

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101920\
 Data File : VX018966.D
 Acq On : 19 Oct 2020 21:23
 Operator : JC/SP
 Sample : L4214-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 10/20/2020 4:52:39 PM

Quant Time: Oct 20 10:16:08 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	86931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	161025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	139066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	62744	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	59454	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	5.46	113	46996	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	8.70	98	183800	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.12	95	60591	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1718	2.199	ug/l	99
3) Chloromethane	1.31	50	2241	2.632	ug/l	93
4) Vinyl Chloride	1.39	62	2797	2.450	ug/l	92
5) Bromomethane	1.63	94	3713	3.903	ug/l	93
6) Chloroethane	1.72	64	2263	2.747	ug/l	98
7) Trichlorofluoromethane	1.92	101	5123	2.660	ug/l	100
8) Diethyl Ether	2.17	74	2098	2.748	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2563	2.417	ug/l	98
10) Methyl Iodide	2.49	142	1641	1.644	ug/l	96
11) Tert butyl alcohol	3.01	59	3958	15.306	ug/l	99
12) 1,1-Dichloroethene	2.36	96	2937	2.594	ug/l	97
13) Acrolein	2.27	56	2325	13.658	ug/l	99
14) Allyl chloride	2.70	41	3625	2.653	ug/l	95
15) Acrylonitrile	3.12	53	6307	13.241	ug/l	97
16) Acetone	2.42	43	5802	11.893	ug/l	96
17) Carbon Disulfide	2.55	76	6589	2.562	ug/l	99
18) Methyl Acetate	2.75	43	2985	2.763	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	7233	2.481	ug/l	98
20) Methylene Chloride	2.84	84	2724	2.642	ug/l	90
21) trans-1,2-Dichloroethene	3.15	96	2554	2.462	ug/l	94
22) Diisopropyl ether	3.83	45	6434	2.546	ug/l	94
23) Vinyl Acetate	3.79	43	30759	12.608	ug/l	100
24) 1,1-Dichloroethane	3.67	63	4356	2.515	ug/l	99
25) 2-Butanone	4.64	43	9679	13.792	ug/l	100
26) 2,2-Dichloropropane	4.54	77	3819	2.354	ug/l	97
27) cis-1,2-Dichloroethene	4.56	96	3071	2.552	ug/l	98
28) Bromochloromethane	4.99	49	1860	2.551	ug/l #	99
29) Tetrahydrofuran	5.10	42	5482	13.294	ug/l	95
30) Chloroform	5.18	83	4758	2.540	ug/l	98
31) Cyclohexane	5.55	56	3642	2.660	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	4270	2.524	ug/l	97
36) 1,1-Dichloropropene	5.77	75	3658	2.389	ug/l	98
37) Ethyl Acetate	4.80	43	3428	2.266	ug/l	97
38) Carbon Tetrachloride	5.75	117	3691	2.338	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3837	2.332	ug/l	97
40) Benzene	6.11	78	10600	2.406	ug/l	99
41) Methacrylonitrile	5.01	41	1989	2.542	ug/l	93
42) 1,2-Dichloroethane	6.17	62	3808	2.520	ug/l	99
43) Isopropyl Acetate	6.41	43	6135	2.517	ug/l	98
44) Trichloroethene	7.19	130	2805	2.305	ug/l	96
45) 1,2-Dichloropropane	7.49	63	2363	2.168	ug/l #	83
46) Dibromomethane	7.64	93	1797	2.306	ug/l	96
47) Bromodichloromethane	7.88	83	3792	2.408	ug/l #	97
48) Methyl methacrylate	7.75	41	2852	2.524	ug/l	91
49) 1,4-Dioxane	7.72	88	1145	44.217	ug/l #	79
51) 4-Methyl-2-Pentanone	8.62	43	17499	12.356	ug/l	95
52) Toluene	8.76	92	6618	2.323	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	3811	2.130	ug/l	95
54) cis-1,3-Dichloropropene	8.42	75	4202	2.225	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	2745	2.456	ug/l	95
56) Ethyl methacrylate	9.16	69	3905	2.276	ug/l	94
57) 1,3-Dichloropropane	9.35	76	4420	2.353	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	10244	10.816	ug/l	99
59) 2-Hexanone	9.48	43	12975	12.052	ug/l	94
60) Dibromochloromethane	9.57	129	2543	2.056	ug/l	94
61) 1,2-Dibromoethane	9.65	107	2728	2.253	ug/l	98
64) Tetrachloroethene	9.32	164	2409	2.452	ug/l	94
65) Chlorobenzene	10.12	112	7039	2.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	2365	2.215	ug/l	99
67) Ethyl Benzene	10.24	91	12289	2.432	ug/l	98
68) m/p-Xylenes	10.34	106	8830	4.510	ug/l	95
69) o-Xylene	10.68	106	4194	2.220	ug/l	92
70) Styrene	10.70	104	6968	2.193	ug/l	96
71) Bromoform	10.84	173	1743	2.038	ug/l #	100
73) Isopropylbenzene	11.00	105	11132	2.449	ug/l	99
74) N-amyl acetate	10.88	43	4318	2.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	3754	2.534	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	3492m	2.561	ug/l	
77) Bromobenzene	11.24	156	2673	2.426	ug/l	90
78) n-propylbenzene	11.34	91	12842	2.471	ug/l	97
79) 2-Chlorotoluene	11.40	91	8031	2.647	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	9027	2.379	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	1210	2.235	ug/l	92
82) 4-Chlorotoluene	11.49	91	8990	2.466	ug/l	98
83) tert-Butylbenzene	11.76	119	9040	2.387	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	9234	2.436	ug/l	98
85) sec-Butylbenzene	11.93	105	10655	2.392	ug/l	97
86) p-Isopropyltoluene	12.05	119	9508	2.334	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	4824	2.333	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	5026m	2.338	ug/l	
89) n-Butylbenzene	12.37	91	8698	2.343	ug/l	98
90) Hexachloroethane	12.58	117	1520	2.287	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	4643	2.336	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	847	2.515	ug/l	82

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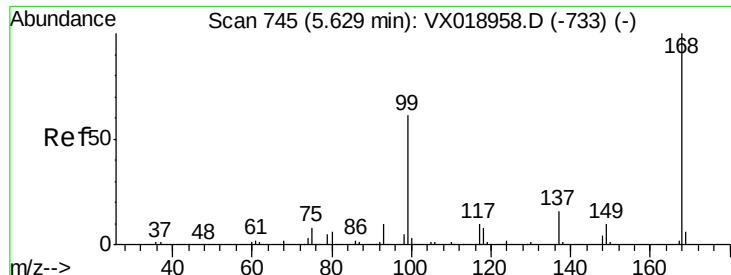
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3084	2.240	ug/l	98
94) Hexachlorobutadiene	13.76	225	1247	2.178	ug/l	97
95) Naphthalene	13.82	128	10528	2.245	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	2924	2.194	ug/l	96

(#) = 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: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:168 Resp: 86931

Ion Ratio Lower Upper

168 100

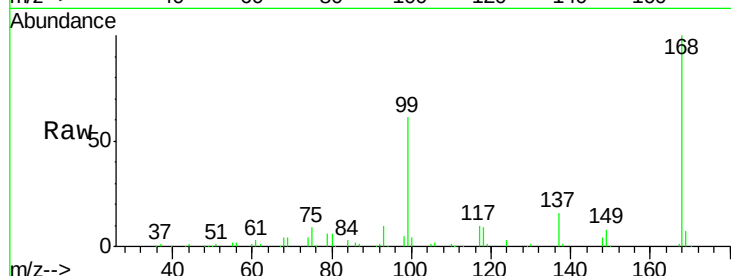
99 60.6 48.5 72.7

Manual Integrations

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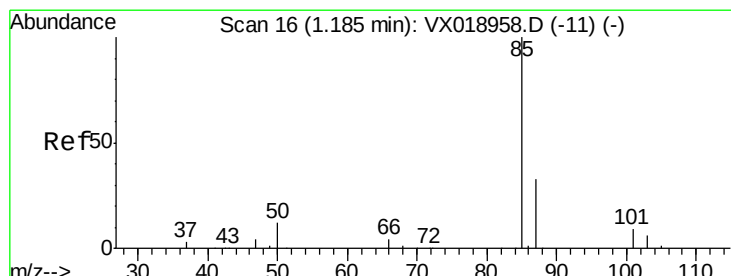
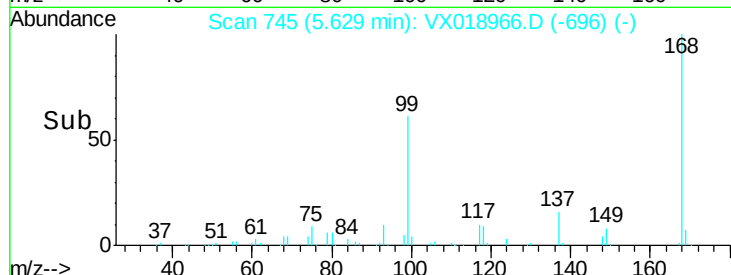
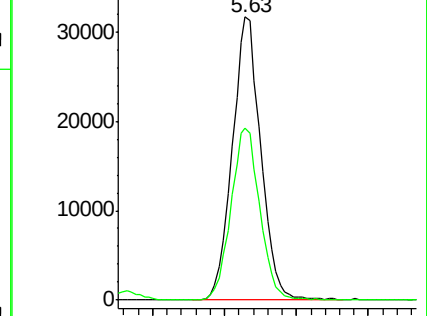
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 2.199 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018966.D

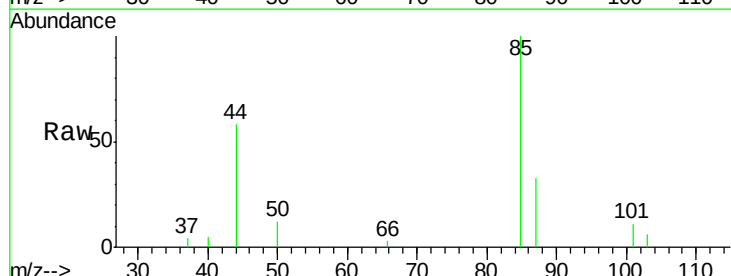
Acq: 19 Oct 2020 21:23

Tgt Ion: 85 Resp: 1718

Ion Ratio Lower Upper

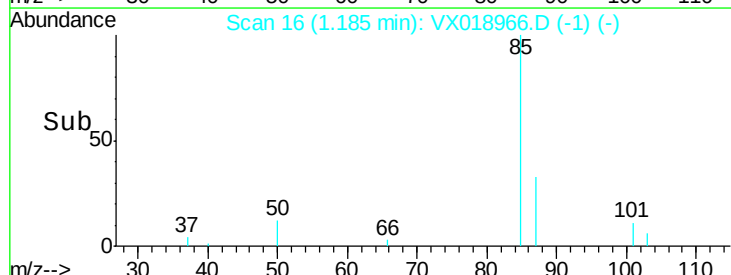
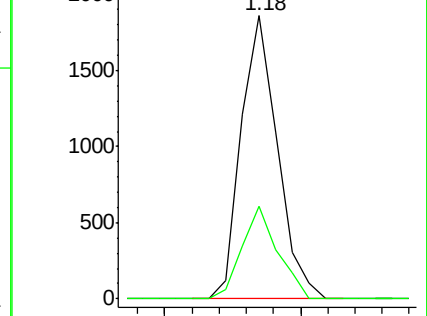
85 100

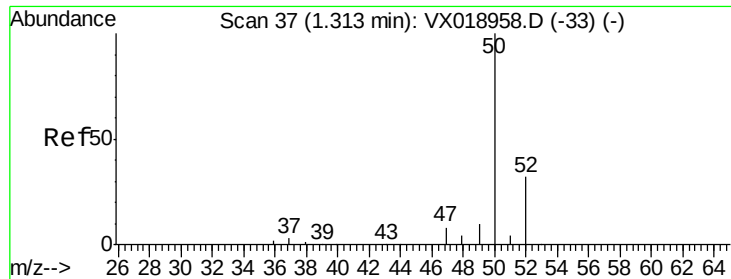
87 32.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.632 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 50 Resp: 2241

Ion Ratio Lower Upper

50 100

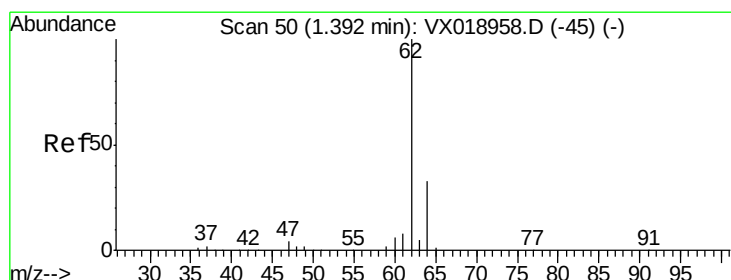
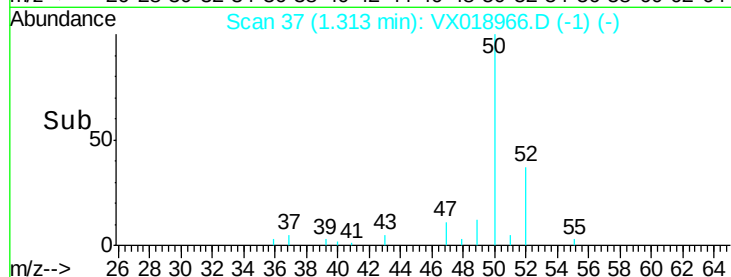
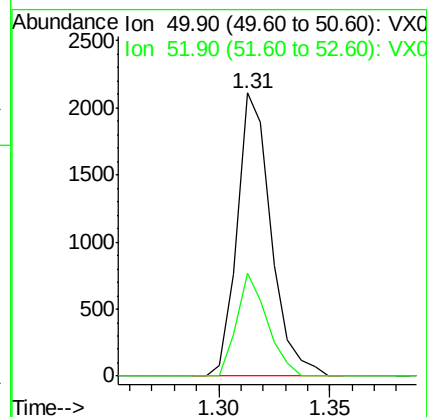
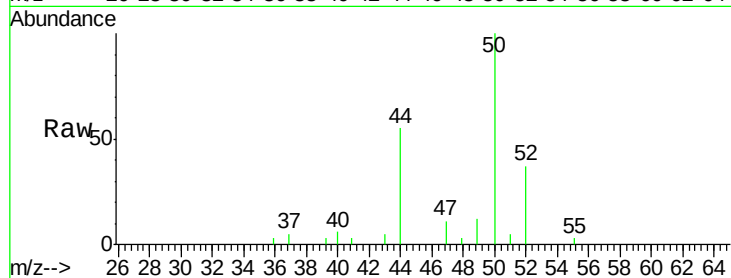
52 36.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.450 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018966.D

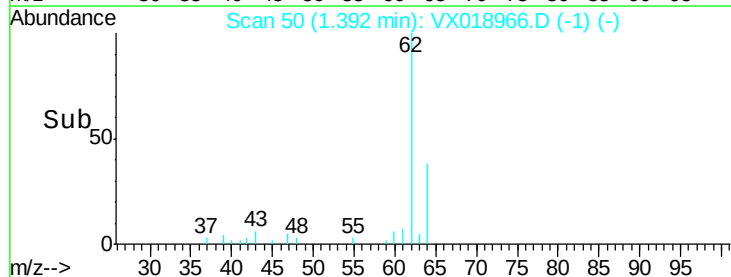
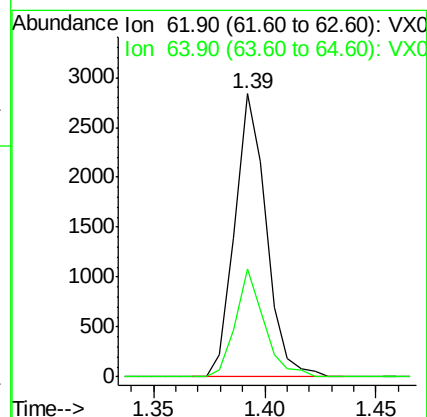
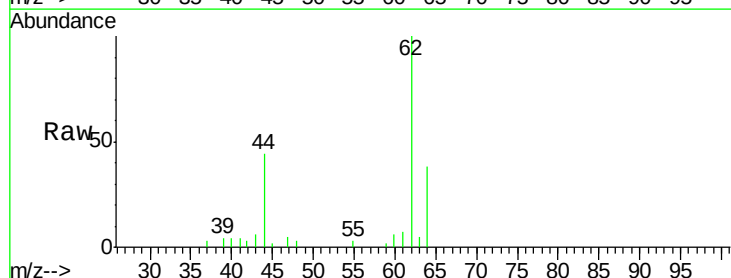
Acq: 19 Oct 2020 21:23

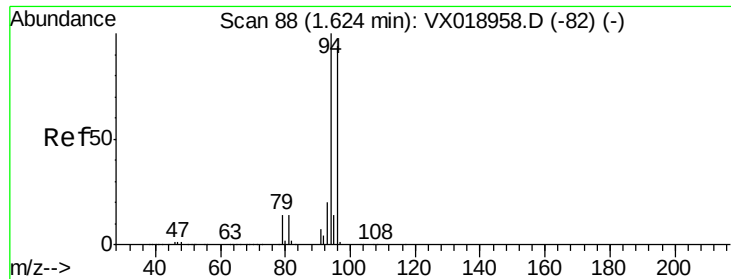
Tgt Ion: 62 Resp: 2797

Ion Ratio Lower Upper

62 100

64 38.2 26.7 40.1





#5

Bromomethane

Concen: 3.903 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 94 Resp: 3713

Ion Ratio Lower Upper

94 100

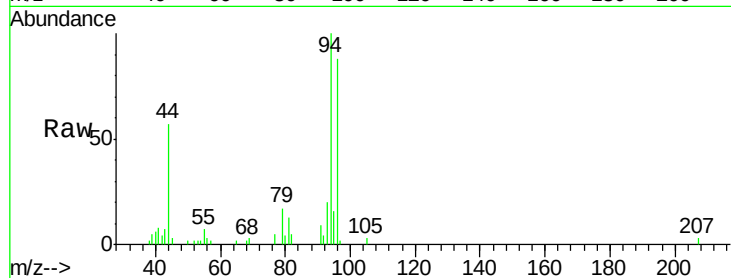
96 87.6 75.2 112.8

Manual Integrations

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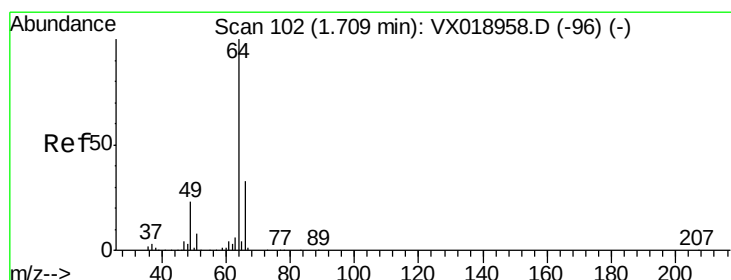
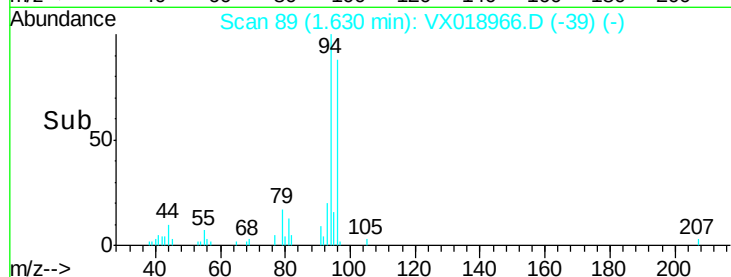
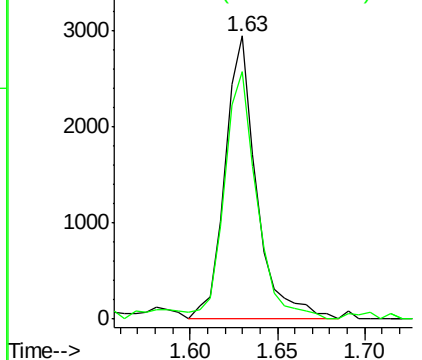
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.747 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018966.D

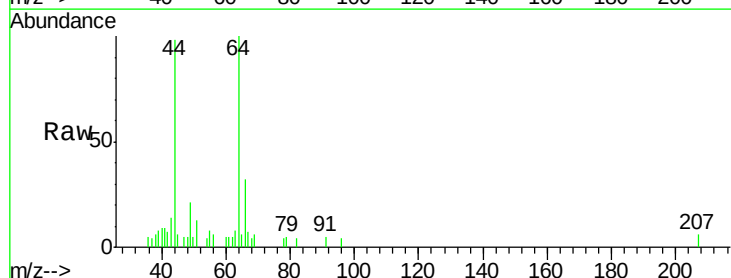
Acq: 19 Oct 2020 21:23

Tgt Ion: 64 Resp: 2263

Ion Ratio Lower Upper

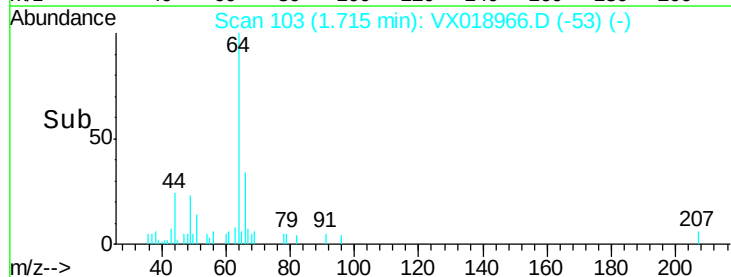
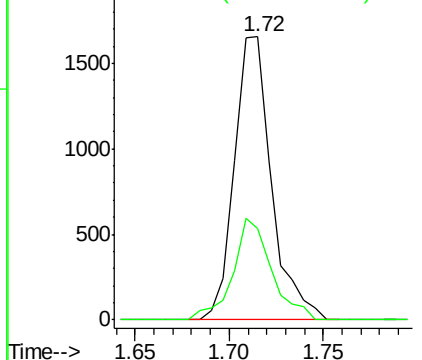
64 100

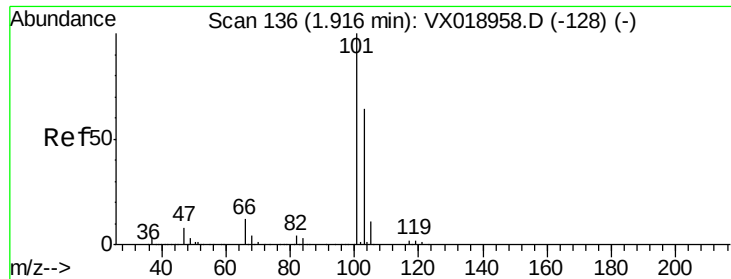
66 32.1 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

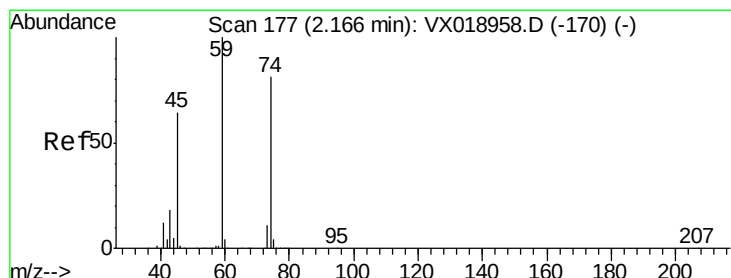
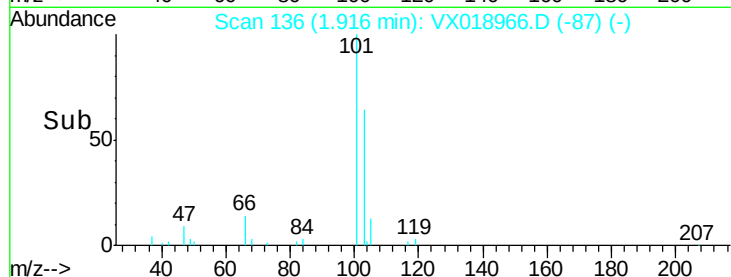
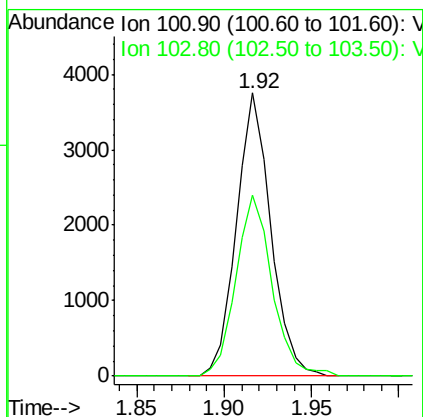
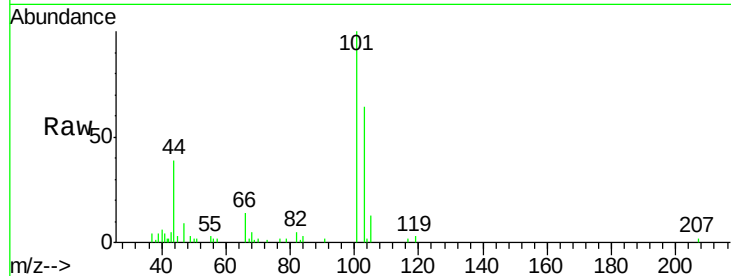
Trichlorofluoromethane
Concen: 2.660 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

Manual Integrations
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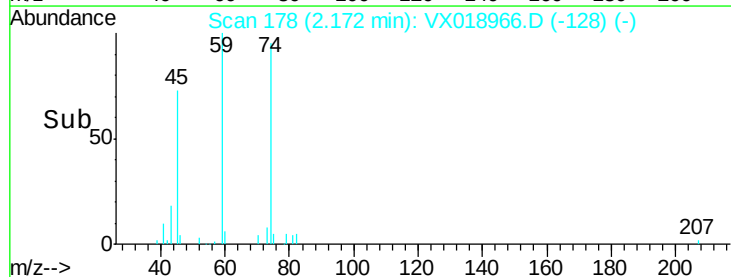
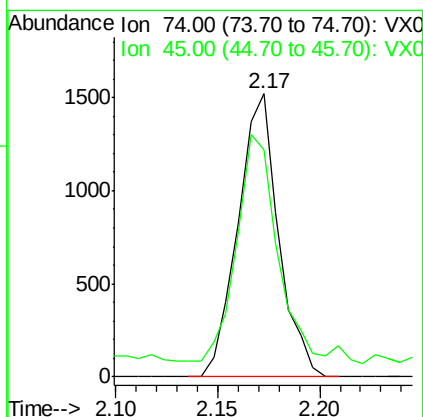
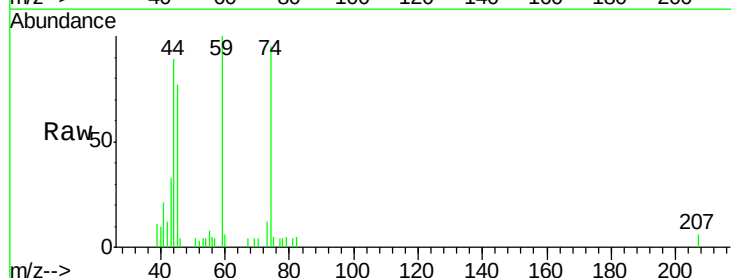
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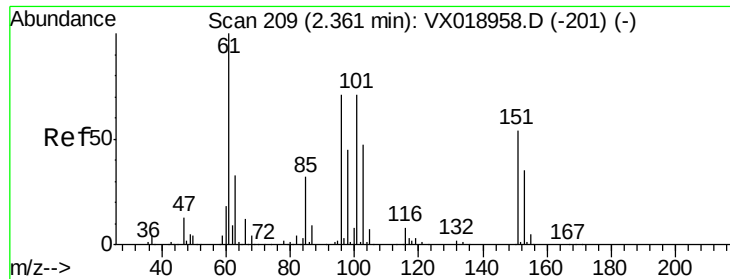


#8

Diethyl Ether
Concen: 2.748 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.7	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.417 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

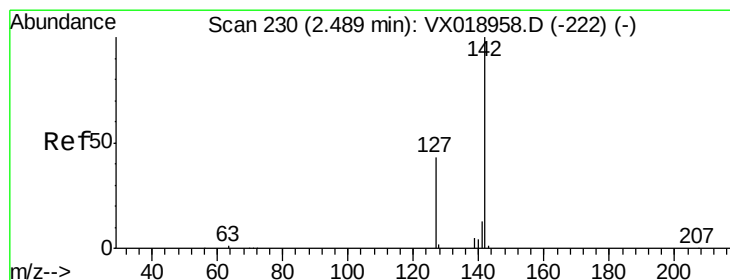
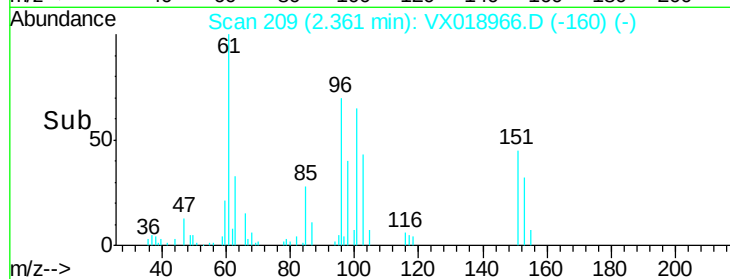
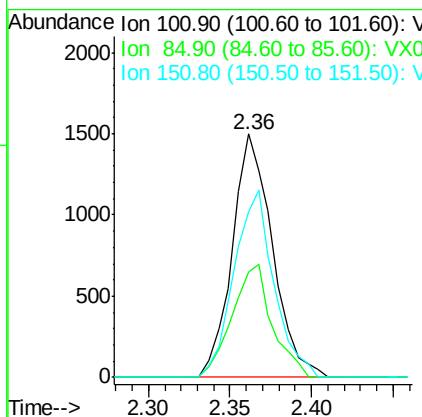
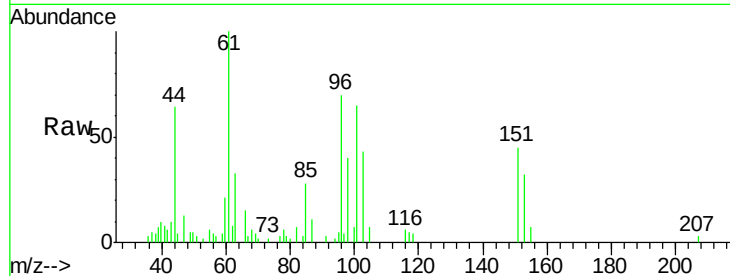
Instrument :
MSVOA_X

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

Tot Ion	Ratio	Resp	Lower	Upper
101	100	2563		
85	46.2		35.1	52.7
151	76.6		62.1	93.1

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#10

Methyl Iodide

Concen: 1.644 ug/l

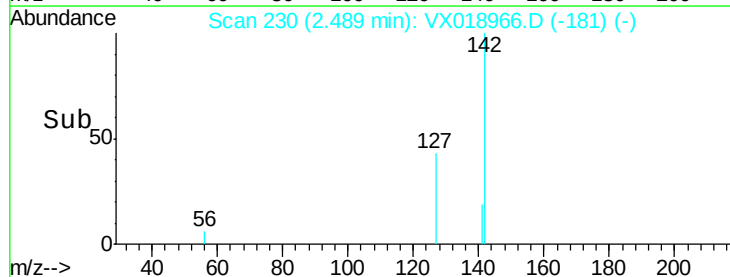
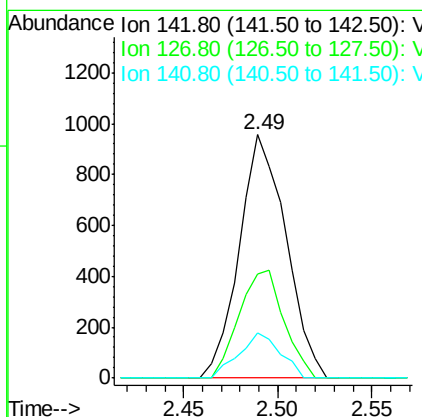
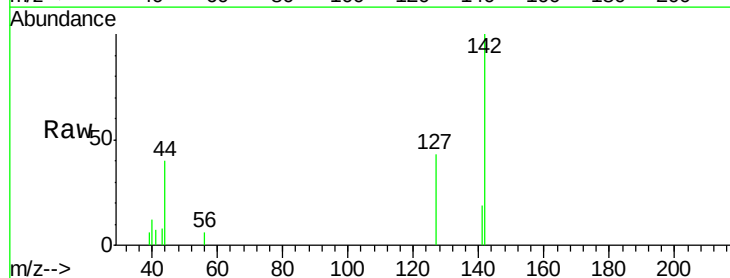
RT: 2.49 min Scan# 230

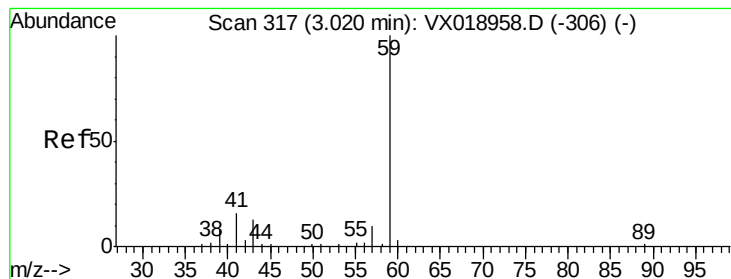
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1641		
127	42.4		35.9	53.9
141	16.4		11.6	17.4





#11

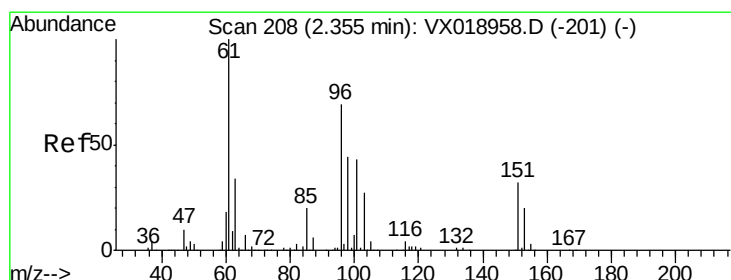
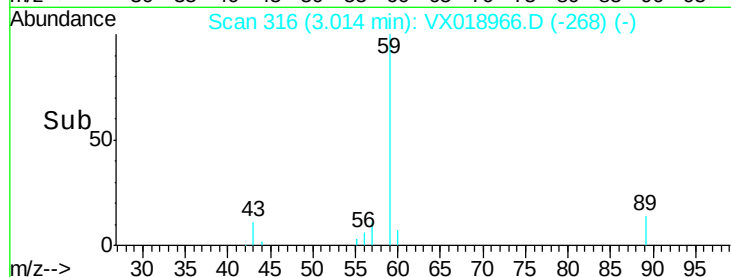
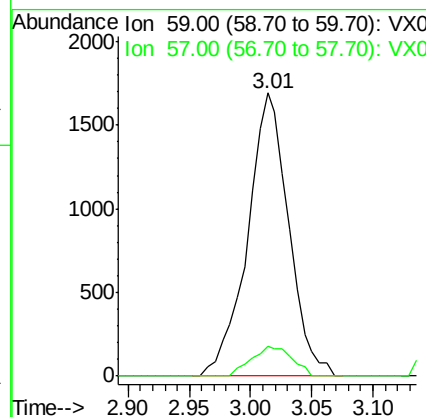
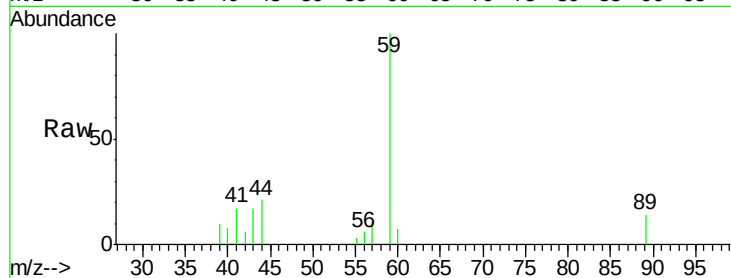
Tert butyl alcohol
 Concen: 15.306 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

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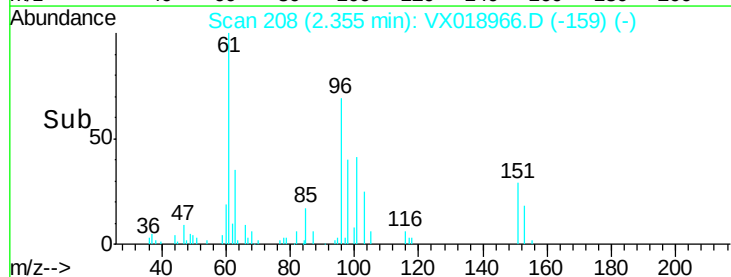
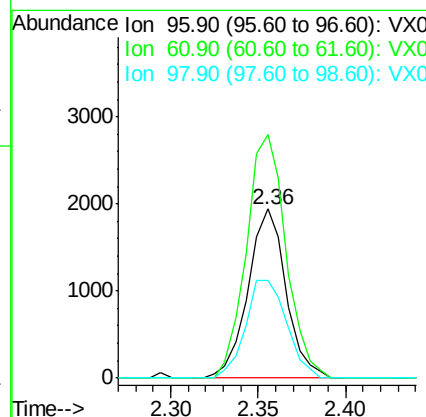
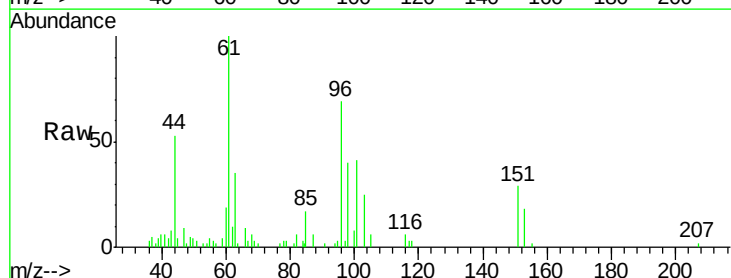
MMDadoda
 10/20/2020 4:52:39 PM

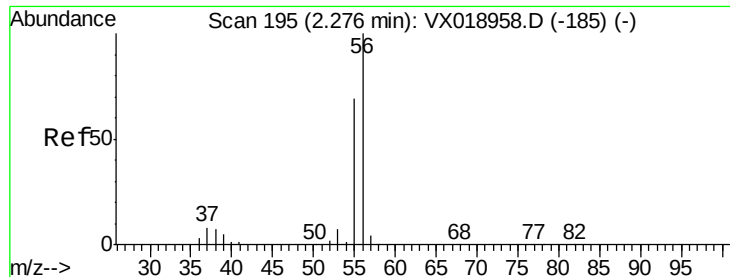


#12

1,1-Dichloroethene
 Concen: 2.594 ug/l
 RT: 2.36 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	57.6	50.9	76.3





#13

Acrolein

Concen: 13.658 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 56 Resp: 2325

Ion Ratio Lower Upper

56 100

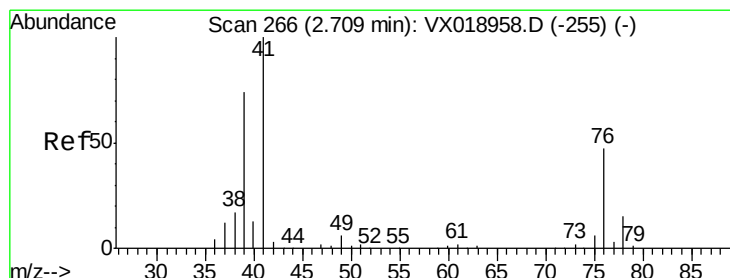
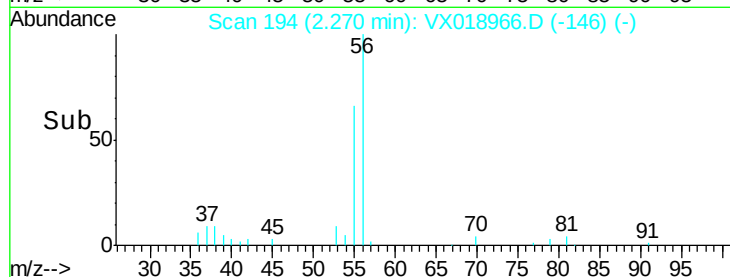
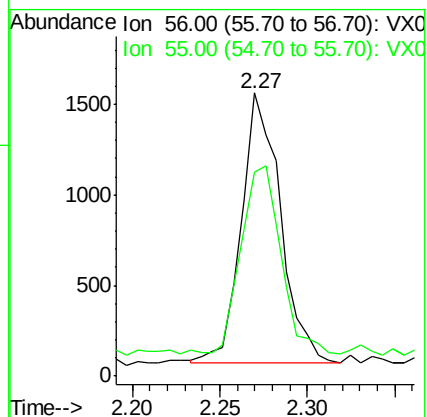
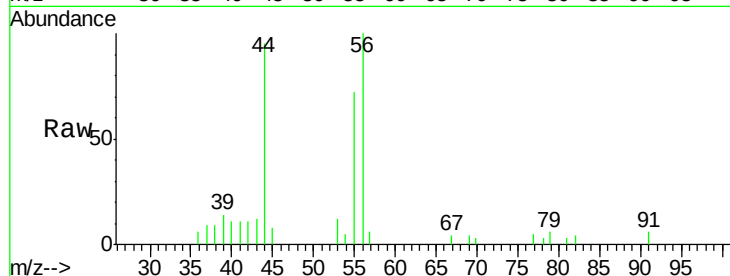
55 70.8 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 2.653 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

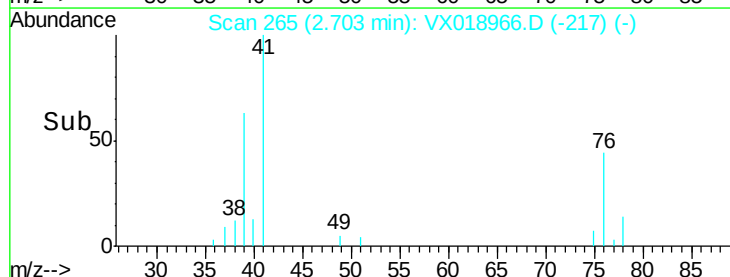
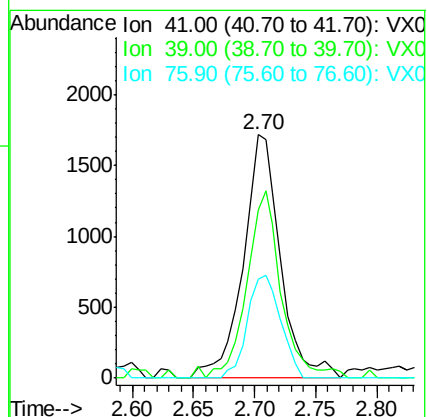
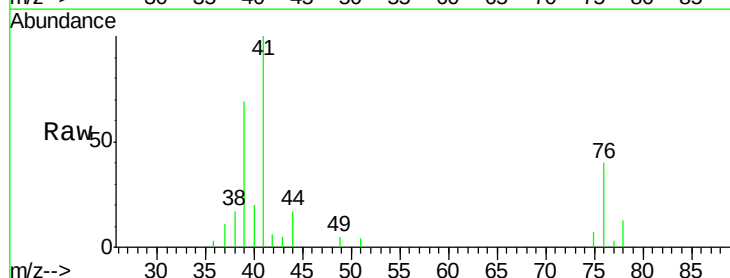
Tgt Ion: 41 Resp: 3625

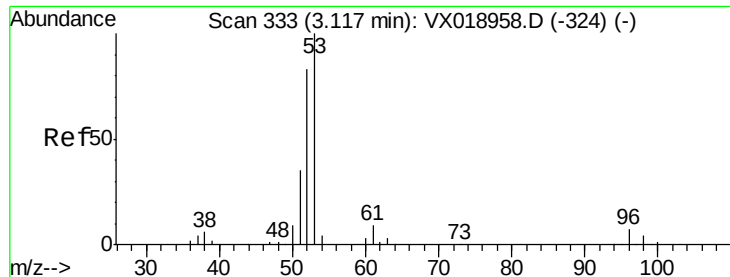
Ion Ratio Lower Upper

41 100

39 71.1 55.4 83.2

76 37.4 34.1 51.1





#15

Acrylonitrile

Concen: 13.241 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

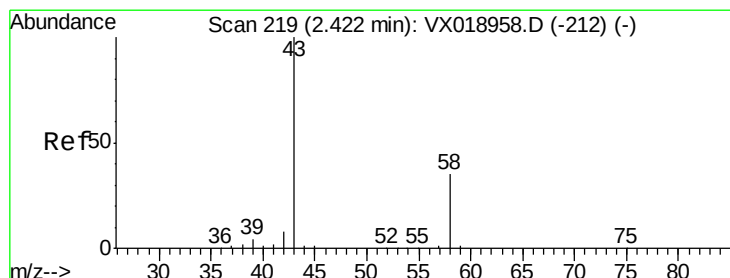
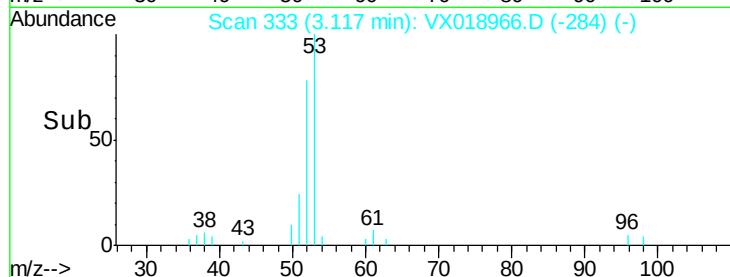
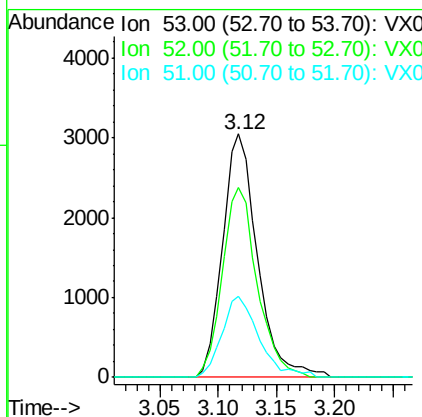
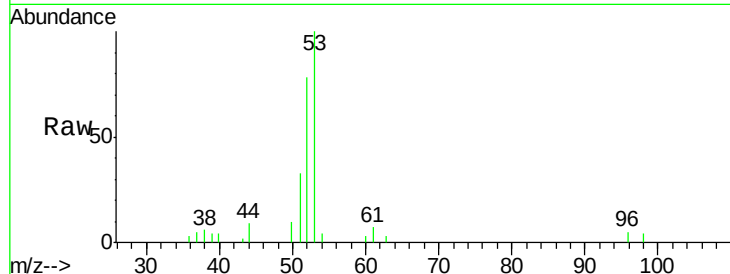
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	53	Resp:	6307
Ion	Ratio	Lower	Upper
53	100		
52	78.1	65.3	97.9
51	35.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 11.893 ug/l

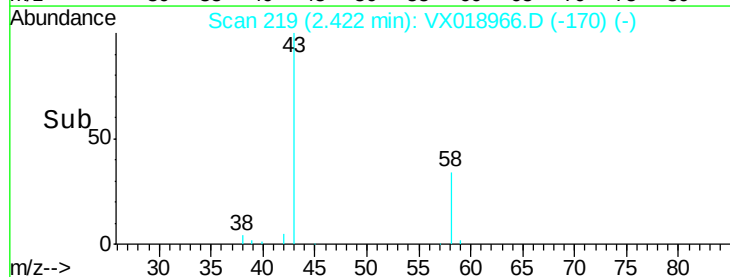
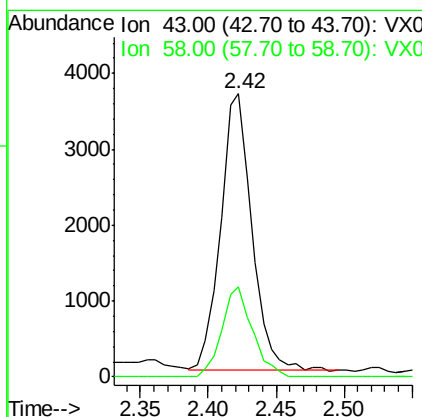
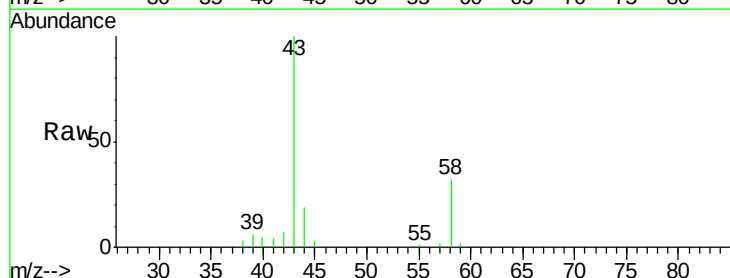
RT: 2.42 min Scan# 219

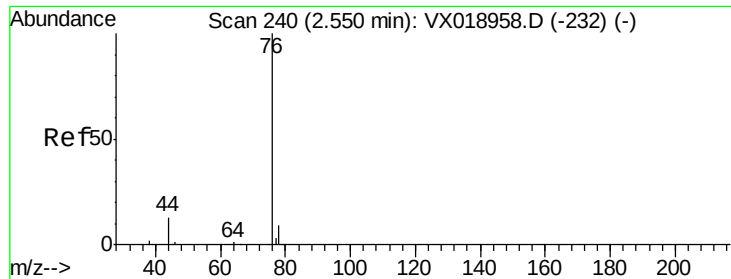
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	43	Resp:	5802
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.8	41.8





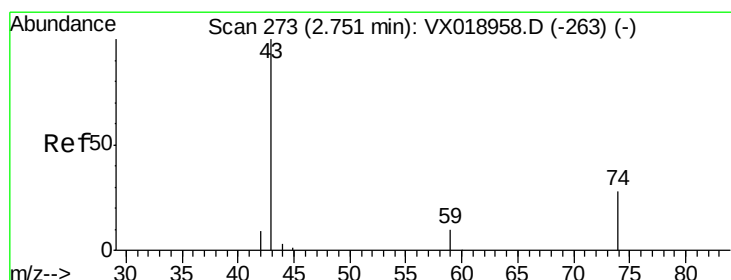
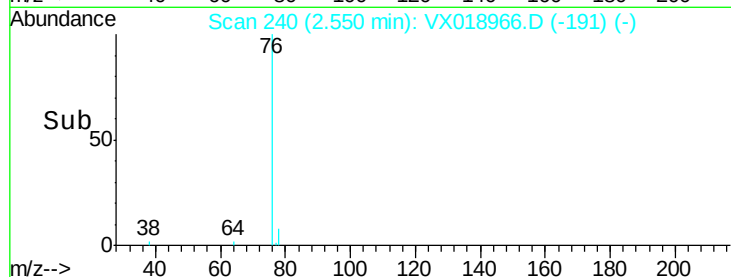
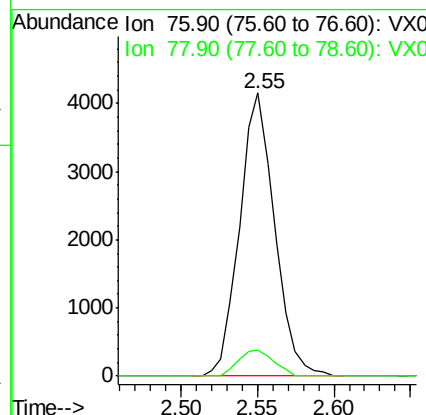
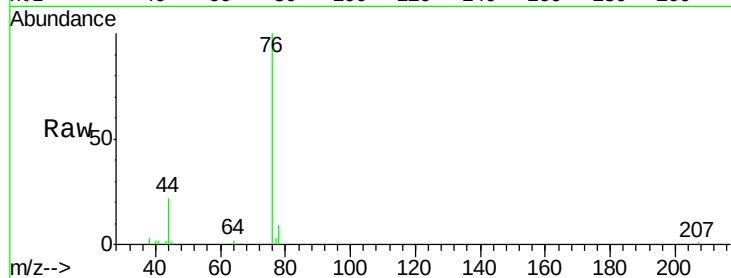
#17
Carbon Disulfide
Concen: 2.562 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion: 76 Resp: 6589
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3

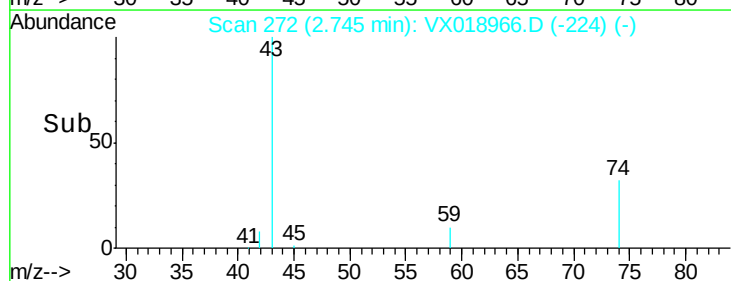
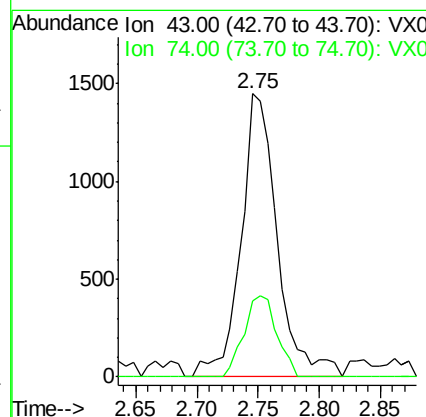
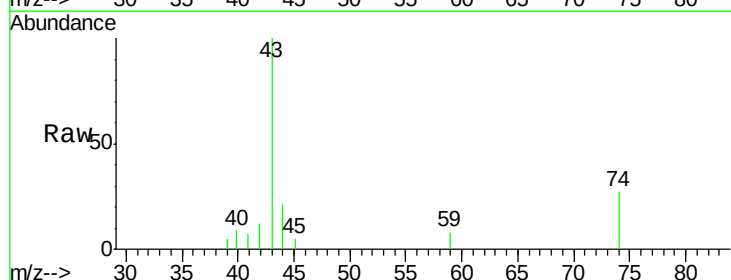
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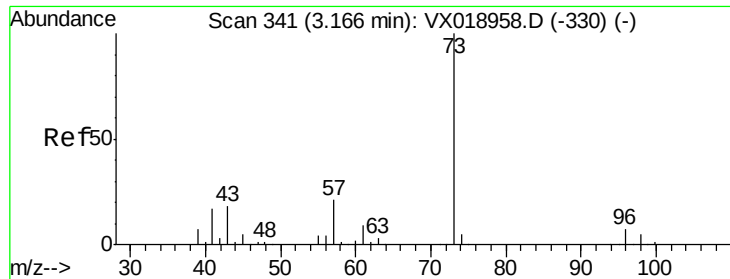
MMDadoda
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#18
Methyl Acetate
Concen: 2.763 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion: 43 Resp: 2985
Ion Ratio Lower Upper
43 100
74 26.0 23.0 34.6





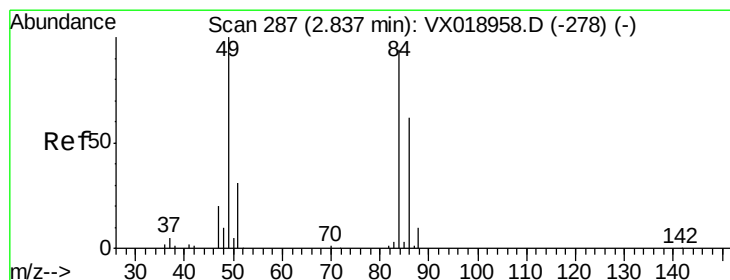
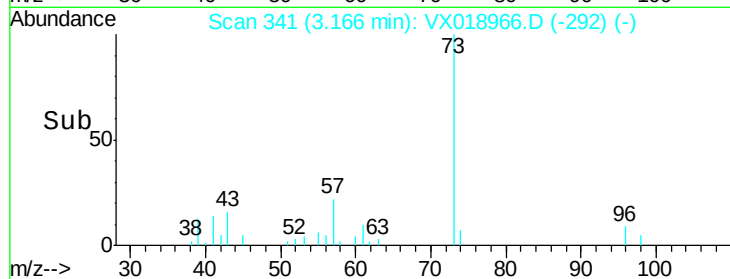
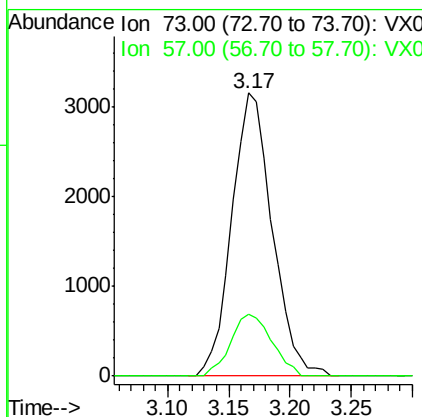
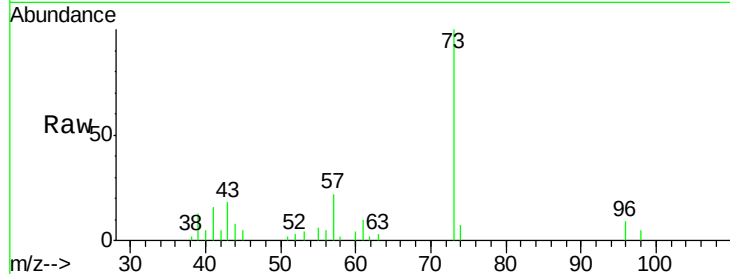
#19
Methvl tert-butyl Ether
Concen: 2.481 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion: 73 Resp: 7233
Ion Ratio Lower Upper
73 100
57 21.8 16.6 25.0

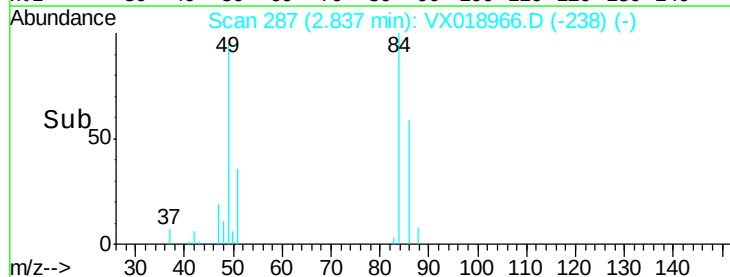
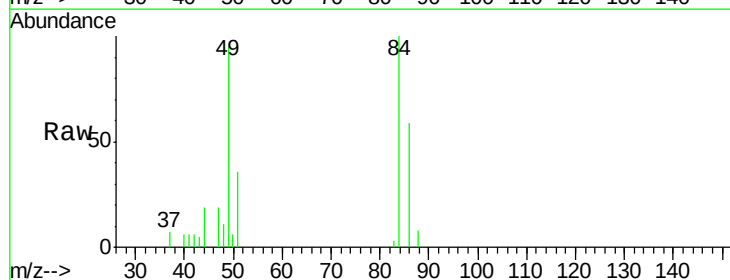
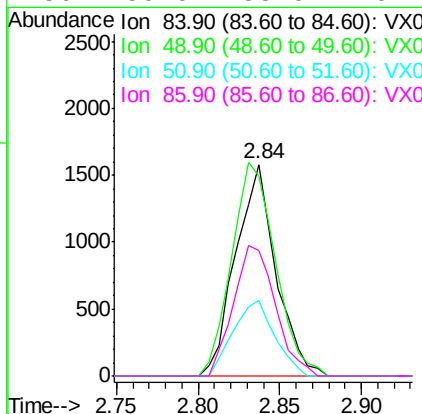
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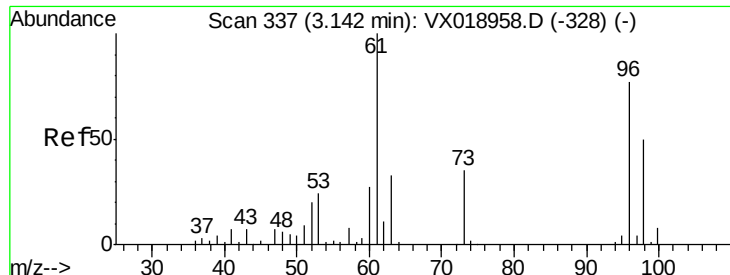
MMDadoda
10/20/2020 4:52:39 PM



#20
Methylene Chloride
Concen: 2.642 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion: 84 Resp: 2724
Ion Ratio Lower Upper
84 100
49 94.7 85.1 127.7
51 35.8 26.0 39.0
86 59.0 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 2.462 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

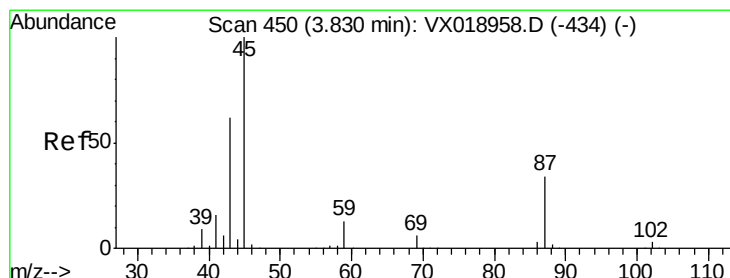
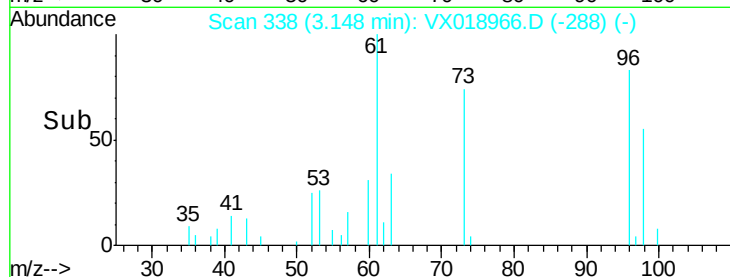
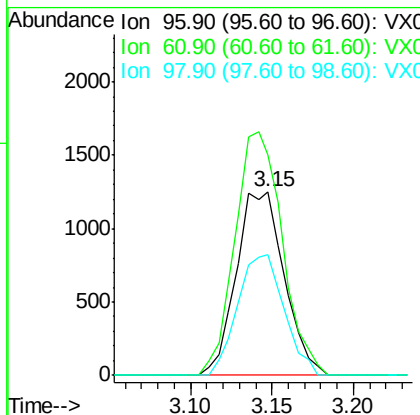
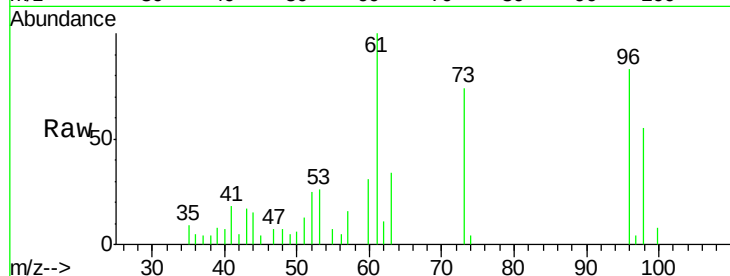
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	96	Resp:	2554
Ion	Ratio	Lower	Upper
96	100		
61	120.2	103.4	155.0
98	65.6	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.546 ug/l

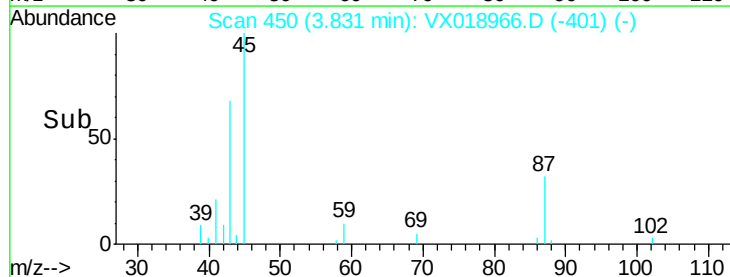
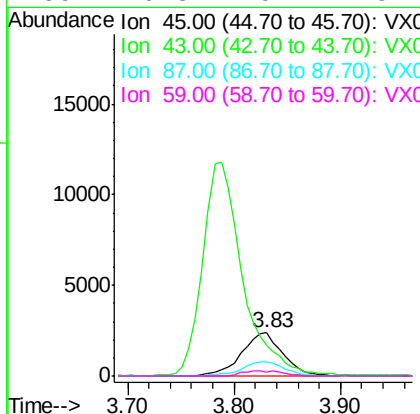
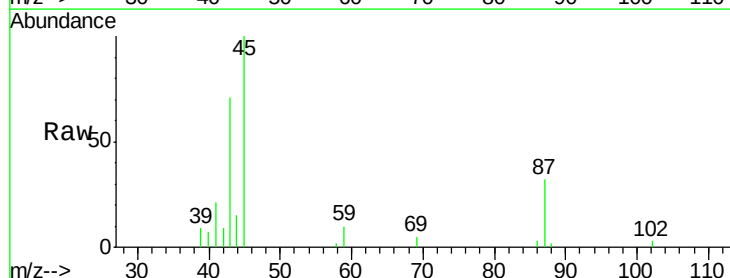
RT: 3.83 min Scan# 450

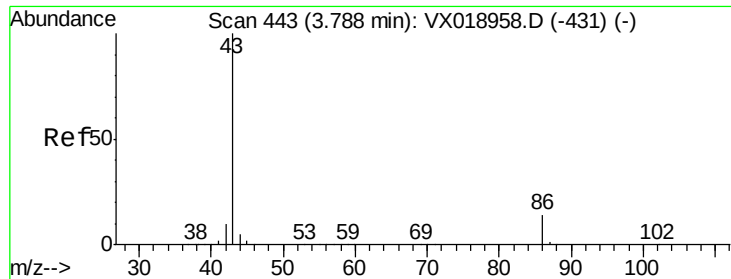
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	45	Resp:	6434
Ion	Ratio	Lower	Upper
45	100		
43	67.4	49.7	74.5
87	31.8	27.4	41.2
59	10.3	10.1	15.1





#23

Vinyl Acetate

Concen: 12.608 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 30759

Ion Ratio Lower Upper

43 100

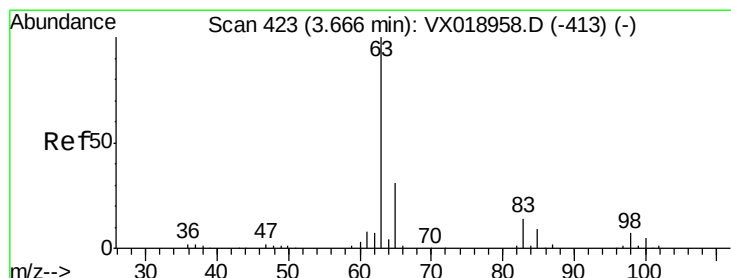
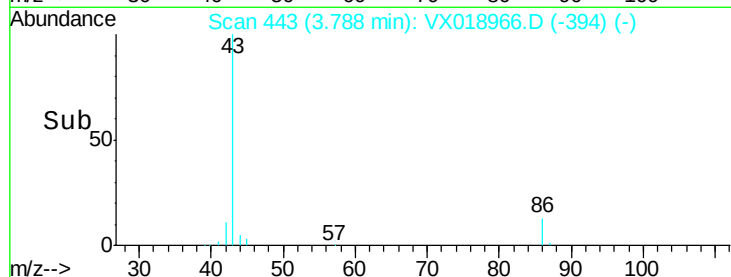
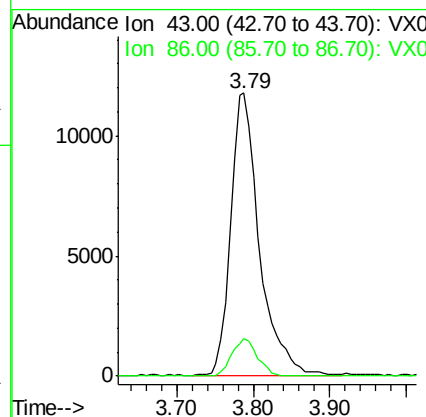
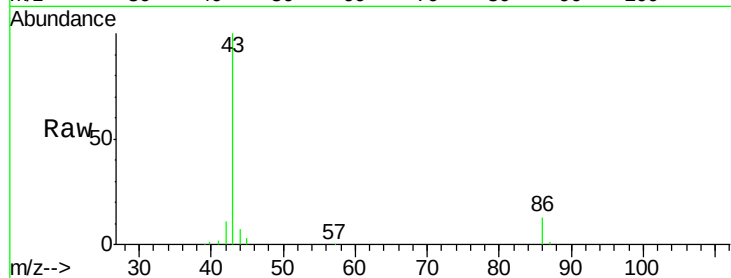
86 13.4 10.9 16.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.515 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

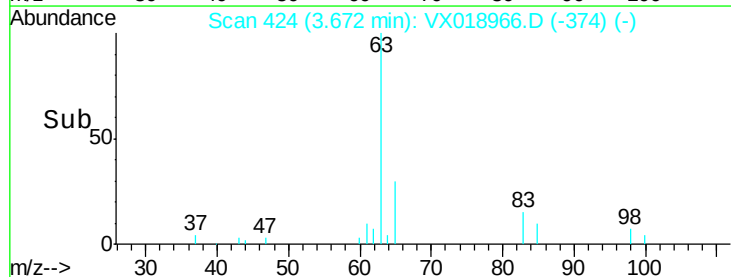
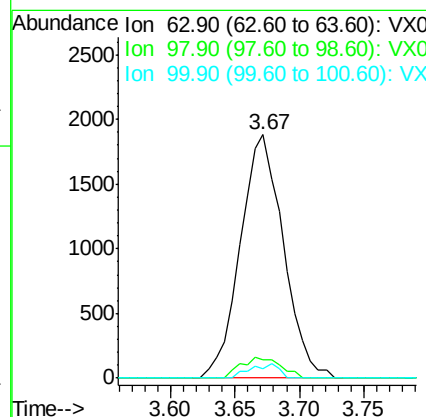
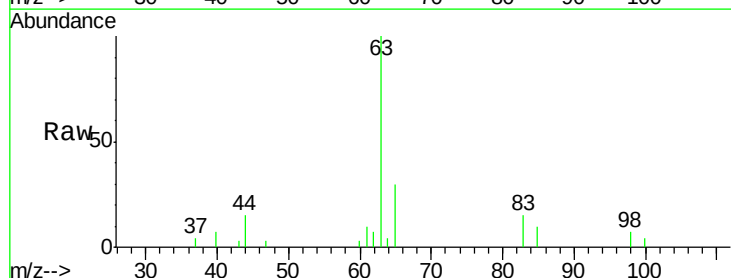
Tgt Ion: 63 Resp: 4356

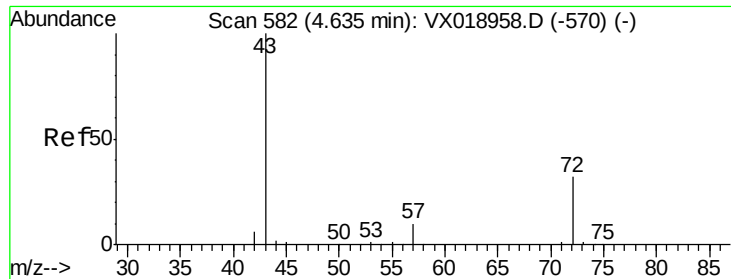
Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 13.792 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 43 Resp: 9679

Ion Ratio Lower Upper

43 100

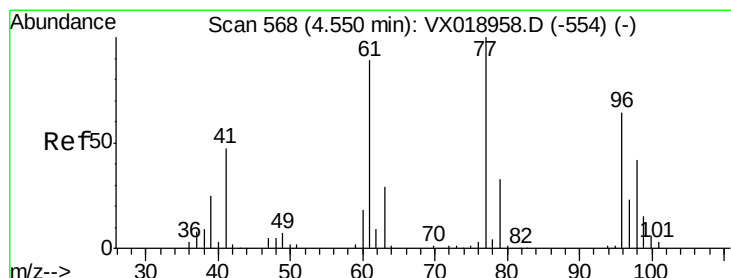
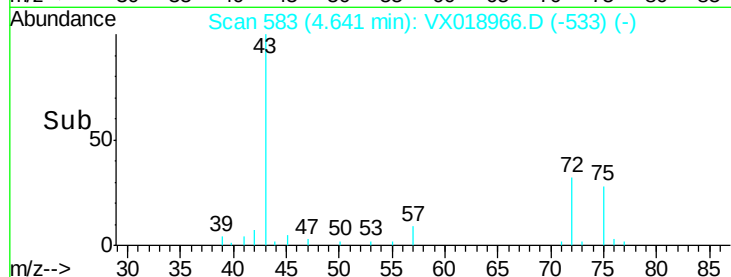
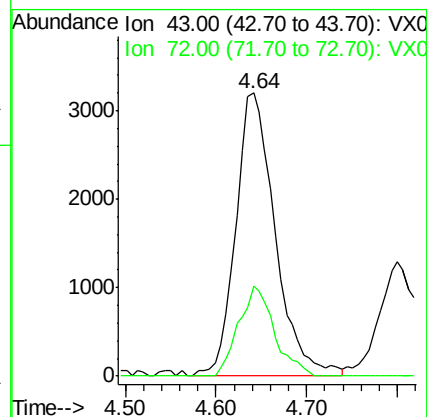
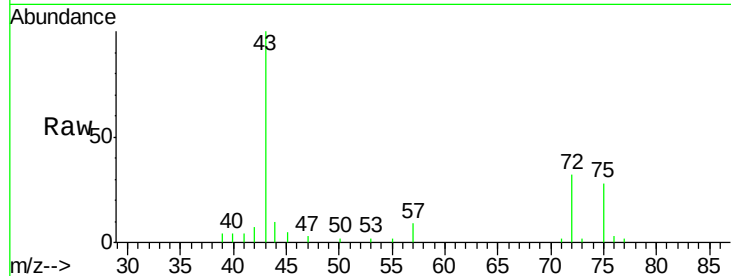
72 31.9 25.8 38.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 2.354 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX018966.D

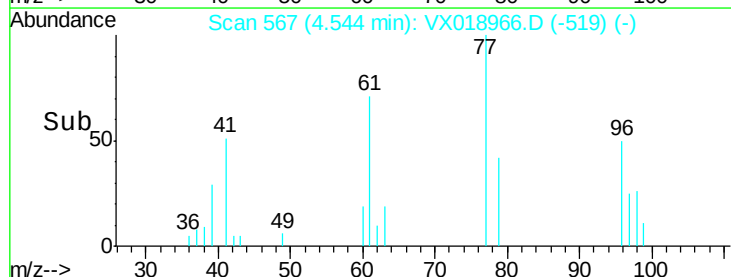
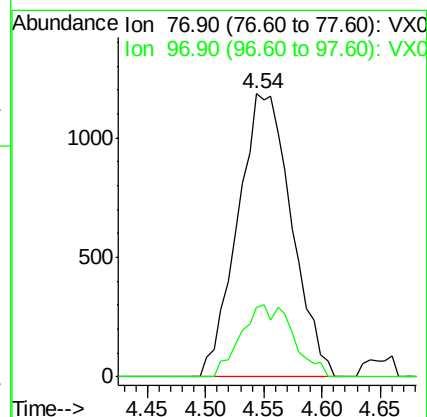
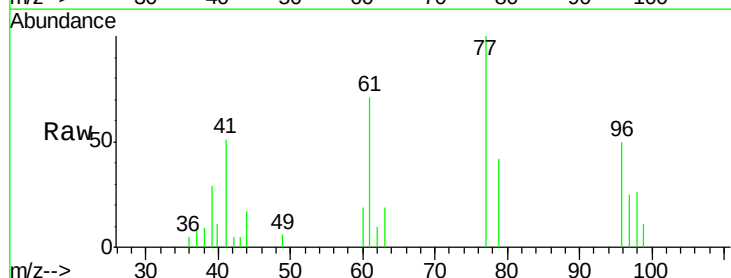
Acq: 19 Oct 2020 21:23

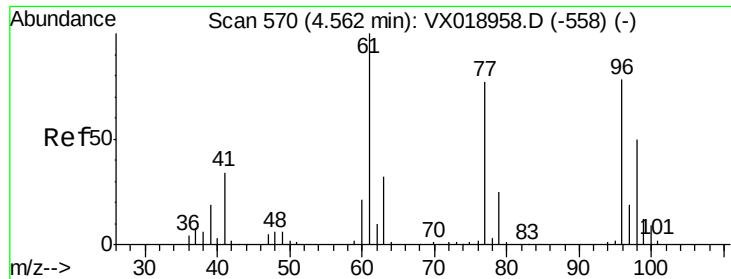
Tgt Ion: 77 Resp: 3819

Ion Ratio Lower Upper

77 100

97 24.5 11.6 34.8





#27

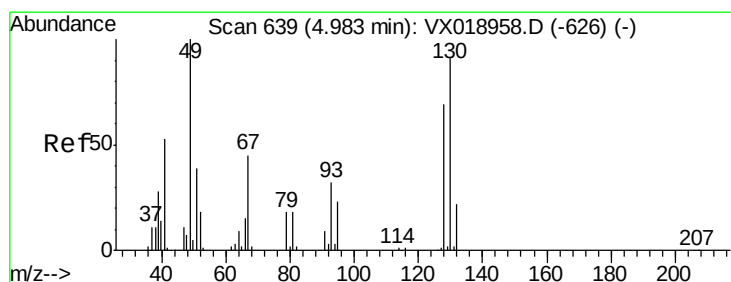
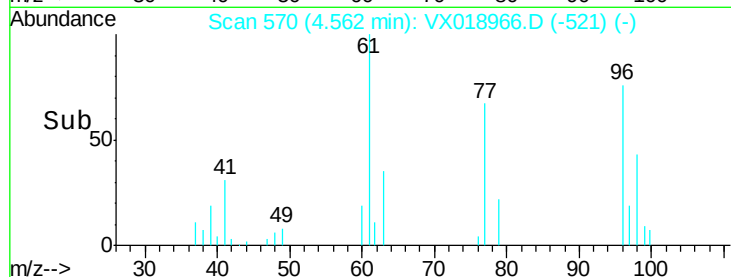
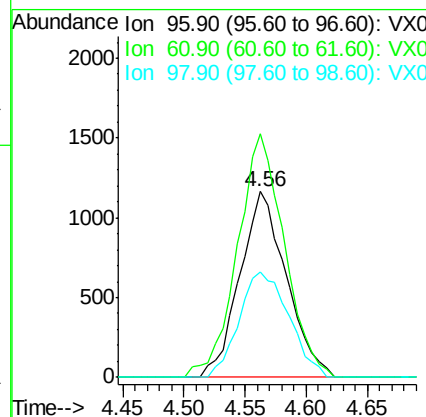
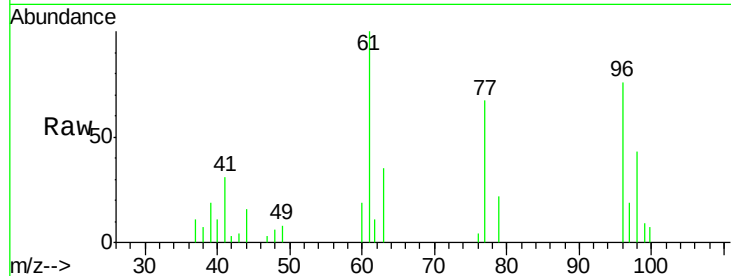
cis-1,2-Dichloroethene
 Concen: 2.552 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	265.2
98	60.5	0.0	128.4

Manual Integrations
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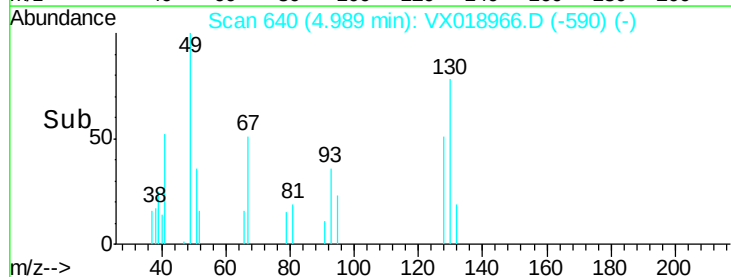
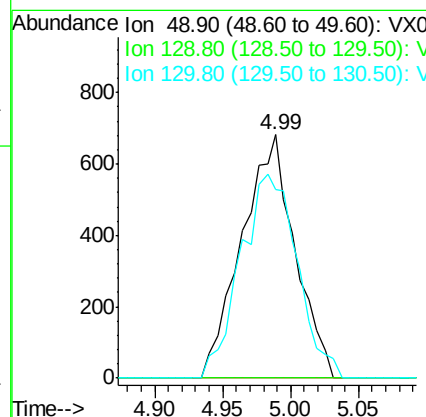
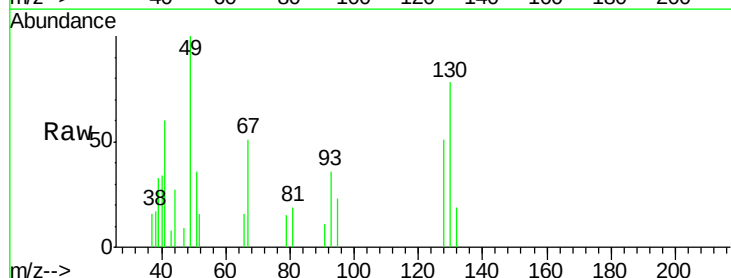
MMDadoda
 10/20/2020 4:52:39 PM

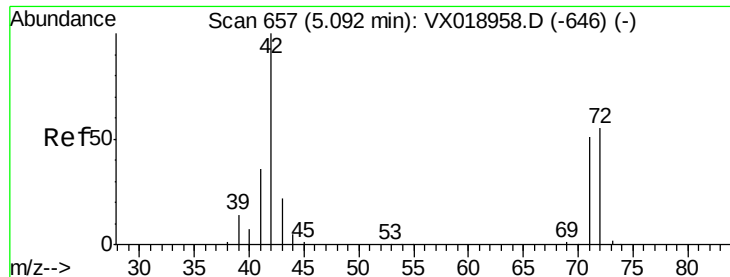


#28

Bromochloromethane
 Concen: 2.551 ug/l
 RT: 4.99 min Scan# 640
 Delta R.T. 0.01 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	89.3	72.0	108.0





#29

Tetrahydrofuran

Concen: 13.294 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

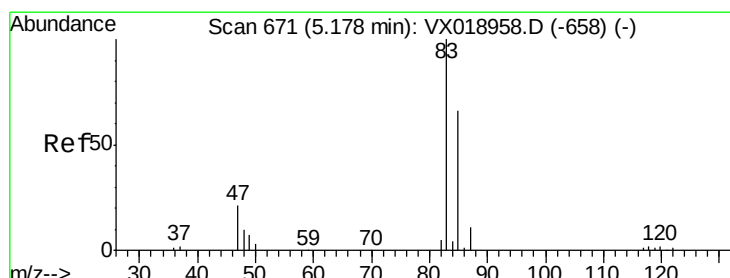
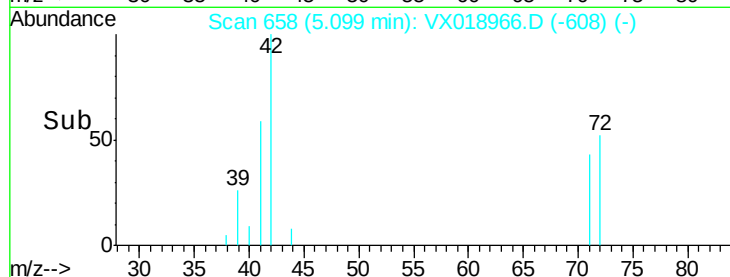
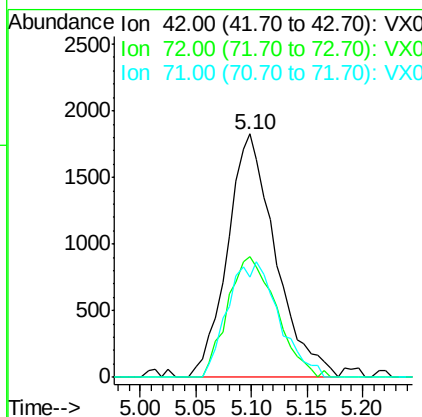
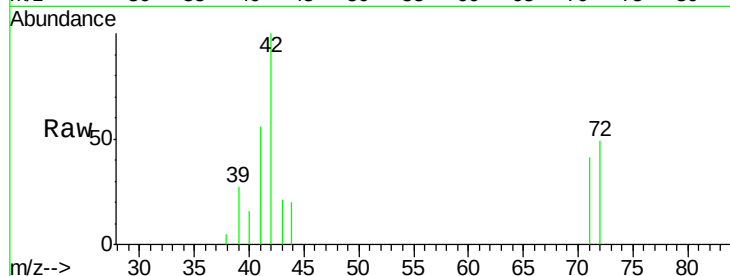
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	42	Resp:	5482
Ion	Ratio	Lower	Upper
42	100		
72	50.1	44.9	67.3
71	50.1	41.0	61.6

Manual Integrations
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#30

Chloroform

Concen: 2.540 ug/l

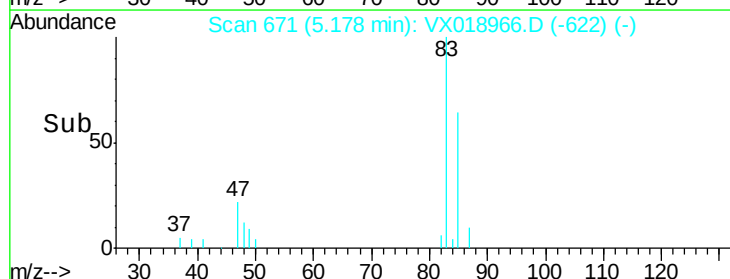
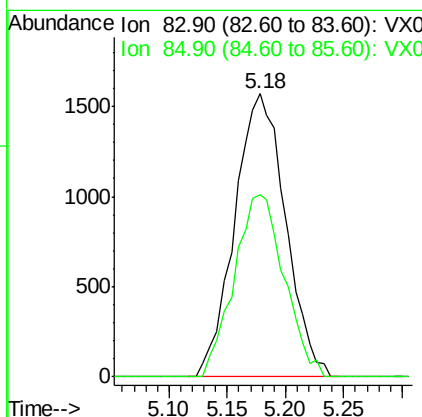
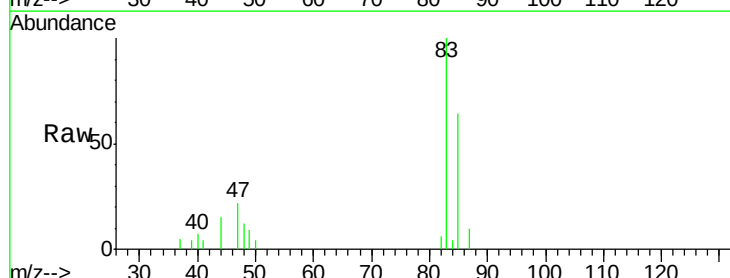
RT: 5.18 min Scan# 671

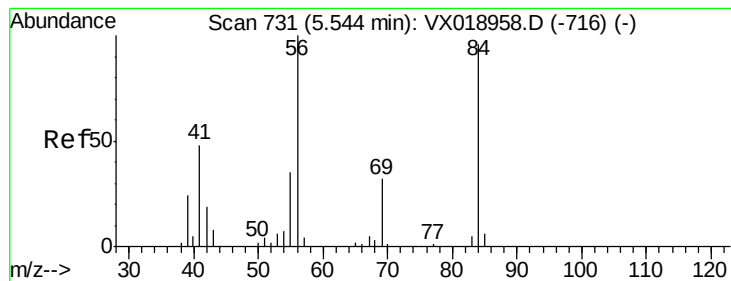
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	83	Resp:	4758
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8





#31

Cyclohexane

Concen: 2.660 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

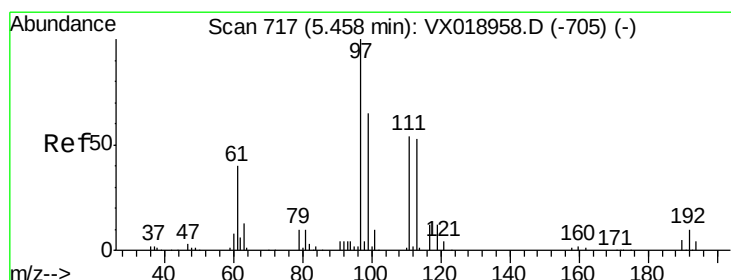
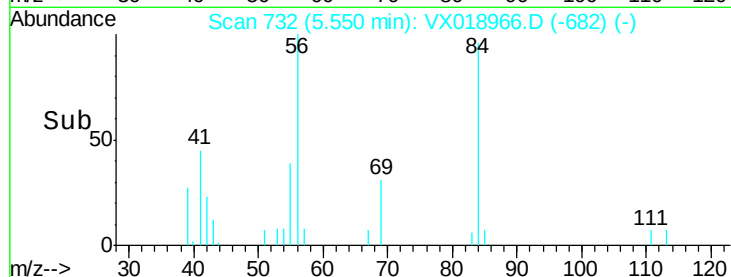
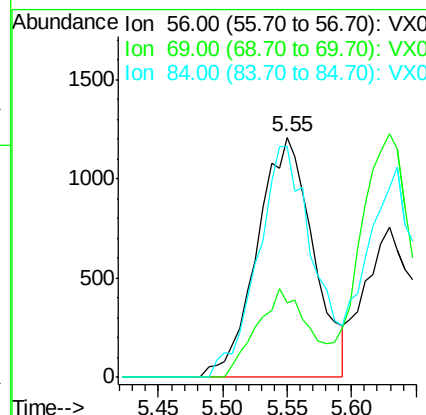
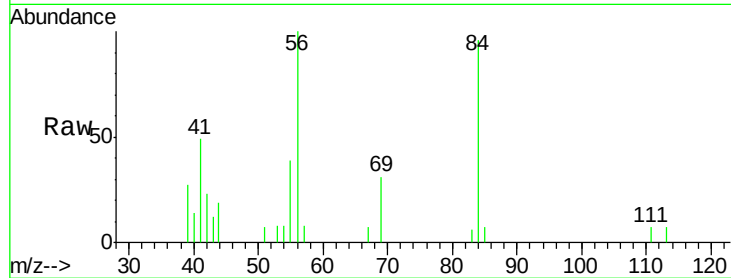
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	56	Resp:	3642
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.0
84	96.3	75.4	113.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 2.524 ug/l

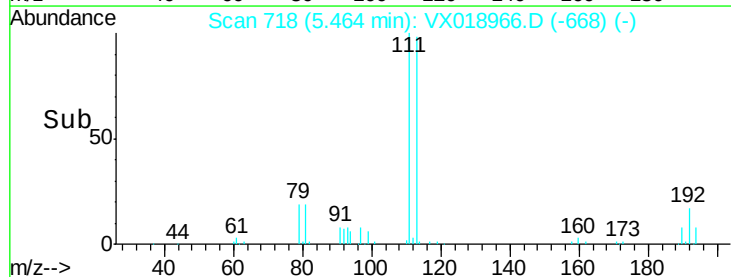
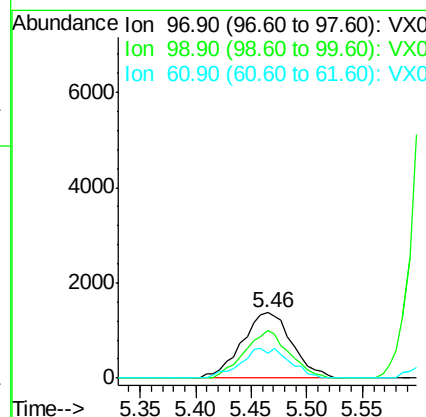
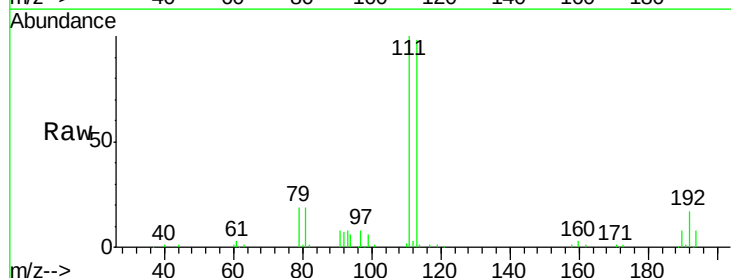
RT: 5.46 min Scan# 718

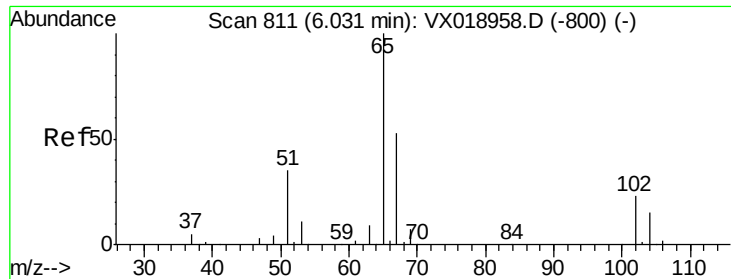
Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	97	Resp:	4270
Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.5	75.7
61	44.1	32.3	48.5





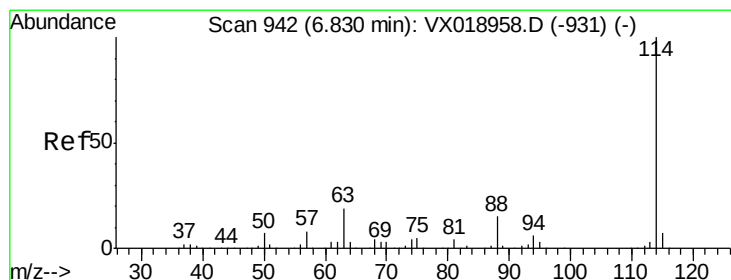
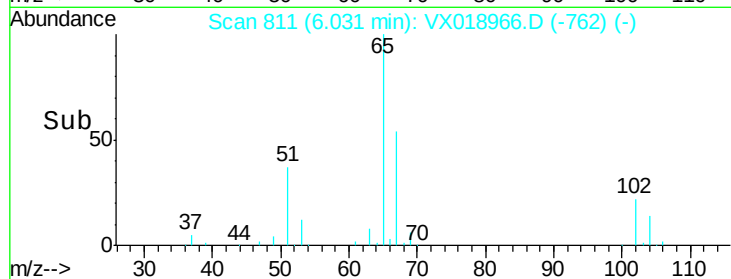
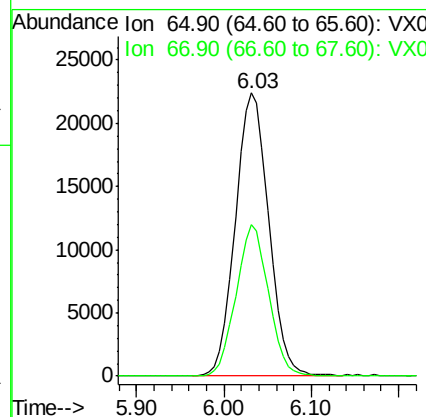
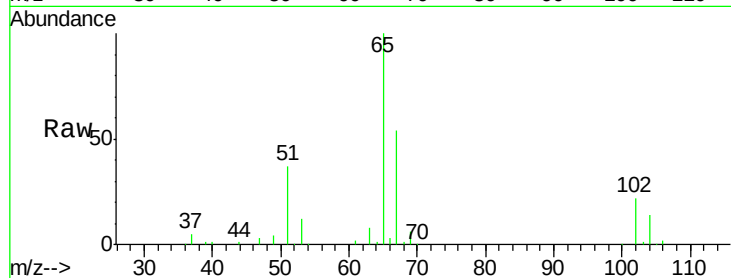
#33
 1,2-Dichloroethane-d4
 Concen: 53.540 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.6

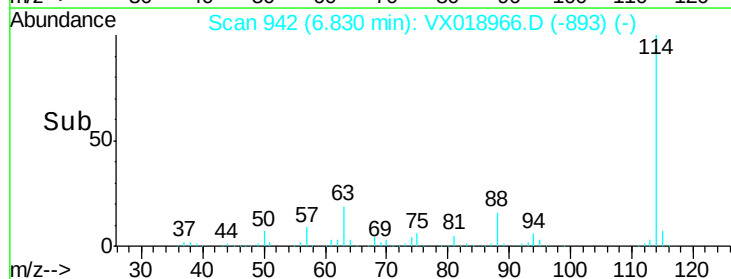
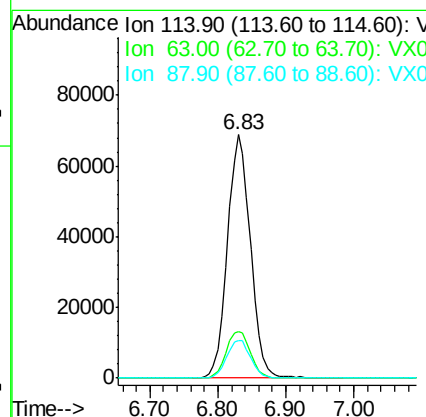
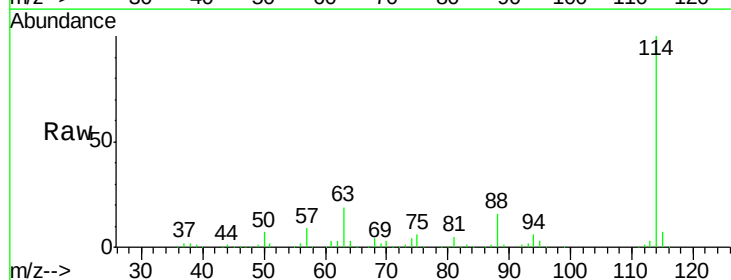
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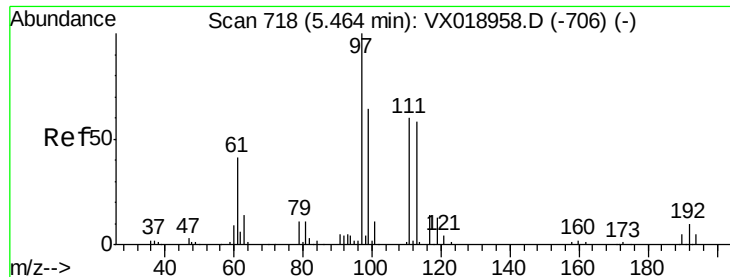
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.0
88	15.5	0.0	30.8





#35

Dibromofluoromethane

Concen: 47.123 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

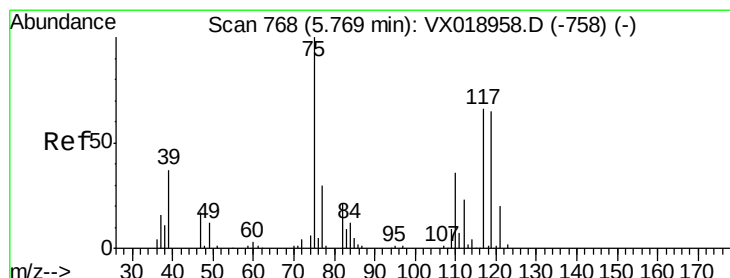
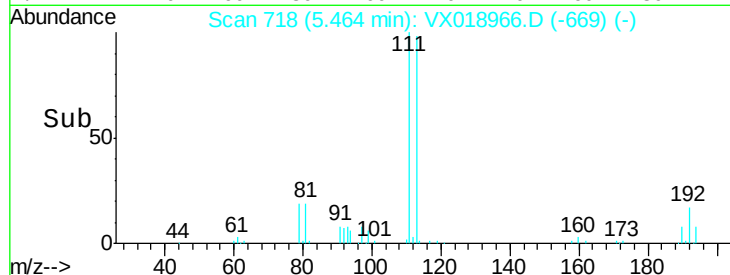
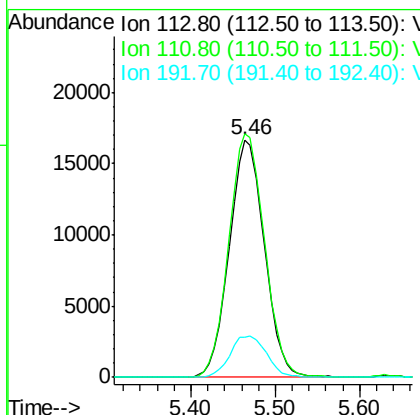
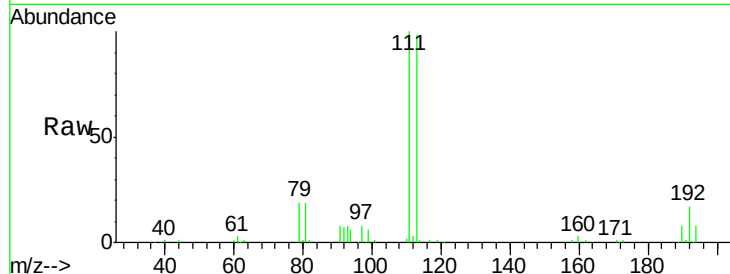
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:113	Resp:	46996
Ion Ratio	Lower	Upper
113 100		
111 104.6	80.8	121.2
192 18.2	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 2.389 ug/l

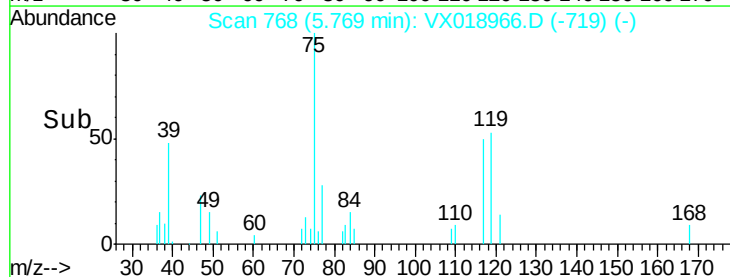
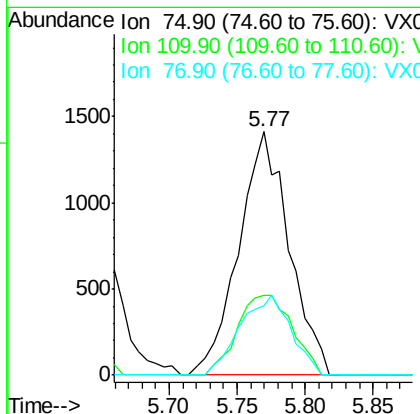
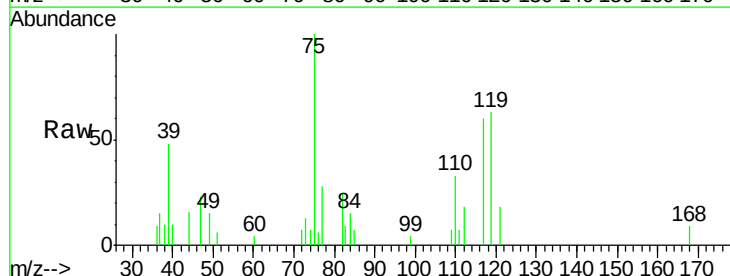
RT: 5.77 min Scan# 768

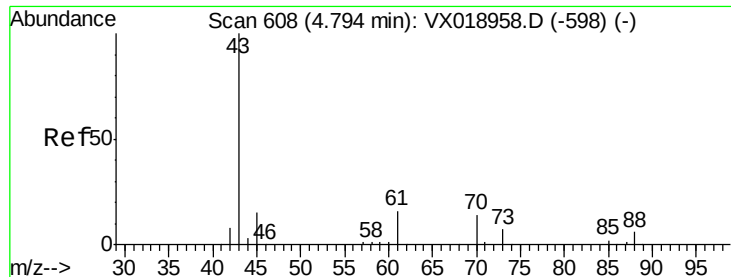
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion: 75	Resp:	3658
Ion Ratio	Lower	Upper
75 100		
110 36.0	18.3	54.8
77 33.2	25.0	37.4





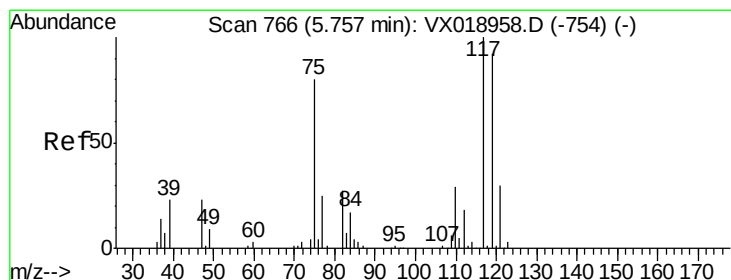
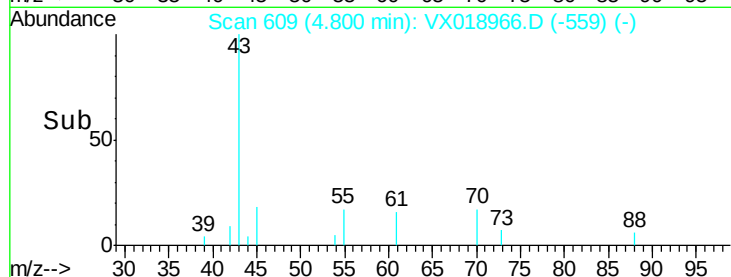
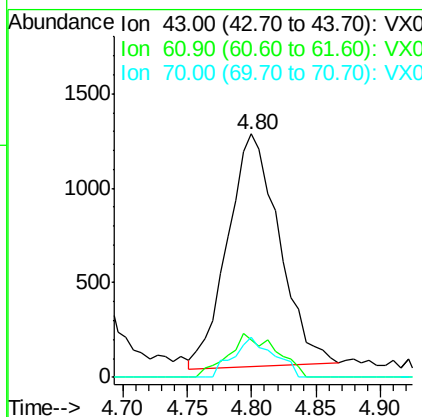
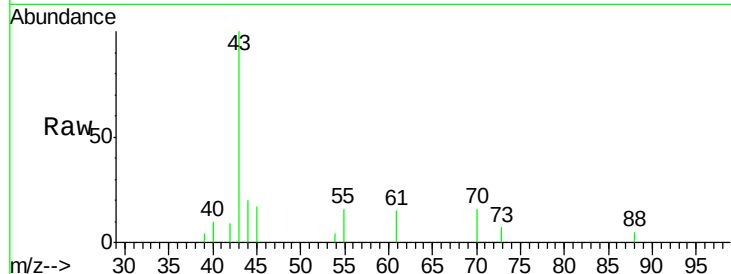
#37
Ethyl Acetate
Concen: 2.266 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	12.7	19.1
70	13.5	10.6	15.8

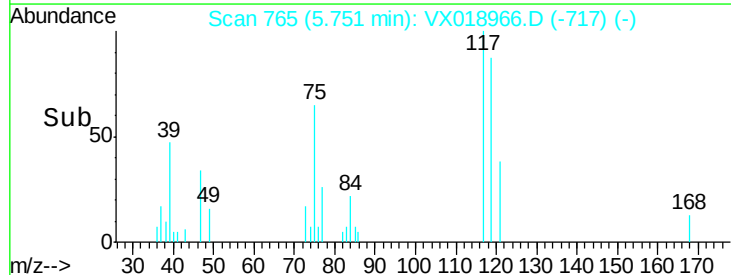
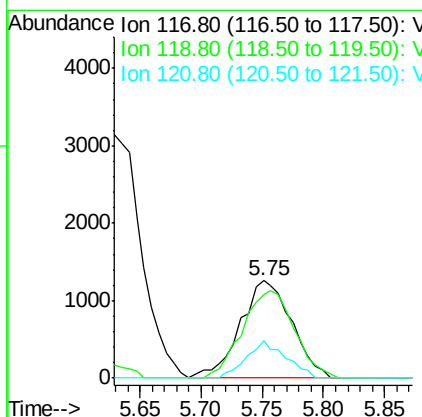
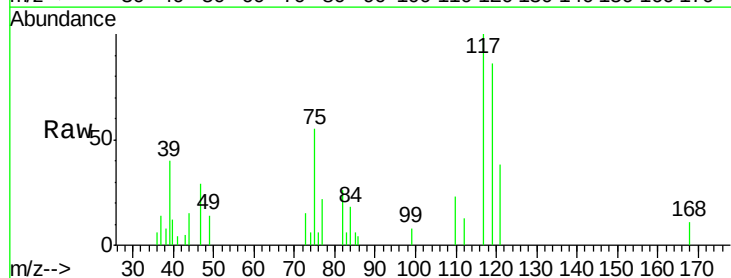
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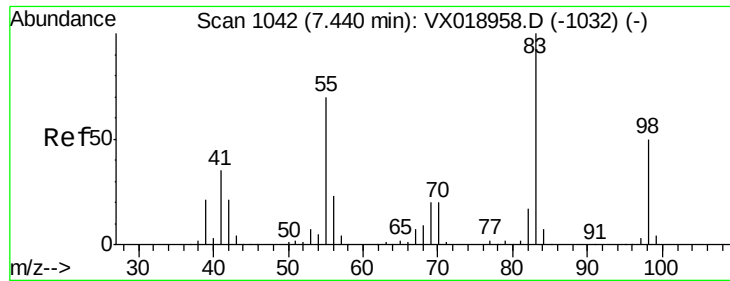
MMDadoda
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#38
Carbon Tetrachloride
Concen: 2.338 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	73.2	109.8
121	38.2	23.5	35.3





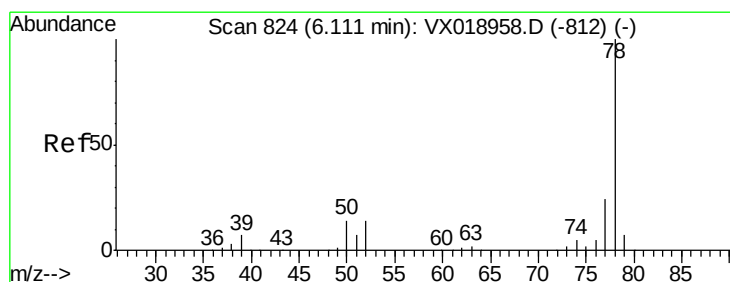
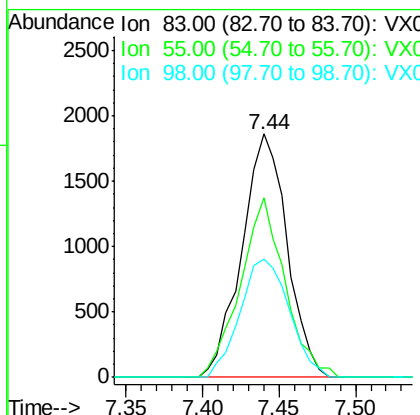
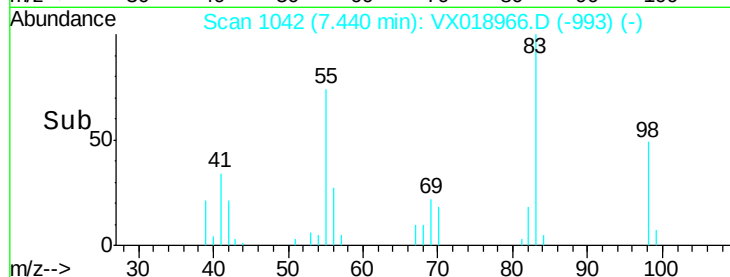
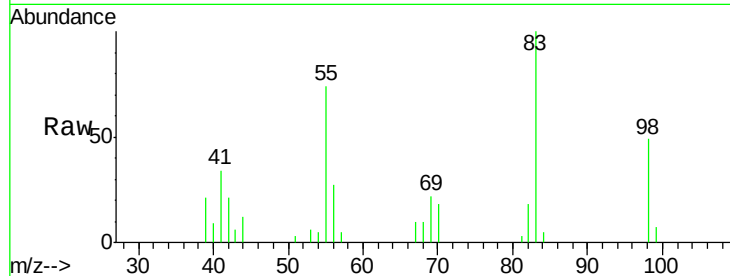
#39
Methylvlcyclohexane
Concen: 2.332 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion	83	Resp	3837
Ion Ratio	100	Lower	Upper
83	100		
55	73.5	56.3	84.5
98	48.6	39.8	59.6

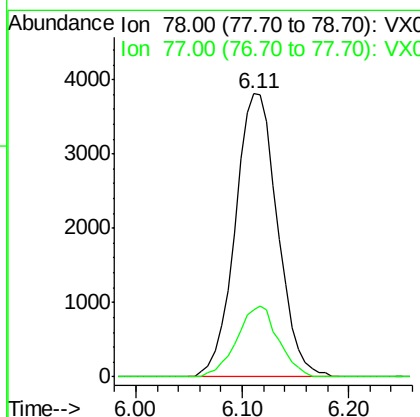
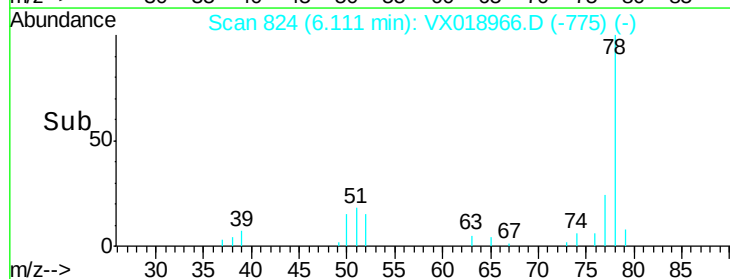
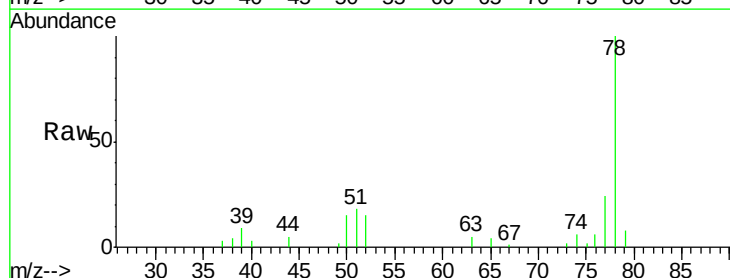
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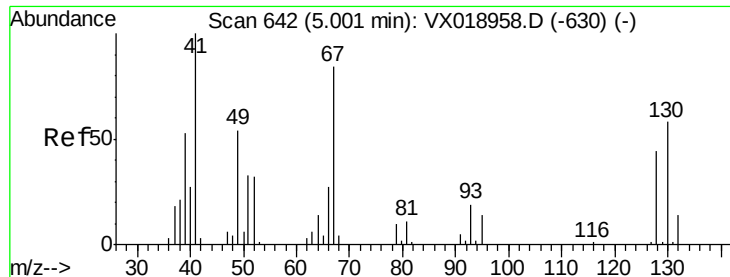
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#40
Benzene
Concen: 2.406 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	78	Resp	10600
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	19.2	28.8





#41

Methacrylonitrile

Concen: 2.542 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 41 Resp: 1989

Ion Ratio Lower Upper

41 100

39 56.6 43.7 65.5

67 78.8 70.9 106.3

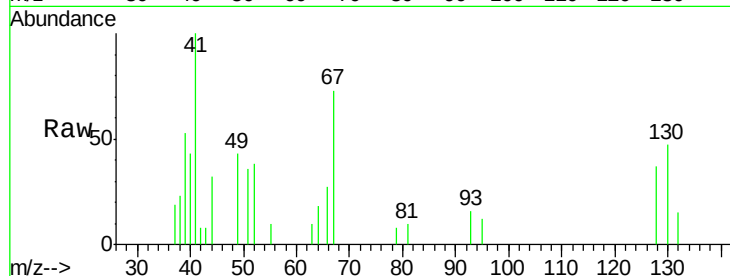
52 31.3 27.0 40.6

Manual Integrations

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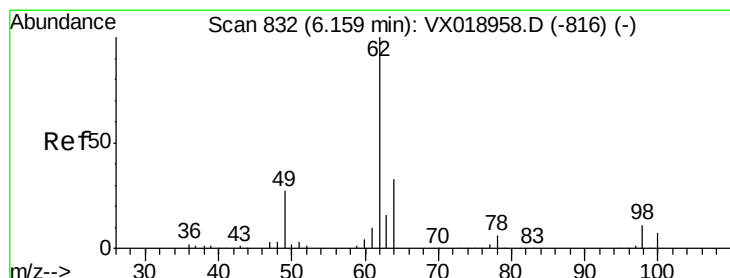
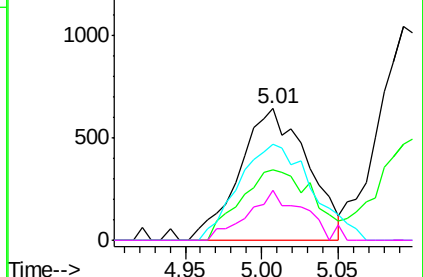
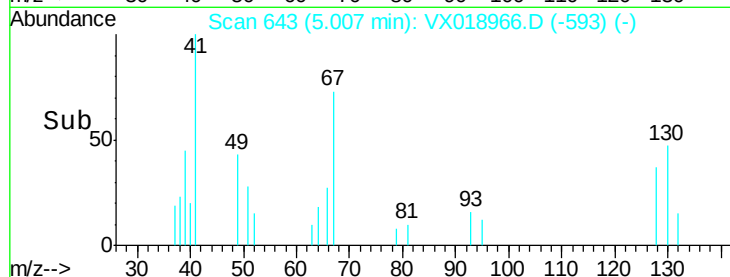


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 2.520 ug/l

RT: 6.17 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX018966.D

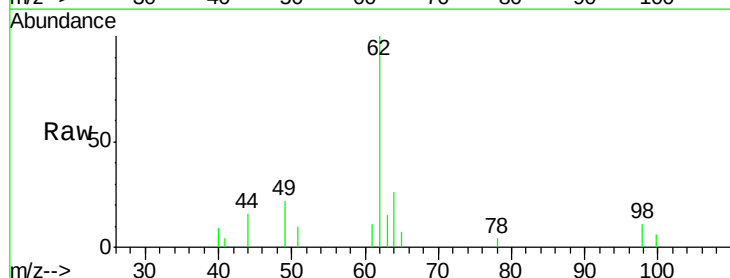
Acq: 19 Oct 2020 21:23

Tgt Ion: 62 Resp: 3808

Ion Ratio Lower Upper

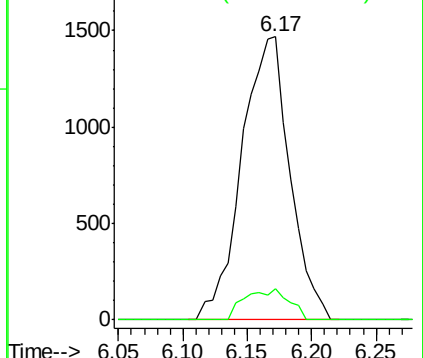
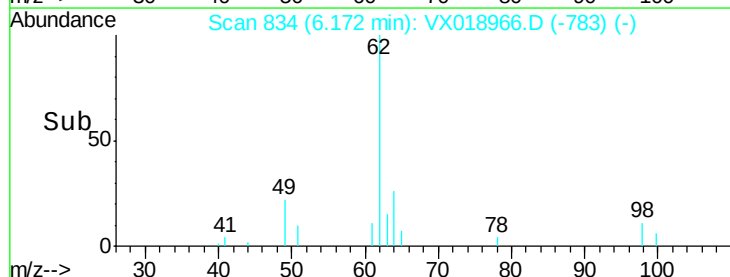
62 100

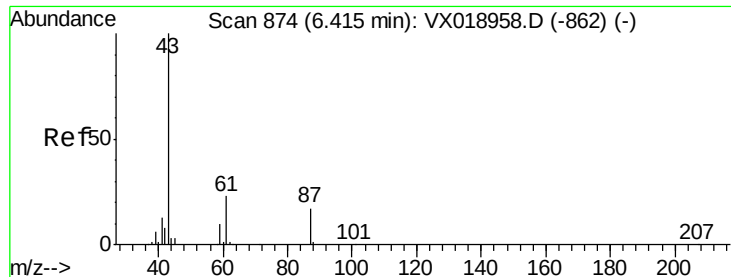
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





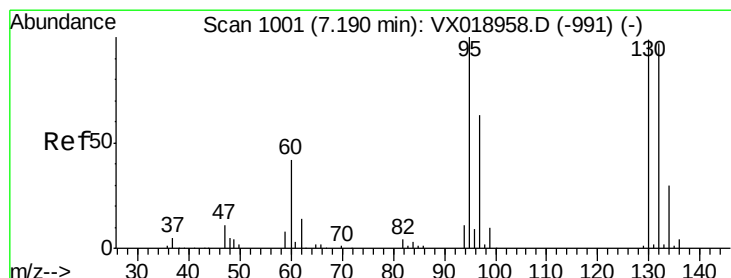
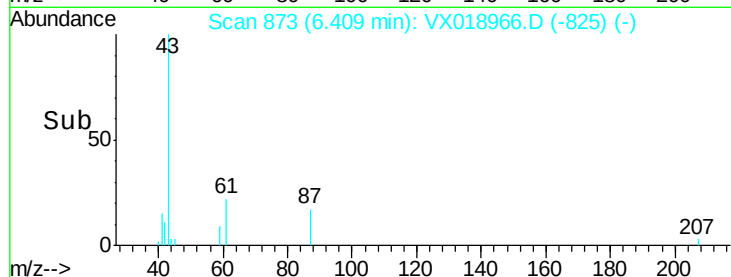
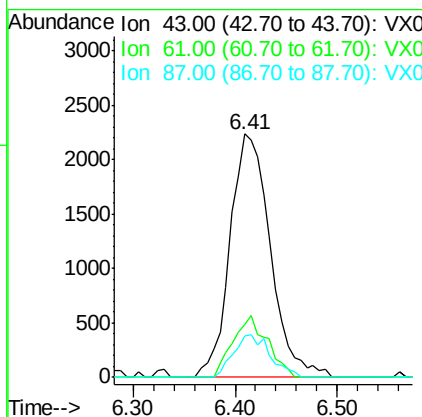
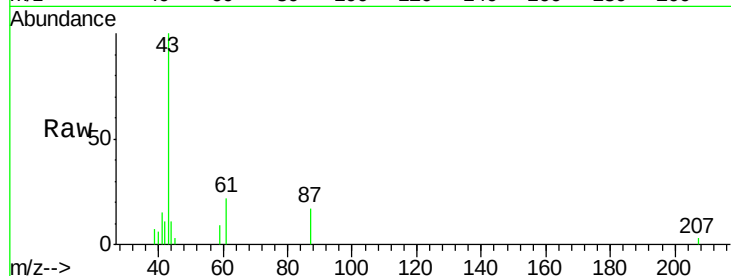
#43
Isopropyl Acetate
Concen: 2.517 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion:	43	Resp:	6135
Ion	Ratio	Lower	Upper
43	100		
61	21.8	18.3	27.5
87	16.0	13.4	20.2

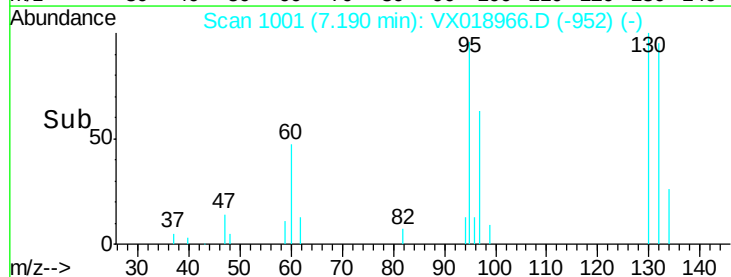
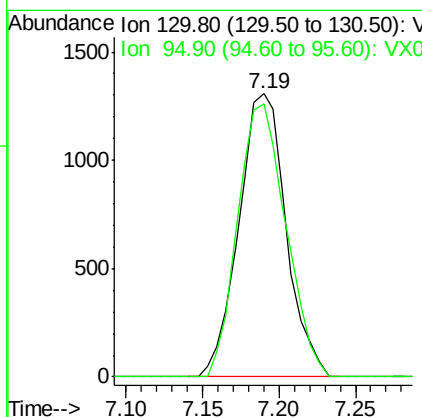
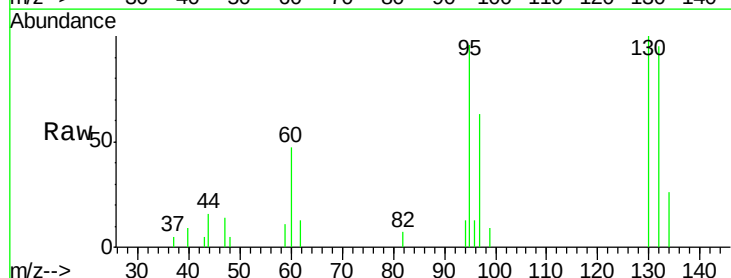
Manual Integrations
APPROVED

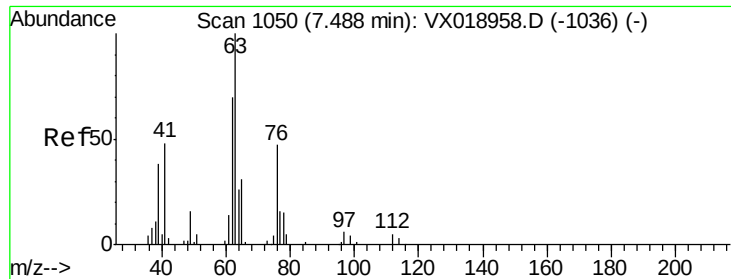
MMDadoda
10/20/2020 4:52:39 PM



#44
Trichloroethene
Concen: 2.305 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion:	130	Resp:	2805
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	201.0





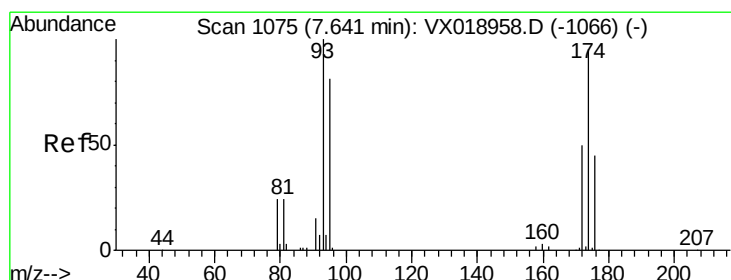
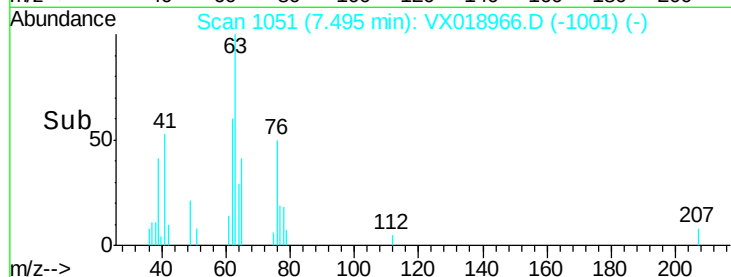
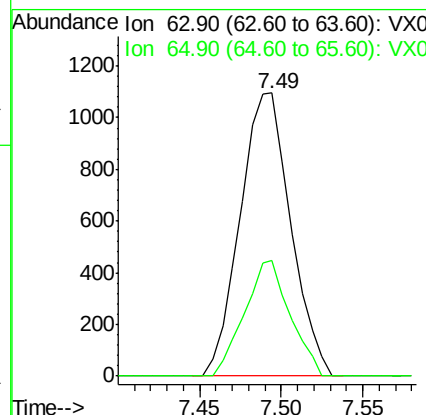
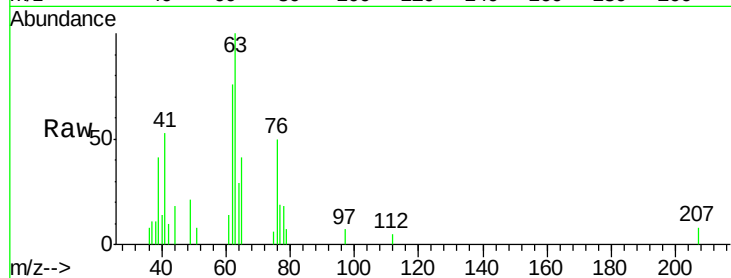
#45
 1,2-Dichloropropane
 Concen: 2.168 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion: 63 Resp: 2363
 Ion Ratio Lower Upper
 63 100
 65 40.7 25.0 37.6#

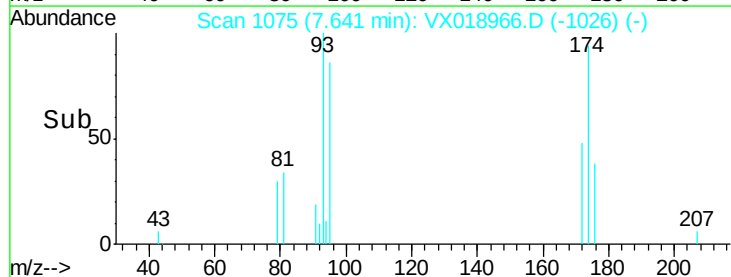
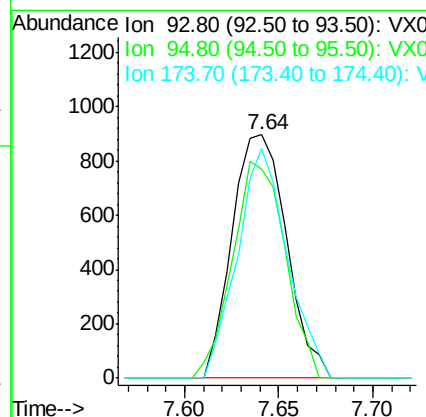
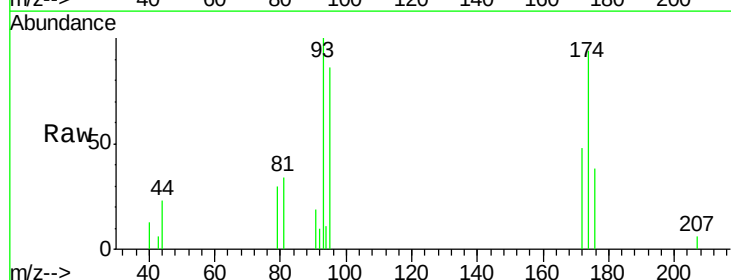
Manual Integrations
 APPROVED

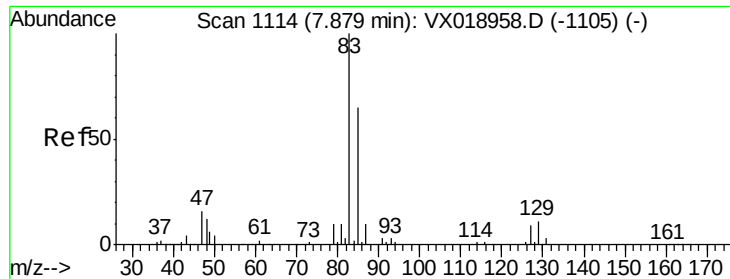
MMDadoda
 10/20/2020 4:52:39 PM



#46
 Dibromomethane
 Concen: 2.306 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion: 93 Resp: 1797
 Ion Ratio Lower Upper
 93 100
 95 85.8 66.6 100.0
 174 86.6 73.8 110.8





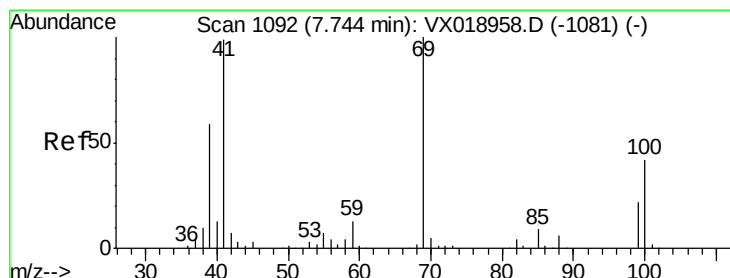
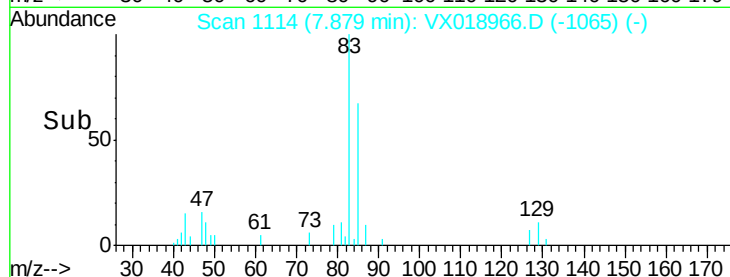
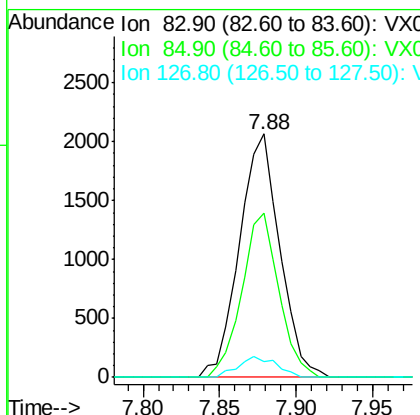
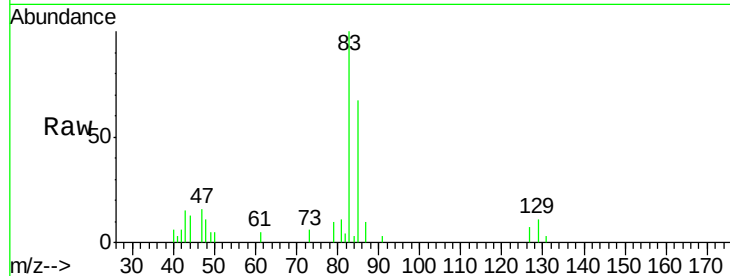
#47
Bromodichloromethane
Concen: 2.408 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.4	78.6
127	6.6	7.3	10.9

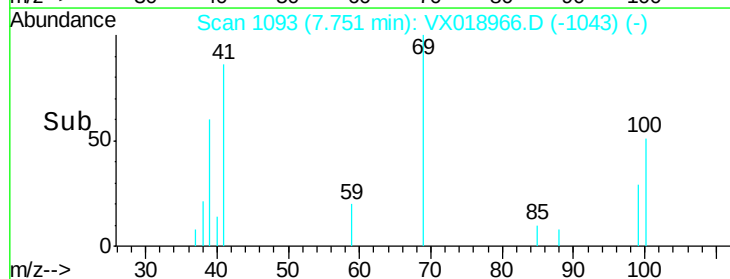
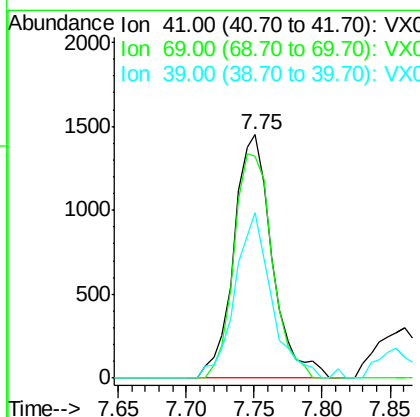
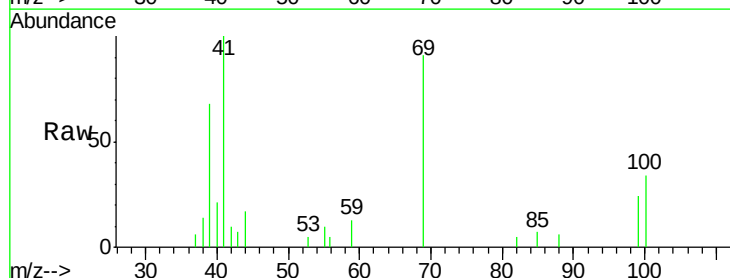
Manual Integrations
APPROVED

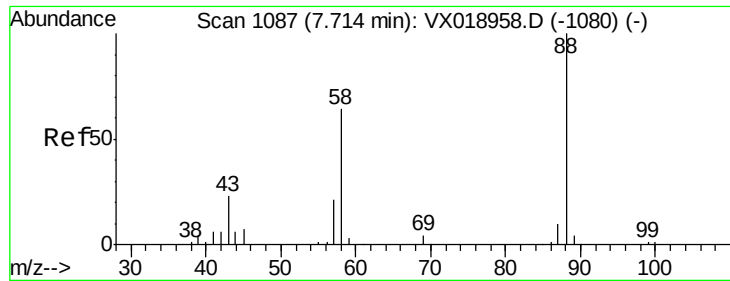
MMDadoda
10/20/2020 4:52:39 PM



#48
Methyl methacrylate
Concen: 2.524 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.3	82.4	123.6
39	64.6	48.1	72.1





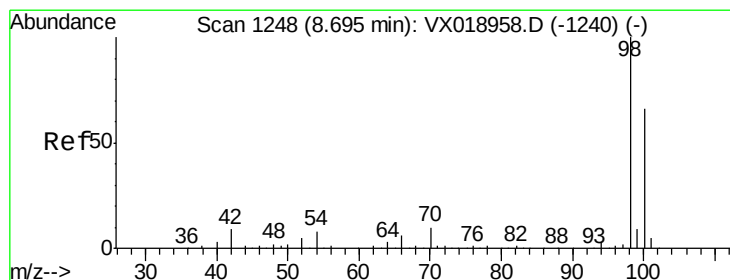
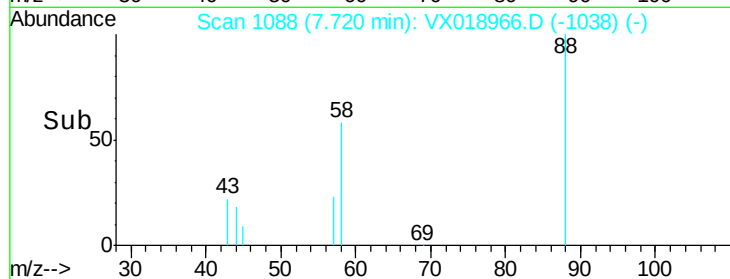
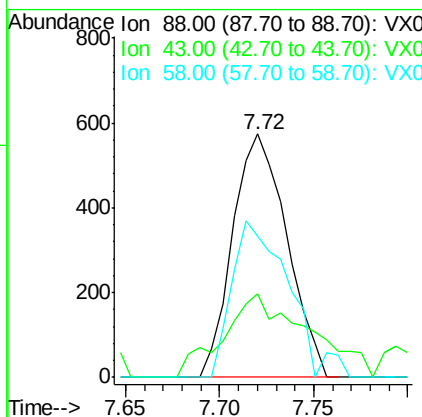
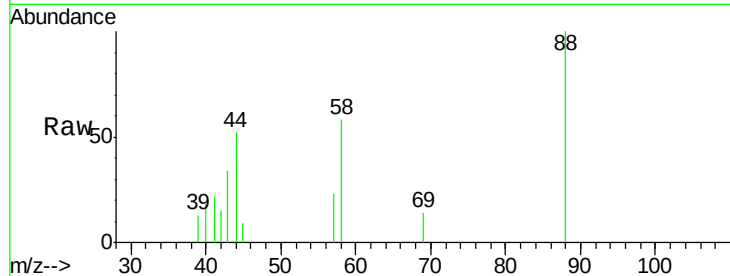
#49
1,4-Dioxane
Concen: 44.217 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	54.2	21.1	31.7#
58	67.9	50.3	75.5

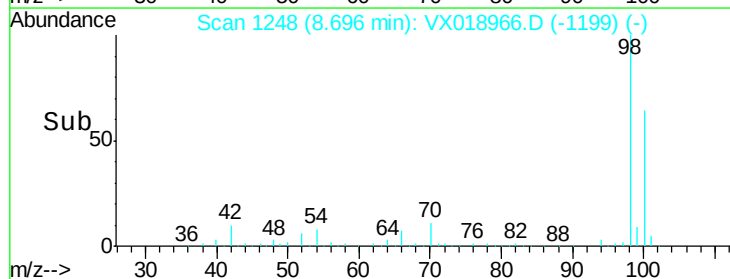
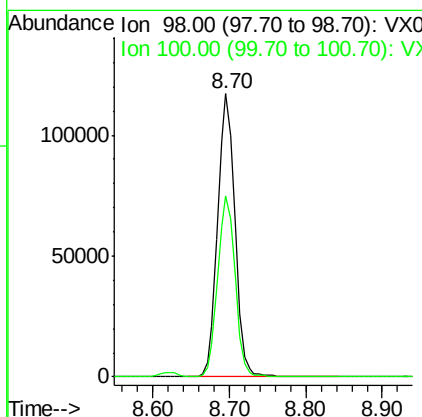
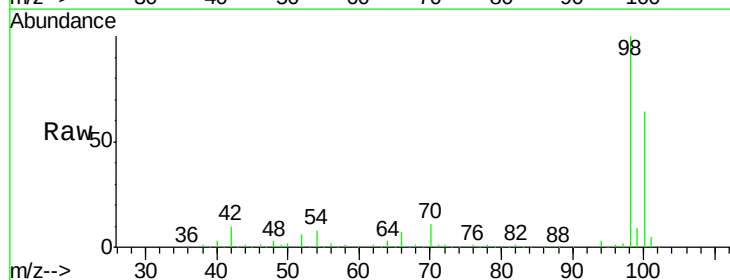
Manual Integrations
APPROVED

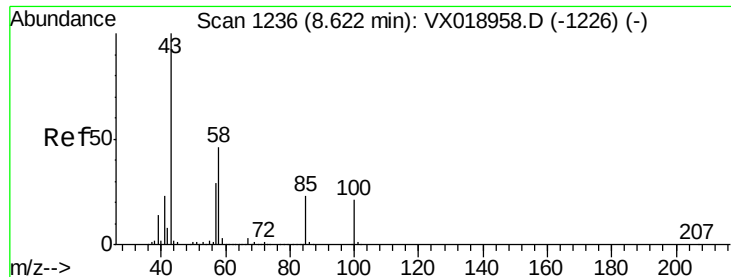
MMDadoda
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#50
Toluene-d8
Concen: 47.547 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.4	80.2





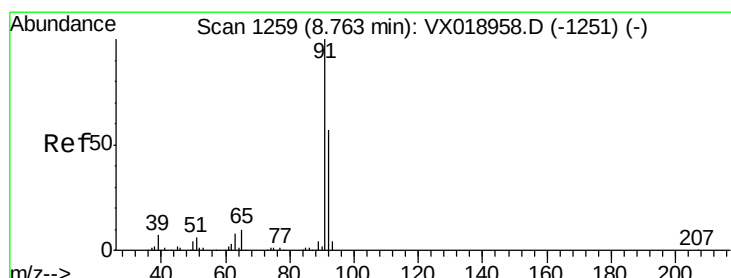
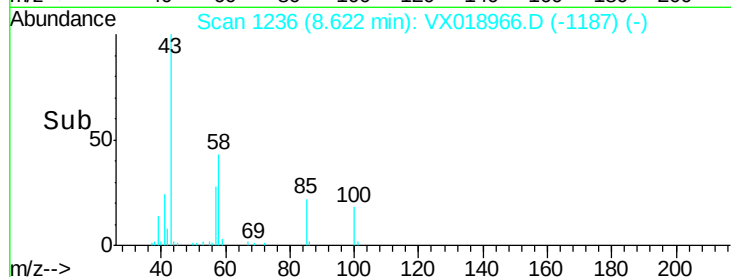
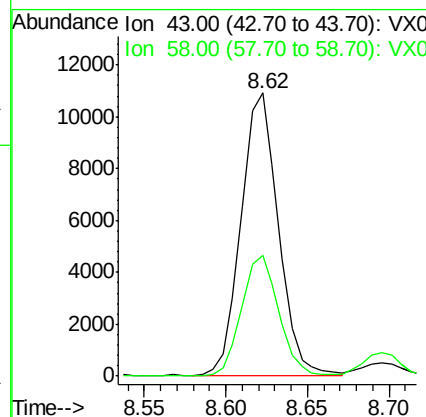
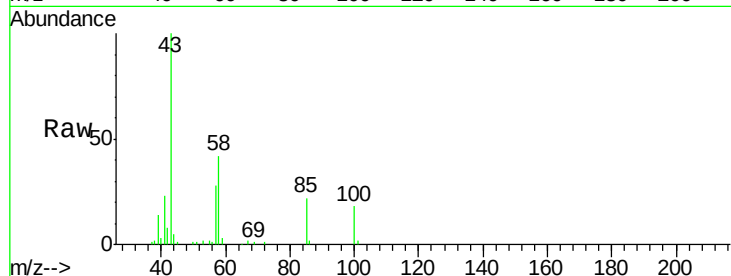
#51
4-Methyl-2-Pentanone
Concen: 12.356 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion: 43 Resp: 17499
Ion Ratio Lower Upper
43 100
58 42.3 36.4 54.6

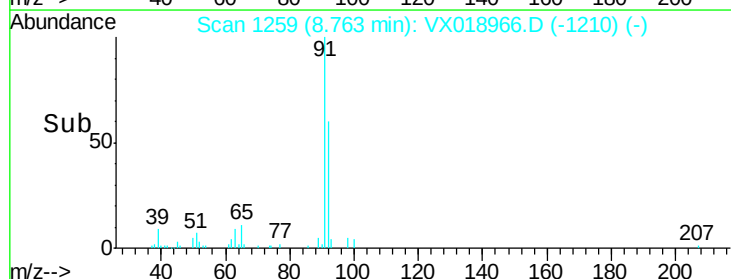
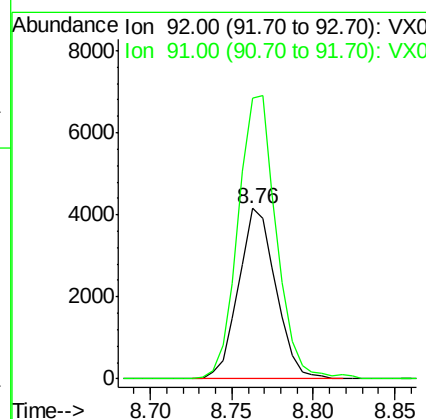
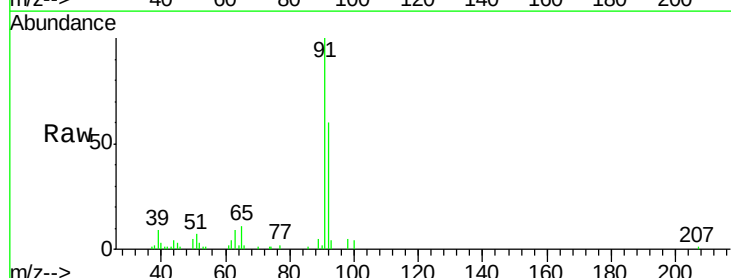
Manual Integrations
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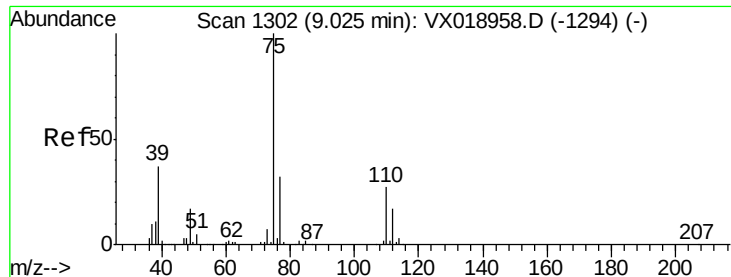
MMDadoda
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#52
Toluene
Concen: 2.323 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion: 92 Resp: 6618
Ion Ratio Lower Upper
92 100
91 170.9 137.1 205.7





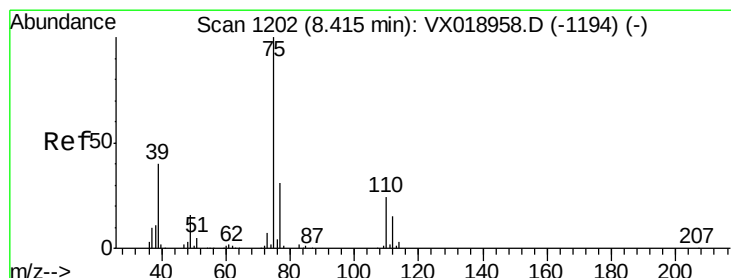
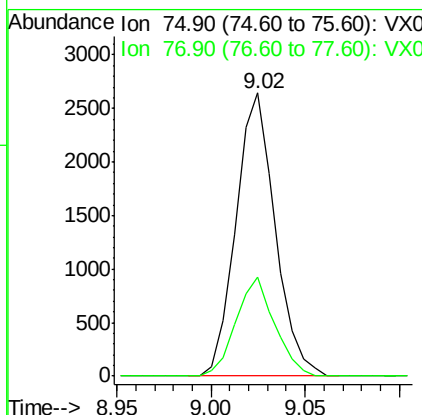
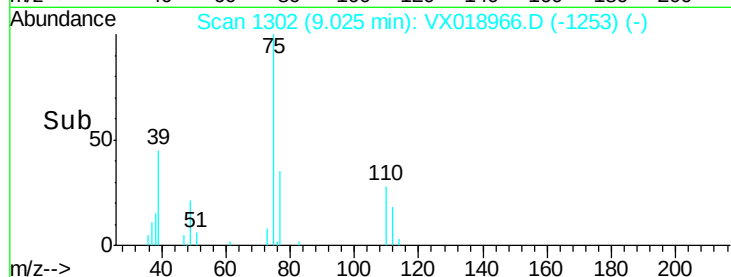
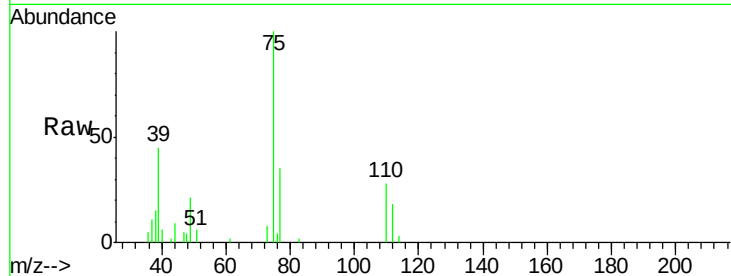
#53
 t-1,3-Dichloropropene
 Concen: 2.130 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.1	26.0	39.0

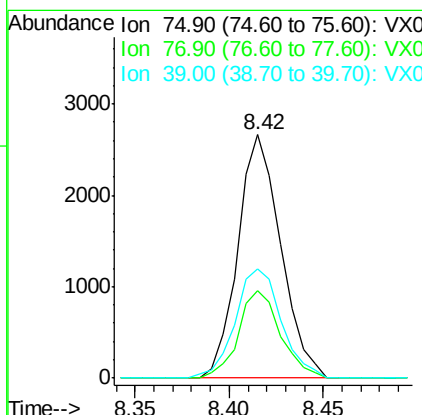
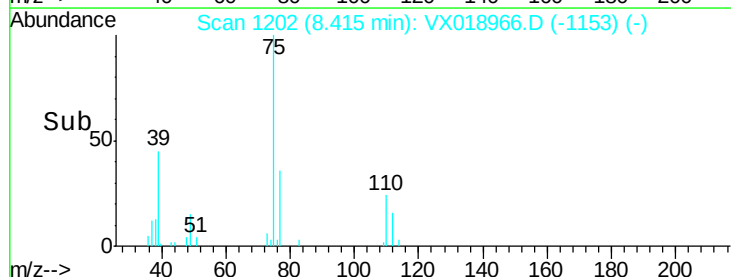
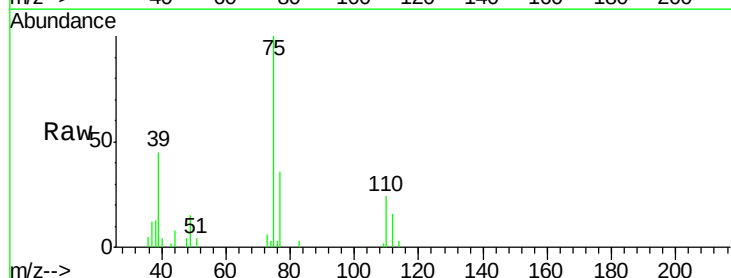
Manual Integrations
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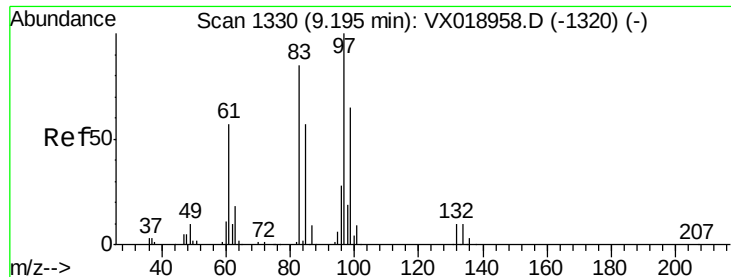
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 2.225 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.8	24.6	36.8
39	45.0	32.1	48.1





#55

1,1,2-Trichloroethane

Concen: 2.456 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

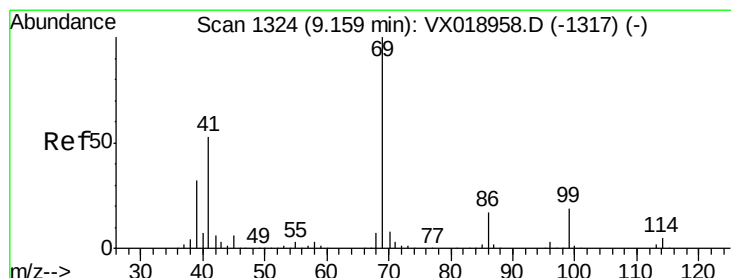
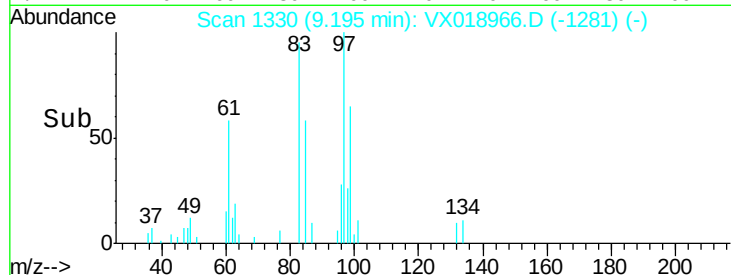
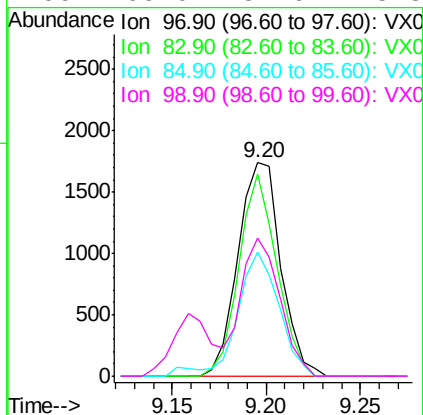
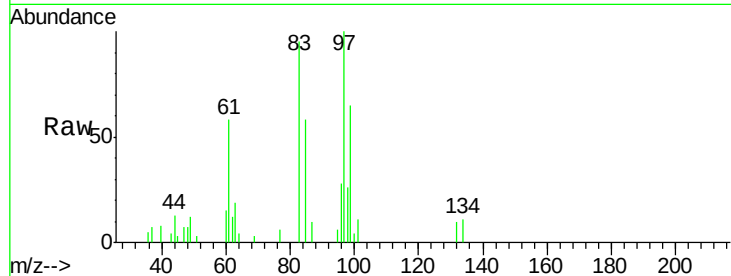
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	97	Resp:	2745
Ion	Ratio	Lower	Upper
97	100		
83	95.0	67.8	101.8
85	58.2	45.7	68.5
99	65.0	52.6	78.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 2.276 ug/l

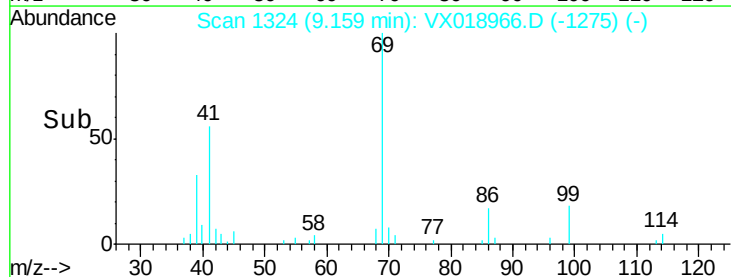
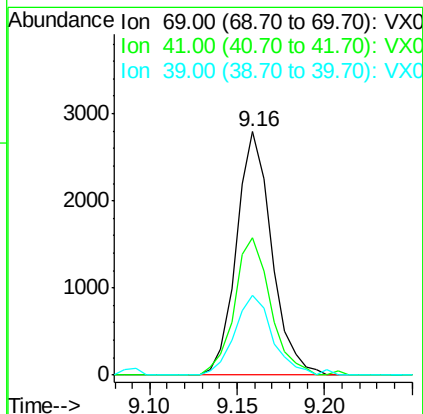
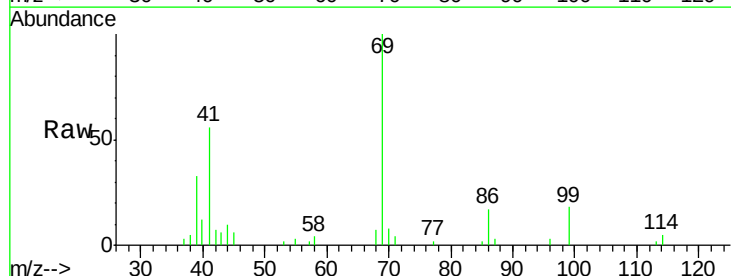
RT: 9.16 min Scan# 1324

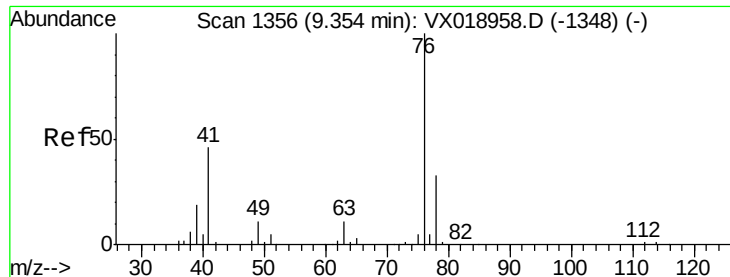
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	69	Resp:	3905
Ion	Ratio	Lower	Upper
69	100		
41	57.8	43.4	65.2
39	35.8	25.0	37.4





#57

1,3-Dichloropropane

Concen: 2.353 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 76 Resp: 4420

Ion Ratio Lower Upper

76 100

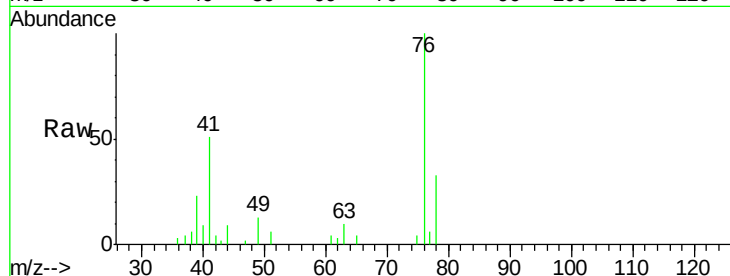
78 34.3 26.2 39.4

Manual Integrations

APPROVED

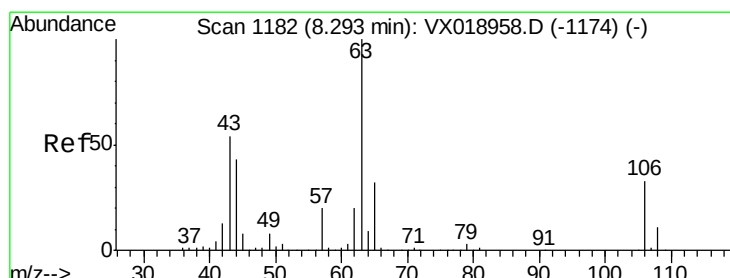
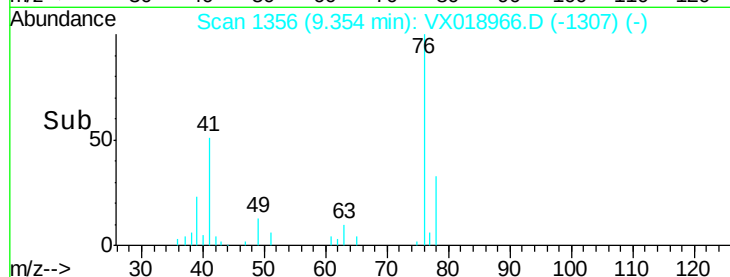
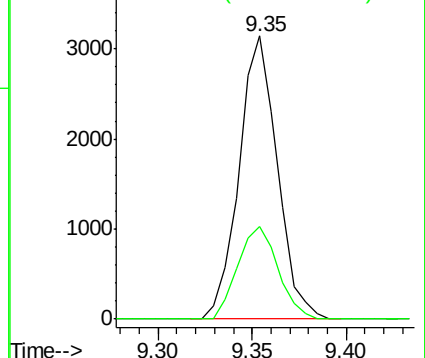
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 10.816 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX018966.D

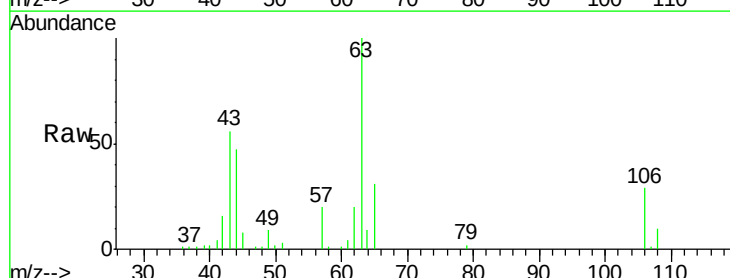
Acq: 19 Oct 2020 21:23

Tgt Ion: 63 Resp: 10244

Ion Ratio Lower Upper

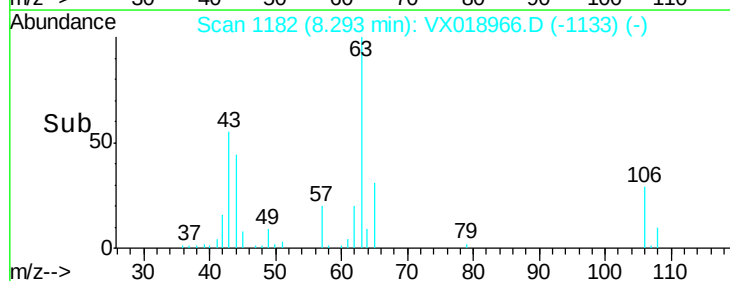
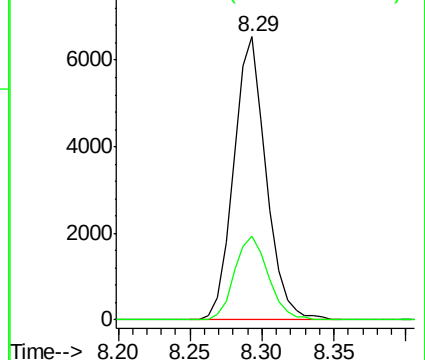
63 100

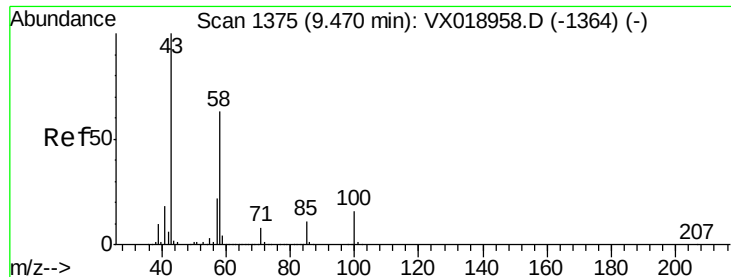
106 30.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





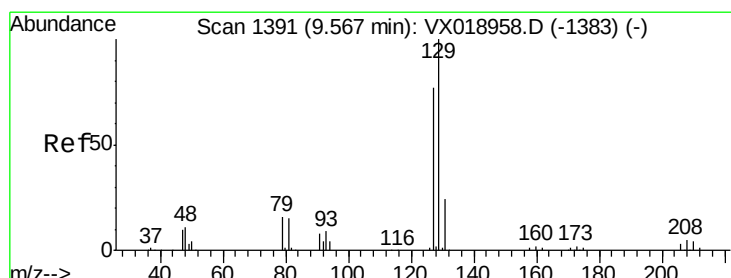
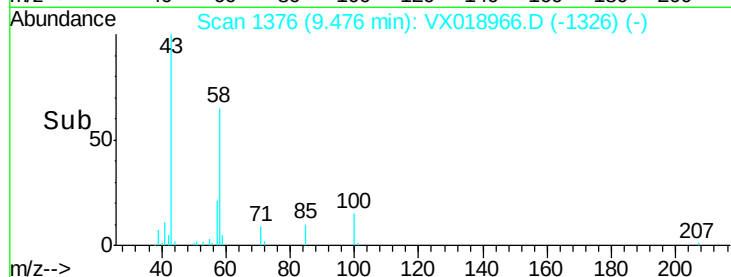
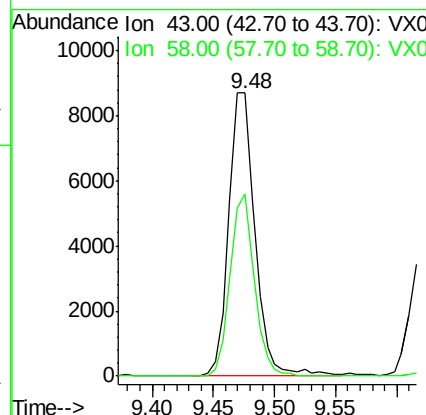
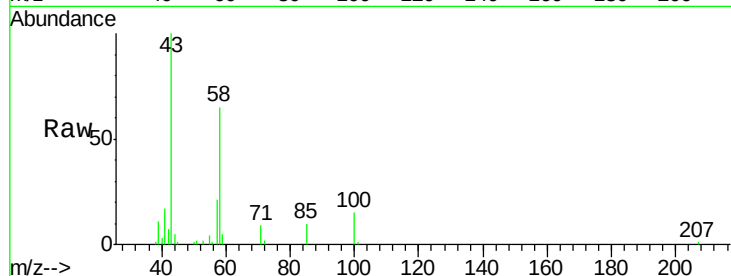
#59
2-Hexanone
Concen: 12.052 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion: 43 Resp: 12975
Ion Ratio Lower Upper
43 100
58 59.0 31.7 95.1

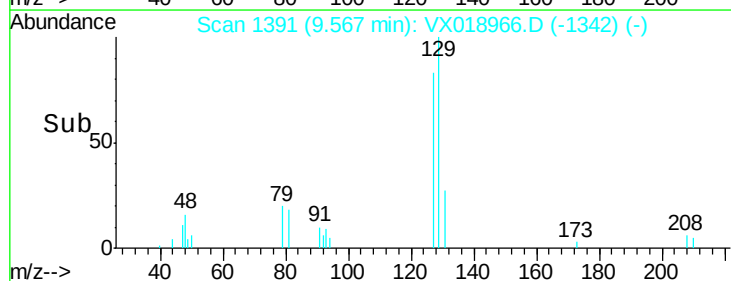
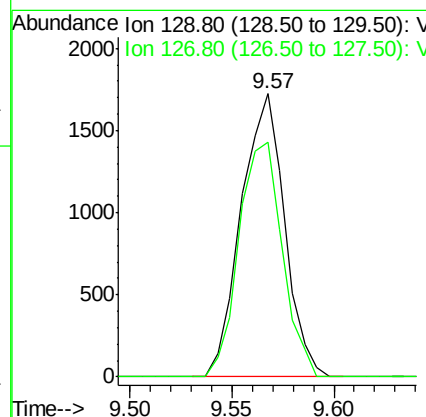
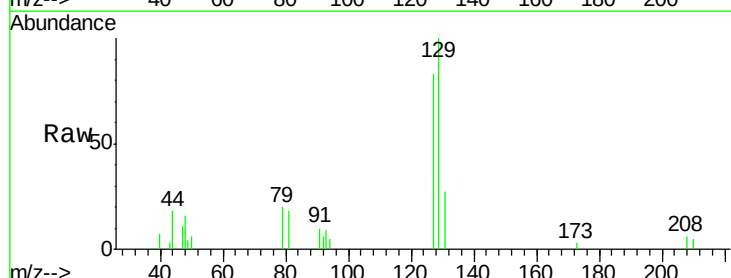
Manual Integrations
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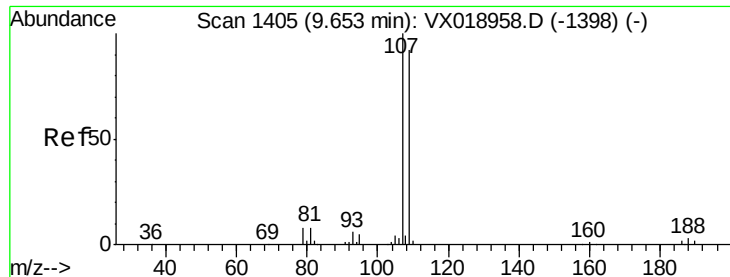
MMDadoda
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#60
Dibromochloromethane
Concen: 2.056 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion: 129 Resp: 2543
Ion Ratio Lower Upper
129 100
127 82.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 2.253 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 107 Resp: 2728

Ion Ratio Lower Upper

107 100

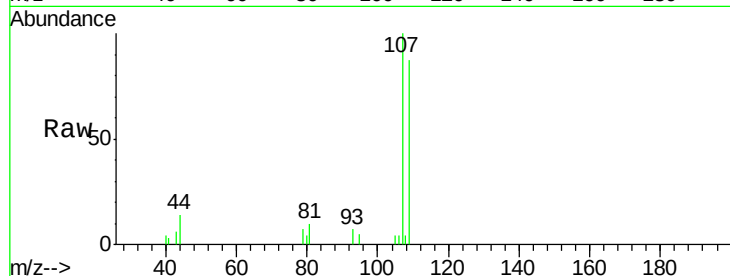
109 91.8 75.2 112.8

Manual Integrations

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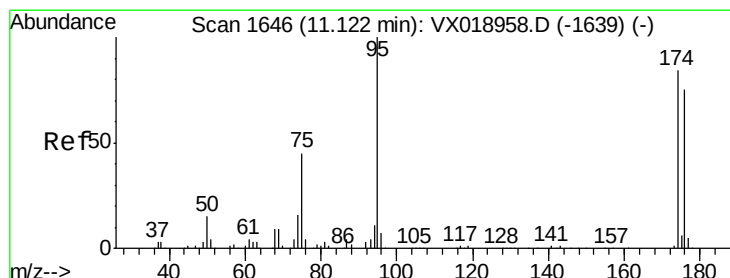
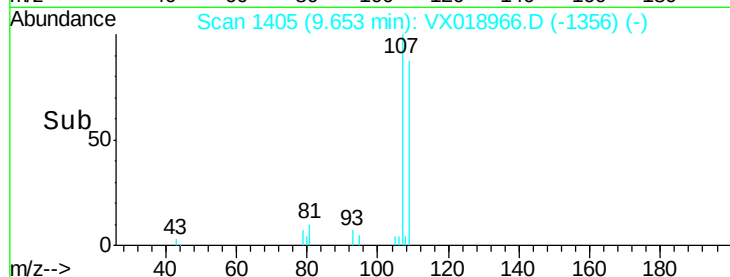
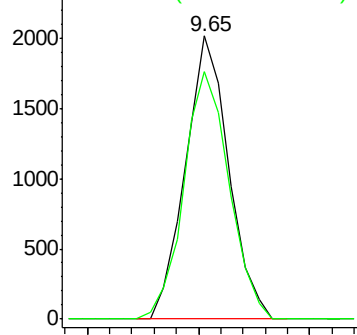
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.198 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

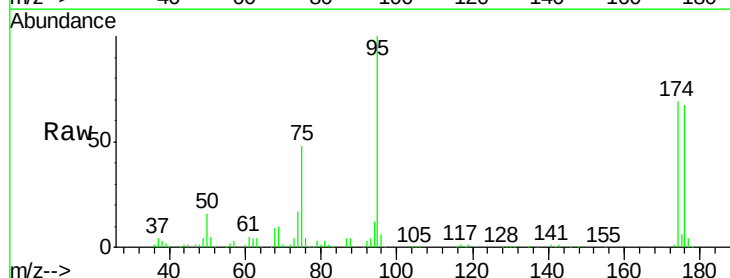
Tgt Ion: 95 Resp: 60591

Ion Ratio Lower Upper

95 100

174 71.9 0.0 164.6

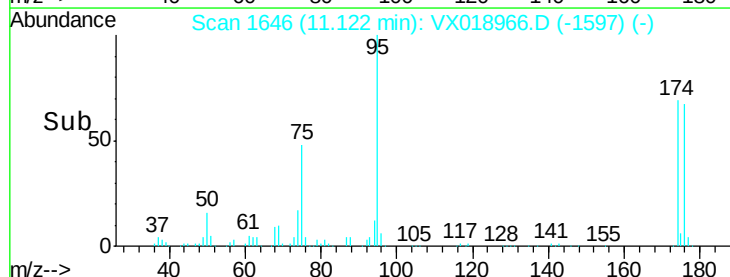
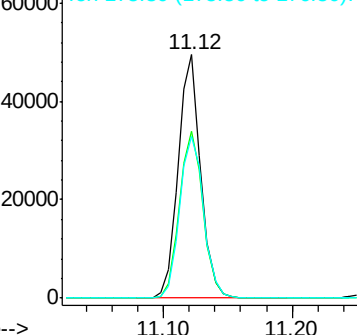
176 70.6 0.0 154.6

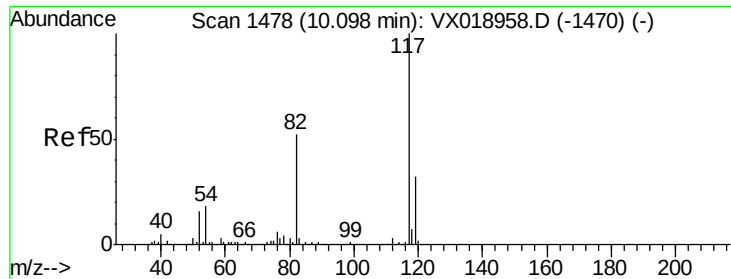


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





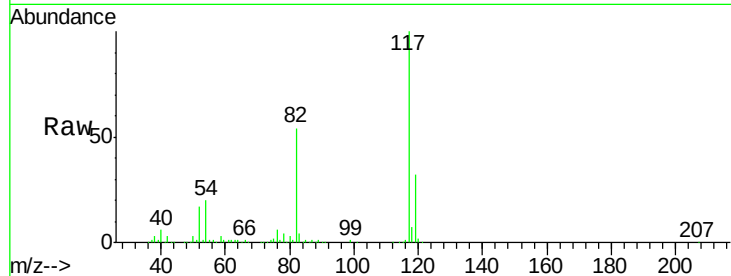
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

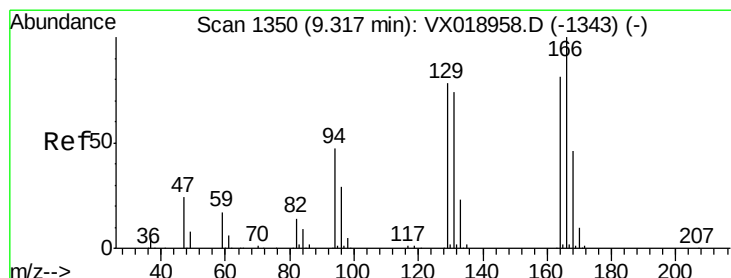
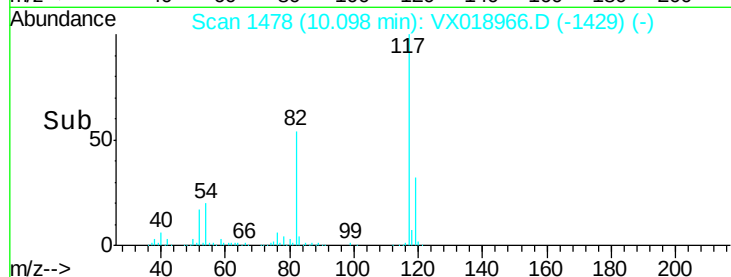
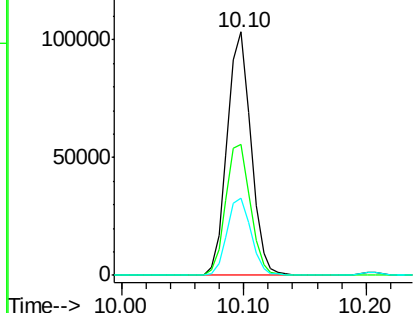
Tot Ion	Ratio	Resp	Lower	Upper
117	100	139066		
82	53.9		41.6	62.4
119	31.6		25.4	38.2

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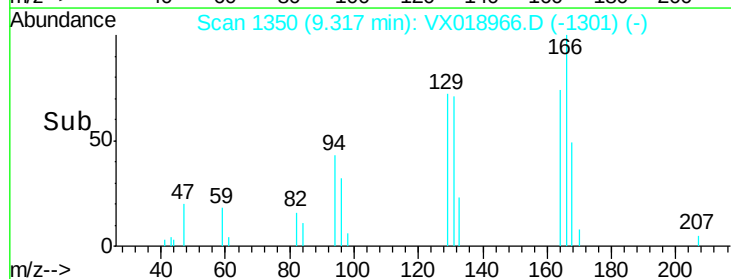
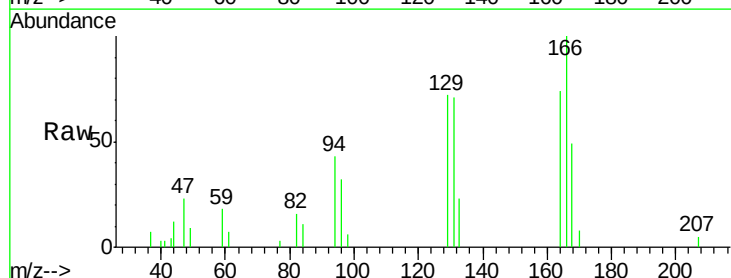
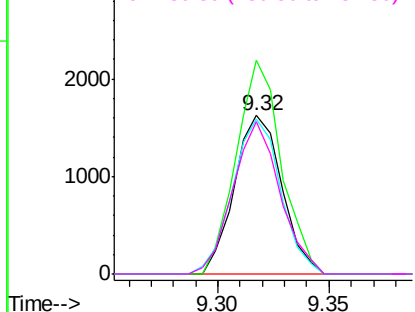
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

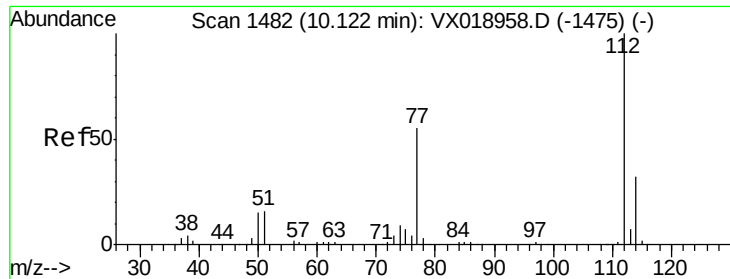


#64
Tetrachloroethene
Concen: 2.452 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2409		
166	135.0		98.9	148.3
129	97.6		77.0	115.4
131	96.5		73.0	109.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





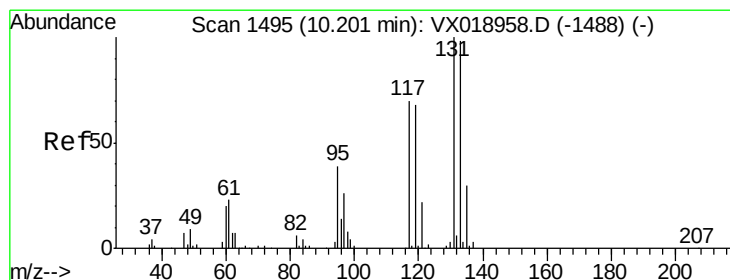
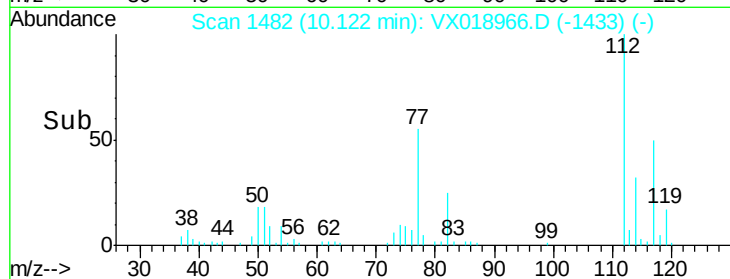
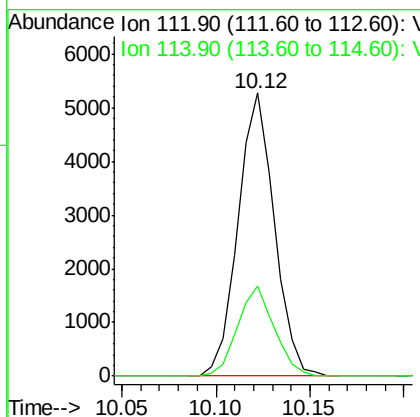
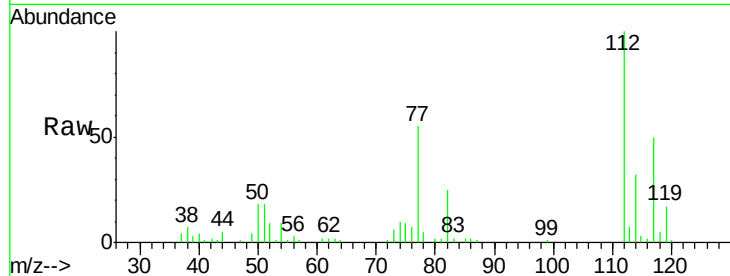
#65
Chlorobenzene
Concen: 2.419 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion:112 Resp: 7039
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

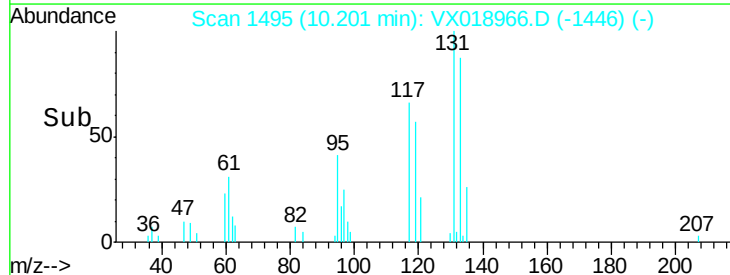
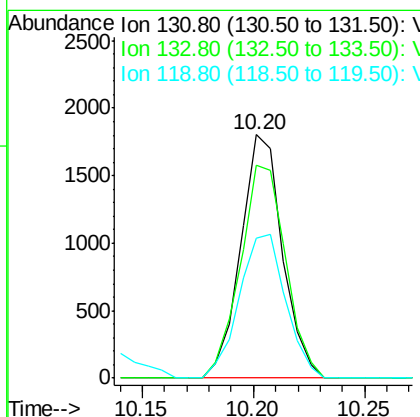
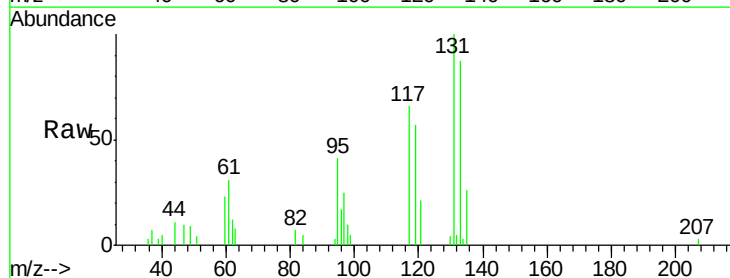
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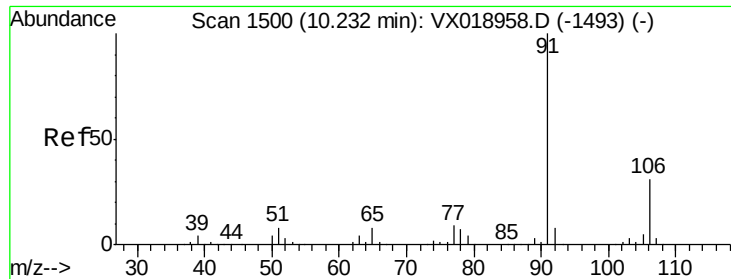
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.215 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion:131 Resp: 2365
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 65.5 33.5 100.4





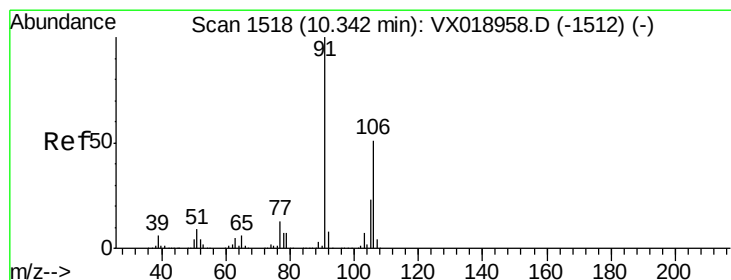
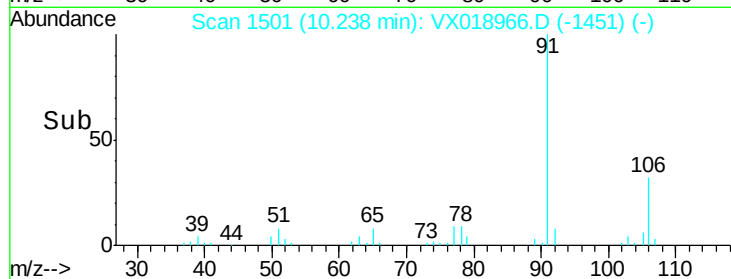
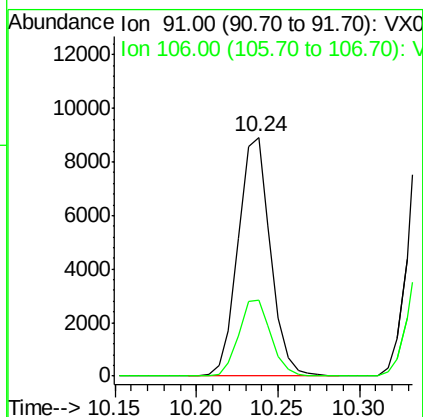
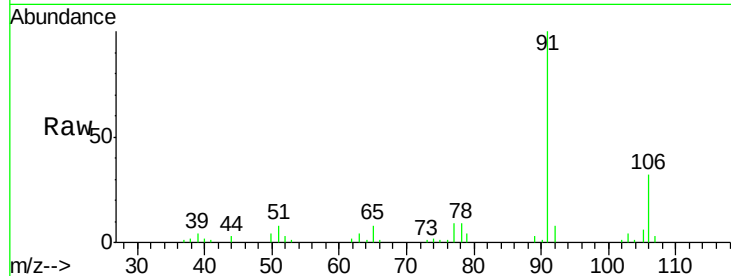
#67
Ethyl Benzene
Concen: 2.432 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion: 91 Resp: 12289
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1

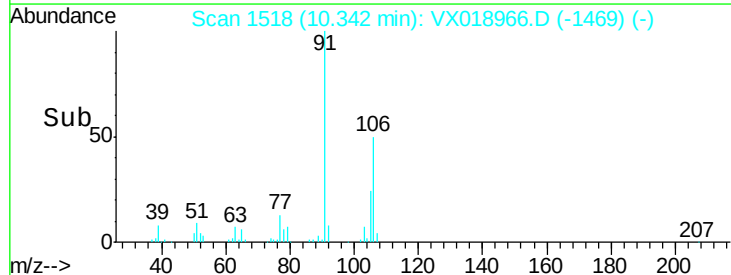
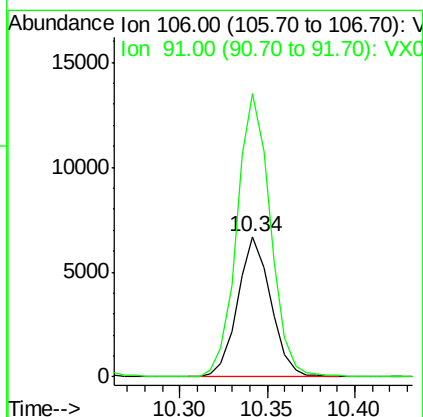
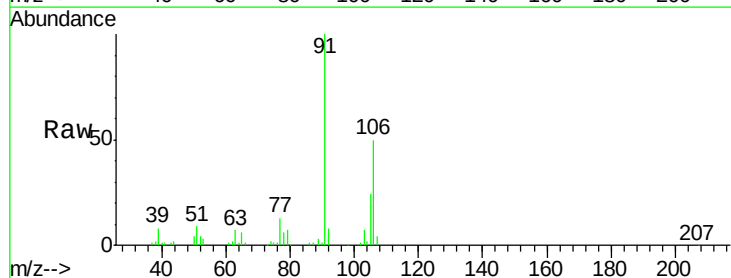
Manual Integrations
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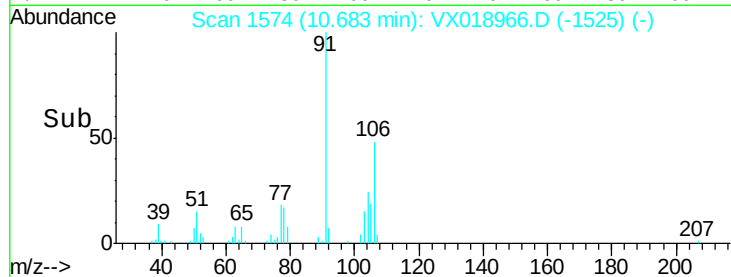
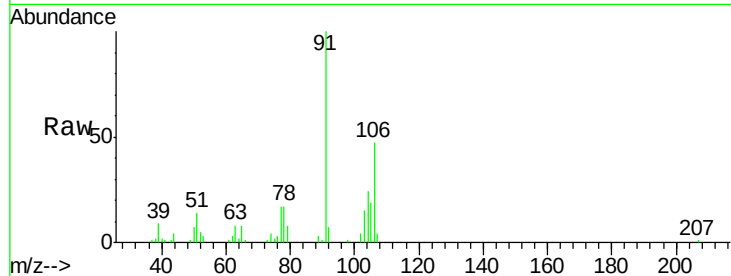
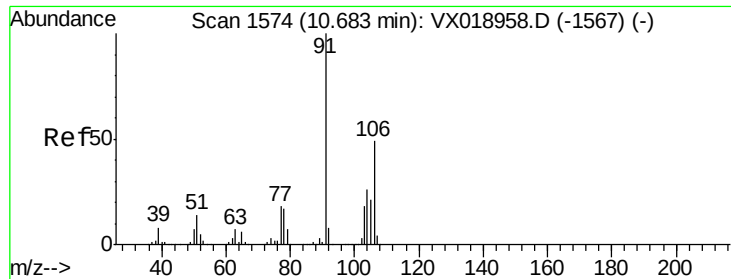
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#68
m/p-Xylenes
Concen: 4.510 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion: 106 Resp: 8830
Ion Ratio Lower Upper
106 100
91 204.0 156.7 235.1





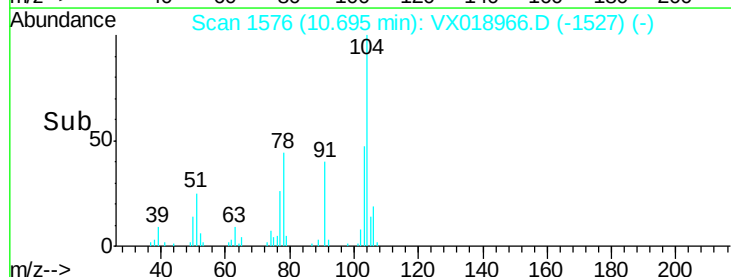
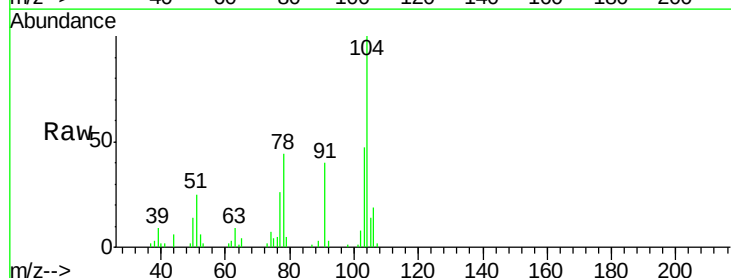
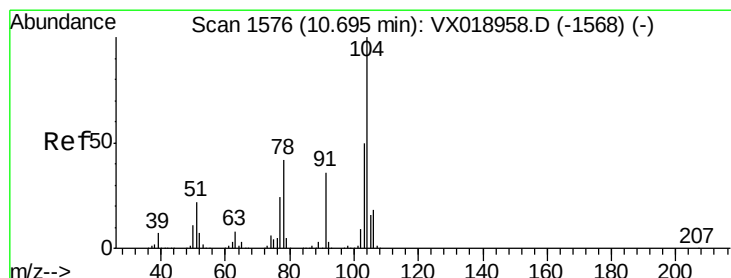
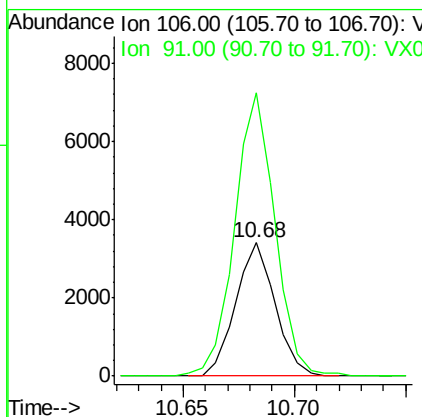
#69
o-Xylene
Concen: 2.220 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion:106 Resp: 4194
Ion Ratio Lower Upper
106 100
91 217.0 102.4 307.1

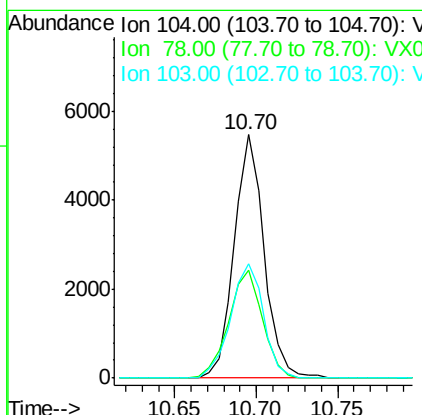
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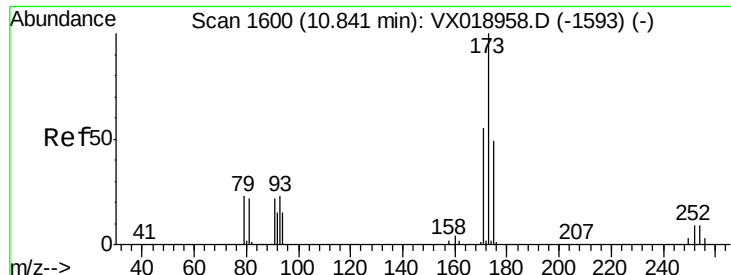
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#70
Styrene
Concen: 2.193 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion:104 Resp: 6968
Ion Ratio Lower Upper
104 100
78 50.2 37.9 56.9
103 51.7 43.7 65.5





#71

Bromoform

Concen: 2.038 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:173 Resp: 1743

Ion Ratio Lower Upper

173 100

175 47.1 23.7 71.1

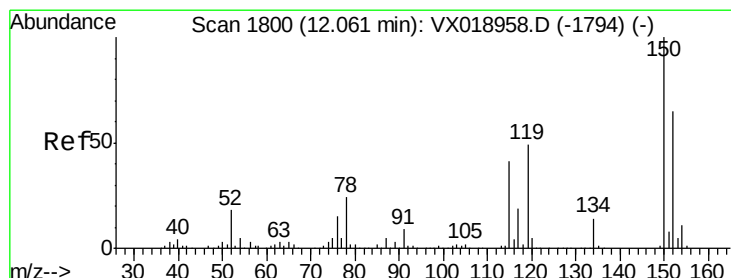
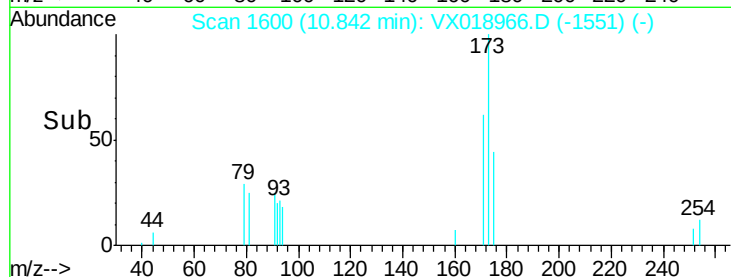
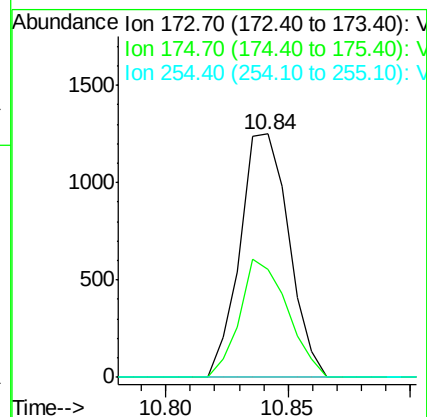
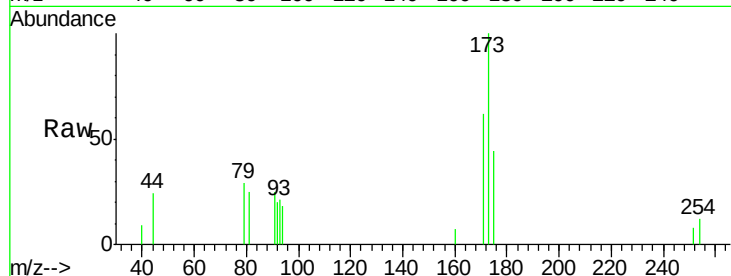
254 0.0 0.0 0.0

Manual Integrations

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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: VX018966.D

Acq: 19 Oct 2020 21:23

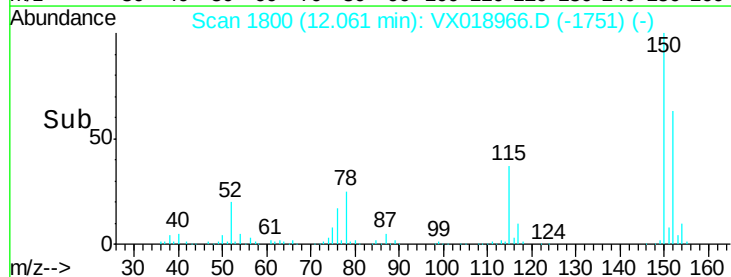
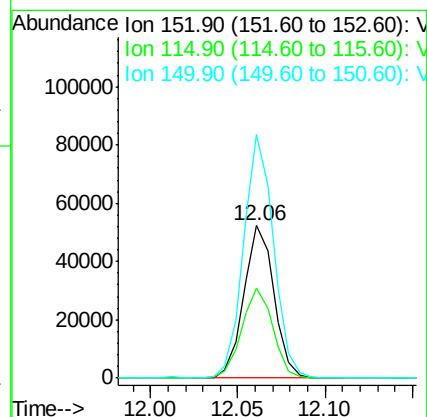
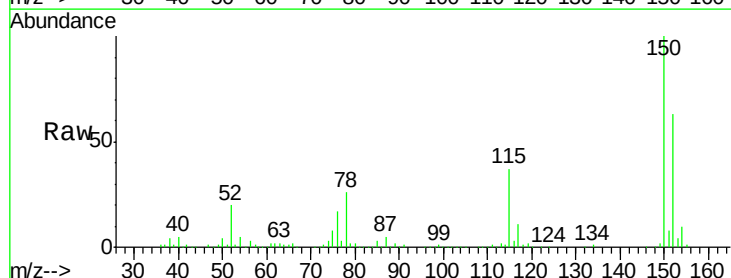
Tgt Ion:152 Resp: 62744

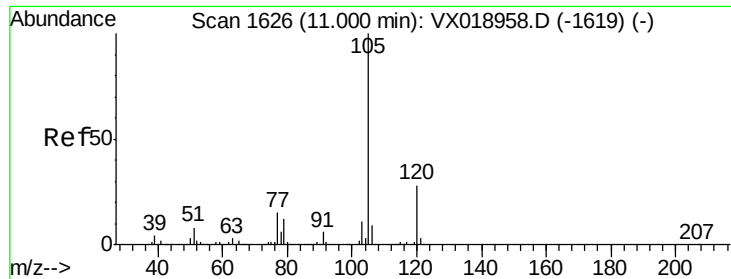
Ion Ratio Lower Upper

152 100

115 60.6 40.8 122.2

150 158.9 0.0 352.0





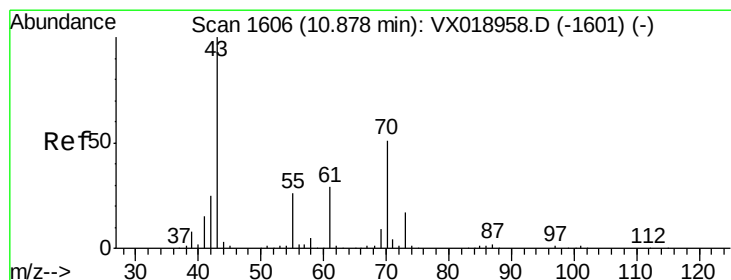
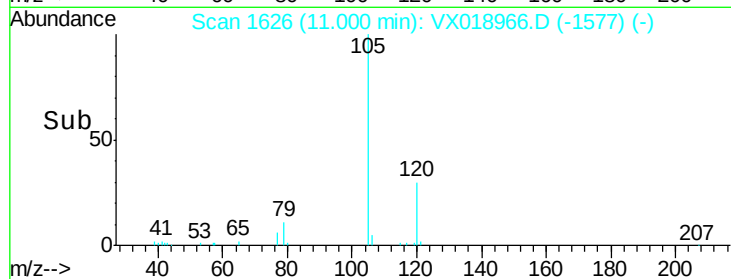
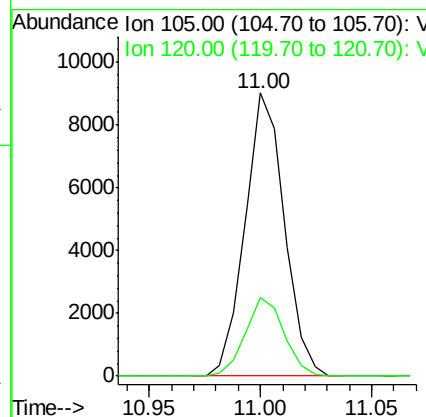
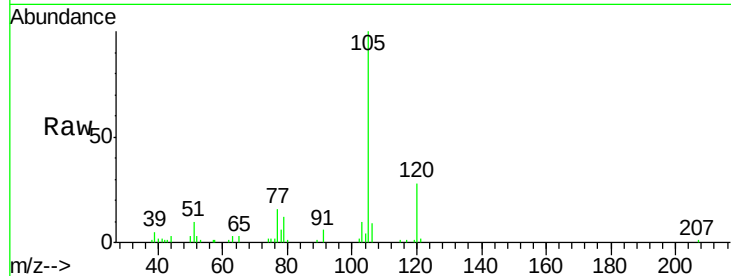
#73
Isopropylbenzene
Concen: 2.449 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.9	41.7

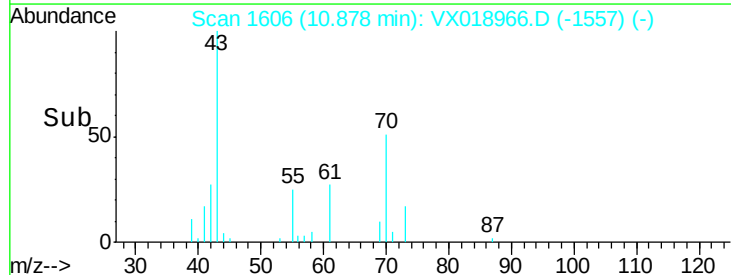
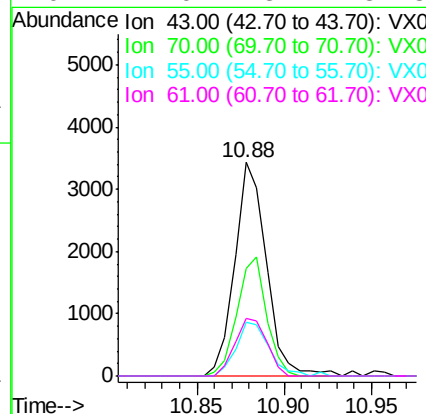
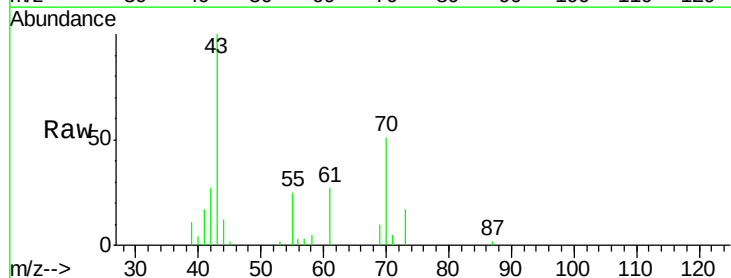
Manual Integrations
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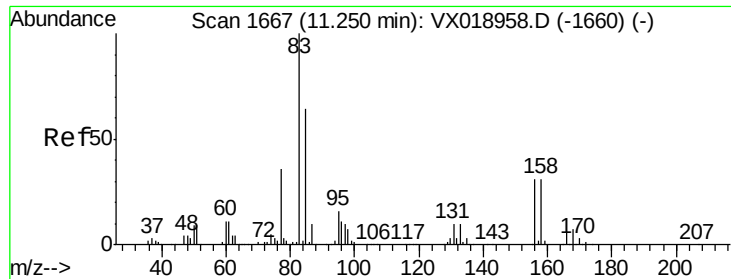
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#74
N-ethyl acetate
Concen: 2.530 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.9	42.4	63.6
55	26.6	21.0	31.6
61	27.0	23.2	34.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.534 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

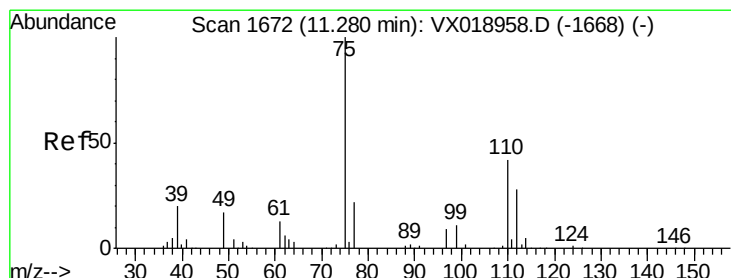
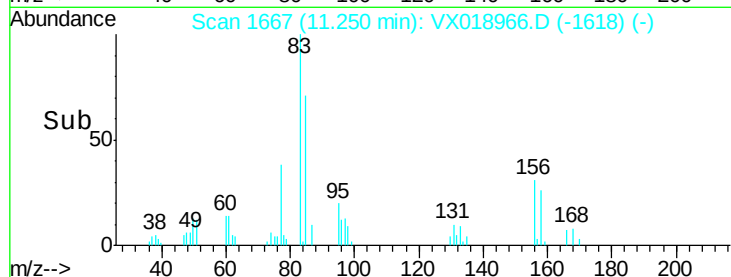
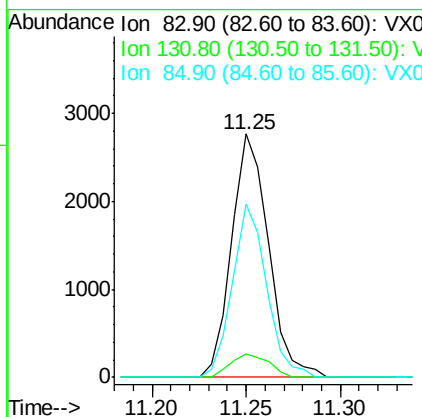
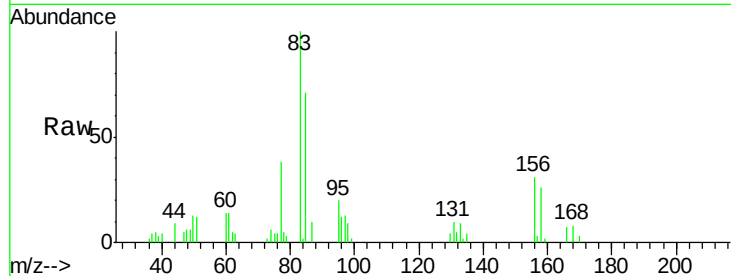
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	83	Resp:	3754
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.9
85	66.0	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 2.561 ug/l m

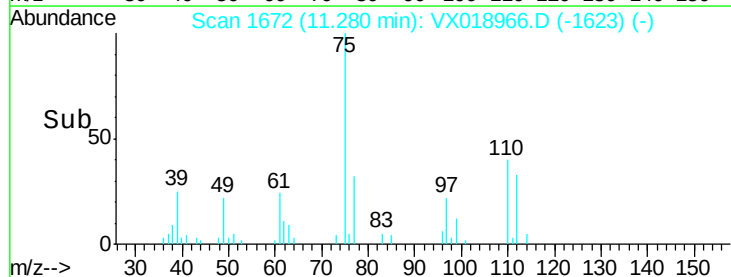
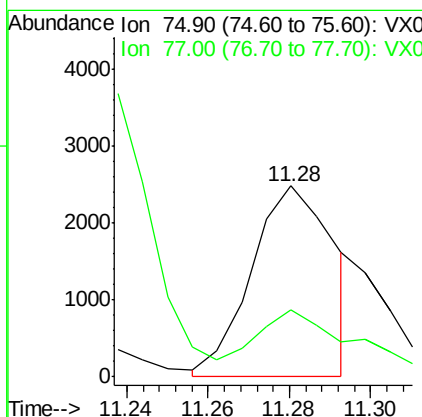
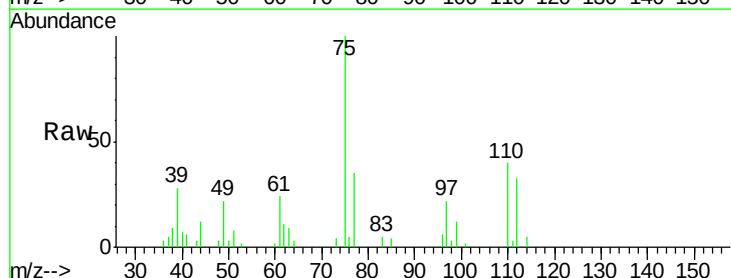
RT: 11.28 min Scan# 1672

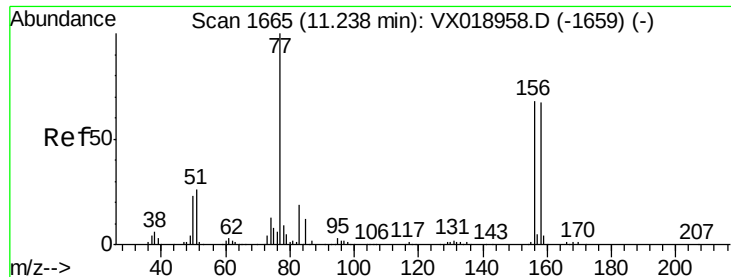
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	75	Resp:	3492
Ion Ratio	Lower	Upper	
75	100		
77	42.0	21.1	63.1





#77

Bromobenzene

Concen: 2.426 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

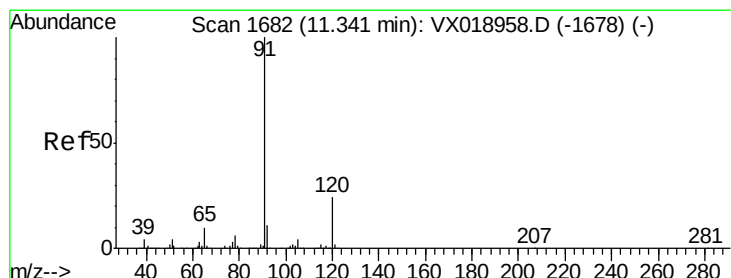
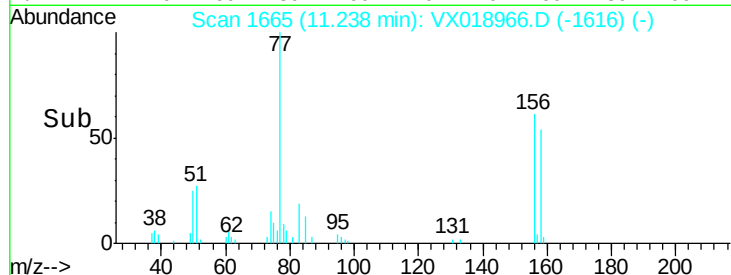
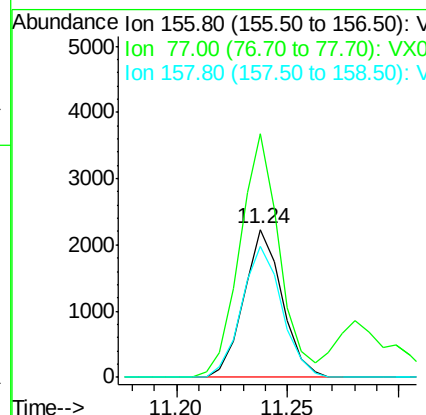
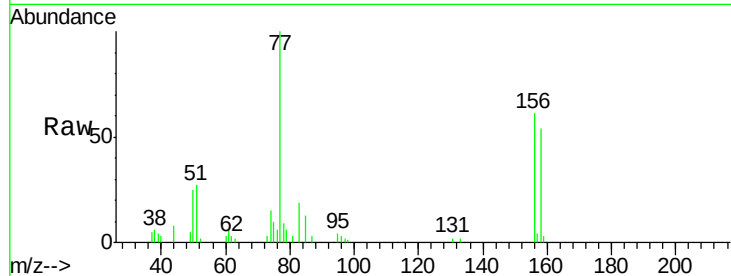
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.3	77.4	232.2
158	93.0	50.6	151.9

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#78

n-propylbenzene

Concen: 2.471 ug/l

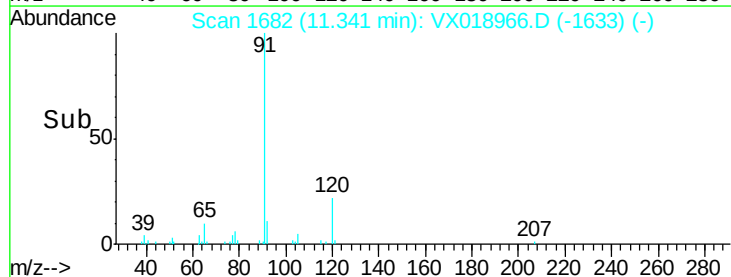
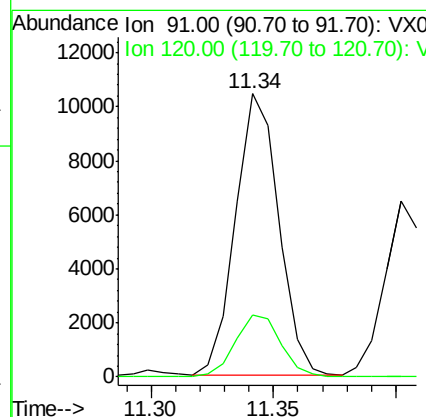
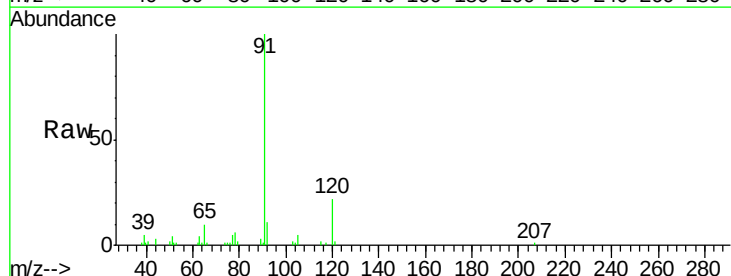
RT: 11.34 min Scan# 1682

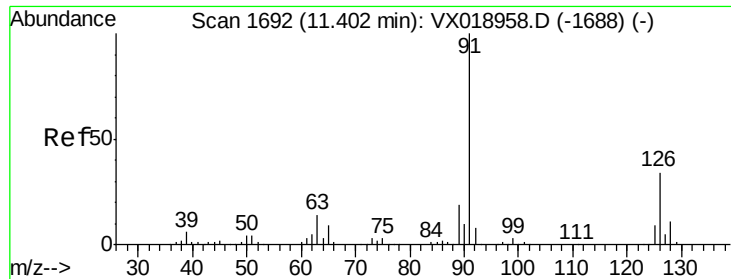
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.2	36.4





#79

2-Chlorotoluene

Concen: 2.647 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion: 91 Resp: 8031

Ion Ratio Lower Upper

91 100

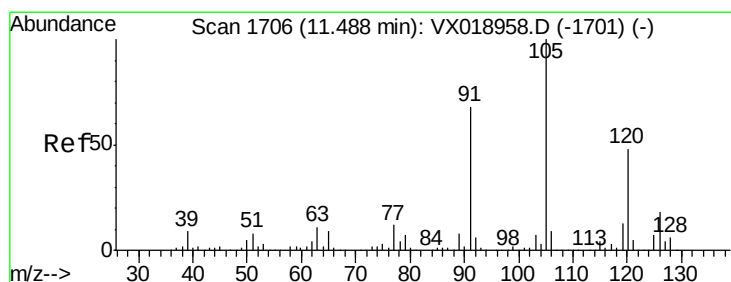
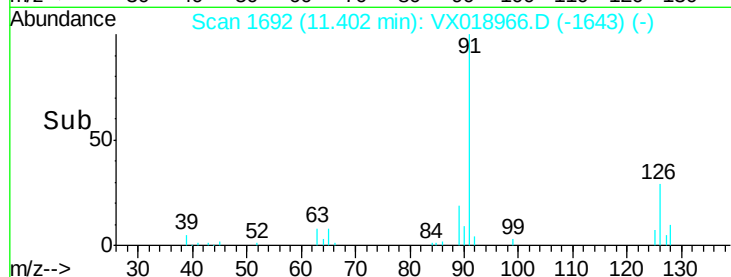
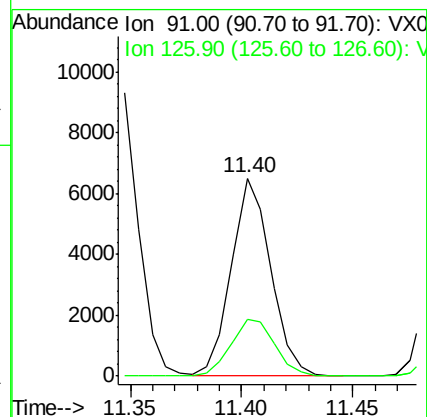
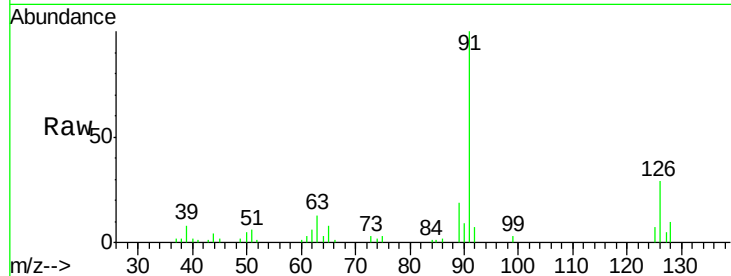
126 31.4 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 2.379 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX018966.D

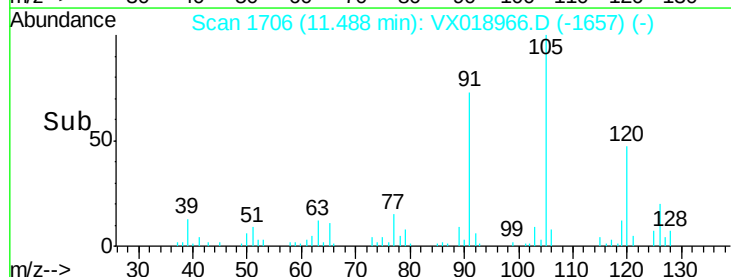
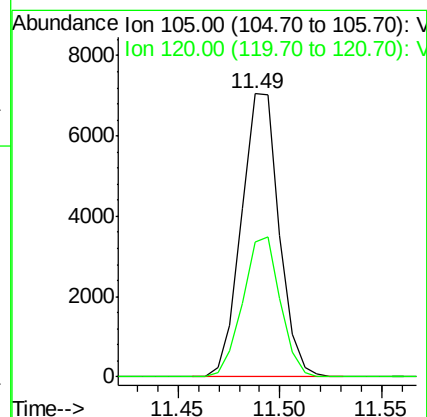
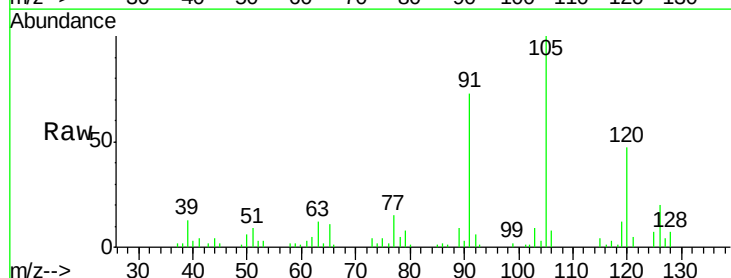
Acq: 19 Oct 2020 21:23

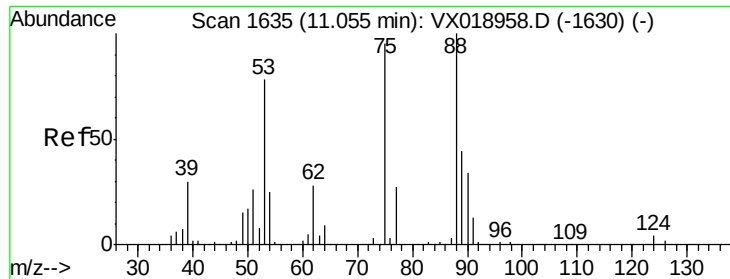
Tgt Ion: 105 Resp: 9027

Ion Ratio Lower Upper

105 100

120 49.2 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 2.235 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

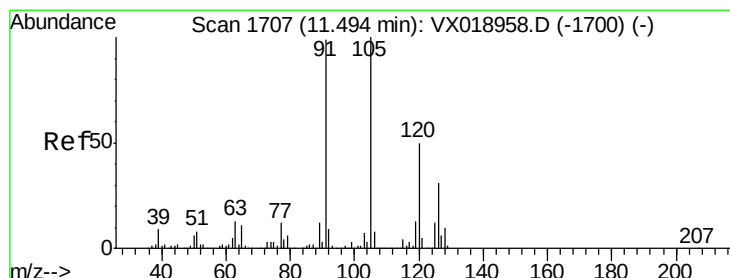
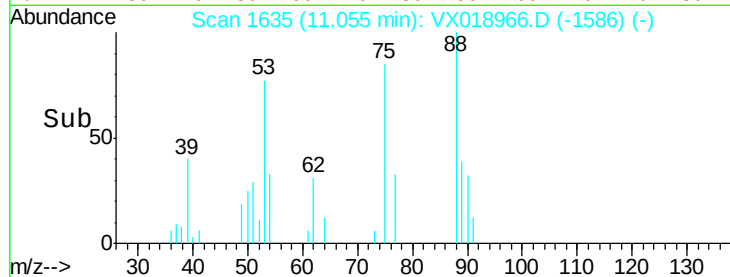
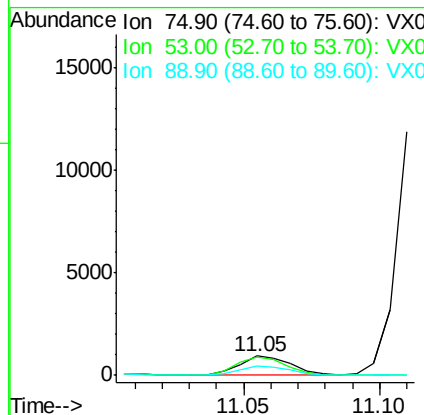
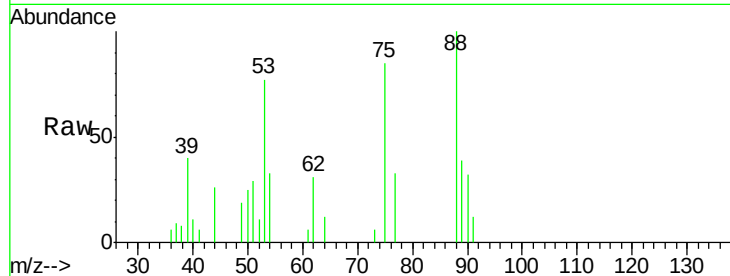
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	75	Resp:	1210
Ion Ratio	Lower	Upper	
75	100		
53	90.7	64.2	96.2
89	47.0	38.6	58.0

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#82

4-Chlorotoluene

Concen: 2.466 ug/l

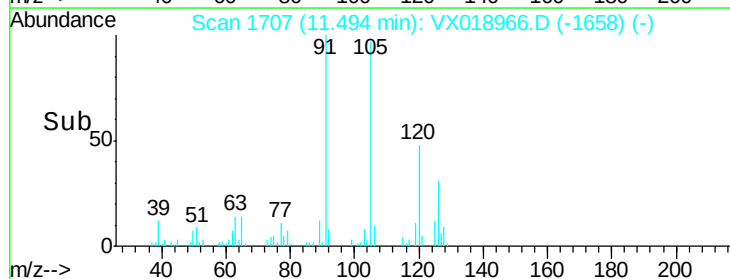
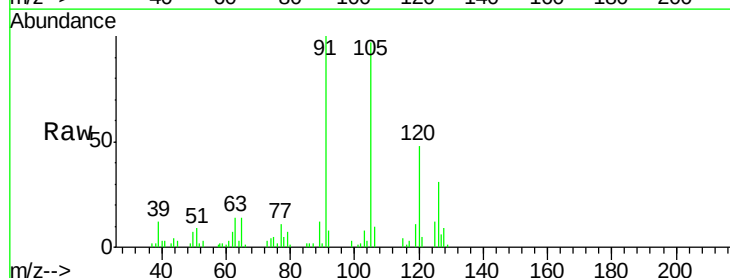
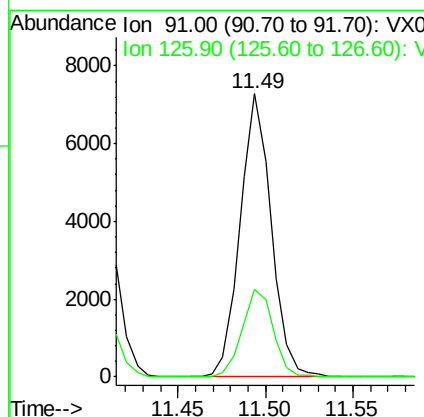
RT: 11.49 min Scan# 1707

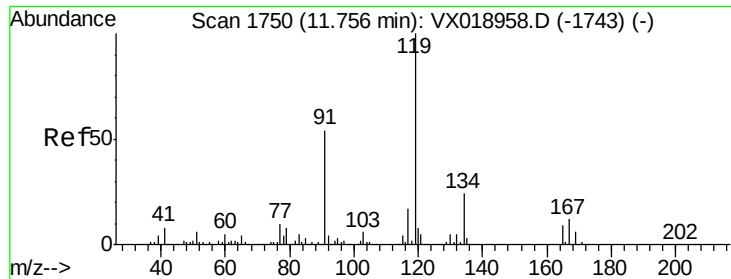
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	91	Resp:	8990
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.8	47.4





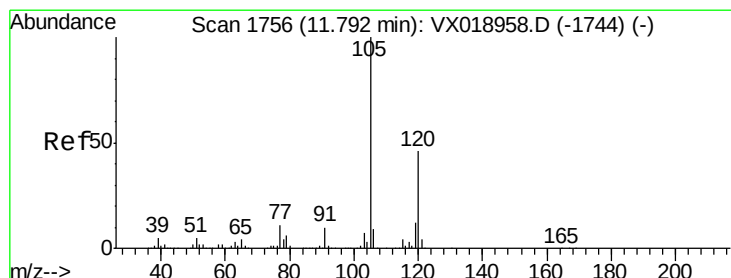
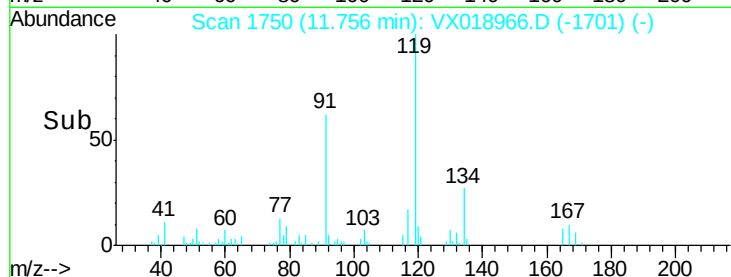
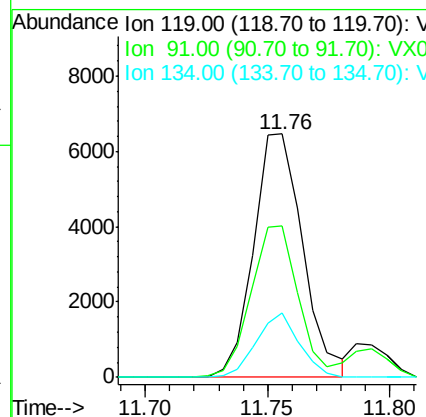
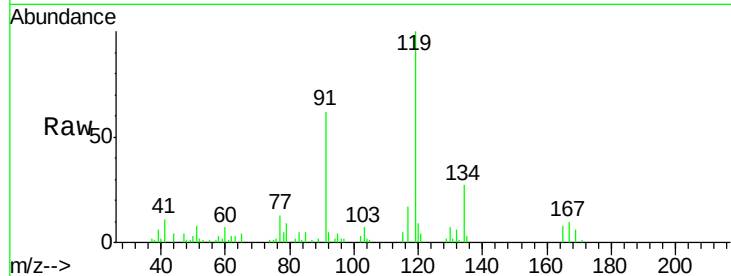
#83
 tert-Butylbenzene
 Concen: 2.387 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	9040		
91	59.6		27.2	81.6
134	23.3		11.8	35.4

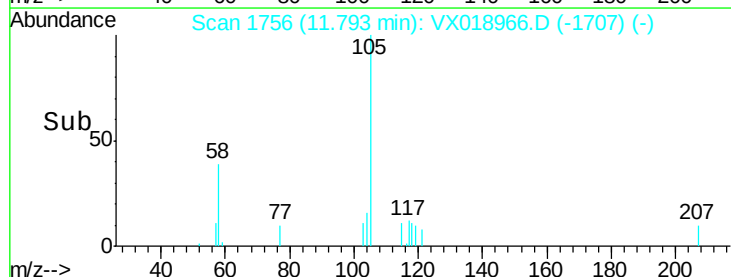
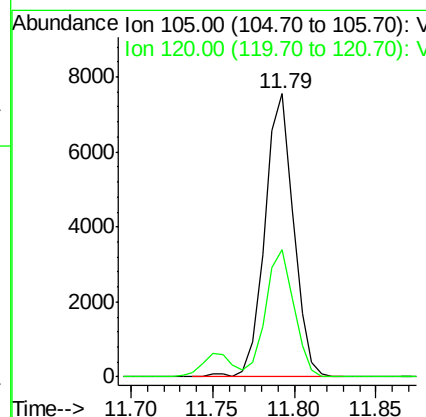
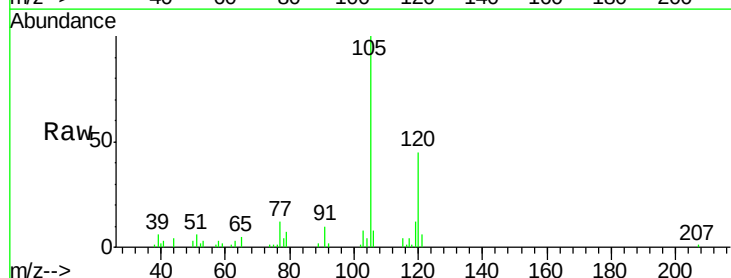
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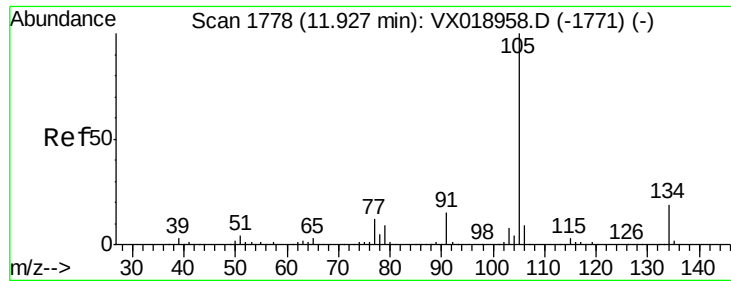
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.436 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	9234		
120	44.2		22.9	68.5





#85

sec-Butylbenzene

Concen: 2.392 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:105 Resp: 10655

Ion Ratio Lower Upper

105 100

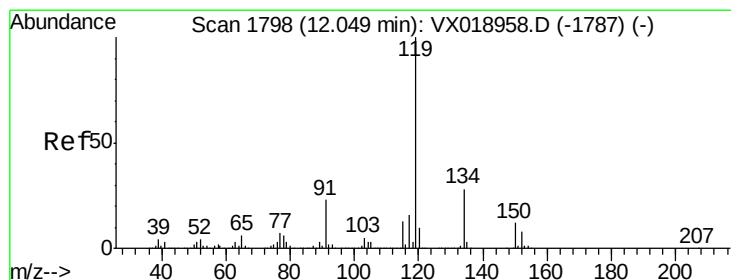
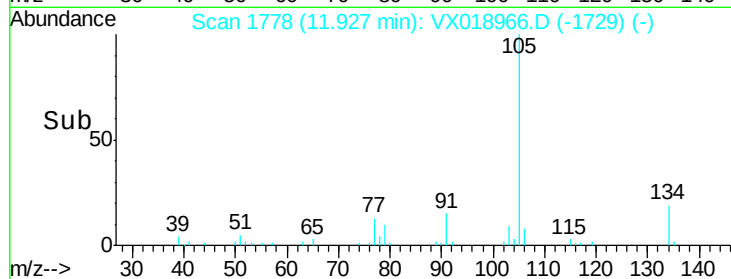
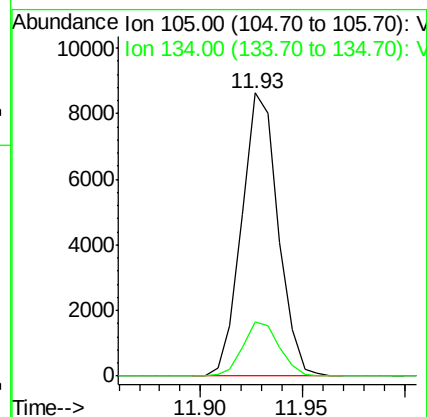
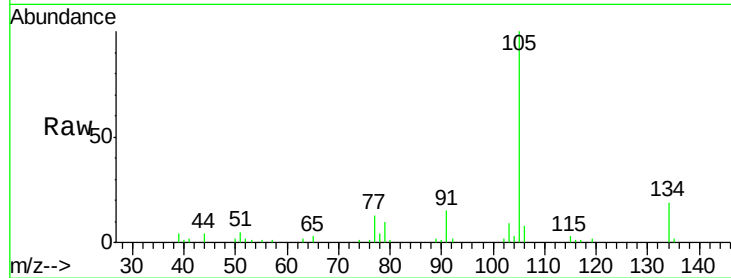
134 19.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 2.334 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

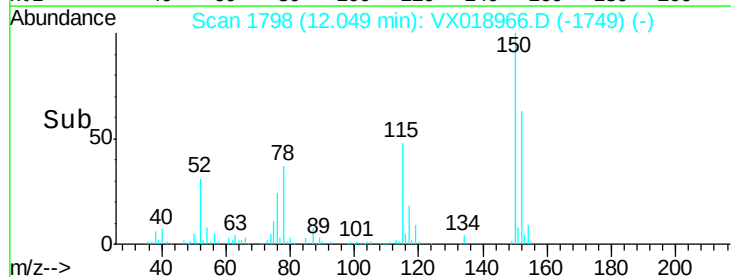
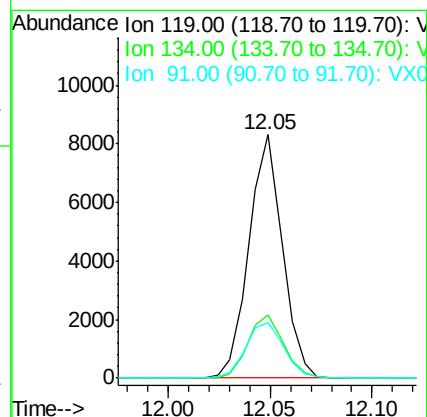
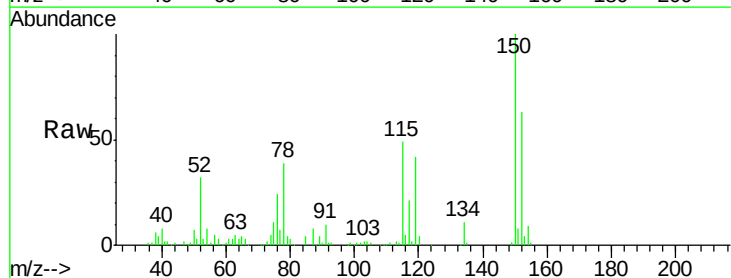
Tgt Ion:119 Resp: 9508

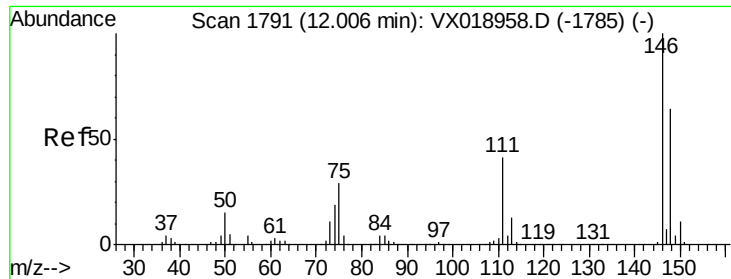
Ion Ratio Lower Upper

119 100

134 27.5 13.8 41.4

91 25.8 11.5 34.5





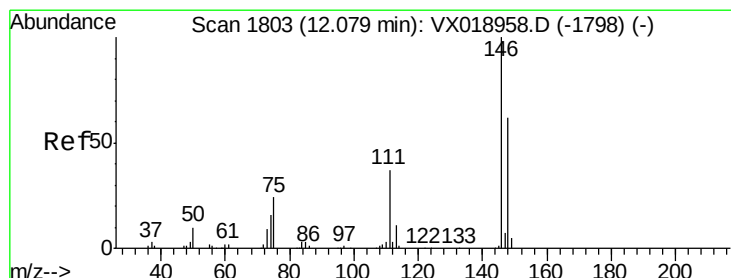
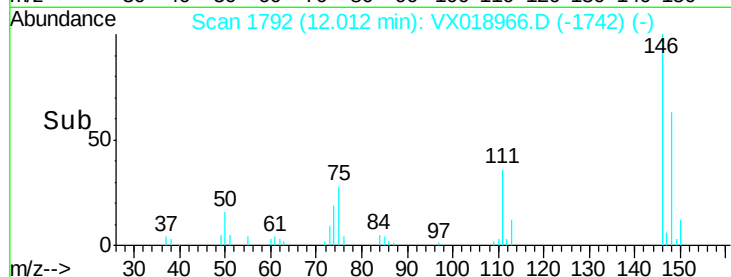
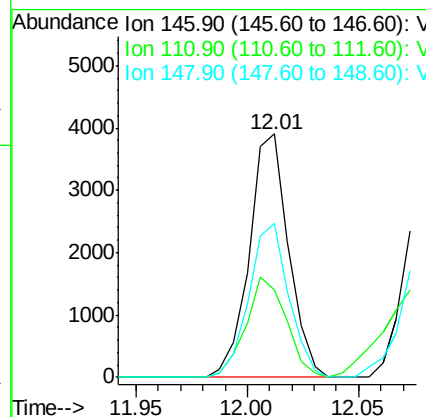
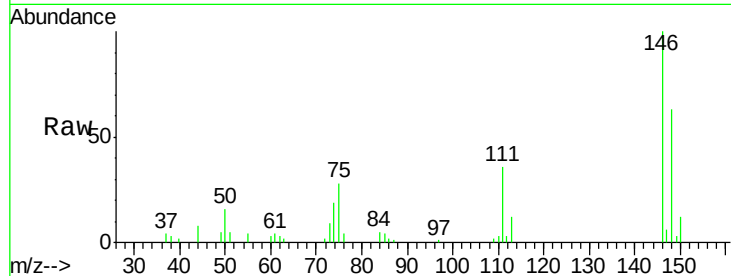
#87
 1,3-Dichlorobenzene
 Concen: 2.333 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	19.8	59.4
148	64.0	32.4	97.2

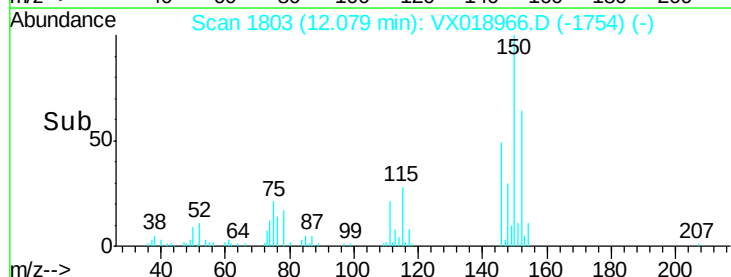
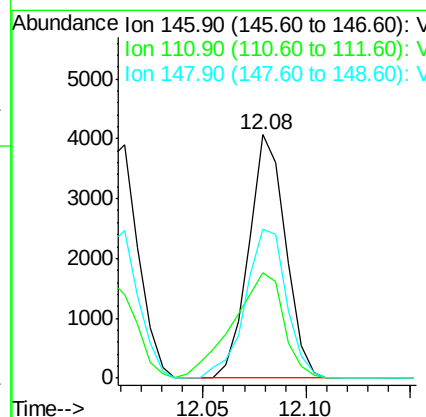
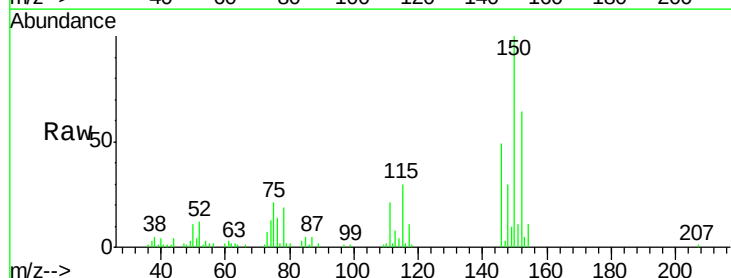
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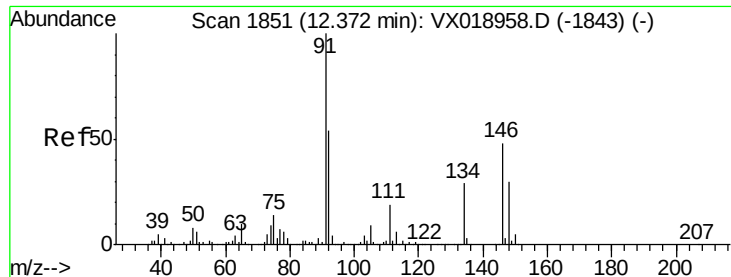
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#88
 1,4-Dichlorobenzene
 Concen: 2.338 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.8	56.3
148	61.4	31.7	95.1





#89

n-Butylbenzene

Concen: 2.343 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Instrument :

MSVOA_X

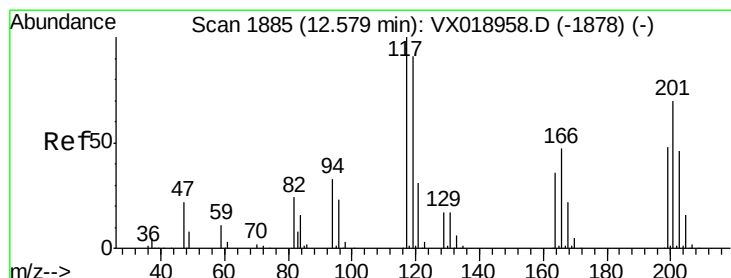
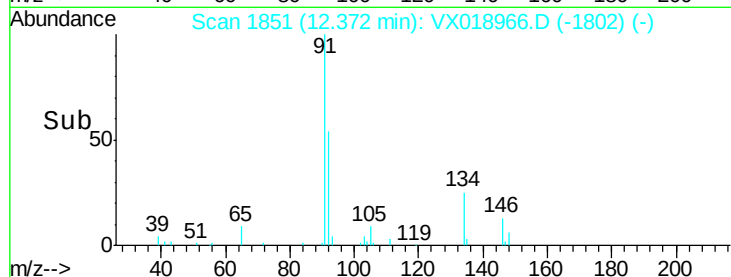
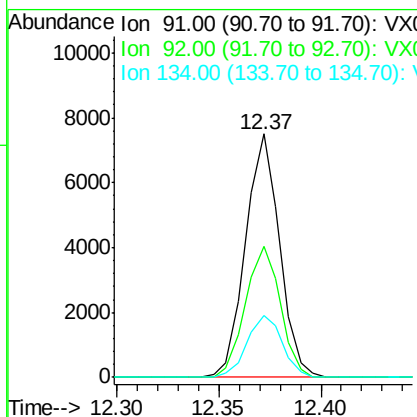
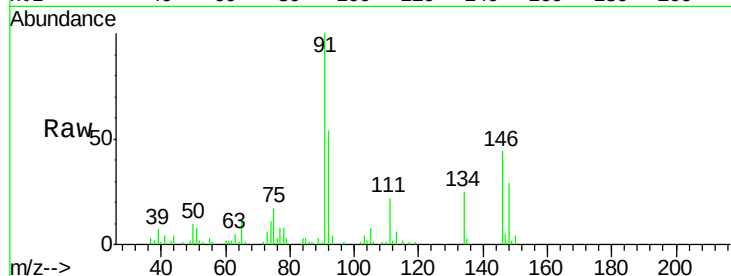
ClientSampleId :

LOD-MDL-WATER-01-QT4-2020

Tot Ion:	91	Resp:	8698
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	26.1	14.2	42.6

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#90

Hexachloroethane

Concen: 2.287 ug/l

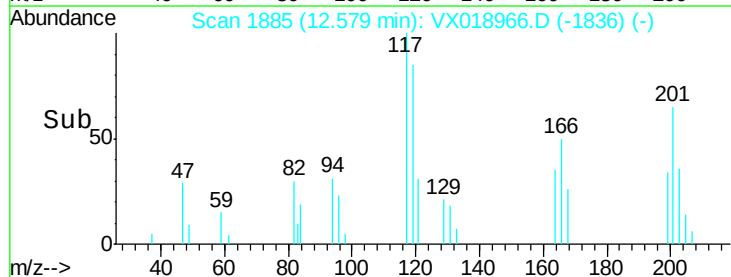
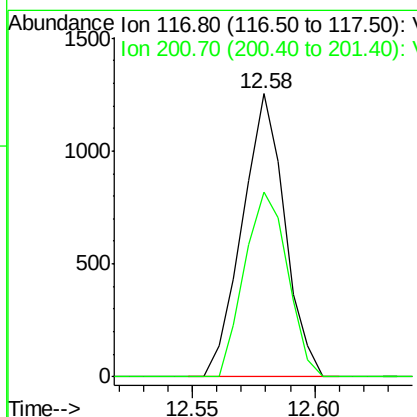
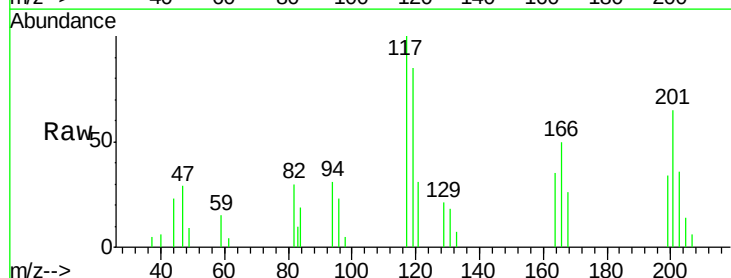
RT: 12.58 min Scan# 1885

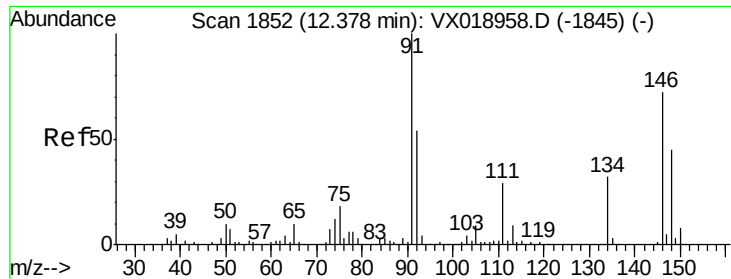
Delta R.T. 0.00 min

Lab File: VX018966.D

Acq: 19 Oct 2020 21:23

Tgt Ion:	117	Resp:	1520
Ion	Ratio	Lower	Upper
117	100		
201	66.3	36.9	110.7





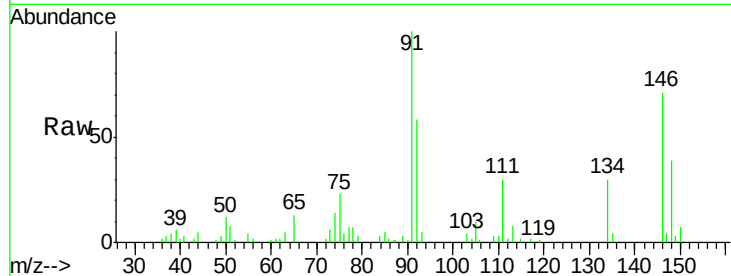
#91
 1,2-Dichlorobenzene
 Concen: 2.336 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

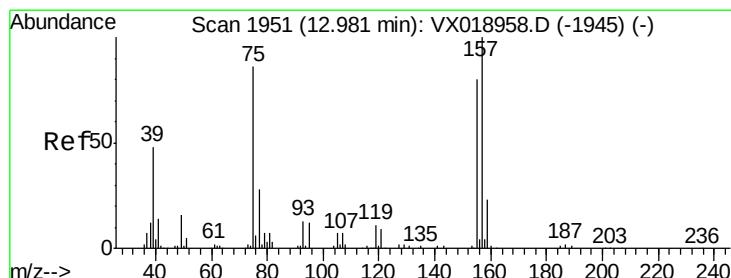
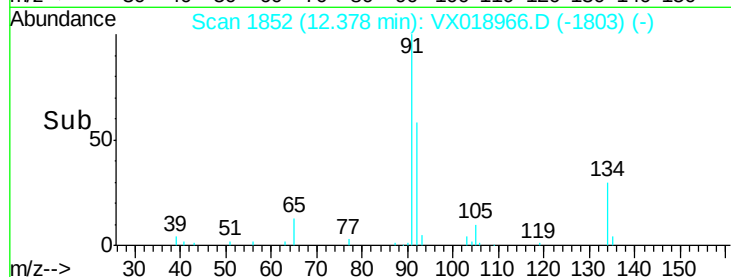
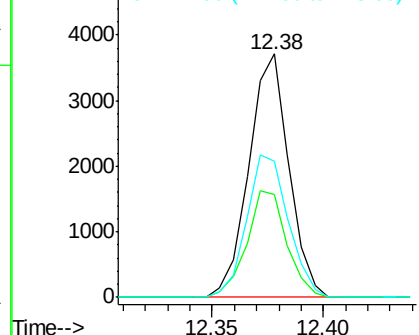
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.2	60.6
148	61.1	31.4	94.0

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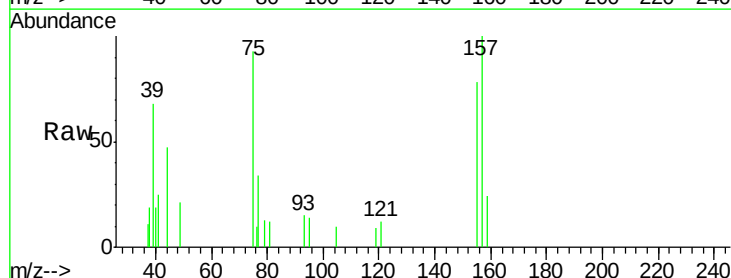


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

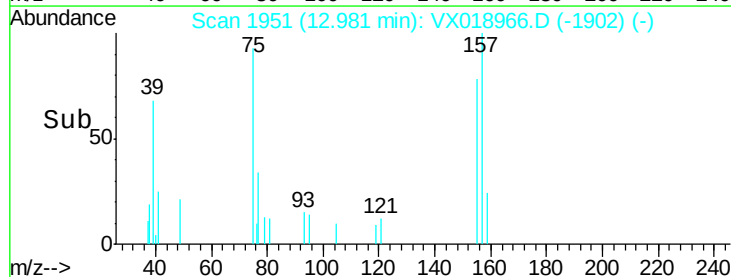
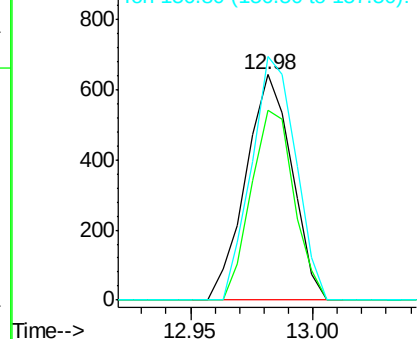


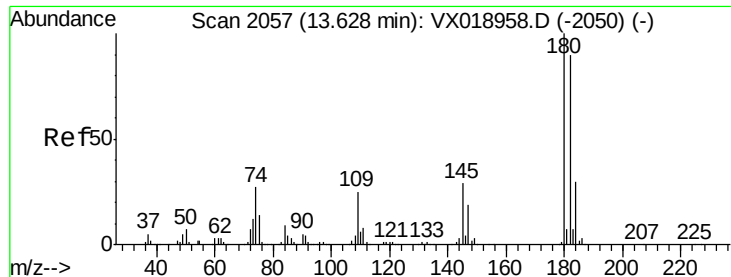
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.515 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	48.2	144.6
157	103.8	62.2	186.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





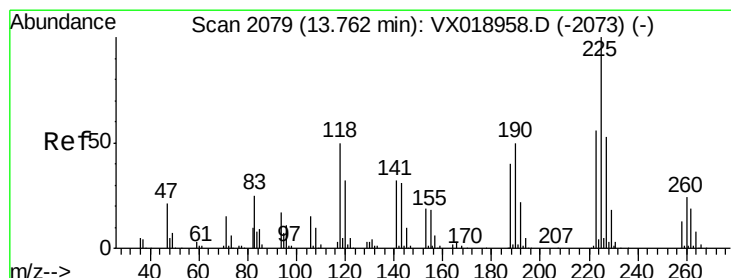
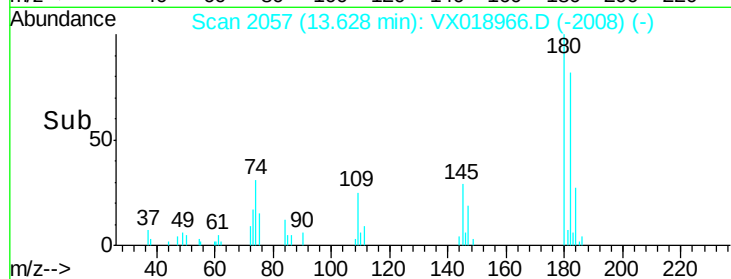
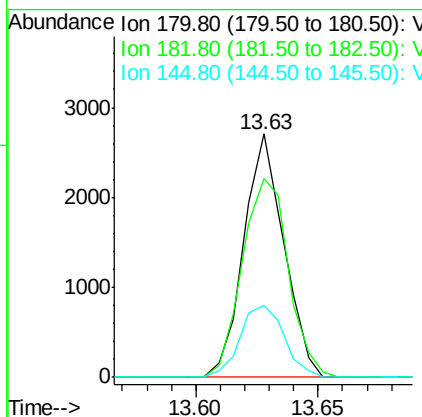
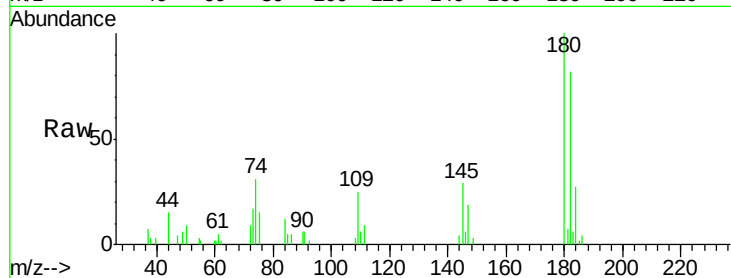
#93
 1,2,4-Trichlorobenzene
 Concen: 2.240 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.3	138.9
145	32.5	15.5	46.5

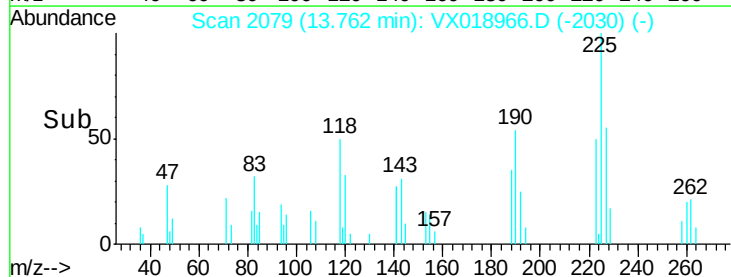
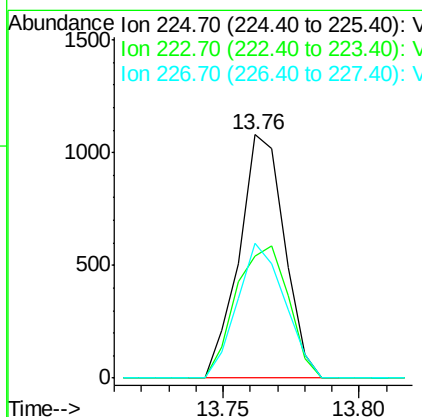
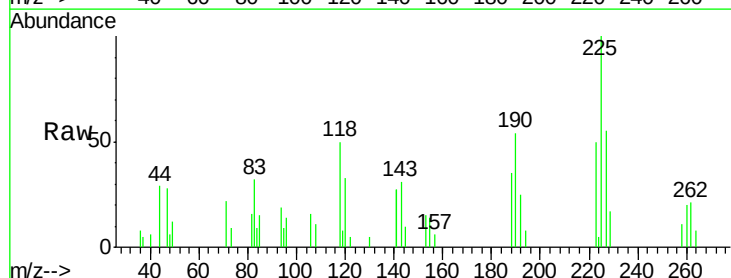
Manual Integrations
 APPROVED

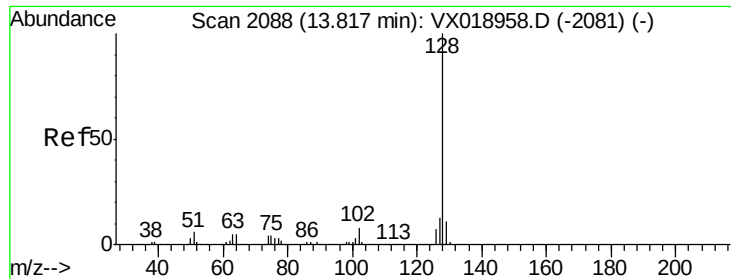
MMDadoda
 10/20/2020 4:52:39 PM



#94
 Hexachlorobutadiene
 Concen: 2.178 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX018966.D
 Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.0
227	58.1	30.9	92.8





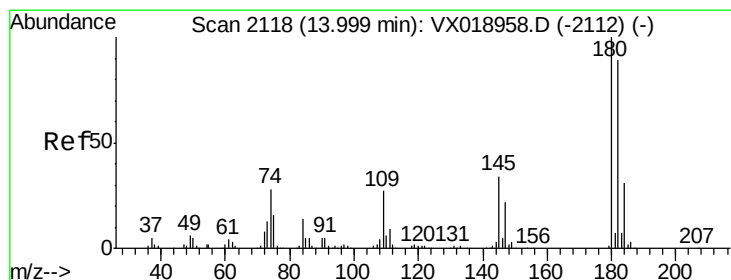
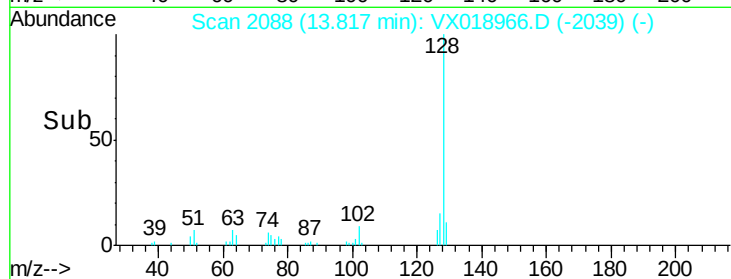
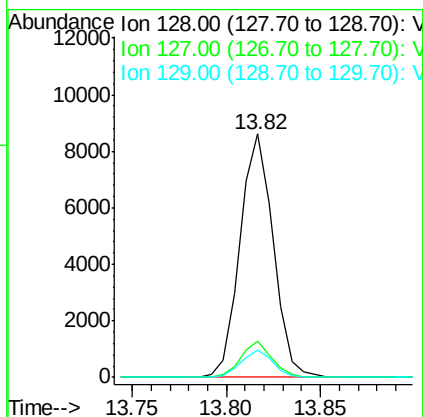
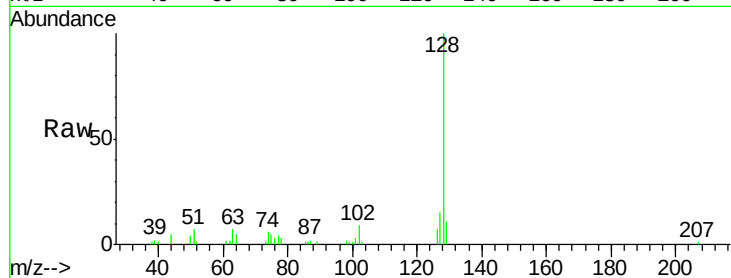
#95
Naphthalene
Concen: 2.245 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:52:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.194 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX018966.D
Acq: 19 Oct 2020 21:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	46.6	139.7
145	36.1	17.0	51.0

