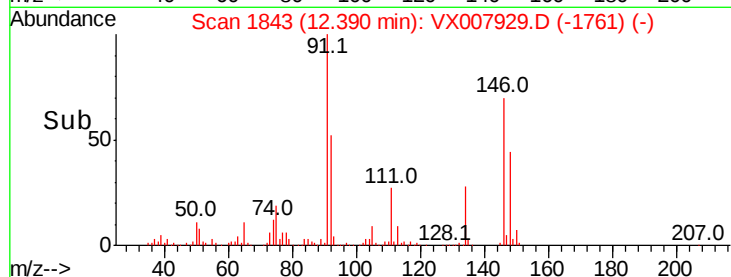
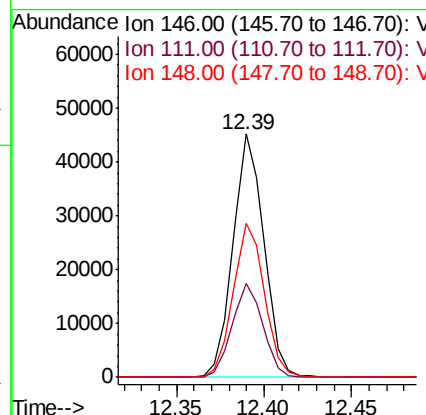
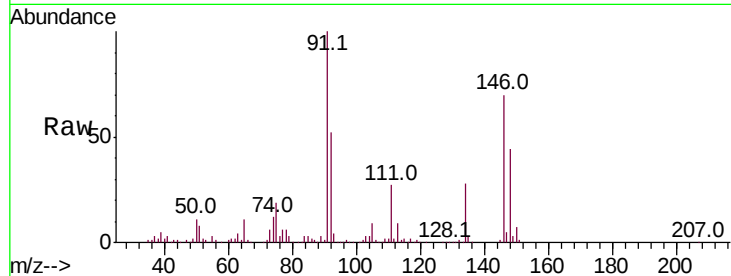
#87
 1,2-Dichlorobenzene
 Concen: 9.304 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	63.8	32.1	96.3

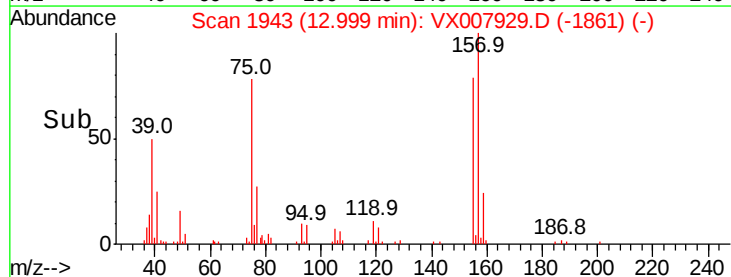
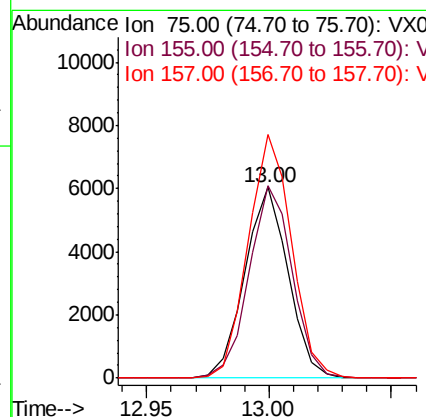
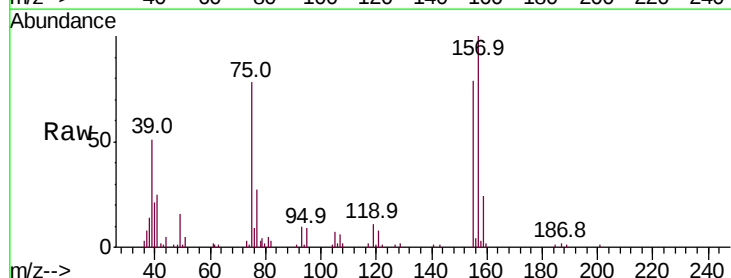
Manual Integrations
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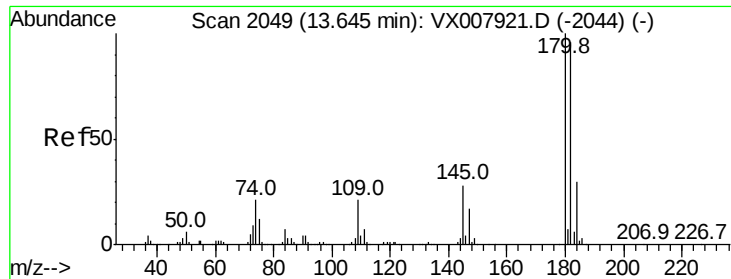
MMDadoda
 3/11/2019 12:01:51 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 8.609 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	81.0	121.6
157	128.3	103.2	154.8





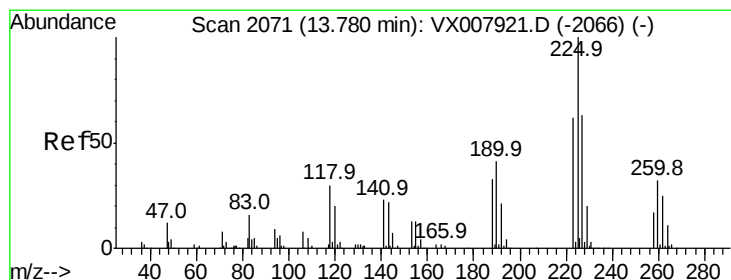
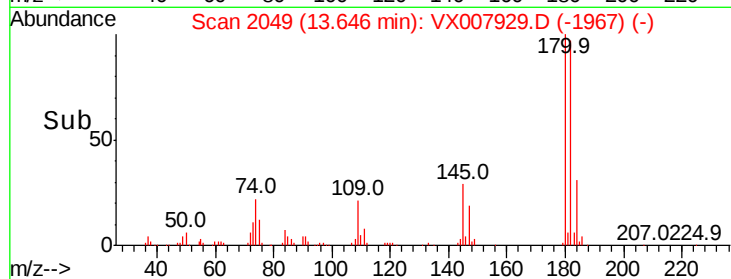
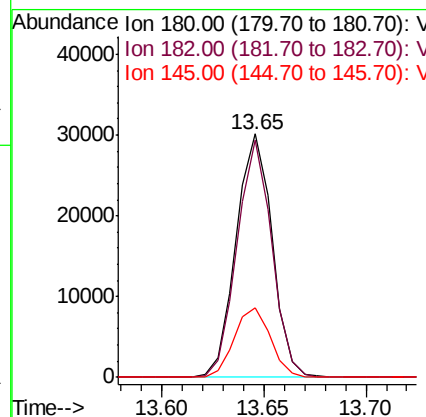
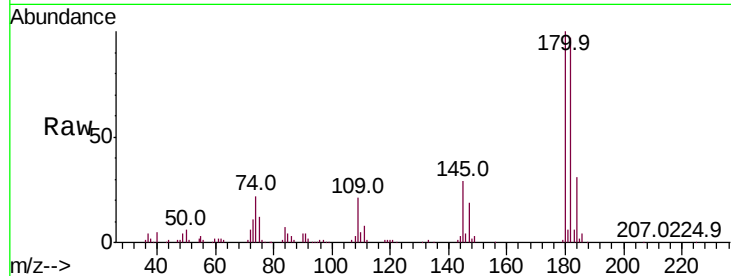
#89
 1,2,4-Trichlorobenzene
 Concen: 8.555 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.6	113.4
145	28.7	23.0	34.6

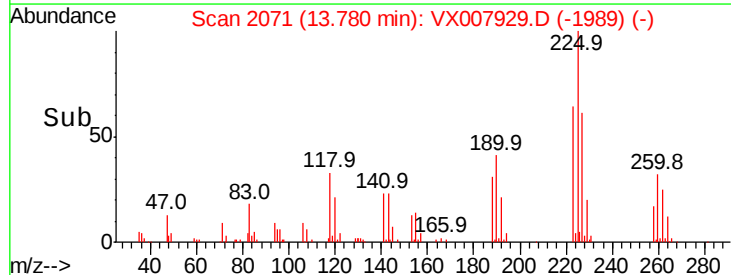
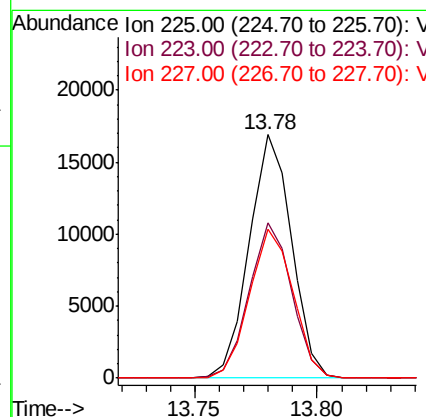
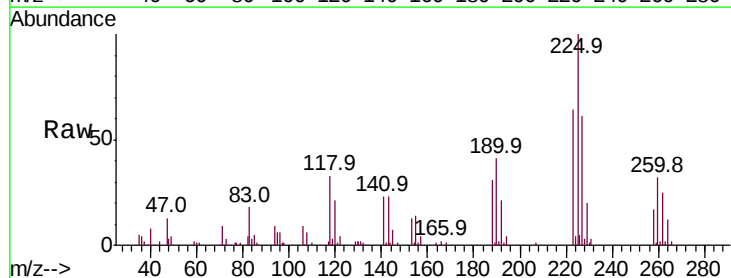
Manual Integrations
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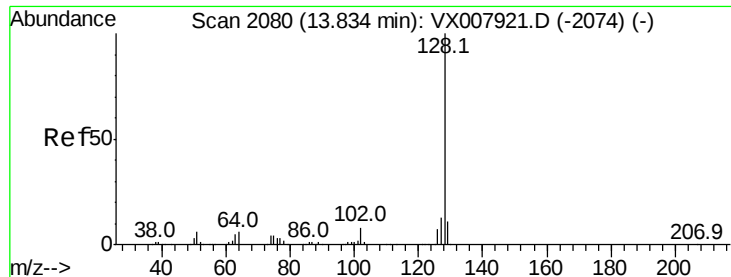
MMDadoda
 3/11/2019 12:01:51 PM



#90
 Hexachlorobutadiene
 Concen: 8.620 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007929.D
 Acq: 08 Mar 2019 14:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	123.8
227	63.1	0.0	124.4





#91

Naphthalene

Concen: 8.759 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Instrument :

MSVOA_X

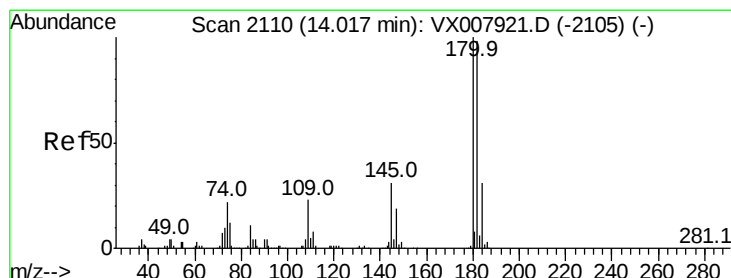
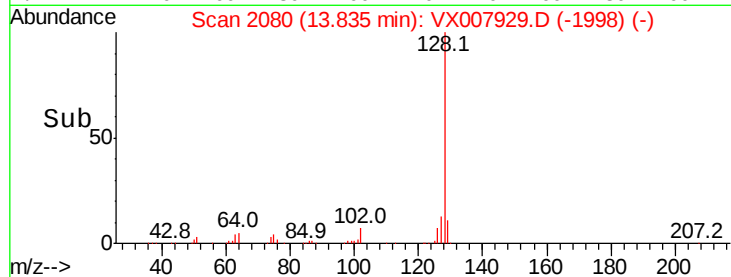
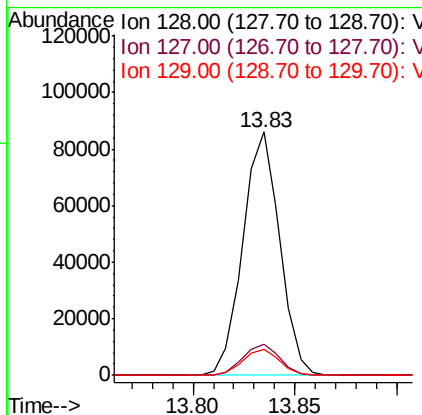
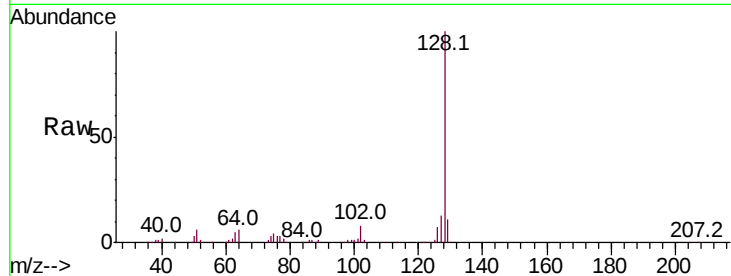
ClientSampleId :

LOQ-WATER-02-QT1-2019

Tot Ion:	128	Resp:	107983
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
3/11/2019 12:01:51 PM



#92

1,2,3-Trichlorobenzene

Concen: 8.850 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007929.D

Acq: 08 Mar 2019 14:16

Tgt Ion:	180	Resp:	37835
Ion Ratio	Lower	Upper	
180	100		
182	95.6	0.0	193.0
145	30.0	0.0	63.0

