

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019138.D
 Acq On : 27 Oct 2020 16:04
 Operator : JC/MD
 Sample : L4214-09 .2PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:32:58 PM

Quant Time: Oct 28 08:18:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	473763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199433	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	174683	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	5.46	113	137349	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	8.70	98	528228	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.12	95	192575	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	561	0.236	ug/l	83
3) Chloromethane	1.31	50	867	0.326	ug/l	91
4) Vinyl Chloride	1.39	62	863	0.280	ug/l	89
6) Chloroethane	1.71	64	497	0.252	ug/l #	73
7) Trichlorofluoromethane	1.92	101	1104	0.228	ug/l	88
8) Diethyl Ether	2.17	74	477	0.256	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.37	101	598	0.223	ug/l	96
12) 1,1-Dichloroethene	2.36	96	879	0.318	ug/l #	64
14) Allyl chloride	2.71	41	1208	0.288	ug/l	94
15) Acrylonitrile	3.12	53	1977	1.293	ug/l #	93
16) Acetone	2.43	43	2338	1.840	ug/l	94
17) Carbon Disulfide	2.55	76	4672	0.555	ug/l #	91
18) Methyl Acetate	2.75	43	735	0.238	ug/l #	72
19) Methyl tert-butyl Ether	3.16	73	1931	0.201	ug/l #	84
20) Methylene Chloride	2.83	84	1072	0.336	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	985	0.309	ug/l	86
22) Diisopropyl ether	3.82	45	1931	0.231	ug/l #	83
23) Vinyl Acetate	3.78	43	8412	1.129	ug/l	95
24) 1,1-Dichloroethane	3.67	63	1120	0.215	ug/l #	81
25) 2-Butanone	4.64	43	2632	1.315	ug/l #	84
26) 2,2-Dichloropropane	4.55	77	1094	0.223	ug/l	86
27) cis-1,2-Dichloroethene	4.56	96	997	0.280	ug/l	89
28) Bromochloromethane	4.98	49	679	0.286	ug/l #	83
29) Tetrahydrofuran	5.10	42	1802	1.428	ug/l #	81
30) Chloroform	5.17	83	1314	0.237	ug/l #	83
32) 1,1,1-Trichloroethane	5.45	97	1092	0.217	ug/l #	47
36) 1,1-Dichloropropene	5.77	75	1363	0.312	ug/l #	73
37) Ethyl Acetate	4.81	43	928	0.228	ug/l #	68
38) Carbon Tetrachloride	5.76	117	1156	0.259	ug/l #	61
39) Methylcyclohexane	7.43	83	1178	0.225	ug/l	94
40) Benzene	6.10	78	2943	0.237	ug/l	99
42) 1,2-Dichloroethane	6.15	62	1509	0.330	ug/l	86
43) Isopropyl Acetate	6.41	43	1745	0.257	ug/l #	78
44) Trichloroethene	7.18	130	1083	0.305	ug/l	92

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Manual Integrations
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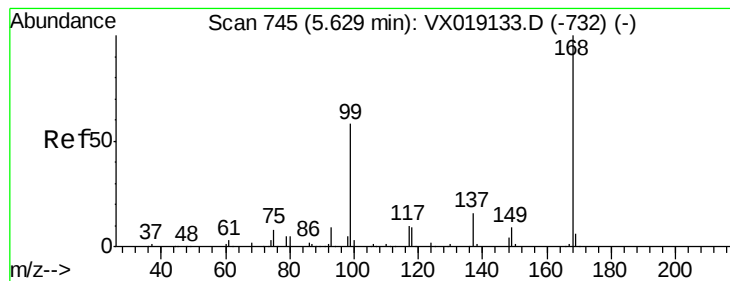
MMDadoda
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Quant Time: Oct 28 08:18:34 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,2-Dichloropropane	7.49	63	706	0.232	ug/l #	87
46) Dibromomethane	7.63	93	633	0.282	ug/l	95
47) Bromodichloromethane	7.87	83	899	0.203	ug/l #	96
48) Methyl methacrylate	7.75	41	918	0.280	ug/l #	84
49) 1,4-Dioxane	7.75	88	293	4.025	ug/l #	86
51) 4-Methyl-2-Pentanone	8.62	43	3979	1.018	ug/l	98
52) Toluene	8.77	92	2047	0.256	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	1240	0.245	ug/l #	75
54) cis-1,3-Dichloropropene	8.41	75	1339	0.252	ug/l #	91
55) 1,1,2-Trichloroethane	9.20	97	645	0.204	ug/l #	92
57) 1,3-Dichloropropane	9.35	76	1242	0.233	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	4897	1.837	ug/l	99
59) 2-Hexanone	9.47	43	3032	1.019	ug/l	93
60) Dibromochloromethane	9.56	129	701	0.205	ug/l	97
61) 1,2-Dibromoethane	9.65	107	896	0.265	ug/l	90
64) Tetrachloroethene	9.32	164	980	0.305	ug/l	87
65) Chlorobenzene	10.12	112	2239	0.260	ug/l	100
67) Ethyl Benzene	10.23	91	3676	0.239	ug/l	97
68) m/p-Xylenes	10.34	106	2533	0.439	ug/l	96
69) o-Xylene	10.68	106	1263	0.231	ug/l	90
70) Styrene	10.70	104	2202	0.236	ug/l	98
71) Bromoform	10.84	173	504	0.205	ug/l #	93
73) Isopropylbenzene	11.00	105	3018	0.214	ug/l	96
74) N-amyl acetate	10.88	43	1477	0.286	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.25	83	1036	0.235	ug/l #	81
76) 1,2,3-Trichloropropane	11.28	75	892m	0.217	ug/l	
77) Bromobenzene	11.24	156	992	0.283	ug/l	91
78) n-propylbenzene	11.34	91	4019	0.249	ug/l	97
79) 2-Chlorotoluene	11.40	91	2500	0.264	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	2692	0.226	ug/l	96
82) 4-Chlorotoluene	11.49	91	3507	0.303	ug/l	97
83) tert-Butylbenzene	11.76	119	2594	0.227	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2655	0.221	ug/l	93
85) sec-Butylbenzene	11.93	105	2950	0.215	ug/l	98
86) p-Isopropyltoluene	12.05	119	2958	0.234	ug/l #	74
87) 1,3-Dichlorobenzene	12.01	146	2053	0.315	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	2688m	0.396	ug/l	
89) n-Butylbenzene	12.37	91	2976	0.250	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1644	0.262	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.98	75	224	0.207	ug/l	84
93) 1,2,4-Trichlorobenzene	13.63	180	1596	0.339	ug/l	95
94) Hexachlorobutadiene	13.77	225	512	0.247	ug/l	84
95) Naphthalene	13.82	128	4112	0.277	ug/l	97
96) 1,2,3-Trichlorobenzene	14.00	180	1315	0.288	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

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Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 285553

Ion Ratio Lower Upper

168 100

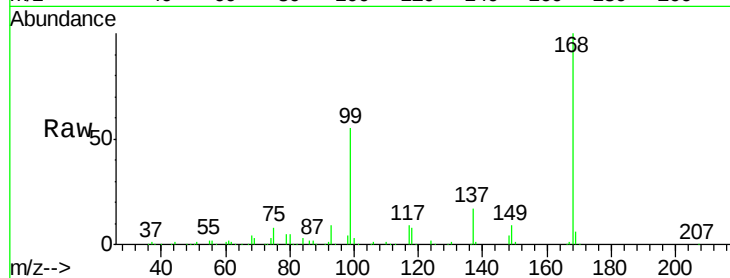
99 55.3 46.6 69.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

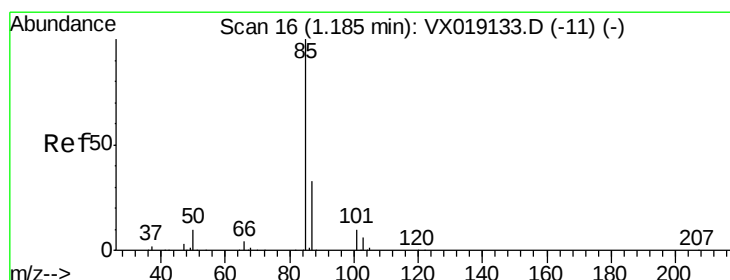
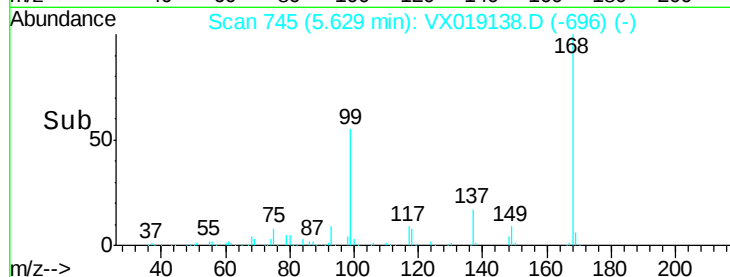
40000

20000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.236 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019138.D

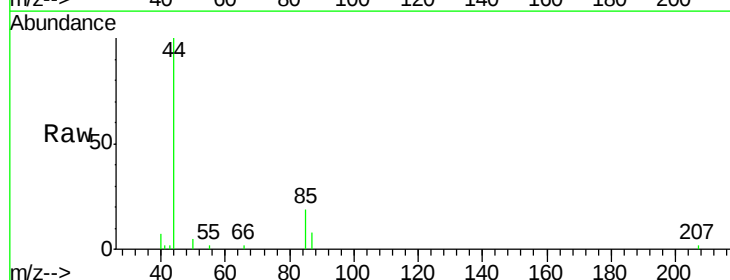
Acq: 27 Oct 2020 16:04

Tgt Ion: 85 Resp: 561

Ion Ratio Lower Upper

85 100

87 42.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

600

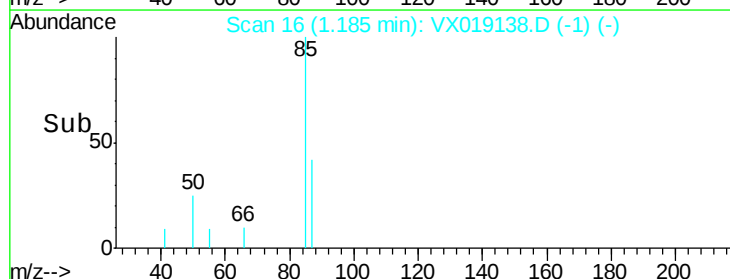
400

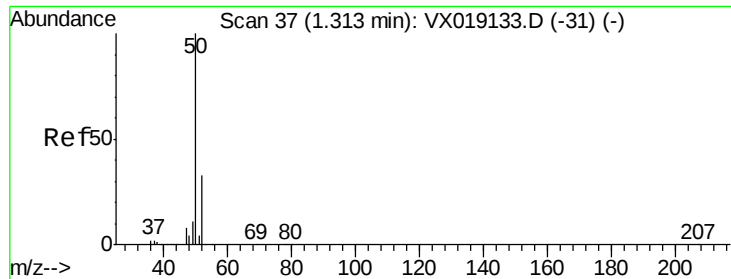
200

0

1.14 1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: 0.326 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 867

Ion Ratio Lower Upper

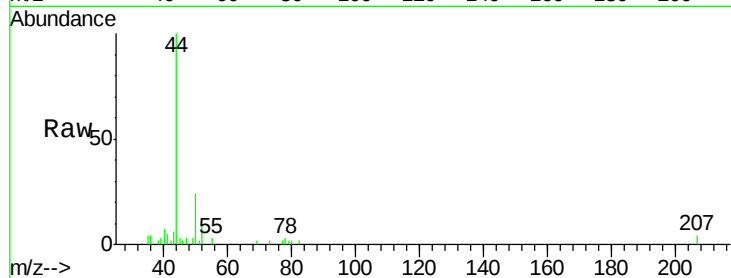
50 100

52 38.6 26.8 40.2

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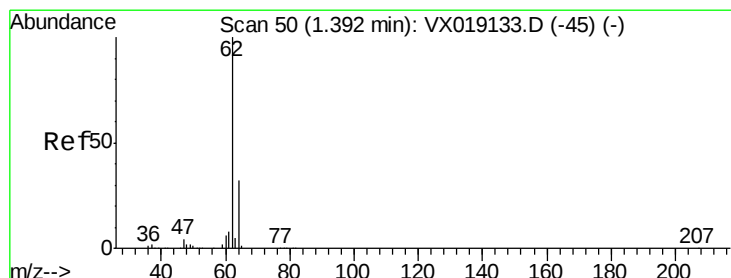
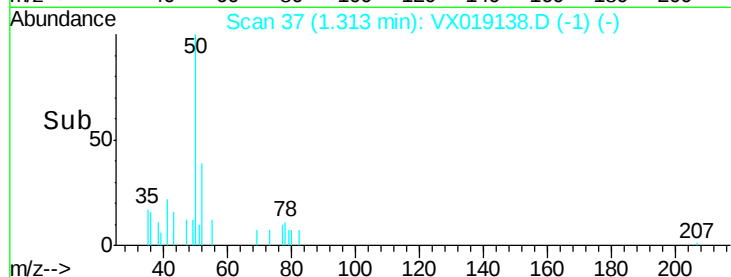
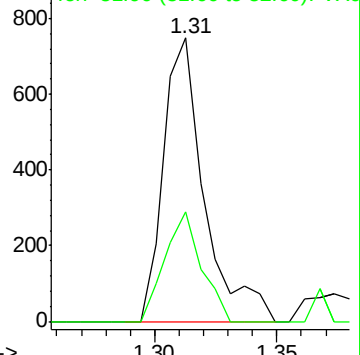
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.280 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019138.D

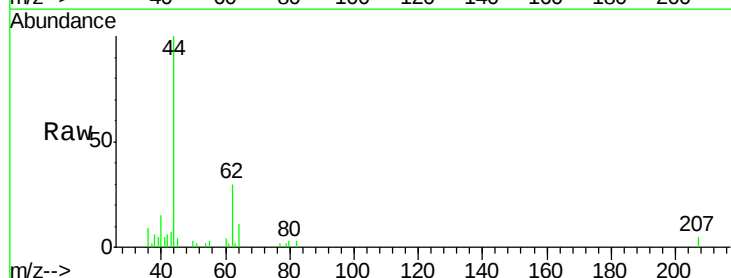
Acq: 27 Oct 2020 16:04

Tgt Ion: 62 Resp: 863

Ion Ratio Lower Upper

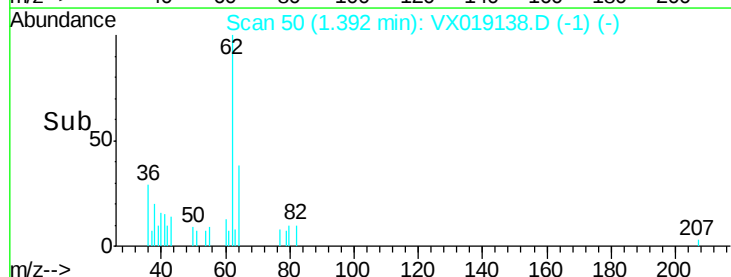
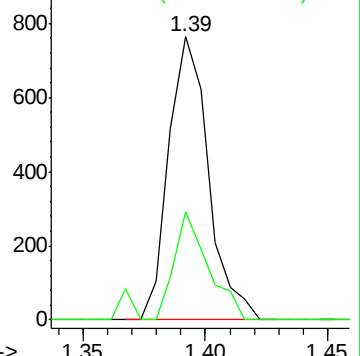
62 100

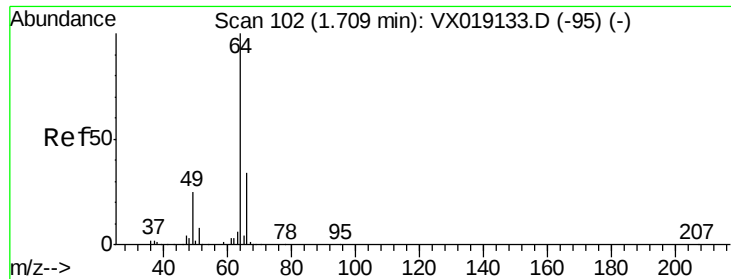
64 38.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.252 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 64 Resp: 497

Ion Ratio Lower Upper

64 100

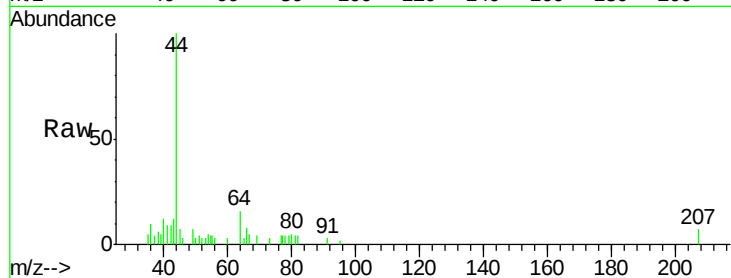
66 49.3 27.1 40.7#

Manual Integrations

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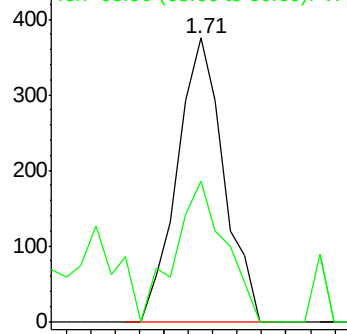
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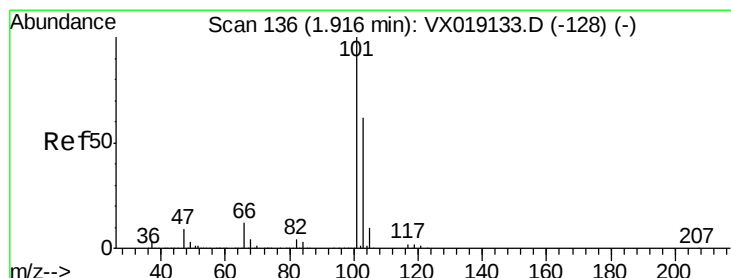
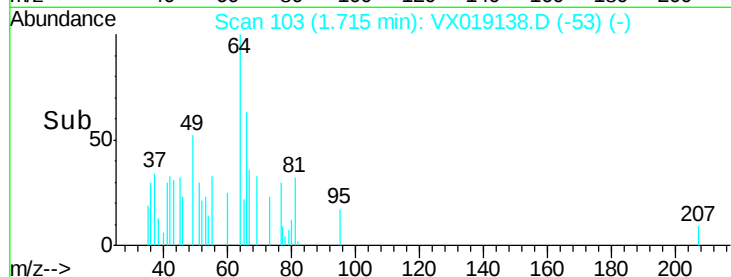


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#7

Trichlorofluoromethane

Concen: 0.228 ug/l

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019138.D

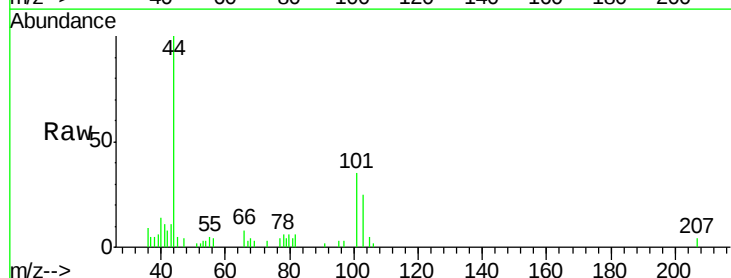
Acq: 27 Oct 2020 16:04

Tgt Ion: 101 Resp: 1104

Ion Ratio Lower Upper

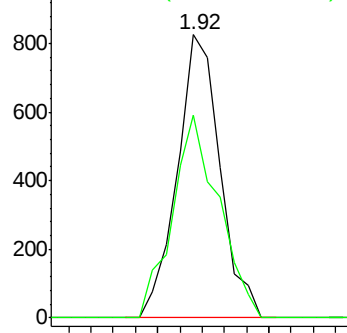
101 100

103 71.5 50.0 75.0

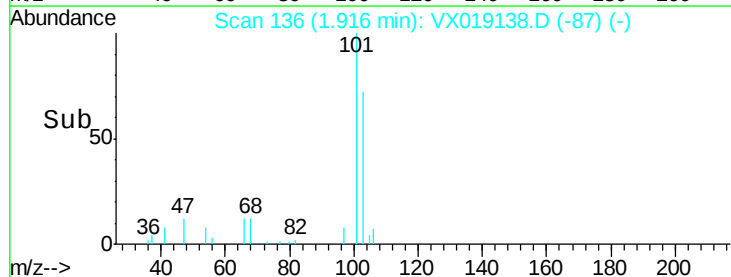


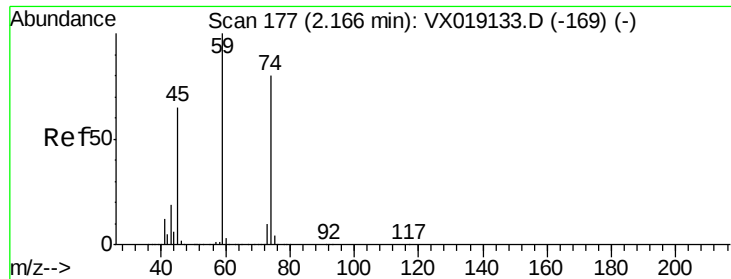
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->





#8

Diethyl Ether

Concen: 0.256 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 74 Resp: 477

Ion Ratio Lower Upper

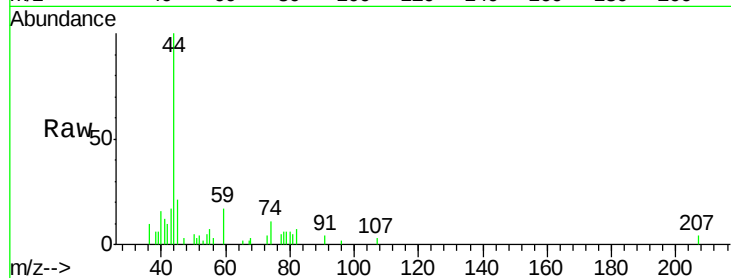
74 100

45 100.4 41.0 123.0

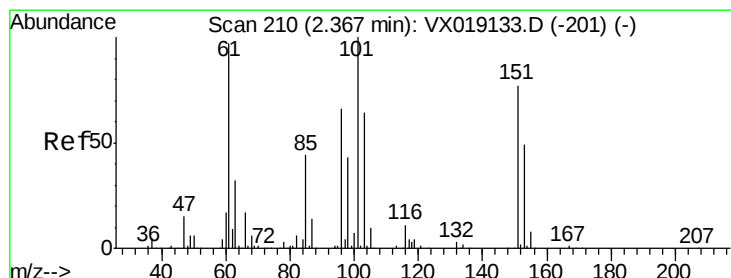
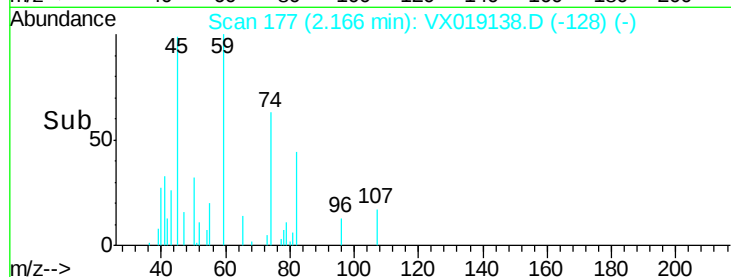
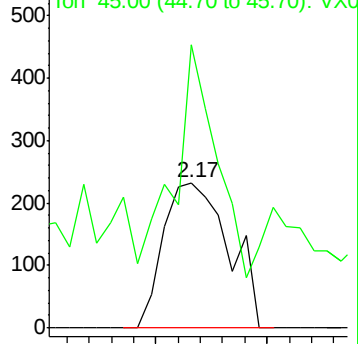
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Abundance Ion 74.00 (73.70 to 74.70): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.223 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

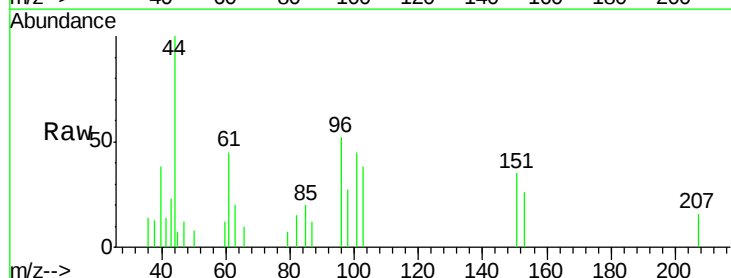
Tgt Ion: 101 Resp: 598

Ion Ratio Lower Upper

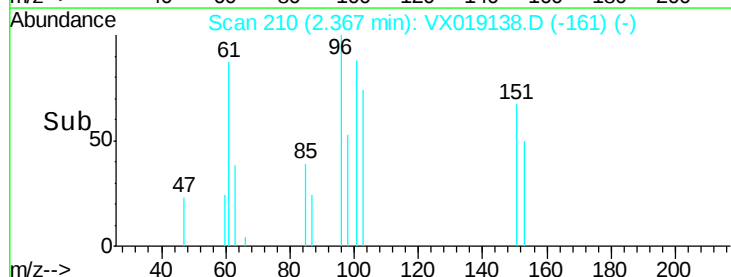
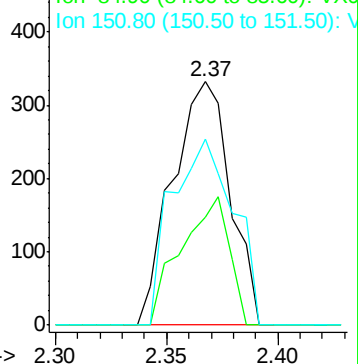
101 100

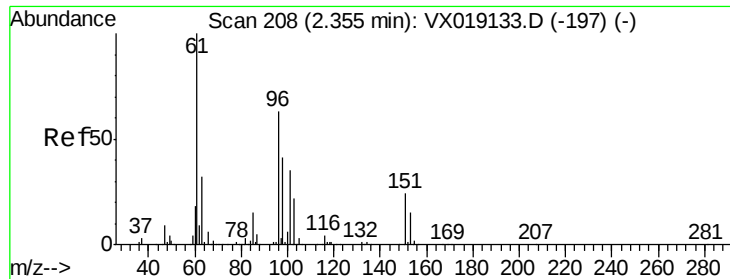
85 43.8 35.0 52.4

151 81.8 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V





#12

1,1-Dichloroethene

Concen: 0.318 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

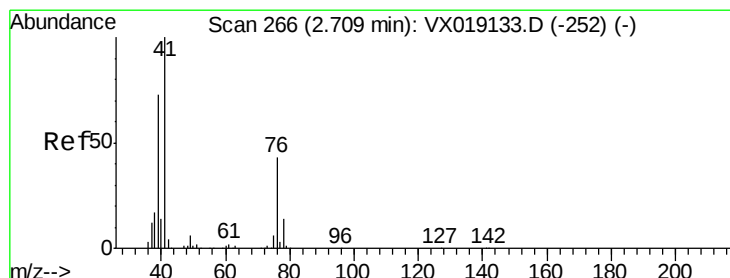
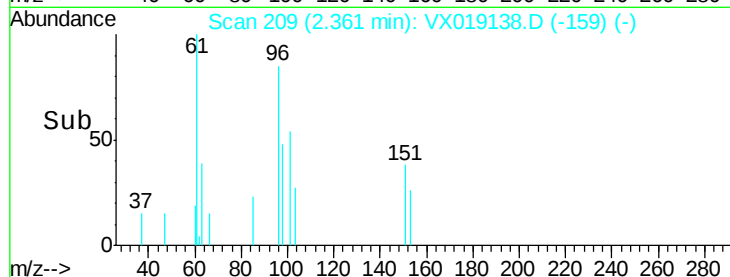
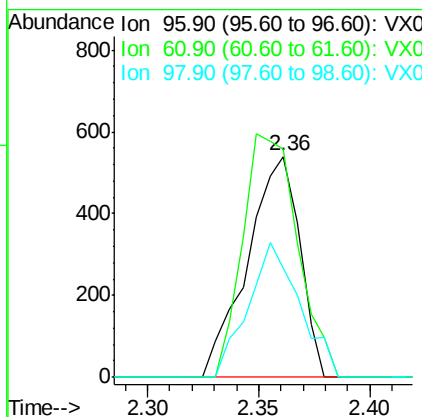
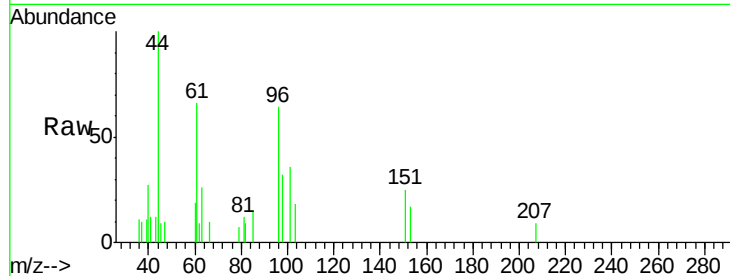
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	96	Resp:	879
Ion	Ratio	Lower	Upper
96	100		
61	103.3	127.7	191.5#
98	49.5	52.1	78.1#

Manual Integrations
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#14

Allyl chloride

Concen: 0.288 ug/l

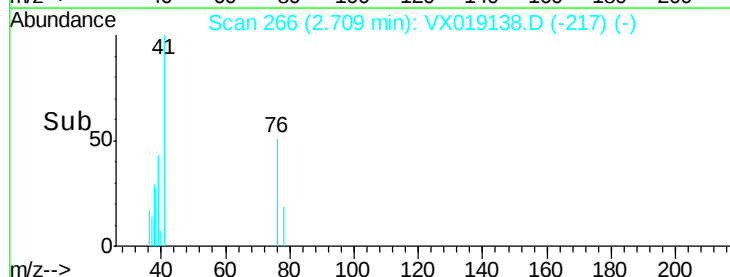
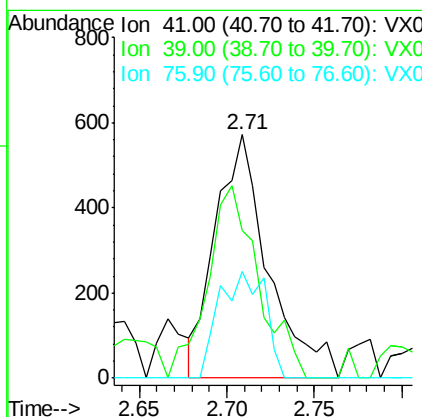
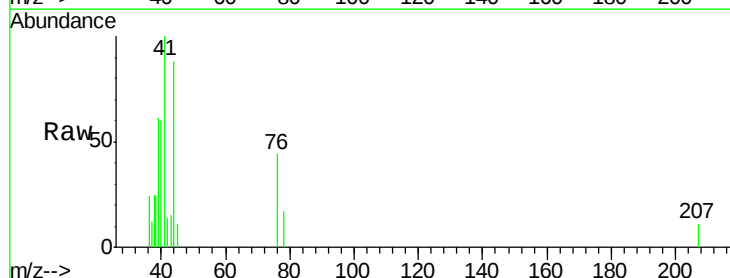
RT: 2.71 min Scan# 266

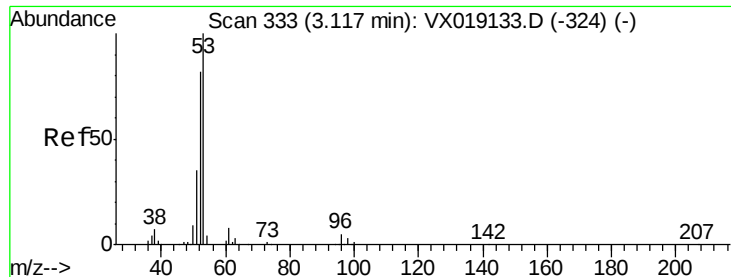
Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	41	Resp:	1208
Ion	Ratio	Lower	Upper
41	100		
39	75.8	55.2	82.8
76	37.9	31.5	47.3





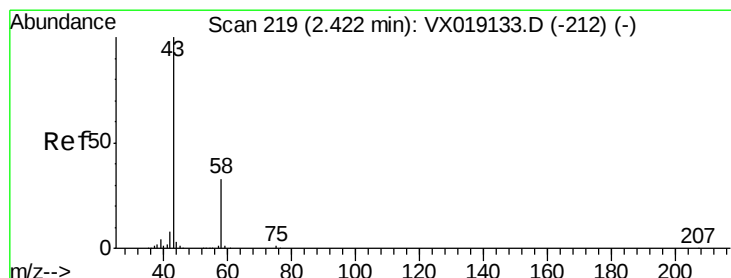
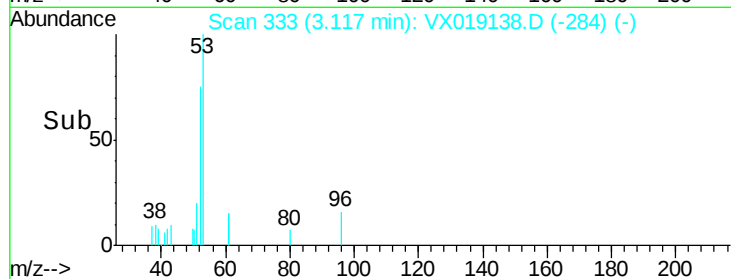
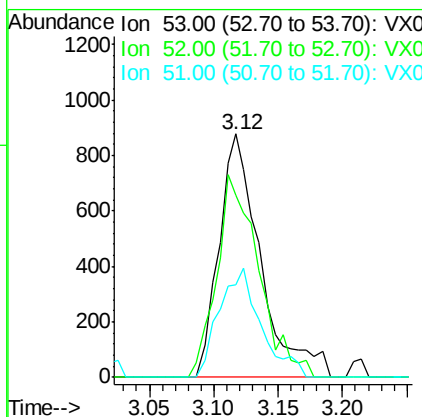
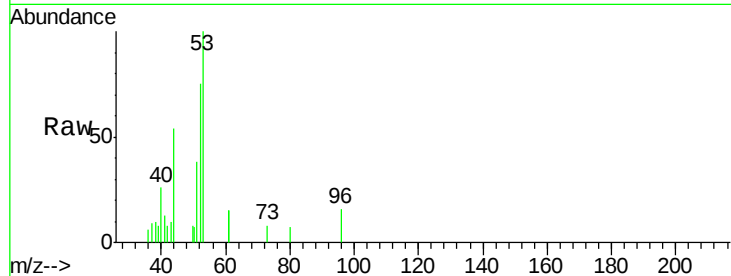
#15
 Acrylonitrile
 Concen: 1.293 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.7	98.5
51	45.0	28.4	42.6

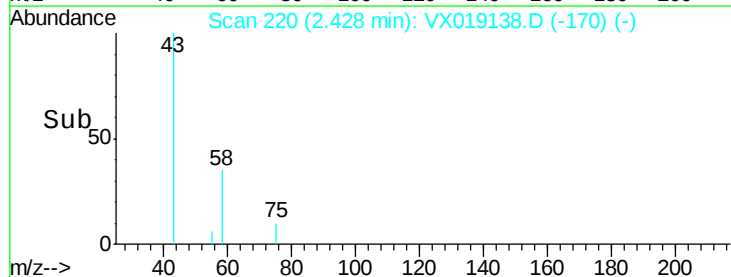
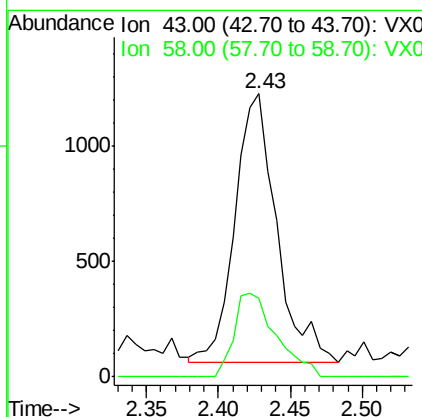
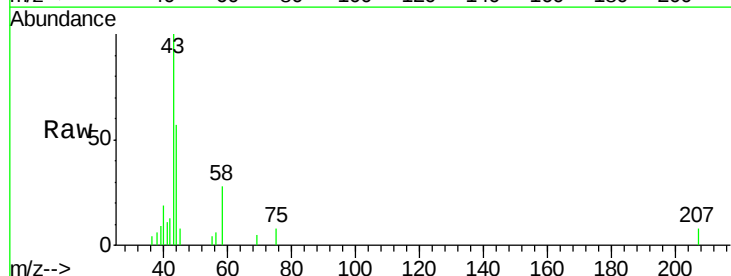
Manual Integrations
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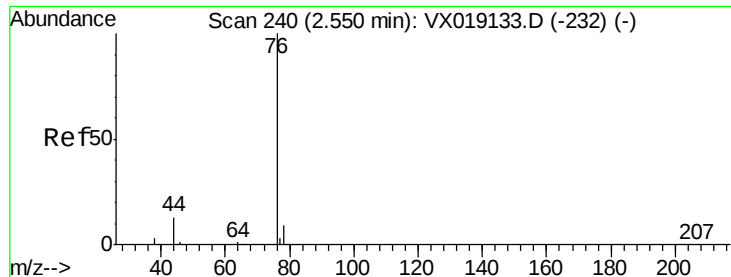
MMDadoda
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#16
 Acetone
 Concen: 1.840 ug/l
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.4	26.3	39.5





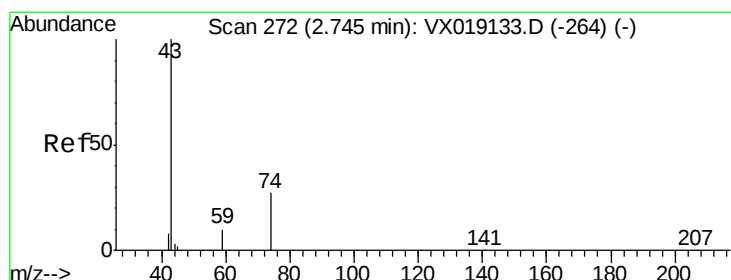
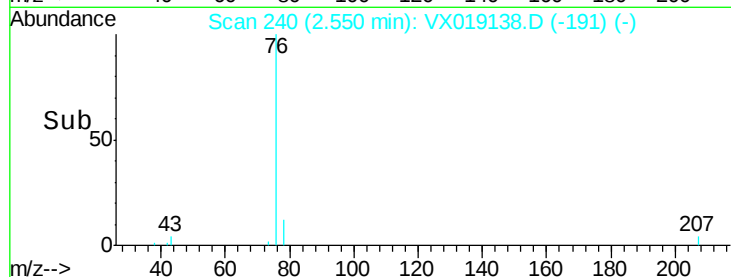
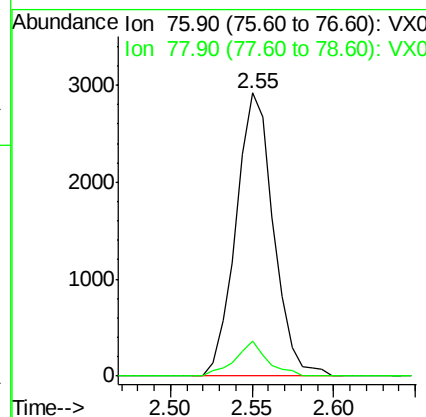
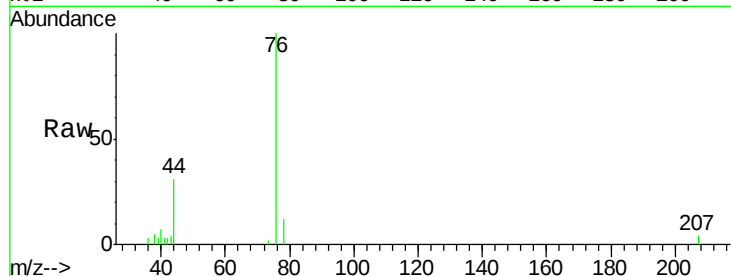
#17
Carbon Disulfide
Concen: 0.555 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 4672
Ion Ratio Lower Upper
76 100
78 12.2 7.3 10.9#

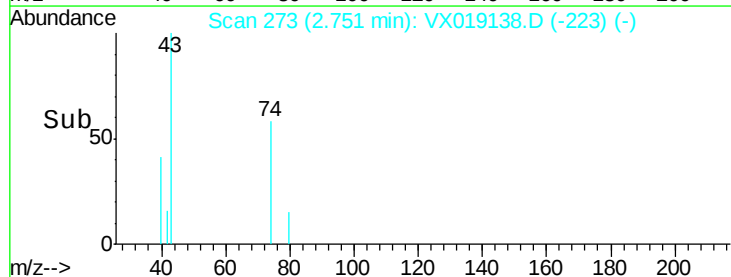
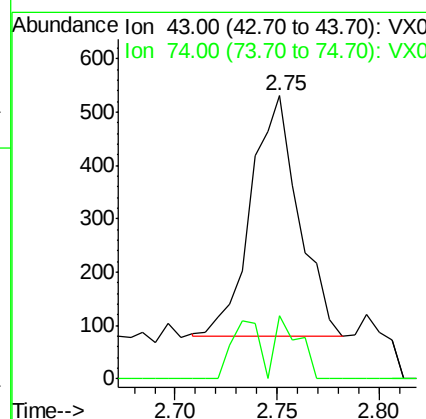
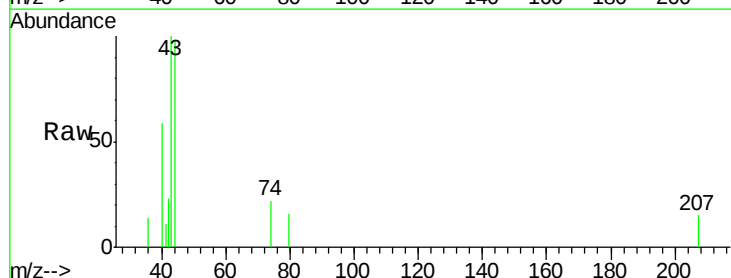
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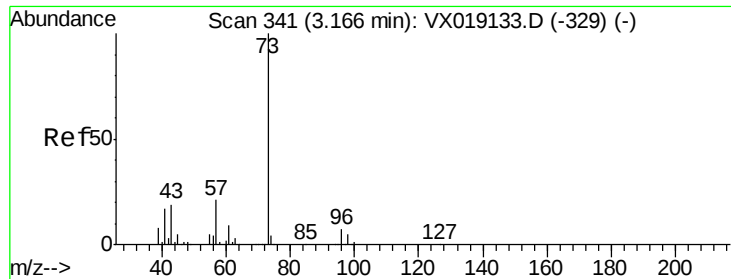
MMDadoda
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#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
74 13.3 22.6 33.8#





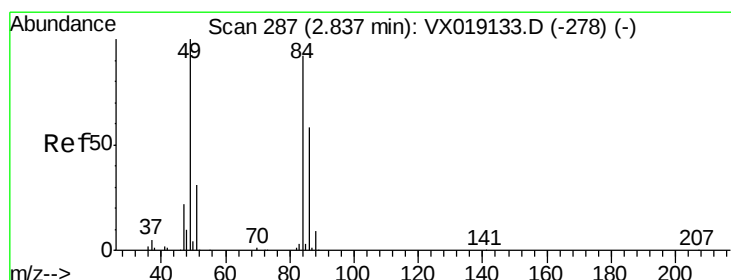
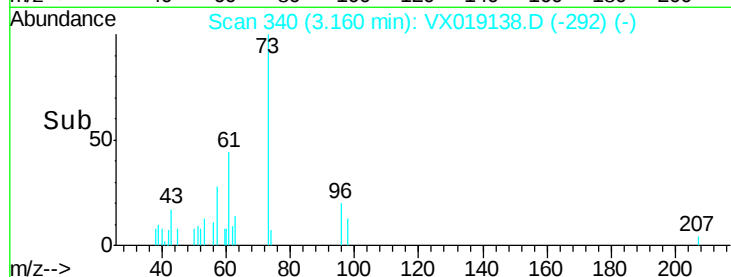
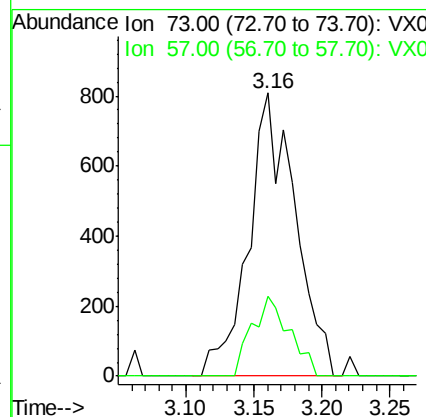
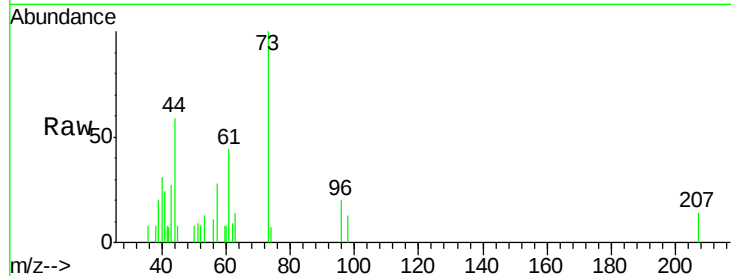
#19
Methvl tert-butvl Ether
Concen: 0.201 ug/l
RT: 3.16 min Scan# 340
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 73 Resp: 1931
Ion Ratio Lower Upper
73 100
57 28.3 16.6 25.0#

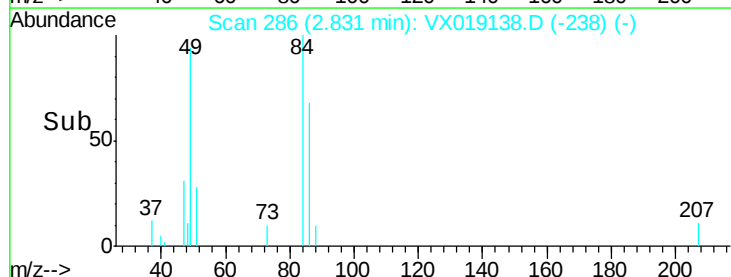
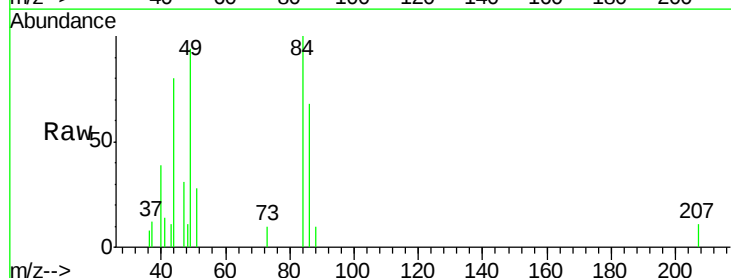
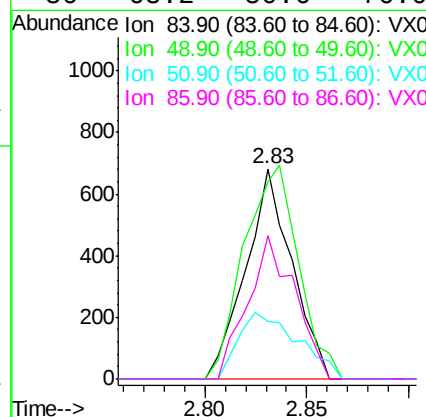
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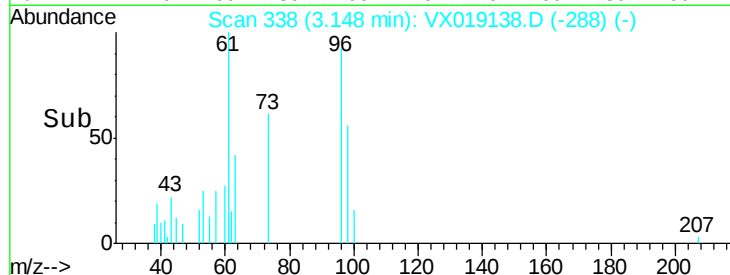
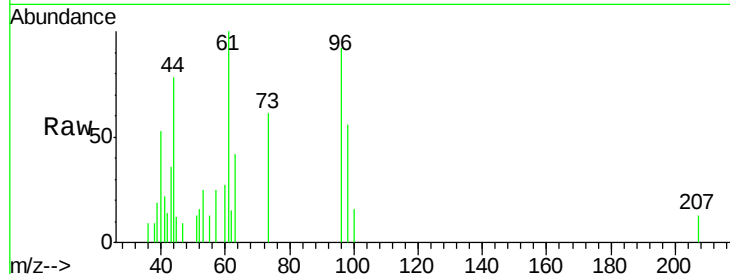
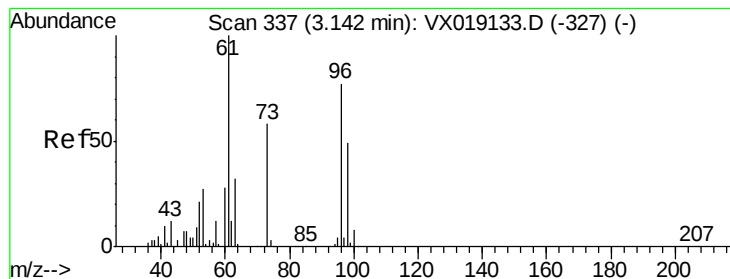
MMDadoda
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#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 84 Resp: 1072
Ion Ratio Lower Upper
84 100
49 93.9 86.8 130.2
51 27.5 27.3 40.9
86 68.2 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 0.309 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019138.D

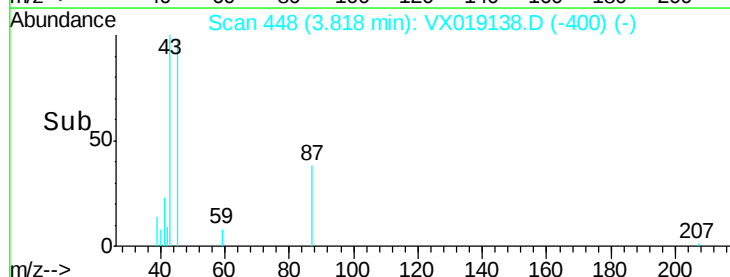
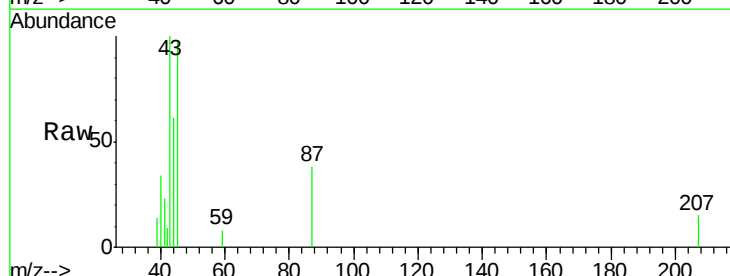
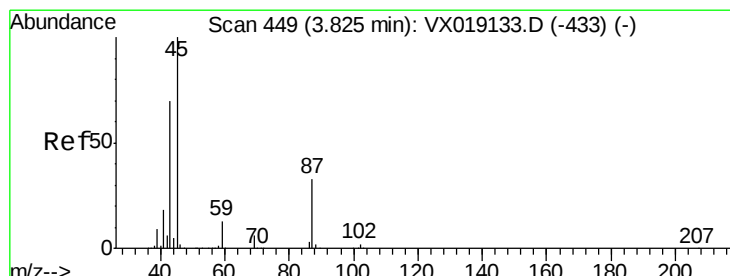
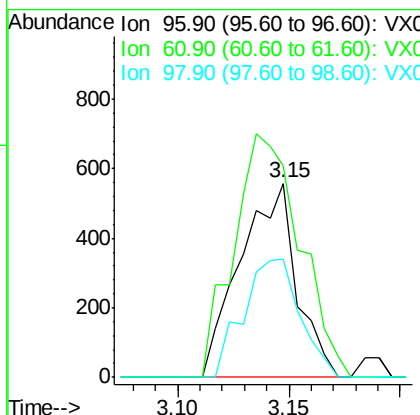
Acq: 27 Oct 2020 16:04

Tot Ion:	96	Resp:	985
Ion	Ratio	Lower	Upper
96	100		
61	109.0	104.2	156.4
98	60.9	51.3	76.9

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

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#22

Diisopropyl ether

Concen: 0.231 ug/l

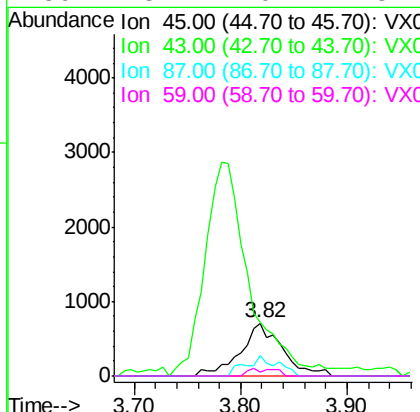
RT: 3.82 min Scan# 448

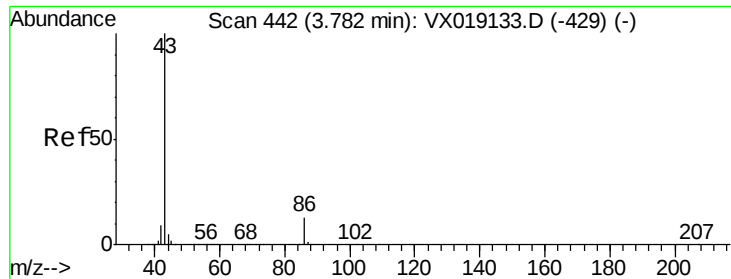
Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	45	Resp:	1931
Ion	Ratio	Lower	Upper
45	100		
43	87.3	56.2	84.4#
87	38.7	26.2	39.2
59	8.1	10.1	15.1#





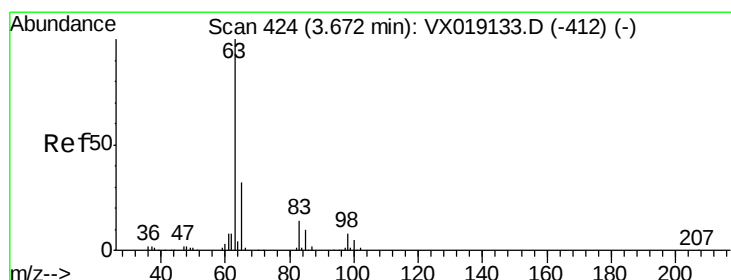
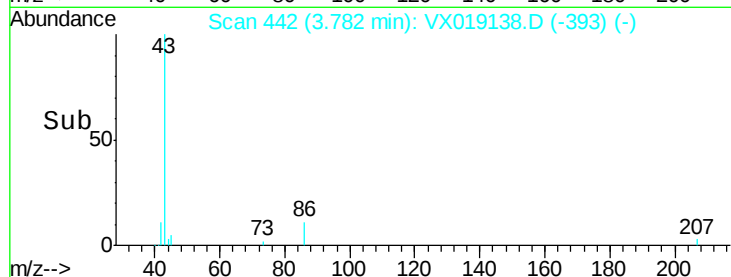
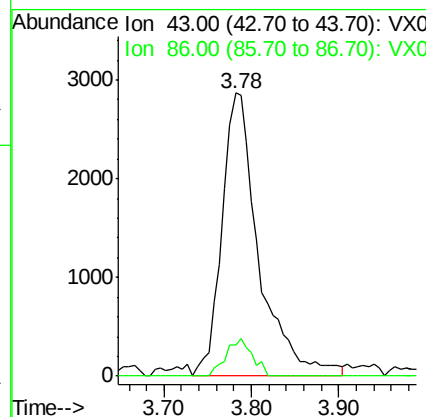
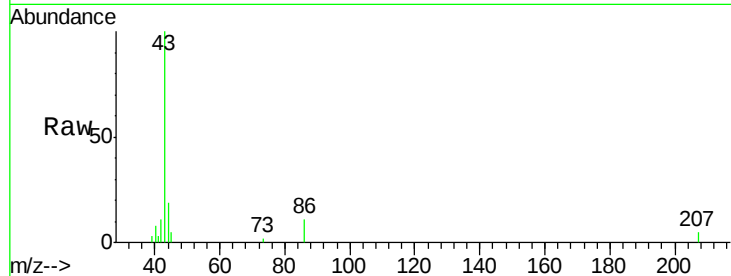
#23
 Vinyl Acetate
 Concen: 1.129 ug/l
 RT: 3.78 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 8412
 Ion Ratio Lower Upper
 43 100
 86 10.9 10.4 15.6

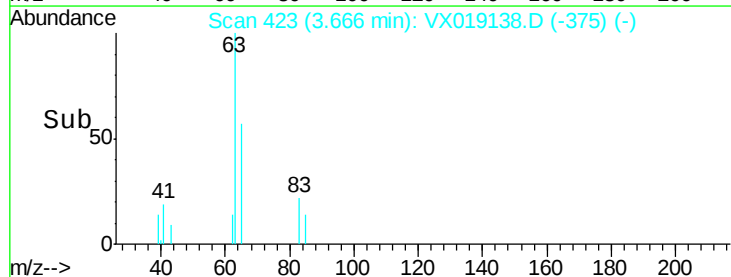
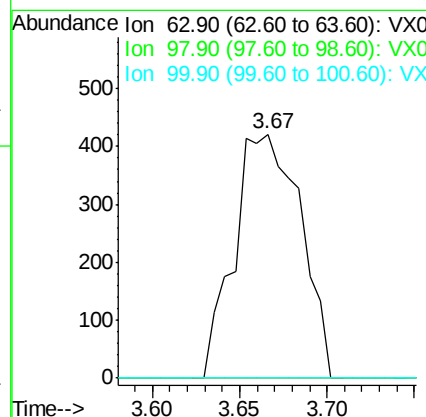
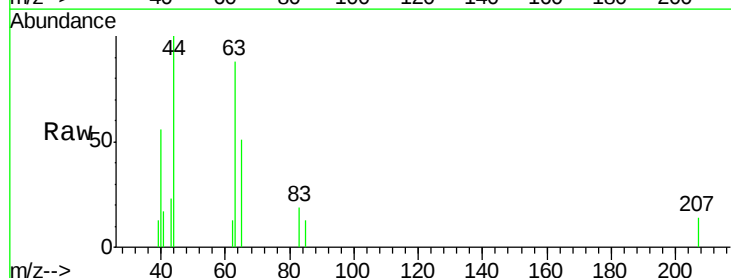
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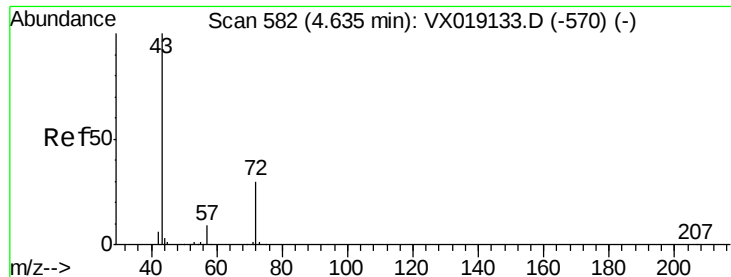
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#24
 1,1-Dichloroethane
 Concen: 0.215 ug/l
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion: 63 Resp: 1120
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.4#
 100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 1.315 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 2632

Ion Ratio Lower Upper

43 100

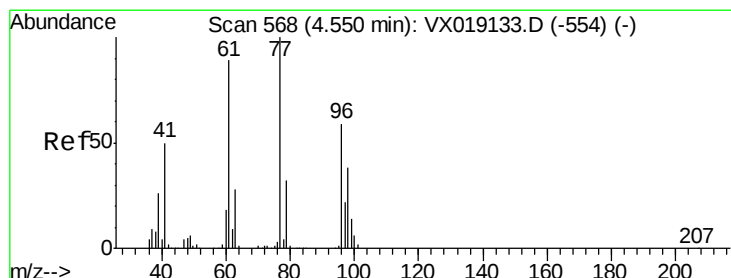
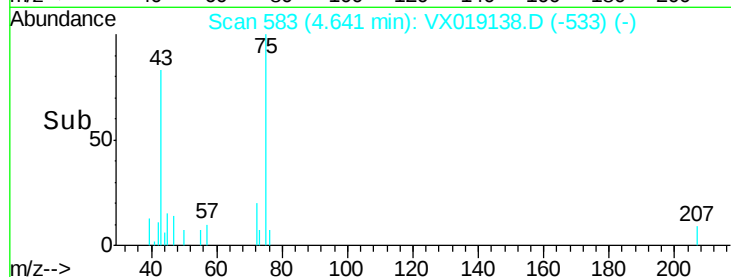
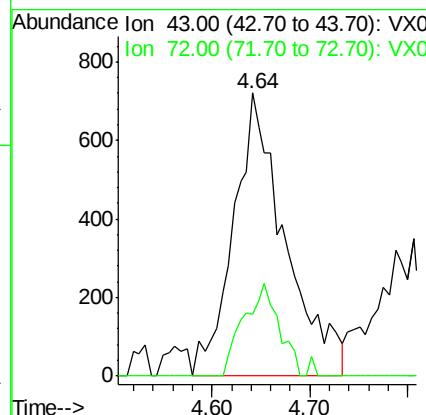
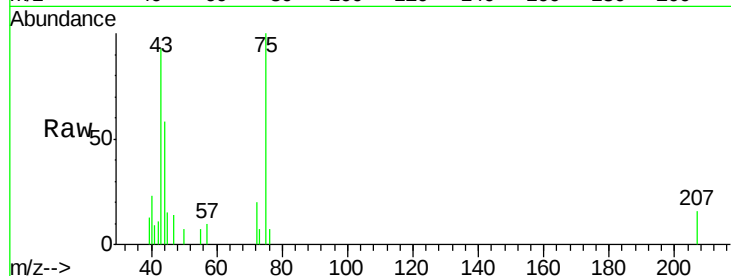
72 21.8 24.6 36.8#

Manual Integrations

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10/28/2020 12:32:58 PM



#26

2,2-Dichloropropane

Concen: 0.223 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019138.D

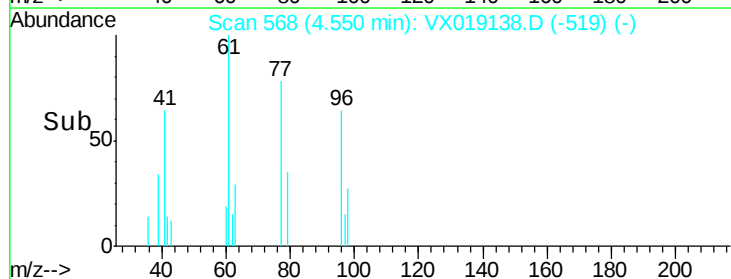
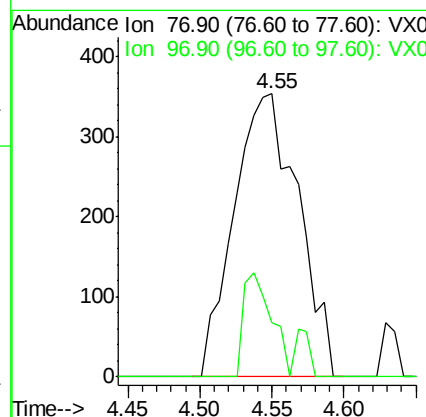
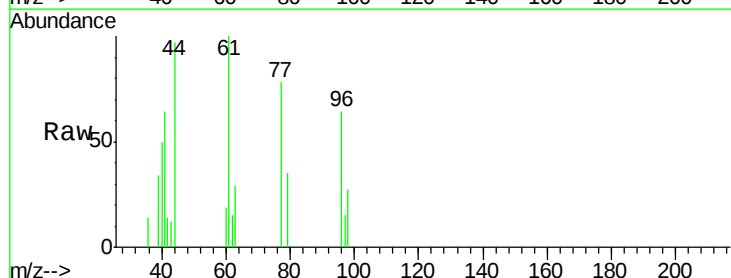
Acq: 27 Oct 2020 16:04

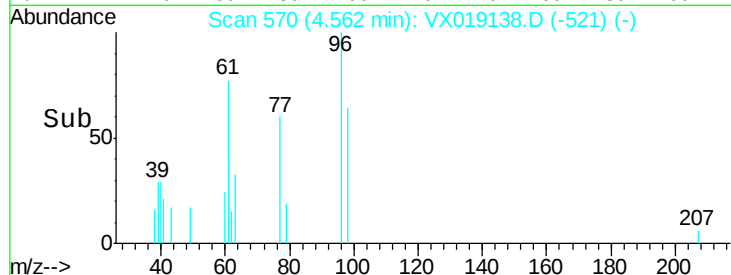
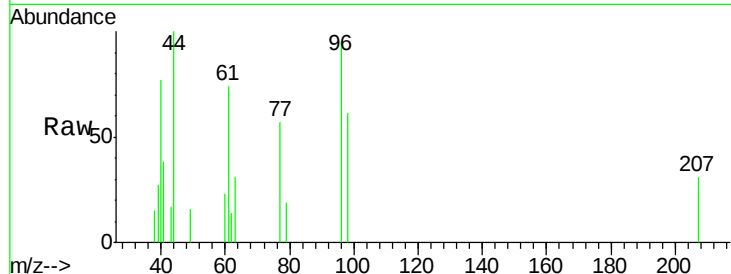
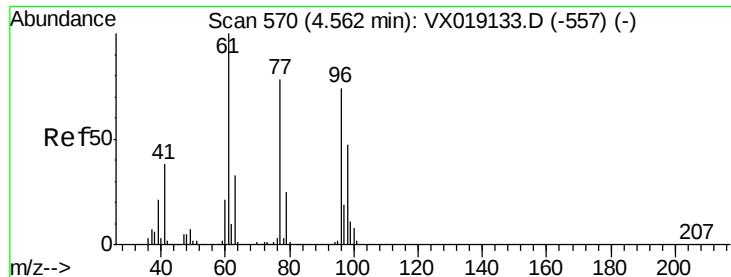
Tgt Ion: 77 Resp: 1094

Ion Ratio Lower Upper

77 100

97 16.0 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 0.280 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019133.D

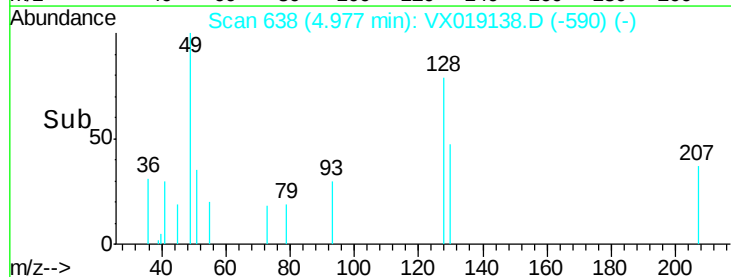
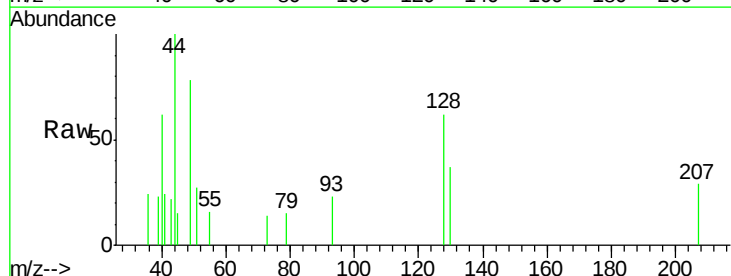
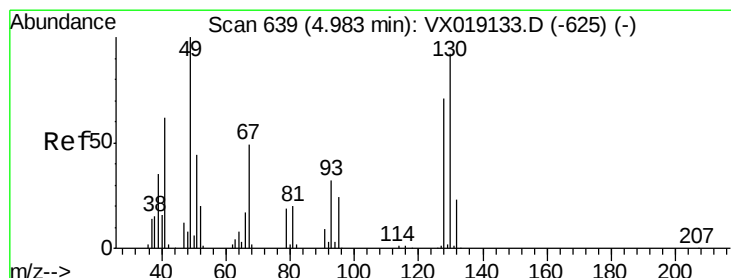
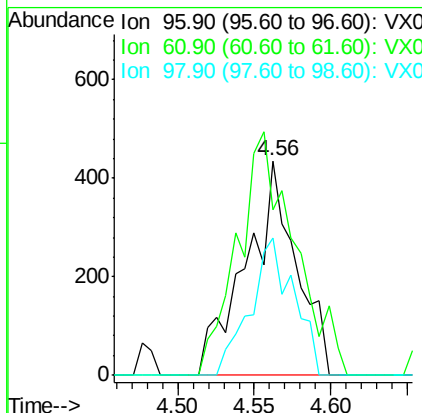
Acq: 27 Oct 2020 16:04

Tot Ion:	96	Resp:	997
Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	278.8
98	55.2	0.0	130.2

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

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#28

Bromochloromethane

Concen: 0.286 ug/l

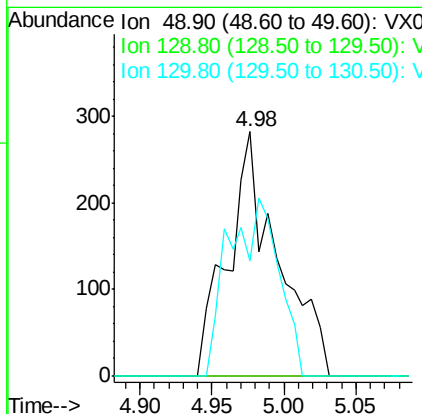
RT: 4.98 min Scan# 638

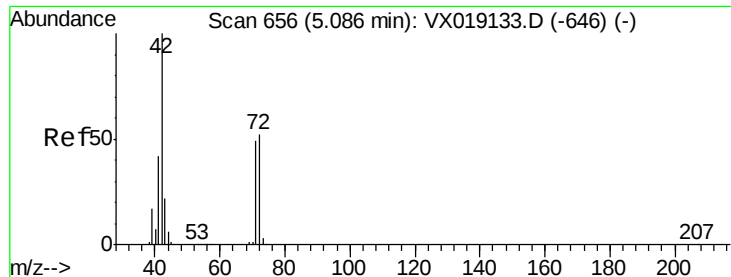
Delta R.T. -0.01 min

Lab File: VX019133.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	49	Resp:	679
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	72.9	71.3	106.9





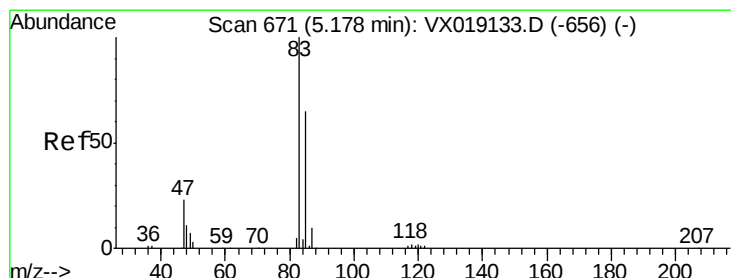
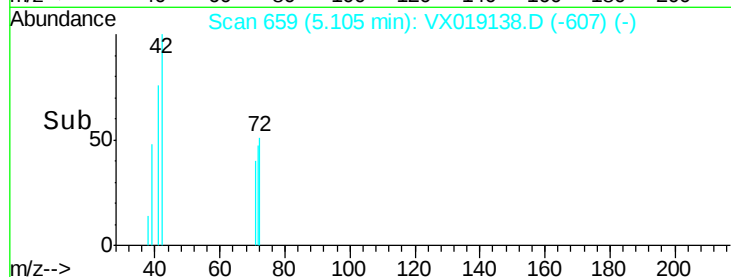
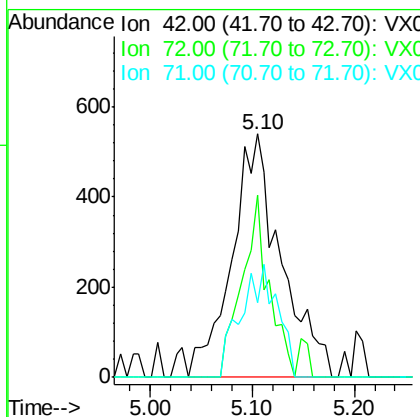
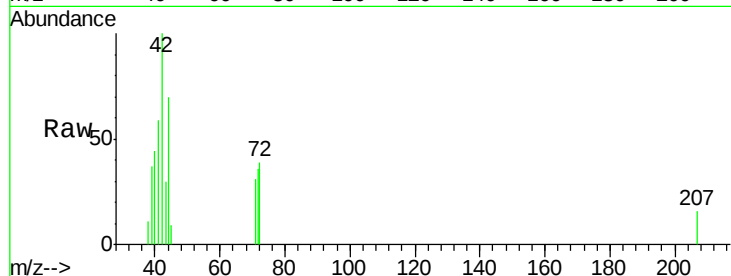
#29
Tetrahydrofuran
Concen: 1.428 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	42.6	63.8#
71	34.6	39.7	59.5#

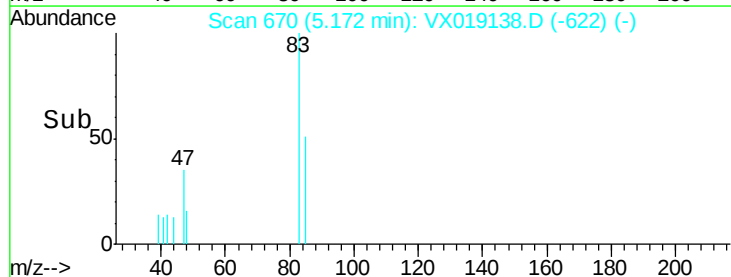
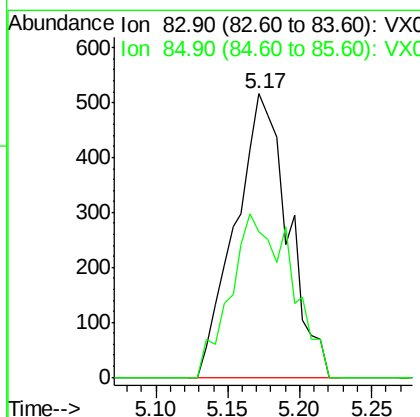
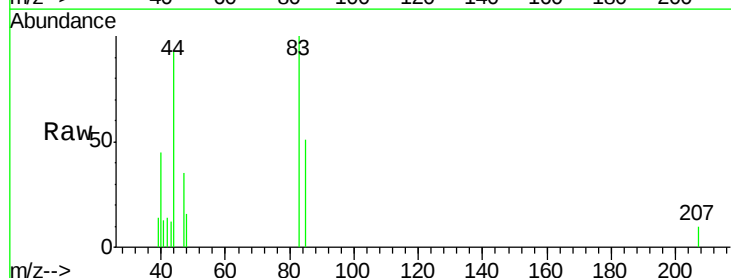
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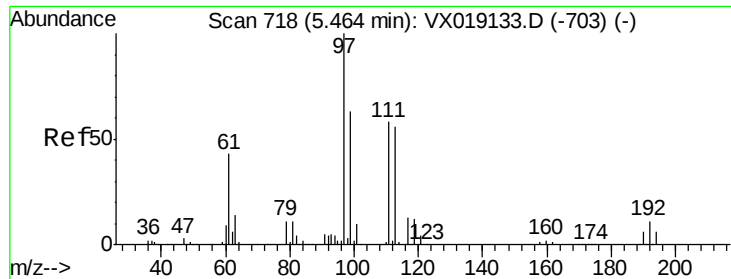
MMDadoda
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#30
Chloroform
Concen: 0.237 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.4	51.9	77.9#





#32

1,1,1-Trichloroethane

Concen: 0.217 ug/l

RT: 5.45 min Scan# 716

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

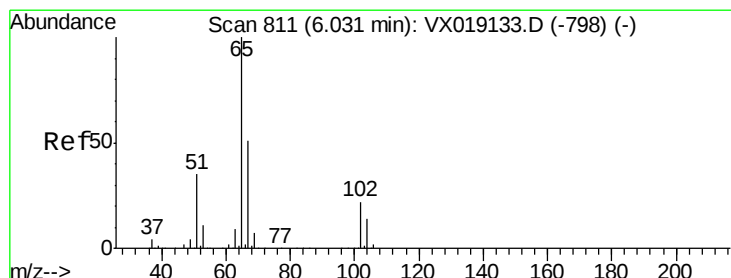
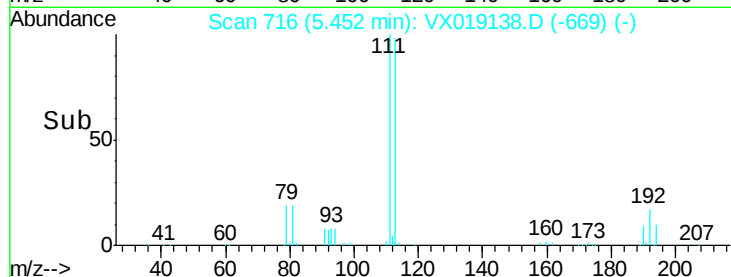
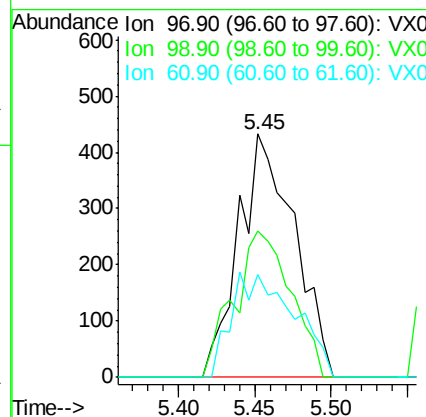
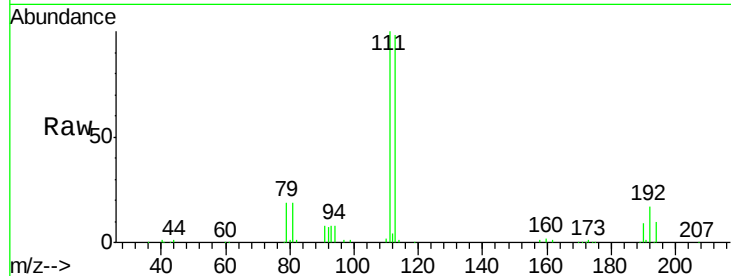
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	97	Resp:	1092
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	48.4	34.2	51.2

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#33

1,2-Dichloroethane-d4

Concen: 47.435 ug/l

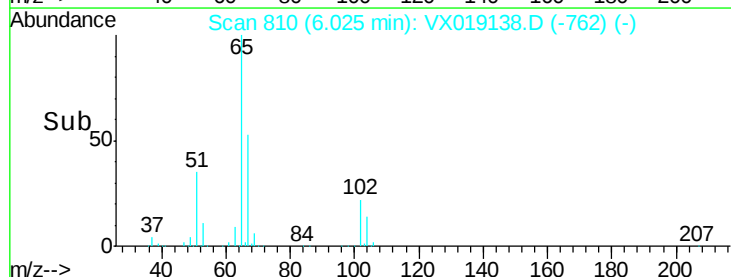
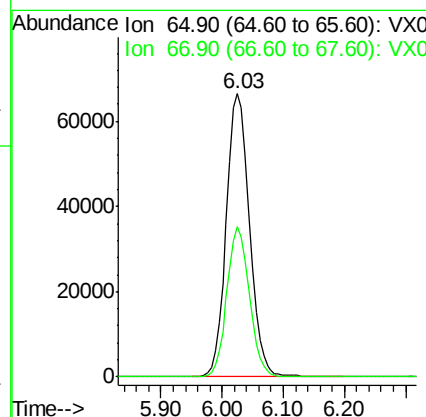
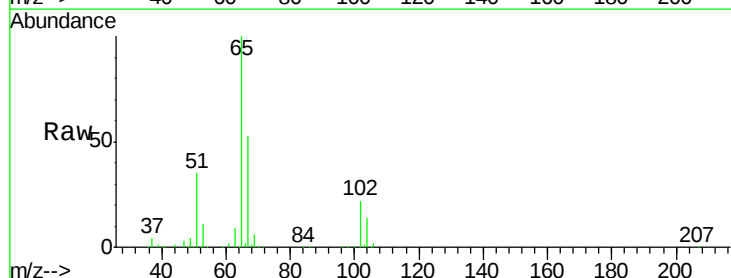
RT: 6.03 min Scan# 810

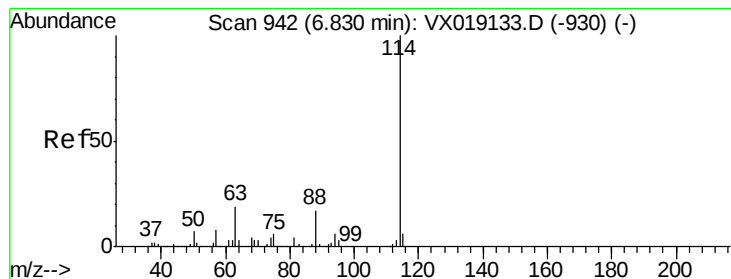
Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	65	Resp:	174683
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

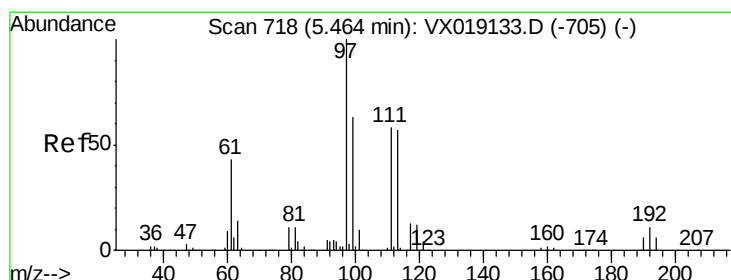
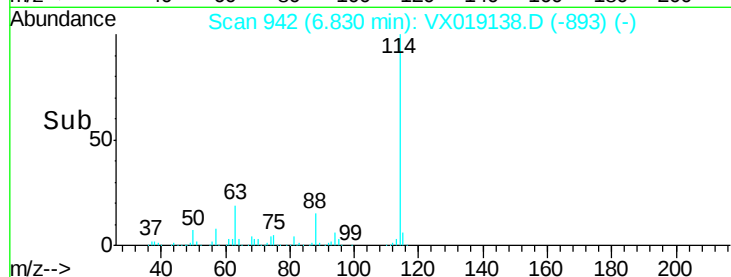
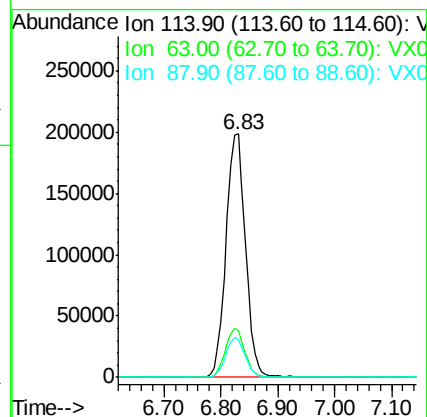
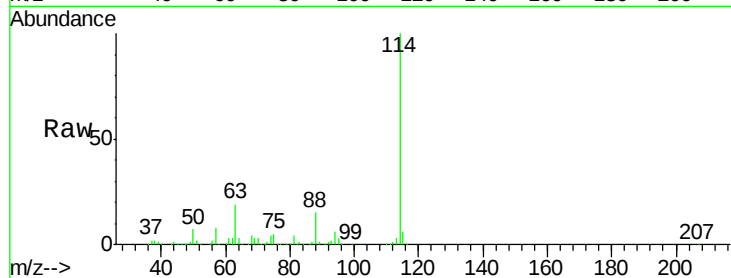
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	114	Resp:	473763
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	38.8
88	15.3	0.0	34.2

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#35

Dibromofluoromethane

Concen: 46.154 ug/l

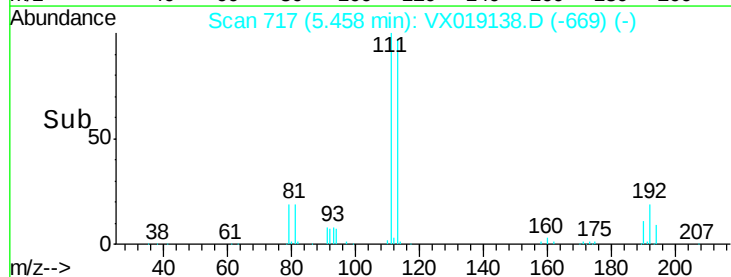
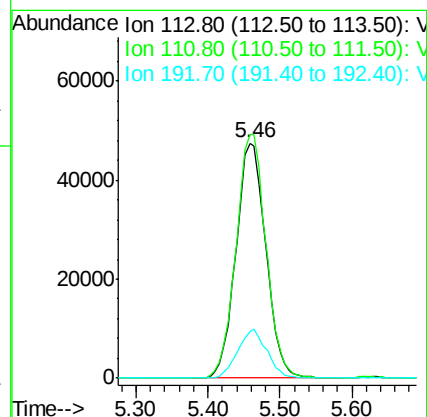
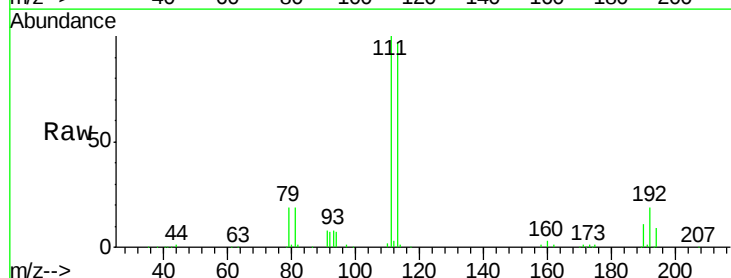
RT: 5.46 min Scan# 717

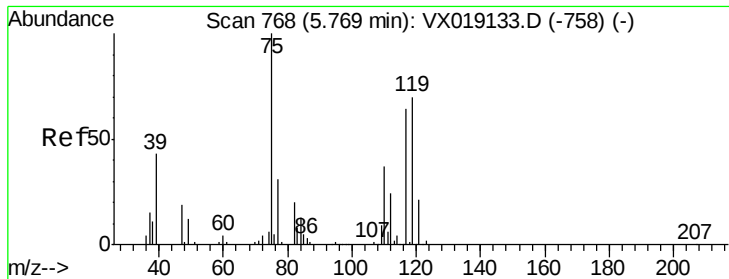
Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	113	Resp:	137349
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.3	123.5
192	20.3	16.2	24.2





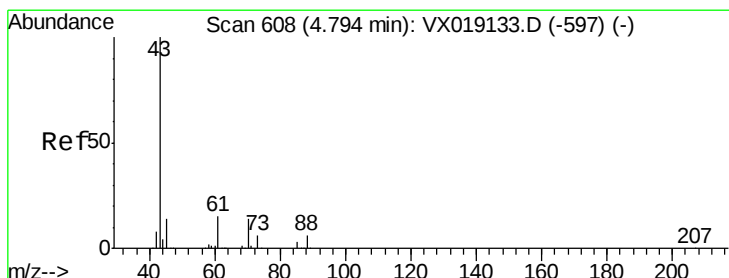
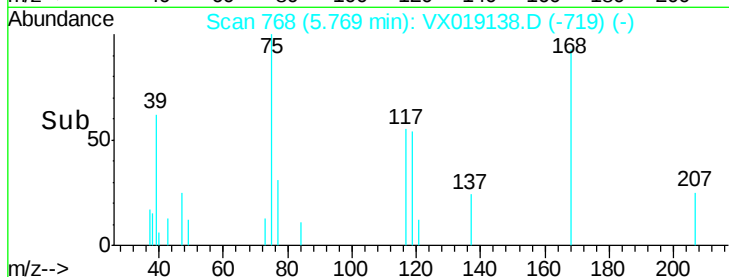
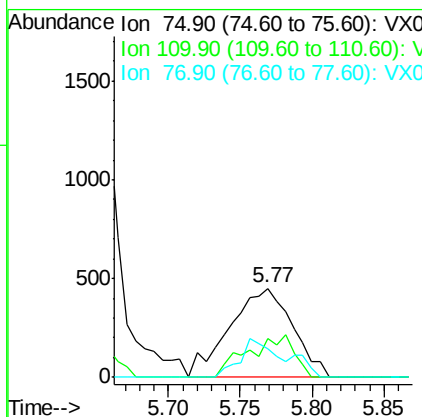
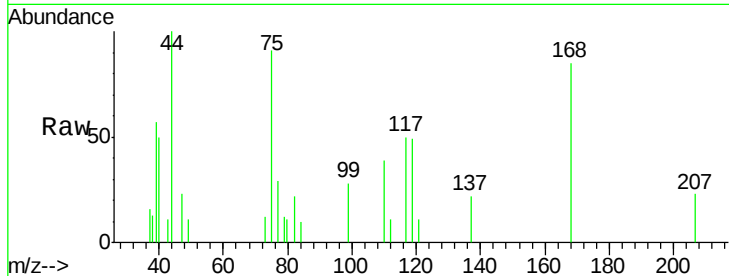
#36
 1,1-Dichloropropene
 Concen: 0.312 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.3	54.9
77	0.0	24.9	37.3#

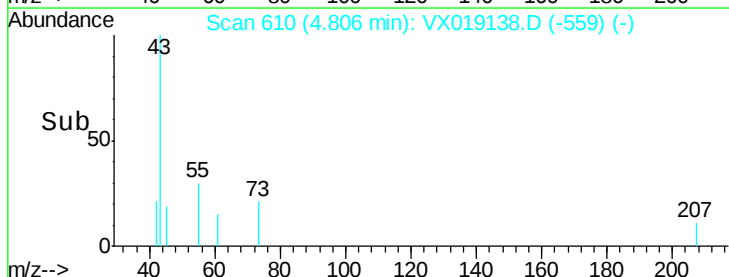
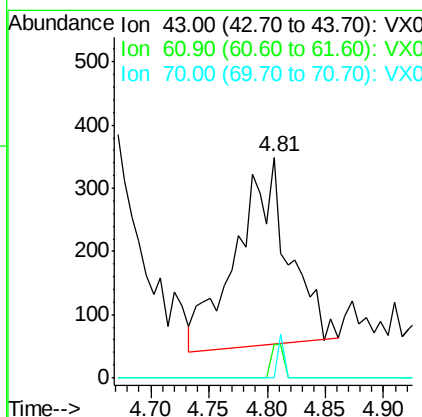
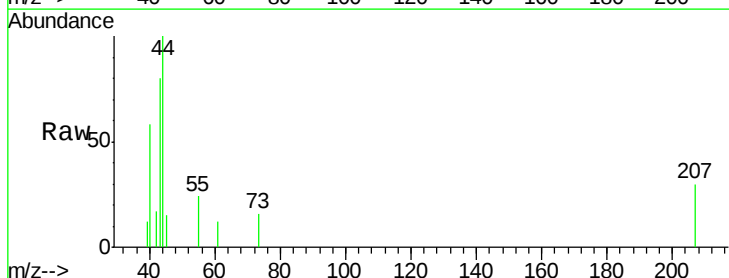
Manual Integrations
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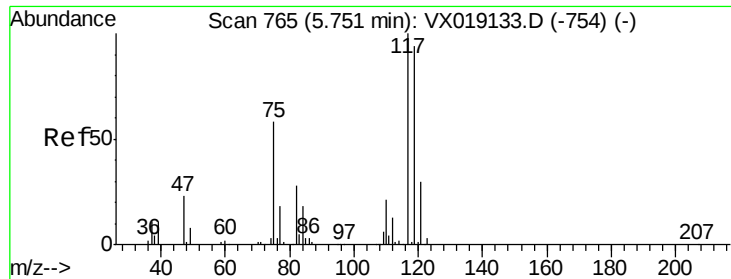
MMDadoda
 10/28/2020 12:32:58 PM



#37
 Ethyl Acetate
 Concen: 0.228 ug/l
 RT: 4.81 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.5	18.7#
70	2.7	10.5	15.7#





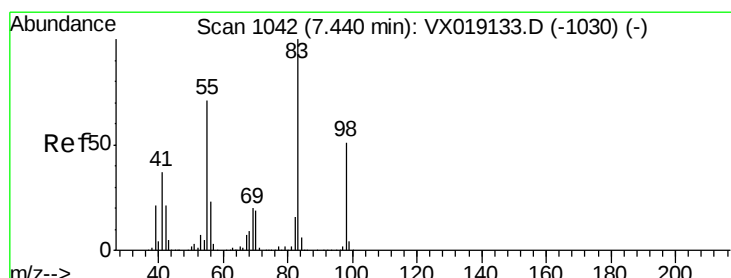
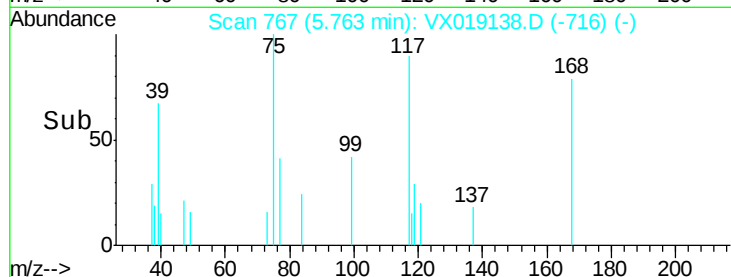
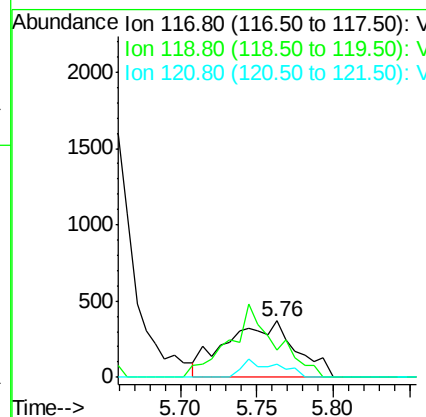
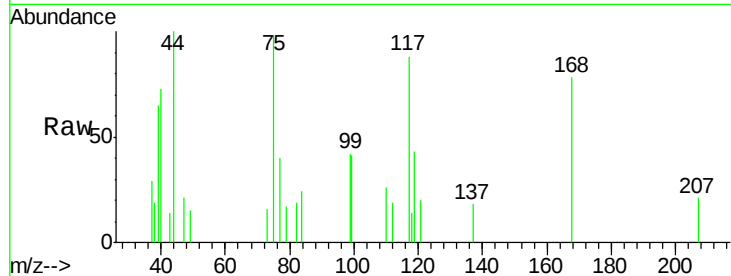
#38
Carbon Tetrachloride
Concen: 0.259 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	48.6	75.0	112.6#
121	22.6	23.9	35.9#

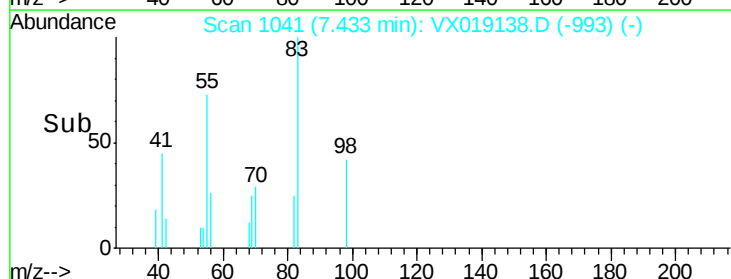
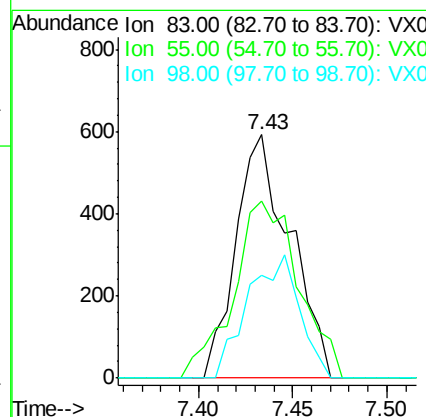
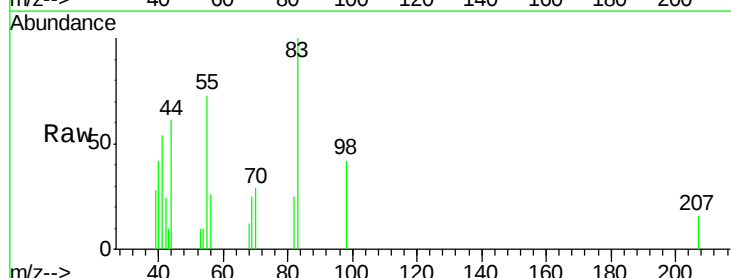
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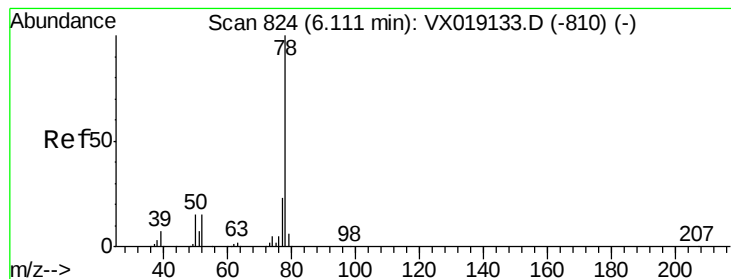
MMDadoda
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#39
Methylcyclohexane
Concen: 0.225 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.5	57.0	85.6
98	42.3	40.5	60.7





#40

Benzene

Concen: 0.237 ug/l

RT: 6.10 min Scan# 823

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 78 Resp: 2943

Ion Ratio Lower Upper

78 100

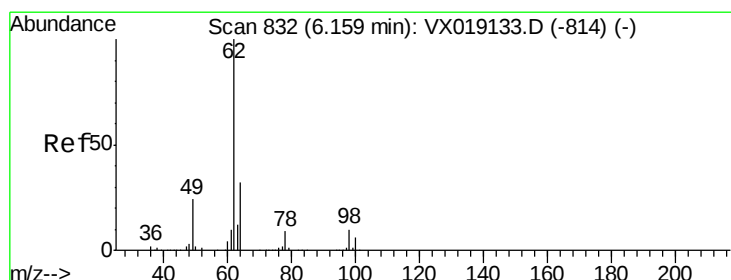
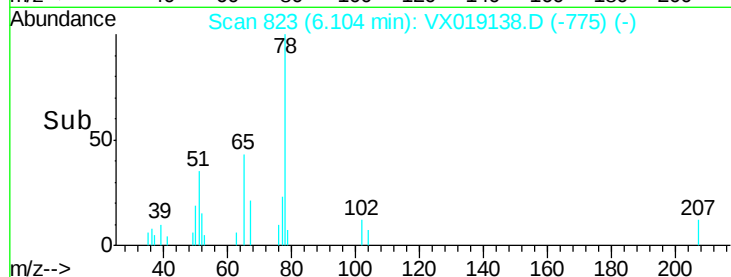
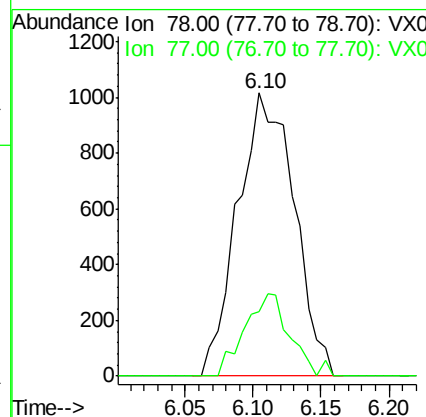
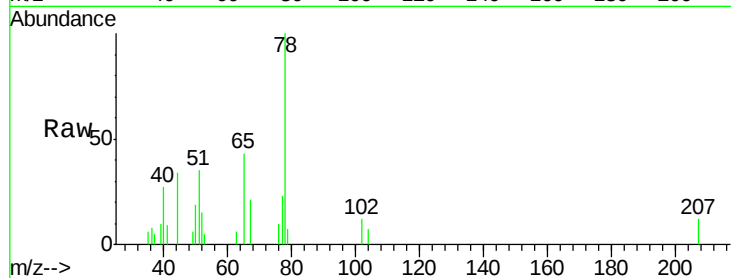
77 22.8 18.7 28.1

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#42

1,2-Dichloroethane

Concen: 0.330 ug/l

RT: 6.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VX019138.D

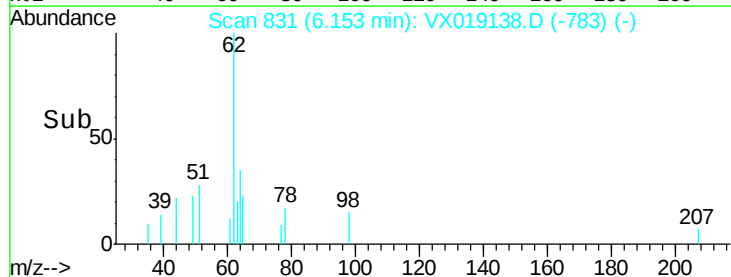
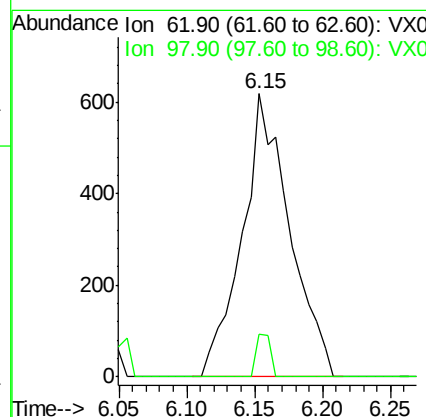
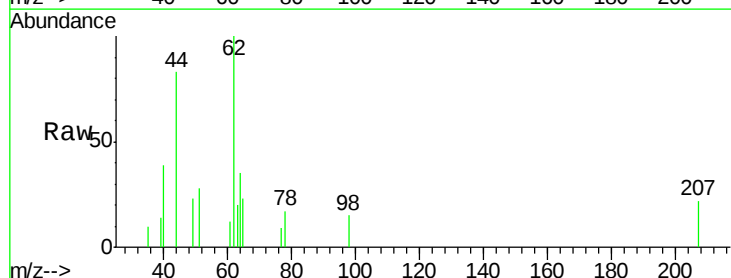
Acq: 27 Oct 2020 16:04

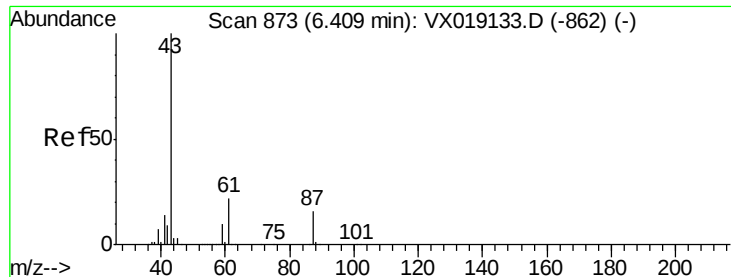
Tgt Ion: 62 Resp: 1509

Ion Ratio Lower Upper

62 100

98 4.4 0.0 19.0





#43

Isopropyl Acetate

Concen: 0.257 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

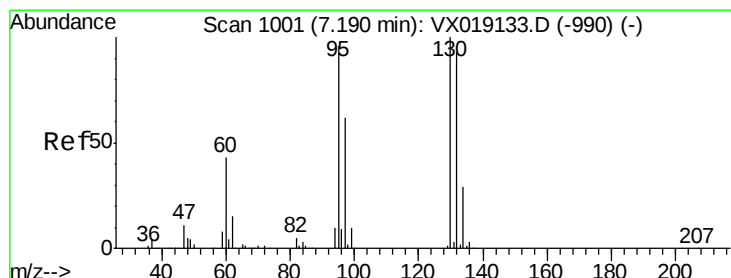
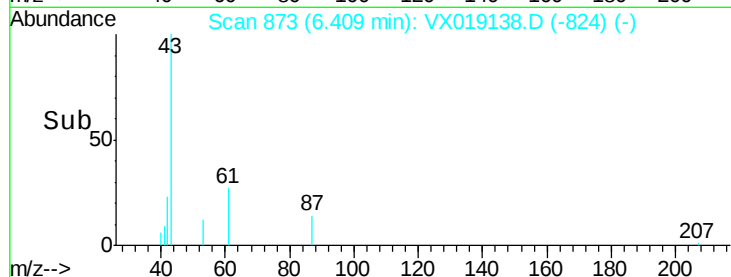
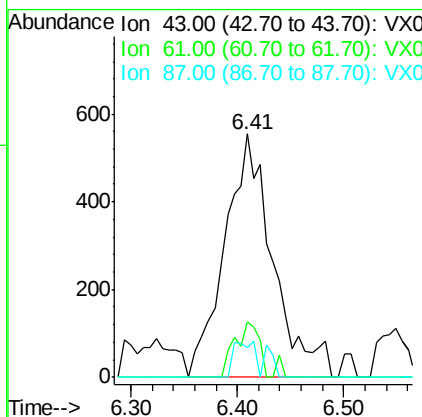
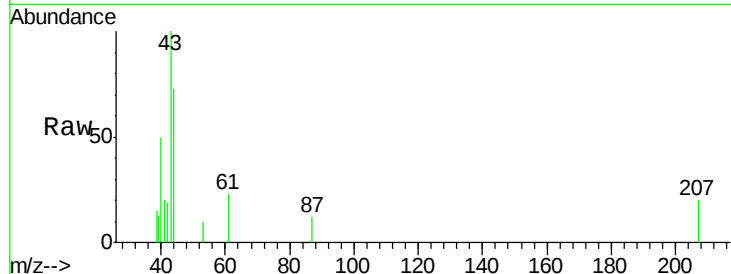
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	43	Resp:	1745
Ion	Ratio	Lower	Upper
43	100		
61	11.5	17.8	26.6#
87	6.4	12.6	19.0#

Manual Integrations
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#44

Trichloroethene

Concen: 0.305 ug/l

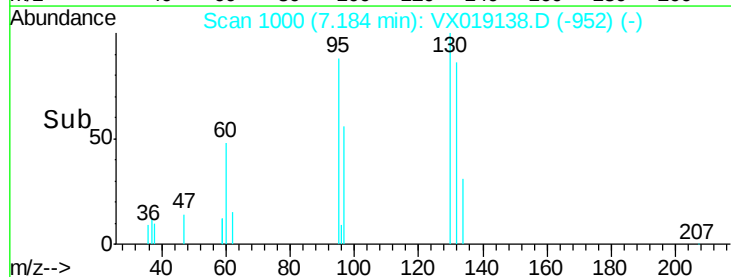
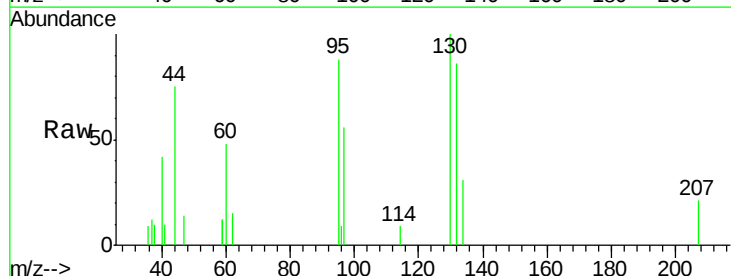
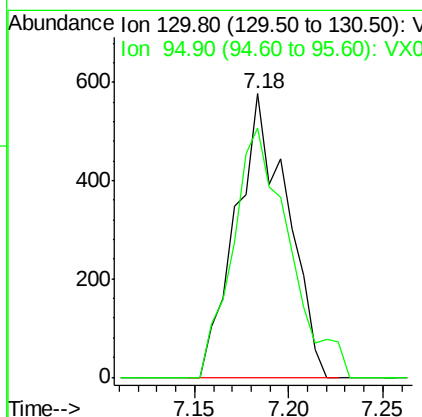
RT: 7.18 min Scan# 1000

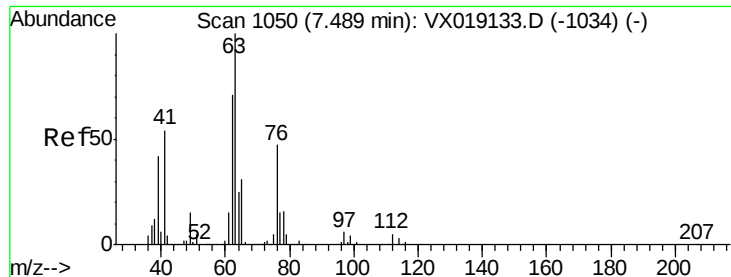
Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	130	Resp:	1083
Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	192.0





#45

1,2-Dichloropropane

Concen: 0.232 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 706

Ion Ratio Lower Upper

63 100

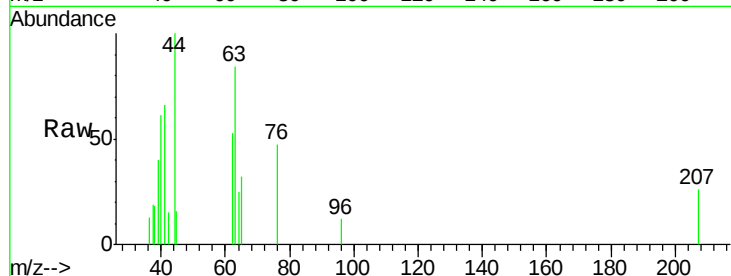
65 38.7 25.2 37.8#

Manual Integrations

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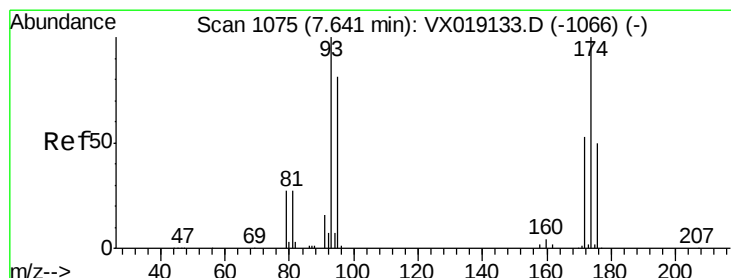
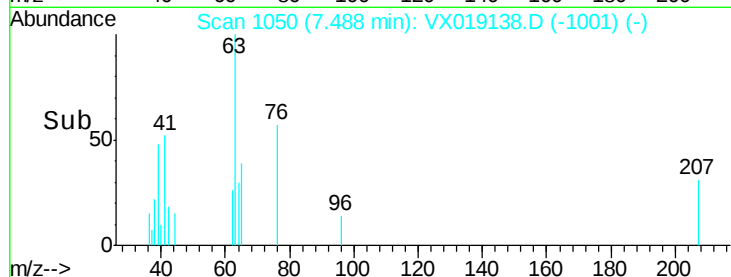
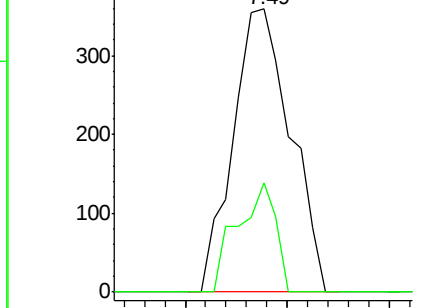
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.282 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

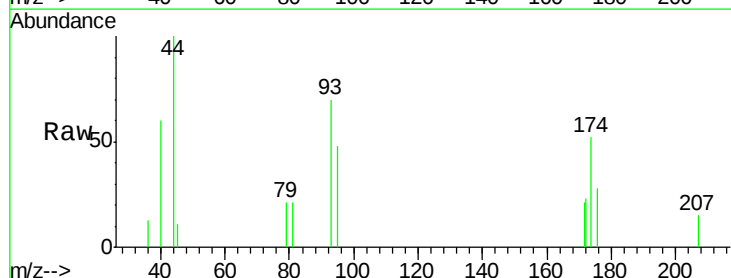
Tgt Ion: 93 Resp: 633

Ion Ratio Lower Upper

93 100

95 82.1 67.0 100.6

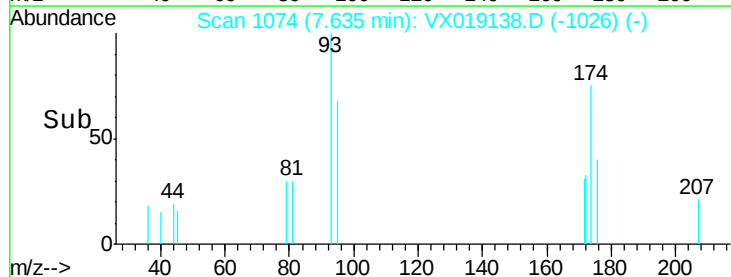
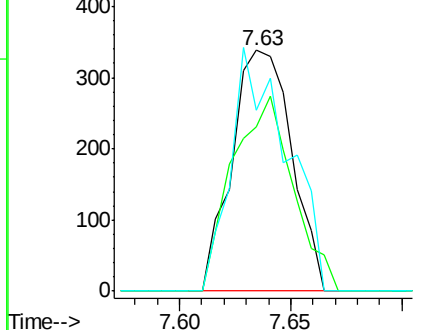
174 94.5 81.7 122.5

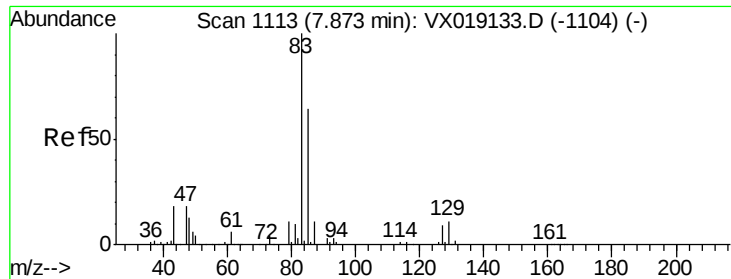


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





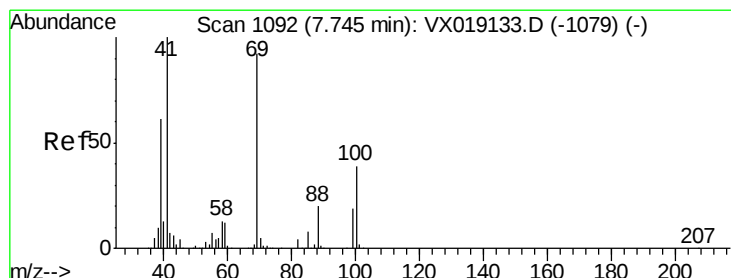
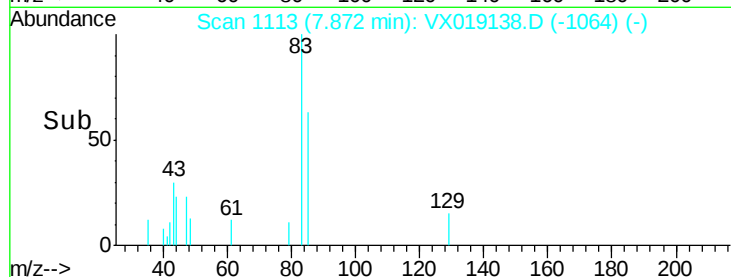
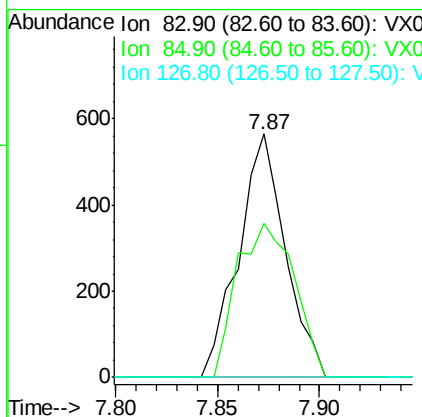
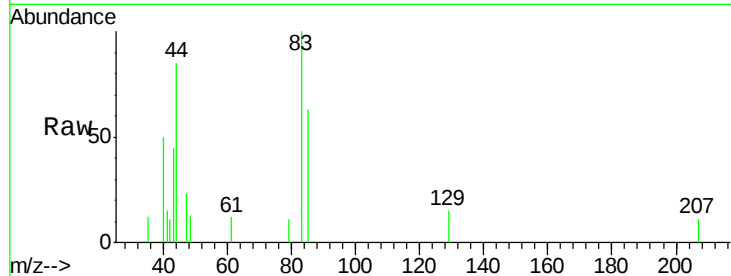
#47
Bromodichloromethane
Concen: 0.203 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.2	76.8
127	0.0	7.1	10.7#

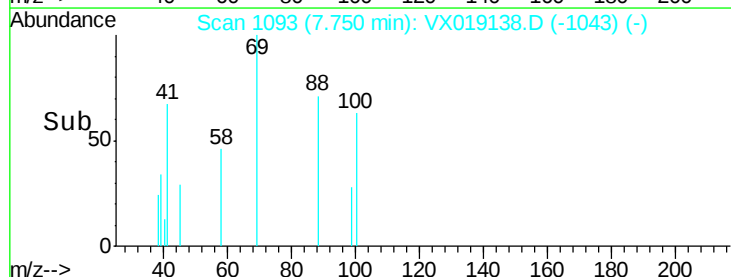
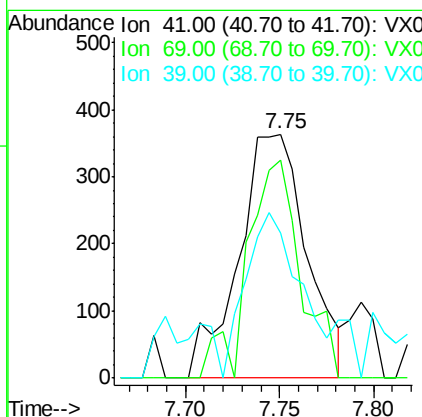
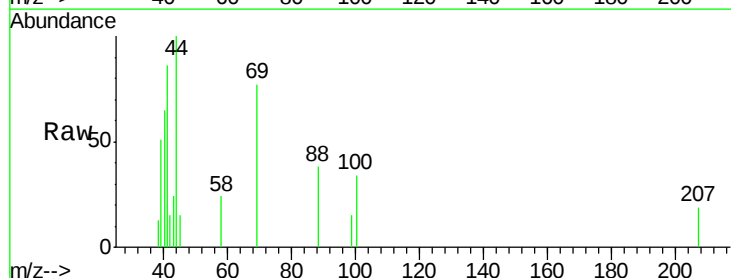
Manual Integrations
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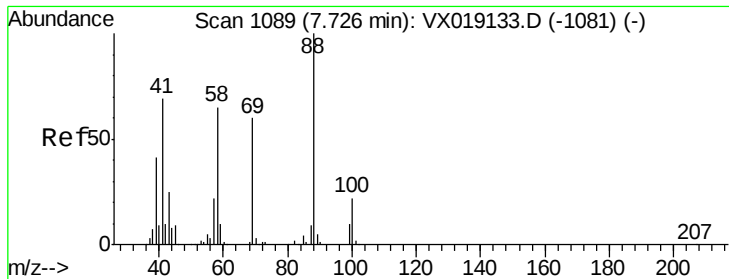
MMDadoda
10/28/2020 12:32:58 PM



#48
Methyl methacrylate
Concen: 0.280 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.1	75.5	113.3#
39	61.0	48.9	73.3





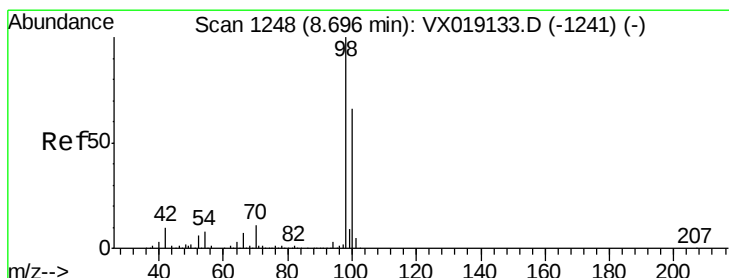
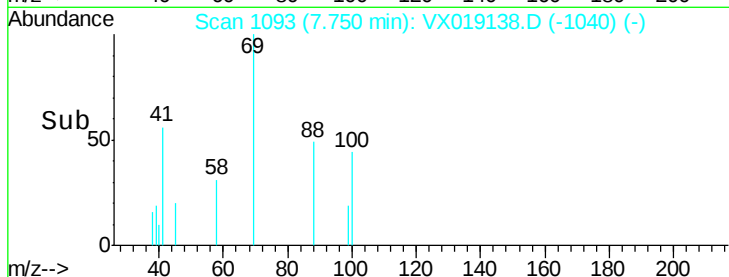
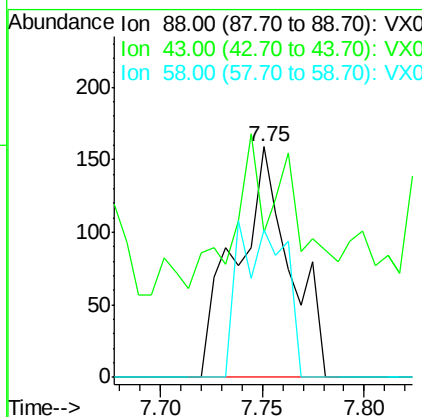
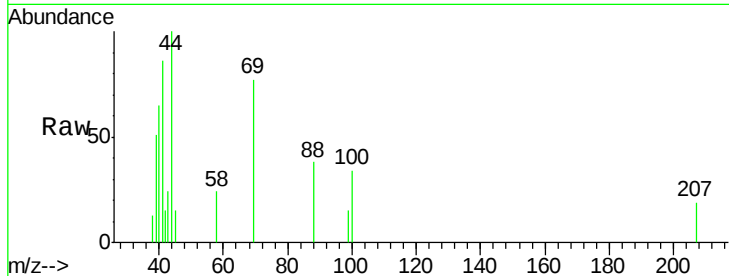
#49
1,4-Dioxane
Concen: 4.025 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.02 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	23.0	34.6#
58	57.0	52.2	78.2

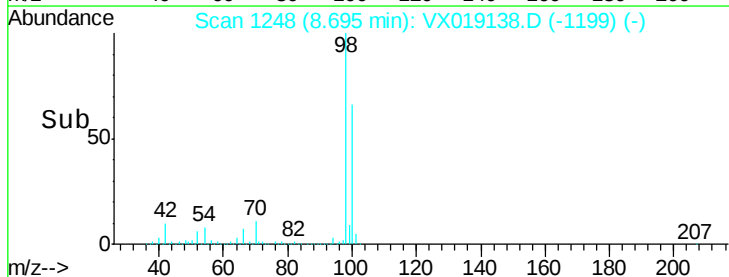
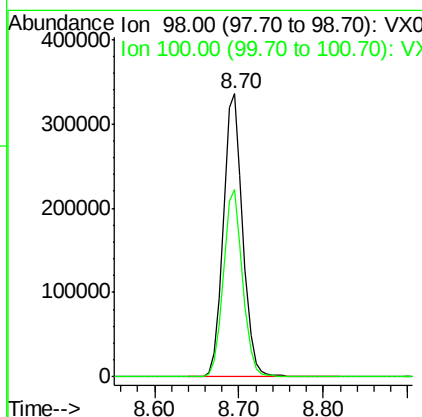
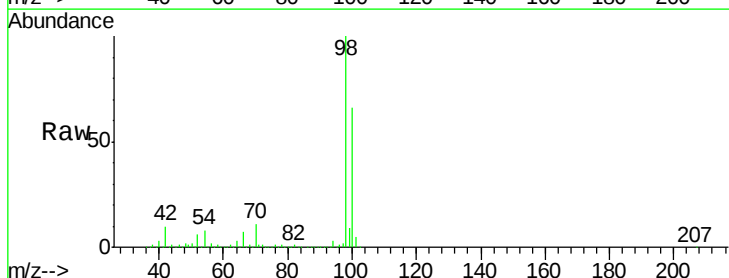
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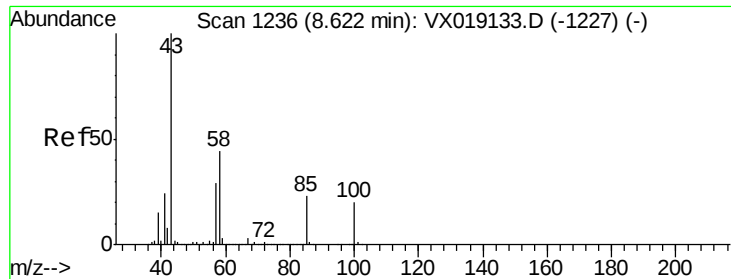
MMDadoda
10/28/2020 12:32:58 PM



#50
Toluene-d8
Concen: 47.087 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 3979

Ion Ratio Lower Upper

43 100

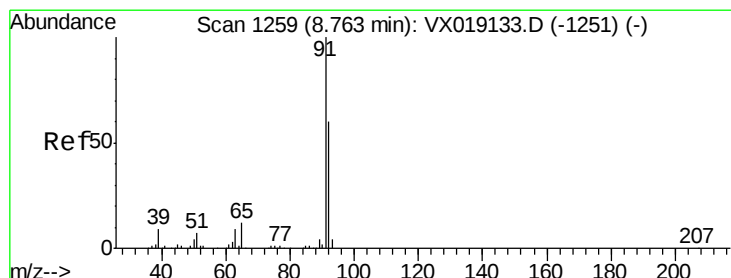
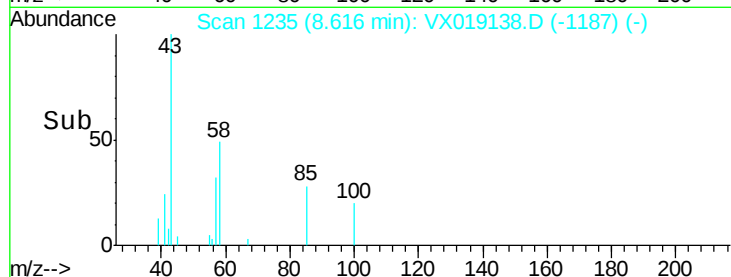
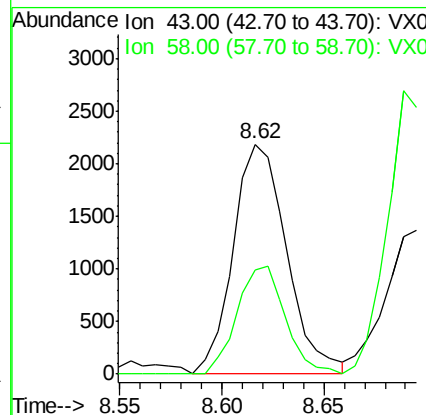
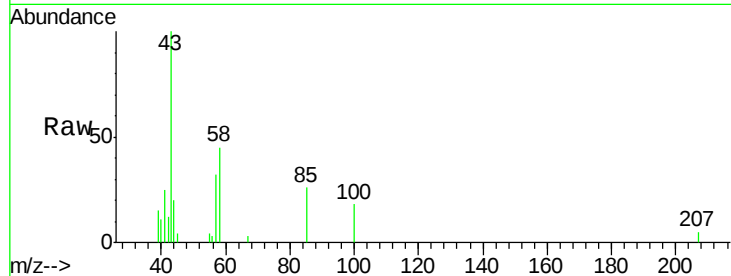
58 42.4 35.0 52.4

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10/28/2020 12:32:58 PM



#52

Toluene

Concen: 0.256 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX019138.D

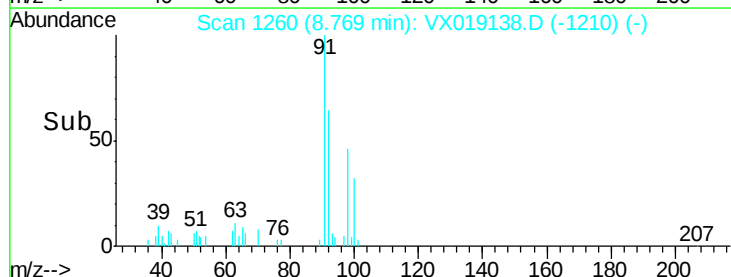
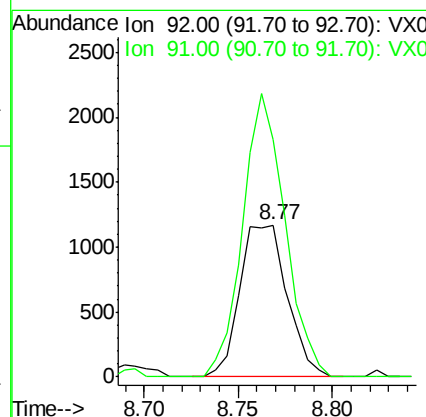
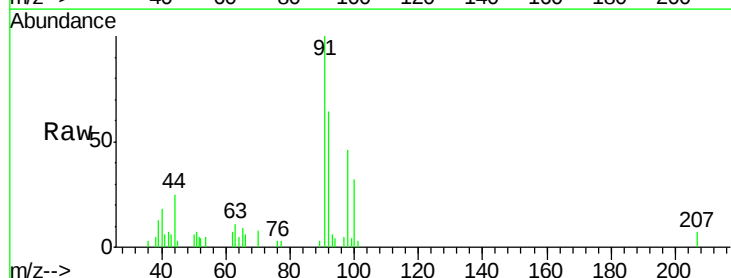
Acq: 27 Oct 2020 16:04

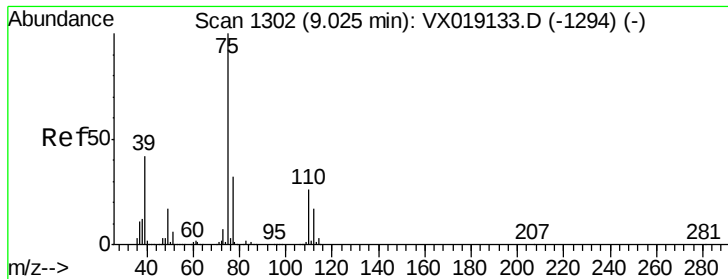
Tgt Ion: 92 Resp: 2047

Ion Ratio Lower Upper

92 100

91 165.7 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 0.245 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 75 Resp: 1240

Ion Ratio Lower Upper

75 100

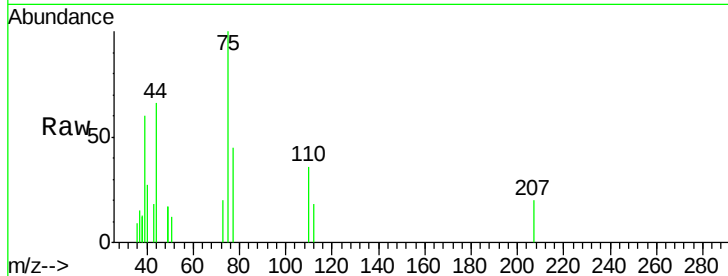
77 45.3 25.4 38.0#

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

800

600

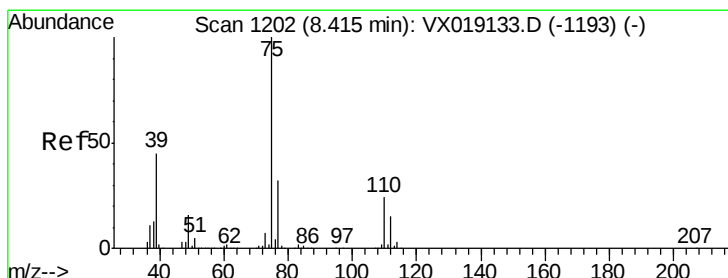
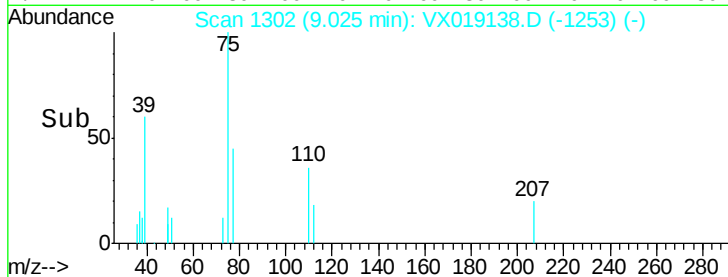
400

200

0

9.00 9.05

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.252 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

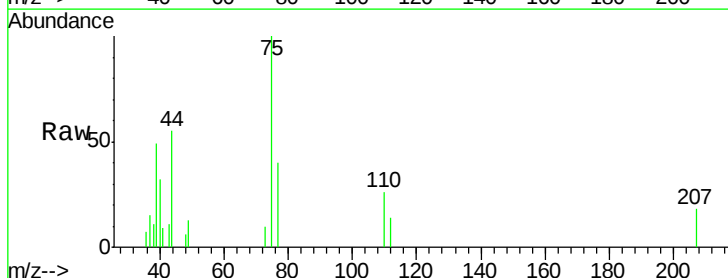
Tgt Ion: 75 Resp: 1339

Ion Ratio Lower Upper

75 100

77 40.3 25.5 38.3#

39 48.6 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.41

1000

800

600

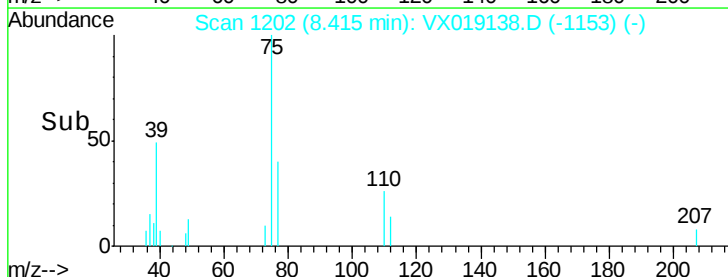
400

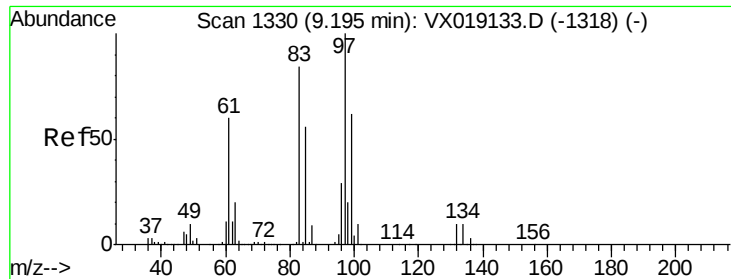
200

0

8.35 8.40 8.45

Time-->





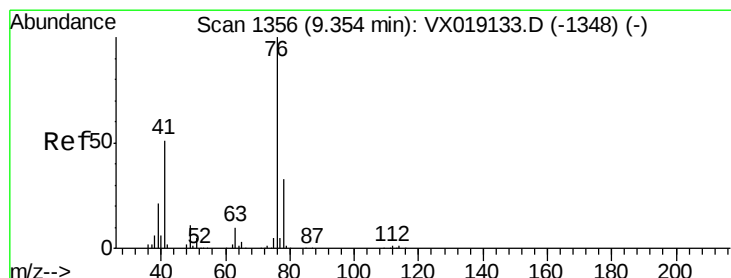
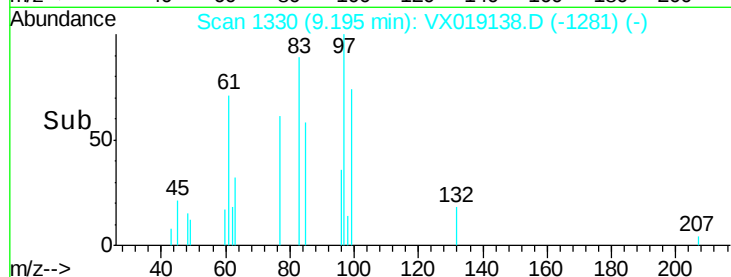
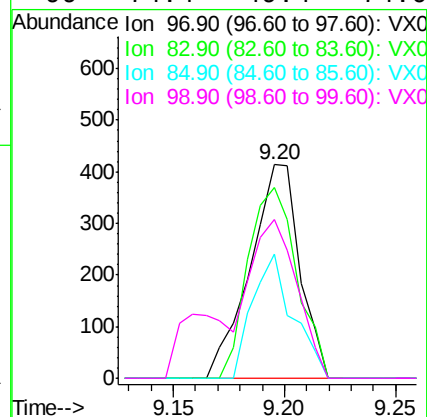
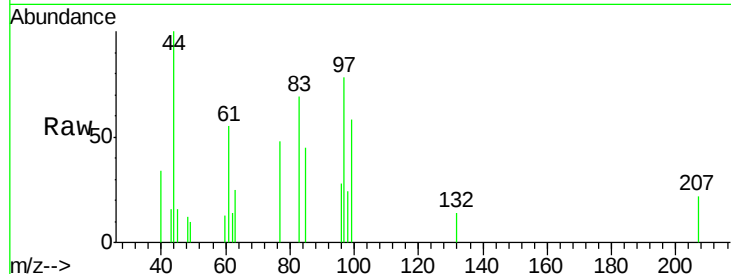
#55
 1,1,2-Trichloroethane
 Concen: 0.204 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.2	100.8
85	58.0	44.6	67.0
99	74.4	49.4	74.0#

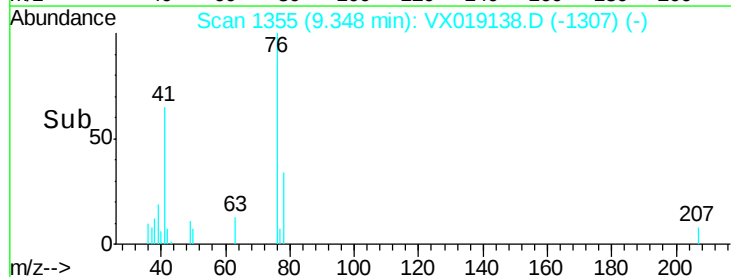
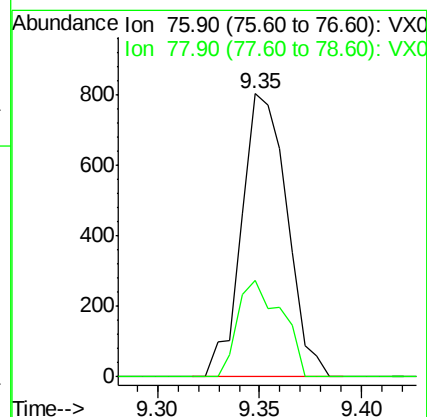
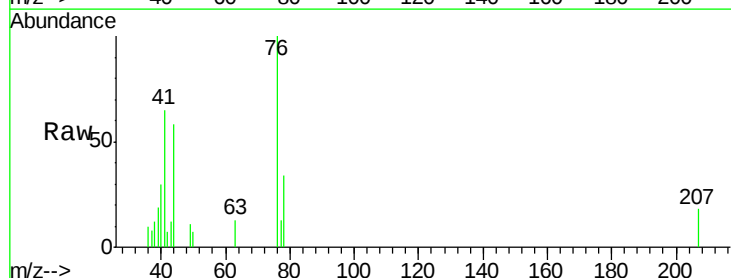
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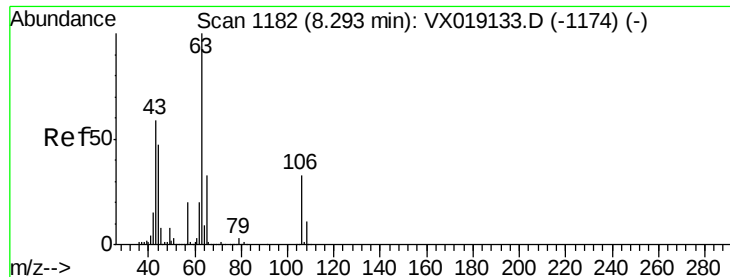
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#57
 1,3-Dichloropropane
 Concen: 0.233 ug/l
 RT: 9.35 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9





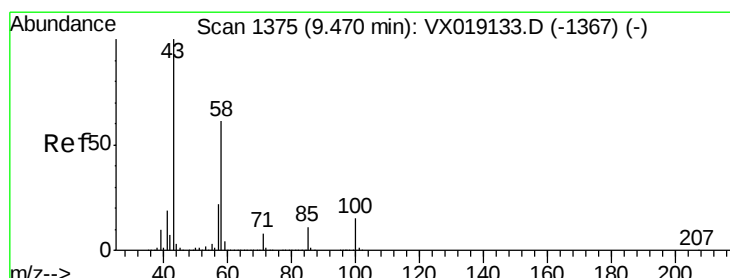
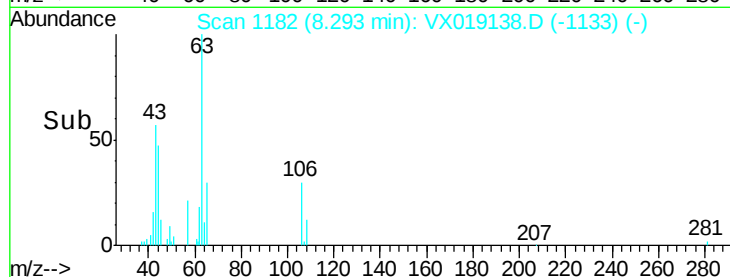
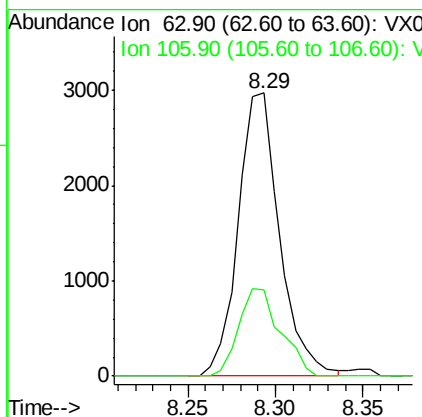
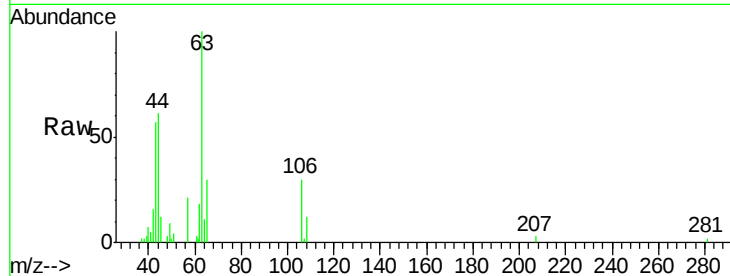
#58
2-Chloroethyl Vinyl ether
Concen: 1.837 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 4897
Ion Ratio Lower Upper
63 100
106 31.0 25.1 37.7

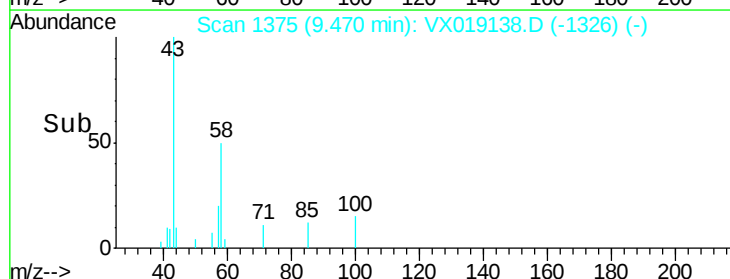
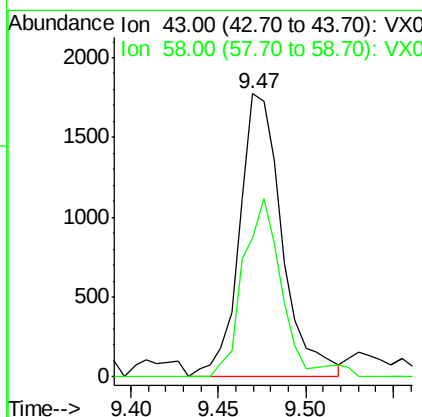
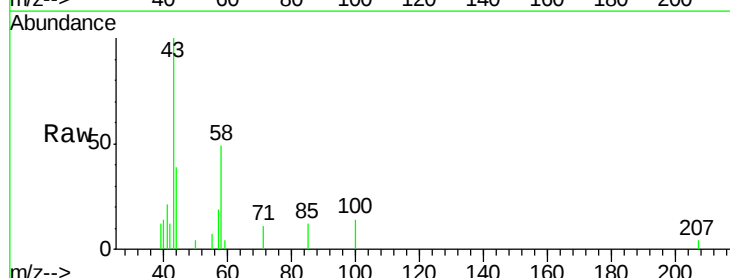
Manual Integrations
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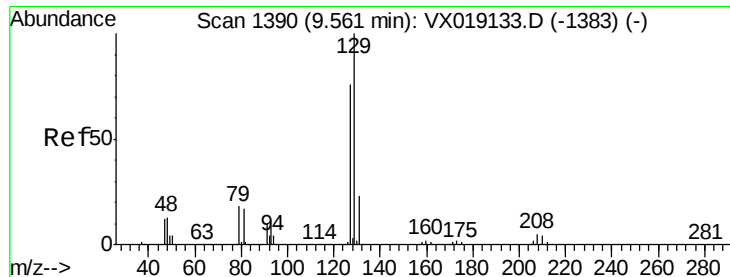
MMDadoda
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#59
2-Hexanone
Concen: 1.019 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
58 55.4 30.5 91.5





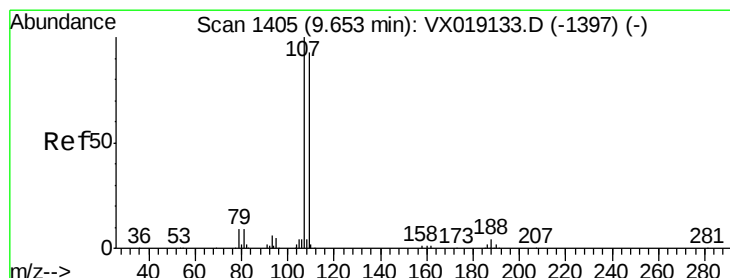
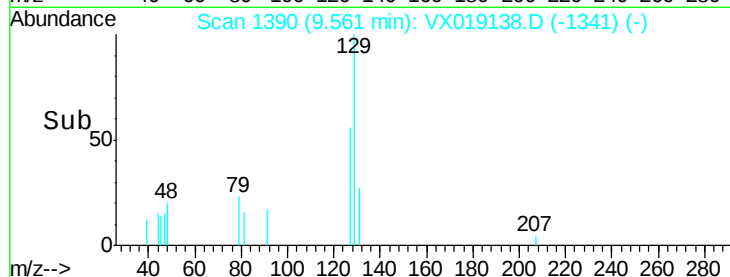
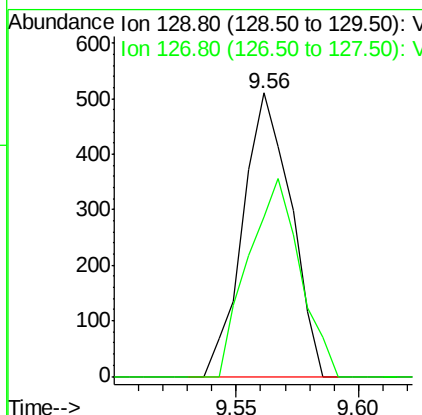
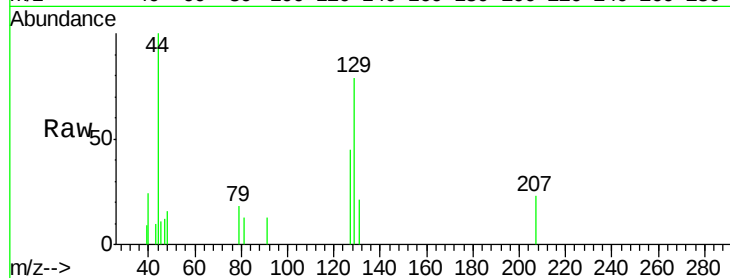
#60
Dibromochloromethane
Concen: 0.205 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.6	115.8

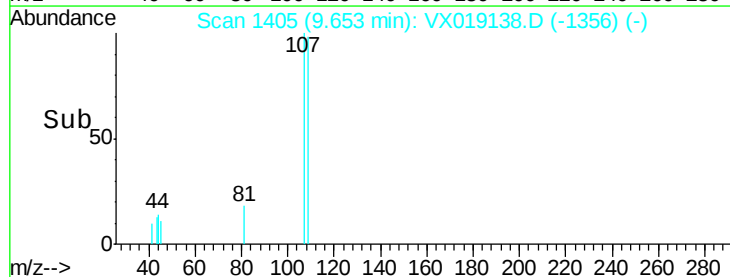
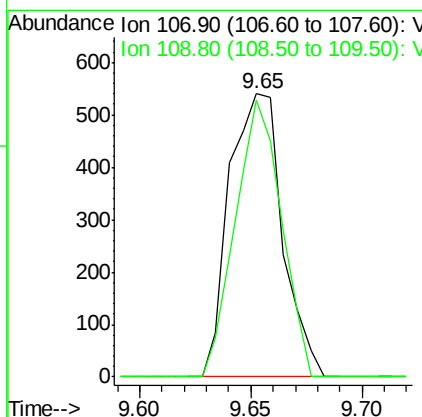
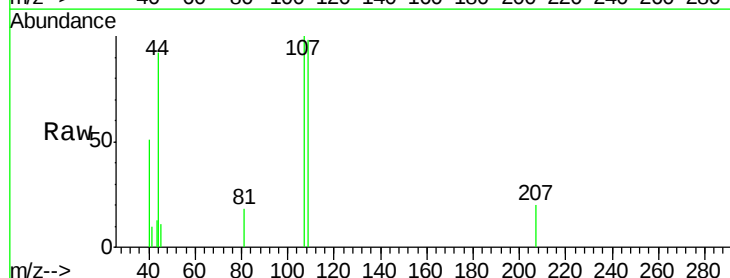
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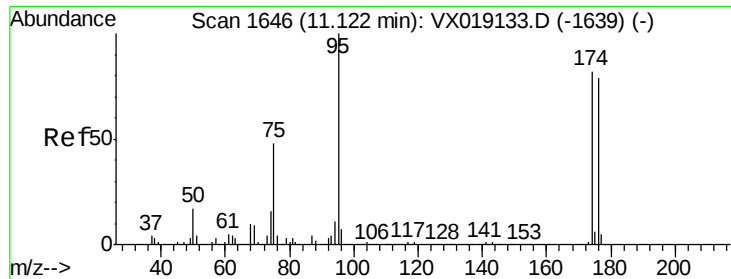
MMDadoda
10/28/2020 12:32:58 PM



#61
1,2-Dibromoethane
Concen: 0.265 ug/l
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
107	100		
109	84.9	75.9	113.9





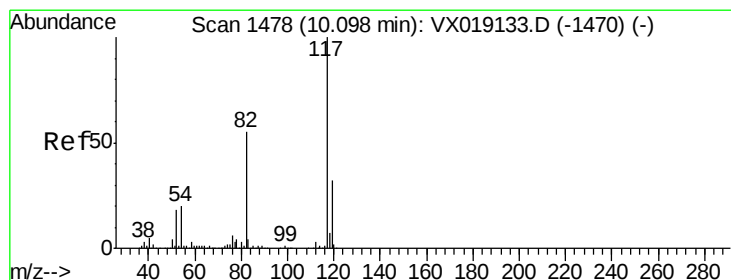
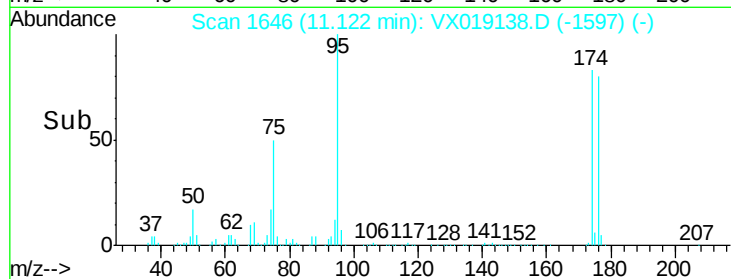
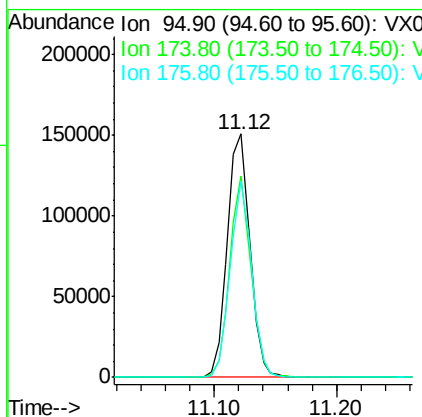
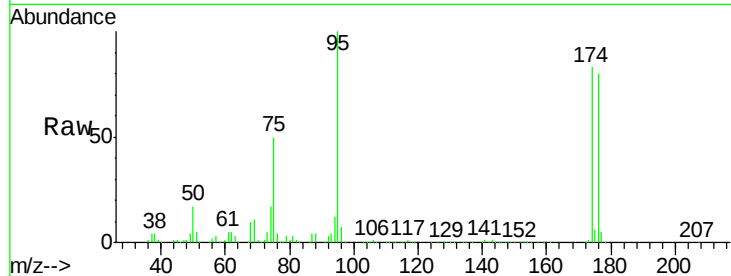
#62
4-Bromofluorobenzene
Concen: 45.330 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	192575		
174	77.6	0.0	156.0	
176	76.4	0.0	149.8	

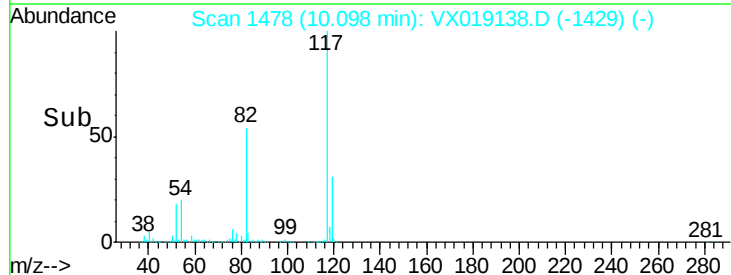
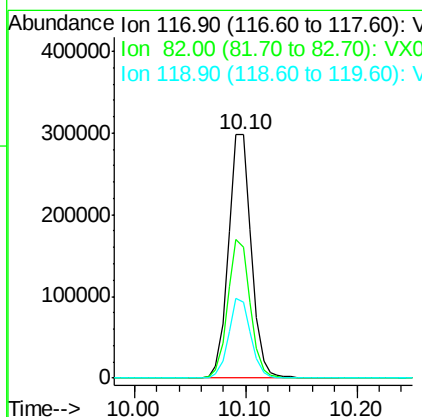
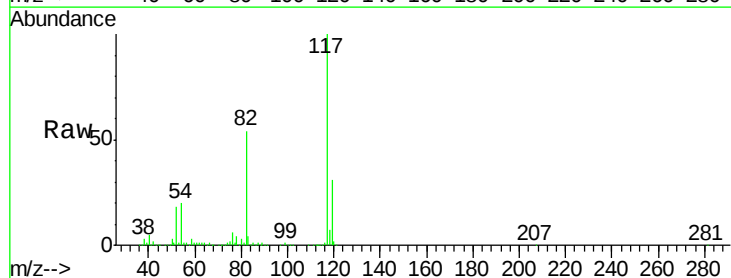
Manual Integrations
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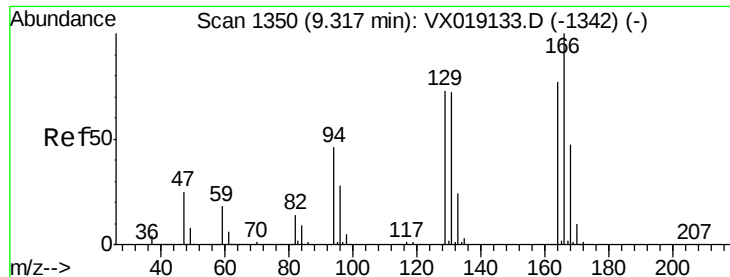
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	421671		
82	53.9	43.6	65.4	
119	31.3	25.5	38.3	





#64

Tetrachloroethene

Concen: 0.305 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:164 Resp: 980

Ion Ratio Lower Upper

164 100

166 154.8 104.1 156.1

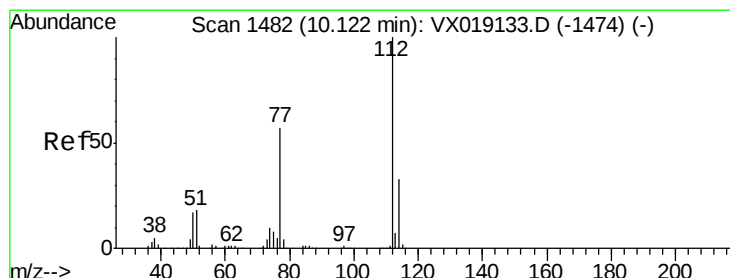
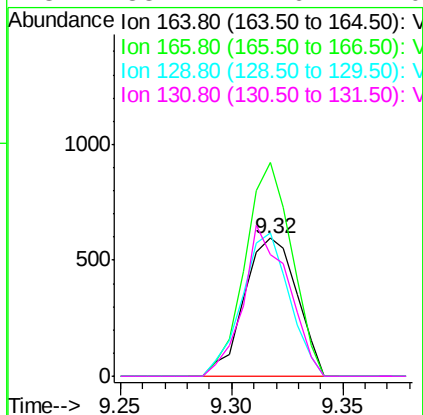
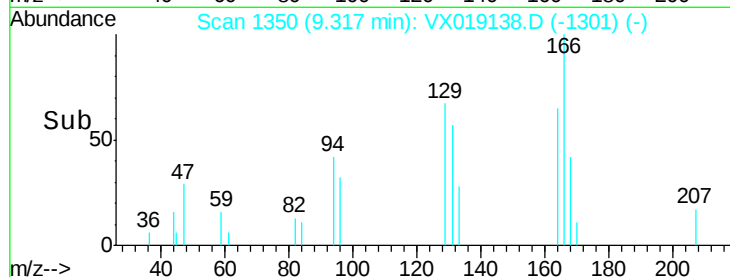
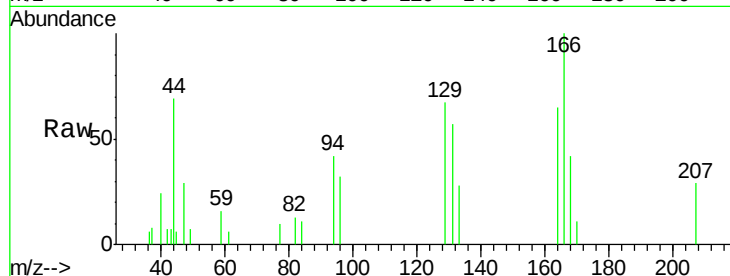
129 103.5 76.2 114.4

131 88.4 74.6 112.0

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#65

Chlorobenzene

Concen: 0.260 ug/l

RT: 10.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VX019138.D

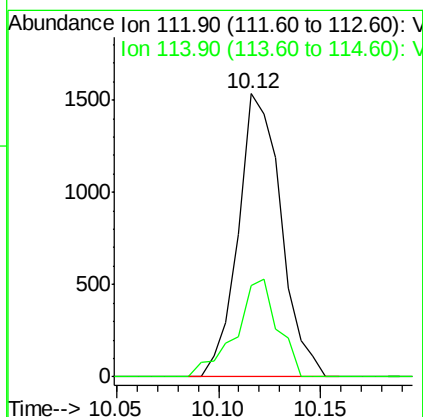
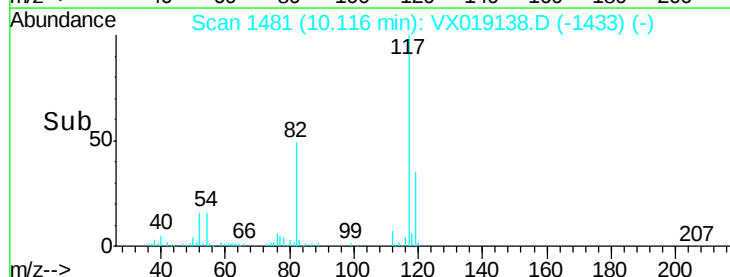
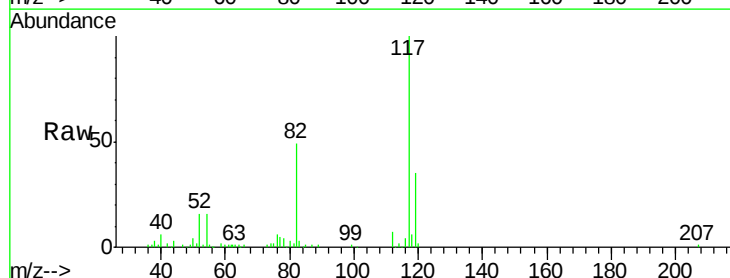
Acq: 27 Oct 2020 16:04

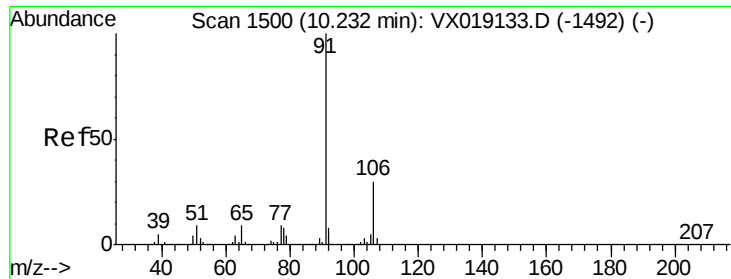
Tgt Ion:112 Resp: 2239

Ion Ratio Lower Upper

112 100

114 32.3 26.1 39.1





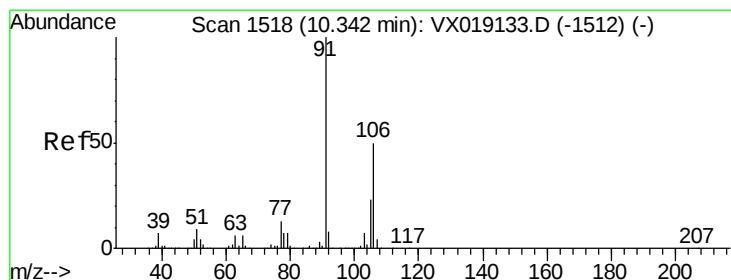
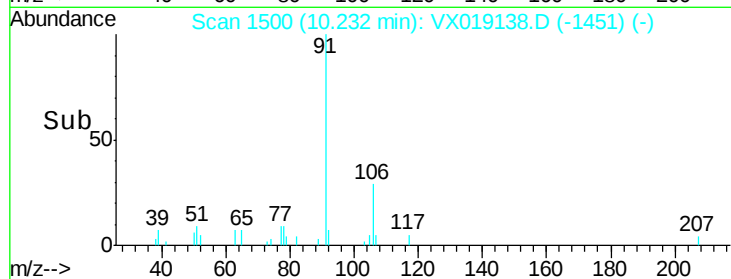
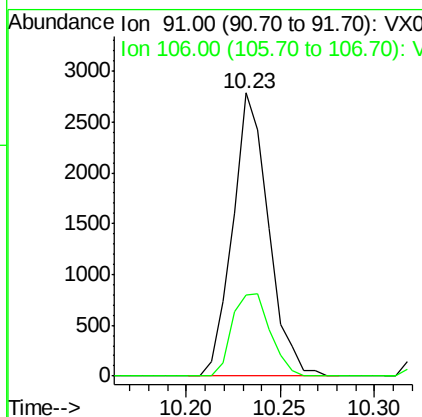
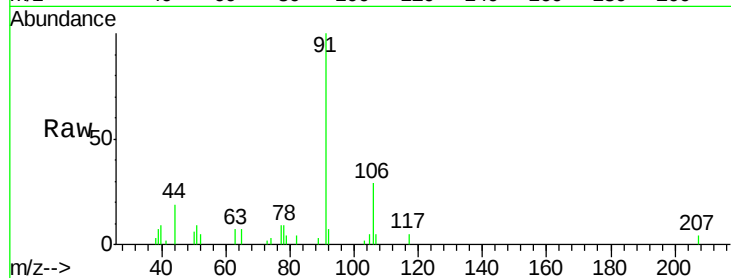
#67
Ethyl Benzene
Concen: 0.239 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.3	36.5

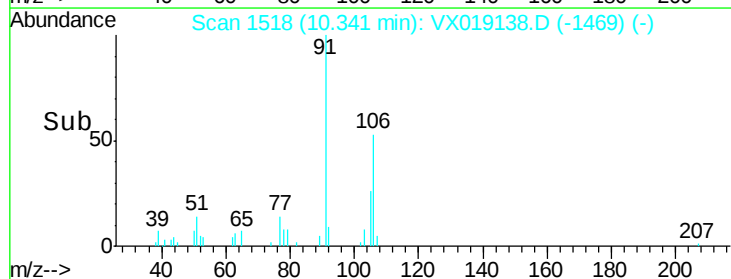
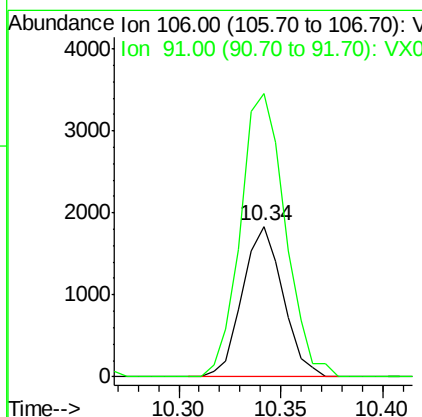
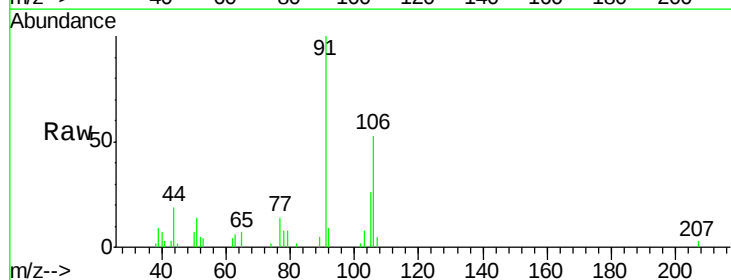
Manual Integrations
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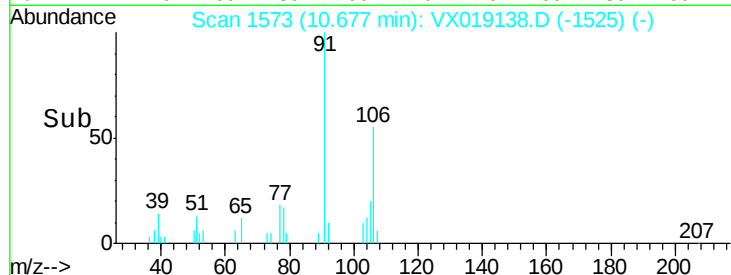
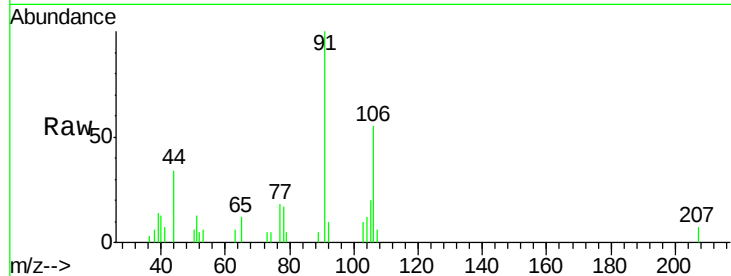
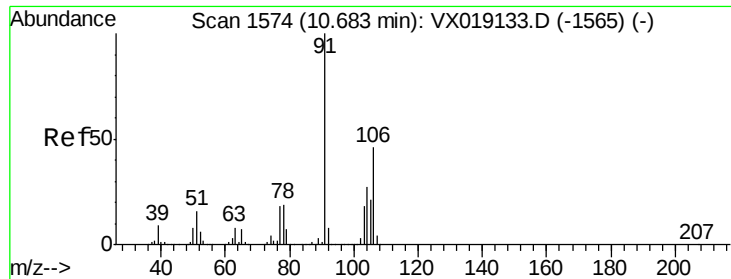
MMDadoda
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#68
m/p-Xylenes
Concen: 0.439 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.7	161.0	241.4





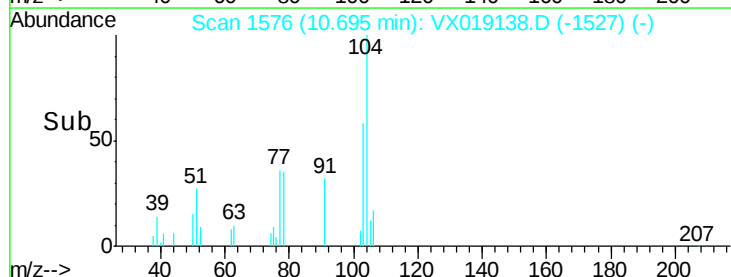
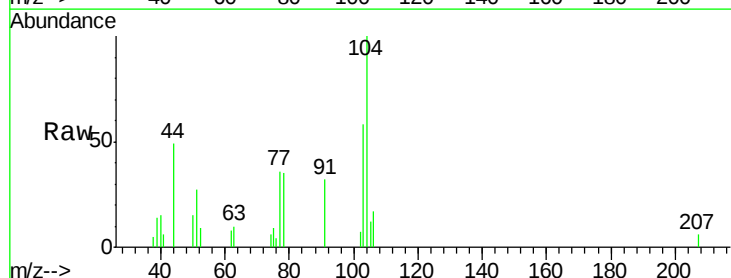
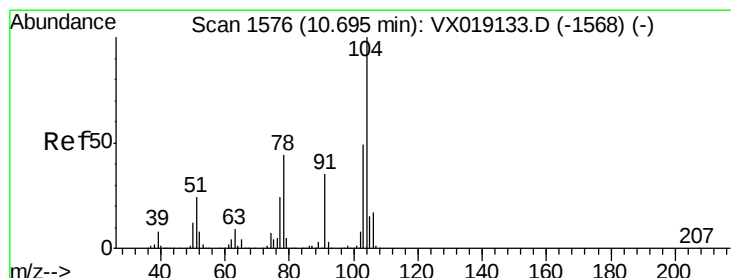
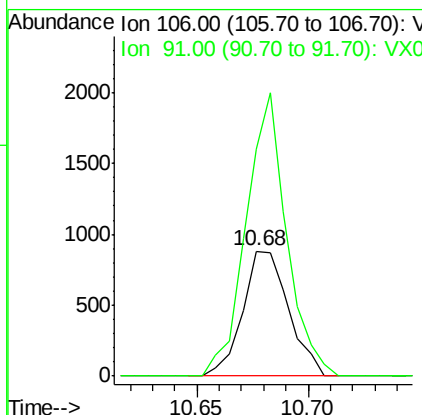
#69
o-Xylene
Concen: 0.231 ug/l
RT: 10.68 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tot Ion:106 Resp: 1263
Ion Ratio Lower Upper
106 100
91 200.3 108.3 324.8

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

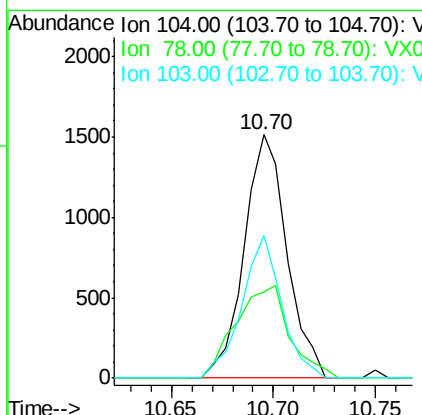
Manual Integrations
APPROVED

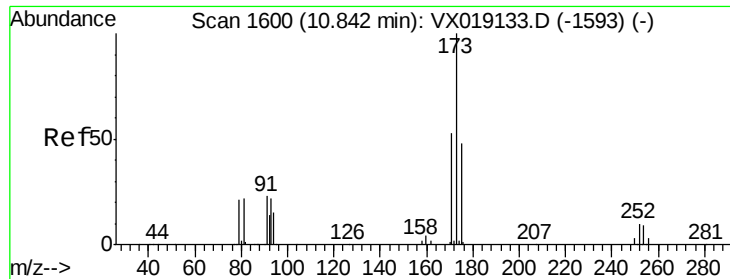
MMDadoda
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#70
Styrene
Concen: 0.236 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion:104 Resp: 2202
Ion Ratio Lower Upper
104 100
78 48.1 40.0 60.0
103 54.8 43.5 65.3





#71

Bromoform

Concen: 0.205 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

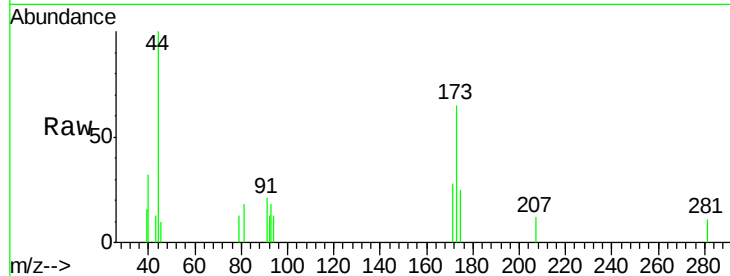
ClientSampleId :

MDL-WATER-03-QT4-2020

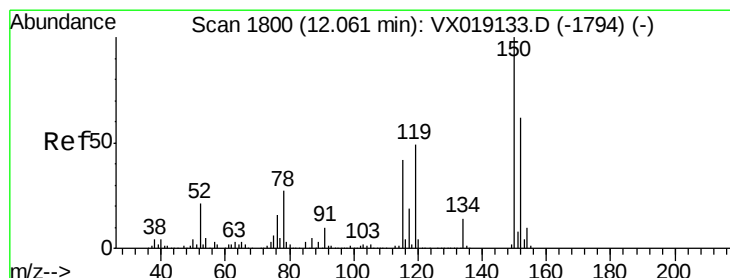
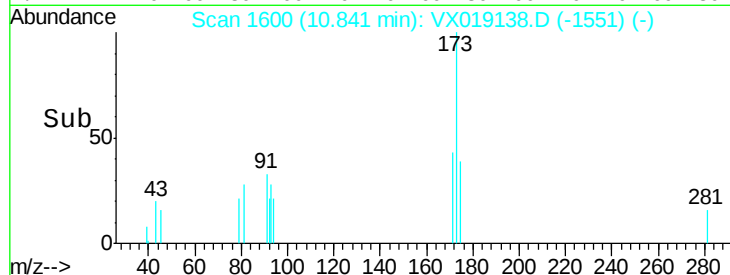
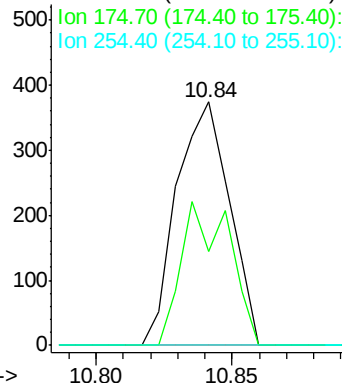
Tot Ion	Ratio	Lower	Upper
173	100		
175	53.6	24.4	73.4
254	0.0	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

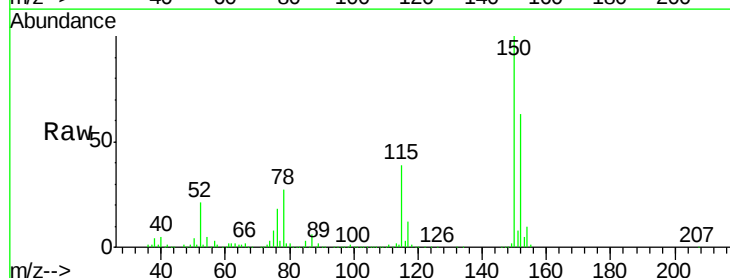
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

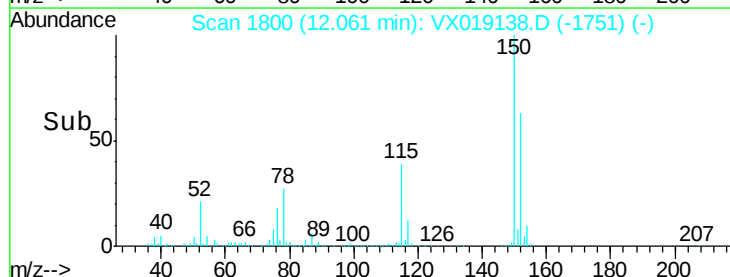
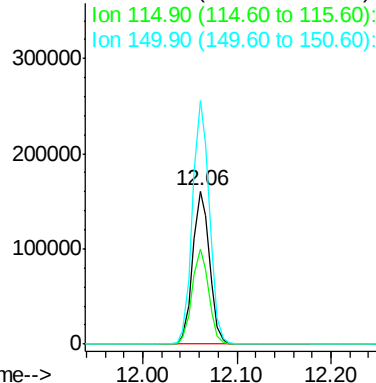
Lab File: VX019138.D

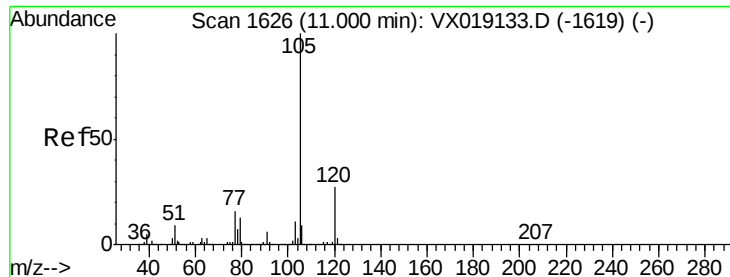
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	41.9	125.7
150	158.8	0.0	347.8



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





#73

Isopropylbenzene

Concen: 0.214 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 3018

Ion Ratio Lower Upper

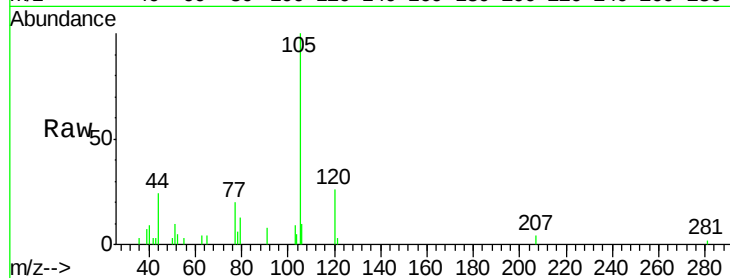
105 100

120 28.7 13.3 39.8

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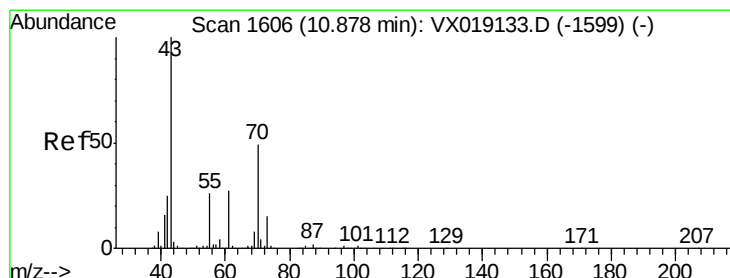
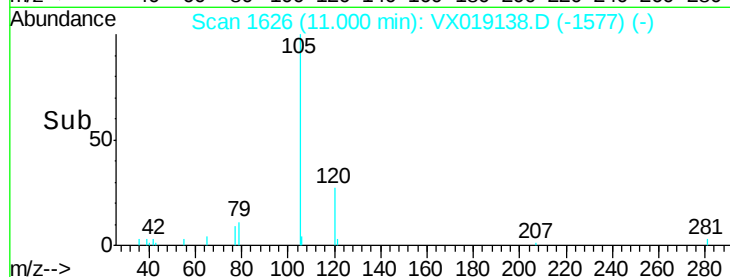
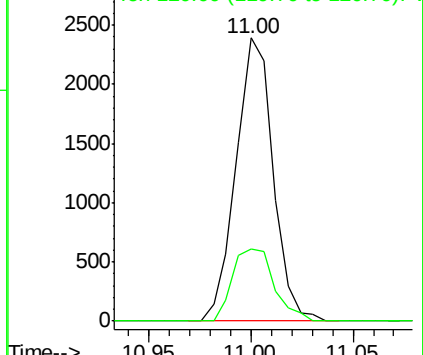
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.286 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

70 33.5 39.6 59.4#

55 25.9 20.7 31.1

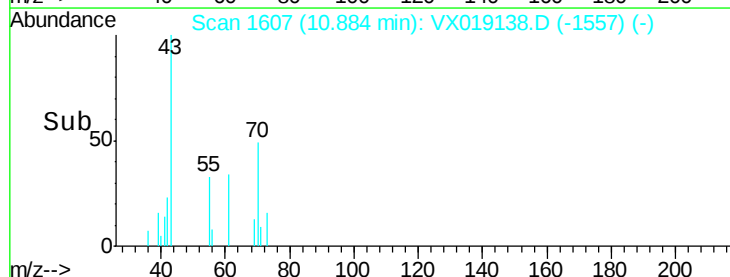
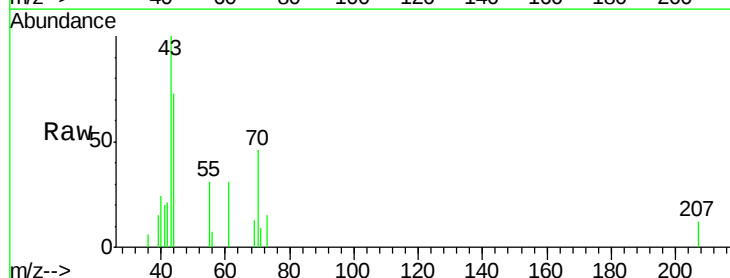
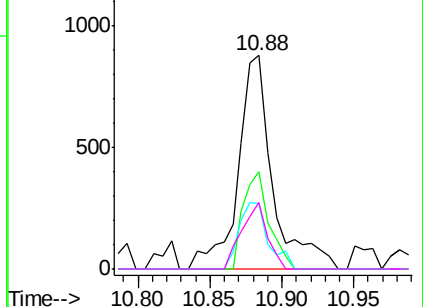
61 22.7 21.9 32.9

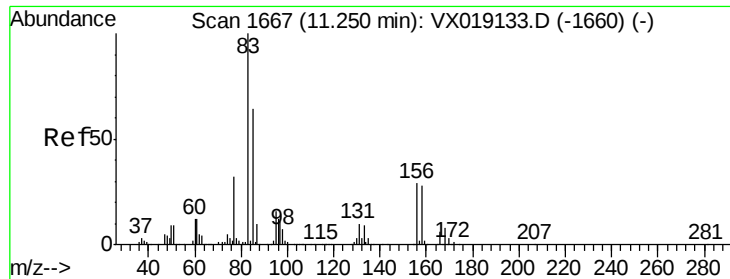
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.235 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

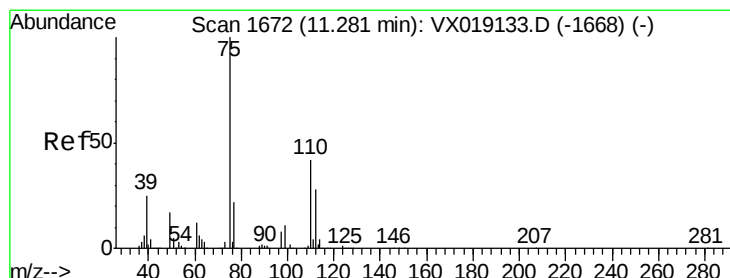
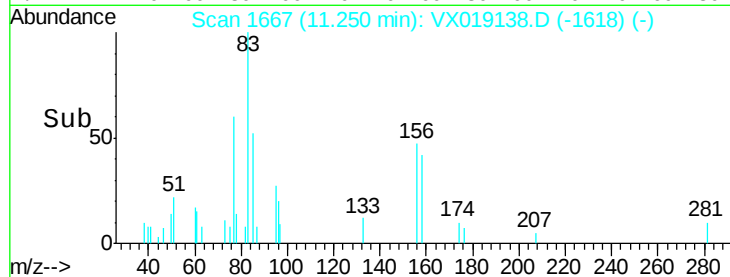
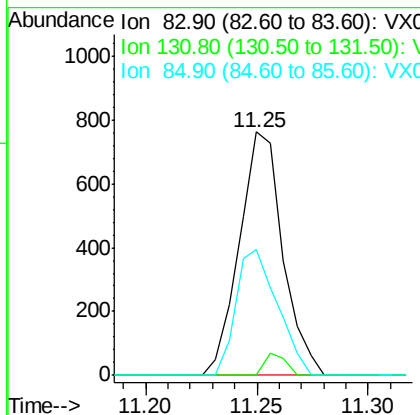
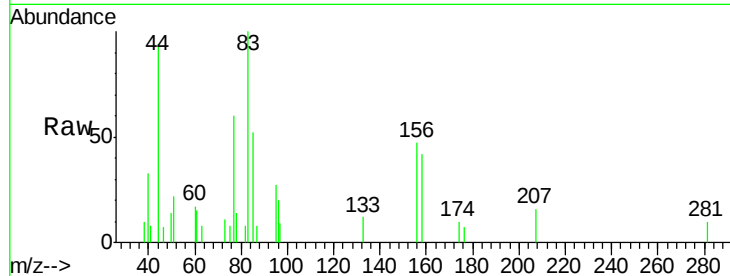
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	83	Resp	1036
Ion	Ratio	Lower	Upper
83	100		
131	4.2	5.2	15.6#
85	49.2	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 0.217 ug/l m

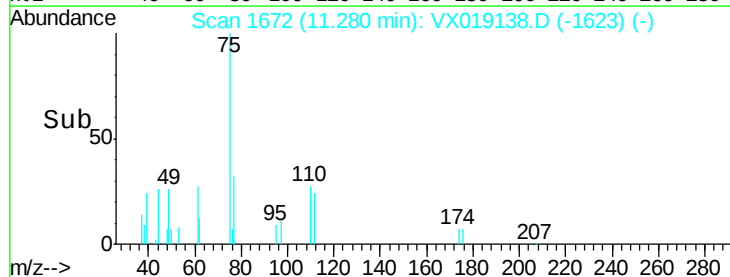
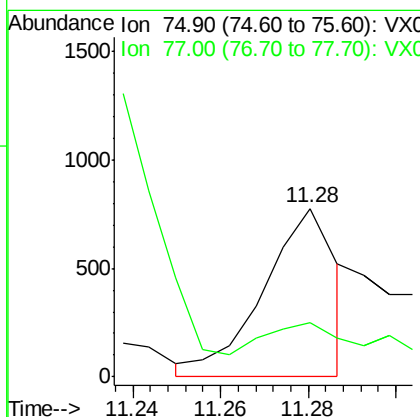
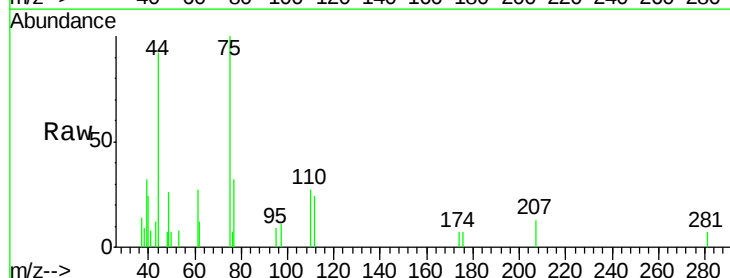
RT: 11.28 min Scan# 1672

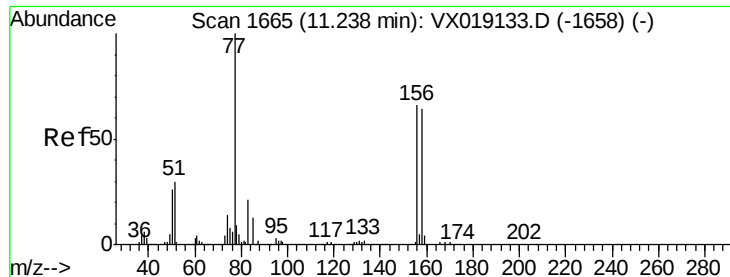
Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion	75	Resp	892
Ion	Ratio	Lower	Upper
75	100		
77	117.9	20.3	60.9#





#77

Bromobenzene

Concen: 0.283 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

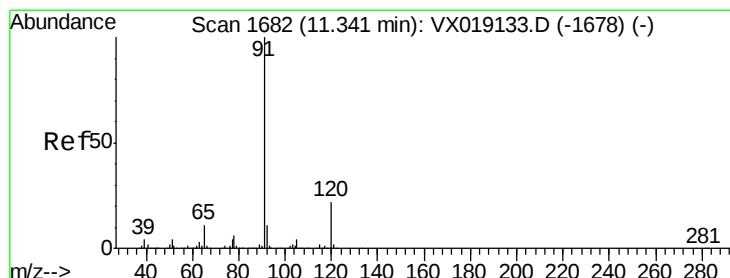
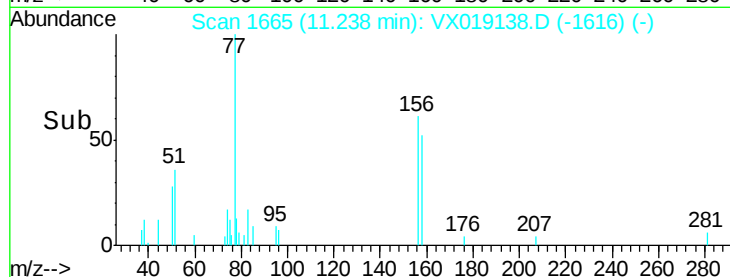
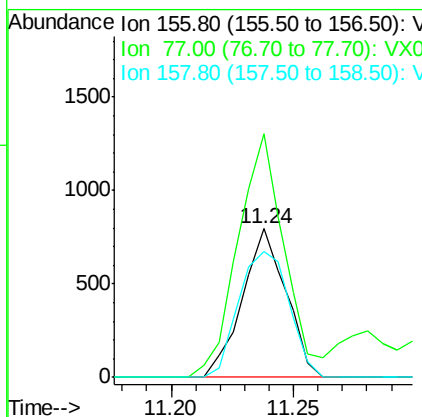
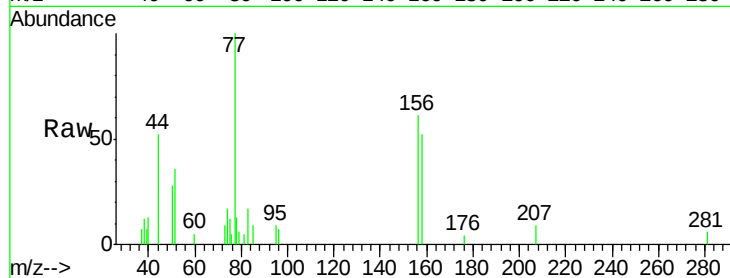
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.2	77.7	233.1
158	97.7	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 0.249 ug/l

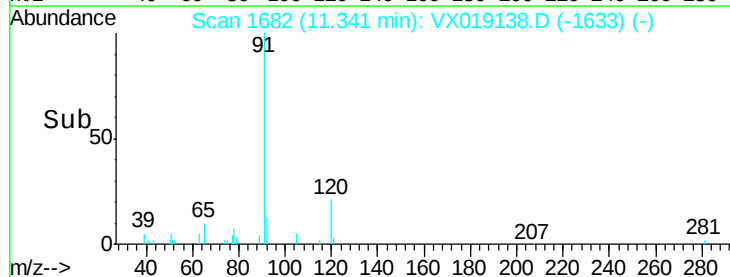
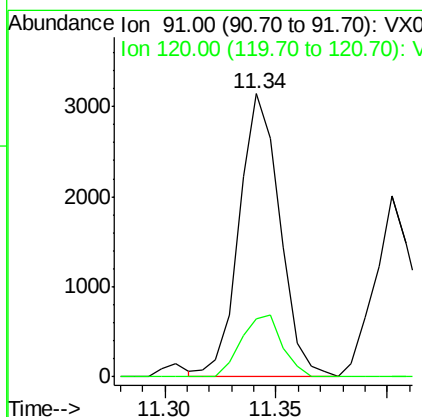
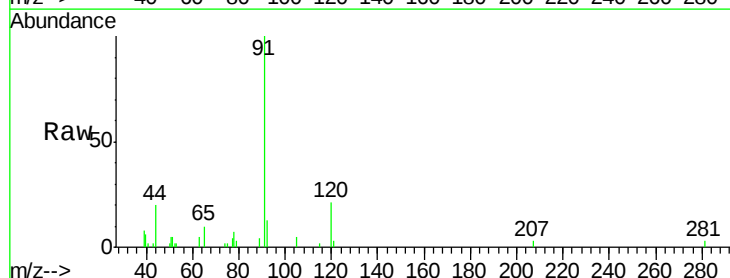
RT: 11.34 min Scan# 1682

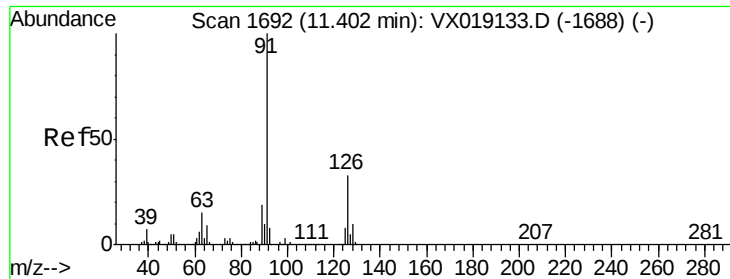
Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.7	35.0





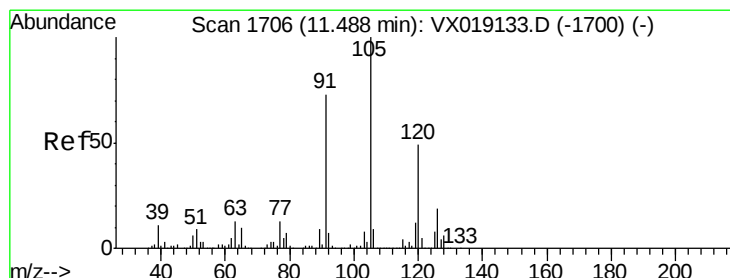
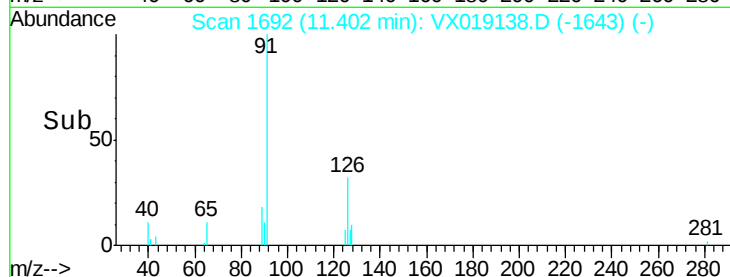
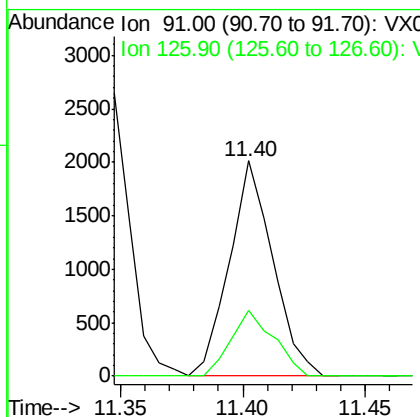
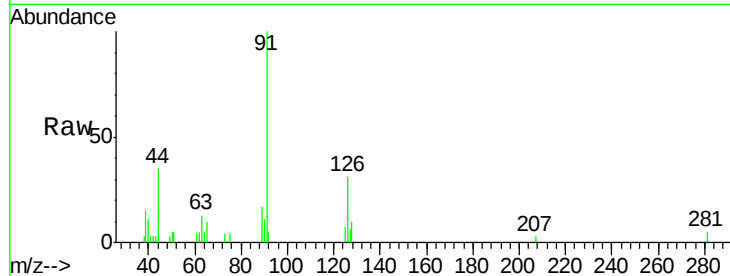
#79
 2-Chlorotoluene
 Concen: 0.264 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 2500
 Ion Ratio Lower Upper
 91 100
 126 29.8 16.9 50.7

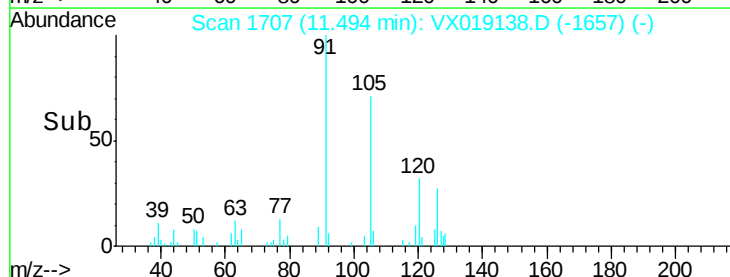
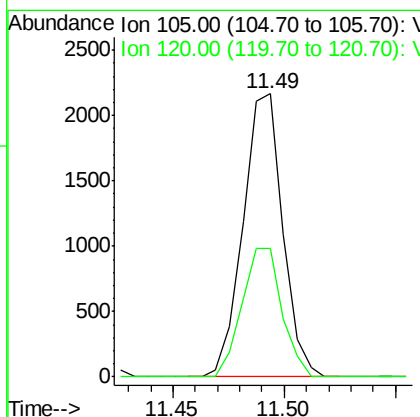
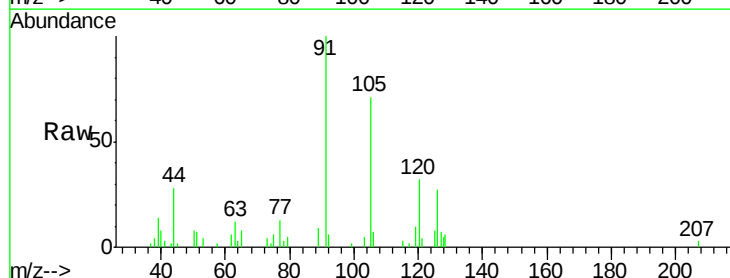
Manual Integrations
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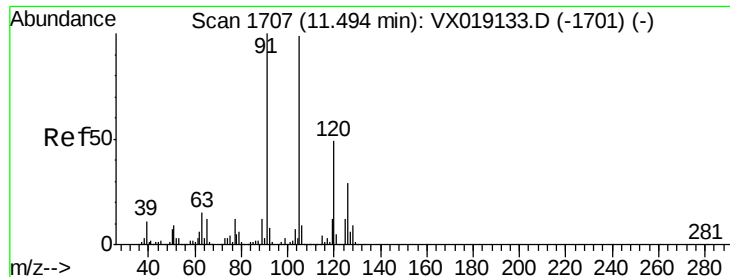
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#80
 1,3,5-Trimethylbenzene
 Concen: 0.226 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion: 105 Resp: 2692
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.3 72.8





#82

4-Chlorotoluene

Concen: 0.303 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 3507

Ion Ratio Lower Upper

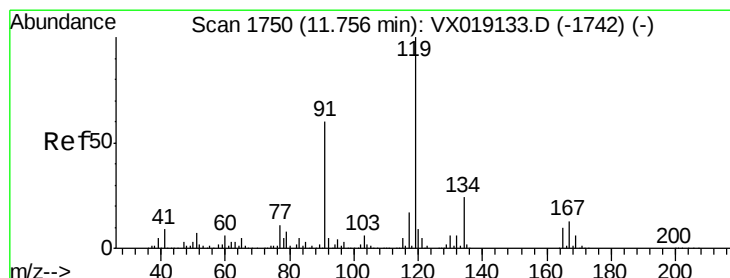
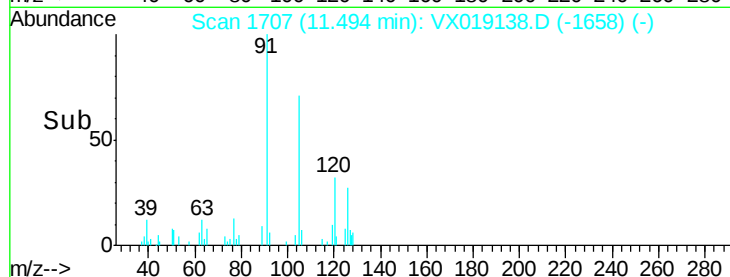
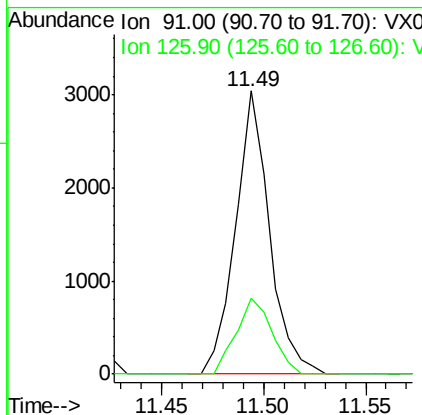
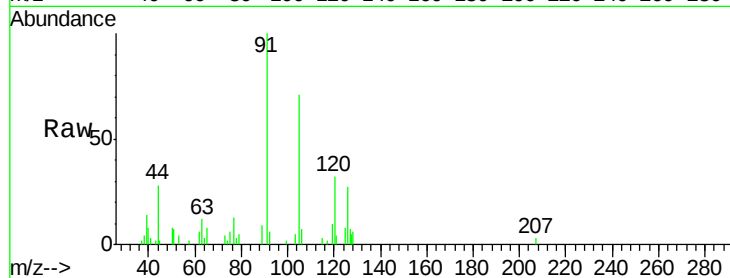
91 100

126 28.2 14.8 44.4

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#83

tert-Butylbenzene

Concen: 0.227 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

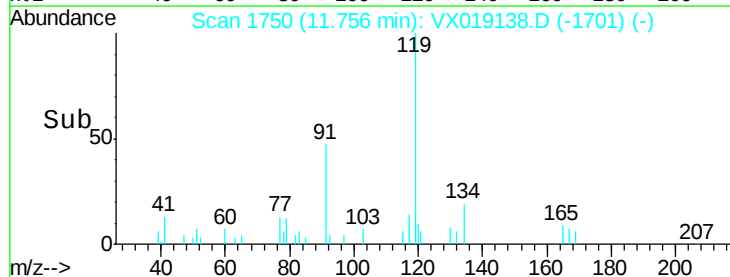
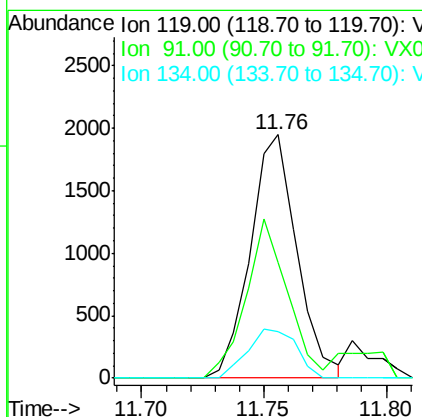
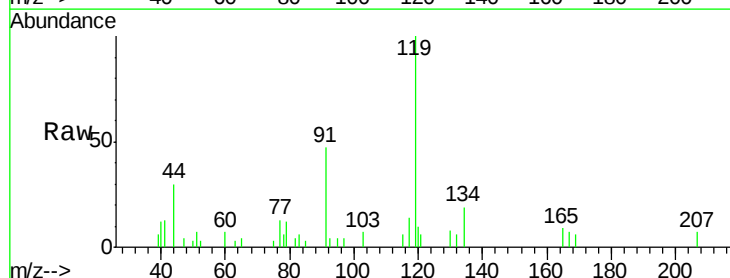
Tgt Ion: 119 Resp: 2594

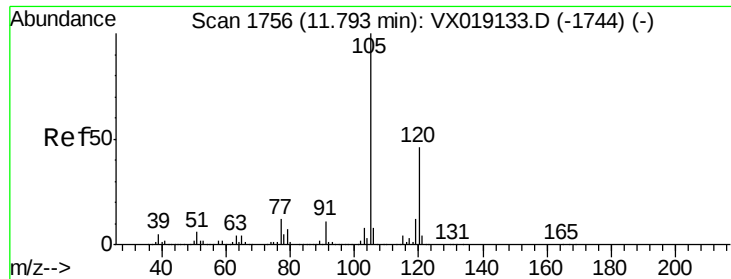
Ion Ratio Lower Upper

119 100

91 58.5 29.0 87.1

134 21.2 11.7 35.0





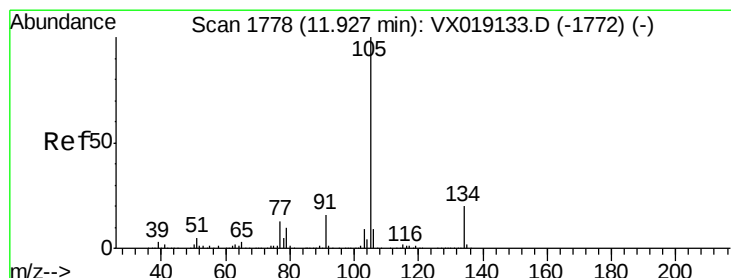
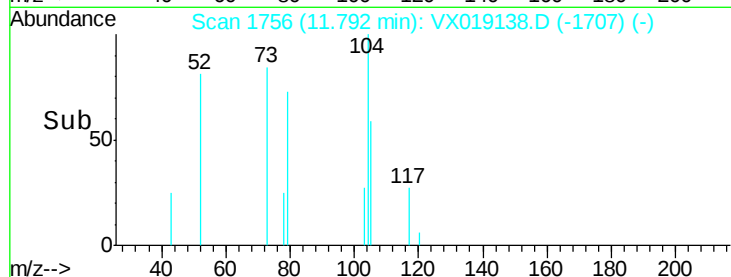
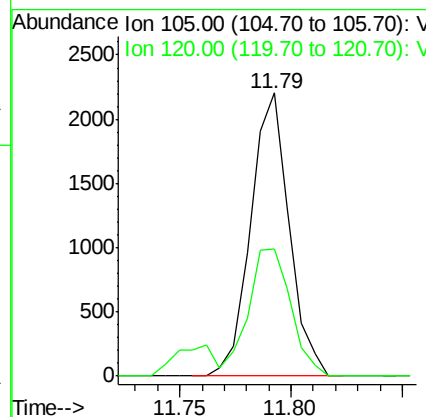
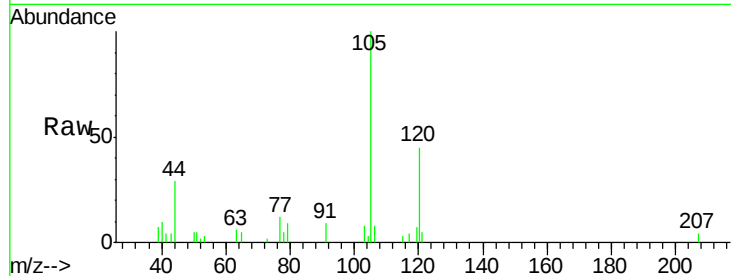
#84
 1,2,4-Trimethylbenzene
 Concen: 0.221 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.8	22.4	67.3

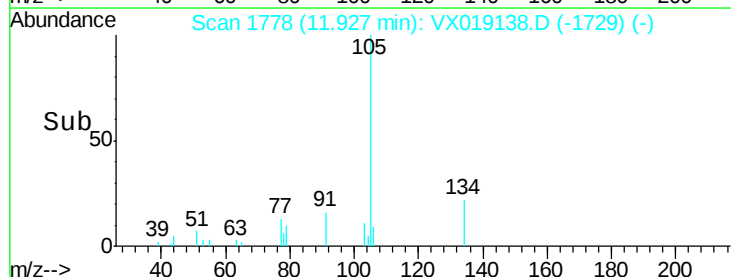
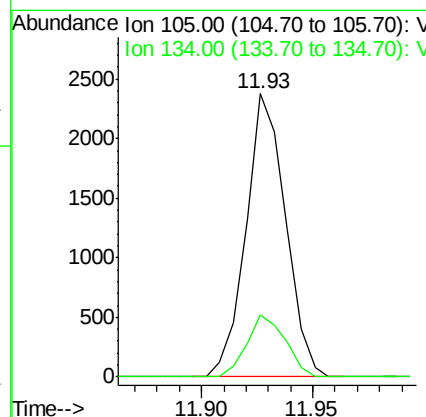
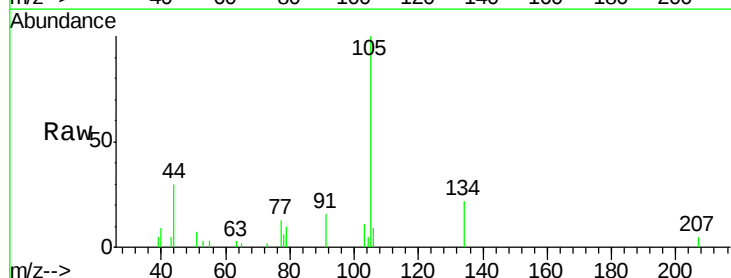
Manual Integrations
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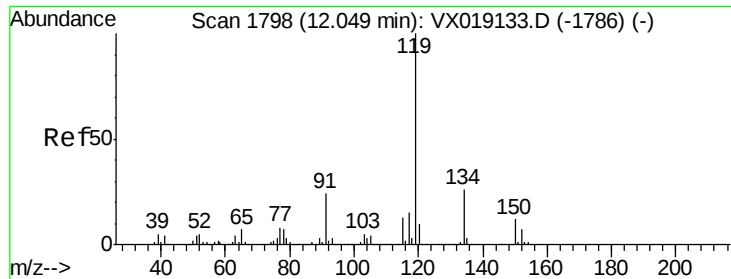
MMDadoda
 10/28/2020 12:32:58 PM



#85
 sec-Butylbenzene
 Concen: 0.215 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.1	30.1





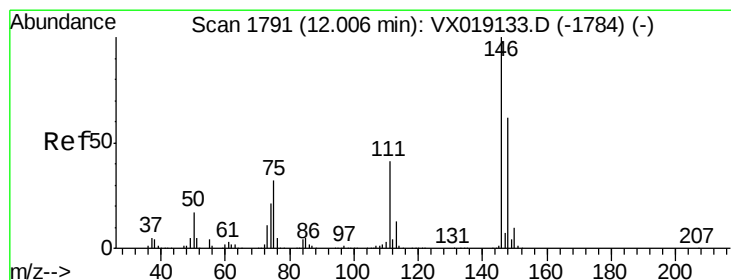
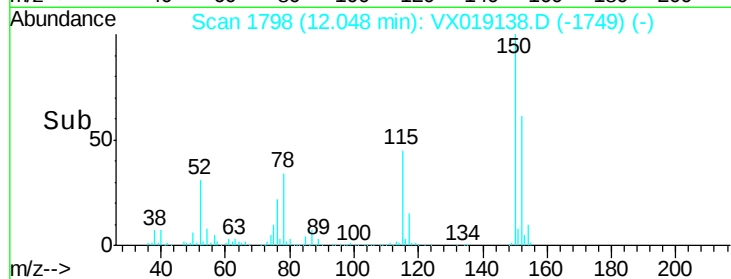
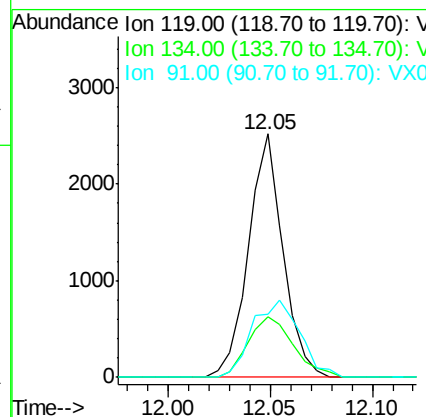
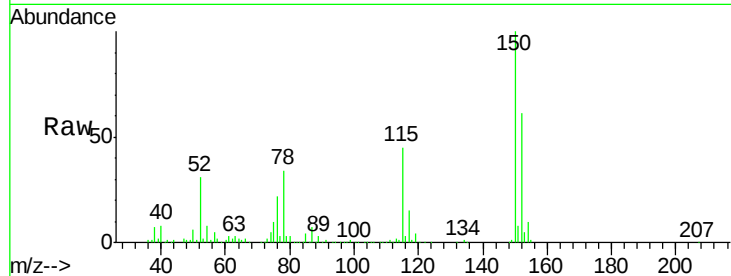
#86
p-Isopropyltoluene
Concen: 0.234 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	2958		
134	32.8		12.9	38.7
91	43.6		12.0	36.0

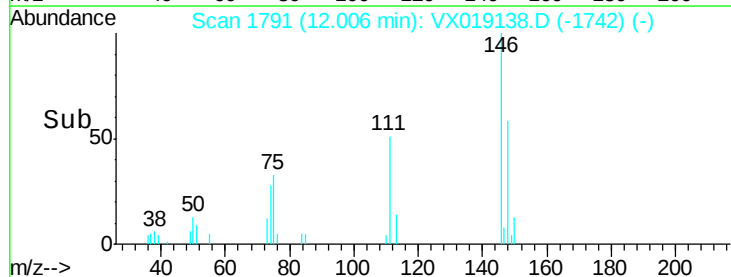
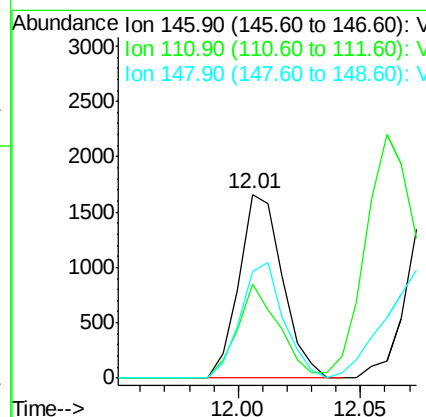
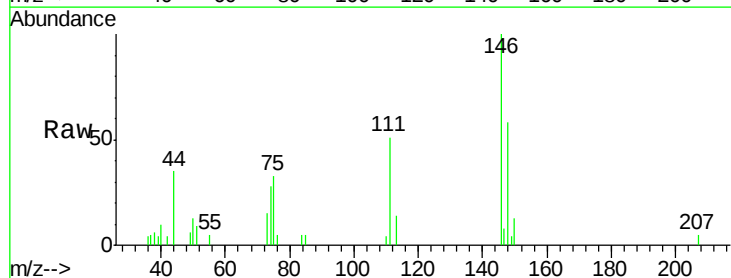
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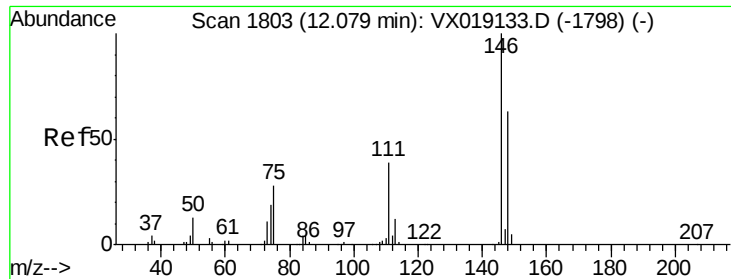
MMDadoda
10/28/2020 12:32:58 PM



#87
1,3-Dichlorobenzene
Concen: 0.315 ug/l
RT: 12.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	2053		
111	48.8		20.4	61.2
148	62.4		31.6	94.8





#88

1,4-Dichlorobenzene

Concen: 0.396 ug/l m

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

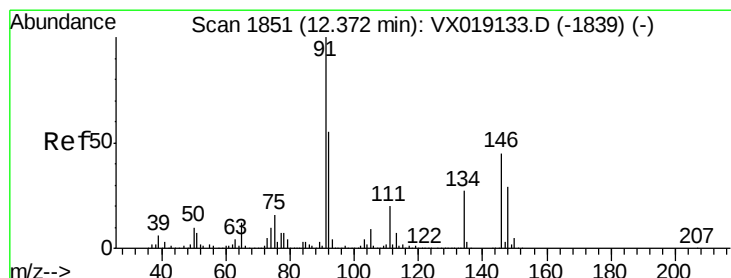
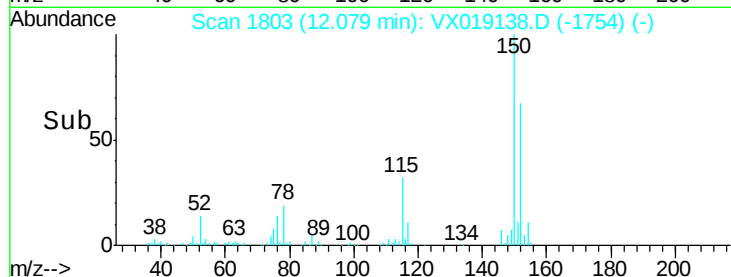
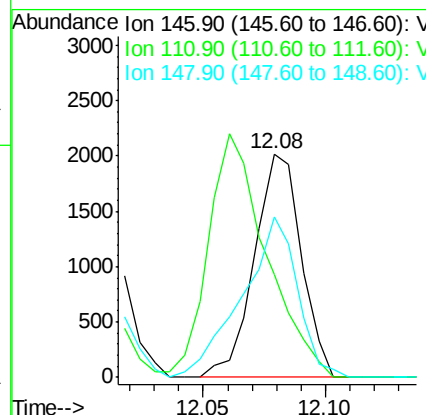
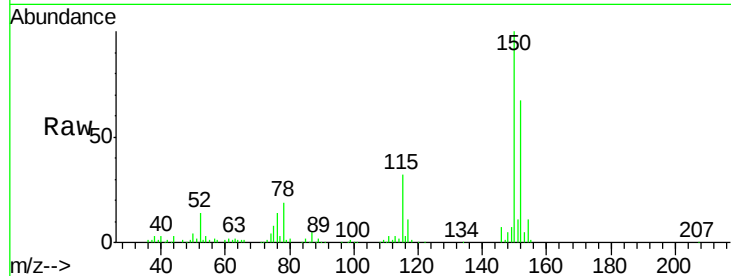
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	146	Resp:	2688
Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.2	60.5
148	47.7	31.3	93.8

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#89

n-Butylbenzene

Concen: 0.250 ug/l

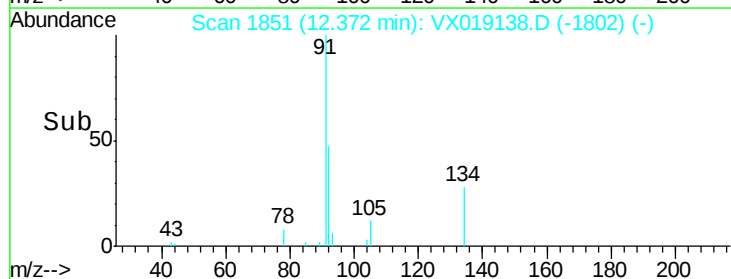
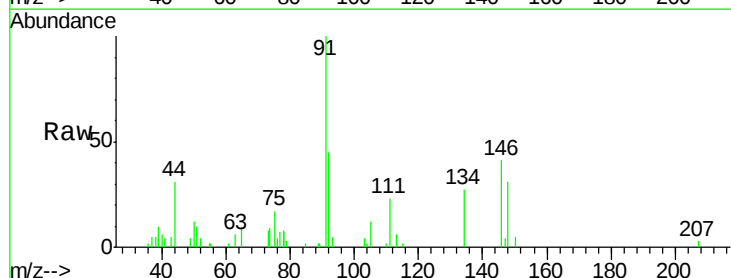
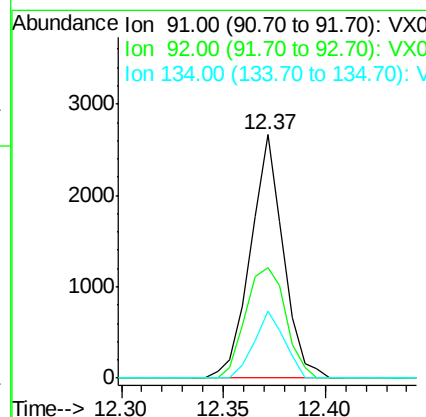
RT: 12.37 min Scan# 1851

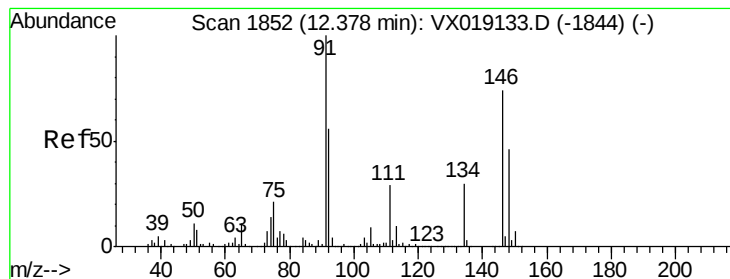
Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	91	Resp:	2976
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.4
134	25.3	13.2	39.6





#91

1,2-Dichlorobenzene

Concen: 0.262 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

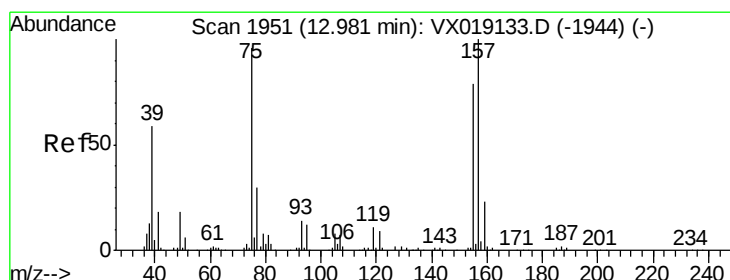
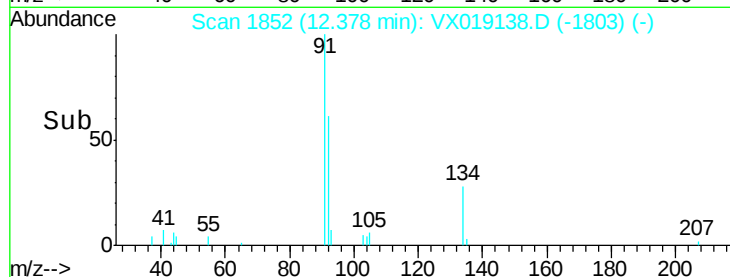
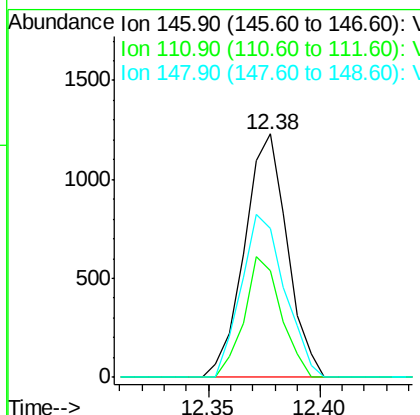
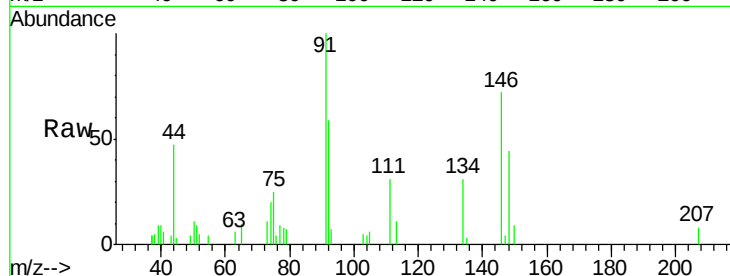
ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion:	146	Resp:	1644
Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	68.2	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.207 ug/l

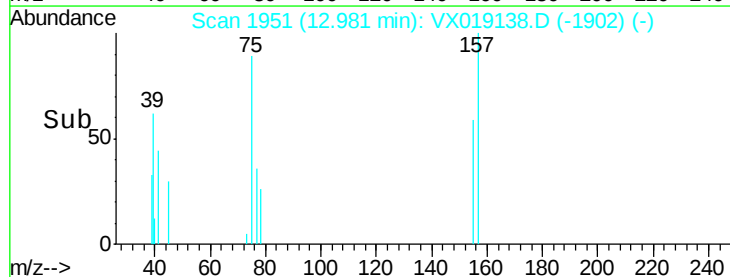
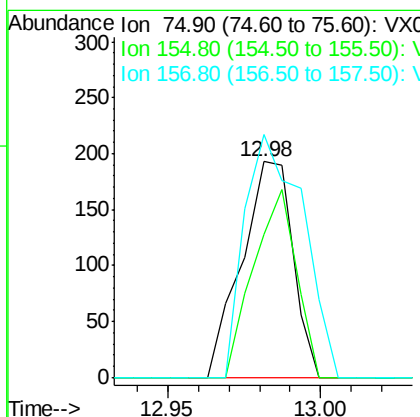
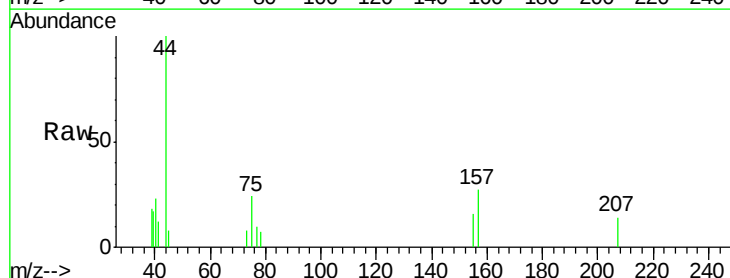
RT: 12.98 min Scan# 1951

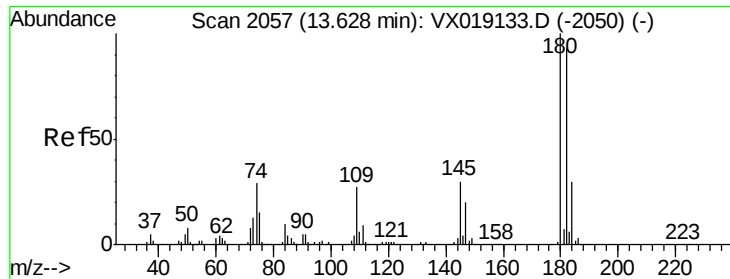
Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion:	75	Resp:	224
Ion	Ratio	Lower	Upper
75	100		
155	72.8	42.8	128.4
157	127.7	54.8	164.4





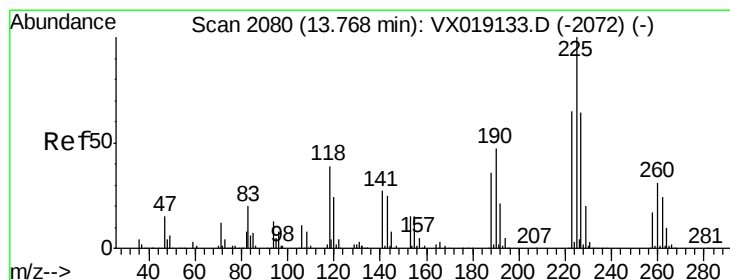
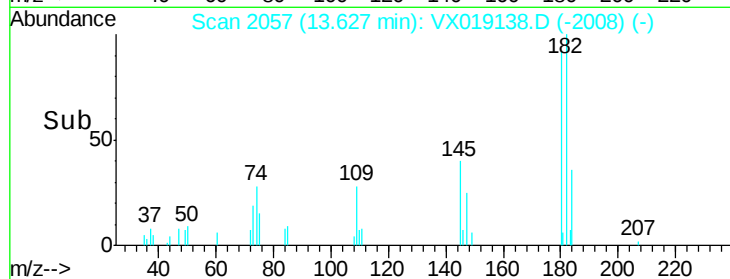
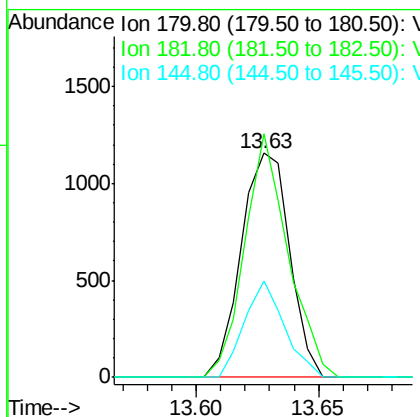
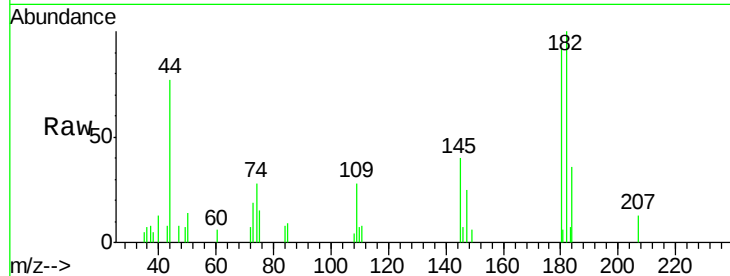
#93
 1,2,4-Trichlorobenzene
 Concen: 0.339 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.8	140.3
145	35.5	15.5	46.5

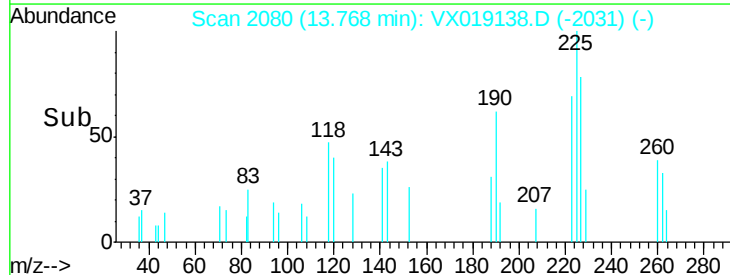
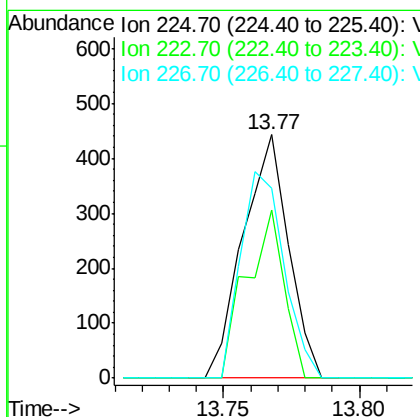
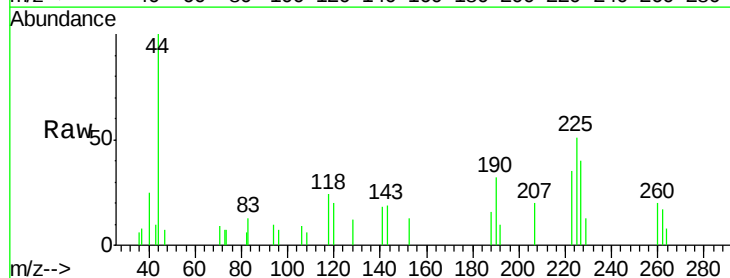
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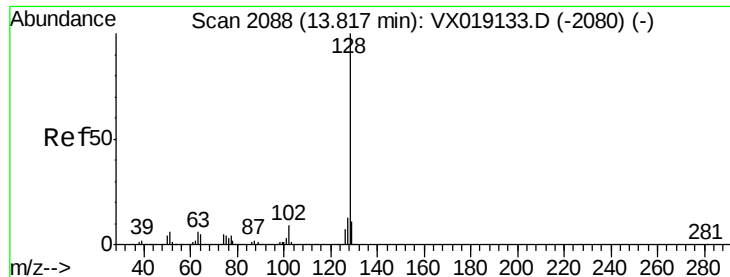
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#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.2	32.4	97.2
227	80.9	31.6	94.7





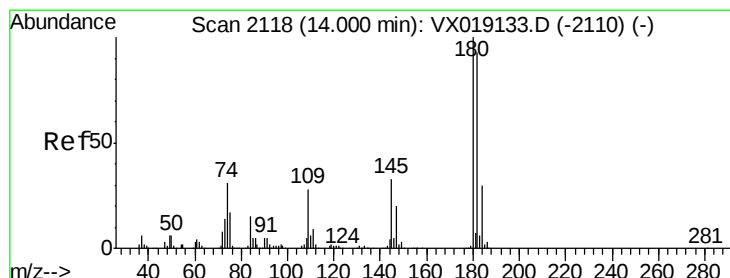
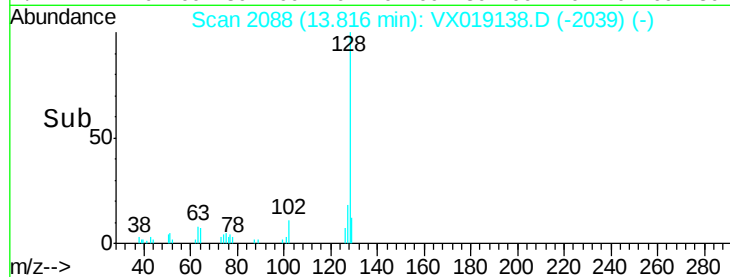
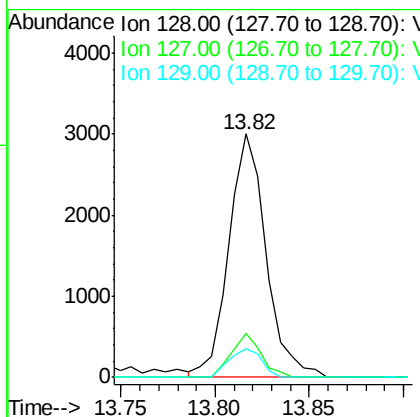
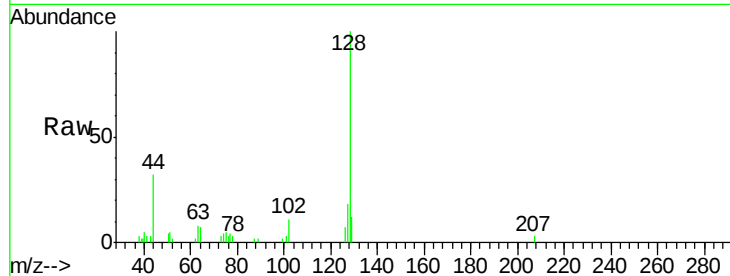
#95
Naphthalene
Concen: 0.277 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.3	15.5
129	10.3	8.6	13.0

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10/28/2020 12:32:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.288 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.8	143.3
145	35.1	16.5	49.5

