

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013159.D
 Acq On : 21 Oct 2019 18:04
 Operator : JC/SP
 Sample : K5111-08 5PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:32:13 PM

Quant Time: Oct 22 02:19:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	26362	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	152993	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	135083	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	62206	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	11.14	95	69336	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	8.71	98	185434	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	8703	4.598	ug/l 96
3) Chloromethane	1.32	50	8518	5.162	ug/l 98
4) Vinyl Chloride	1.40	62	8124	4.762	ug/l 93
5) Bromomethane	1.63	94	5184	5.631	ug/l 91
6) Chloroethane	1.72	64	5318	4.885	ug/l 99
7) Trichlorofluoromethane	1.92	101	12976	4.733	ug/l 94
8) Diethyl Ether	2.18	74	4558	4.871	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8252	4.928	ug/l 93
10) 1,1-Dichloroethene	2.36	96	7763	4.800	ug/l 88
11) Methyl Iodide	2.50	142	7124	3.420	ug/l 91
12) Methyl Acetate	2.76	43	11244m	5.384	ug/l
13) Acrolein	2.28	56	6269	20.166	ug/l 98
14) Acrylonitrile	3.13	53	22617	25.896	ug/l 100
15) Acetone	2.44	58	7062	24.543	ug/l 85
16) Carbon Disulfide	2.56	76	19991	4.629	ug/l 98
17) Allyl chloride	2.72	41	12412	4.825	ug/l 96
18) Methylene Chloride	2.85	84	9641	5.149	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	8484	4.944	ug/l 97
20) Diisopropyl ether	3.85	45	24910	5.007	ug/l 97
21) 1,1-Dichloroethane	3.69	63	15185	5.027	ug/l # 96
22) cis-1,2-Dichloroethene	4.59	96	9971	5.095	ug/l 98
23) tert-Butyl Alcohol	3.03	59	14064	30.565	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	27606	4.950	ug/l 95
25) Chloroform	5.20	83	15734	4.956	ug/l 93
26) Cyclohexane	5.58	56	12900	4.867	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	10844	4.563	ug/l # 84
30) 2-Butanone	4.66	43	32796	26.306	ug/l 96
31) 2,2-Dichloropropane	4.58	77	12816	4.664	ug/l 95
32) 1,1,1-Trichloroethane	5.49	97	13208	4.592	ug/l # 87
33) Carbon Tetrachloride	5.78	117	11179	4.522	ug/l # 94
34) Benzene	6.14	78	33732	4.930	ug/l 99
35) Methacrylonitrile	5.03	41	6563	5.133	ug/l 90
36) 1,2-Dichloroethane	6.19	62	12262	4.741	ug/l 100
37) Trichloroethene	7.21	130	9468	4.989	ug/l 87
38) Methylcyclohexane	7.45	83	13329	4.598	ug/l 98
39) 1,2-Dichloropropane	7.51	63	8380	4.990	ug/l 97
40) Dibromomethane	7.65	93	6041	5.036	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.89	83	10495	4.339	ug/l	100
42) Vinyl Acetate	3.80	43	104254	24.115	ug/l	98
43) Ethyl Acetate	4.83	43	12360	5.436	ug/l #	84
44) Isopropyl Acetate	6.44	43	18935	4.955	ug/l	100
45) 1,4-Dioxane	7.74	88	5011	103.681	ug/l	98
46) Methyl methacrylate	7.76	41	8577	4.561	ug/l	91
47) n-amyl Acetate	10.90	43	14134	4.387	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	11074	4.174	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	12626	4.373	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	8711	4.917	ug/l	94
51) Ethyl methacrylate	9.17	69	12269	4.417	ug/l	98
52) 1,3-Dichloropropane	9.37	76	14219	4.766	ug/l	98
53) Dibromochloromethane	9.57	129	7576	3.965	ug/l	95
54) 1,2-Dibromoethane	9.67	107	9228	4.872	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	28100	24.903	ug/l	99
56) Bromoform	10.85	173	5121	3.777	ug/l	97
58) 4-Methyl-2-Pentanone	8.64	43	58608	25.748	ug/l	99
59) 2-Hexanone	9.49	43	44024	24.679	ug/l	99
61) Tetrachloroethene	9.33	164	9581	5.350	ug/l	94
62) Toluene	8.78	91	38044	5.217	ug/l	97
64) Chlorobenzene	10.14	112	23330	4.990	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	7957	4.543	ug/l	98
66) Ethyl Benzene	10.25	91	39882	4.752	ug/l	98
67) m/p-Xylenes	10.36	106	30872	9.678	ug/l	99
68) o-Xylene	10.70	106	14723	4.835	ug/l	97
69) Styrene	10.71	104	24229	4.624	ug/l	98
70) Isopropylbenzene	11.01	105	40095	4.799	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	12532	4.895	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	12089m	5.436	ug/l	
73) Bromobenzene	11.25	156	9182	4.579	ug/l	96
74) n-propylbenzene	11.35	91	42097	4.590	ug/l	98
75) 2-Chlorotoluene	11.42	91	27343	4.765	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	32531	4.638	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	3226	3.736	ug/l	93
78) 4-Chlorotoluene	11.51	91	31090	4.741	ug/l	99
79) tert-butylbenzene	11.76	119	31245	4.626	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	31284	4.465	ug/l	98
81) sec-Butylbenzene	11.94	105	36623	4.552	ug/l	97
82) p-Isopropyltoluene	12.06	119	34098	4.635	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	17230	4.705	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	16957	4.682	ug/l	97
85) n-Butylbenzene	12.39	91	26005	4.162	ug/l	100
86) Hexachloroethane	12.59	117	5042	3.927	ug/l	91
87) 1,2-Dichlorobenzene	12.39	146	16920	4.763	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	2676	4.242	ug/l	94
89) 1,2,4-Trichlorobenzene	13.64	180	9742	4.410	ug/l	94
90) Hexachlorobutadiene	13.78	225	4708	4.197	ug/l	95
91) Naphthalene	13.83	128	29597	4.119	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	9889	4.369	ug/l	99

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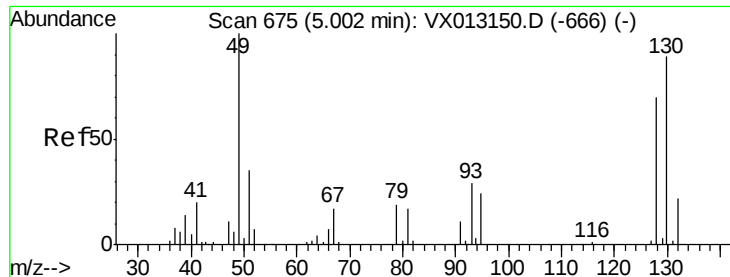
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

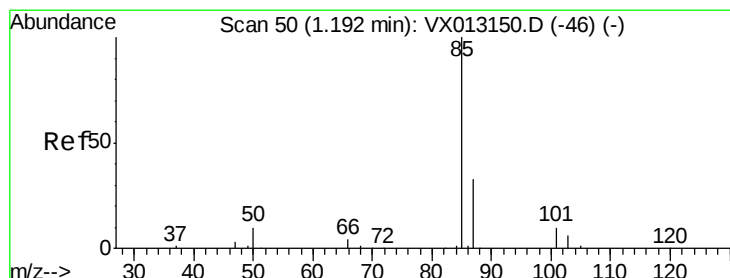
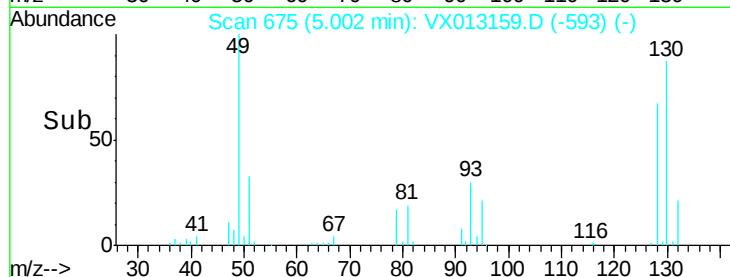
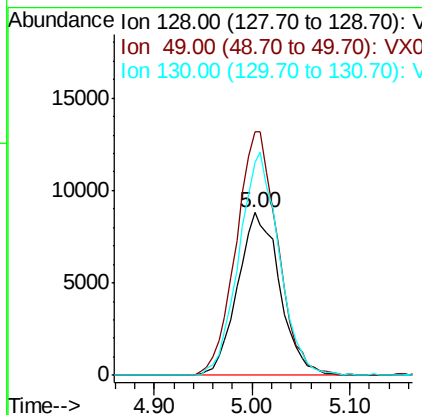
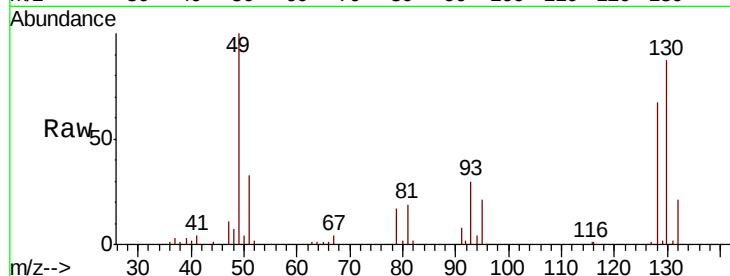
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
49	147.1	0.0	367.3
130	130.7	0.0	325.0

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#2

Dichlorodifluoromethane

Concen: 4.598 ug/l

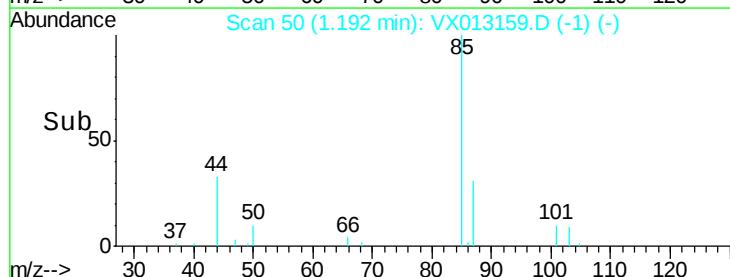
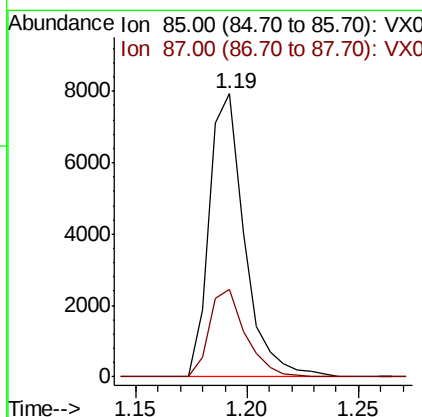
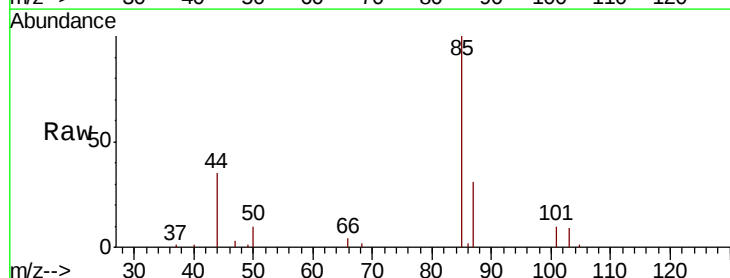
RT: 1.19 min Scan# 50

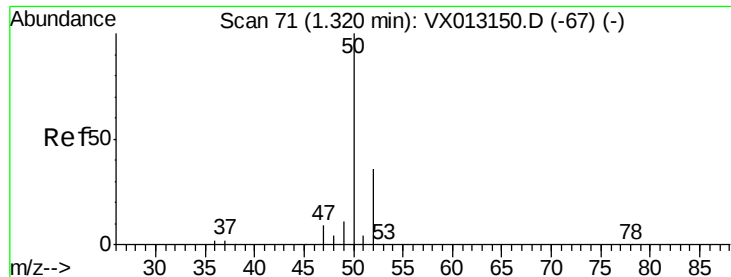
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.6	49.7





#3

Chloromethane

Concen: 5.162 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 50 Resp: 8518

Ion Ratio Lower Upper

50 100

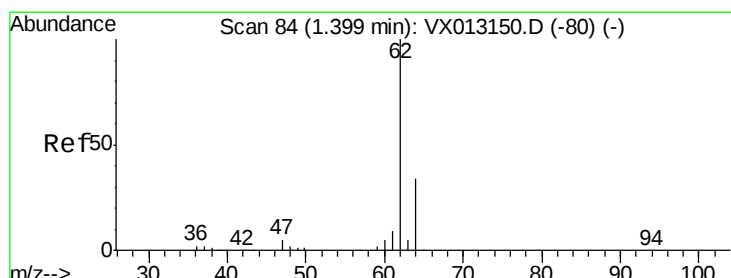
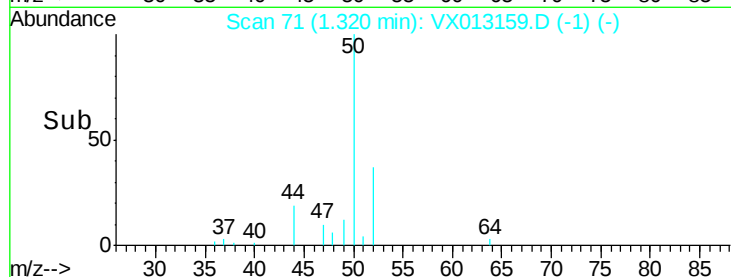
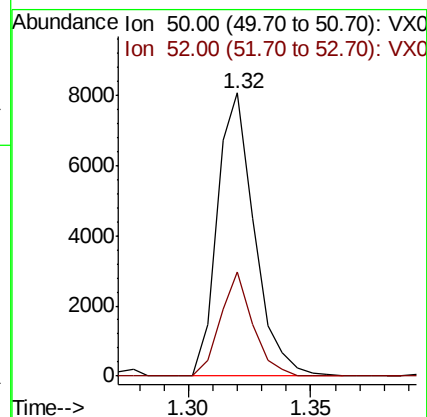
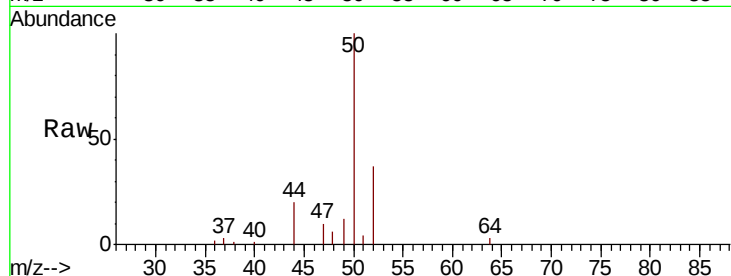
52 36.8 28.6 42.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.762 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013159.D

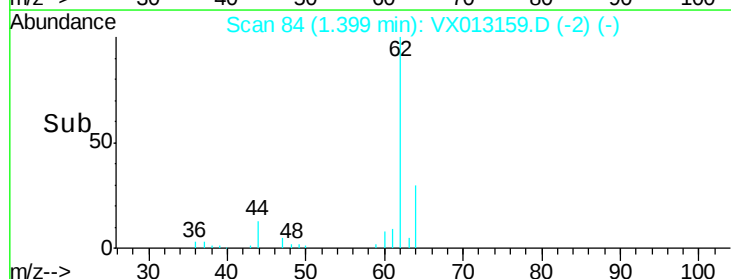
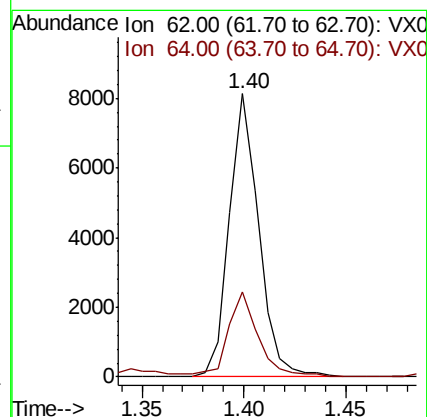
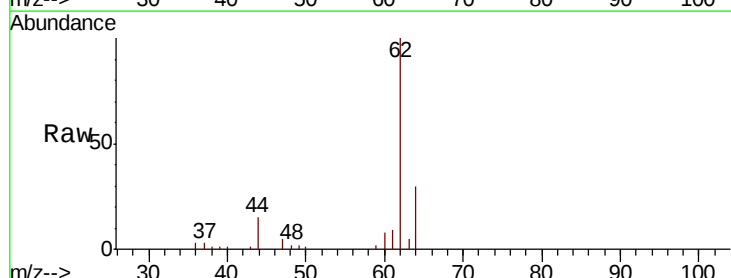
Acq: 21 Oct 2019 18:04

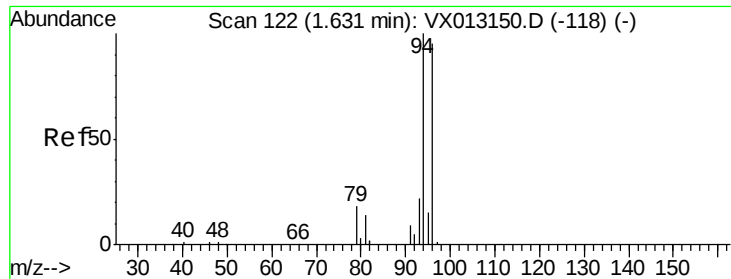
Tgt Ion: 62 Resp: 8124

Ion Ratio Lower Upper

62 100

64 30.0 27.3 40.9





#5

Bromomethane

Concen: 5.631 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 94 Resp: 5184

Ion Ratio Lower Upper

94 100

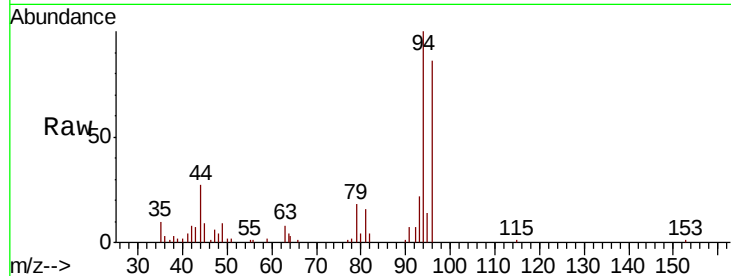
96 86.1 75.9 113.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

6000

5000

4000

3000

2000

1000

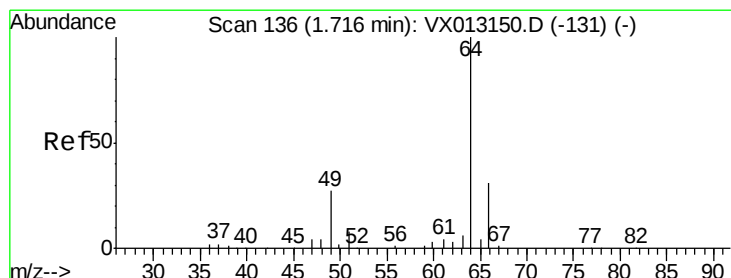
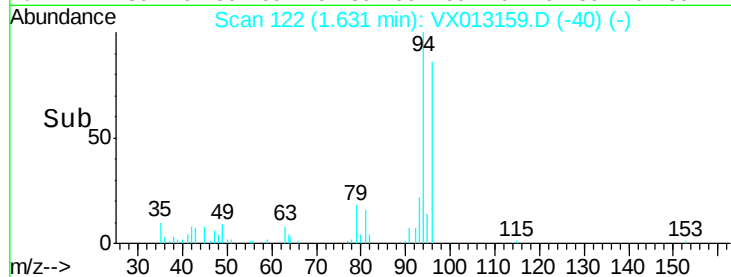
0

1.60

1.63

1.65

Time-->



#6

Chloroethane

Concen: 4.885 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013159.D

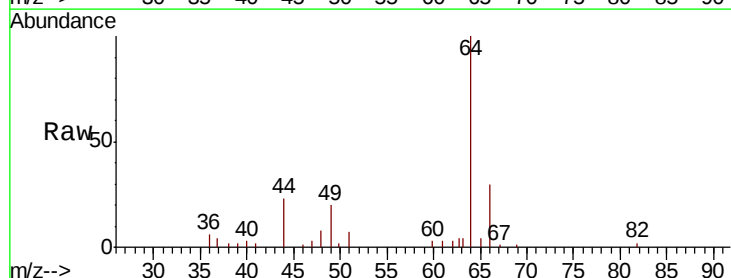
Acq: 21 Oct 2019 18:04

Tgt Ion: 64 Resp: 5318

Ion Ratio Lower Upper

64 100

66 32.3 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

5000

4000

3000

2000

1000

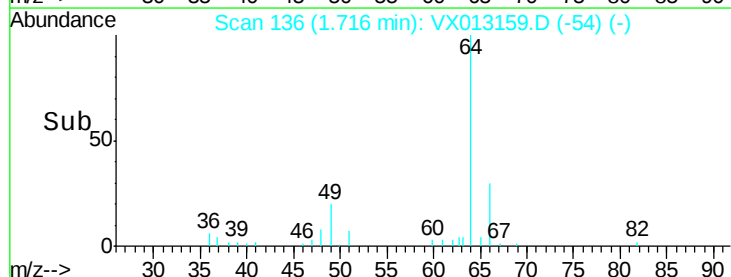
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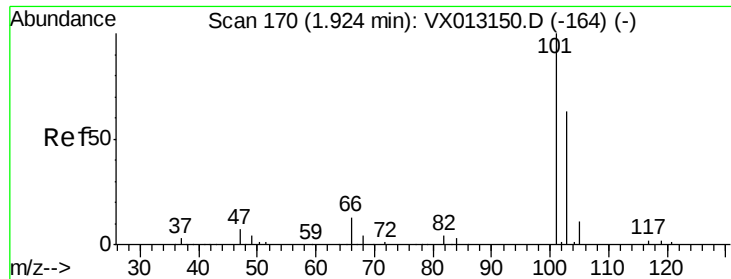
1.70

1.72

1.75

Time-->





#7

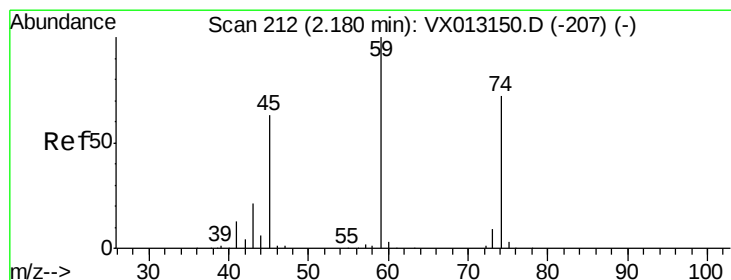
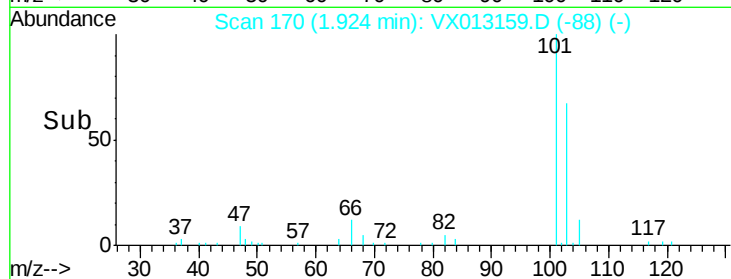
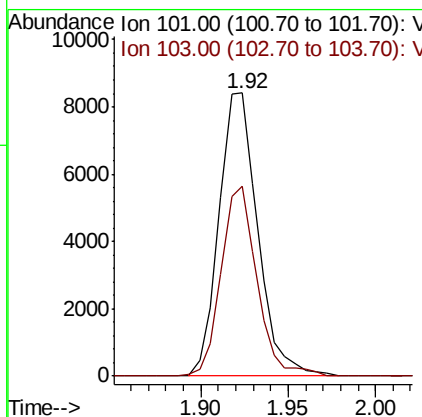
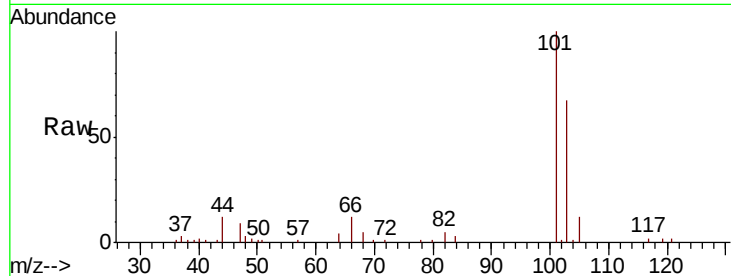
Trichlorofluoromethane
 Concen: 4.733 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:101 Resp: 12976
 Ion Ratio Lower Upper
 101 100
 103 67.3 50.2 75.4

Manual Integrations
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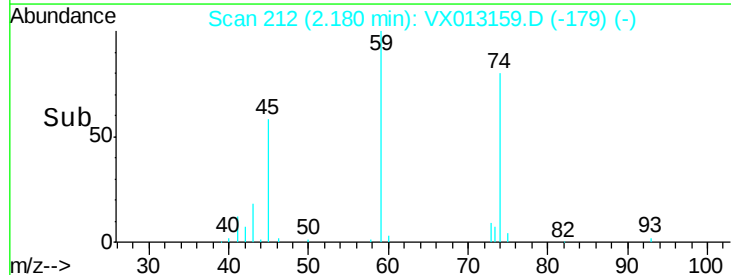
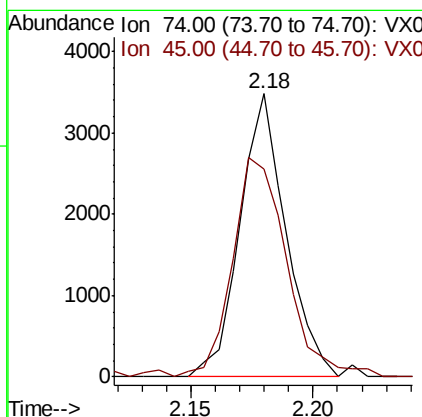
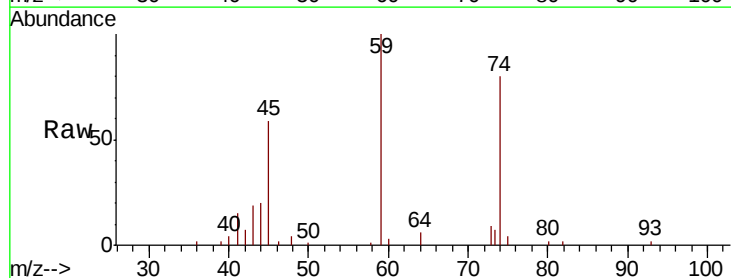
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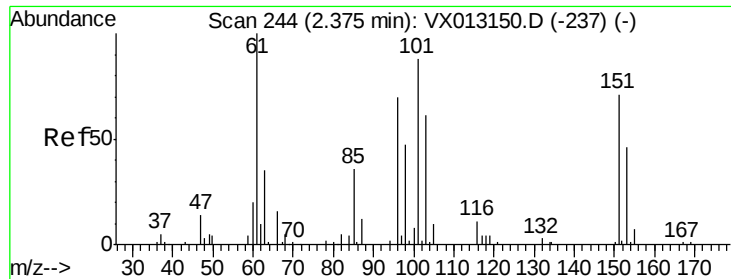


#8

Diethyl Ether
 Concen: 4.871 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 74 Resp: 4558
 Ion Ratio Lower Upper
 74 100
 45 90.8 18.4 165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.928 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

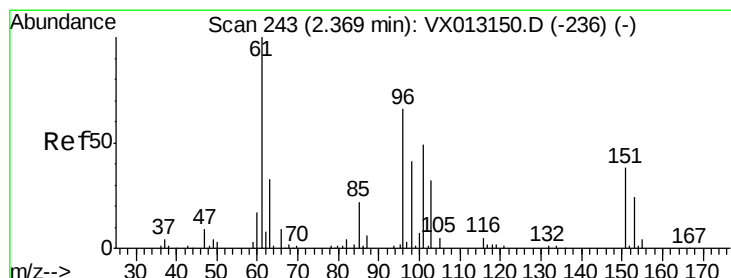
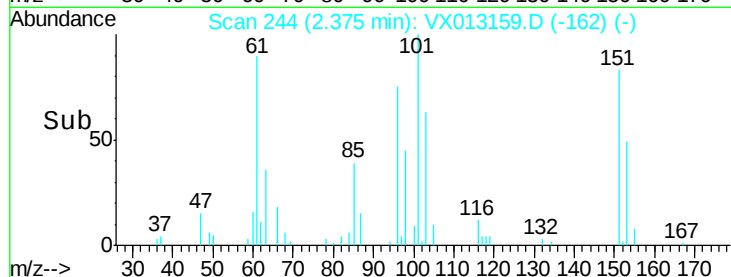
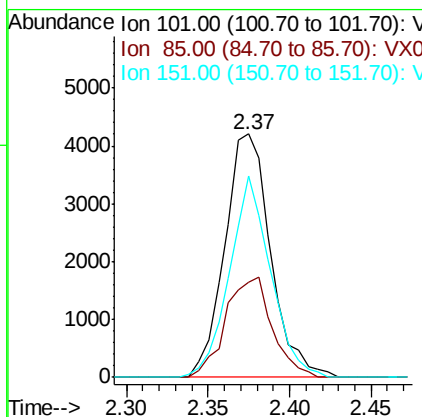
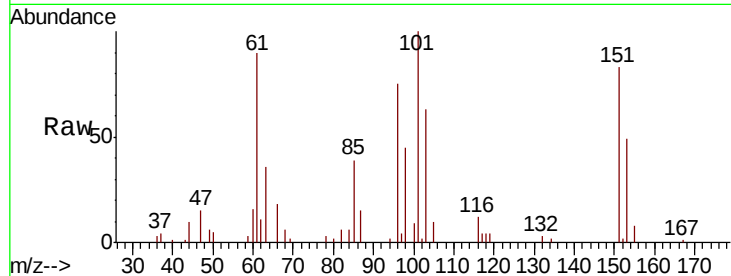
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	101	Resp:	8252
Ion Ratio	Lower	Upper	
101	100		
85	41.6	0.0	87.2
151	73.9	0.0	163.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 4.800 ug/l

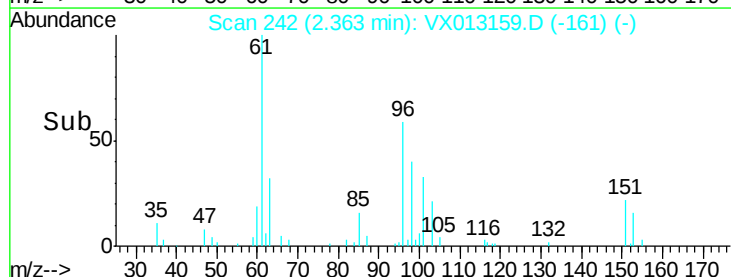
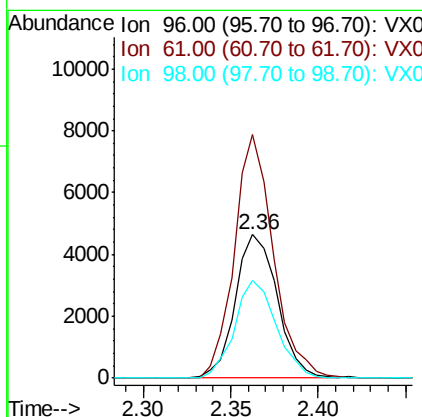
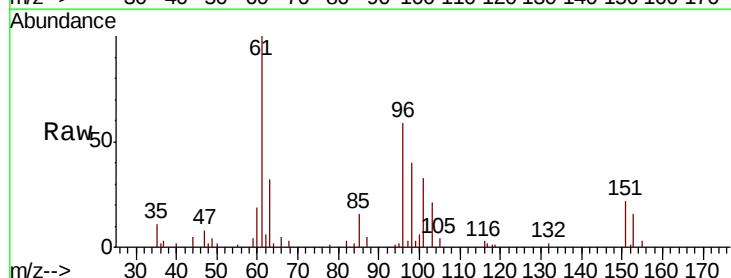
RT: 2.36 min Scan# 242

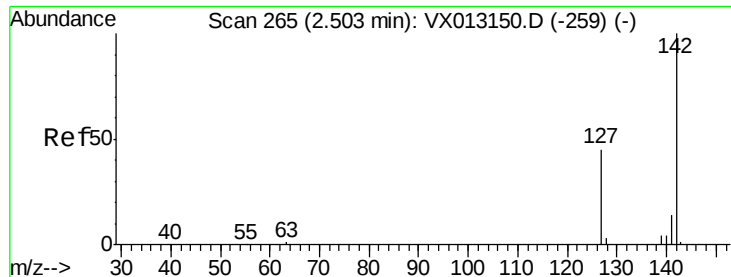
Delta R.T. -0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion:	96	Resp:	7763
Ion Ratio	Lower	Upper	
96	100		
61	169.7	121.3	181.9
98	68.3	49.5	74.3





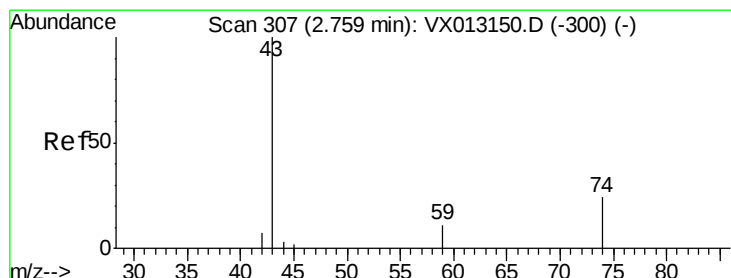
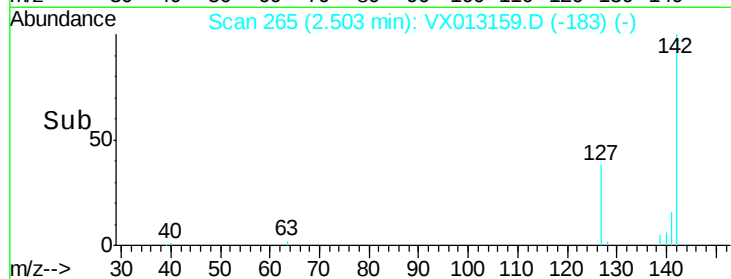
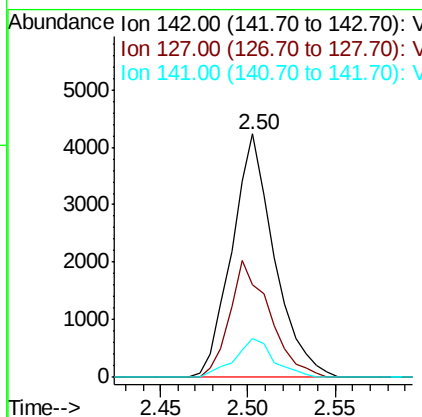
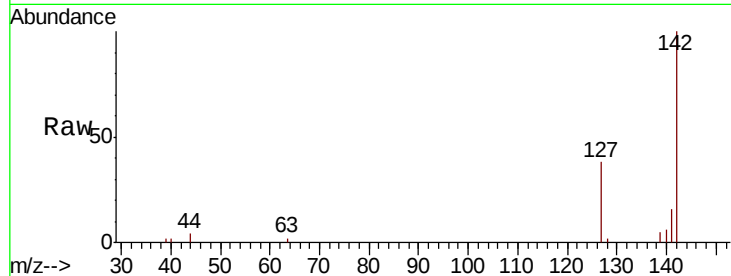
#11
Methyl Iodide
Concen: 3.420 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	22.3	66.9
141	16.1	7.1	21.3

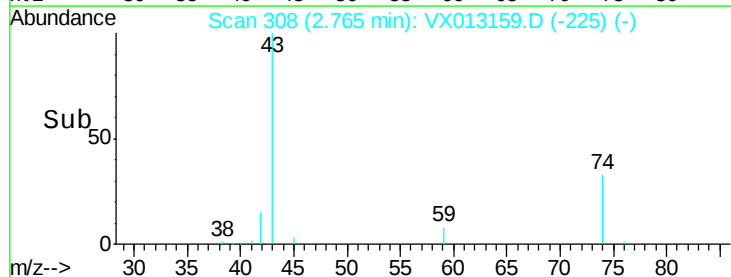
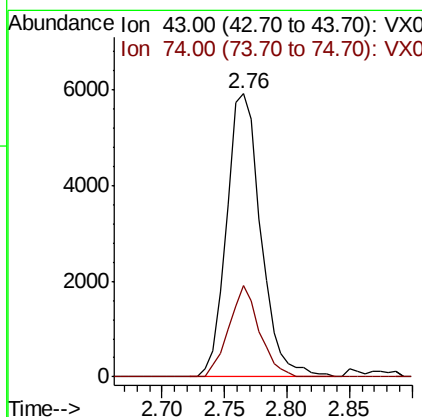
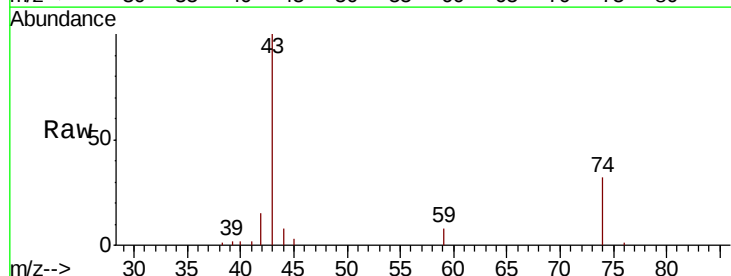
Manual Integrations
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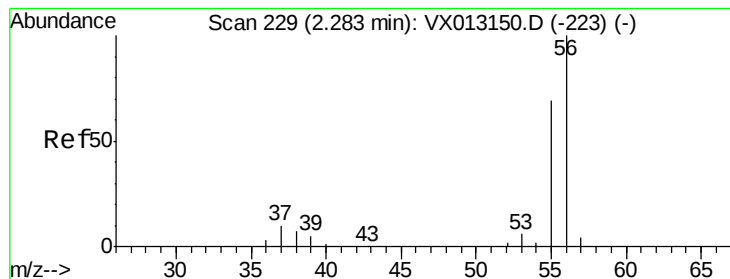
MMDadoda
10/22/2019 12:32:13 PM



#12
Methyl Acetate
Concen: 5.384 ug/l m
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.2	19.7	29.5#





#13

Acrolein

Concen: 20.166 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 56 Resp: 6269

Ion Ratio Lower Upper

56 100

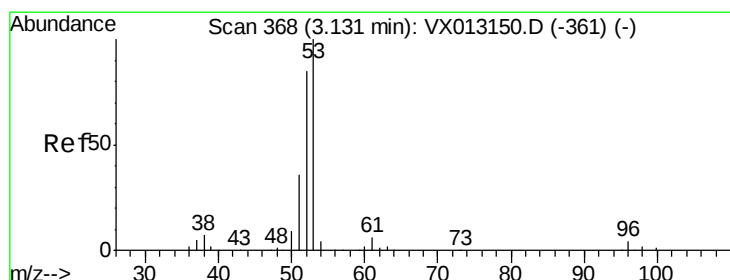
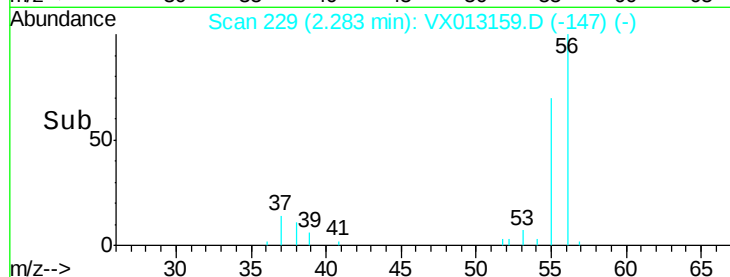
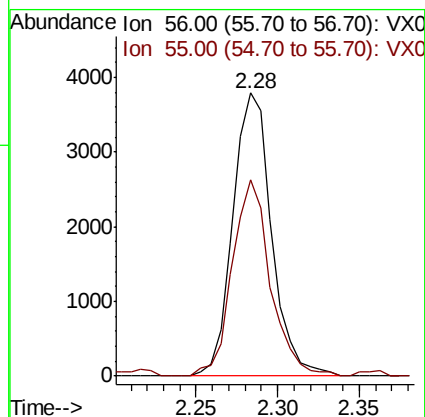
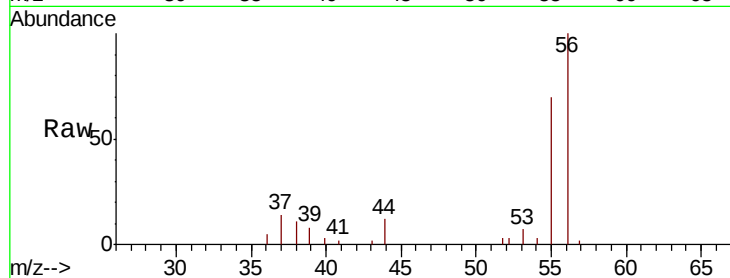
55 68.1 55.8 83.8

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#14

Acrylonitrile

Concen: 25.896 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

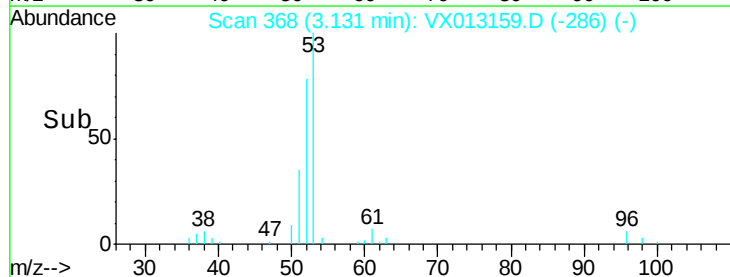
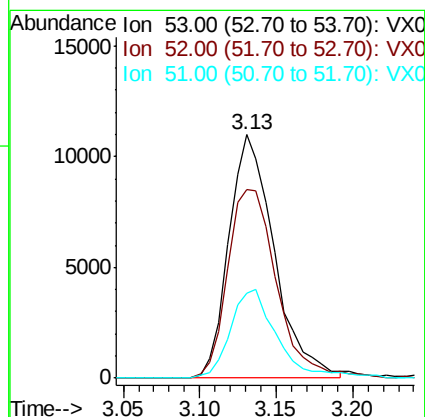
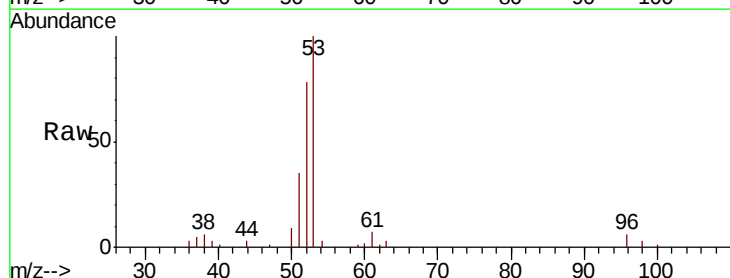
Tgt Ion: 53 Resp: 22617

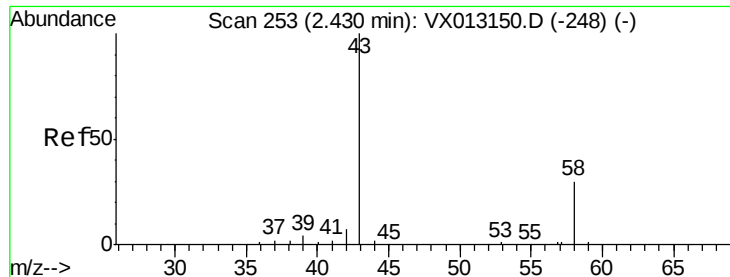
Ion Ratio Lower Upper

53 100

52 84.0 42.0 126.0

51 37.0 18.6 56.0





#15

Acetone

Concen: 24.543 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 58 Resp: 7062

Ion Ratio Lower Upper

58 100

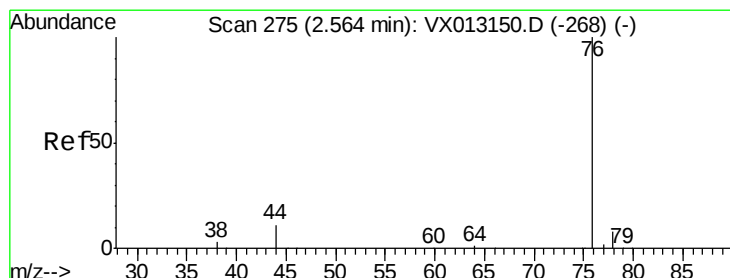
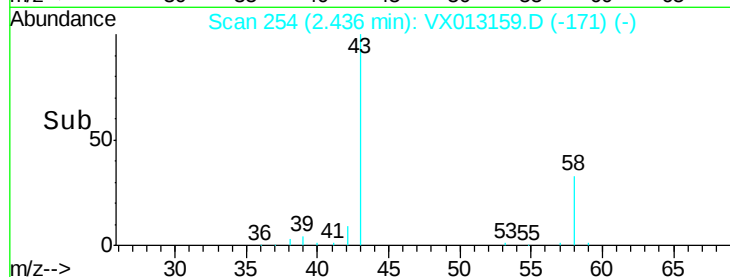
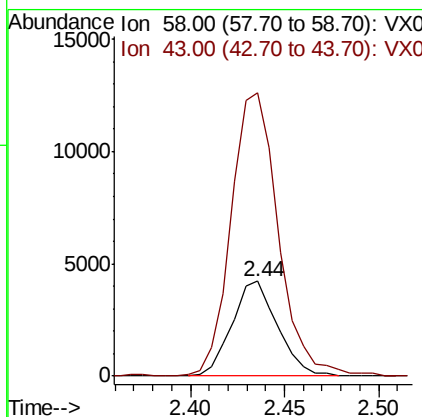
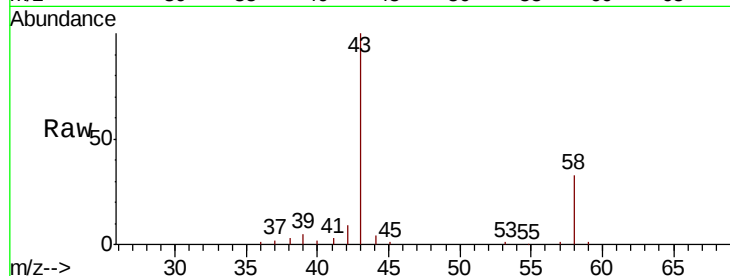
43 297.6 262.8 394.2

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#16

Carbon Disulfide

Concen: 4.629 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013159.D

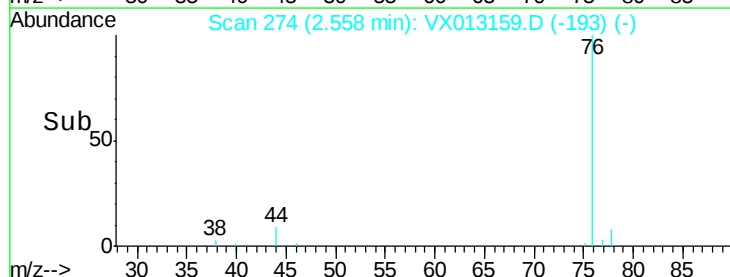
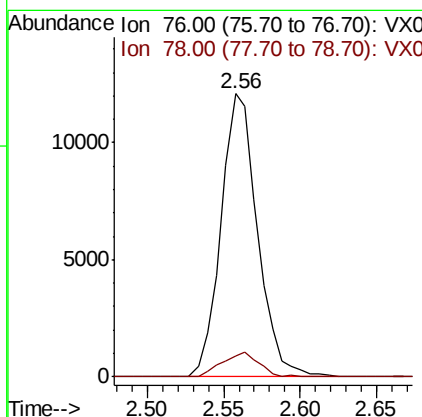
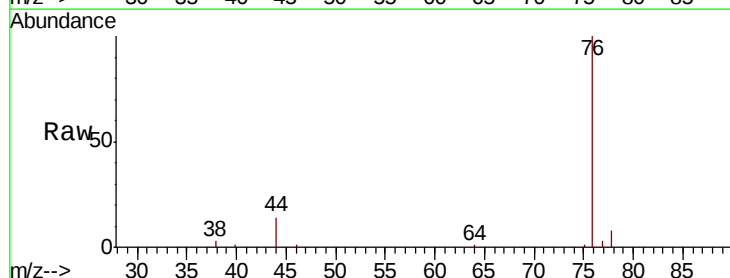
Acq: 21 Oct 2019 18:04

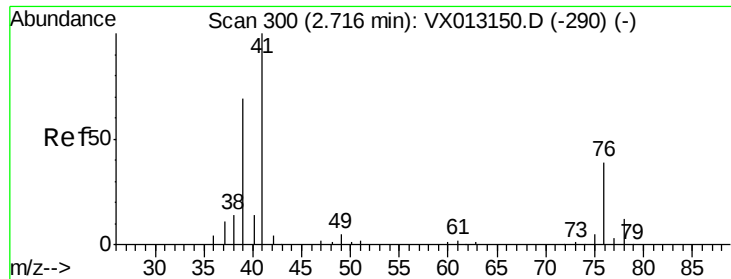
Tgt Ion: 76 Resp: 19991

Ion Ratio Lower Upper

76 100

78 7.5 6.6 10.0





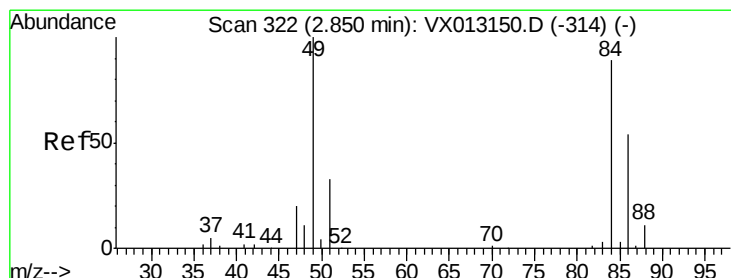
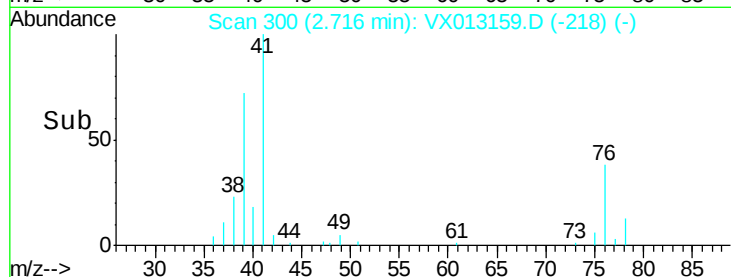
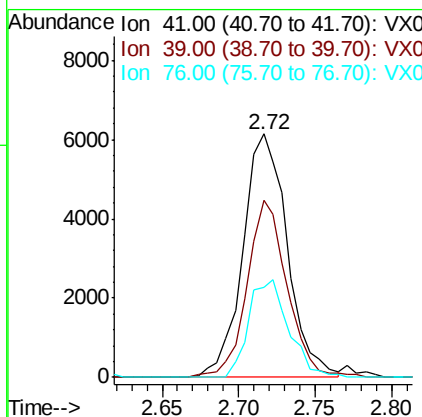
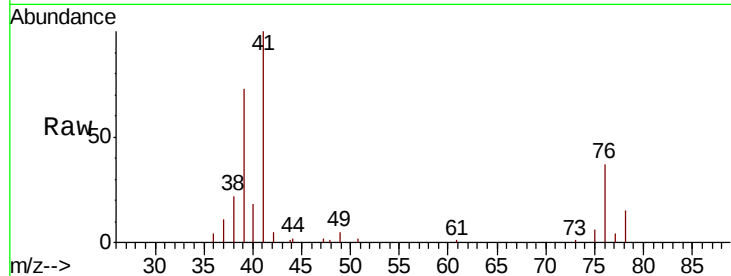
#17
Allvl chloride
Concen: 4.825 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	34.7	104.1
76	37.2	19.7	59.0

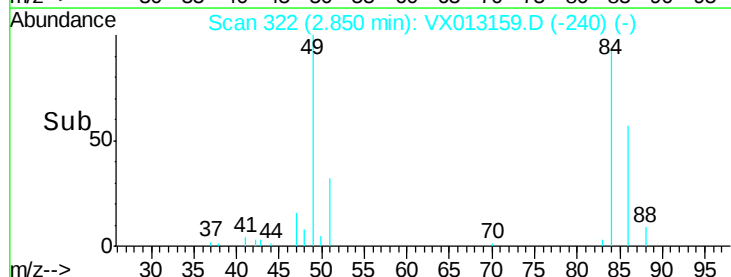
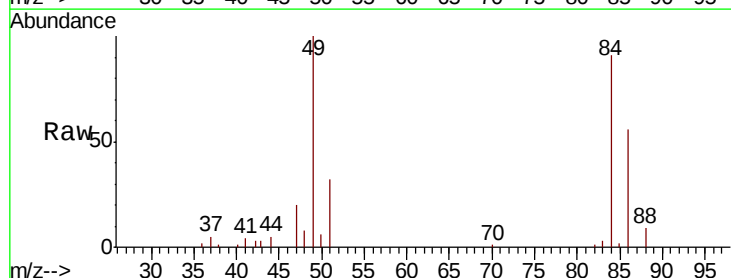
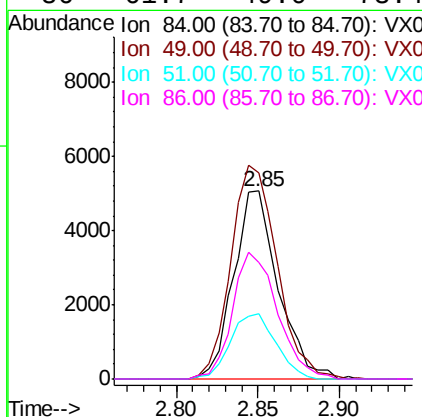
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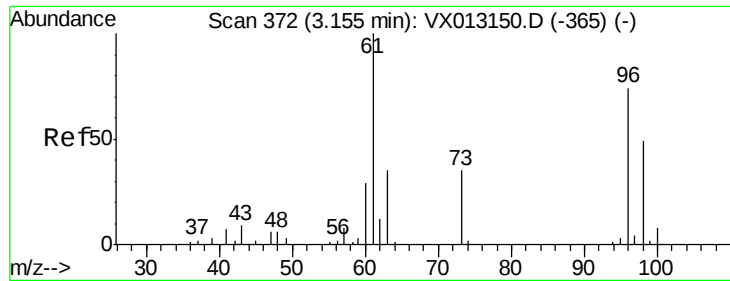
MMDadoda
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#18
Methylene Chloride
Concen: 5.149 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	90.3	135.5
51	34.9	29.9	44.9
86	61.7	49.0	73.4





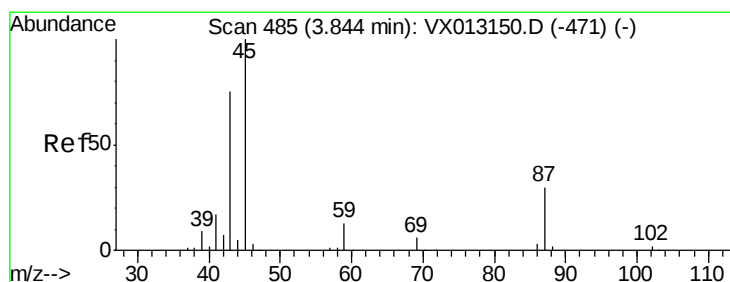
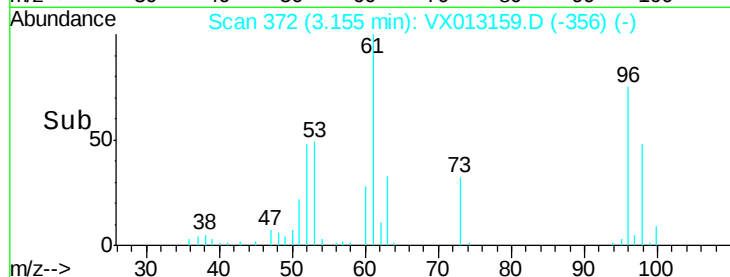
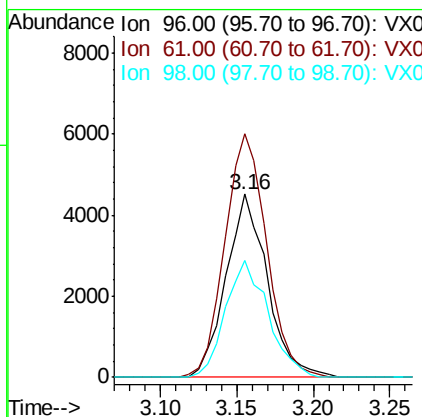
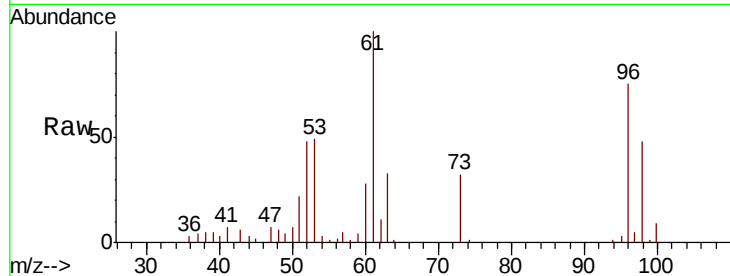
#19
trans-1,2-Dichloroethene
Concen: 4.944 ug/l
RT: 3.16 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	108.6	162.8
98	64.1	53.4	80.0

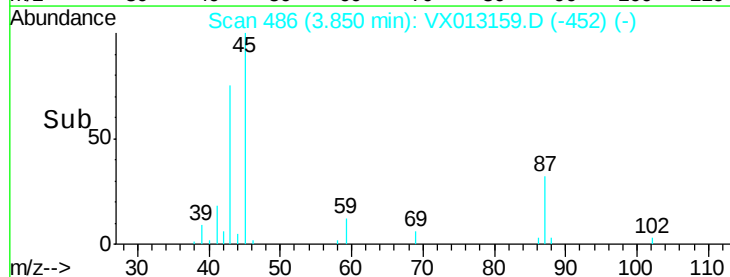
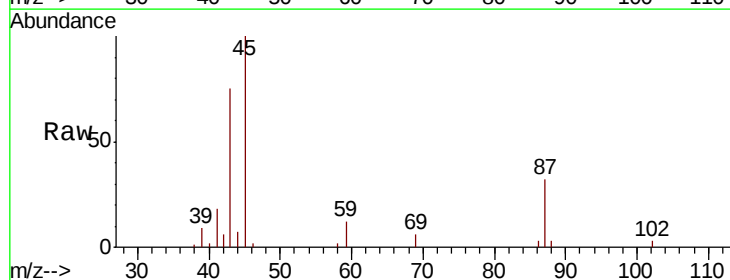
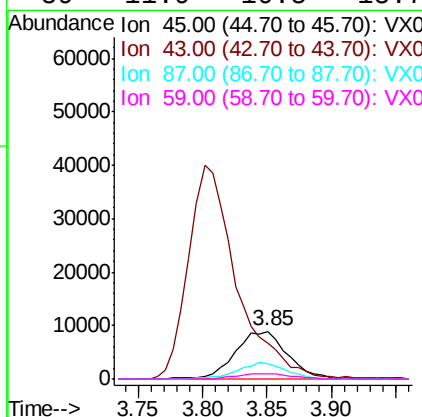
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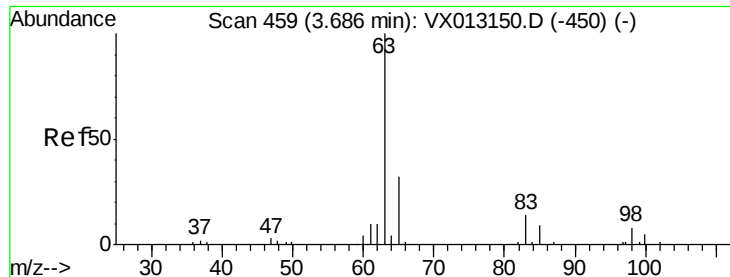
MMDadoda
10/22/2019 12:32:13 PM



#20
Diisopropyl ether
Concen: 5.007 ug/l
RT: 3.85 min Scan# 486
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.9	60.6	91.0
87	31.4	24.2	36.2
59	11.9	10.5	15.7





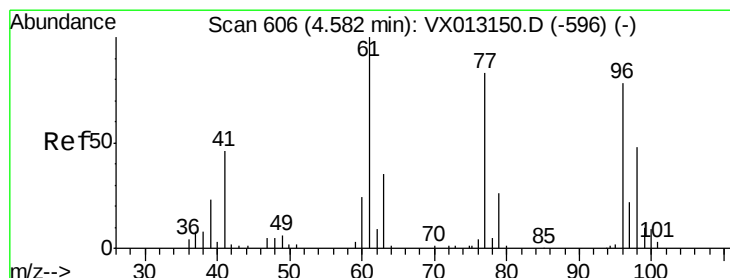
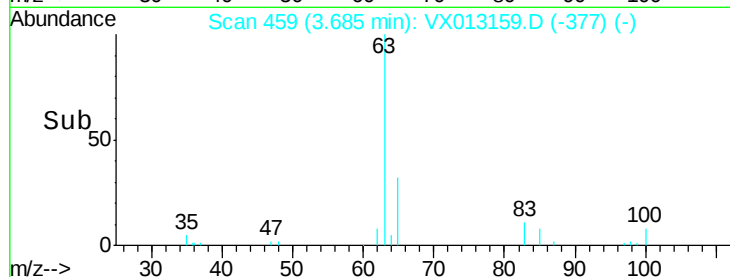
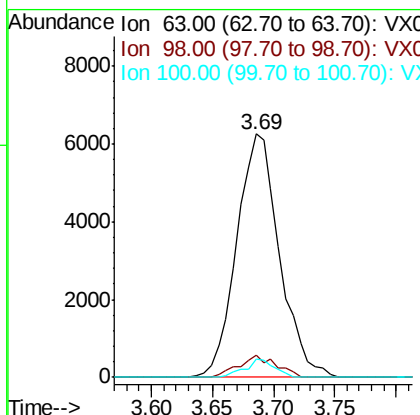
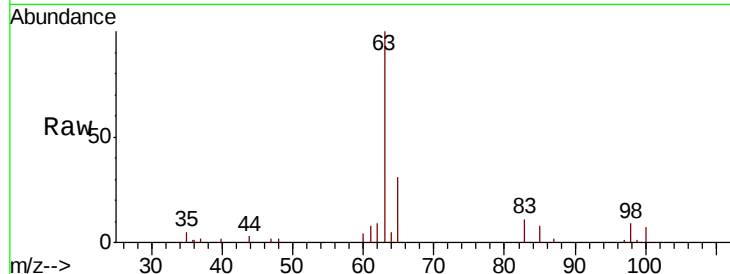
#21
1,1-Dichloroethane
Concen: 5.027 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
63	100	15185		
98	9.0		4.2	12.4
100	7.4		2.4	7.2#

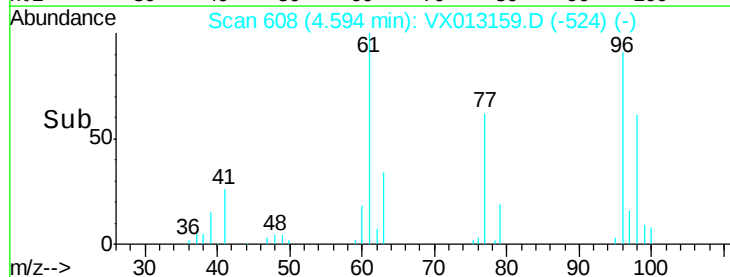
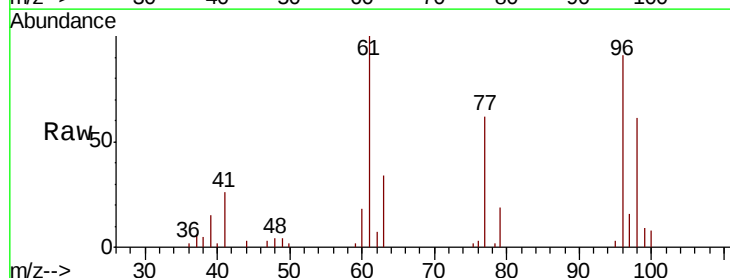
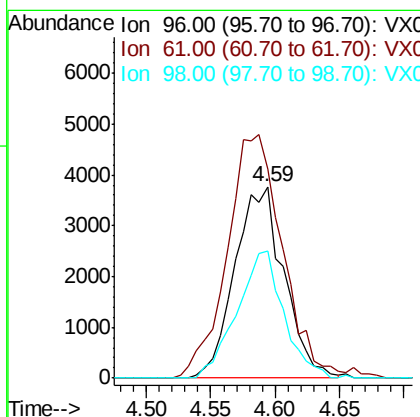
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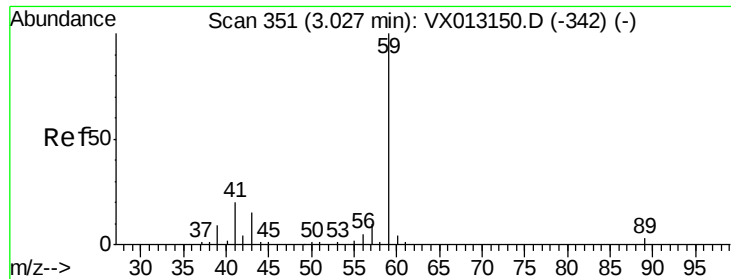
MMDadoda
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#22
cis-1,2-Dichloroethene
Concen: 5.095 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	9971		
61	143.4		112.5	168.7
98	62.9		51.2	76.8





#23

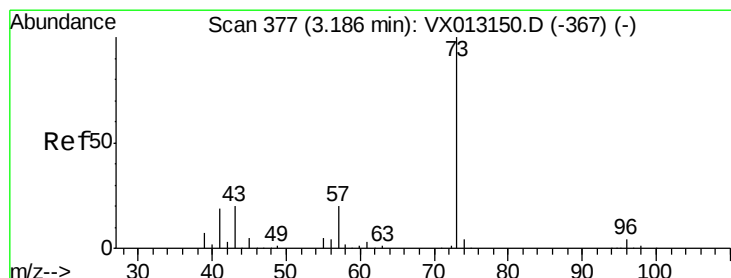
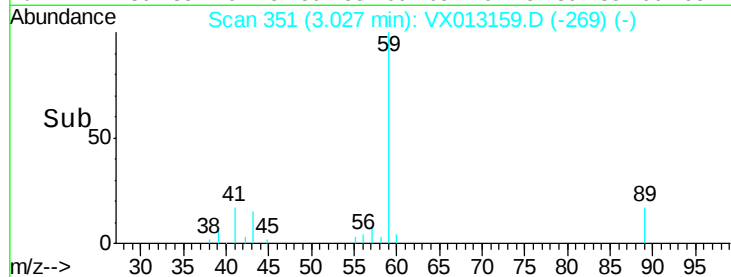
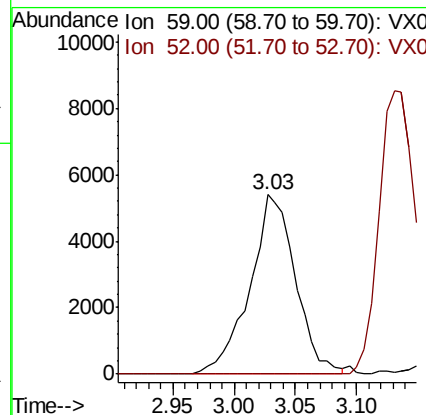
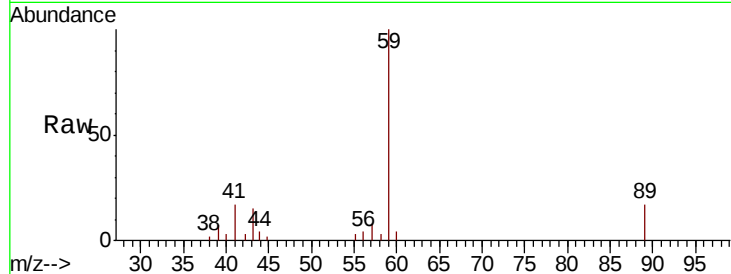
tert-Butyl Alcohol
Concen: 30.565 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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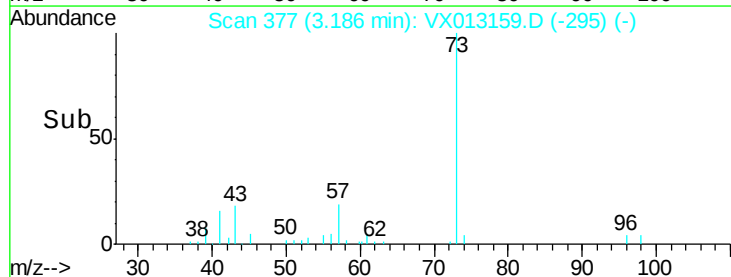
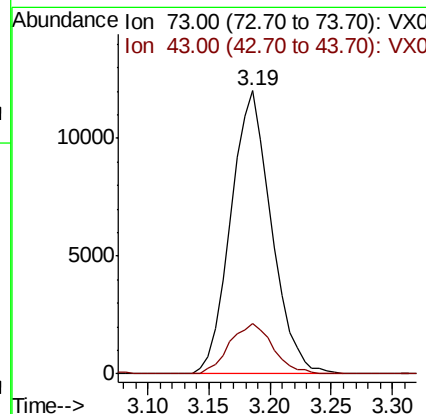
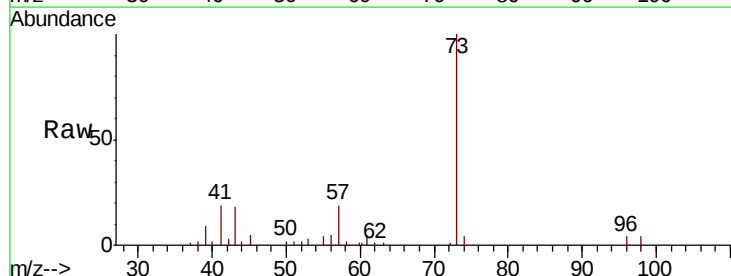
MMDadoda
10/22/2019 12:32:13 PM

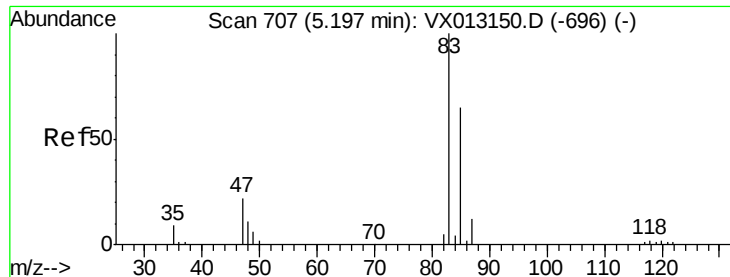


#24

Methyl tert-Butyl Ether
Concen: 4.950 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.0	17.1	25.7





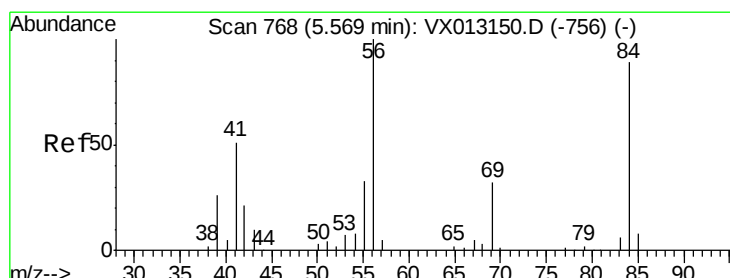
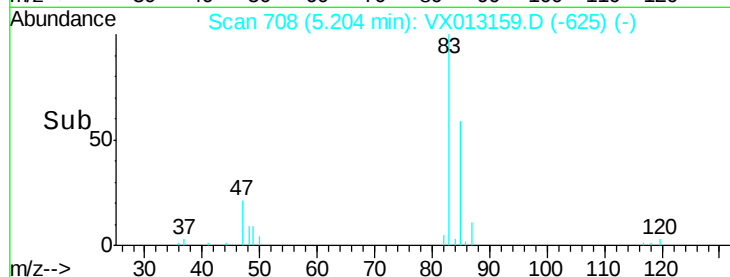
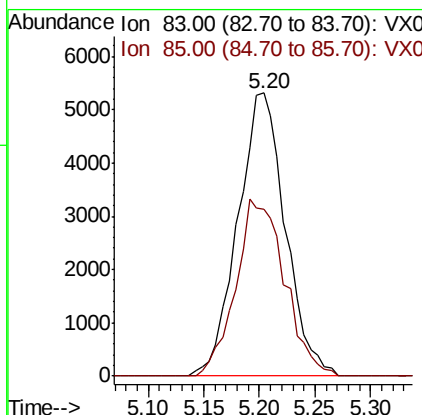
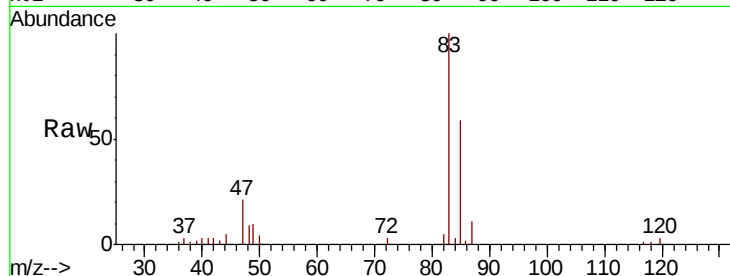
#25
Chloroform
Concen: 4.956 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 83 Resp: 15734
Ion Ratio Lower Upper
83 100
85 59.1 52.0 78.0

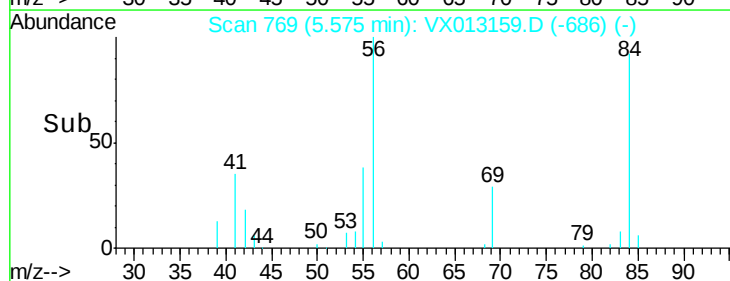
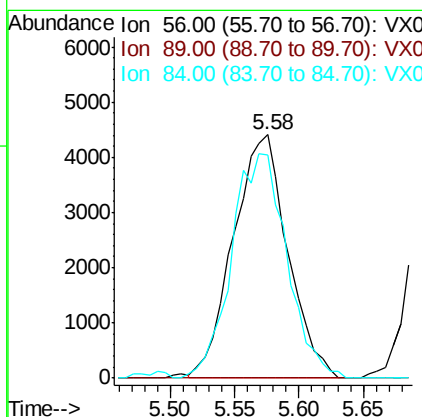
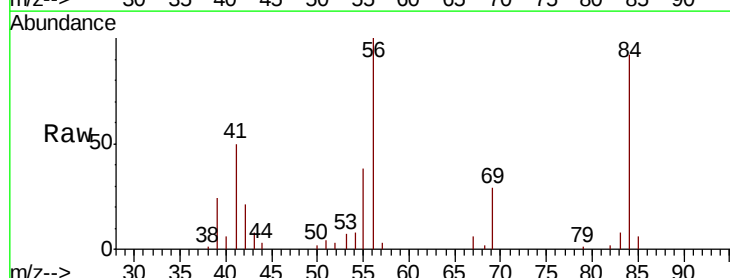
Manual Integrations
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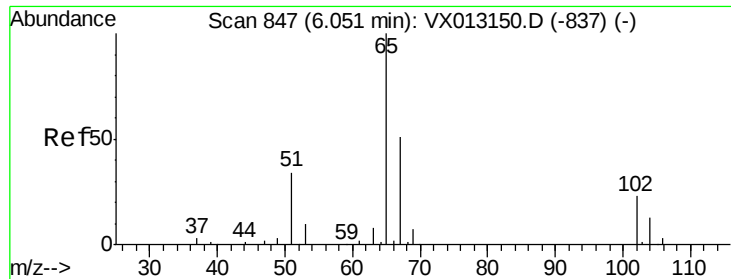
MMDadoda
10/22/2019 12:32:13 PM



#26
Cyclohexane
Concen: 4.867 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 56 Resp: 12900
Ion Ratio Lower Upper
56 100
89 0.0 0.2 0.2#
84 93.6 74.0 111.0





#27

1,2-Dichloroethane-d4

Concen: 29.975 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 65 Resp: 62206

Ion Ratio Lower Upper

65 100

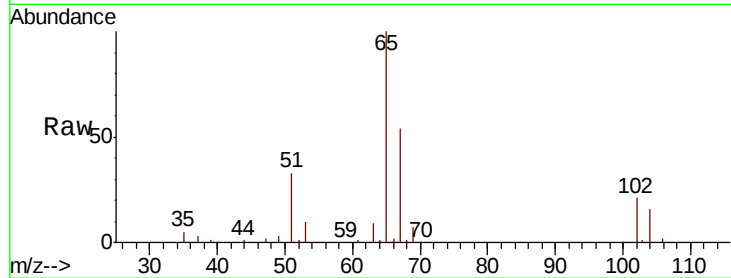
67 51.1 42.2 63.4

Manual Integrations

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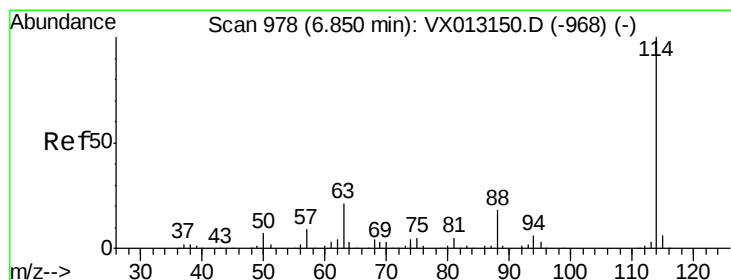
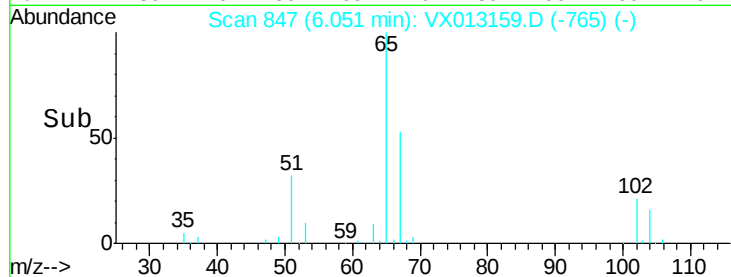
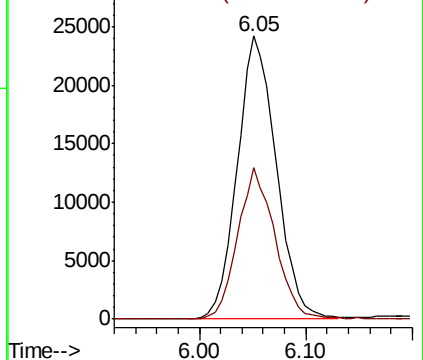
MMDadoda

10/22/2019 12:32:13 PM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

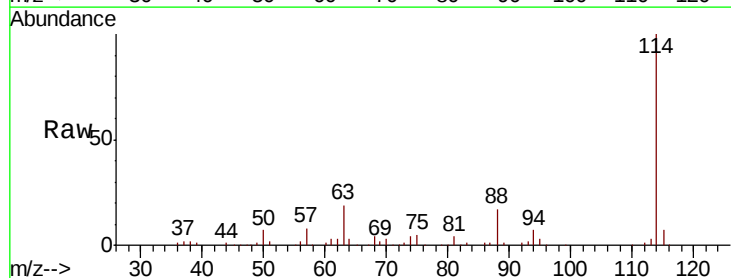
Tgt Ion: 114 Resp: 152993

Ion Ratio Lower Upper

114 100

63 19.6 16.1 24.1

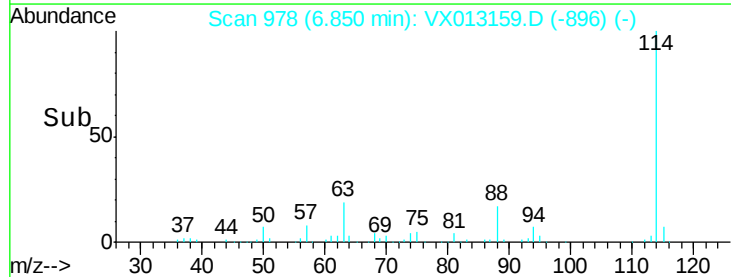
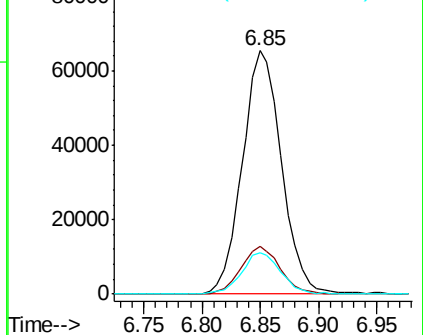
88 17.1 13.7 20.5

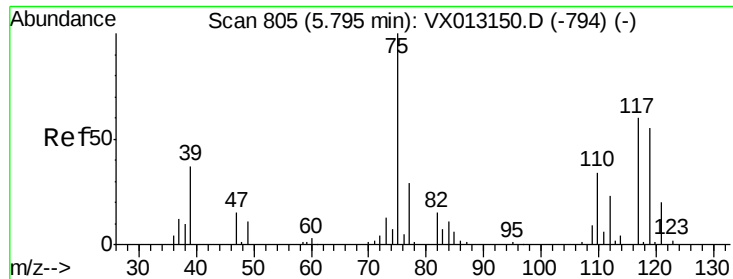


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





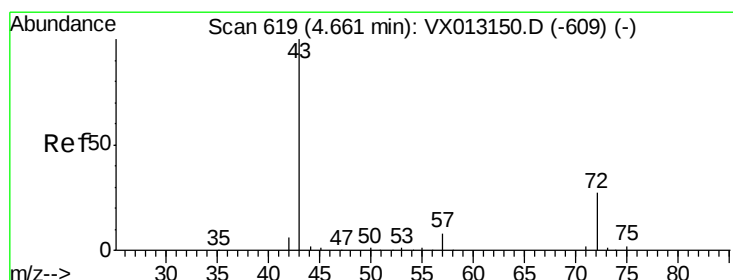
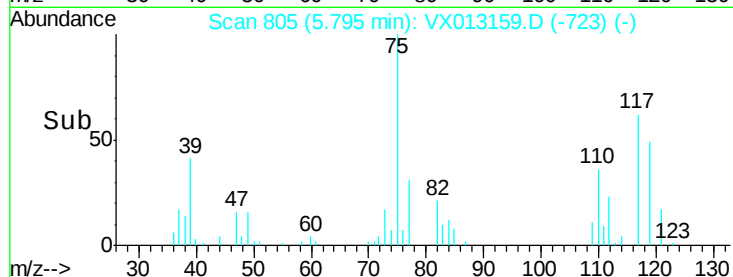
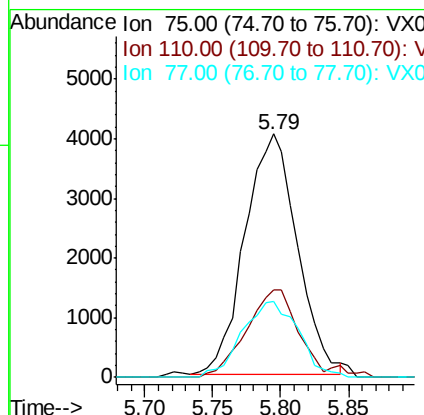
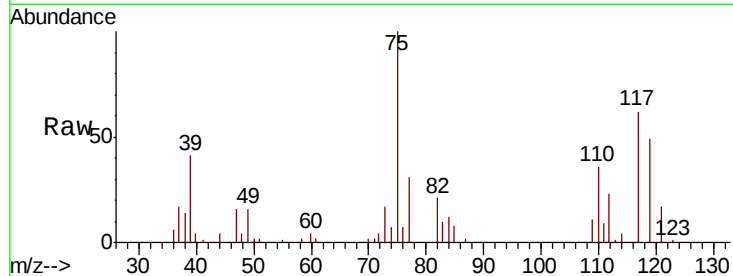
#29
 1,1-Dichloropropene
 Concen: 4.563 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.7	0.0	68.4
77	34.2	0.0	30.8

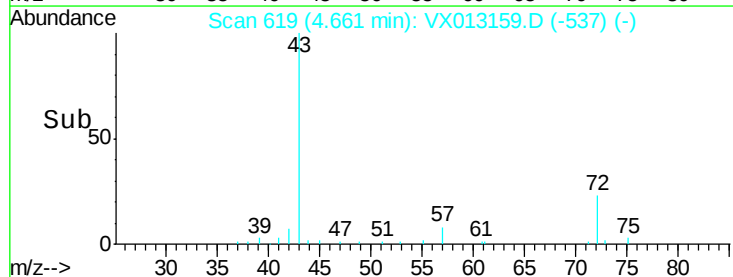
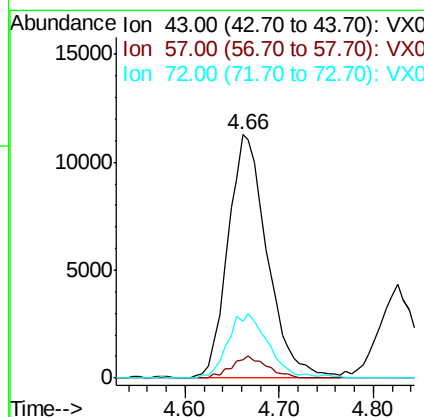
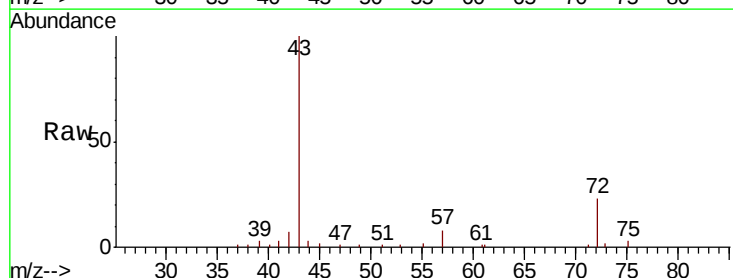
Manual Integrations
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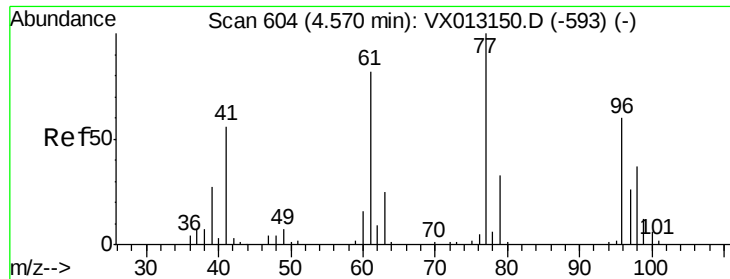
MMDadoda
 10/22/2019 12:32:13 PM



#30
 2-Butanone
 Concen: 26.306 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	7.0	10.6
72	26.4	23.4	35.2





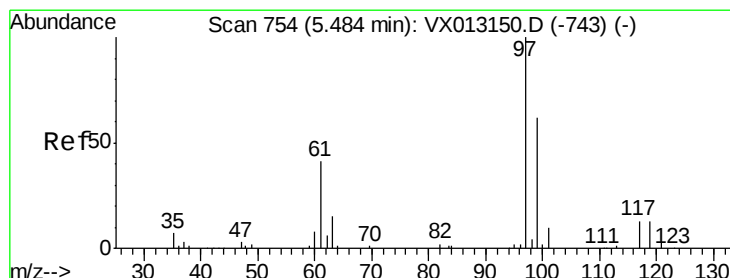
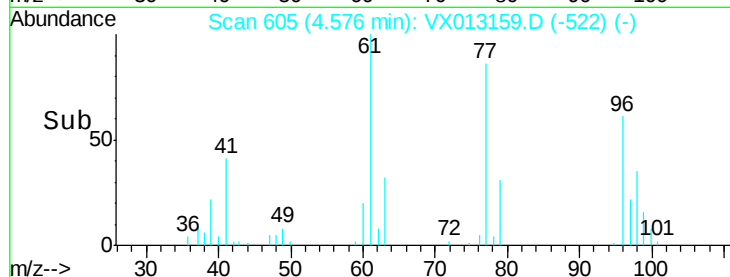
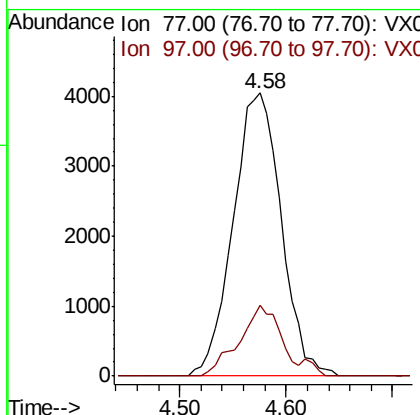
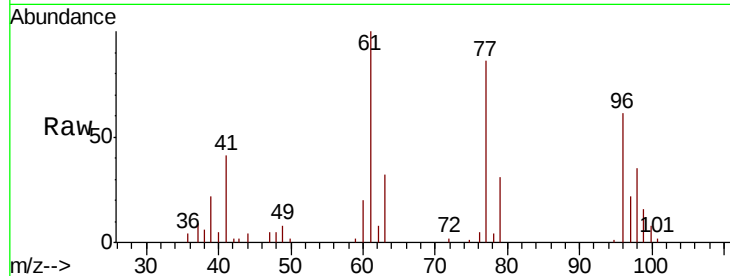
#31
 2,2-Dichloropropane
 Concen: 4.664 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion: 77 Resp: 12816
 Ion Ratio Lower Upper
 77 100
 97 21.5 19.1 28.7

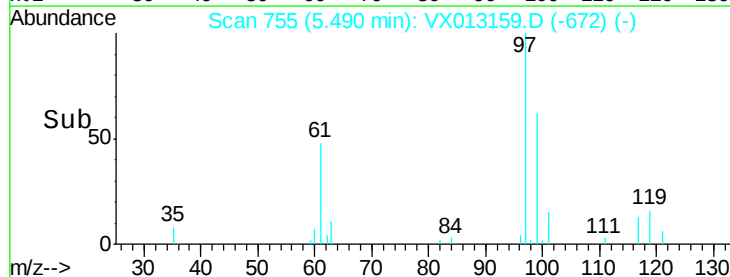
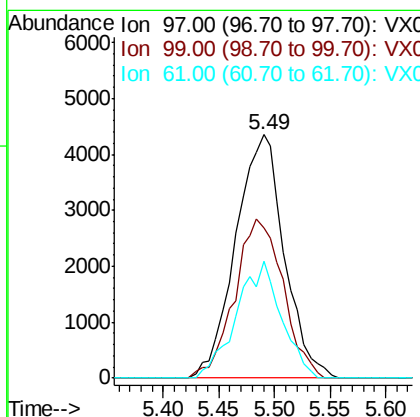
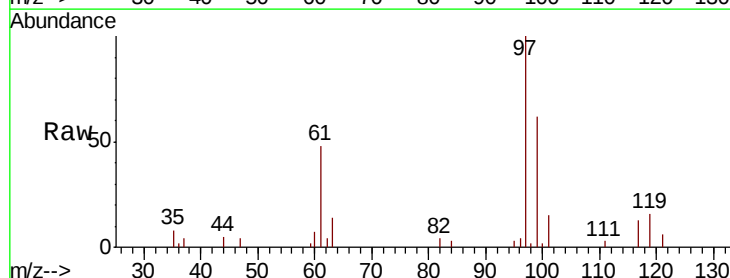
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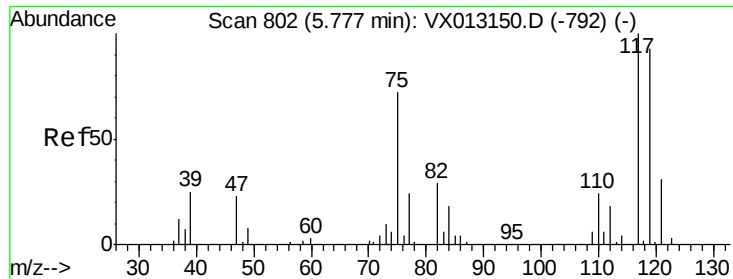
MMDadoda
 10/22/2019 12:32:13 PM



#32
 1,1,1-Trichloroethane
 Concen: 4.592 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 97 Resp: 13208
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.8
 61 21.3 33.5 50.3#





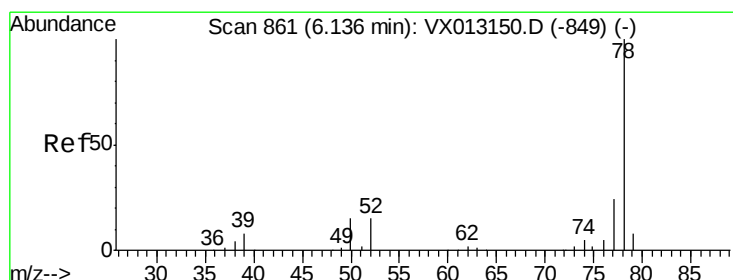
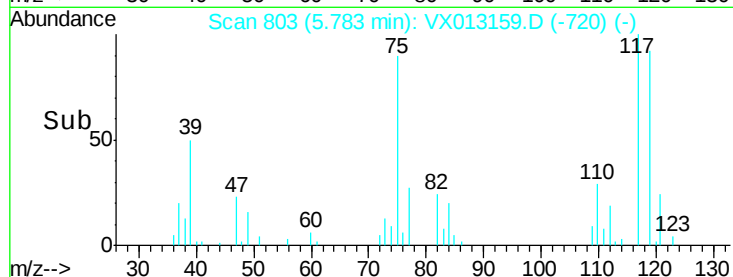
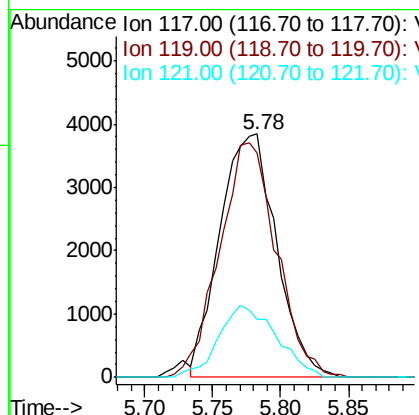
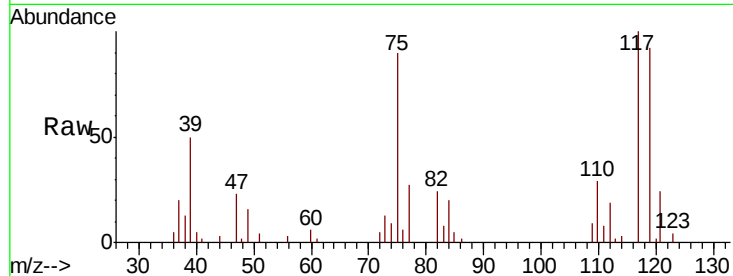
#33
Carbon Tetrachloride
Concen: 4.522 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:117 Resp: 11179
Ion Ratio Lower Upper
117 100
119 90.7 74.9 112.3
121 23.8 25.0 37.4#

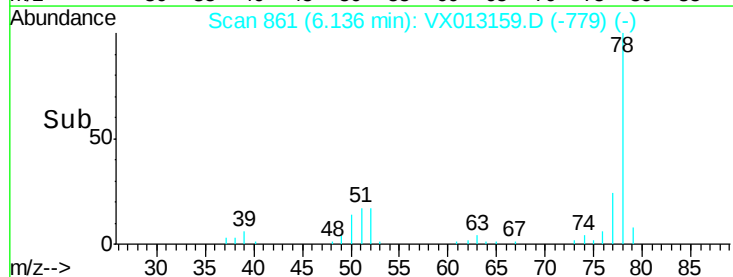
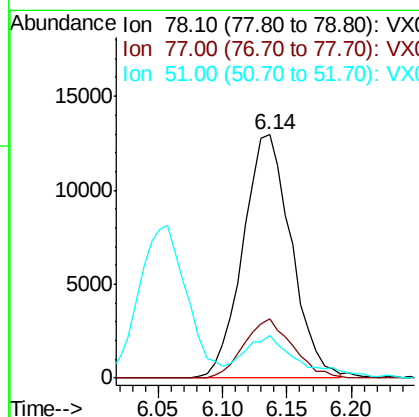
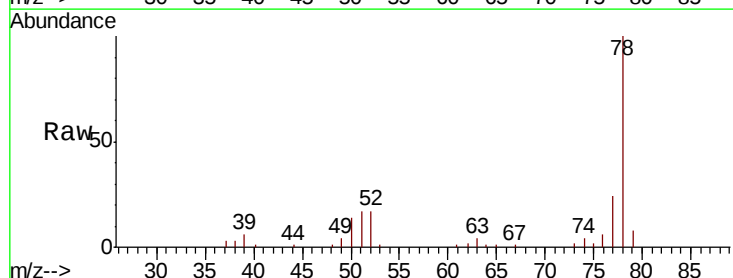
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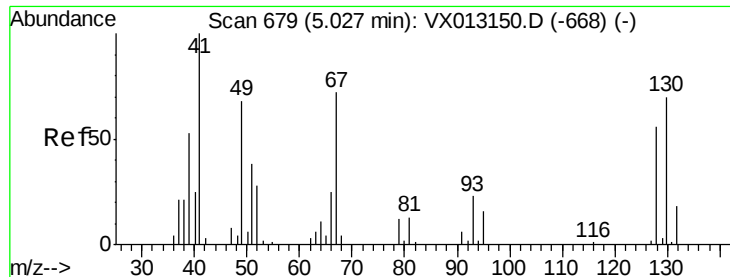
MMDadoda
10/22/2019 12:32:13 PM



#34
Benzene
Concen: 4.930 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 78 Resp: 33732
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9
51 14.5 11.4 17.2





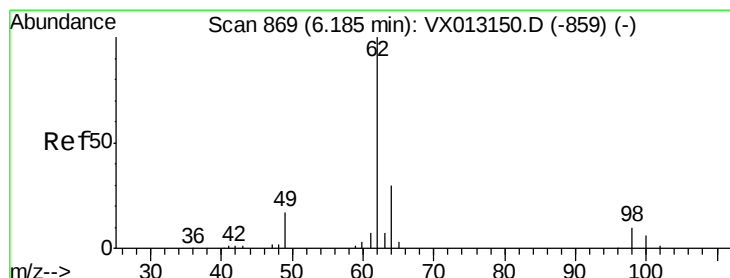
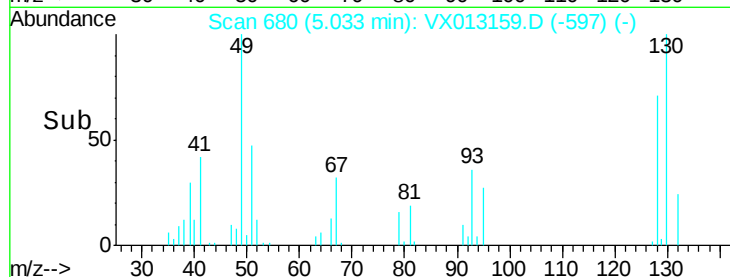
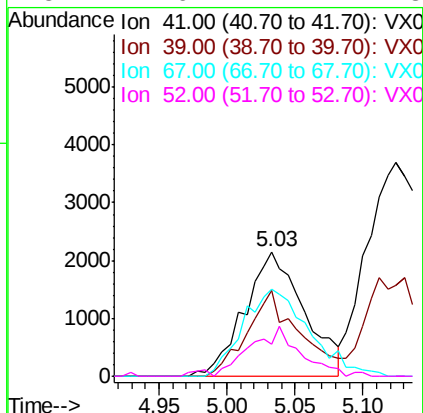
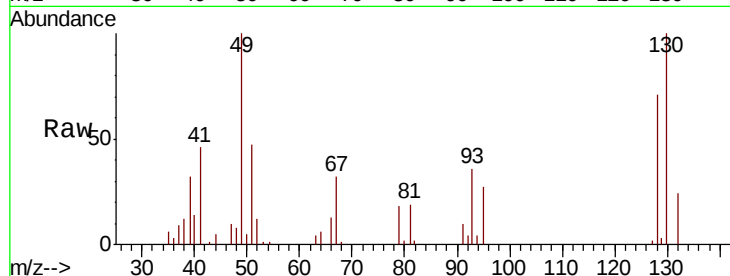
#35
Methacrylonitrile
Concen: 5.133 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 41 Resp: 6563
Ion Ratio Lower Upper
41 100
39 68.6 26.3 78.9
67 70.5 35.8 107.4
52 22.6 14.1 42.3

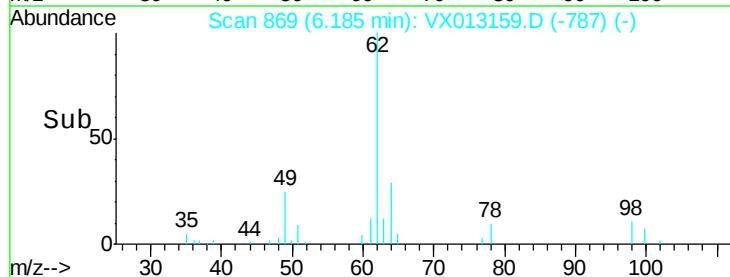
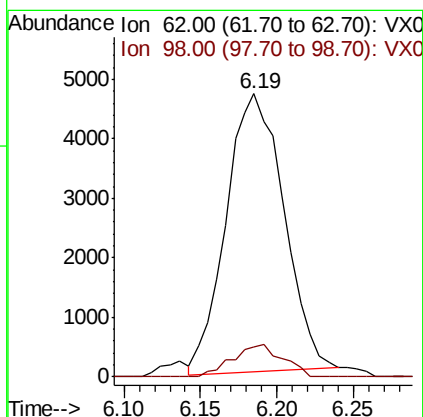
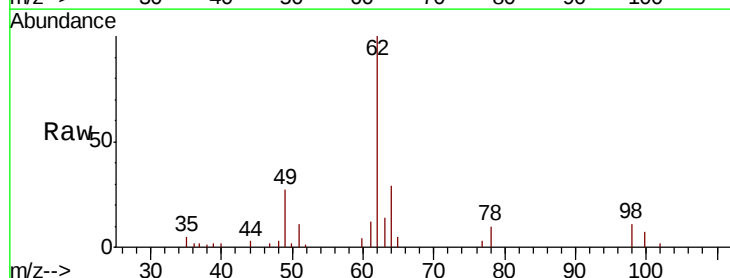
Manual Integrations
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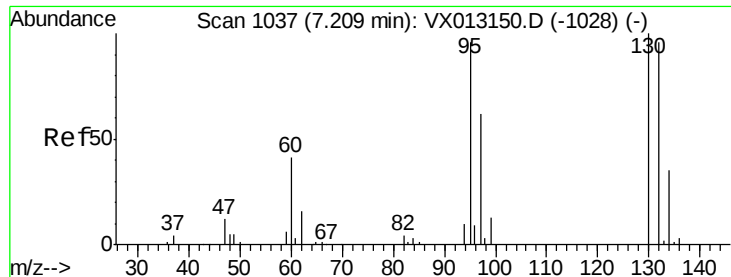
MMDadoda
10/22/2019 12:32:13 PM



#36
1,2-Dichloroethane
Concen: 4.741 ug/l
RT: 6.19 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 62 Resp: 12262
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0





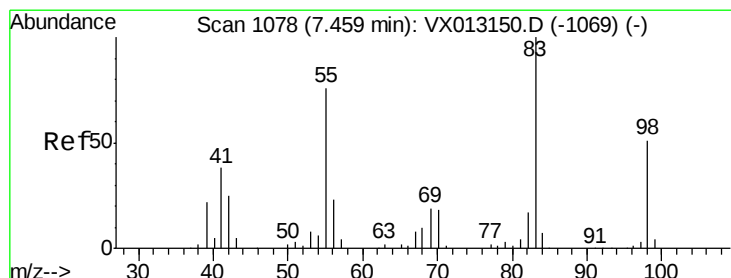
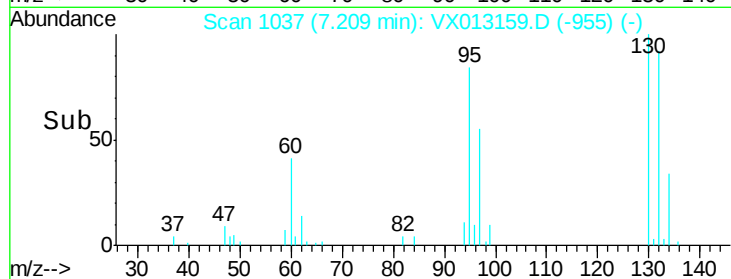
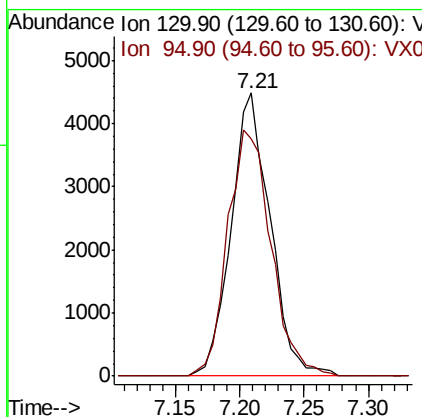
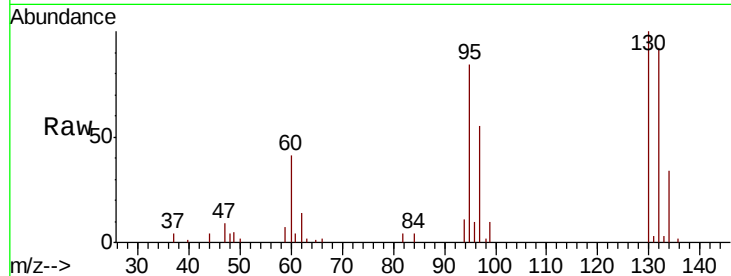
#37
 Trichloroethene
 Concen: 4.989 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:130 Resp: 9468
 Ion Ratio Lower Upper
 130 100
 95 84.0 77.0 115.6

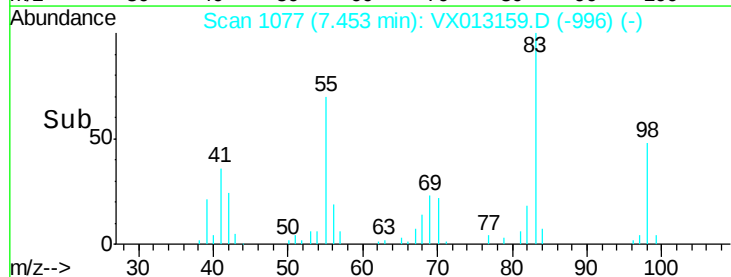
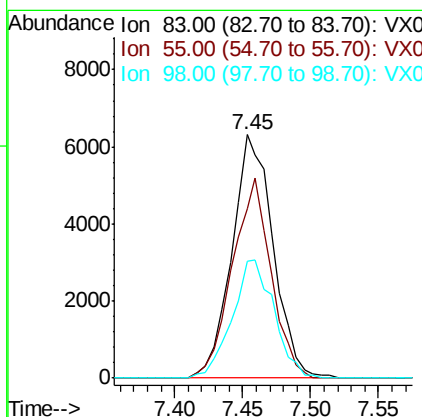
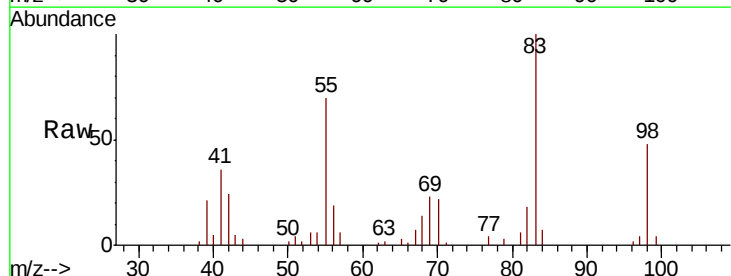
Manual Integrations
 APPROVED

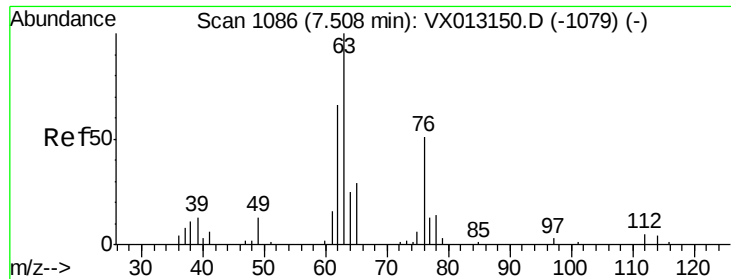
MMDadoda
 10/22/2019 12:32:13 PM



#38
 Methylcyclohexane
 Concen: 4.598 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 83 Resp: 13329
 Ion Ratio Lower Upper
 83 100
 55 77.2 37.5 112.5
 98 49.4 25.4 76.0





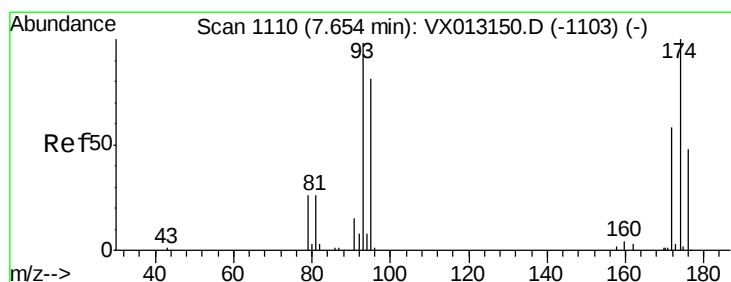
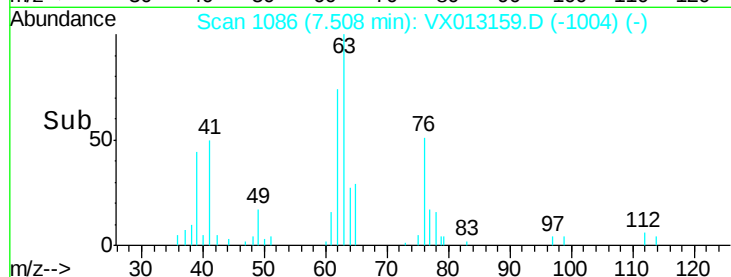
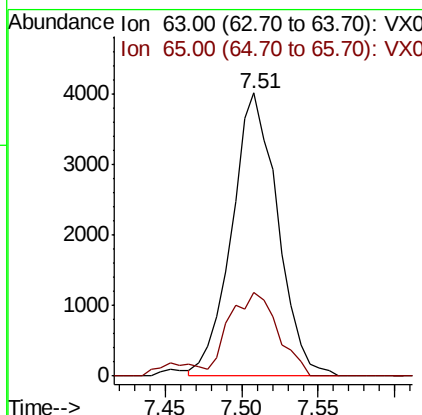
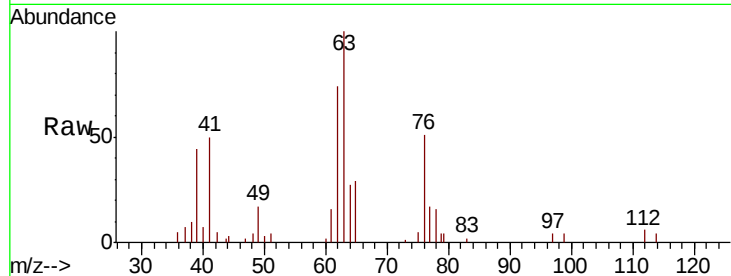
#39
 1,2-Dichloropropane
 Concen: 4.990 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion: 63 Resp: 8380
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.8 37.2

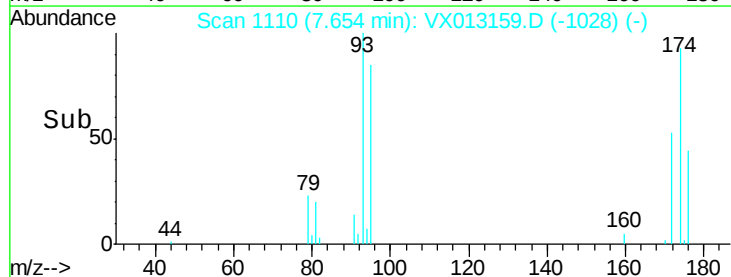
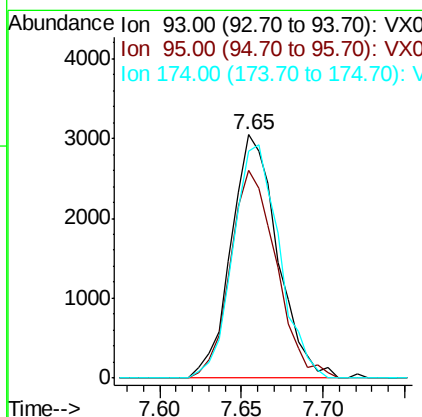
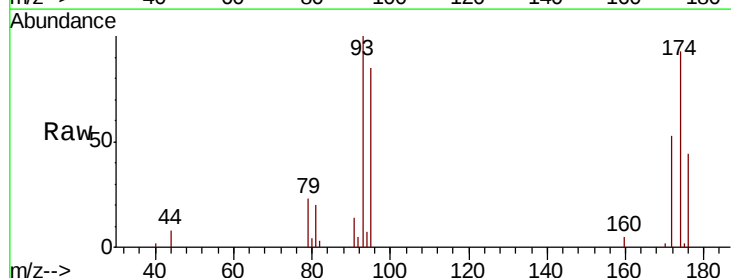
Manual Integrations
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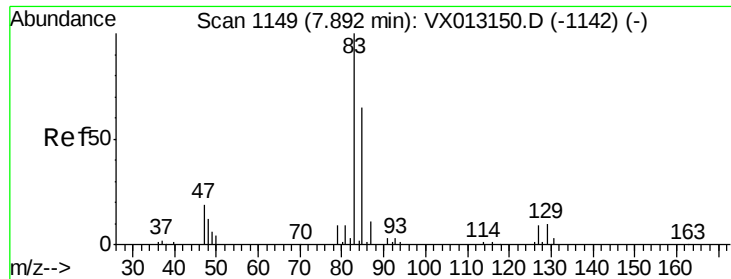
MMDadoda
 10/22/2019 12:32:13 PM



#40
 Dibromomethane
 Concen: 5.036 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion: 93 Resp: 6041
 Ion Ratio Lower Upper
 93 100
 95 84.3 0.0 166.0
 174 95.4 0.0 208.8





#41

Bromodichloromethane

Concen: 4.339 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

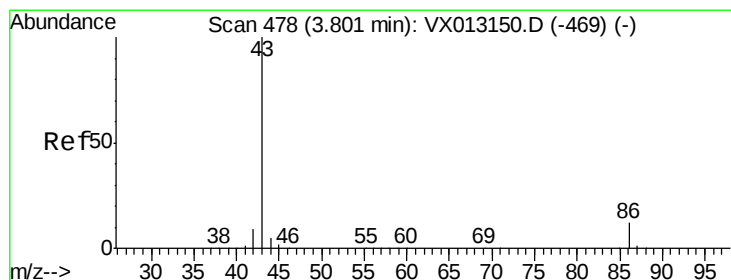
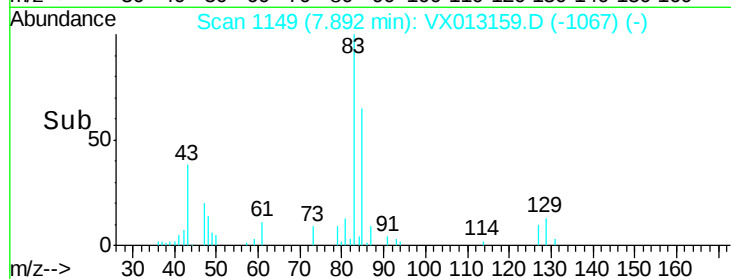
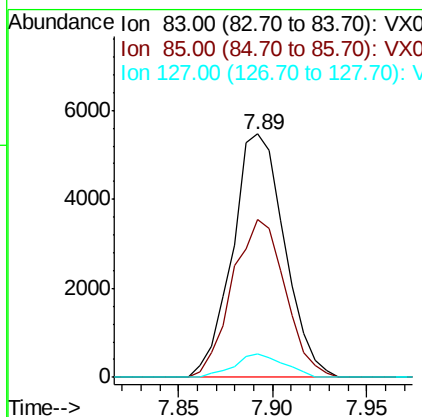
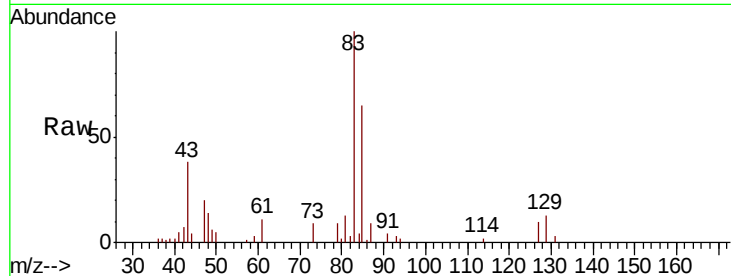
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	83	Resp:	10495
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.1	78.1
127	9.5	7.5	11.3

Manual Integrations
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10/22/2019 12:32:13 PM



#42

Vinyl Acetate

Concen: 24.115 ug/l

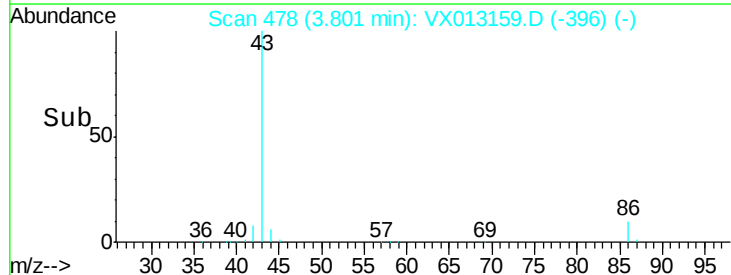
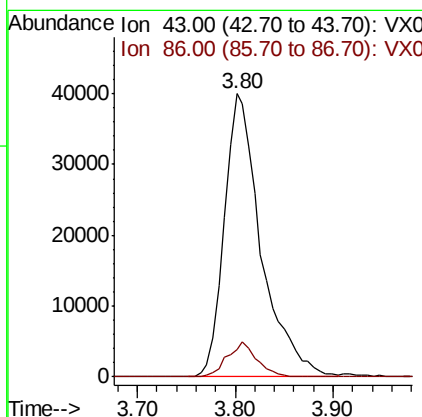
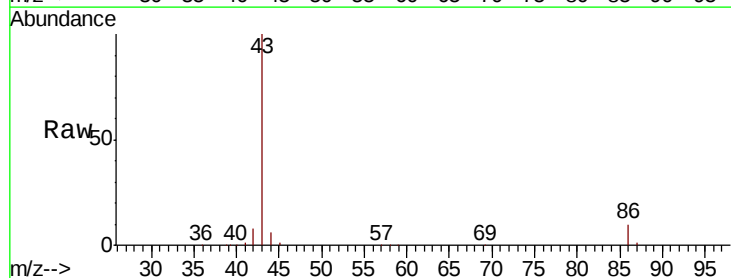
RT: 3.80 min Scan# 478

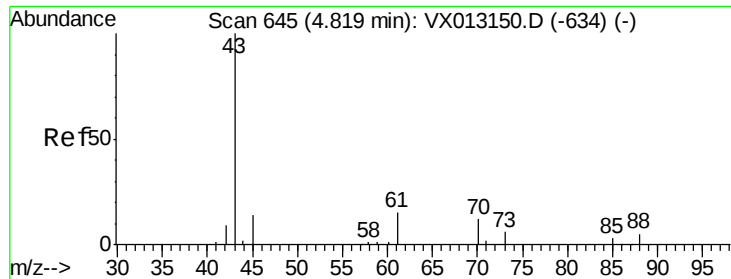
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion:	43	Resp:	104254
Ion Ratio	Lower	Upper	
43	100		
86	10.1	8.6	12.8





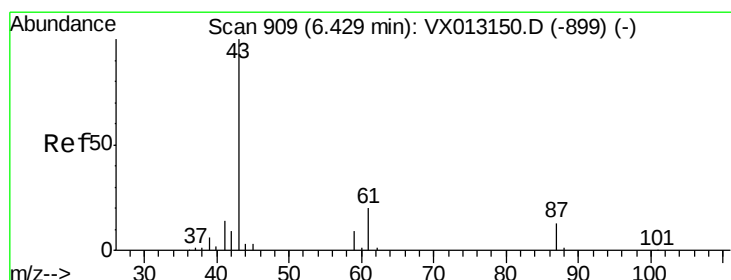
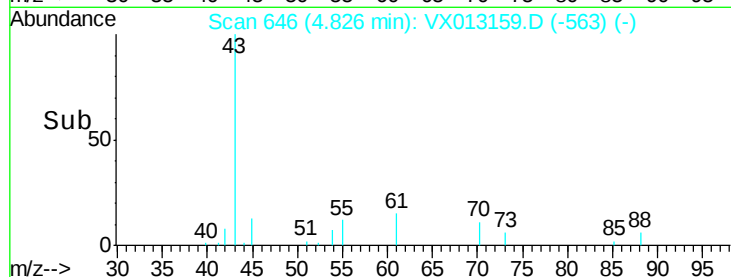
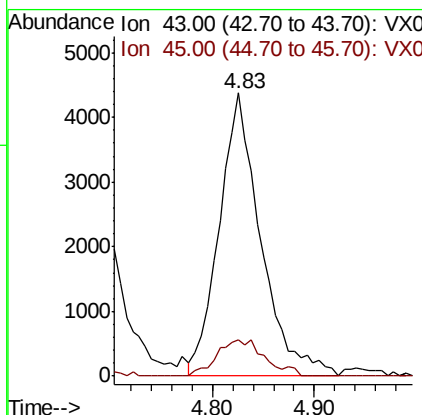
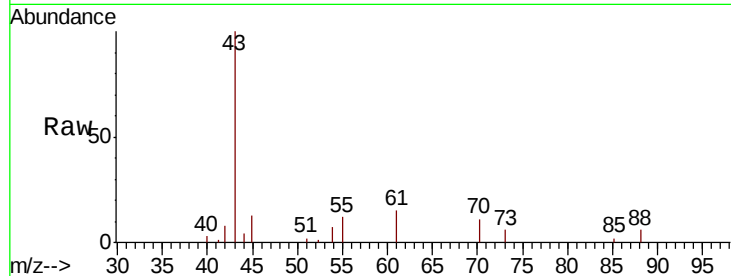
#43
Ethyl Acetate
Concen: 5.436 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 12360
Ion Ratio Lower Upper
43 100
45 9.0 12.6 18.8#

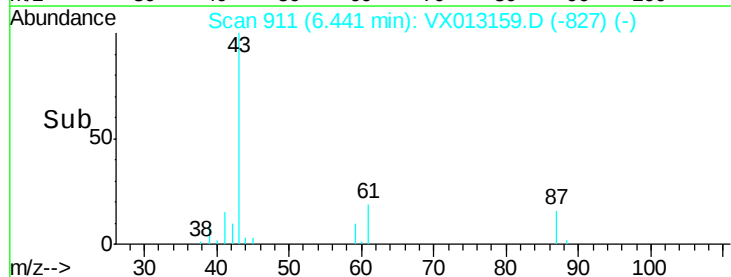
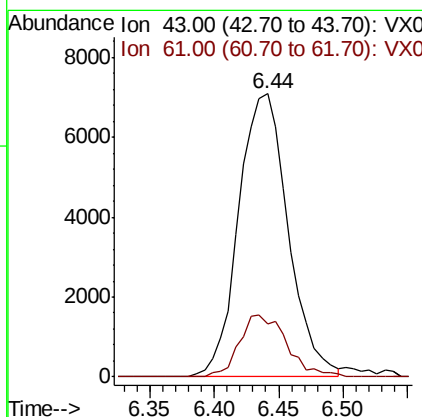
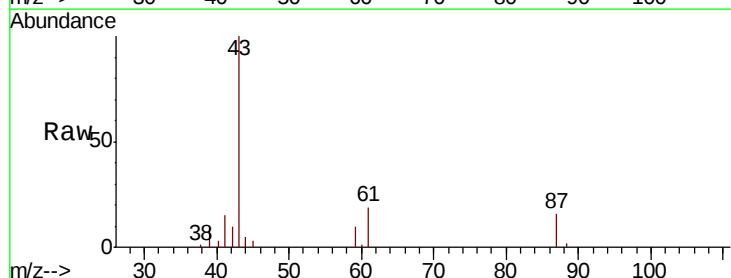
Manual Integrations
APPROVED

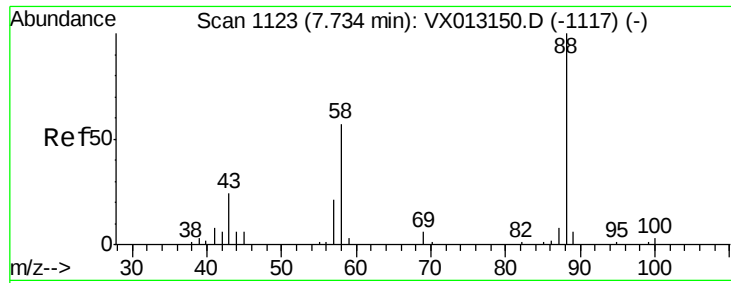
MMDadoda
10/22/2019 12:32:13 PM



#44
Isopropyl Acetate
Concen: 4.955 ug/l
RT: 6.44 min Scan# 911
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 43 Resp: 18935
Ion Ratio Lower Upper
43 100
61 21.0 16.8 25.2





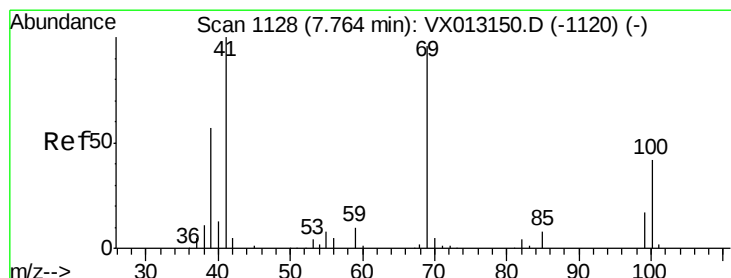
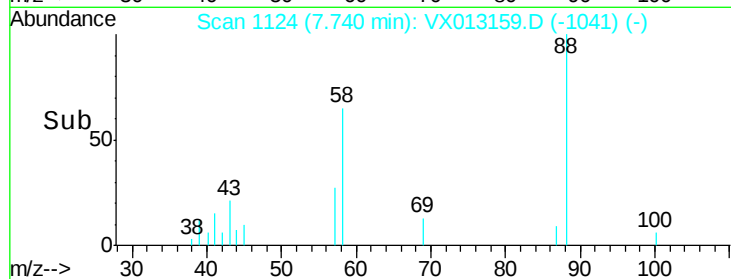
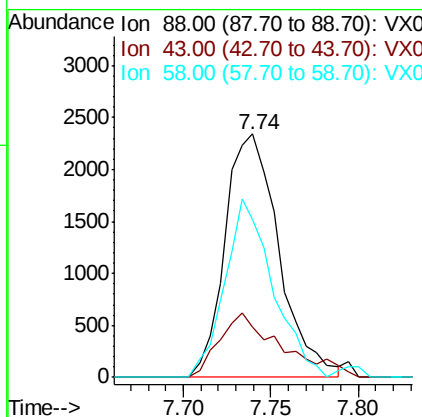
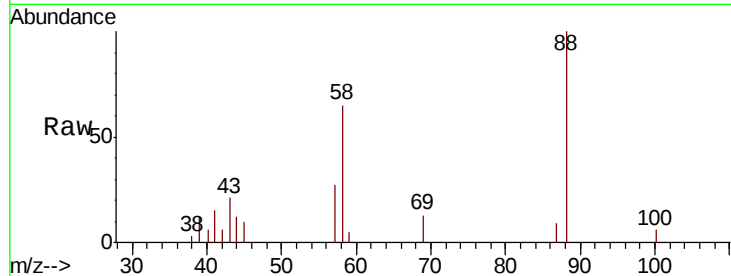
#45
1,4-Dioxane
Concen: 103.681 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	24.0	36.0
58	65.4	52.8	79.2

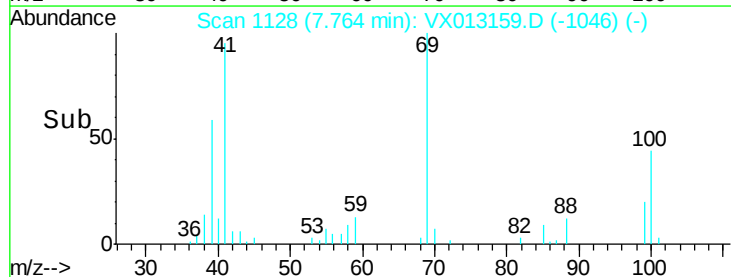
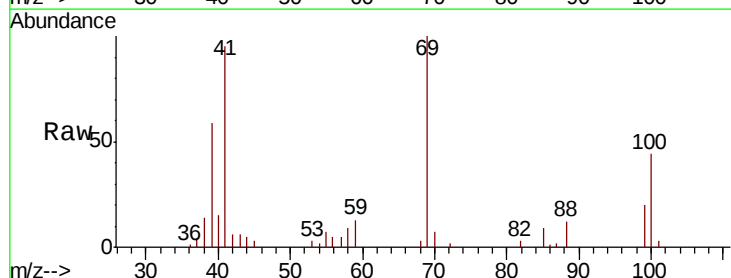
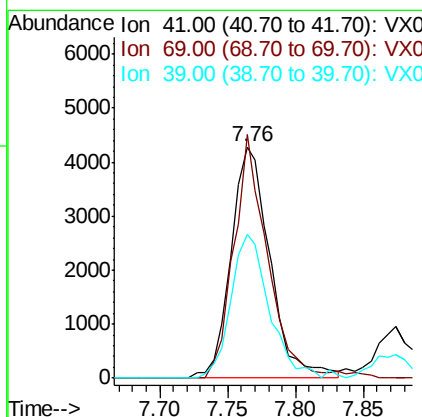
Manual Integrations
APPROVED

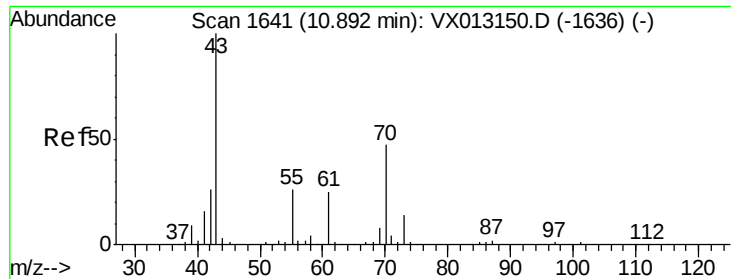
MMDadoda
10/22/2019 12:32:13 PM



#46
Methyl methacrylate
Concen: 4.561 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	105.4	47.8	143.3
39	62.3	28.5	85.5





#47

n-amvl Acetate

Concen: 4.387 ug/l

RT: 10.90 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 43 Resp: 14134

Ion Ratio Lower Upper

43 100

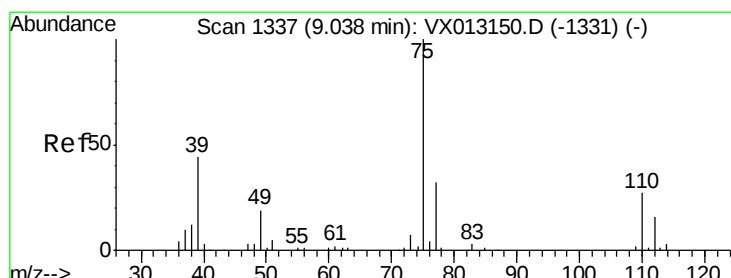
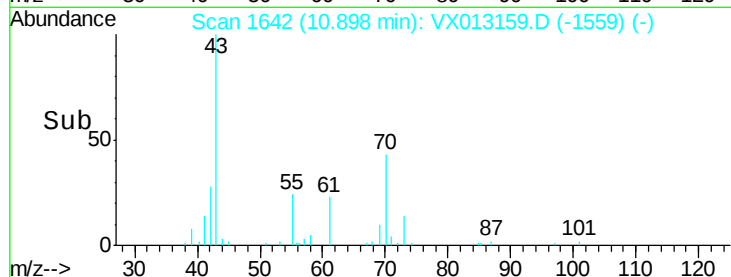
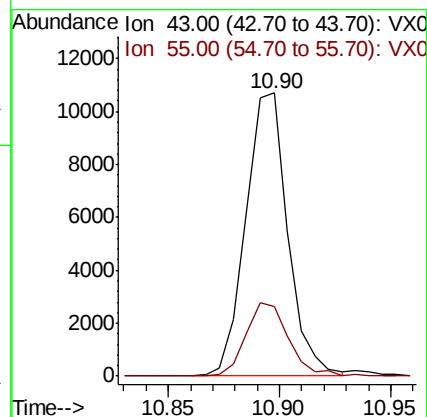
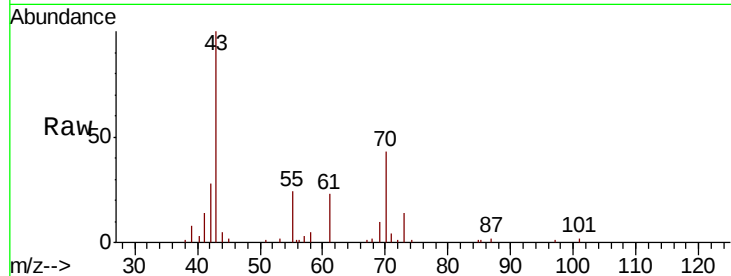
55 26.1 20.9 31.3

Manual Integrations

APPROVED

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#48

t-1,3-Dichloropropene

Concen: 4.174 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013159.D

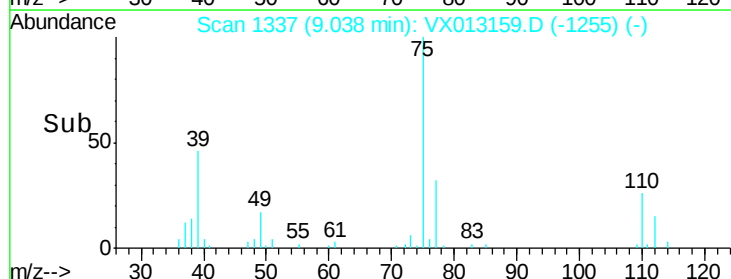
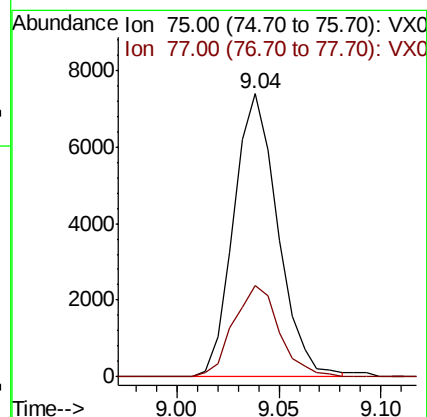
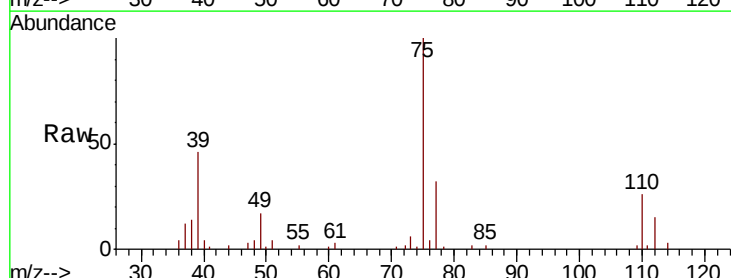
Acq: 21 Oct 2019 18:04

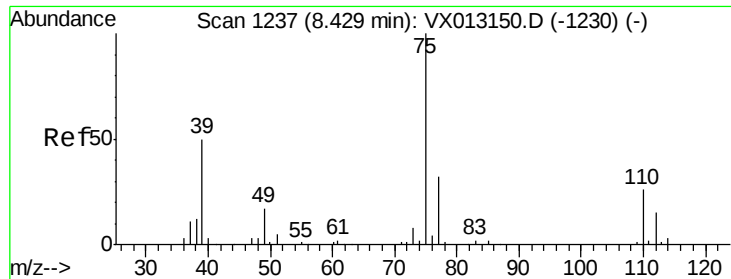
Tgt Ion: 75 Resp: 11074

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4





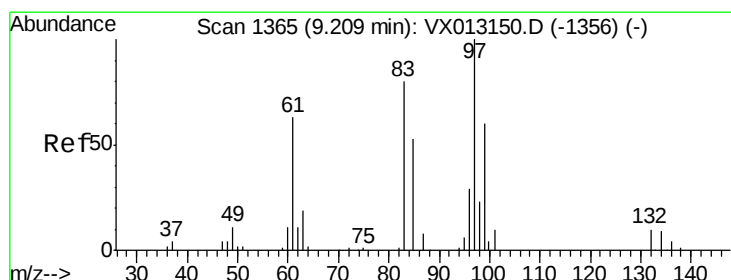
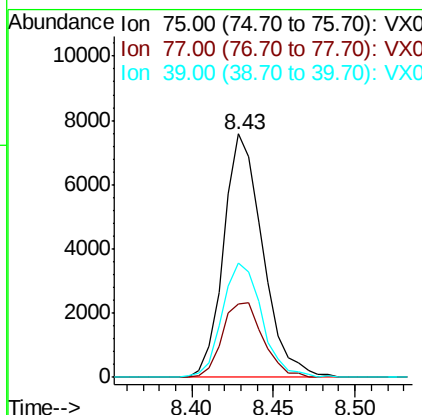
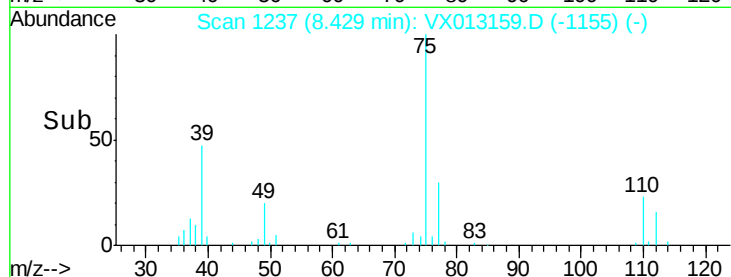
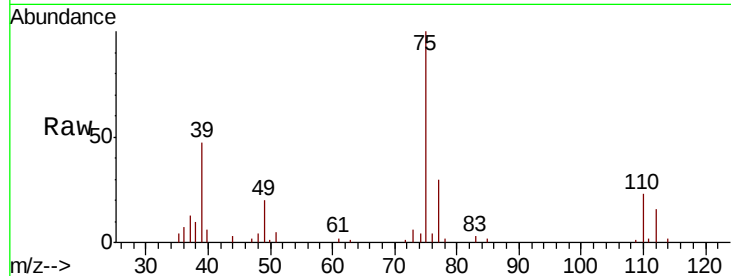
#49
 cis-1,3-Dichloropropene
 Concen: 4.373 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.8	38.8
39	47.1	39.7	59.5

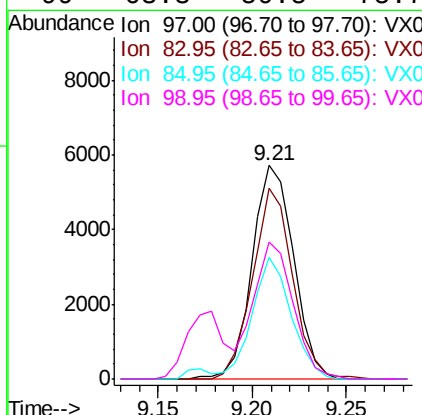
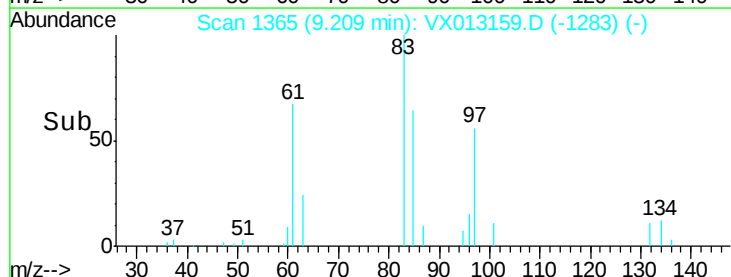
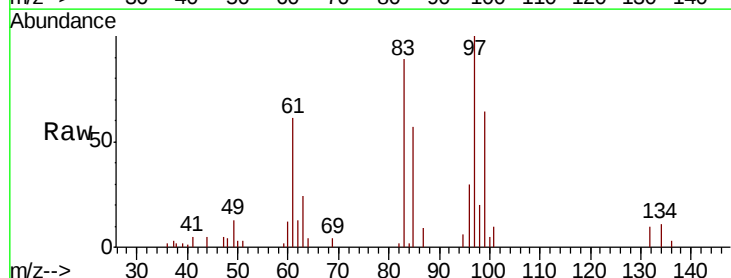
Manual Integrations
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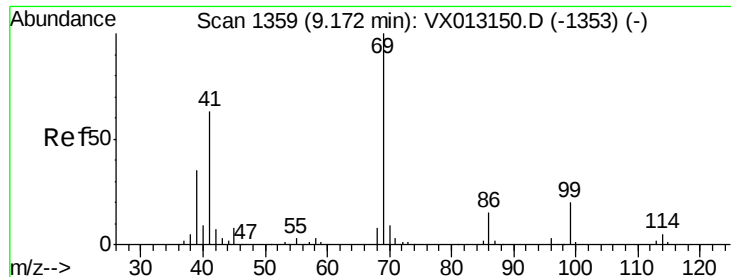
MMDadoda
 10/22/2019 12:32:13 PM



#50
 1,1,2-Trichloroethane
 Concen: 4.917 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	64.2	96.4
85	57.1	42.7	64.1
99	63.3	50.5	75.7





#51

Ethyl methacrylate

Concen: 4.417 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

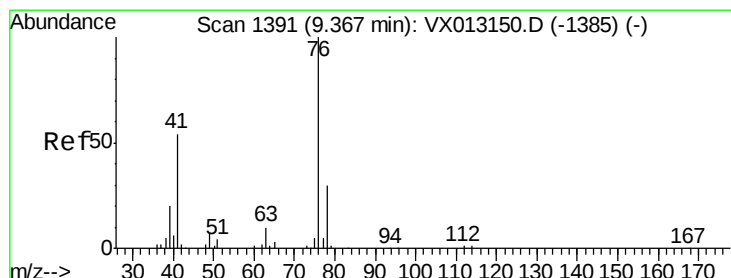
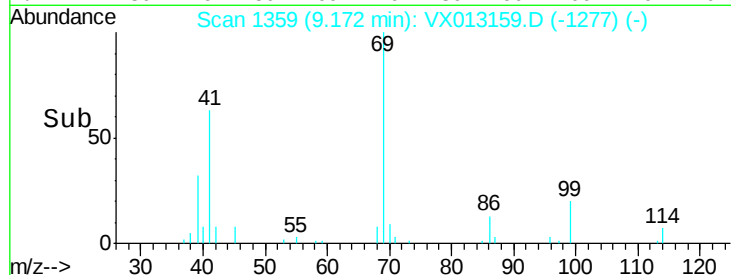
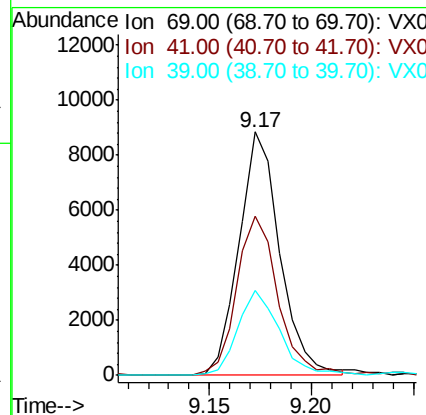
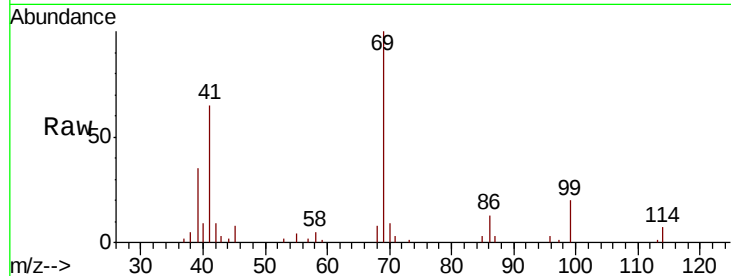
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	69	Resp:	12269
Ion	Ratio	Lower	Upper
69	100		
41	65.5	31.6	95.0
39	34.8	17.7	53.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 4.766 ug/l

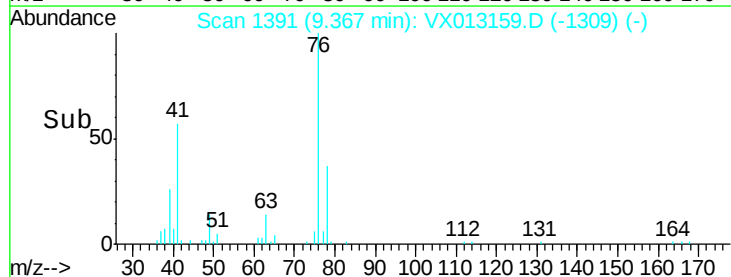
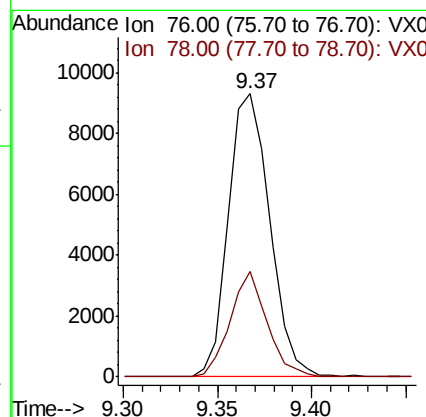
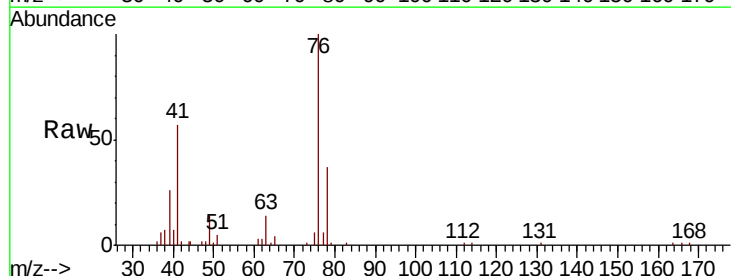
RT: 9.37 min Scan# 1391

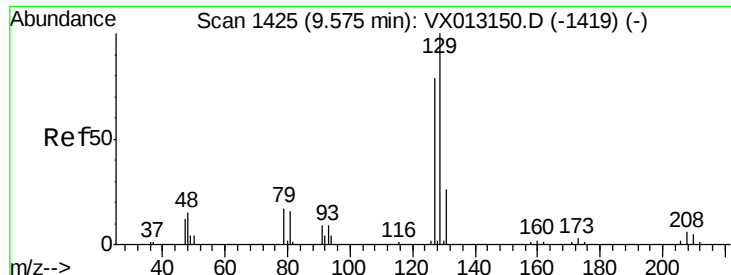
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion:	76	Resp:	14219
Ion	Ratio	Lower	Upper
76	100		
78	33.2	0.0	64.6





#53

Dibromochloromethane

Concen: 3.965 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:129 Resp: 7576

Ion Ratio Lower Upper

129 100

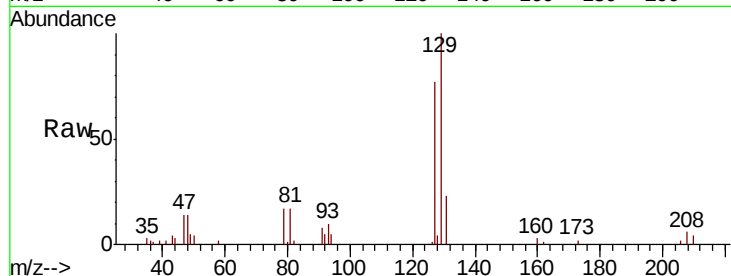
127 83.4 39.4 118.2

Manual Integrations

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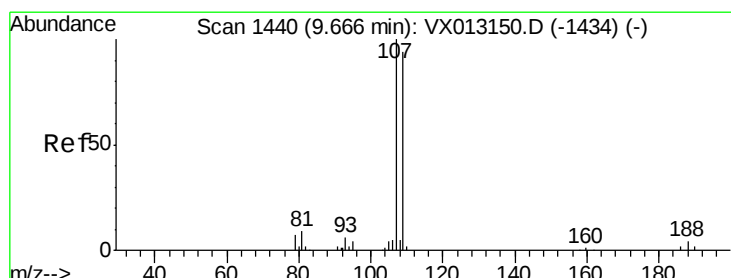
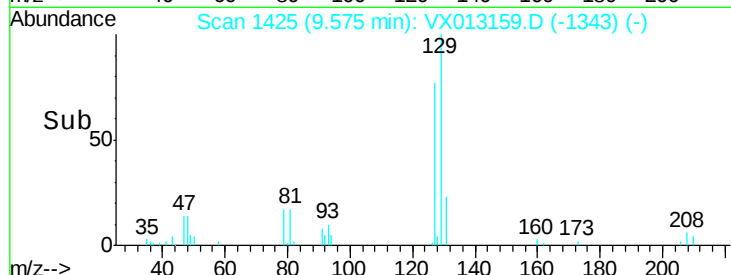
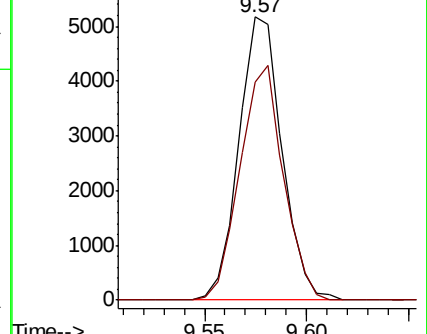
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.872 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013159.D

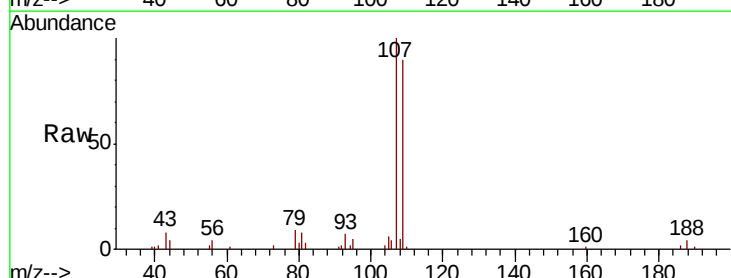
Acq: 21 Oct 2019 18:04

Tgt Ion:107 Resp: 9228

Ion Ratio Lower Upper

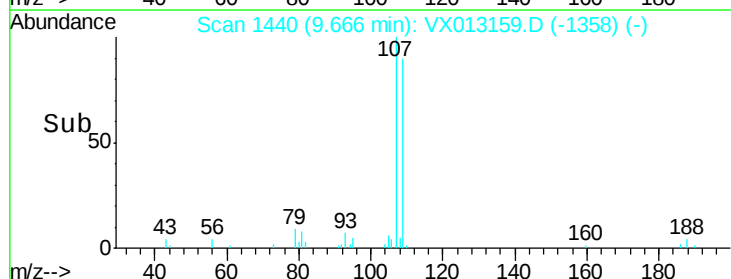
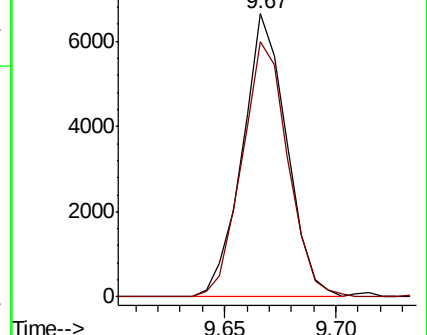
107 100

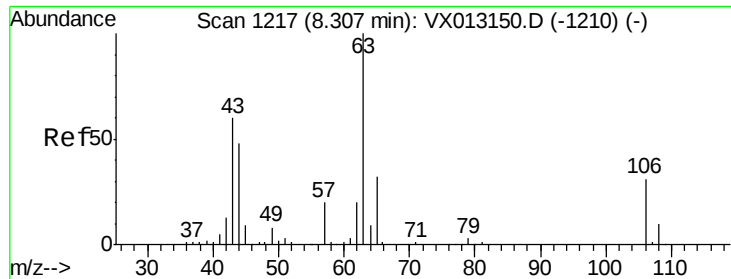
109 93.3 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





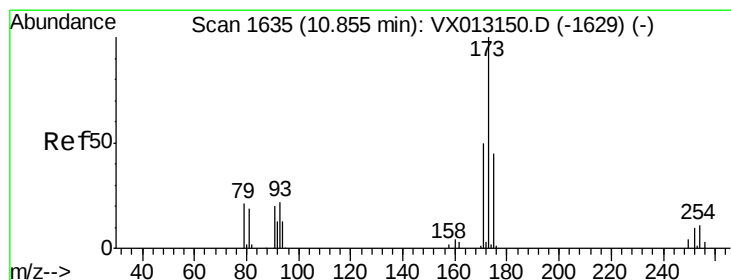
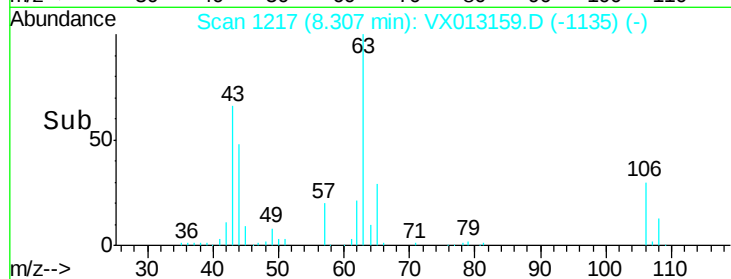
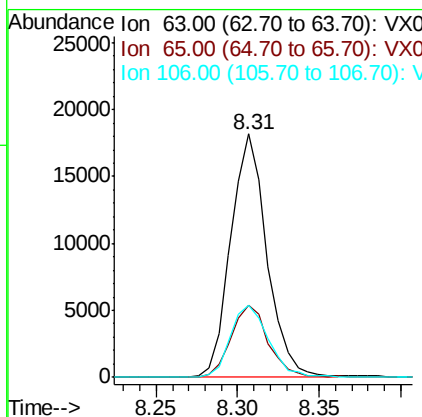
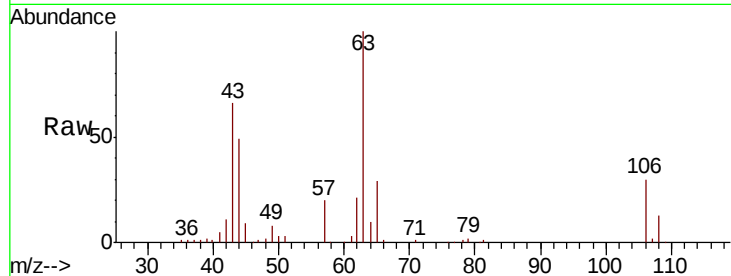
#55
2-Chloroethyl vinyl ether
Concen: 24.903 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:	63	Resp:	28100
Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.5	38.3
106	30.9	24.8	37.2

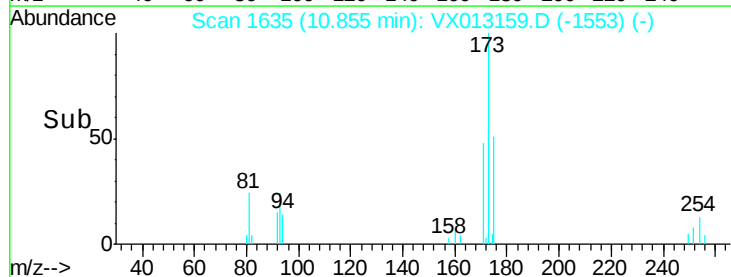
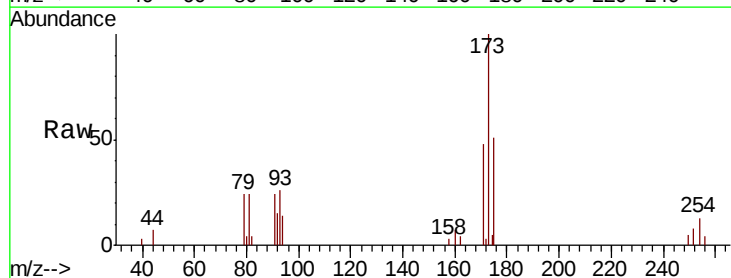
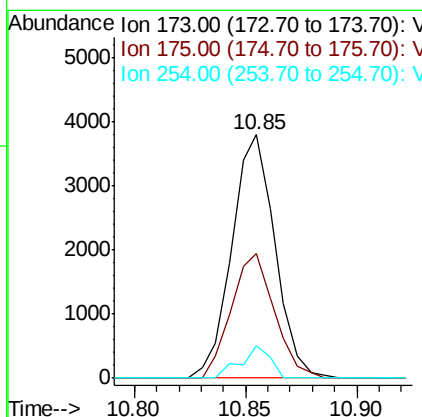
Manual Integrations
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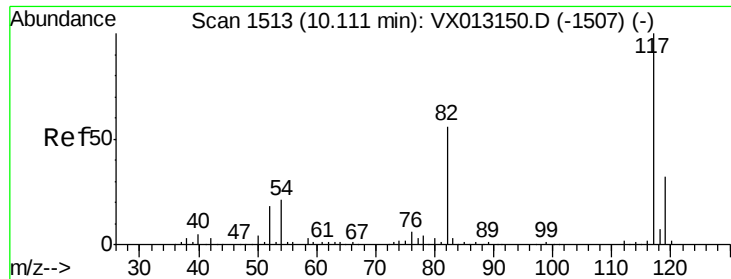
MMDadoda
10/22/2019 12:32:13 PM



#56
Bromoform
Concen: 3.777 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:	173	Resp:	5121
Ion	Ratio	Lower	Upper
173	100		
175	51.0	39.0	58.4
254	9.1	8.1	12.1





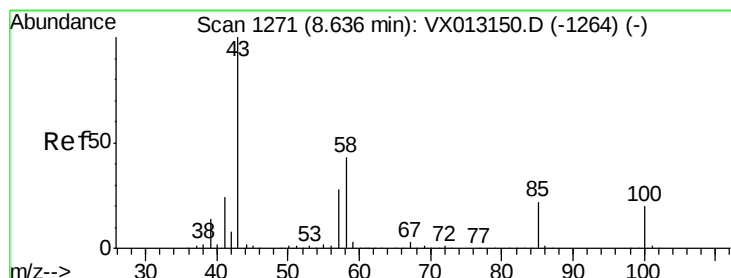
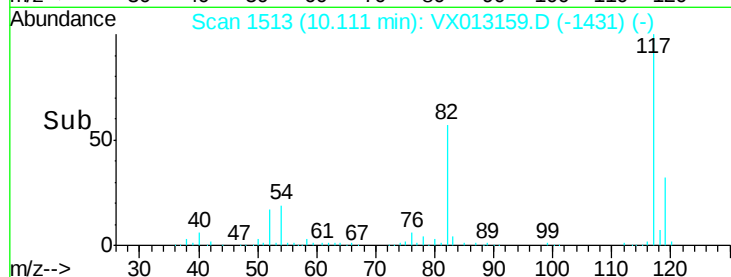
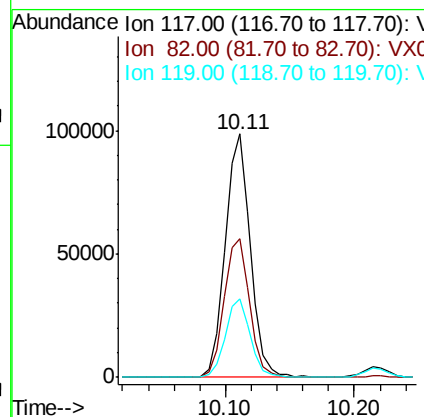
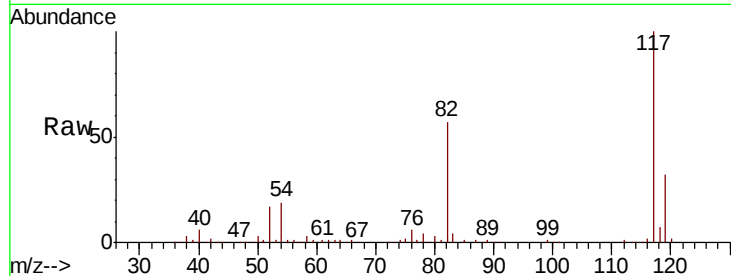
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.0	69.0
119	32.0	25.4	38.0

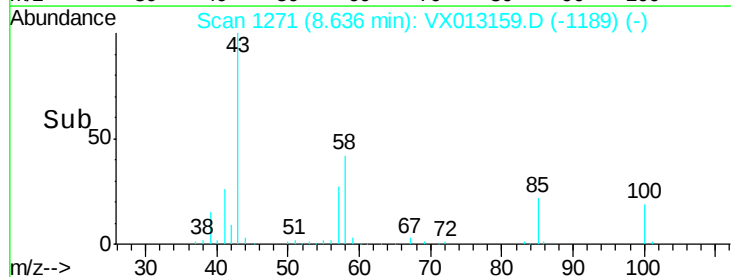
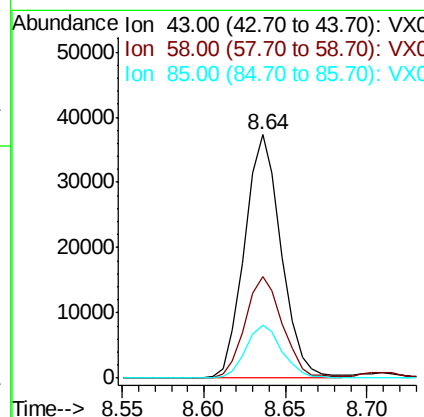
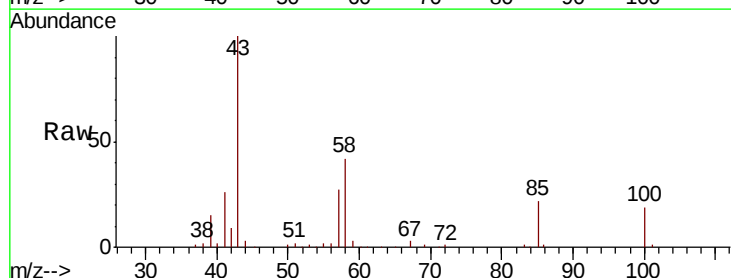
Manual Integrations
APPROVED

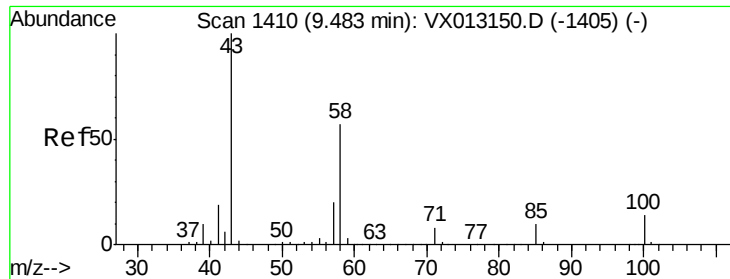
MMDadoda
10/22/2019 12:32:13 PM



#58
4-Methyl-2-Pentanone
Concen: 25.748 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.6	33.8	50.8
85	21.6	16.8	25.2





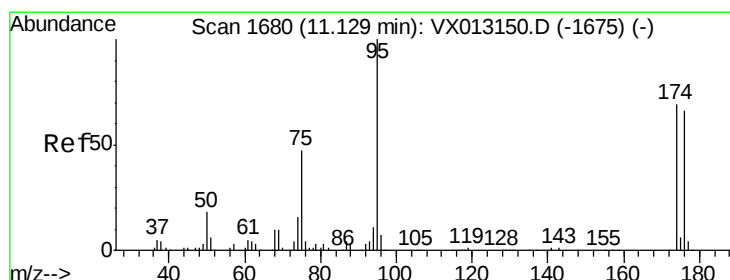
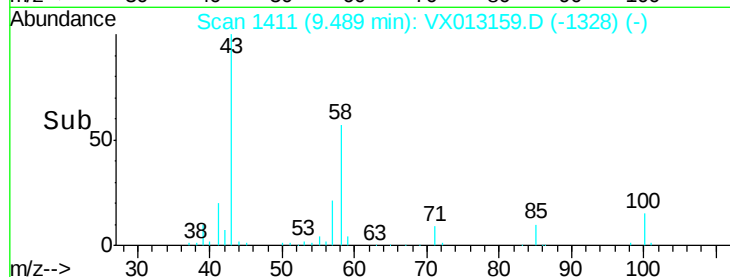
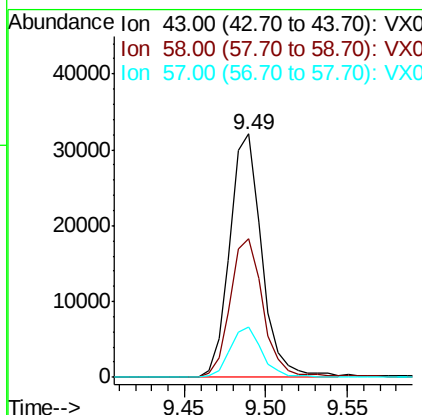
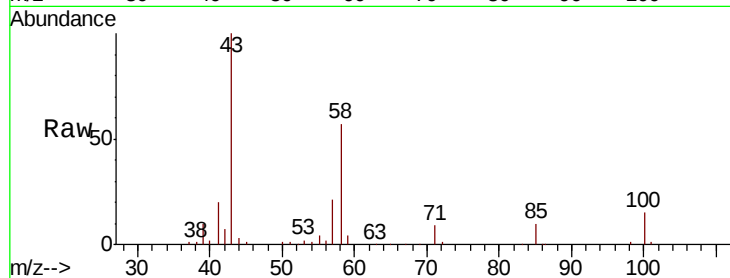
#59
2-Hexanone
Concen: 24.679 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	46.6	69.8
57	20.7	16.9	25.3

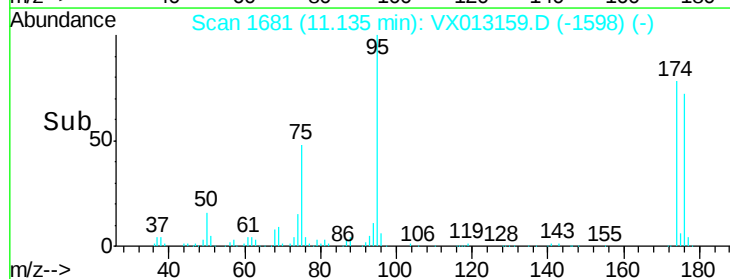
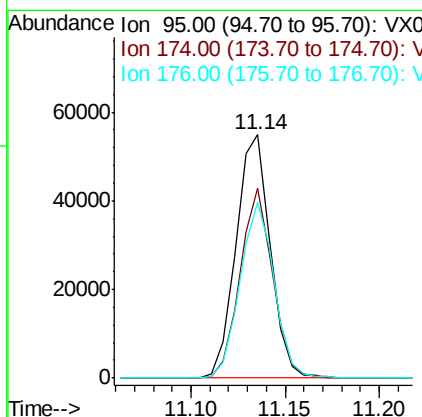
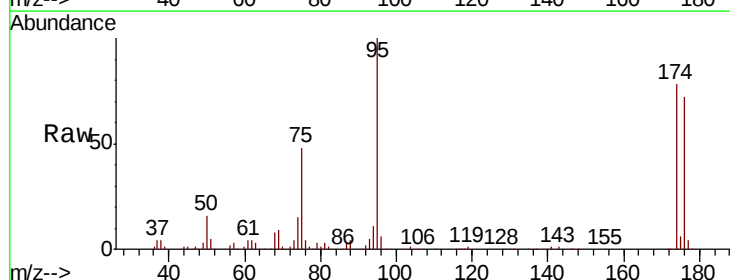
Manual Integrations
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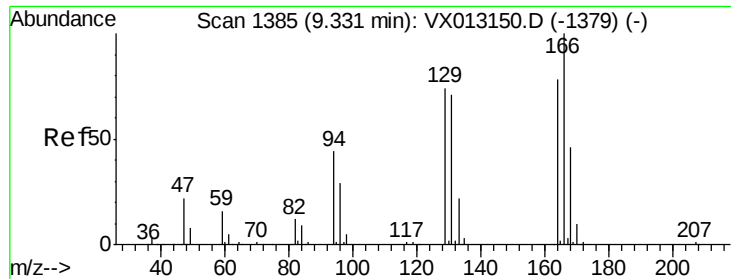
MMDadoda
10/22/2019 12:32:13 PM



#60
4-Bromofluorobenzene
Concen: 29.477 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	60.0	90.0
176	71.6	58.5	87.7





#61

Tetrachloroethene

Concen: 5.350 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:164 Resp: 9581

Ion Ratio Lower Upper

164 100

166 123.0 102.6 153.8

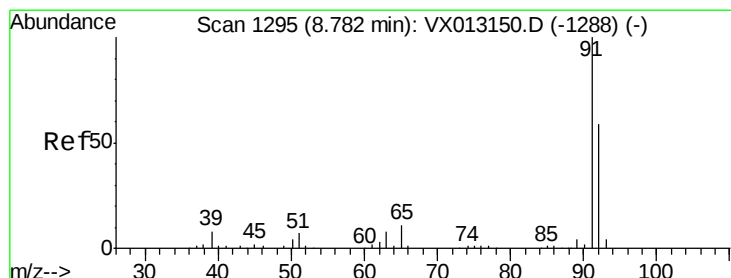
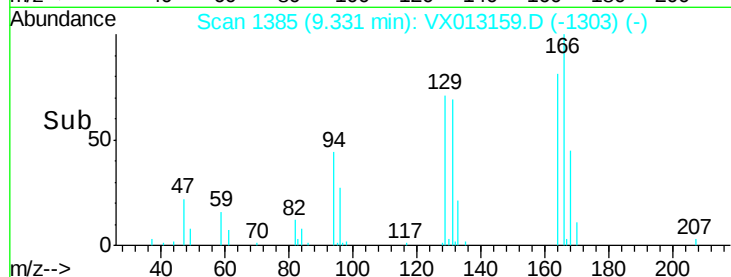
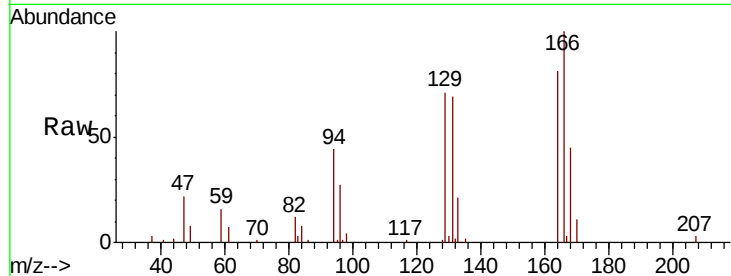
129 87.5 75.7 113.5

131 84.6 72.4 108.6

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#62

Toluene

Concen: 5.217 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013159.D

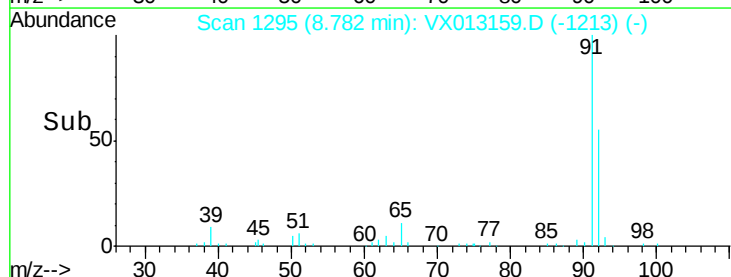
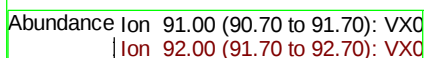
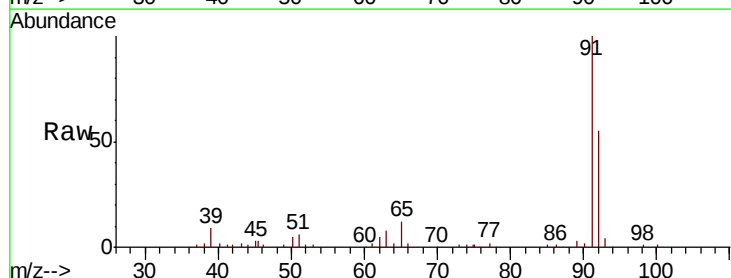
Acq: 21 Oct 2019 18:04

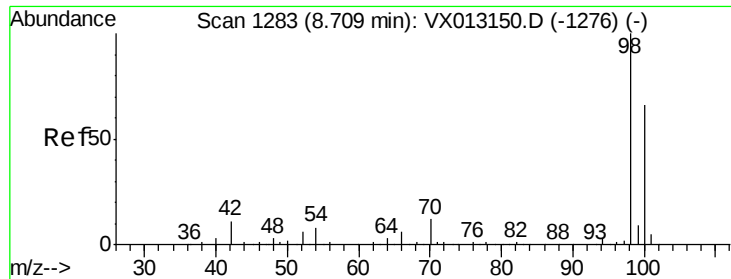
Tgt Ion: 91 Resp: 38044

Ion Ratio Lower Upper

91 100

92 57.5 47.7 71.5





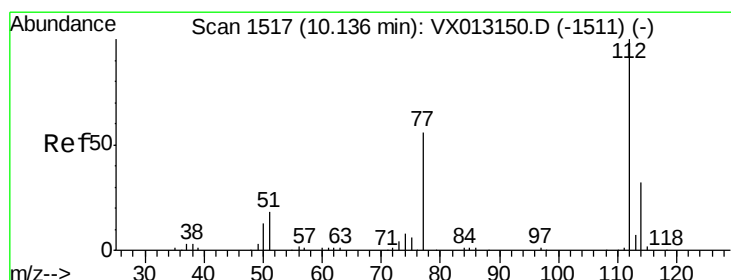
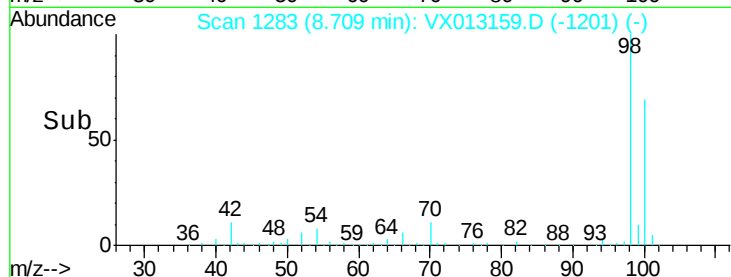
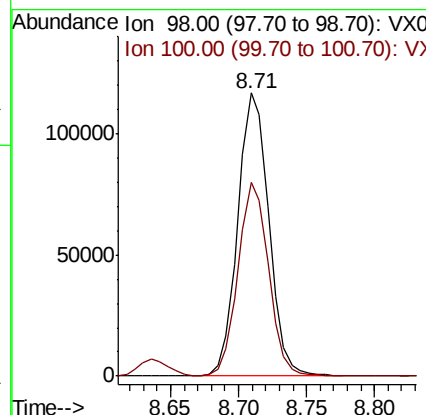
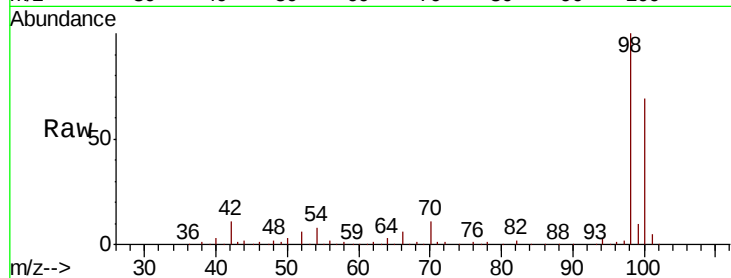
#63
Toluene-d8
Concen: 30.864 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion: 98 Resp: 185434
Ion Ratio Lower Upper
98 100
100 67.4 53.1 79.7

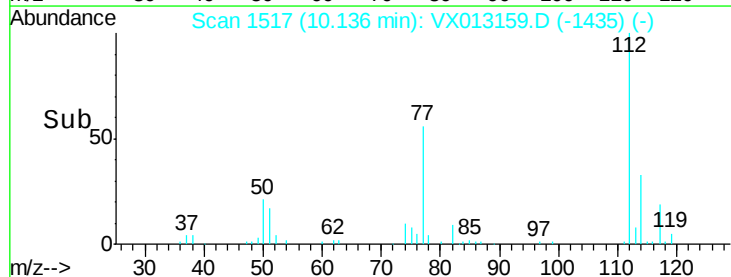
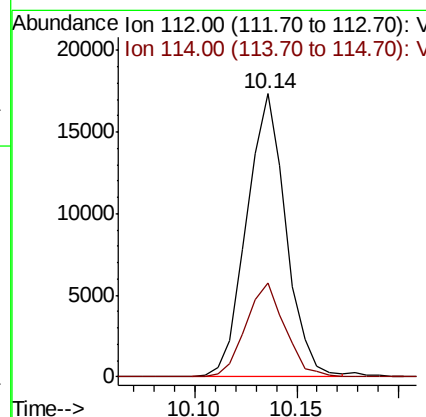
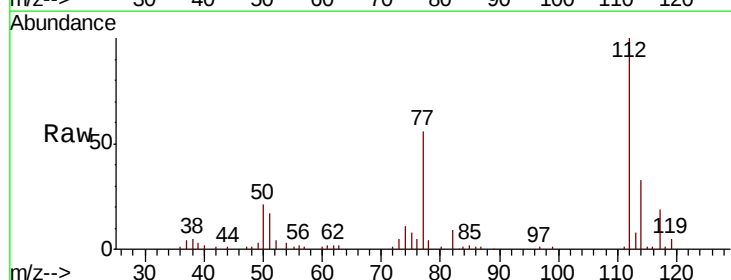
Manual Integrations
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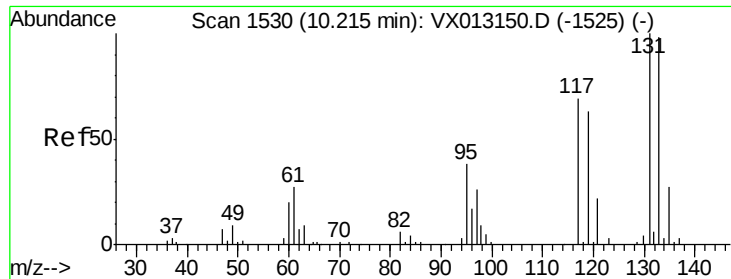
MMDadoda
10/22/2019 12:32:13 PM



#64
Chlorobenzene
Concen: 4.990 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion: 112 Resp: 23330
Ion Ratio Lower Upper
112 100
114 33.3 25.5 38.3





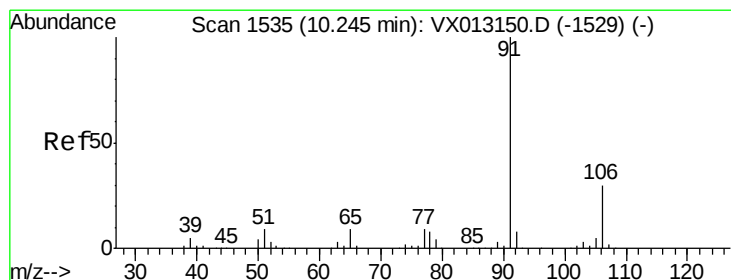
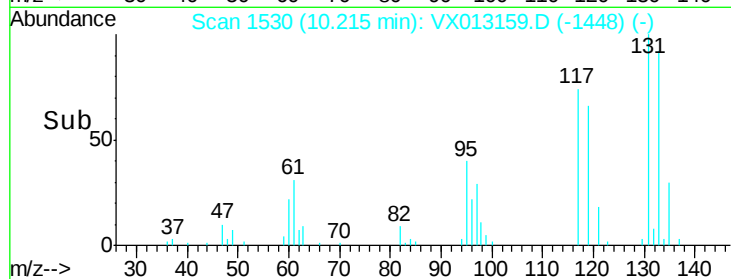
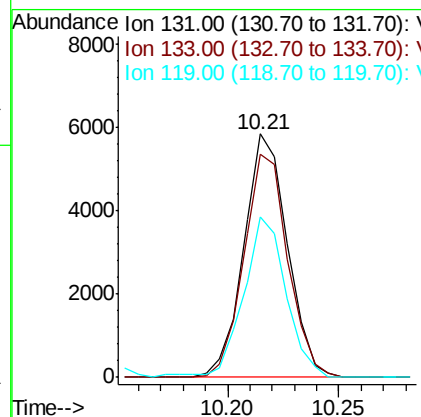
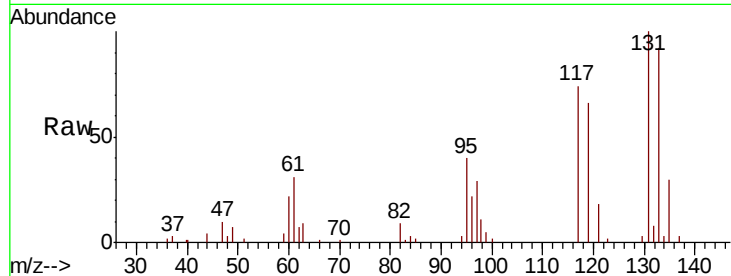
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.543 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.6	0.0	191.0
119	63.2	0.0	125.6

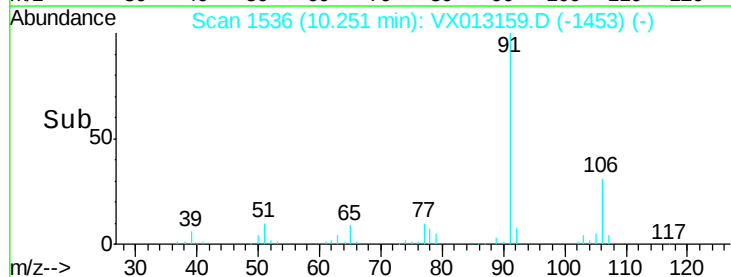
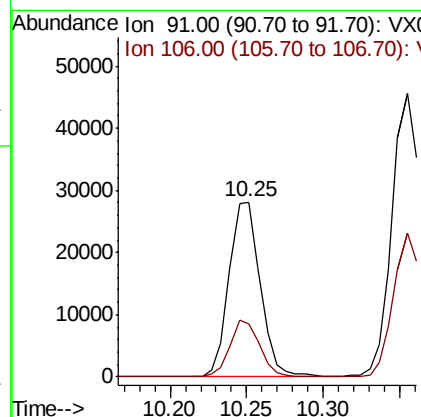
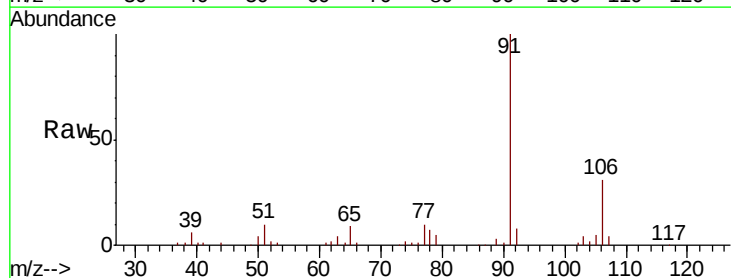
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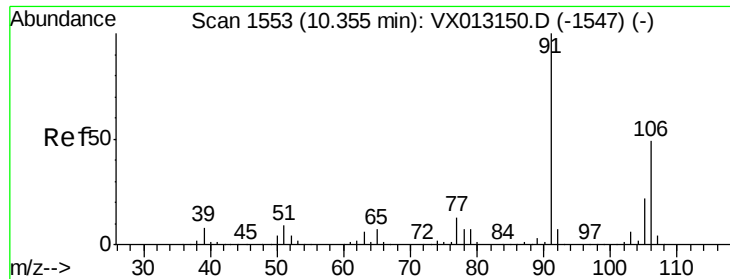
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#66
 Ethyl Benzene
 Concen: 4.752 ug/l
 RT: 10.25 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.8	35.6





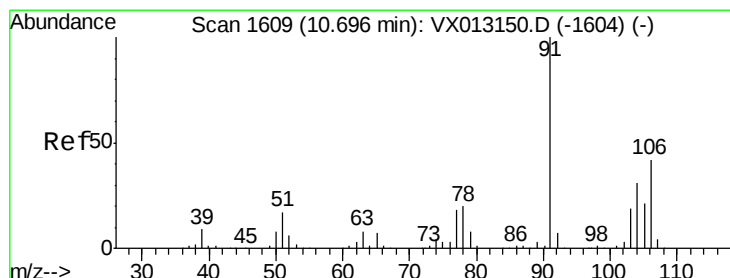
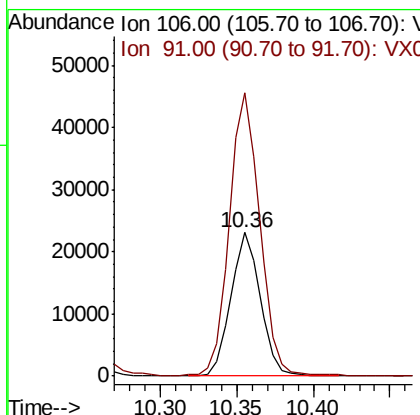
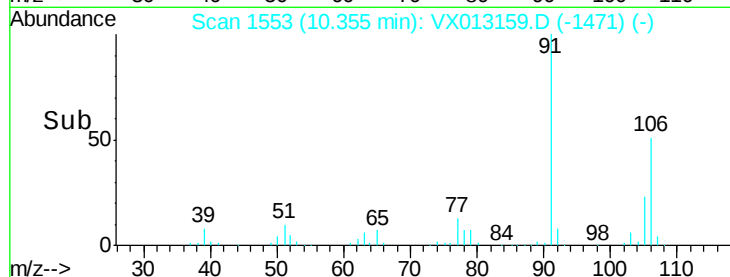
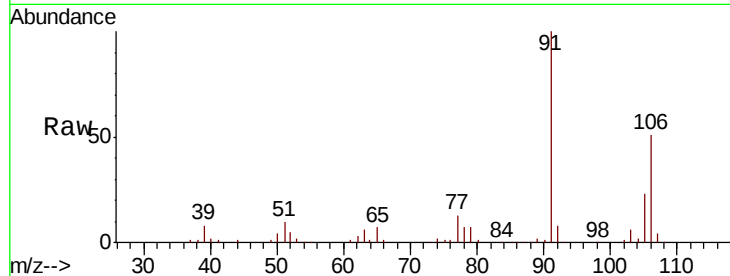
#67
m/p-Xvlenes
Concen: 9.678 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion:106 Resp: 30872
Ion Ratio Lower Upper
106 100
91 202.8 163.7 245.5

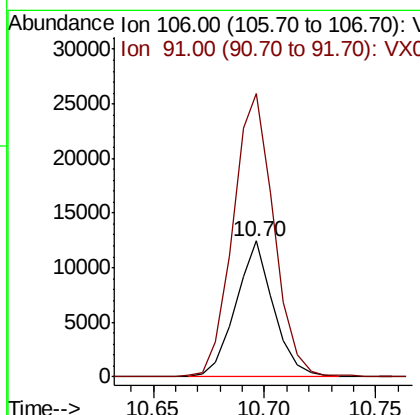
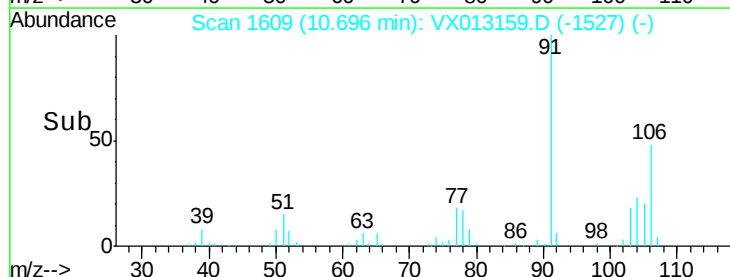
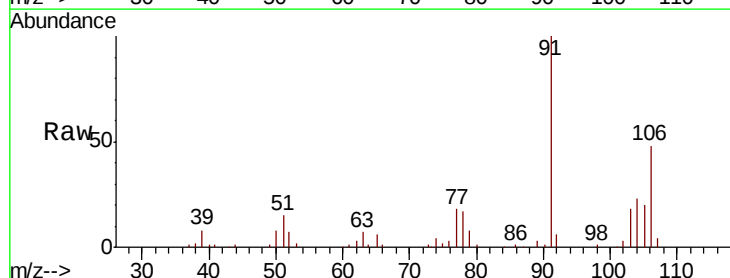
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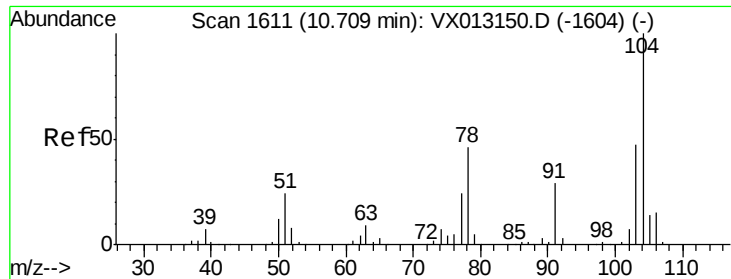
MMDadoda
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#68
o-Xylene
Concen: 4.835 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion:106 Resp: 14723
Ion Ratio Lower Upper
106 100
91 222.7 113.6 340.8





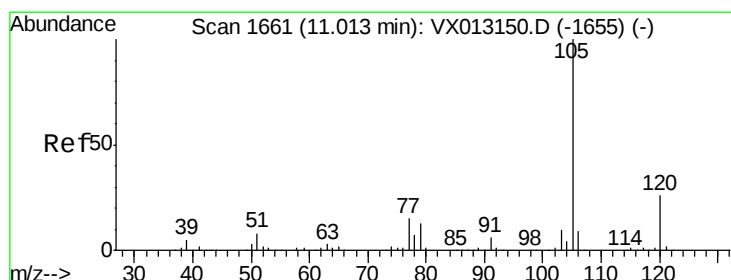
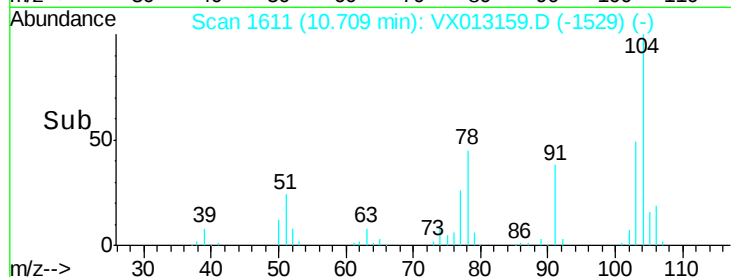
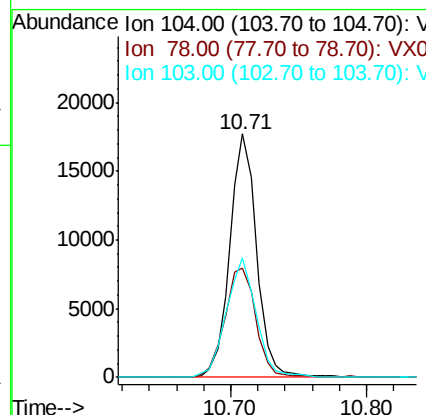
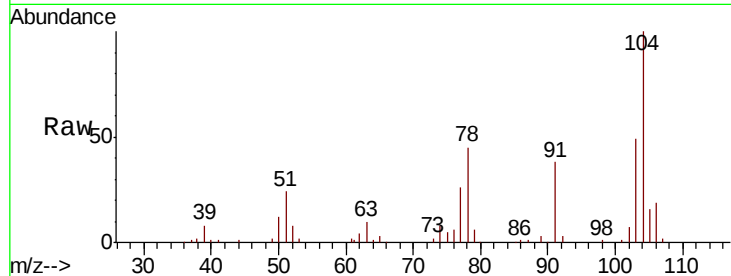
#69
Stvrene
Concen: 4.624 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.3	63.5
103	54.9	42.2	63.2

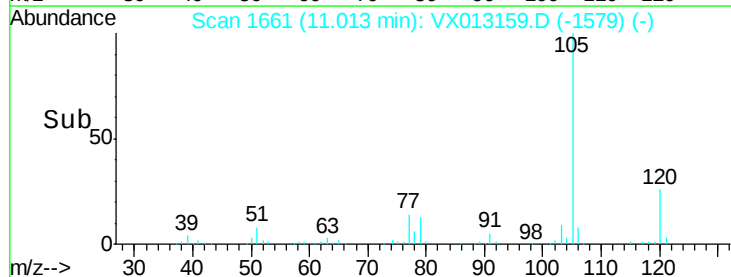
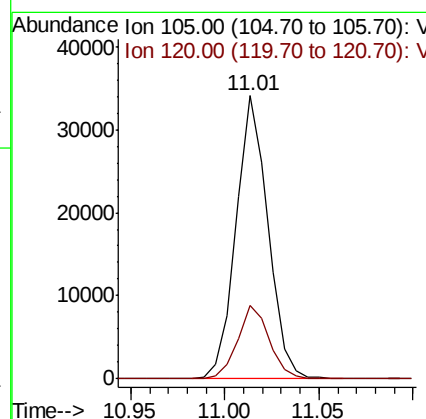
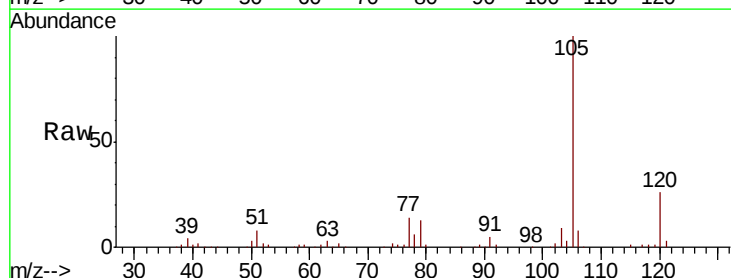
Manual Integrations
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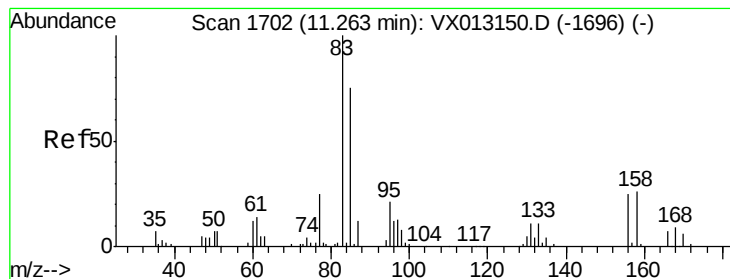
MMDadoda
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#70
Isopropylbenzene
Concen: 4.799 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 4.895 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

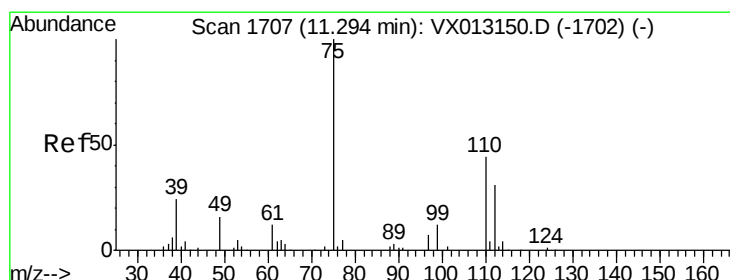
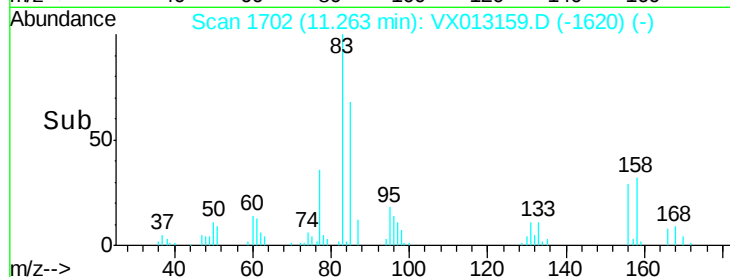
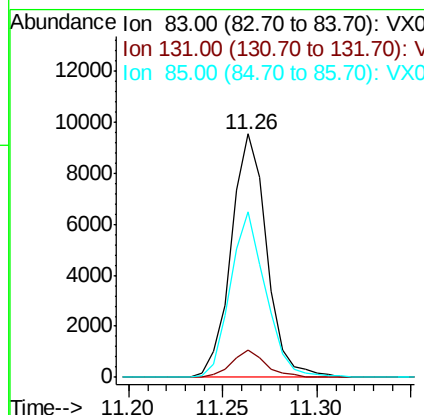
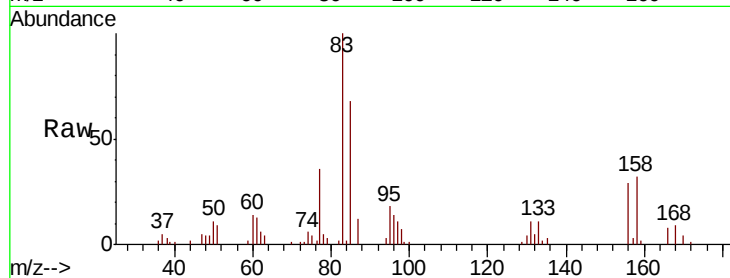
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	83	Resp:	12532
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	67.8	32.9	98.6

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 5.436 ug/l m

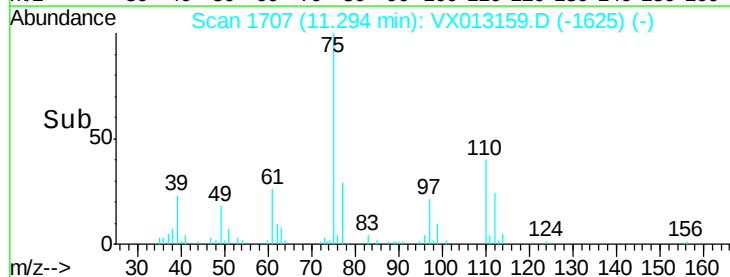
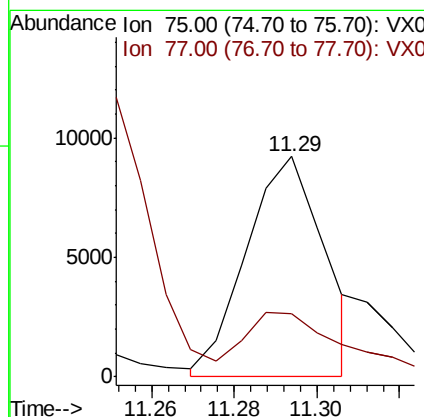
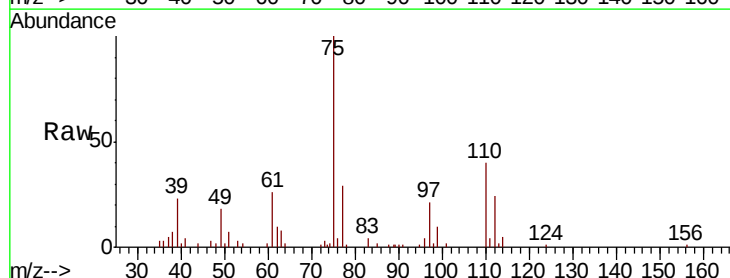
RT: 11.29 min Scan# 1707

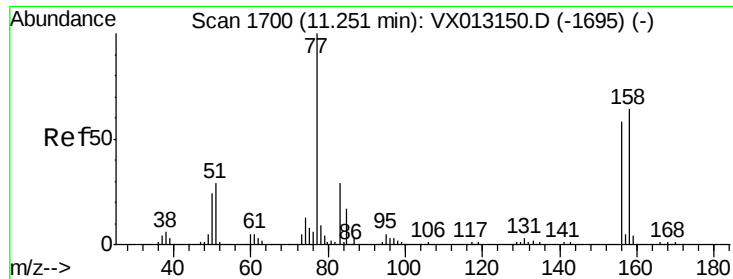
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion:	75	Resp:	12089
Ion Ratio	Lower	Upper	
75	100		
77	37.6	0.0	74.0





#73

Bromobenzene

Concen: 4.579 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

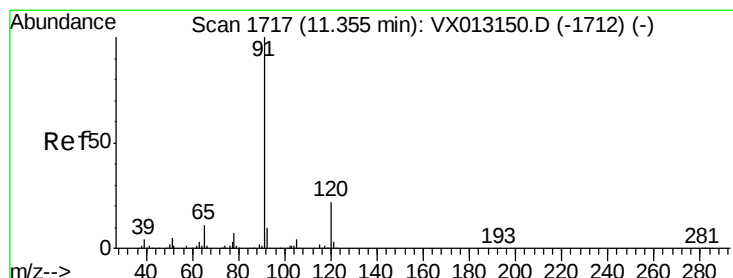
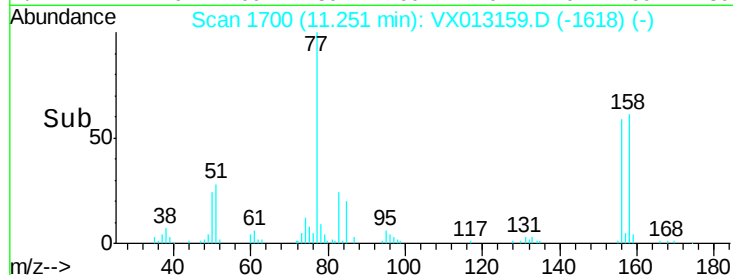
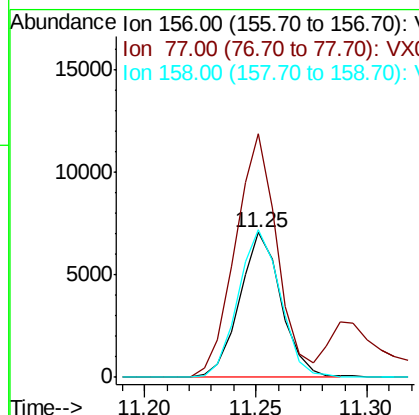
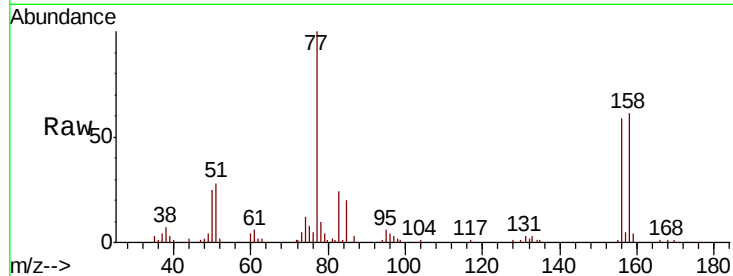
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.2	0.0	328.0
158	102.8	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 4.590 ug/l

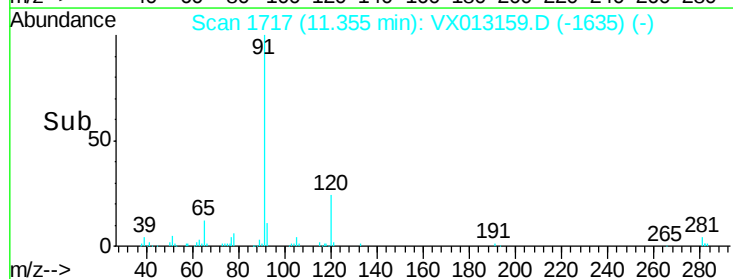
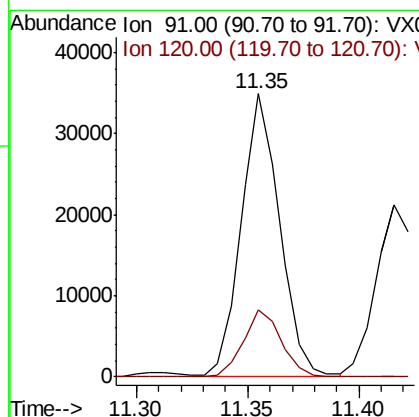
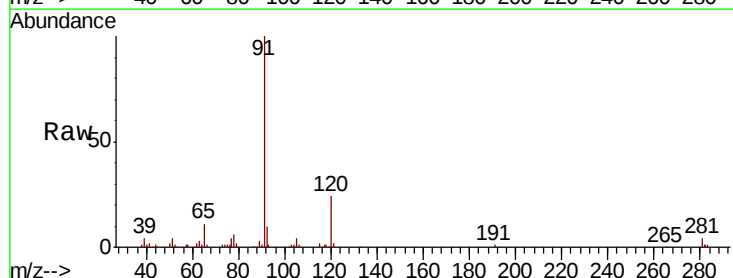
RT: 11.35 min Scan# 1717

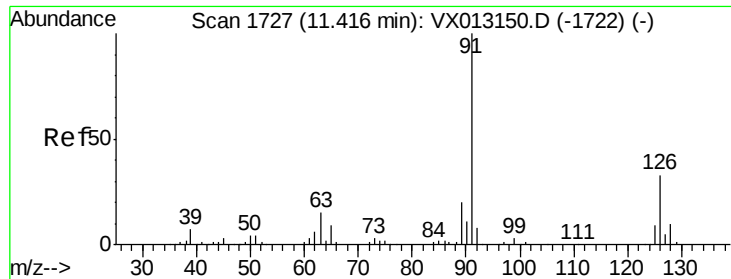
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	45.2





#75

2-Chlorotoluene

Concen: 4.765 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion: 91 Resp: 27343

Ion Ratio Lower Upper

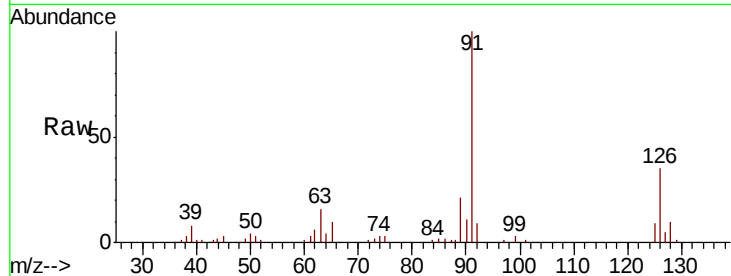
91 100

126 31.9 0.0 63.8

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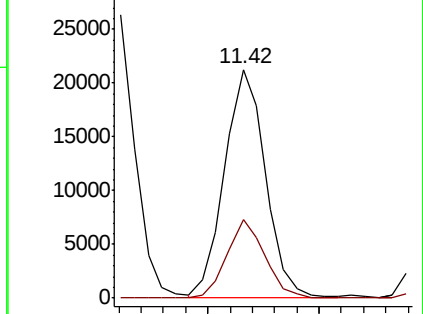
MMDadoda

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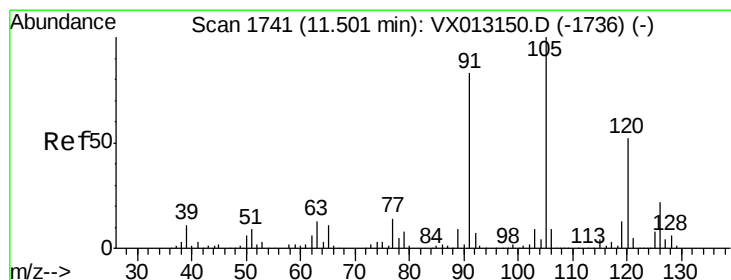
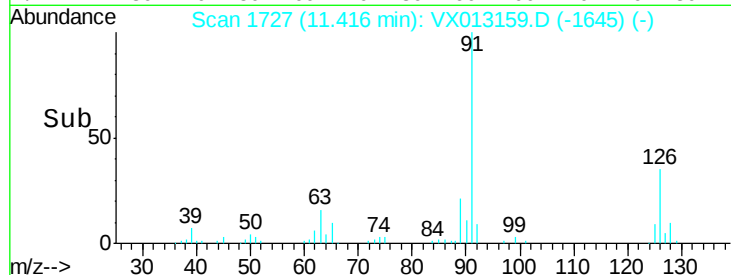


Abundance Ion 91.00 (90.70 to 91.70): VX013159.D (-1645) (-)

Ion 126.00 (125.70 to 126.70): VX013159.D (-1645) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.638 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013159.D

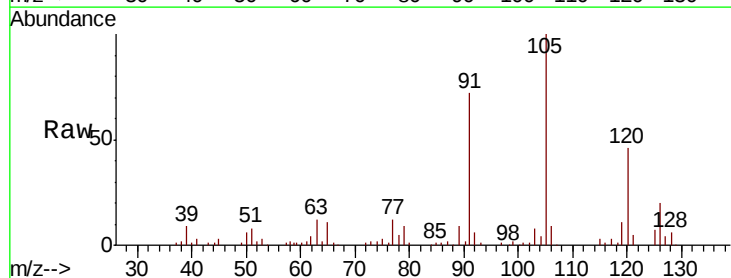
Acq: 21 Oct 2019 18:04

Tgt Ion: 105 Resp: 32531

Ion Ratio Lower Upper

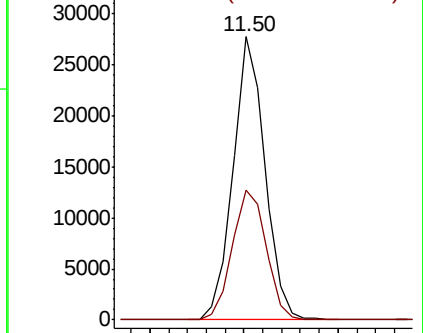
105 100

120 48.8 0.0 98.0

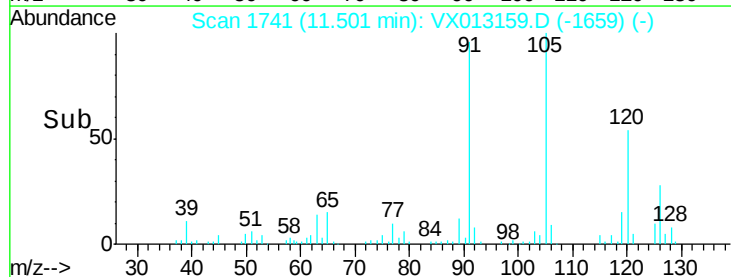


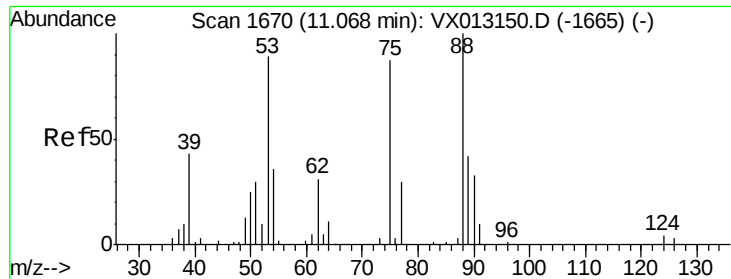
Abundance Ion 105.00 (104.70 to 105.70): VX013159.D (-1659) (-)

Ion 120.00 (119.70 to 120.70): VX013159.D (-1659) (-)



Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 3.736 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

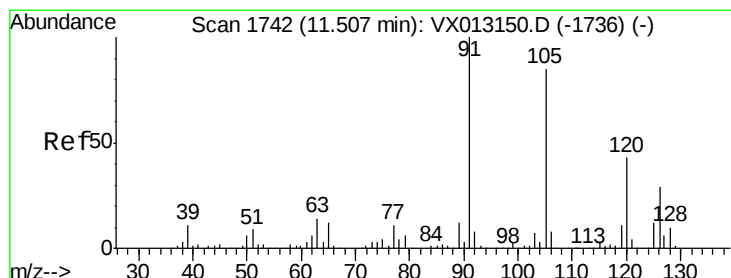
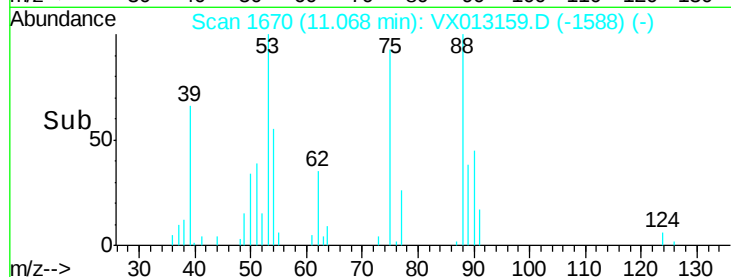
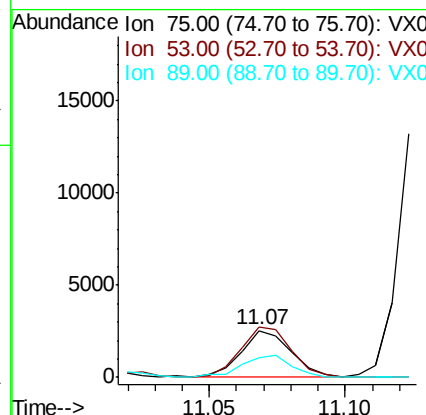
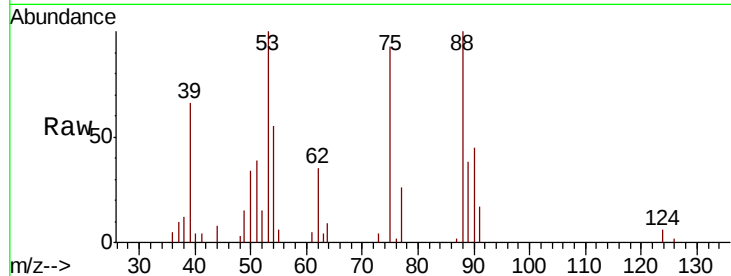
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	75	Resp:	3226
Ion	Ratio	Lower	Upper
75	100		
53	106.8	51.1	153.4
89	40.8	24.1	72.4

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#78

4-Chlorotoluene

Concen: 4.741 ug/l

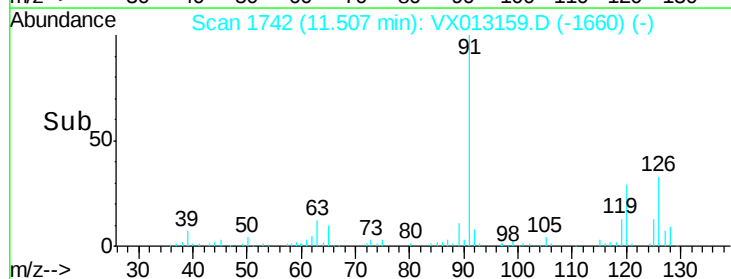
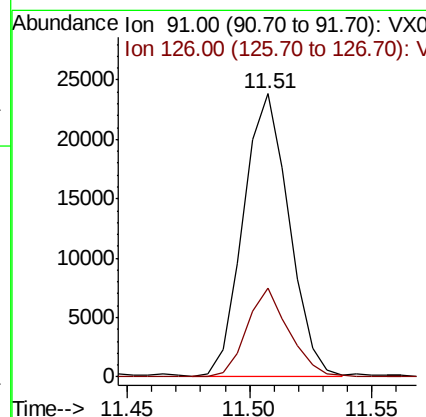
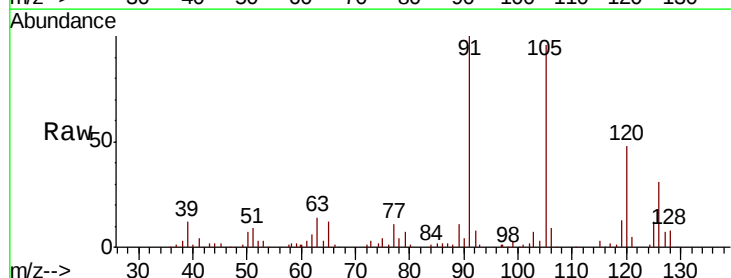
RT: 11.51 min Scan# 1742

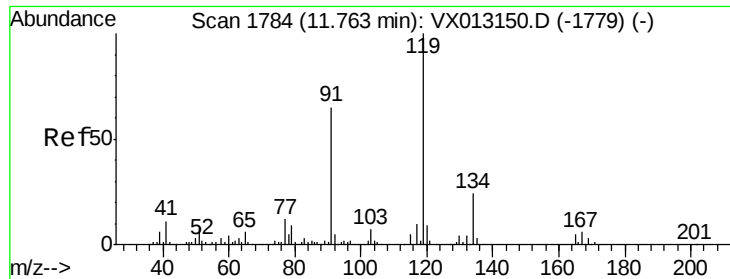
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion:	91	Resp:	31090
Ion	Ratio	Lower	Upper
91	100		
126	28.6	0.0	58.4





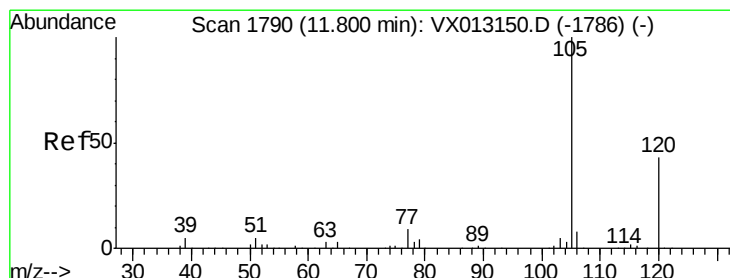
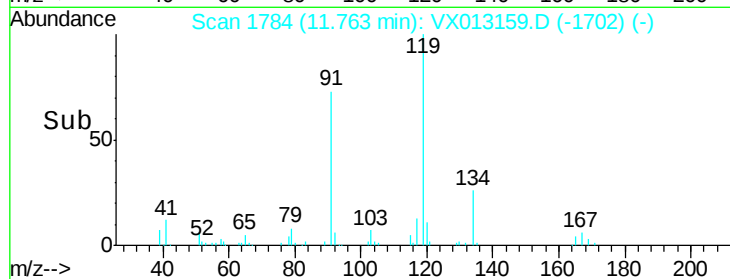
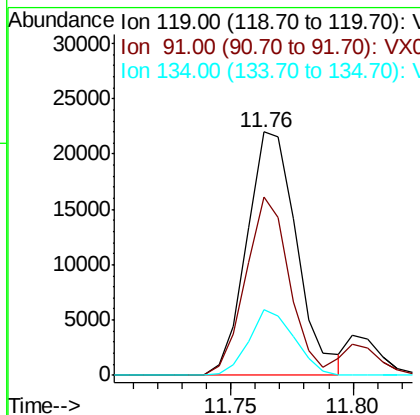
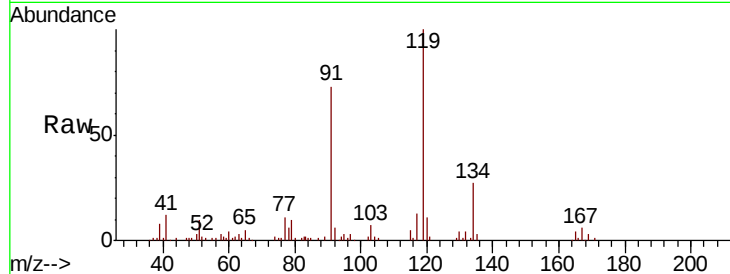
#79
tert-butylbenzene
Concen: 4.626 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
119	100	31245		
91	64.5	0.0	128.4	
134	24.5	0.0	49.0	

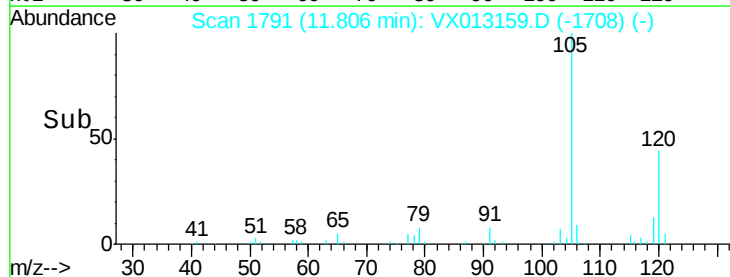
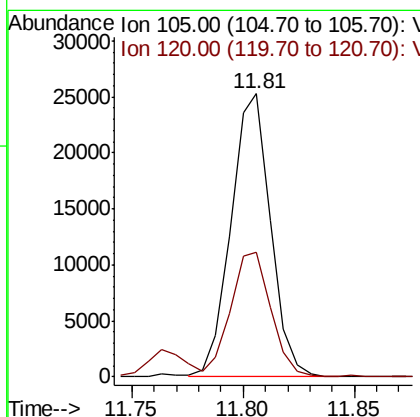
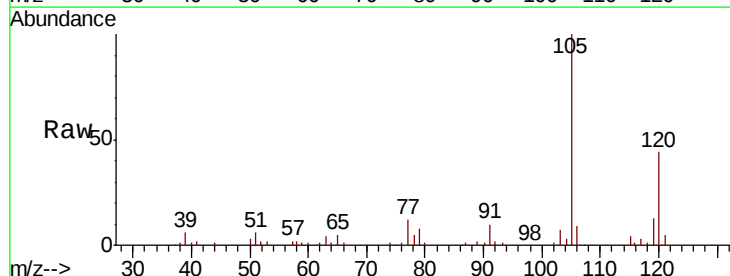
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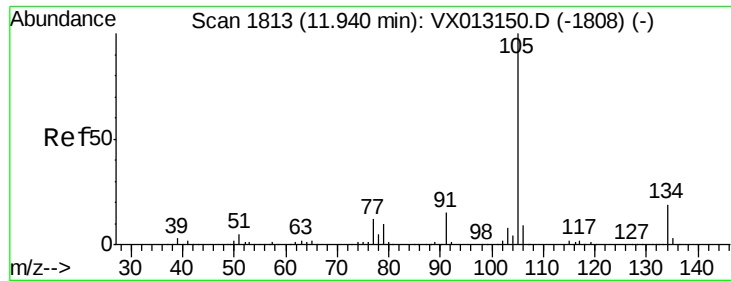
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.465 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	31284		
120	45.1	0.0	87.4	





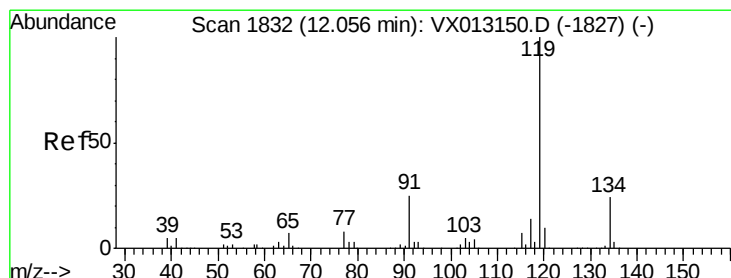
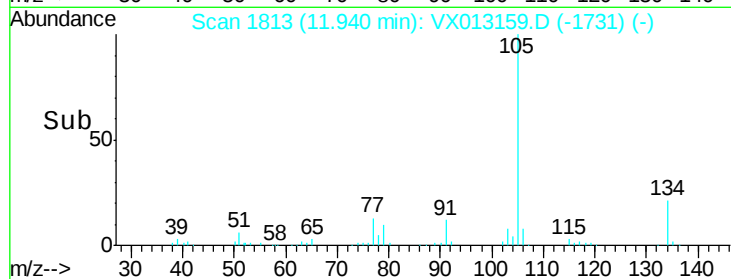
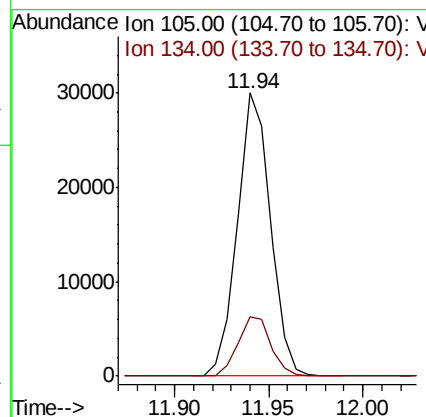
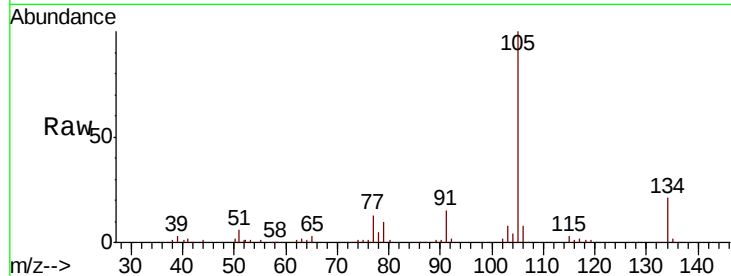
#81
 sec-Butylbenzene
 Concen: 4.552 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion:105 Resp: 36623
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.2

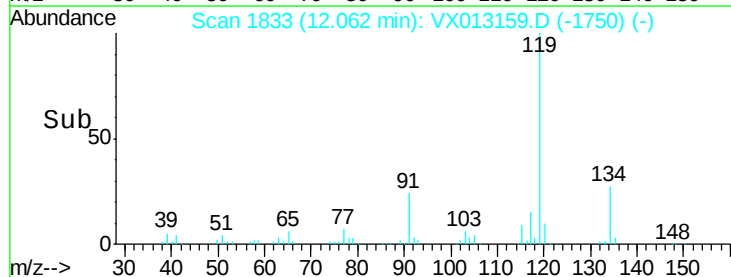
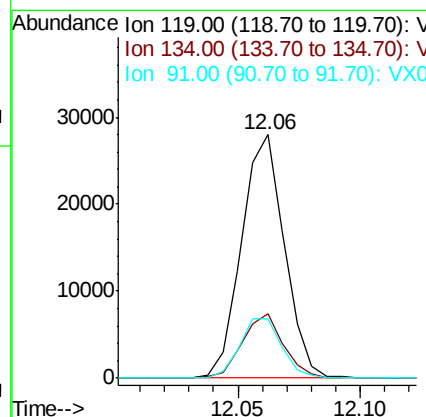
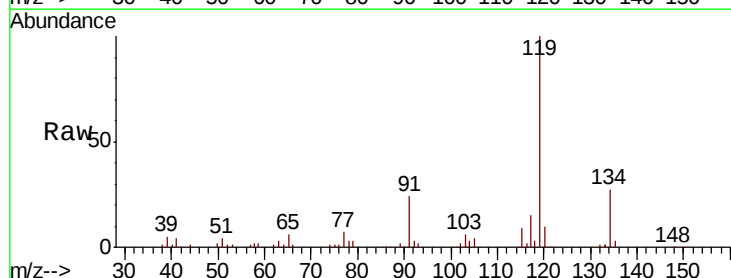
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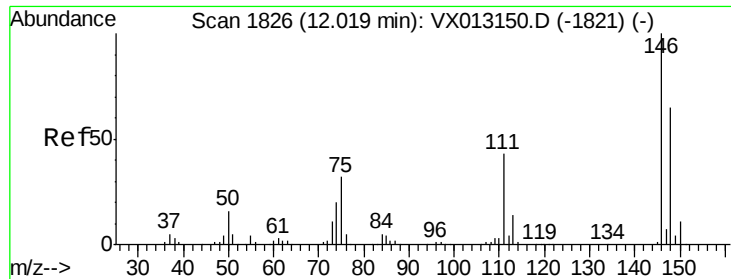
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#82
 p-Isopropyltoluene
 Concen: 4.635 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion:119 Resp: 34098
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 51.6
 91 24.3 0.0 50.0





#83

1,3-Dichlorobenzene

Concen: 4.705 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Instrument :

MSVOA_X

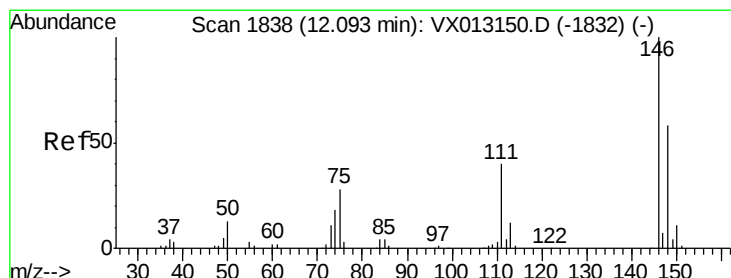
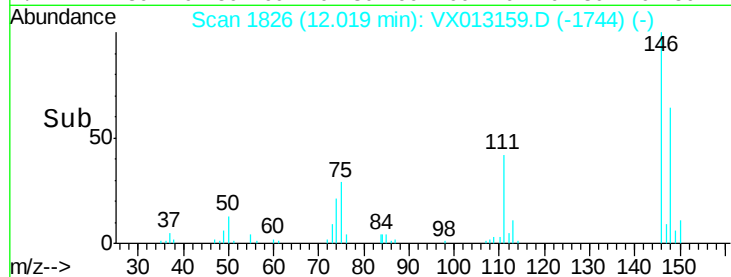
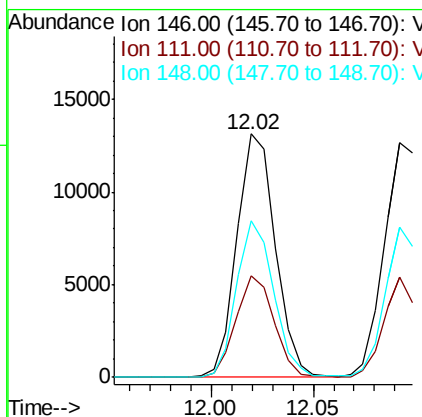
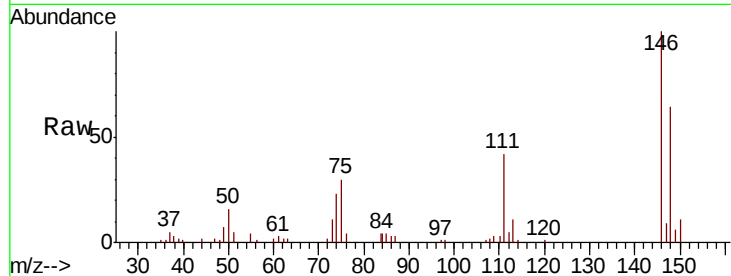
ClientSampleId :

LOQ-WATER-02-QT4-2019

Tot Ion:	146	Resp:	17230
Ion Ratio	Lower	Upper	
146	100		
111	41.2	21.8	65.4
148	61.9	31.2	93.6

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 4.682 ug/l

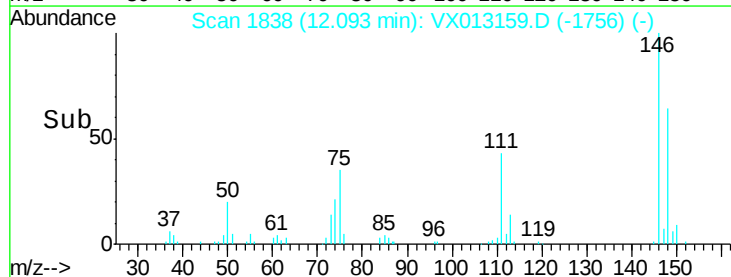
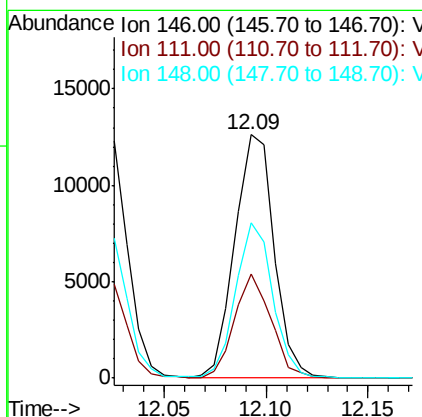
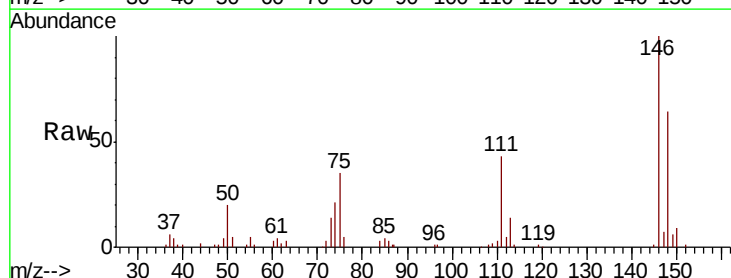
RT: 12.09 min Scan# 1838

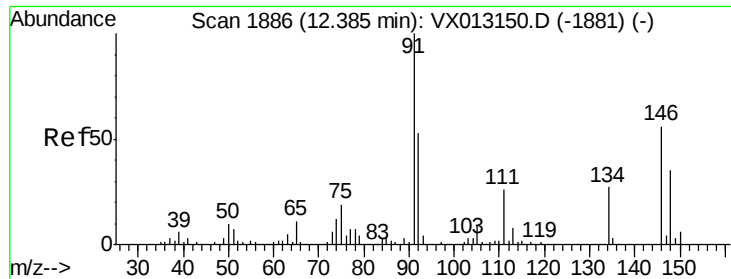
Delta R.T. -0.00 min

Lab File: VX013159.D

Acq: 21 Oct 2019 18:04

Tgt Ion:	146	Resp:	16957
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.9
148	60.0	31.4	94.2





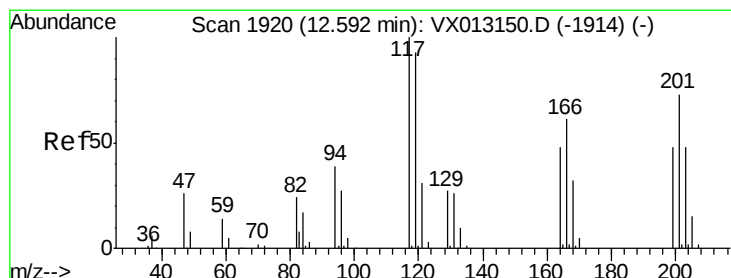
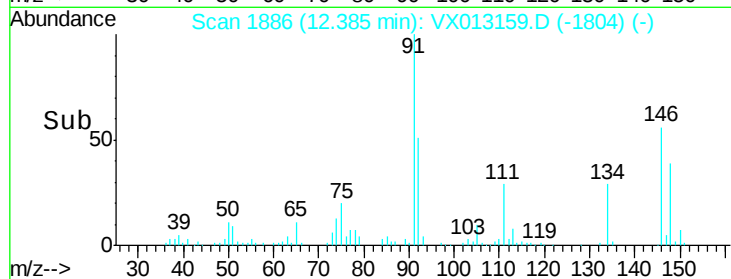
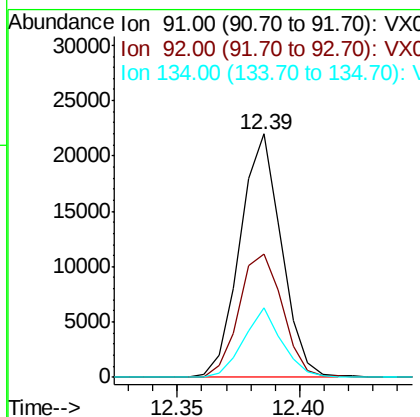
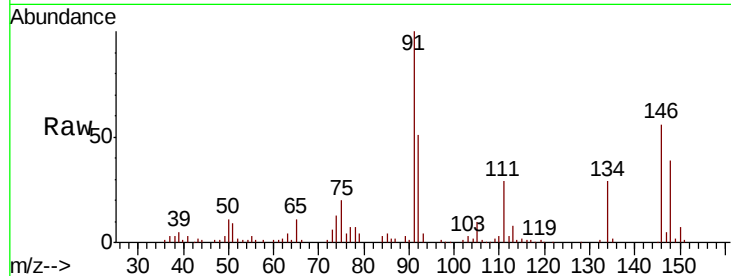
#85
n-Butylbenzene
Concen: 4.162 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Resp	Lower	Upper
91	100	26005		
92	53.2		0.0	106.8
134	26.0		0.0	52.4

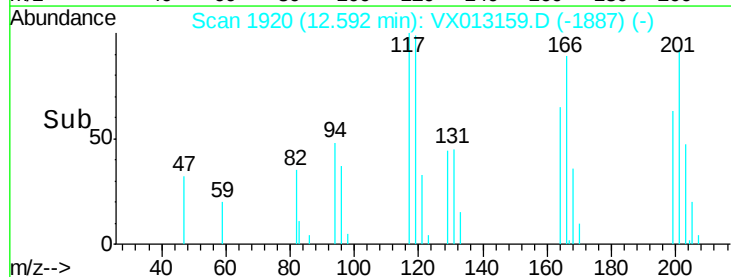
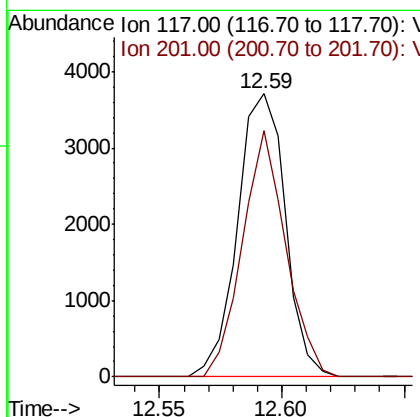
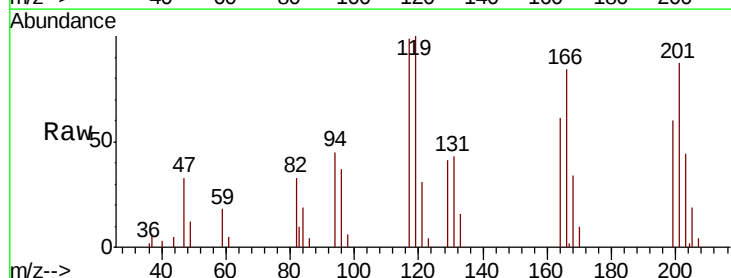
Manual Integrations
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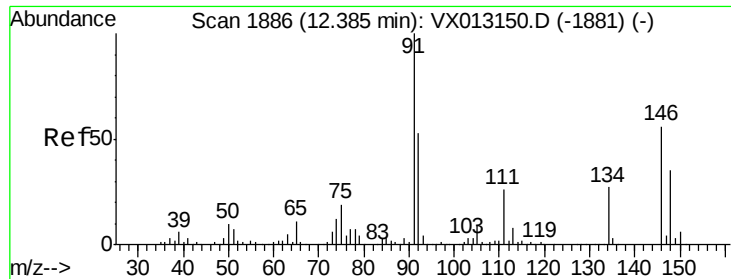
MMDadoda
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#86
Hexachloroethane
Concen: 3.927 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	5042		
201	79.5		35.9	107.5





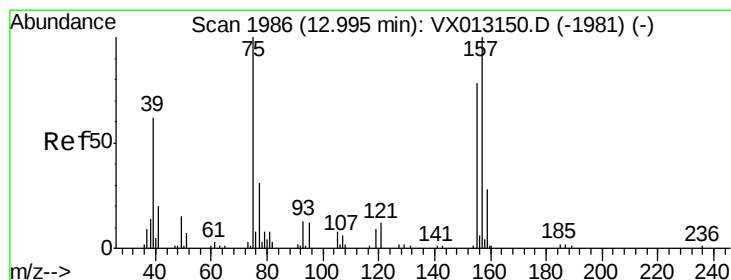
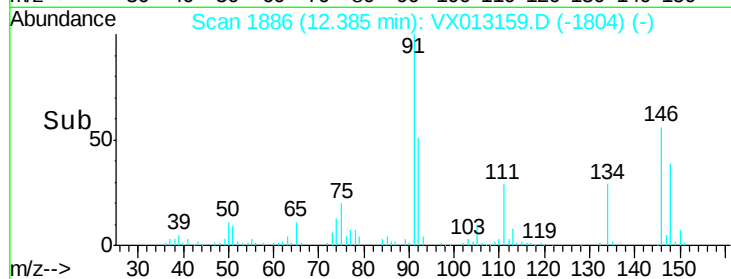
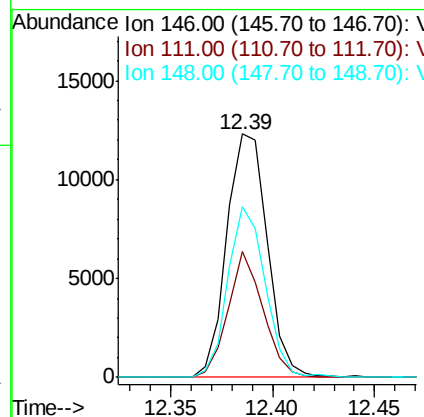
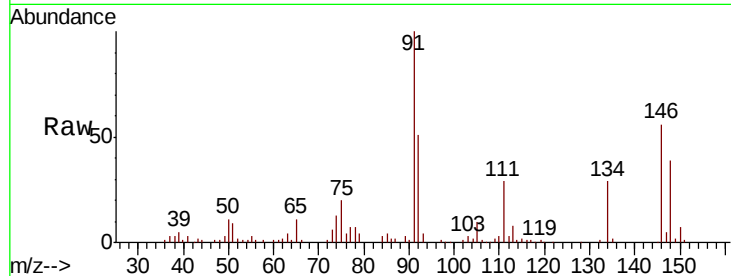
#87
 1,2-Dichlorobenzene
 Concen: 4.763 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.5	67.5
148	64.2	31.4	94.2

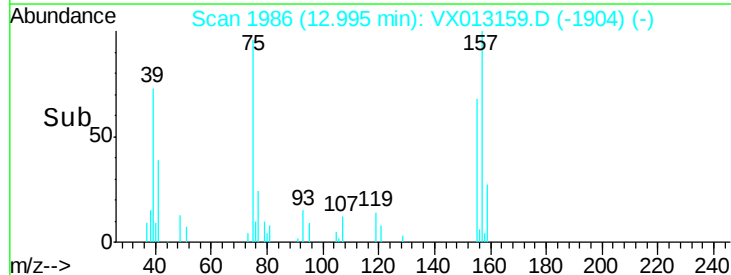
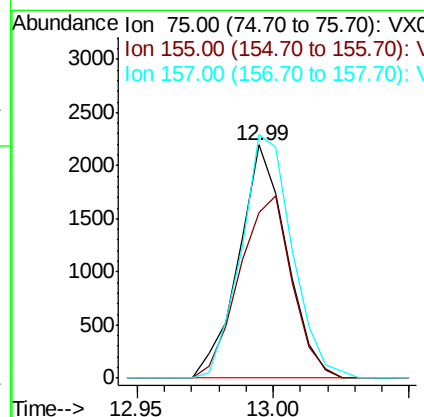
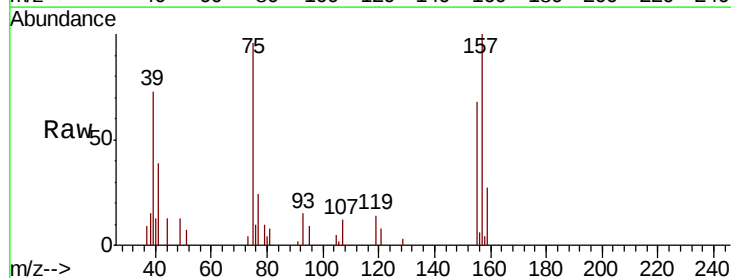
Manual Integrations
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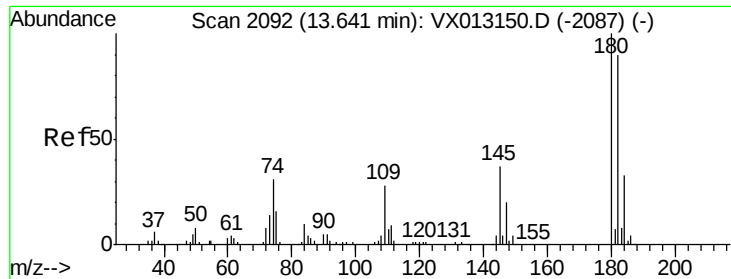
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.242 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013159.D
 Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	65.4	98.0
157	111.7	84.1	126.1





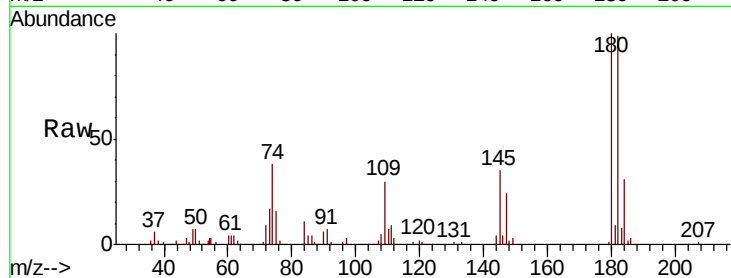
#89
1,2,4-Trichlorobenzene
Concen: 4.410 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.0	76.1	114.1
145	31.9	27.4	41.2

Manual Integrations
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10/22/2019 12:32:13 PM

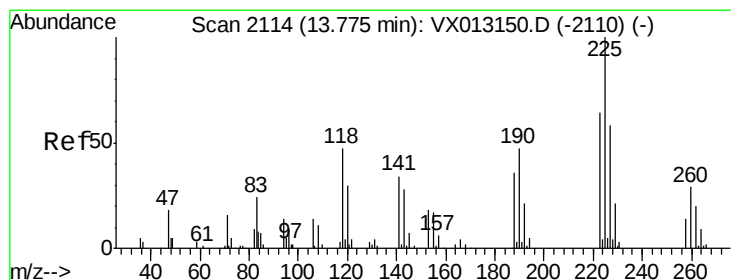
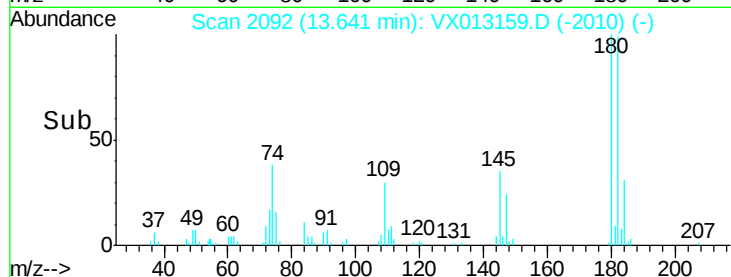
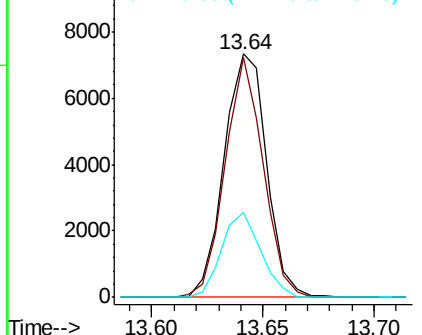


Abundance

Ion 180.00 (179.70 to 180.70): V

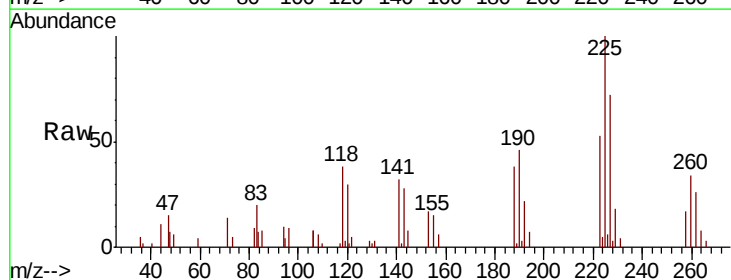
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 4.197 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	0.0	131.2
227	71.3	0.0	127.0

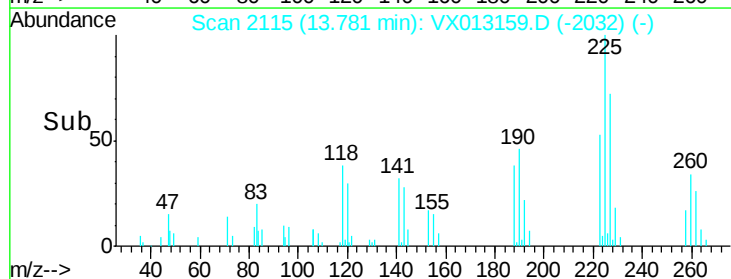
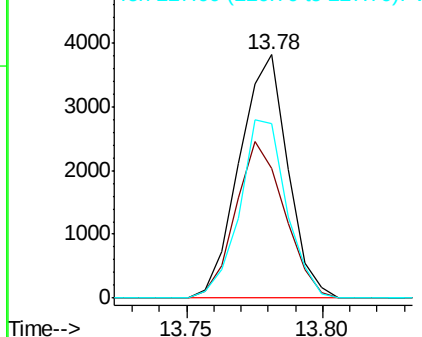


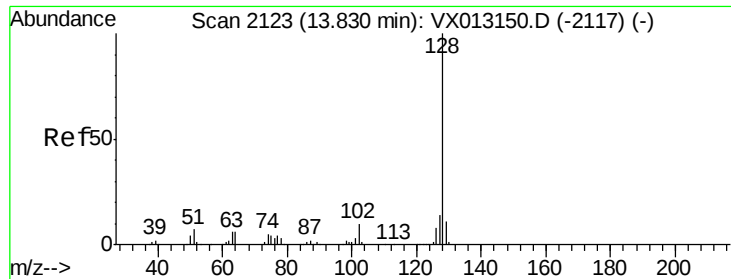
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





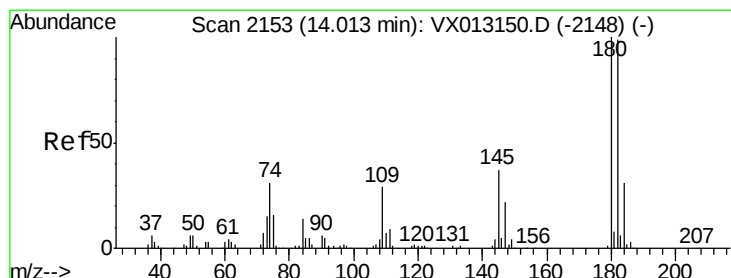
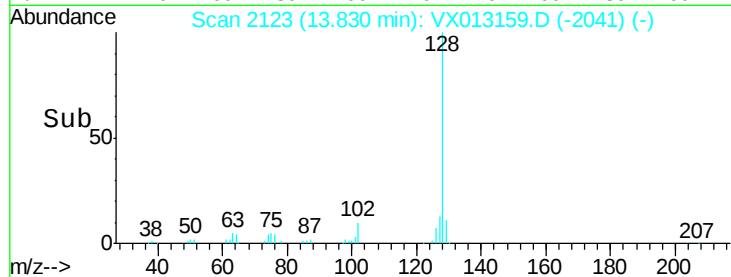
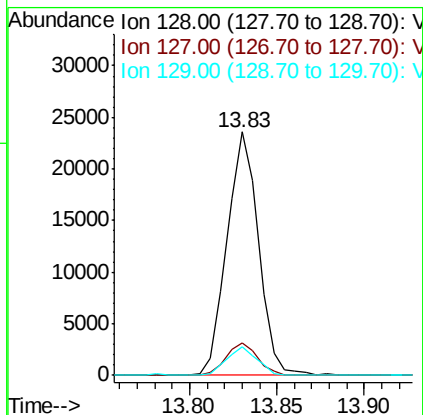
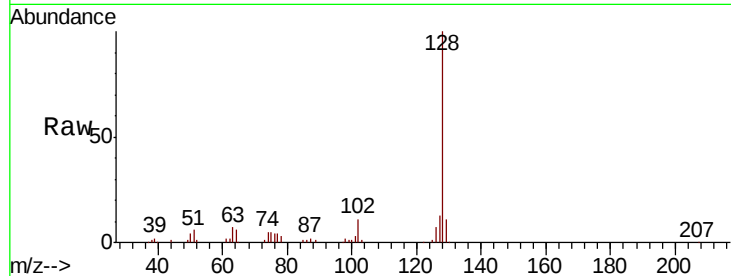
#91
Naphthalene
Concen: 4.119 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
LOQ-WATER-02-QT4-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:32:13 PM



#92
1,2,3-Trichlorobenzene
Concen: 4.369 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013159.D
Acq: 21 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	194.4
145	35.8	0.0	71.2

