

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017368.D
 Acq On : 14 Jul 2020 11:03
 Operator : JC/SP
 Sample : L3216-09 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:40 AM

Quant Time: Jul 15 02:55:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	453403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208923	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	184559	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.46	113	148796	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.70	98	510184	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	11.12	95	185664	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1144	0.467	ug/l	100
3) Chloromethane	1.31	50	1543	0.559	ug/l	96
4) Vinyl Chloride	1.40	62	1231	0.451	ug/l	90
5) Bromomethane	1.64	94	1643	0.924	ug/l #	78
6) Chloroethane	1.72	64	1061	0.616	ug/l #	78
7) Trichlorofluoromethane	1.92	101	2365	0.513	ug/l	92
8) Diethyl Ether	2.17	74	984m	0.604	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1399	0.533	ug/l	95
10) Methyl Iodide	2.49	142	1381	0.434	ug/l #	85
11) Tert butyl alcohol	3.01	59	1749	2.855	ug/l	99
12) 1,1-Dichloroethene	2.36	96	1348	0.511	ug/l #	76
13) Acrolein	2.28	56	1027	3.058	ug/l #	61
14) Allyl chloride	2.71	41	2465	0.540	ug/l	96
15) Acrylonitrile	3.12	53	4216	2.839	ug/l	89
16) Acetone	2.42	43	4060	3.130	ug/l	99
17) Carbon Disulfide	2.55	76	4548	0.591	ug/l #	85
18) Methyl Acetate	2.75	43	1914	0.597	ug/l #	81
19) Methyl tert-butyl Ether	3.18	73	4071	0.455	ug/l #	83
20) Methylene Chloride	2.84	84	2551	0.806	ug/l	86
21) trans-1,2-Dichloroethene	3.14	96	1717	0.569	ug/l	86
22) Diisopropyl ether	3.82	45	3953	0.454	ug/l #	67
23) Vinyl Acetate	3.79	43	15795	2.064	ug/l #	90
24) 1,1-Dichloroethane	3.68	63	2577	0.504	ug/l #	92
25) 2-Butanone	4.64	43	5195	2.521	ug/l #	88
26) 2,2-Dichloropropane	4.56	77	2826	0.594	ug/l	100
27) cis-1,2-Dichloroethene	4.55	96	1719m	0.520	ug/l	
28) Bromochloromethane	4.98	49	1647	0.697	ug/l #	82
29) Tetrahydrofuran	5.12	42	3494m	2.620	ug/l	
30) Chloroform	5.18	83	2622	0.476	ug/l	94
31) Cyclohexane	5.54	56	1834	0.438	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	2597	0.511	ug/l #	40
36) 1,1-Dichloropropene	5.76	75	2153	0.516	ug/l #	69
37) Ethyl Acetate	4.81	43	2167	0.502	ug/l #	90
38) Carbon Tetrachloride	5.76	117	2441	0.500	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2279	0.503	ug/l #	67
40) Benzene	6.11	78	5673	0.473	ug/l	96
41) Methacrylonitrile	5.01	41	1475m	0.637	ug/l	
42) 1,2-Dichloroethane	6.17	62	2846	0.611	ug/l	96
43) Isopropyl Acetate	6.41	43	3122	0.453	ug/l #	93
44) Trichloroethene	7.18	130	2039	0.557	ug/l	87
45) 1,2-Dichloropropane	7.49	63	1378	0.449	ug/l	94
46) Dibromomethane	7.64	93	1153	0.521	ug/l	93
47) Bromodichloromethane	7.87	83	1916	0.414	ug/l #	86
48) Methyl methacrylate	7.74	41	1703	0.515	ug/l #	83
49) 1,4-Dioxane	7.73	88	815	12.042	ug/l #	53
51) 4-Methyl-2-Pentanone	8.62	43	7961	1.894	ug/l	99
52) Toluene	8.77	92	3673	0.478	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	2441	0.490	ug/l	91
54) cis-1,3-Dichloropropene	8.42	75	2226	0.419	ug/l #	78
55) 1,1,2-Trichloroethane	9.20	97	1560	0.486	ug/l	92
56) Ethyl methacrylate	9.16	69	1555	0.342	ug/l #	73
57) 1,3-Dichloropropane	9.35	76	2337	0.438	ug/l #	76
58) 2-Chloroethyl Vinyl ether	8.29	63	4008	1.734	ug/l	99
59) 2-Hexanone	9.48	43	6159	1.942	ug/l	90
60) Dibromochloromethane	9.56	129	1471	0.375	ug/l	83
61) 1,2-Dibromoethane	9.65	107	1579	0.453	ug/l	90
64) Tetrachloroethene	9.32	164	1896	0.521	ug/l	96
65) Chlorobenzene	10.12	112	4149	0.485	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.21	131	1497	0.440	ug/l #	65
67) Ethyl Benzene	10.23	91	5614	0.395	ug/l	99
68) m/p-Xylenes	10.34	106	4259	0.787	ug/l	95
69) o-Xylene	10.68	106	1874	0.362	ug/l	85
70) Styrene	10.70	104	3435	0.387	ug/l	93
71) Bromoform	10.84	173	1160	0.404	ug/l #	99
73) Isopropylbenzene	11.00	105	4578	0.350	ug/l	96
74) N-amyl acetate	10.88	43	2143	0.409	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	2240	0.563	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	2034m	0.527	ug/l	
77) Bromobenzene	11.24	156	1804	0.484	ug/l	96
78) n-propylbenzene	11.35	91	6270	0.426	ug/l	97
79) 2-Chlorotoluene	11.40	91	4046	0.446	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	4214	0.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	665m	0.437	ug/l	
82) 4-Chlorotoluene	11.49	91	4601	0.428	ug/l	98
83) tert-Butylbenzene	11.76	119	4103	0.382	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	3852	0.343	ug/l	81
85) sec-Butylbenzene	11.93	105	4522	0.359	ug/l #	76
86) p-Isopropyltoluene	12.05	119	4334	0.364	ug/l #	82
87) 1,3-Dichlorobenzene	12.01	146	2963	0.444	ug/l	87
88) 1,4-Dichlorobenzene	12.08	146	3975m	0.590	ug/l	
89) n-Butylbenzene	12.37	91	4366	0.430	ug/l	98
90) Hexachloroethane	12.59	117	853	0.377	ug/l	84
91) 1,2-Dichlorobenzene	12.38	146	3233	0.516	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	513	0.489	ug/l	92

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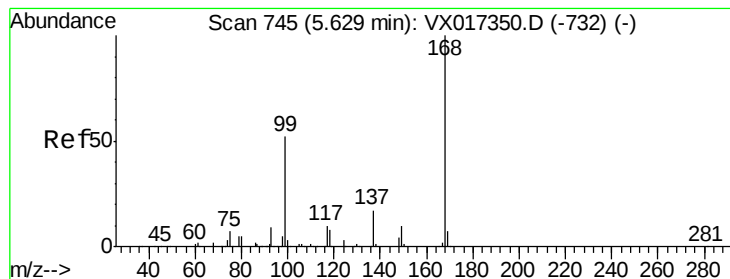
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2093	0.481	ug/l	94
94) Hexachlorobutadiene	13.77	225	1167	0.657	ug/l	84
95) Naphthalene	13.82	128	4490	0.351	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1891	0.450	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 289734

Ion Ratio Lower Upper

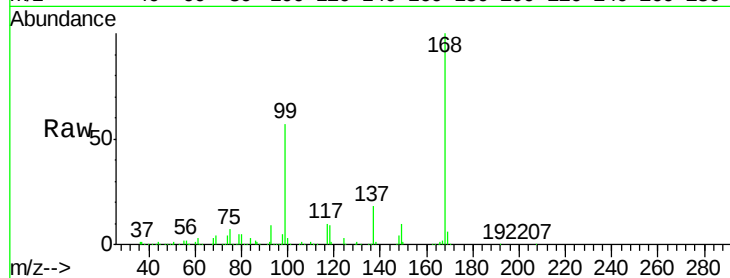
168 100

99 56.7 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

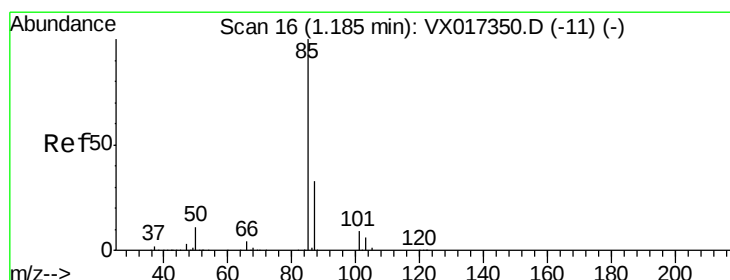
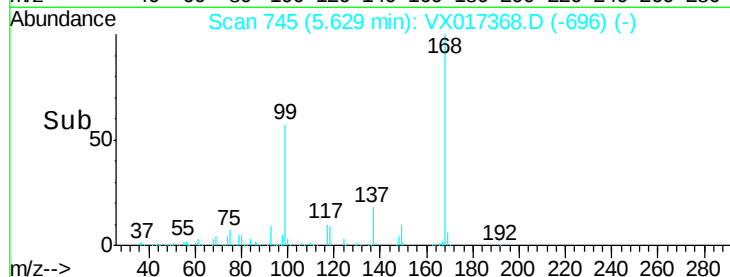
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.467 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017368.D

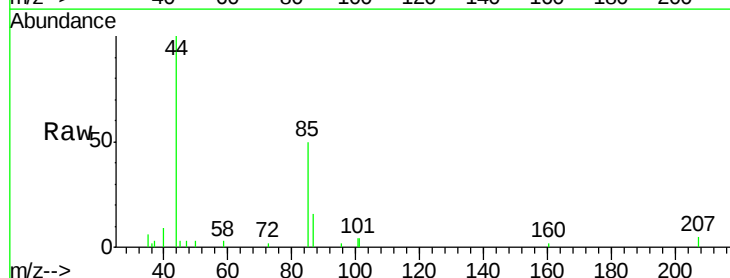
Acq: 14 Jul 2020 11:03

Tgt Ion: 85 Resp: 1144

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

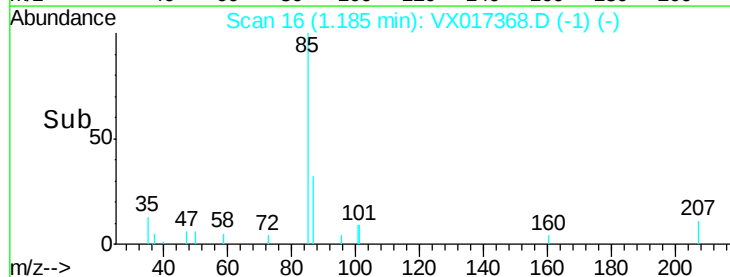
1500

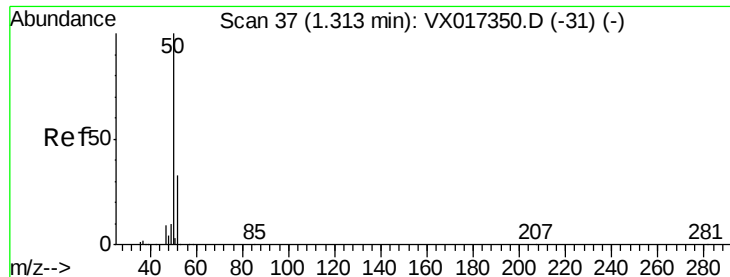
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.559 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 1543

Ion Ratio Lower Upper

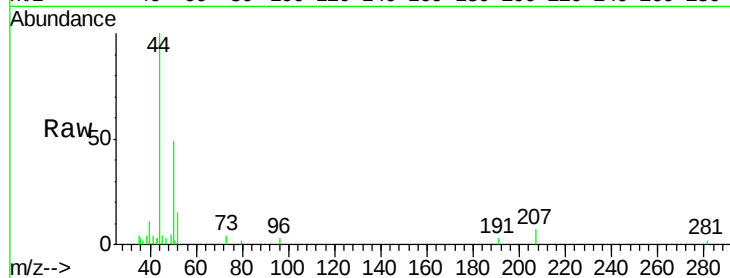
50 100

52 31.2 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

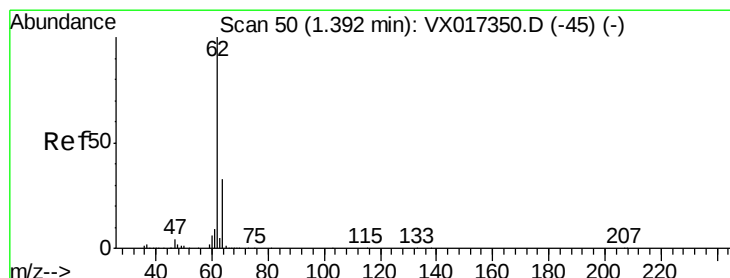
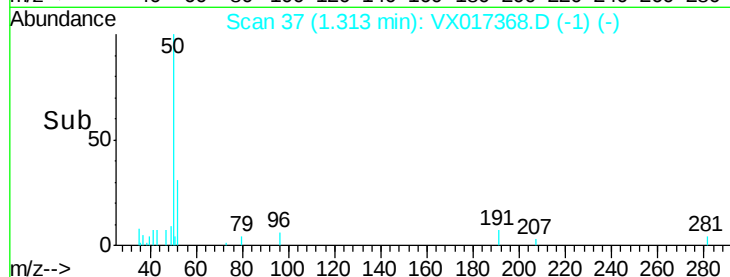
1500

1000

500

0

Time-->



#4

Vinyl Chloride

Concen: 0.451 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017368.D

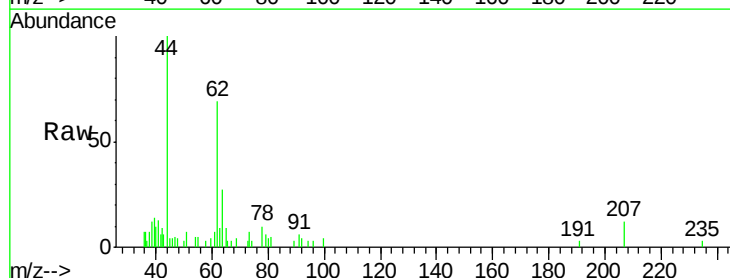
Acq: 14 Jul 2020 11:03

Tgt Ion: 62 Resp: 1231

Ion Ratio Lower Upper

62 100

64 38.7 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

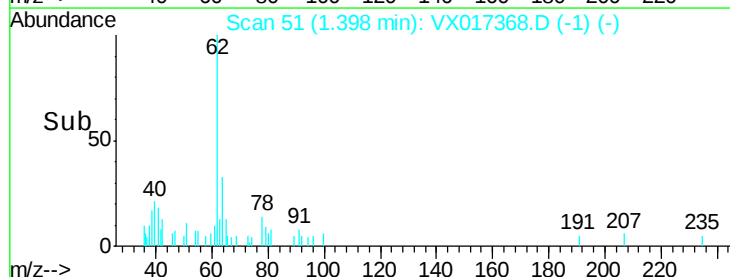
Ion 63.90 (63.60 to 64.60): VX0

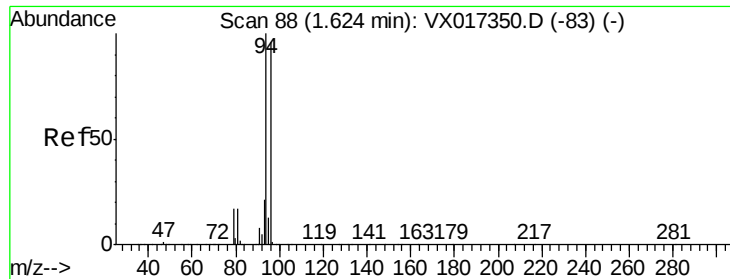
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.924 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 1643

Ion Ratio Lower Upper

94 100

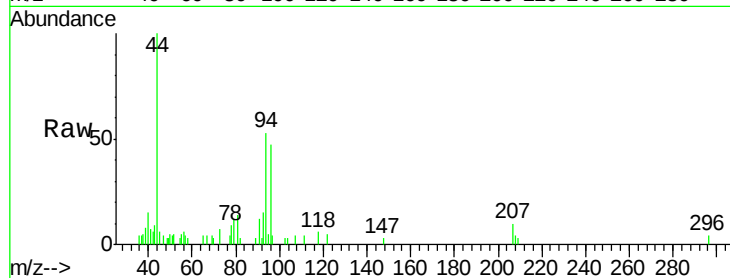
96 74.2 76.6 115.0#

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

600

400

200

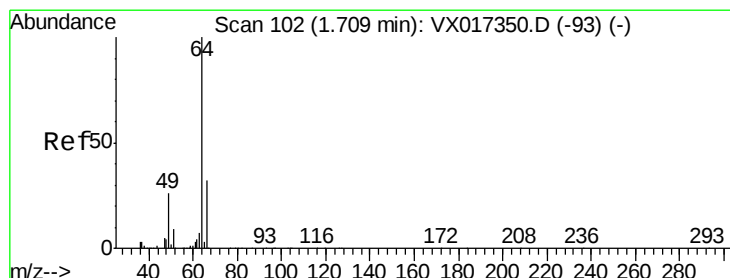
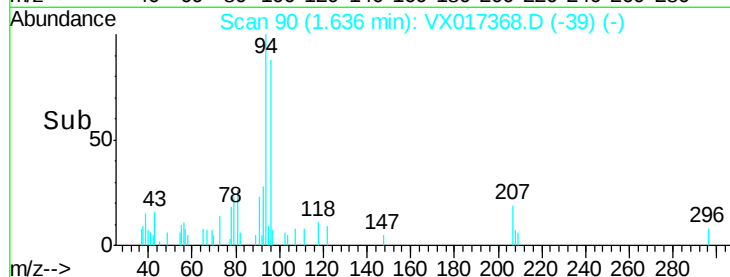
0

1.60

1.65

1.70

Time-->



#6

Chloroethane

Concen: 0.616 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017368.D

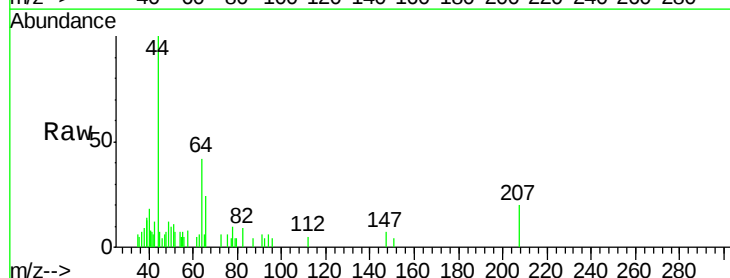
Acq: 14 Jul 2020 11:03

Tgt Ion: 64 Resp: 1061

Ion Ratio Lower Upper

64 100

66 44.2 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

600

400

200

0

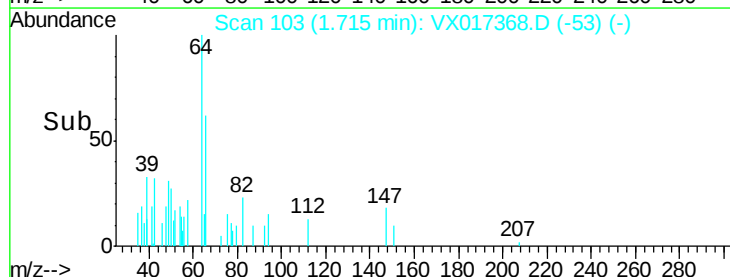
1.65

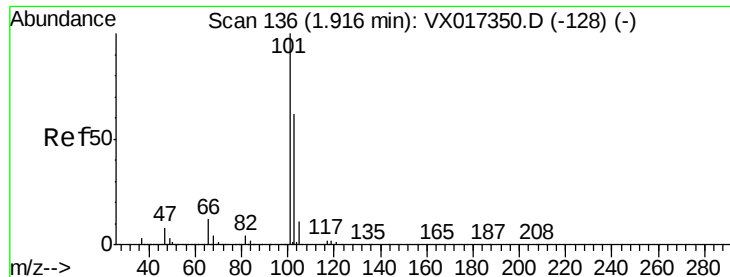
1.70

1.75

1.80

Time-->





#7

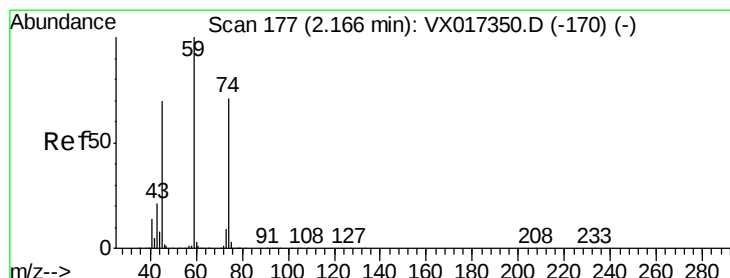
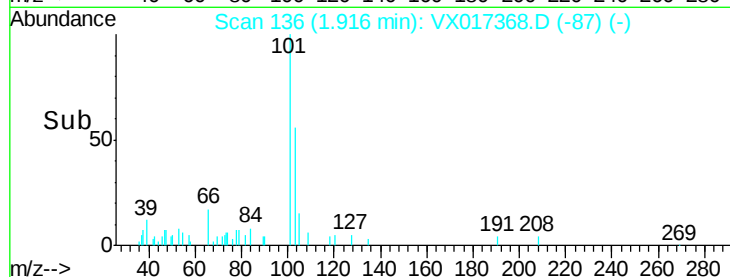
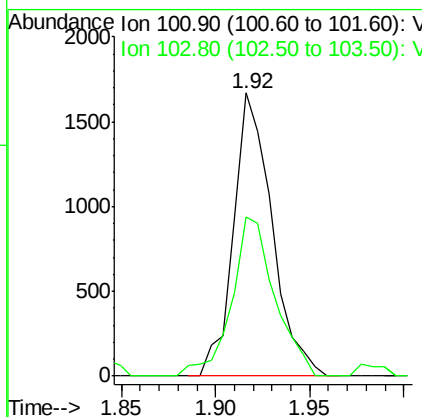
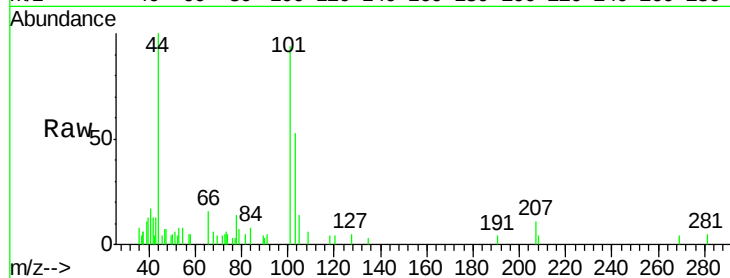
Trichlorofluoromethane
Concen: 0.513 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
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ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.1	49.6	74.4

Manual Integrations
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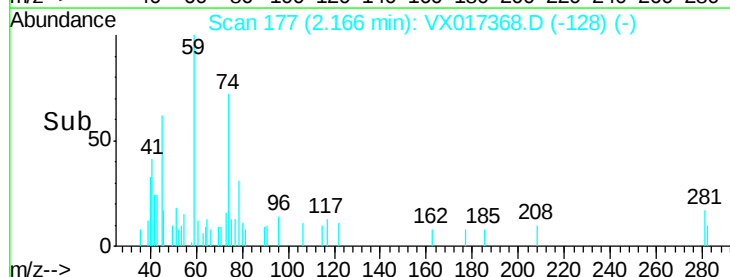
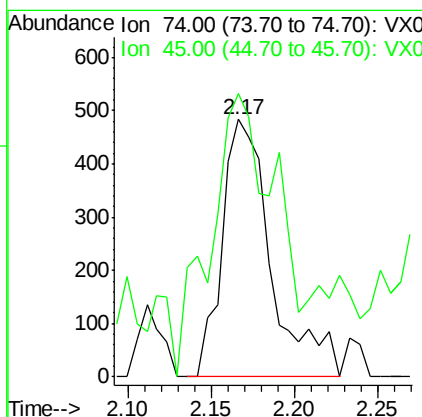
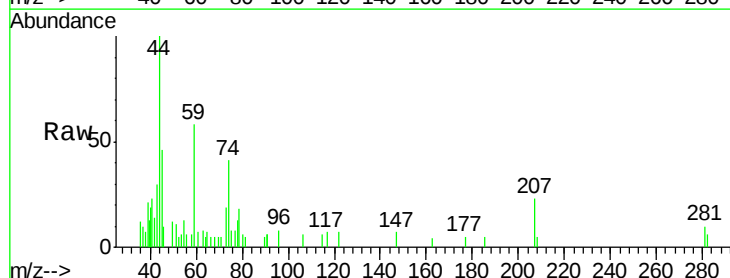
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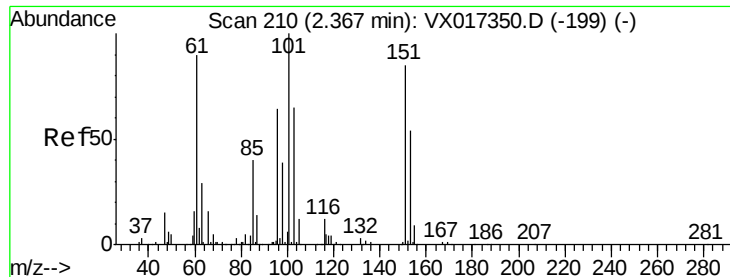


#8

Diethyl Ether
Concen: 0.604 ug/l m
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	12.8	47.2	141.6#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.533 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

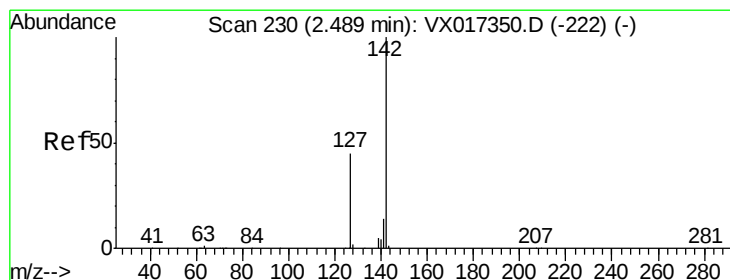
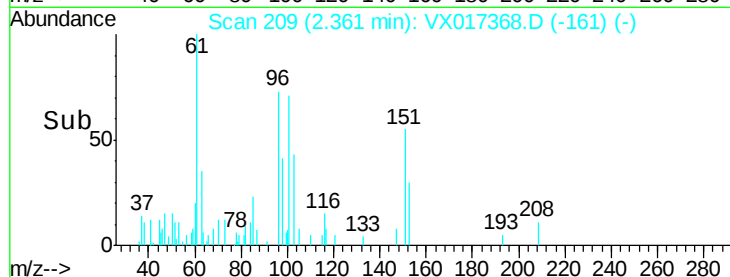
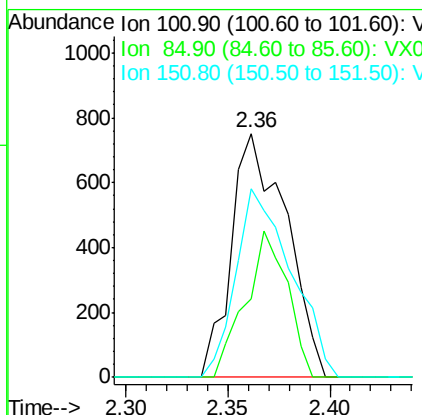
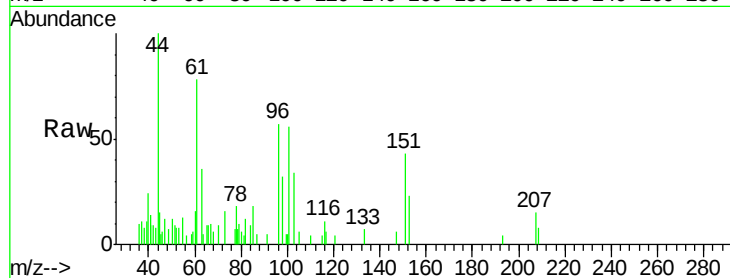
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	101	Resp:	1399
Ion Ratio	Lower	Upper	
101	100		
85	45.9	33.7	50.5
151	78.5	66.4	99.6

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#10

Methyl Iodide

Concen: 0.434 ug/l

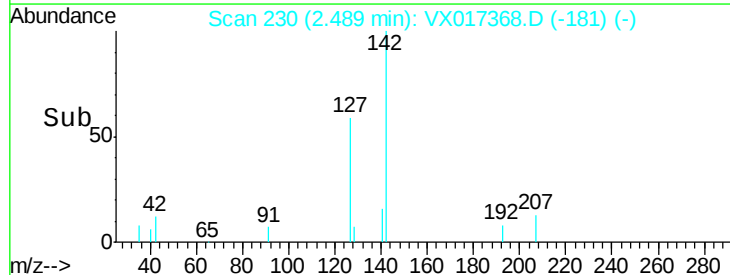
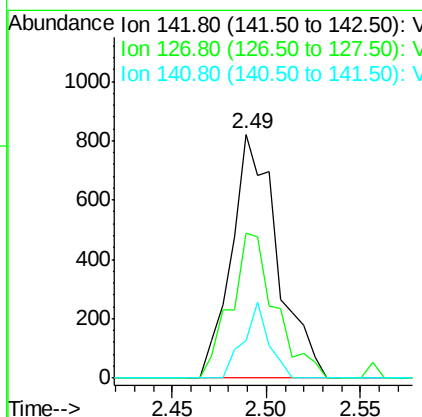
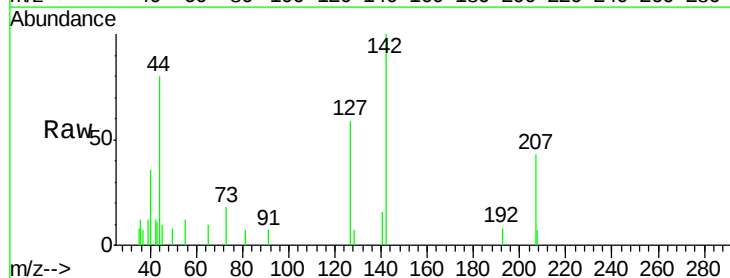
RT: 2.49 min Scan# 230

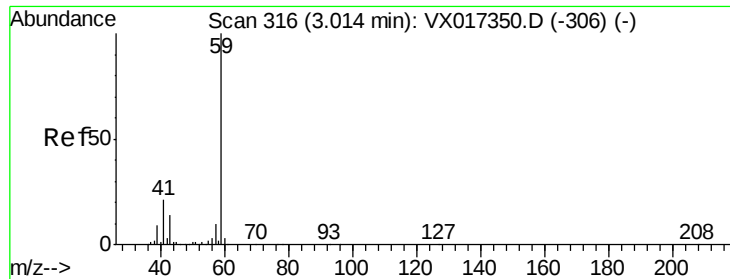
Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion:	142	Resp:	1381
Ion Ratio	Lower	Upper	
142	100		
127	57.8	36.8	55.2#
141	17.1	11.4	17.0#





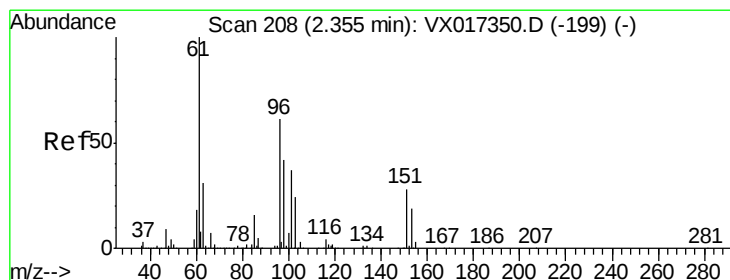
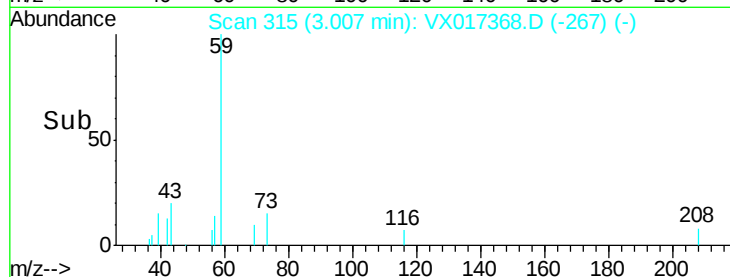
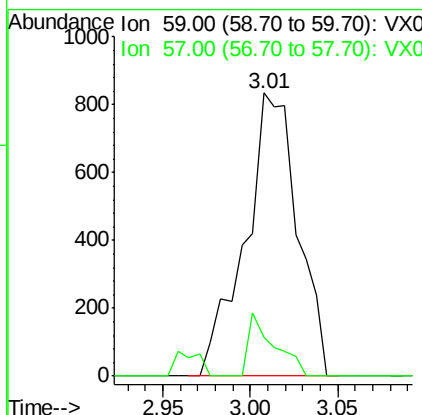
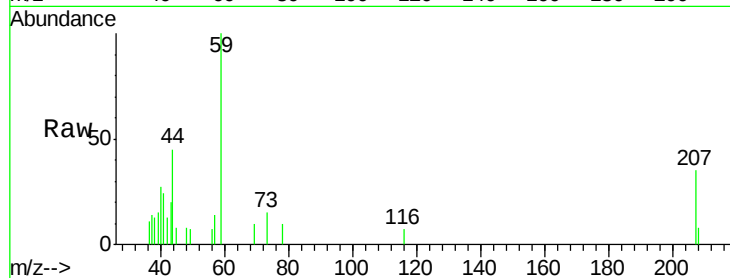
#11
Tert butyl alcohol
Concen: 2.855 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 59 Resp: 1749
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5

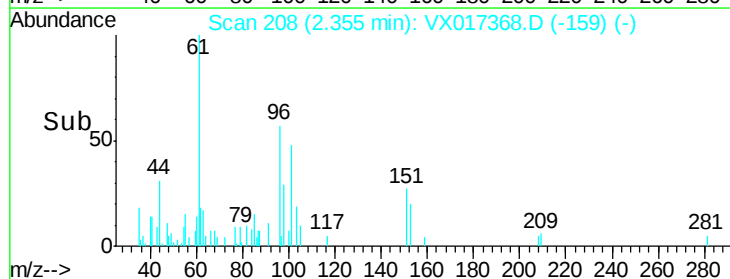
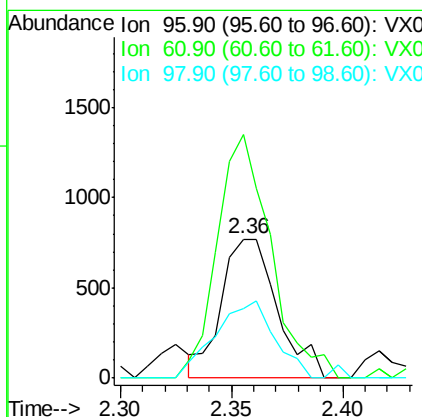
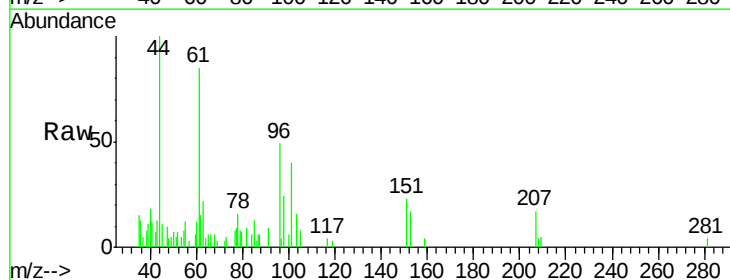
Manual Integrations
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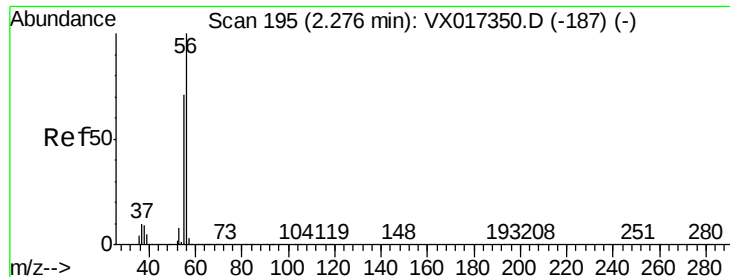
MMDadoda
7/15/2020 11:43:40 AM



#12
1,1-Dichloroethene
Concen: 0.511 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 96 Resp: 1348
Ion Ratio Lower Upper
96 100
61 192.4 131.5 197.3
98 44.2 55.1 82.7#





#13

Acrolein

Concen: 3.058 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 1027

Ion Ratio Lower Upper

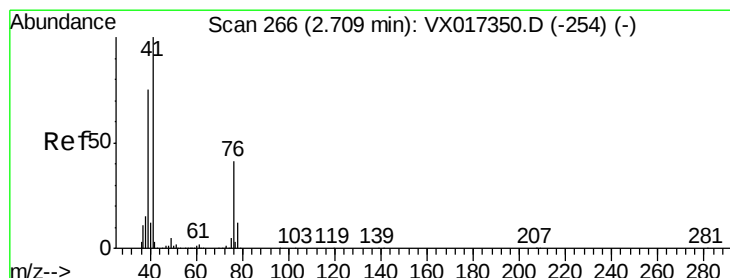
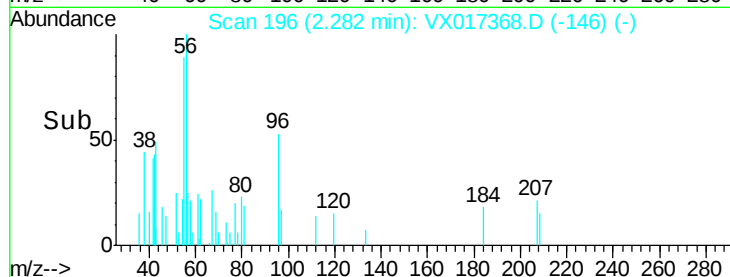
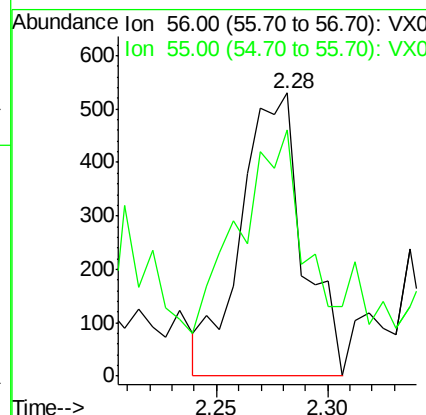
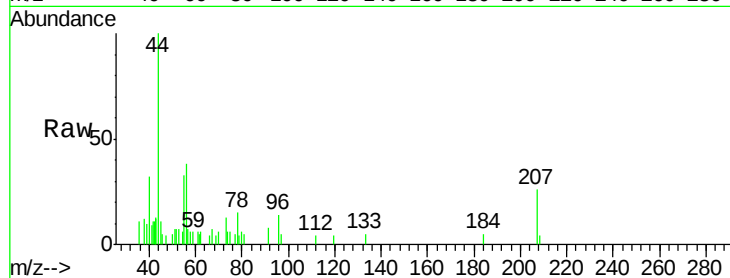
56 100

55 103.5 57.1 85.7#

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#14

Allyl chloride

Concen: 0.540 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

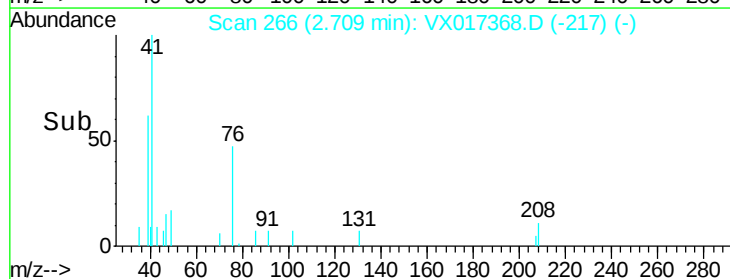
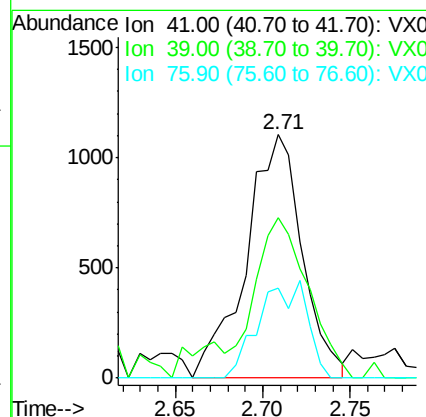
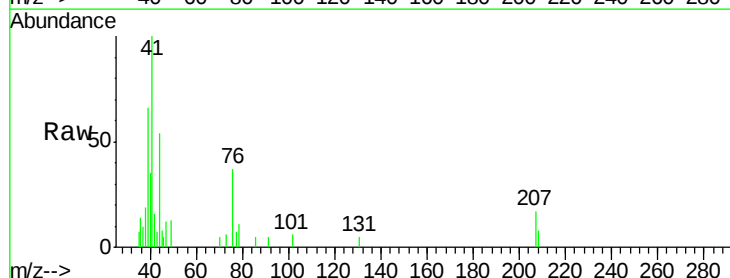
Tgt Ion: 41 Resp: 2465

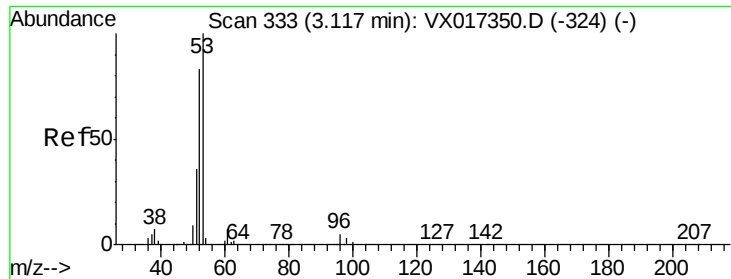
Ion Ratio Lower Upper

41 100

39 62.4 53.0 79.4

76 34.2 28.2 42.2





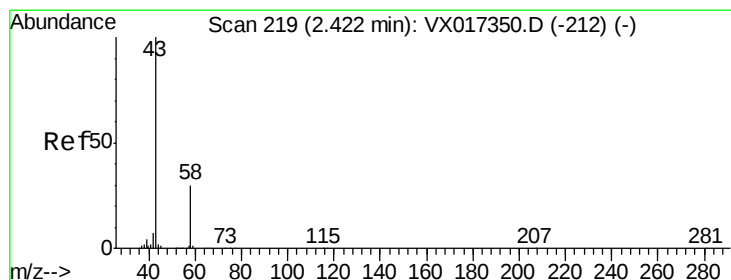
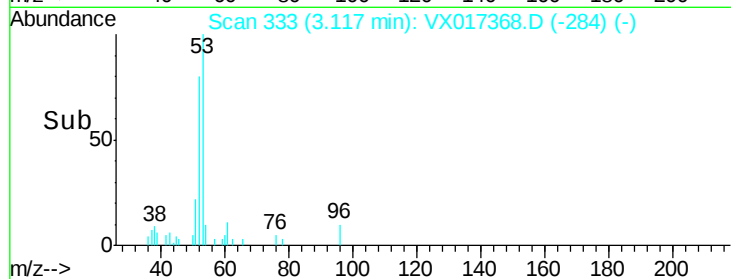
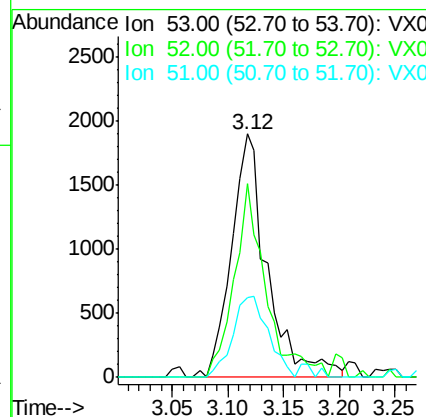
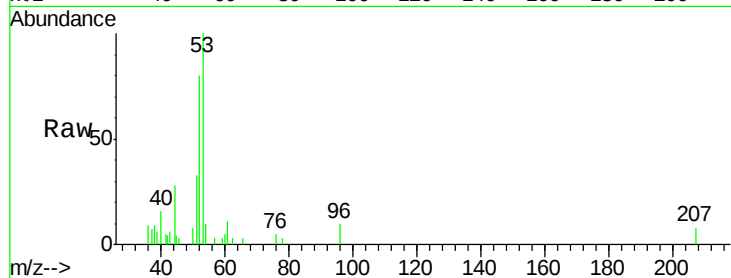
#15
 Acrylonitrile
 Concen: 2.839 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion:	53	Resp:	4216
Ion	Ratio	Lower	Upper
53	100		
52	70.3	65.8	98.6
51	32.9	29.2	43.8

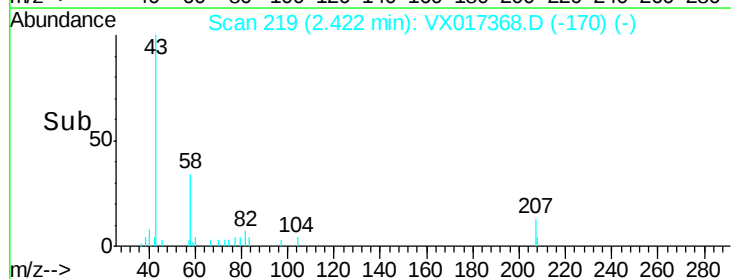
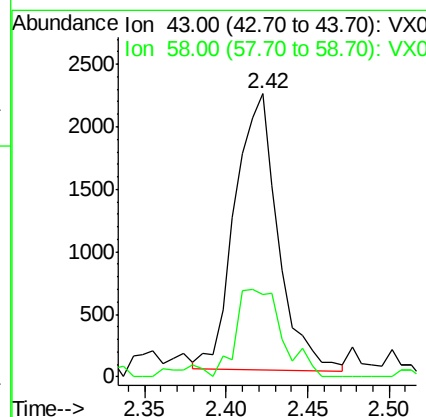
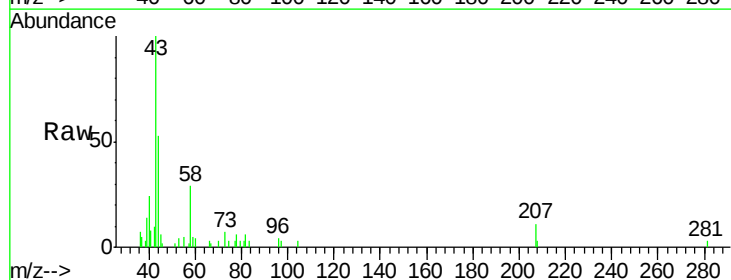
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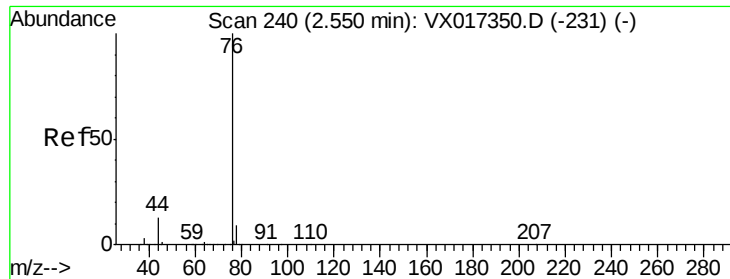
MMDadoda
 7/15/2020 11:43:40 AM



#16
 Acetone
 Concen: 3.130 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion:	43	Resp:	4060
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.2	36.2





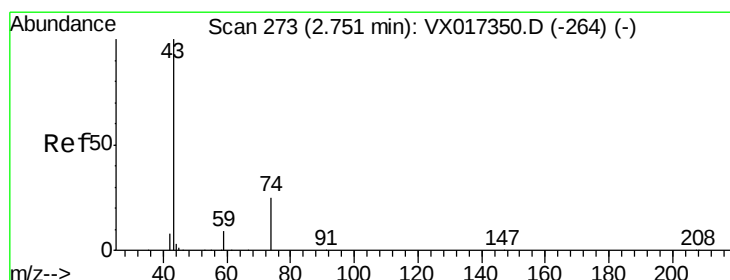
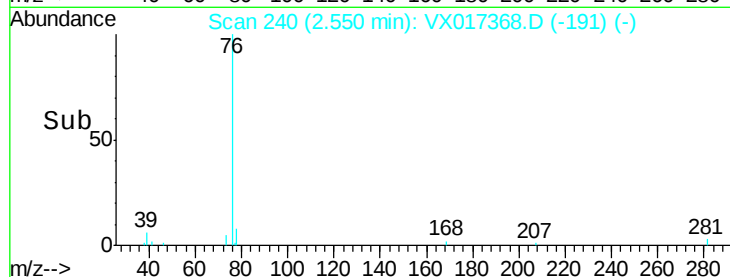
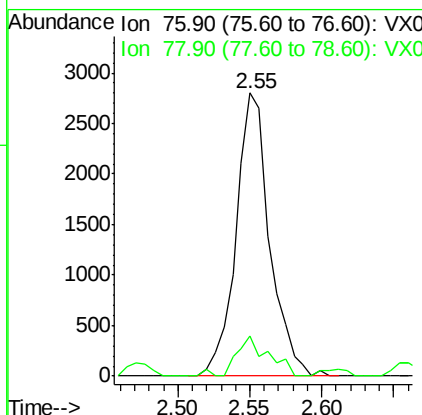
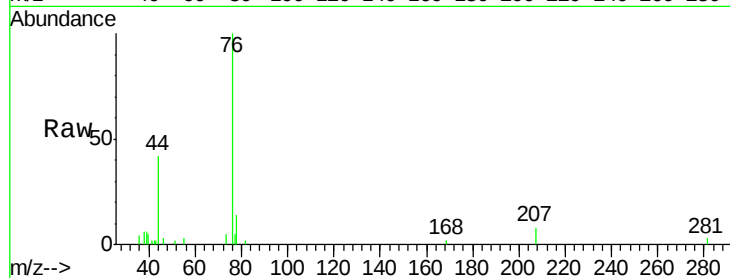
#17
Carbon Disulfide
Concen: 0.591 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	14.4	7.3	10.9#

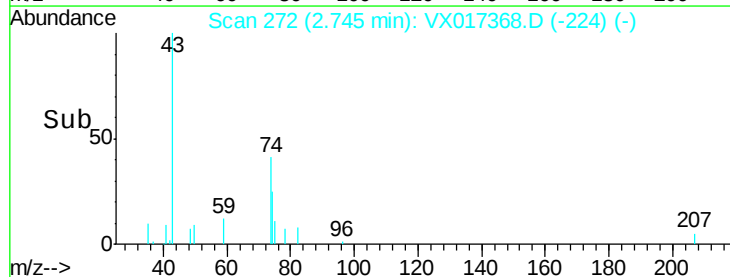
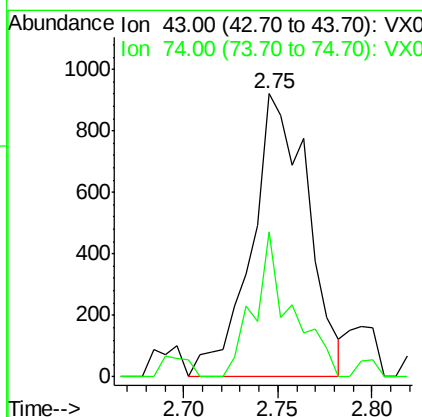
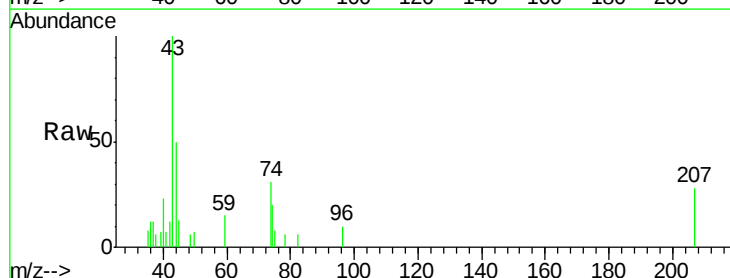
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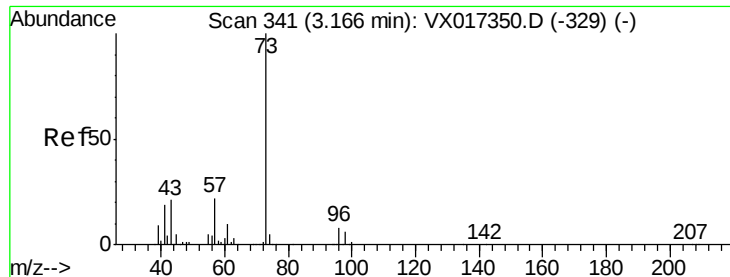
MMDadoda
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#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.8	19.4	29.2#





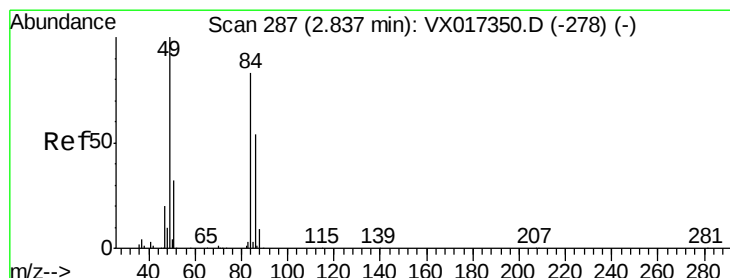
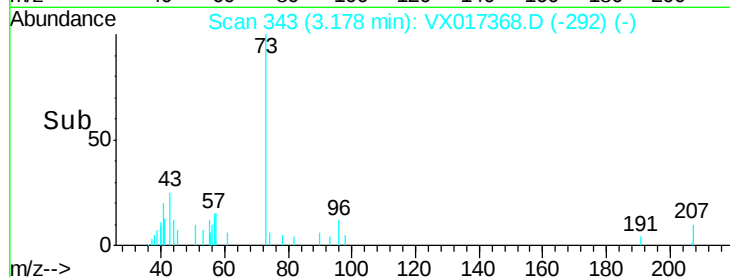
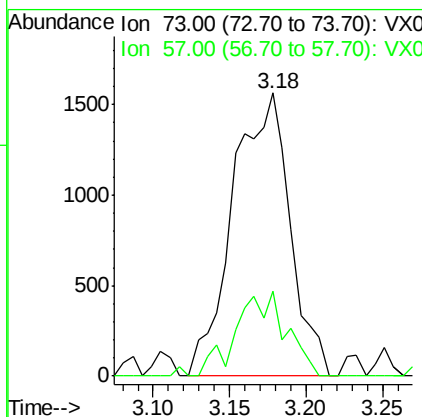
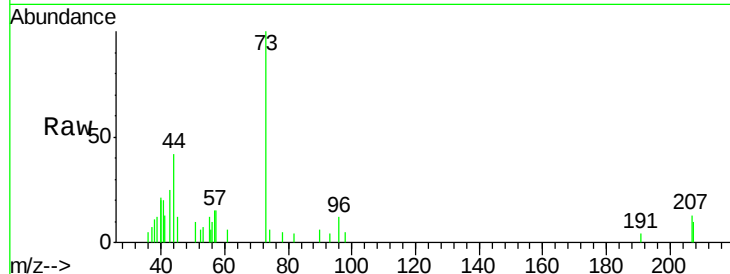
#19
Methvl tert-butvl Ether
Concen: 0.455 ug/l
RT: 3.18 min Scan# 343
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 73 Resp: 4071
Ion Ratio Lower Upper
73 100
57 29.8 17.5 26.3#

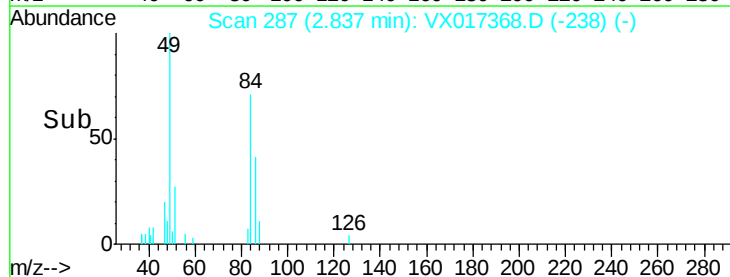
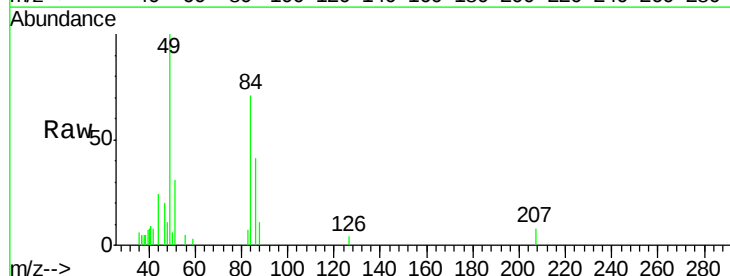
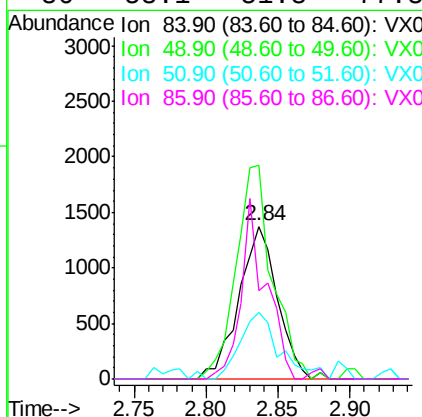
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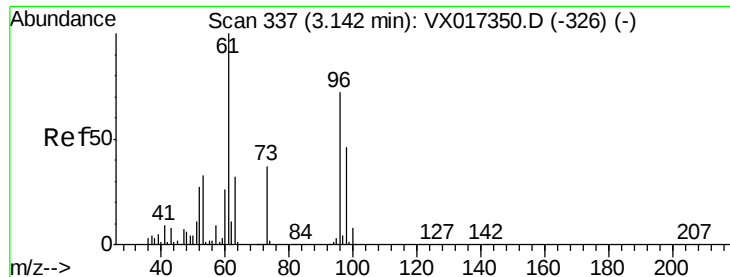
MMDadoda
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#20
Methylene Chloride
Concen: 0.806 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 84 Resp: 2551
Ion Ratio Lower Upper
84 100
49 140.2 95.8 143.8
51 44.1 31.0 46.4
86 58.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 0.569 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

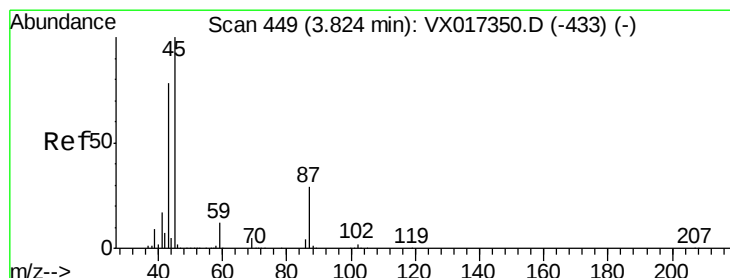
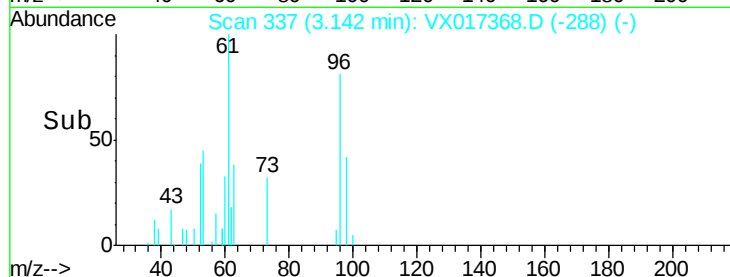
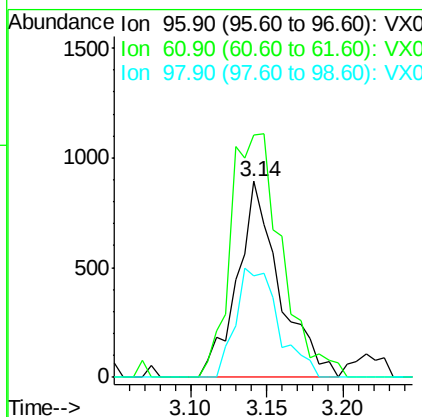
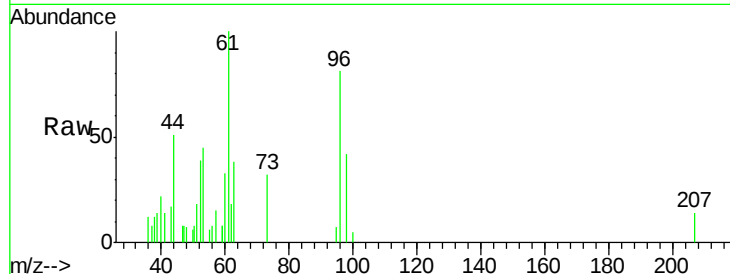
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	96	Resp:	1717
Ion	Ratio	Lower	Upper
96	100		
61	123.5	111.1	166.7
98	51.5	51.4	77.0

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#22

Diisopropyl ether

Concen: 0.454 ug/l

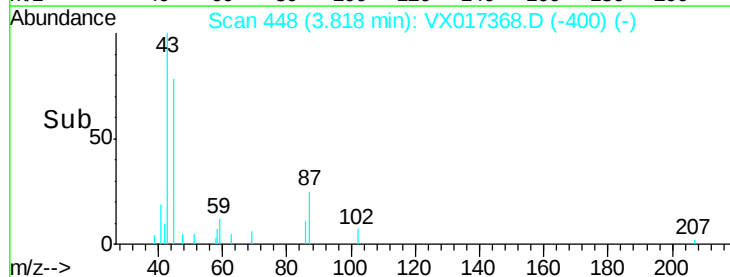
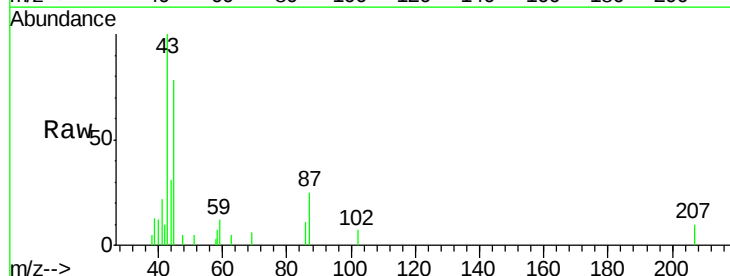
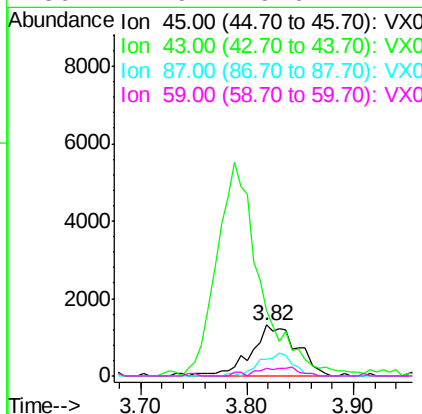
RT: 3.82 min Scan# 448

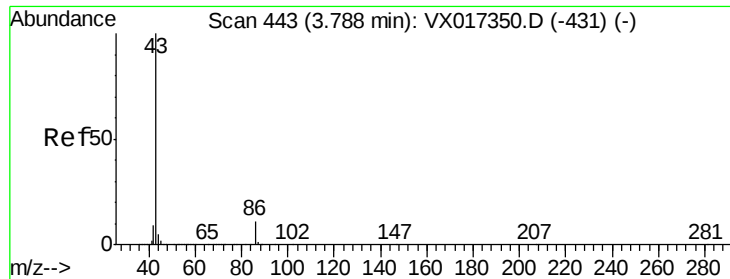
Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion:	45	Resp:	3953
Ion	Ratio	Lower	Upper
45	100		
43	118.6	62.2	93.2#
87	32.2	23.0	34.6
59	14.9	9.6	14.4#





#23

Vinyl Acetate

Concen: 2.064 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 15795

Ion Ratio Lower Upper

43 100

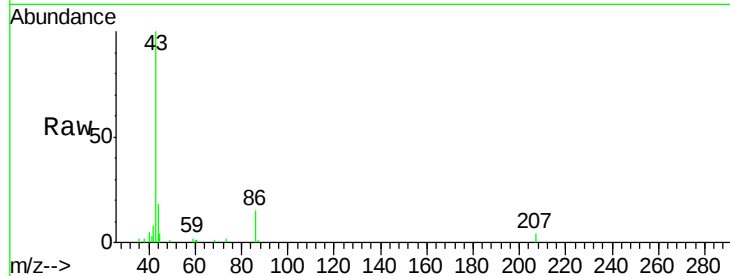
86 14.8 9.0 13.4#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

6000

5000

4000

3000

2000

1000

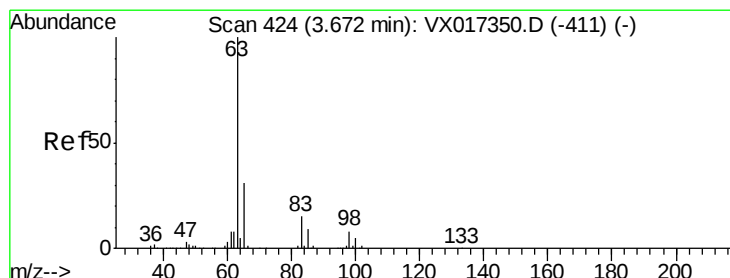
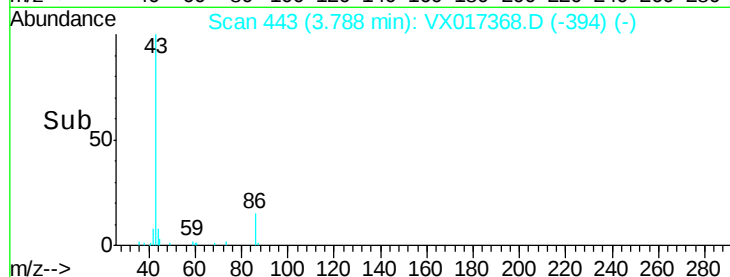
0

Time-->

3.70

3.80

3.90



#24

1,1-Dichloroethane

Concen: 0.504 ug/l

RT: 3.68 min Scan# 426

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

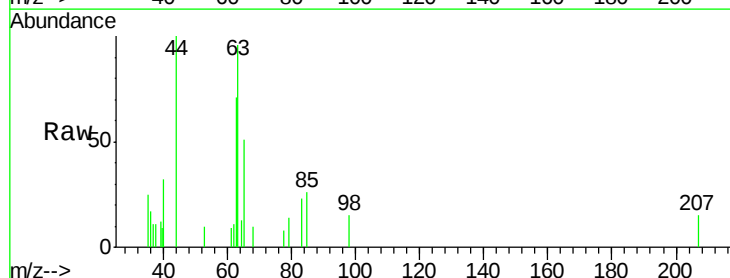
Tgt Ion: 63 Resp: 2577

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.5

100 0.0 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

1000

500

0

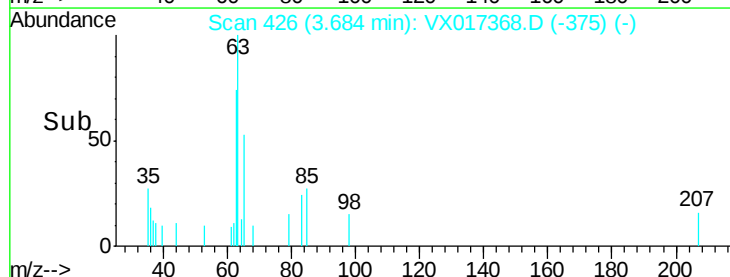
Time-->

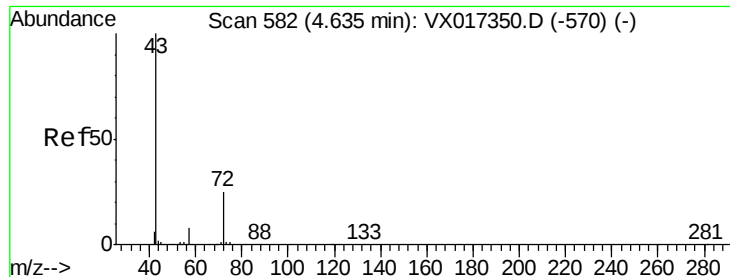
3.60

3.65

3.70

3.75





#25

2-Butanone

Concen: 2.521 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 5195

Ion Ratio Lower Upper

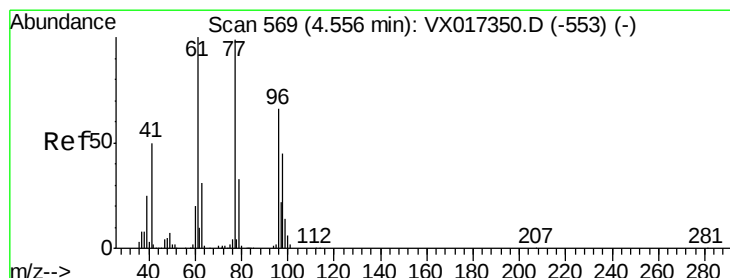
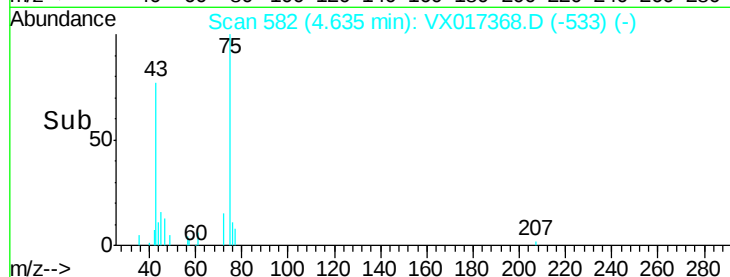
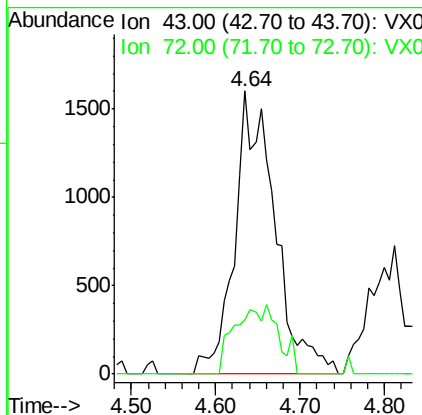
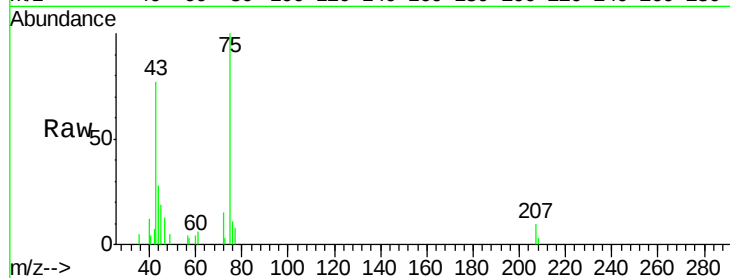
43 100

72 19.4 20.4 30.6#

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 0.594 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX017368.D

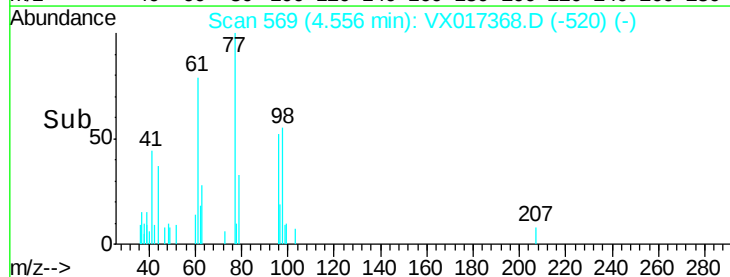
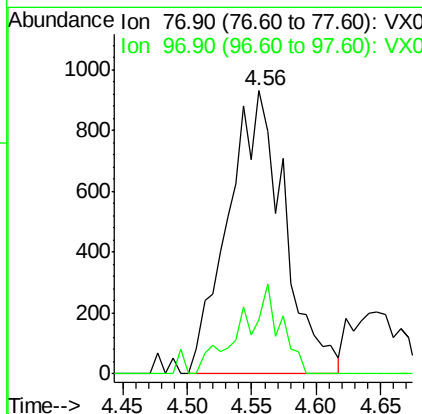
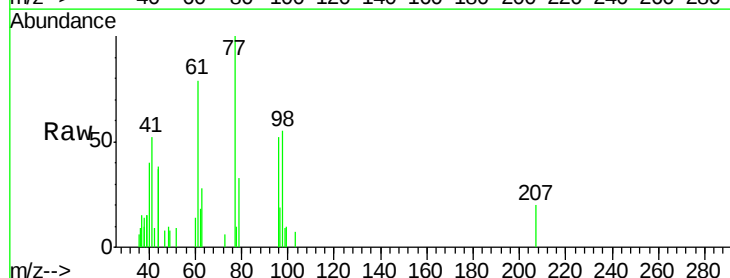
Acq: 14 Jul 2020 11:03

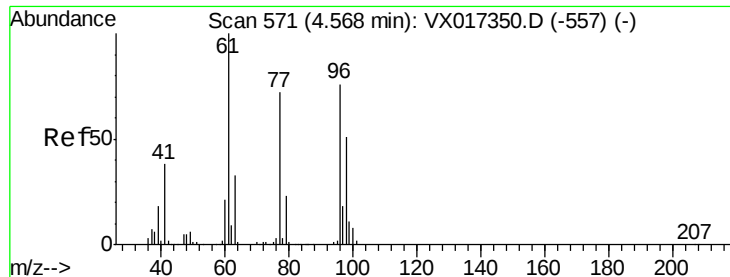
Tgt Ion: 77 Resp: 2826

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3





#27

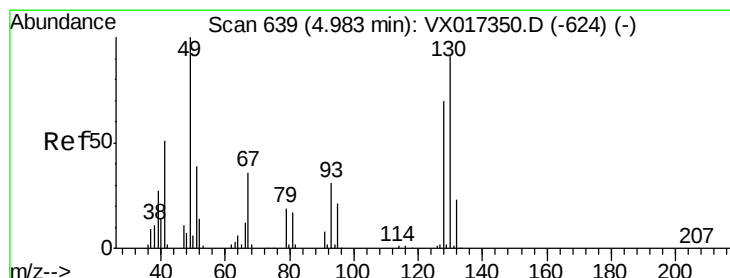
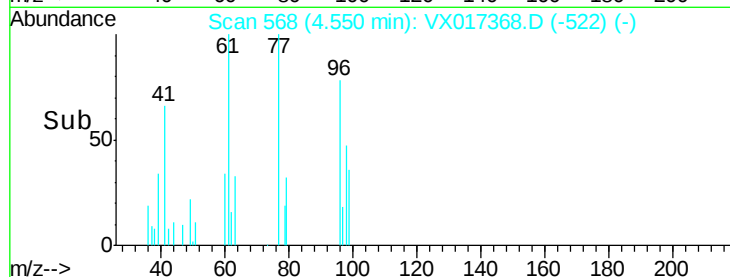
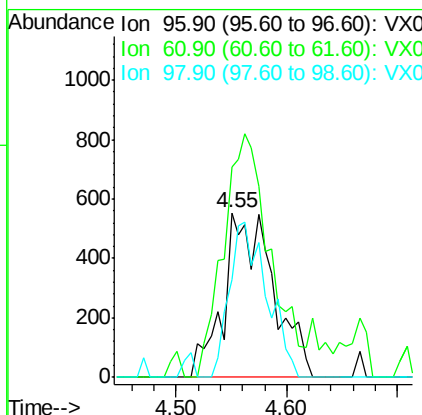
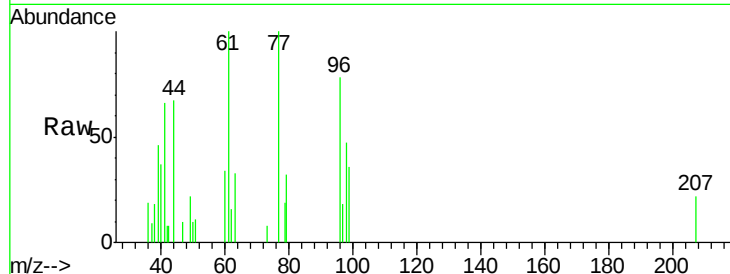
cis-1,2-Dichloroethene
Concen: 0.520 ug/l m
RT: 4.55 min Scan# 568
Delta R.T. -0.02 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	0.0	281.2
98	71.7	0.0	131.4

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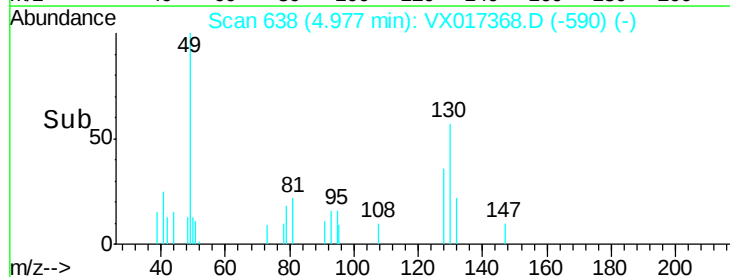
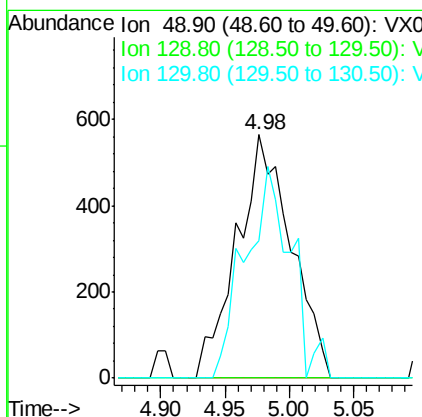
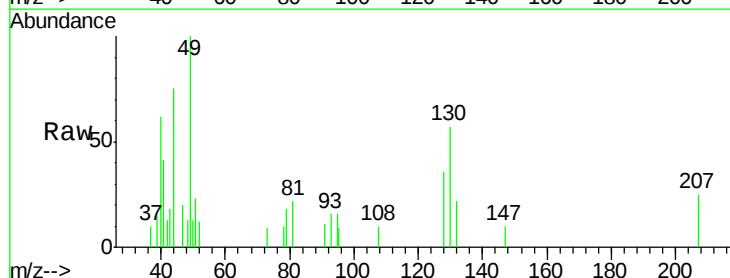
MMDadoda
7/15/2020 11:43:40 AM

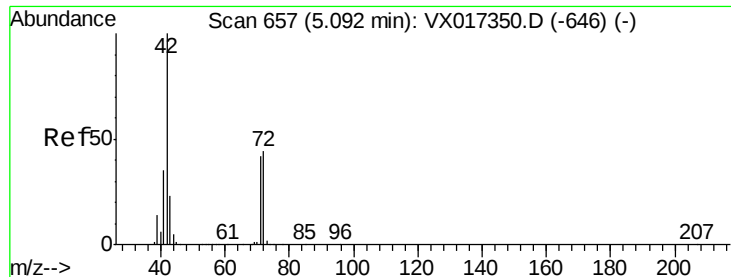


#28

Bromochloromethane
Concen: 0.697 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	71.6	71.1	106.7





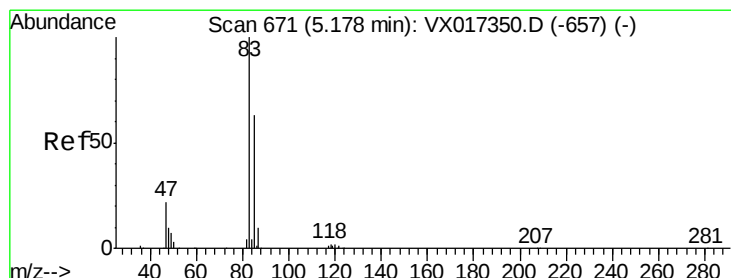
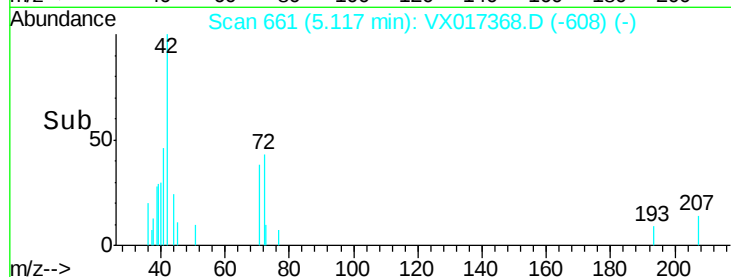
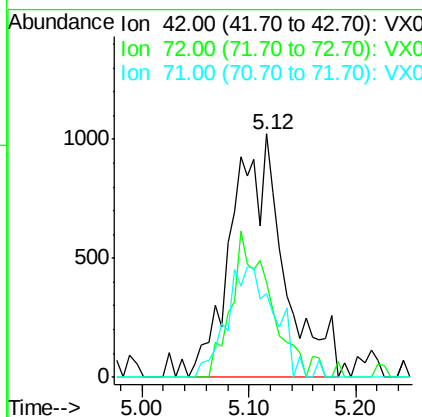
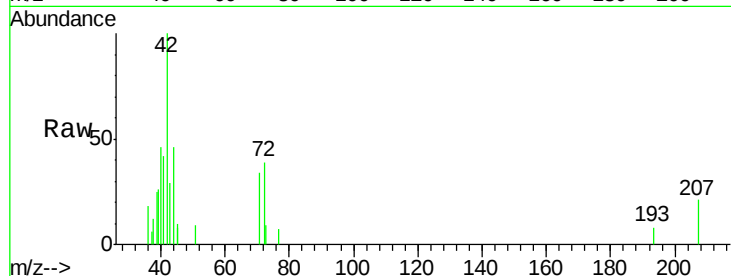
#29
Tetrahydrofuran
Concen: 2.620 ug/l m
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	37.2	55.8
71	41.5	34.4	51.6

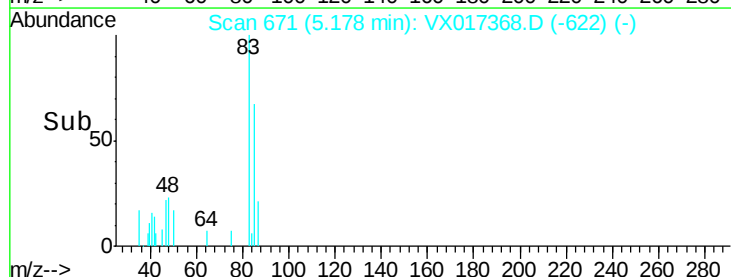
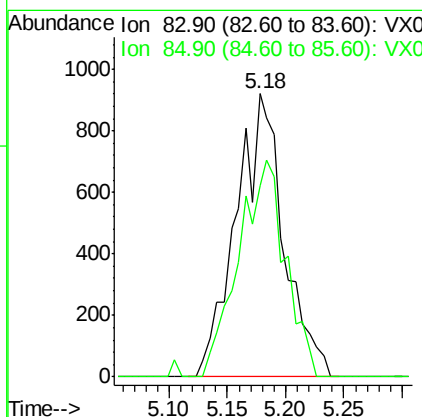
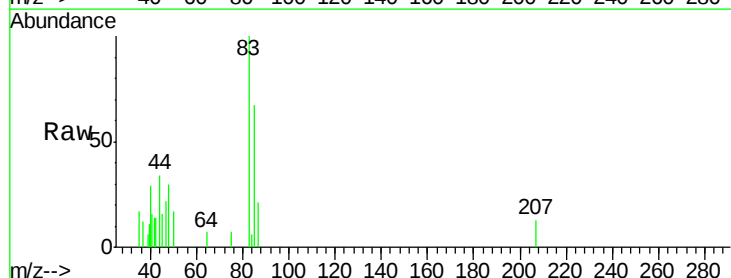
Manual Integrations
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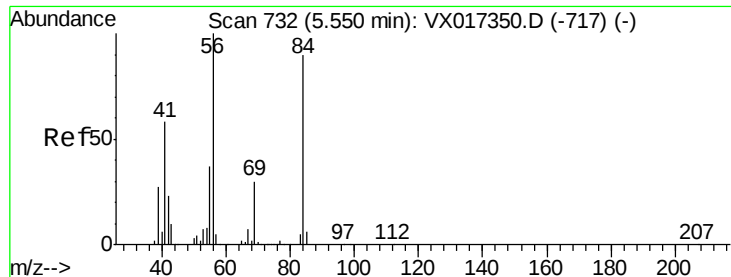
MMDadoda
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#30
Chloroform
Concen: 0.476 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	50.2	75.4





#31

Cyclohexane

Concen: 0.438 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

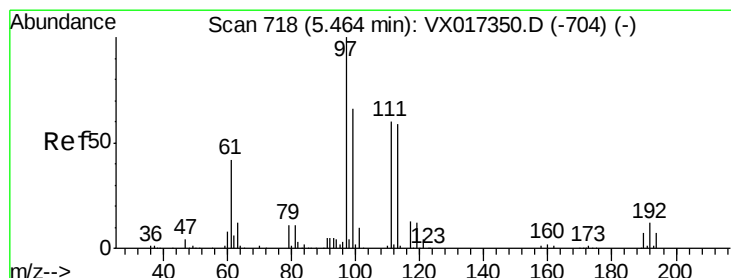
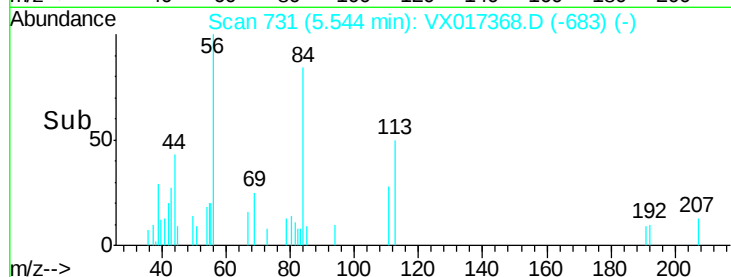
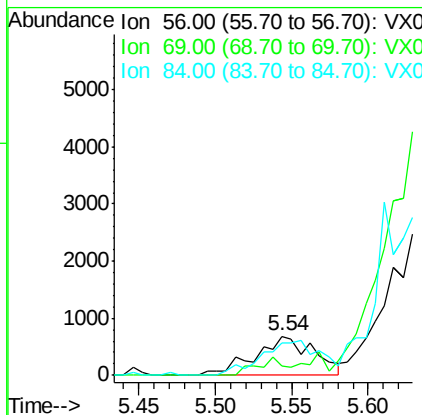
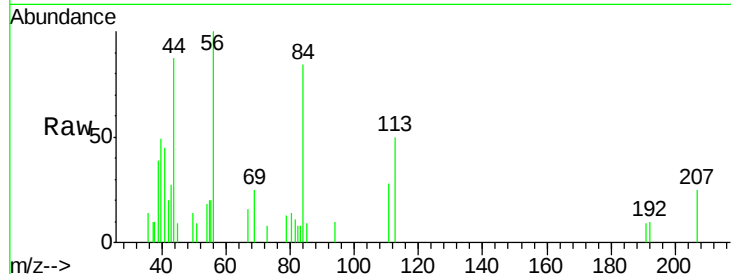
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	56	Resp:	1834
Ion	Ratio	Lower	Upper
56	100		
69	24.6	23.7	35.5
84	83.5	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 0.511 ug/l

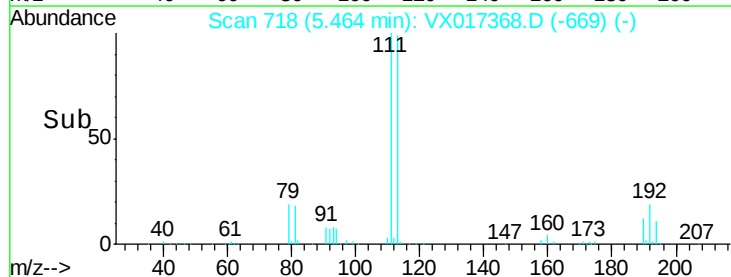
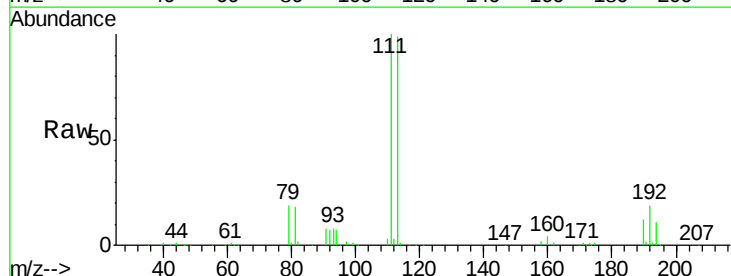
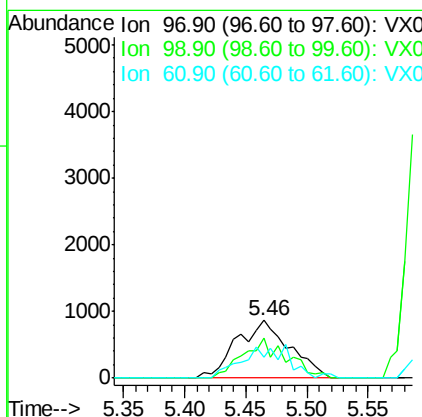
RT: 5.46 min Scan# 718

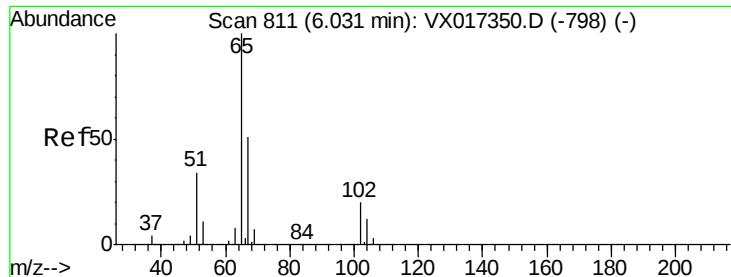
Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion:	97	Resp:	2597
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	25.0	32.7	49.1#





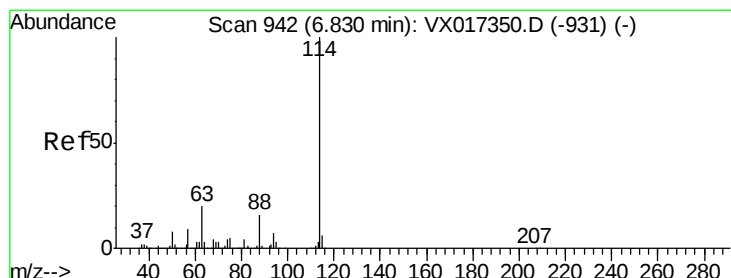
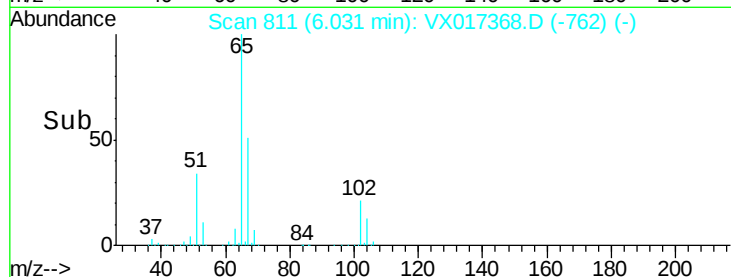
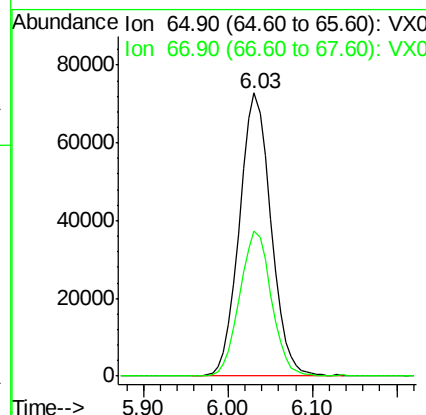
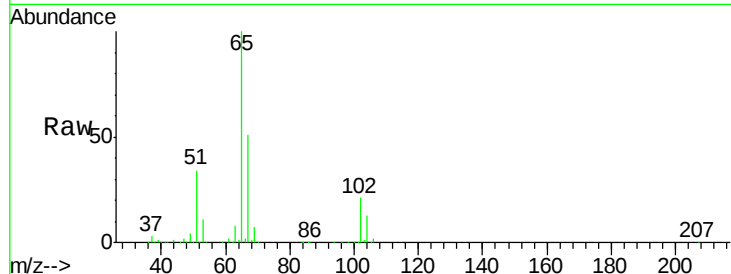
#33
 1,2-Dichloroethane-d4
 Concen: 50.753 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	101.6	

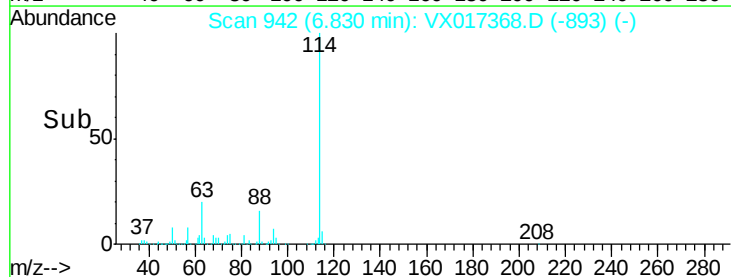
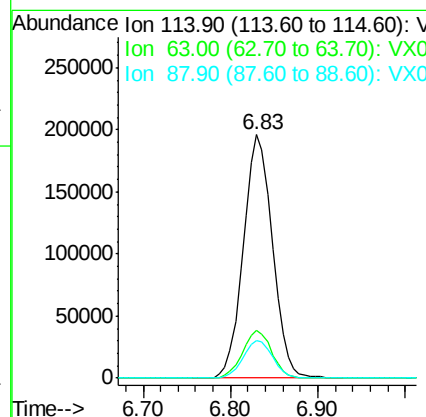
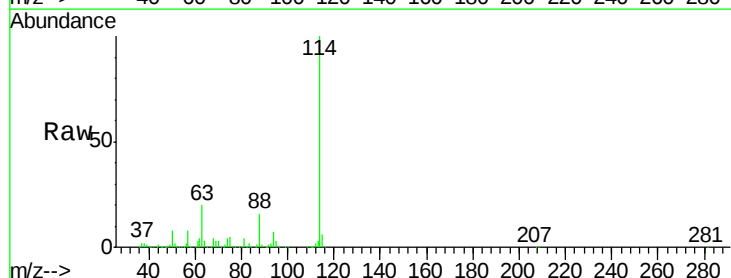
Manual Integrations
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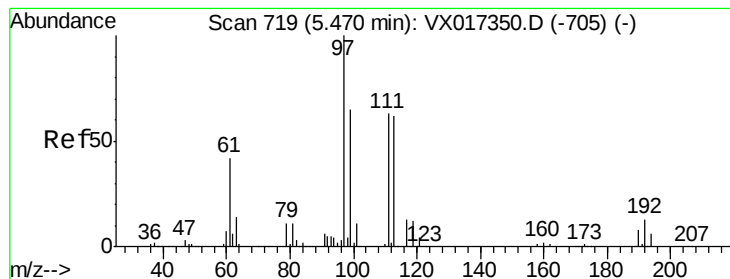
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 7/15/2020 11:43:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	40.0	
88	15.6	0.0	32.8	





#35

Dibromofluoromethane

Concen: 48.718 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

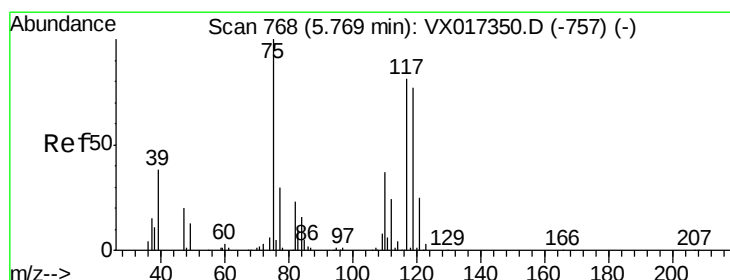
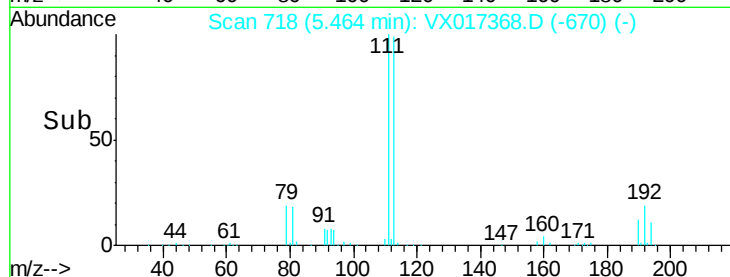
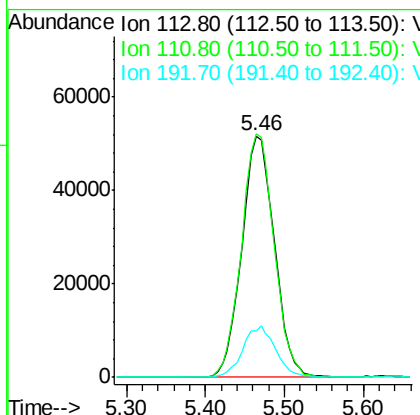
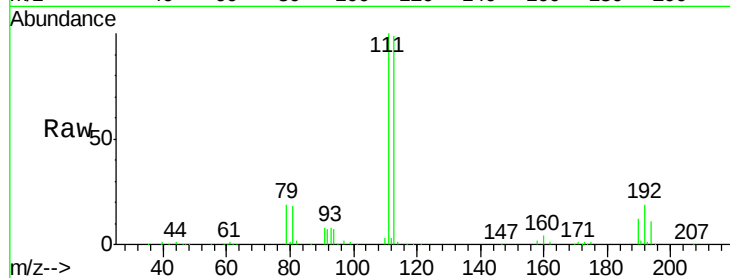
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148796		
111	101.4	82.4	123.6	
192	21.3	17.2	25.8	

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#36

1,1-Dichloropropene

Concen: 0.516 ug/l

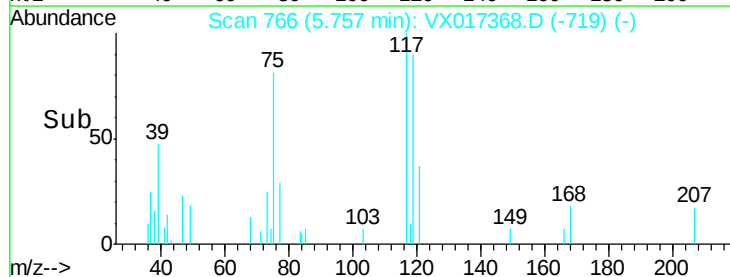
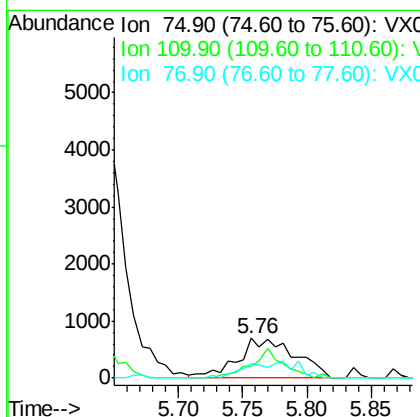
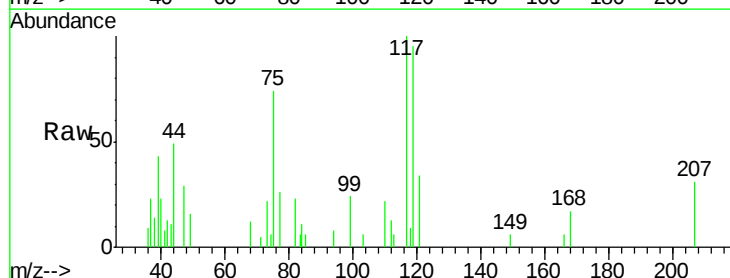
RT: 5.76 min Scan# 766

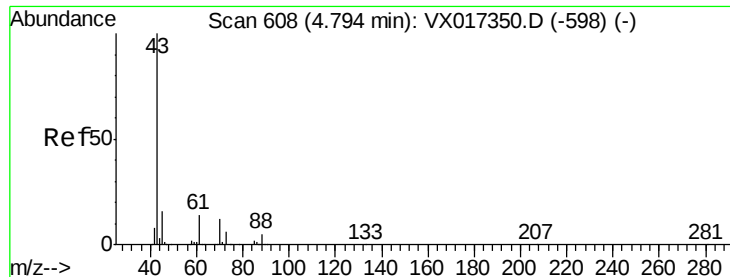
Delta R.T. -0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2153		
110	42.6	18.6	55.8	
77	0.0	24.9	37.3	





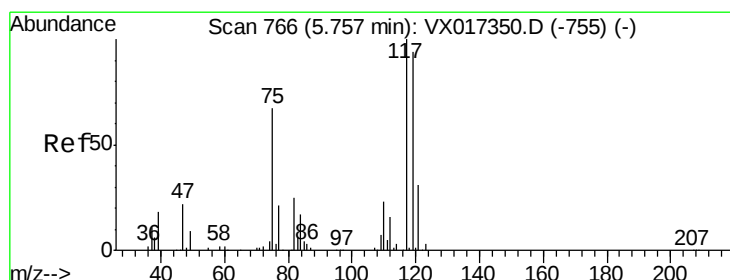
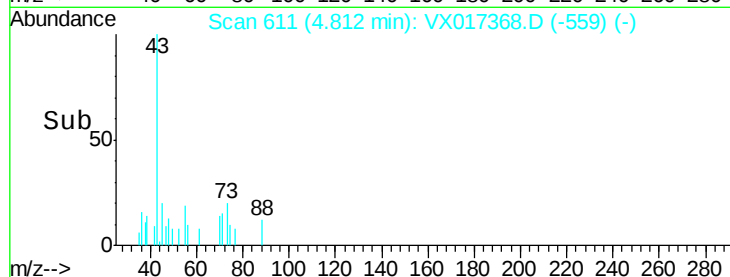
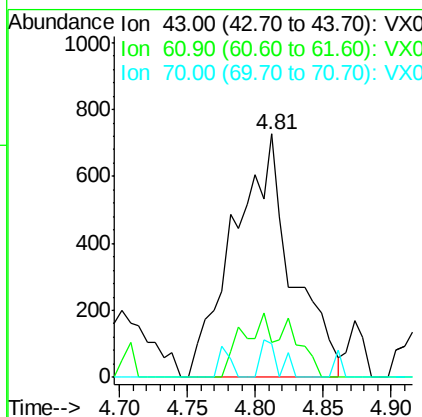
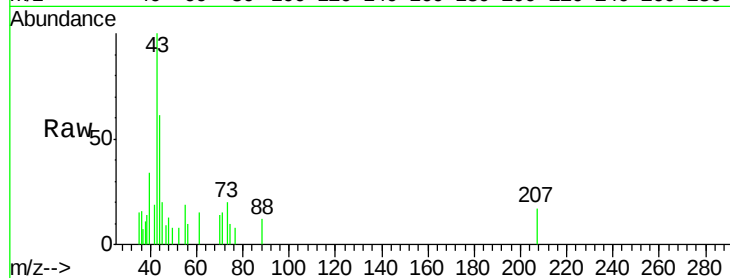
#37
Ethyl Acetate
Concen: 0.502 ug/l
RT: 4.81 min Scan# 611
Delta R.T. 0.02 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.7	16.1
70	4.8	9.0	13.6

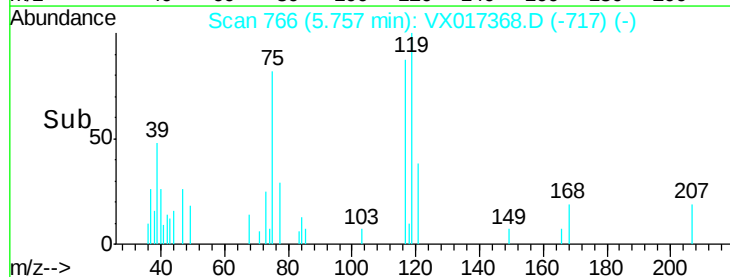
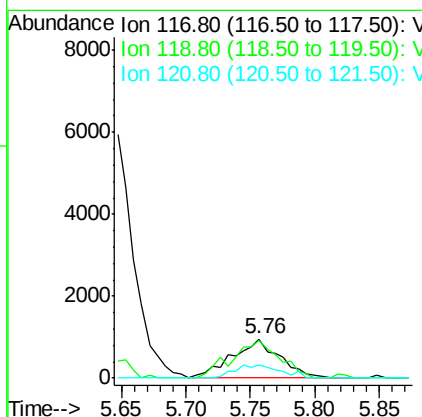
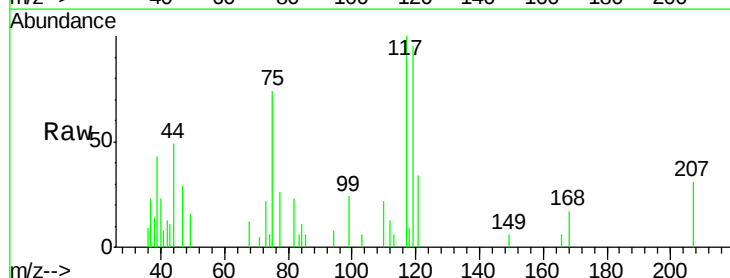
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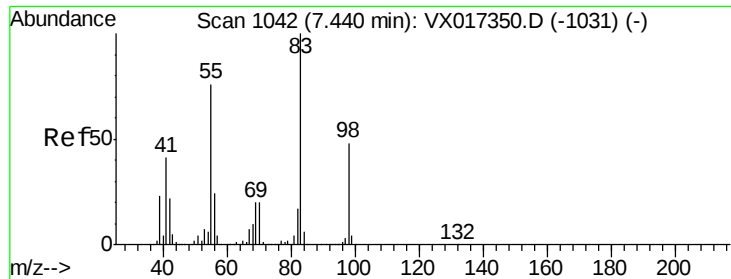
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#38
Carbon Tetrachloride
Concen: 0.500 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.7	112.1
121	33.6	24.5	36.7





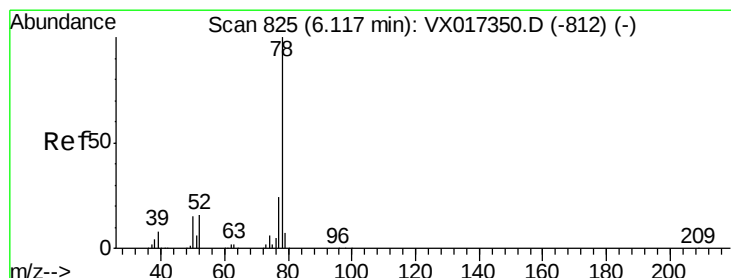
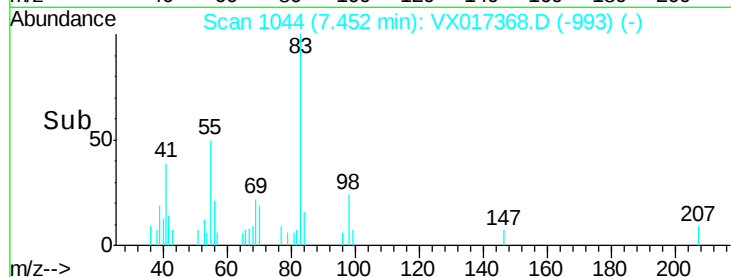
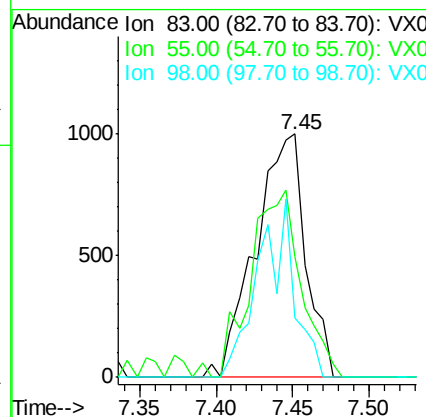
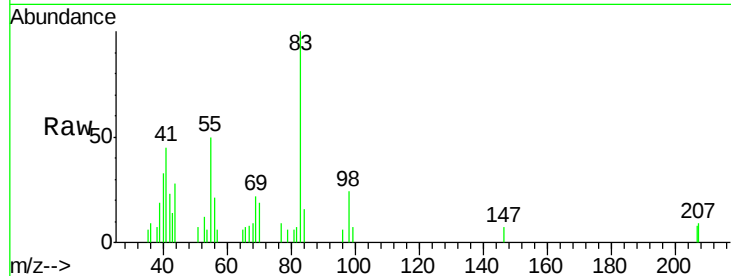
#39
Methvlcvclohexane
Concen: 0.503 ug/l
RT: 7.45 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	49.6	61.2	91.8#
98	24.3	38.1	57.1#

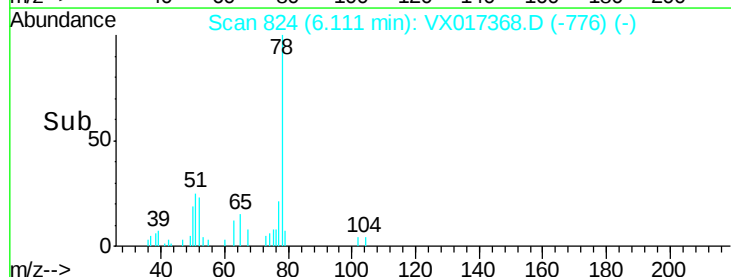
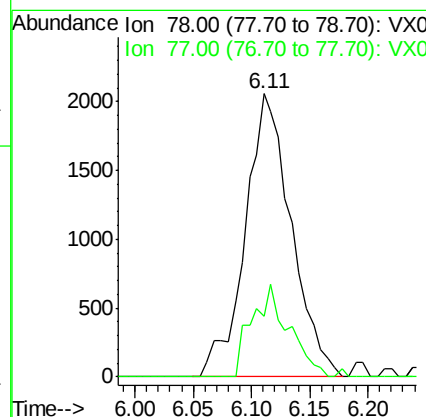
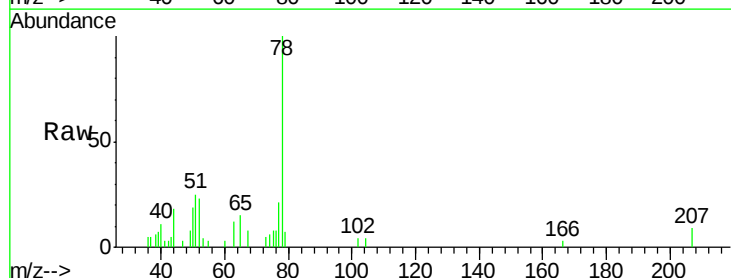
Manual Integrations
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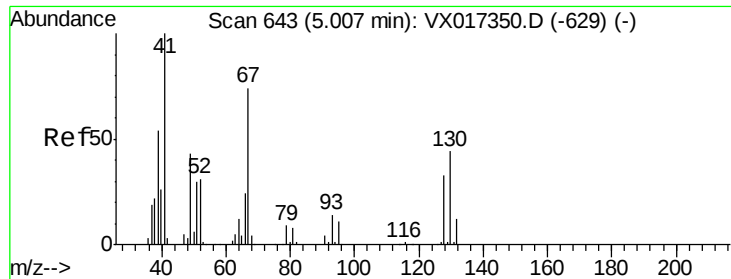
MMDadoda
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#40
Benzene
Concen: 0.473 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.9	28.3





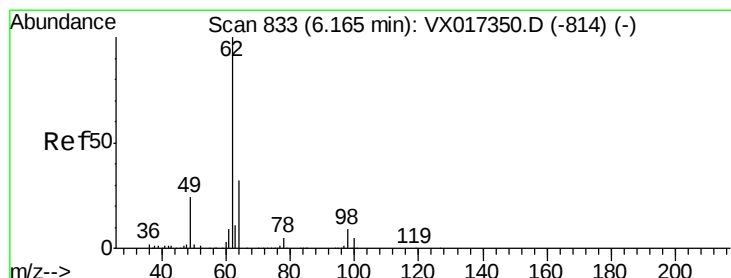
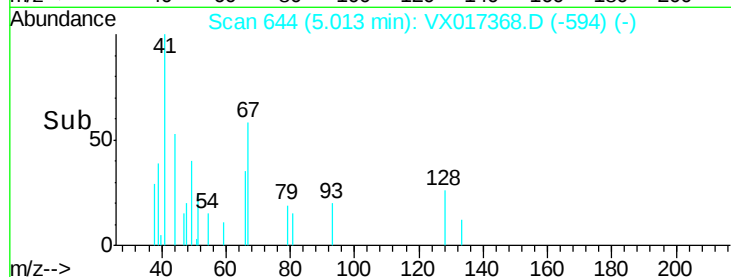
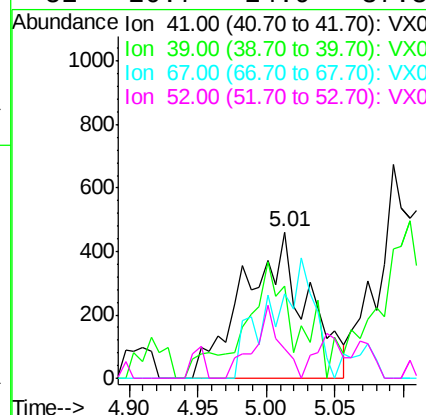
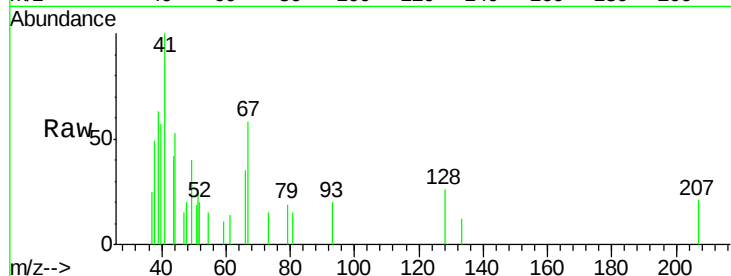
#41
Methacrylonitrile
Concen: 0.637 ug/l m
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	41.8	43.8	65.8#
67	0.0	58.7	88.1#
52	20.7	24.9	37.3#

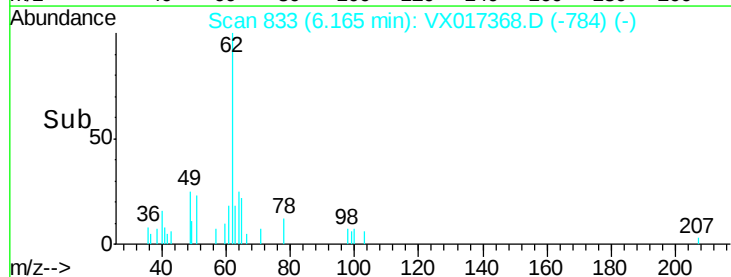
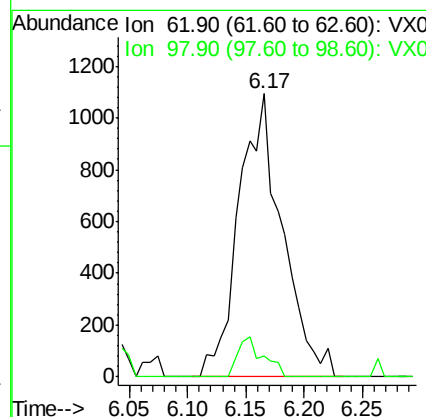
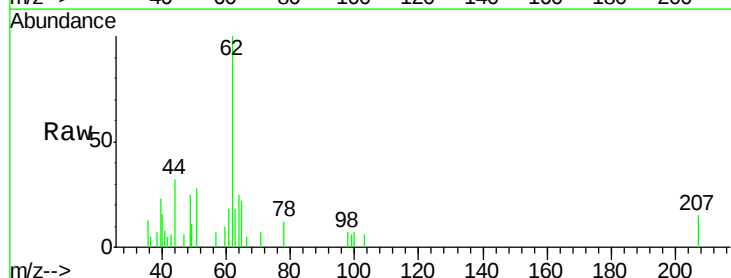
Manual Integrations
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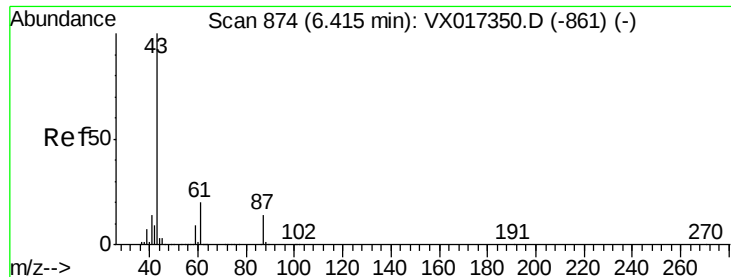
MMDadoda
7/15/2020 11:43:40 AM



#42
1,2-Dichloroethane
Concen: 0.611 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	19.4





#43

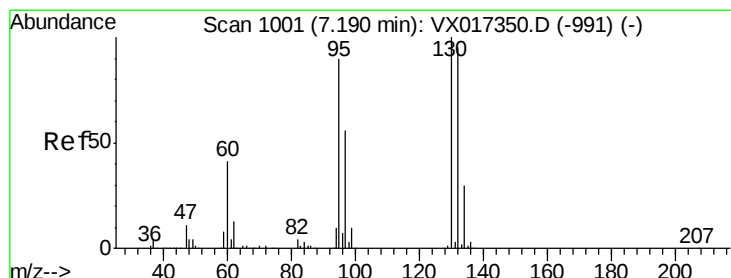
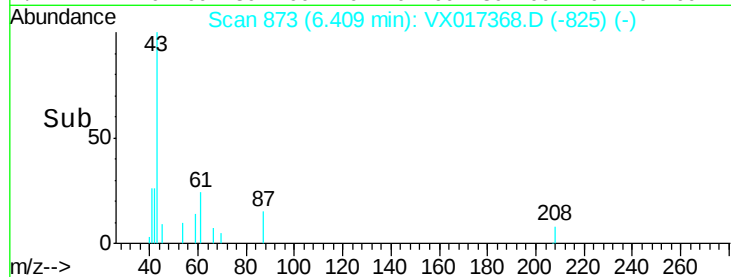
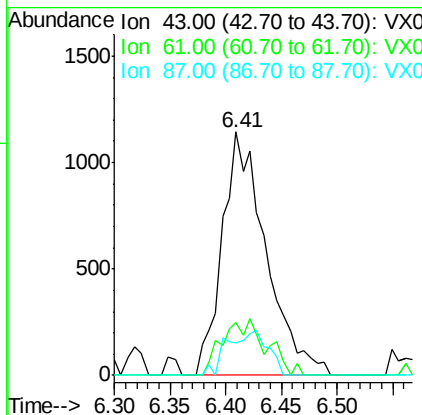
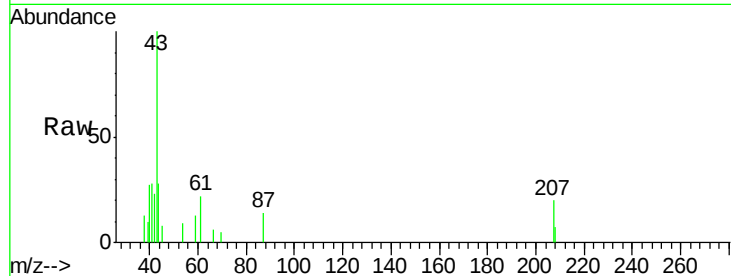
Isopropyl Acetate
 Concen: 0.453 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.5	16.4	24.6
87	17.2	11.2	16.8

Manual Integrations
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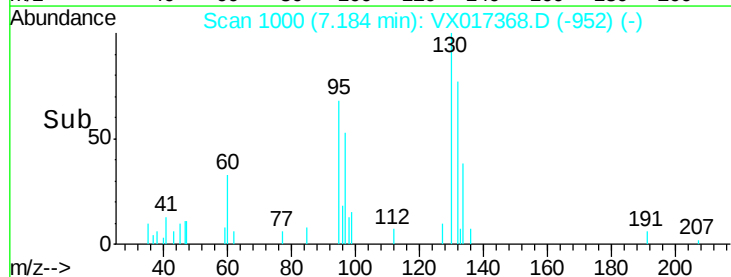
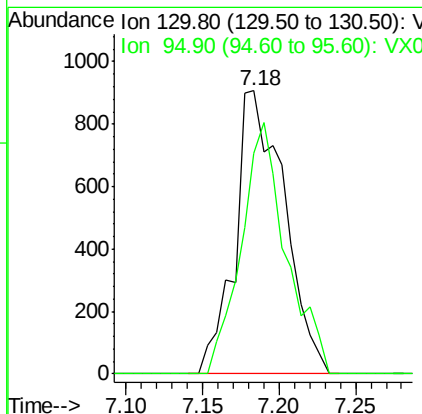
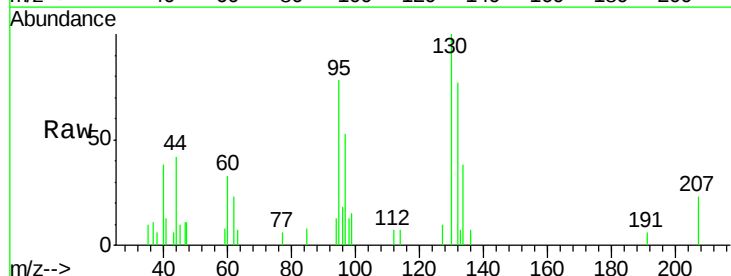
MMDadoda
 7/15/2020 11:43:40 AM

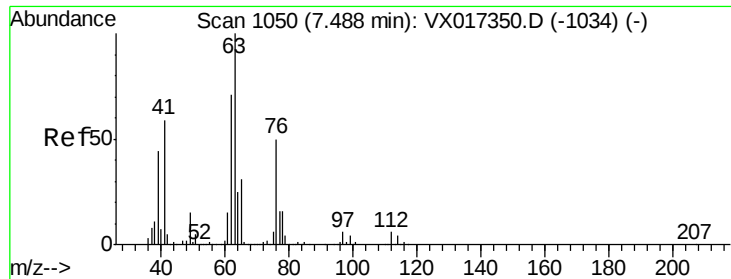


#44

Trichloroethene
 Concen: 0.557 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	77.9	0.0	180.2





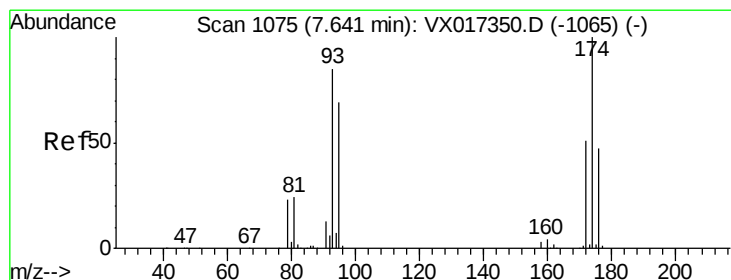
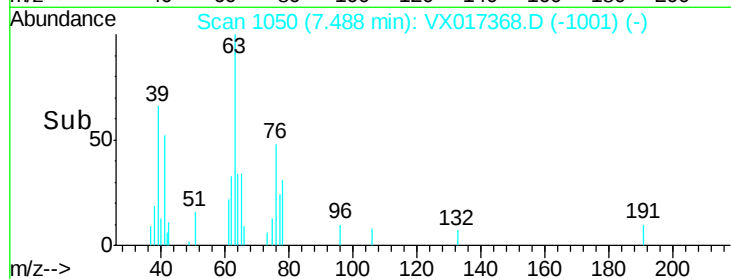
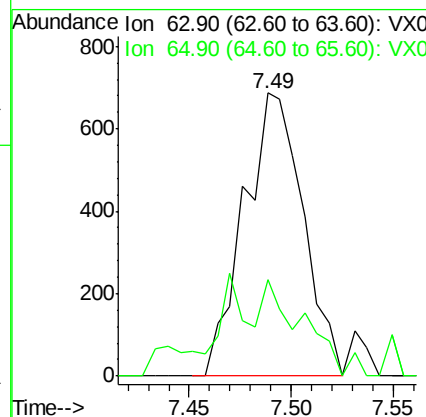
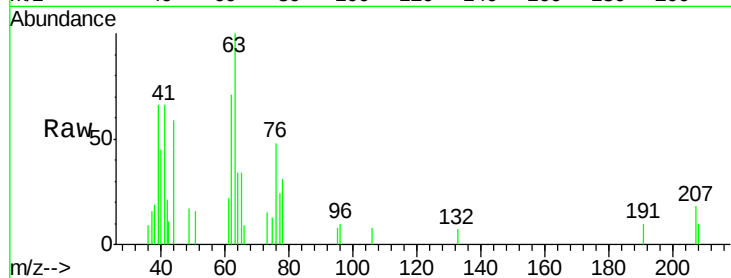
#45
 1,2-Dichloropropane
 Concen: 0.449 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.1	24.5	36.7

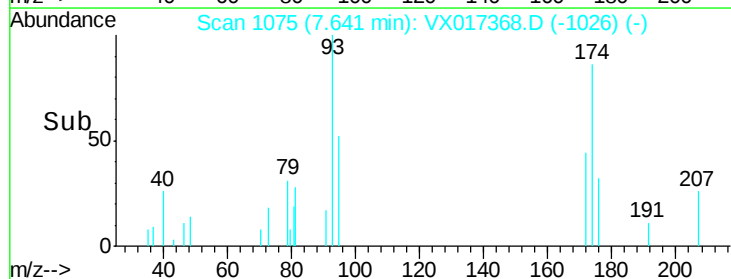
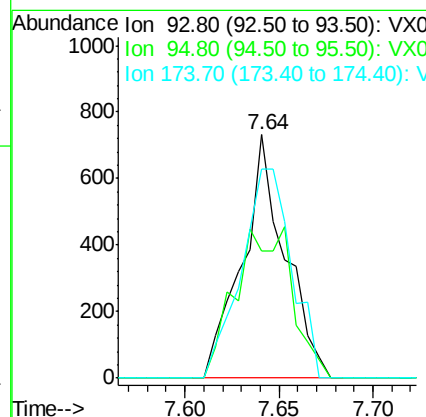
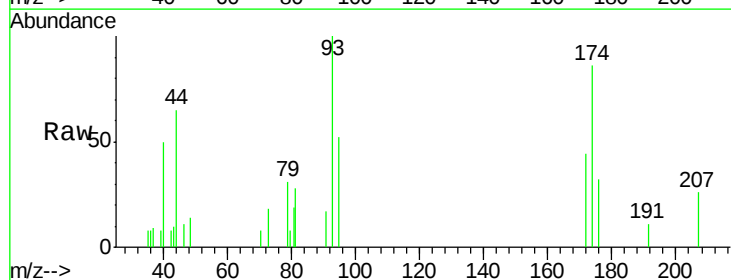
Manual Integrations
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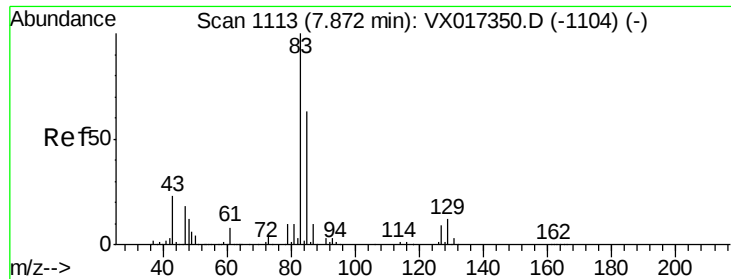
MMDadoda
 7/15/2020 11:43:40 AM



#46
 Dibromomethane
 Concen: 0.521 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.4	98.2
174	101.0	91.2	136.8





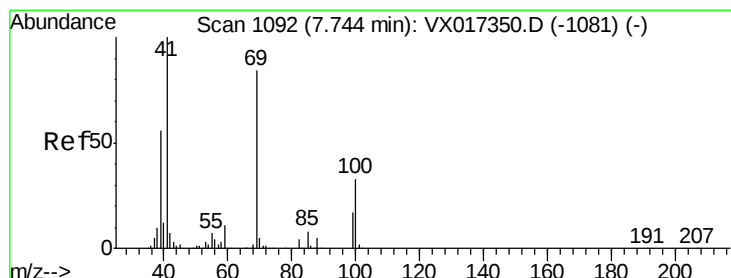
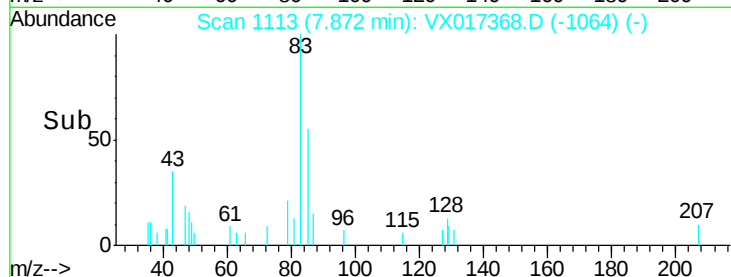
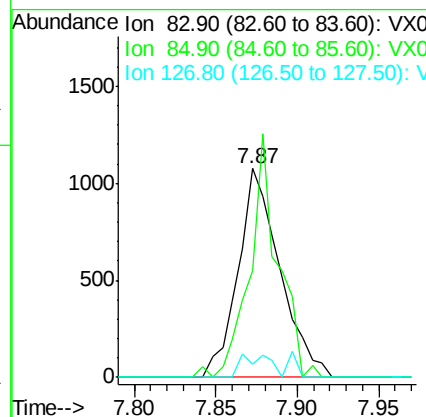
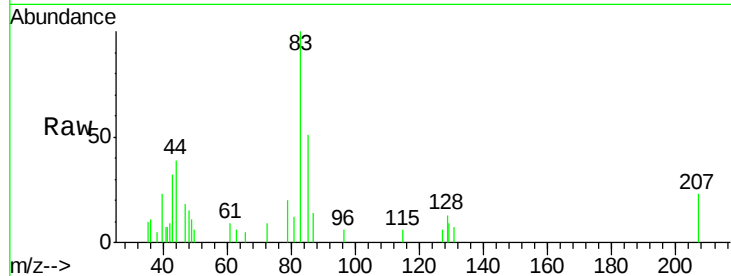
#47
Bromodichloromethane
Concen: 0.414 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
85	51.3	50.2	75.4
127	6.1	7.1	10.7

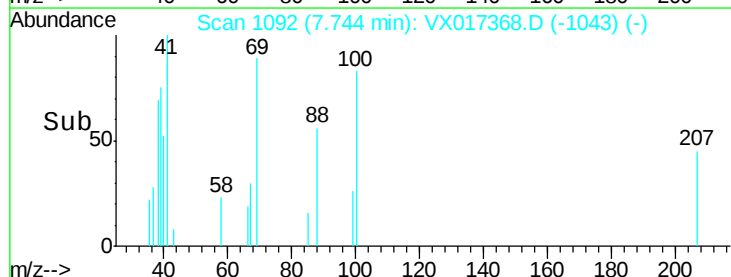
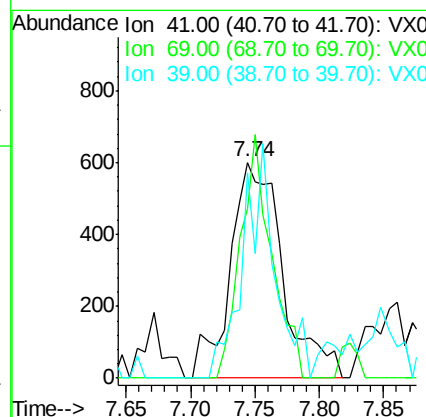
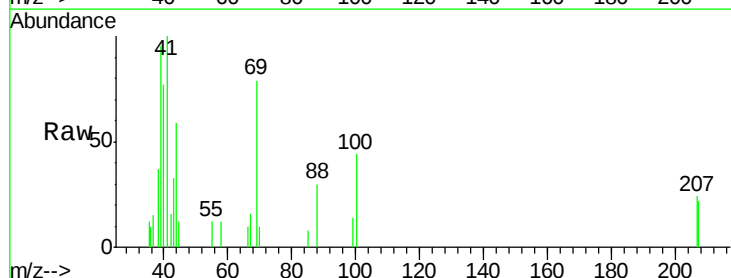
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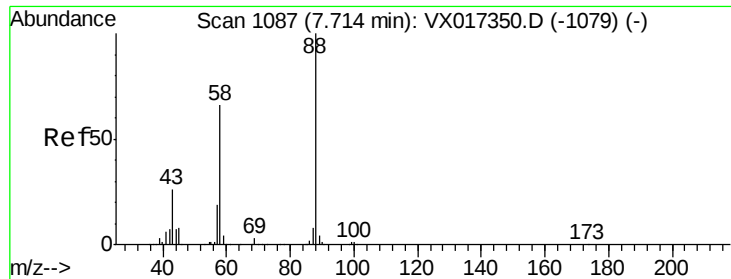
MMDadoda
7/15/2020 11:43:40 AM



#48
Methyl methacrylate
Concen: 0.515 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	67.2	67.8	101.6
39	66.1	45.1	67.7





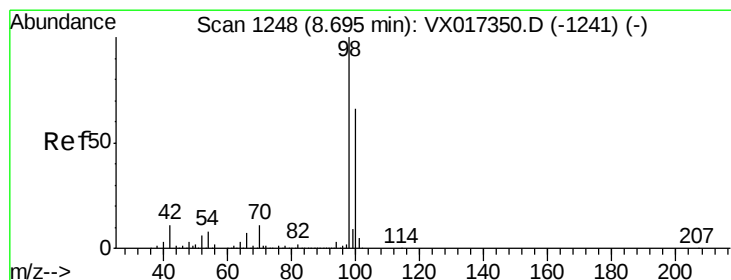
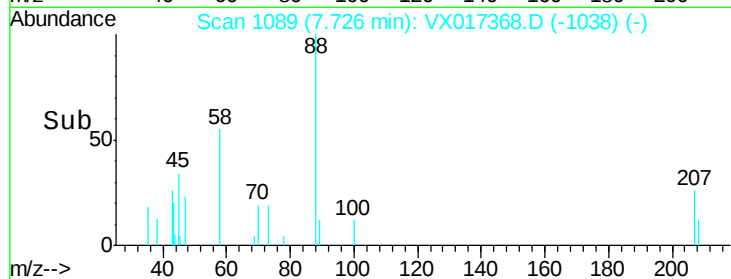
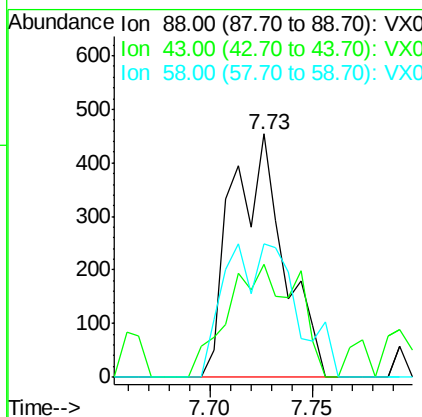
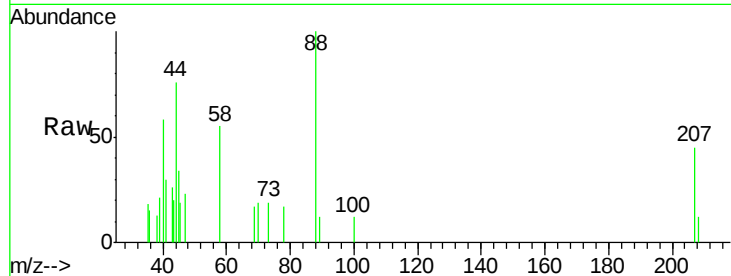
#49
1,4-Dioxane
Concen: 12.042 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	61.2	25.6	38.4#
58	32.1	53.9	80.9#

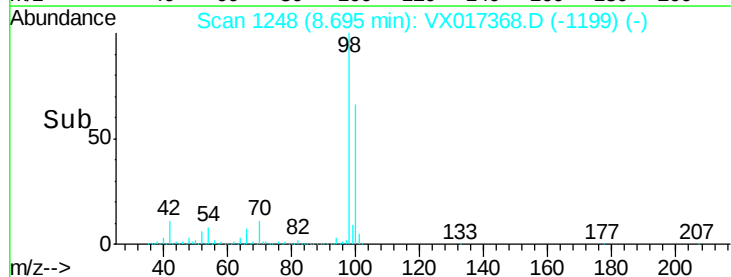
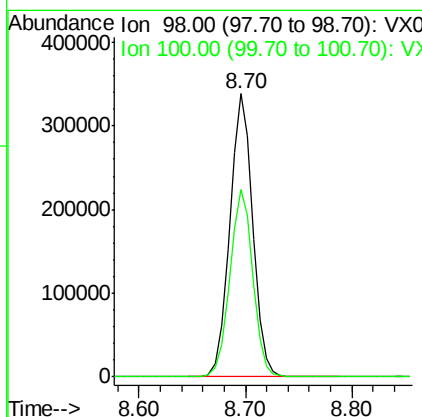
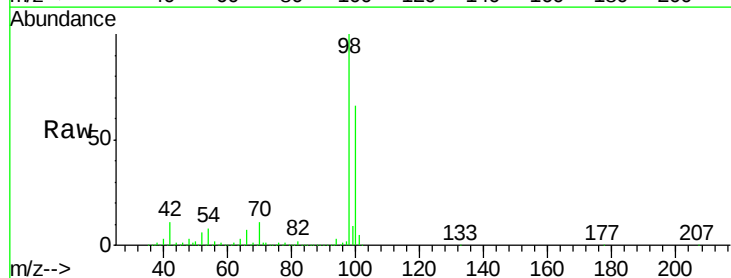
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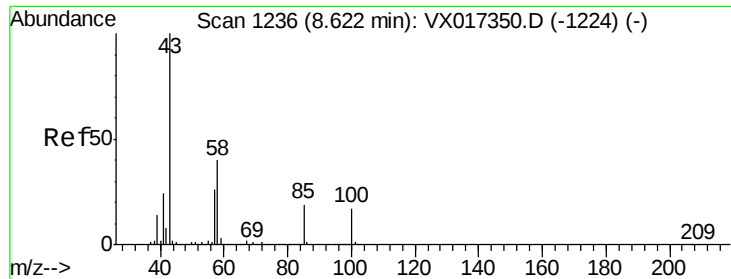
MMDadoda
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#50
Toluene-d8
Concen: 46.309 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 1.894 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 7961

Ion Ratio Lower Upper

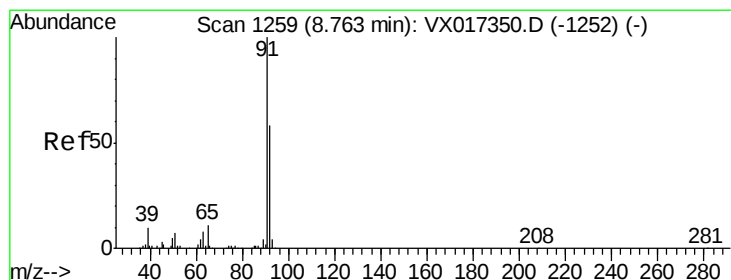
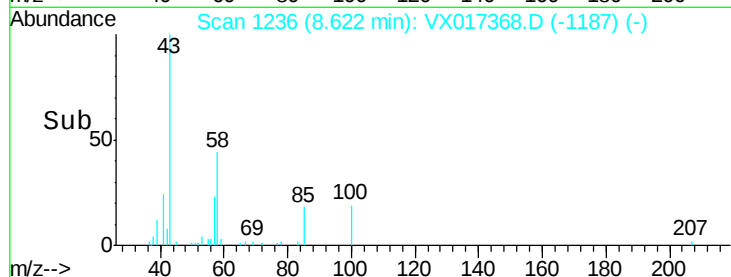
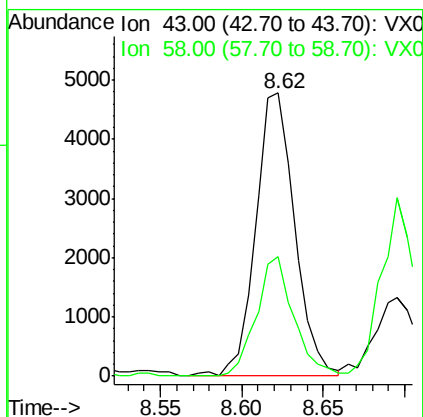
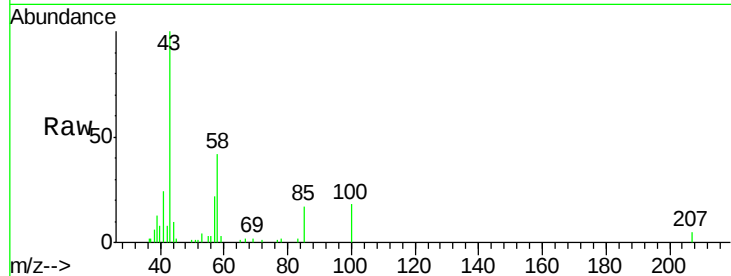
43 100

58 40.8 32.2 48.2

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#52

Toluene

Concen: 0.478 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017368.D

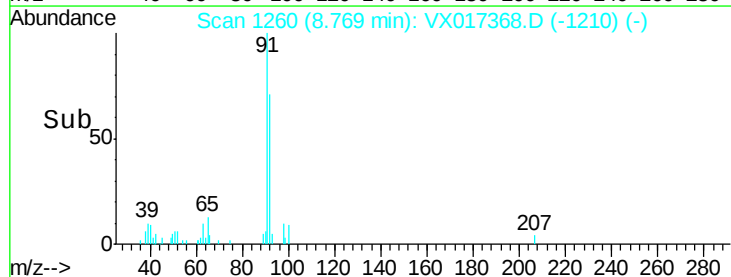
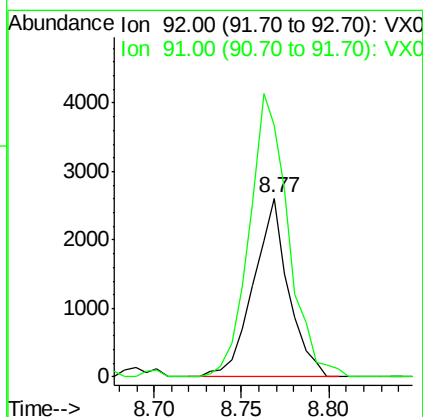
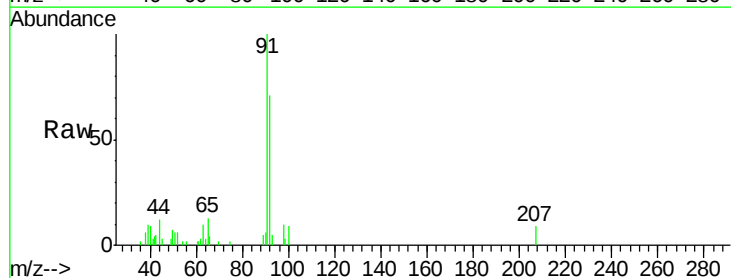
Acq: 14 Jul 2020 11:03

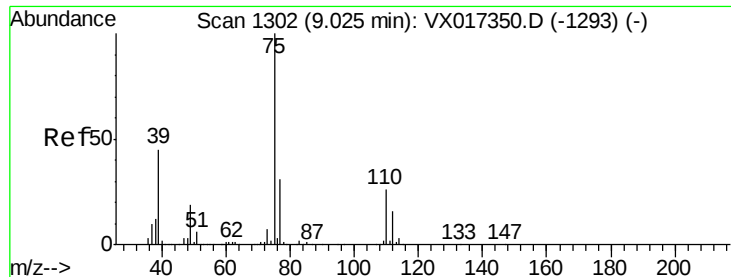
Tgt Ion: 92 Resp: 3673

Ion Ratio Lower Upper

92 100

91 175.1 136.7 205.1





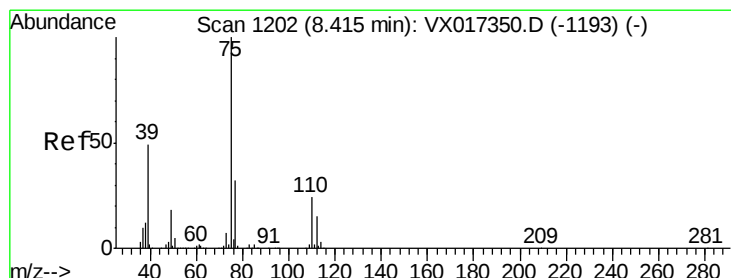
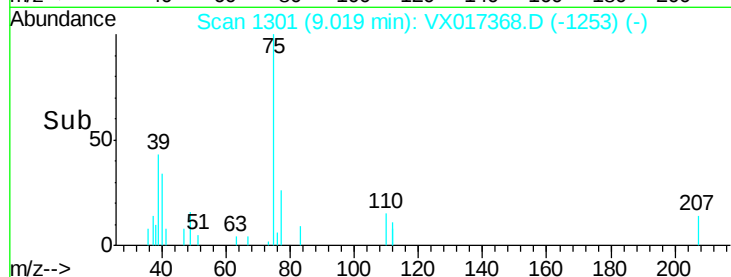
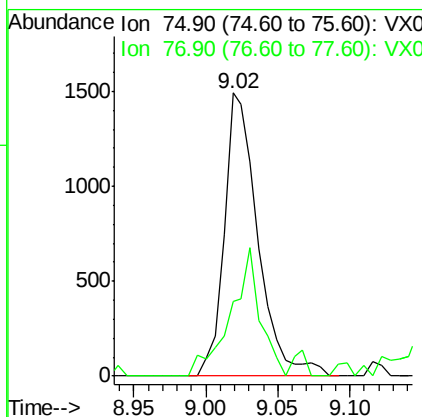
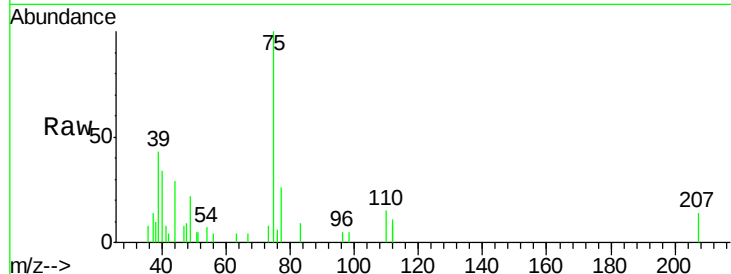
#53
t-1,3-Dichloropropene
Concen: 0.490 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 75 Resp: 2441
Ion Ratio Lower Upper
75 100
77 26.4 25.0 37.6

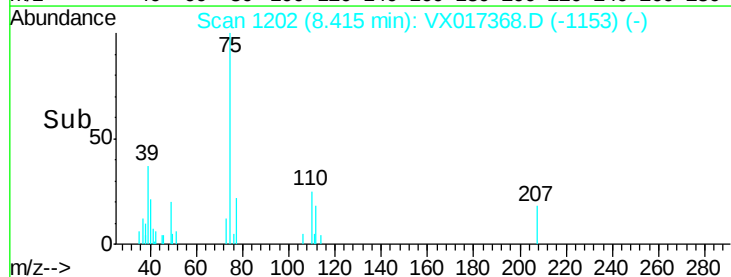
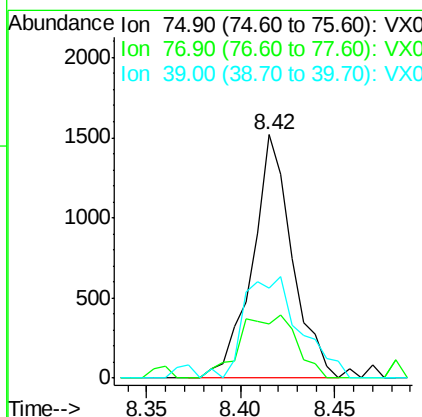
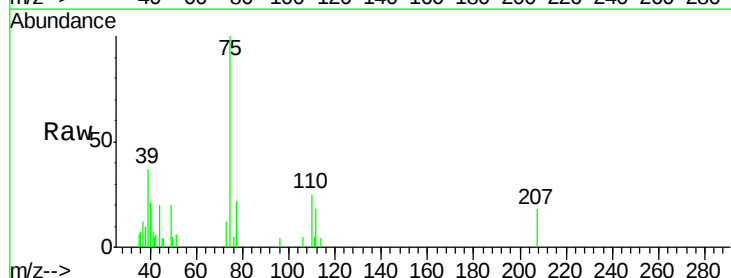
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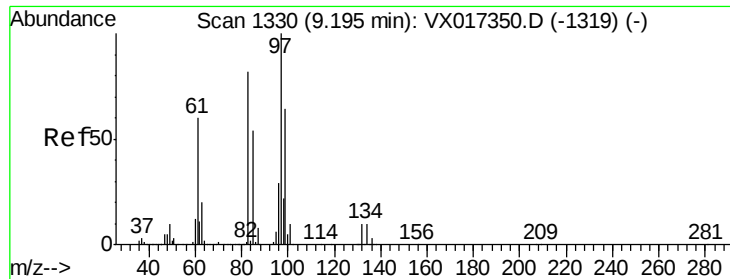
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 0.419 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 75 Resp: 2226
Ion Ratio Lower Upper
75 100
77 22.3 25.3 37.9#
39 31.6 38.9 58.3#





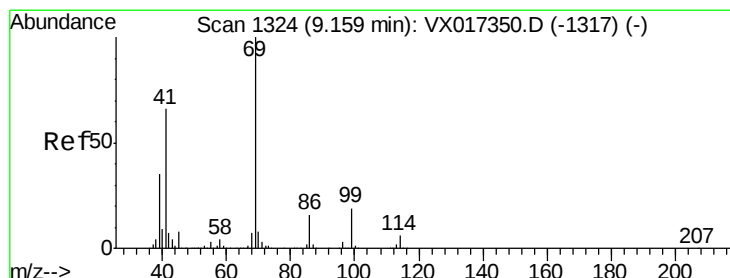
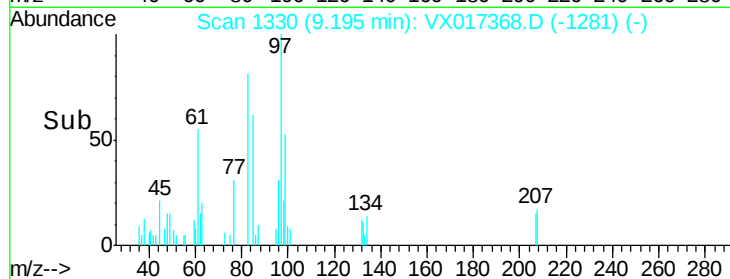
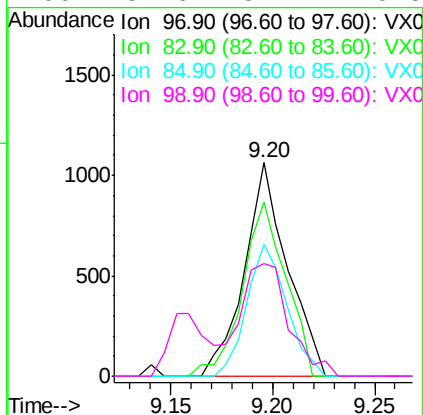
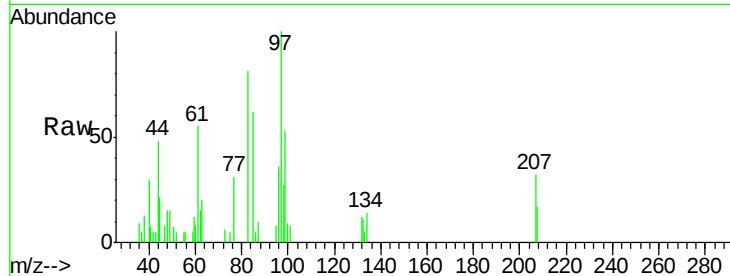
#55
 1,1,2-Trichloroethane
 Concen: 0.486 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.5	65.8	98.6
85	61.7	42.8	64.2
99	52.6	51.2	76.8

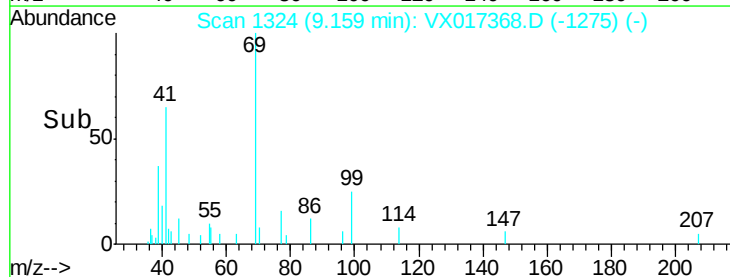
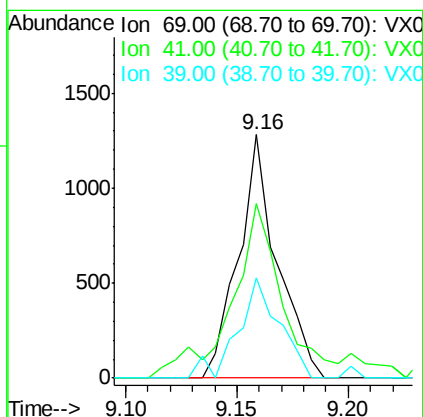
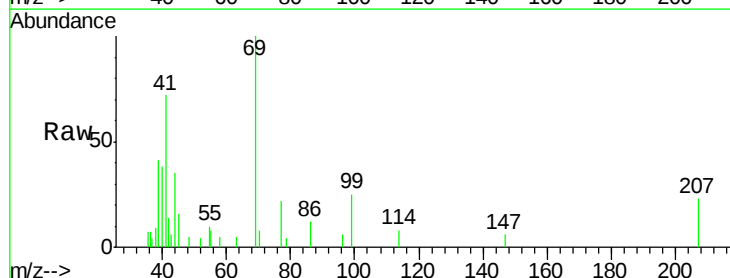
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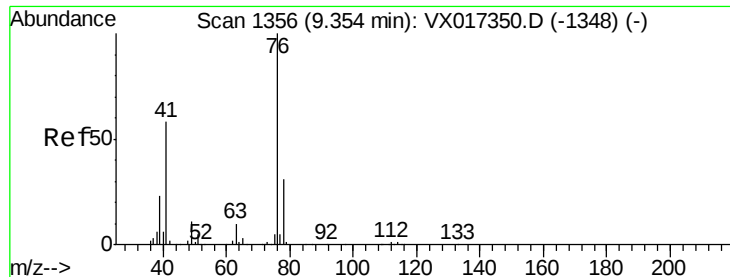
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#56
 Ethyl methacrylate
 Concen: 0.342 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	93.3	52.6	78.8#
39	43.9	28.8	43.2#





#57

1,3-Dichloropropane

Concen: 0.438 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 76 Resp: 2337

Ion Ratio Lower Upper

76 100

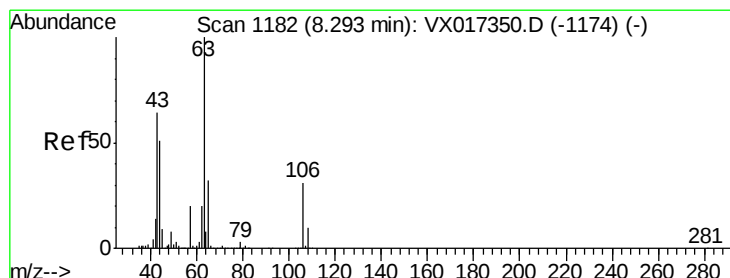
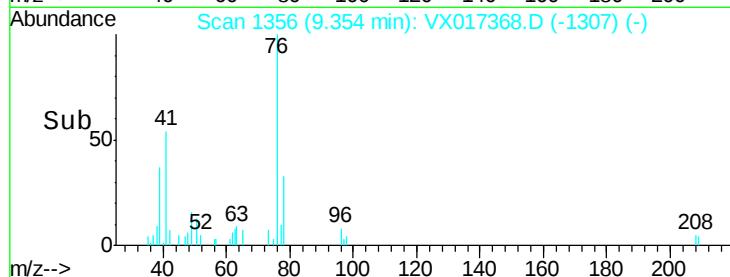
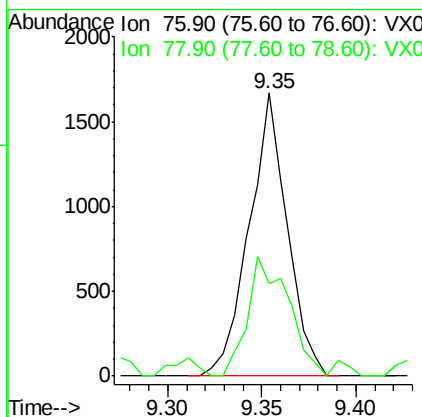
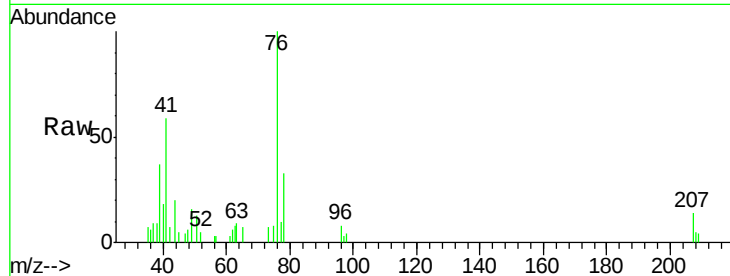
78 45.4 25.8 38.6#

Manual Integrations

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MMDadoda

7/15/2020 11:43:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 1.734 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017368.D

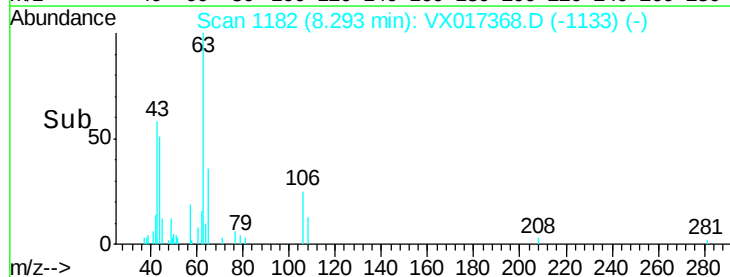
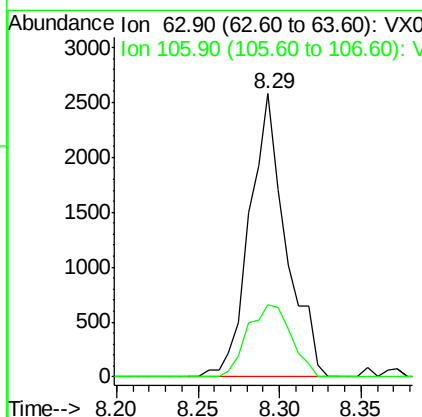
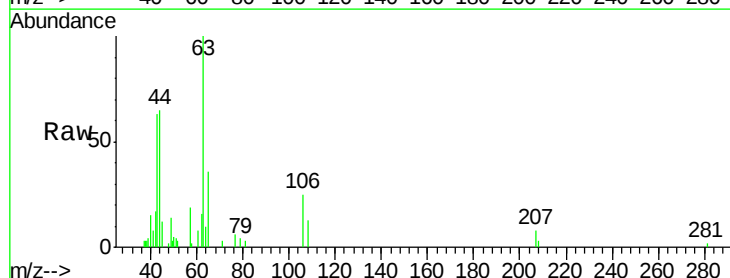
Acq: 14 Jul 2020 11:03

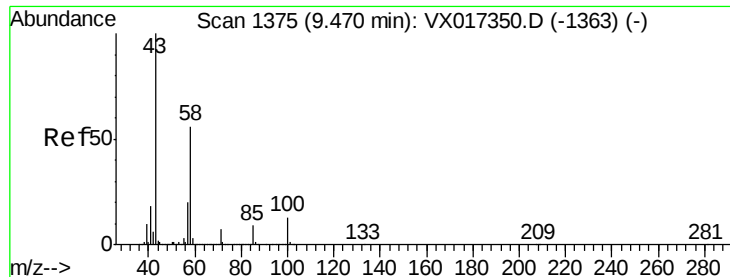
Tgt Ion: 63 Resp: 4008

Ion Ratio Lower Upper

63 100

106 30.3 24.8 37.2





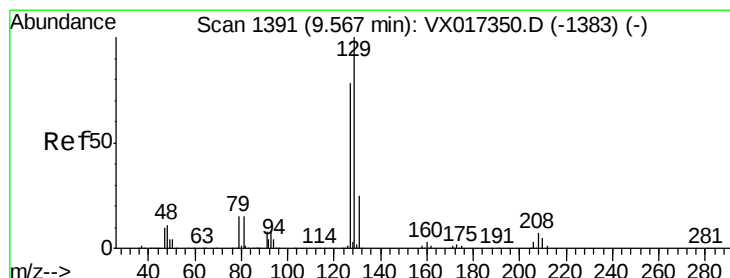
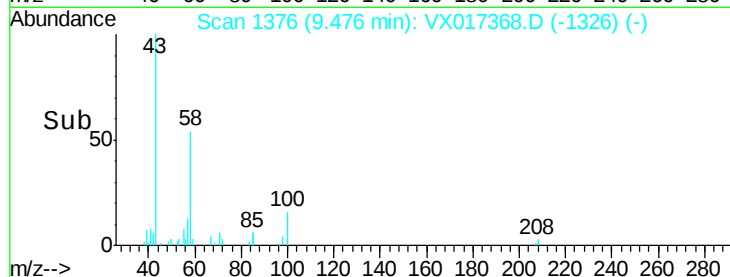
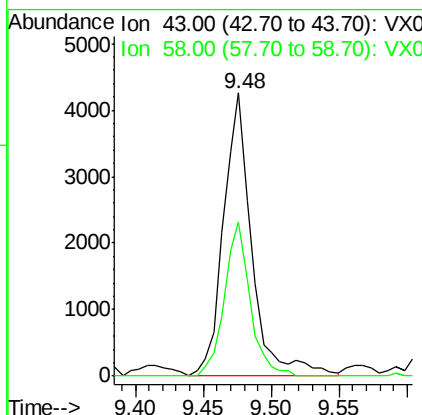
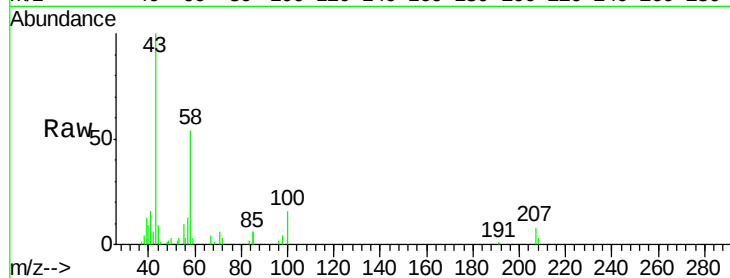
#59
2-Hexanone
Concen: 1.942 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 6159
Ion Ratio Lower Upper
43 100
58 49.1 28.1 84.3

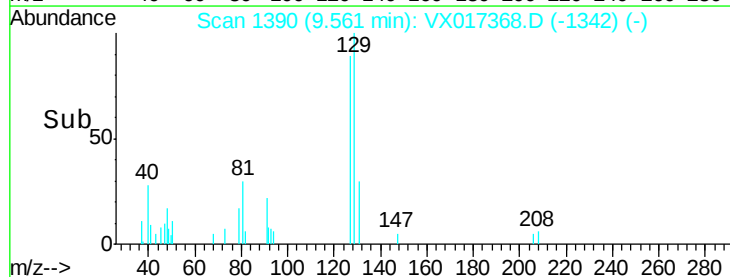
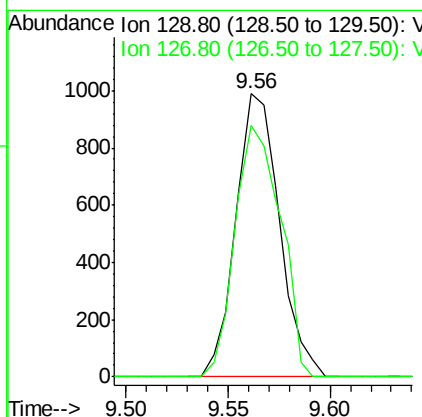
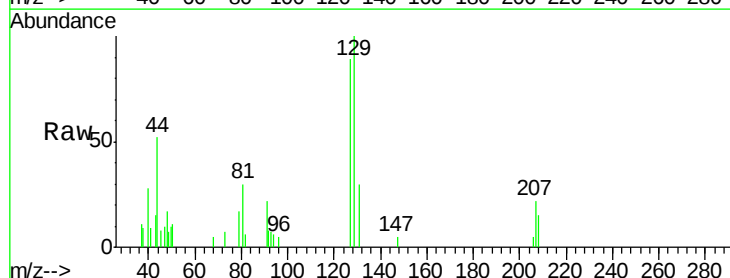
Manual Integrations
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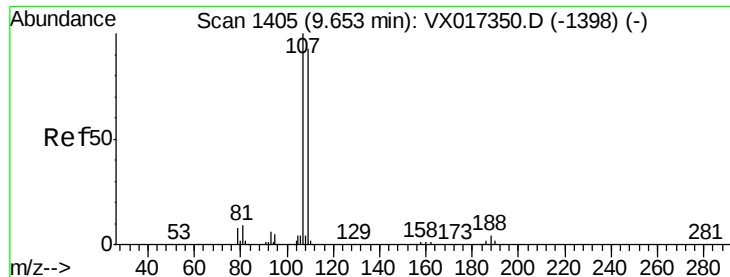
MMDadoda
7/15/2020 11:43:40 AM



#60
Dibromochloromethane
Concen: 0.375 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 129 Resp: 1471
Ion Ratio Lower Upper
129 100
127 92.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 0.453 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:107 Resp: 1579

Ion Ratio Lower Upper

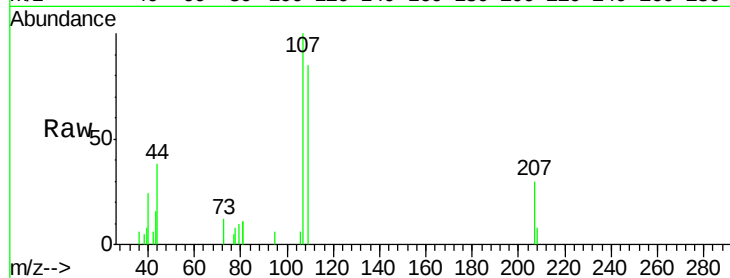
107 100

109 103.7 75.0 112.4

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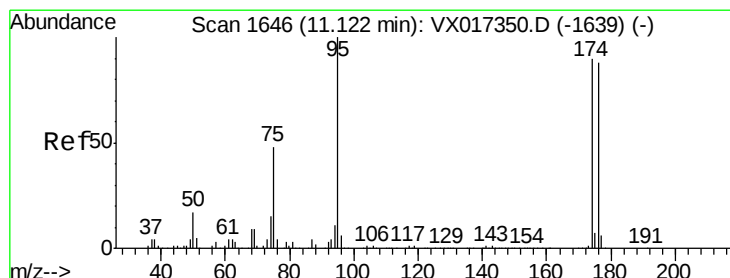
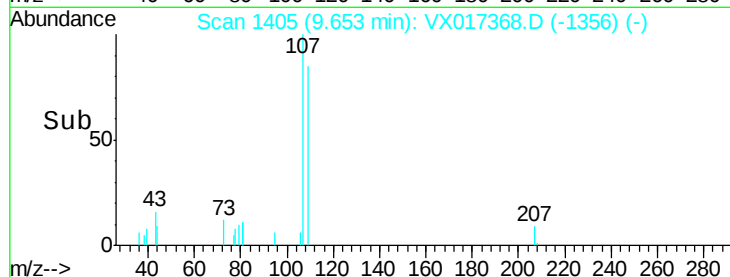
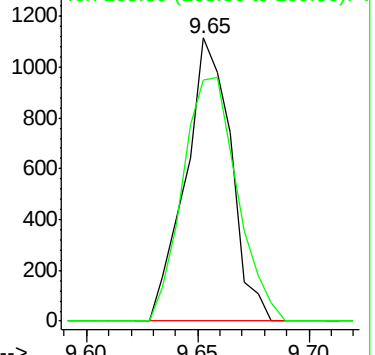
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.427 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

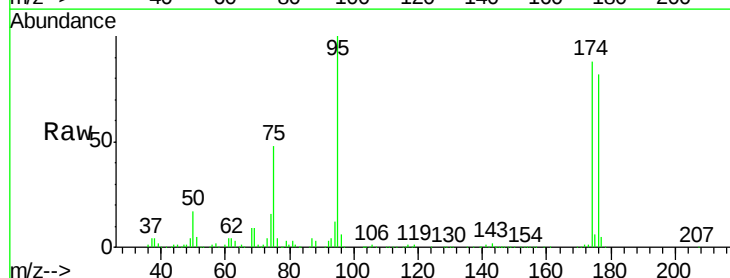
Tgt Ion: 95 Resp: 185664

Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.8

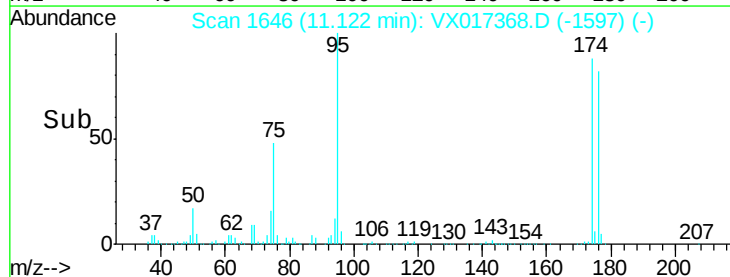
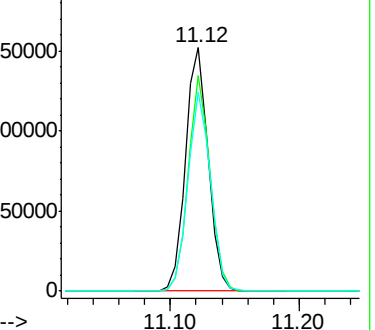
176 81.0 0.0 164.6

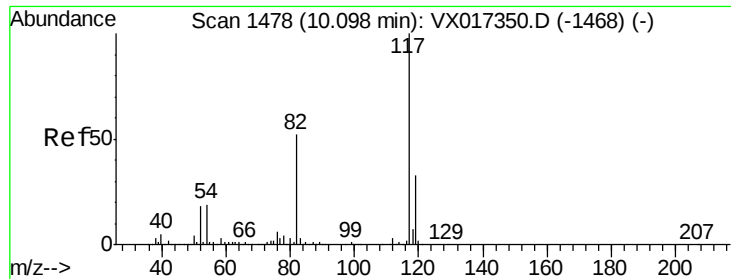


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





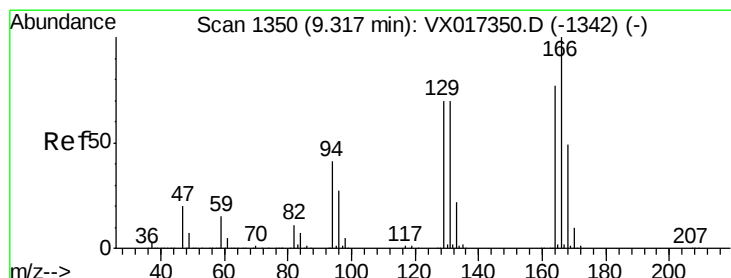
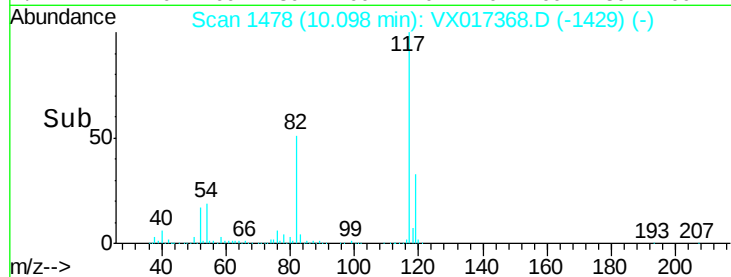
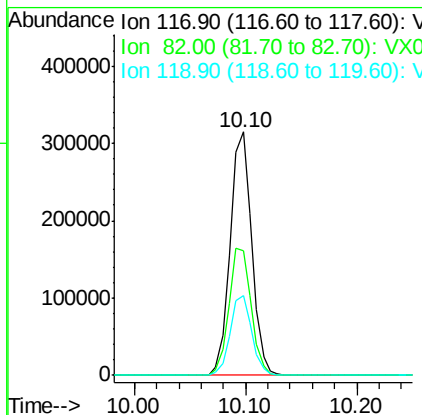
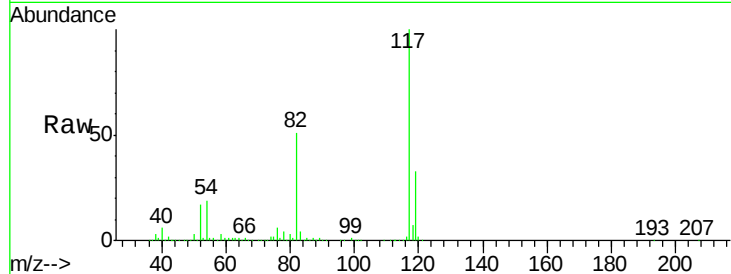
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	420563		
82	51.0		42.0	63.0
119	32.6		26.3	39.5

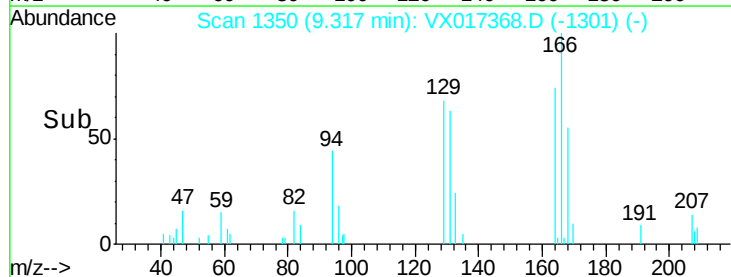
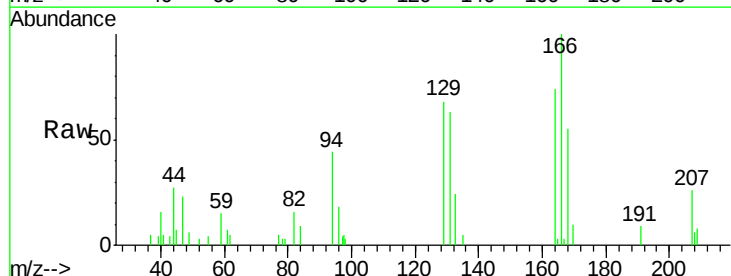
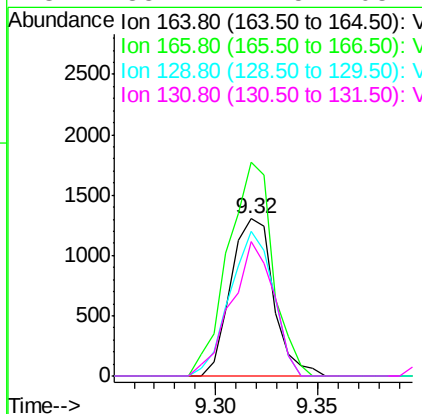
Manual Integrations
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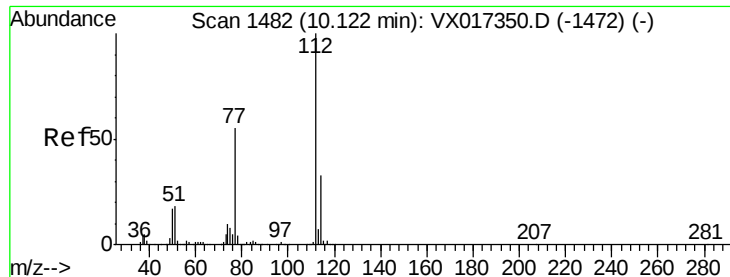
MMDadoda
7/15/2020 11:43:40 AM



#64
Tetrachloroethene
Concen: 0.521 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1896		
166	135.9		103.9	155.9
129	92.4		72.9	109.3
131	85.7		72.5	108.7





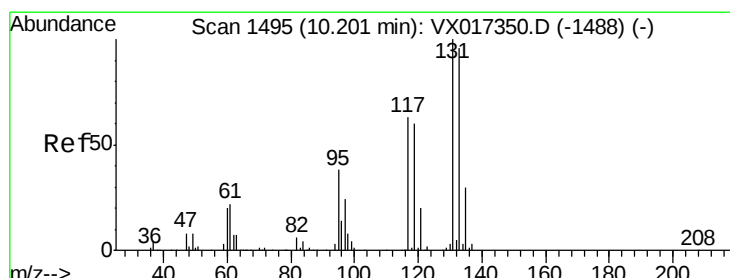
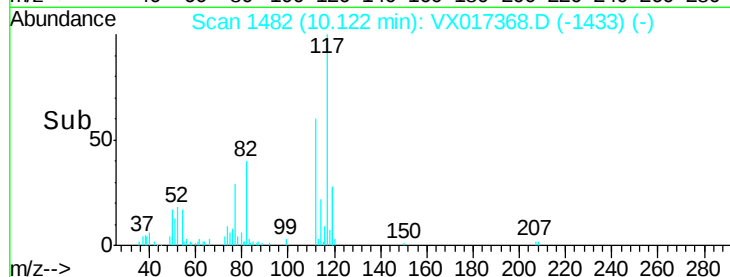
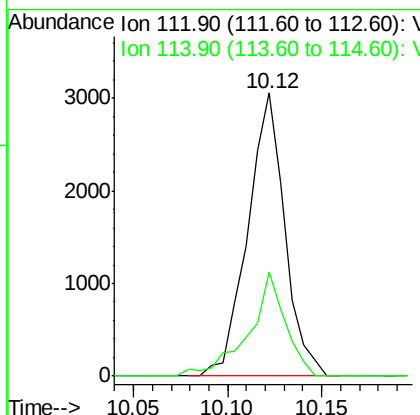
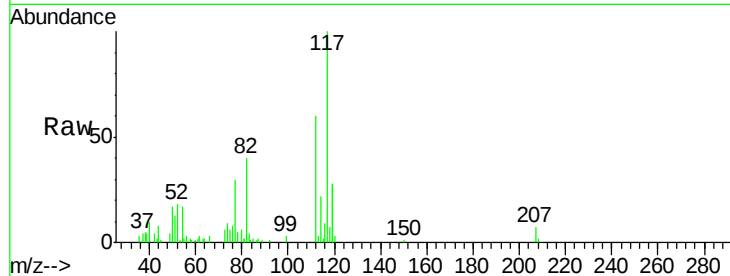
#65
Chlorobenzene
Concen: 0.485 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.7	26.0	39.0

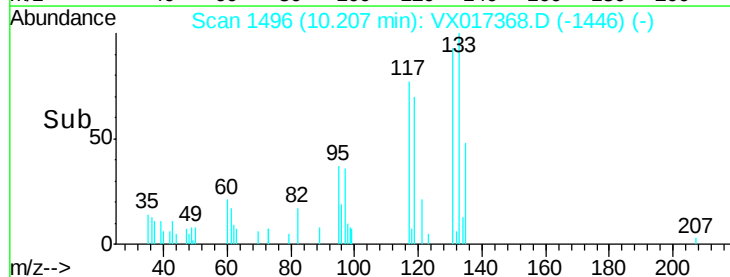
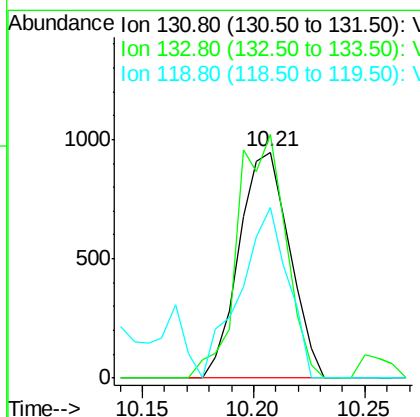
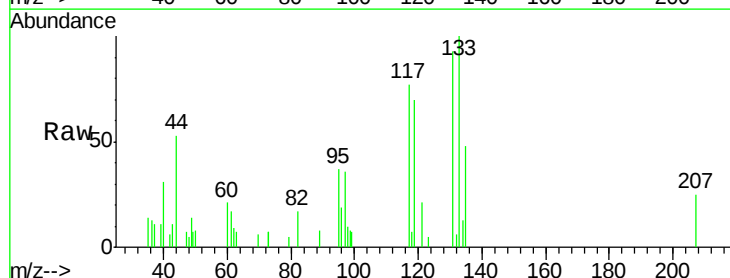
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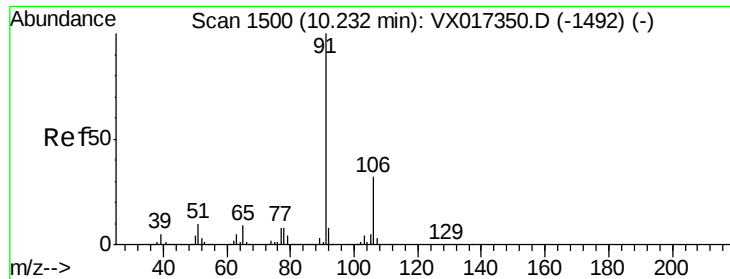
MMDadoda
7/15/2020 11:43:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.440 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.9	48.4	145.2
119	0.0	31.2	93.6#





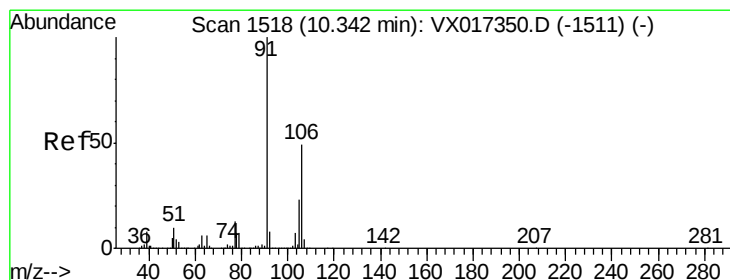
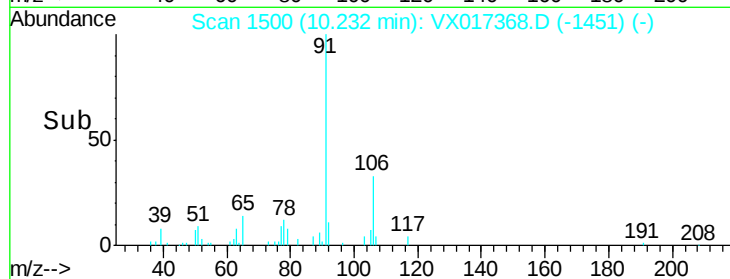
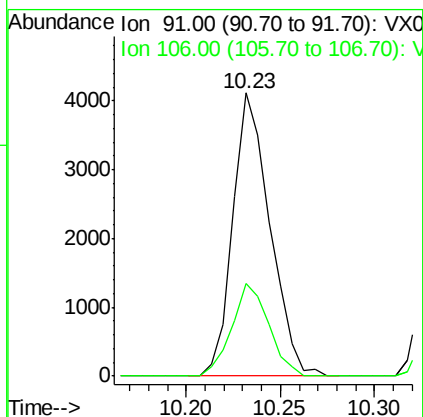
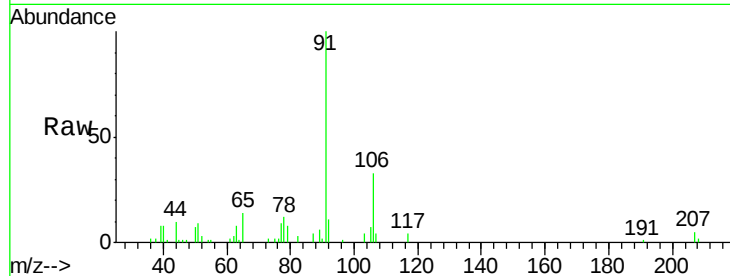
#67
Ethyl Benzene
Concen: 0.395 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 5614
Ion Ratio Lower Upper
91 100
106 32.6 25.7 38.5

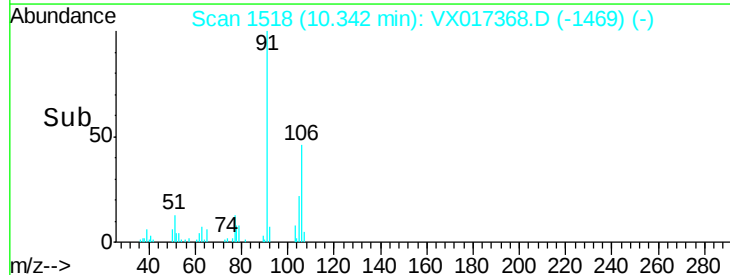
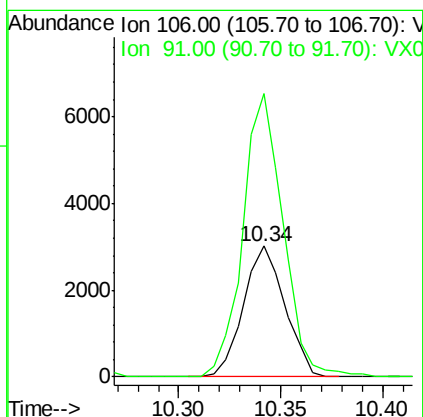
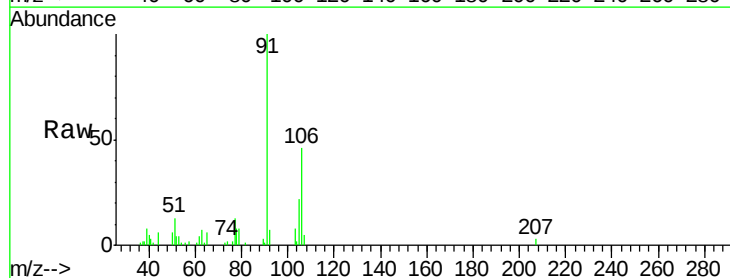
Manual Integrations
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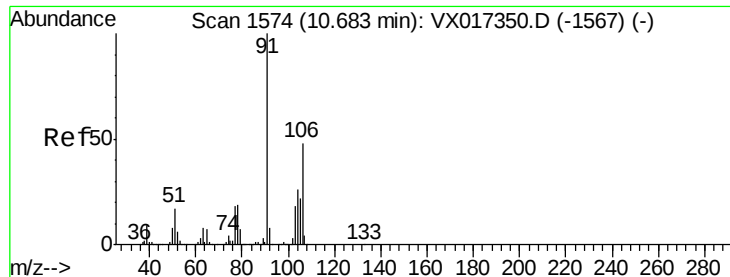
MMDadoda
7/15/2020 11:43:40 AM



#68
m/p-Xylenes
Concen: 0.787 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion: 106 Resp: 4259
Ion Ratio Lower Upper
106 100
91 210.3 162.5 243.7





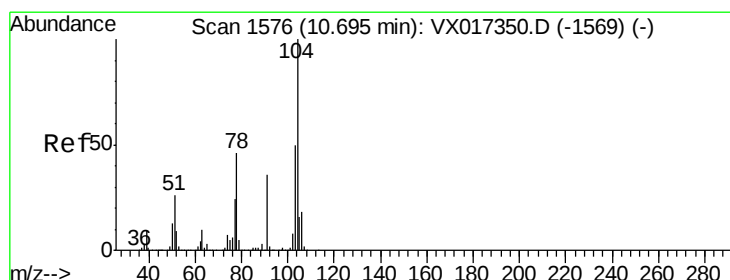
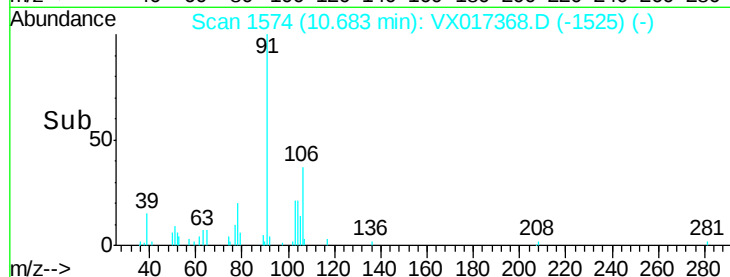
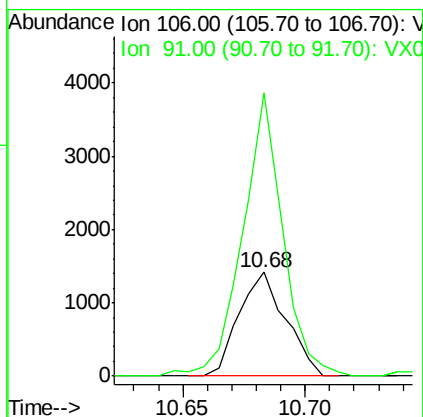
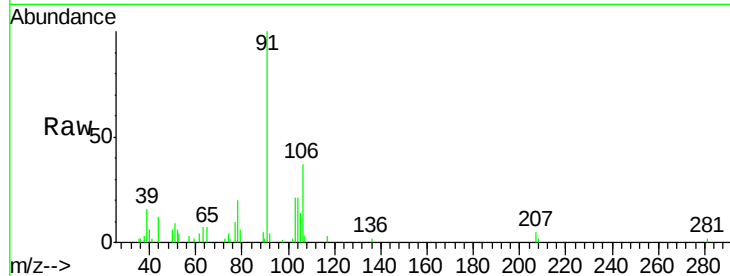
#69
o-Xylene
Concen: 0.362 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion:106 Resp: 1874
Ion Ratio Lower Upper
106 100
91 235.7 106.1 318.1

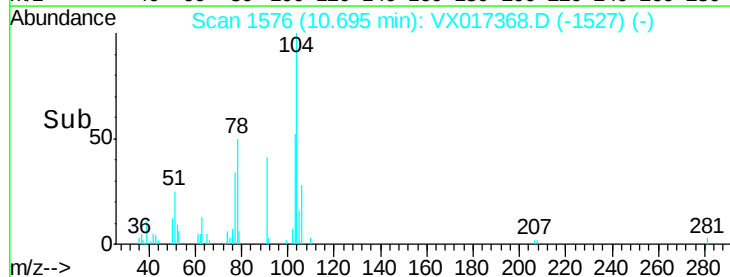
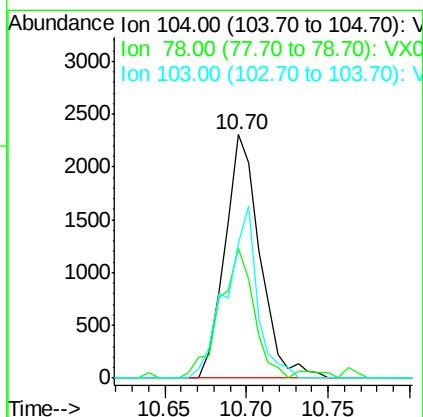
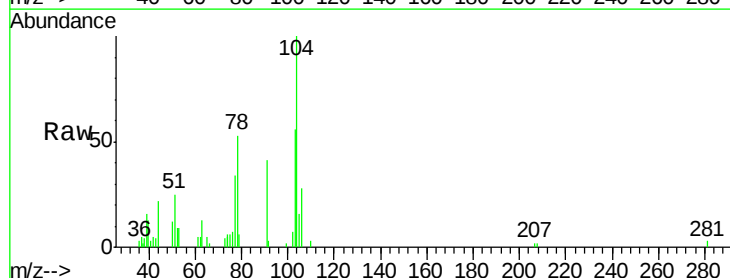
Manual Integrations
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MMDadoda
7/15/2020 11:43:40 AM



#70
Styrene
Concen: 0.387 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion:104 Resp: 3435
Ion Ratio Lower Upper
104 100
78 51.9 40.8 61.2
103 62.5 43.3 64.9





#71

Bromoform

Concen: 0.404 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

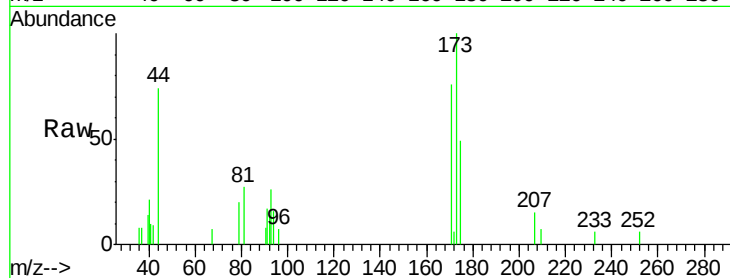
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.7	74.1
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
7/15/2020 11:43:40 AM

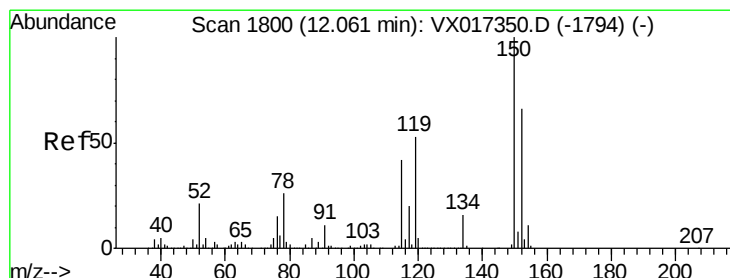
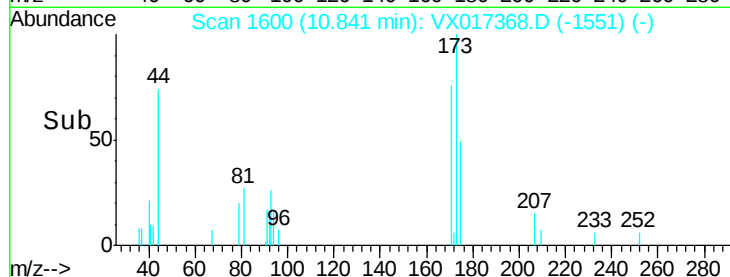
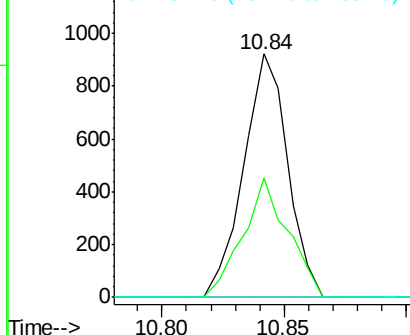


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

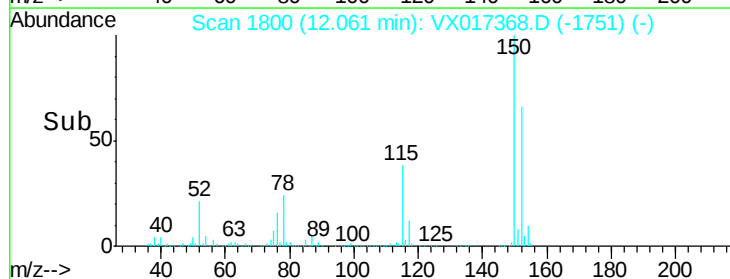
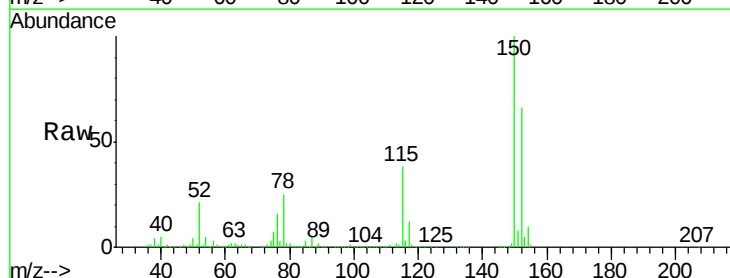
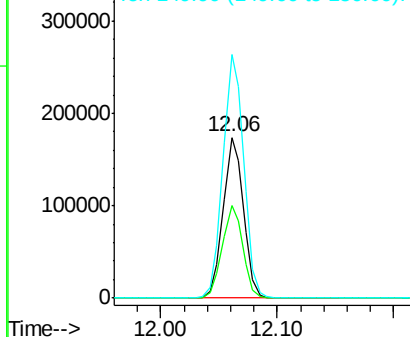
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	39.9	119.7
150	155.0	0.0	343.4

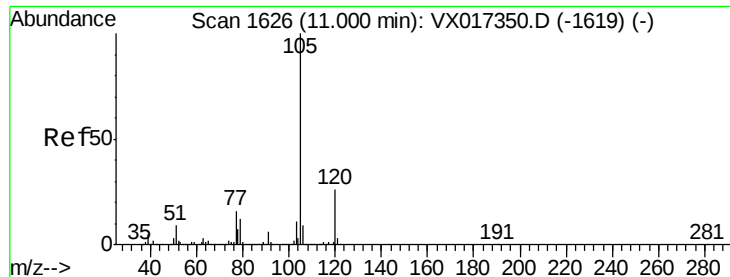
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.350 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 105 Resp: 4578

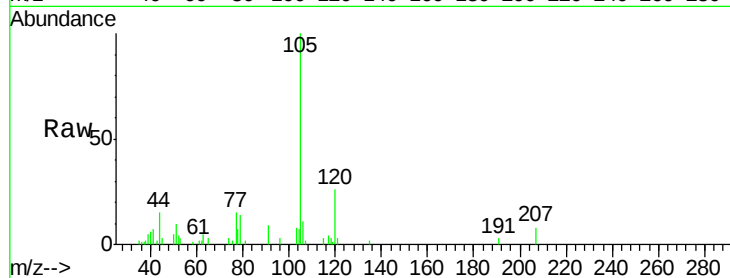
Ion Ratio Lower Upper

105 100

120 28.6 13.3 39.8

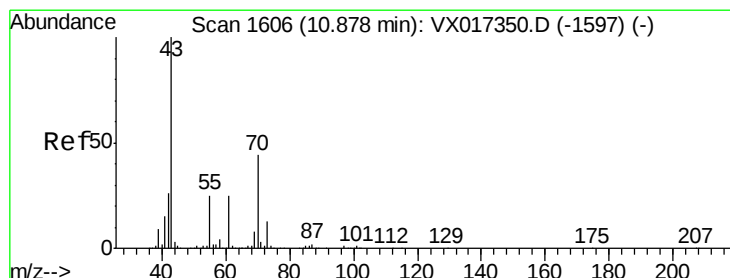
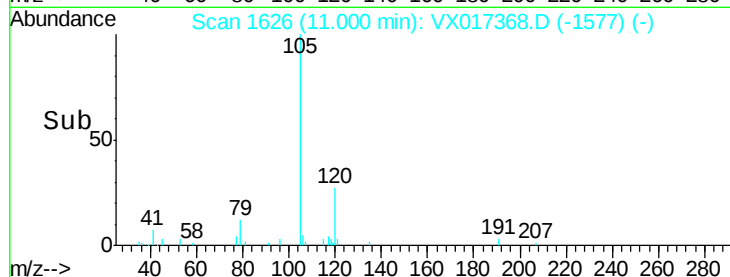
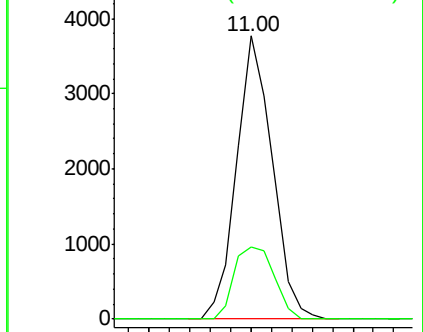
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.409 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion: 43 Resp: 2143

Ion Ratio Lower Upper

43 100

70 38.2 35.7 53.5

55 26.3 20.3 30.5

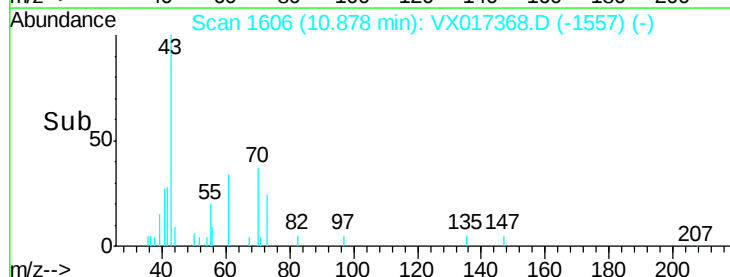
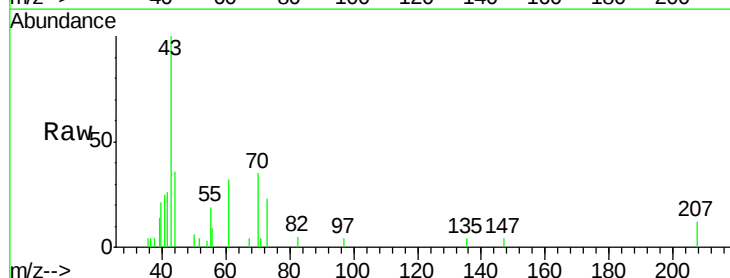
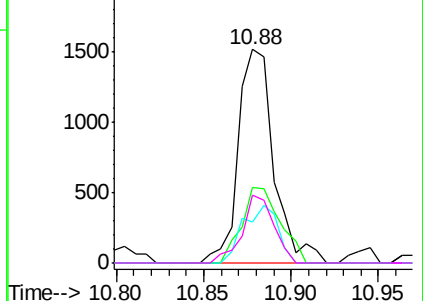
61 28.1 20.0 30.0

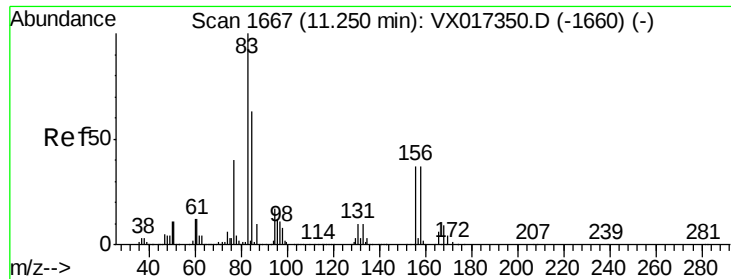
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.563 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

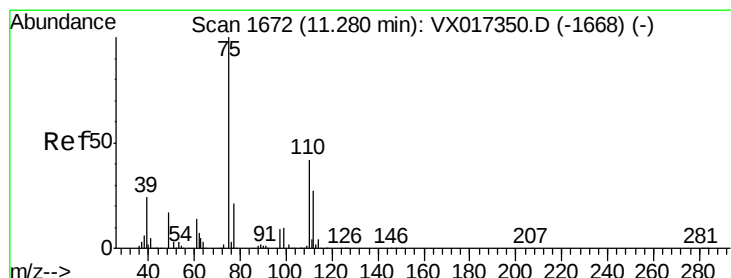
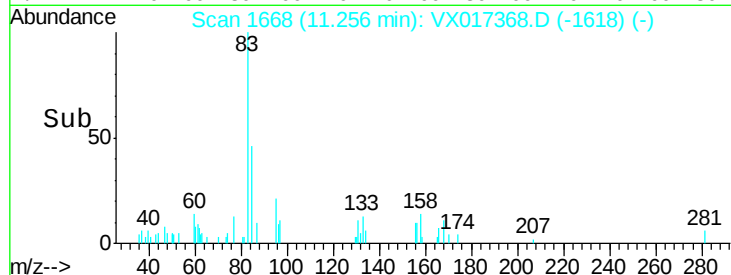
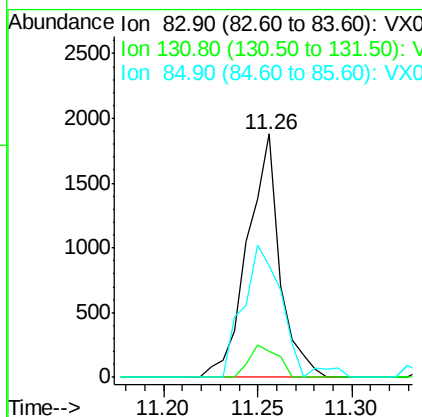
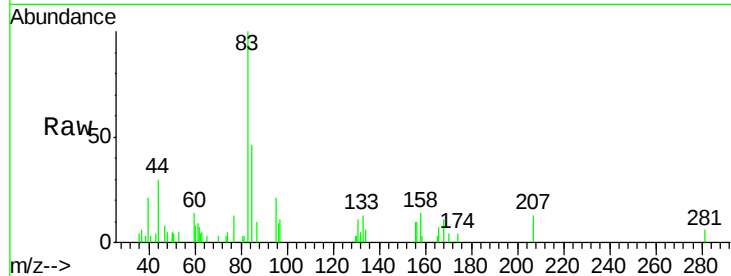
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	83	Resp:	2240
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.7
85	65.0	32.6	98.0

Manual Integrations
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MMDadoda
7/15/2020 11:43:40 AM



#76

1,2,3-Trichloropropane

Concen: 0.527 ug/l m

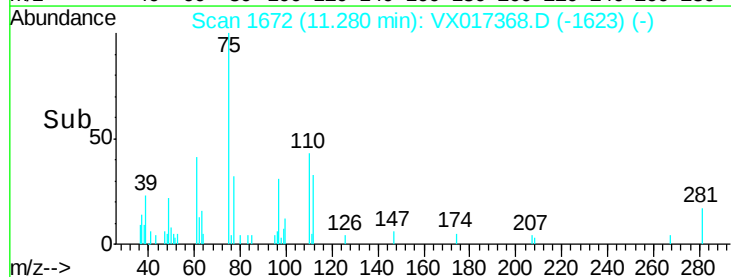
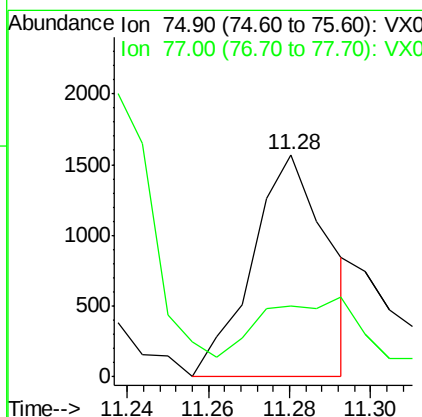
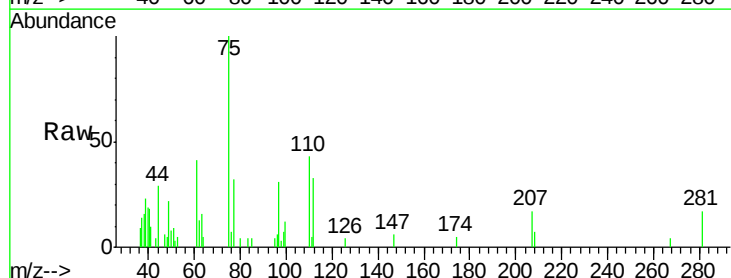
RT: 11.28 min Scan# 1672

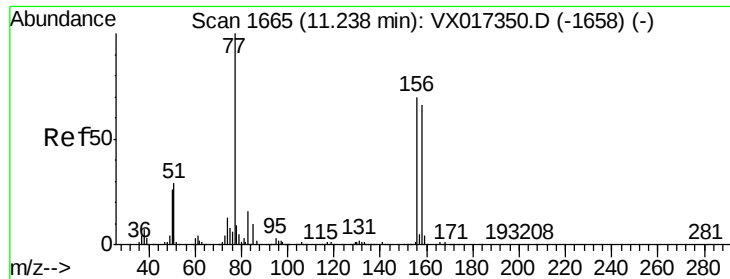
Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion:	75	Resp:	2034
Ion Ratio	Lower	Upper	
75	100		
77	47.2	20.3	60.9





#77

Bromobenzene

Concen: 0.484 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

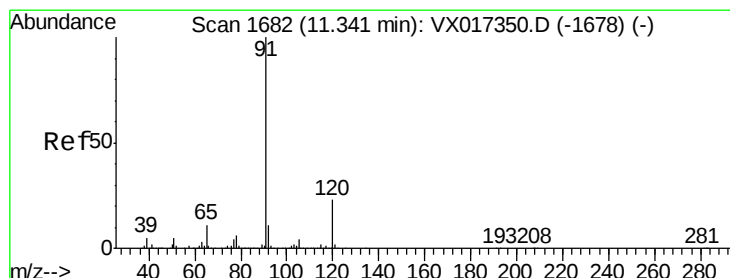
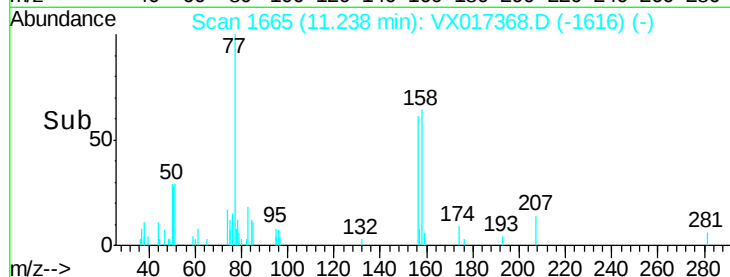
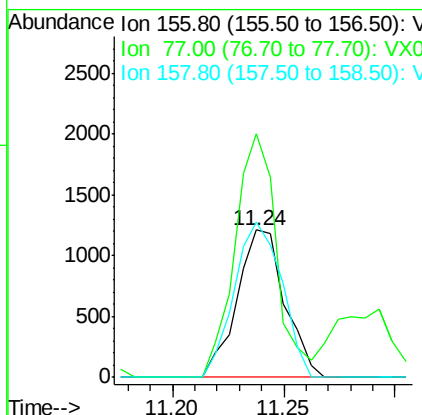
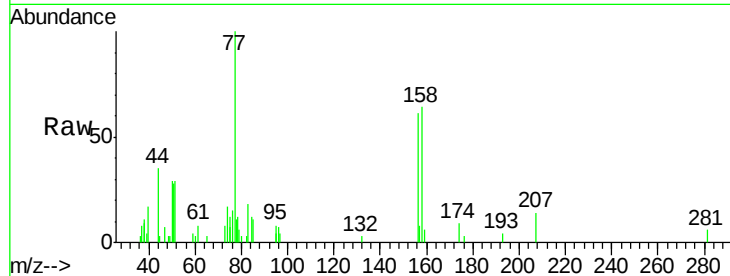
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.4	72.1	216.3
158	105.0	47.4	142.3

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7/15/2020 11:43:40 AM



#78

n-propylbenzene

Concen: 0.426 ug/l

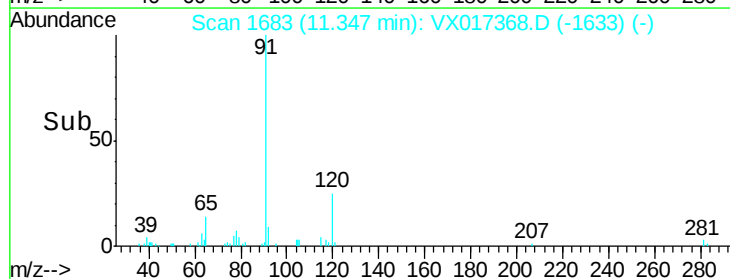
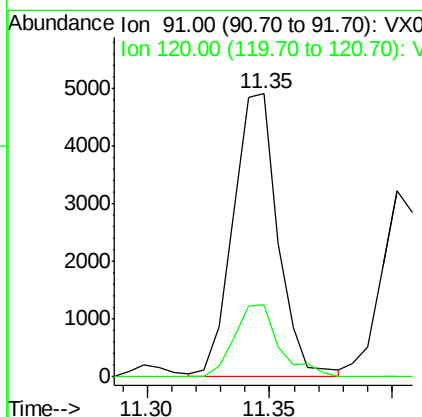
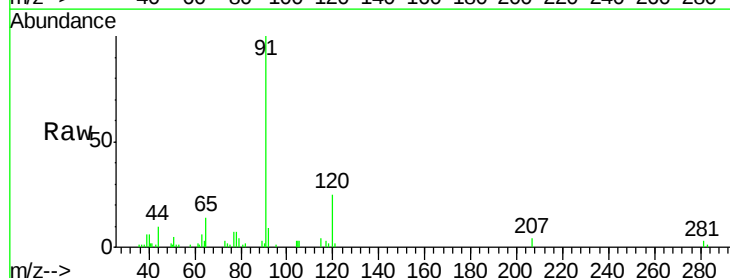
RT: 11.35 min Scan# 1683

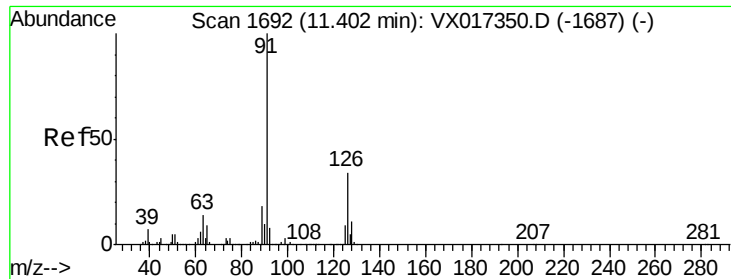
Delta R.T. 0.01 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.4	11.9	35.9





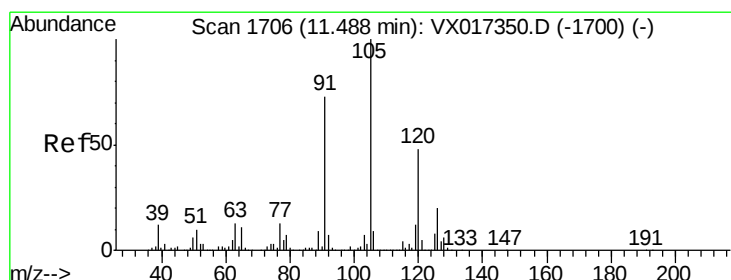
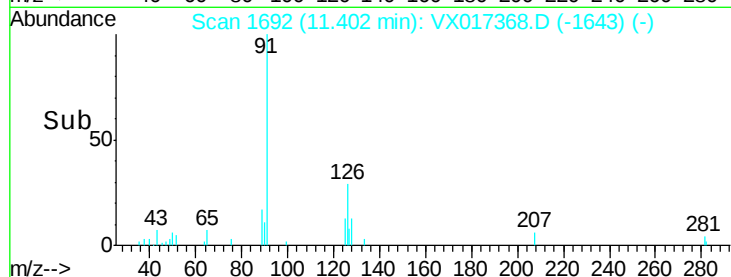
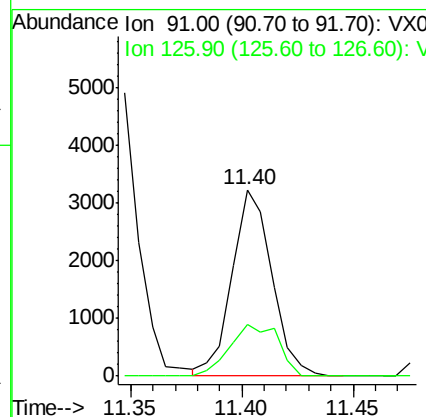
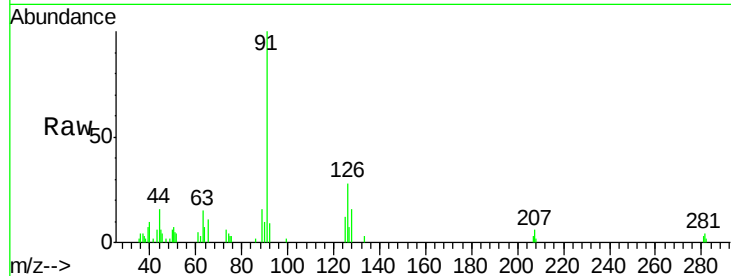
#79
 2-Chlorotoluene
 Concen: 0.446 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 4046
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.4 52.3

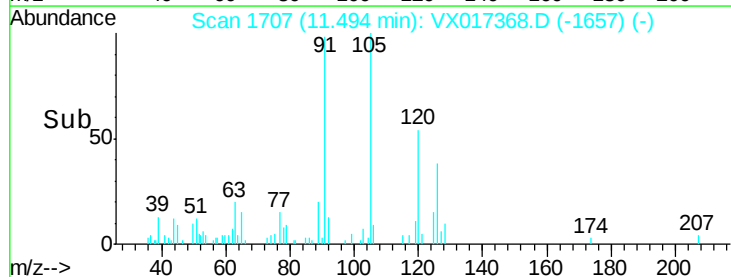
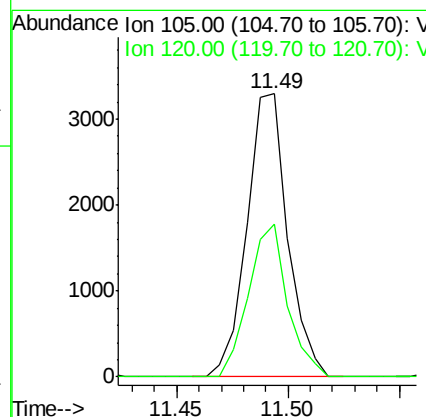
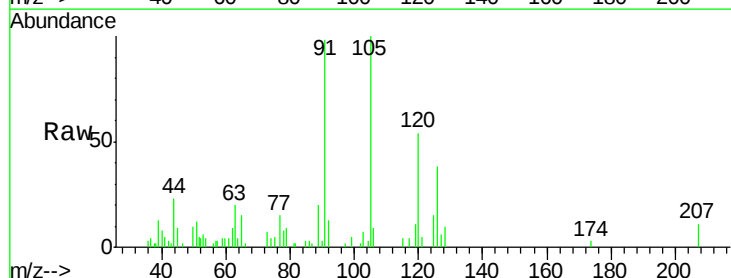
Manual Integrations
 APPROVED

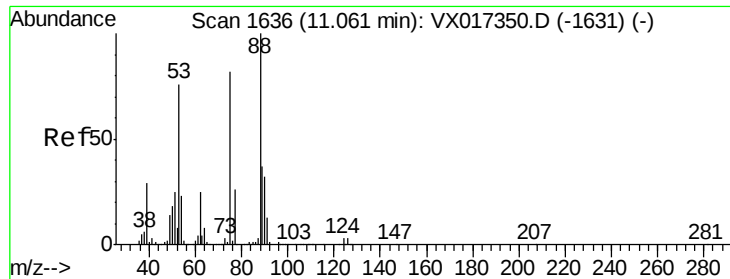
MMDadoda
 7/15/2020 11:43:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.379 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion: 105 Resp: 4214
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.437 ug/l m

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

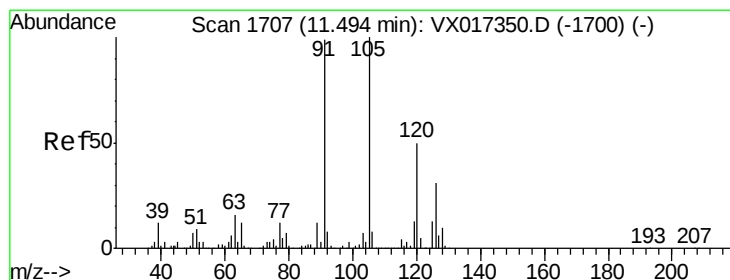
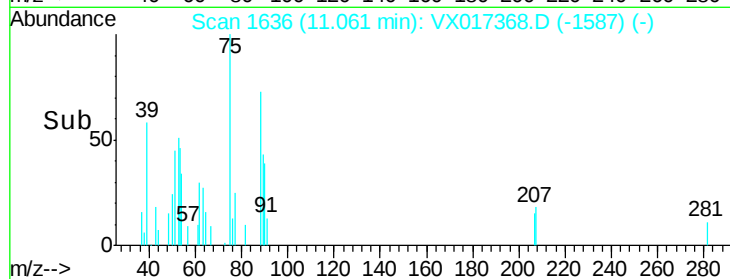
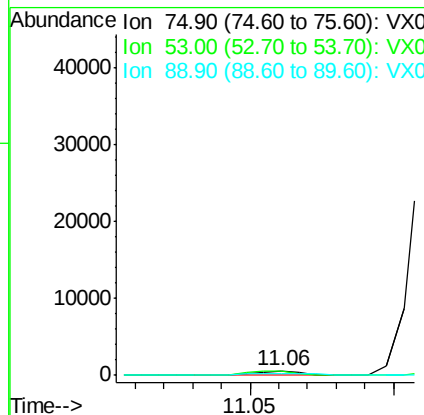
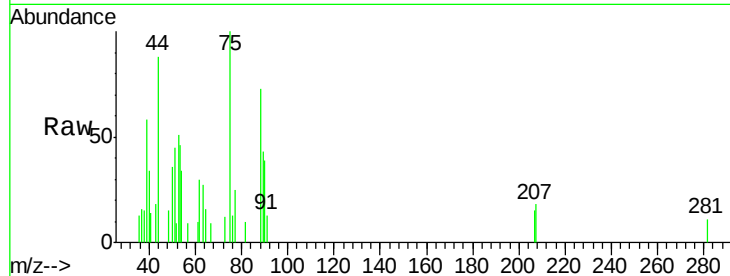
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	57.3	76.5	114.7#
89	0.0	38.1	57.1#

Manual Integrations
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MMDadoda
7/15/2020 11:43:40 AM



#82

4-Chlorotoluene

Concen: 0.428 ug/l

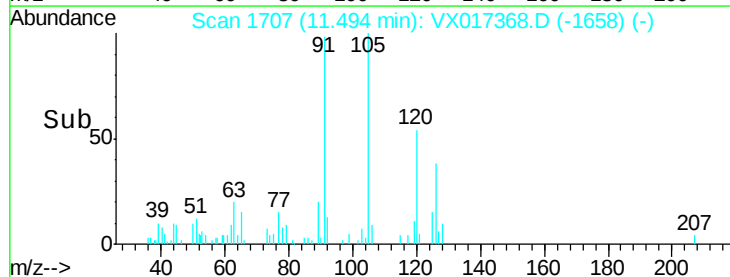
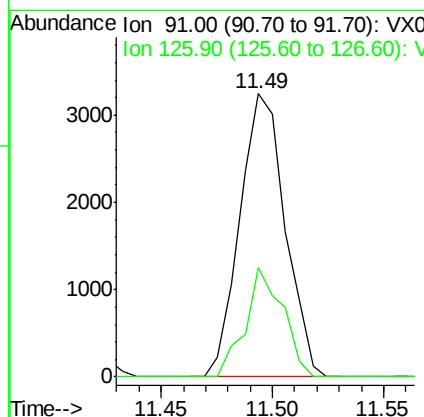
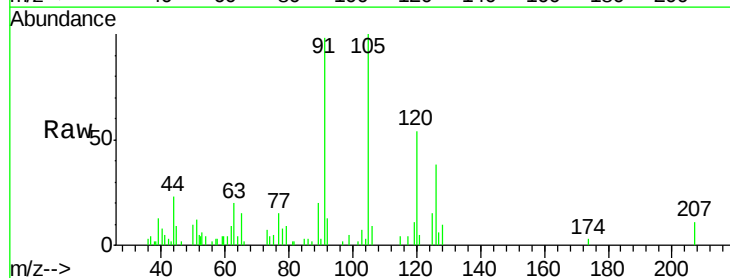
RT: 11.49 min Scan# 1707

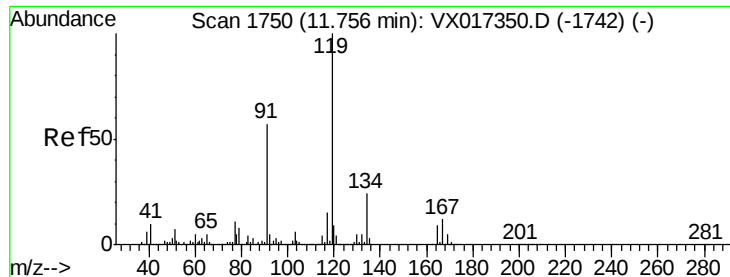
Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.4	46.2





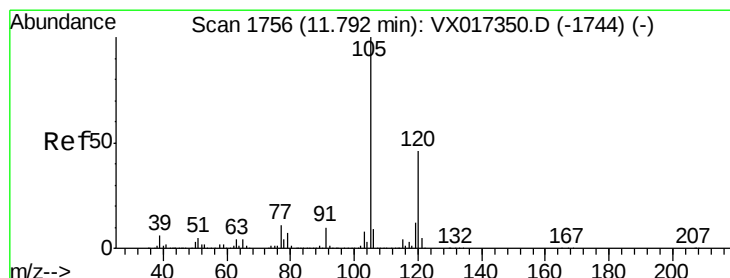
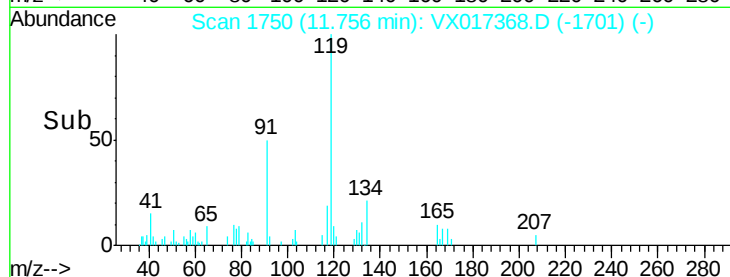
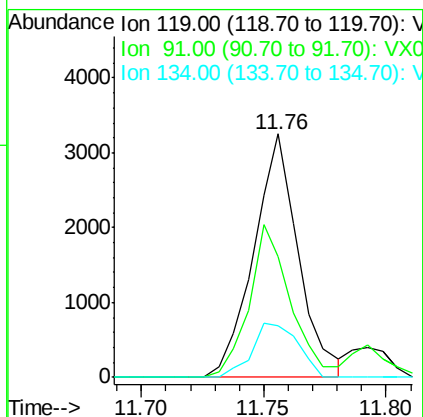
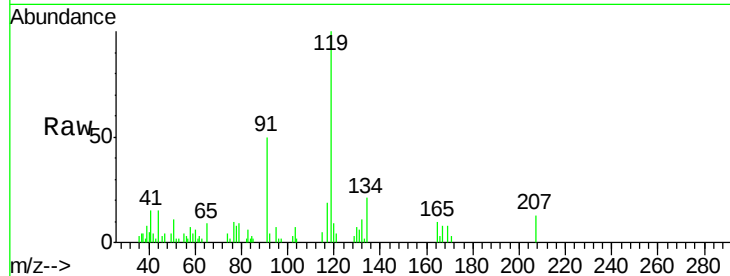
#83
tert-Butylbenzene
Concen: 0.382 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	28.5	85.6
134	22.9	11.9	35.9

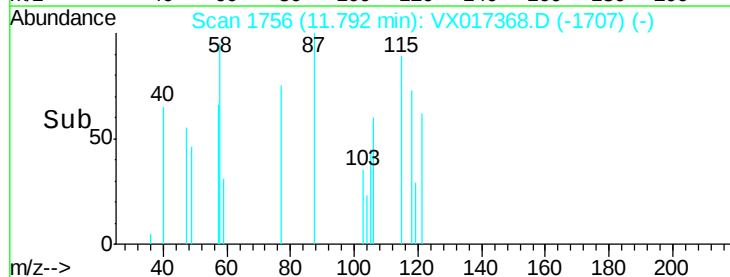
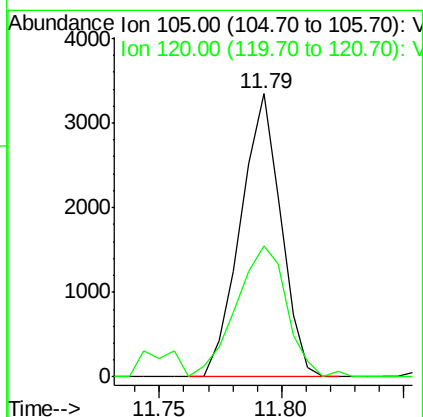
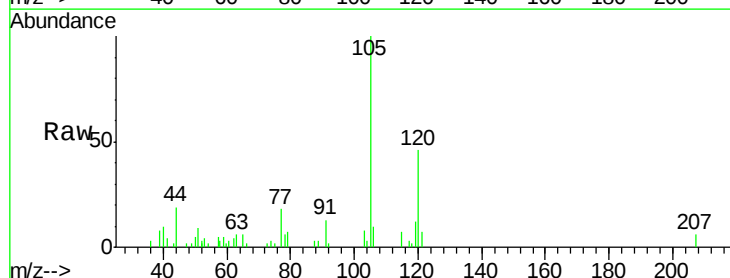
Manual Integrations
APPROVED

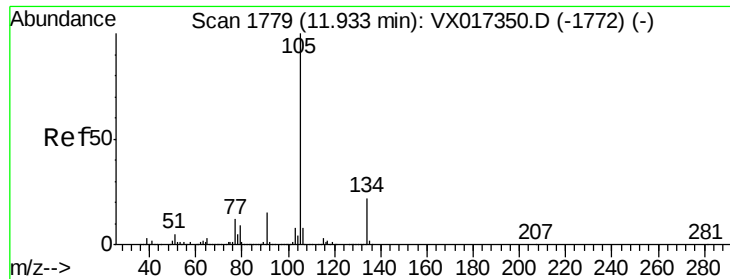
MMDadoda
7/15/2020 11:43:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.343 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	58.0	22.8	68.4





#85

sec-Butylbenzene

Concen: 0.359 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 4522

Ion Ratio Lower Upper

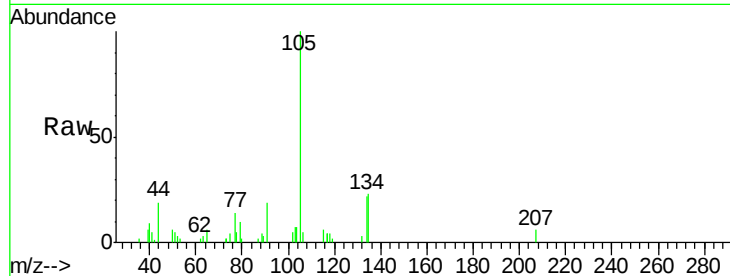
105 100

134 32.3 10.5 31.5#

Manual Integrations
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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

4000

3000

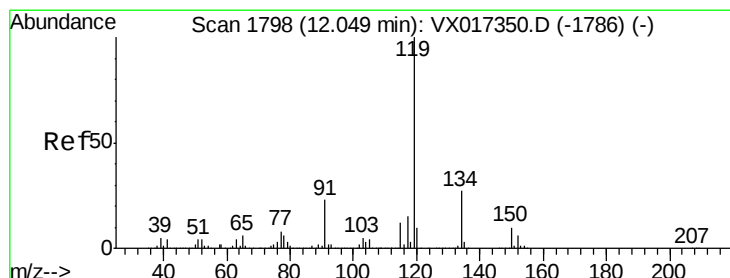
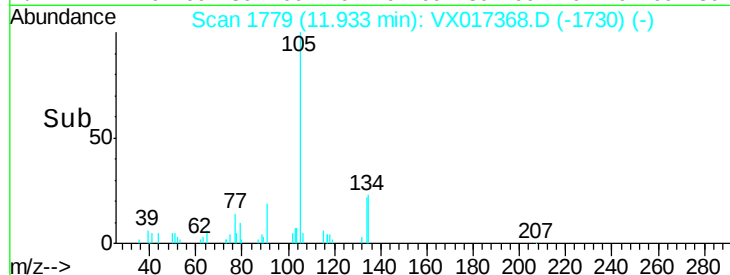
2000

1000

0

Time-->

11.90 11.95



#86

p-Isopropyltoluene

Concen: 0.364 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017368.D

Acq: 14 Jul 2020 11:03

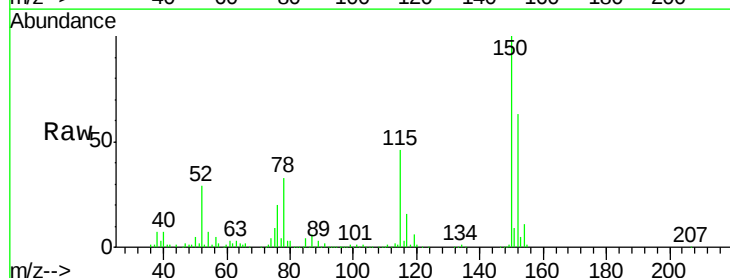
Tgt Ion:119 Resp: 4334

Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.5

91 41.3 11.8 35.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

5000

4000

3000

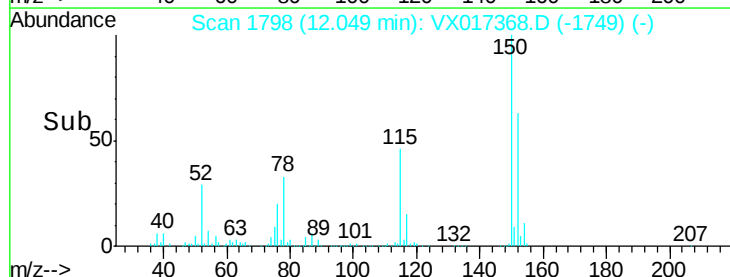
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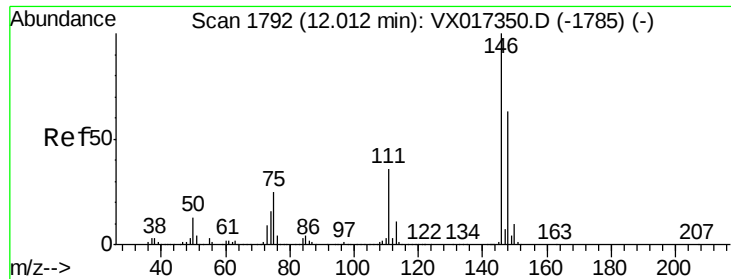
1000

0

Time-->

12.00 12.05 12.10





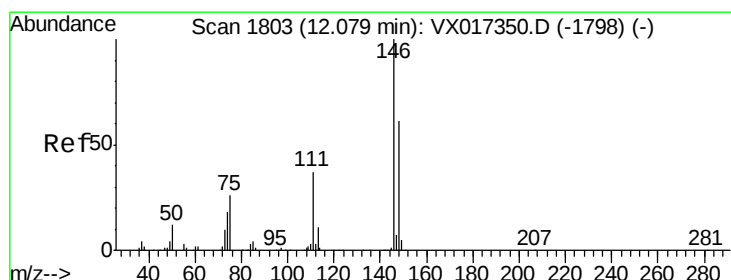
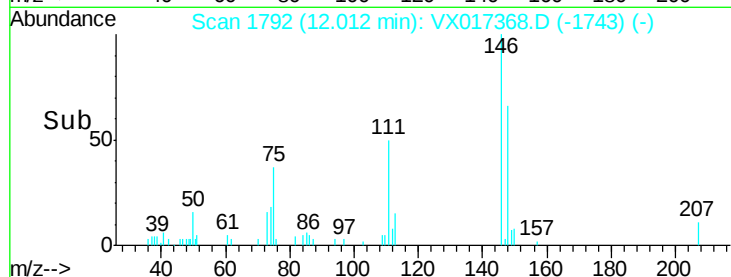
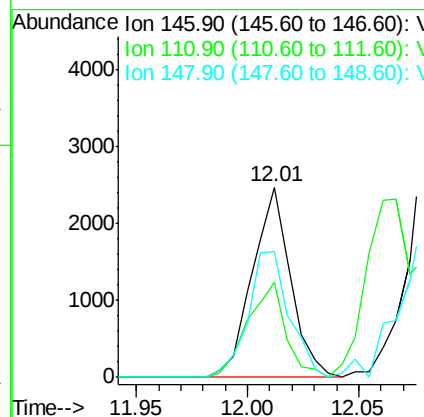
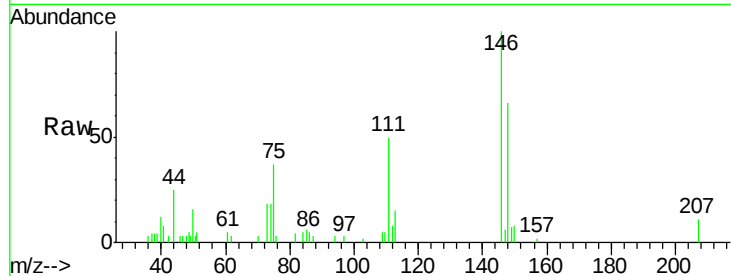
#87
 1,3-Dichlorobenzene
 Concen: 0.444 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.5	19.2	57.6
148	70.8	31.6	95.0

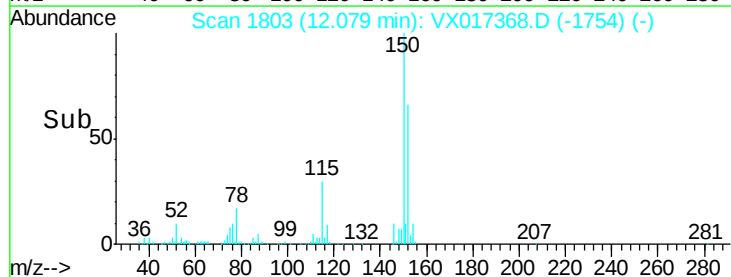
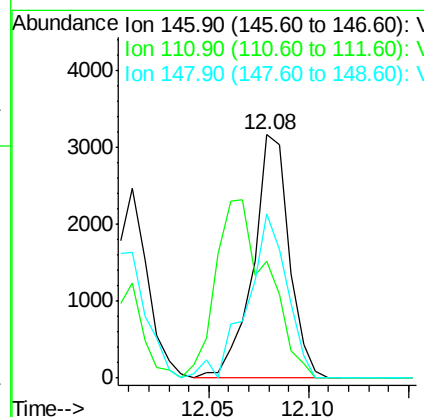
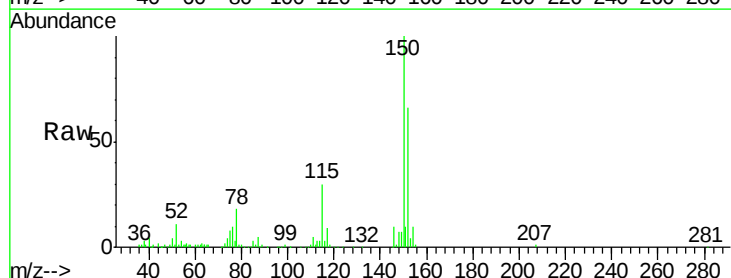
Manual Integrations
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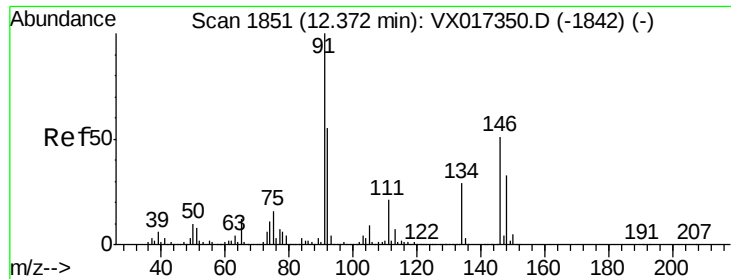
MMDadoda
 7/15/2020 11:43:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.590 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017368.D
 Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.9
148	52.8	31.9	95.9





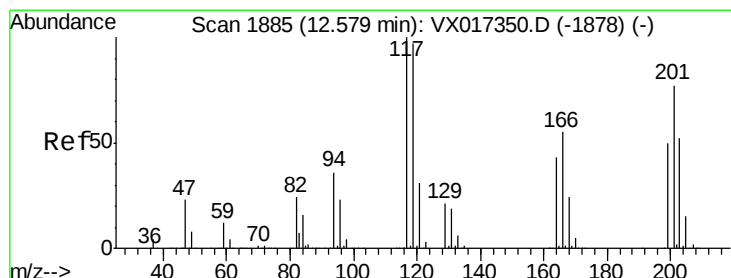
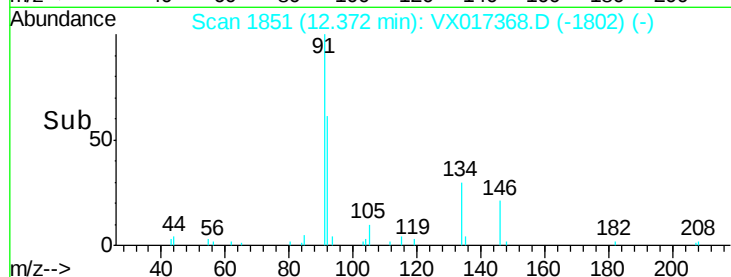
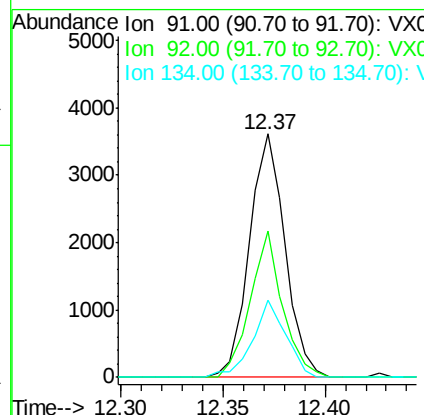
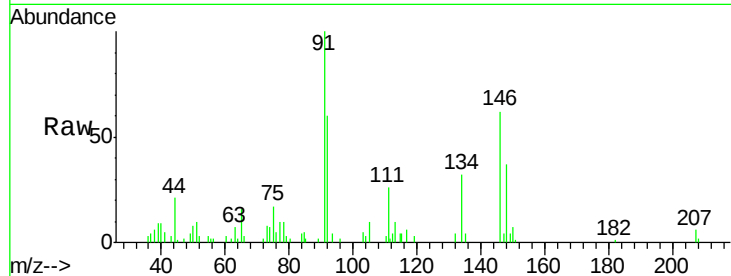
#89
n-Butylbenzene
Concen: 0.430 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	81.0
134	29.8	14.1	42.2

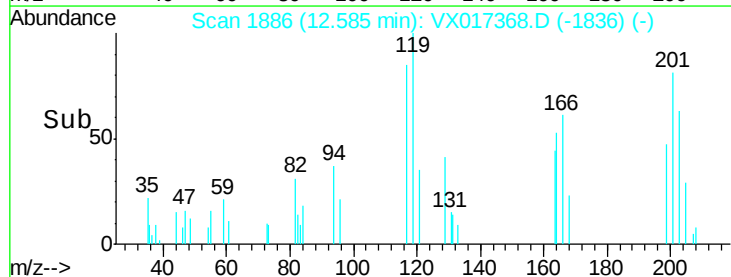
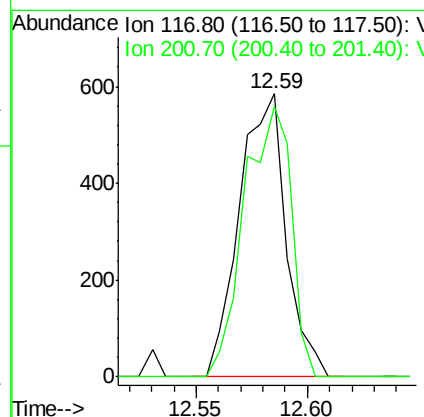
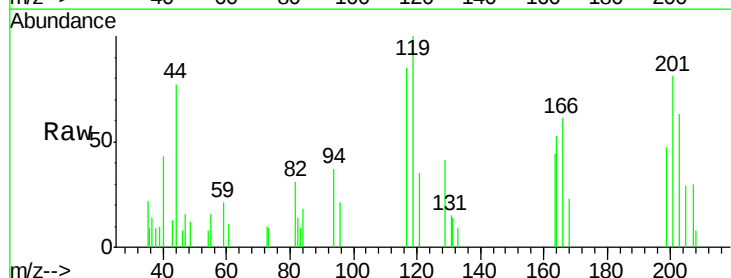
Manual Integrations
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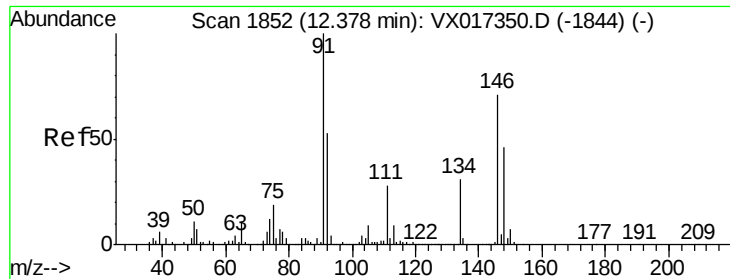
MMDadoda
7/15/2020 11:43:40 AM



#90
Hexachloroethane
Concen: 0.377 ug/l
RT: 12.59 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.1	41.0	123.0





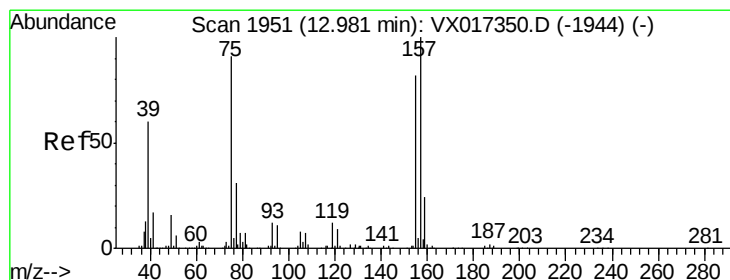
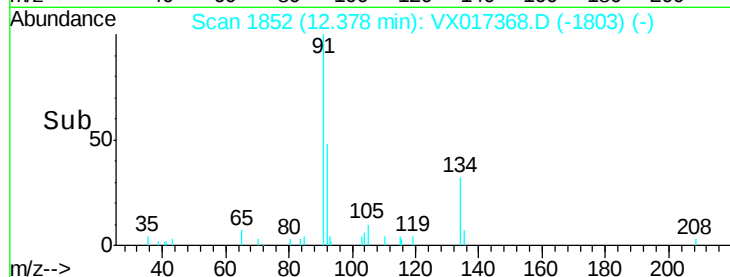
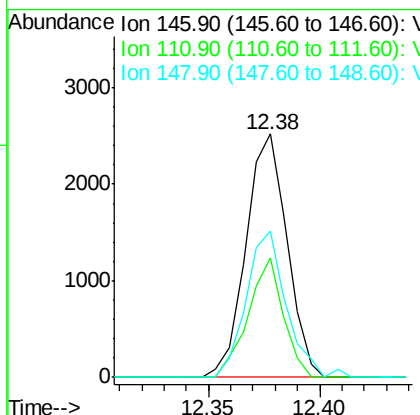
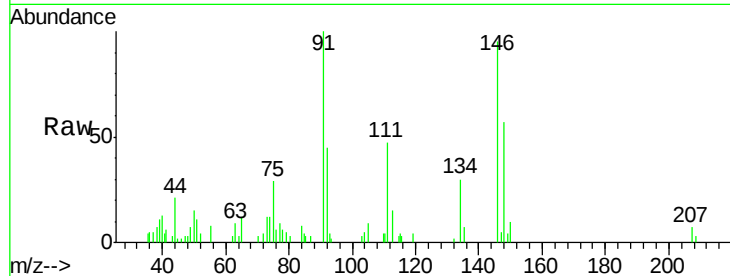
#91
1,2-Dichlorobenzene
Concen: 0.516 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	58.9	32.0	96.0

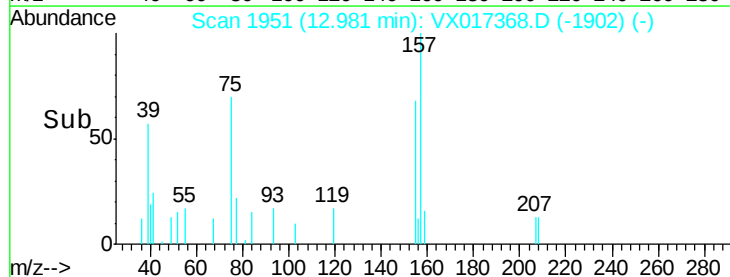
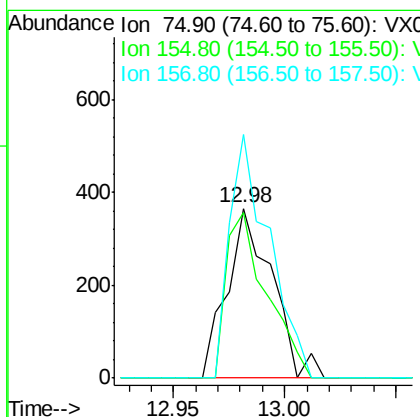
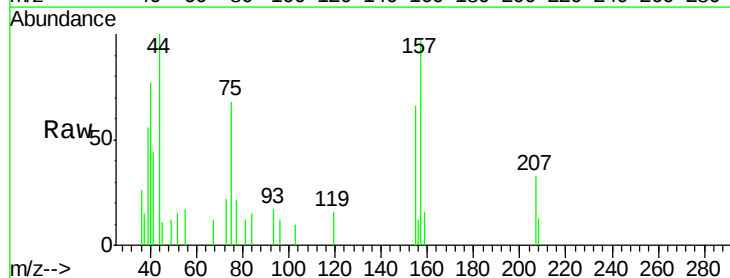
Manual Integrations
APPROVED

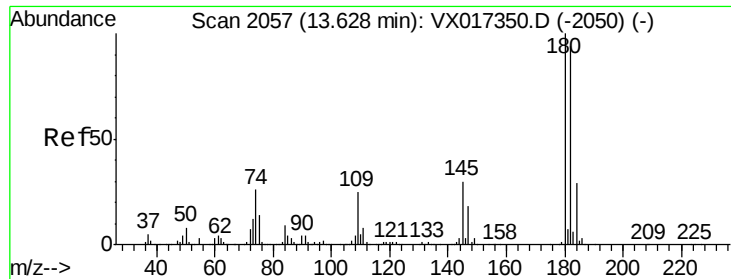
MMDadoda
7/15/2020 11:43:40 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.489 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	46.5	139.3
157	126.1	58.0	173.9





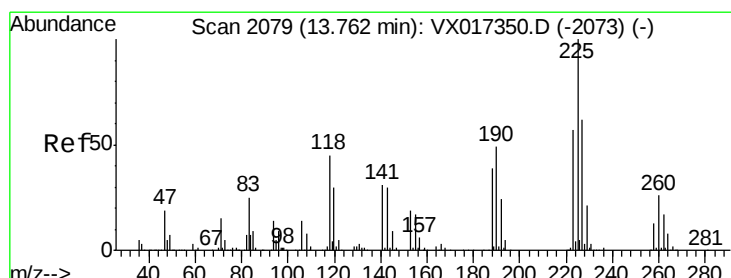
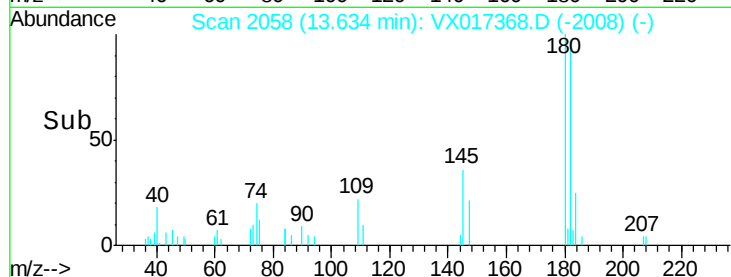
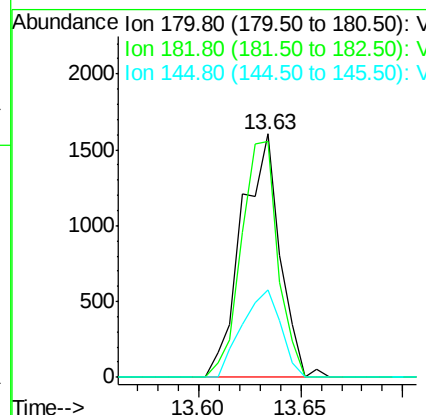
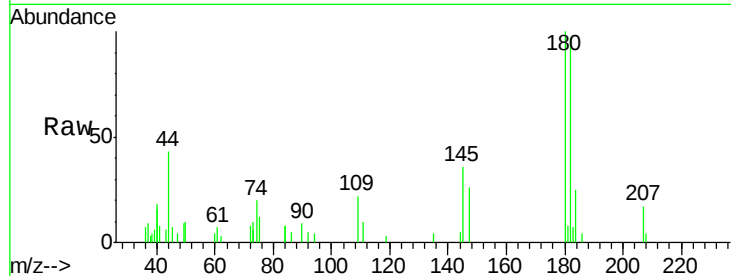
#93
1,2,4-Trichlorobenzene
Concen: 0.481 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	48.4	145.0
145	36.4	15.3	45.8

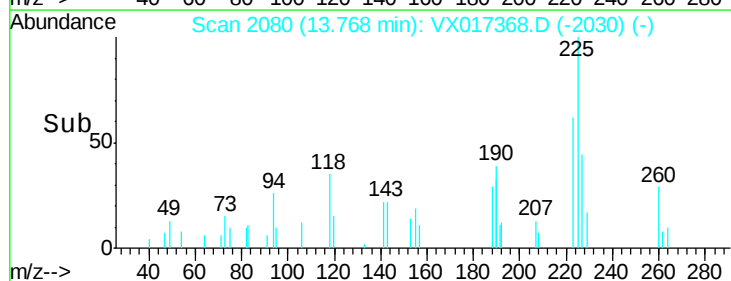
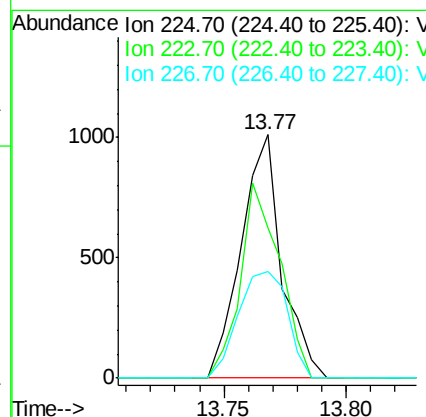
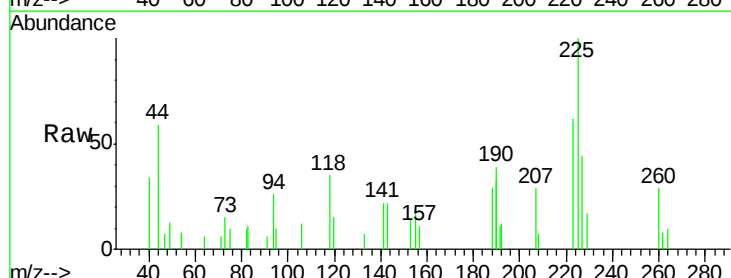
Manual Integrations
APPROVED

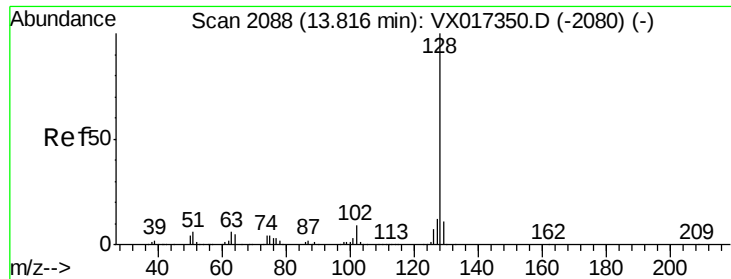
MMDadoda
7/15/2020 11:43:40 AM



#94
Hexachlorobutadiene
Concen: 0.657 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	77.7	31.3	93.8
227	53.1	31.6	95.0





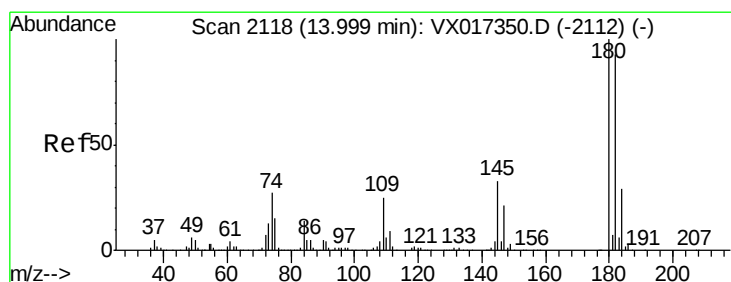
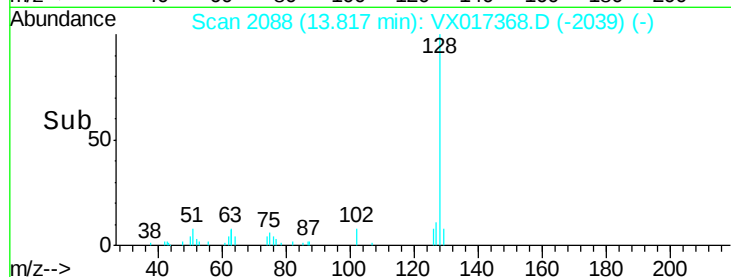
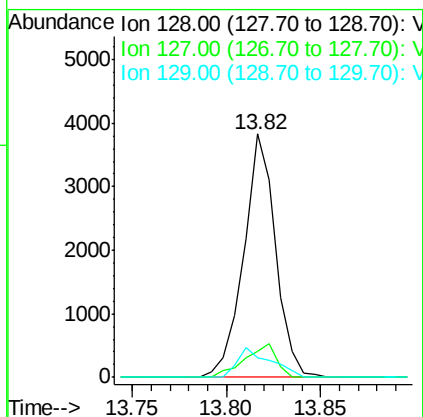
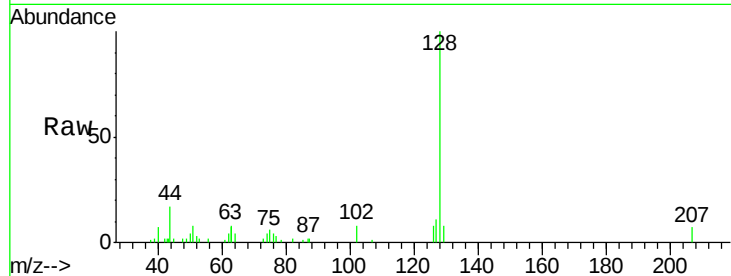
#95
Naphthalene
Concen: 0.351 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	12.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2020 11:43:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.450 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017368.D
Acq: 14 Jul 2020 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.8	146.3
145	36.9	16.6	49.7

