

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101920\
 Data File : VX018964.D
 Acq On : 19 Oct 2020 20:38
 Operator : JC/SP
 Sample : L4214-07 .5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

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 10/20/2020 4:52:34 PM

Quant Time: Oct 20 10:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 20 10:01:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	85124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	157747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	135911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	61429	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	60098	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	5.46	113	47723	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.70	98	186533	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.12	95	62176	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	368	0.481	ug/l	96
3) Chloromethane	1.31	50	470	0.564	ug/l #	79
4) Vinyl Chloride	1.39	62	597	0.534	ug/l	94
5) Bromomethane	1.64	94	937	1.006	ug/l	90
6) Chloroethane	1.72	64	436	0.541	ug/l #	86
7) Trichlorofluoromethane	1.92	101	1014	0.538	ug/l	86
8) Diethyl Ether	2.17	74	398	0.532	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.36	101	558	0.537	ug/l #	85
10) Methyl Iodide	2.50	142	363	0.371	ug/l #	82
11) Tert butyl alcohol	3.01	59	949	3.748	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	662	0.597	ug/l #	76
13) Acrolein	2.28	56	770	4.619	ug/l #	79
14) Allyl chloride	2.71	41	1079	0.807	ug/l #	74
15) Acrylonitrile	3.12	53	1157	2.481	ug/l	96
16) Acetone	2.42	43	1239	2.594	ug/l	89
17) Carbon Disulfide	2.55	76	1934	0.768	ug/l	97
18) Methyl Acetate	2.75	43	865	0.818	ug/l #	81
19) Methyl tert-butyl Ether	3.17	73	1439	0.504	ug/l	91
20) Methylene Chloride	2.84	84	632	0.626	ug/l #	90
21) trans-1,2-Dichloroethene	3.14	96	647	0.637	ug/l	97
22) Diisopropyl ether	3.82	45	1233	0.498	ug/l #	73
23) Vinyl Acetate	3.79	43	5764	2.413	ug/l	100
24) 1,1-Dichloroethane	3.67	63	799	0.471	ug/l #	82
25) 2-Butanone	4.65	43	2112	3.073	ug/l	96
26) 2,2-Dichloropropane	4.57	77	744	0.468	ug/l #	70
27) cis-1,2-Dichloroethene	4.57	96	632	0.536	ug/l	94
28) Bromochloromethane	4.98	49	361	0.506	ug/l #	60
29) Tetrahydrofuran	5.10	42	1238	3.066	ug/l #	74
30) Chloroform	5.18	83	936	0.510	ug/l #	76
31) Cyclohexane	5.56	56	870	0.649	ug/l #	82
32) 1,1,1-Trichloroethane	5.47	97	840	0.507	ug/l #	48
36) 1,1-Dichloropropene	5.78	75	856	0.571	ug/l	94
37) Ethyl Acetate	4.80	43	855	0.577	ug/l #	67
38) Carbon Tetrachloride	5.76	117	792m	0.512	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	905	0.561	ug/l #	82
40) Benzene	6.12	78	1994	0.462	ug/l #	85
41) Methacrylonitrile	5.02	41	507m	0.661	ug/l	
42) 1,2-Dichloroethane	6.16	62	831	0.561	ug/l #	72
43) Isopropyl Acetate	6.41	43	1259	0.527	ug/l #	77
44) Trichloroethene	7.18	130	620	0.520	ug/l	94
45) 1,2-Dichloropropane	7.49	63	548	0.513	ug/l	91
46) Dibromomethane	7.64	93	372	0.487	ug/l	99
47) Bromodichloromethane	7.88	83	689	0.447	ug/l #	77
48) Methyl methacrylate	7.75	41	651	0.588	ug/l #	76
49) 1,4-Dioxane	7.73	88	244	9.618	ug/l #	40
51) 4-Methyl-2-Pentanone	8.62	43	3259	2.349	ug/l	93
52) Toluene	8.76	92	1406	0.504	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	817	0.466	ug/l	93
54) cis-1,3-Dichloropropene	8.42	75	830	0.449	ug/l #	88
55) 1,1,2-Trichloroethane	9.20	97	464	0.424	ug/l #	87
56) Ethyl methacrylate	9.16	69	705	0.419	ug/l #	69
57) 1,3-Dichloropropane	9.35	76	884	0.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1954	2.106	ug/l	97
59) 2-Hexanone	9.48	43	2517	2.387	ug/l	90
60) Dibromochloromethane	9.57	129	495	0.408	ug/l	90
61) 1,2-Dibromoethane	9.66	107	541	0.456	ug/l	92
64) Tetrachloroethene	9.32	164	554	0.577	ug/l #	89
65) Chlorobenzene	10.12	112	1496	0.526	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.21	131	493	0.472	ug/l #	60
67) Ethyl Benzene	10.24	91	2475	0.501	ug/l	90
68) m/p-Xylenes	10.34	106	1738	0.908	ug/l	85
69) o-Xylene	10.68	106	791	0.428	ug/l	83
70) Styrene	10.70	104	1399	0.451	ug/l	96
71) Bromoform	10.84	173	285	0.341	ug/l #	93
73) Isopropylbenzene	11.00	105	2216	0.498	ug/l	92
74) N-amyl acetate	10.88	43	1051	0.629	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.25	83	730	0.503	ug/l #	91
76) 1,2,3-Trichloropropane	11.27	75	605m	0.453	ug/l	
77) Bromobenzene	11.24	156	615	0.570	ug/l	85
78) n-propylbenzene	11.35	91	2717	0.534	ug/l	97
79) 2-Chlorotoluene	11.40	91	1644	0.554	ug/l	89
80) 1,3,5-Trimethylbenzene	11.49	105	1904	0.513	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.05	75	254m	0.479	ug/l	
82) 4-Chlorotoluene	11.49	91	2051	0.575	ug/l	89
83) tert-Butylbenzene	11.75	119	1695	0.457	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	1887	0.508	ug/l	93
85) sec-Butylbenzene	11.93	105	2212	0.507	ug/l	97
86) p-Isopropyltoluene	12.05	119	2027	0.508	ug/l #	87
87) 1,3-Dichlorobenzene	12.01	146	1145	0.566	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1303m	0.619	ug/l	
89) n-Butylbenzene	12.37	91	2120	0.583	ug/l	97
90) Hexachloroethane	12.58	117	242	0.372	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	994	0.511	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	180	0.546	ug/l	74

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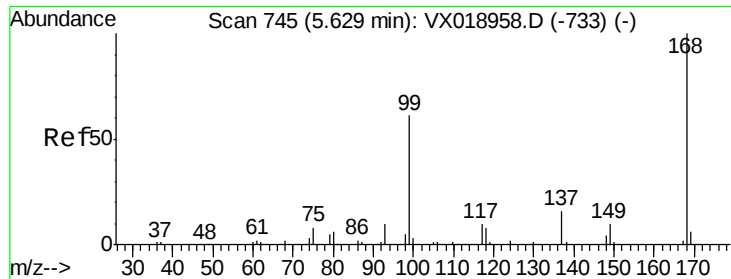
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	872	0.647	ug/l	98
94) Hexachlorobutadiene	13.76	225	356	0.635	ug/l	93
95) Naphthalene	13.82	128	2354	0.513	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	740	0.567	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: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 85124

Ion Ratio Lower Upper

168 100

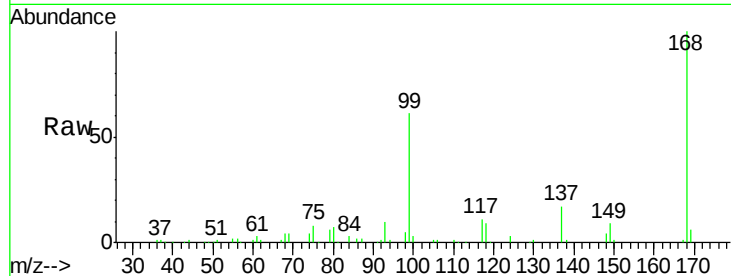
99 61.3 48.5 72.7

Manual Integrations

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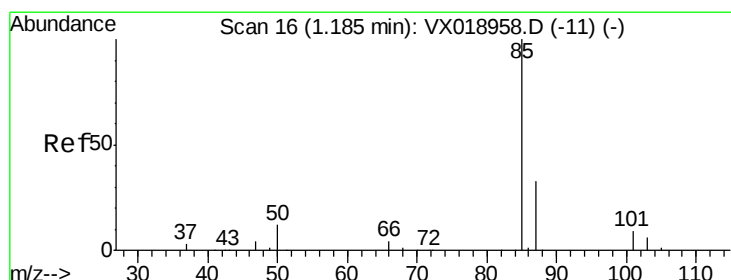
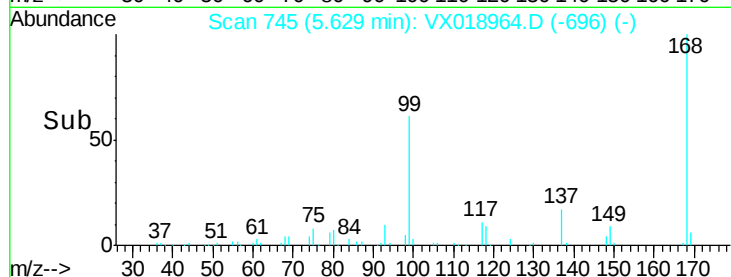
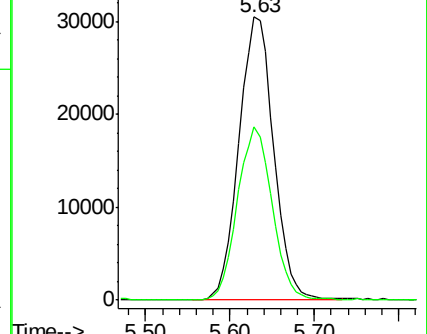
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.481 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018964.D

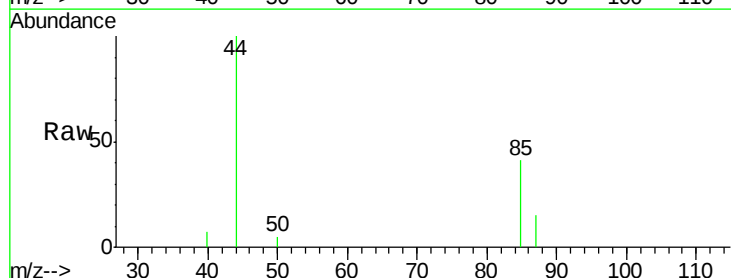
Acq: 19 Oct 2020 20:38

Tgt Ion: 85 Resp: 368

Ion Ratio Lower Upper

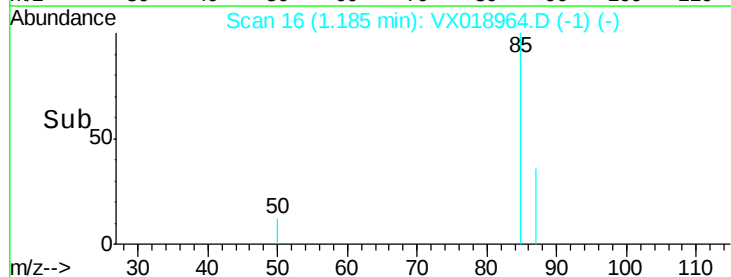
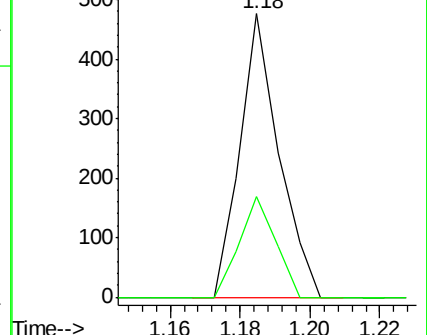
85 100

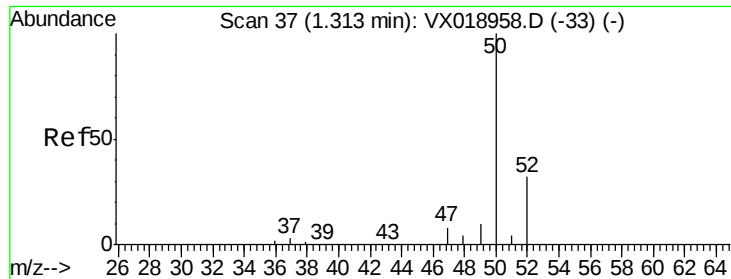
87 35.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.564 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 470

Ion Ratio Lower Upper

50 100

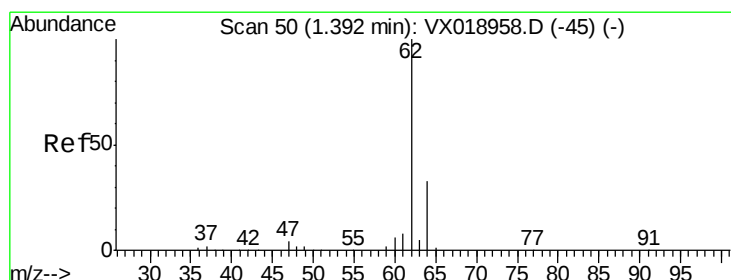
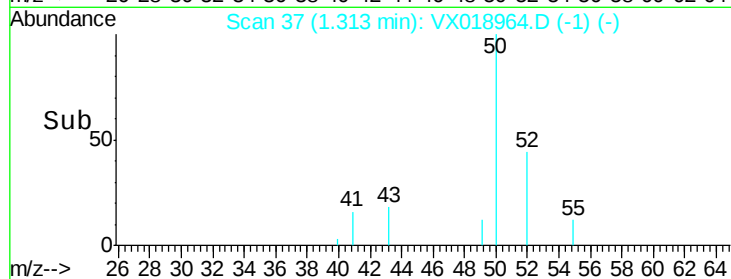
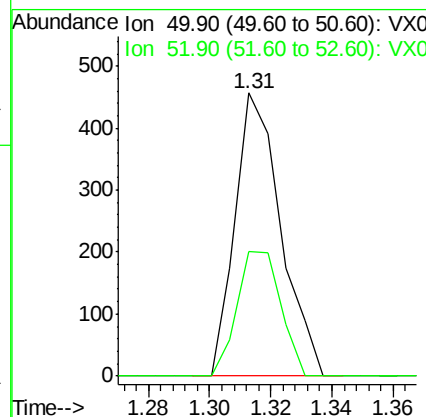
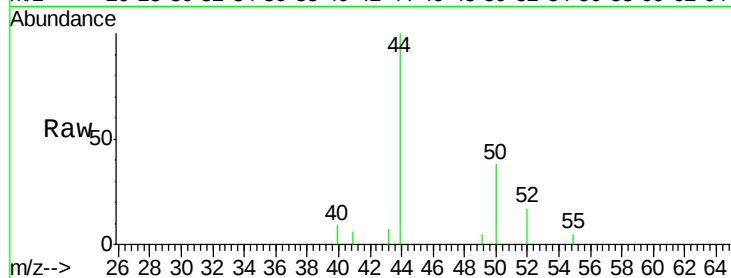
52 44.0 25.9 38.9#

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#4

Vinyl Chloride

Concen: 0.534 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018964.D

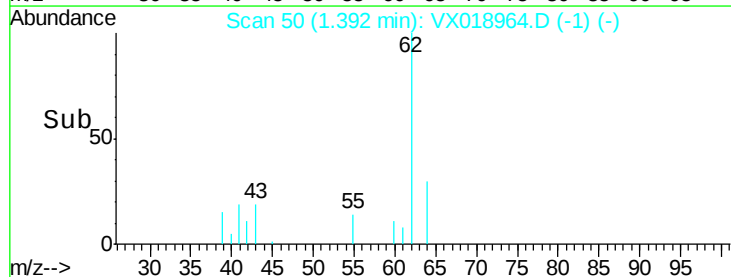
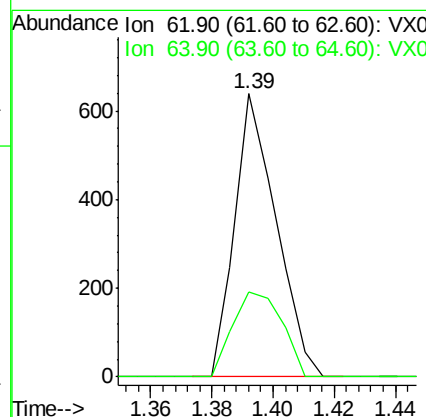
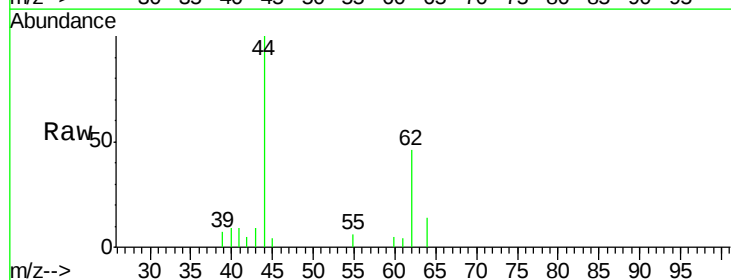
Acq: 19 Oct 2020 20:38

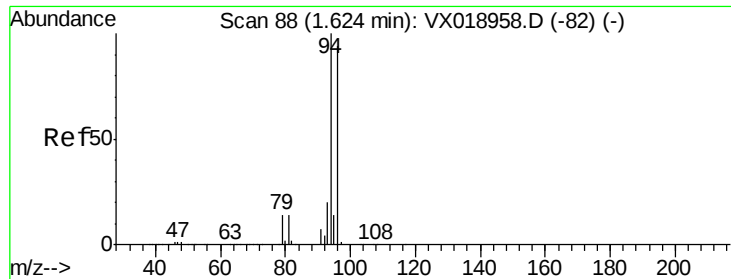
Tgt Ion: 62 Resp: 597

Ion Ratio Lower Upper

62 100

64 30.1 26.7 40.1





#5

Bromomethane

Concen: 1.006 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

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LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 937

Ion Ratio Lower Upper

94 100

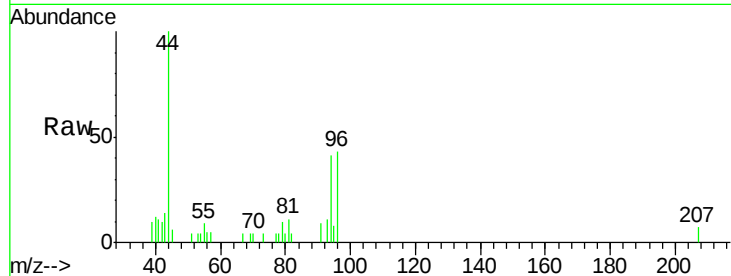
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Manual Integrations

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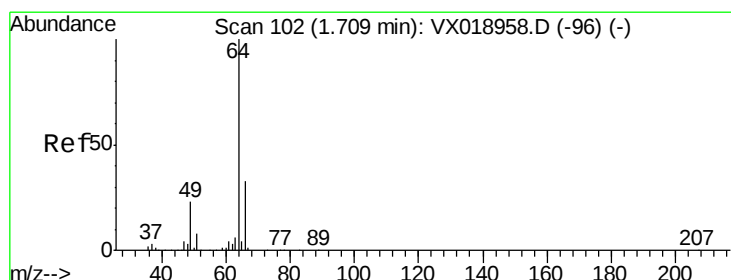
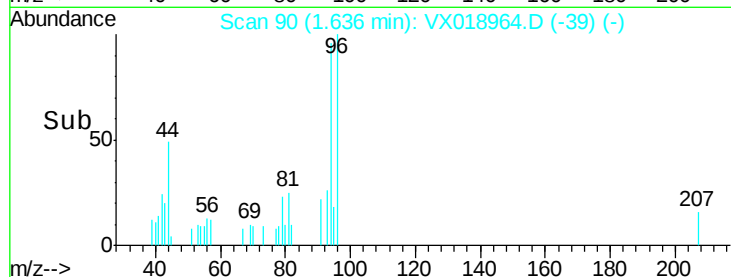
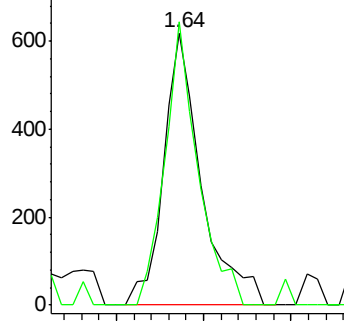
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.541 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018964.D

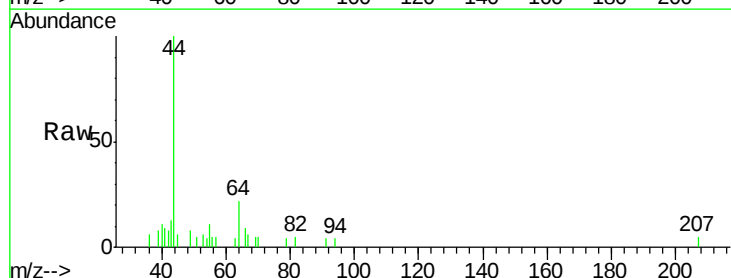
Acq: 19 Oct 2020 20:38

Tgt Ion: 64 Resp: 436

Ion Ratio Lower Upper

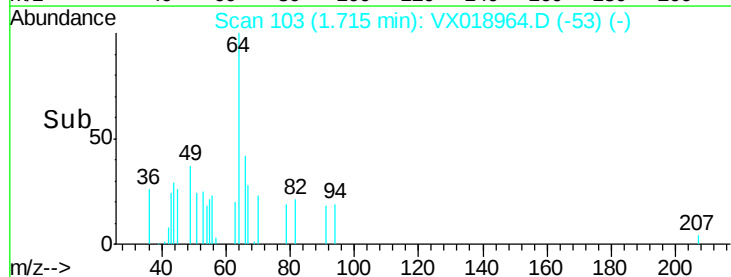
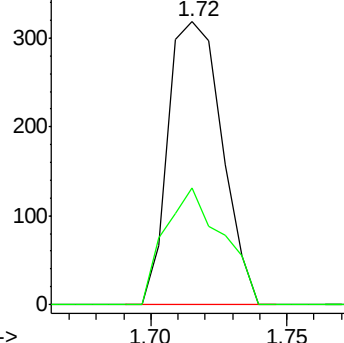
64 100

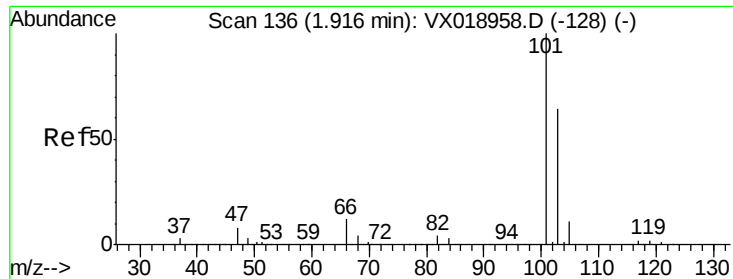
66 41.5 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

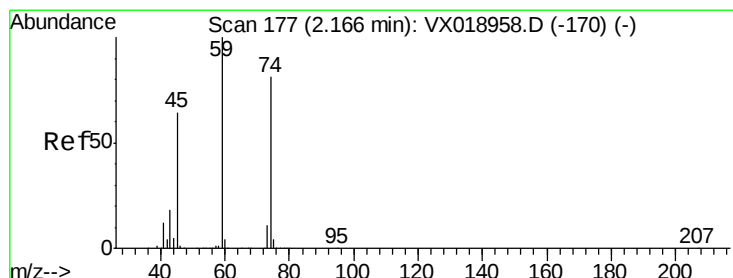
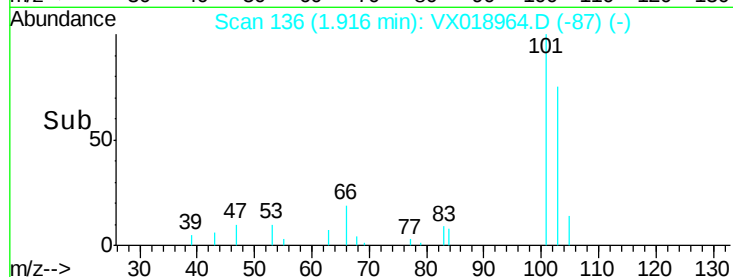
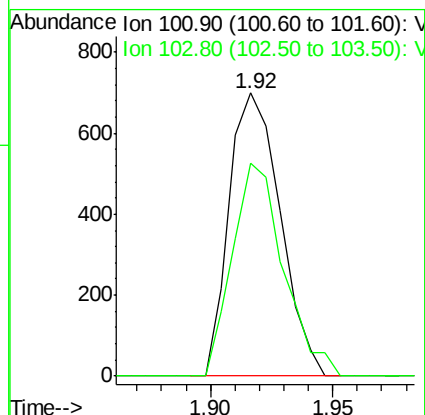
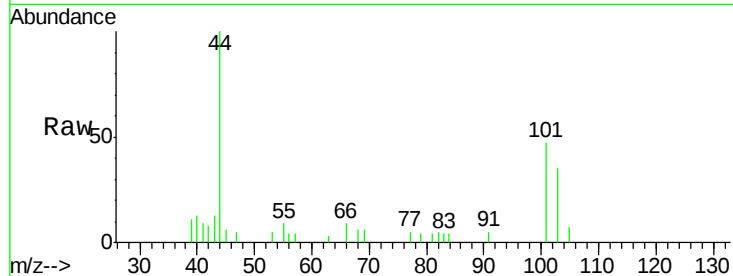
Trichlorofluoromethane
Concen: 0.538 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

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Tot Ion:101 Resp: 1014
Ion Ratio Lower Upper
101 100
103 75.4 51.3 76.9

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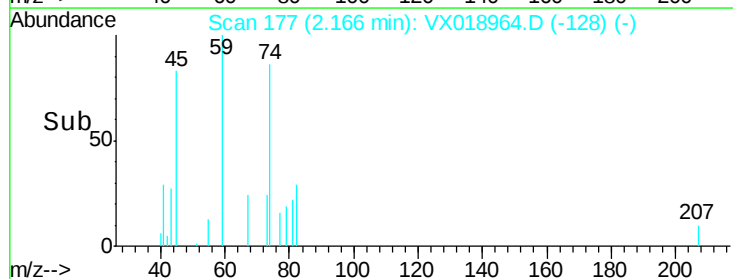
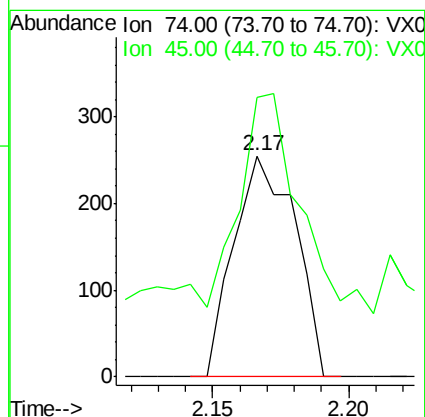
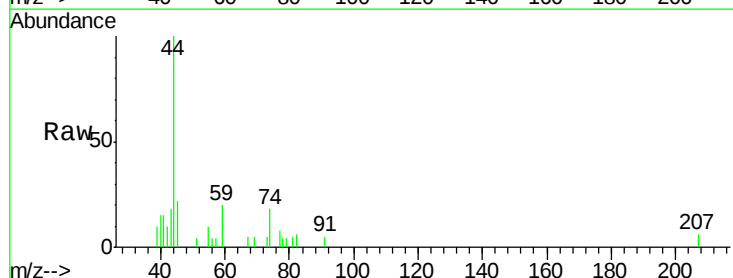
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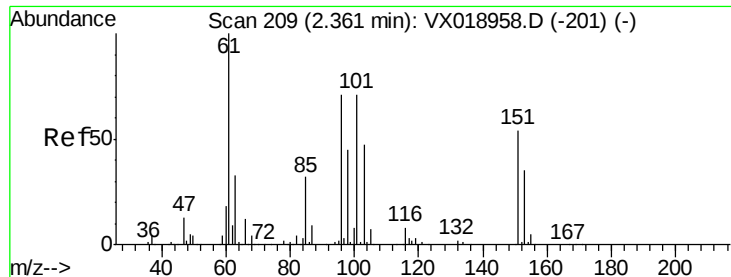


#8

Diethyl Ether
Concen: 0.532 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion: 74 Resp: 398
Ion Ratio Lower Upper
74 100
45 96.0 39.1 117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.537 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX018964.D

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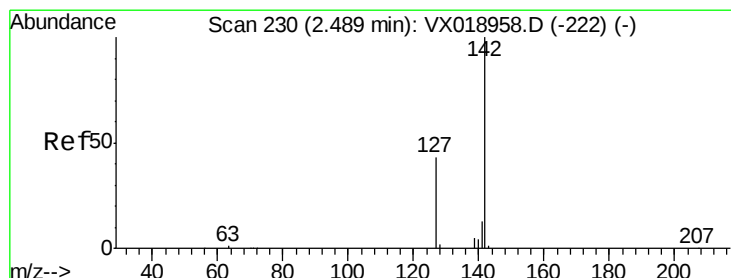
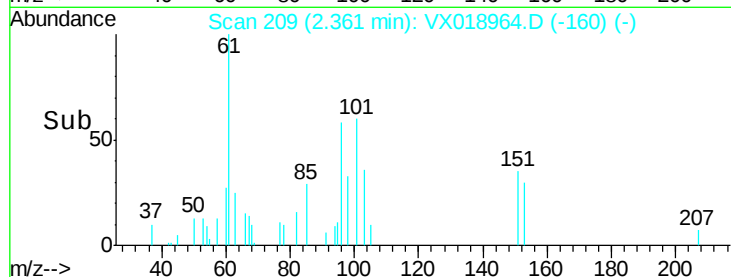
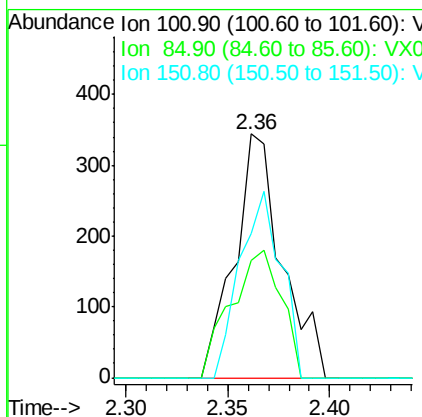
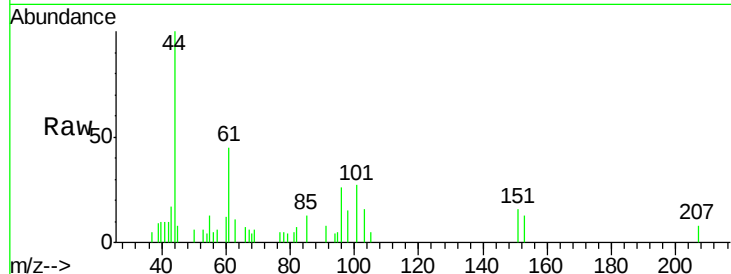
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	101	Resp:	558
Ion Ratio	Lower	Upper	
101	100		
85	55.4	35.1	52.7#
151	66.1	62.1	93.1

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#10

Methyl Iodide

Concen: 0.371 ug/l

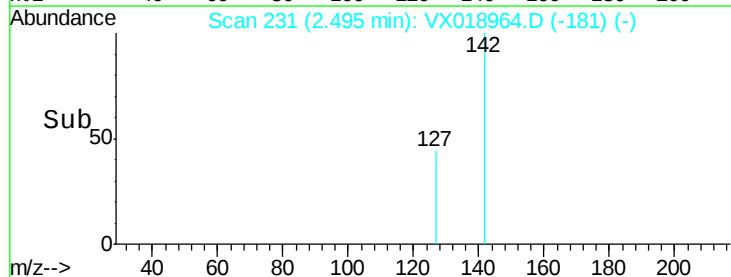
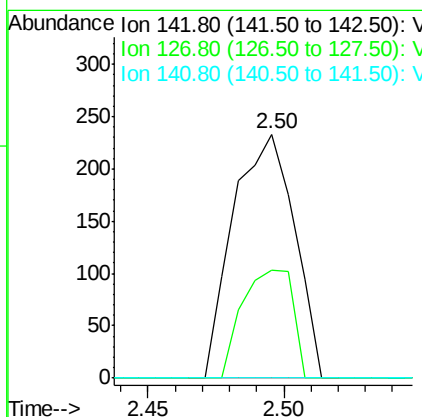
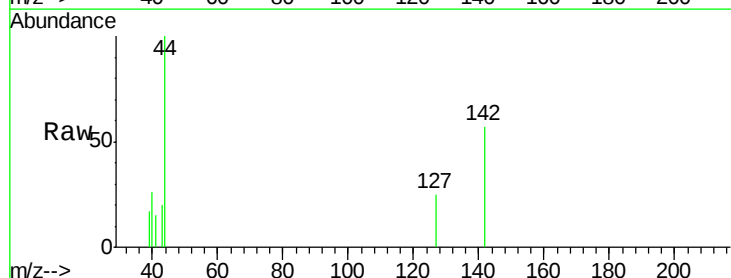
RT: 2.50 min Scan# 231

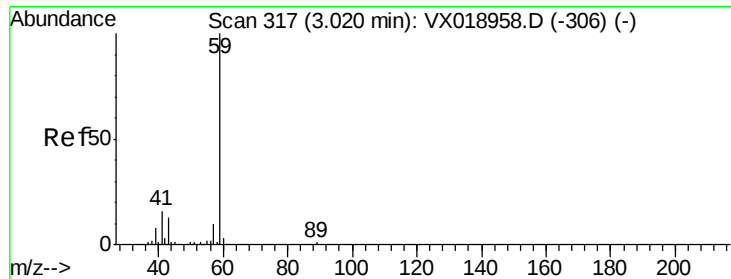
Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	142	Resp:	363
Ion Ratio	Lower	Upper	
142	100		
127	36.6	35.9	53.9
141	0.0	11.6	17.4#





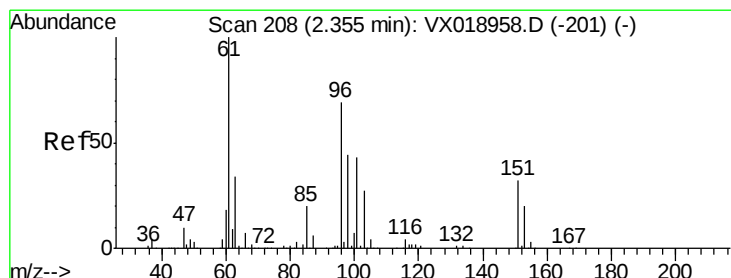
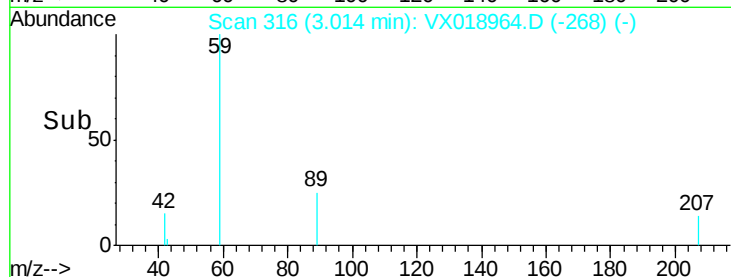
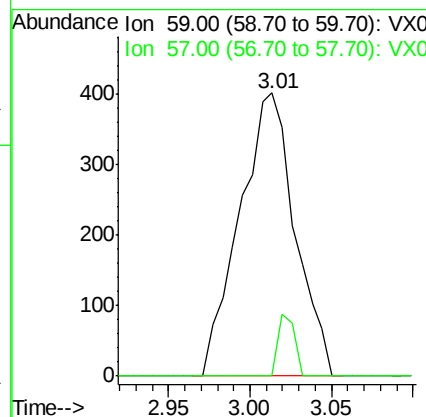
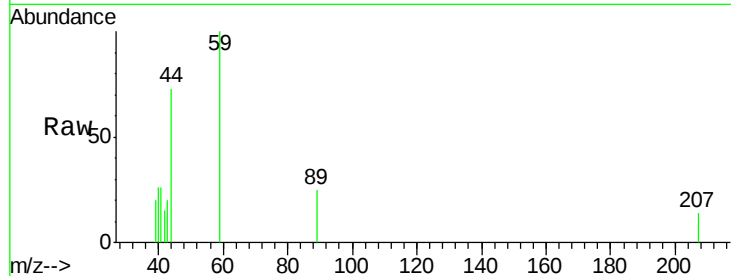
#11
Tert butyl alcohol
Concen: 3.748 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 59 Resp: 949
Ion Ratio Lower Upper
59 100
57 6.2 8.1 12.1#

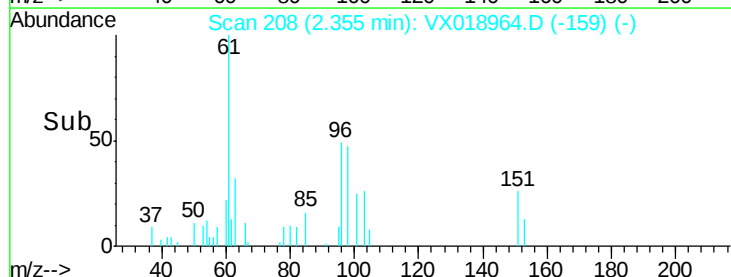
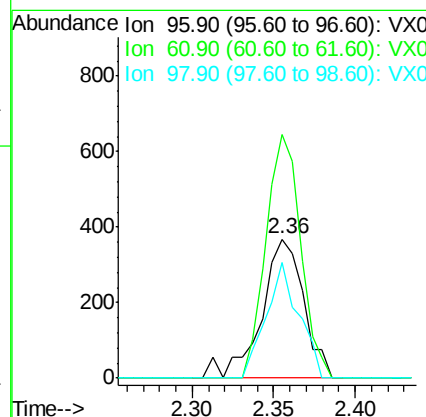
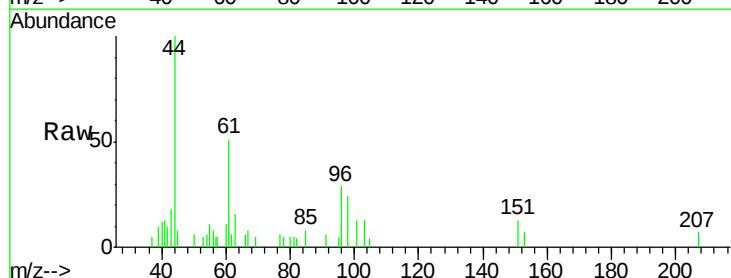
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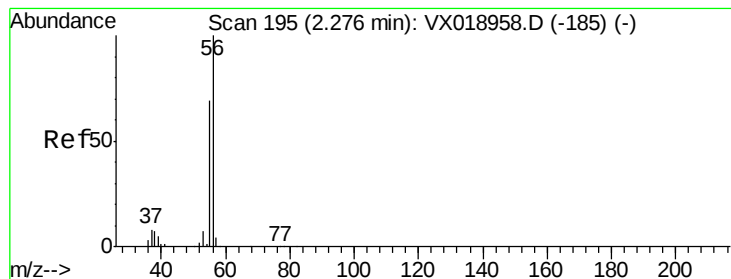
MMDadoda
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#12
1,1-Dichloroethene
Concen: 0.597 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion: 96 Resp: 662
Ion Ratio Lower Upper
96 100
61 174.8 116.2 174.2#
98 82.9 50.9 76.3#





#13

Acrolein

Concen: 4.619 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 770

Ion Ratio Lower Upper

56 100

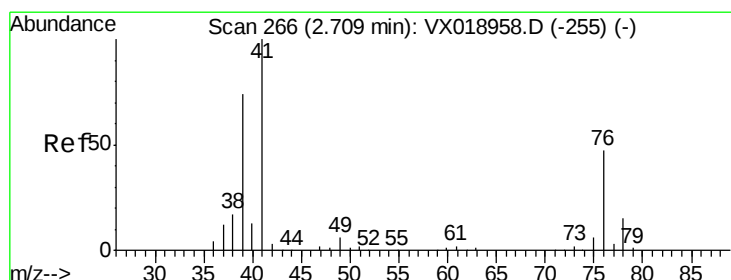
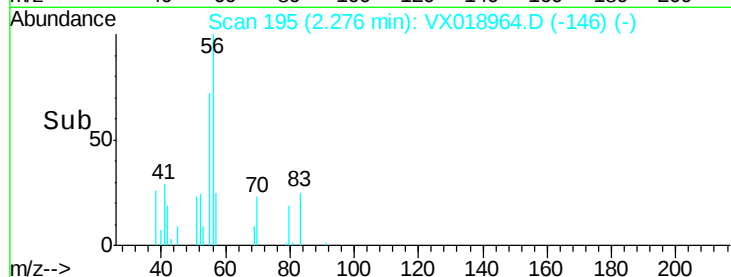
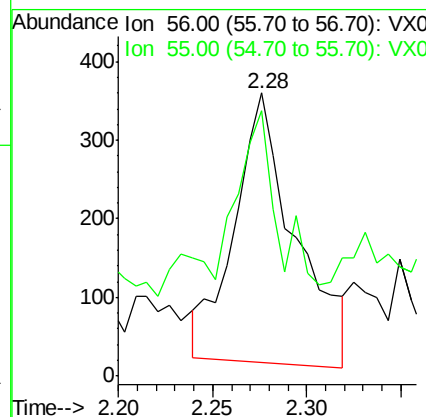
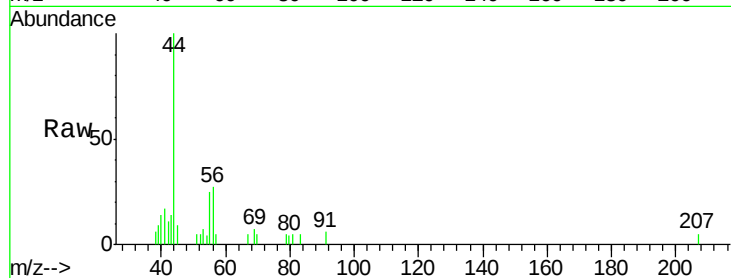
55 53.2 56.2 84.2#

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#14

Allyl chloride

Concen: 0.807 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

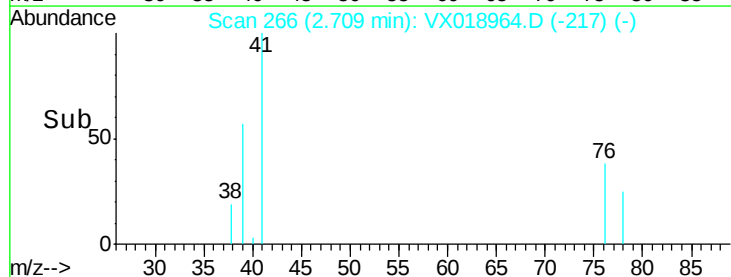
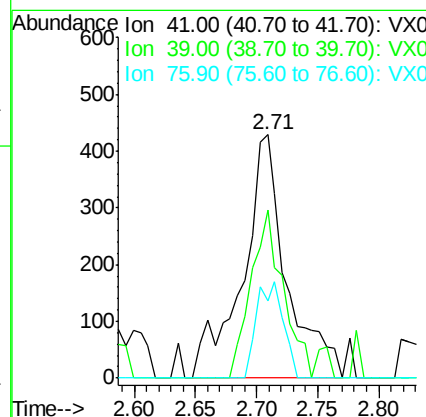
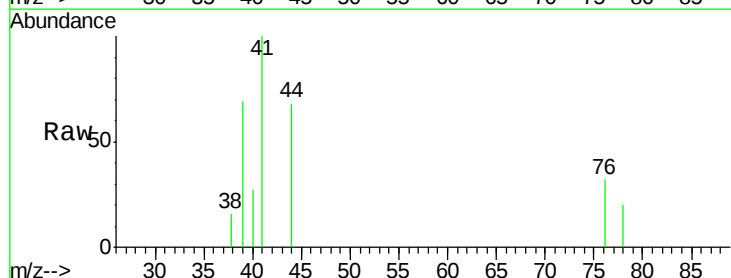
Tgt Ion: 41 Resp: 1079

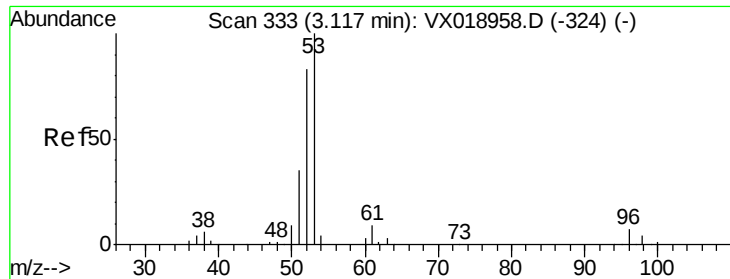
Ion Ratio Lower Upper

41 100

39 50.4 55.4 83.2#

76 23.8 34.1 51.1#





#15

Acrylonitrile

Concen: 2.481 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

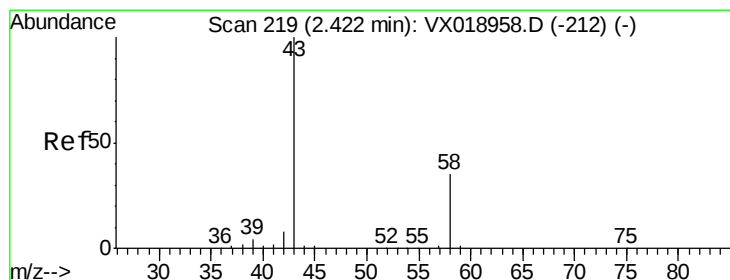
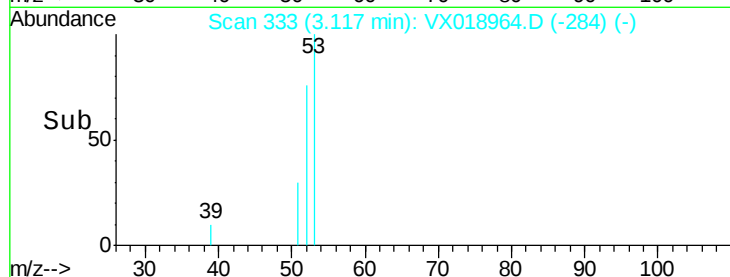
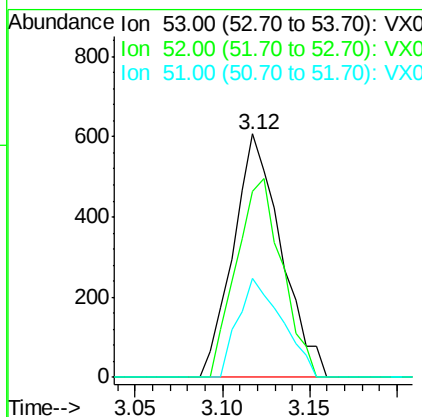
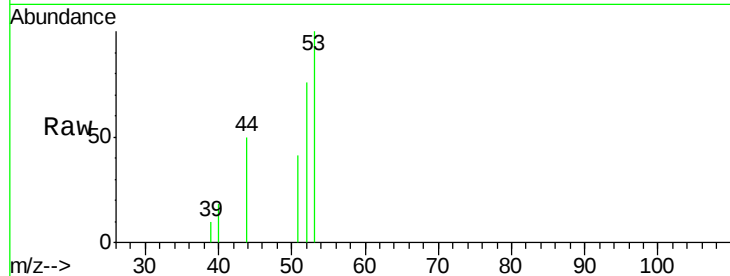
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	53	Resp:	1157
Ion	Ratio	Lower	Upper
53	100		
52	77.9	65.3	97.9
51	37.3	28.6	43.0

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#16

Acetone

Concen: 2.594 ug/l

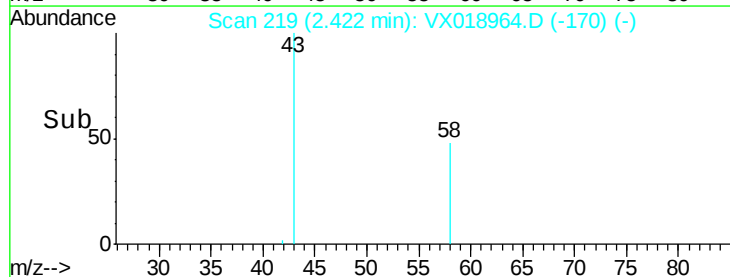
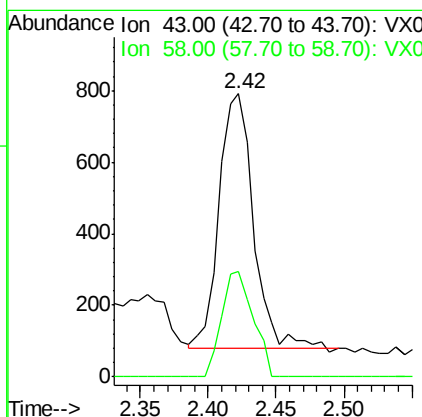
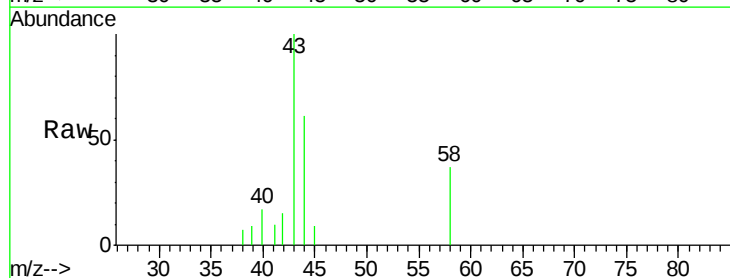
RT: 2.42 min Scan# 219

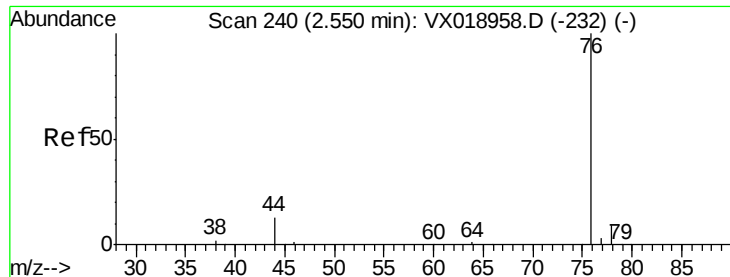
Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	43	Resp:	1239
Ion	Ratio	Lower	Upper
43	100		
58	41.2	27.8	41.8





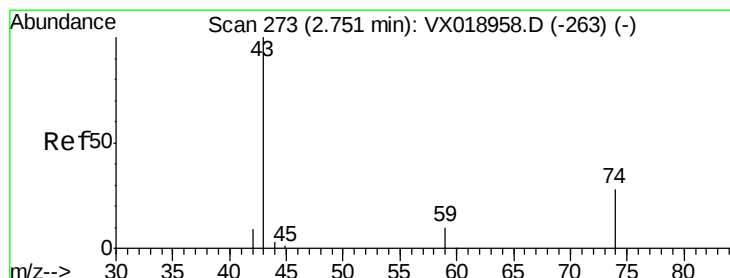
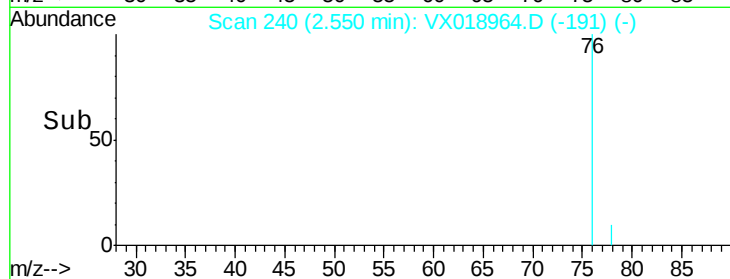
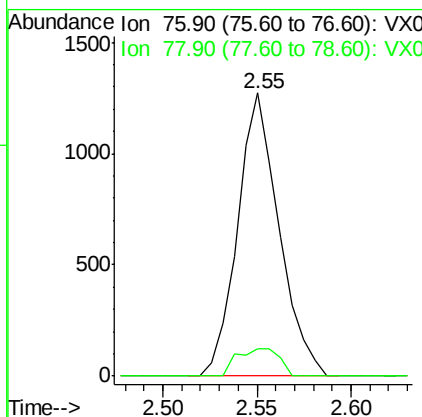
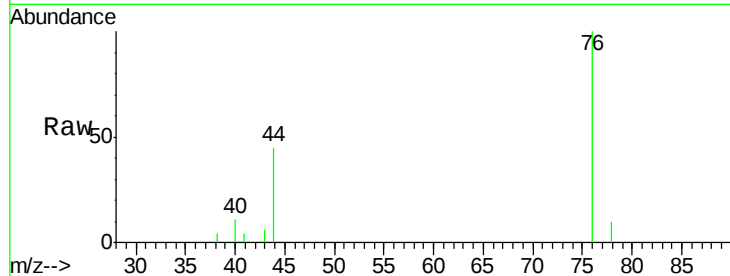
#17
Carbon Disulfide
Concen: 0.768 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.9	10.3

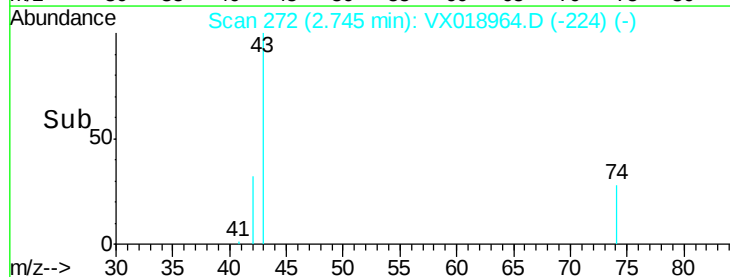
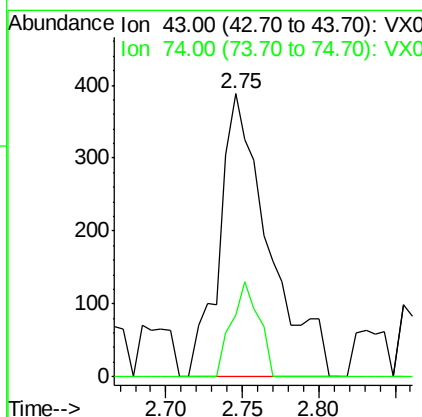
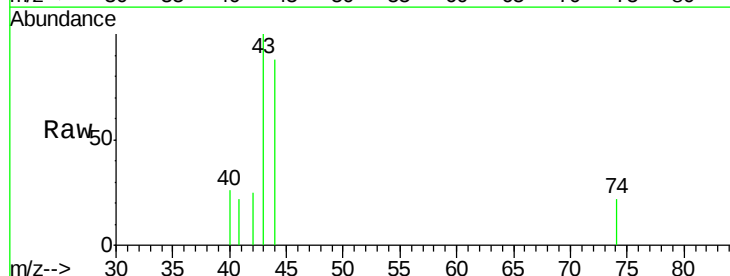
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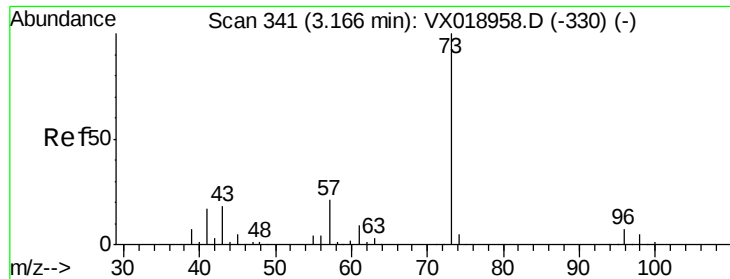
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#18
Methyl Acetate
Concen: 0.818 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.5	23.0	34.6#





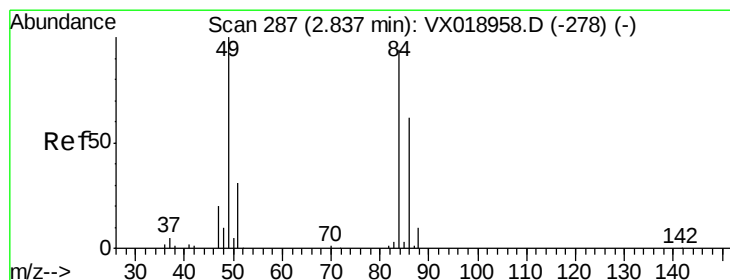
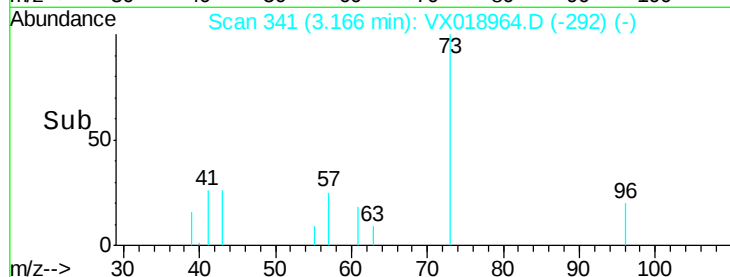
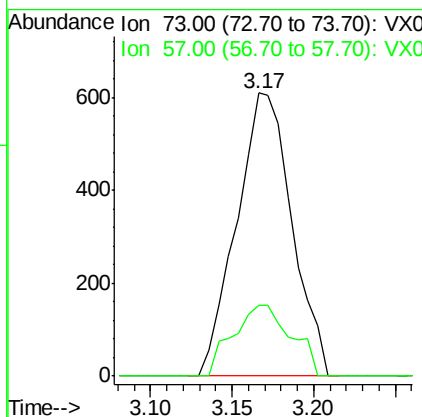
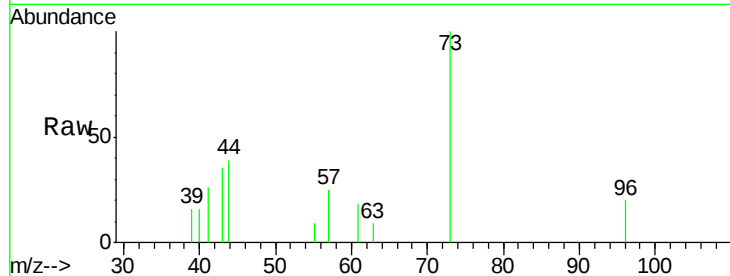
#19
Methvl tert-butvl Ether
Concen: 0.504 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 73 Resp: 1439
Ion Ratio Lower Upper
73 100
57 25.0 16.6 25.0

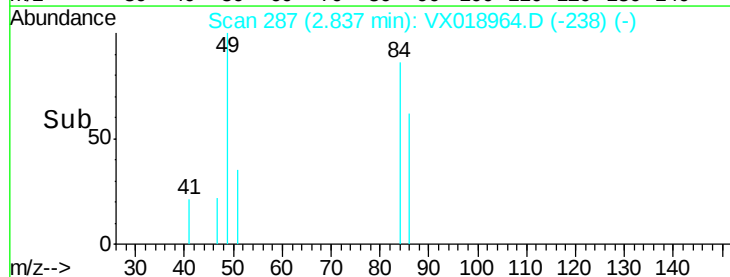
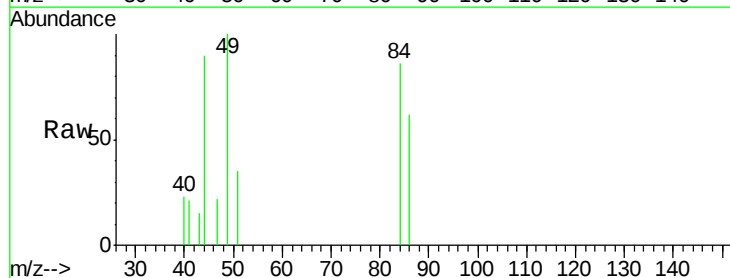
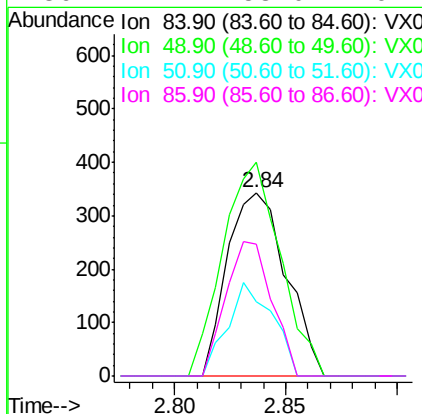
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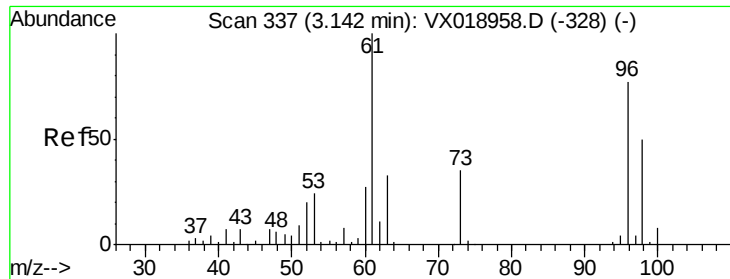
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#20
Methylene Chloride
Concen: 0.626 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion: 84 Resp: 632
Ion Ratio Lower Upper
84 100
49 116.3 85.1 127.7
51 40.4 26.0 39.0#
86 72.1 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 0.637 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

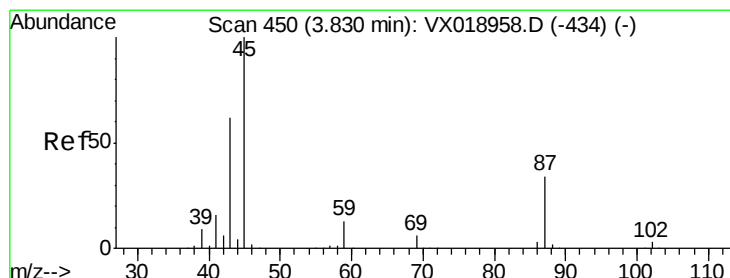
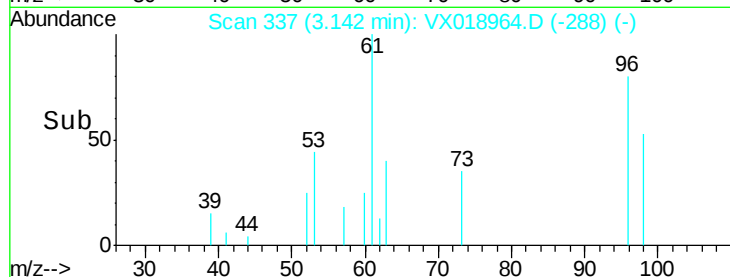
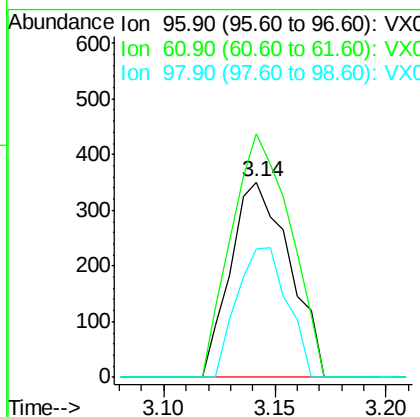
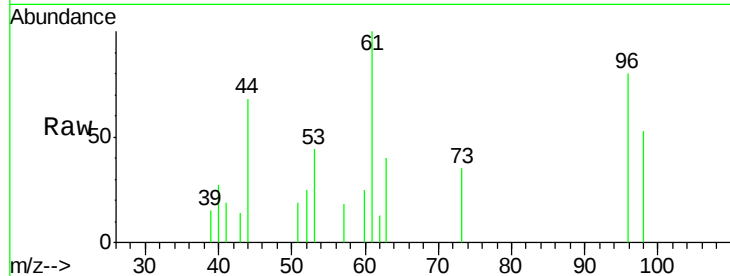
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	647
Ion	Ratio	Lower	Upper
96	100		
61	124.5	103.4	155.0
98	65.8	51.7	77.5

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#22

Diisopropyl ether

Concen: 0.498 ug/l

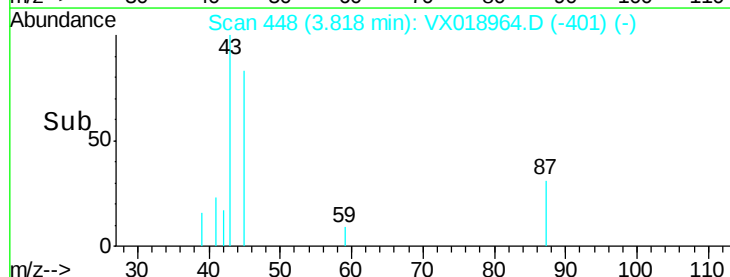
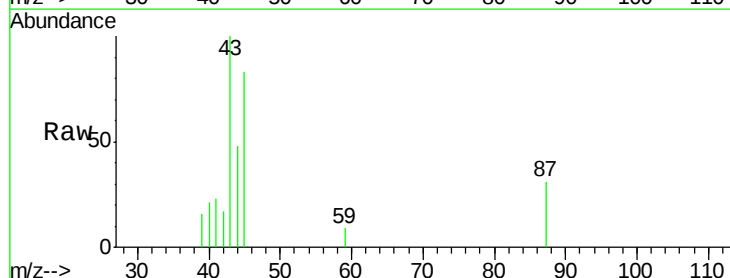
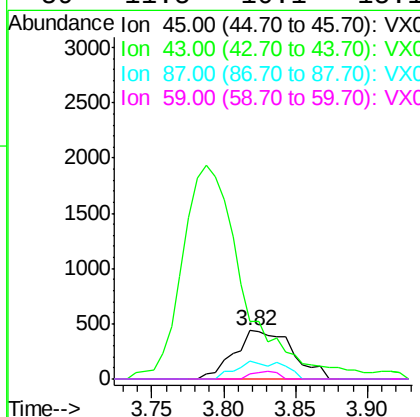
RT: 3.82 min Scan# 448

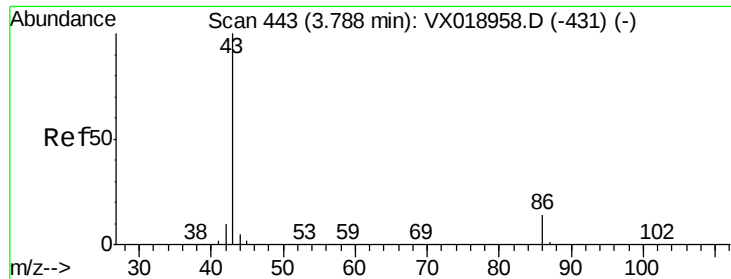
Delta R.T. -0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	45	Resp:	1233
Ion	Ratio	Lower	Upper
45	100		
43	95.9	49.7	74.5#
87	36.9	27.4	41.2
59	11.5	10.1	15.1





#23

Vinyl Acetate

Concen: 2.413 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 5764

Ion Ratio Lower Upper

43 100

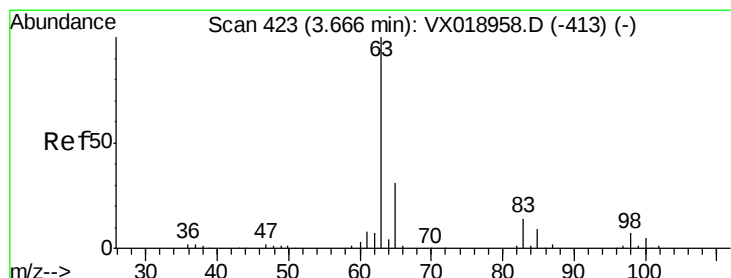
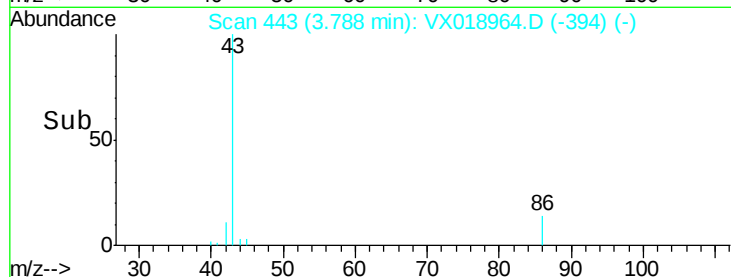
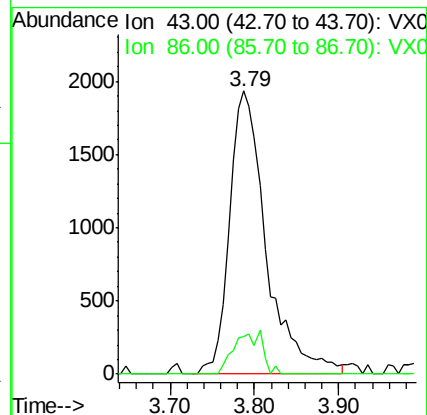
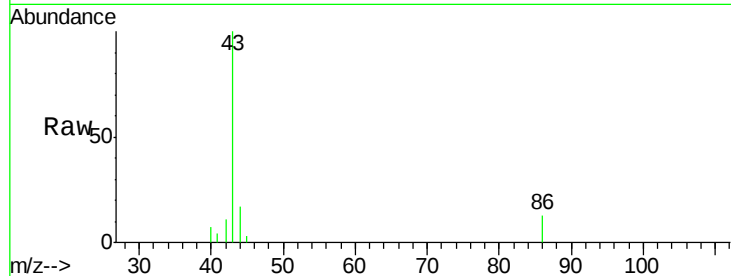
86 13.4 10.9 16.3

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#24

1,1-Dichloroethane

Concen: 0.471 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

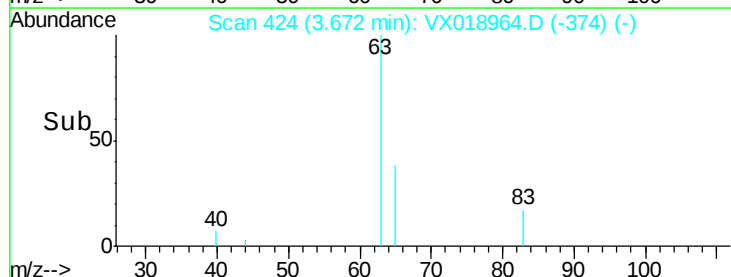
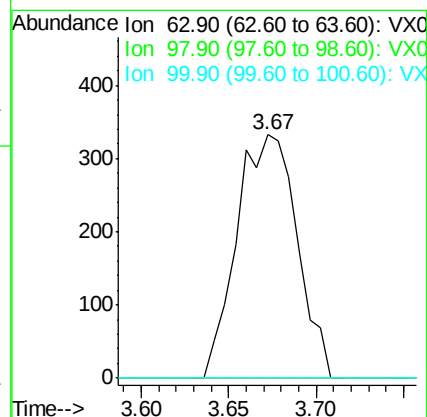
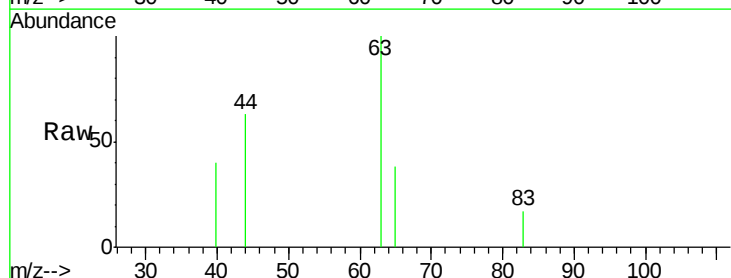
Tgt Ion: 63 Resp: 799

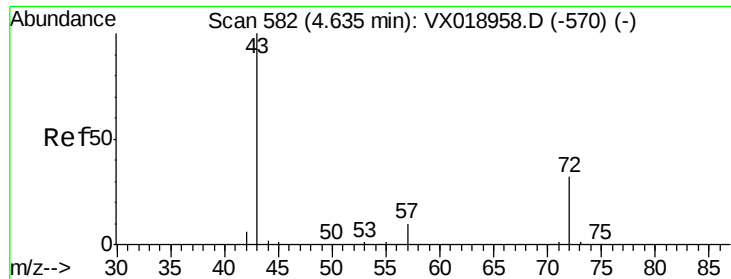
Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 3.073 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 2112

Ion Ratio Lower Upper

43 100

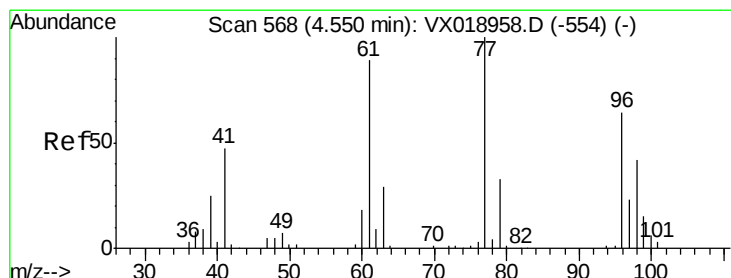
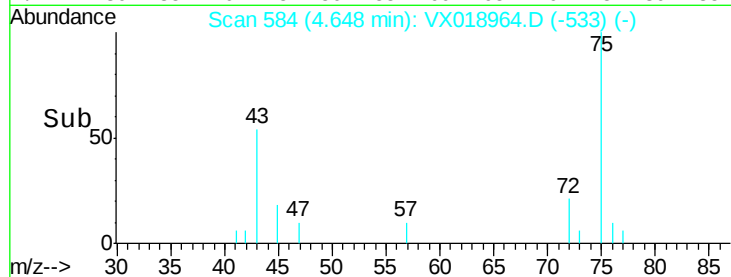
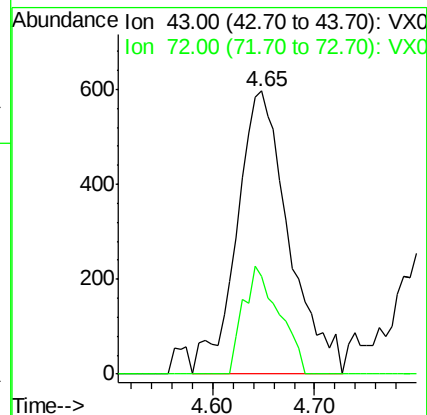
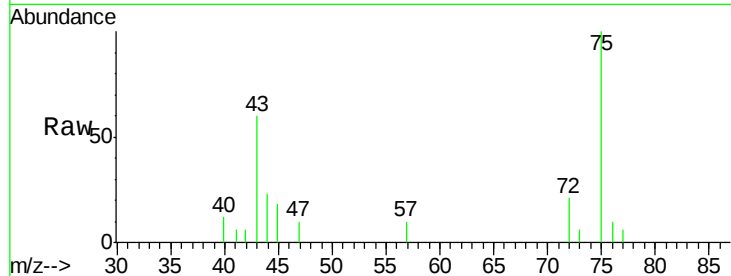
72 34.5 25.8 38.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 0.468 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.02 min

Lab File: VX018964.D

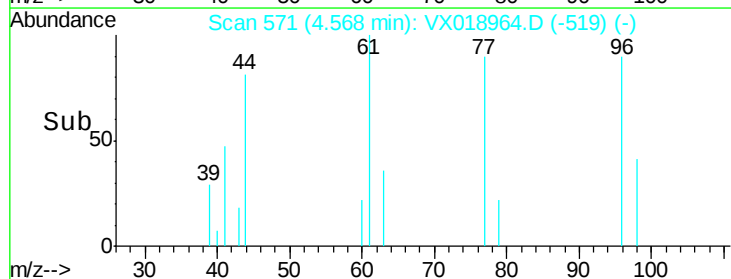
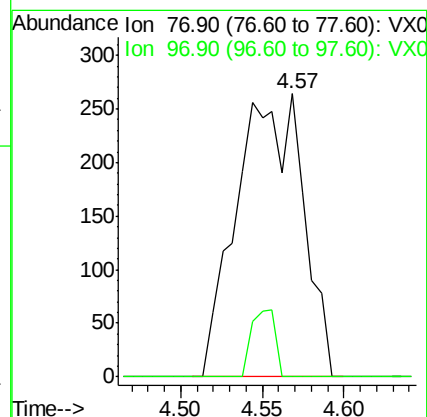
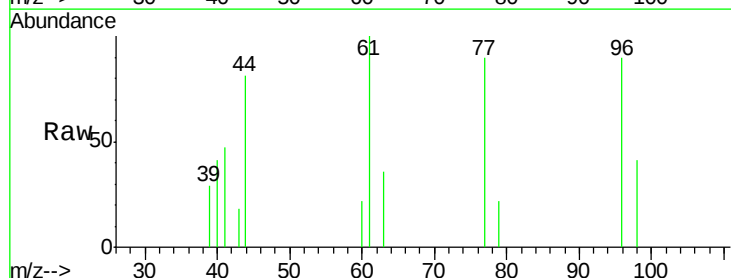
Acq: 19 Oct 2020 20:38

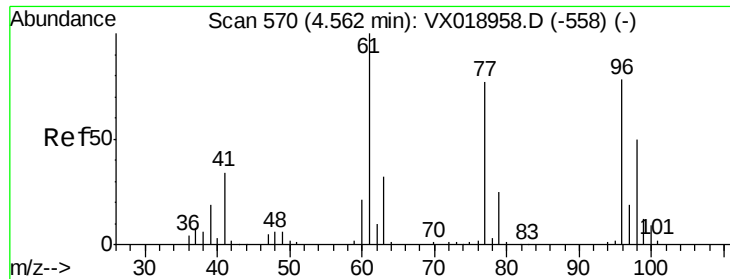
Tgt Ion: 77 Resp: 744

Ion Ratio Lower Upper

77 100

97 8.6 11.6 34.8#





#27

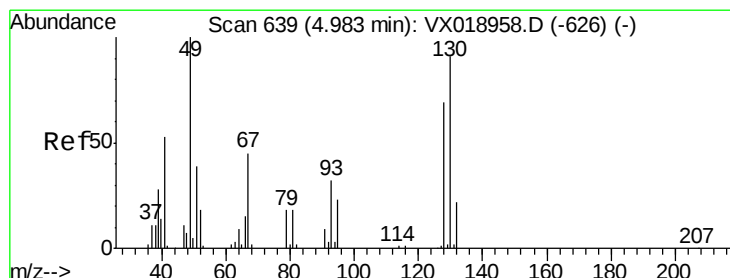
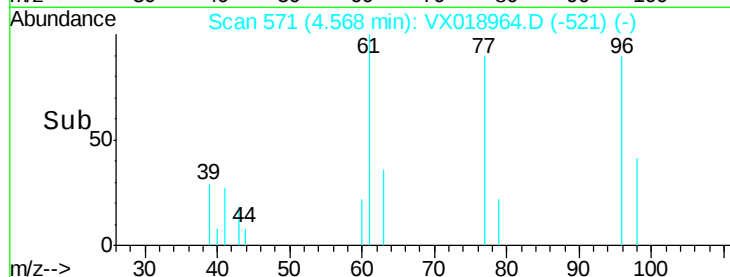
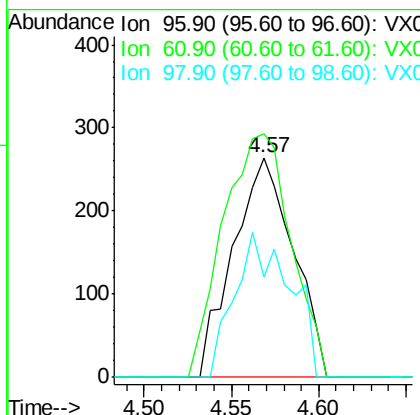
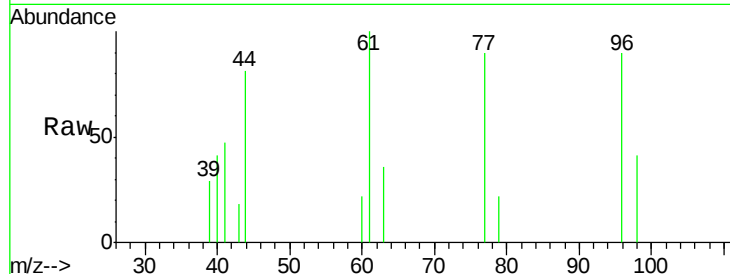
cis-1,2-Dichloroethene
Concen: 0.536 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.0	0.0	265.2
98	60.4	0.0	128.4

Manual Integrations
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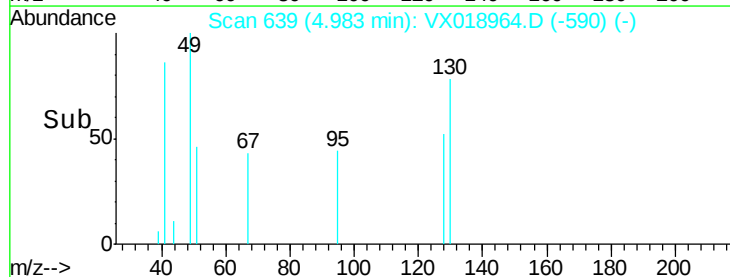
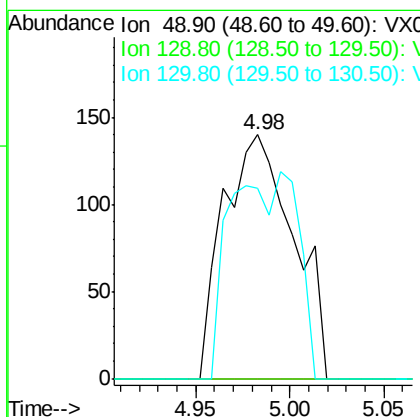
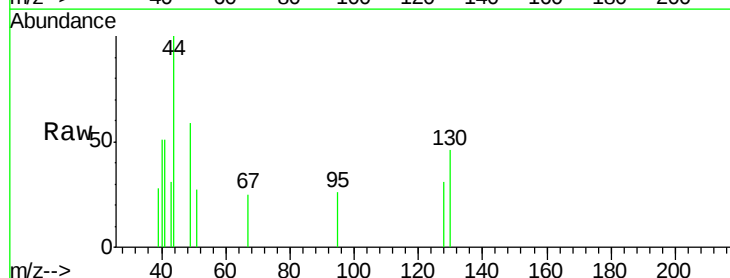
MMDadoda
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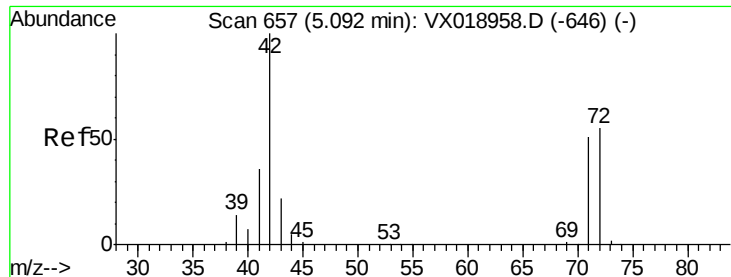


#28

Bromochloromethane
Concen: 0.506 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	51.8	72.0	108.0#





#29

Tetrahydrofuran

Concen: 3.066 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

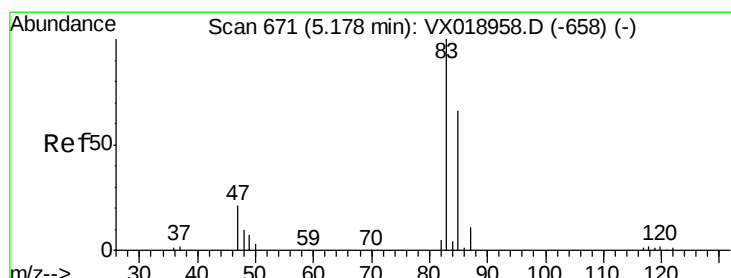
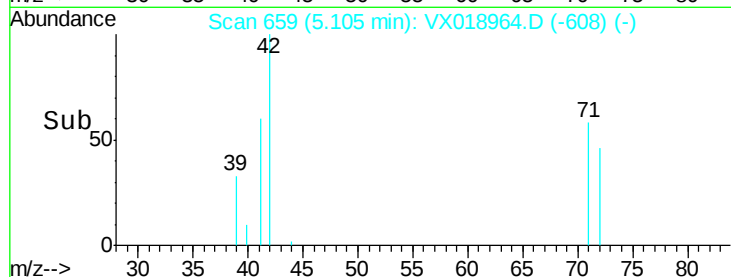
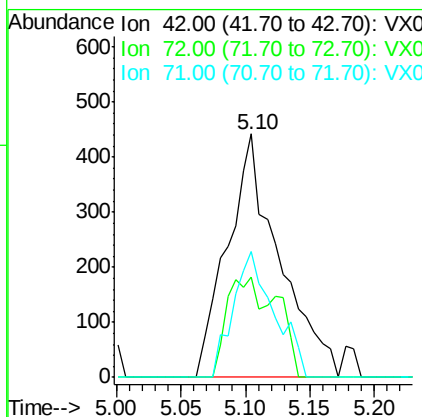
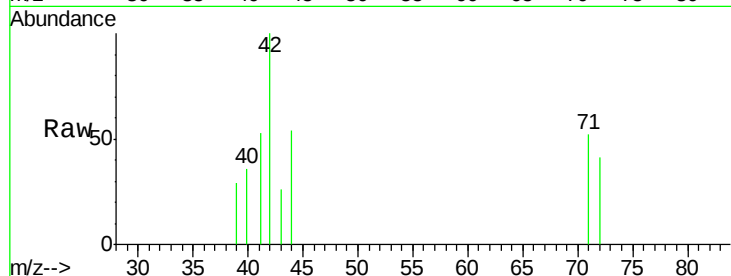
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	1238
Ion	Ratio	Lower	Upper
42	100		
72	29.1	44.9	67.3#
71	41.0	41.0	61.6#

Manual Integrations
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#30

Chloroform

Concen: 0.510 ug/l

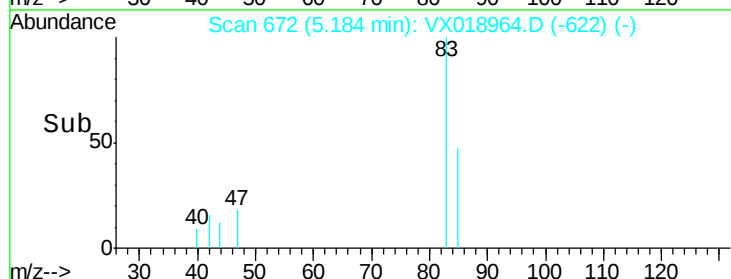
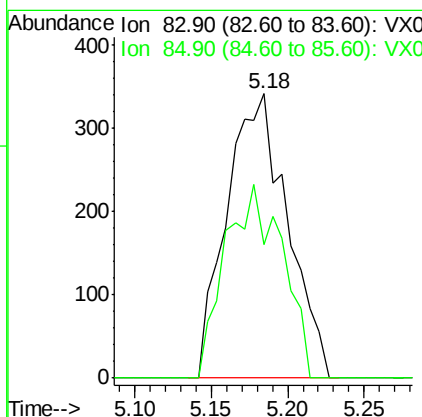
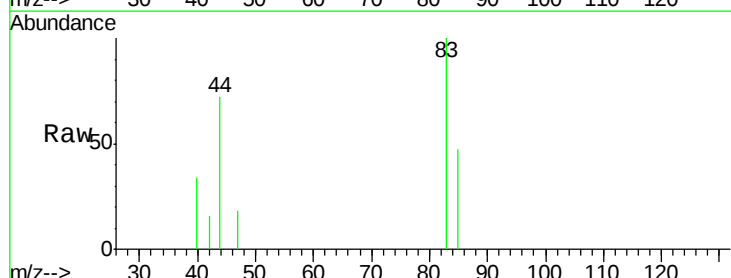
RT: 5.18 min Scan# 672

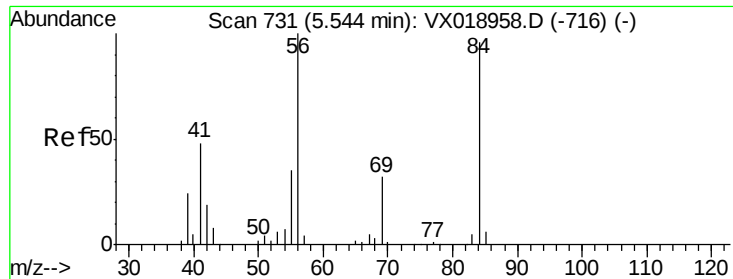
Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	83	Resp:	936
Ion	Ratio	Lower	Upper
83	100		
85	46.9	52.6	78.8#





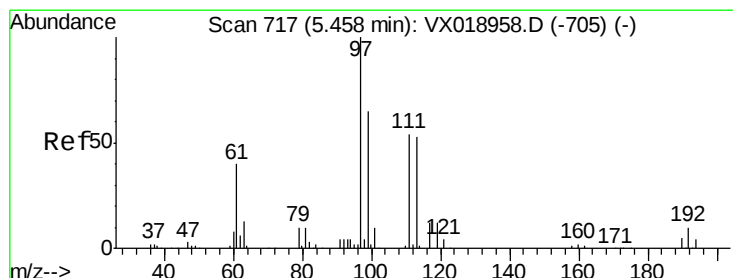
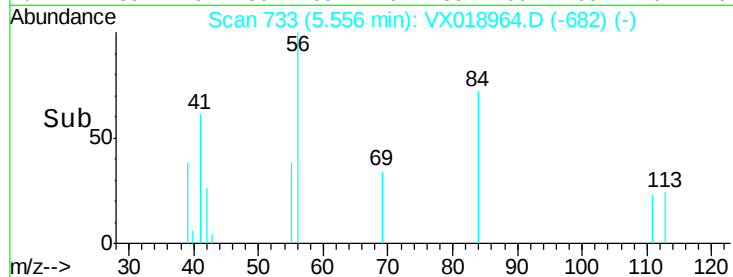
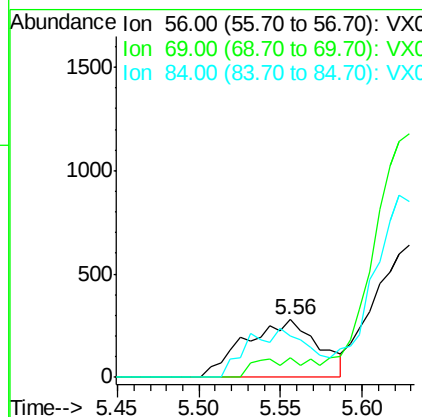
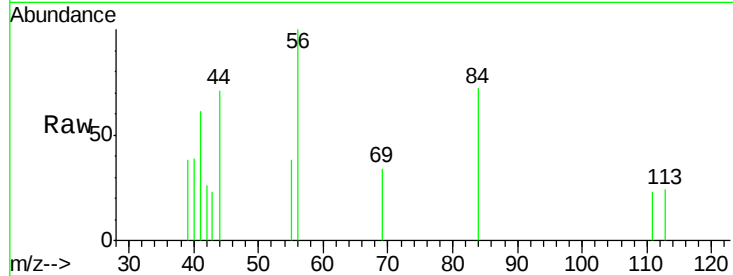
#31
Cyclohexane
Concen: 0.649 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 870
Ion Ratio Lower Upper
56 100
69 33.6 25.4 38.0
84 71.8 75.4 113.0#

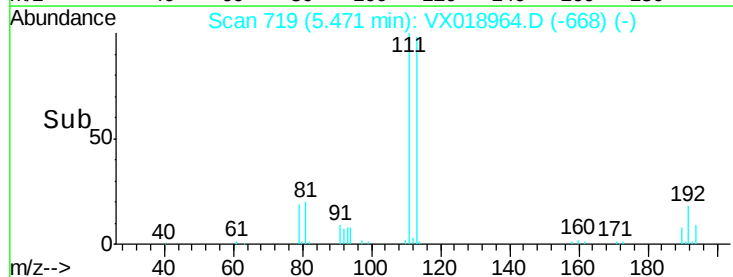
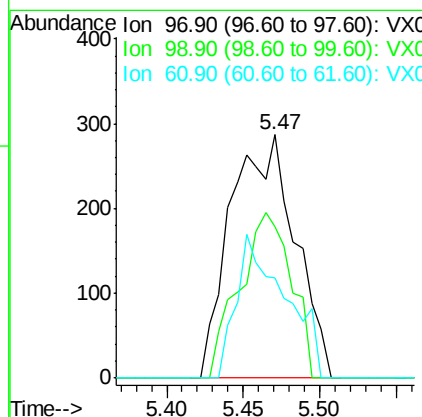
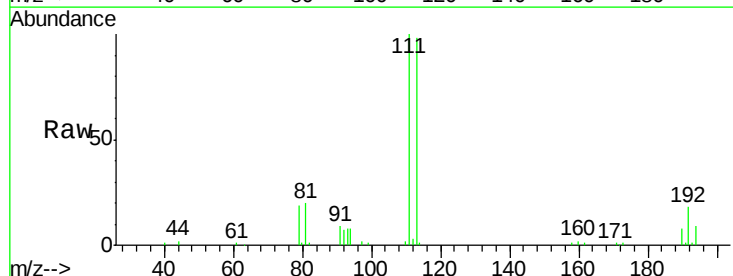
Manual Integrations
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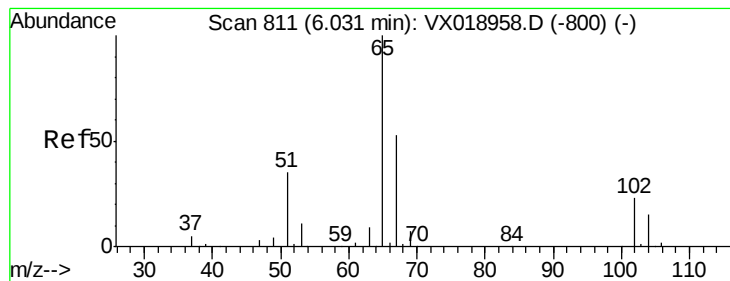
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#32
1,1,1-Trichloroethane
Concen: 0.507 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion: 97 Resp: 840
Ion Ratio Lower Upper
97 100
99 0.0 50.5 75.7#
61 44.5 32.3 48.5





#33

1,2-Dichloroethane-d4

Concen: 55.269 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 65 Resp: 60098

Ion Ratio Lower Upper

65 100

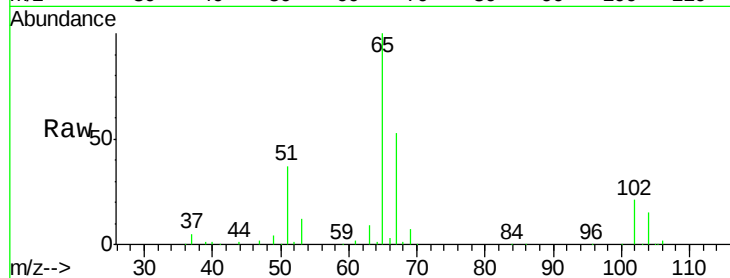
67 52.3 0.0 105.6

Manual Integrations

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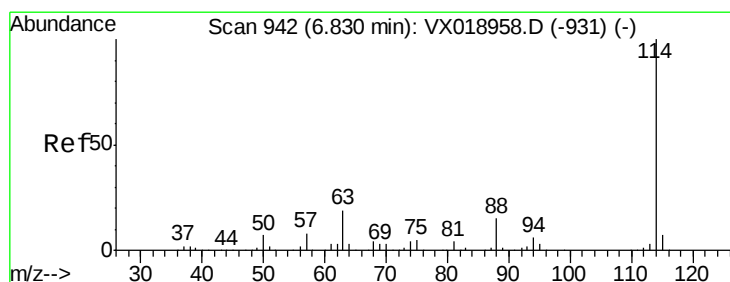
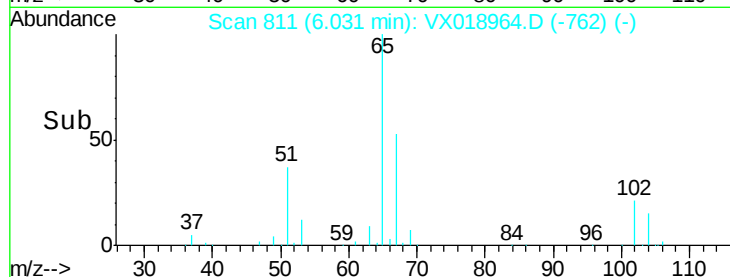
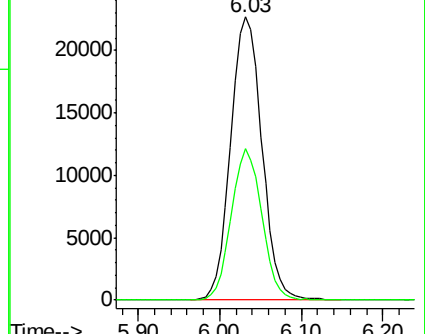
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

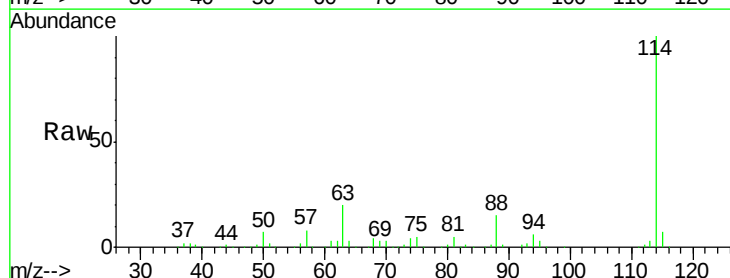
Tgt Ion: 114 Resp: 157747

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

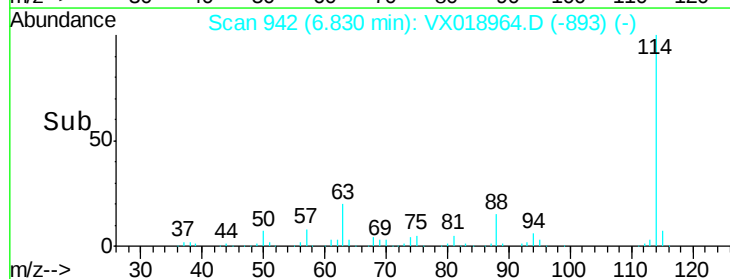
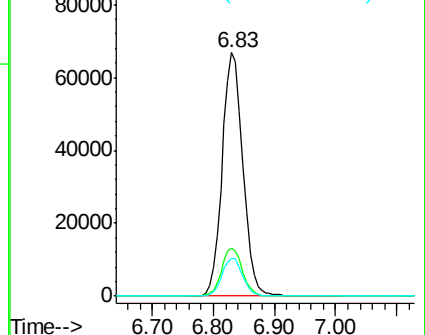
88 15.5 0.0 30.8

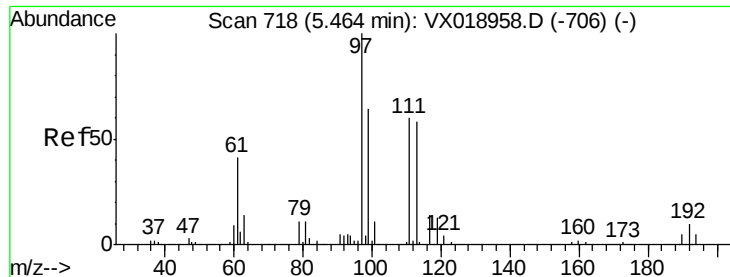


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.847 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

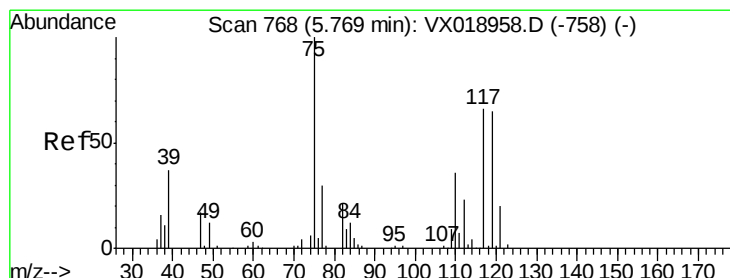
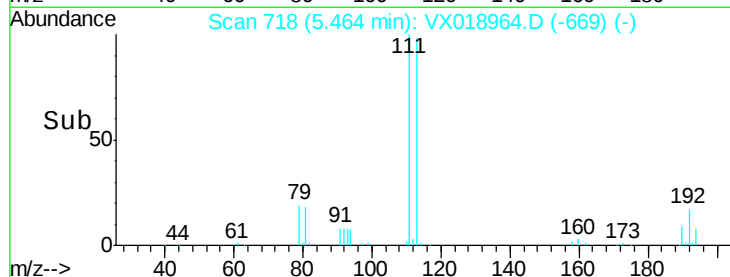
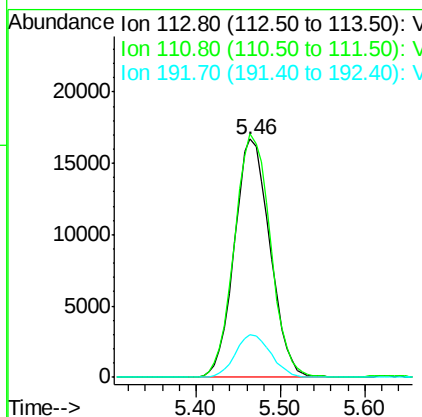
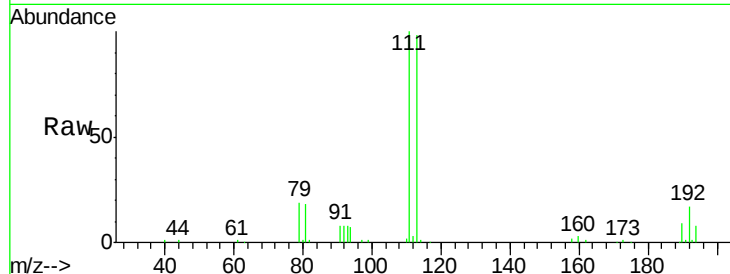
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	113	Resp:	47723
Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.8	121.2
192	17.9	14.5	21.7

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#36

1,1-Dichloropropene

Concen: 0.571 ug/l

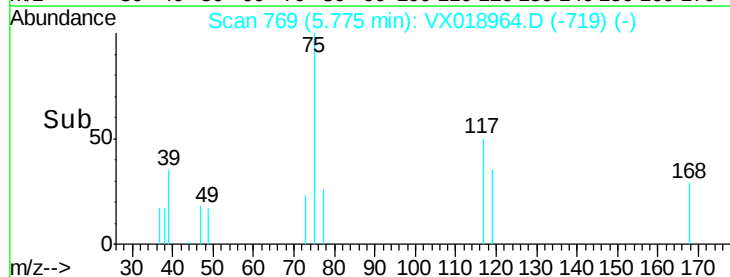
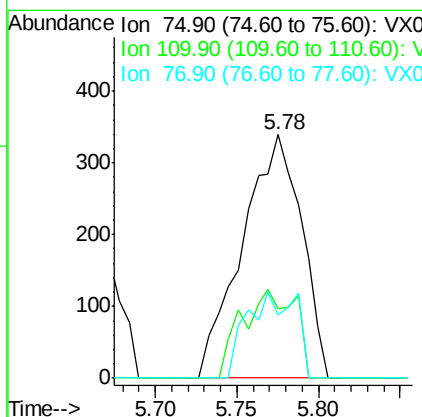
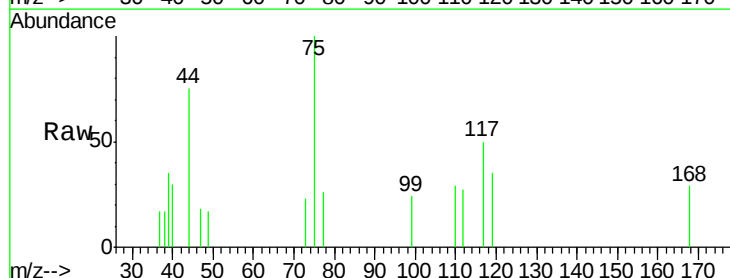
RT: 5.78 min Scan# 769

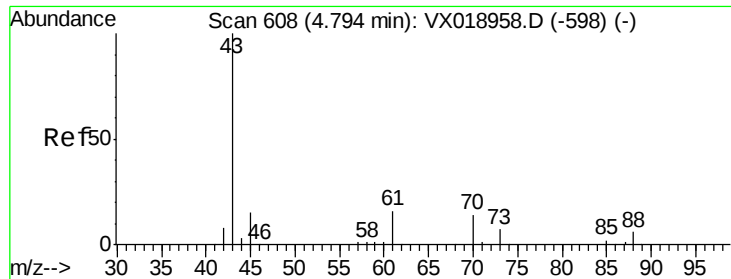
Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	75	Resp:	856
Ion	Ratio	Lower	Upper
75	100		
110	32.4	18.3	54.8
77	28.9	25.0	37.4





#37

Ethyl Acetate

Concen: 0.577 ug/l

RT: 4.80 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

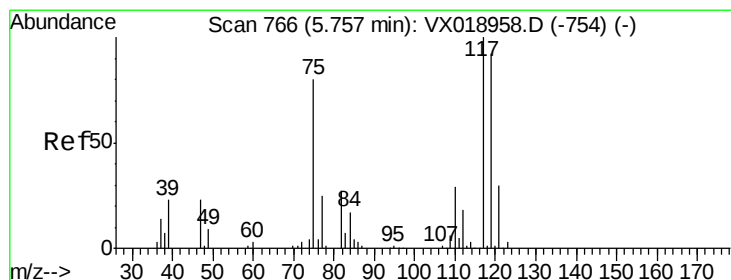
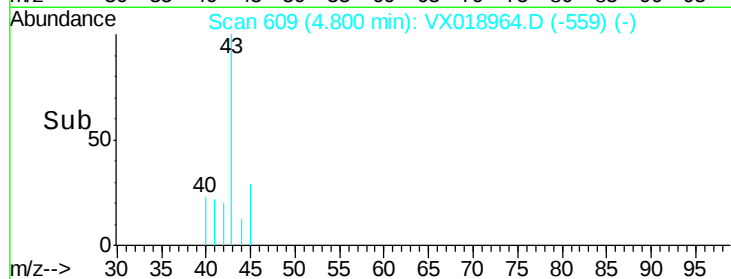
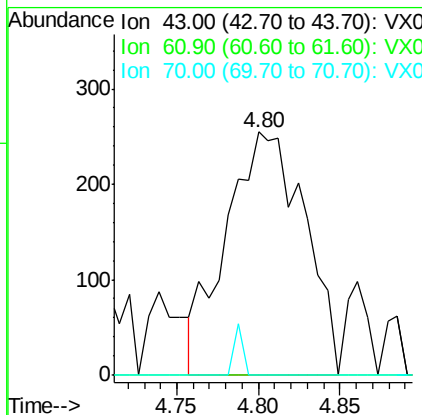
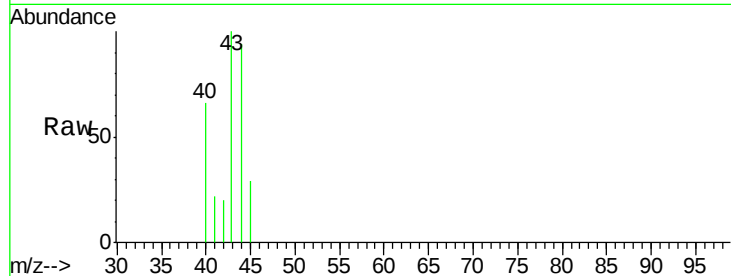
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	855
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.7	19.1#
70	2.3	10.6	15.8#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 0.512 ug/l m

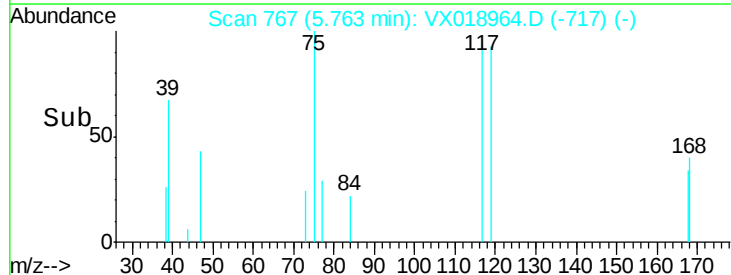
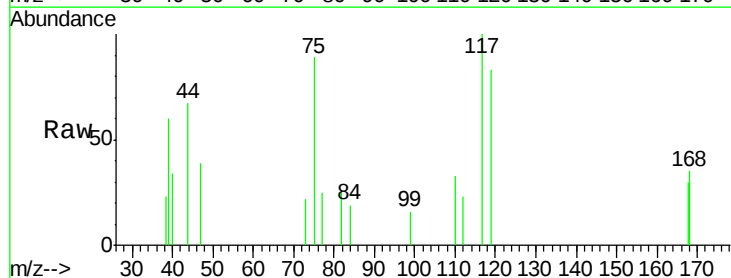
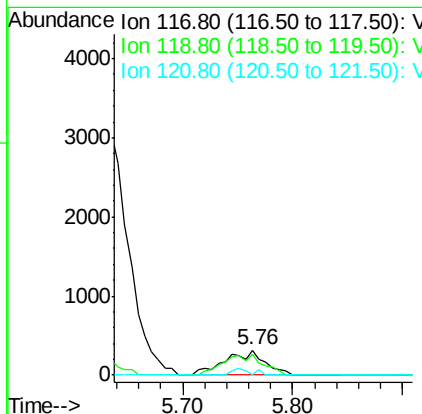
RT: 5.76 min Scan# 767

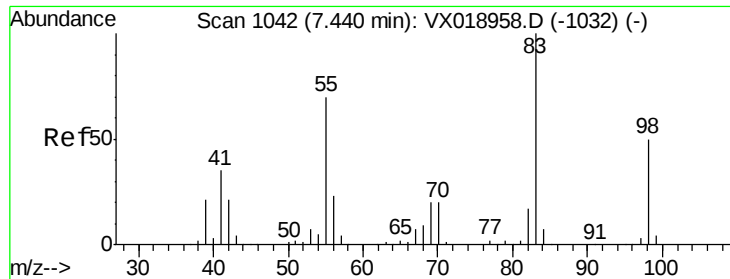
Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	117	Resp:	792
Ion	Ratio	Lower	Upper
117	100		
119	82.8	73.2	109.8
121	0.0	23.5	35.3#





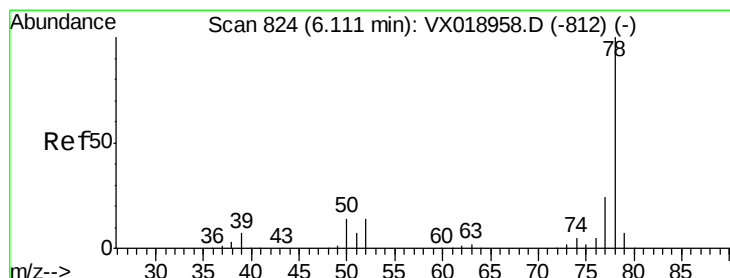
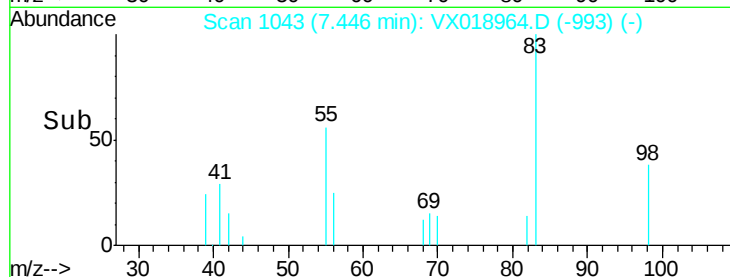
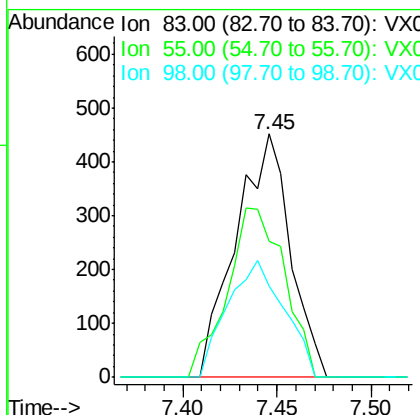
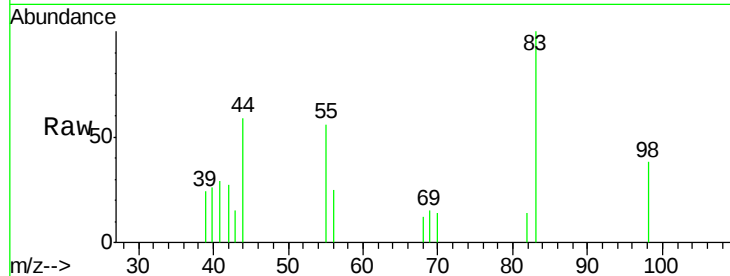
#39
Methvlcvclohexane
Concen: 0.561 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	55.8	56.3	84.5#
98	37.6	39.8	59.6#

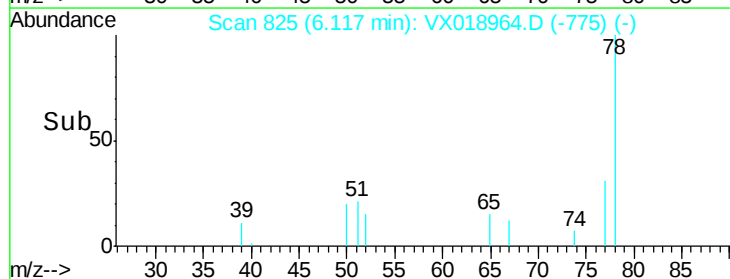
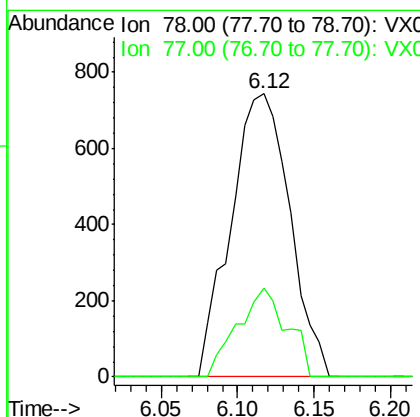
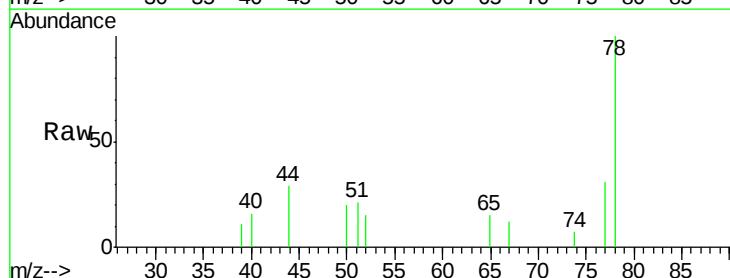
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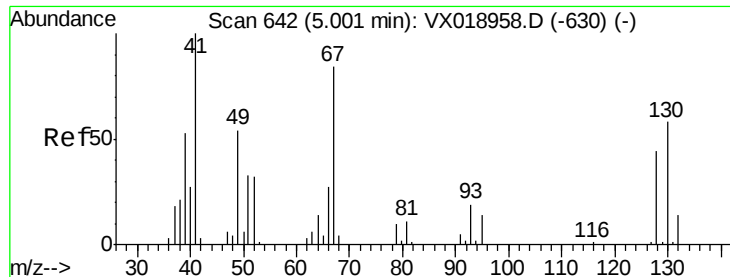
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#40
Benzene
Concen: 0.462 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	31.5	19.2	28.8#





#41

Methacrylonitrile

Concen: 0.661 ug/l m

RT: 5.02 min Scan# 645

Delta R.T. 0.02 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 41 Resp: 507

Ion Ratio Lower Upper

41 100

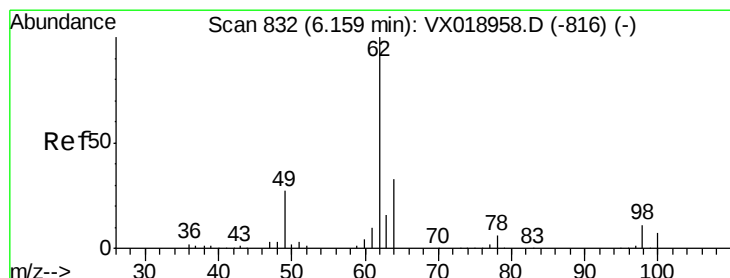
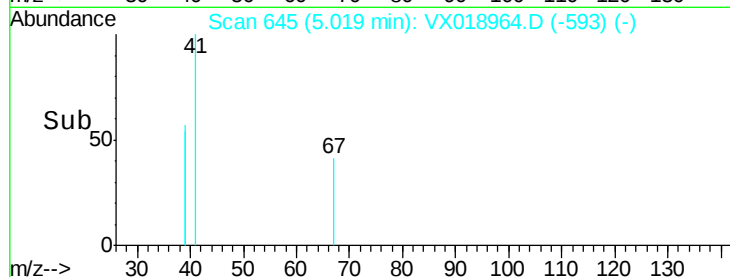
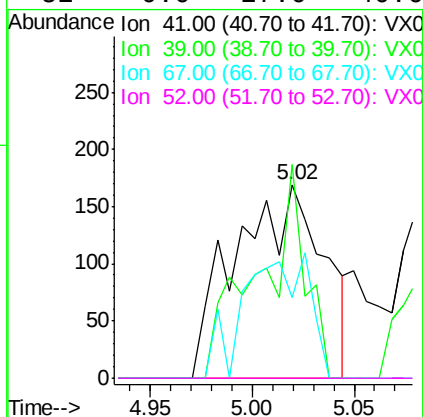
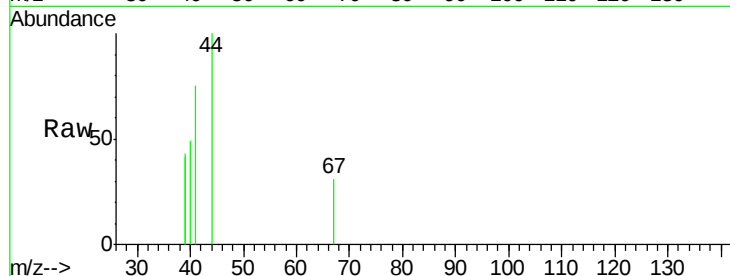
39 59.4 43.7 65.5

67 47.3 70.9 106.3#

52 0.0 27.0 40.6#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 0.561 ug/l

RT: 6.16 min Scan# 832

Delta R.T. 0.00 min

Lab File: VX018964.D

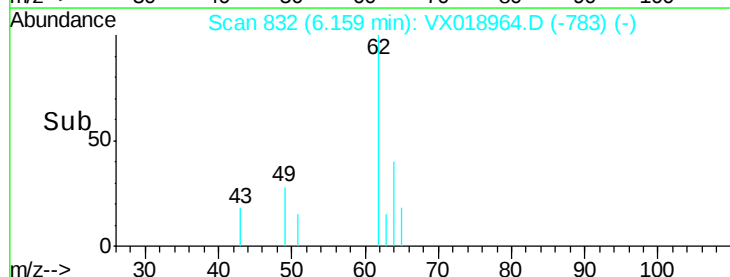
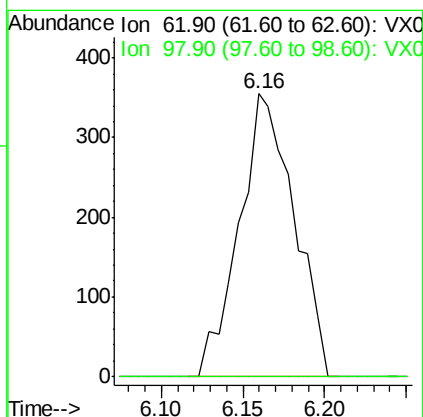
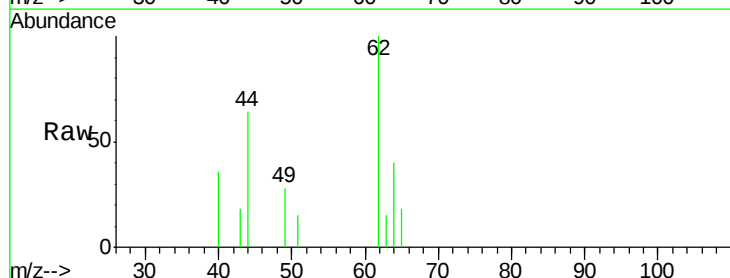
Acq: 19 Oct 2020 20:38

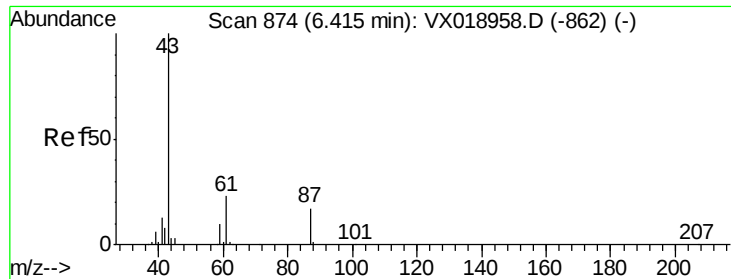
Tgt Ion: 62 Resp: 831

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.6





#43

Isopropyl Acetate

Concen: 0.527 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

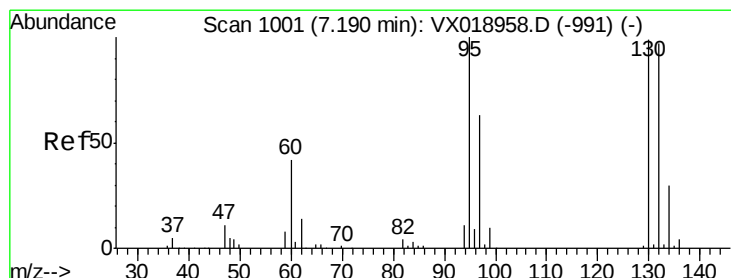
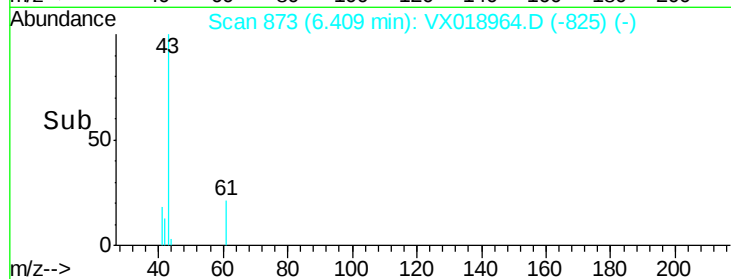
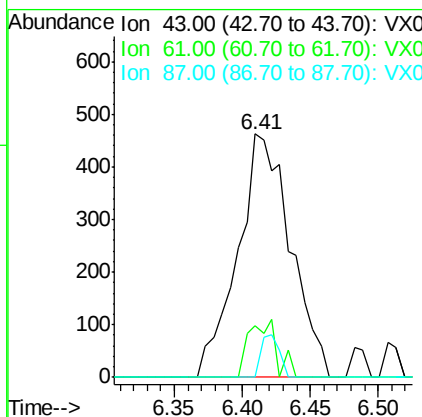
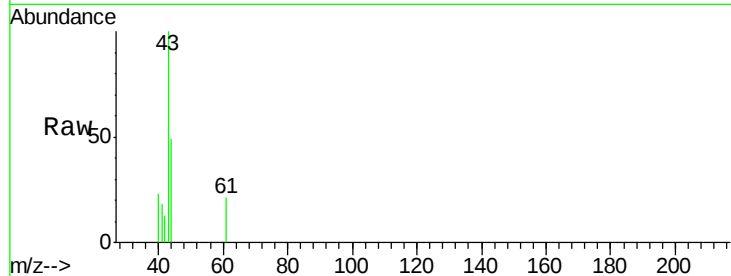
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	43	Resp:	1259
Ion	Ratio	Lower	Upper
43	100		
61	12.5	18.3	27.5#
87	6.0	13.4	20.2#

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#44

Trichloroethene

Concen: 0.520 ug/l

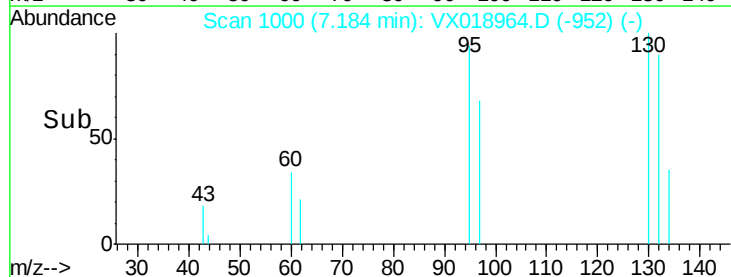
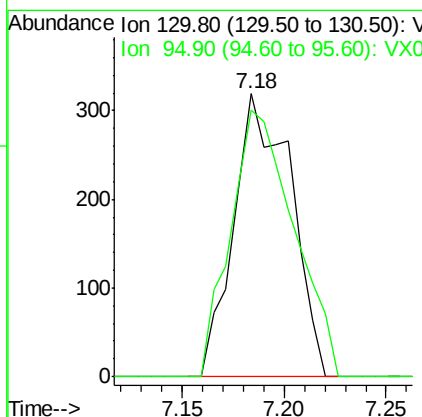
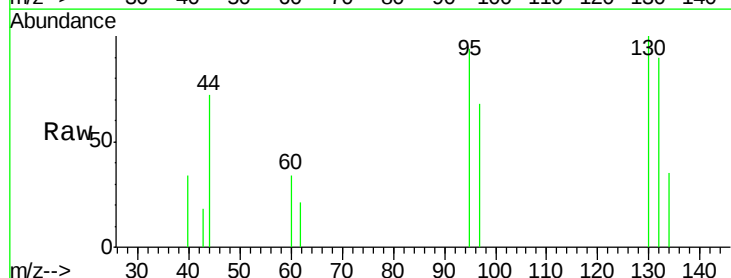
RT: 7.18 min Scan# 1000

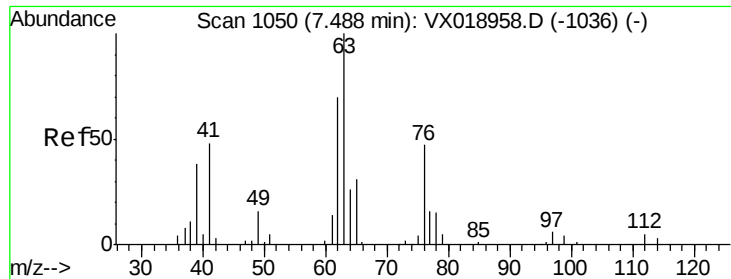
Delta R.T. -0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	130	Resp:	620
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	201.0





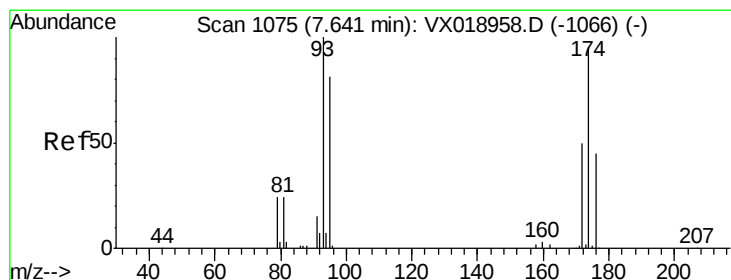
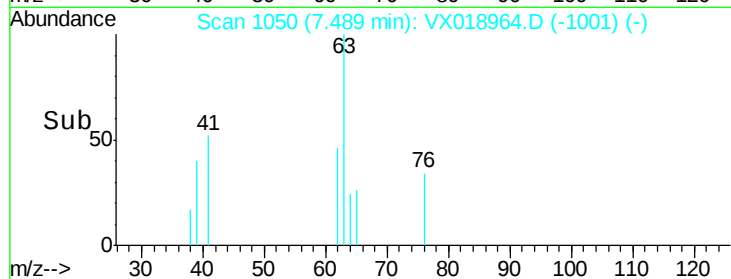
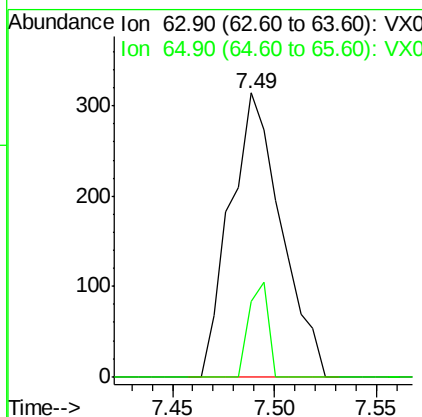
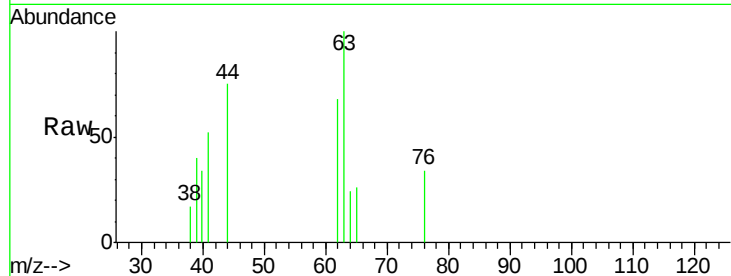
#45
 1,2-Dichloropropane
 Concen: 0.513 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 63 Resp: 548
 Ion Ratio Lower Upper
 63 100
 65 26.4 25.0 37.6

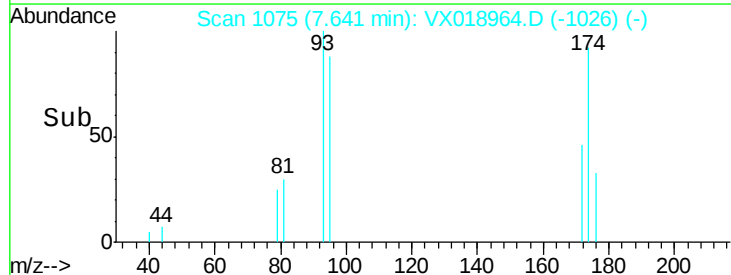
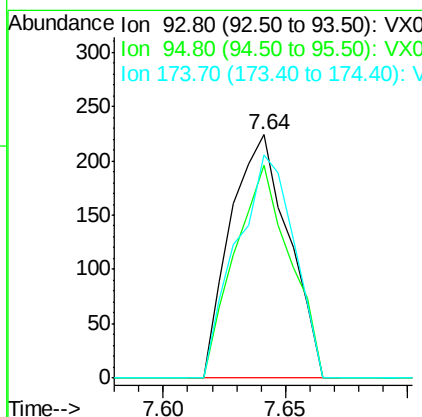
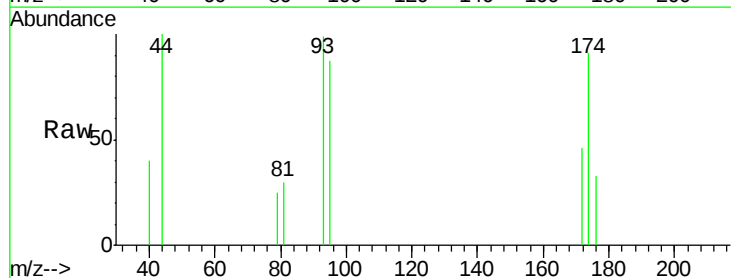
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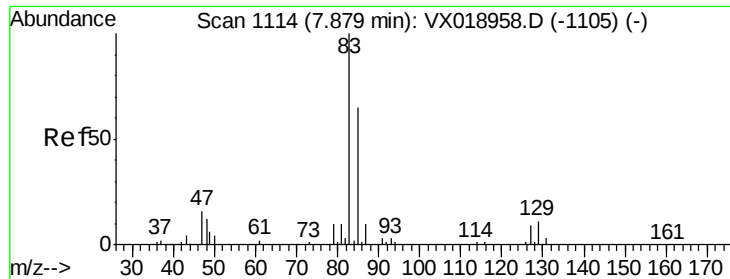
MMDadoda
 10/20/2020 4:52:34 PM



#46
 Dibromomethane
 Concen: 0.487 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion: 93 Resp: 372
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 90.9 73.8 110.8





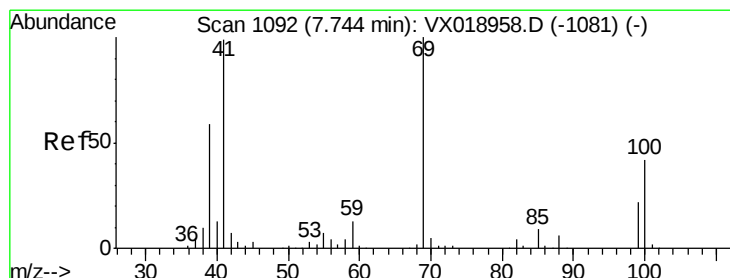
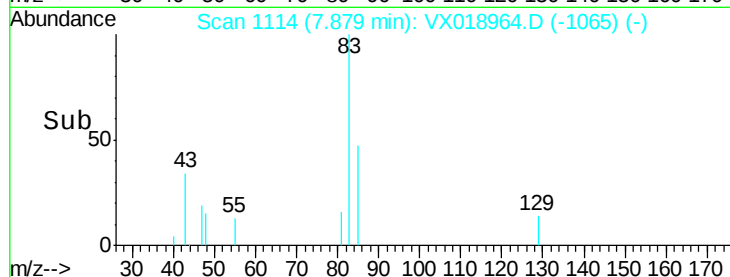
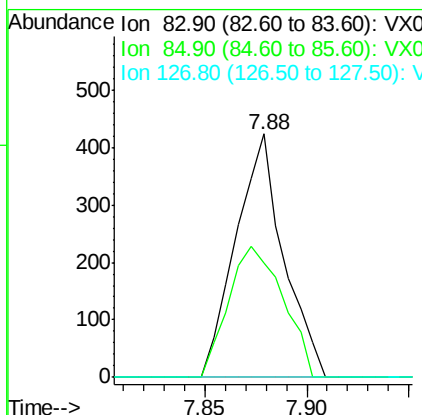
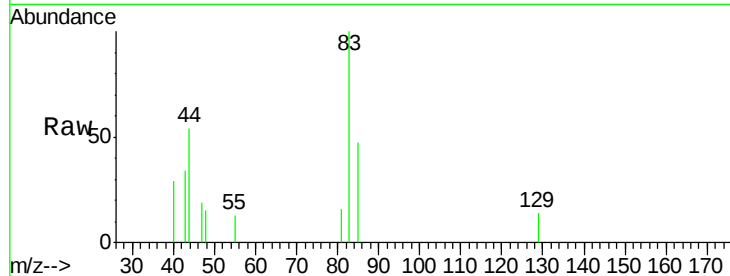
#47
Bromodichloromethane
Concen: 0.447 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
83	100		
85	47.2	52.4	78.6#
127	0.0	7.3	10.9#

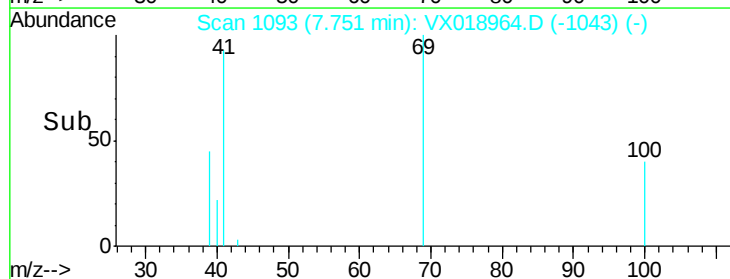
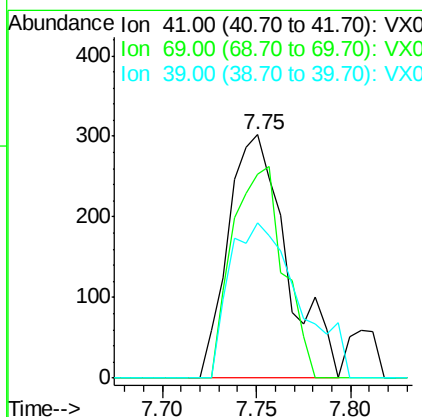
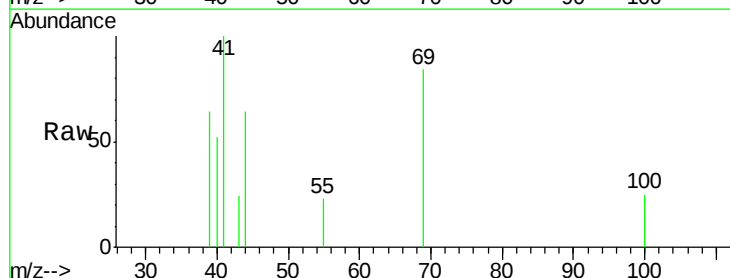
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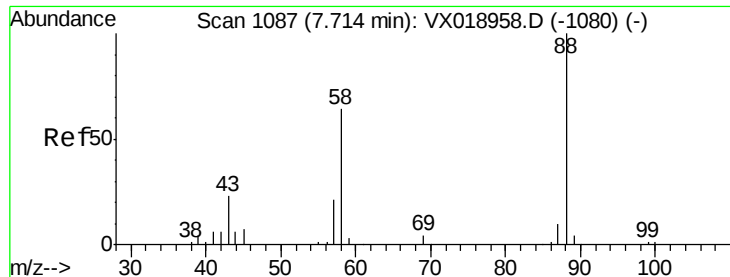
MMDadoda
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#48
Methyl methacrylate
Concen: 0.588 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.3	82.4	123.6#
39	75.7	48.1	72.1#





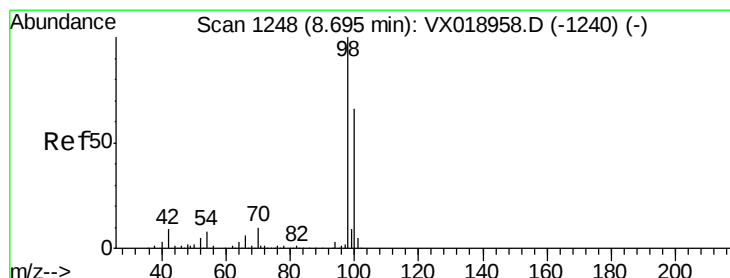
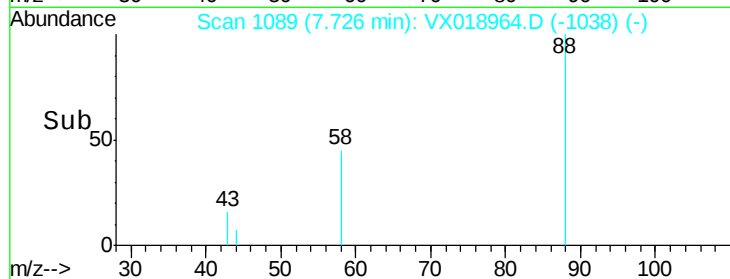
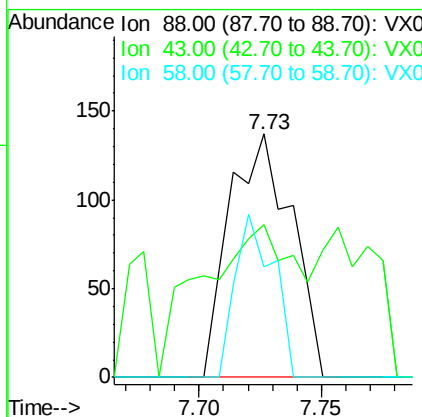
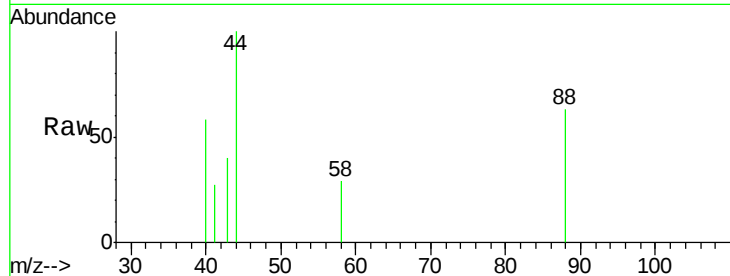
#49
1,4-Dioxane
Concen: 9.618 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	95.5	21.1	31.7#
58	41.0	50.3	75.5#

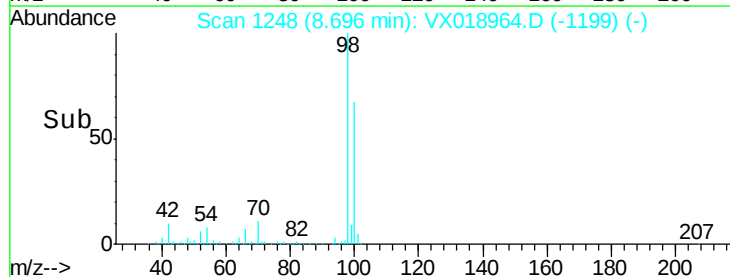
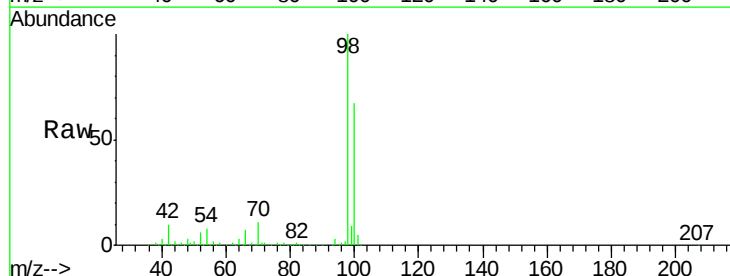
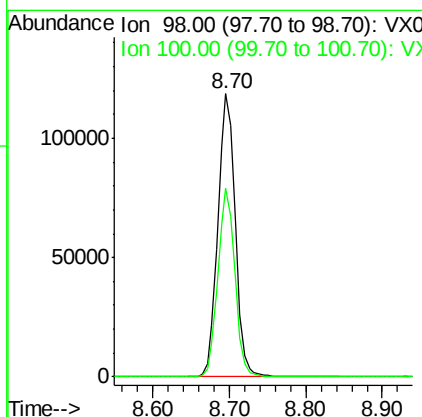
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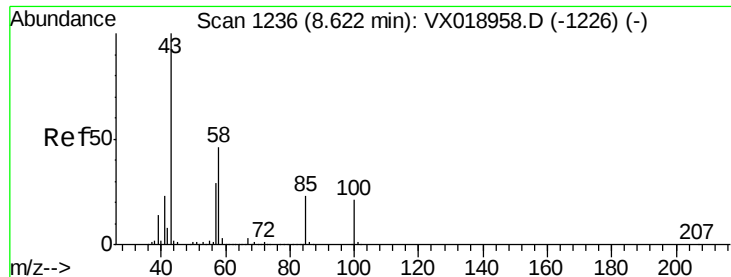
MMDadoda
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#50
Toluene-d8
Concen: 49.256 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 2.349 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 3259

Ion Ratio Lower Upper

43 100

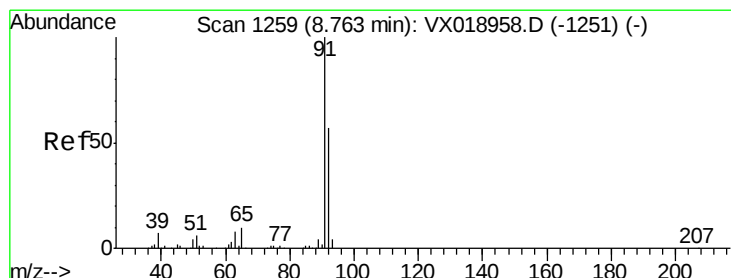
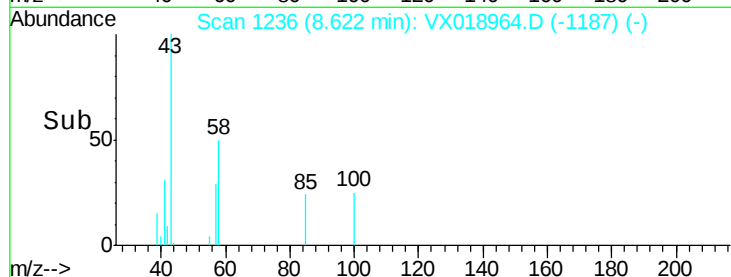
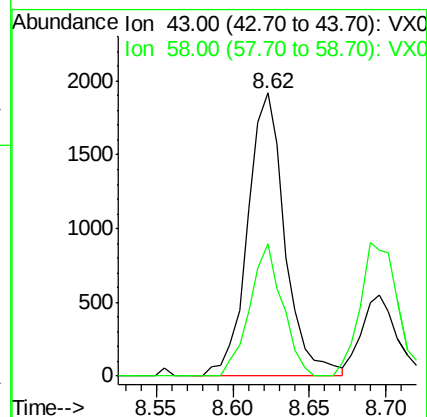
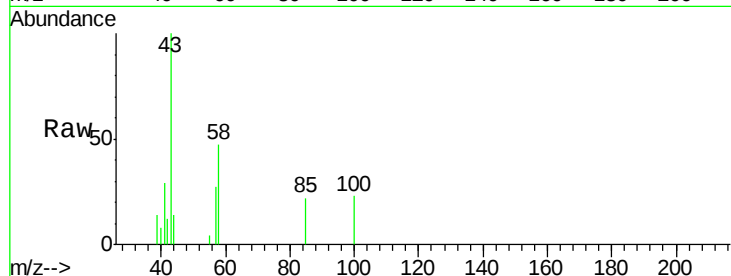
58 40.7 36.4 54.6

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#52

Toluene

Concen: 0.504 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018964.D

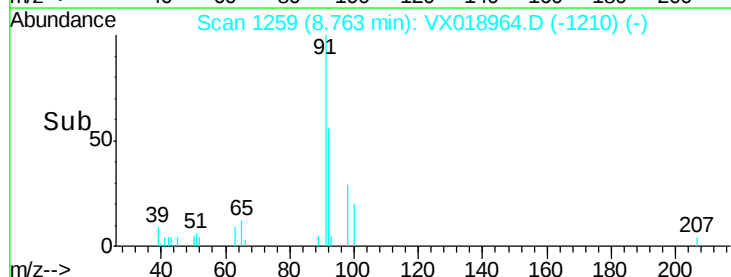
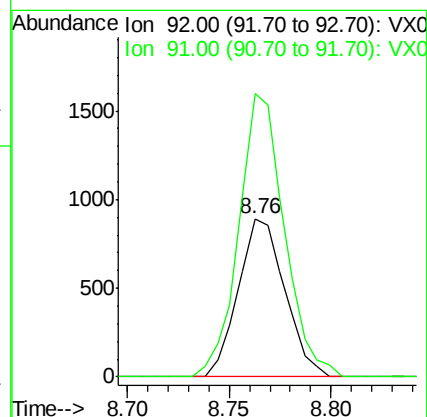
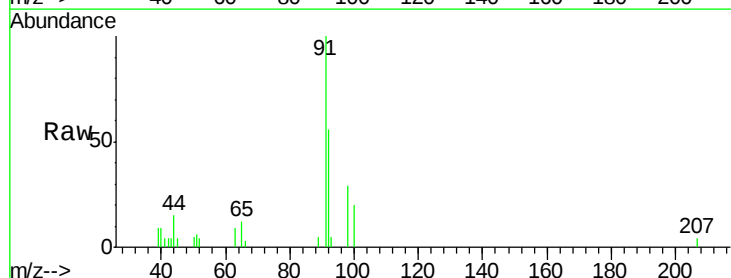
Acq: 19 Oct 2020 20:38

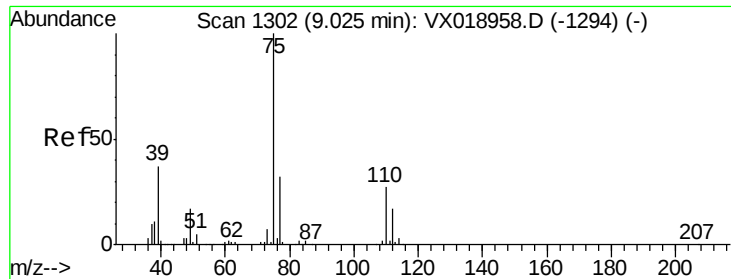
Tgt Ion: 92 Resp: 1406

Ion Ratio Lower Upper

92 100

91 175.3 137.1 205.7





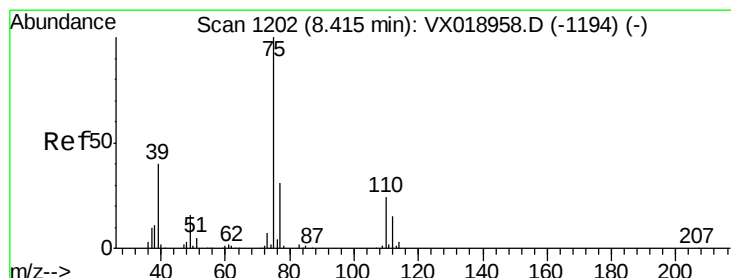
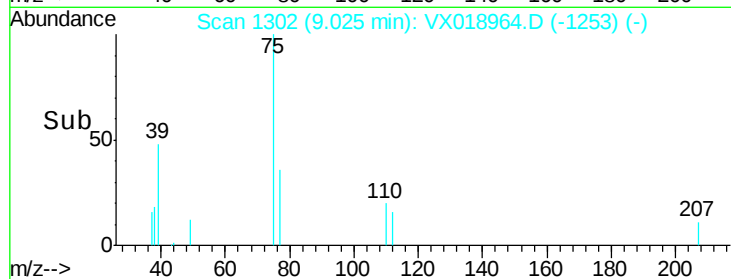
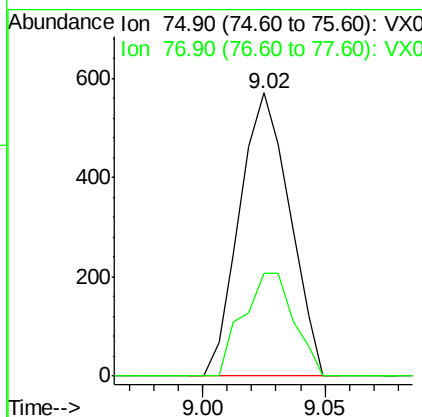
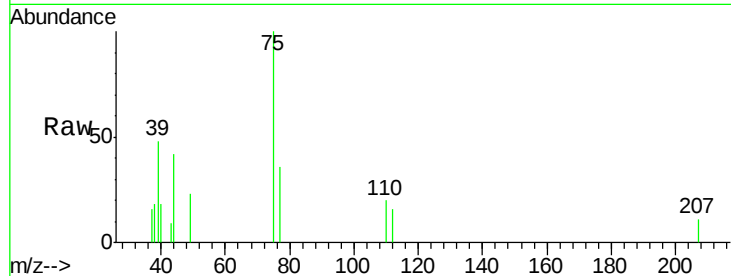
#53
 t-1,3-Dichloropropene
 Concen: 0.466 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
75	100		
77	36.4	26.0	39.0

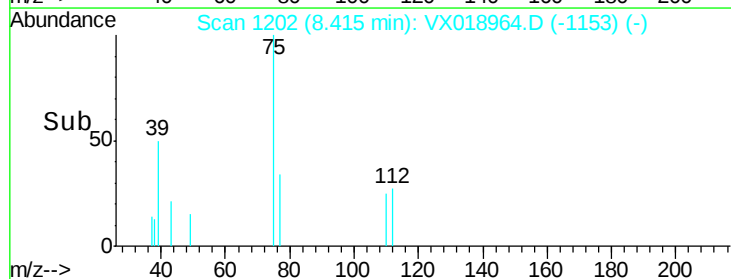
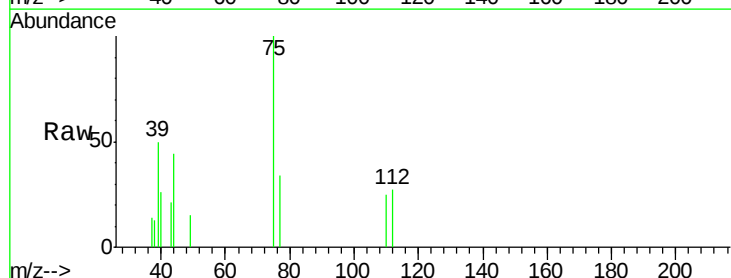
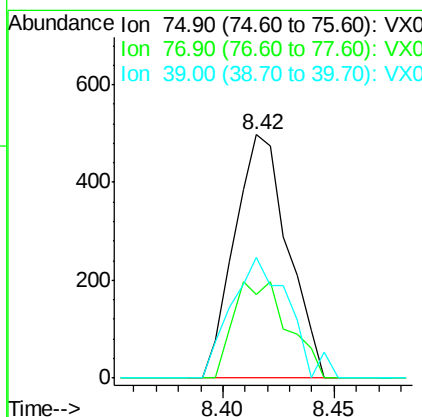
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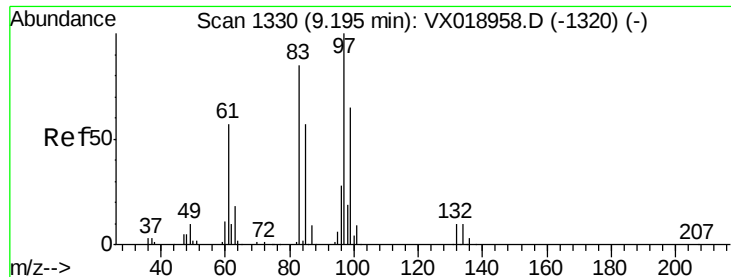
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#54
 cis-1,3-Dichloropropene
 Concen: 0.449 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.1	24.6	36.8
39	49.8	32.1	48.1#





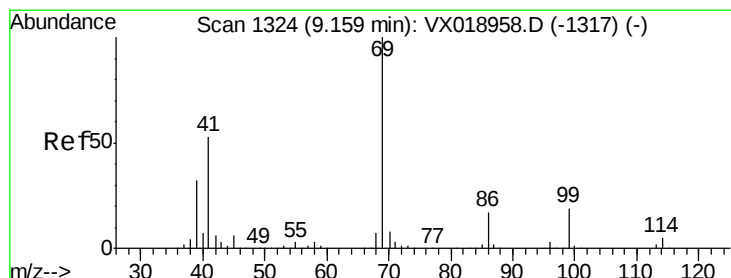
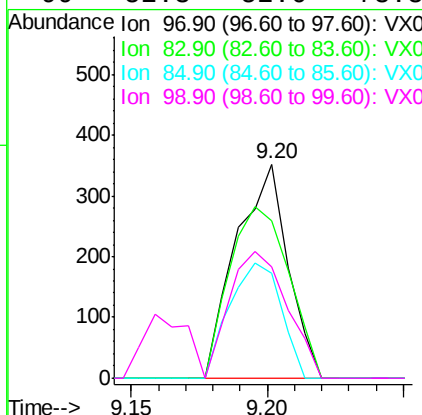
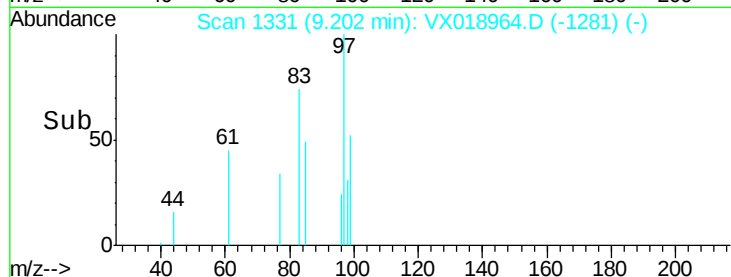
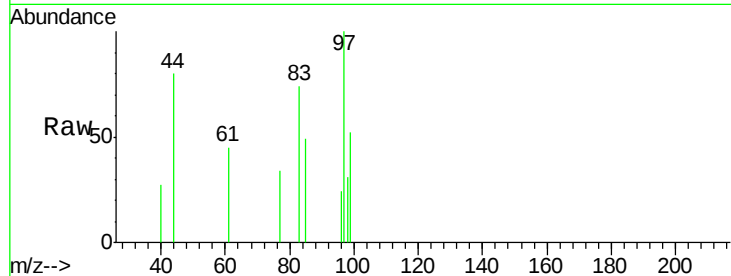
#55
 1,1,2-Trichloroethane
 Concen: 0.424 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion:	97	Resp:	464
Ion	Ratio	Lower	Upper
97	100		
83	73.6	67.8	101.8
85	48.9	45.7	68.5
99	52.3	52.6	78.8#

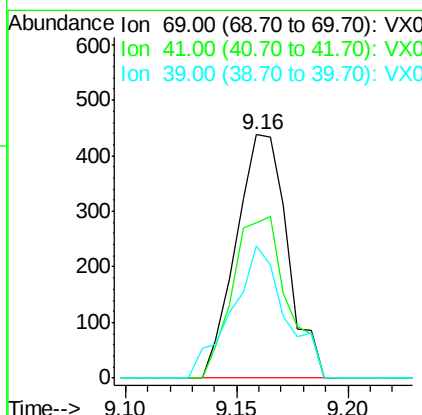
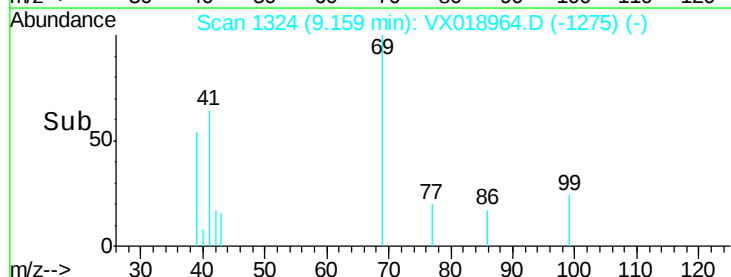
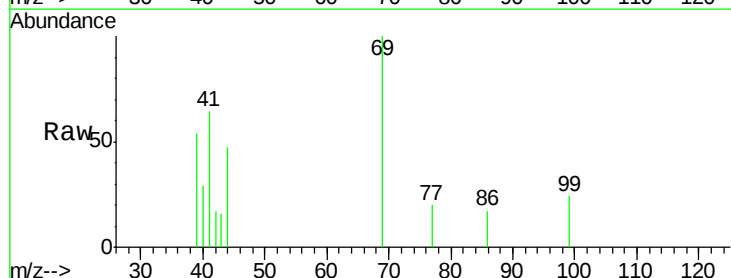
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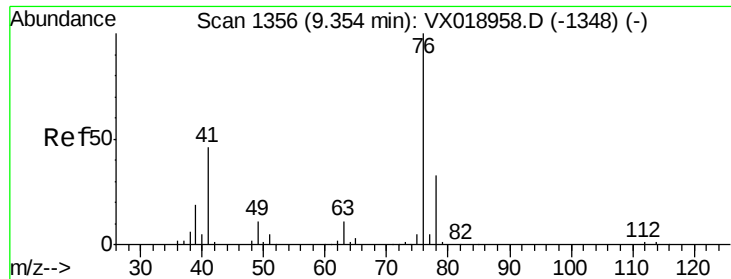
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#56
 Ethyl methacrylate
 Concen: 0.419 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion:	69	Resp:	705
Ion	Ratio	Lower	Upper
69	100		
41	70.4	43.4	65.2#
39	56.9	25.0	37.4#





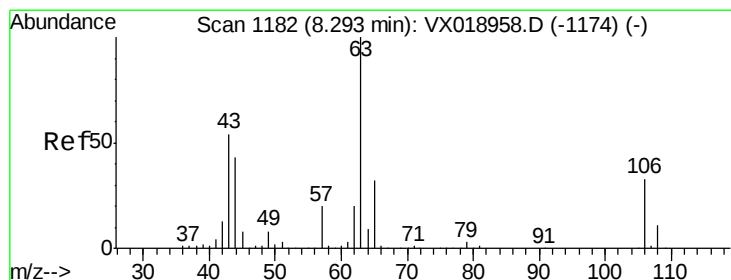
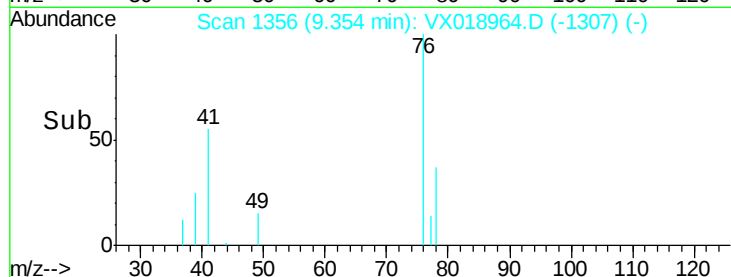
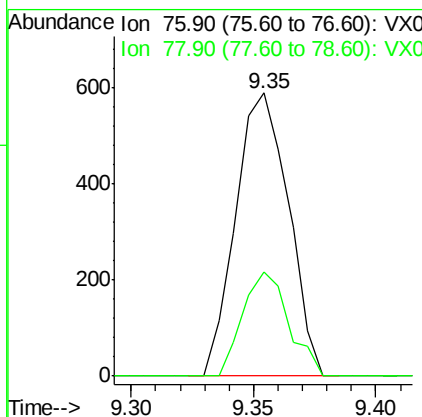
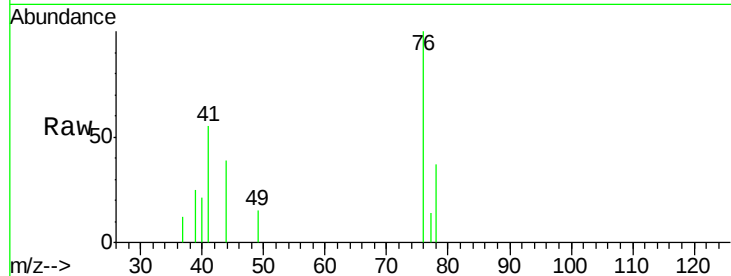
#57
 1,3-Dichloropropane
 Concen: 0.480 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 884
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

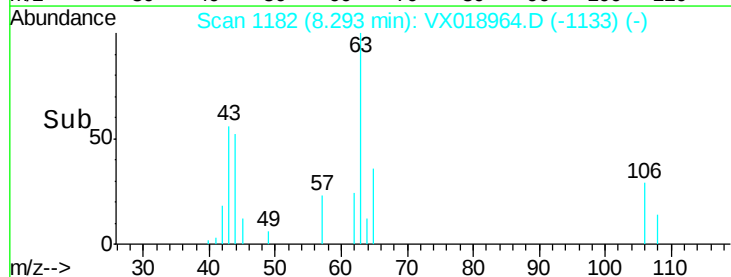
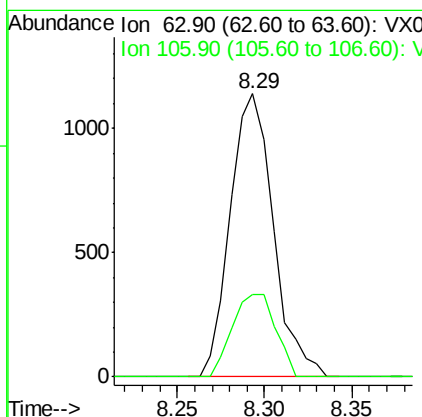
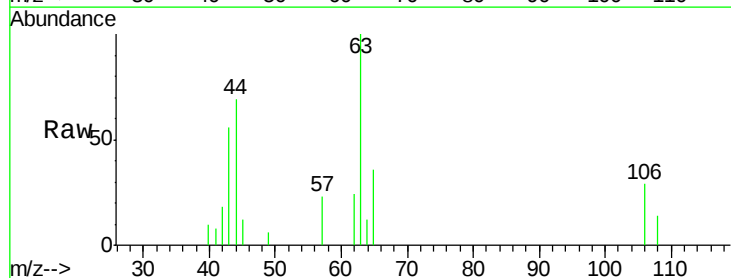
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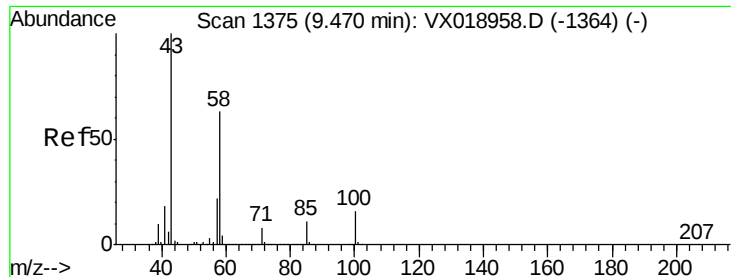
MMDadoda
 10/20/2020 4:52:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.106 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion: 63 Resp: 1954
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.8 37.2





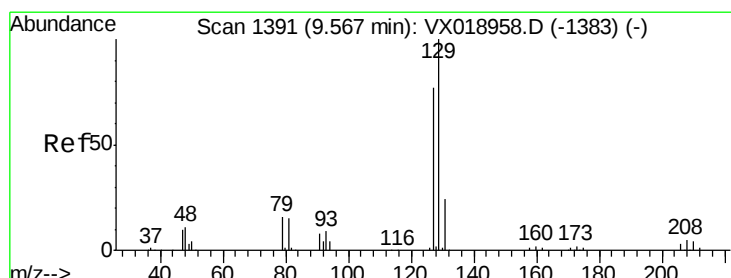
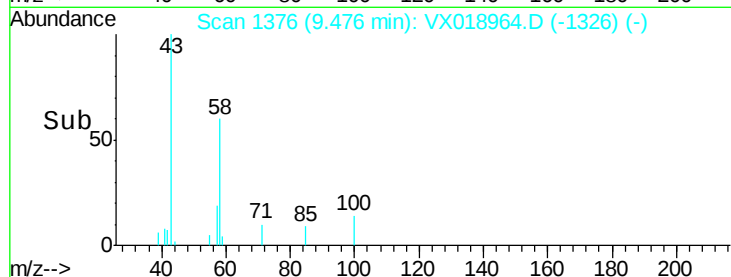
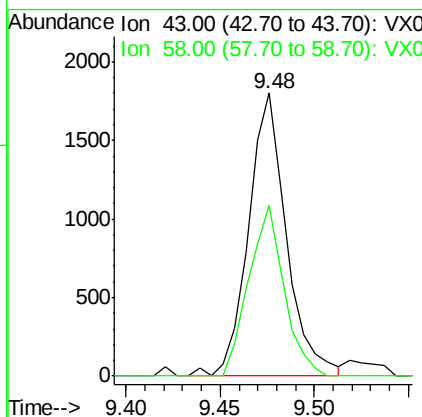
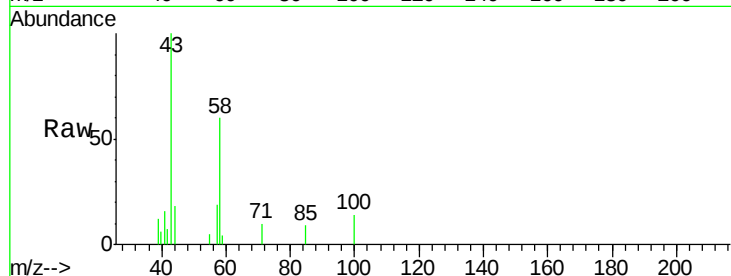
#59
2-Hexanone
Concen: 2.387 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 2517
Ion Ratio Lower Upper
43 100
58 56.0 31.7 95.1

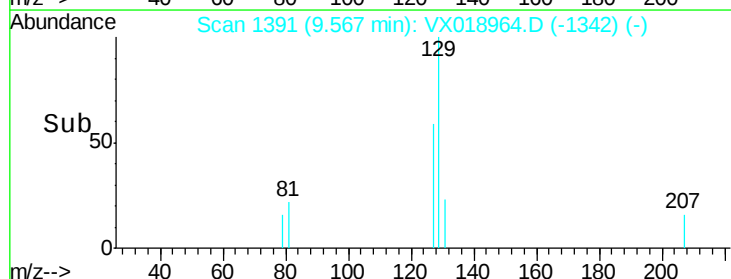
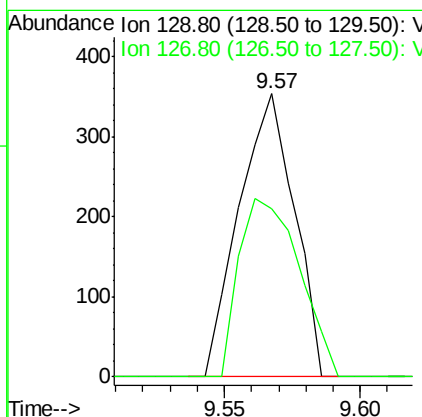
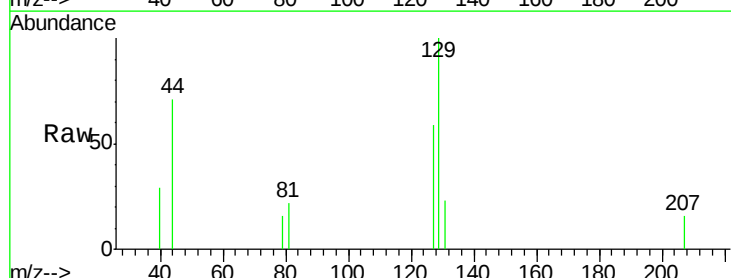
Manual Integrations
APPROVED

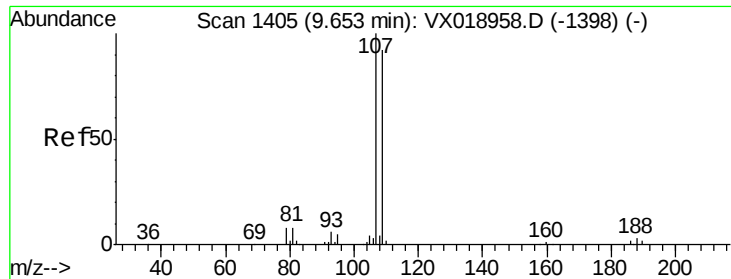
MMDadoda
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#60
Dibromochloromethane
Concen: 0.408 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion: 129 Resp: 495
Ion Ratio Lower Upper
129 100
127 69.3 38.8 116.4





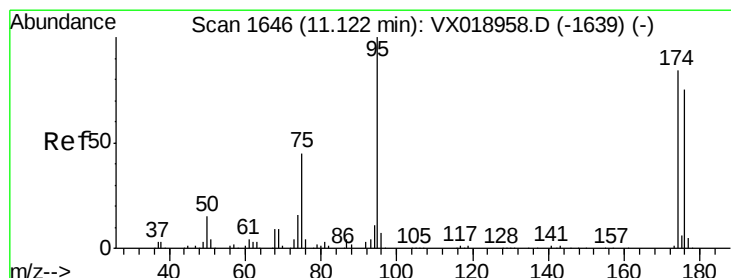
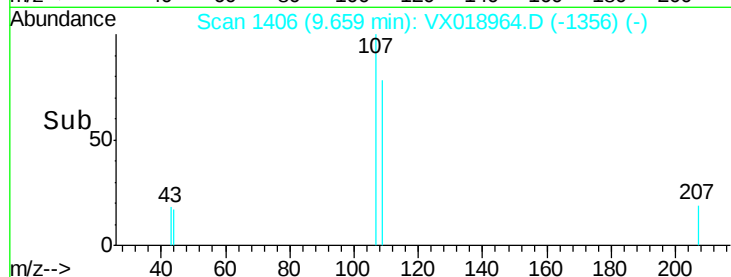
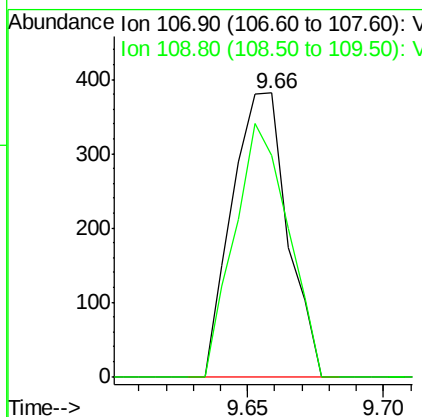
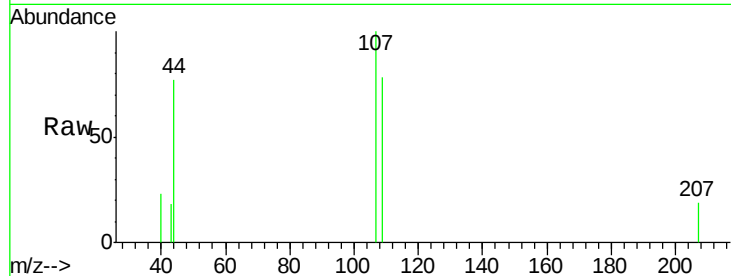
#61
 1,2-Dibromoethane
 Concen: 0.456 ug/l
 RT: 9.66 min Scan# 1406
 Delta R.T. 0.01 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion: 107 Resp: 541
 Ion Ratio Lower Upper
 107 100
 109 86.5 75.2 112.8

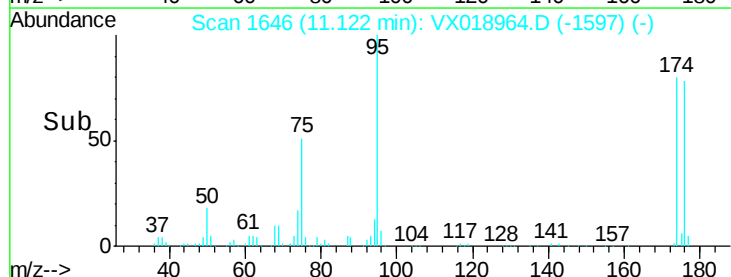
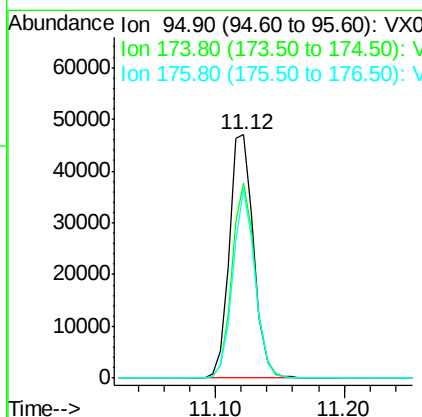
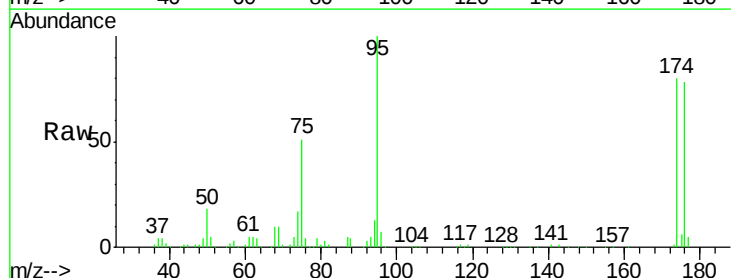
Manual Integrations
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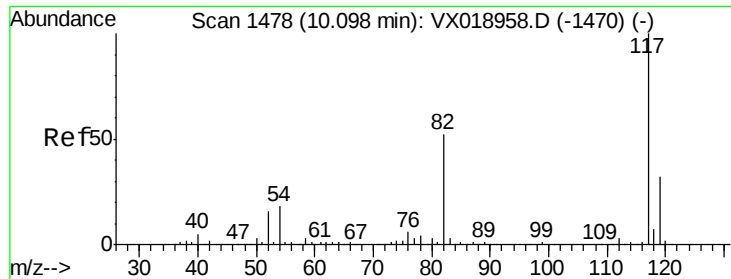
MMDadoda
 10/20/2020 4:52:34 PM



#62
 4-Bromofluorobenzene
 Concen: 46.296 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion: 95 Resp: 62176
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 164.6
 176 70.8 0.0 154.6





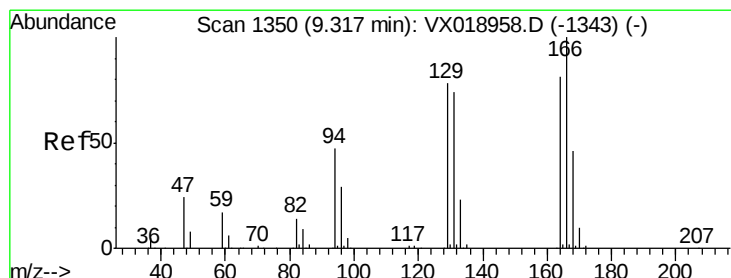
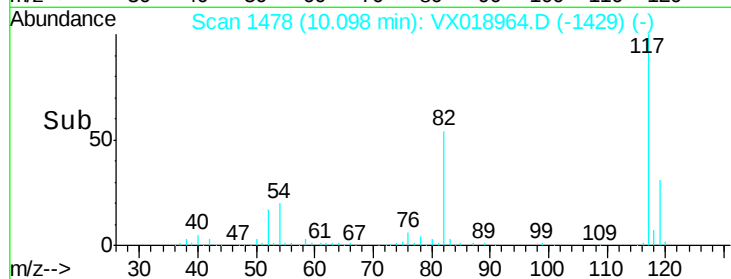
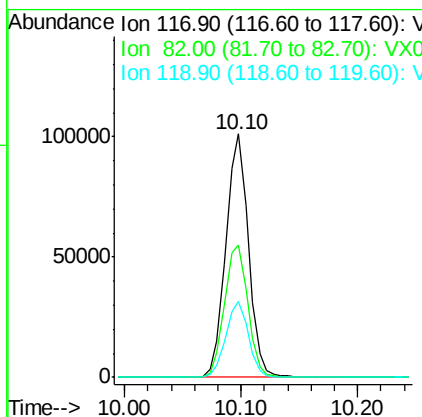
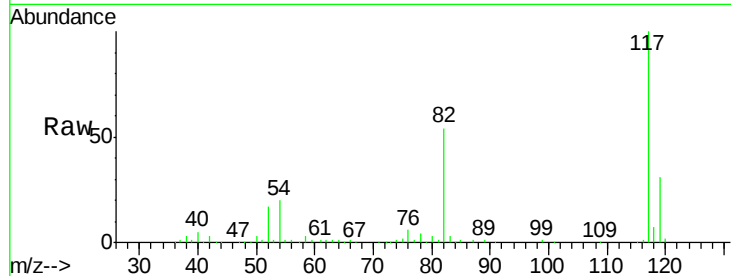
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.6	62.4
119	31.3	25.4	38.2

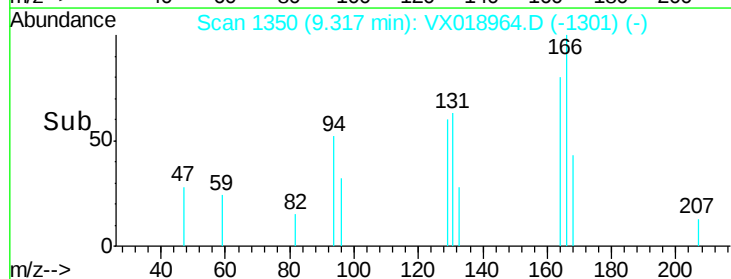
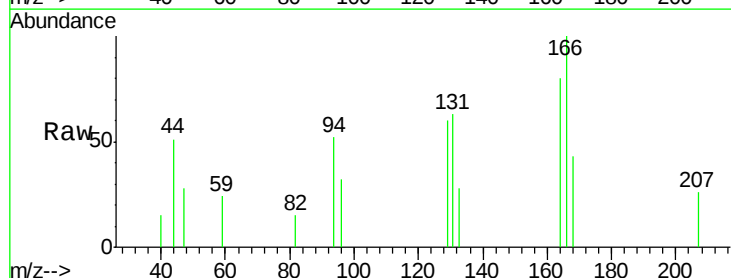
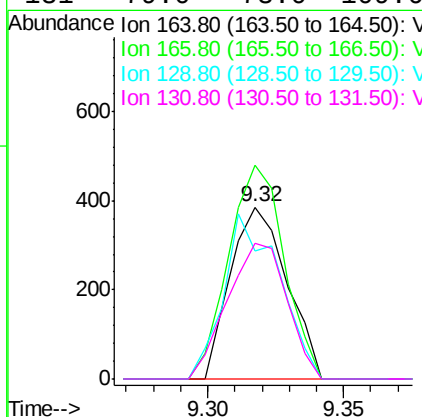
Manual Integrations
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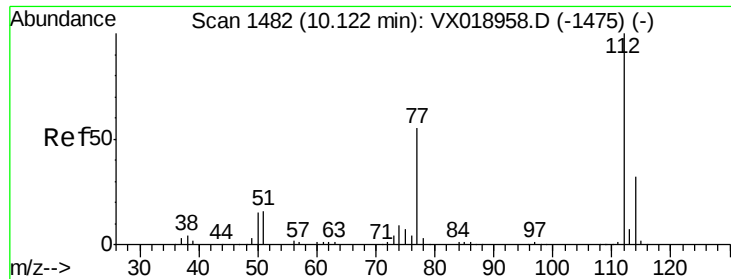
MMDadoda
10/20/2020 4:52:34 PM



#64
Tetrachloroethene
Concen: 0.577 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	98.9	148.3
129	74.3	77.0	115.4
131	79.0	73.0	109.6





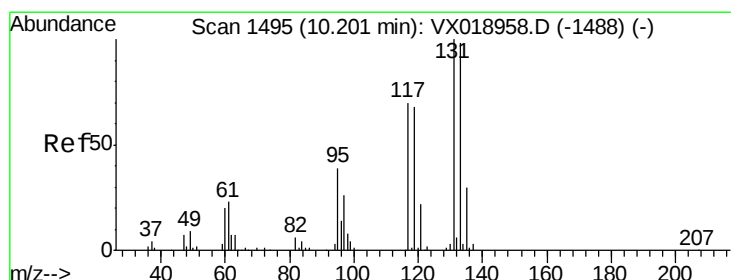
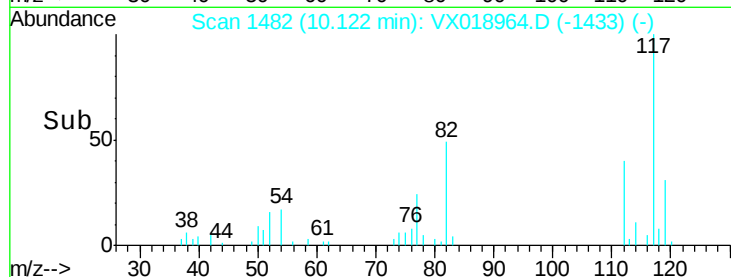
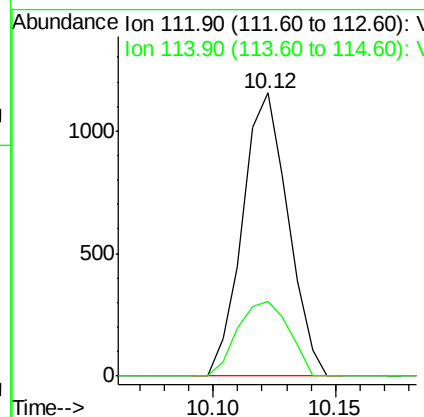
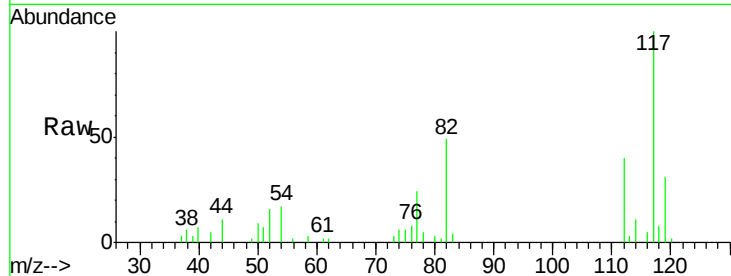
#65
Chlorobenzene
Concen: 0.526 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion:112 Resp: 1496
Ion Ratio Lower Upper
112 100
114 26.4 25.6 38.4

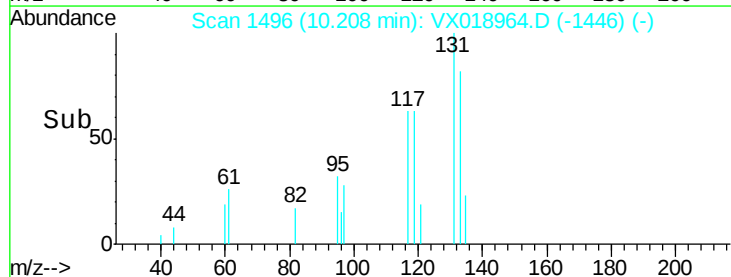
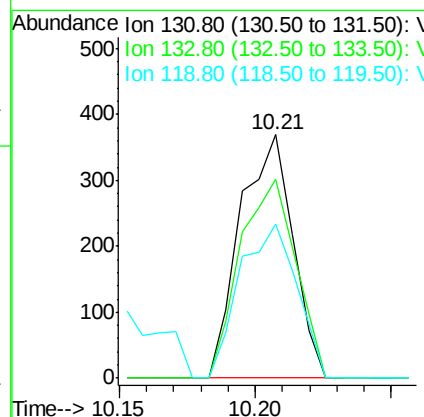
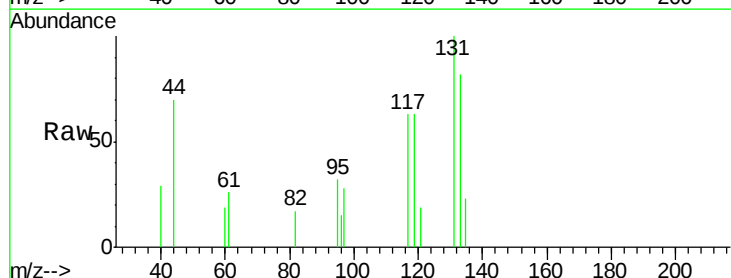
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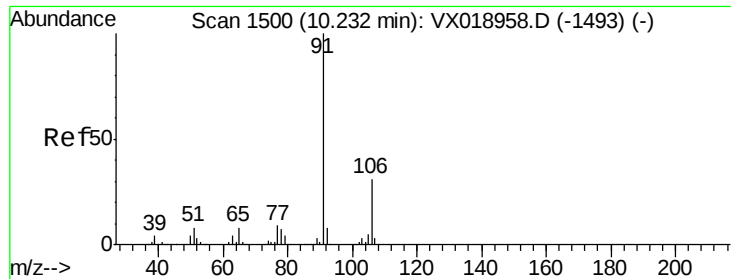
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.472 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion:131 Resp: 493
Ion Ratio Lower Upper
131 100
133 86.4 47.4 142.2
119 0.0 33.5 100.4#





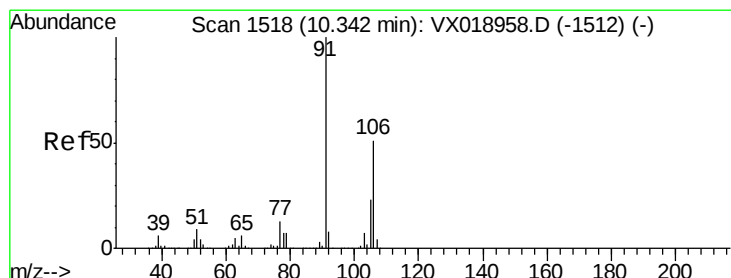
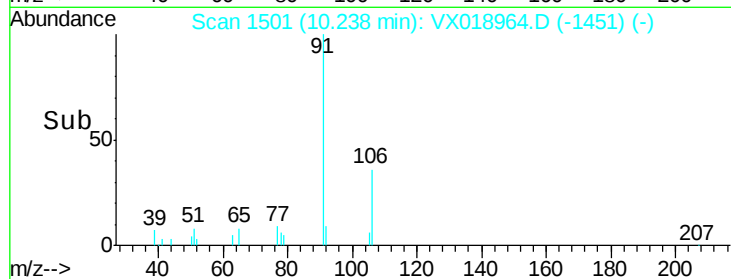
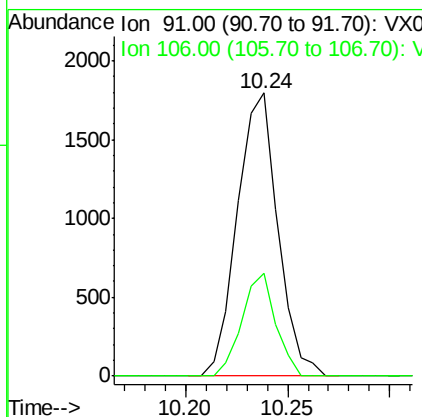
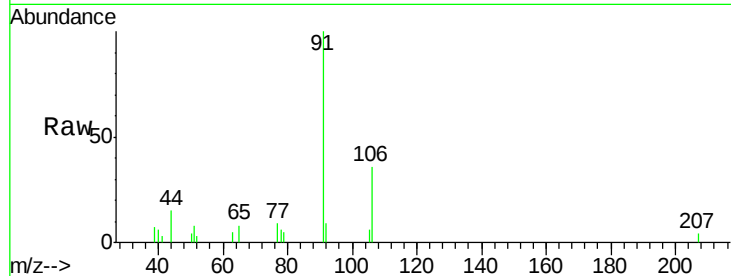
#67
Ethyl Benzene
Concen: 0.501 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 2475
Ion Ratio Lower Upper
91 100
106 36.4 24.7 37.1

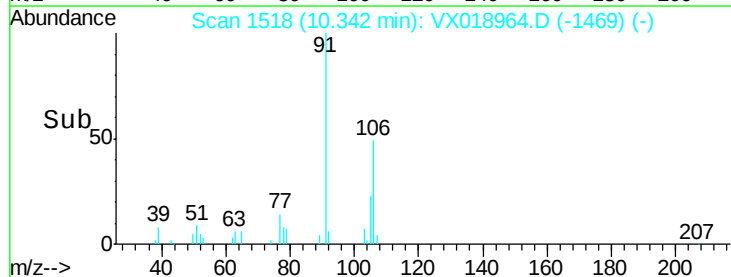
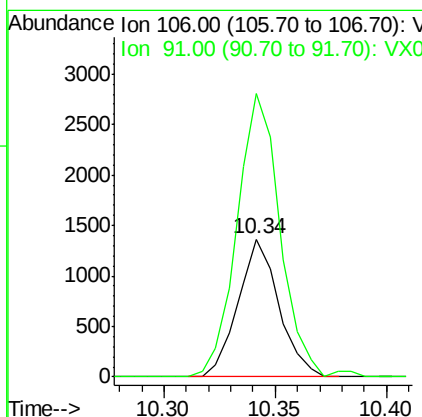
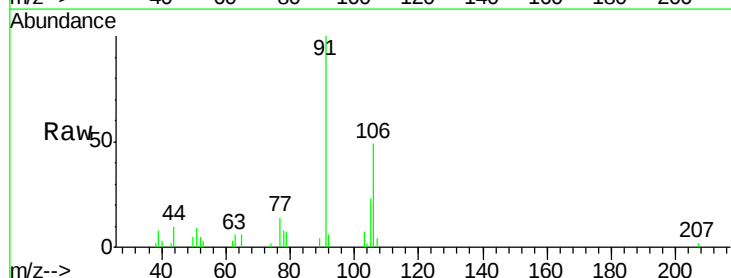
Manual Integrations
APPROVED

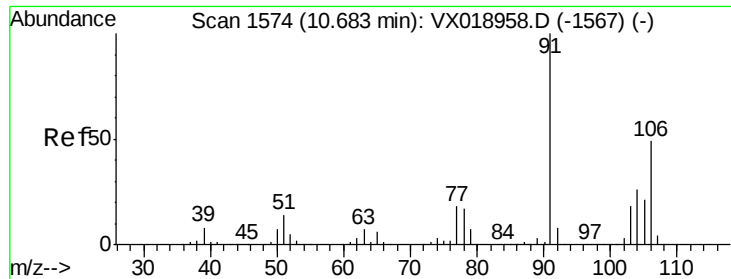
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#68
m/p-Xylenes
Concen: 0.908 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion: 106 Resp: 1738
Ion Ratio Lower Upper
106 100
91 218.3 156.7 235.1





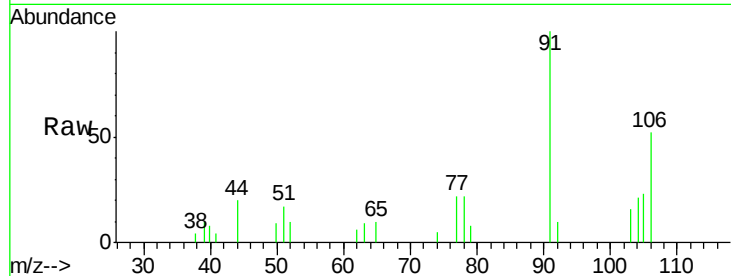
#69
o-Xylene
Concen: 0.428 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

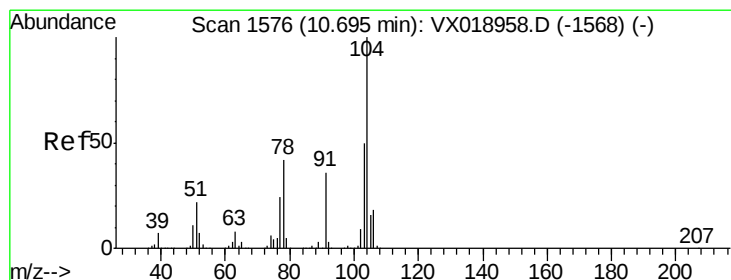
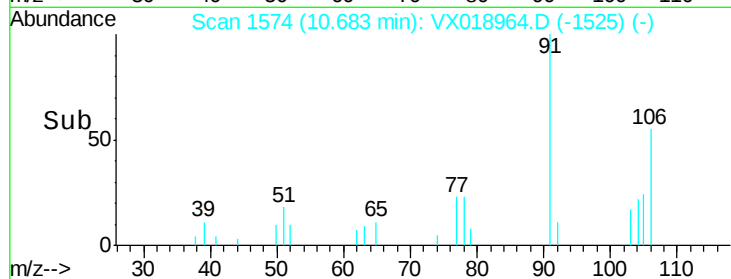
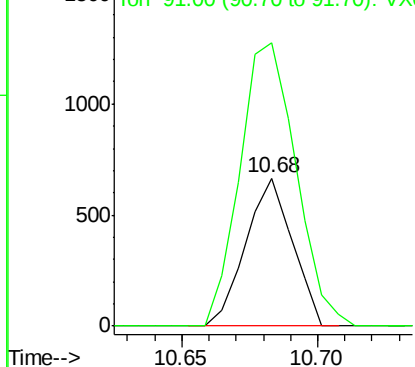
Tot Ion:106 Resp: 791
Ion Ratio Lower Upper
106 100
91 230.3 102.4 307.1

Manual Integrations
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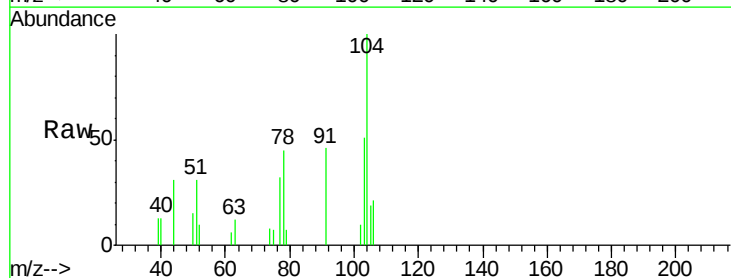


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

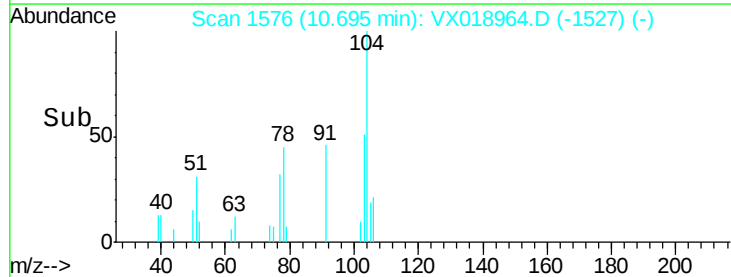
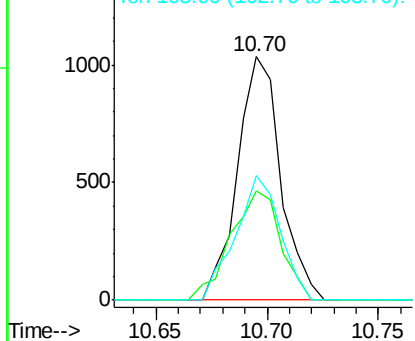


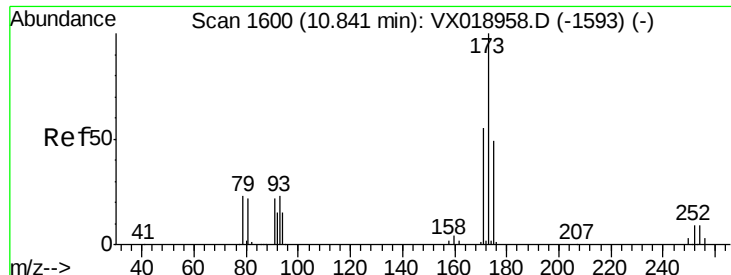
#70
Styrene
Concen: 0.451 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion:104 Resp: 1399
Ion Ratio Lower Upper
104 100
78 51.6 37.9 56.9
103 52.8 43.7 65.5



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





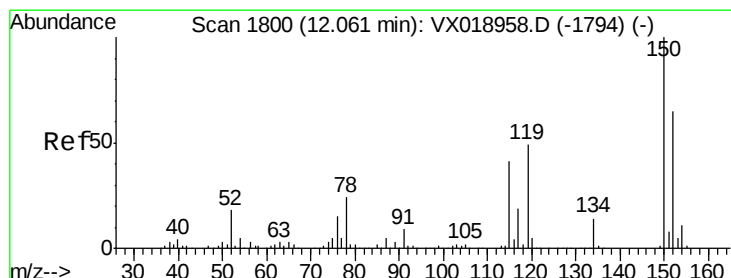
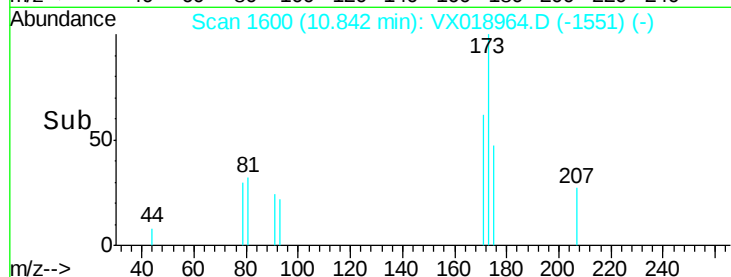
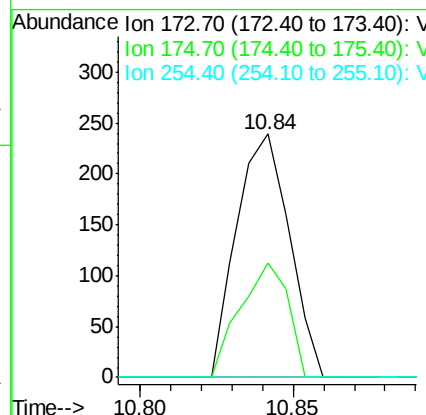
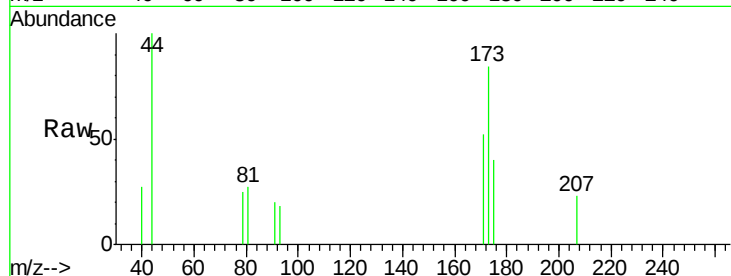
#71
Bromoform
Concen: 0.341 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.8	23.7	71.1
254	0.0	0.0	0.0

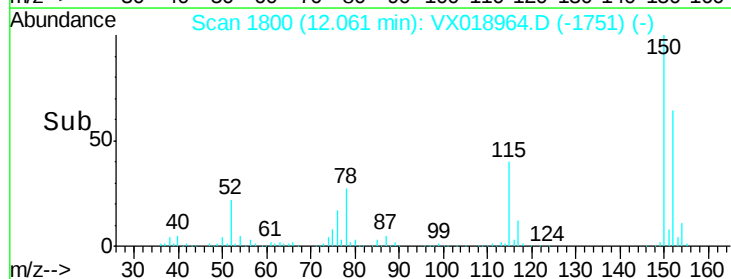
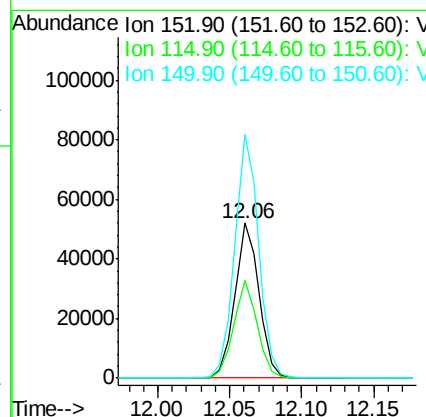
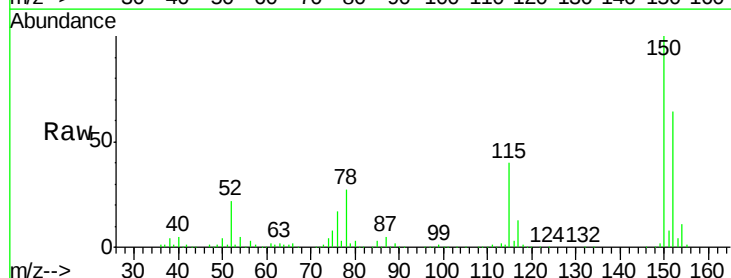
Manual Integrations
APPROVED

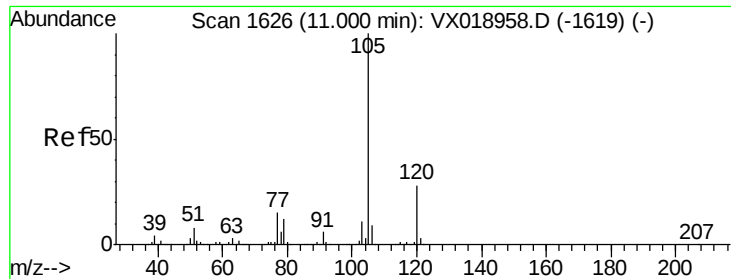
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	40.8	122.2
150	156.7	0.0	352.0





#73

Isopropylbenzene

Concen: 0.498 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 105 Resp: 2216

Ion Ratio Lower Upper

105 100

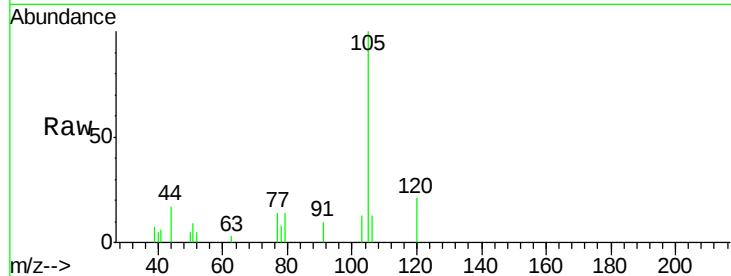
120 23.4 13.9 41.7

Manual Integrations

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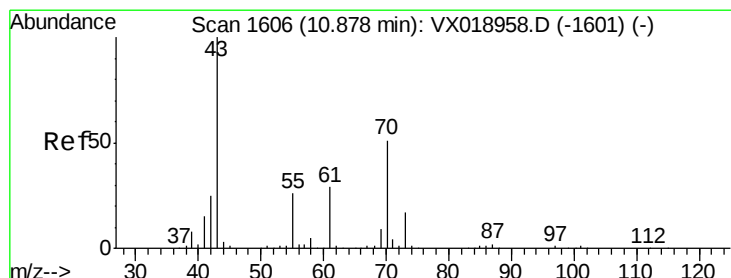
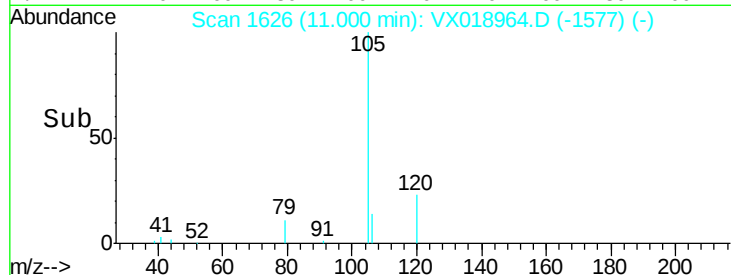
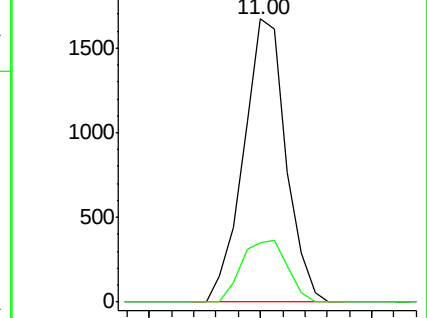
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.629 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion: 43 Resp: 1051

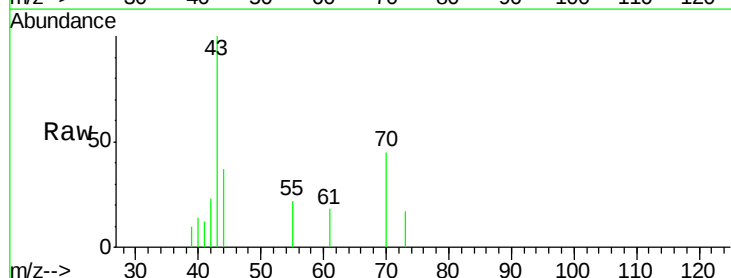
Ion Ratio Lower Upper

43 100

70 40.5 42.4 63.6#

55 26.5 21.0 31.6

61 19.3 23.2 34.8#

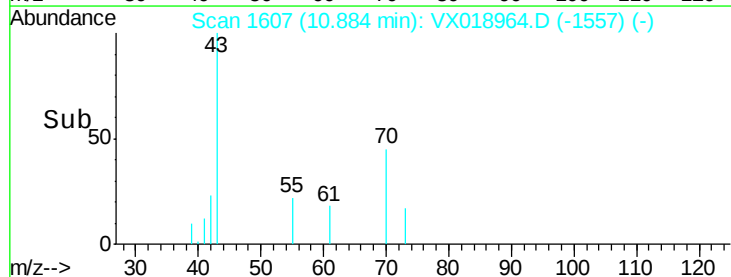
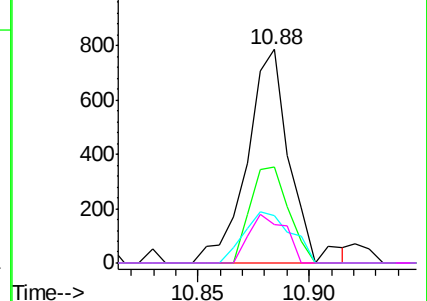


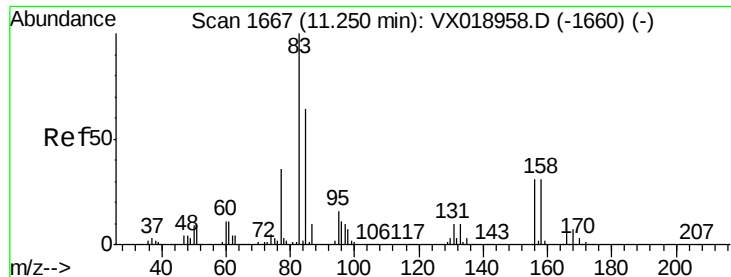
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 0.503 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

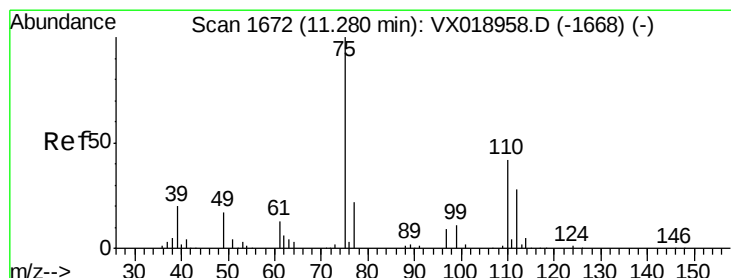
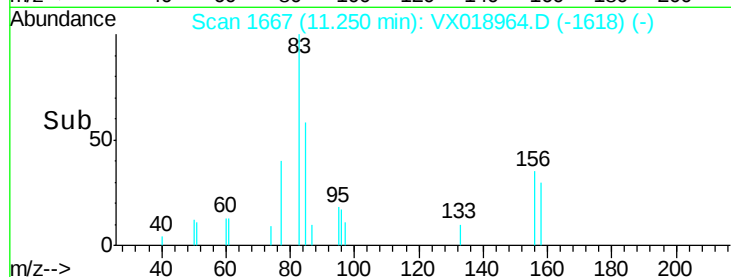
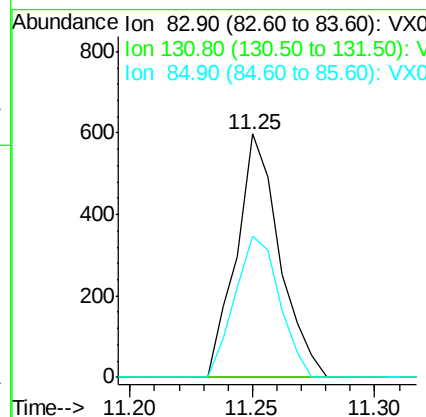
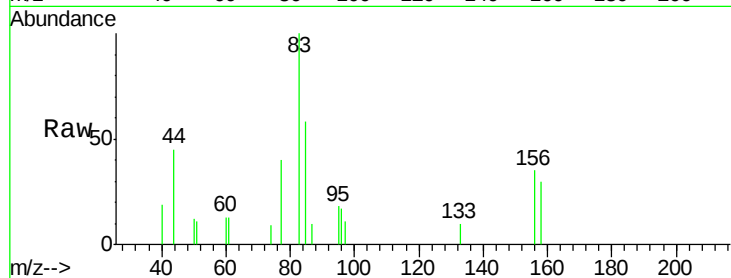
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	730
Ion Ratio	Lower	Upper	
83	100		
131	0.0	5.3	15.9#
85	60.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.453 ug/l m

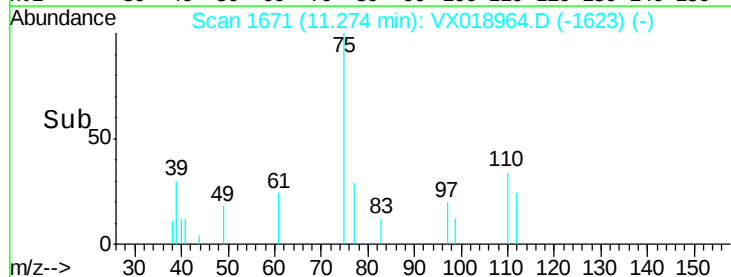
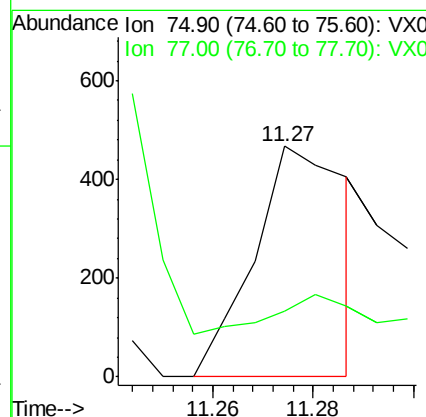
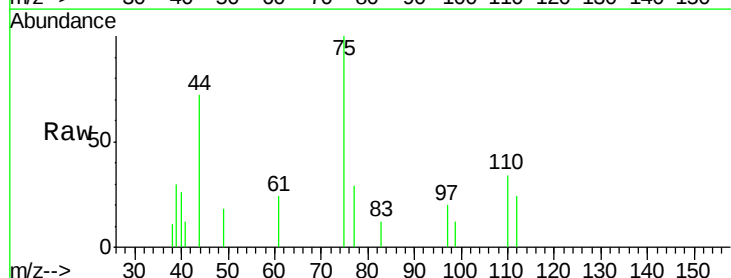
RT: 11.27 min Scan# 1671

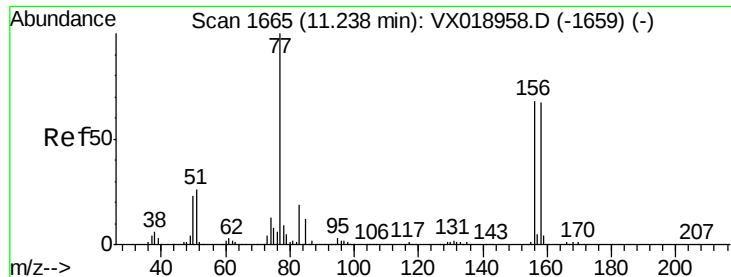
Delta R.T. -0.01 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	75	Resp:	605
Ion Ratio	Lower	Upper	
75	100		
77	63.1	21.1	63.1





#77

Bromobenzene

Concen: 0.570 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

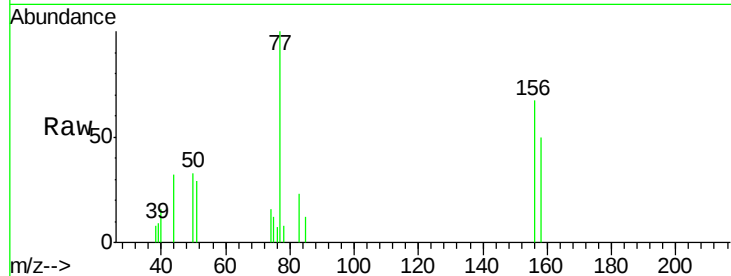
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	156	Resp:	615
Ion Ratio	Lower	Upper	
156	100		
77	174.6	77.4	232.2
158	86.2	50.6	151.9

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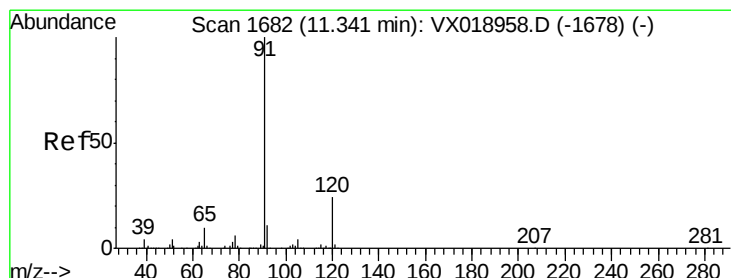
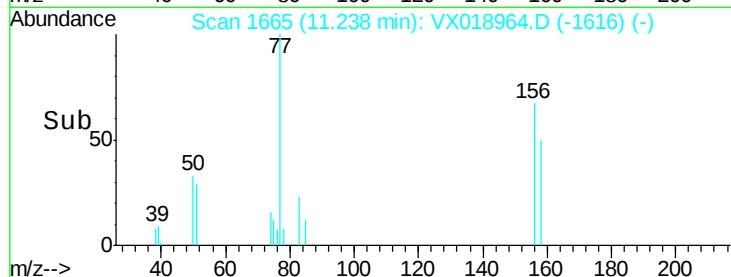
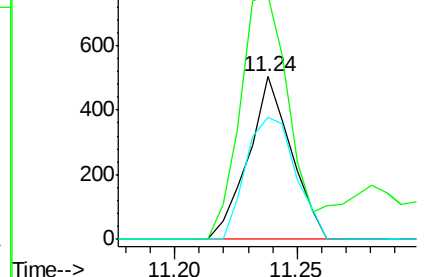
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.534 ug/l

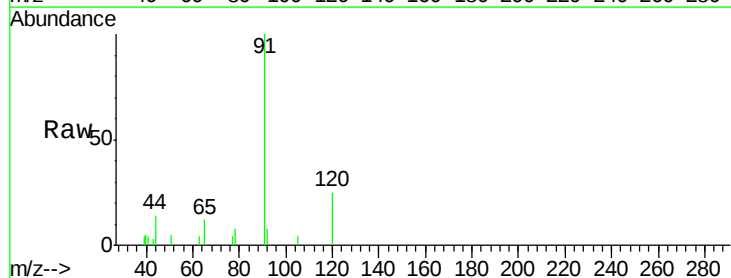
RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX018964.D

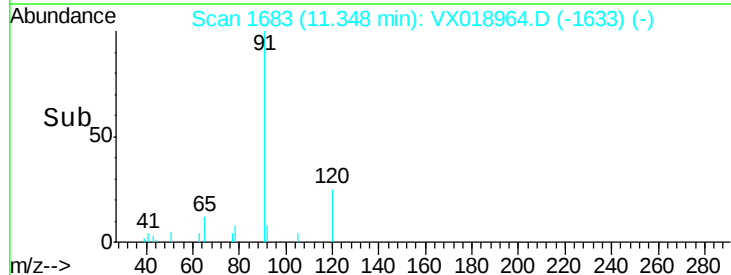
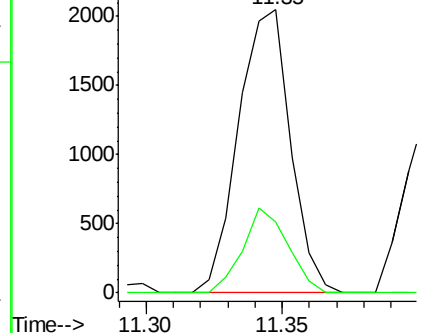
Acq: 19 Oct 2020 20:38

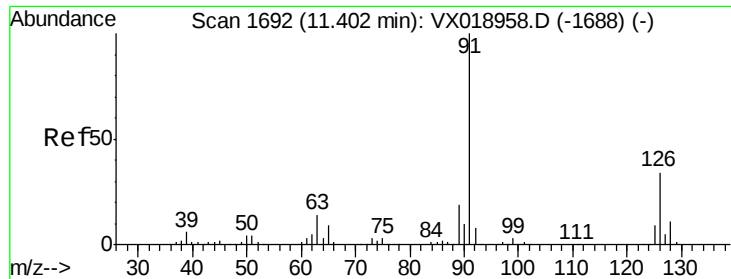
Tgt Ion:	91	Resp:	2717
Ion Ratio	Lower	Upper	
91	100		
120	25.8	12.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.554 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 1644

Ion Ratio Lower Upper

91 100

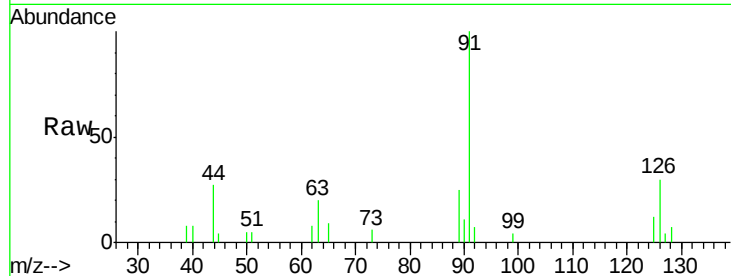
126 28.8 17.6 52.9

Manual Integrations

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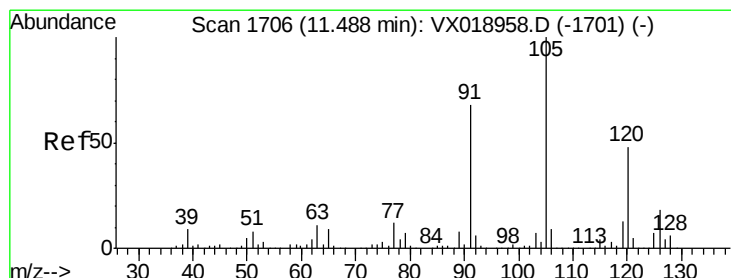
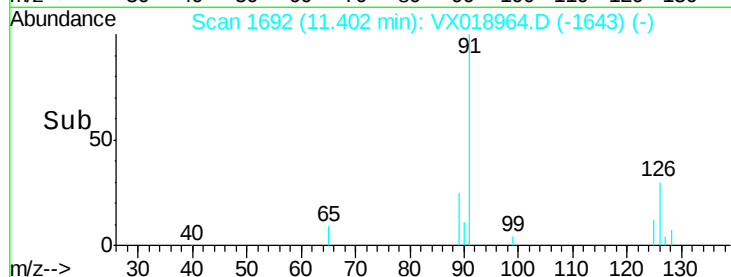
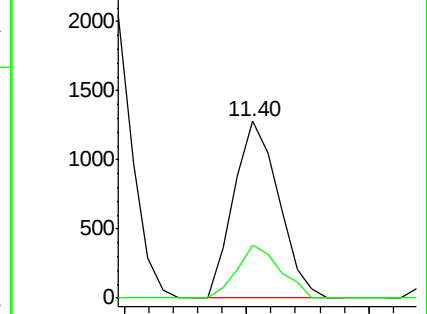
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Abundance Ion 91.00 (90.70 to 91.70): VX018958.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX018958.D (-1688) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.513 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX018964.D

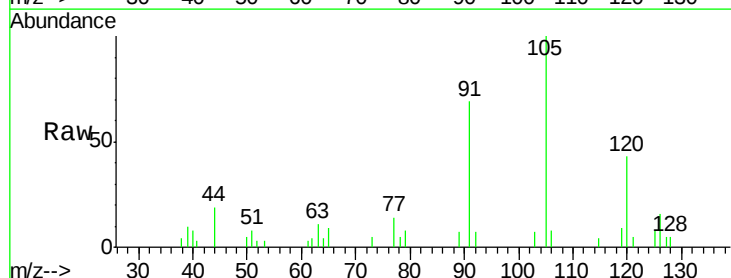
Acq: 19 Oct 2020 20:38

Tgt Ion: 105 Resp: 1904

Ion Ratio Lower Upper

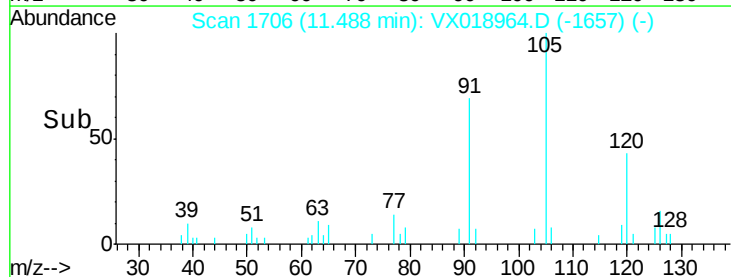
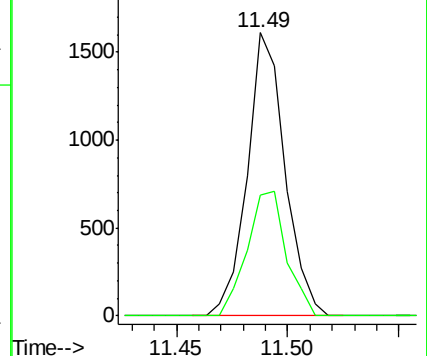
105 100

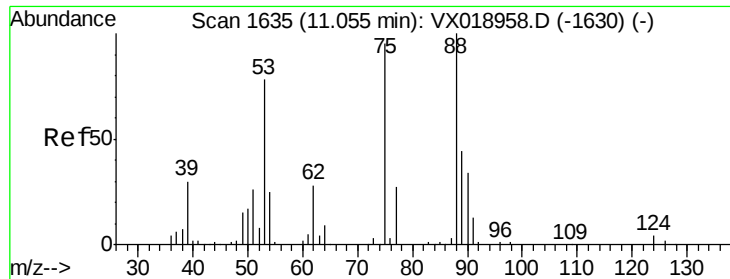
120 45.6 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX018958.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX018958.D (-1701) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.479 ug/l m

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Instrument :

MSVOA_X

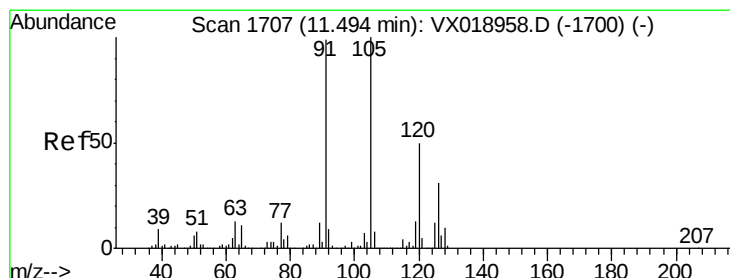
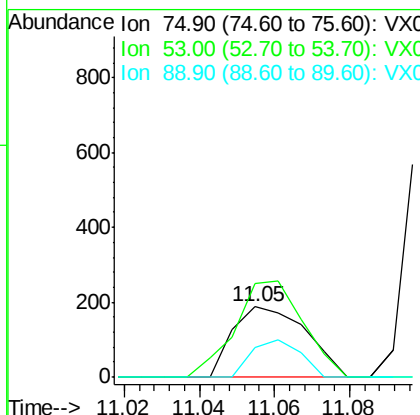
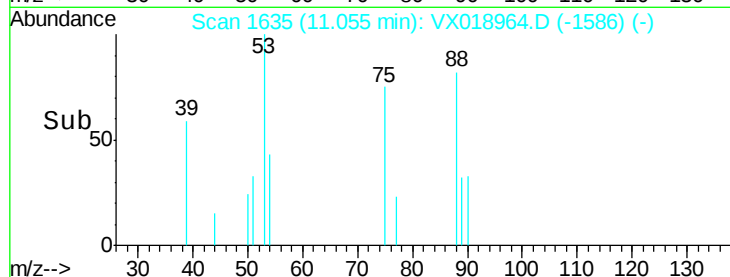
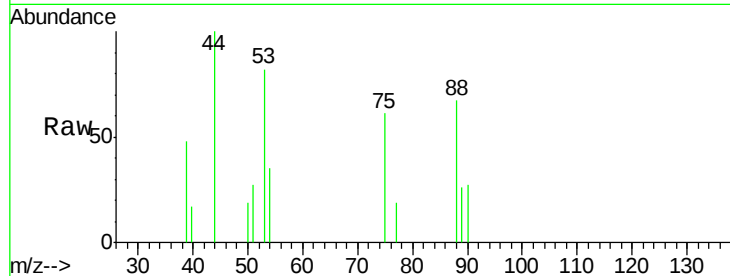
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	75	Resp:	254
Ion Ratio	Lower	Upper	
75	100		
53	0.0	64.2	96.2#
89	0.0	38.6	58.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.575 ug/l

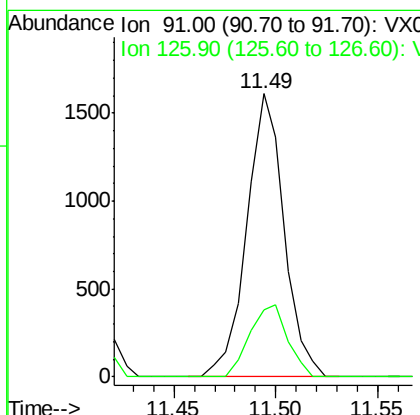
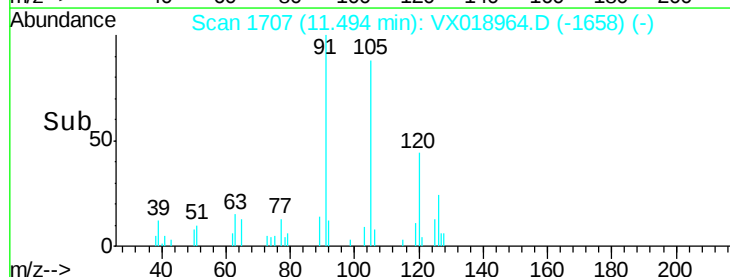
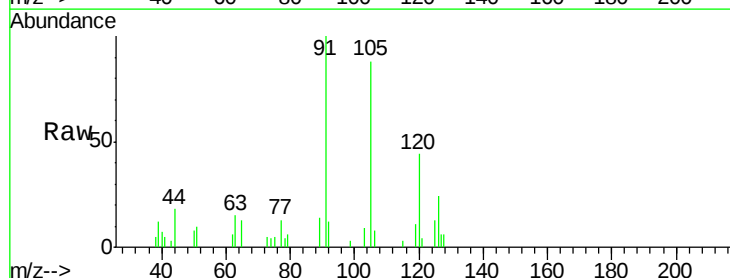
RT: 11.49 min Scan# 1707

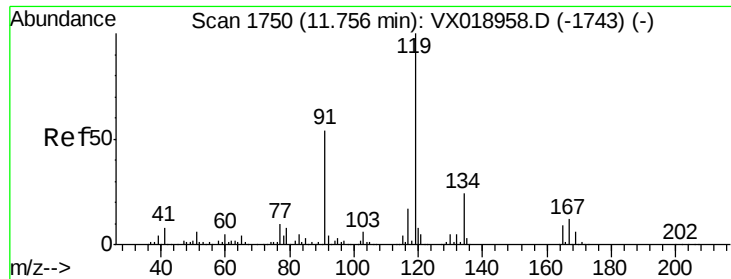
Delta R.T. 0.00 min

Lab File: VX018964.D

Acq: 19 Oct 2020 20:38

Tgt Ion:	91	Resp:	2051
Ion Ratio	Lower	Upper	
91	100		
126	25.6	15.8	47.4





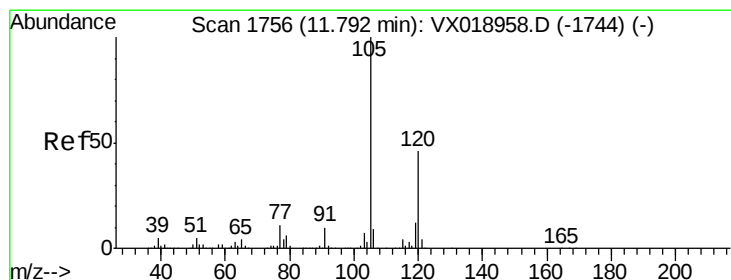
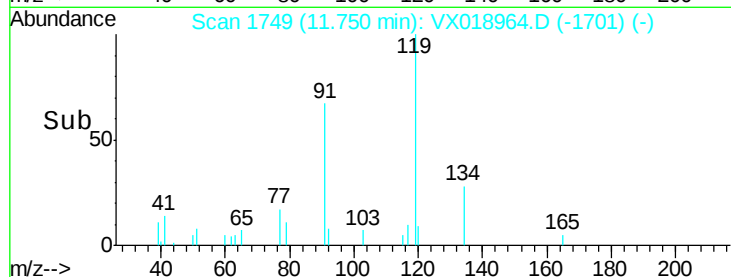
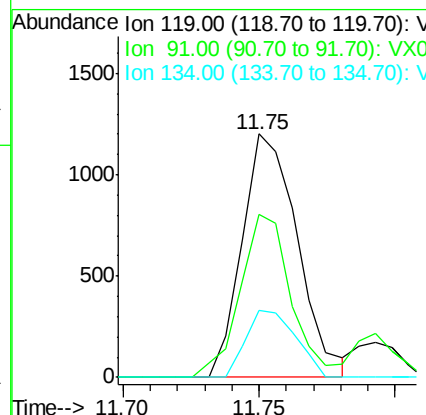
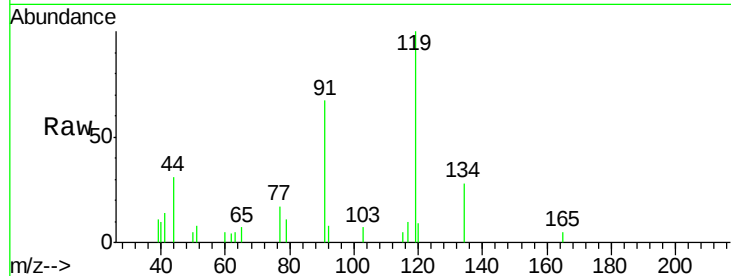
#83
tert-Butylbenzene
Concen: 0.457 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	1695		
91	60.5	27.2	81.6	
134	24.5	11.8	35.4	

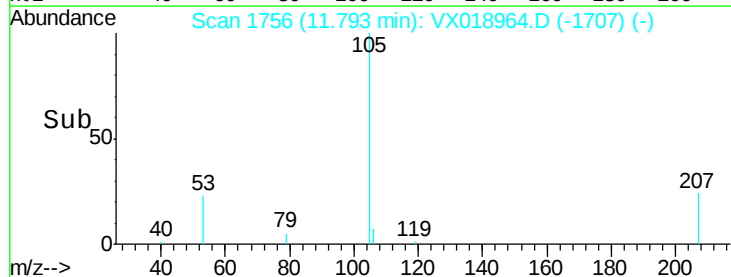
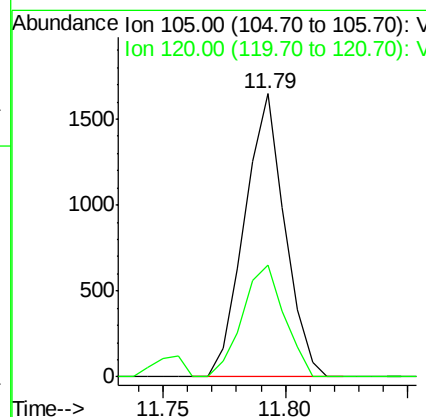
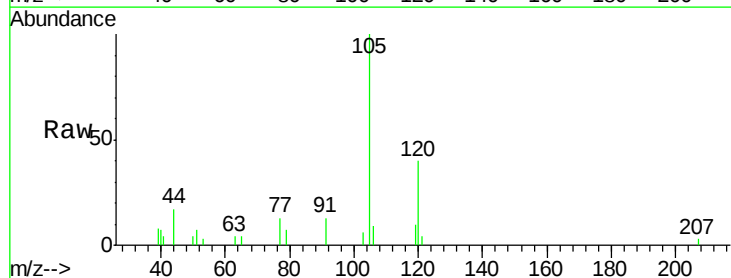
Manual Integrations
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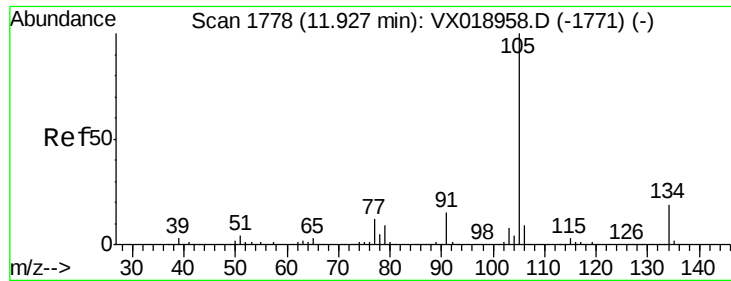
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 0.508 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1887		
120	41.2	22.9	68.5	





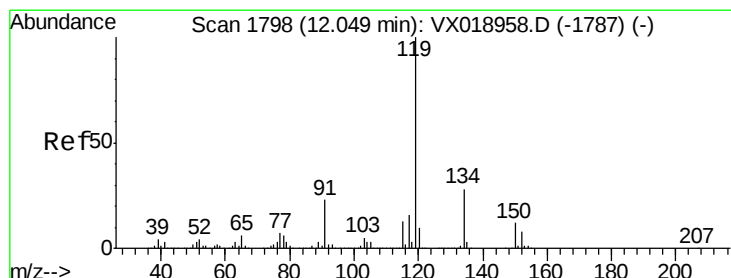
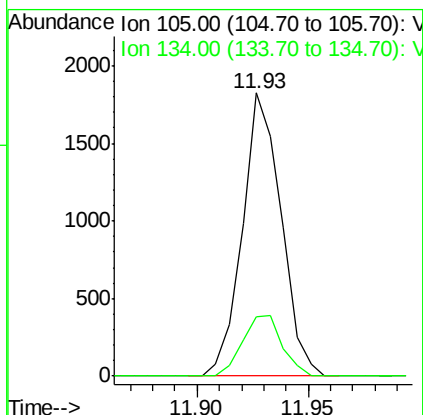
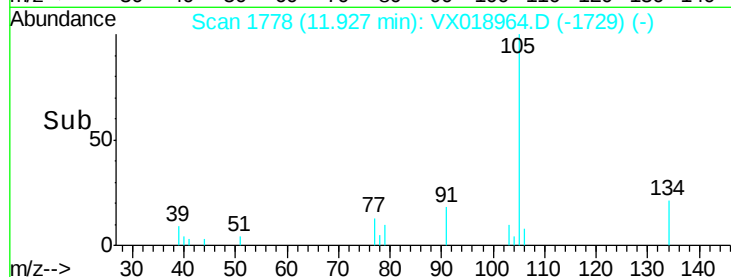
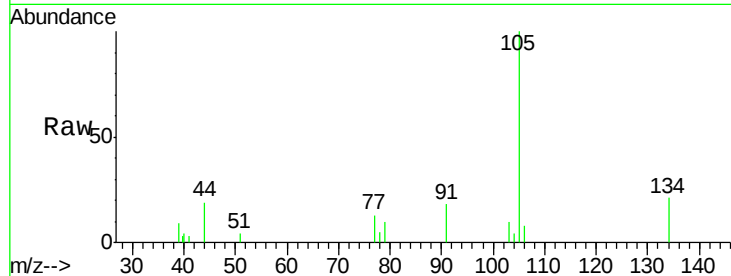
#85
 sec-Butylbenzene
 Concen: 0.507 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.3	30.8

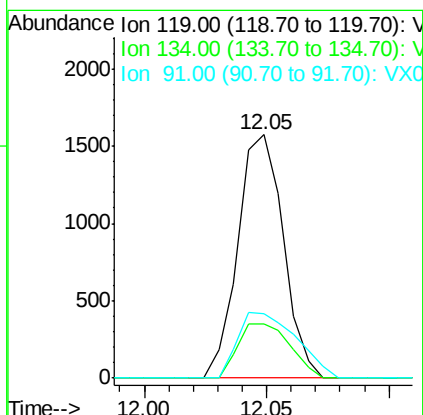
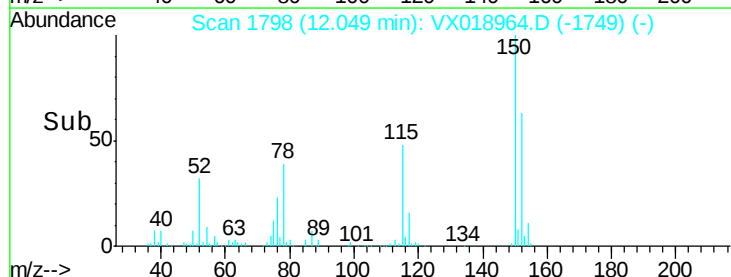
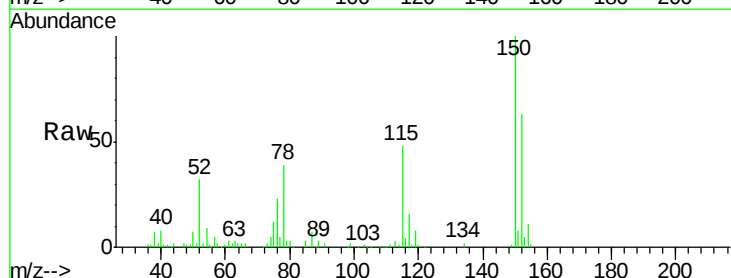
Manual Integrations
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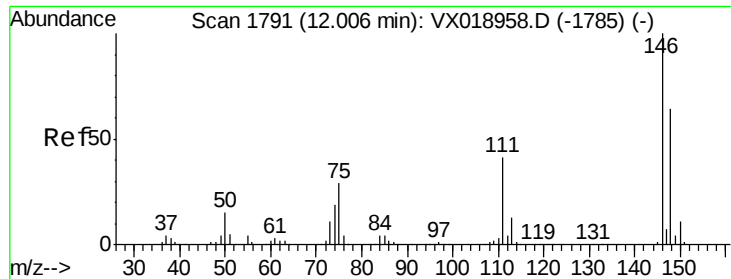
MMDadoda
 10/20/2020 4:52:34 PM



#86
 p-Isopropyltoluene
 Concen: 0.508 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.8	41.4
91	34.7	11.5	34.5#





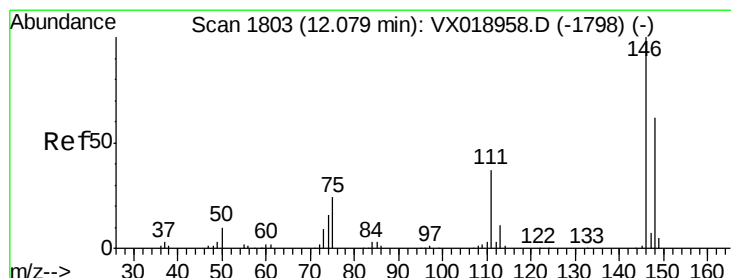
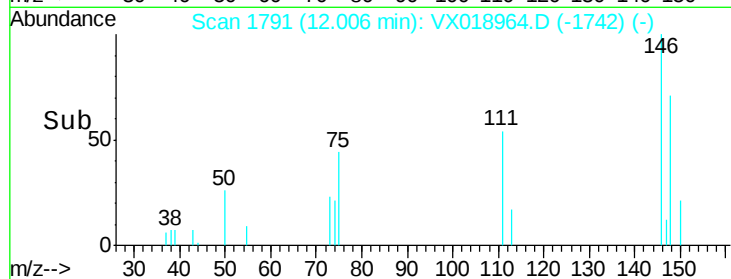
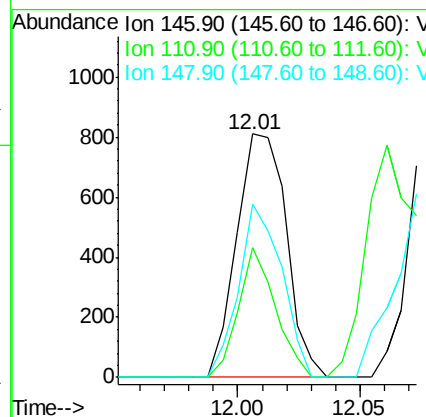
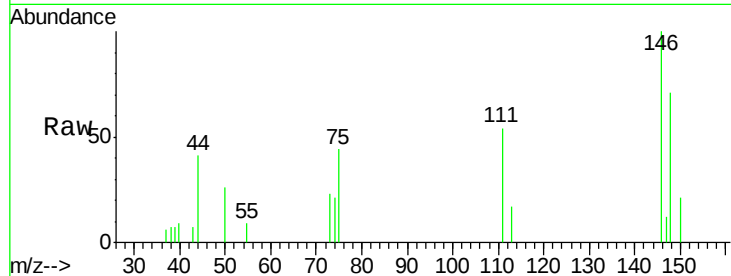
#87
 1,3-Dichlorobenzene
 Concen: 0.566 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	61.8	32.4	97.2

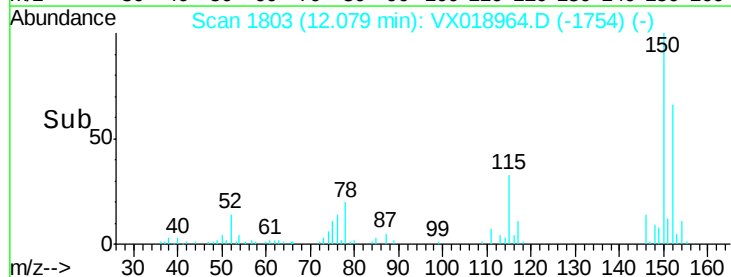
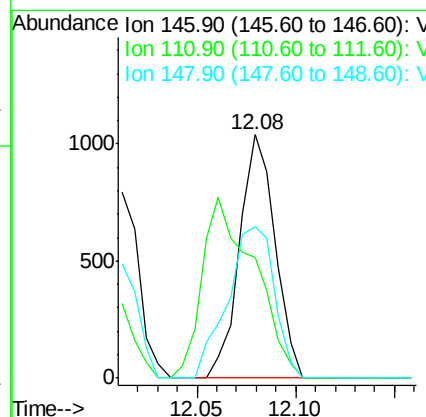
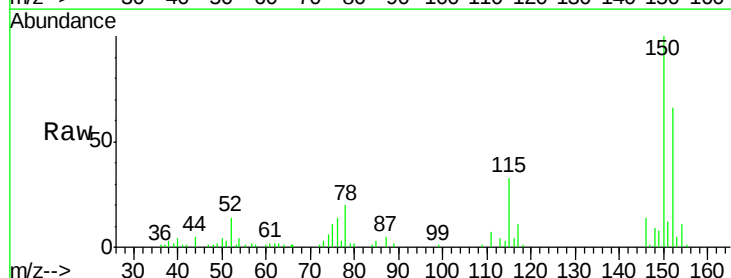
Manual Integrations
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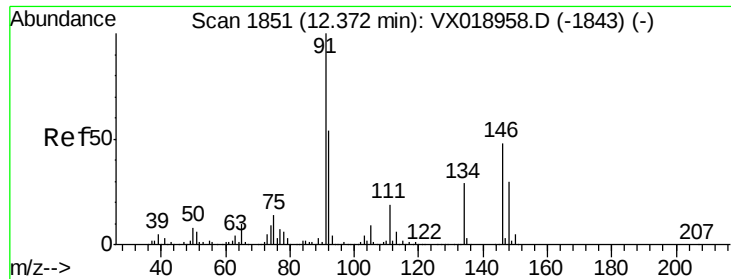
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#88
 1,4-Dichlorobenzene
 Concen: 0.619 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.8	56.3
148	54.3	31.7	95.1





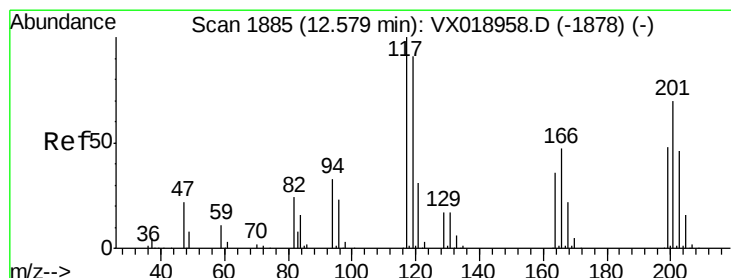
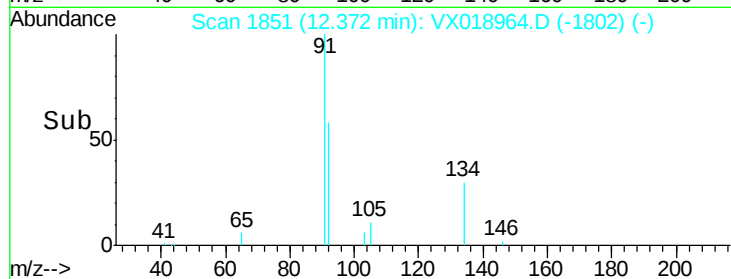
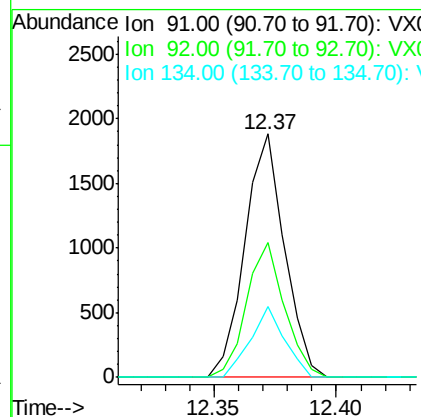
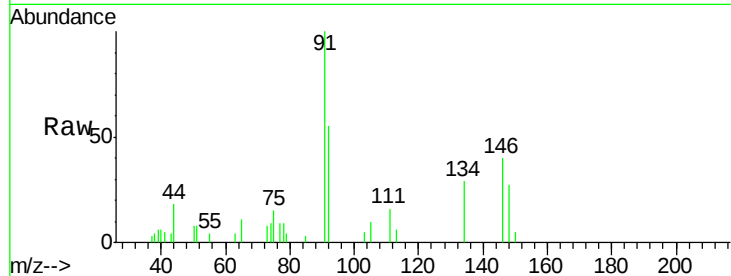
#89
n-Butylbenzene
Concen: 0.583 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.2	81.5
134	25.3	14.2	42.6

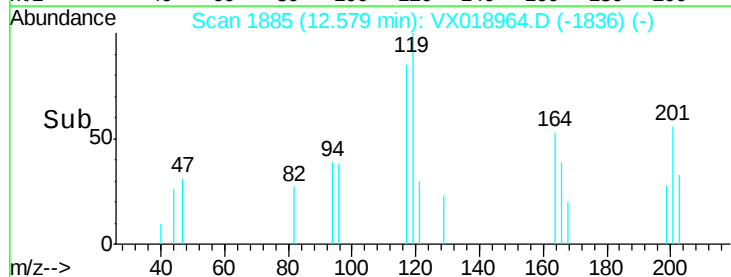
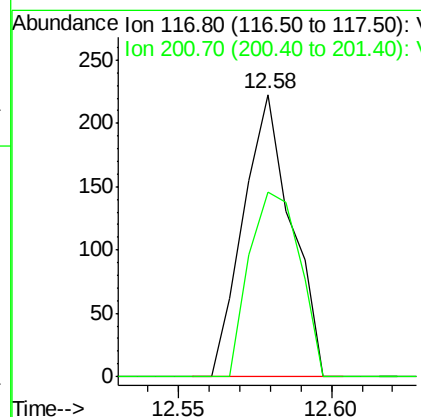
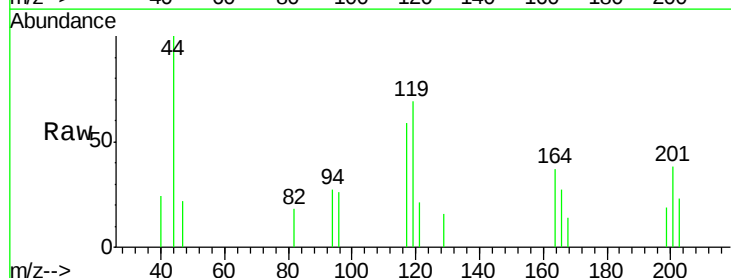
Manual Integrations
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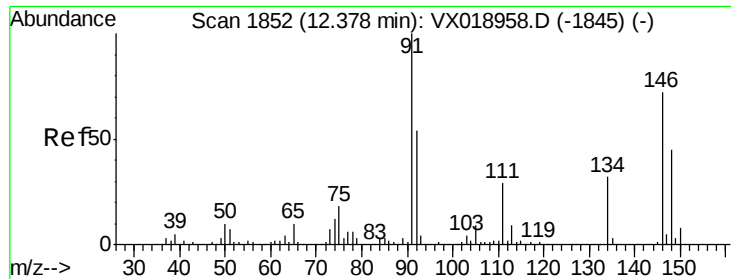
MMDadoda
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#90
Hexachloroethane
Concen: 0.372 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.0	36.9	110.7





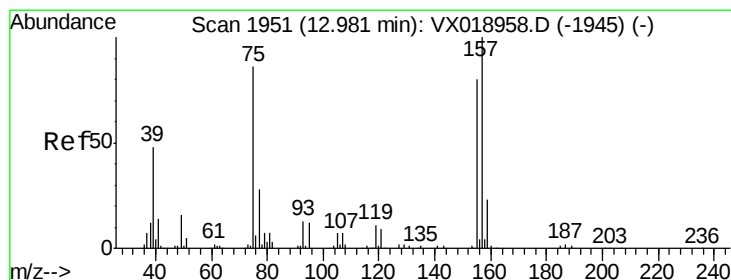
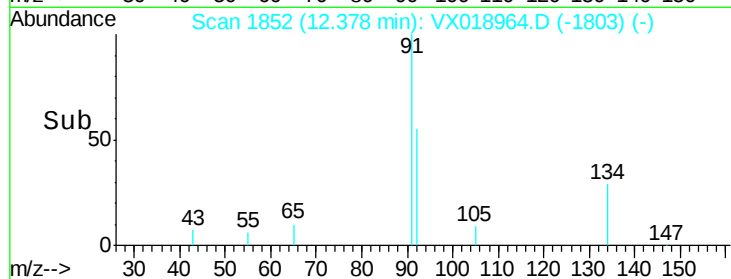
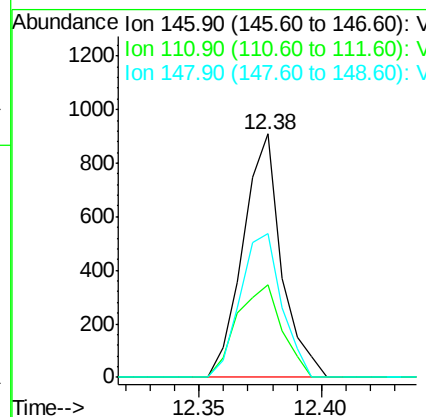
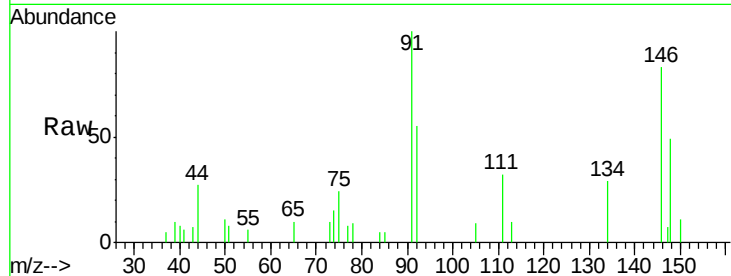
#91
 1,2-Dichlorobenzene
 Concen: 0.511 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.2	60.6
148	63.8	31.4	94.0

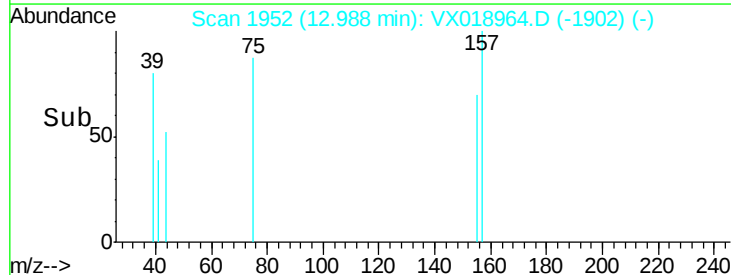
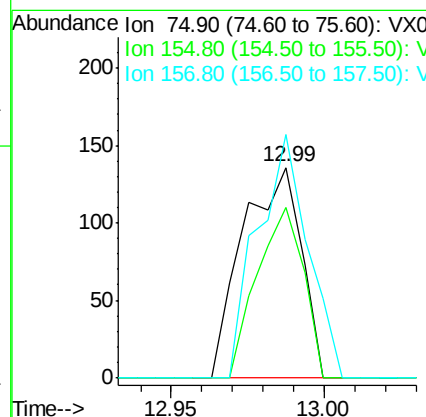
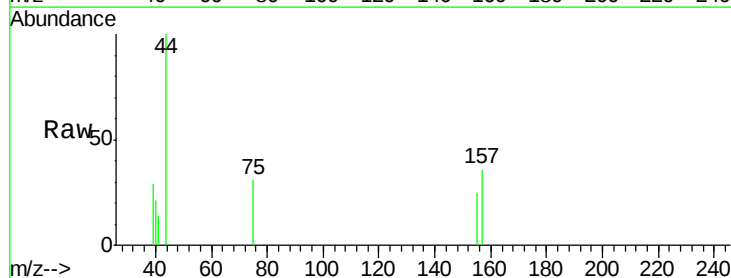
Manual Integrations
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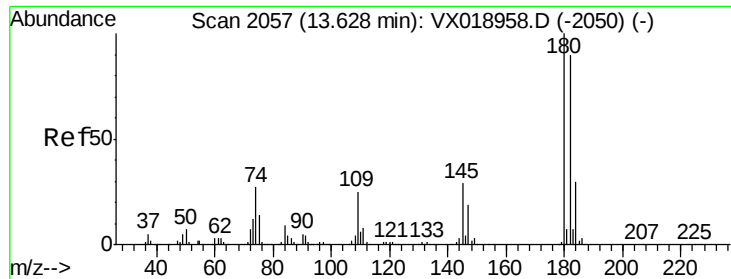
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.546 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.4	48.2	144.6
157	100.0	62.2	186.6





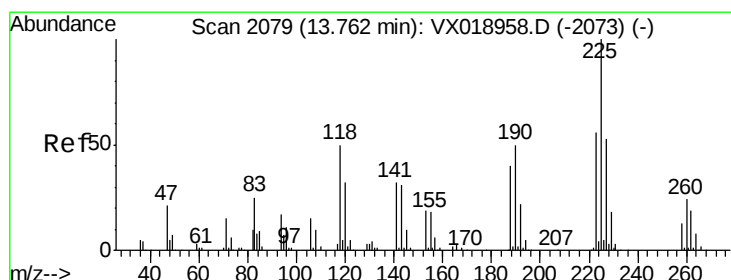
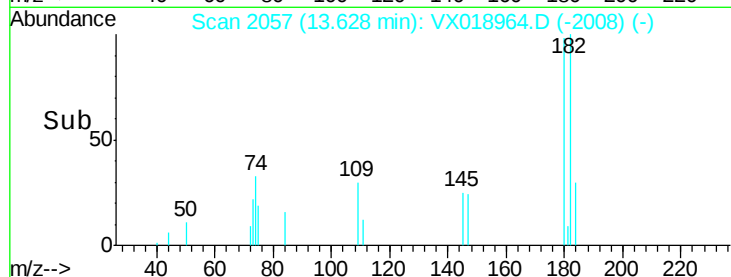
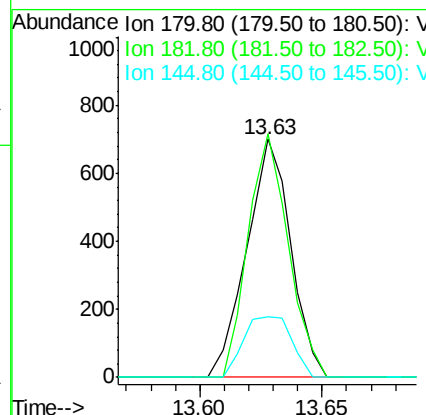
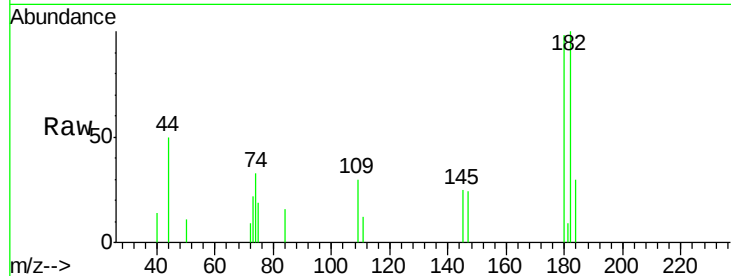
#93
 1,2,4-Trichlorobenzene
 Concen: 0.647 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.3	138.9
145	28.1	15.5	46.5

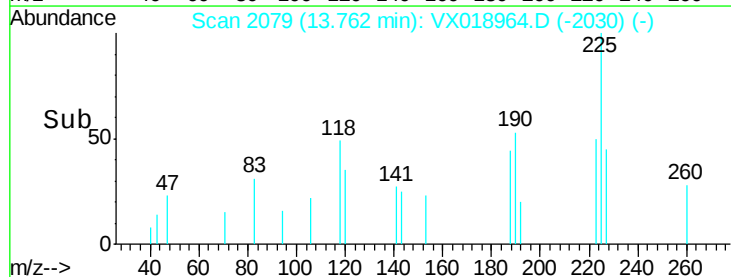
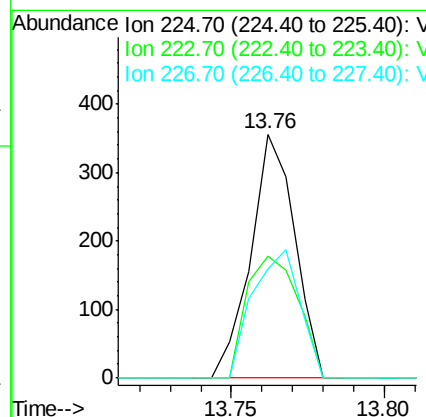
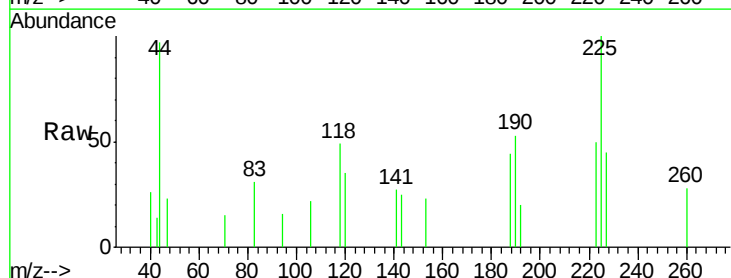
Manual Integrations
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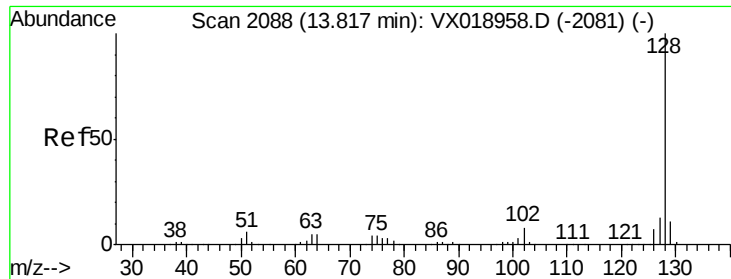
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#94
 Hexachlorobutadiene
 Concen: 0.635 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX018964.D
 Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.1	31.4	94.0
227	56.2	30.9	92.8





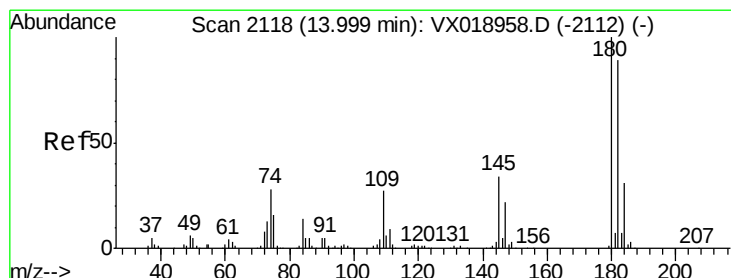
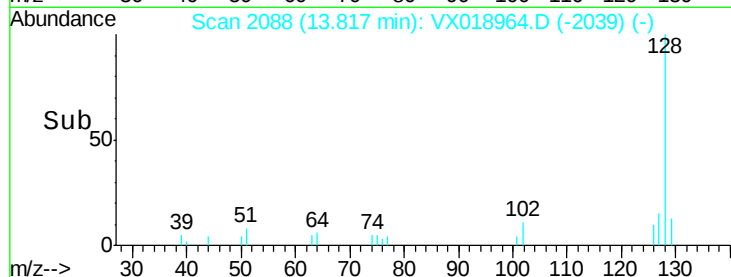
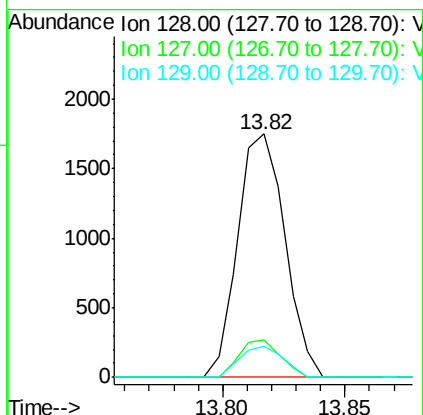
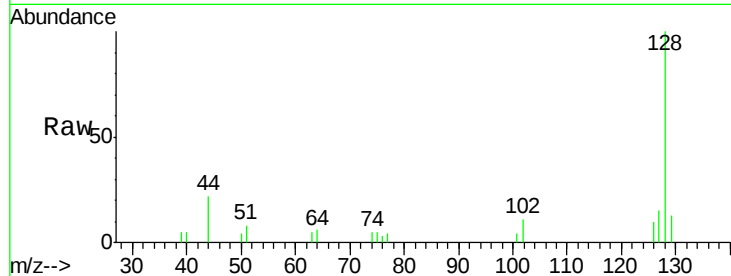
#95
Naphthalene
Concen: 0.513 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.8	8.6	12.8

Manual Integrations
APPROVED

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10/20/2020 4:52:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.567 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX018964.D
Acq: 19 Oct 2020 20:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.6	139.7
145	29.7	17.0	51.0

