

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015277.D
 Acq On : 13 Mar 2020 23:14
 Operator : JC/SP
 Sample : L1161-07 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 LOD-MDL-WATER-01-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:37 PM

Quant Time: Mar 16 09:46:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	50220	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	284924	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	267828	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	105108	31.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.43%
60) 4-Bromofluorobenzene	11.13	95	119112	27.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.13%
63) Toluene-d8	8.71	98	340162	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	5991	2.372 ug/l	94
3) Chloromethane	1.32	50	8020	2.199 ug/l	95
4) Vinyl Chloride	1.40	62	8319m	2.242 ug/l	
5) Bromomethane	1.64	94	5586	2.311 ug/l	87
6) Chloroethane	1.72	64	5400	2.317 ug/l	94
7) Trichlorofluoromethane	1.93	101	10324	2.182 ug/l	95
8) Diethyl Ether	2.18	74	4953	2.362 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	7229	2.492 ug/l	93
10) 1,1-Dichloroethene	2.37	96	6457	2.208 ug/l	97
11) Methyl Iodide	2.50	142	5879	1.954 ug/l	99
12) Methyl Acetate	2.76	43	8285	2.296 ug/l	98
13) Acrolein	2.29	56	6679	11.722 ug/l	97
14) Acrylonitrile	3.14	53	19969	11.927 ug/l	98
15) Acetone	2.44	58	5123	10.428 ug/l	96
16) Carbon Disulfide	2.56	76	20021	2.444 ug/l	99
17) Allyl chloride	2.72	41	11284	2.080 ug/l	96
18) Methylene Chloride	2.84	84	8820	2.668 ug/l	88
19) trans-1,2-Dichloroethene	3.16	96	7568	2.399 ug/l #	90
20) Diisopropyl ether	3.84	45	23928	2.220 ug/l #	86
21) 1,1-Dichloroethane	3.69	63	13979	2.448 ug/l	96
22) cis-1,2-Dichloroethene	4.59	96	9321	2.614 ug/l	93
23) tert-Butyl Alcohol	3.03	59	8755	13.375 ug/l #	98
24) Methyl tert-Butyl Ether	3.19	73	21480	2.273 ug/l	92
25) Chloroform	5.20	83	15105	2.780 ug/l	95
26) Cyclohexane	5.58	56	13200	2.487 ug/l #	93
29) 1,1-Dichloropropene	5.79	75	10990	2.514 ug/l	84
30) 2-Butanone	4.67	43	27010	11.536 ug/l #	59
31) 2,2-Dichloropropane	4.57	77	8936m	1.989 ug/l	
32) 1,1,1-Trichloroethane	5.48	97	11234	2.361 ug/l	95
33) Carbon Tetrachloride	5.78	117	9600m	2.358 ug/l	
34) Benzene	6.13	78	32174	2.428 ug/l	97
35) Methacrylonitrile	5.05	41	7076m	2.795 ug/l	
36) 1,2-Dichloroethane	6.19	62	10686	2.418 ug/l	95
37) Trichloroethene	7.21	130	11459	3.127 ug/l	97
38) Methylcyclohexane	7.45	83	13076	2.461 ug/l	96
39) 1,2-Dichloropropane	7.51	63	8523	2.490 ug/l	94
40) Dibromomethane	7.66	93	6076	2.793 ug/l	95

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Quant Time: Mar 16 09:46:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.89	83	10334	2.402	ug/l #	86
42) Vinyl Acetate	3.81	43	97310	10.539	ug/l	98
43) Ethyl Acetate	4.83	43	11668	2.626	ug/l #	72
44) Isopropyl Acetate	6.44	43	18314	2.437	ug/l	98
45) 1,4-Dioxane	7.75	88	3851	52.180	ug/l #	86
46) Methyl methacrylate	7.76	41	7924	2.139	ug/l	89
47) n-amyl Acetate	10.89	43	13321	1.976	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	10149	2.169	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	11682	2.199	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	8493	2.640	ug/l	96
51) Ethyl methacrylate	9.17	69	11173	2.226	ug/l	98
52) 1,3-Dichloropropane	9.37	76	14024	2.576	ug/l	100
53) Dibromochloromethane	9.58	129	7875	2.299	ug/l	96
54) 1,2-Dibromoethane	9.67	107	8824	2.659	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	27502	10.941	ug/l	99
56) Bromoform	10.85	173	5996	2.233	ug/l #	98
58) 4-Methyl-2-Pentanone	8.64	43	52725	11.563	ug/l	99
59) 2-Hexanone	9.49	43	37851	10.983	ug/l	96
61) Tetrachloroethene	9.33	164	9754	2.616	ug/l #	87
62) Toluene	8.78	91	35130	2.479	ug/l	96
64) Chlorobenzene	10.13	112	23635	2.610	ug/l	92
65) 1,1,1,2-Tetrachloroethane	10.21	131	7195	2.157	ug/l	97
66) Ethyl Benzene	10.25	91	35643	2.258	ug/l	98
67) m/p-Xylenes	10.36	106	27352	4.513	ug/l	97
68) o-Xylene	10.70	106	13371	2.301	ug/l	89
69) Styrene	10.71	104	21112	2.088	ug/l	98
70) Isopropylbenzene	11.01	105	33180	2.145	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.26	83	11879	2.366	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	10765m	2.620	ug/l	
73) Bromobenzene	11.25	156	10121	2.400	ug/l	98
74) n-propylbenzene	11.35	91	41278	2.259	ug/l	99
75) 2-Chlorotoluene	11.42	91	25463	2.387	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	28337	2.146	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	2732	1.587	ug/l	93
78) 4-Chlorotoluene	11.51	91	28827	2.347	ug/l	95
79) tert-butylbenzene	11.76	119	27103	2.190	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	27145	2.080	ug/l	97
81) sec-Butylbenzene	11.94	105	33519	2.182	ug/l	97
82) p-Isopropyltoluene	12.06	119	28476	2.016	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	18606	2.497	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	19118	2.565	ug/l	99
85) n-Butylbenzene	12.39	91	25735	2.079	ug/l	97
86) Hexachloroethane	12.59	117	5025	2.032	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	17668	2.431	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	12.99	75	2536	2.454	ug/l	92
89) 1,2,4-Trichlorobenzene	13.64	180	12336	2.297	ug/l	96
90) Hexachlorobutadiene	13.78	225	6202	2.244	ug/l	97
91) Naphthalene	13.83	128	29912	2.010	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	12491	2.311	ug/l	98

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ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

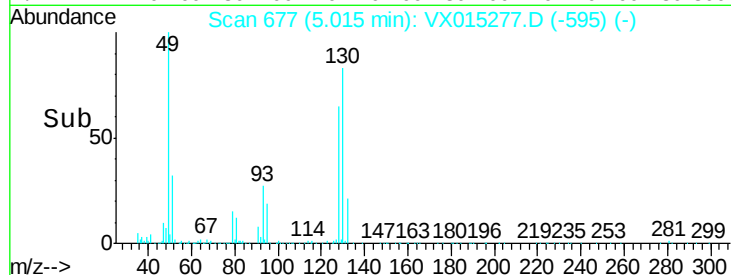
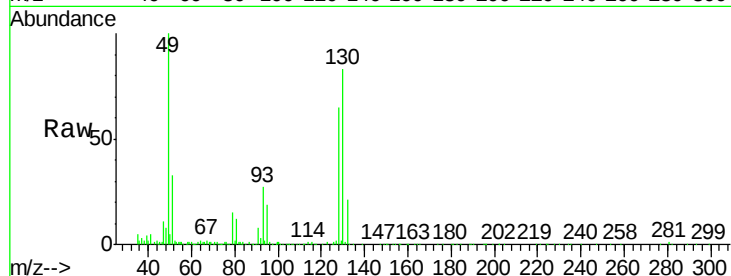
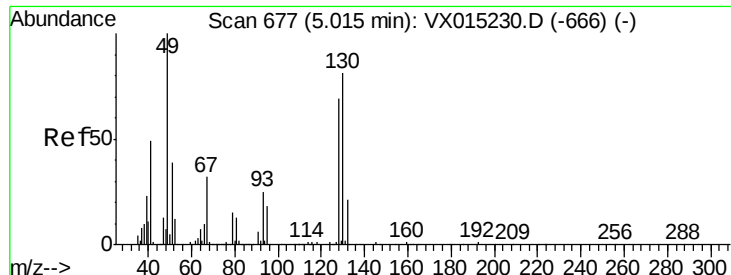
Manual Integrations
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3/16/2020 2:07:37 PM

Quant Time: Mar 16 09:46:57 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

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



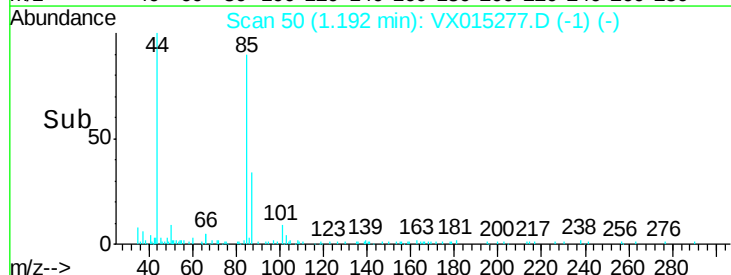
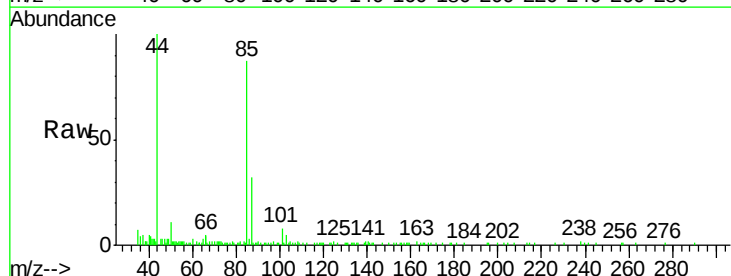
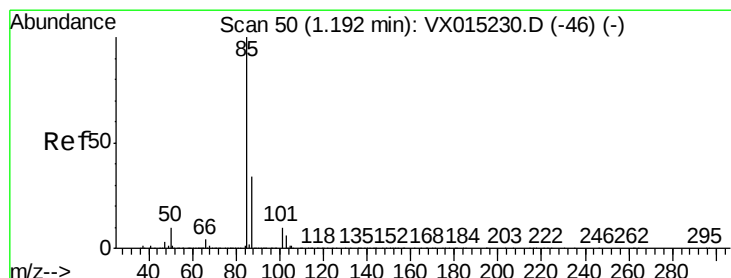
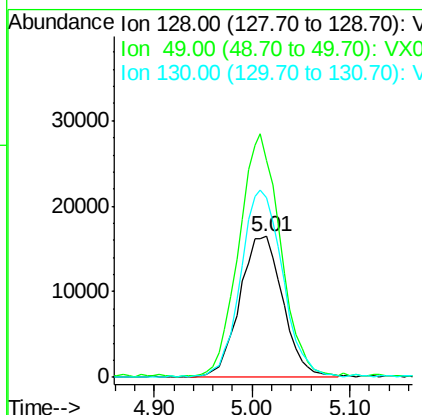
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 677
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tot Ion	Ratio	Lower	Upper
128	100		
49	165.8	0.0	406.8
130	130.5	0.0	319.3

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MSVOA_X
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LOD-MDL-WATER-01-QT1-2020DL

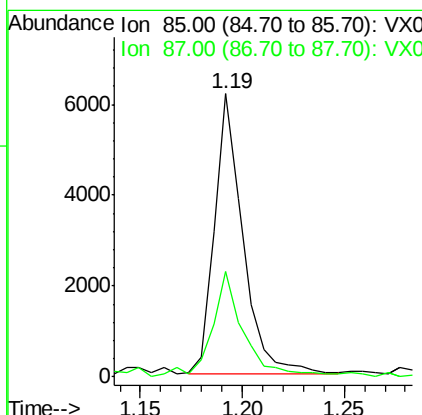
Manual Integrations
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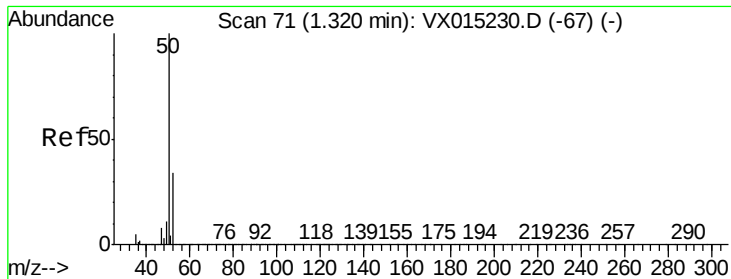
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#2
Dichlorodifluoromethane
Concen: 2.372 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.6	16.7	50.1





#3

Chloromethane

Concen: 2.199 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 50 Resp: 8020

Ion Ratio Lower Upper

50 100

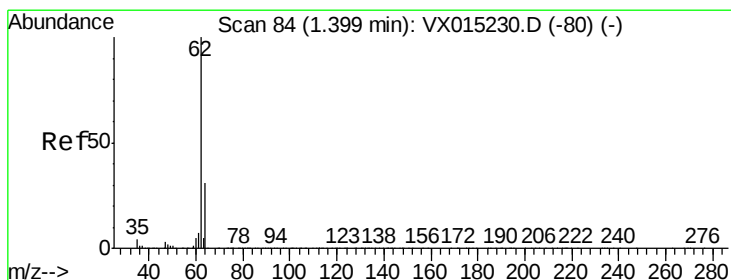
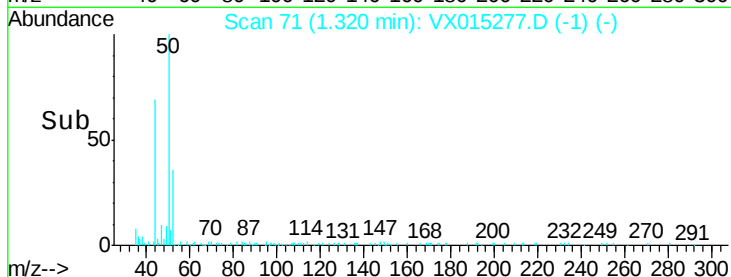
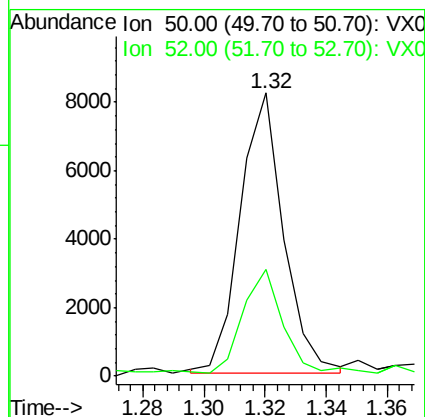
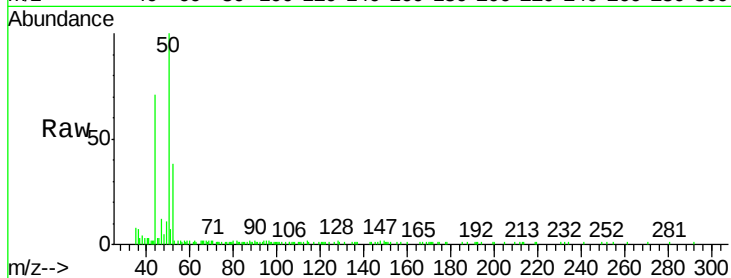
52 36.3 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.242 ug/l m

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015277.D

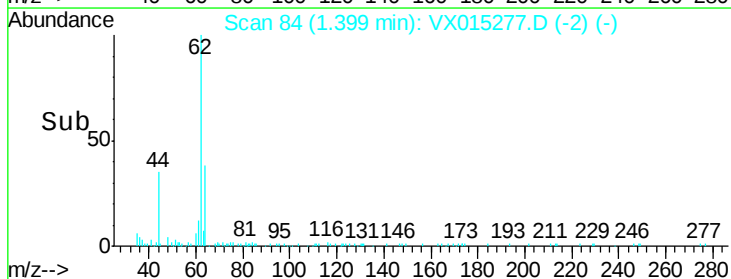
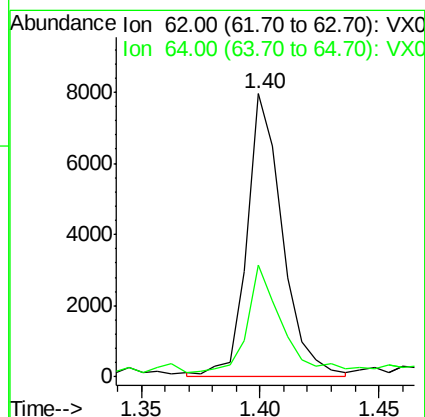
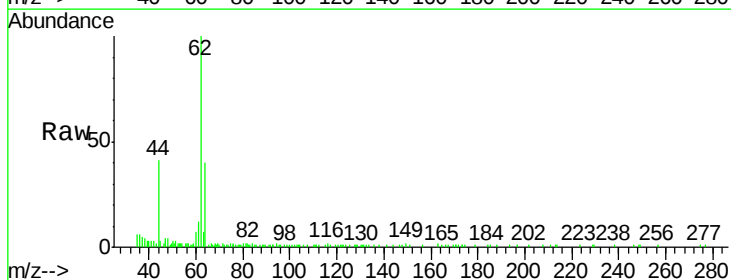
Acq: 13 Mar 2020 23:14

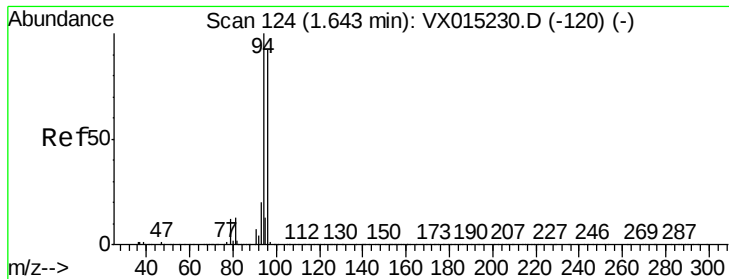
Tgt Ion: 62 Resp: 8319

Ion Ratio Lower Upper

62 100

64 39.7 24.9 37.3#





#5

Bromomethane

Concen: 2.311 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 94 Resp: 5586

Ion Ratio Lower Upper

94 100

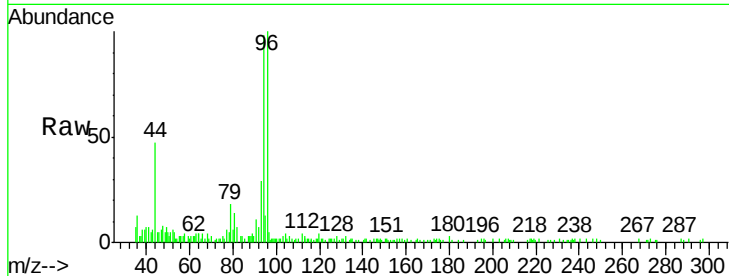
96 104.0 73.0 109.4

Manual Integrations

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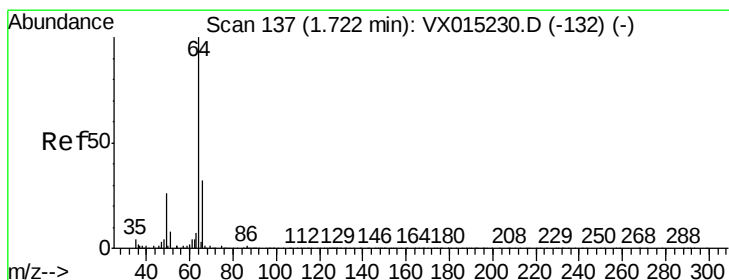
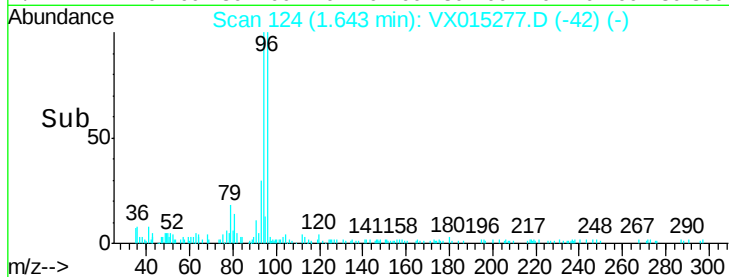
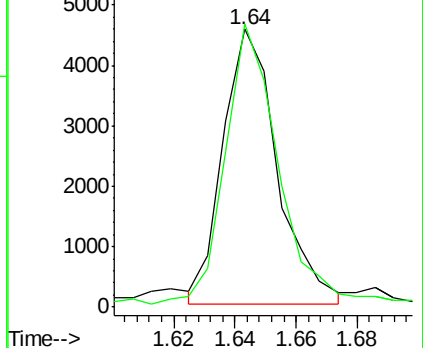
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 2.317 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015277.D

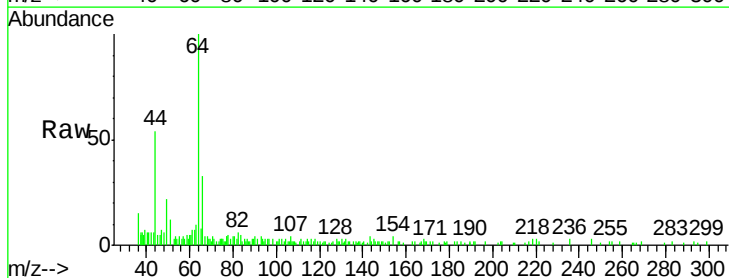
Acq: 13 Mar 2020 23:14

Tgt Ion: 64 Resp: 5400

Ion Ratio Lower Upper

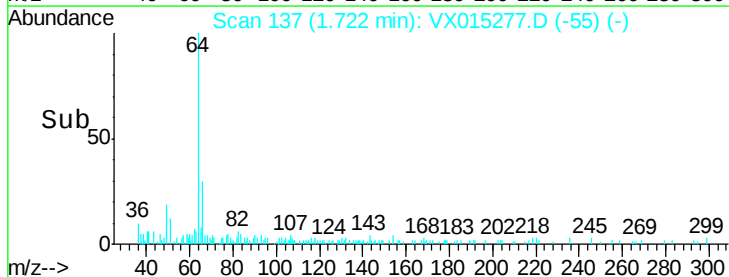
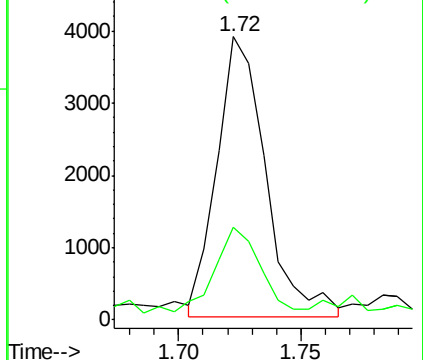
64 100

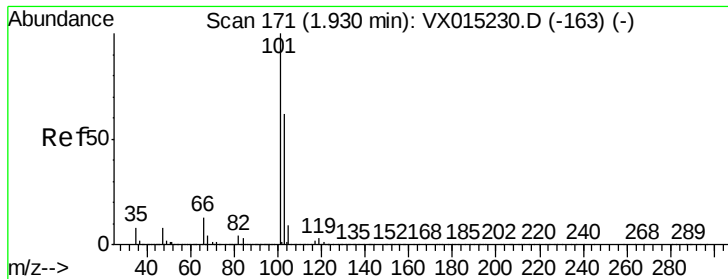
66 29.3 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

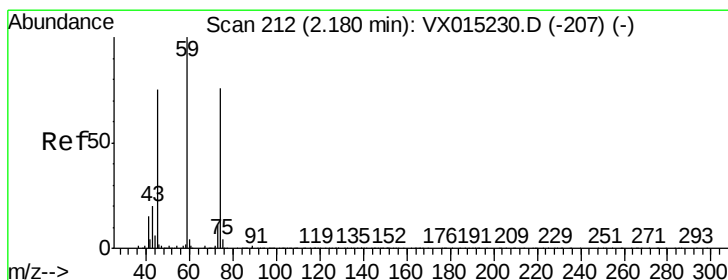
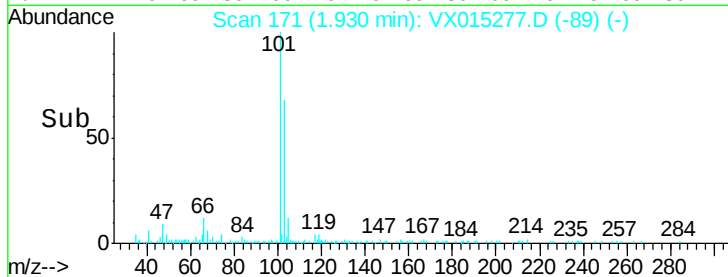
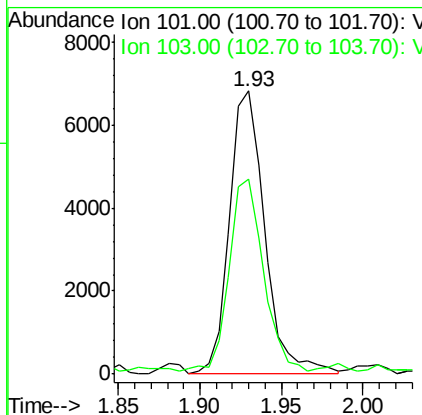
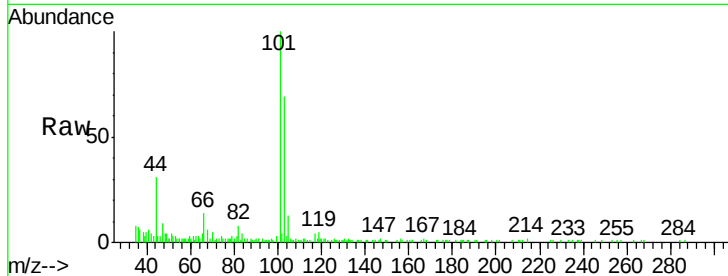
Trichlorofluoromethane
Concen: 2.182 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
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LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	49.9	74.9

Manual Integrations
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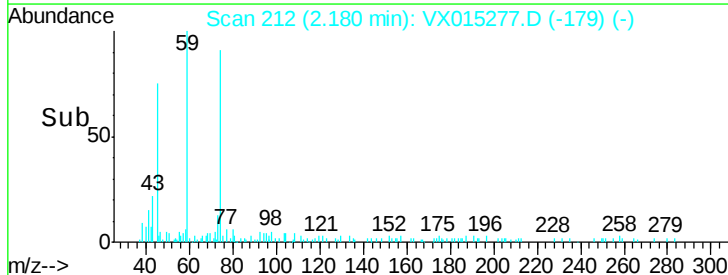
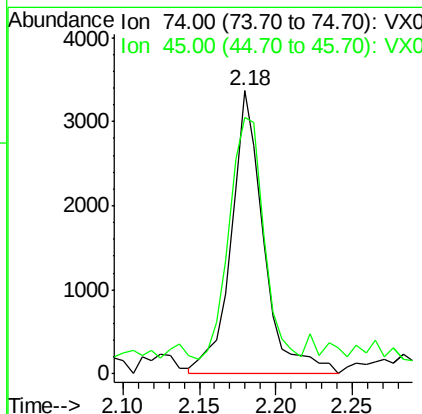
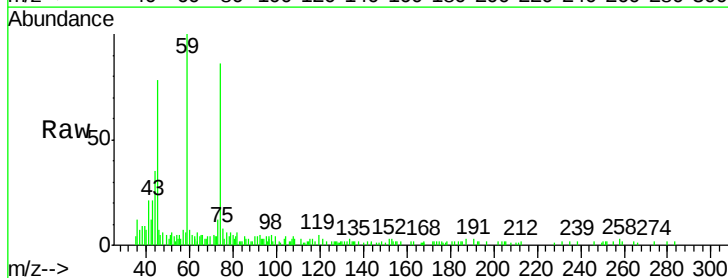
MMDadoda
3/16/2020 2:07:37 PM

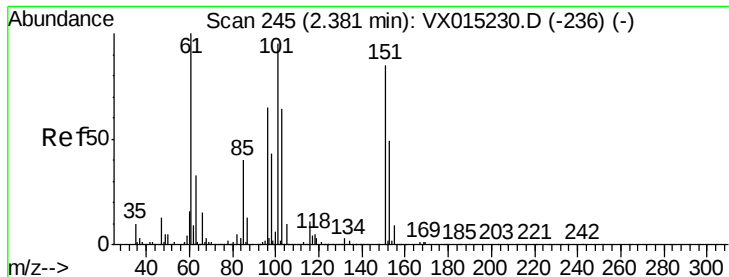


#8

Diethyl Ether
Concen: 2.362 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	20.3	182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.492 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

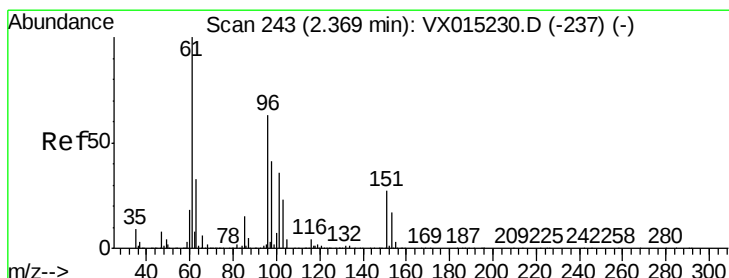
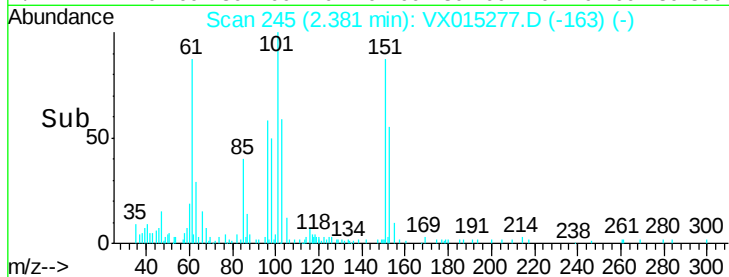
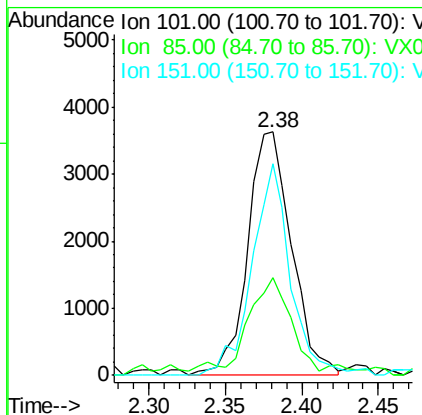
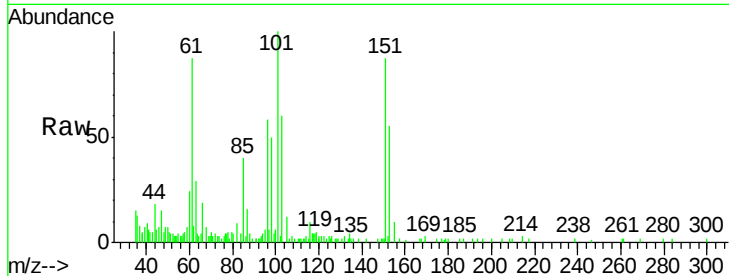
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	101	Resp:	7229
Ion Ratio	Lower	Upper	
101	100		
85	37.8	0.0	82.0
151	75.7	0.0	165.0

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#10

1,1-Dichloroethene

Concen: 2.208 ug/l

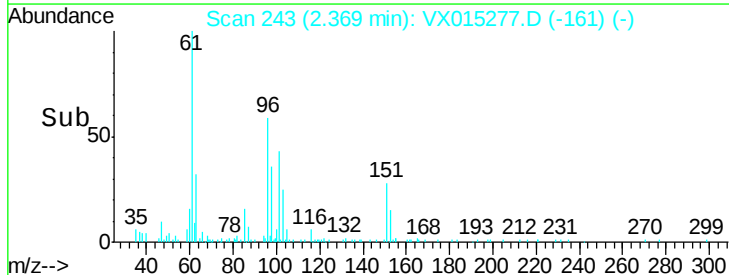
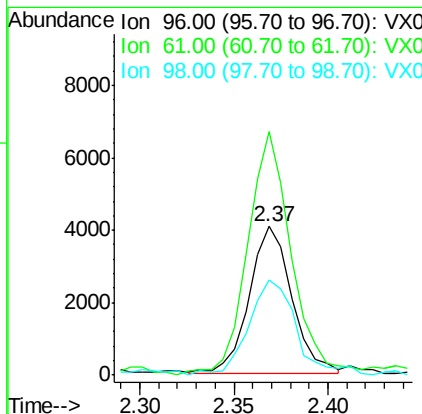
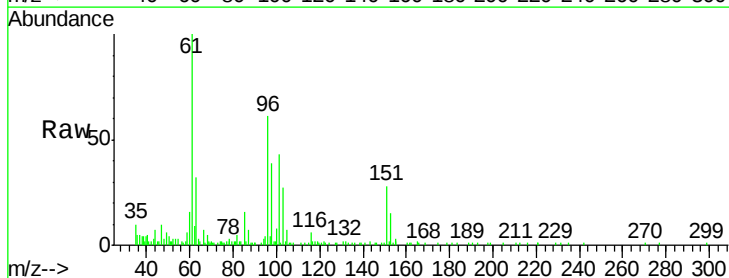
RT: 2.37 min Scan# 243

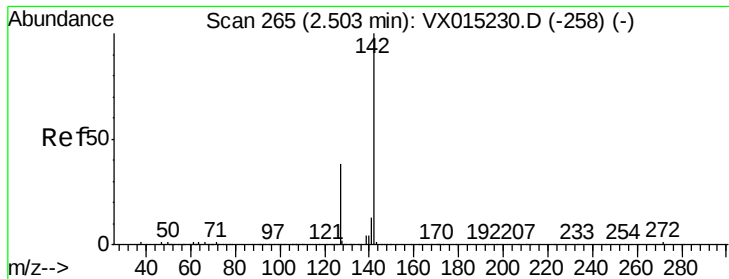
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	96	Resp:	6457
Ion Ratio	Lower	Upper	
96	100		
61	161.5	126.2	189.2
98	61.5	52.1	78.1





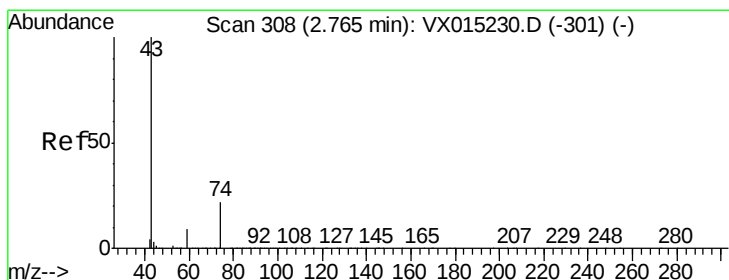
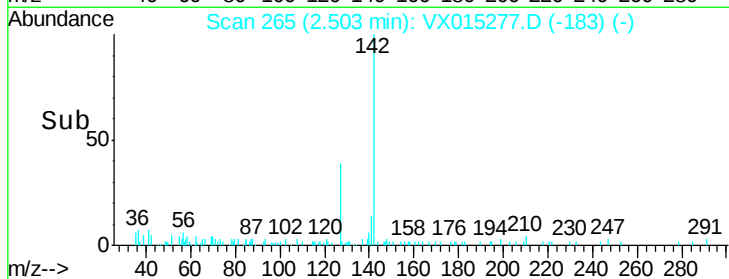
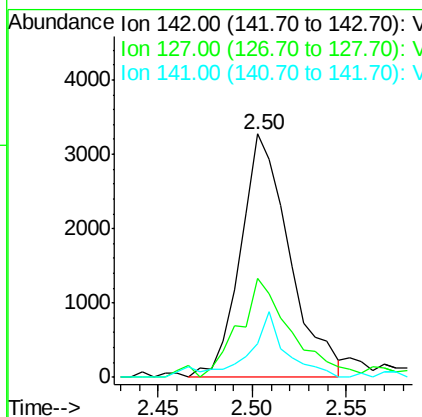
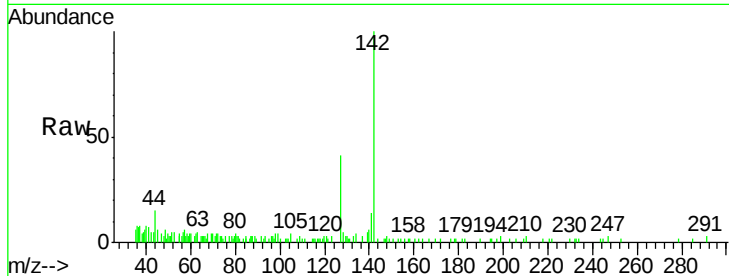
#11
Methvl Iodide
Concen: 1.954 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	142	Resp:	5879
Ion Ratio	Lower	Upper	
142	100		
127	37.3	18.9	56.9
141	12.0	6.6	19.7

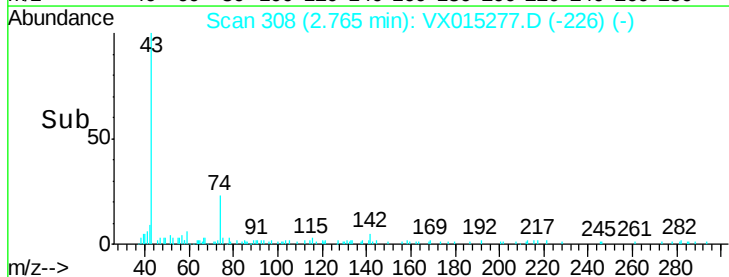
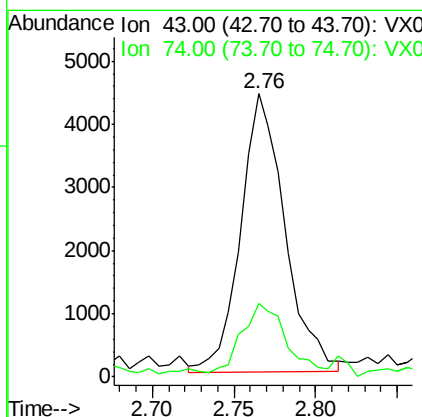
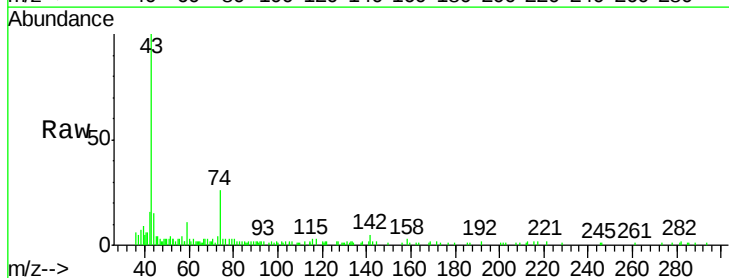
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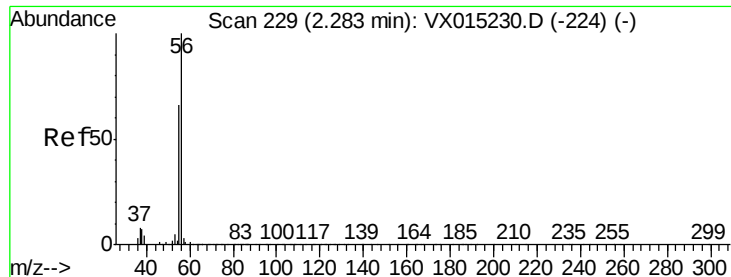
MMDadoda
3/16/2020 2:07:37 PM



#12
Methyl Acetate
Concen: 2.296 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion:	43	Resp:	8285
Ion Ratio	Lower	Upper	
43	100		
74	21.7	18.0	27.0





#13

Acrolein

Concen: 11.722 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 56 Resp: 6679

Ion Ratio Lower Upper

56 100

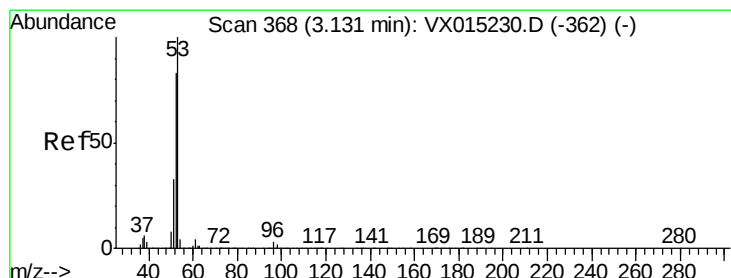
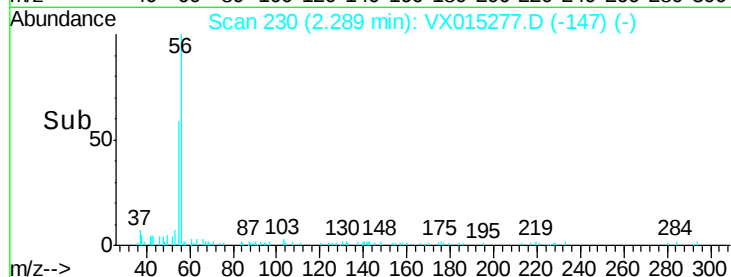
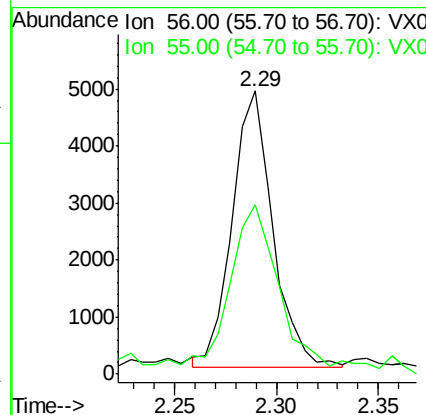
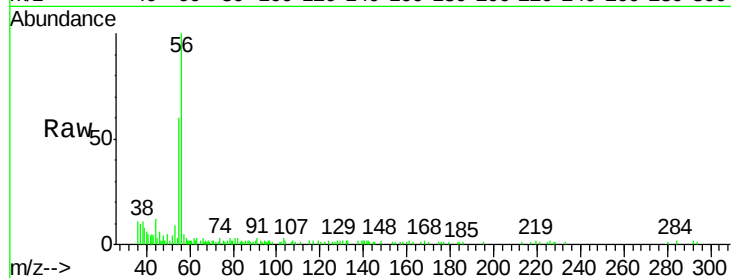
55 66.8 55.1 82.7

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#14

Acrylonitrile

Concen: 11.927 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

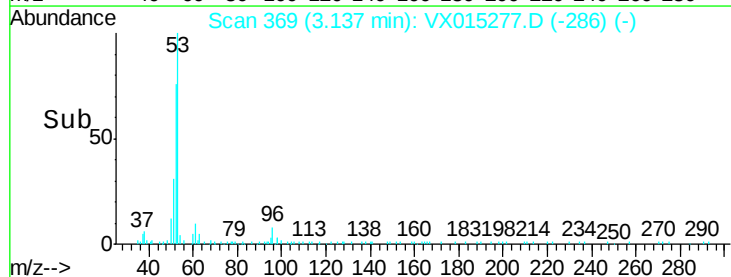
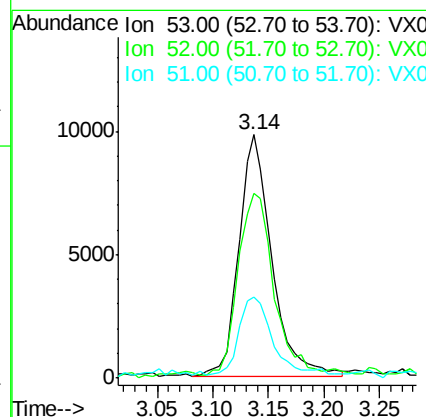
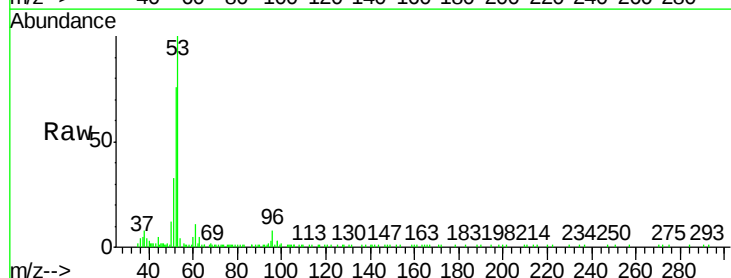
Tgt Ion: 53 Resp: 19969

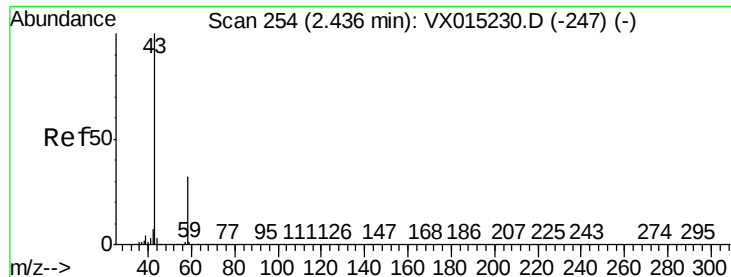
Ion Ratio Lower Upper

53 100

52 82.1 41.5 124.5

51 32.0 17.7 53.1





#15

Acetone

Concen: 10.428 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 58 Resp: 5123

Ion Ratio Lower Upper

58 100

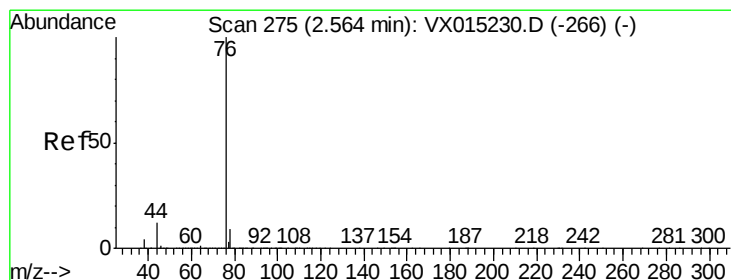
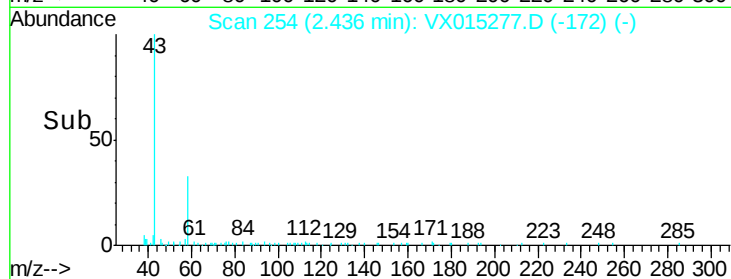
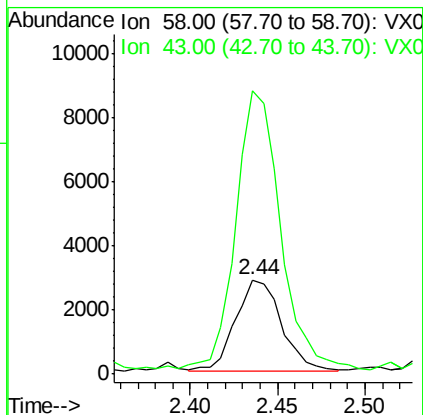
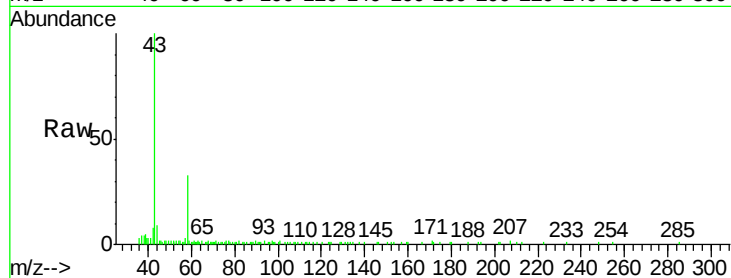
43 303.8 248.7 373.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.444 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX015277.D

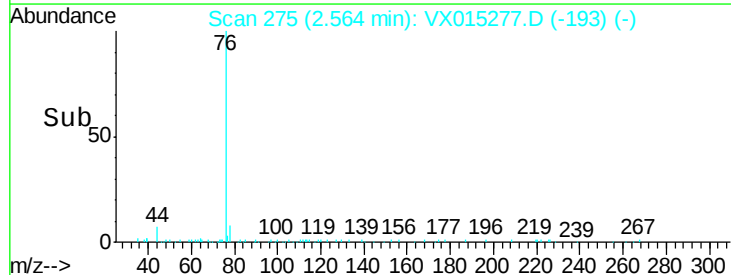
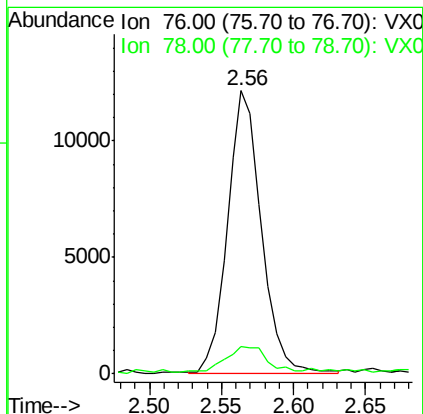
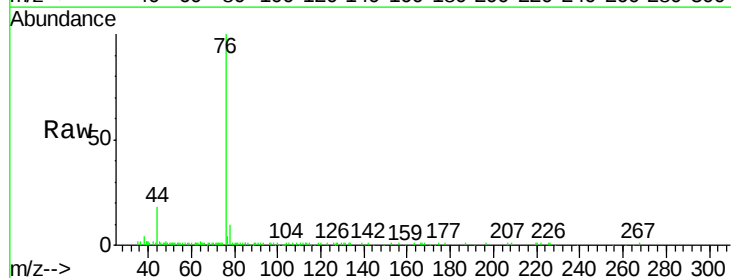
Acq: 13 Mar 2020 23:14

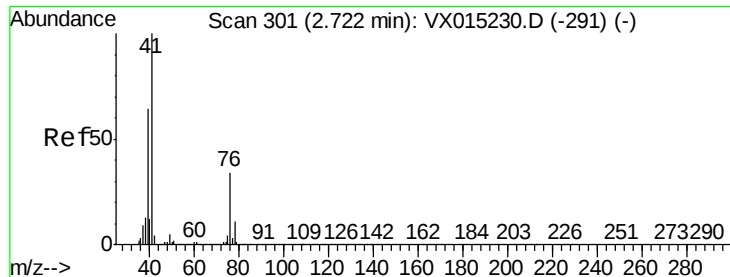
Tgt Ion: 76 Resp: 20021

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





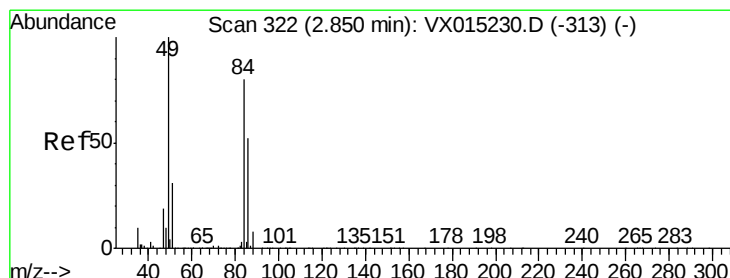
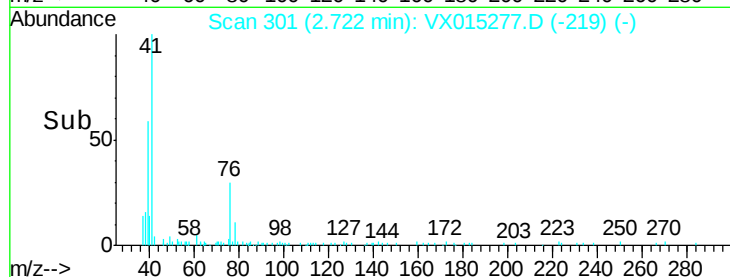
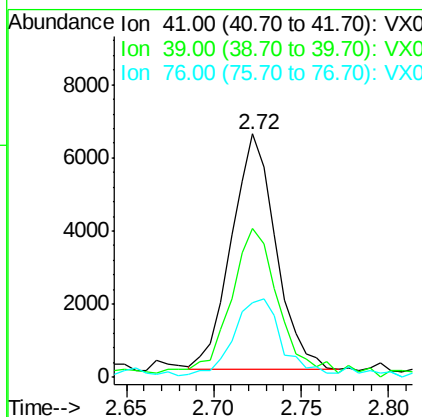
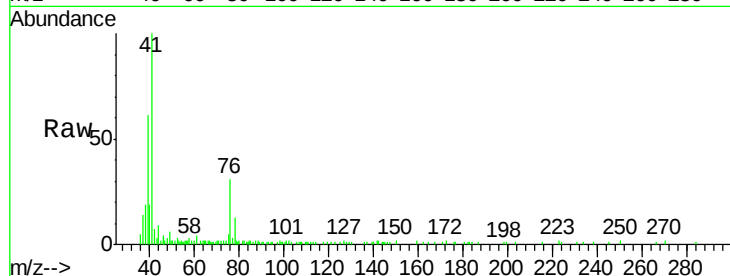
#17
Allvl chloride
Concen: 2.080 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	41	Resp:	11284
Ion Ratio	Lower	Upper	
41	100		
39	61.6	32.1	96.5
76	30.8	17.2	51.5

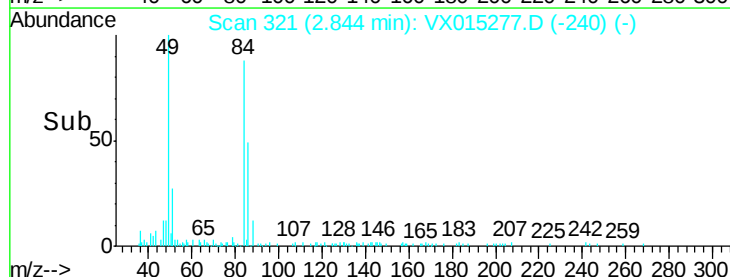
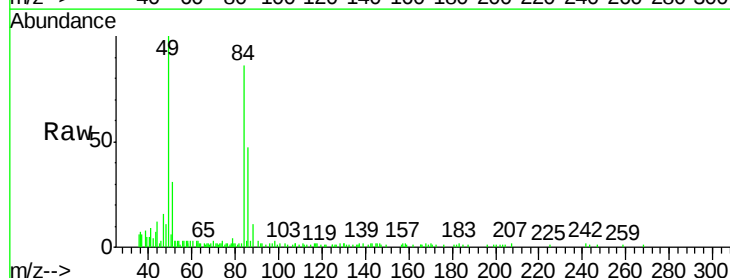
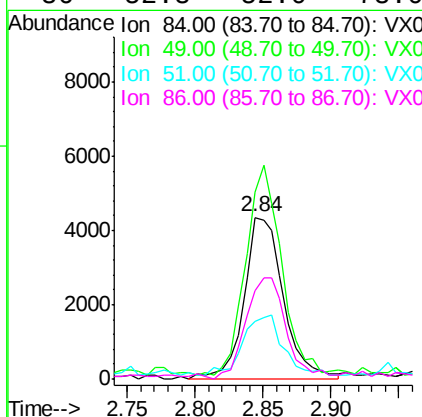
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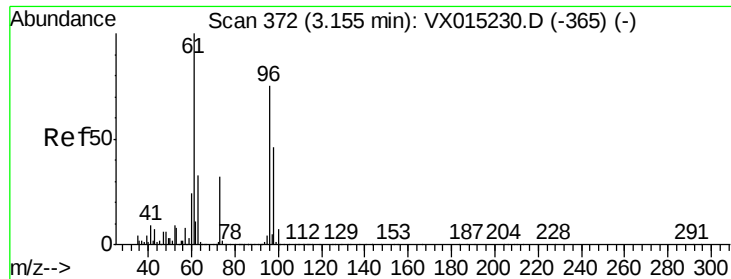
MMDadoda
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#18
Methylene Chloride
Concen: 2.668 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion:	84	Resp:	8820
Ion Ratio	Lower	Upper	
84	100		
49	111.5	99.5	149.3
51	33.1	31.0	46.6
86	52.8	52.0	78.0





#19

trans-1,2-Dichloroethene

Concen: 2.399 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

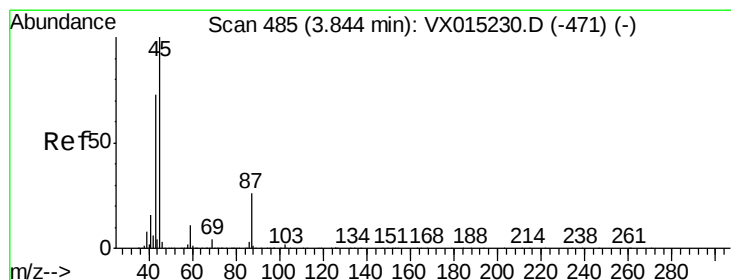
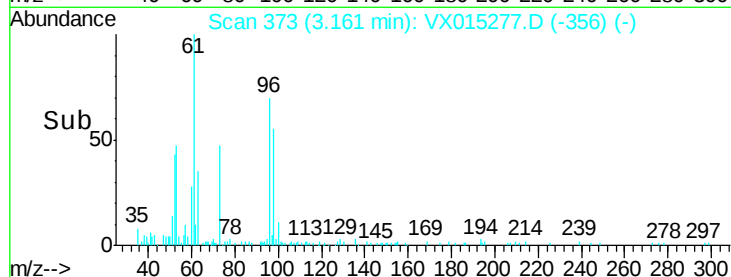
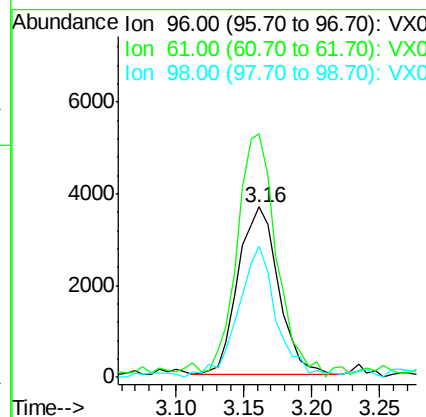
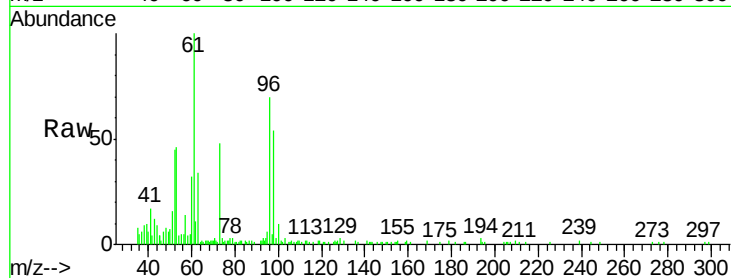
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	96	Resp:	7568
Ion Ratio	Lower	Upper	
96	100		
61	139.8	106.3	159.5
98	76.8	49.1	73.7#

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3/16/2020 2:07:37 PM



#20

Diisopropyl ether

Concen: 2.220 ug/l

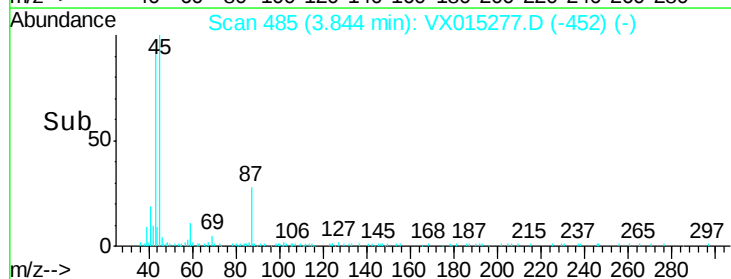
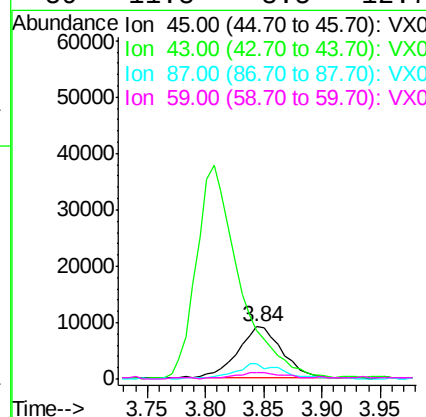
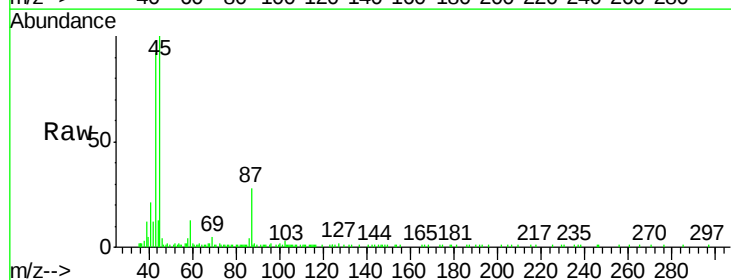
RT: 3.84 min Scan# 485

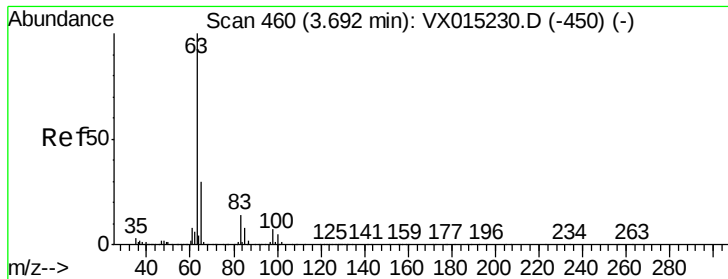
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	45	Resp:	23928
Ion Ratio	Lower	Upper	
45	100		
43	89.3	58.6	87.8#
87	27.5	21.0	31.4
59	11.8	8.5	12.7





#21

1,1-Dichloroethane

Concen: 2.448 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

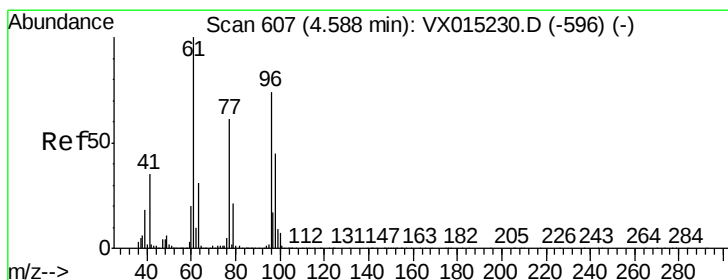
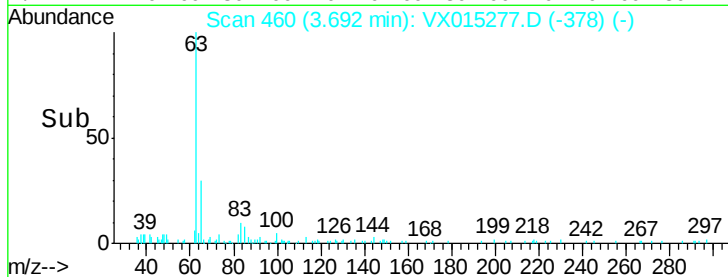
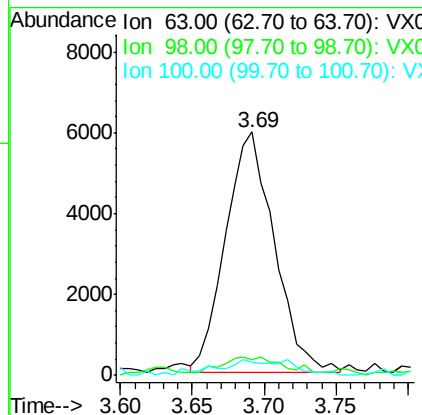
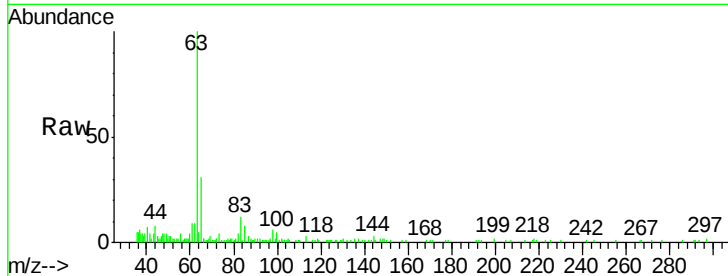
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	63	Resp:	13979
Ion Ratio	Lower	Upper	
63	100		
98	5.3	3.5	10.6
100	5.2	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 2.614 ug/l

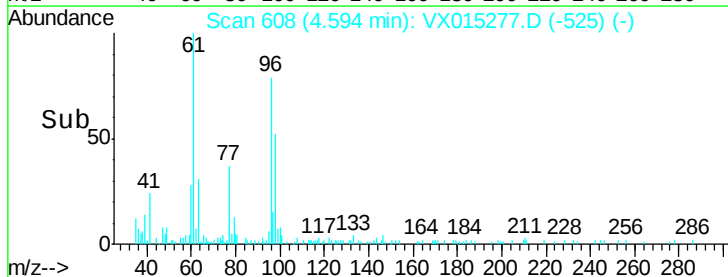
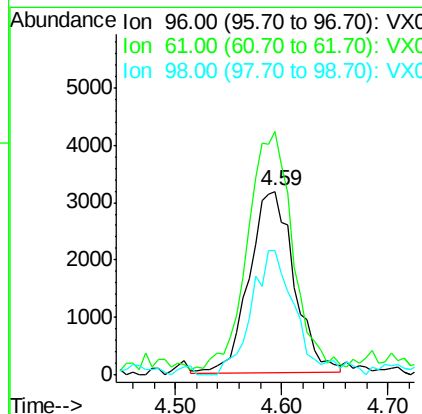
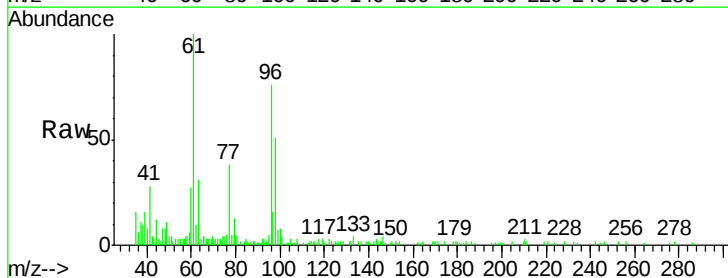
RT: 4.59 min Scan# 608

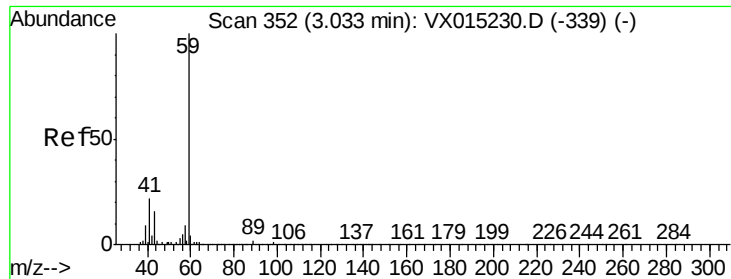
Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	96	Resp:	9321
Ion Ratio	Lower	Upper	
96	100		
61	127.9	111.4	167.0
98	63.9	50.1	75.1





#23

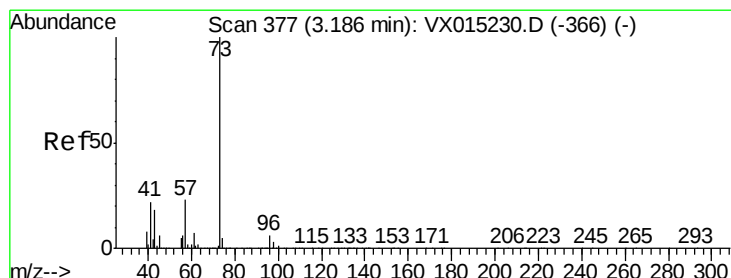
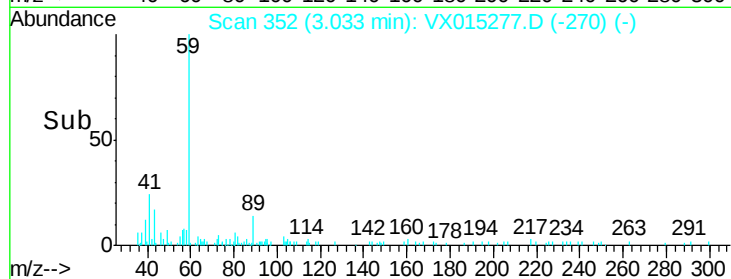
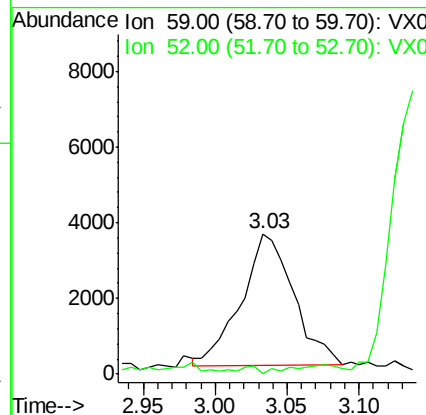
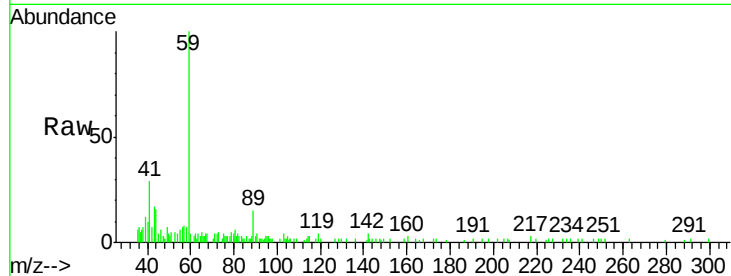
tert-Butyl Alcohol
Concen: 13.375 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
59	100		
52	1.7	0.4	0.6#

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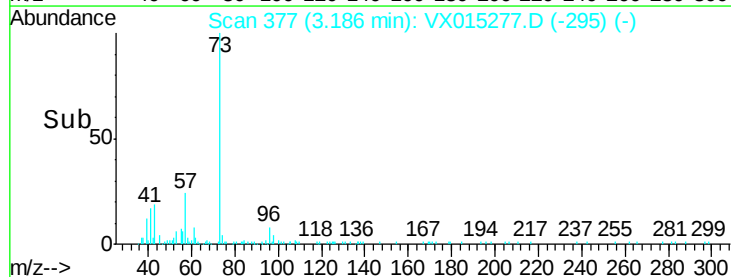
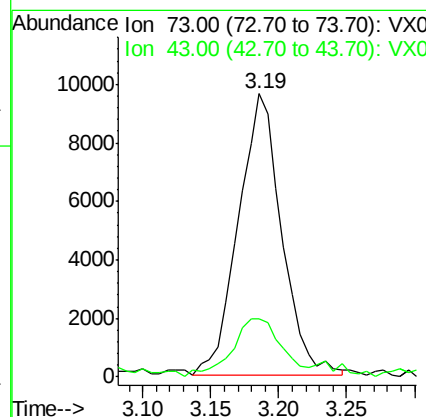
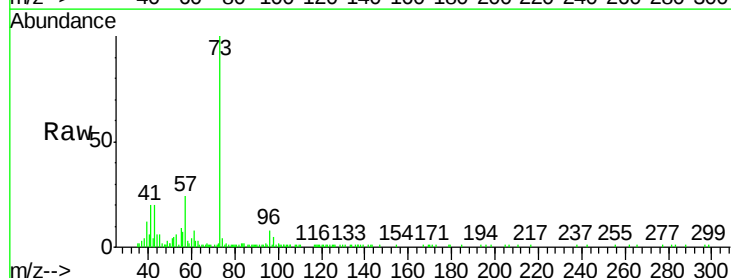
MMDadoda
3/16/2020 2:07:37 PM

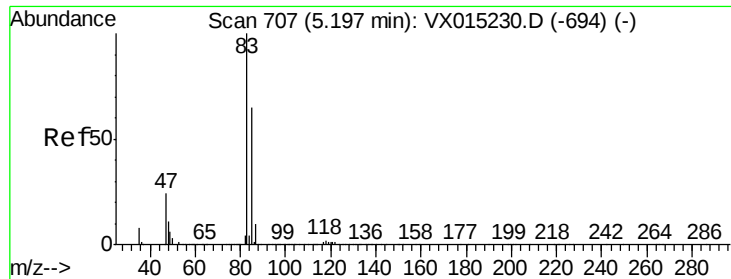


#24

Methyl tert-Butyl Ether
Concen: 2.273 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.6	15.9	23.9





#25

Chloroform

Concen: 2.780 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

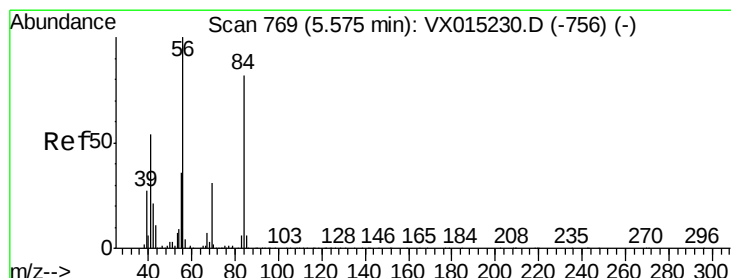
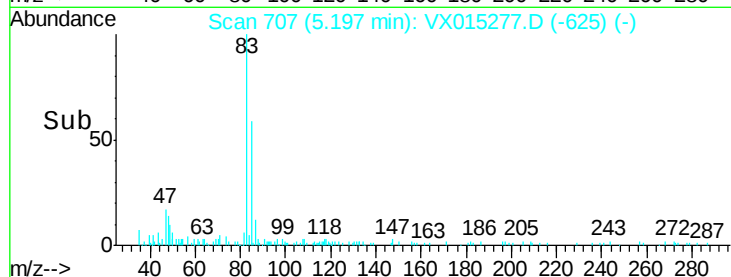
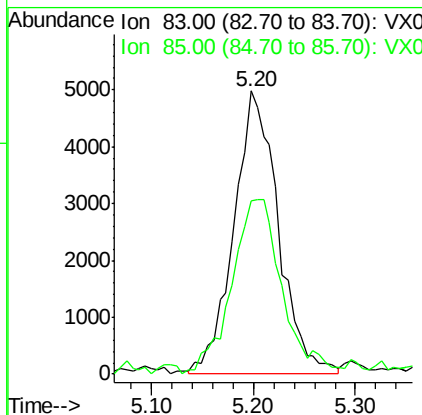
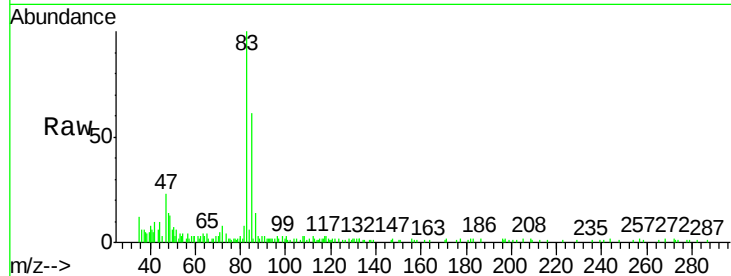
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	83	Resp:	15105
Ion Ratio	Lower	Upper	
83	100		
85	60.3	51.4	77.2

Manual Integrations
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#26

Cyclohexane

Concen: 2.487 ug/l

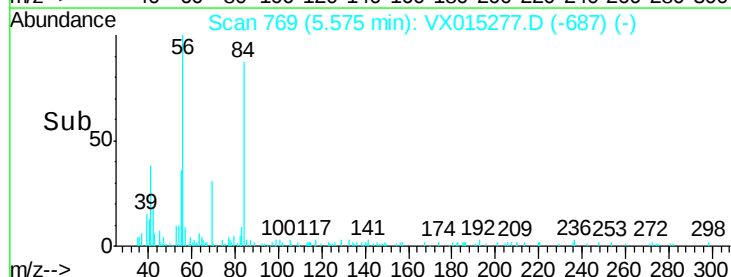
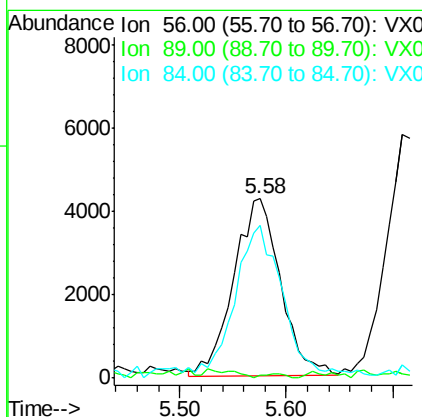
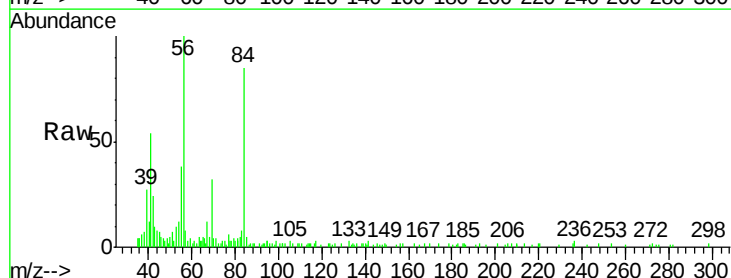
RT: 5.58 min Scan# 769

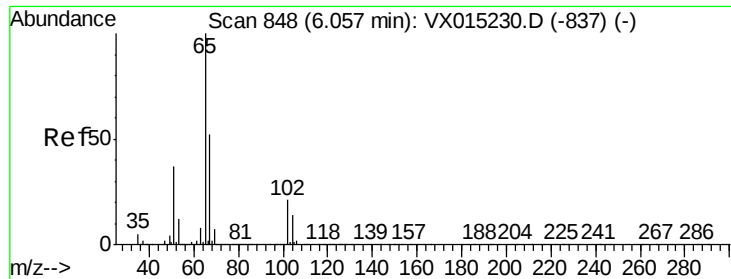
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	56	Resp:	13200
Ion Ratio	Lower	Upper	
56	100		
89	1.1	0.1	0.1#
84	78.6	68.2	102.4





#27

1,2-Dichloroethane-d4

Concen: 31.025 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 65 Resp: 105108

Ion Ratio Lower Upper

65 100

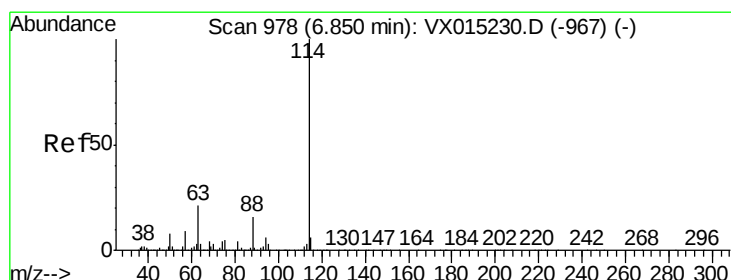
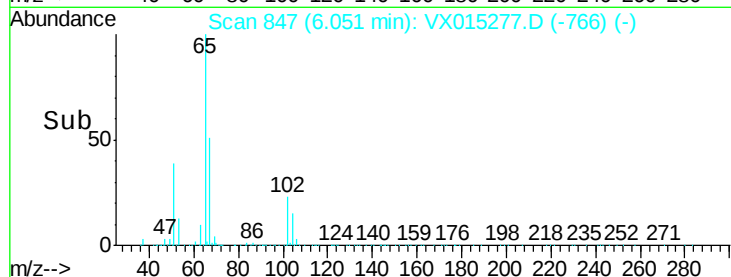
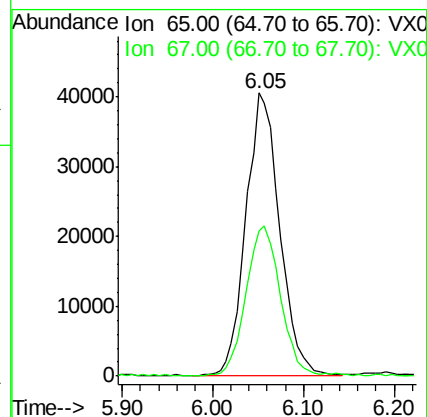
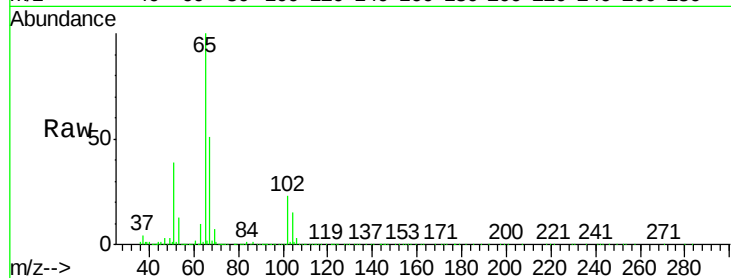
67 53.6 43.5 65.3

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

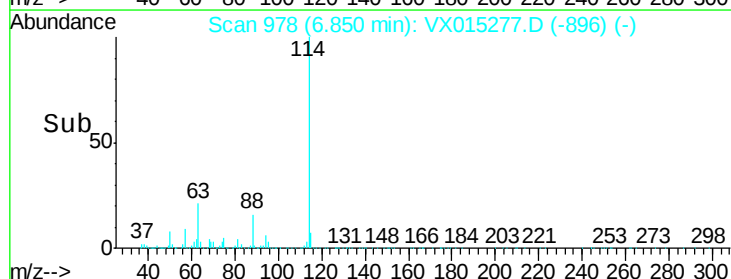
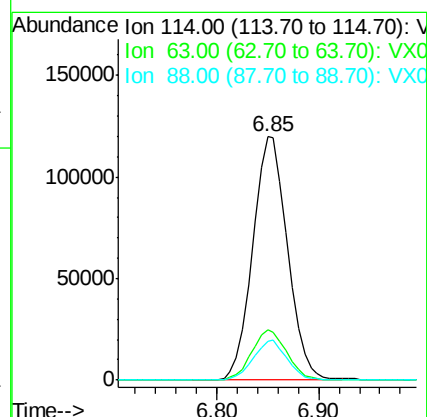
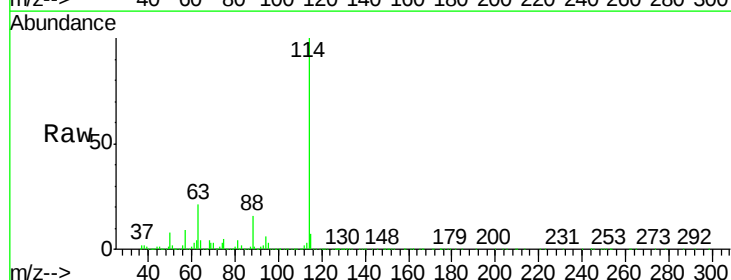
Tgt Ion: 114 Resp: 284924

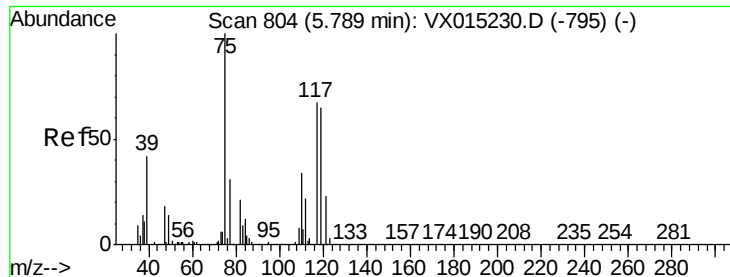
Ion Ratio Lower Upper

114 100

63 20.8 16.6 24.8

88 15.7 12.6 19.0





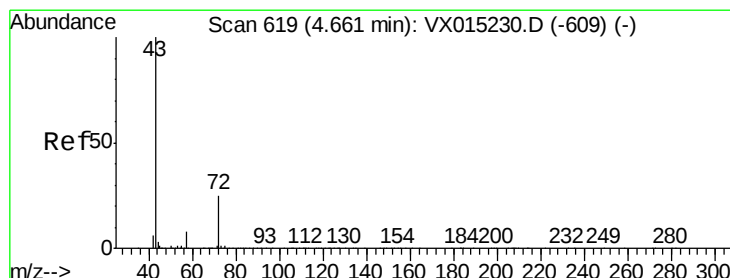
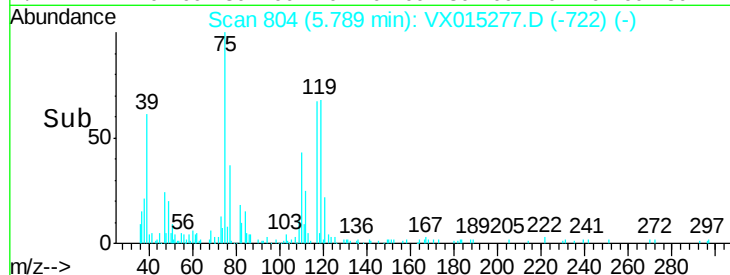
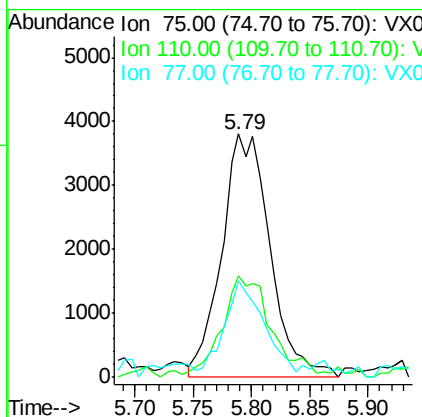
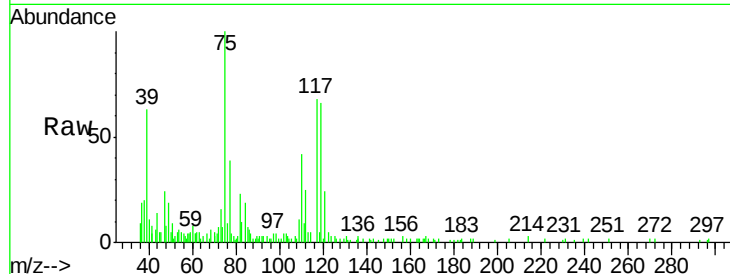
#29
 1,1-Dichloropropene
 Concen: 2.514 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	75	Resp:	10990
Ion Ratio	Lower	Upper	
75	100		
110	20.6	0.0	73.6
77	30.4	0.0	63.4

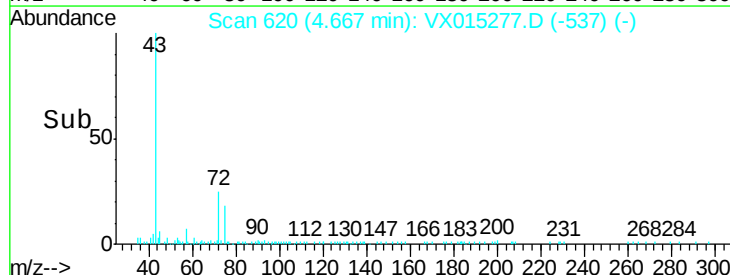
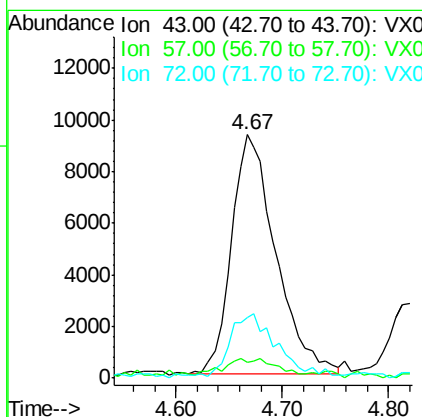
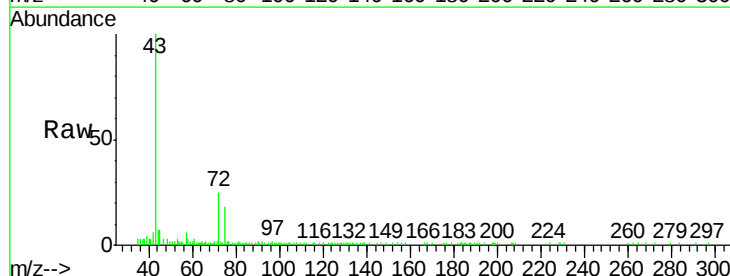
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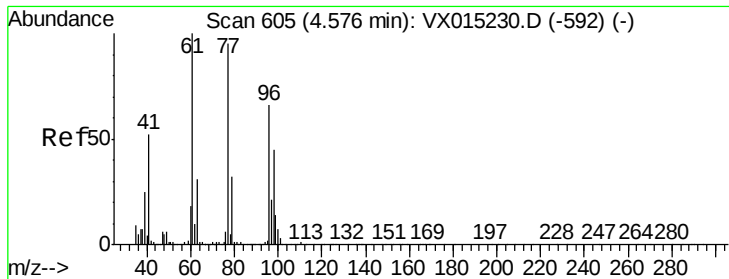
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#30
 2-Butanone
 Concen: 11.536 ug/l
 RT: 4.67 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Tgt Ion:	43	Resp:	27010
Ion Ratio	Lower	Upper	
43	100		
57	2.9	6.4	9.6#
72	0.0	19.9	29.9#





#31

2,2-Dichloropropane

Concen: 1.989 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 77 Resp: 8936

Ion Ratio Lower Upper

77 100

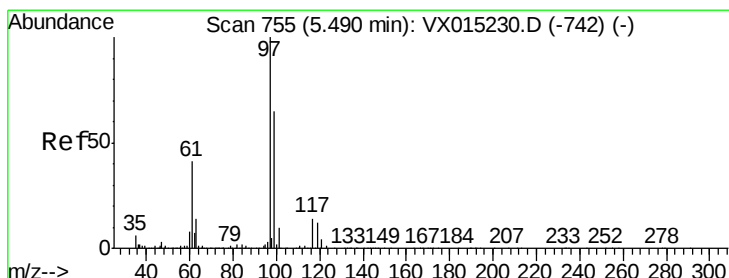
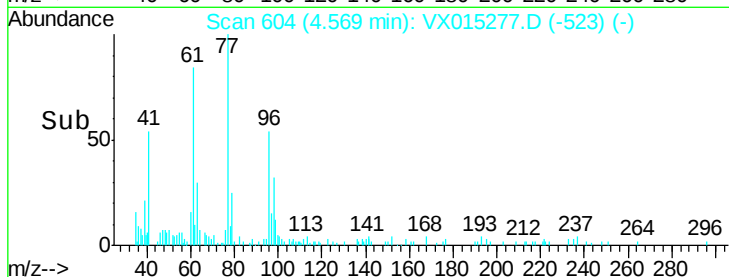
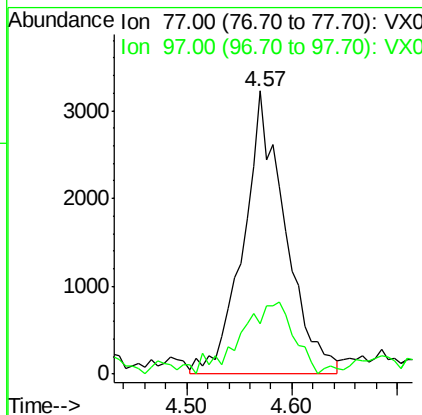
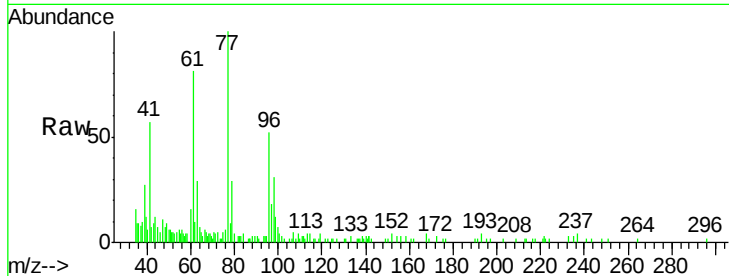
97 0.3 19.8 29.6#

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#32

1,1,1-Trichloroethane

Concen: 2.361 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

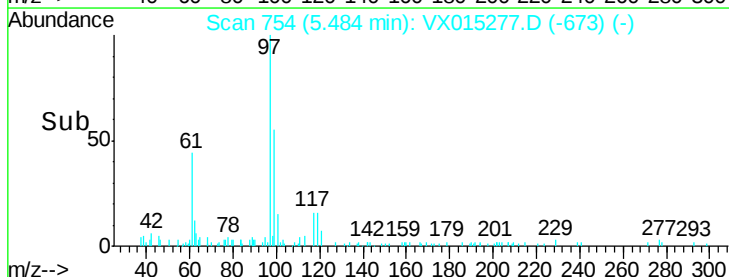
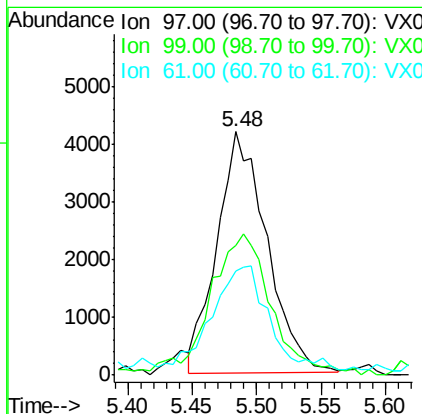
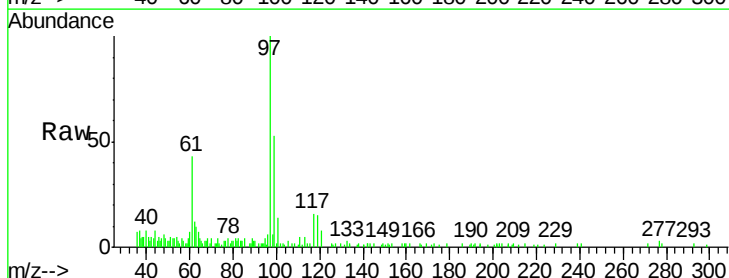
Tgt Ion: 97 Resp: 11234

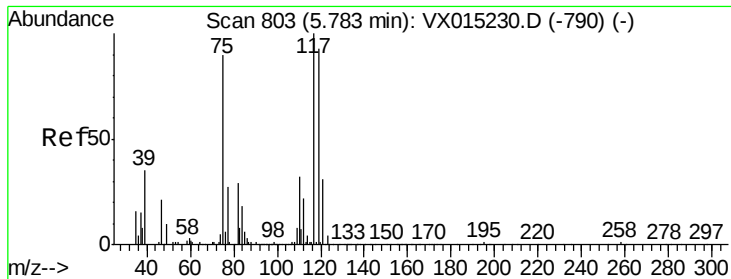
Ion Ratio Lower Upper

97 100

99 67.6 52.0 78.0

61 39.2 35.0 52.6





#33

Carbon Tetrachloride

Concen: 2.358 ug/l m

RT: 5.78 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

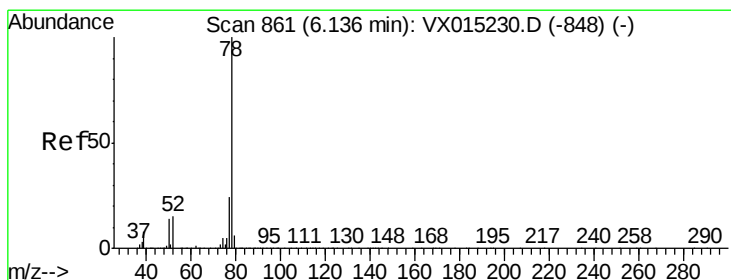
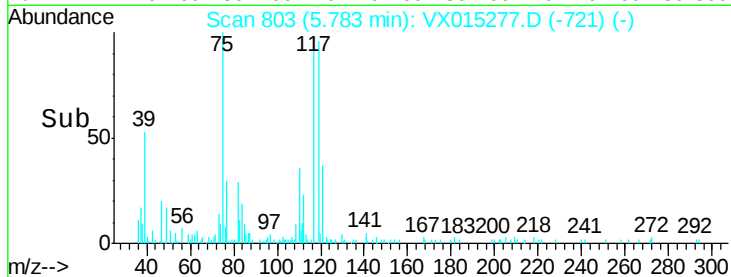
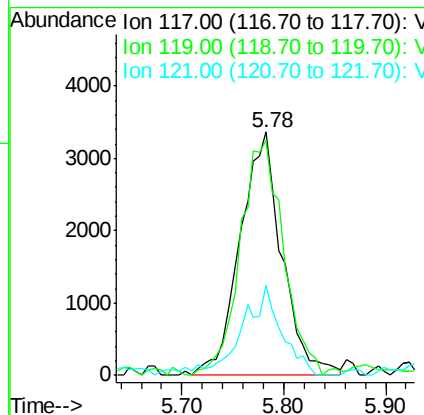
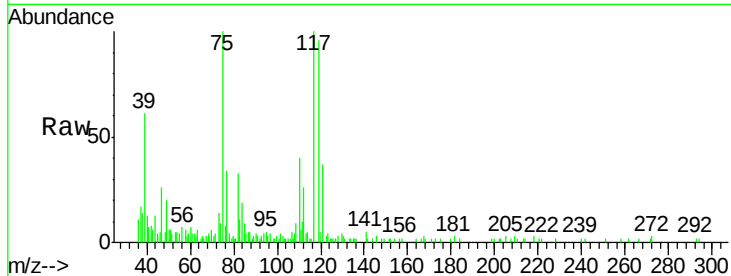
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	117	Resp:	9600
Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.2	111.4
121	36.9	24.3	36.5#

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#34

Benzene

Concen: 2.428 ug/l

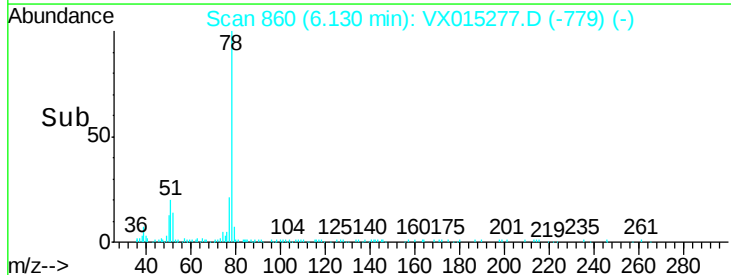
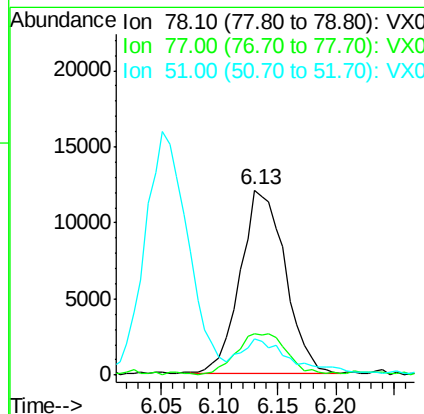
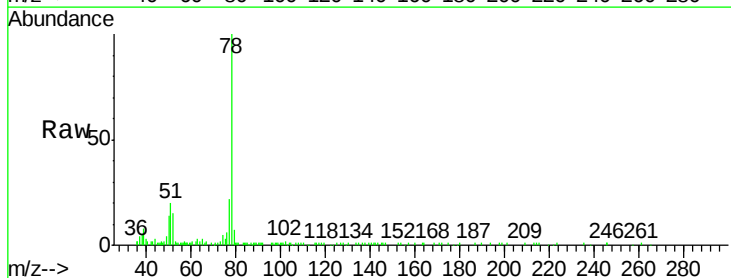
RT: 6.13 min Scan# 860

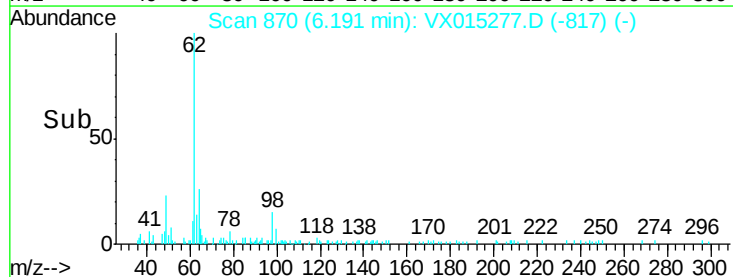
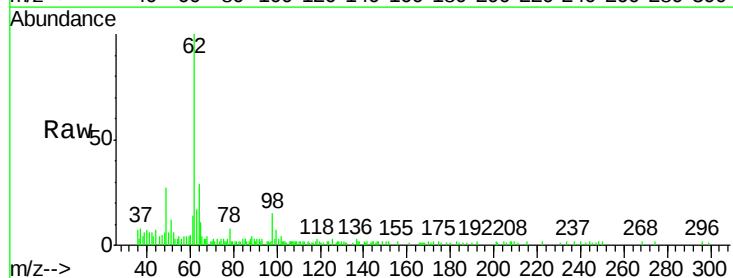
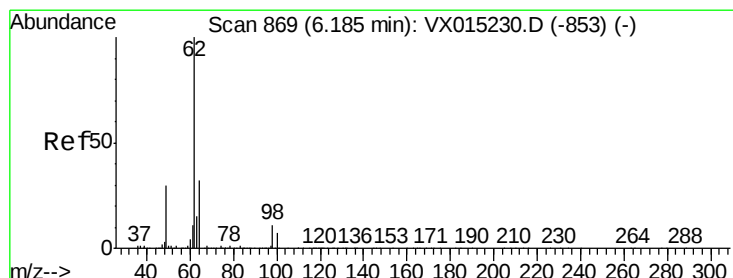
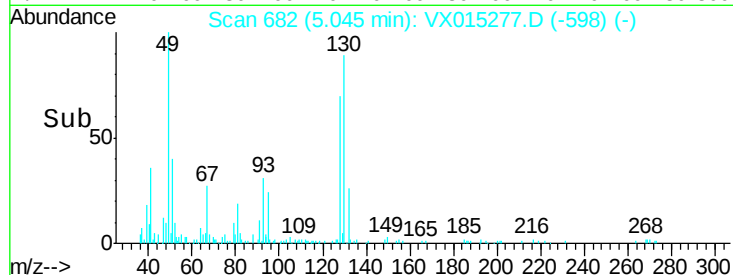
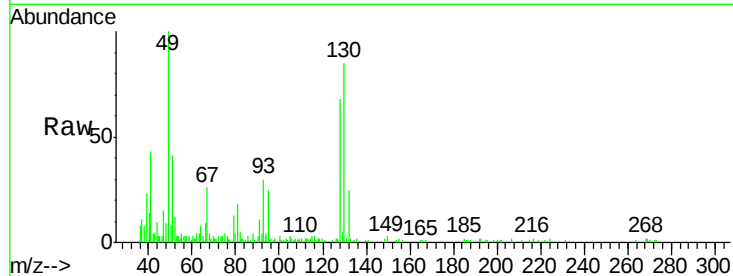
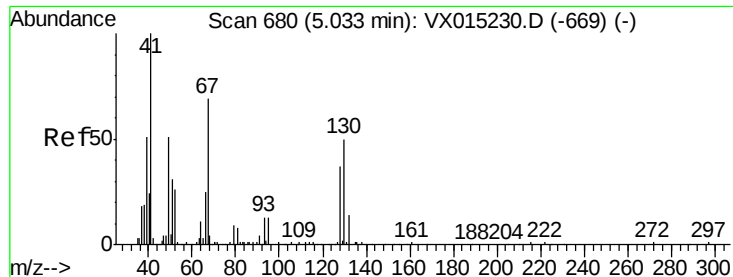
Delta R.T. -0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

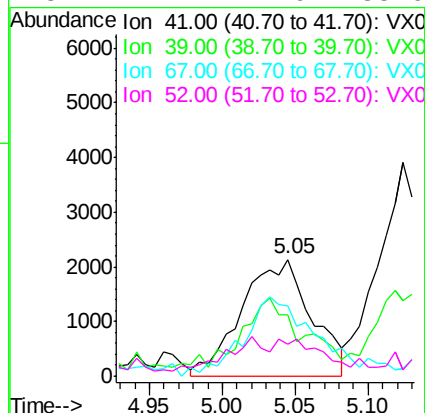
Tgt Ion:	78	Resp:	32174
Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.1	28.7
51	16.5	13.4	20.2





#35
Methacrylonitrile
Concen: 2.795 ug/l m
RT: 5.05 min Scan# 682
Delta R.T. 0.01 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tot Ion	41	Resp:	7076
Ion Ratio	Lower	Upper	
41	100		
39	52.8	25.7	77.1
67	60.3	34.3	102.8
52	27.4	12.9	38.6



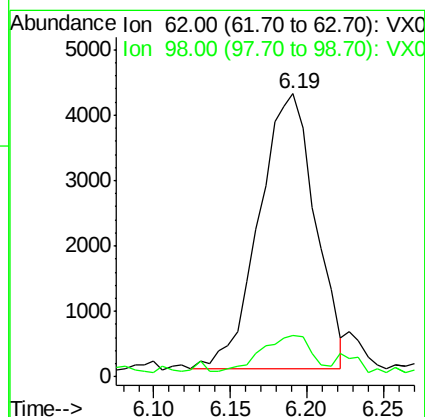
Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

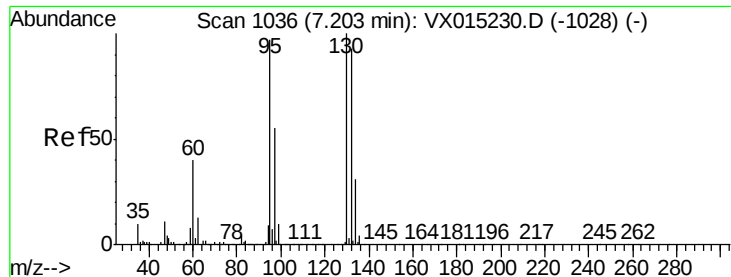
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#36
1,2-Dichloroethane
Concen: 2.418 ug/l
RT: 6.19 min Scan# 870
Delta R.T. -0.18 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	62	Resp:	10686
Ion Ratio	Lower	Upper	
62	100		
98	12.5	8.4	12.6





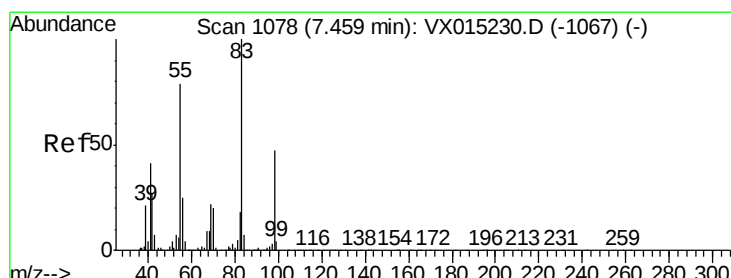
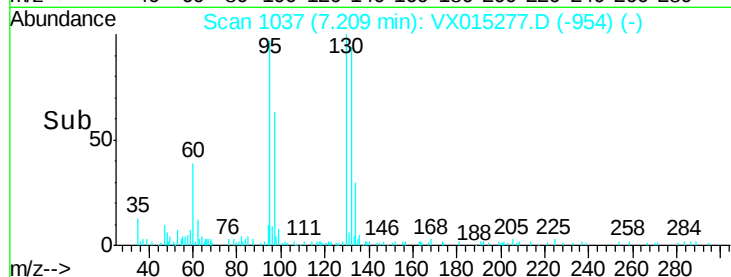
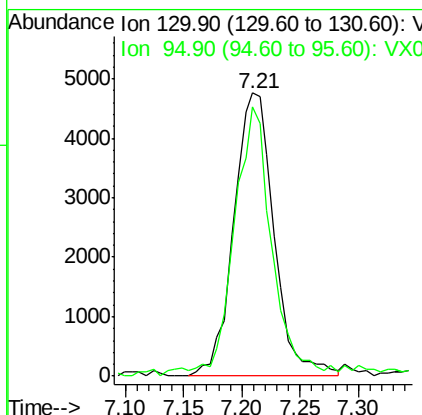
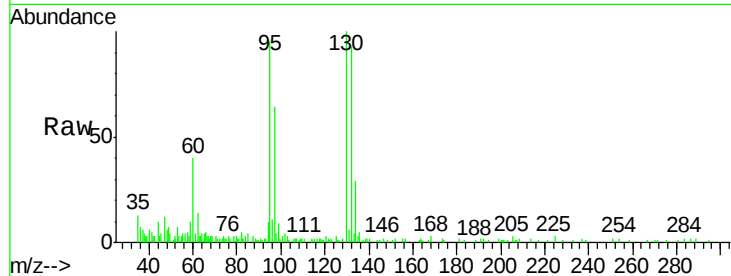
#37
 Trichloroethene
 Concen: 3.127 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:130 Resp: 11459
 Ion Ratio Lower Upper
 130 100
 95 93.4 77.4 116.0

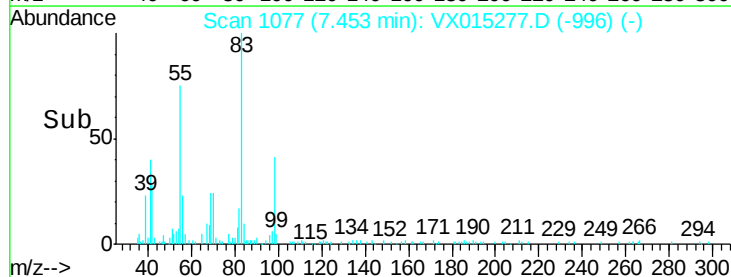
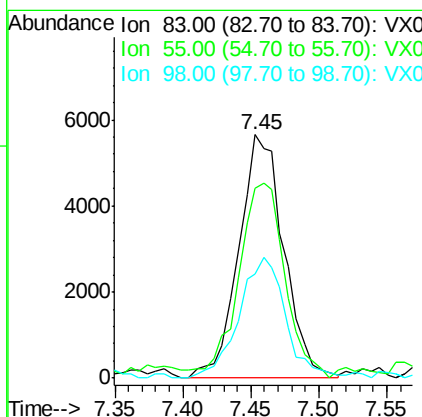
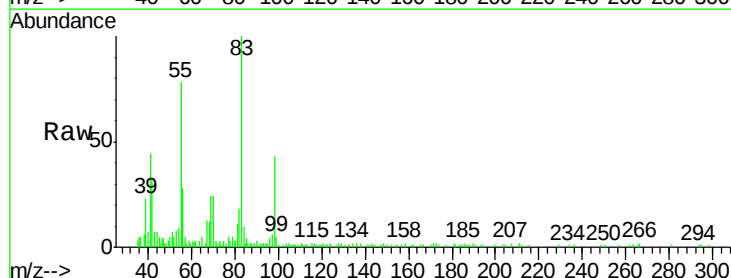
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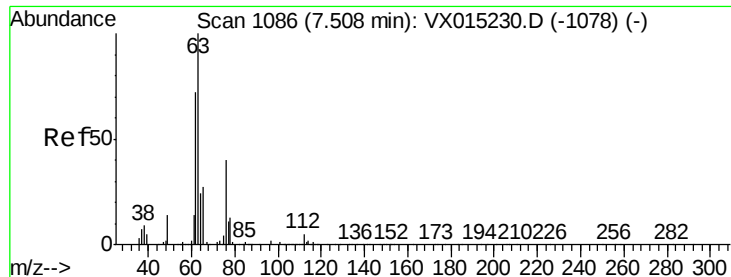
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#38
 Methylcyclohexane
 Concen: 2.461 ug/l
 RT: 7.45 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Tgt Ion: 83 Resp: 13076
 Ion Ratio Lower Upper
 83 100
 55 81.5 39.1 117.2
 98 51.2 24.4 73.2





#39

1,2-Dichloropropane

Concen: 2.490 ug/l

RT: 7.51 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 63 Resp: 8523

Ion Ratio Lower Upper

63 100

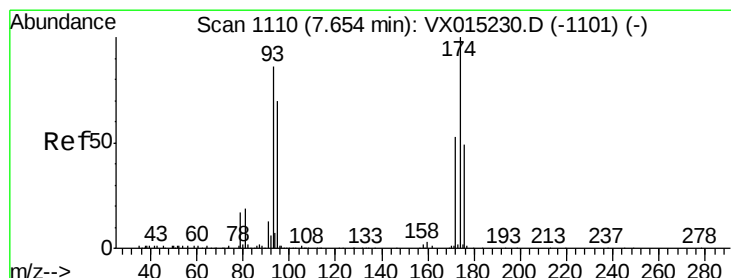
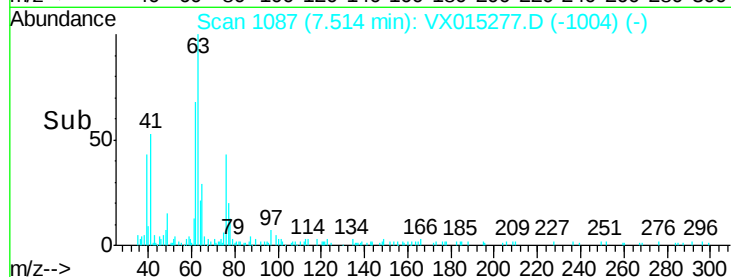
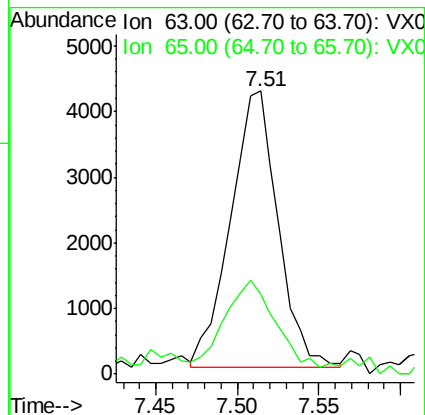
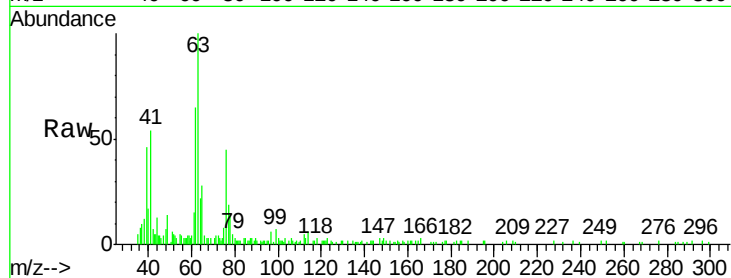
65 26.0 23.2 34.8

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#40

Dibromomethane

Concen: 2.793 ug/l

RT: 7.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

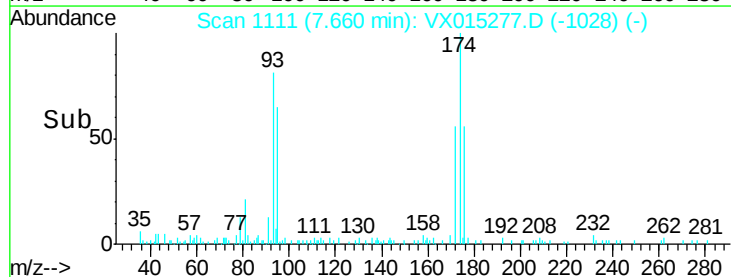
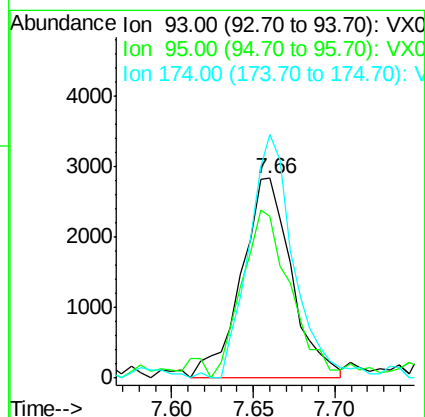
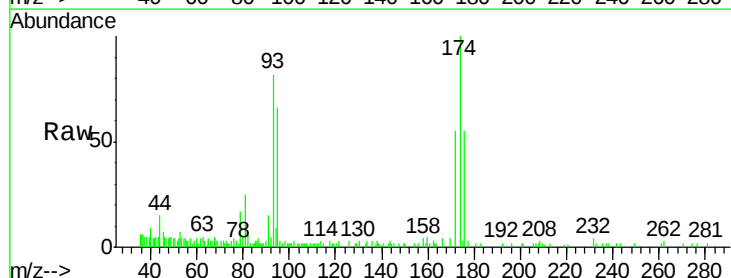
Tgt Ion: 93 Resp: 6076

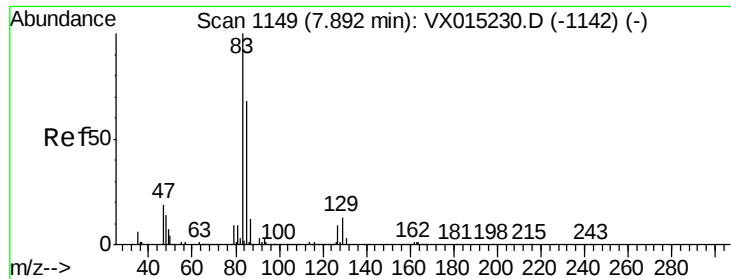
Ion Ratio Lower Upper

93 100

95 81.4 0.0 162.6

174 108.1 0.0 233.6





#41

Bromodichloromethane

Concen: 2.402 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

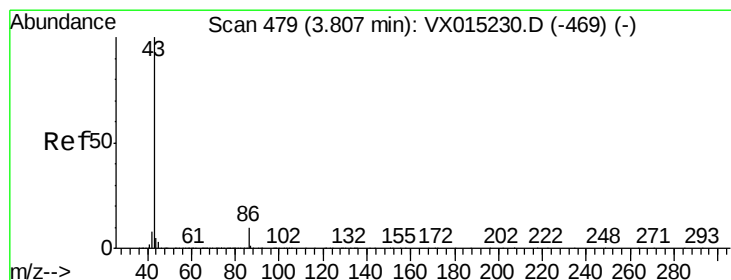
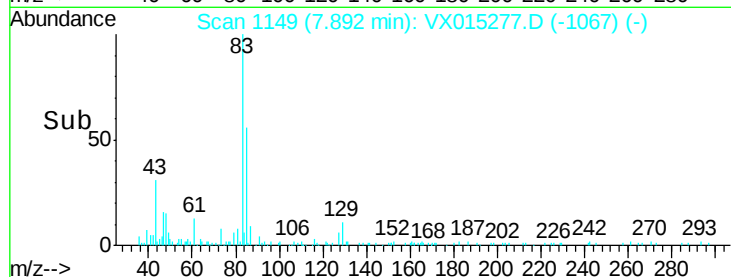
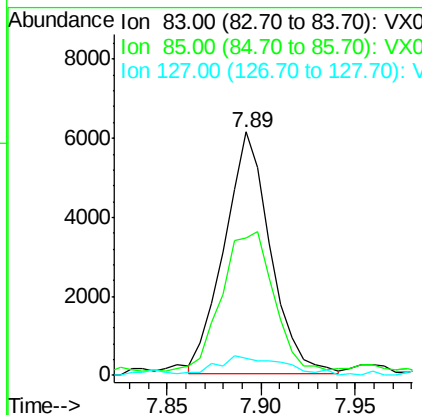
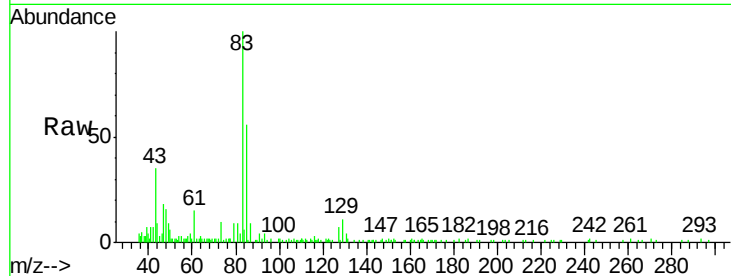
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	83	Resp:	10334
Ion Ratio	Lower	Upper	
83	100		
85	55.8	54.2	81.4
127	7.1	7.1	10.7#

Manual Integrations
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#42

Vinyl Acetate

Concen: 10.539 ug/l

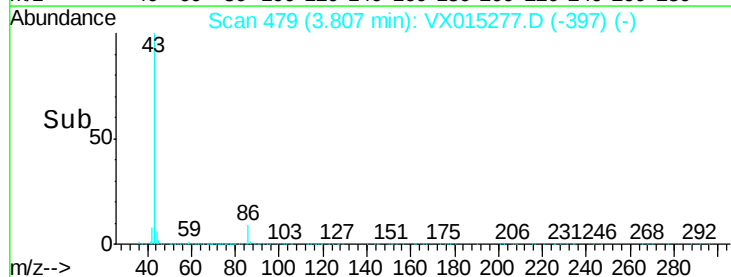
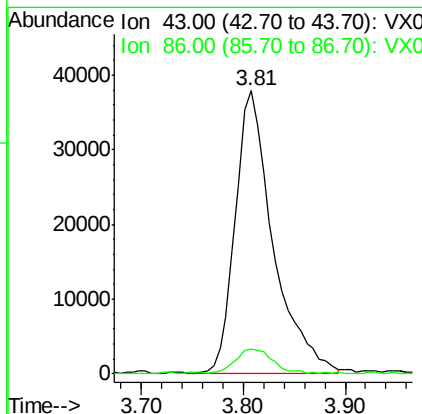
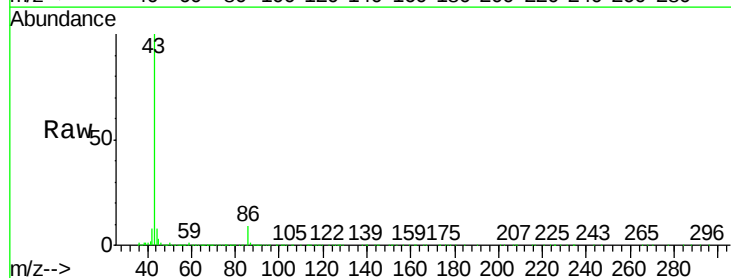
RT: 3.81 min Scan# 479

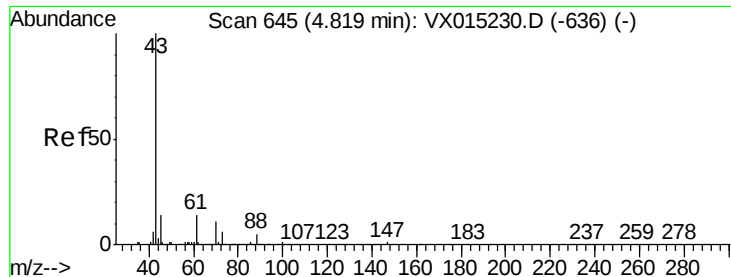
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	43	Resp:	97310
Ion Ratio	Lower	Upper	
43	100		
86	8.5	7.4	11.2





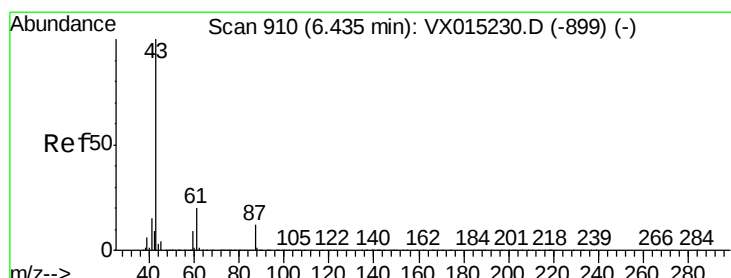
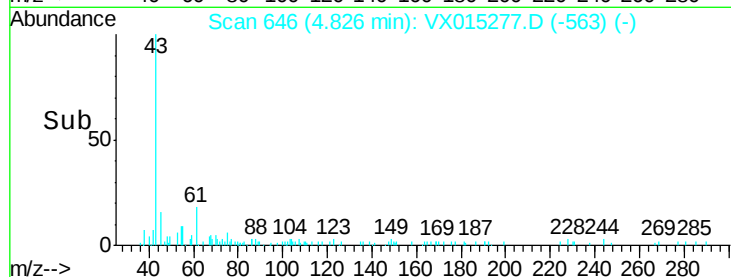
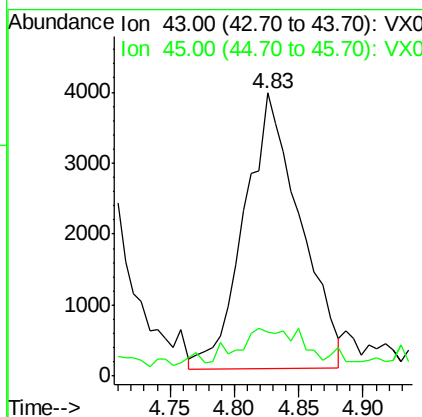
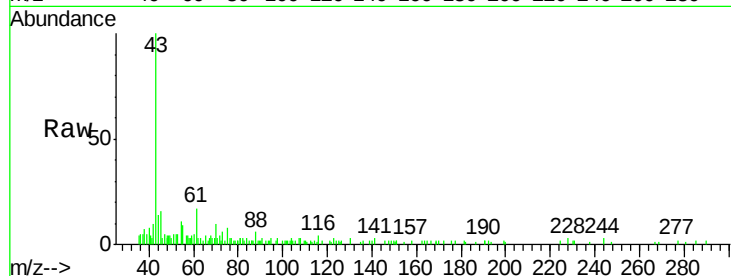
#43
Ethyl Acetate
Concen: 2.626 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
45	3.3	11.7	17.5#

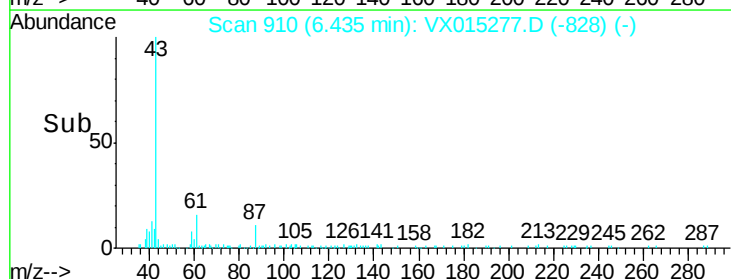
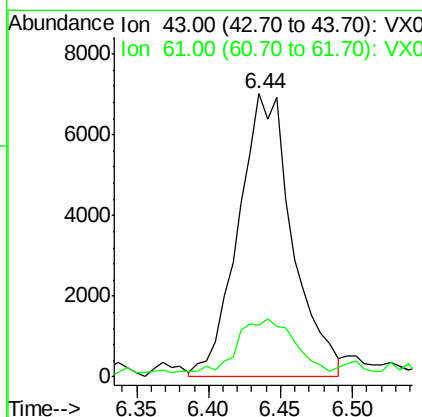
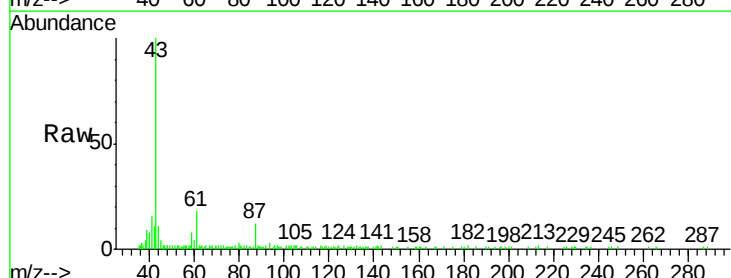
Manual Integrations
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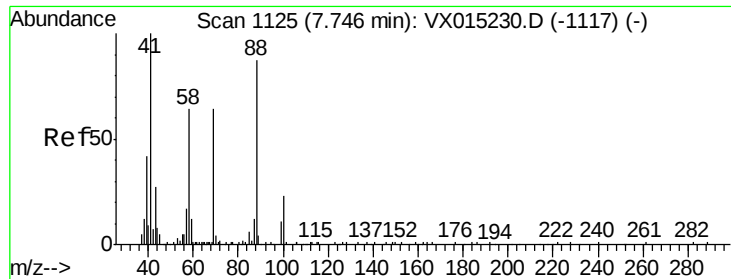
MMDadoda
3/16/2020 2:07:37 PM



#44
Isopropyl Acetate
Concen: 2.437 ug/l
RT: 6.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	17.0	25.4





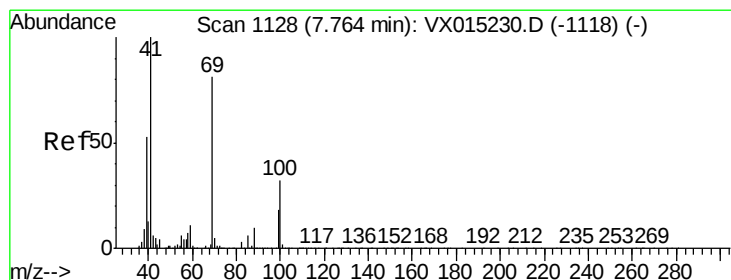
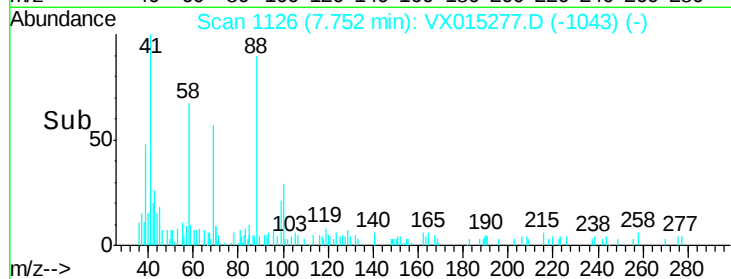
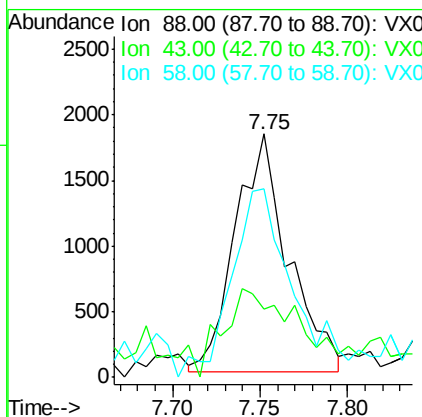
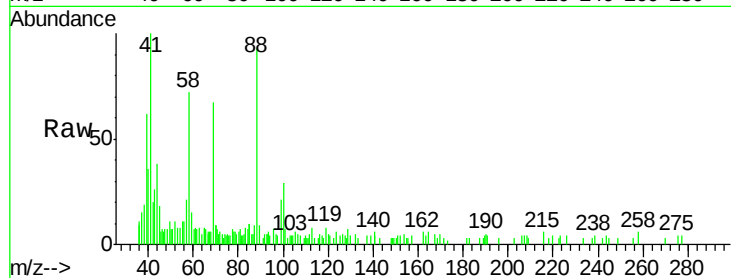
#45
 1,4-Dioxane
 Concen: 52.180 ug/l
 RT: 7.75 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	88	Resp:	3851
Ion	Ratio	Lower	Upper
88	100		
43	12.3	26.4	39.6#
58	68.6	57.3	85.9

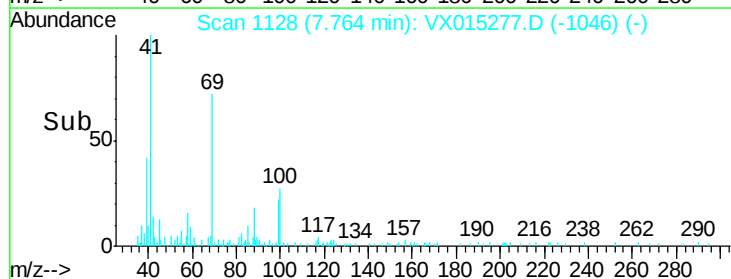
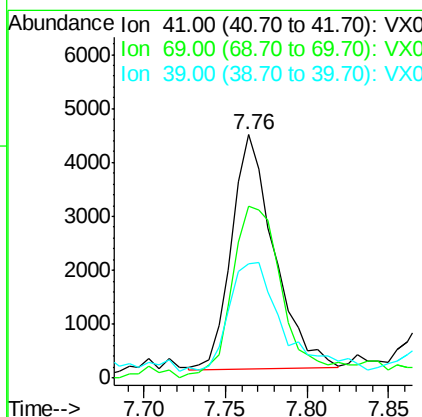
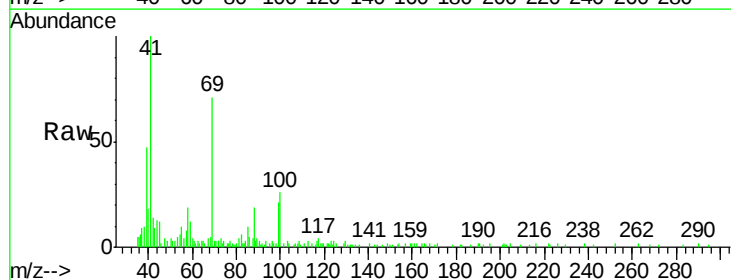
Manual Integrations
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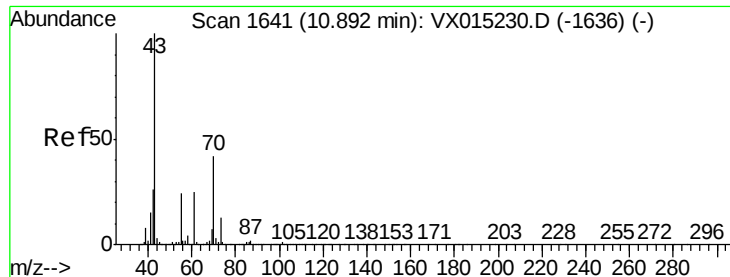
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#46
 Methyl methacrylate
 Concen: 2.139 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Tgt Ion:	41	Resp:	7924
Ion	Ratio	Lower	Upper
41	100		
69	72.1	40.5	121.4
39	45.1	26.6	79.8





#47

n-amvl Acetate

Concen: 1.976 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 43 Resp: 13321

Ion Ratio Lower Upper

43 100

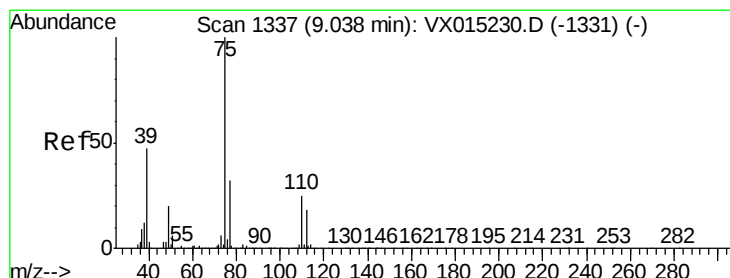
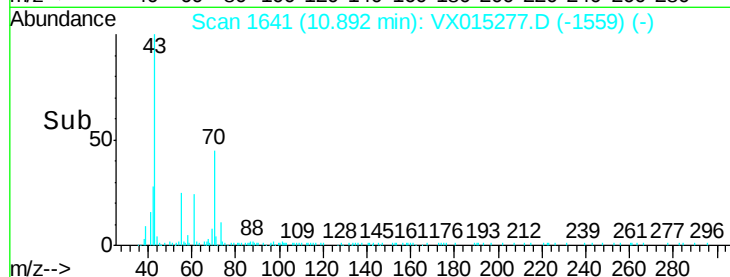
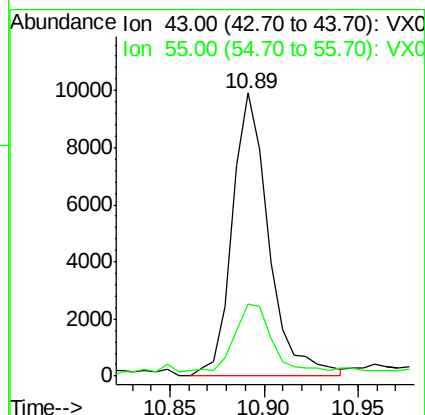
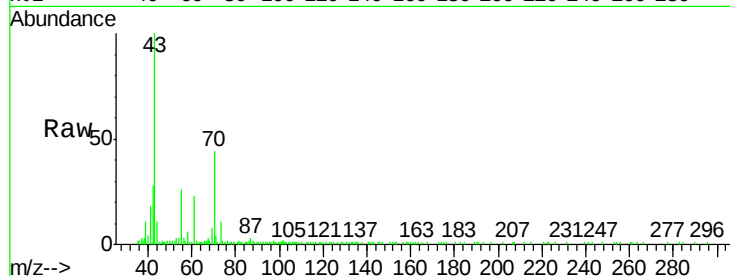
55 23.6 20.4 30.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 2.169 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX015277.D

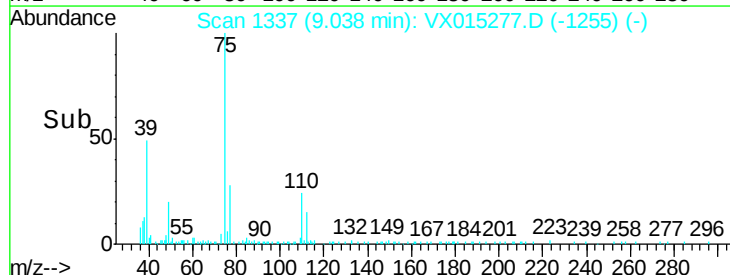
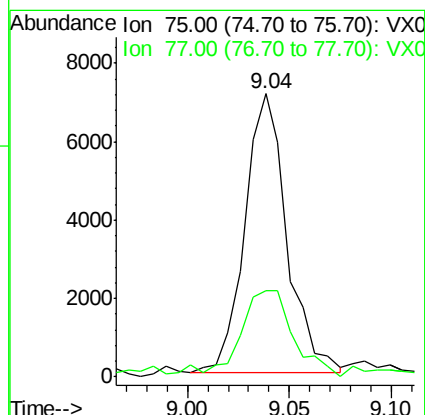
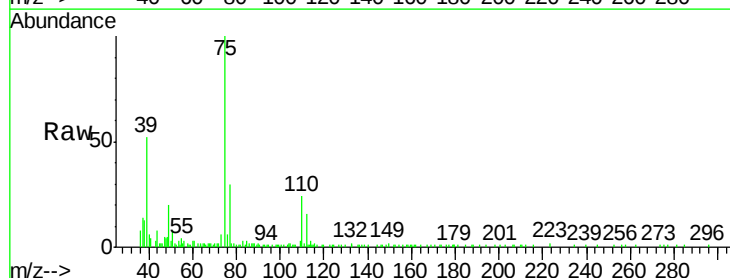
Acq: 13 Mar 2020 23:14

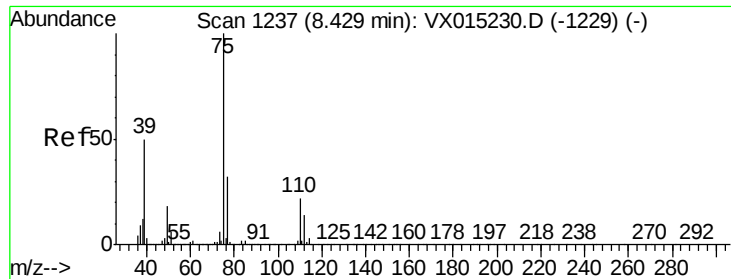
Tgt Ion: 75 Resp: 10149

Ion Ratio Lower Upper

75 100

77 30.9 25.1 37.7





#49

cis-1,3-Dichloropropene

Concen: 2.199 ug/l

RT: 8.43 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

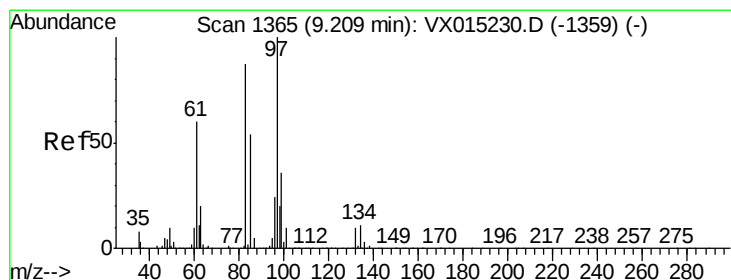
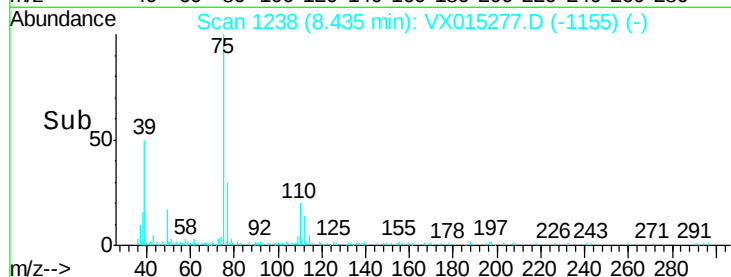
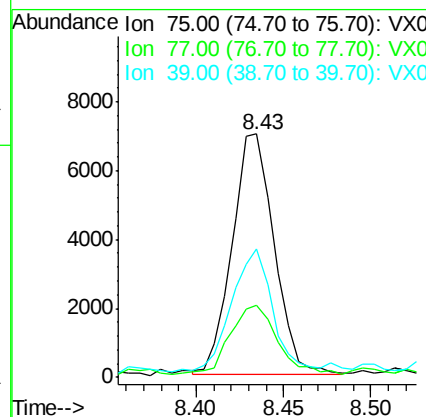
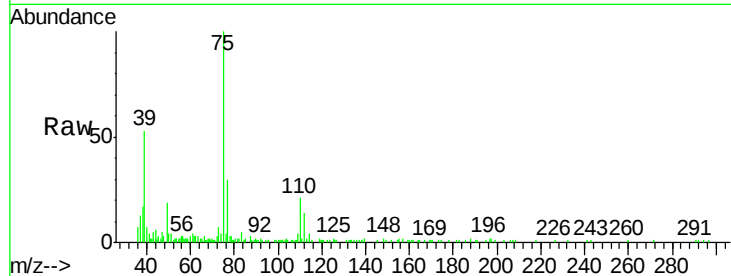
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	75	Resp:	11682
Ion Ratio	Lower	Upper	
75	100		
77	29.0	25.3	37.9
39	51.1	39.8	59.6

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 2.640 ug/l

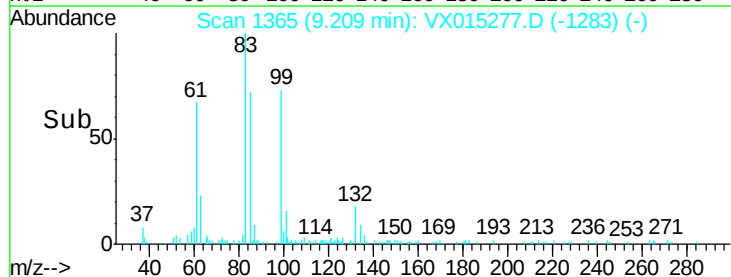
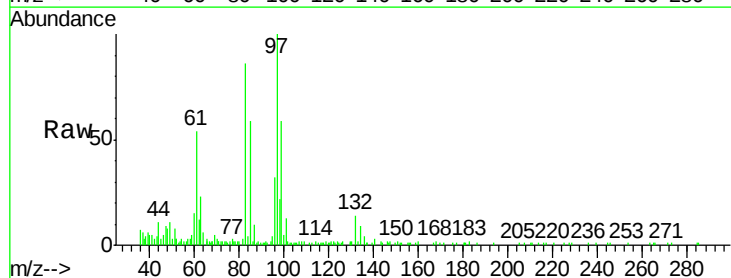
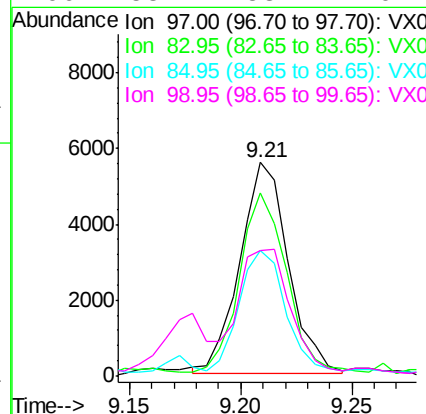
RT: 9.21 min Scan# 1365

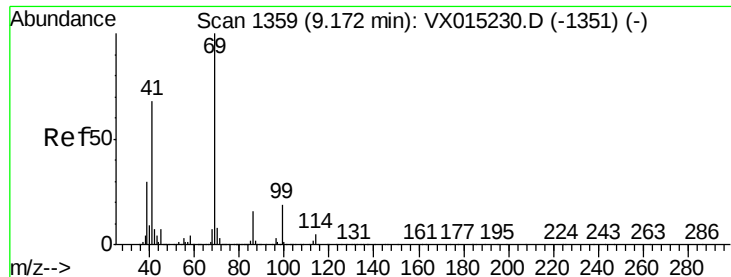
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	97	Resp:	8493
Ion Ratio	Lower	Upper	
97	100		
83	85.8	69.7	104.5
85	57.6	45.4	68.0
99	58.1	53.1	79.7





#51

Ethyl methacrylate

Concen: 2.226 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

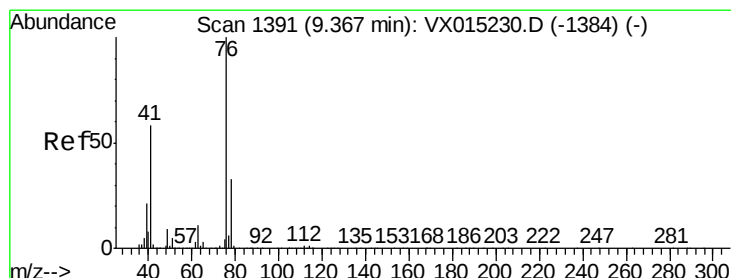
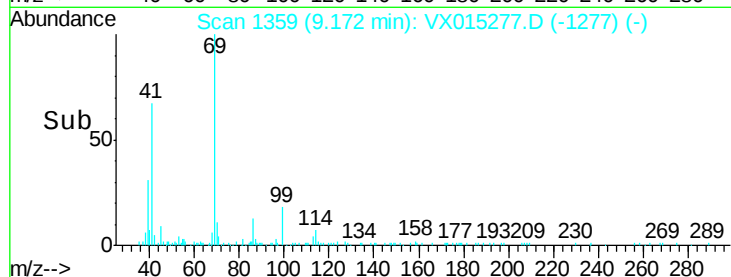
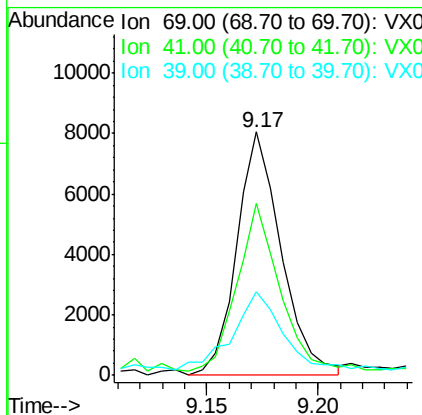
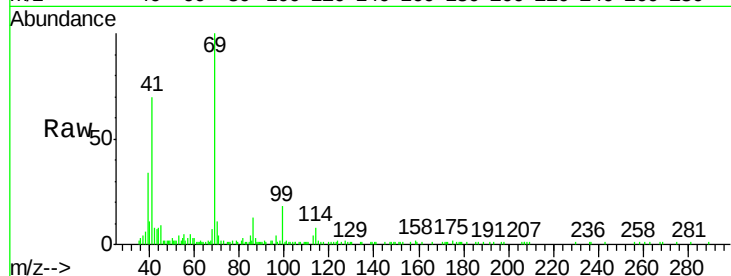
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	69	Resp:	11173
Ion Ratio	Lower	Upper	
69	100		
41	69.3	33.8	101.3
39	29.9	15.1	45.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 2.576 ug/l

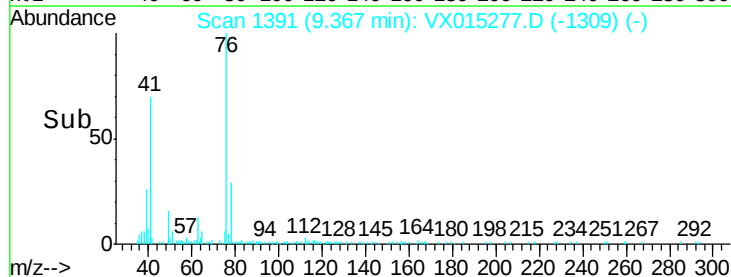
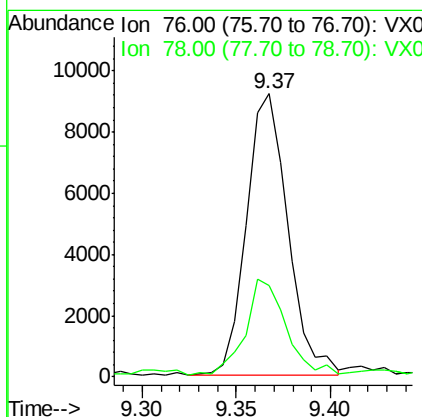
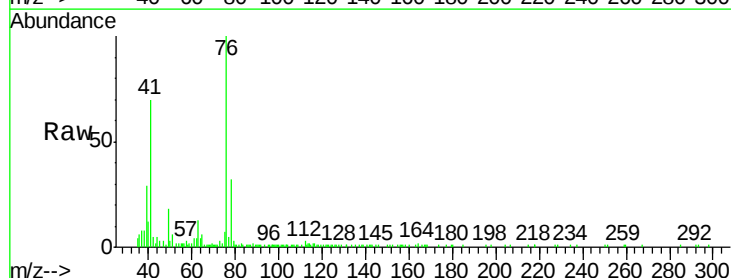
RT: 9.37 min Scan# 1391

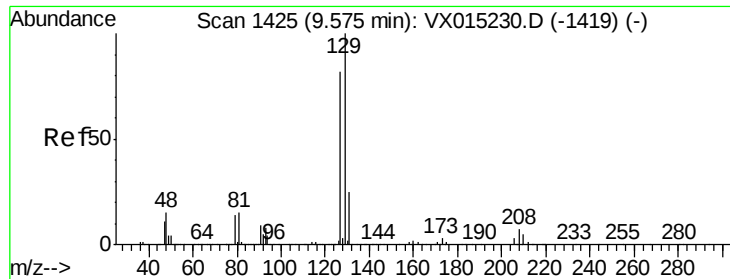
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	76	Resp:	14024
Ion Ratio	Lower	Upper	
76	100		
78	32.4	0.0	65.2





#53

Dibromochloromethane

Concen: 2.299 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:129 Resp: 7875

Ion Ratio Lower Upper

129 100

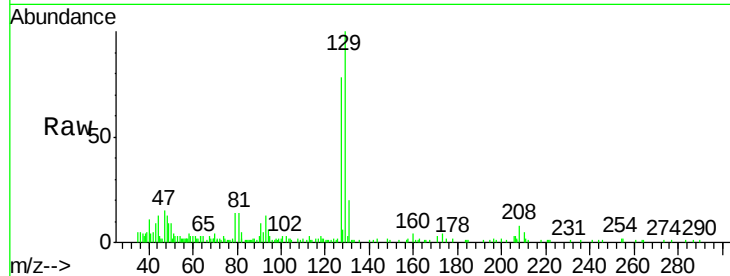
127 83.9 40.4 121.1

Manual Integrations

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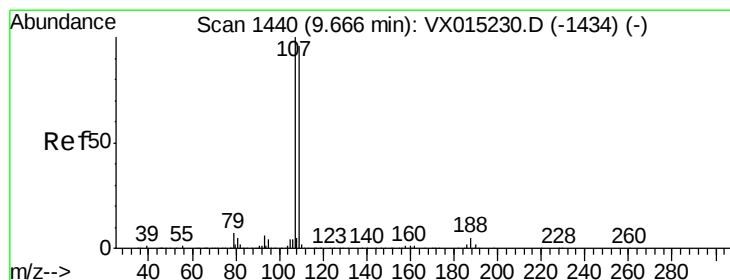
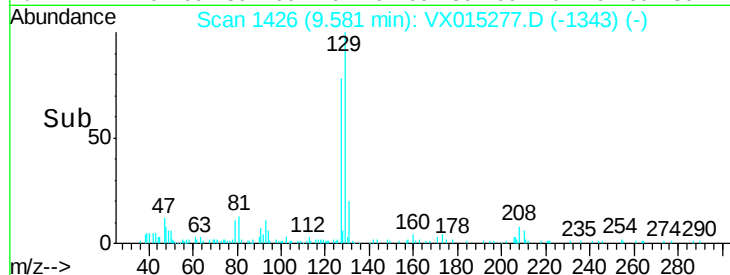
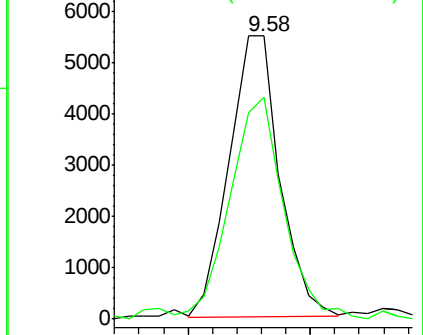
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.659 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015277.D

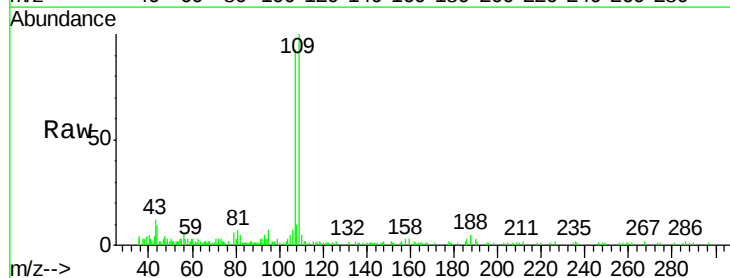
Acq: 13 Mar 2020 23:14

Tgt Ion:107 Resp: 8824

Ion Ratio Lower Upper

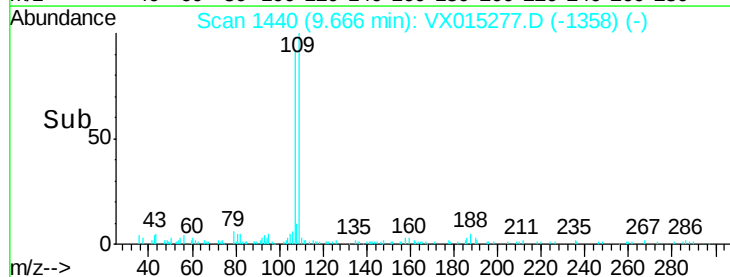
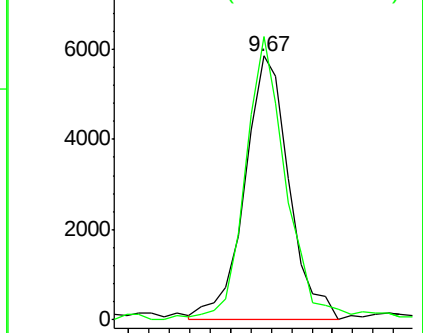
107 100

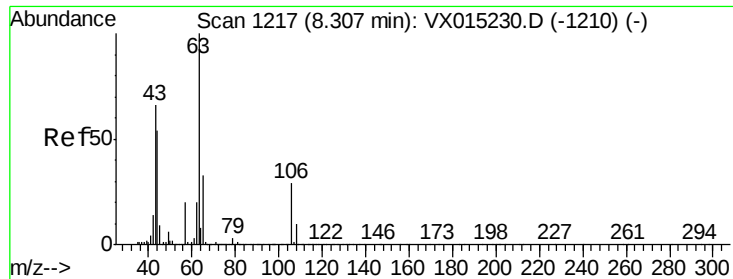
109 93.9 75.0 112.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





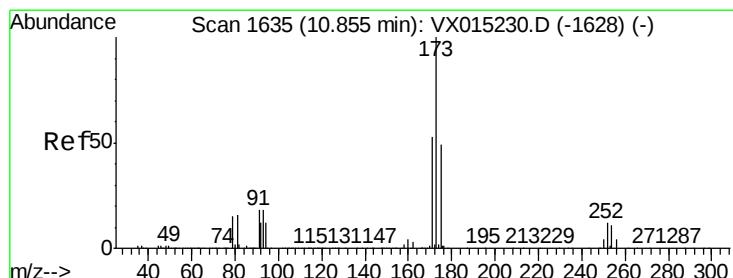
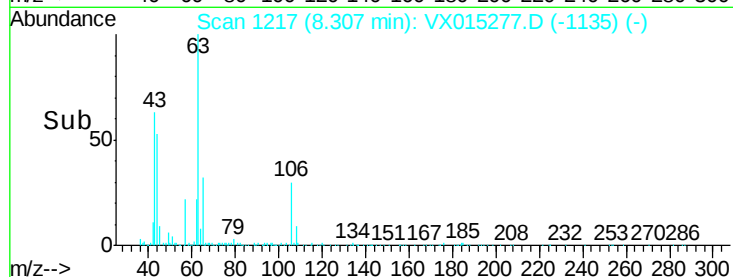
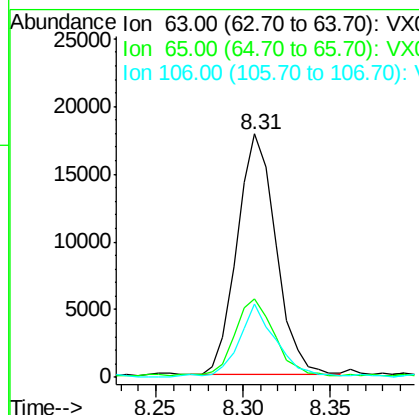
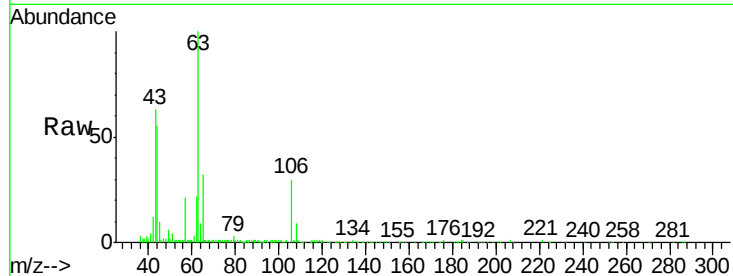
#55
2-Chloroethyl vinyl ether
Concen: 10.941 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.6	38.4
106	29.3	23.0	34.4

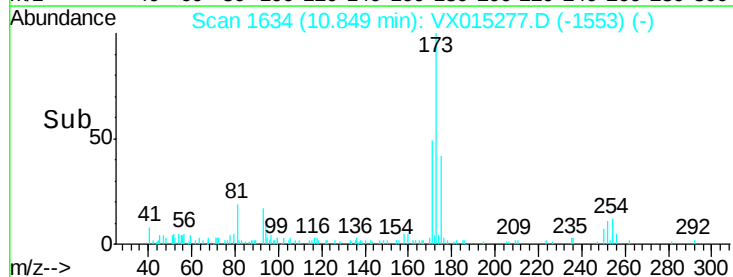
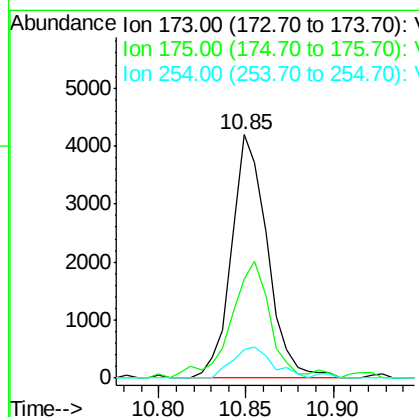
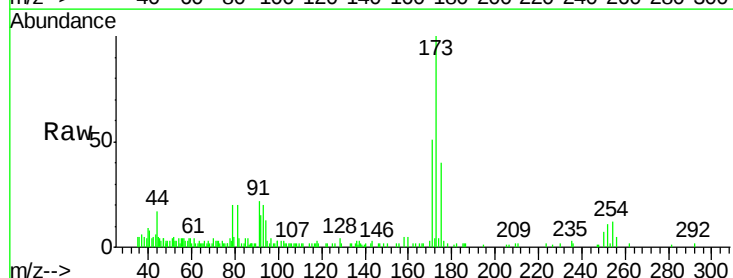
Manual Integrations
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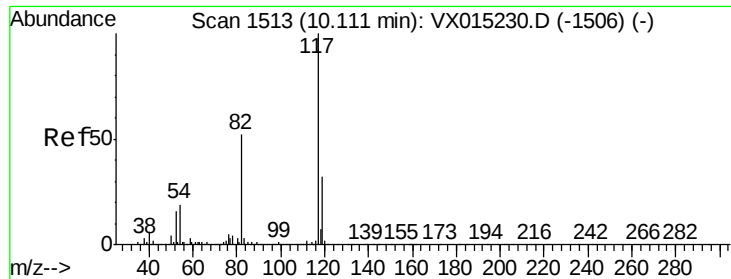
MMDadoda
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#56
Bromoform
Concen: 2.233 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.9	58.3
254	14.0	9.1	13.7#





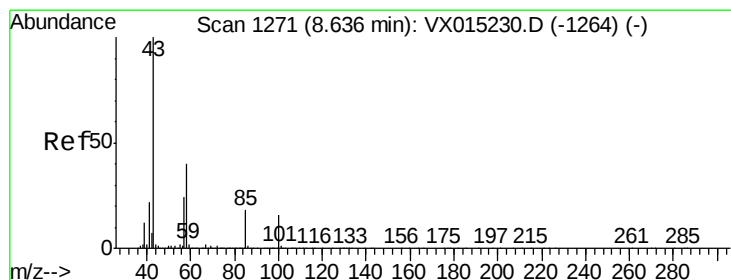
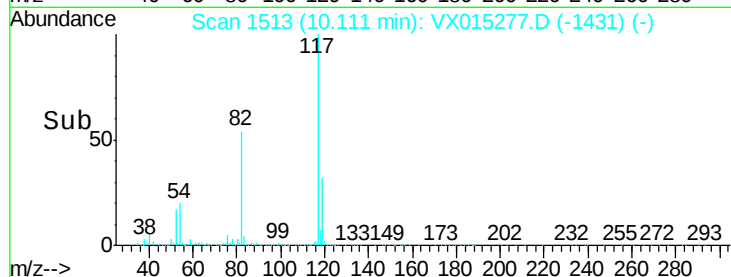
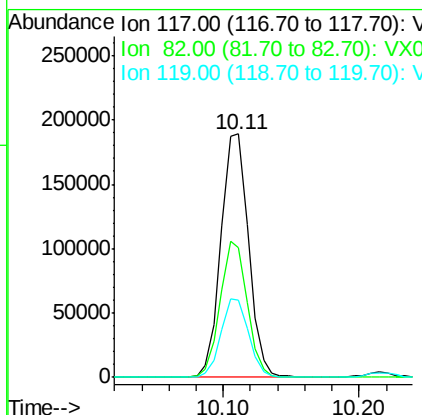
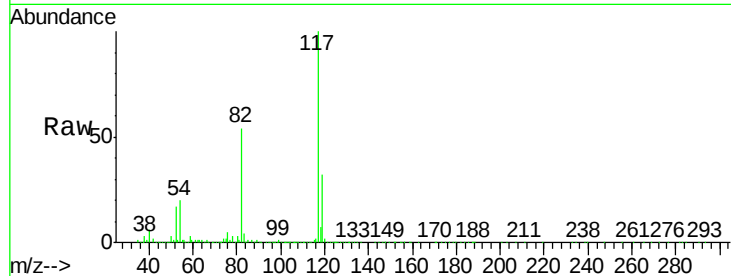
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.2	64.8
119	32.2	25.8	38.8

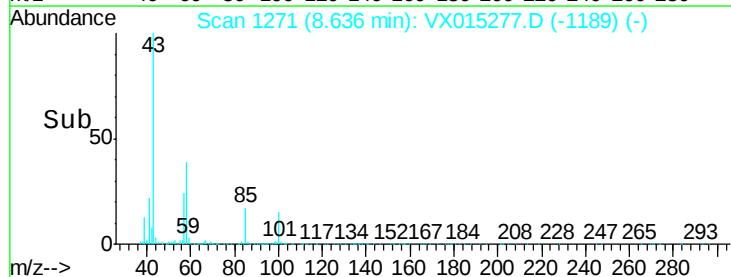
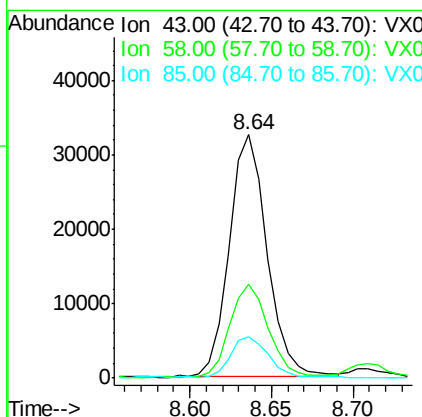
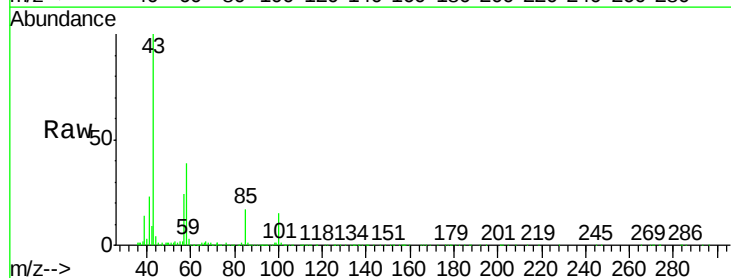
Manual Integrations
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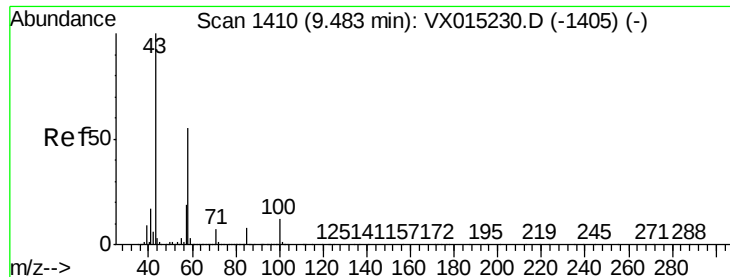
MMDadoda
3/16/2020 2:07:37 PM



#58
4-Methyl-2-Pentanone
Concen: 11.563 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.6	47.4
85	17.3	13.8	20.8





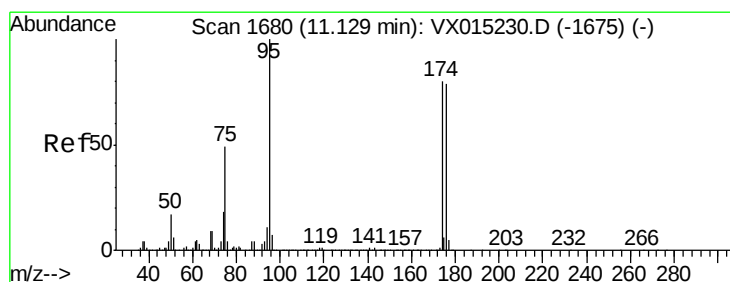
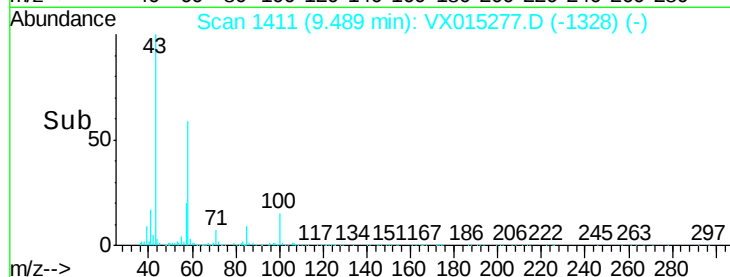
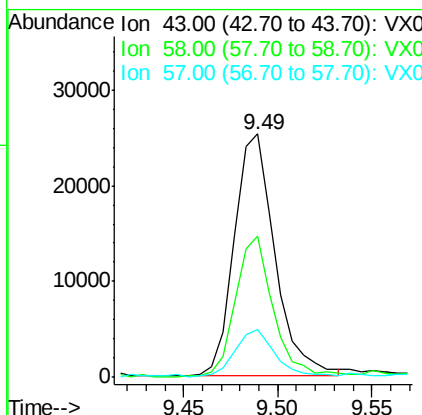
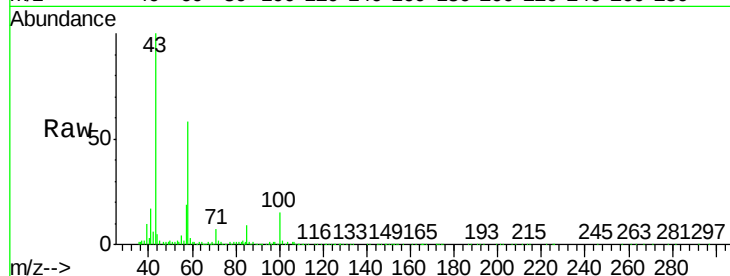
#59
2-Hexanone
Concen: 10.983 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	44.6	66.8
57	18.7	14.6	21.8

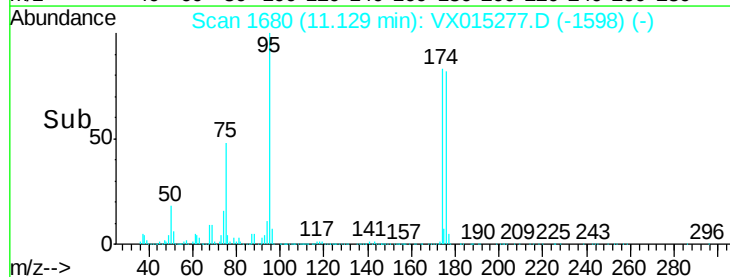
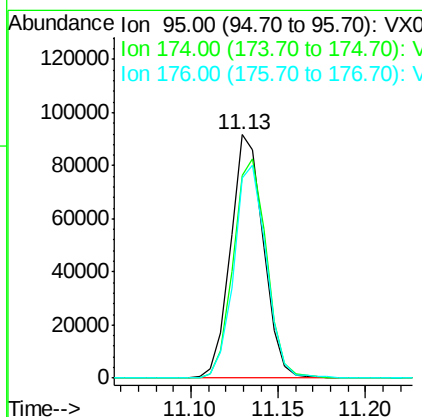
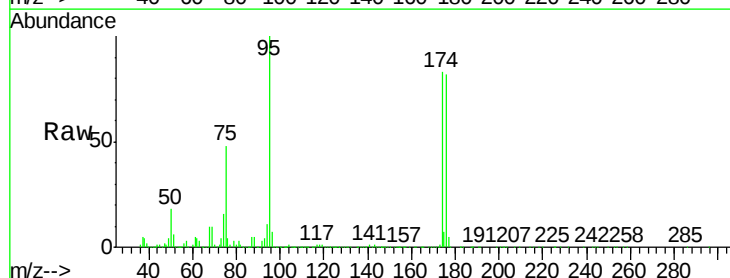
Manual Integrations
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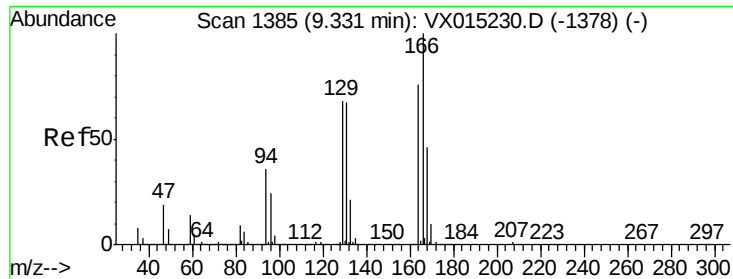
MMDadoda
3/16/2020 2:07:37 PM



#60
4-Bromofluorobenzene
Concen: 27.938 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	72.0	108.0
176	87.2	70.1	105.1





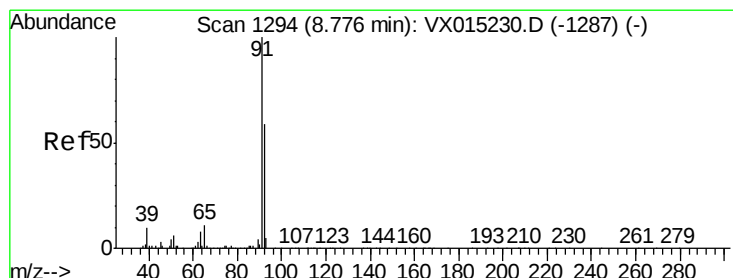
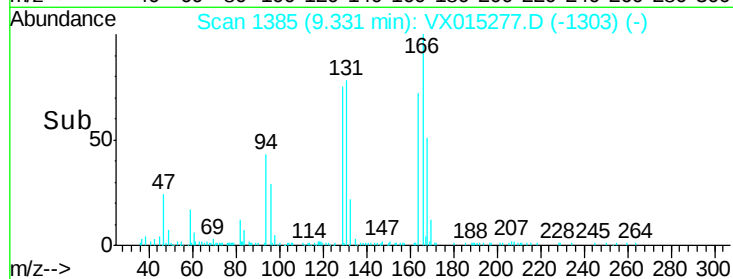
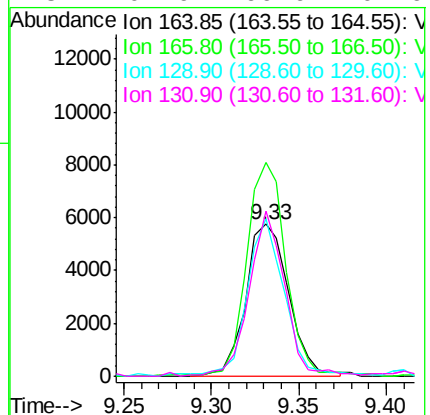
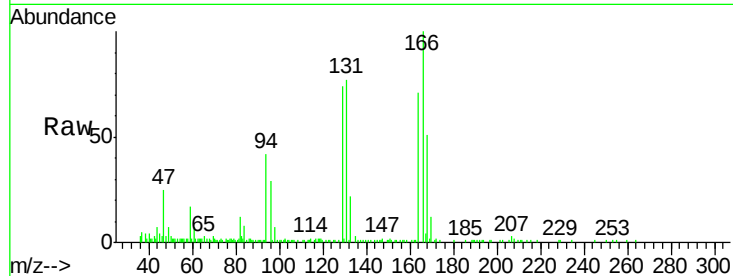
#61
Tetrachloroethene
Concen: 2.616 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	139.7	105.1	157.7
129	102.2	71.5	107.3
131	107.9	69.9	104.9

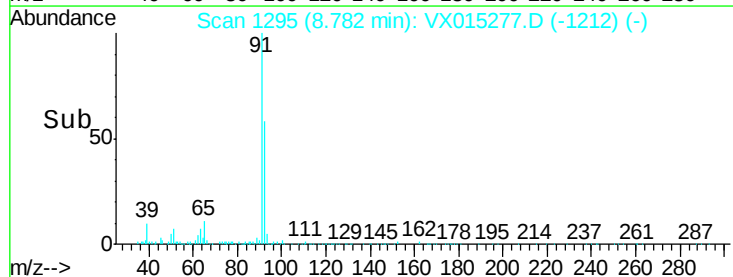
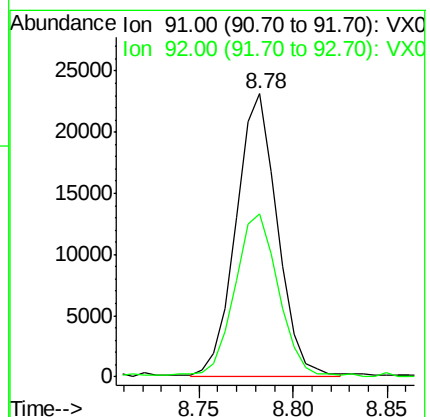
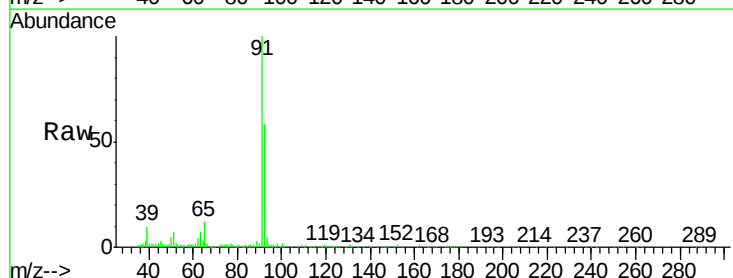
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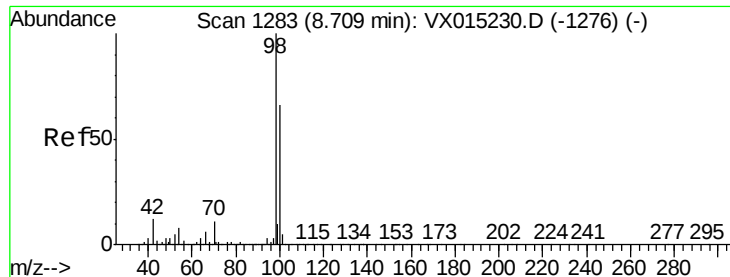
MMDadoda
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#62
Toluene
Concen: 2.479 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.5	47.1	70.7





#63

Toluene-d8

Concen: 29.651 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 98 Resp: 340162

Ion Ratio Lower Upper

98 100

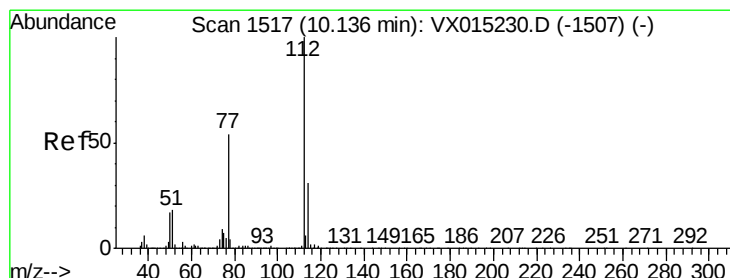
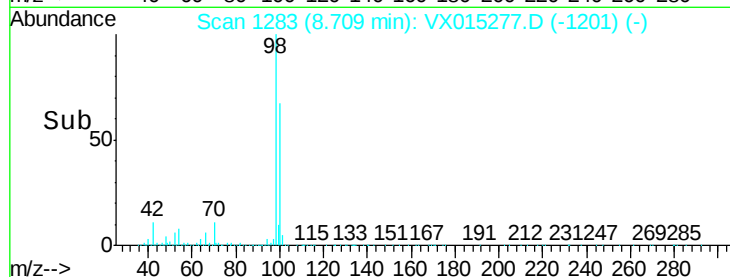
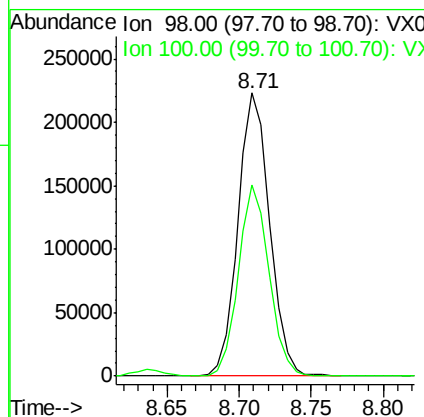
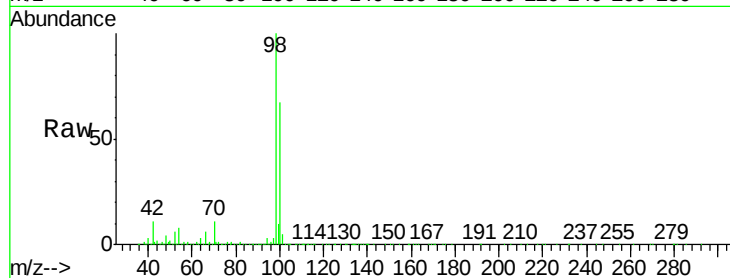
100 65.5 53.0 79.4

Manual Integrations

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#64

Chlorobenzene

Concen: 2.610 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015277.D

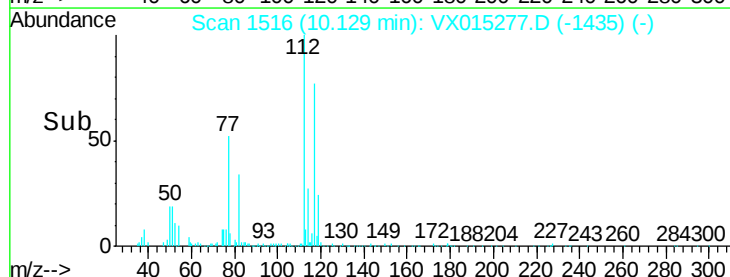
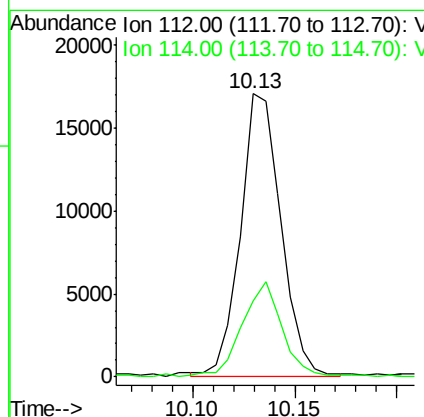
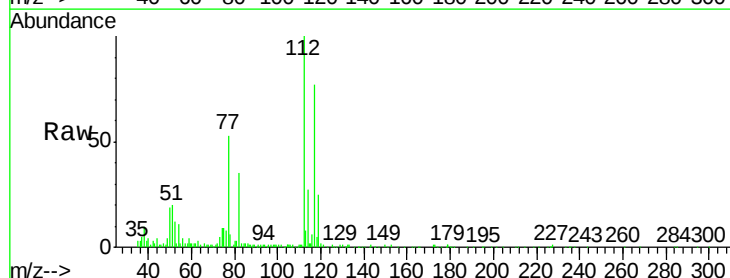
Acq: 13 Mar 2020 23:14

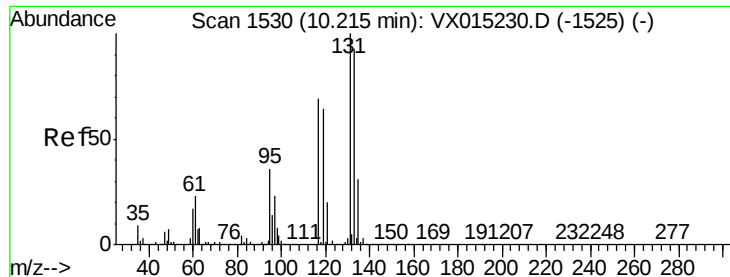
Tgt Ion: 112 Resp: 23635

Ion Ratio Lower Upper

112 100

114 26.6 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.157 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

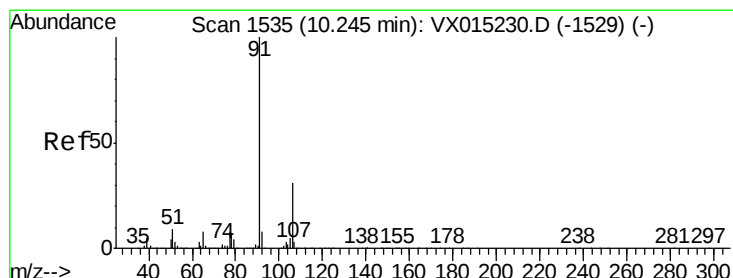
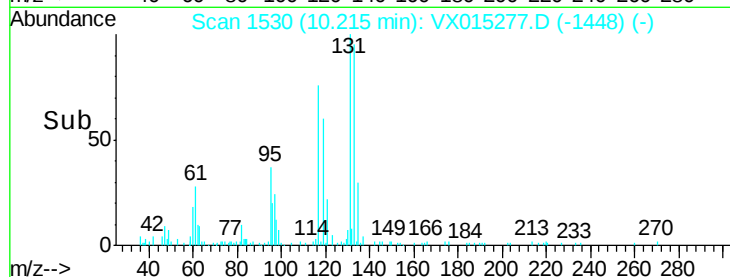
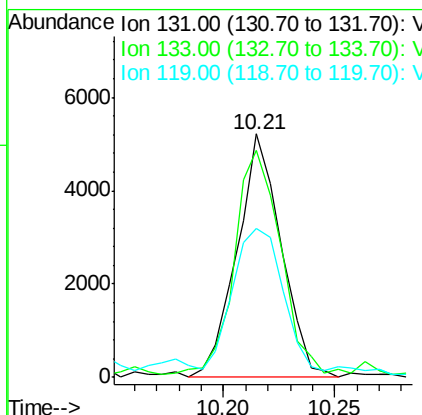
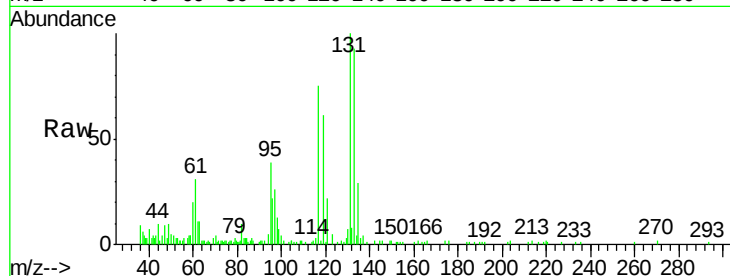
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	131	Resp:	7195
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	188.0
119	68.3	0.0	131.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 2.258 ug/l

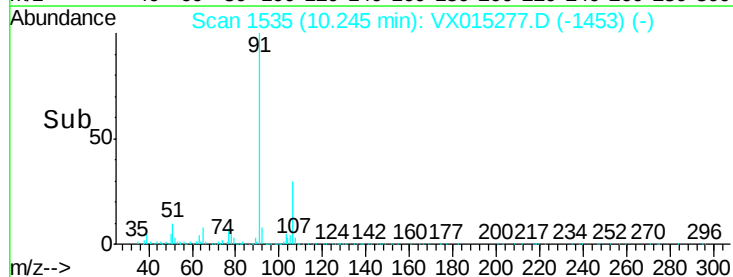
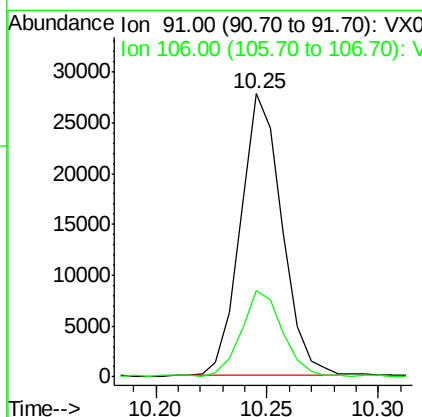
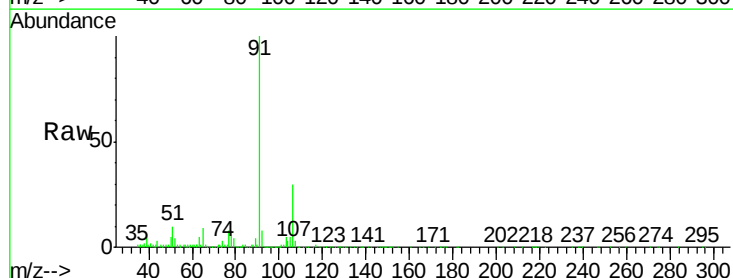
RT: 10.25 min Scan# 1535

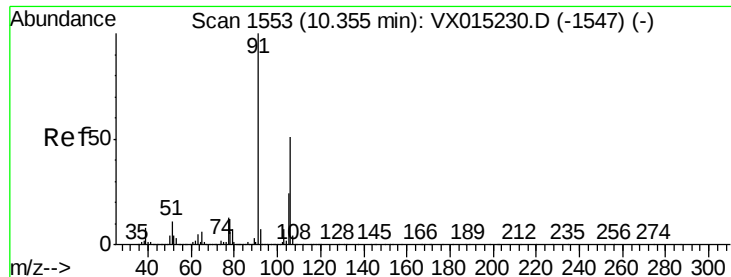
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	91	Resp:	35643
Ion Ratio	Lower	Upper	
91	100		
106	30.2	24.9	37.3





#67

m/p-Xylenes

Concen: 4.513 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:106 Resp: 27352

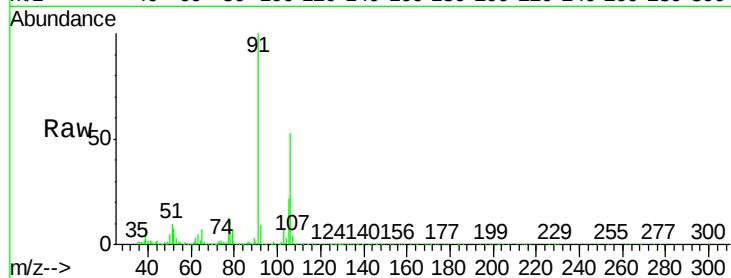
Ion Ratio Lower Upper

106 100

91 195.1 160.1 240.1

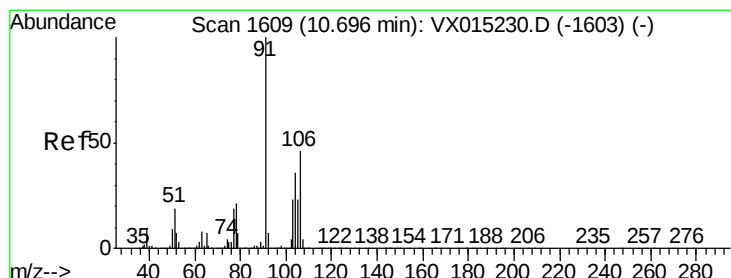
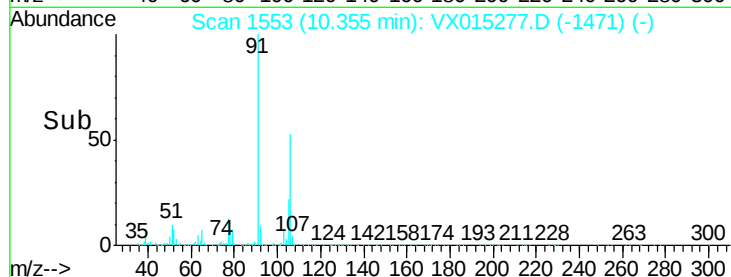
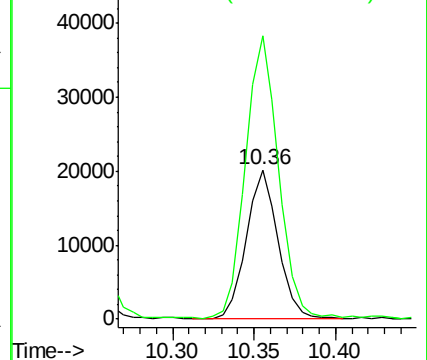
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 2.301 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX015277.D

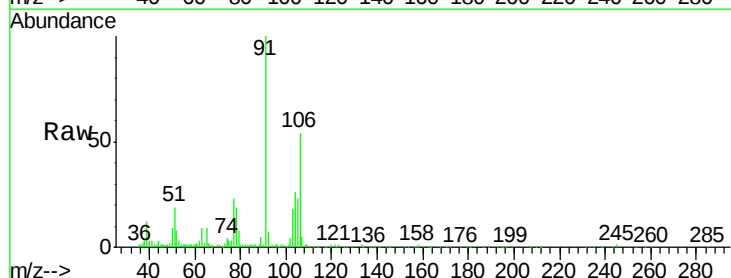
Acq: 13 Mar 2020 23:14

Tgt Ion:106 Resp: 13371

Ion Ratio Lower Upper

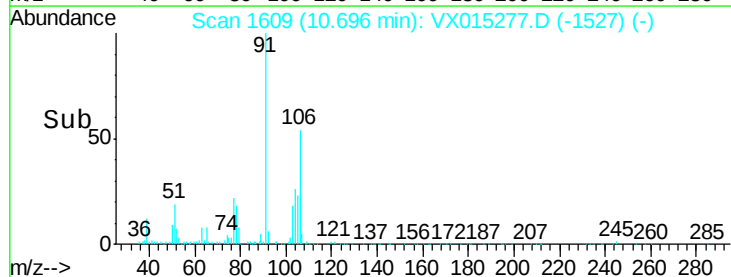
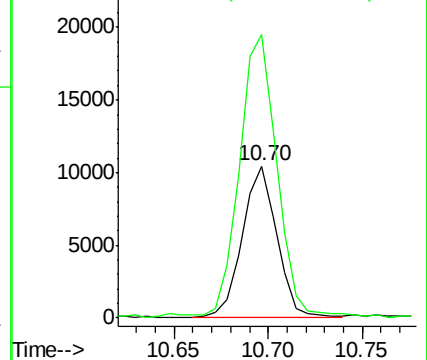
106 100

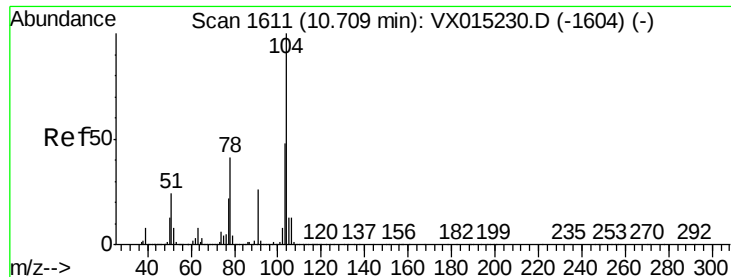
91 195.1 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





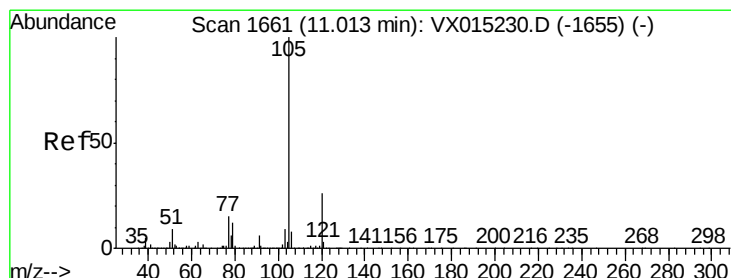
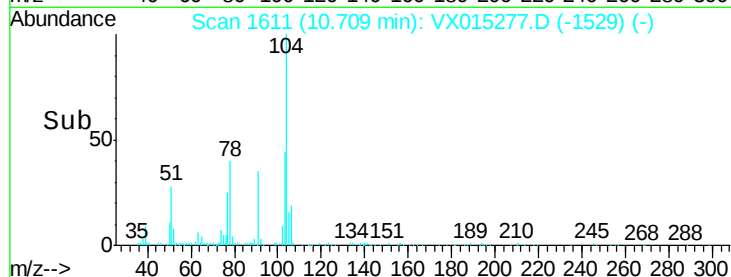
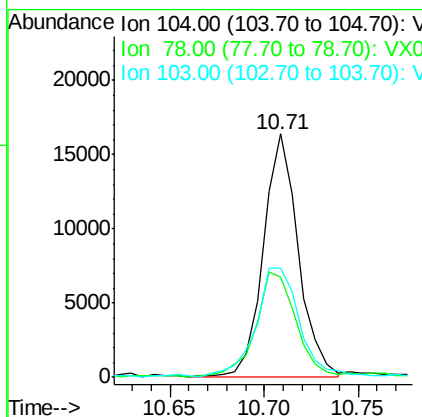
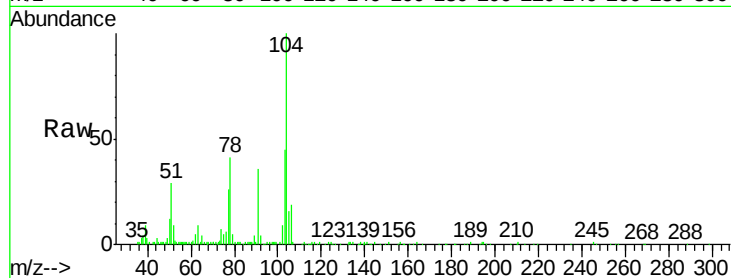
#69
Stvrene
Concen: 2.088 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	38.9	58.3
103	55.7	43.2	64.8

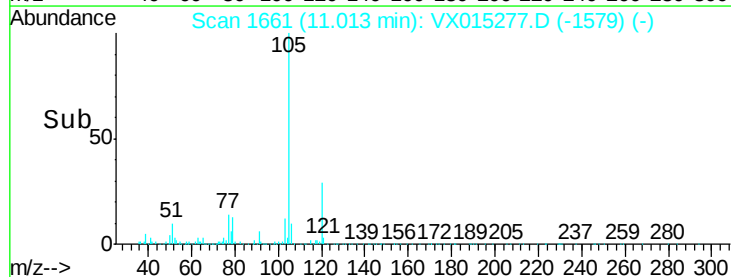
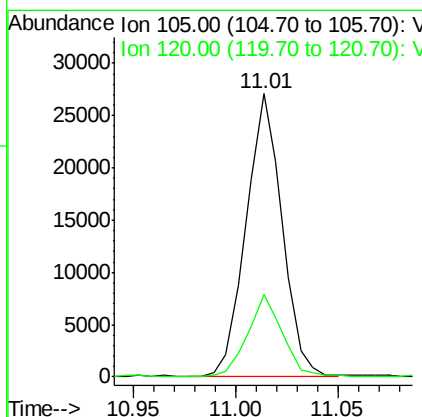
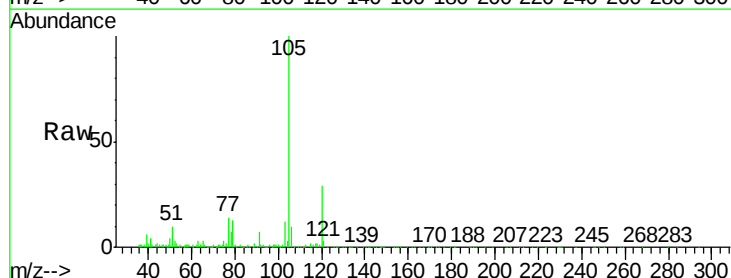
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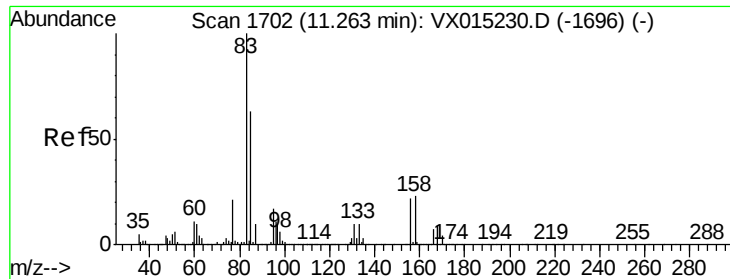
MMDadoda
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#70
Isopropylbenzene
Concen: 2.145 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 2.366 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

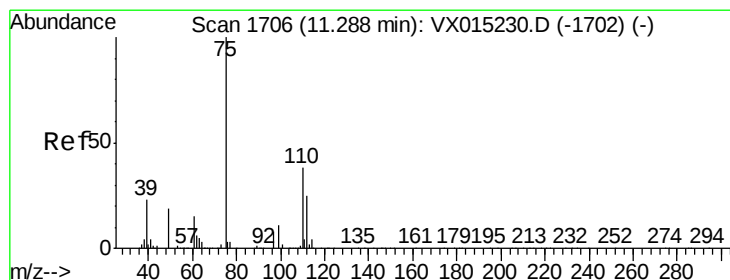
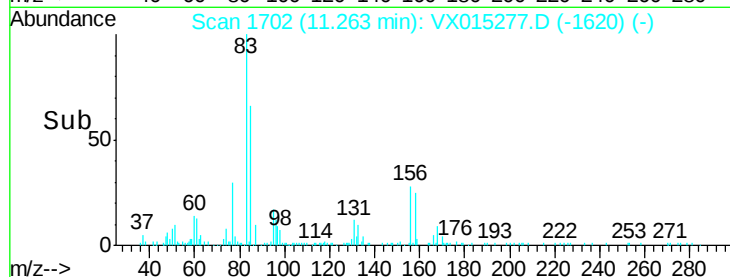
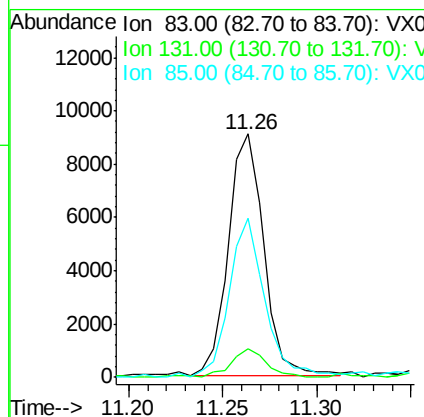
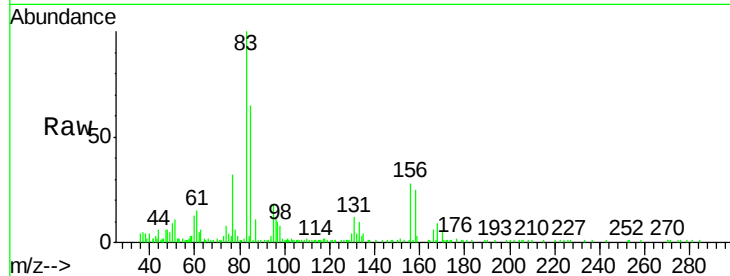
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	83	Resp:	11879
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.0	14.9
85	65.4	31.8	95.4

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#72

1,2,3-Trichloropropane

Concen: 2.620 ug/l m

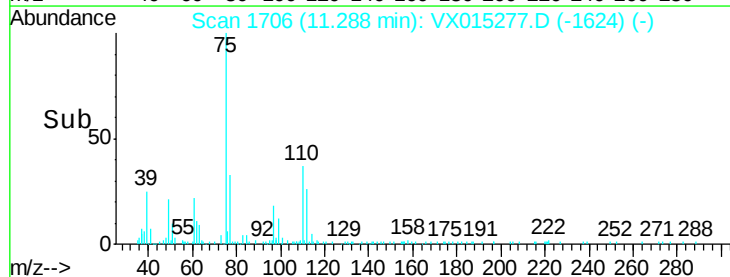
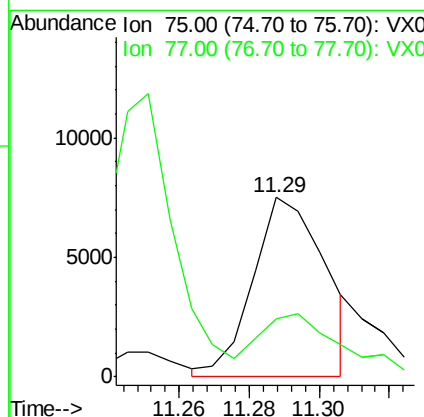
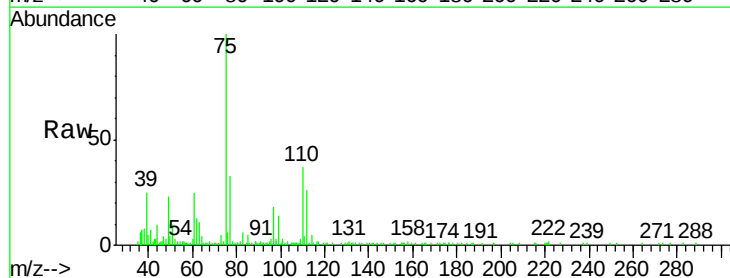
RT: 11.29 min Scan# 1706

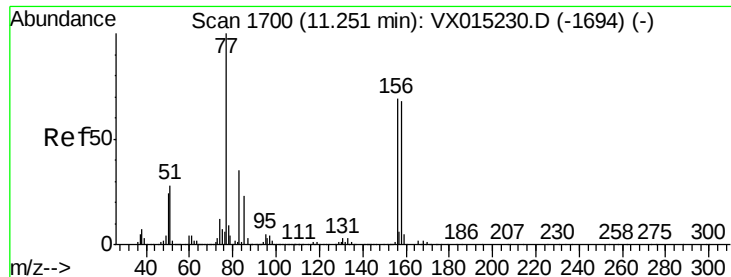
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	75	Resp:	10765
Ion Ratio	Lower	Upper	
75	100		
77	38.5	0.0	83.0





#73

Bromobenzene

Concen: 2.400 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

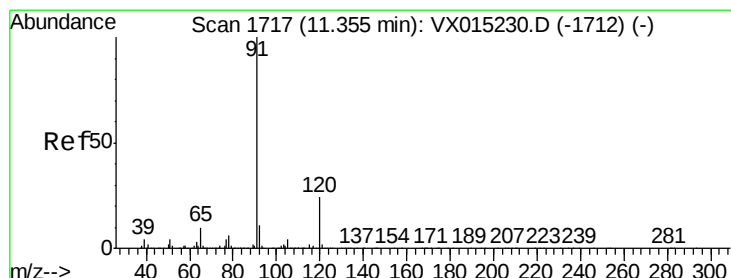
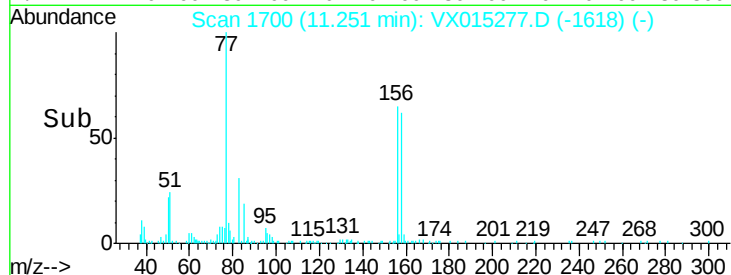
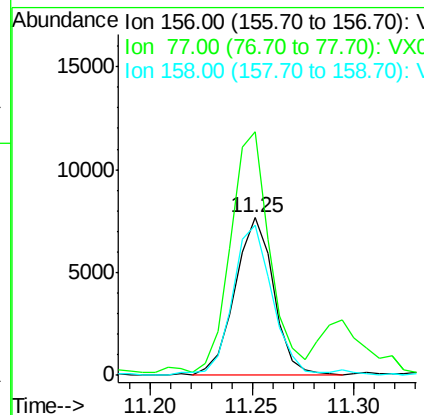
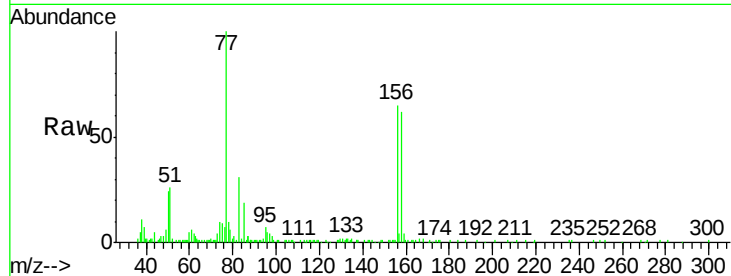
ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion:	156	Resp:	10121
Ion Ratio	Lower	Upper	
156	100		
77	154.3	0.0	305.0
158	96.0	0.0	197.2

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#74

n-propylbenzene

Concen: 2.259 ug/l

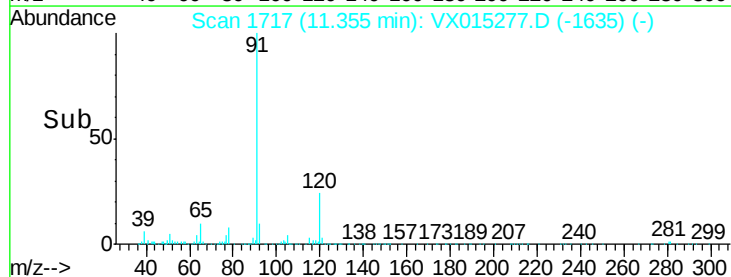
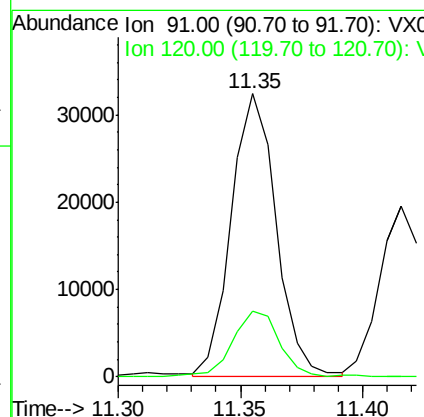
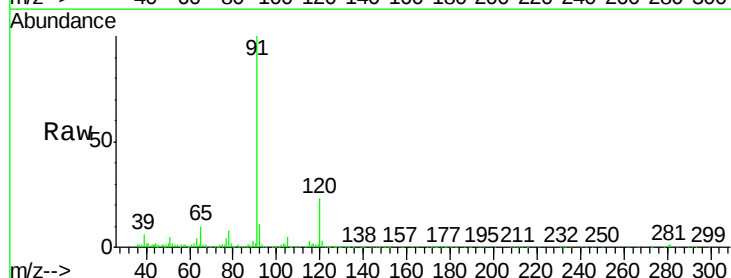
RT: 11.35 min Scan# 1717

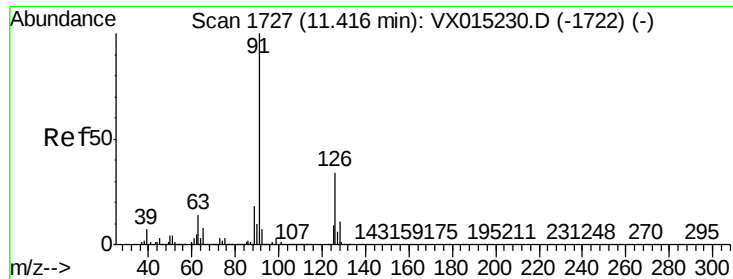
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion:	91	Resp:	41278
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	47.0





#75

2-Chlorotoluene

Concen: 2.387 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT1-2020DL

Tot Ion: 91 Resp: 25463

Ion Ratio Lower Upper

91 100

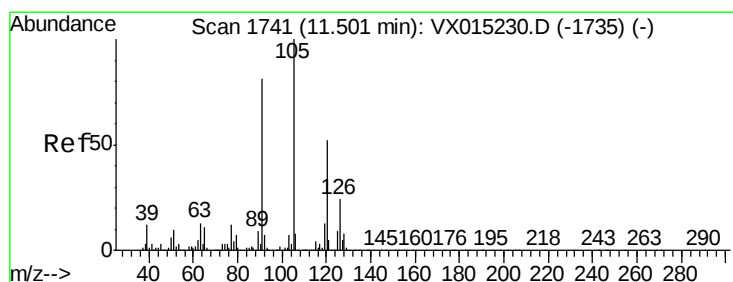
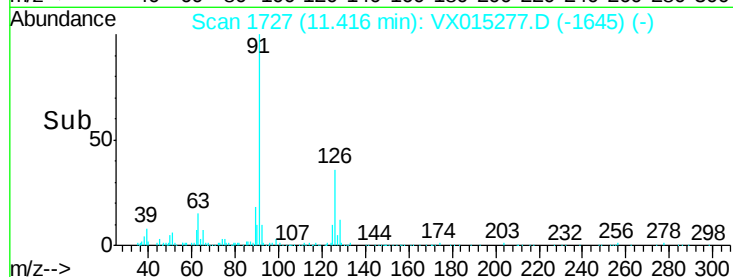
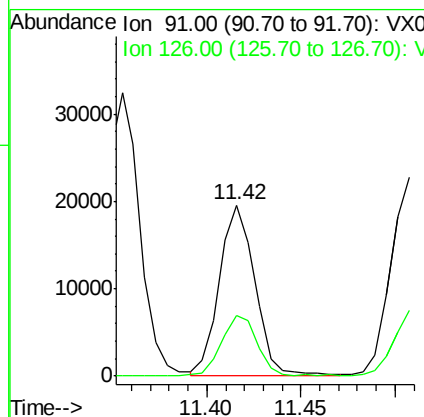
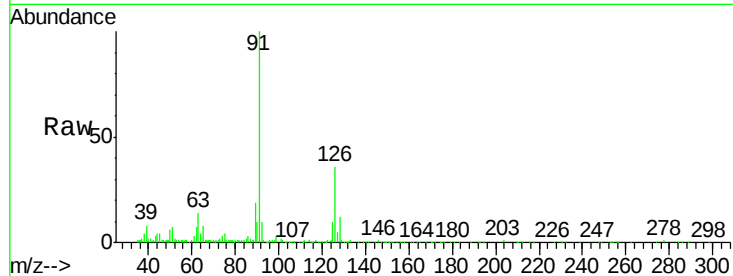
126 36.1 0.0 69.8

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#76

1,3,5-Trimethylbenzene

Concen: 2.146 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015277.D

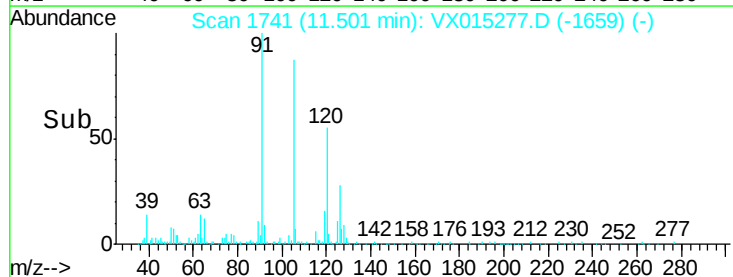
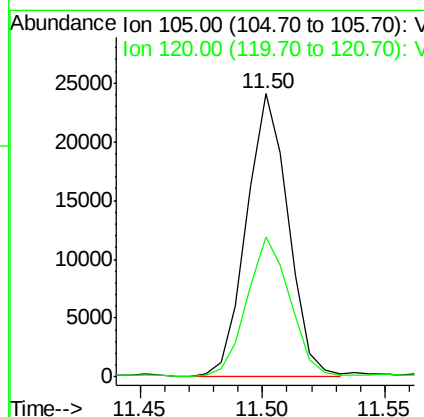
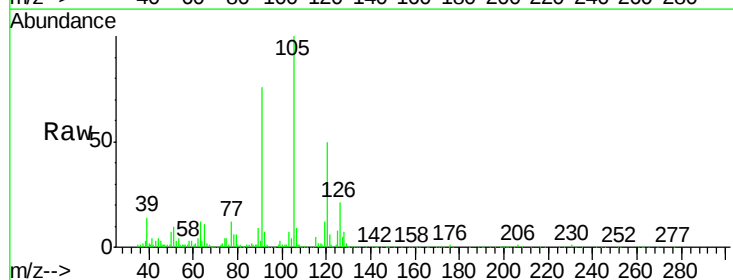
Acq: 13 Mar 2020 23:14

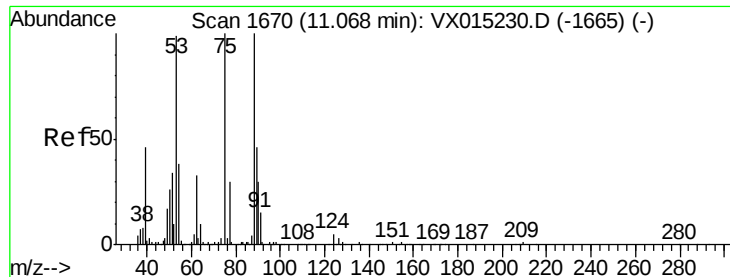
Tgt Ion: 105 Resp: 28337

Ion Ratio Lower Upper

105 100

120 50.4 0.0 101.2





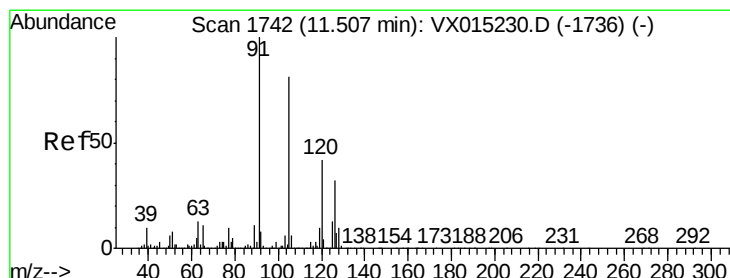
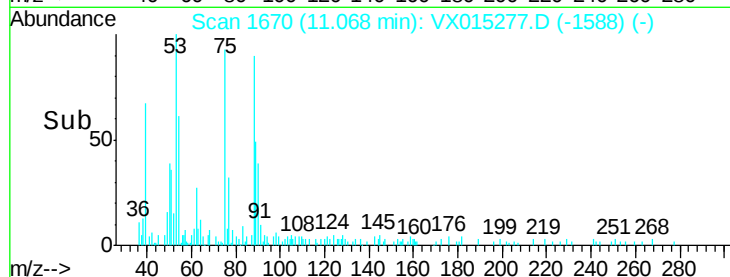
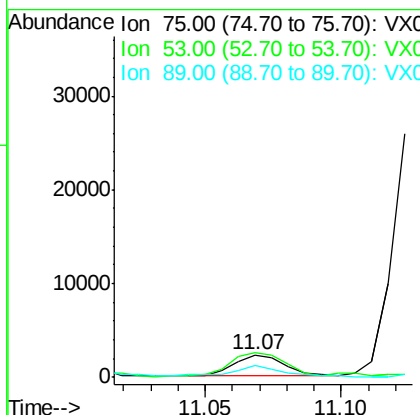
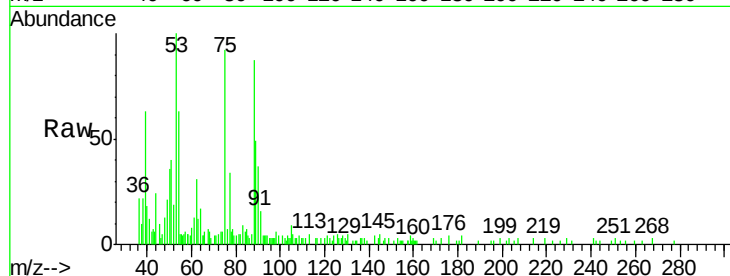
#77
t-1,4-Dichloro-2-butene
Concen: 1.587 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	49.5	148.3
89	50.9	22.9	68.8

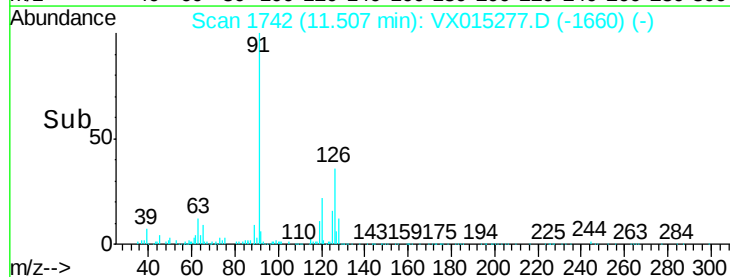
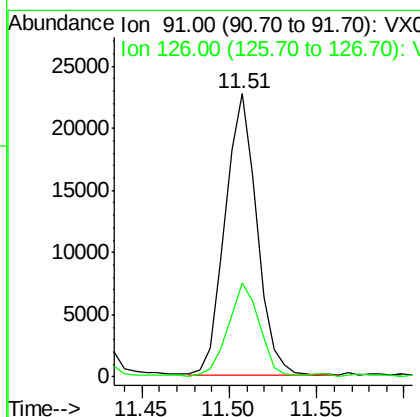
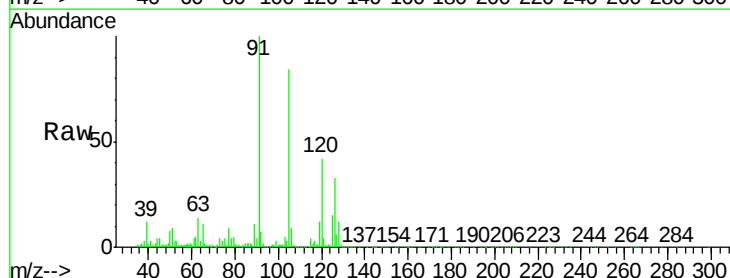
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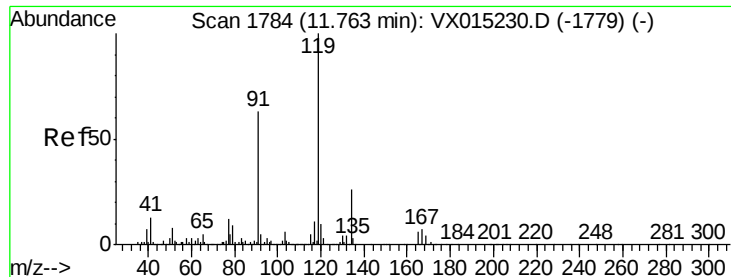
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#78
4-Chlorotoluene
Concen: 2.347 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	0.0	61.4





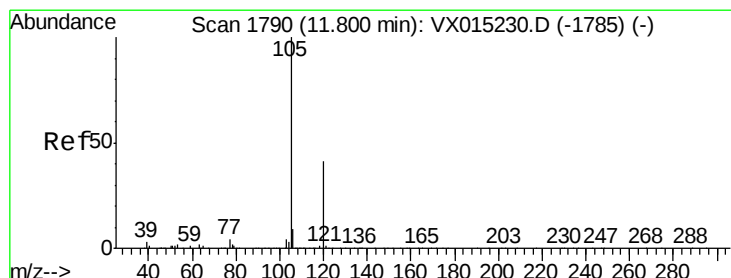
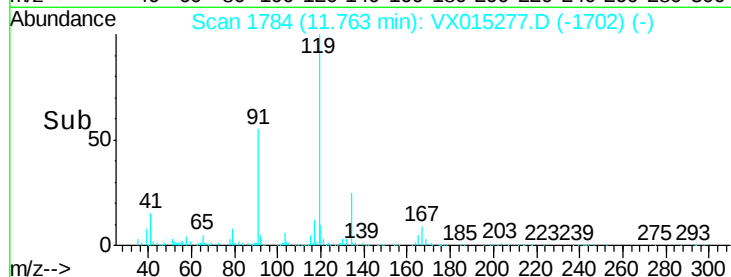
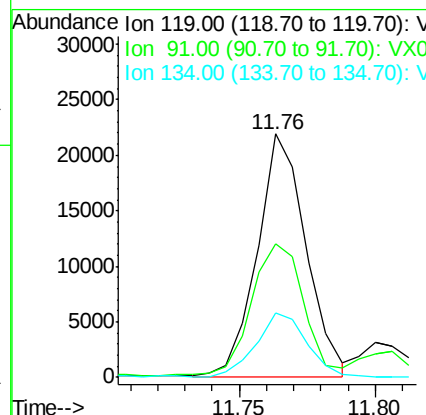
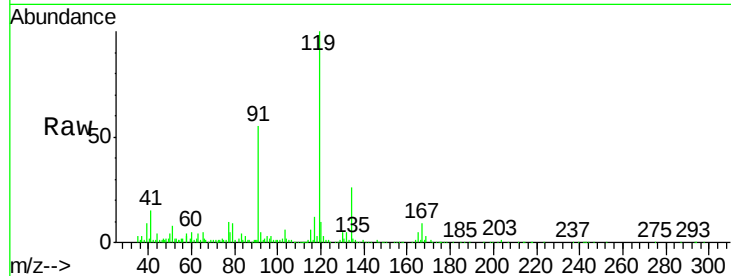
#79
tert-butylbenzene
Concen: 2.190 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	27103		
91	59.3		0.0	115.4
134	28.3		0.0	49.4

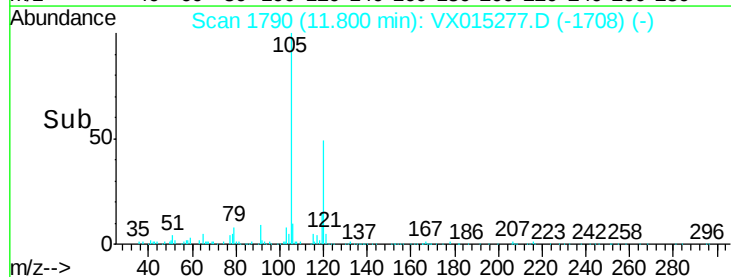
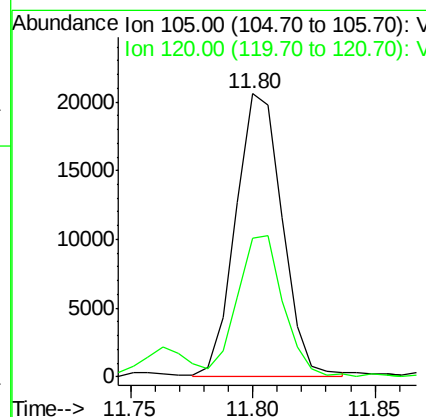
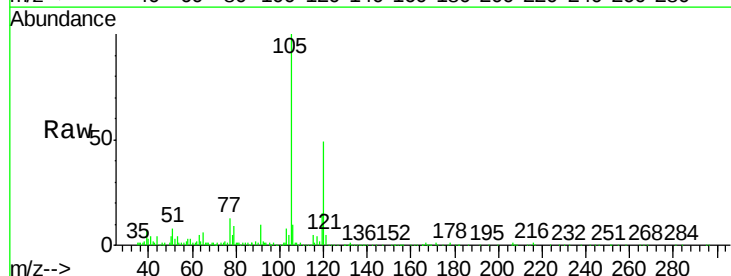
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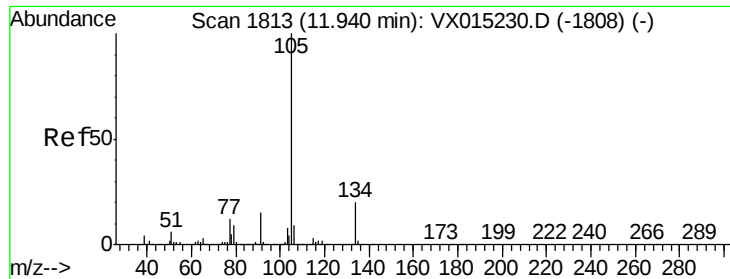
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 2.080 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	27145		
120	48.5		0.0	93.2





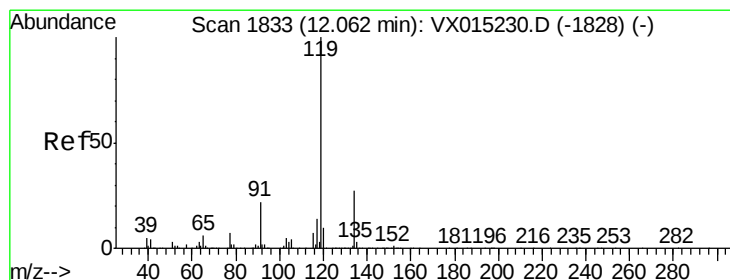
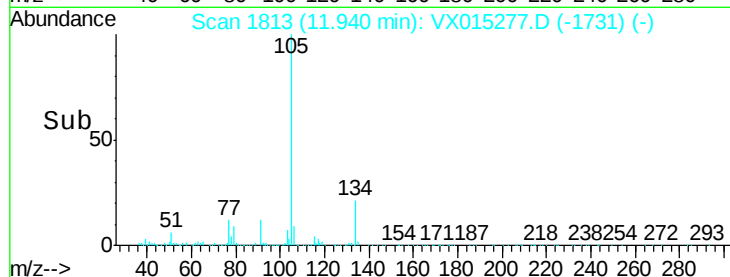
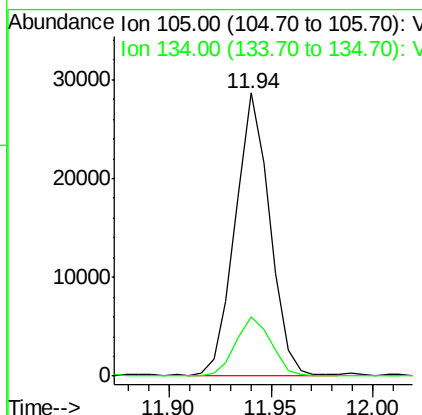
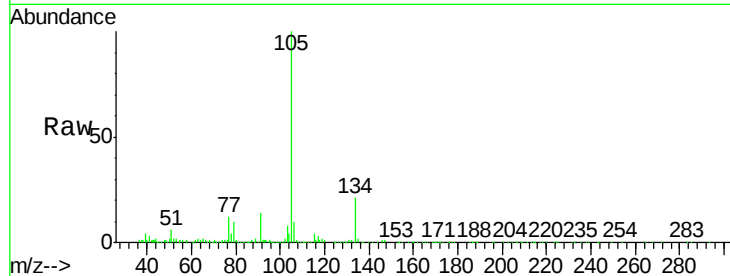
#81
 sec-Butylbenzene
 Concen: 2.182 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
105	100	33519		
134	21.6	0.0	40.8	

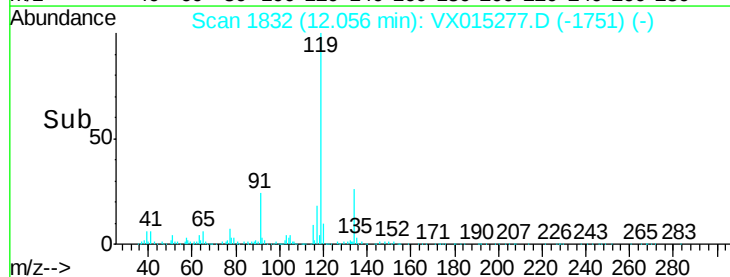
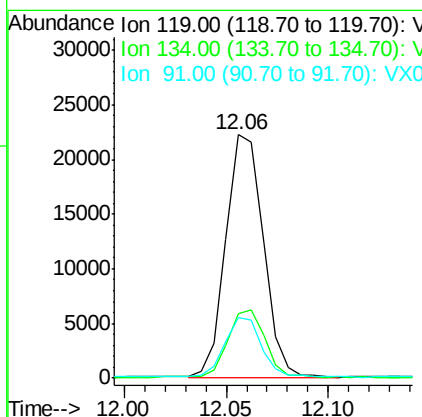
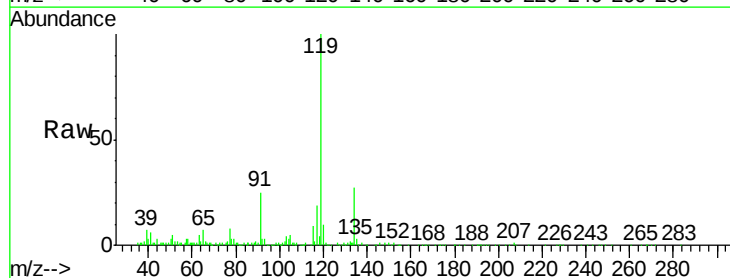
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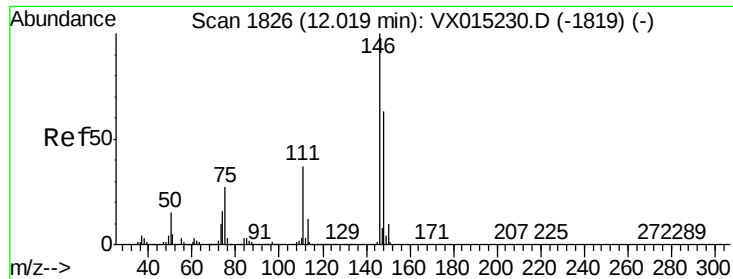
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#82
 p-Isopropyltoluene
 Concen: 2.016 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	28476		
134	27.2	0.0	53.6	
91	23.8	0.0	43.6	





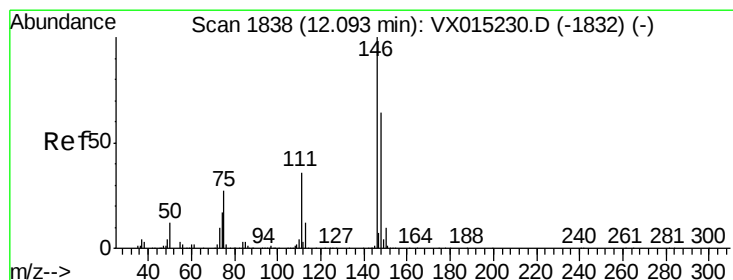
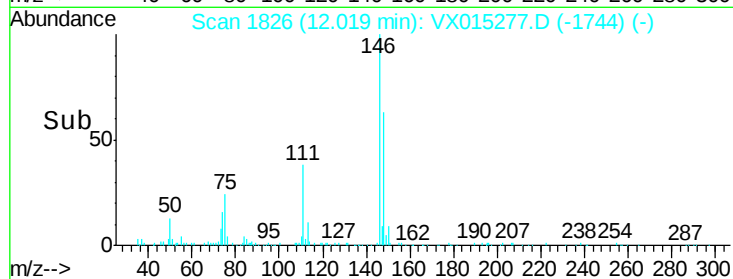
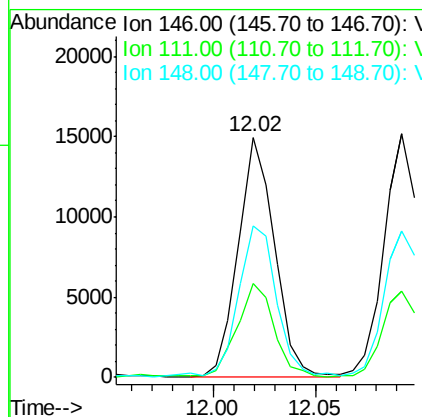
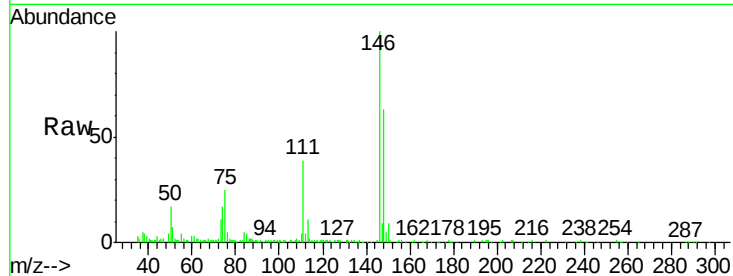
#83
 1,3-Dichlorobenzene
 Concen: 2.497 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.8	56.4
148	65.5	31.9	95.7

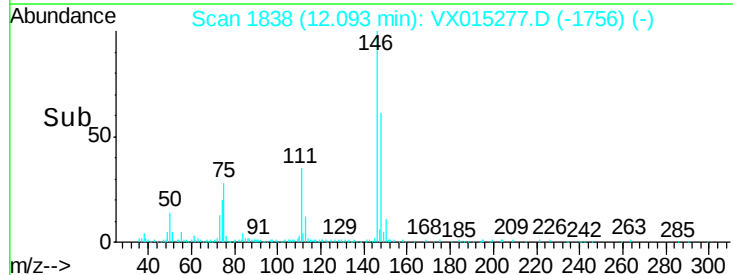
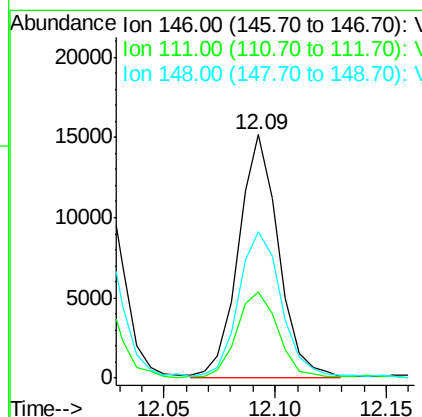
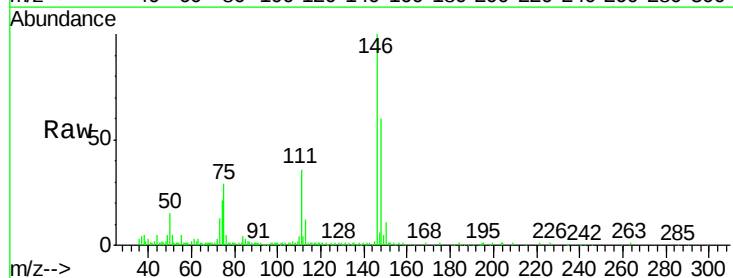
Manual Integrations
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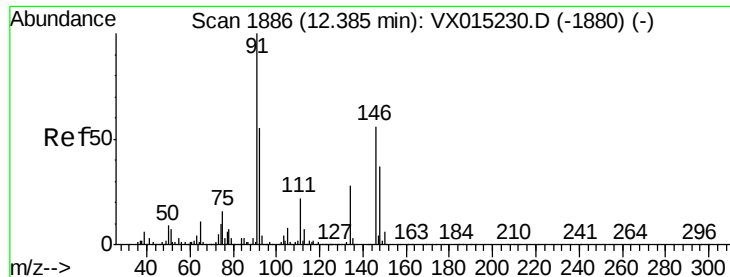
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#84
 1,4-Dichlorobenzene
 Concen: 2.565 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	65.2	31.9	95.9





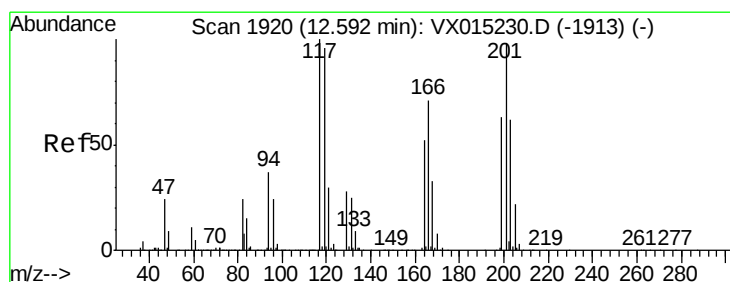
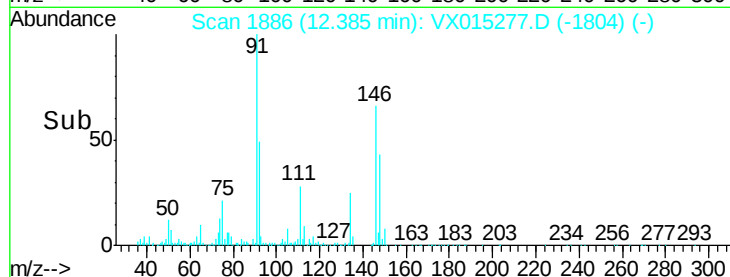
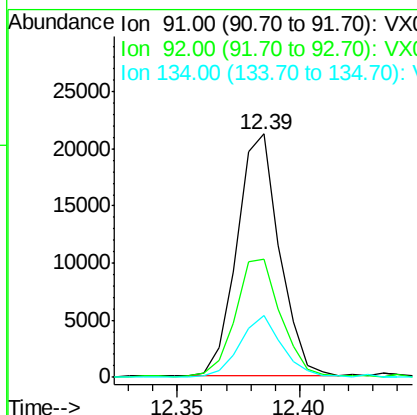
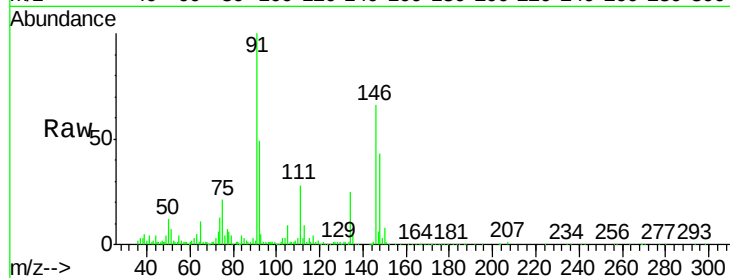
#85
n-Butylbenzene
Concen: 2.079 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
91	100	25735		
92	51.9	0.0	109.4	
134	25.3	0.0	53.0	

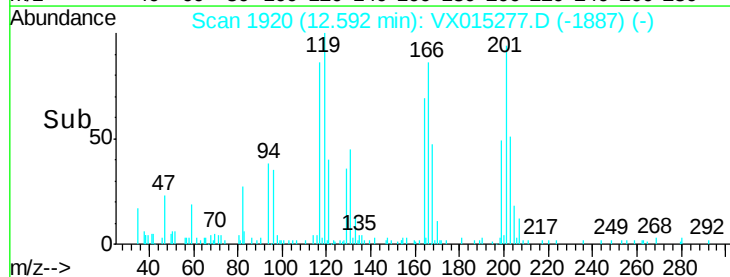
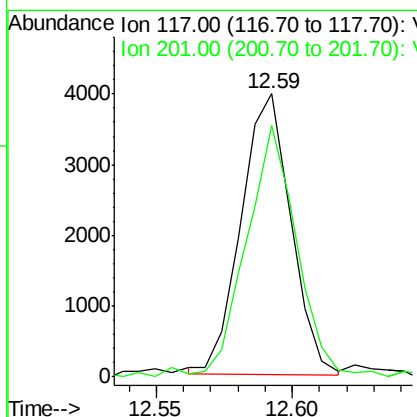
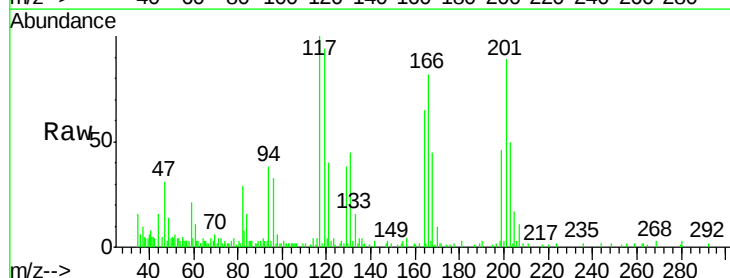
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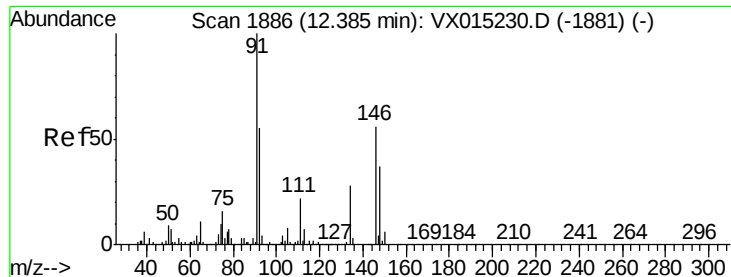
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#86
Hexachloroethane
Concen: 2.032 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	5025		
201	89.8	47.8	143.3	





#87

1,2-Dichlorobenzene

Concen: 2.431 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

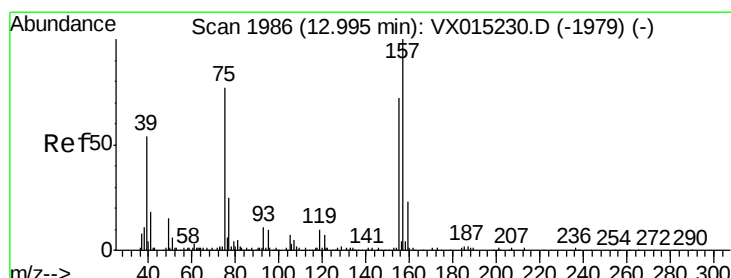
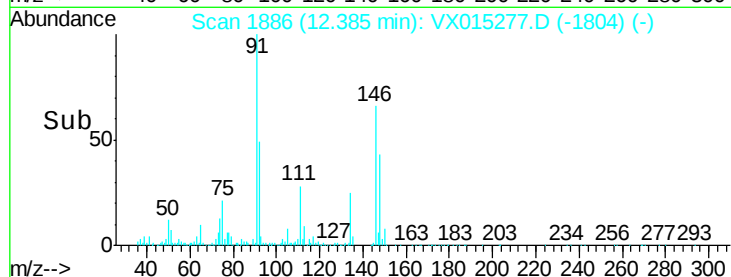
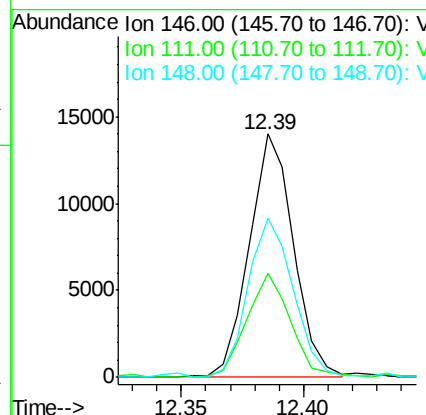
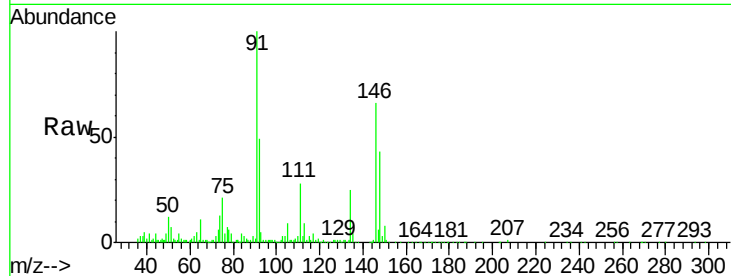
Instrument :
MSVOA_X

ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
146	100	17668		
111	42.5	19.4	58.4	
148	66.6	32.4	97.0	

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#88

1,2-Dibromo-3-Chloropropane

Concen: 2.454 ug/l

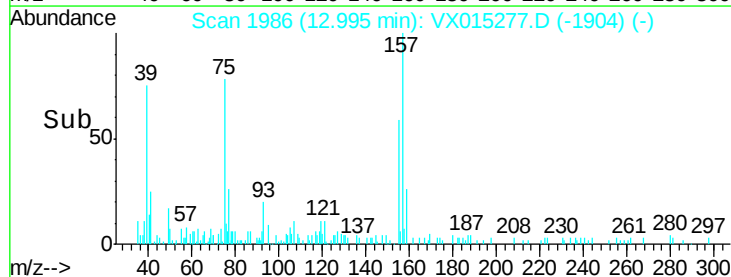
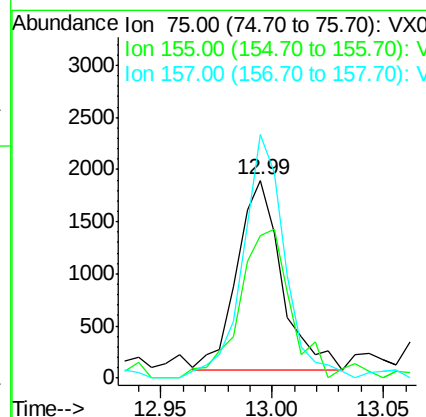
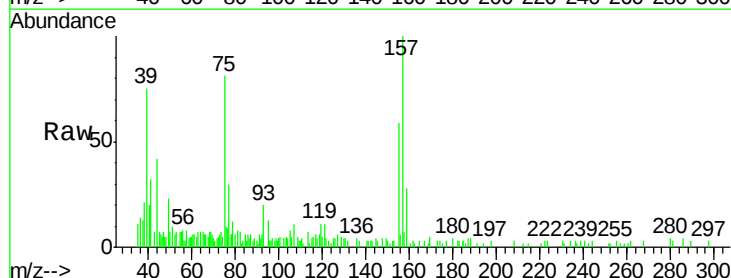
RT: 12.99 min Scan# 1986

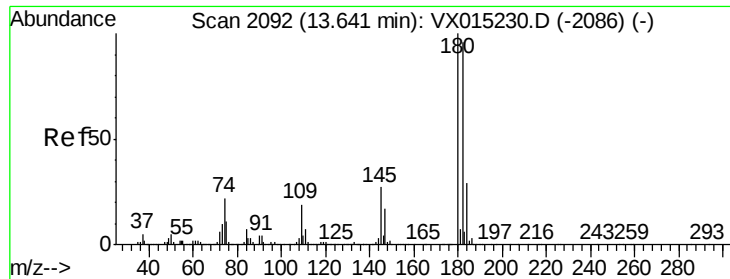
Delta R.T. 0.00 min

Lab File: VX015277.D

Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2536		
155	88.7	77.5	116.3	
157	120.7	103.0	154.4	





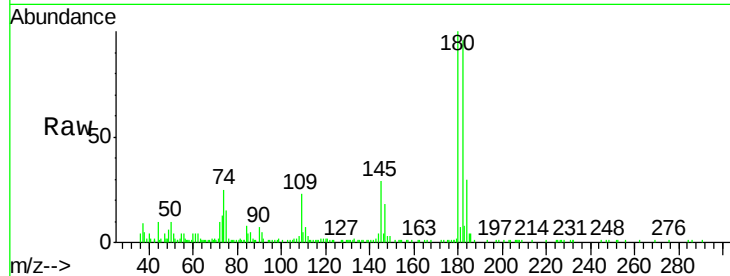
#89
 1,2,4-Trichlorobenzene
 Concen: 2.297 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

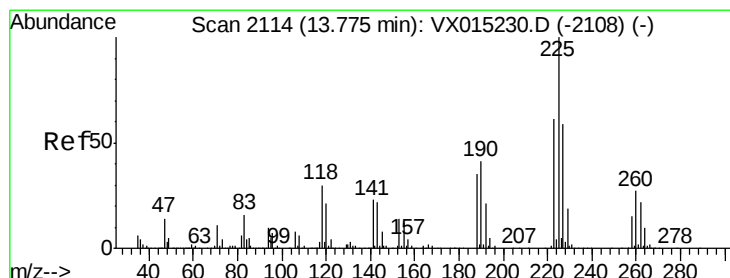
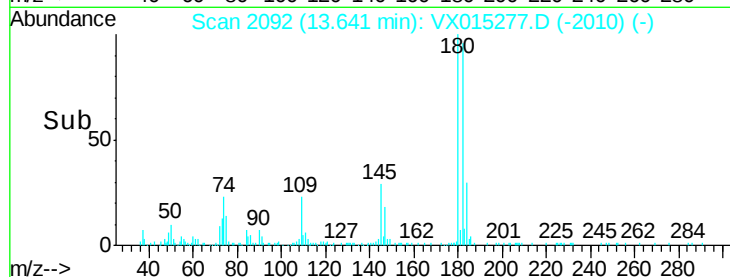
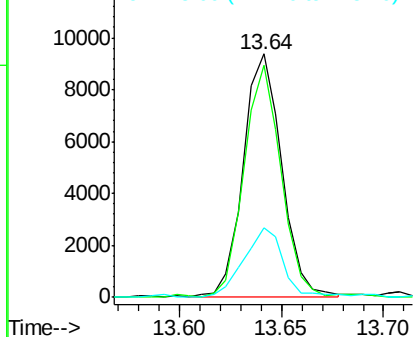
Tot Ion	Ratio	Resp	Lower	Upper
180	100	12336		
182	91.3	76.6	115.0	
145	28.5	22.7	34.1	

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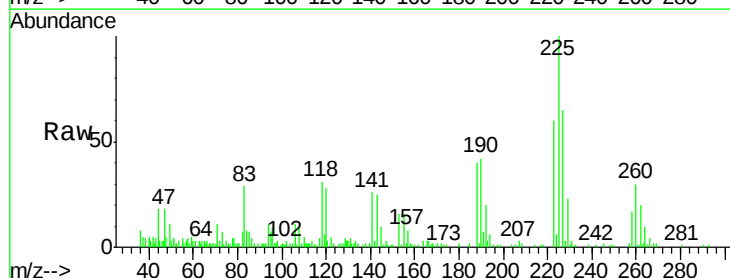


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

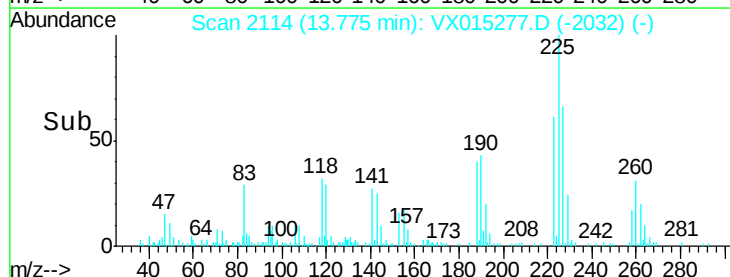
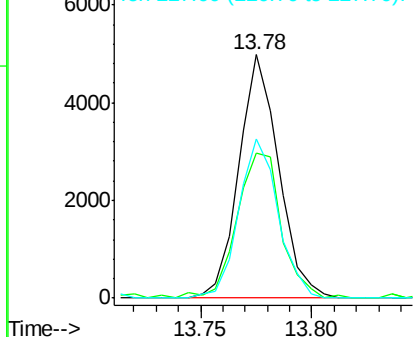


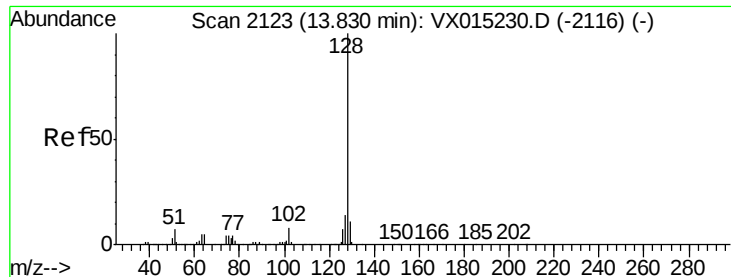
#90
 Hexachlorobutadiene
 Concen: 2.244 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015277.D
 Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	6202		
223	65.3	0.0	125.0	
227	64.9	0.0	126.2	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





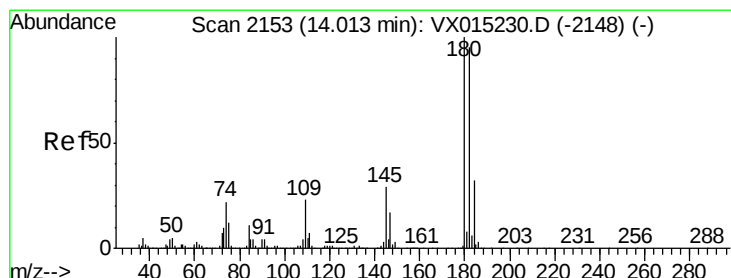
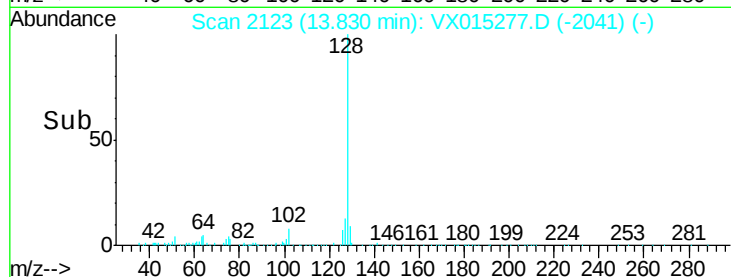
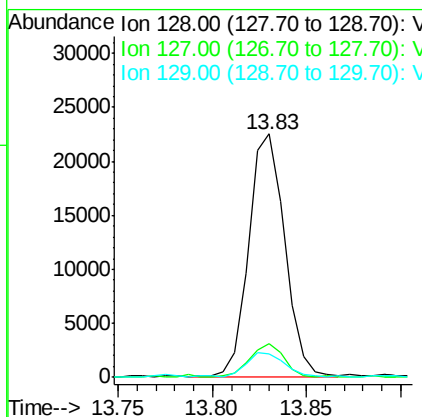
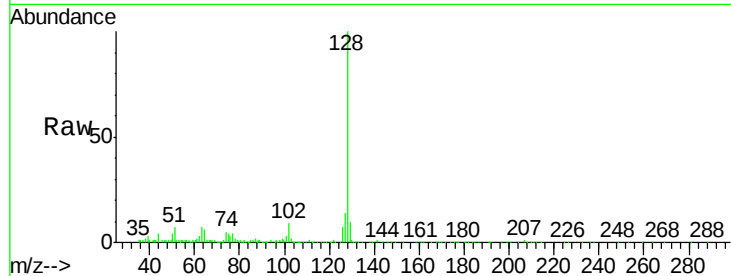
#91
Naphthalene
Concen: 2.010 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT1-2020DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:07:37 PM



#92
1,2,3-Trichlorobenzene
Concen: 2.311 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015277.D
Acq: 13 Mar 2020 23:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	192.0
145	28.4	0.0	60.0

