

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017305.D
 Acq On : 09 Jul 2020 14:18
 Operator : JC/SP
 Sample : L3216-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:43 PM

Quant Time: Jul 10 07:00:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	58627	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	302665	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	286312	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	128301	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.12	95	133687	27.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.23%
63) Toluene-d8	8.70	98	361898	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	7572	2.955 ug/l	96
3) Chloromethane	1.31	50	6800	2.491 ug/l	92
4) Vinyl Chloride	1.39	62	6896	2.451 ug/l	92
5) Bromomethane	1.63	94	5859	3.125 ug/l	96
6) Chloroethane	1.72	64	4610	2.478 ug/l	98
7) Trichlorofluoromethane	1.92	101	12941	2.589 ug/l	99
8) Diethyl Ether	2.17	74	4496	2.536 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7293	2.669 ug/l	96
10) 1,1-Dichloroethene	2.36	96	6920	2.569 ug/l	87
11) Methyl Iodide	2.49	142	5674	1.789 ug/l	99
12) Methyl Acetate	2.75	43	9087m	2.421 ug/l	
13) Acrolein	2.28	56	6036	12.434 ug/l	95
14) Acrylonitrile	3.12	53	21905	12.933 ug/l	95
15) Acetone	2.42	58	5747	13.454 ug/l	92
16) Carbon Disulfide	2.55	76	17164	2.349 ug/l	99
17) Allyl chloride	2.71	41	12645	2.523 ug/l	96
18) Methylene Chloride	2.83	84	9583	2.888 ug/l	93
19) trans-1,2-Dichloroethene	3.14	96	8265	2.624 ug/l	95
20) Diisopropyl ether	3.82	45	24137	2.409 ug/l	93
21) 1,1-Dichloroethane	3.67	63	14352	2.555 ug/l	97
22) cis-1,2-Dichloroethene	4.57	96	8999	2.504 ug/l	95
23) tert-Butyl Alcohol	3.01	59	8843	12.653 ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	25037	2.434 ug/l	99
25) Chloroform	5.18	83	15248m	2.548 ug/l	
26) Cyclohexane	5.55	56	9534	2.179 ug/l #	66
29) 1,1-Dichloropropene	5.77	75	9943	2.382 ug/l	98
30) 2-Butanone	4.64	43	27643	12.109 ug/l #	83
31) 2,2-Dichloropropane	4.54	77	14004m	2.678 ug/l	
32) 1,1,1-Trichloroethane	5.46	97	14057	2.587 ug/l	98
33) Carbon Tetrachloride	5.76	117	12531	2.501 ug/l #	89
34) Benzene	6.11	78	31270	2.518 ug/l	96
35) Methacrylonitrile	5.01	41	6411m	2.508 ug/l	
36) 1,2-Dichloroethane	6.16	62	12025	2.459 ug/l #	87
37) Trichloroethene	7.19	130	9956	2.665 ug/l	87
38) Methylcyclohexane	7.44	83	10629	2.417 ug/l	98
39) 1,2-Dichloropropane	7.49	63	8233	2.537 ug/l	94
40) Dibromomethane	7.64	93	6188	2.647 ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
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 Response via : Initial Calibration

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

41) Bromodichloromethane	7.88	83	12074	2.475	ug/l #	97
42) Vinyl Acetate	3.78	43	100422	11.510	ug/l	98
43) Ethyl Acetate	4.80	43	11014	2.453	ug/l	97
44) Isopropyl Acetate	6.42	43	18508	2.477	ug/l	97
45) 1,4-Dioxane	7.72	88	3442	48.331	ug/l #	64
46) Methyl methacrylate	7.75	41	7819	2.148	ug/l	93
47) n-amyl Acetate	10.88	43	13343	2.017	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	11875	2.205	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	12817	2.274	ug/l	89
50) 1,1,2-Trichloroethane	9.20	97	8917	2.575	ug/l	92
51) Ethyl methacrylate	9.16	69	10792	2.139	ug/l	99
52) 1,3-Dichloropropane	9.35	76	13617	2.414	ug/l	94
53) Dibromochloromethane	9.57	129	9524	2.253	ug/l	96
54) 1,2-Dibromoethane	9.65	107	8987	2.427	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	29487	12.560	ug/l	99
56) Bromoform	10.84	173	7406	2.246	ug/l	96
58) 4-Methyl-2-Pentanone	8.62	43	53853	11.871	ug/l	97
59) 2-Hexanone	9.47	43	39318	11.369	ug/l	99
61) Tetrachloroethene	9.32	164	10100	2.769	ug/l	92
62) Toluene	8.76	91	33583	2.478	ug/l	98
64) Chlorobenzene	10.12	112	23329	2.580	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	8875	2.402	ug/l	95
66) Ethyl Benzene	10.24	91	36207	2.374	ug/l	98
67) m/p-Xylenes	10.34	106	26617	4.517	ug/l	100
68) o-Xylene	10.68	106	12846	2.294	ug/l	96
69) Styrene	10.70	104	20438	2.058	ug/l	98
70) Isopropylbenzene	11.00	105	34004	2.214	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	11960	2.483	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	12266m	2.592	ug/l	
73) Bromobenzene	11.24	156	11037	2.557	ug/l	97
74) n-propylbenzene	11.34	91	38713	2.176	ug/l	99
75) 2-Chlorotoluene	11.40	91	25548	2.355	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	28880	2.192	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	3750	2.078	ug/l	96
78) 4-Chlorotoluene	11.49	91	29152	2.267	ug/l	99
79) tert-butylbenzene	11.76	119	27434	2.145	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	28275	2.127	ug/l	100
81) sec-Butylbenzene	11.93	105	31849	2.161	ug/l	98
82) p-Isopropyltoluene	12.05	119	29034	2.083	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	18897	2.433	ug/l	96
84) 1,4-Dichlorobenzene	12.08	146	18500	2.354	ug/l	99
85) n-Butylbenzene	12.37	91	24185	2.054	ug/l	100
86) Hexachloroethane	12.58	117	6273	2.327	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	17577	2.367	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	2947	2.525	ug/l	88
89) 1,2,4-Trichlorobenzene	13.63	180	10647	2.114	ug/l	98
90) Hexachlorobutadiene	13.76	225	4981	2.465	ug/l	98
91) Naphthalene	13.82	128	30117	1.950	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	11184	2.232	ug/l	98

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ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

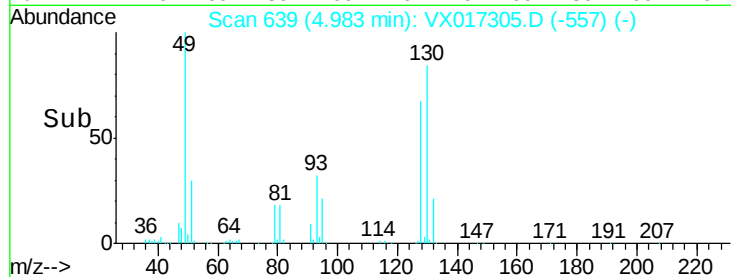
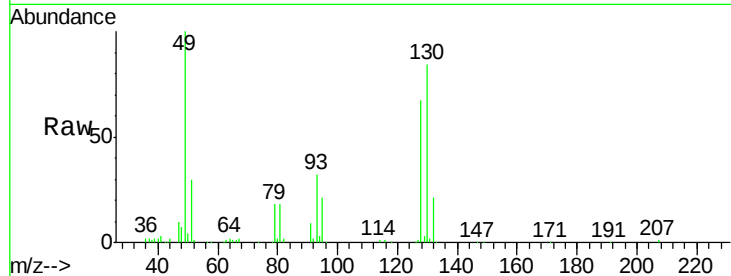
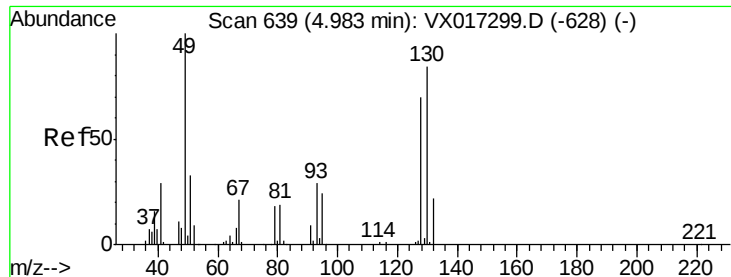
Manual Integrations
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Response via : Initial Calibration

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



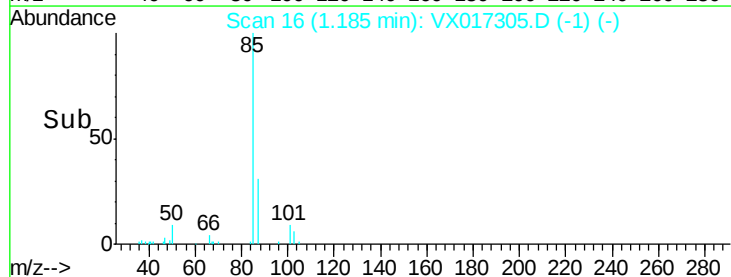
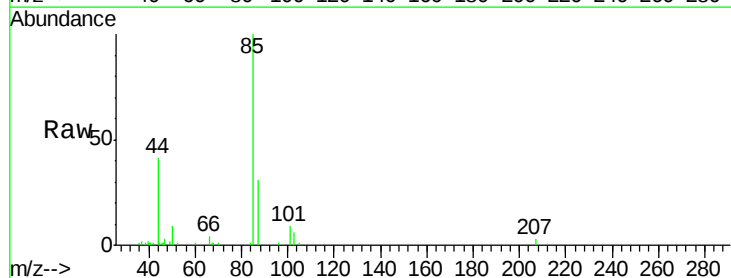
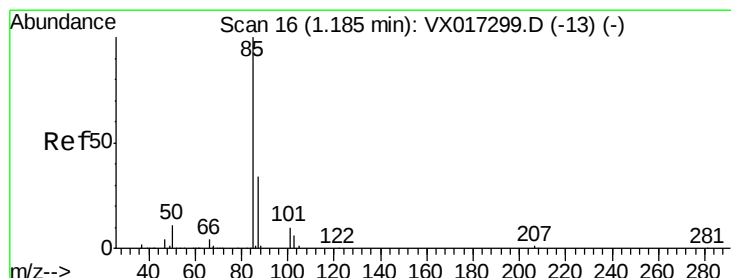
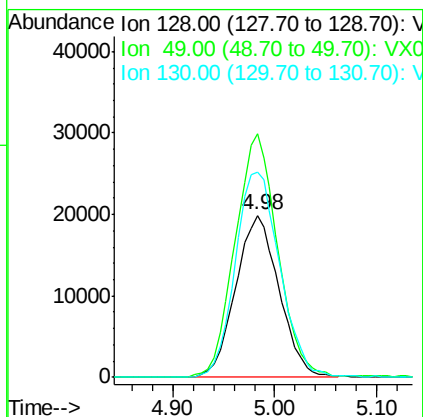
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tot Ion	Ratio	Lower	Upper
128	100		
49	147.6	0.0	358.8
130	130.3	0.0	323.8

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

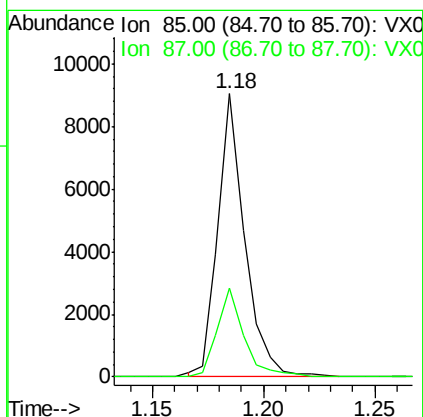
Manual Integrations
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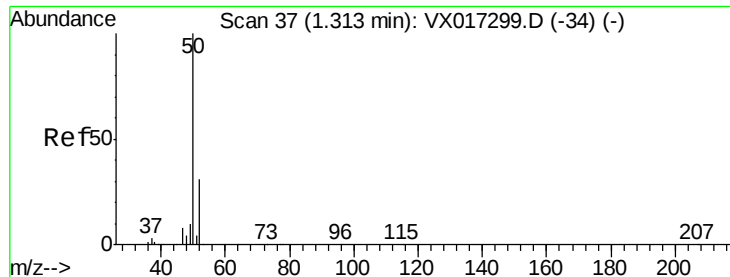
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#2
Dichlorodifluoromethane
Concen: 2.955 ug/l
RT: 1.18 min Scan# 16
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.9	50.6





#3

Chloromethane

Concen: 2.491 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 6800

Ion Ratio Lower Upper

50 100

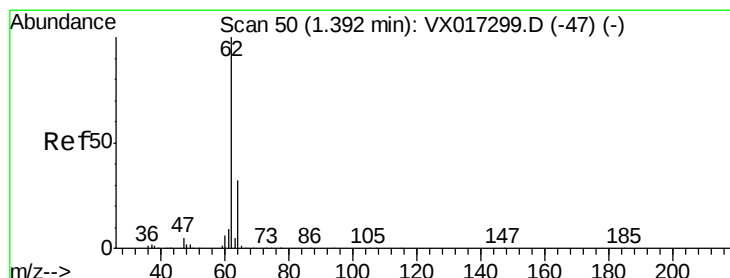
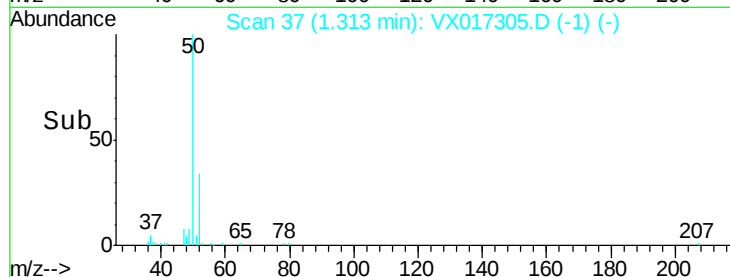
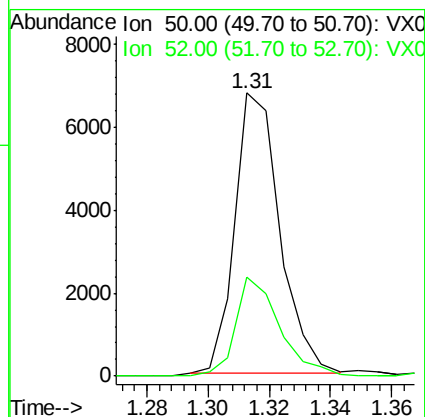
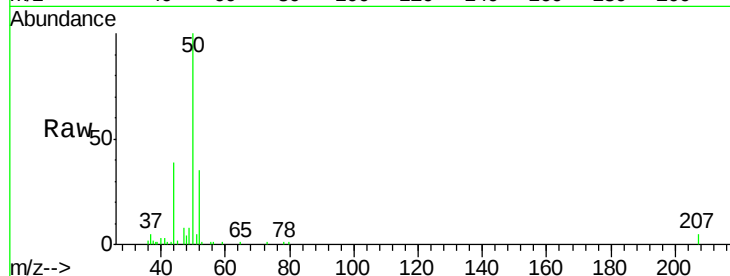
52 35.3 24.8 37.2

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#4

Vinyl Chloride

Concen: 2.451 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017305.D

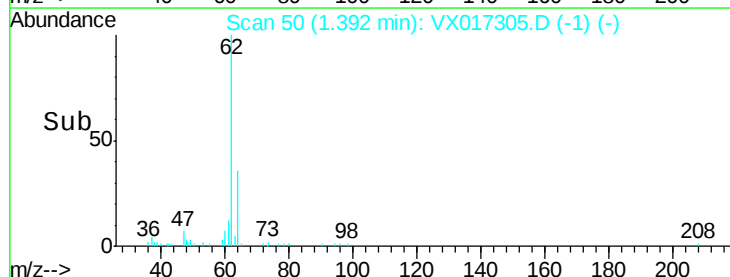
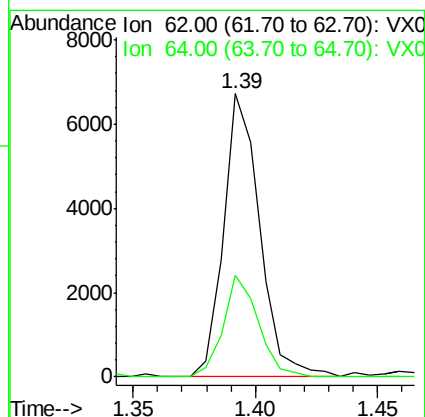
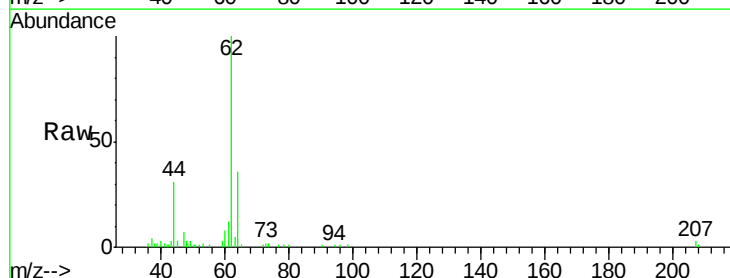
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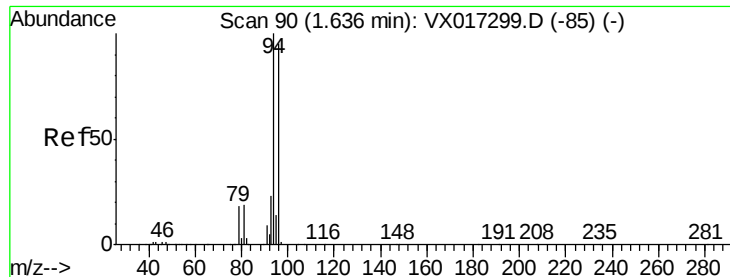
Tgt Ion: 62 Resp: 6896

Ion Ratio Lower Upper

62 100

64 36.0 25.3 37.9





#5

Bromomethane

Concen: 3.125 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 5859

Ion Ratio Lower Upper

94 100

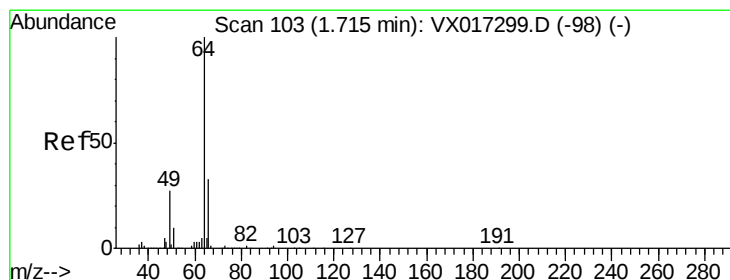
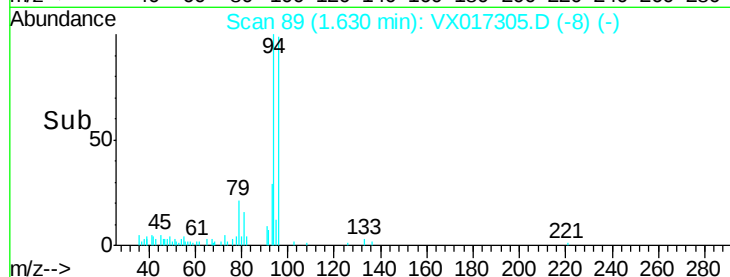
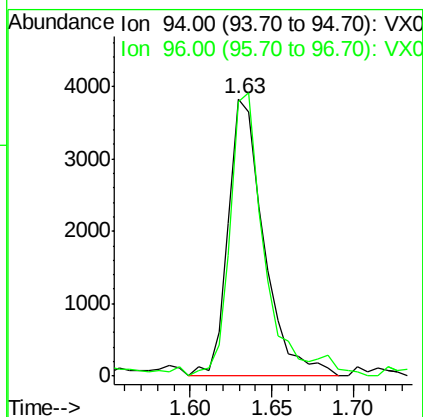
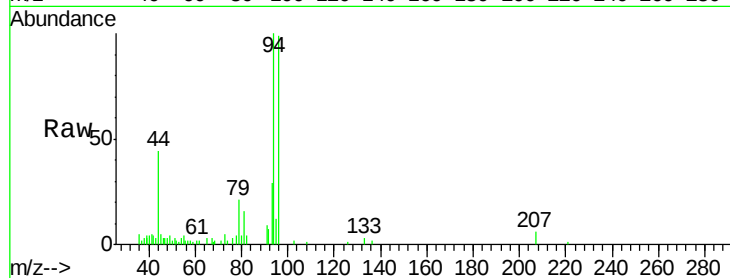
96 98.8 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 2.478 ug/l

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX017305.D

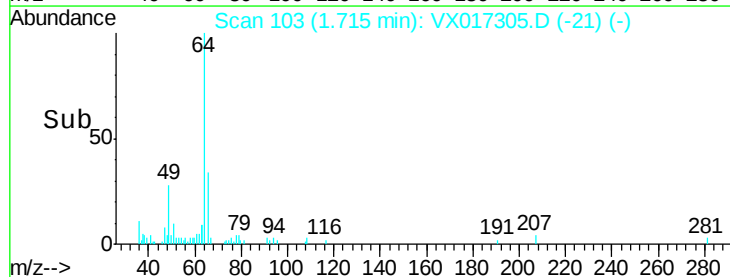
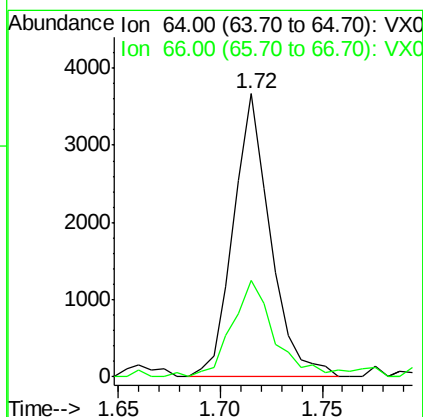
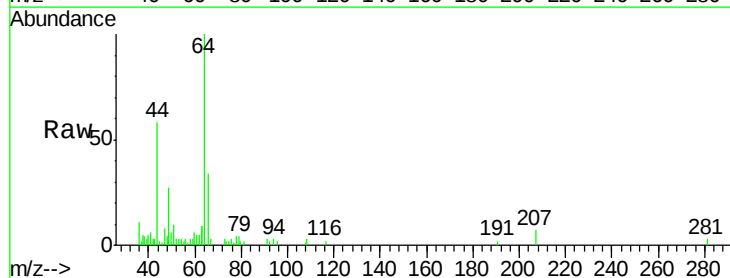
Acq: 09 Jul 2020 14:18

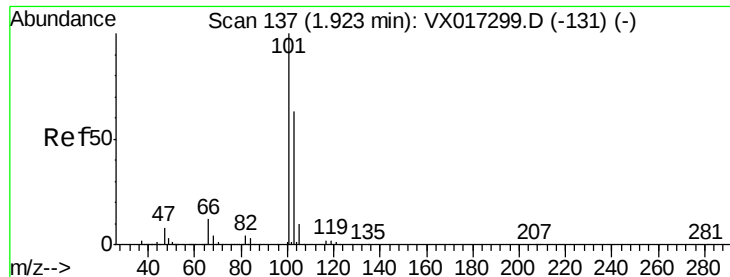
Tgt Ion: 64 Resp: 4610

Ion Ratio Lower Upper

64 100

66 33.9 26.1 39.1





#7

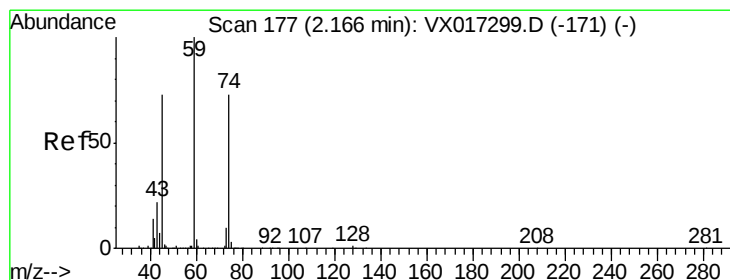
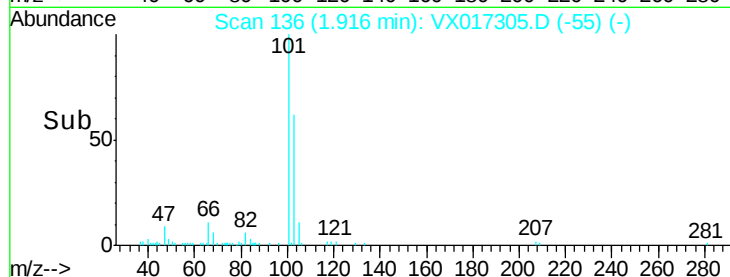
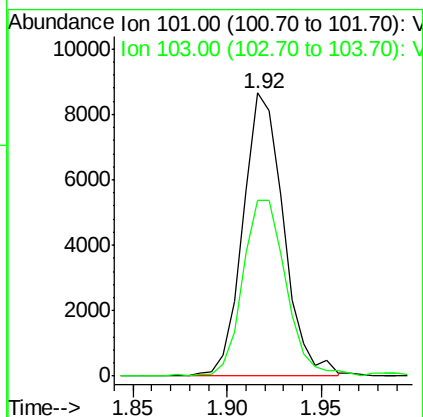
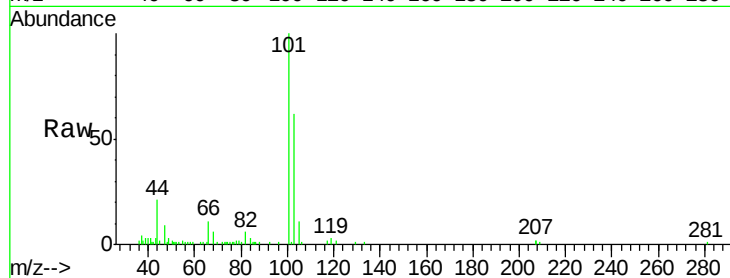
Trichlorofluoromethane
Concen: 2.589 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	50.1	75.1

Manual Integrations
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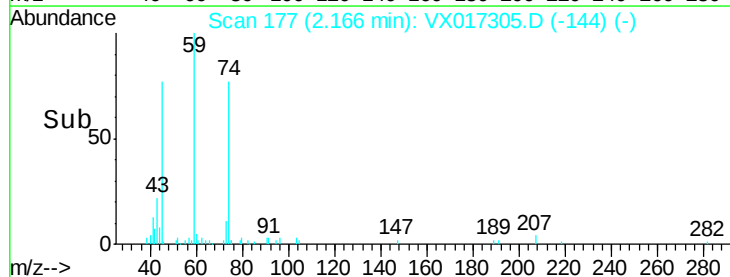
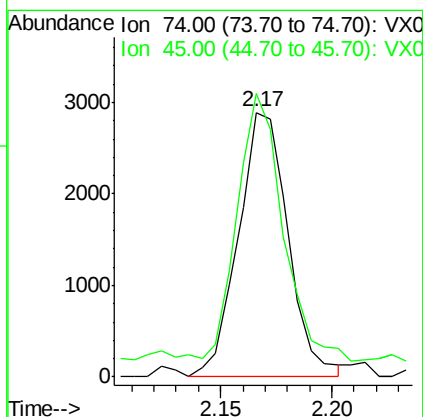
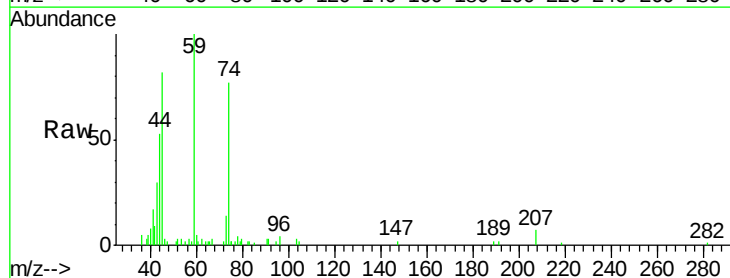
MMDadoda
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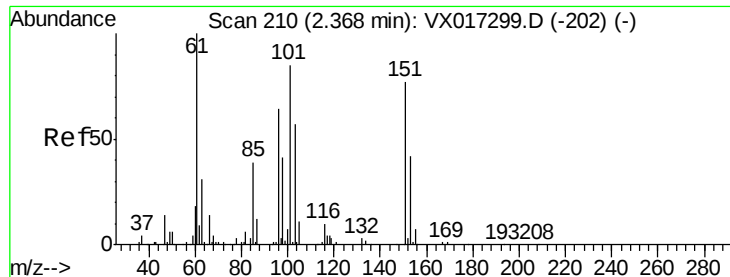


#8

Diethyl Ether
Concen: 2.536 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	18.9	170.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.669 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

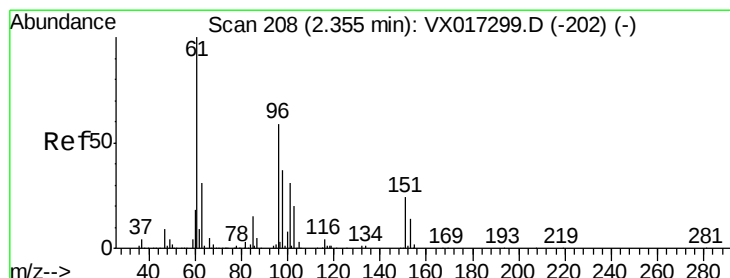
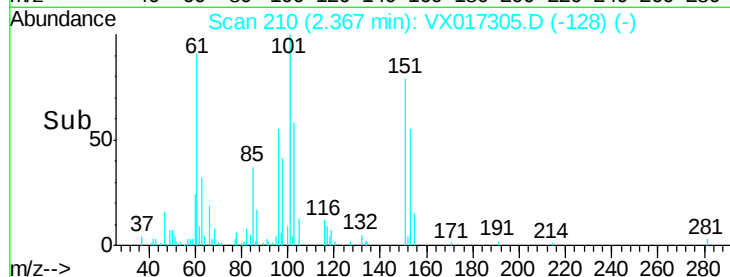
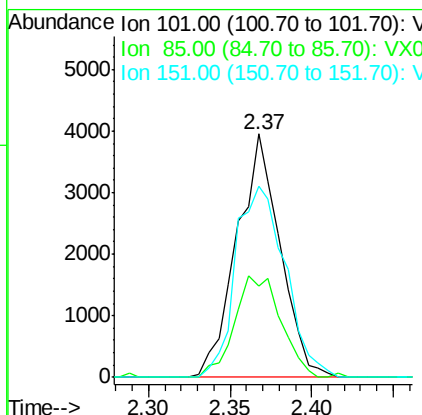
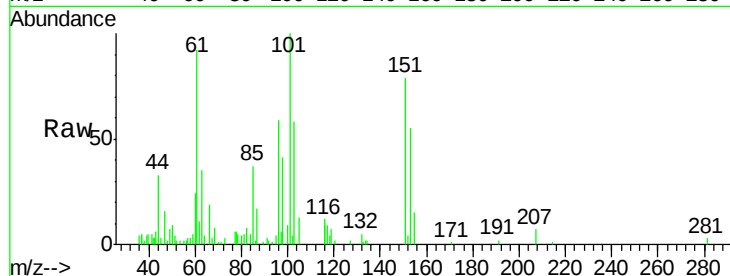
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	7293
Ion Ratio	Lower	Upper	
101	100		
85	44.4	0.0	87.8
151	89.8	0.0	170.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 2.569 ug/l

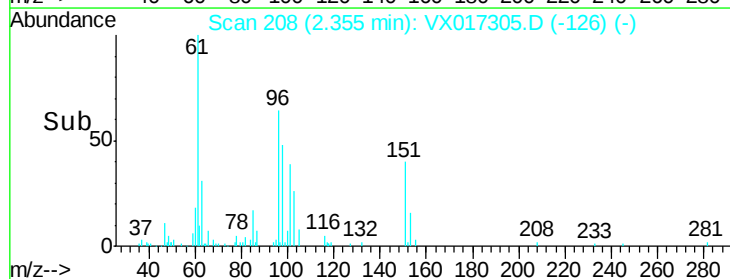
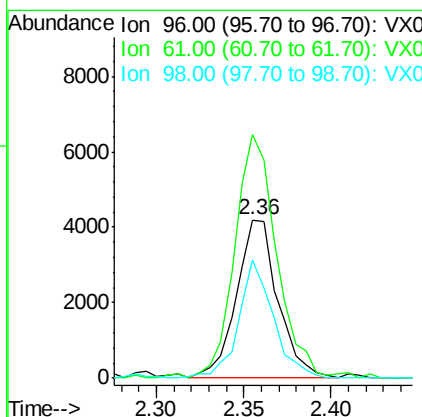
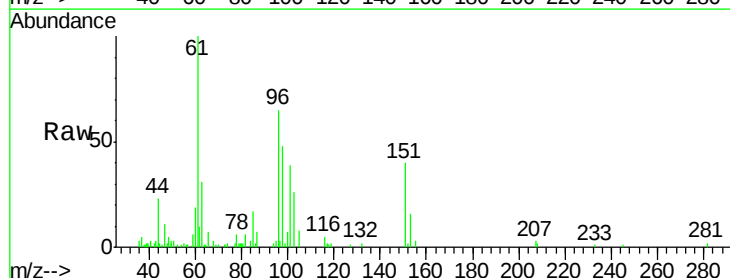
RT: 2.36 min Scan# 208

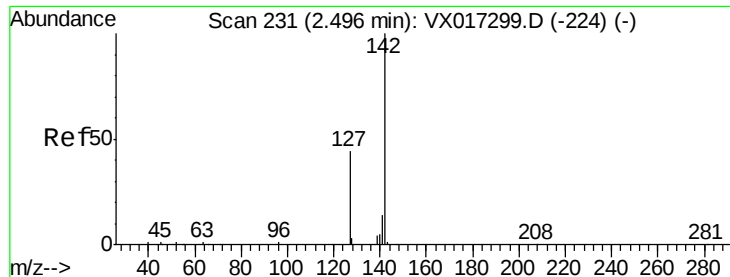
Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Tgt Ion:	96	Resp:	6920
Ion Ratio	Lower	Upper	
96	100		
61	153.7	137.0	205.4
98	74.5	51.1	76.7





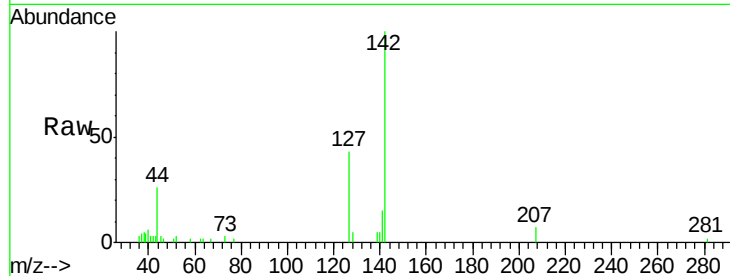
#11
Methvl Iodide
Concen: 1.789 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	21.9	65.7
141	15.0	7.0	21.1

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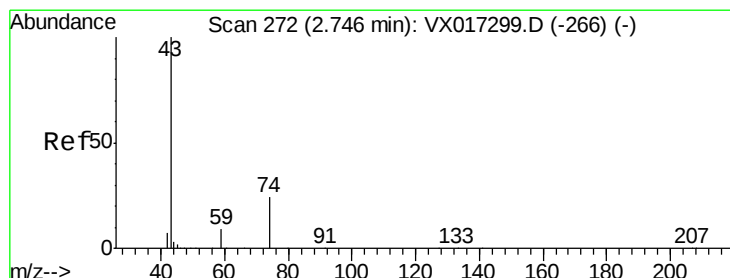
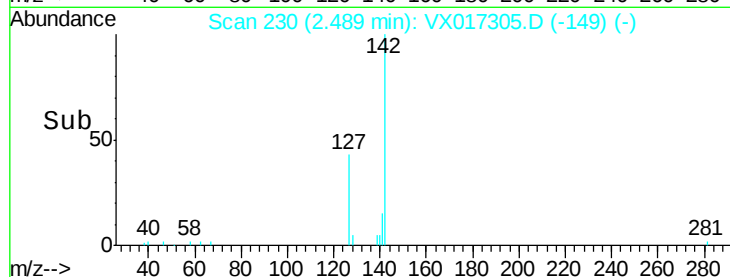
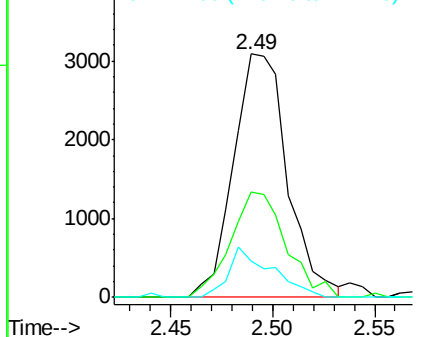


Abundance

Ion 142.00 (141.70 to 142.70): V

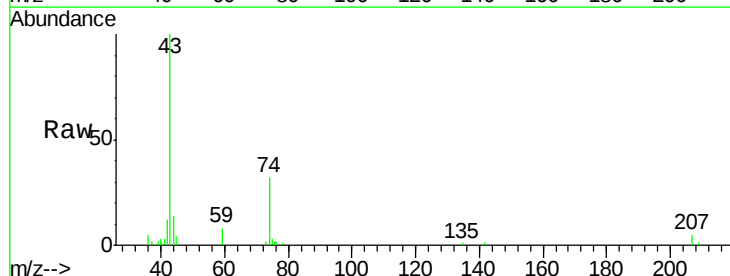
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12
Methyl Acetate
Concen: 2.421 ug/l m
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

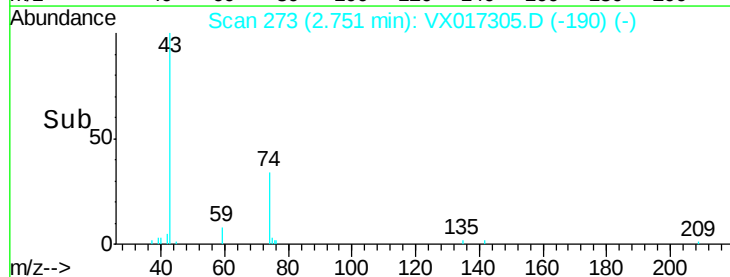
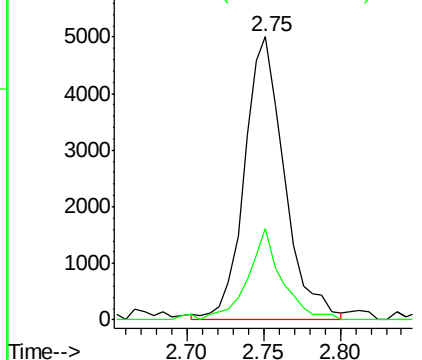
Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.4	18.8	28.2#

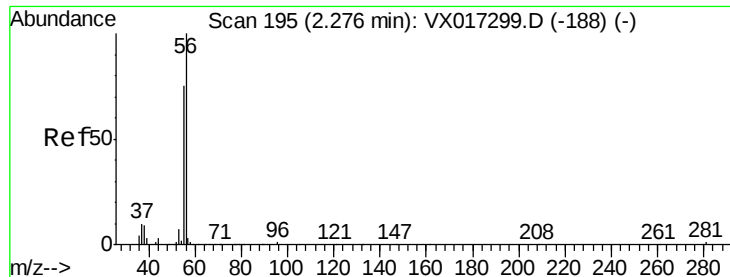


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 12.434 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 6036

Ion Ratio Lower Upper

56 100

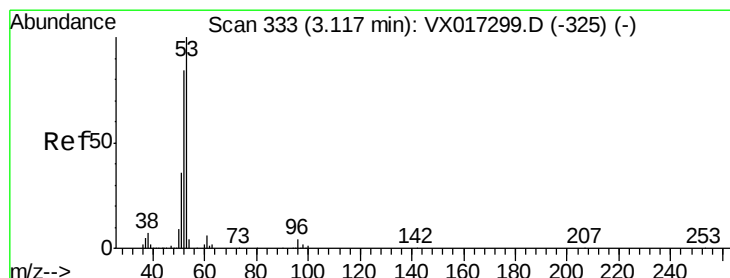
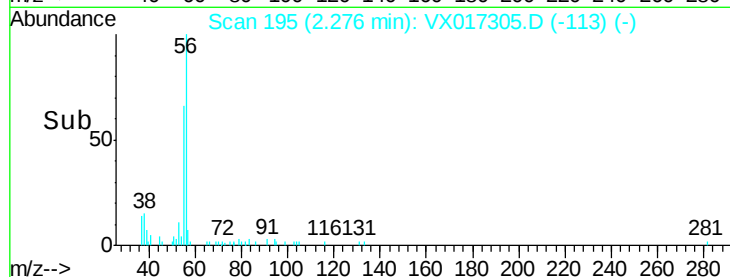
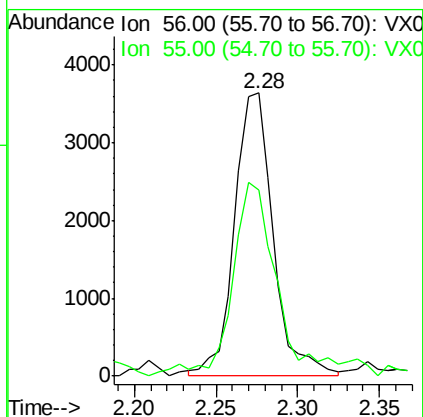
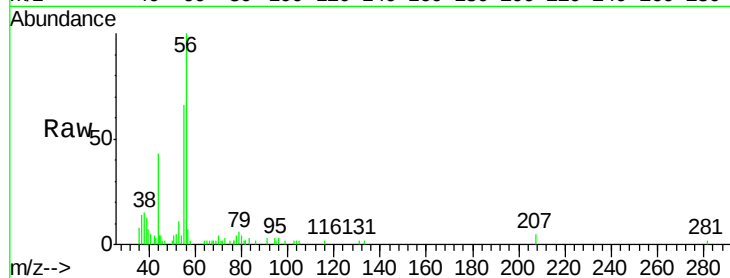
55 69.0 58.5 87.7

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#14

Acrylonitrile

Concen: 12.933 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

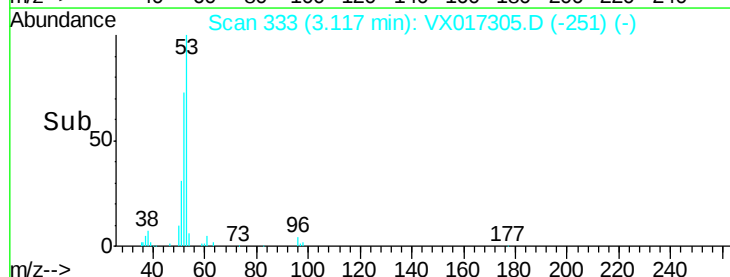
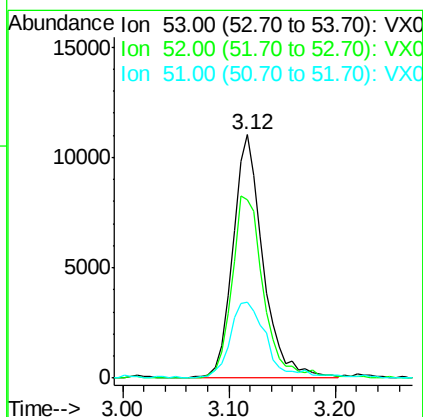
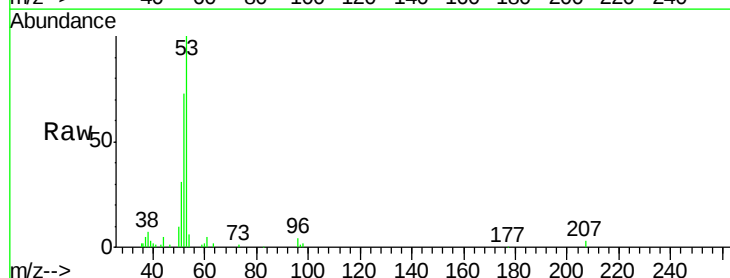
Tgt Ion: 53 Resp: 21905

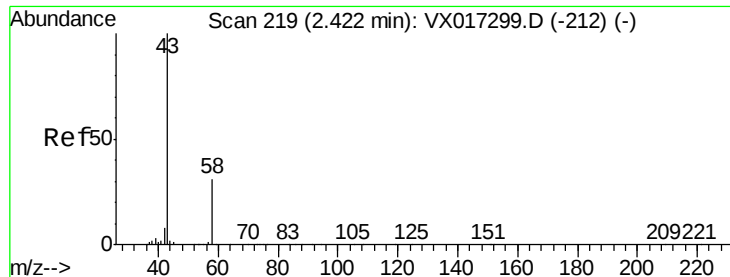
Ion Ratio Lower Upper

53 100

52 77.0 41.3 123.9

51 36.5 18.1 54.1





#15

Acetone

Concen: 13.454 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 58 Resp: 5747

Ion Ratio Lower Upper

58 100

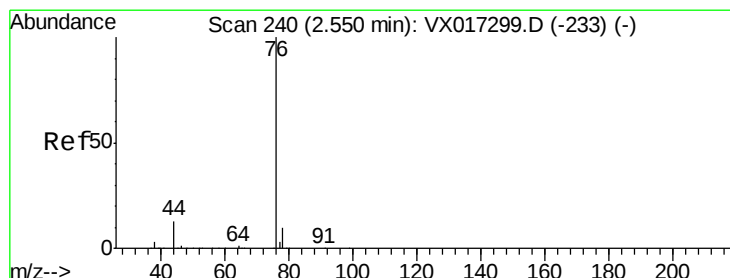
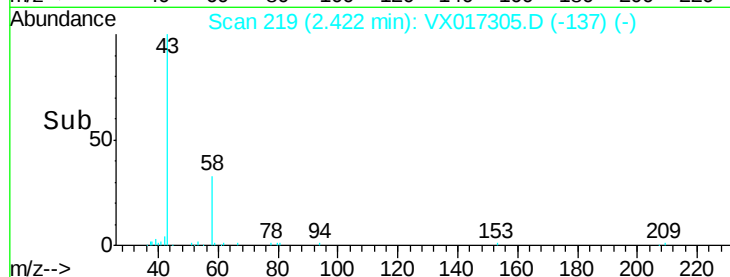
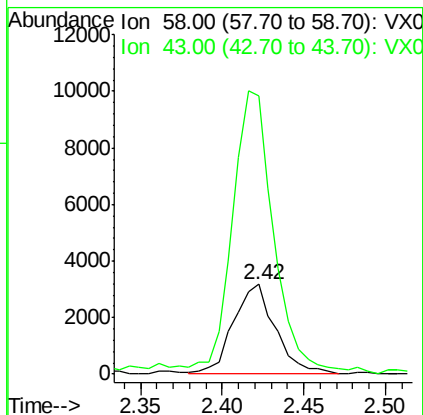
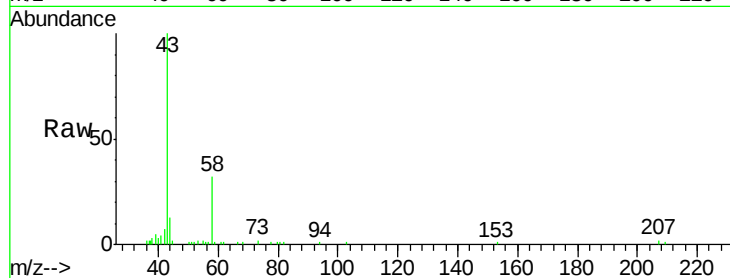
43 302.6 255.0 382.4

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#16

Carbon Disulfide

Concen: 2.349 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017305.D

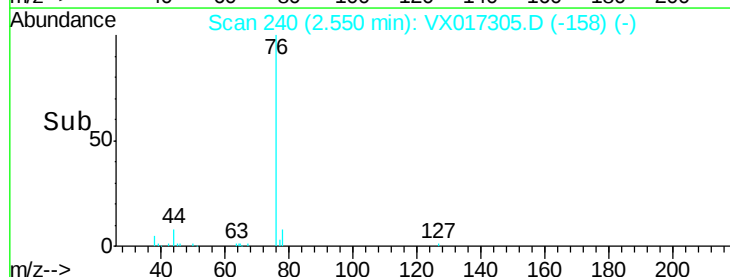
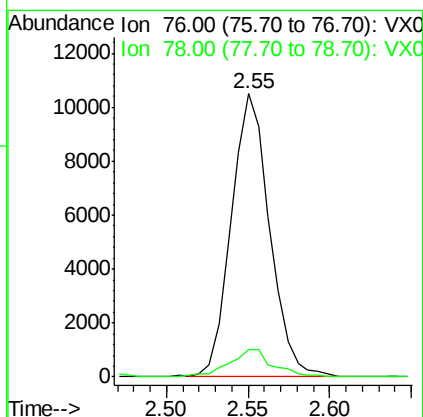
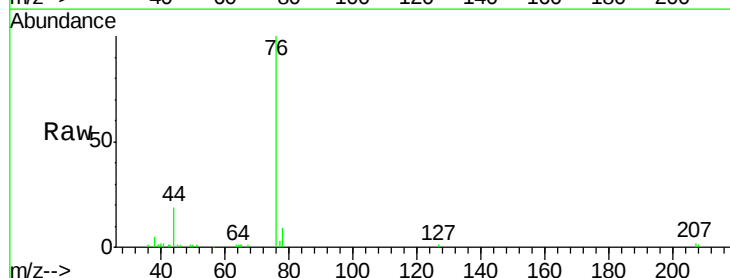
Acq: 09 Jul 2020 14:18

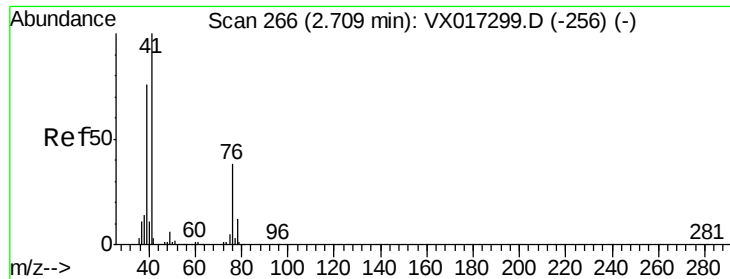
Tgt Ion: 76 Resp: 17164

Ion Ratio Lower Upper

76 100

78 9.5 7.9 11.9





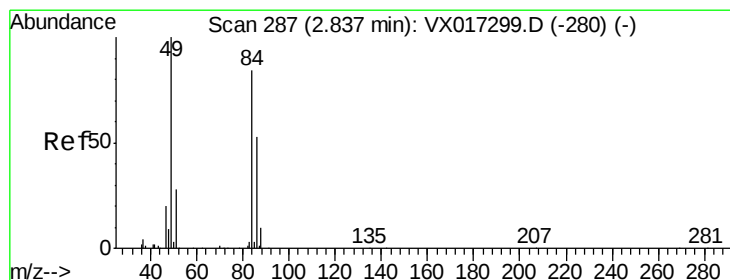
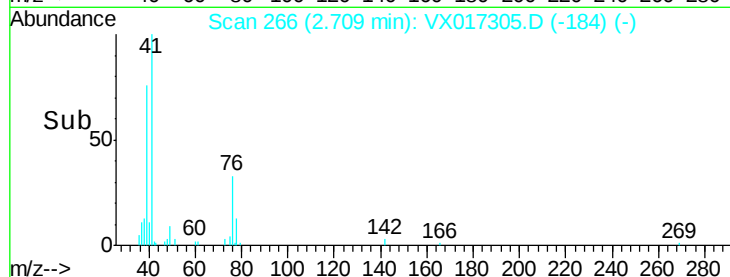
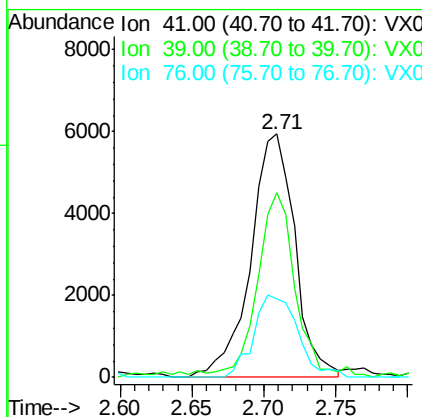
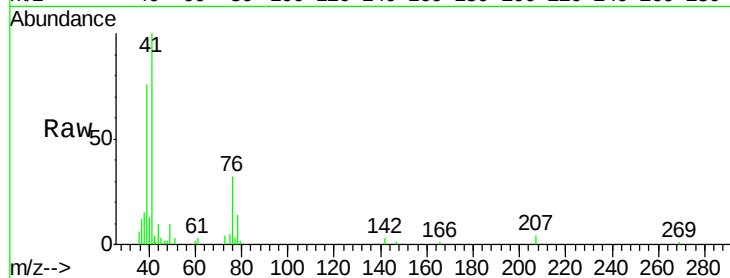
#17
Allvl chloride
Concen: 2.523 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.3	38.1	114.5
76	32.5	18.8	56.4

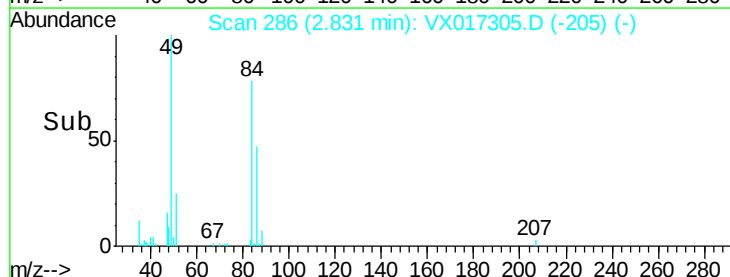
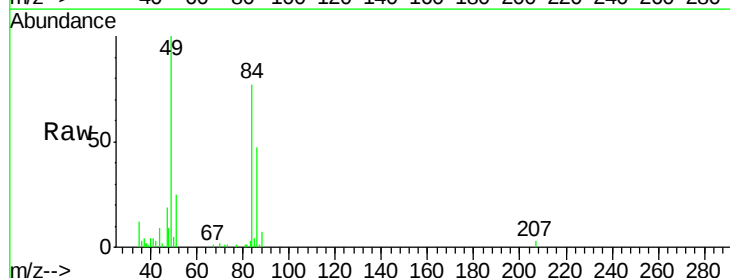
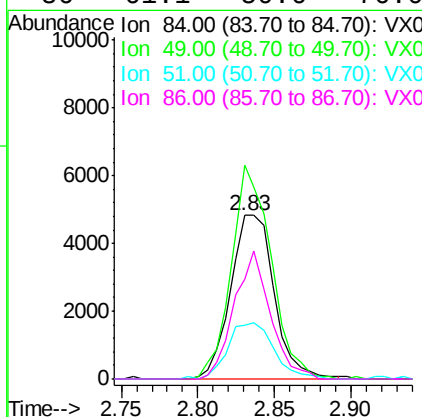
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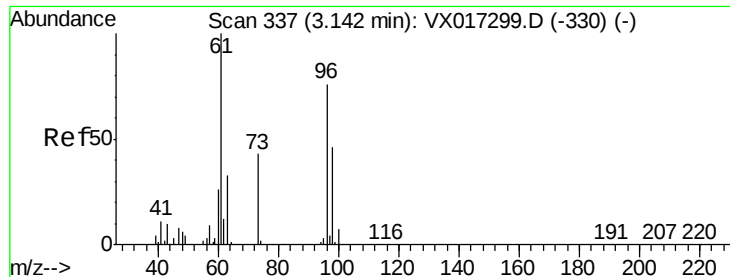
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#18
Methylene Chloride
Concen: 2.888 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.7	95.7	143.5
51	33.0	27.2	40.8
86	61.1	50.6	76.0





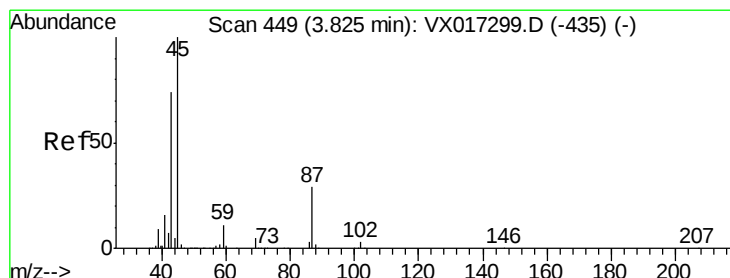
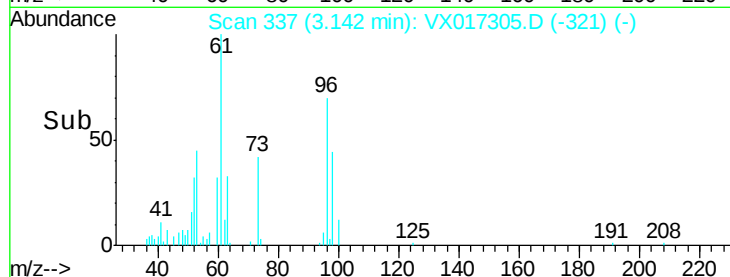
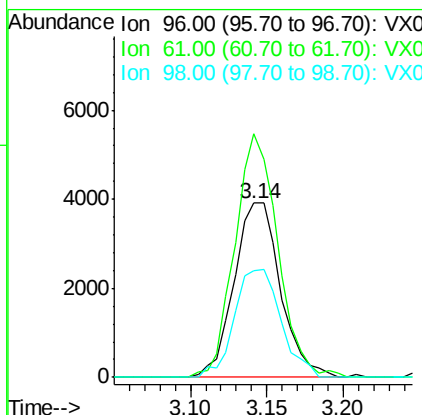
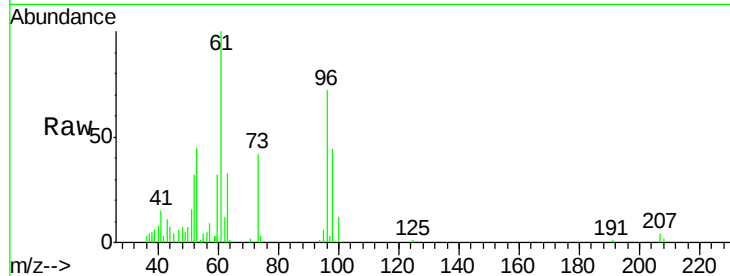
#19
trans-1,2-Dichloroethene
Concen: 2.624 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	139.6	105.0	157.6	
98	61.5	48.6	73.0	

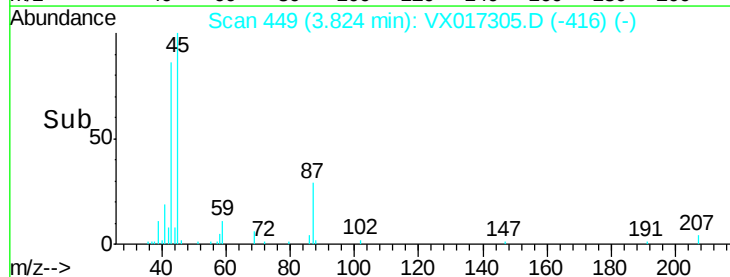
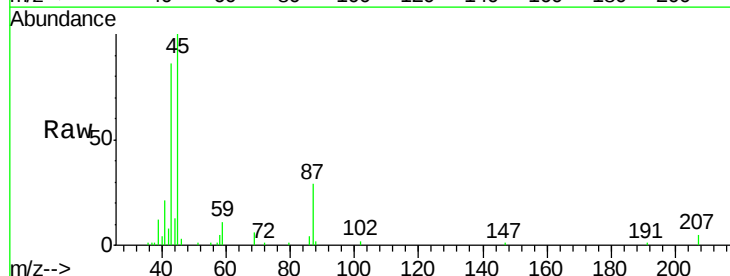
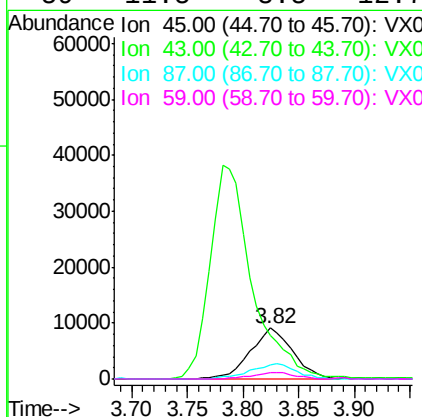
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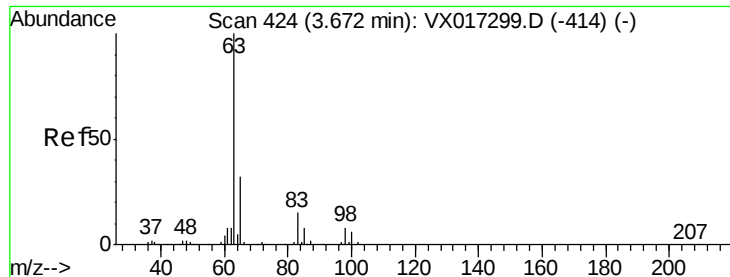
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#20
Diisopropyl ether
Concen: 2.409 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	82.5	59.5	89.3	
87	28.8	23.2	34.8	
59	11.5	8.5	12.7	





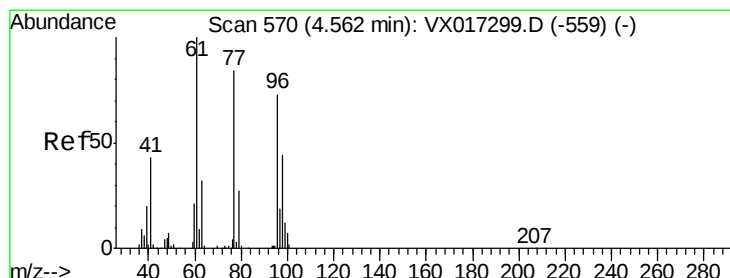
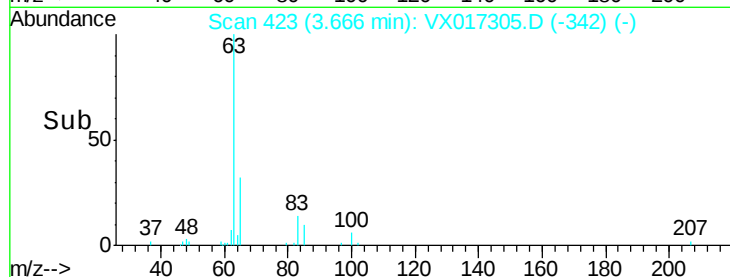
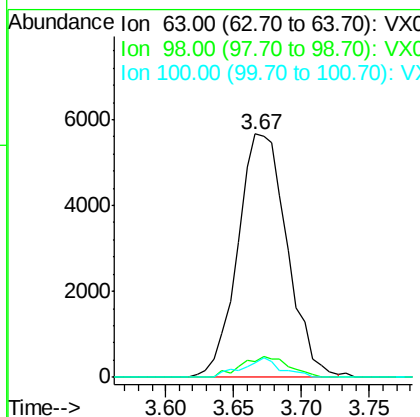
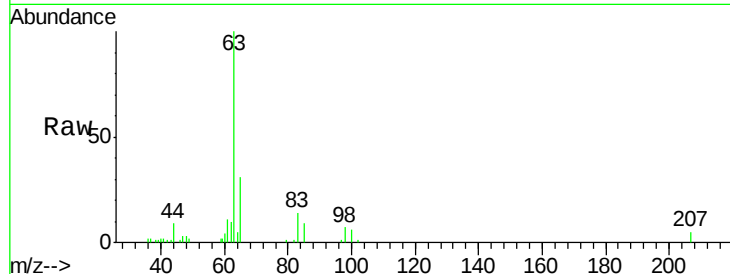
#21
1,1-Dichloroethane
Concen: 2.555 ug/l
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.7	4.2	12.4	
100	6.1	2.8	8.3	

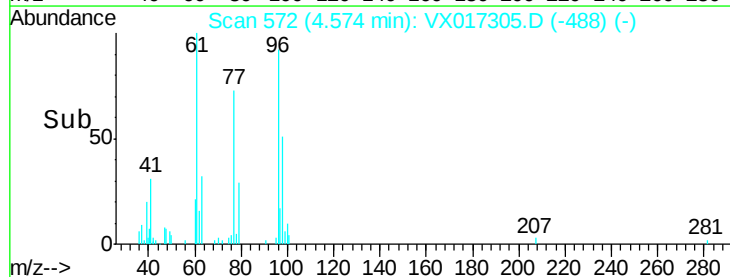
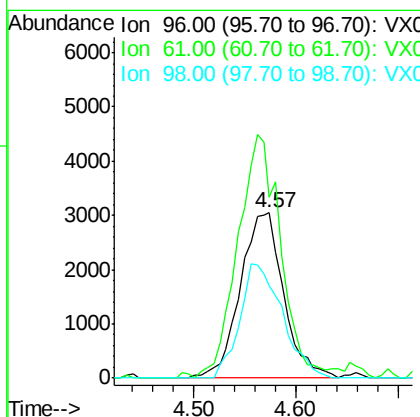
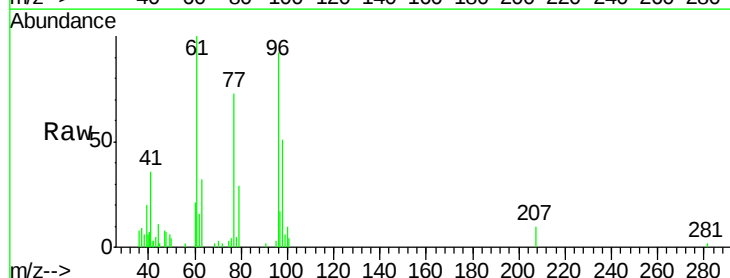
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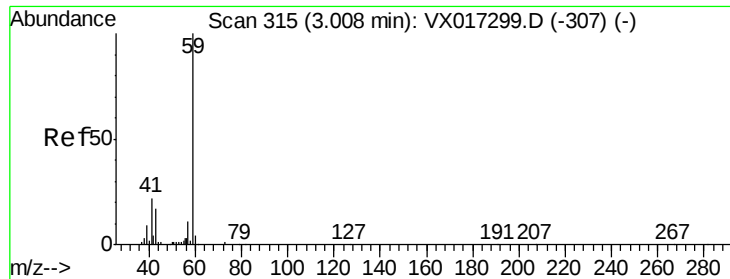
MMDadoda
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#22
cis-1,2-Dichloroethene
Concen: 2.504 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.7	111.7	167.5	
98	68.0	50.9	76.3	





#23

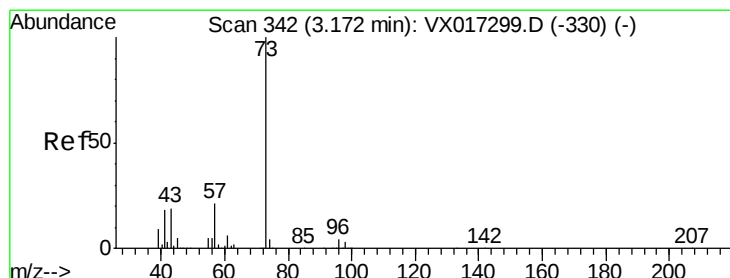
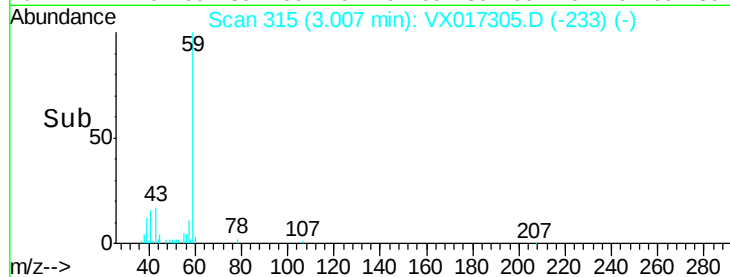
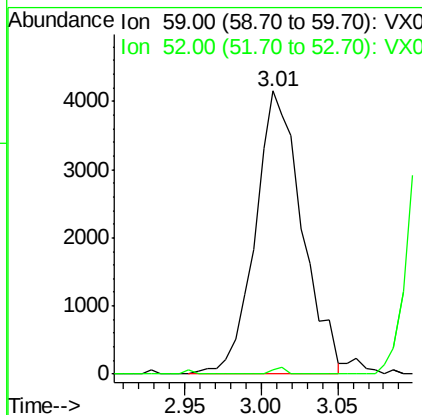
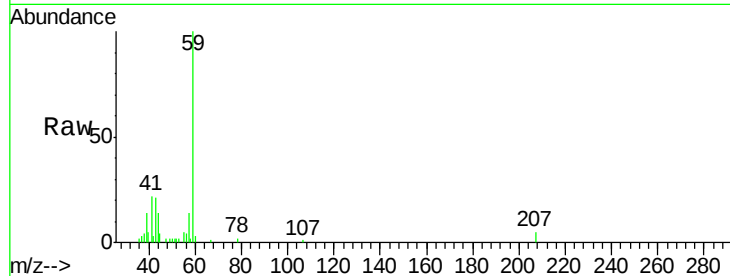
tert-Butyl Alcohol
 Concen: 12.653 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.7	0.4	0.6#

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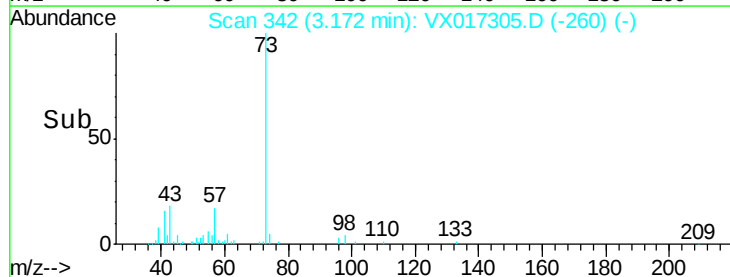
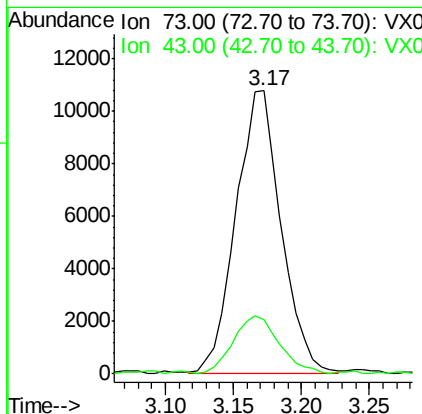
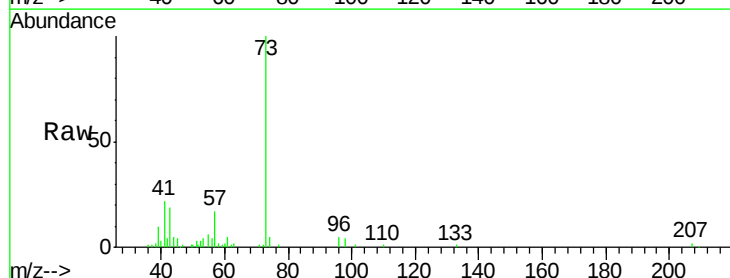
MMDadoda
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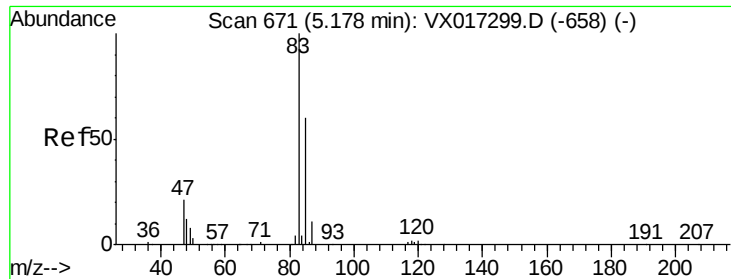


#24

Methyl tert-Butyl Ether
 Concen: 2.434 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.3	24.5





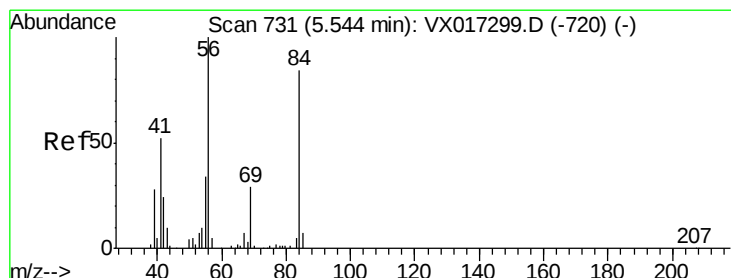
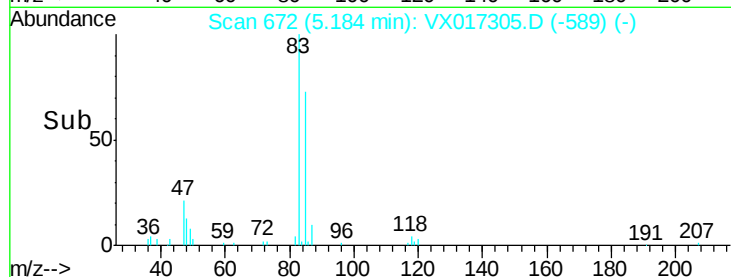
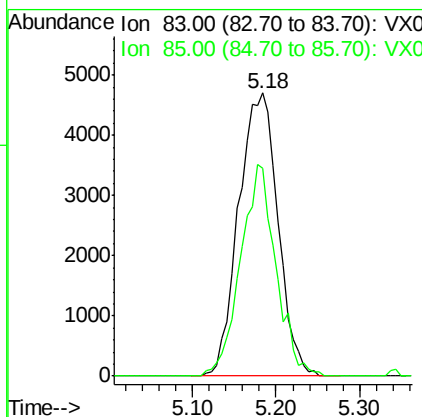
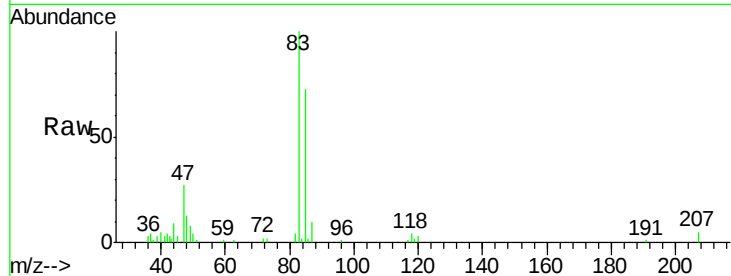
#25
Chloroform
Concen: 2.548 ug/l m
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 83 Resp: 15248
Ion Ratio Lower Upper
83 100
85 73.2 47.8 71.8#

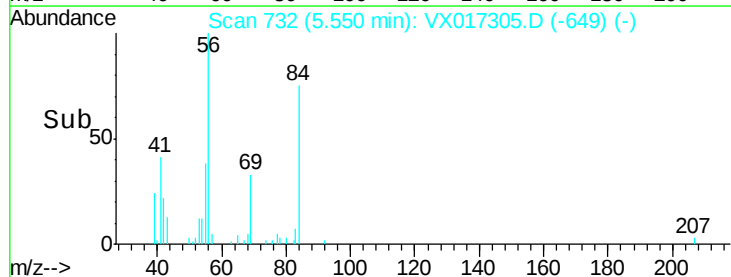
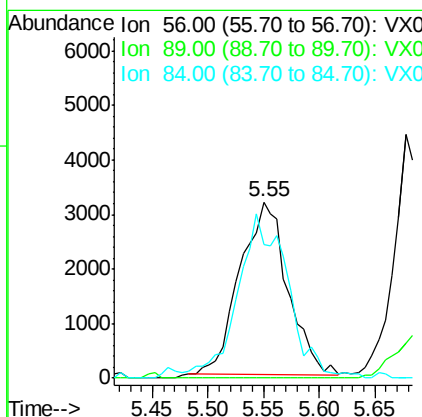
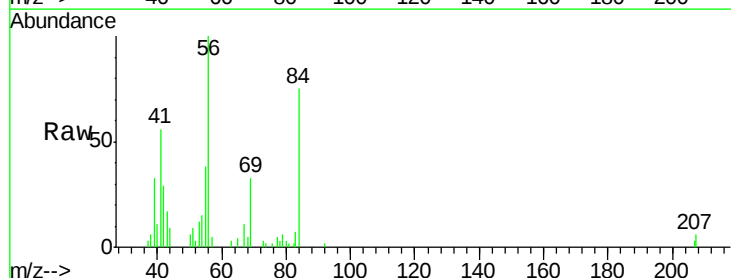
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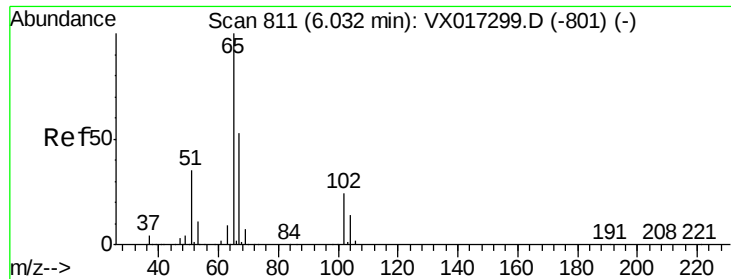
MMDadoda
7/10/2020 12:36:43 PM



#26
Cyclohexane
Concen: 2.179 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 56 Resp: 9534
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 57.8 71.5 107.3#





#27

1,2-Dichloroethane-d4

Concen: 30.449 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 128301

Ion Ratio Lower Upper

65 100

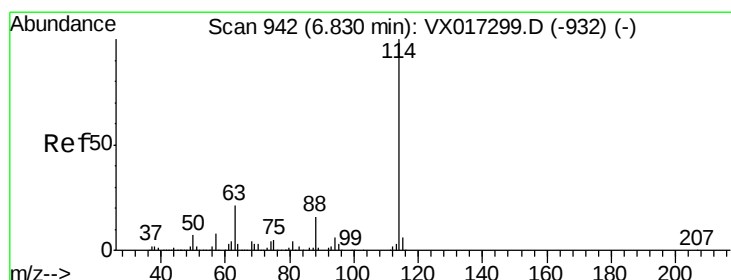
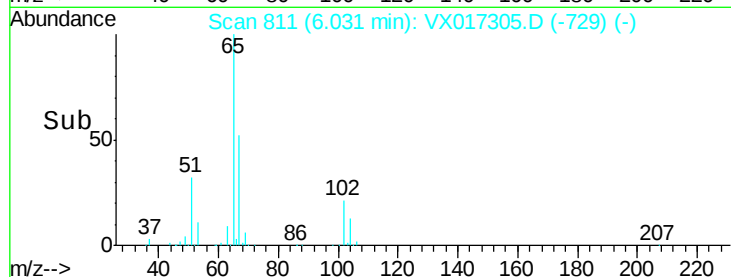
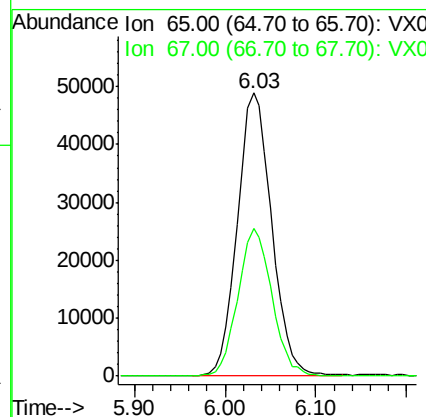
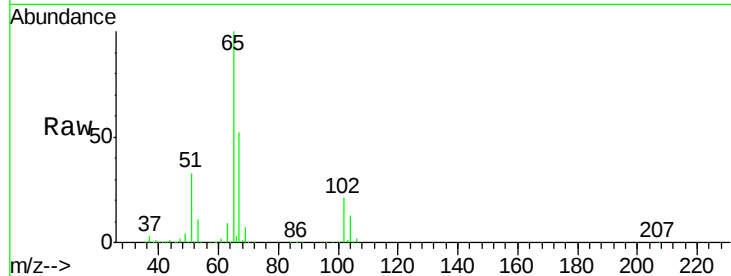
67 51.6 41.0 61.6

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

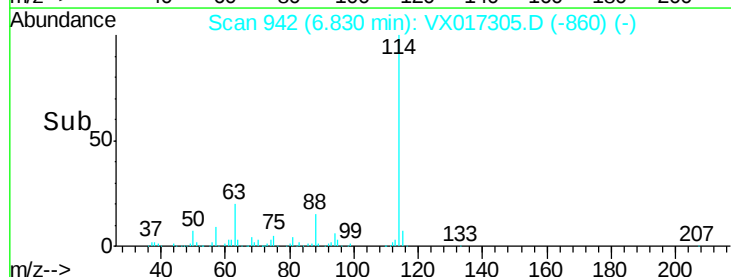
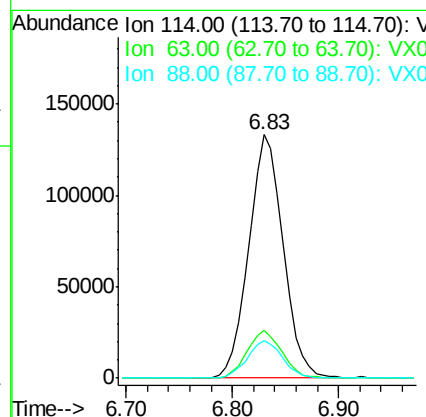
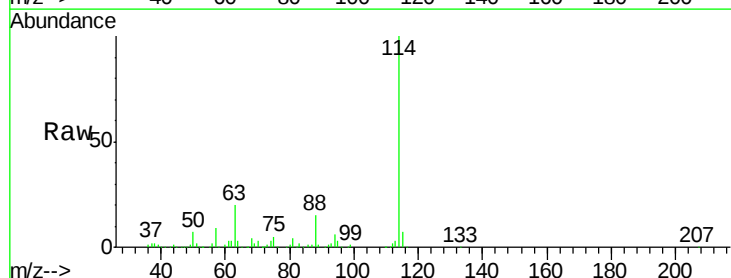
Tgt Ion: 114 Resp: 302665

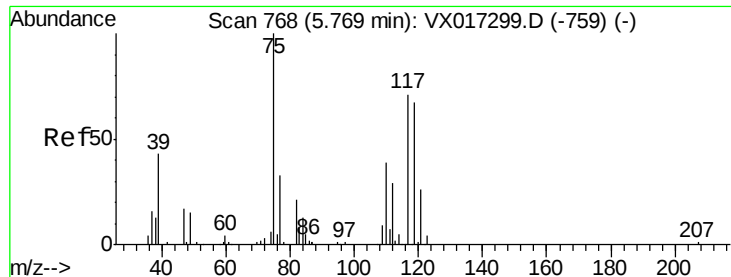
Ion Ratio Lower Upper

114 100

63 19.9 15.9 23.9

88 15.7 12.4 18.6





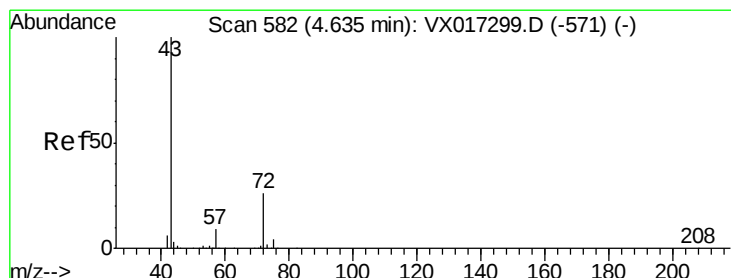
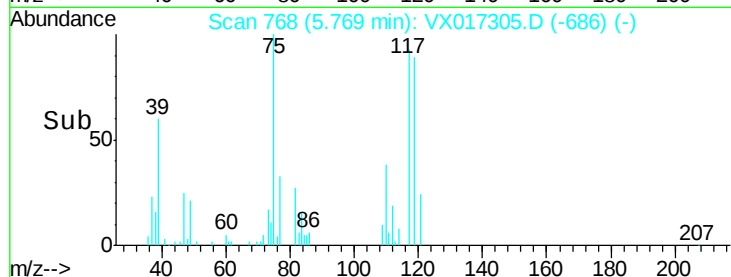
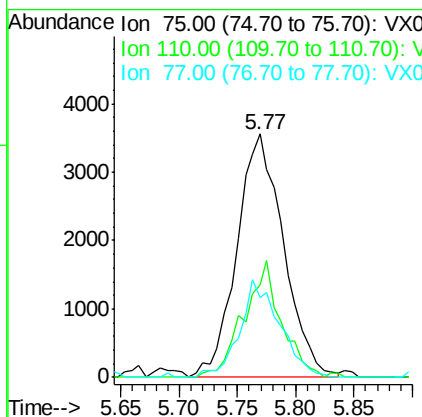
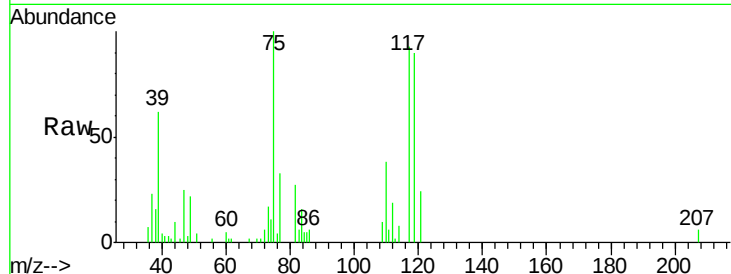
#29
 1,1-Dichloropropene
 Concen: 2.382 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.3	0.0	75.8
77	33.7	0.0	63.4

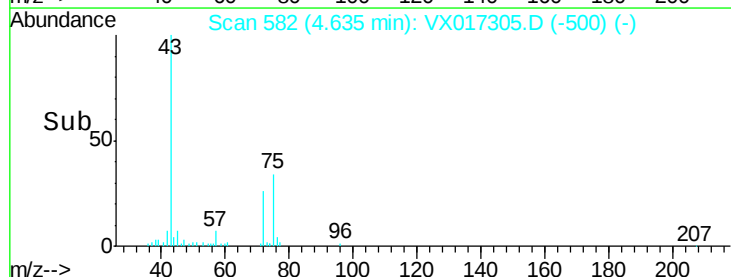
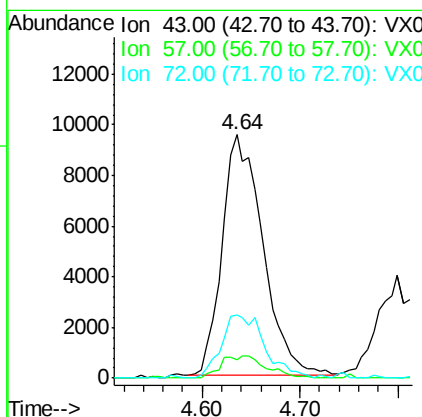
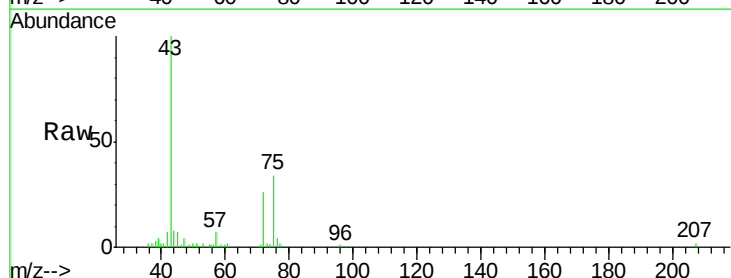
Manual Integrations
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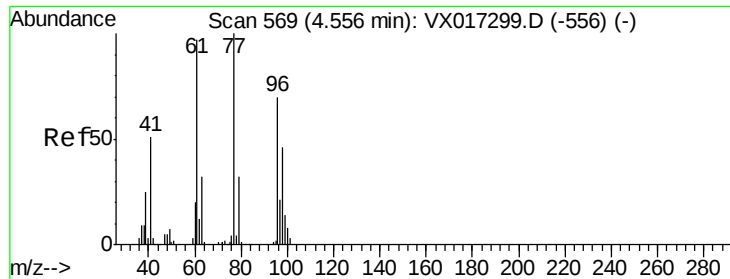
MMDadoda
 7/10/2020 12:36:43 PM



#30
 2-Butanone
 Concen: 12.109 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	2.9	6.8	10.2#
72	17.4	21.0	31.6#





#31

2,2-Dichloropropane

Concen: 2.678 ug/l m

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 77 Resp: 14004

Ion Ratio Lower Upper

77 100

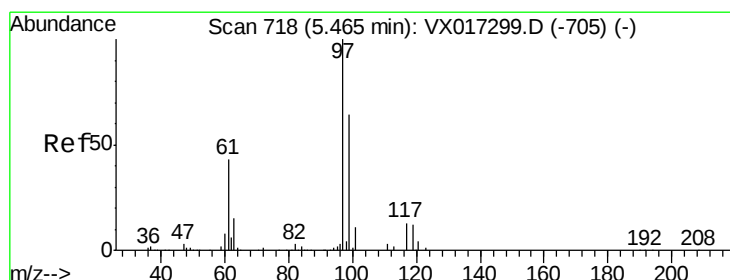
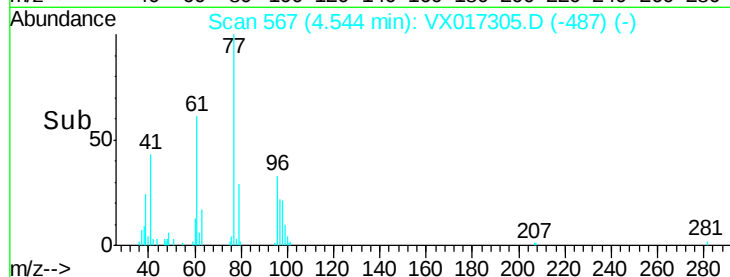
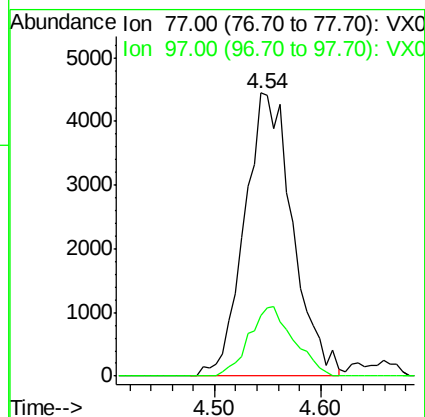
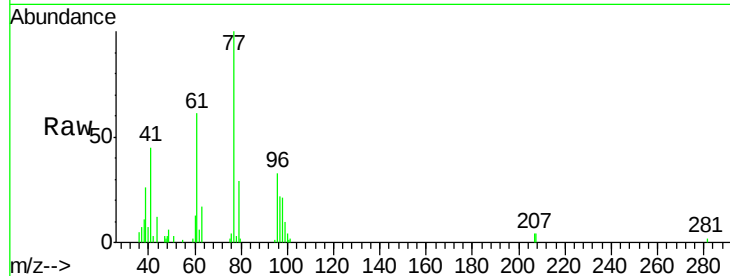
97 22.6 18.2 27.2

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 2.587 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

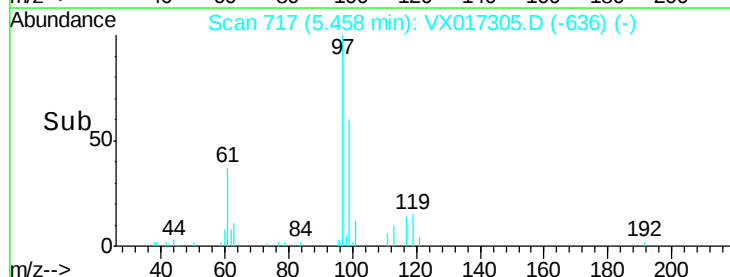
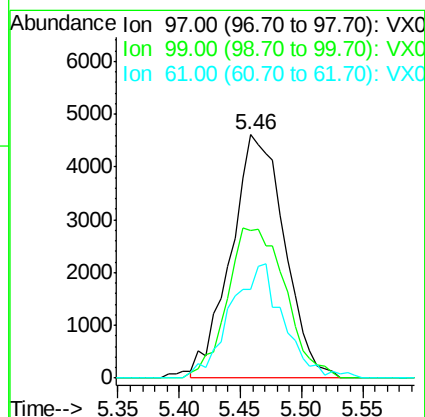
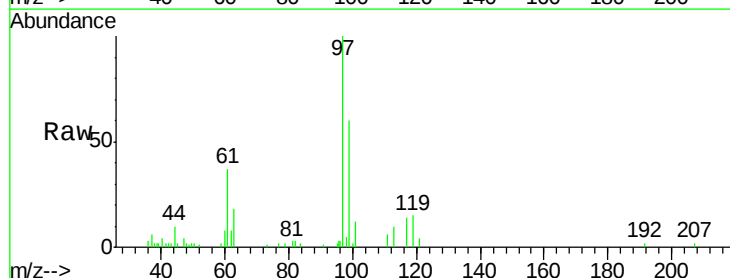
Tgt Ion: 97 Resp: 14057

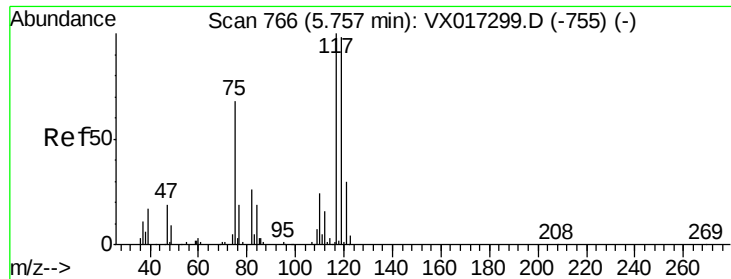
Ion Ratio Lower Upper

97 100

99 66.6 53.2 79.8

61 45.5 34.0 51.0





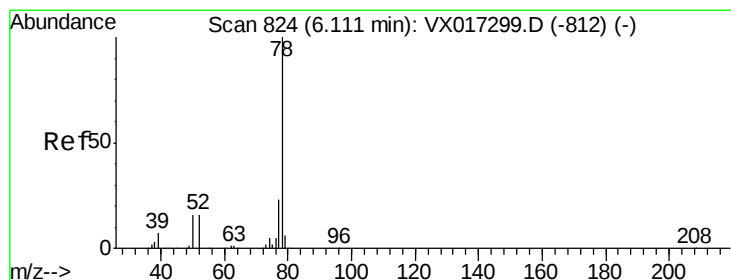
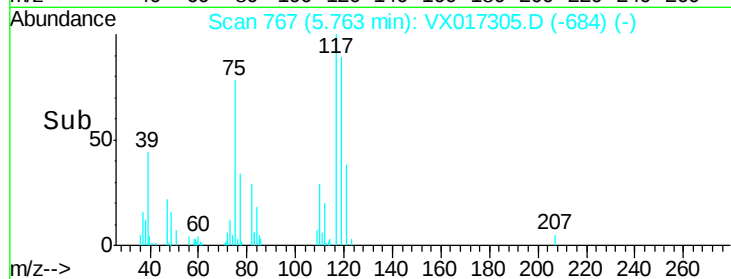
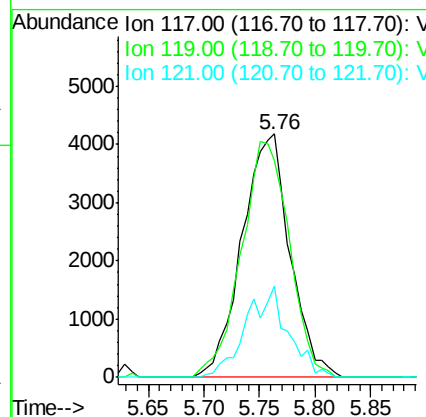
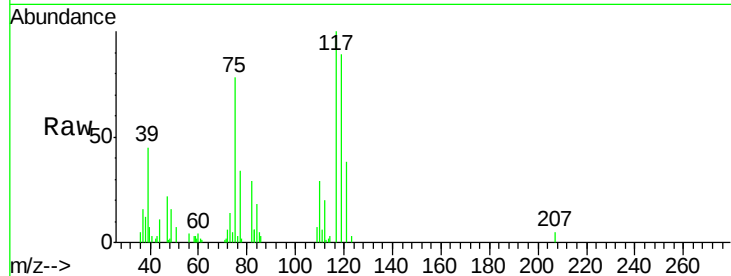
#33
Carbon Tetrachloride
Concen: 2.501 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
117	100		
119	88.8	78.8	118.2
121	37.5	23.7	35.5#

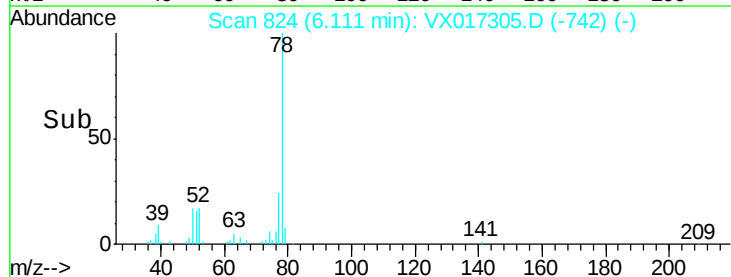
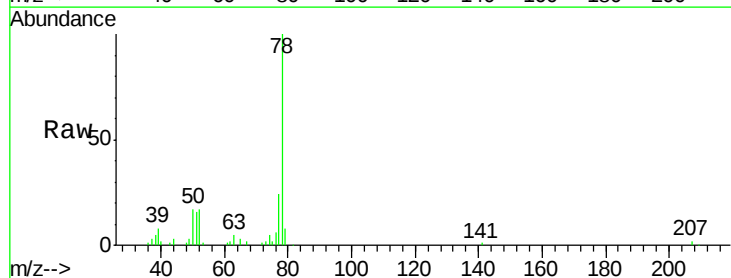
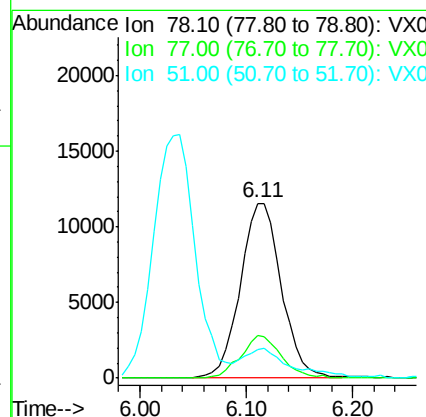
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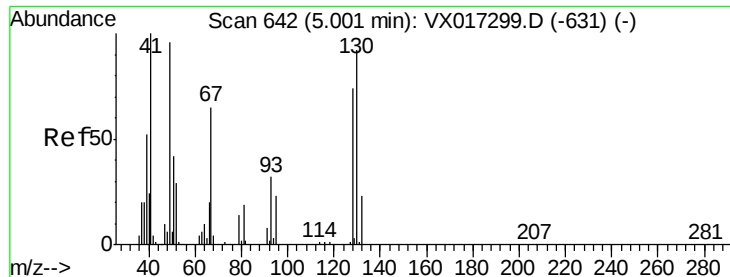
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#34
Benzene
Concen: 2.518 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.1	27.1
51	14.0	12.9	19.3





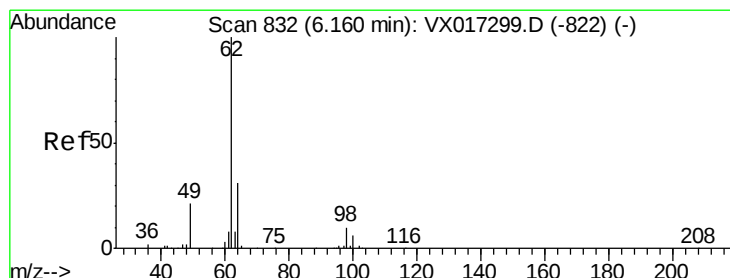
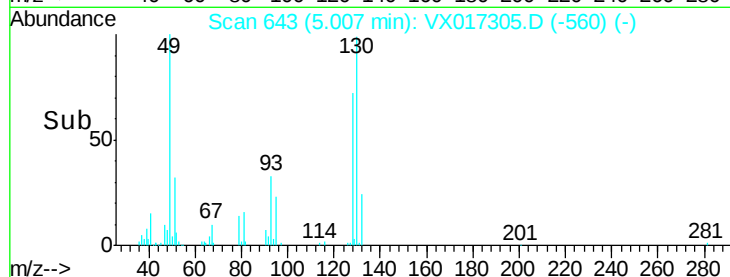
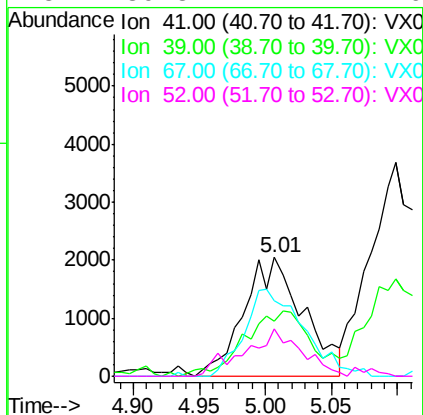
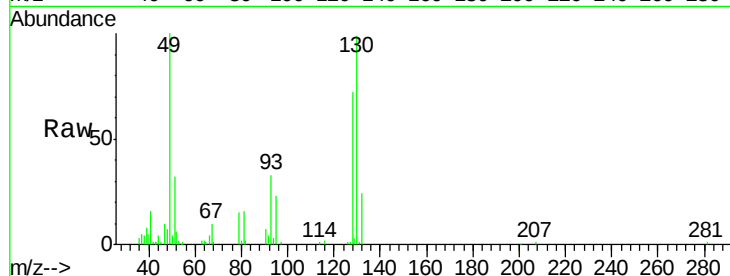
#35
Methacrylonitrile
Concen: 2.508 ug/l m
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:	41	Resp:	6411
Ion	Ratio	Lower	Upper
41	100		
39	46.9	26.0	78.0
67	63.2	32.6	97.8
52	39.8	14.2	42.6

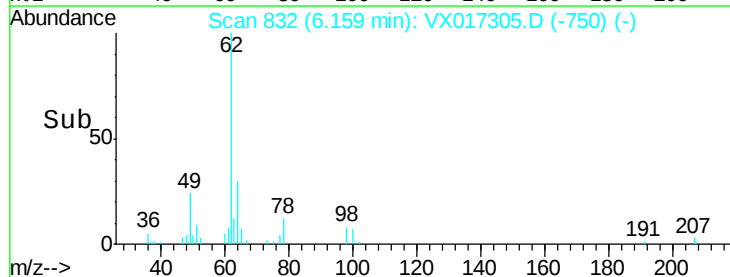
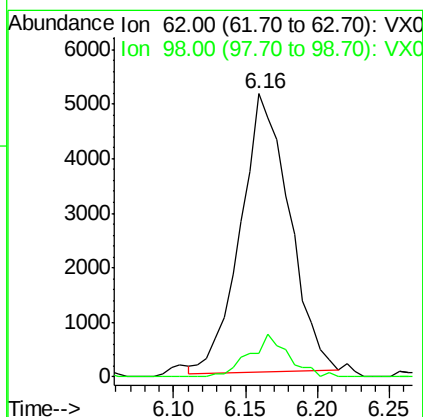
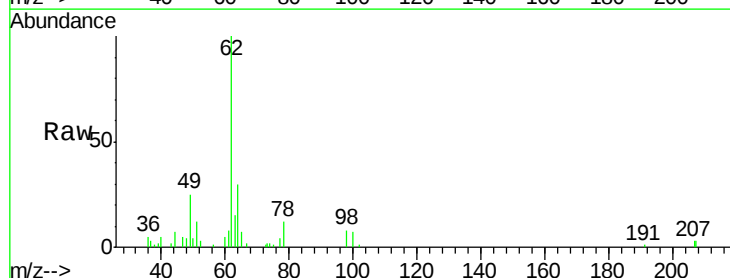
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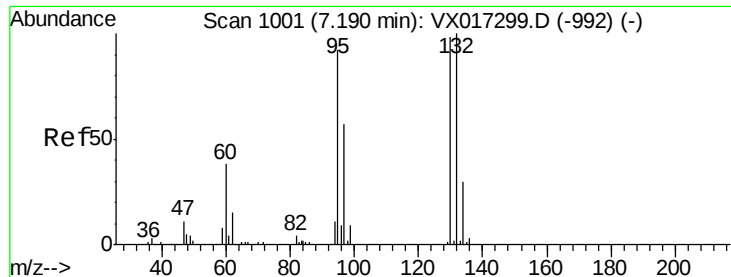
MMDadoda
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#36
1,2-Dichloroethane
Concen: 2.459 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:	62	Resp:	12025
Ion	Ratio	Lower	Upper
62	100		
98	5.0	7.8	11.8#





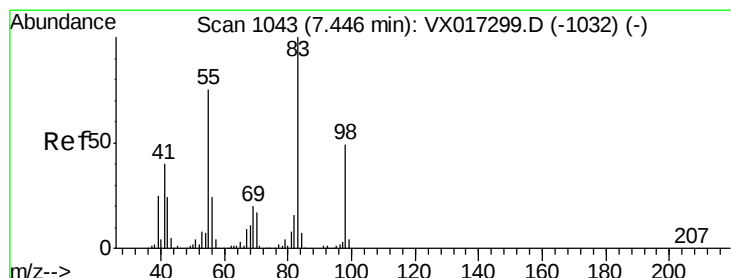
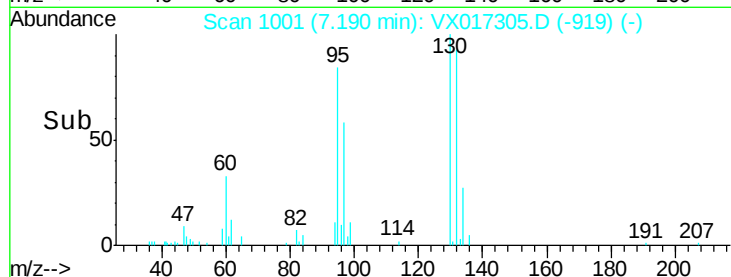
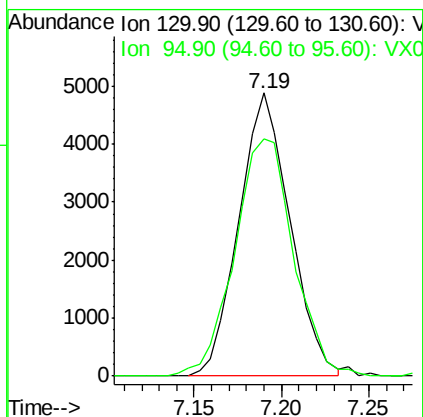
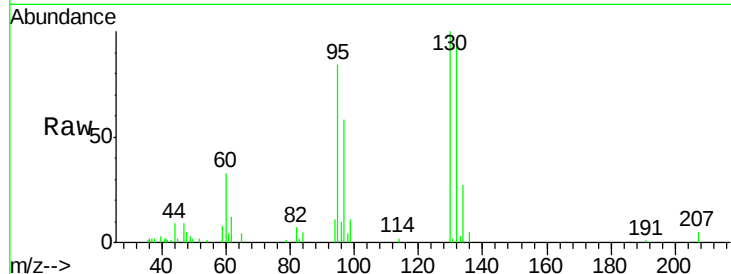
#37
 Trichloroethene
 Concen: 2.665 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:130 Resp: 9956
 Ion Ratio Lower Upper
 130 100
 95 81.0 74.4 111.6

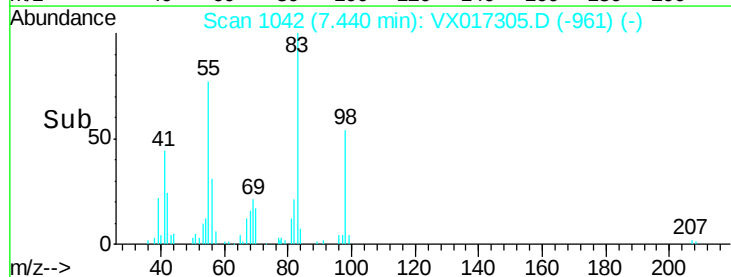
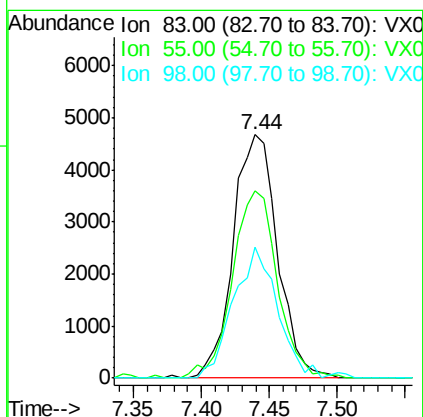
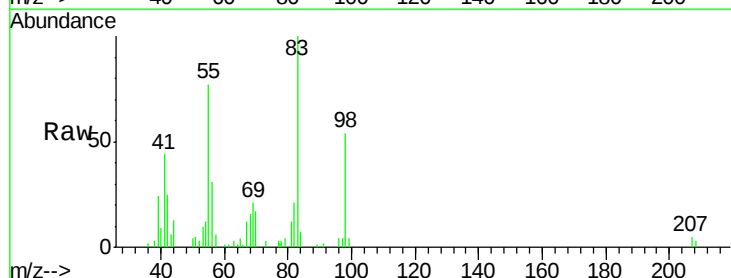
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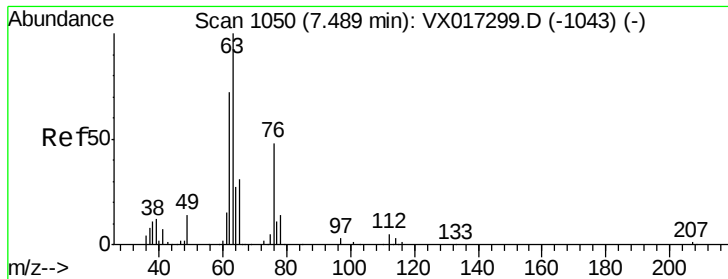
MMDadoda
 7/10/2020 12:36:43 PM



#38
 Methylcyclohexane
 Concen: 2.417 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion: 83 Resp: 10629
 Ion Ratio Lower Upper
 83 100
 55 77.4 39.0 117.0
 98 53.6 25.3 75.9





#39

1,2-Dichloropropane

Concen: 2.537 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 8233

Ion Ratio Lower Upper

63 100

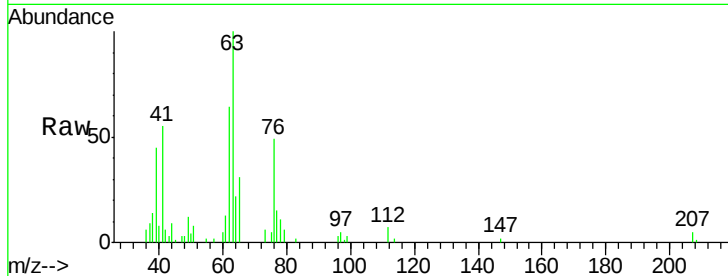
65 30.8 27.4 41.0

Manual Integrations

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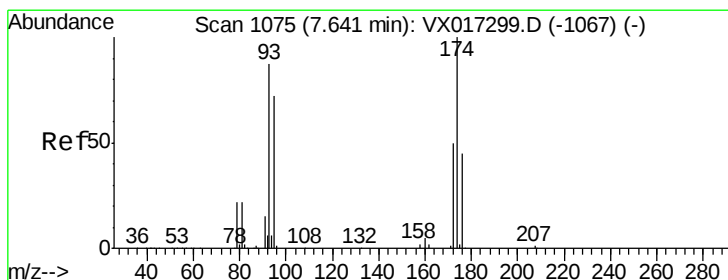
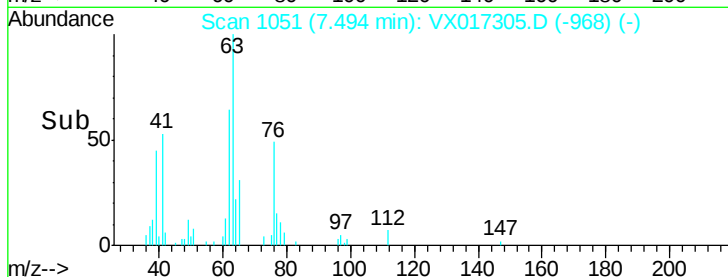
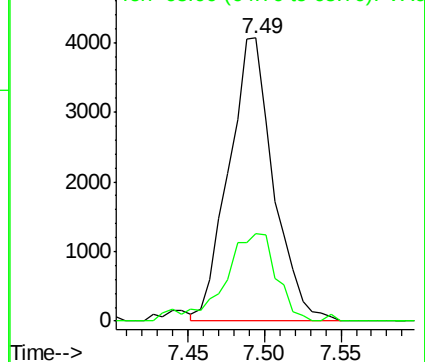
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 2.647 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

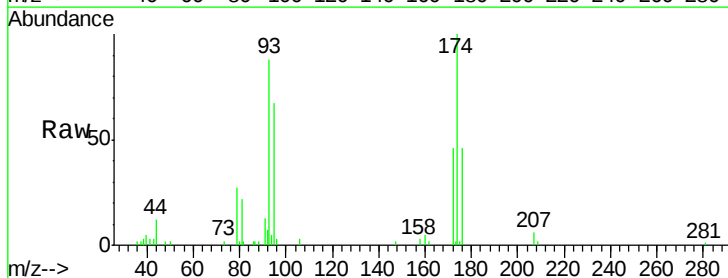
Tgt Ion: 93 Resp: 6188

Ion Ratio Lower Upper

93 100

95 79.4 0.0 164.4

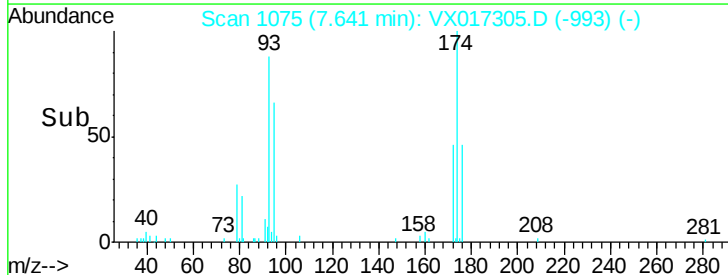
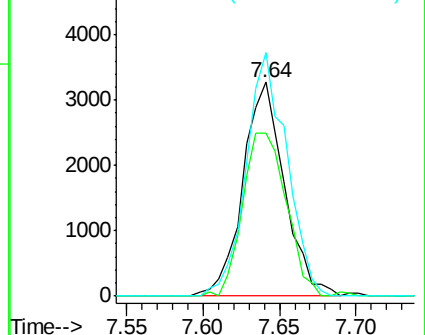
174 110.9 0.0 224.8

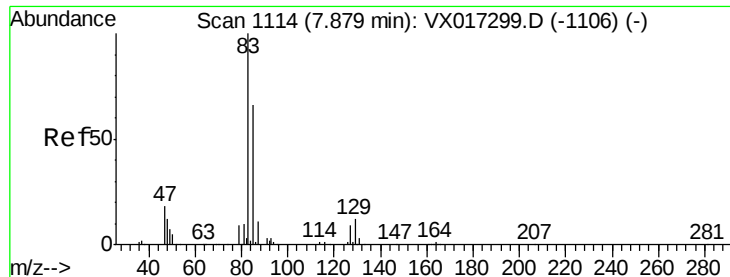


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 2.475 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

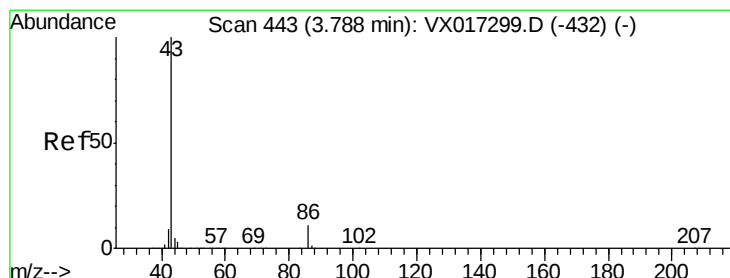
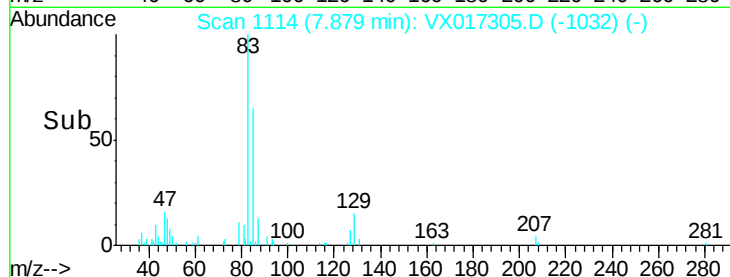
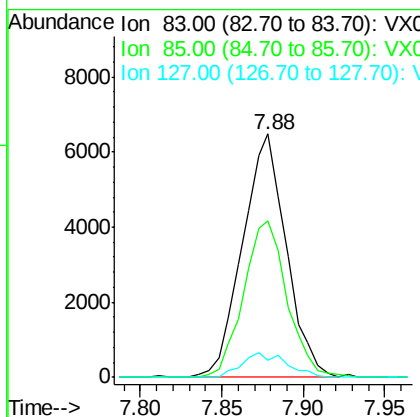
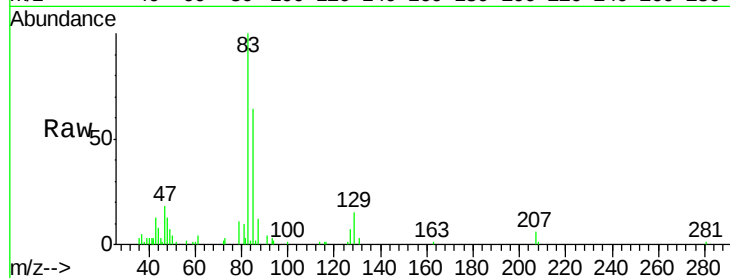
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	12074
Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.1	79.7
127	7.2	7.3	10.9#

Manual Integrations
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7/10/2020 12:36:43 PM



#42

Vinyl Acetate

Concen: 11.510 ug/l

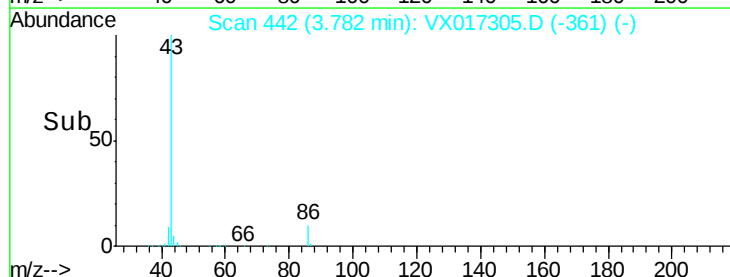
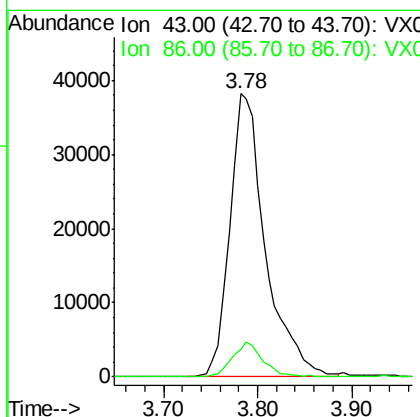
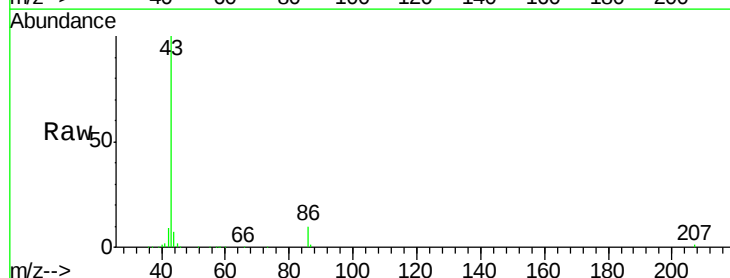
RT: 3.78 min Scan# 442

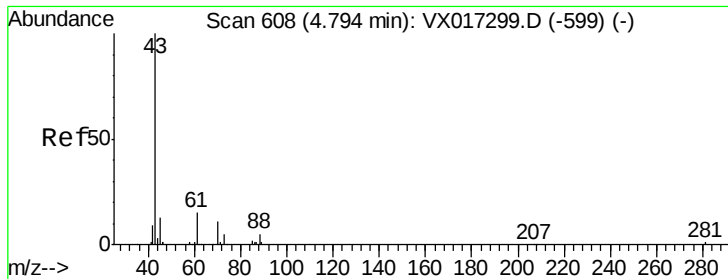
Delta R.T. -0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Tgt Ion:	43	Resp:	100422
Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.9	11.9





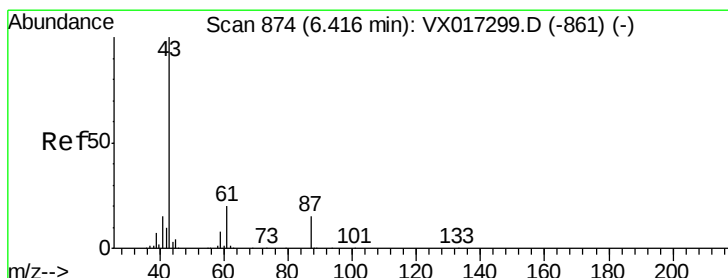
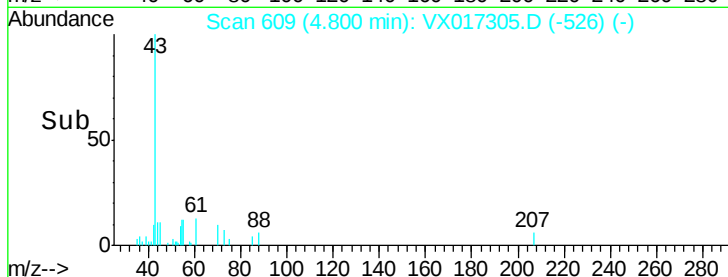
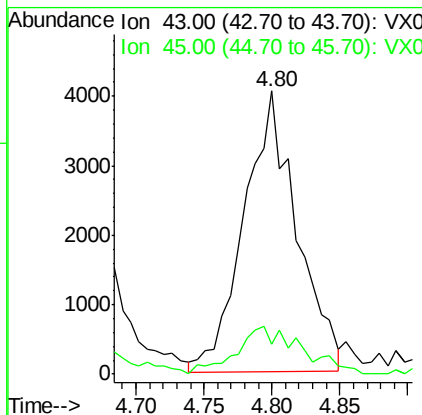
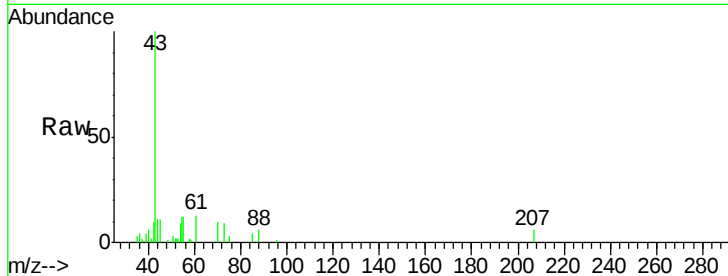
#43
Ethyl Acetate
Concen: 2.453 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	43	Ratio	Lower	Upper
11014	100			
45	13.8	12.1	18.1	

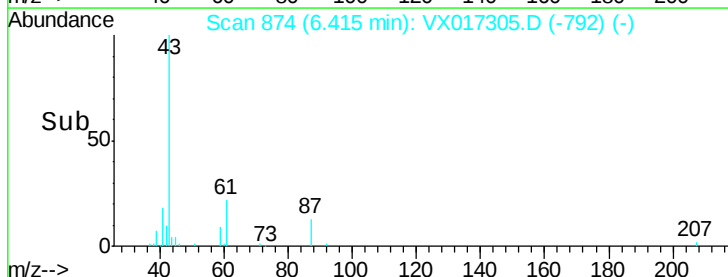
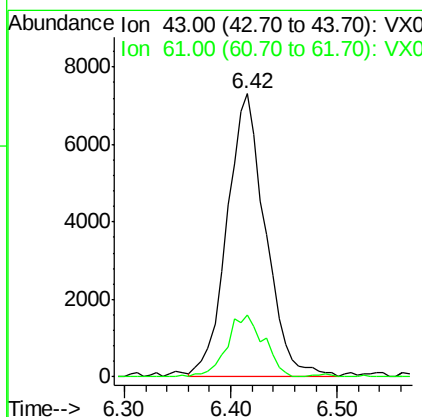
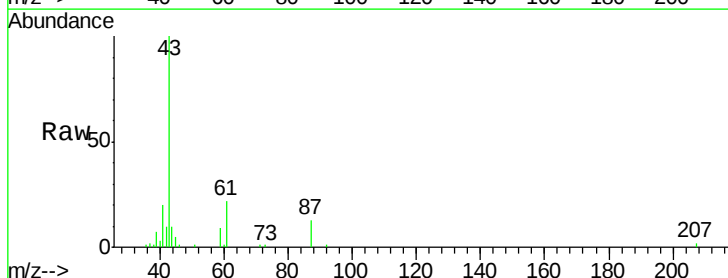
Manual Integrations
APPROVED

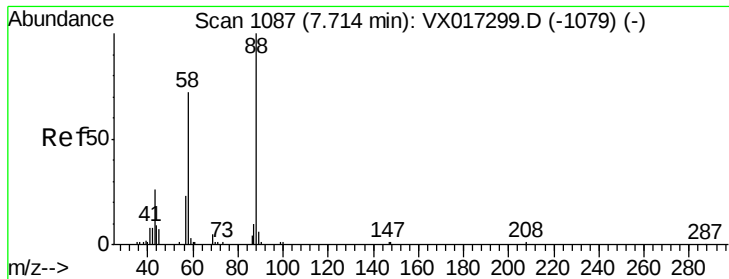
MMDadoda
7/10/2020 12:36:43 PM



#44
Isopropyl Acetate
Concen: 2.477 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	43	Ratio	Lower	Upper
18508	100			
61	21.0	15.7	23.5	





#45

1,4-Dioxane

Concen: 48.331 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

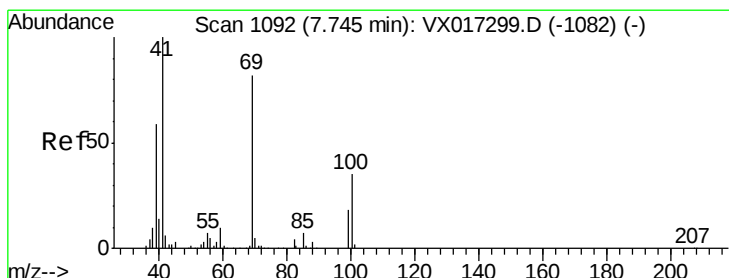
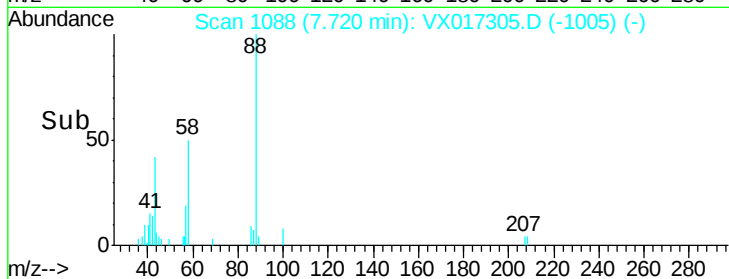
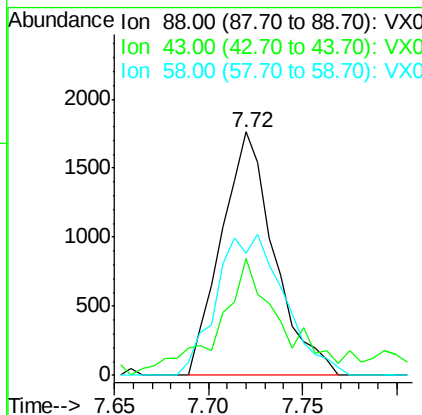
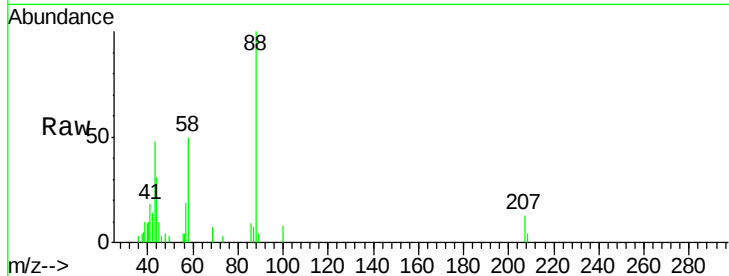
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	88	Resp:	3442
Ion	Ratio	Lower	Upper
88	100		
43	24.0	29.0	43.4#
58	36.7	58.3	87.5#

Manual Integrations
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MMDadoda
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#46

Methyl methacrylate

Concen: 2.148 ug/l

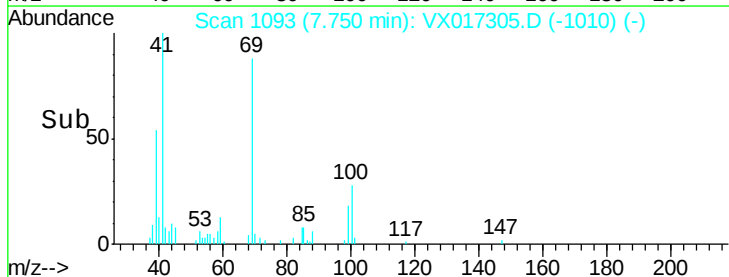
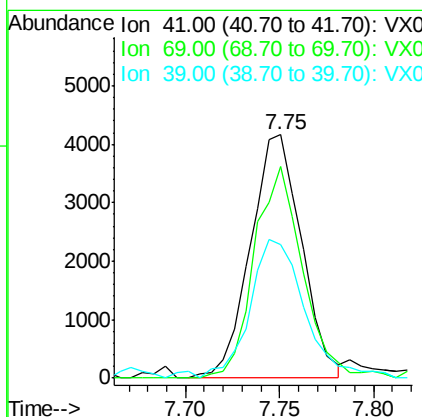
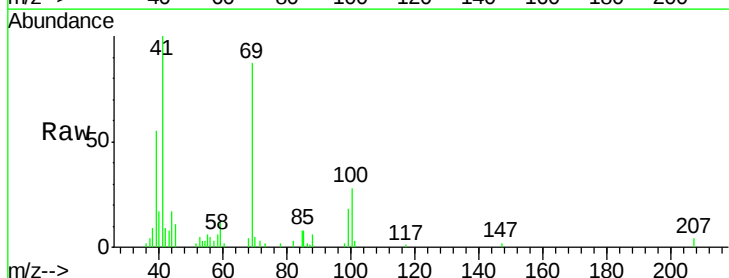
RT: 7.75 min Scan# 1093

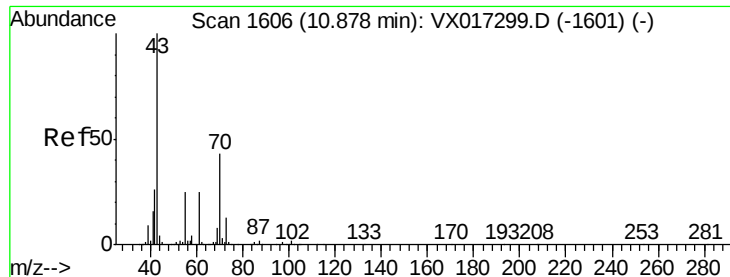
Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Tgt Ion:	41	Resp:	7819
Ion	Ratio	Lower	Upper
41	100		
69	87.0	41.1	123.3
39	52.2	29.2	87.6





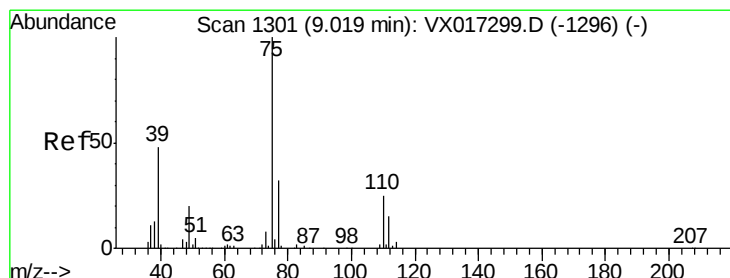
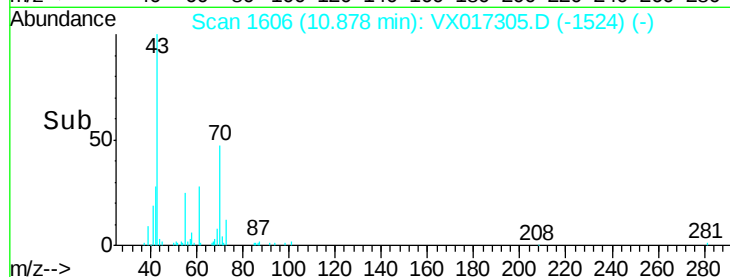
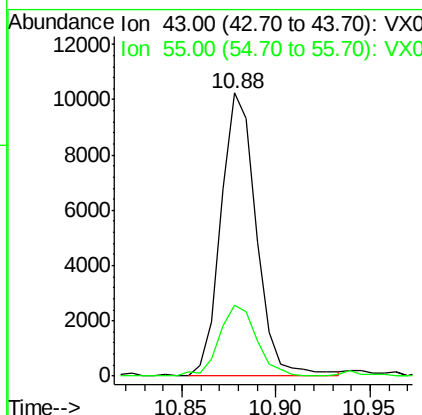
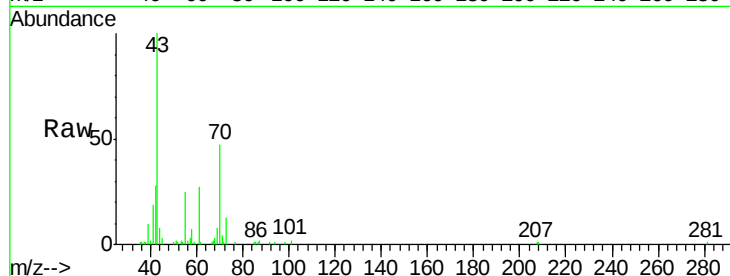
#47
n-amyl Acetate
Concen: 2.017 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 13343
Ion Ratio Lower Upper
43 100
55 26.4 20.4 30.6

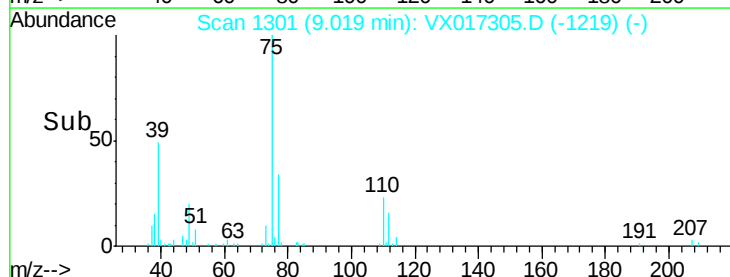
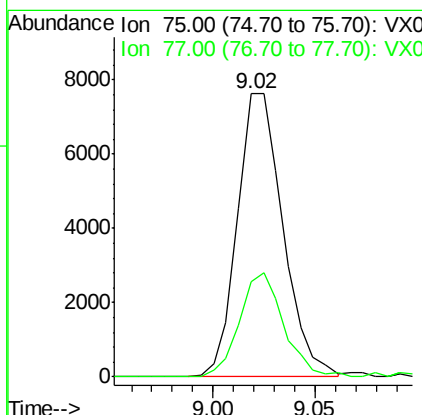
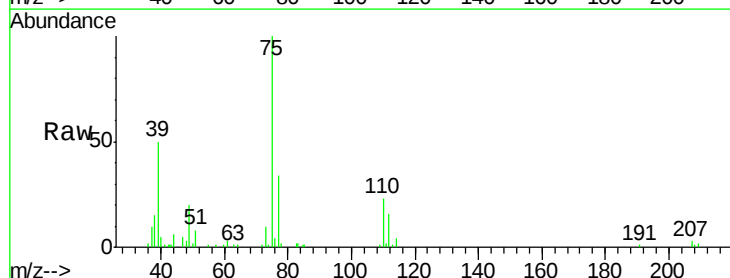
Manual Integrations
APPROVED

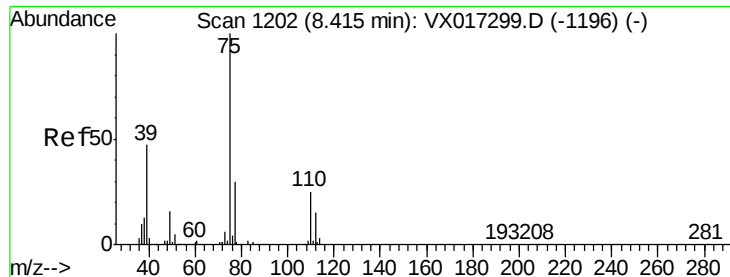
MMDadoda
7/10/2020 12:36:43 PM



#48
t-1,3-Dichloropropene
Concen: 2.205 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion: 75 Resp: 11875
Ion Ratio Lower Upper
75 100
77 33.5 25.6 38.4





#49

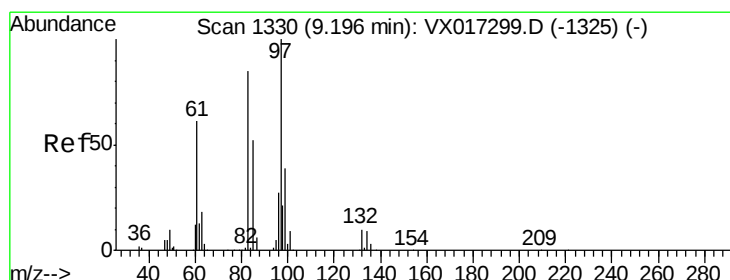
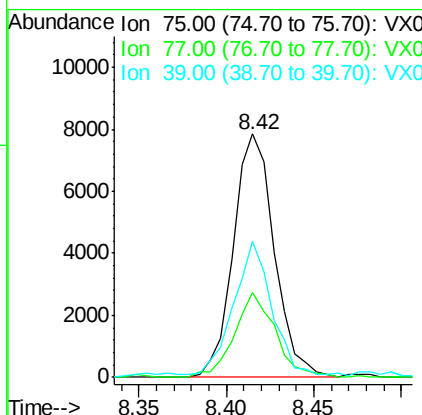
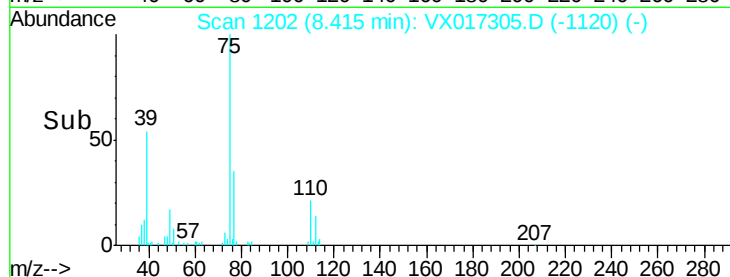
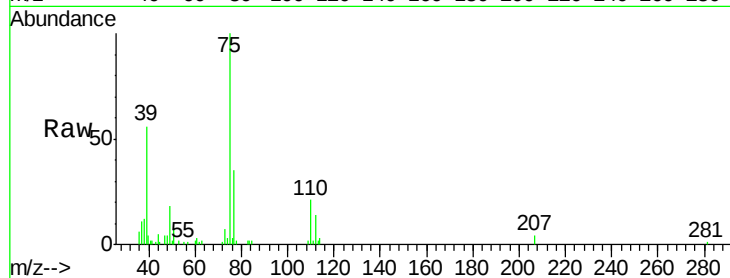
cis-1,3-Dichloropropene
Concen: 2.274 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:	75	Resp:	12817
Ion Ratio	Lower	Upper	
75	100		
77	35.1	23.6	35.4
39	54.6	37.5	56.3

Manual Integrations
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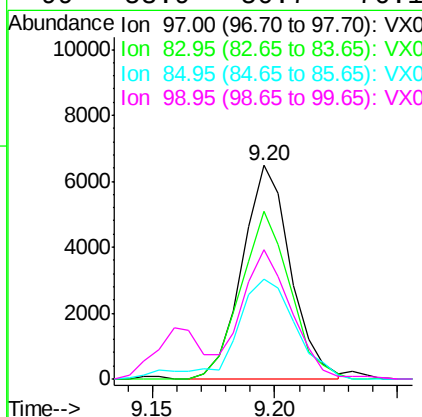
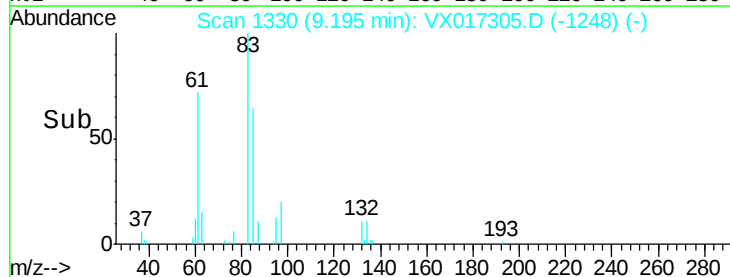
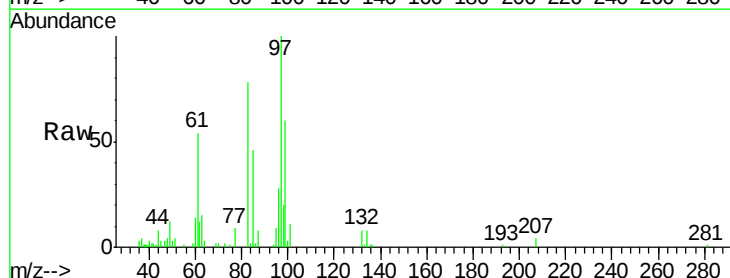
MMDadoda
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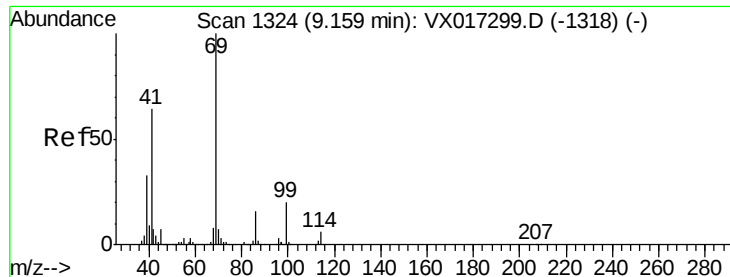


#50

1,1,2-Trichloroethane
Concen: 2.575 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:	97	Resp:	8917
Ion Ratio	Lower	Upper	
97	100		
83	78.4	67.9	101.9
85	44.4	42.6	64.0
99	58.9	50.7	76.1





#51

Ethyl methacrylate

Concen: 2.139 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

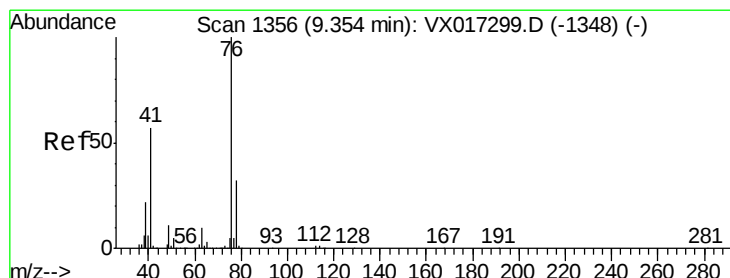
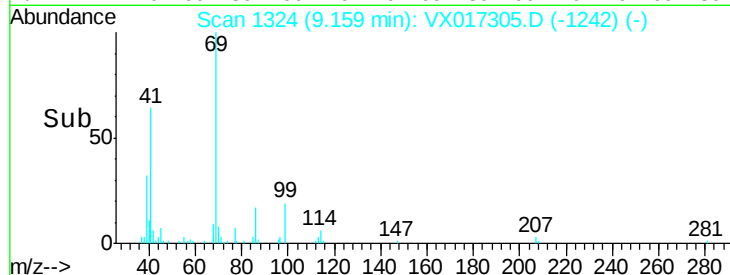
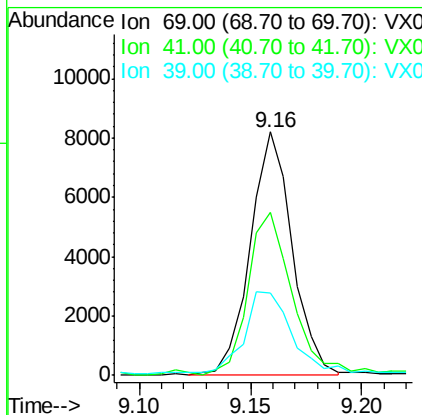
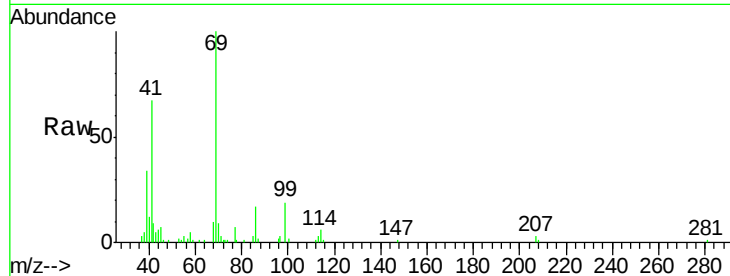
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	69	Resp:	10792
Ion Ratio	Lower	Upper	
69	100		
41	65.8	32.1	96.5
39	32.6	16.3	48.9

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 2.414 ug/l

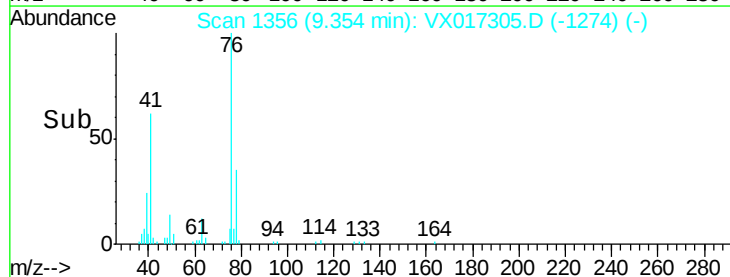
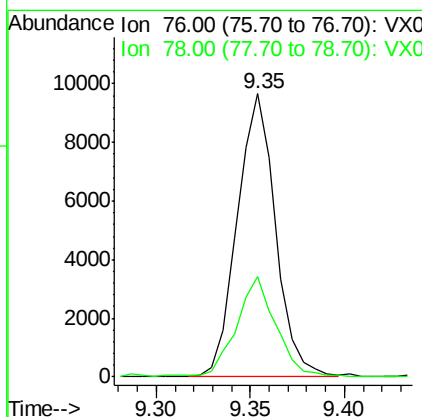
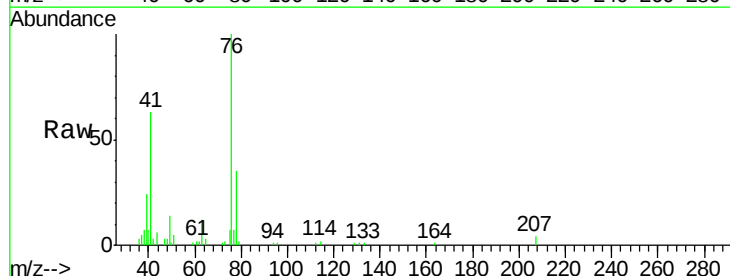
RT: 9.35 min Scan# 1356

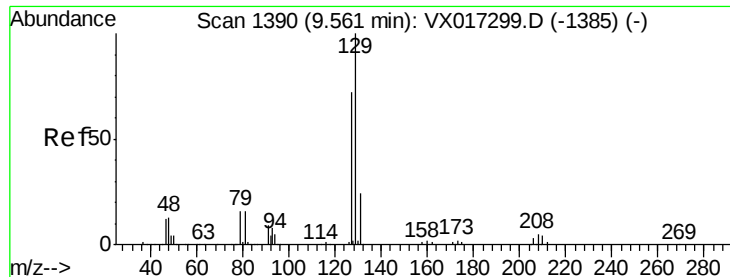
Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Tgt Ion:	76	Resp:	13617
Ion Ratio	Lower	Upper	
76	100		
78	36.1	0.0	65.6





#53

Dibromochloromethane

Concen: 2.253 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:129 Resp: 9524

Ion Ratio Lower Upper

129 100

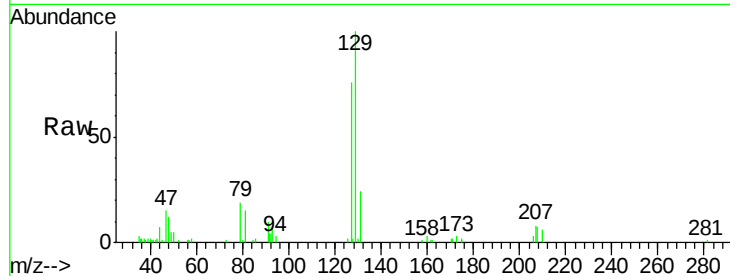
127 78.7 37.5 112.5

Manual Integrations

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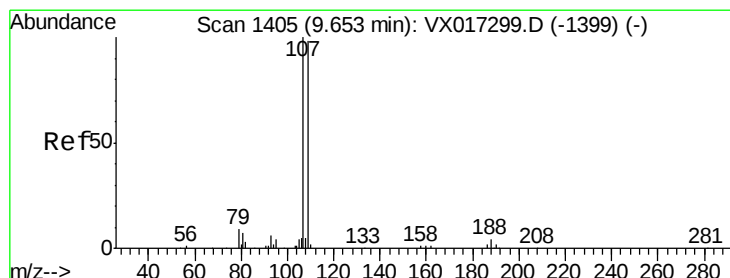
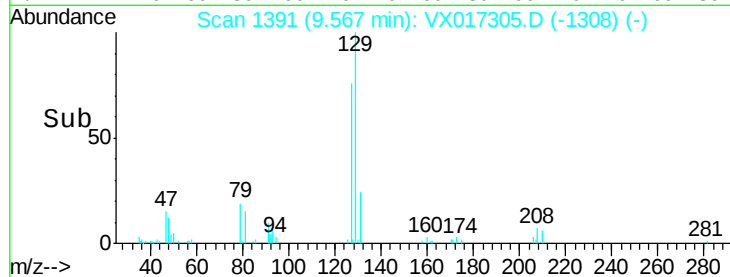
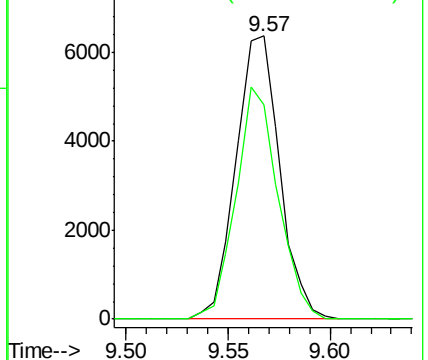
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.427 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017305.D

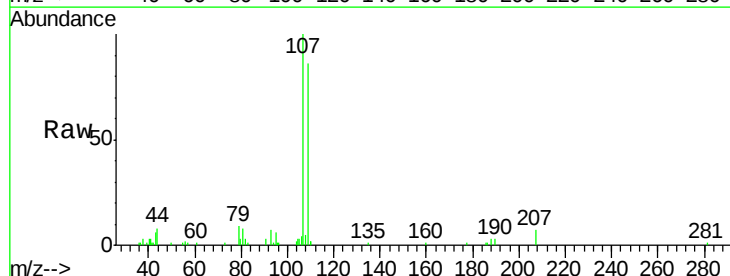
Acq: 09 Jul 2020 14:18

Tgt Ion:107 Resp: 8987

Ion Ratio Lower Upper

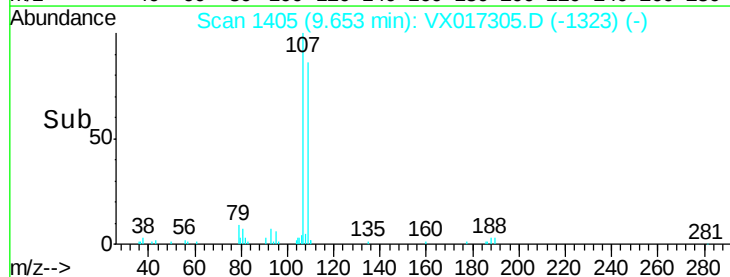
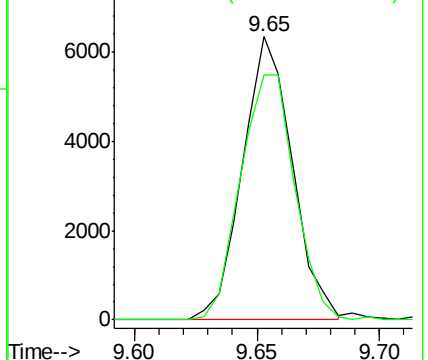
107 100

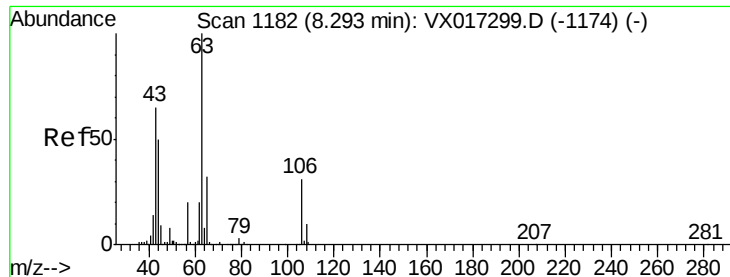
109 94.2 76.9 115.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





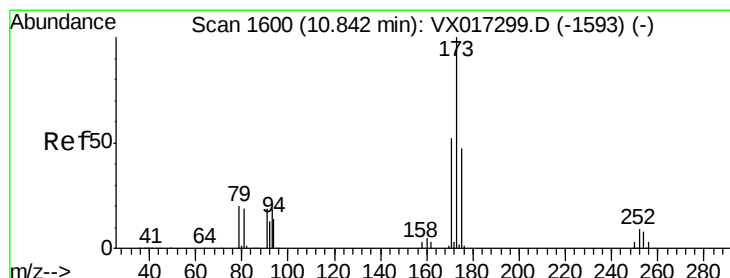
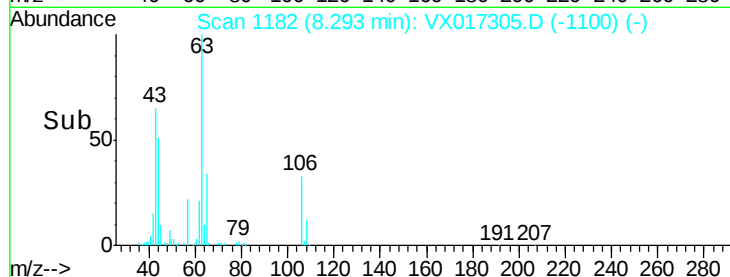
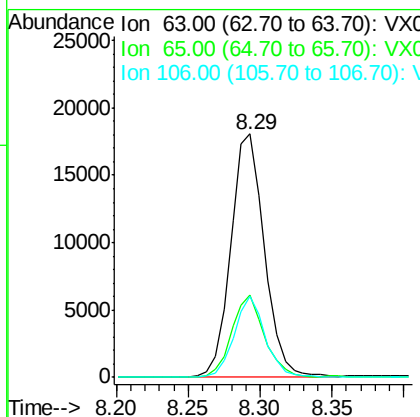
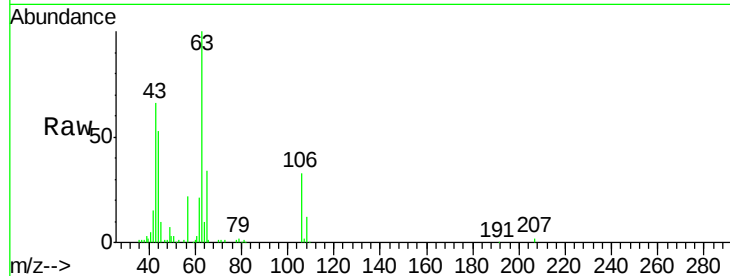
#55
2-Chloroethyl vinyl ether
Concen: 12.560 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.4	38.0
106	30.4	24.5	36.7

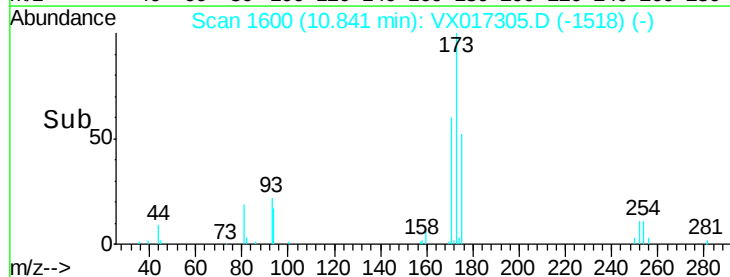
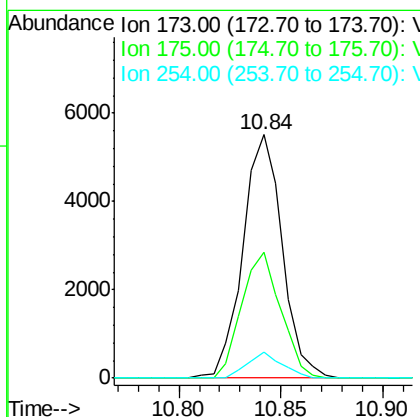
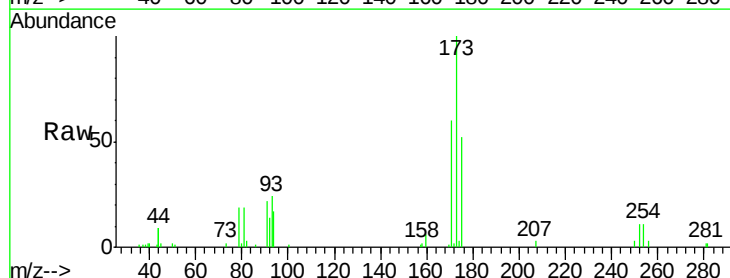
Manual Integrations
APPROVED

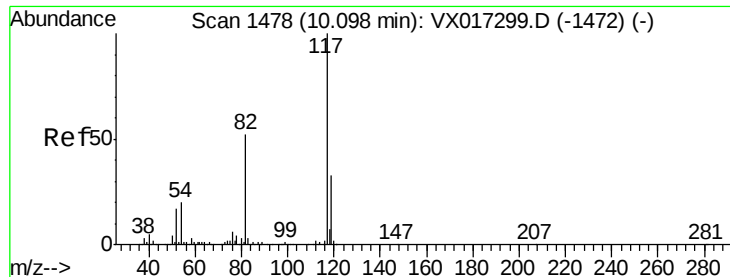
MMDadoda
7/10/2020 12:36:43 PM



#56
Bromoform
Concen: 2.246 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.0	38.4	57.6
254	9.3	7.0	10.4





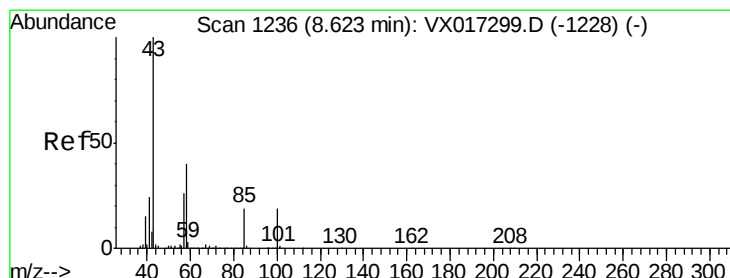
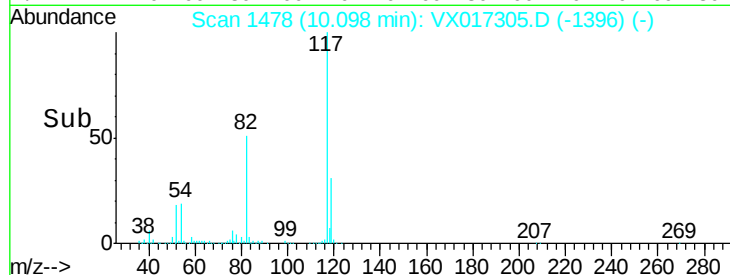
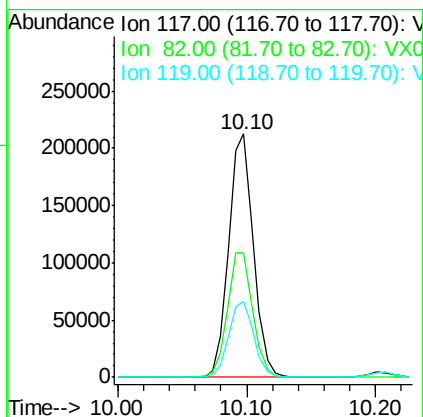
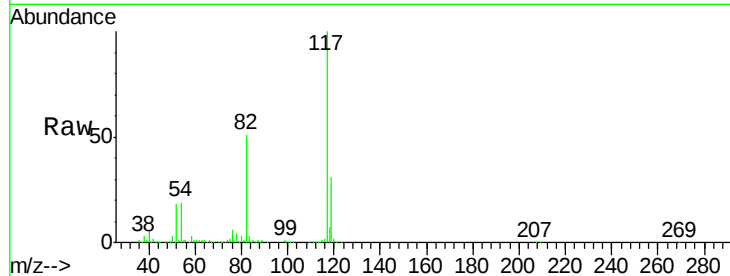
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.2	63.4
119	31.6	26.4	39.6

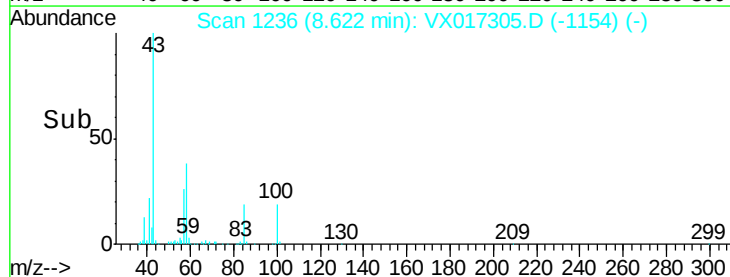
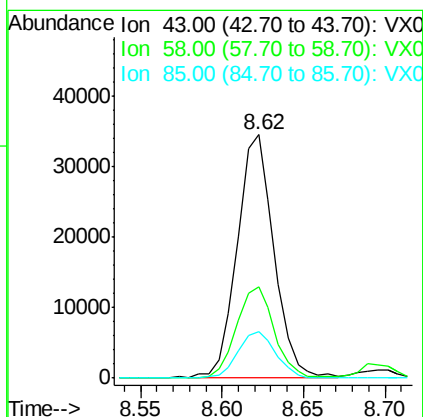
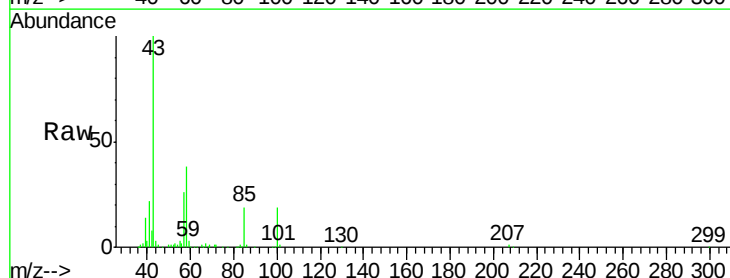
Manual Integrations
APPROVED

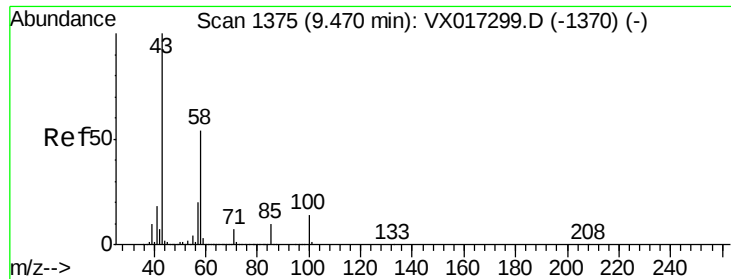
MMDadoda
7/10/2020 12:36:43 PM



#58
4-Methyl-2-Pentanone
Concen: 11.871 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	32.2	48.2
85	20.0	14.8	22.2





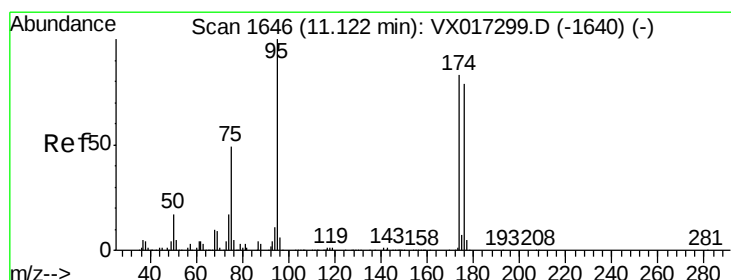
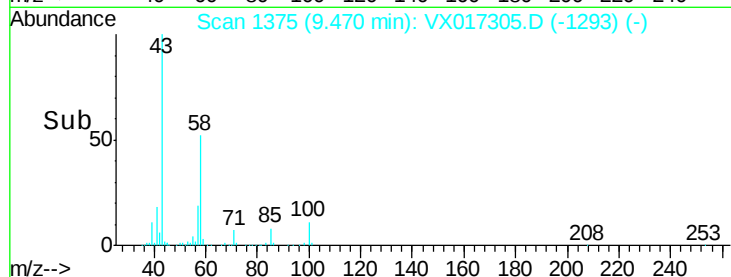
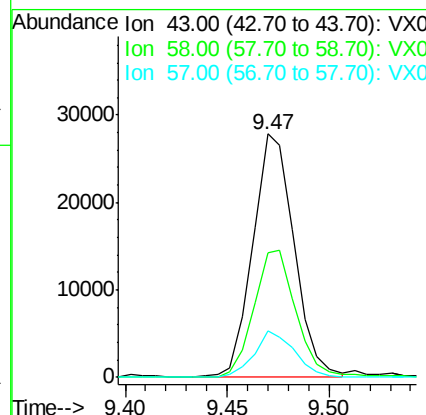
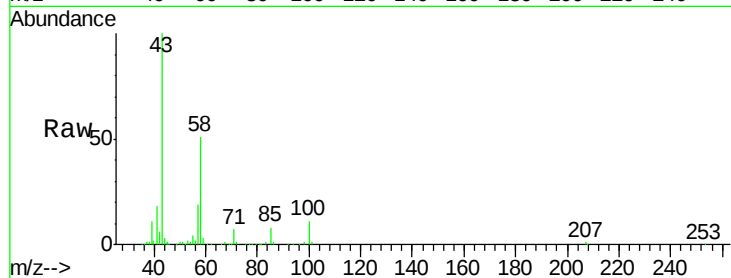
#59
2-Hexanone
Concen: 11.369 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	43.4	65.0
57	18.5	15.1	22.7

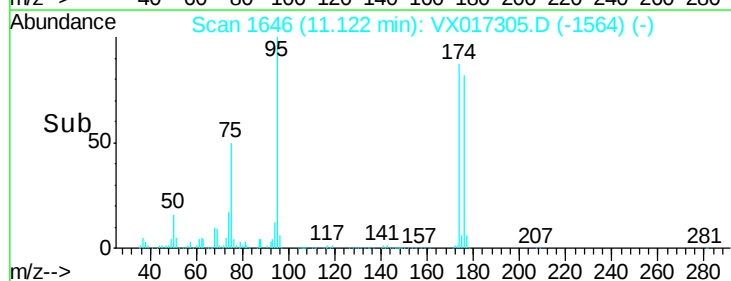
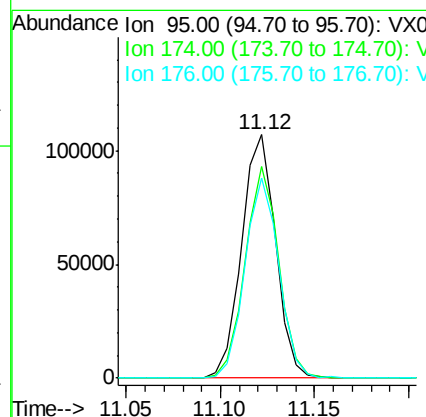
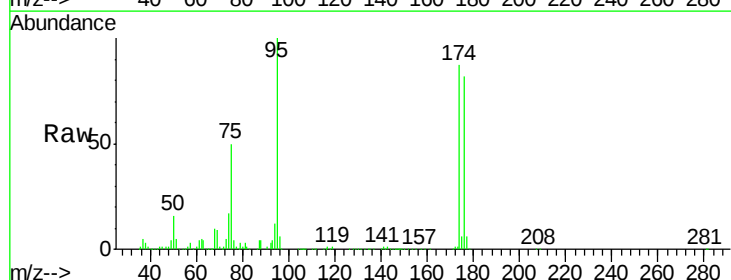
Manual Integrations
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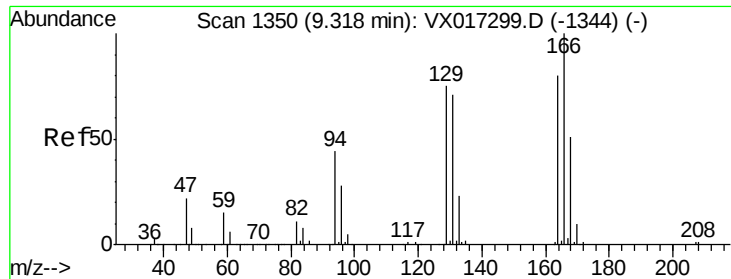
MMDadoda
7/10/2020 12:36:43 PM



#60
4-Bromofluorobenzene
Concen: 27.370 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.0	66.9	100.3
176	82.2	65.5	98.3





#61

Tetrachloroethene

Concen: 2.769 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

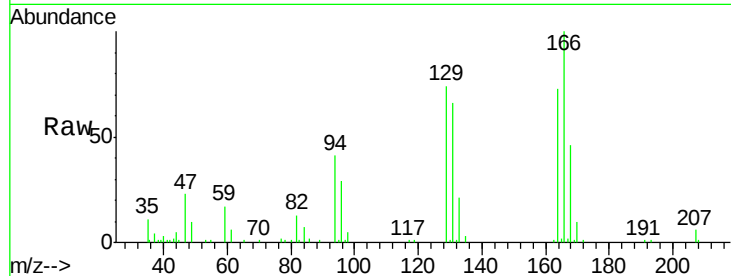
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion	164	Resp	10100
Ion	Ratio	Lower	Upper
164	100		
166	136.8	99.8	149.6
129	101.4	74.4	111.6
131	90.0	70.6	105.8

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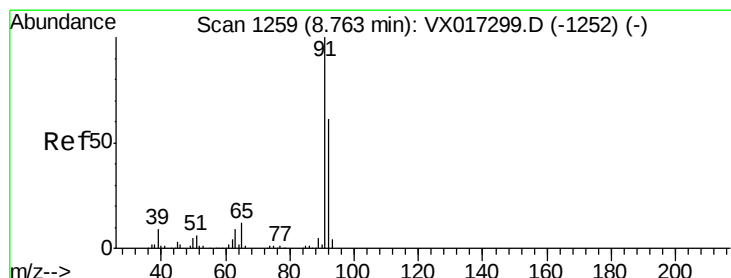
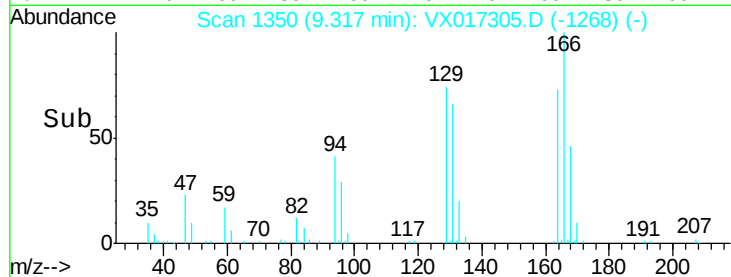
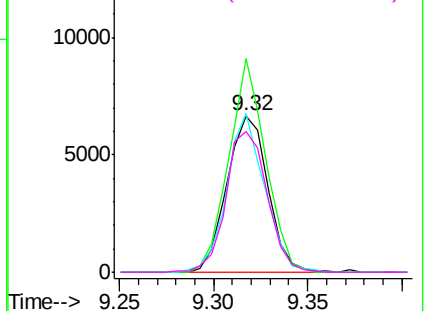


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.478 ug/l

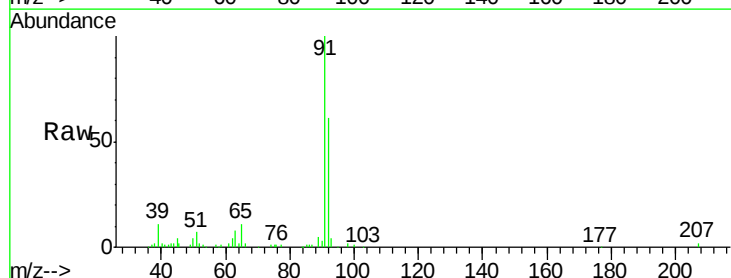
RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017305.D

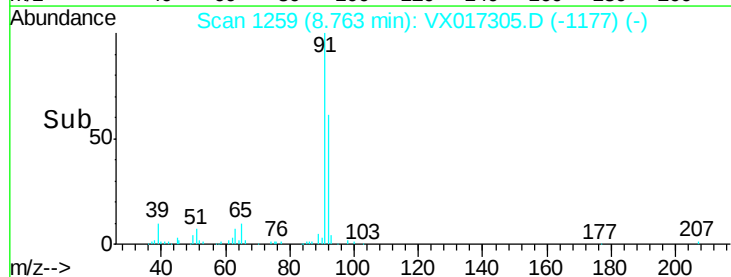
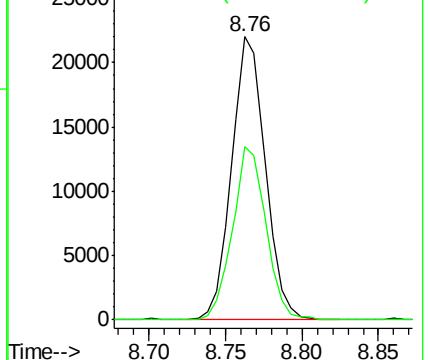
Acq: 09 Jul 2020 14:18

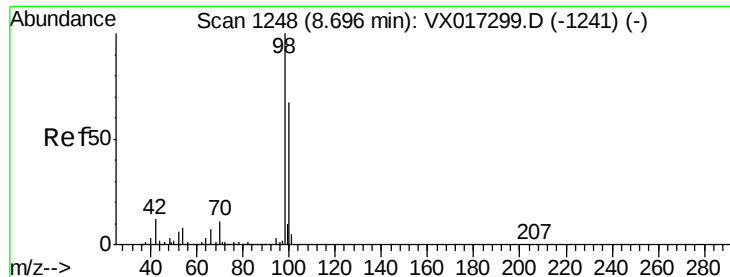
Tgt Ion	91	Resp	33583
Ion	Ratio	Lower	Upper
91	100		
92	60.7	47.2	70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.882 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 98 Resp: 361898

Ion Ratio Lower Upper

98 100

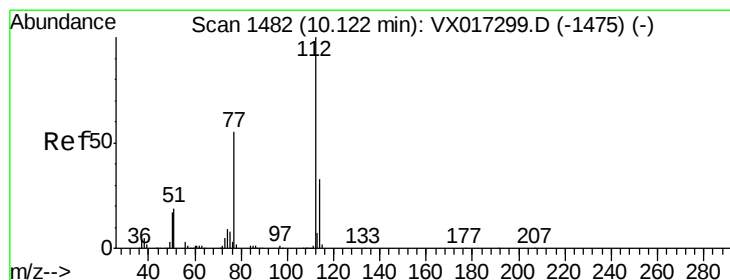
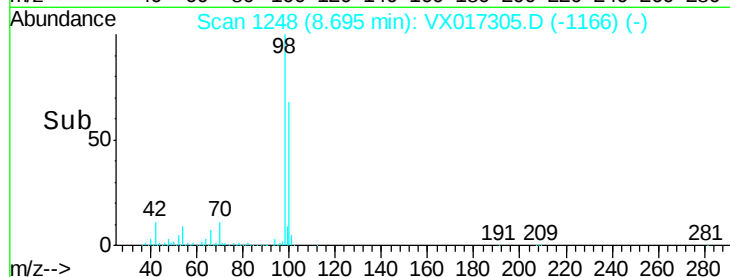
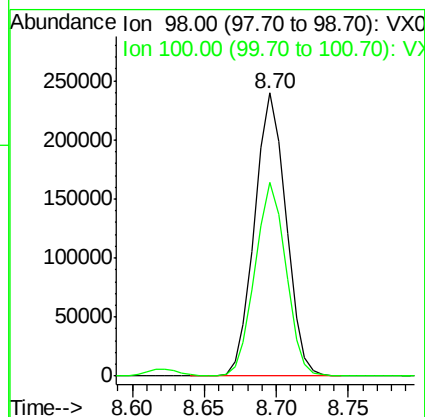
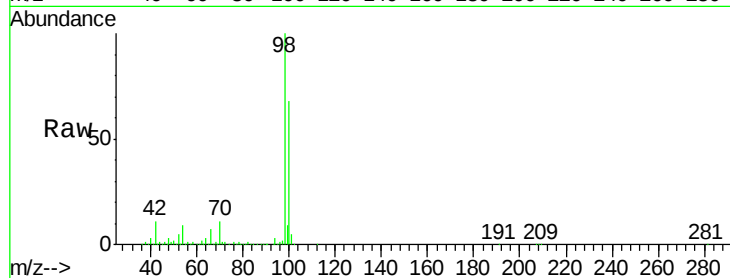
100 67.6 52.8 79.2

Manual Integrations

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#64

Chlorobenzene

Concen: 2.580 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017305.D

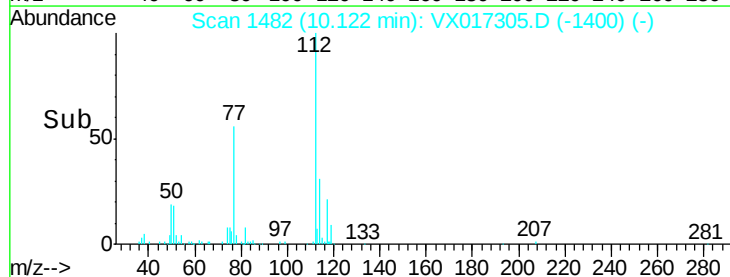
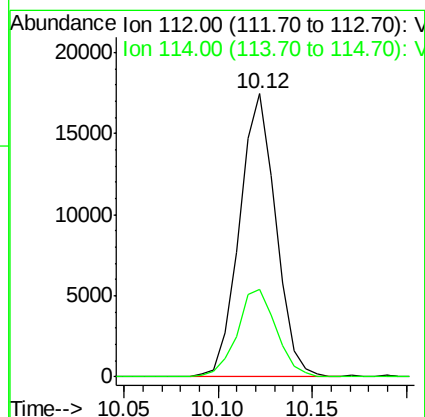
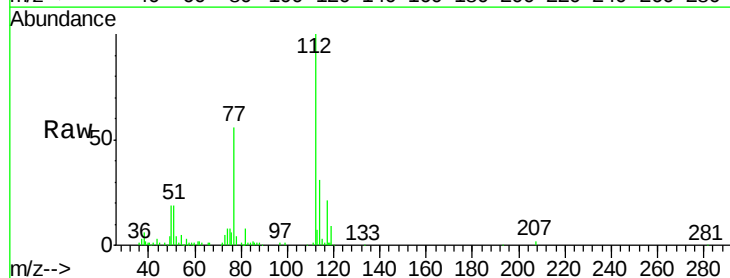
Acq: 09 Jul 2020 14:18

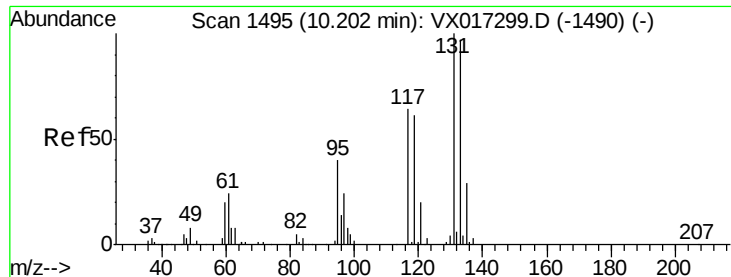
Tgt Ion: 112 Resp: 23329

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.2





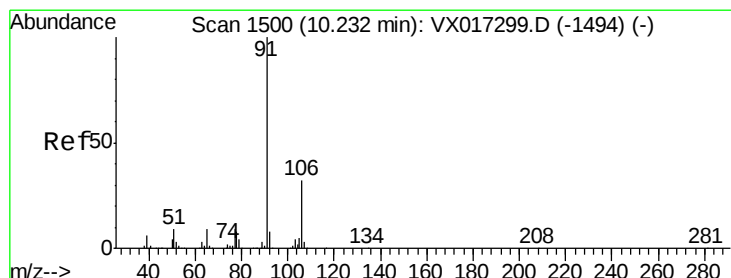
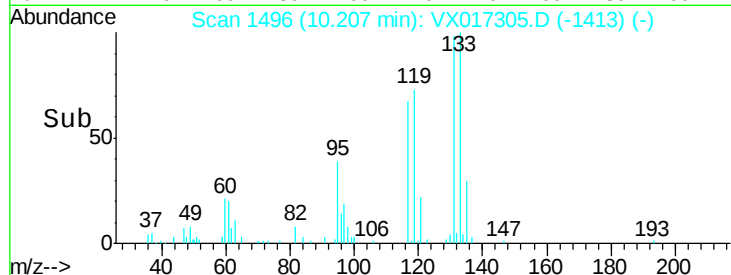
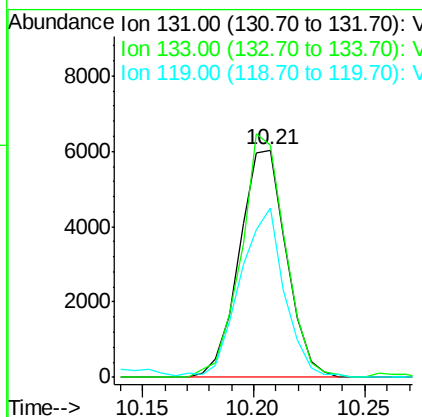
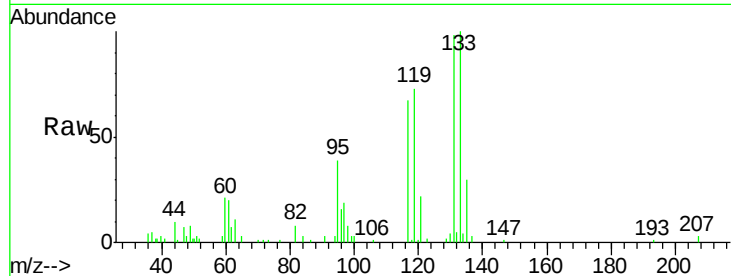
#65
 1,1,1,2-Tetrachloroethane
 Concen: 2.402 ug/l
 RT: 10.21 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	8875		
133	100.9	0.0	196.8	
119	69.7	0.0	126.0	

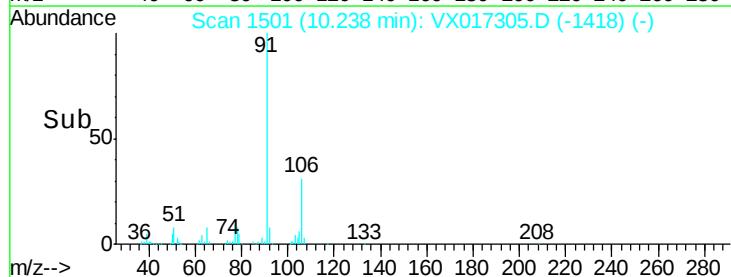
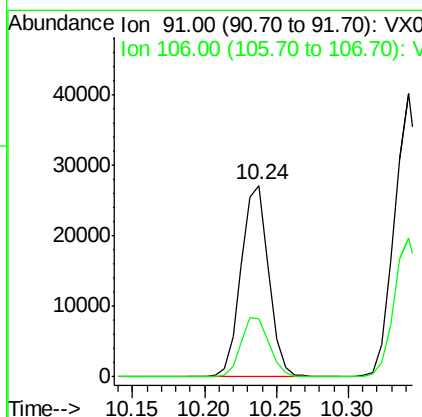
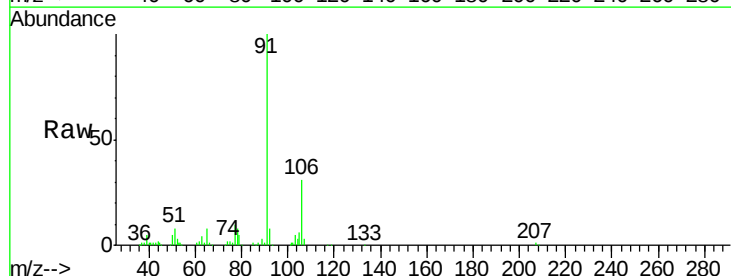
Manual Integrations
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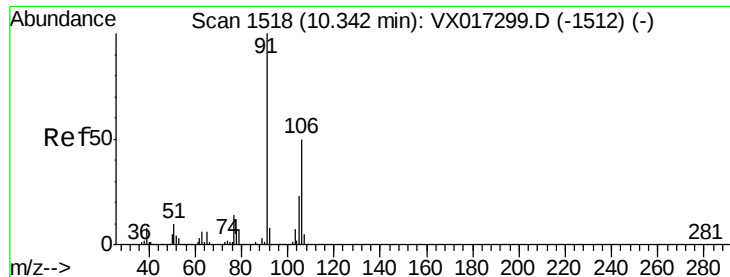
MMDadoda
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#66
 Ethyl Benzene
 Concen: 2.374 ug/l
 RT: 10.24 min Scan# 1501
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	36207		
106	30.5	25.2	37.8	





#67

m/p-Xylenes

Concen: 4.517 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 26617

Ion Ratio Lower Upper

106 100

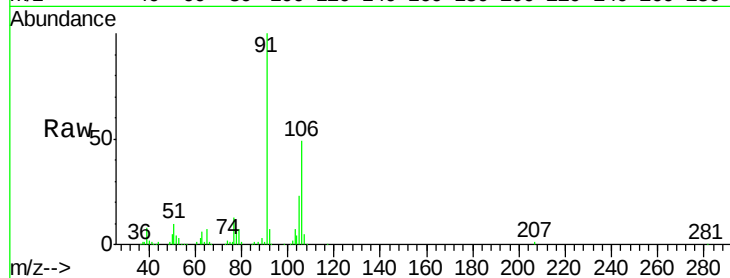
91 200.0 159.7 239.5

Manual Integrations

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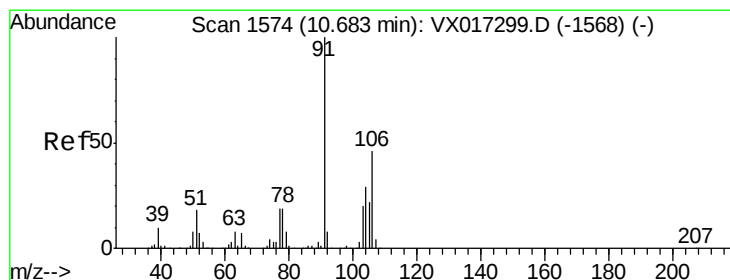
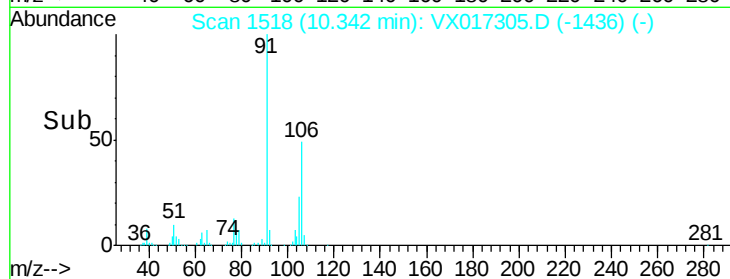
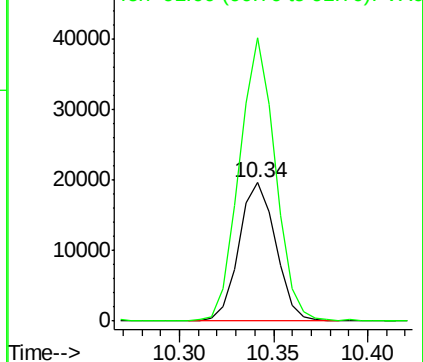
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 2.294 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017305.D

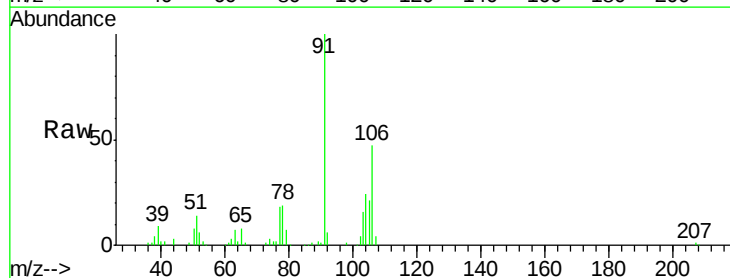
Acq: 09 Jul 2020 14:18

Tgt Ion:106 Resp: 12846

Ion Ratio Lower Upper

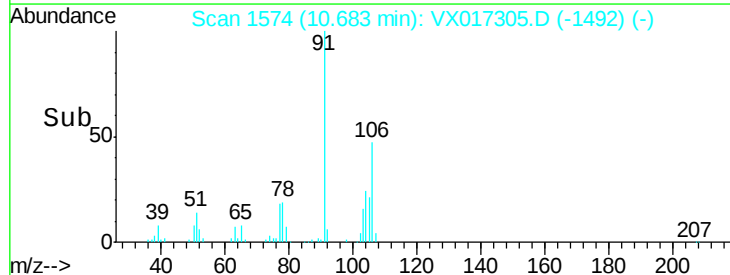
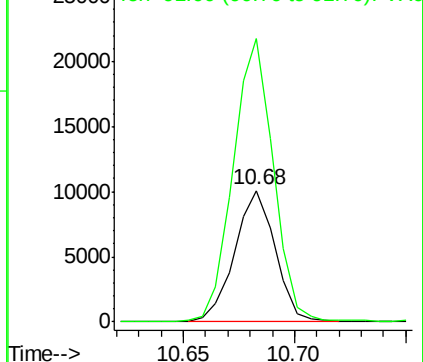
106 100

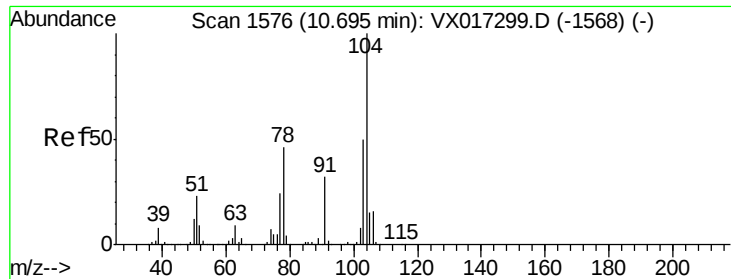
91 212.5 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





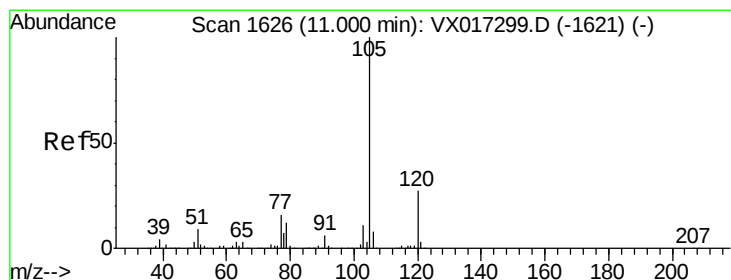
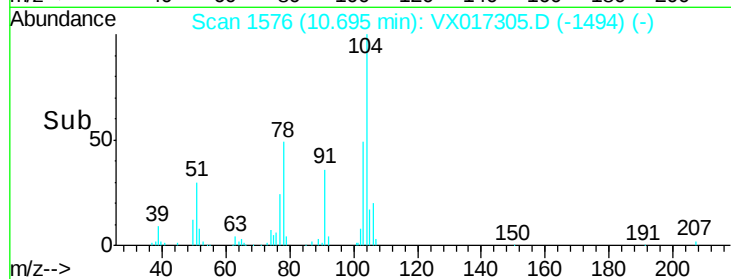
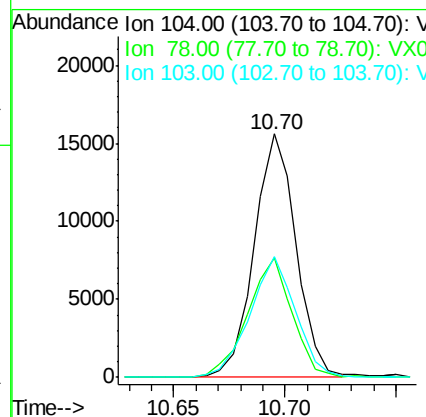
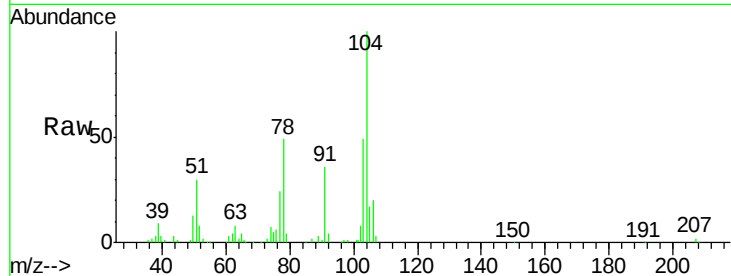
#69
Stvrene
Concen: 2.058 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	40.8	61.2
103	54.0	44.3	66.5

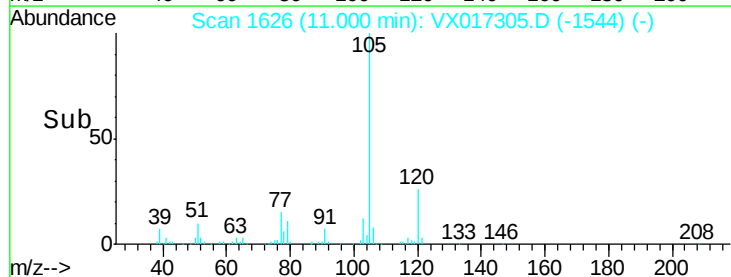
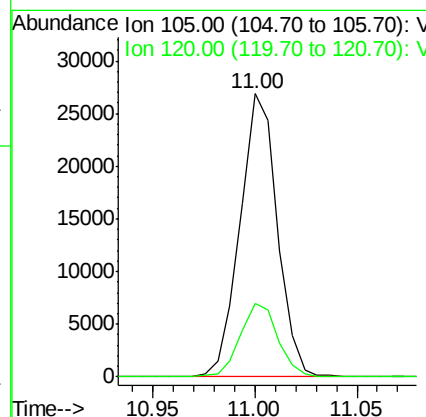
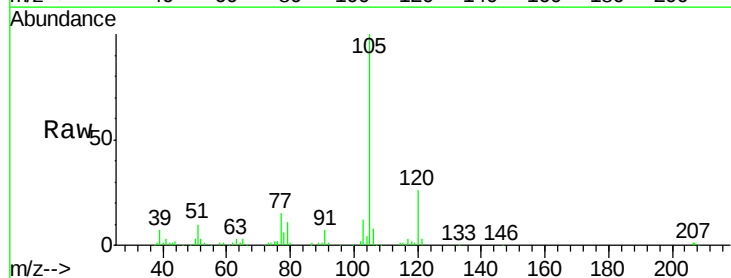
Manual Integrations
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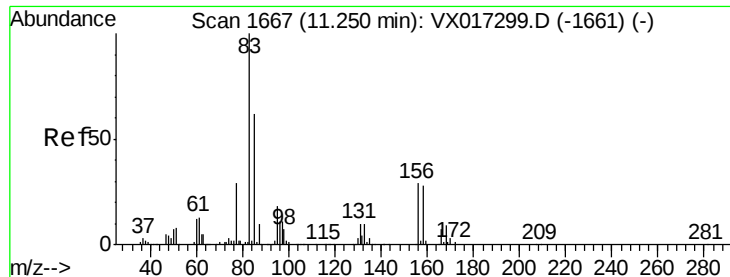
MMDadoda
7/10/2020 12:36:43 PM



#70
Isopropylbenzene
Concen: 2.214 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	19.3	35.8





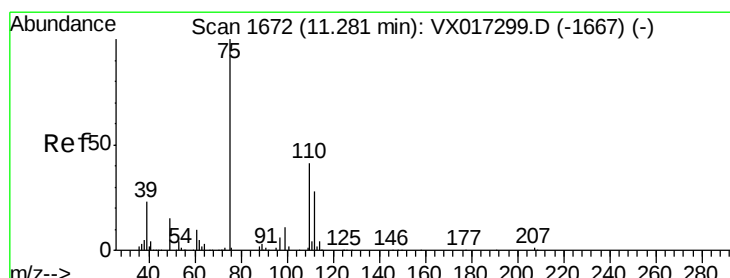
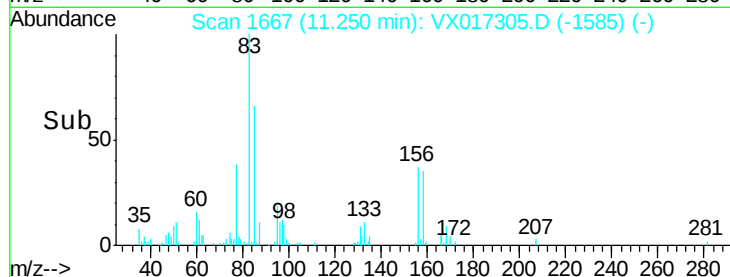
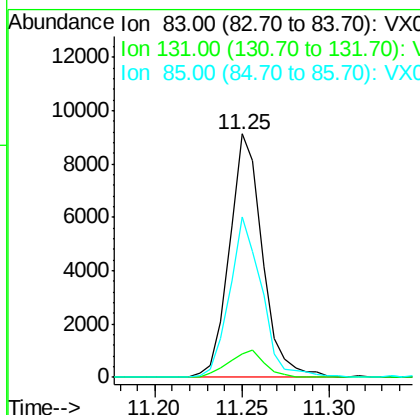
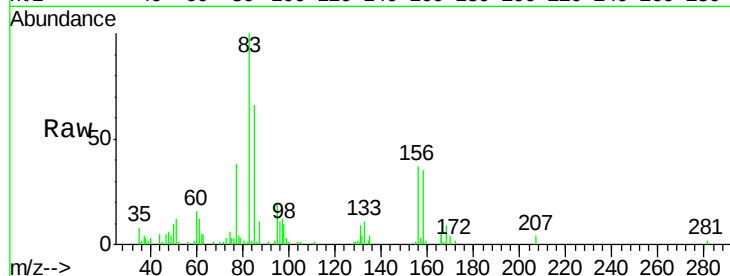
#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.483 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.5	16.5
85	63.4	31.5	94.5

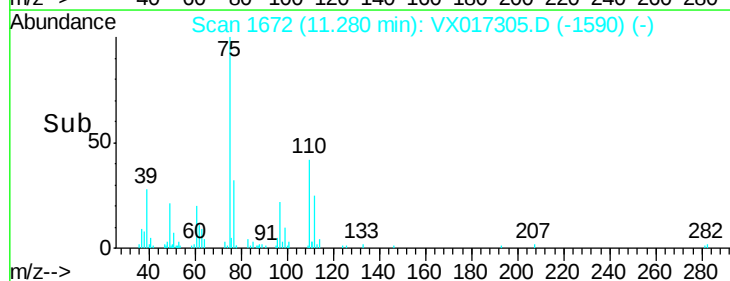
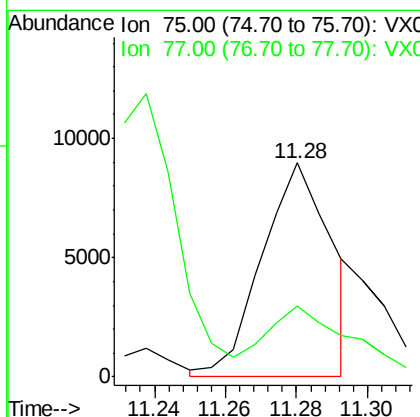
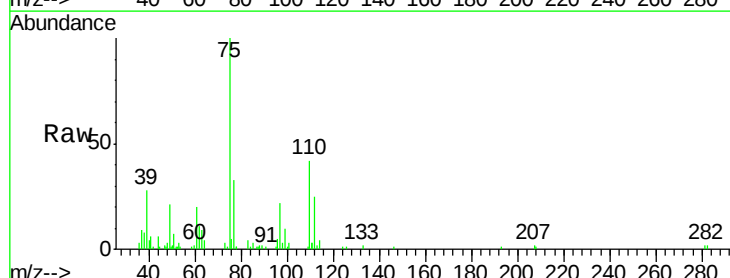
Manual Integrations
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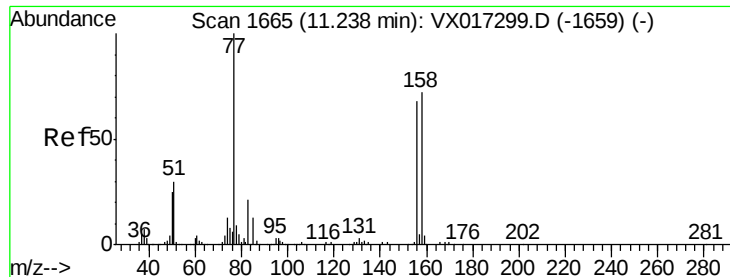
MMDadoda
 7/10/2020 12:36:43 PM



#72
 1,2,3-Trichloropropane
 Concen: 2.592 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.0	0.0	72.2





#73

Bromobenzene

Concen: 2.557 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

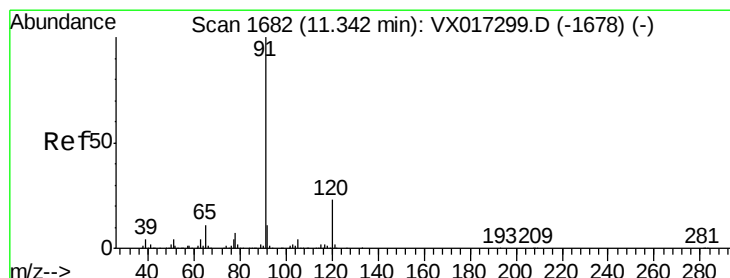
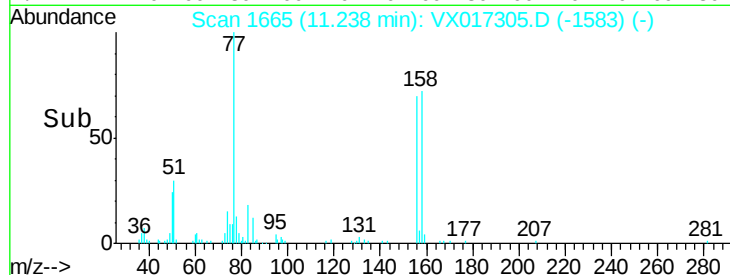
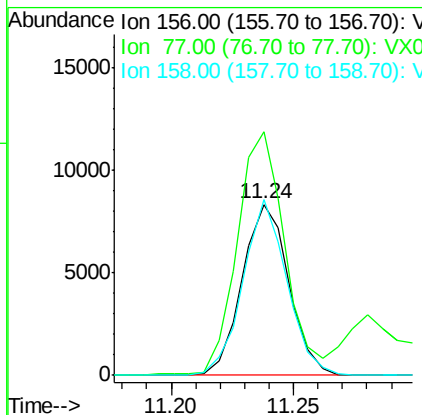
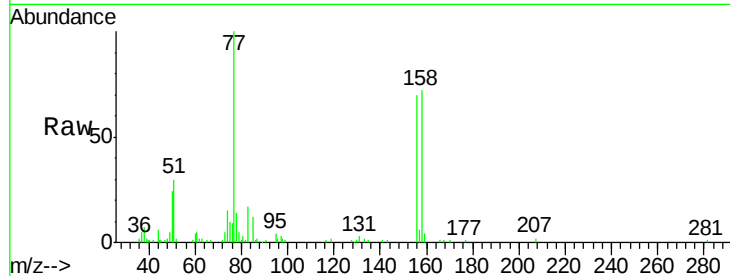
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	156	Resp:	11037
Ion Ratio	Lower	Upper	
156	100		
77	145.0	0.0	299.2
158	97.0	0.0	199.0

Manual Integrations
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#74

n-propylbenzene

Concen: 2.176 ug/l

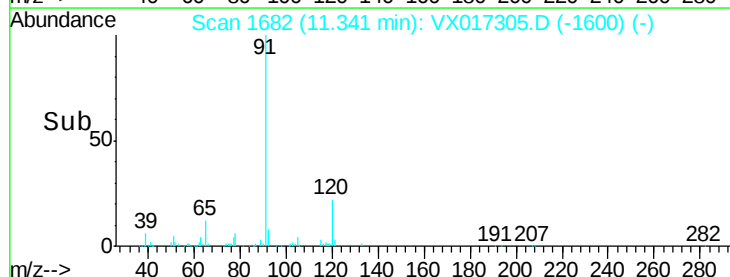
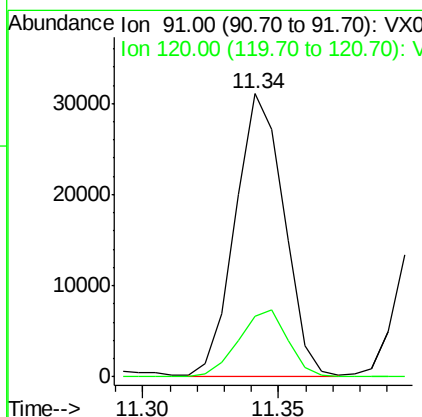
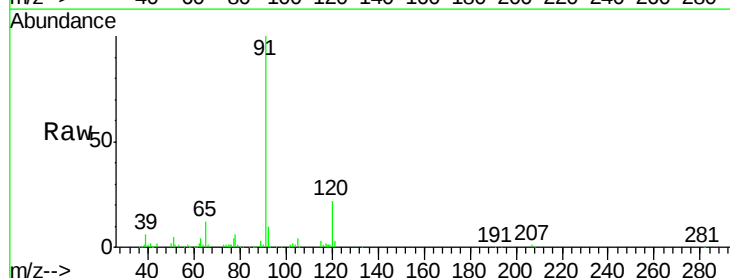
RT: 11.34 min Scan# 1682

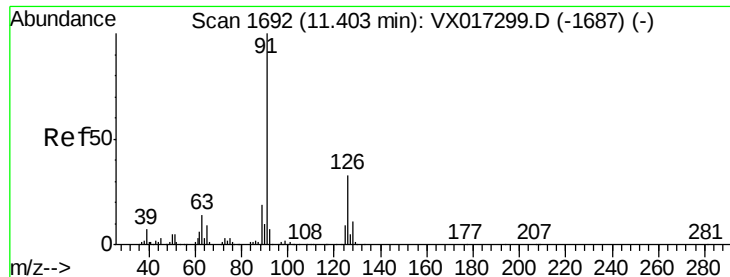
Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Tgt Ion:	91	Resp:	38713
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	48.4





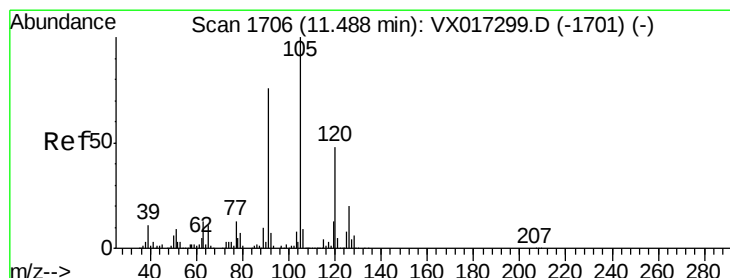
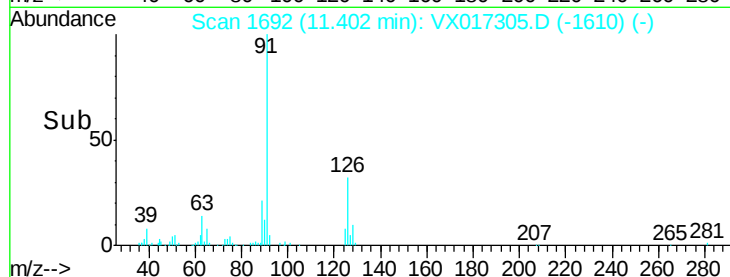
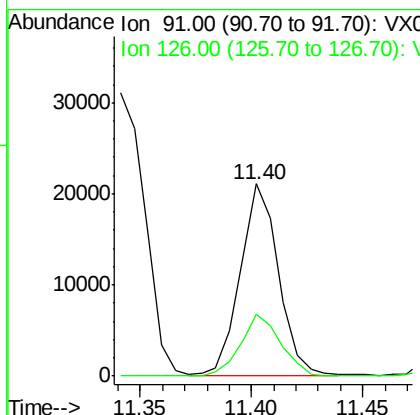
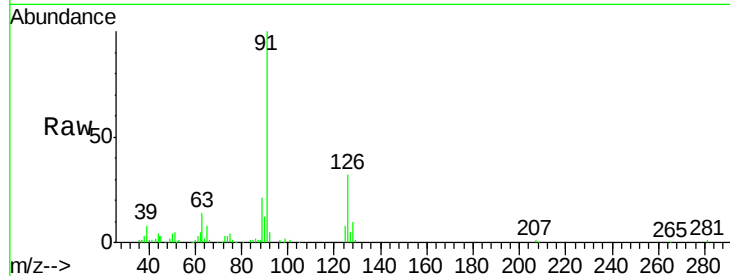
#75
2-Chlorotoluene
Concen: 2.355 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	68.4

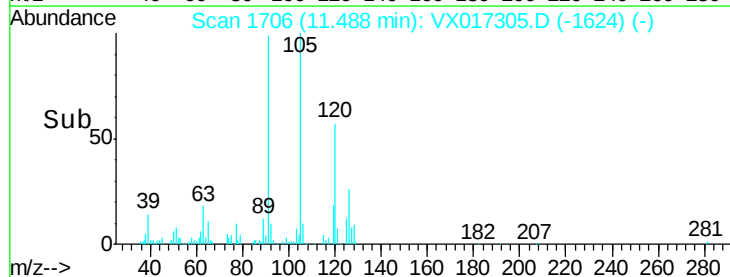
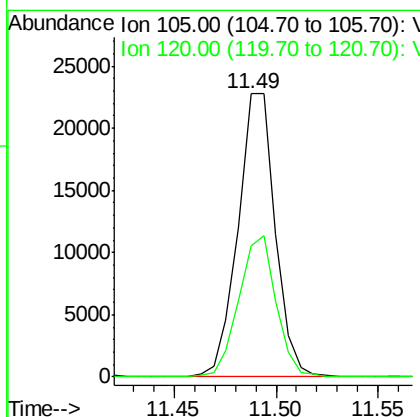
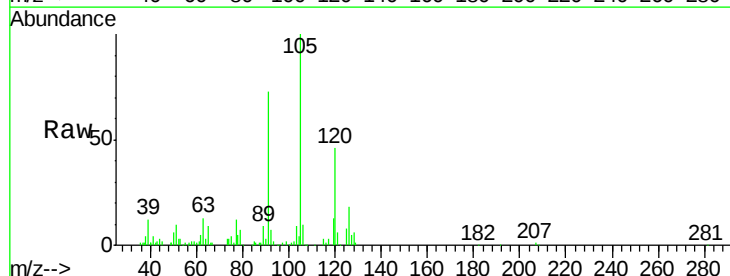
Manual Integrations
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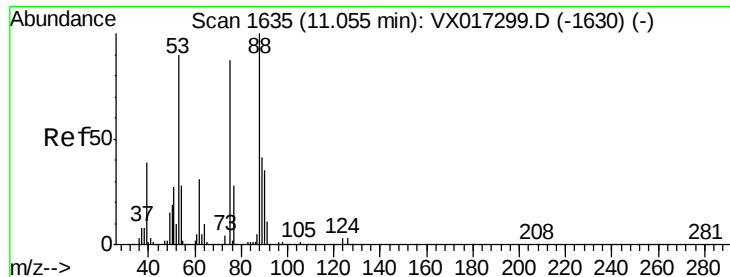
MMDadoda
7/10/2020 12:36:43 PM



#76
1,3,5-Trimethylbenzene
Concen: 2.192 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.9	0.0	98.8





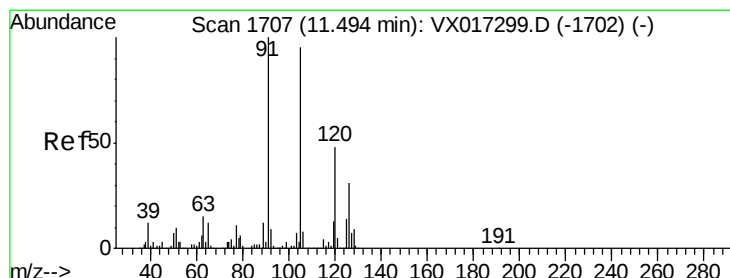
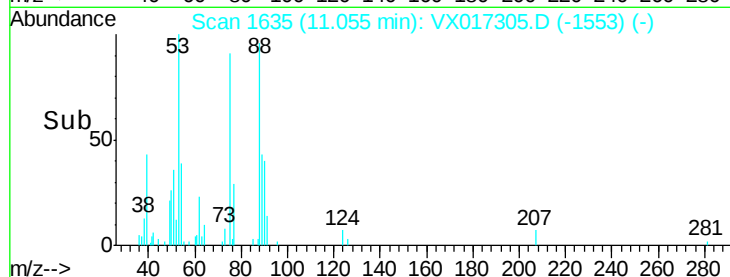
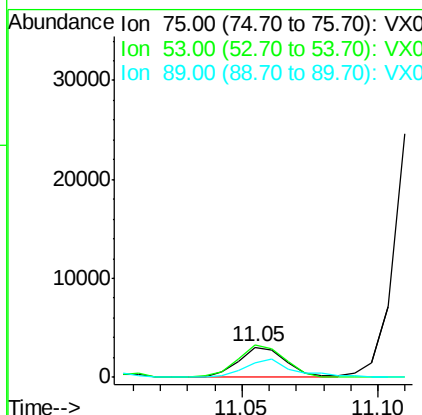
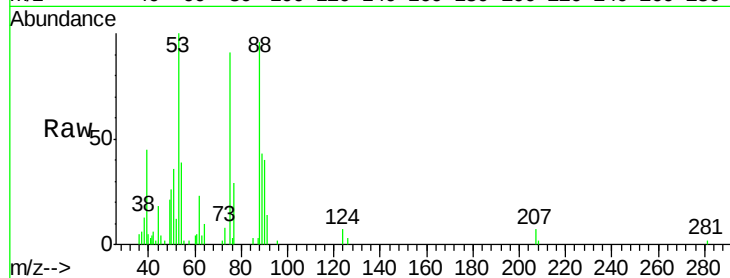
#77
t-1,4-Dichloro-2-butene
Concen: 2.078 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.4	52.1	156.3
89	47.8	23.7	71.1

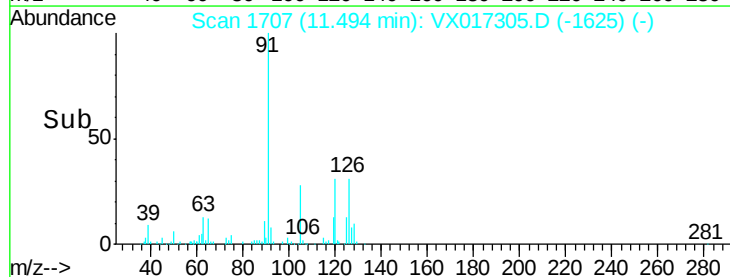
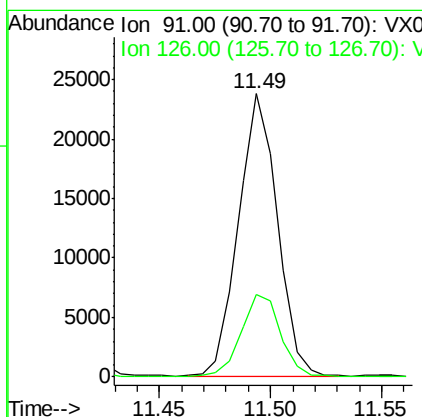
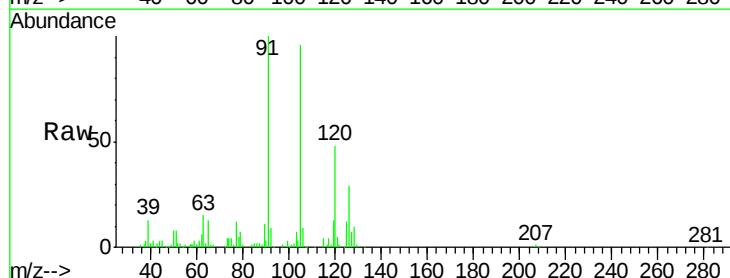
Manual Integrations
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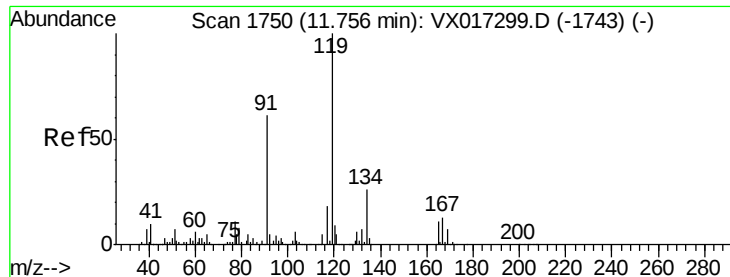
MMDadoda
7/10/2020 12:36:43 PM



#78
4-Chlorotoluene
Concen: 2.267 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	0.0	61.2





#79

tert-butylbenzene

Concen: 2.145 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

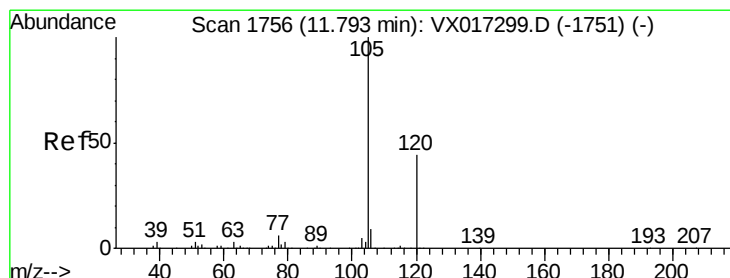
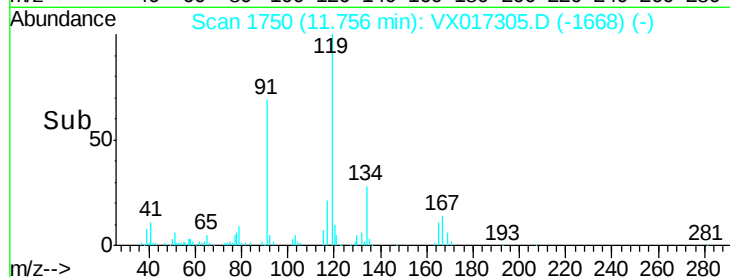
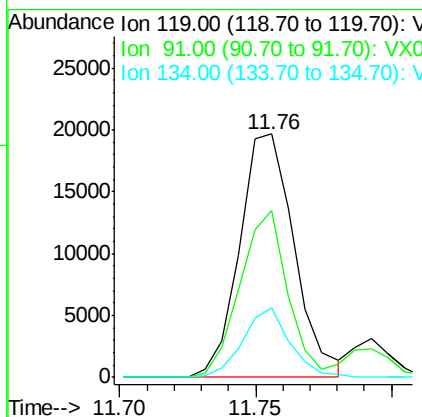
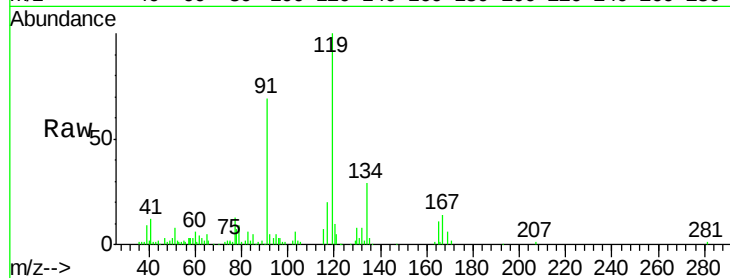
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	119	Resp:	27434
Ion Ratio	Lower	Upper	
119	100		
91	59.2	0.0	113.6
134	24.6	0.0	48.0

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 2.127 ug/l

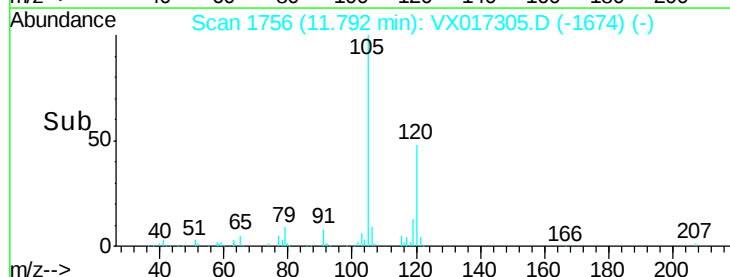
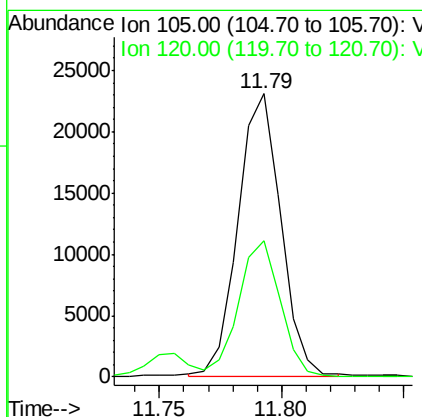
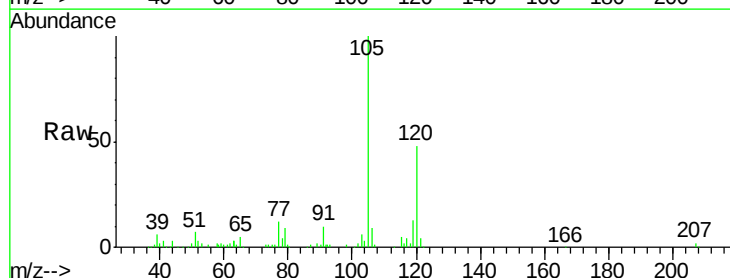
RT: 11.79 min Scan# 1756

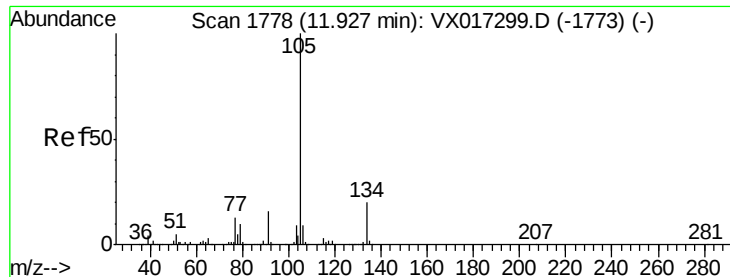
Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Tgt Ion:	105	Resp:	28275
Ion Ratio	Lower	Upper	
105	100		
120	46.7	0.0	93.6





#81

sec-Butylbenzene

Concen: 2.161 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 31849

Ion Ratio Lower Upper

105 100

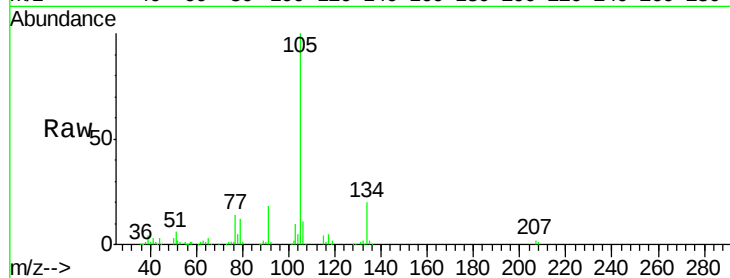
134 20.1 0.0 41.8

Manual Integrations

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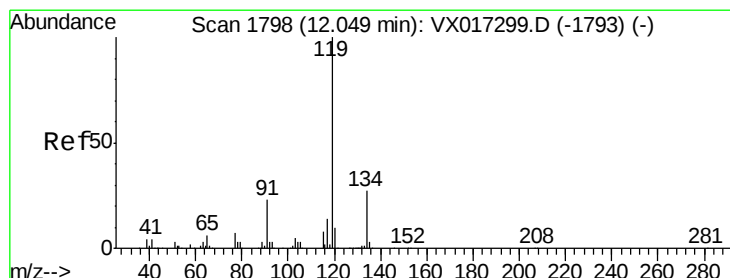
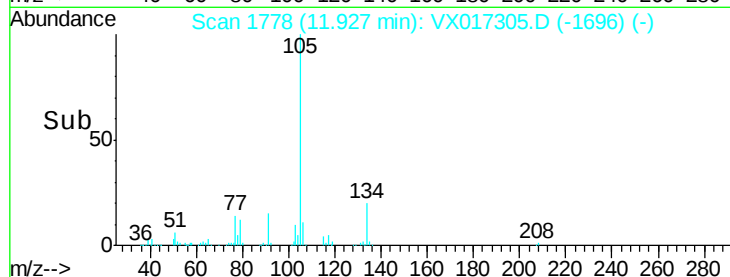
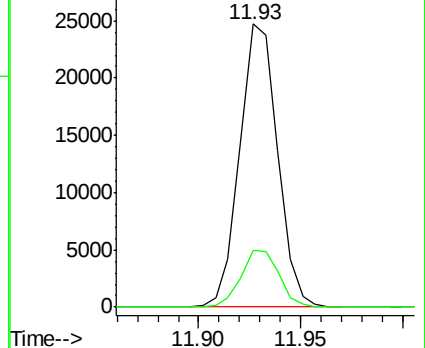
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 2.083 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017305.D

Acq: 09 Jul 2020 14:18

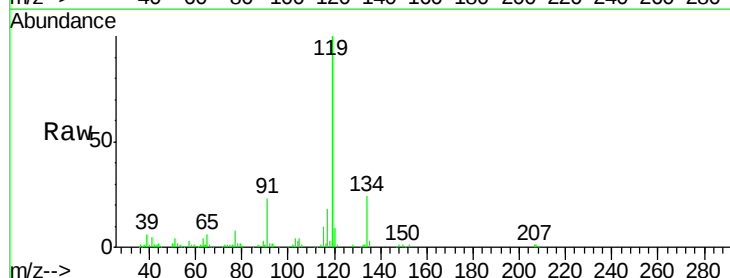
Tgt Ion:119 Resp: 29034

Ion Ratio Lower Upper

119 100

134 25.2 0.0 53.6

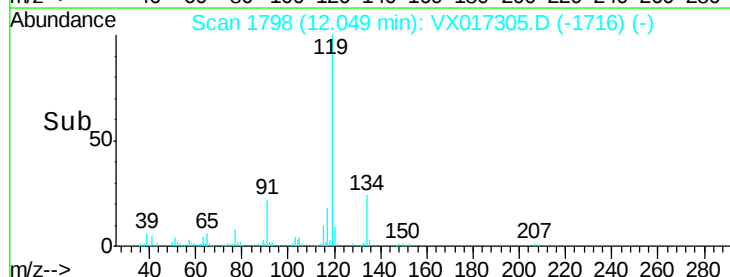
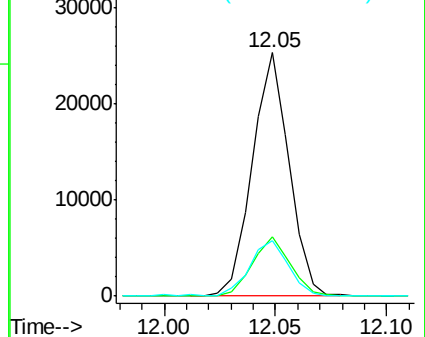
91 24.3 0.0 48.0

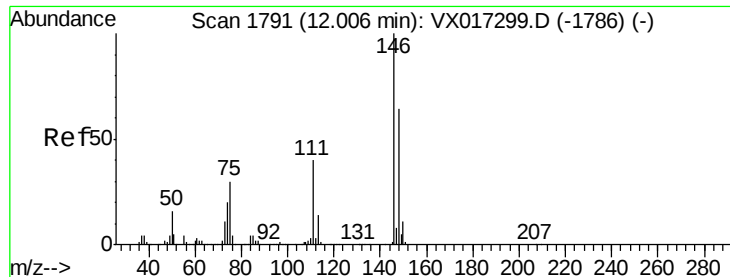


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





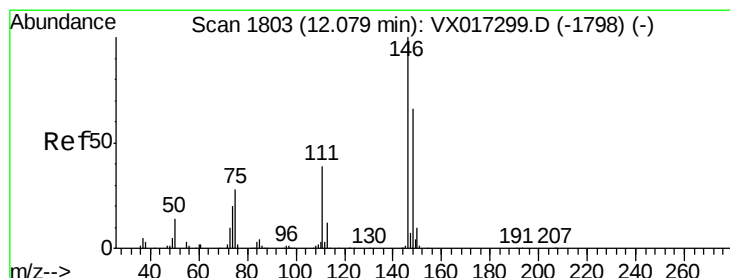
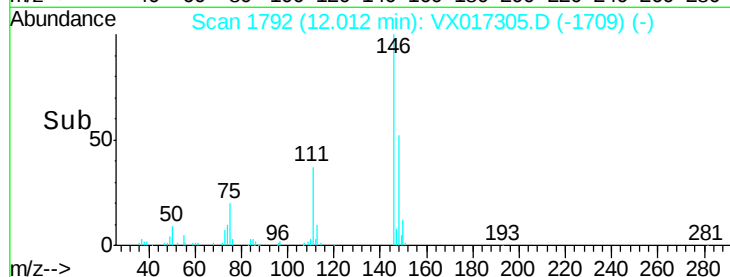
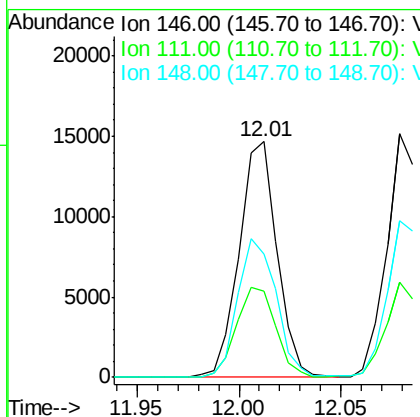
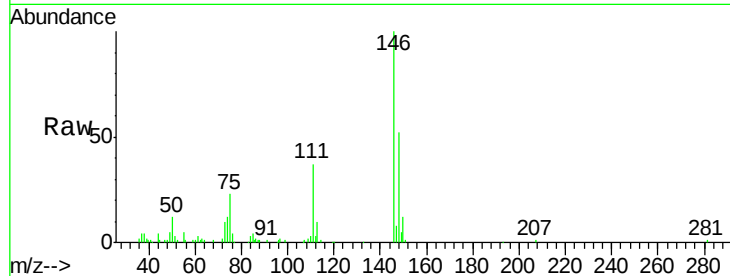
#83
 1,3-Dichlorobenzene
 Concen: 2.433 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	59.6	31.8	95.3

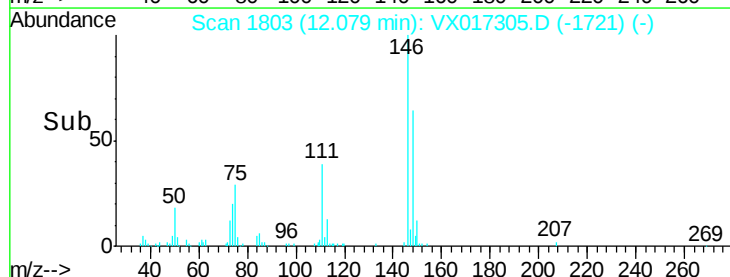
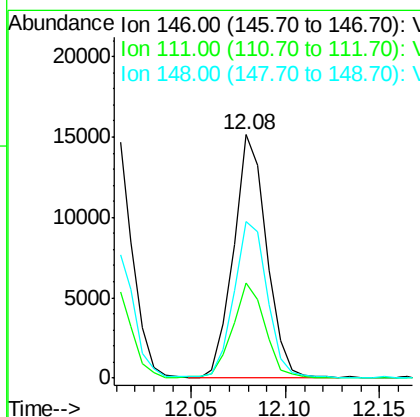
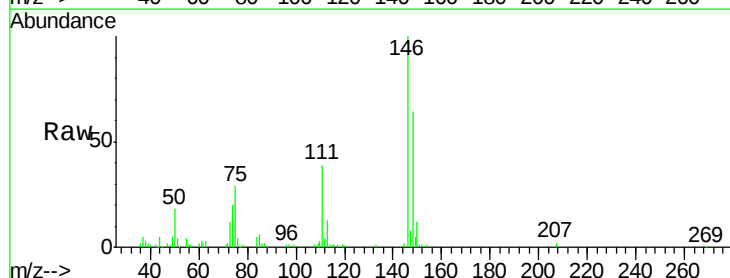
Manual Integrations
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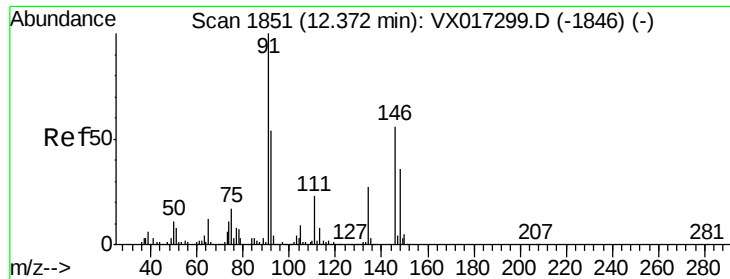
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 2.354 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	64.6	32.6	97.8





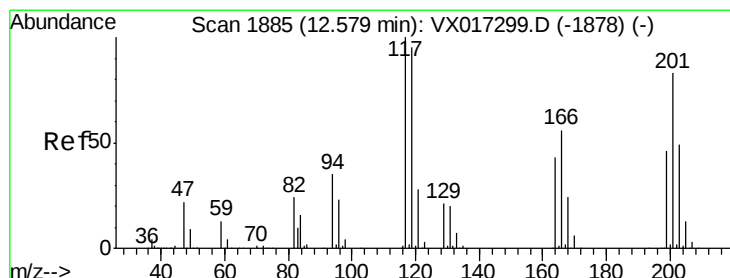
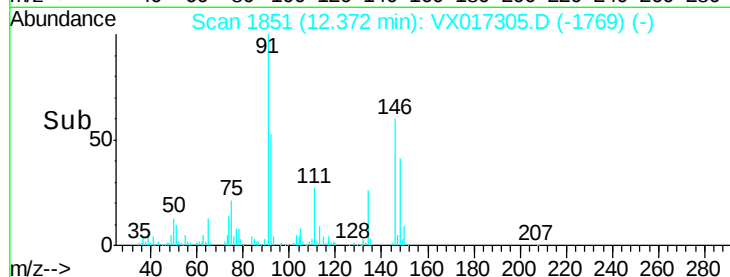
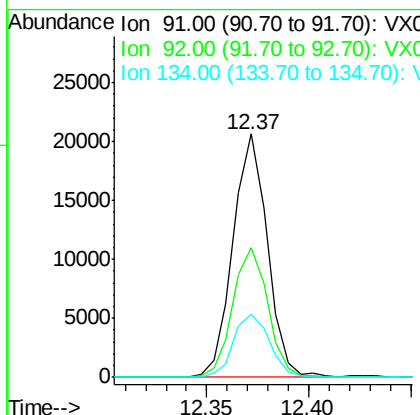
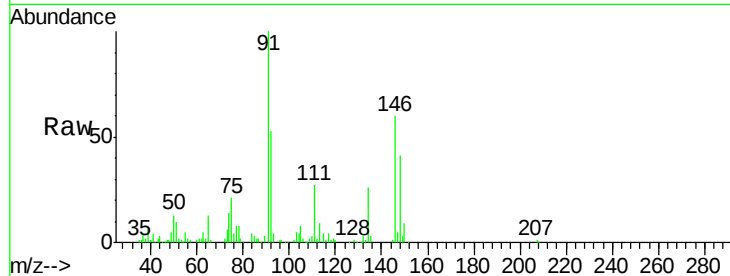
#85
n-Butylbenzene
Concen: 2.054 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	24185		
92	54.1		0.0	108.2
134	27.1		0.0	54.2

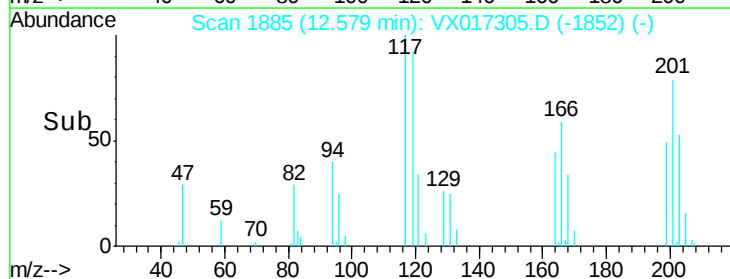
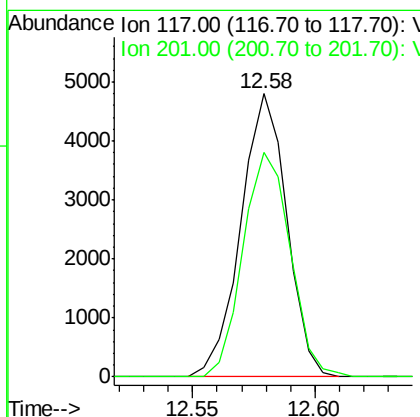
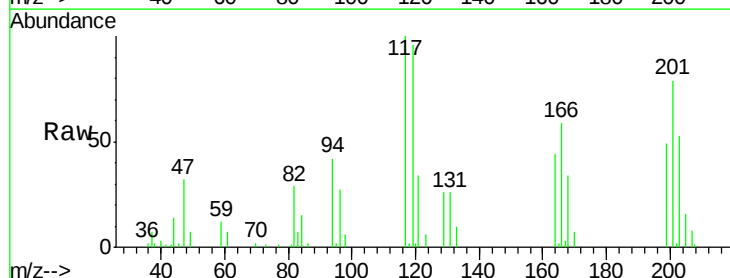
Manual Integrations
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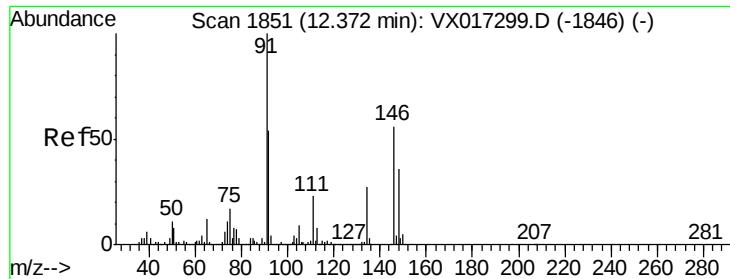
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#86
Hexachloroethane
Concen: 2.327 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6273		
201	81.3		41.0	123.0





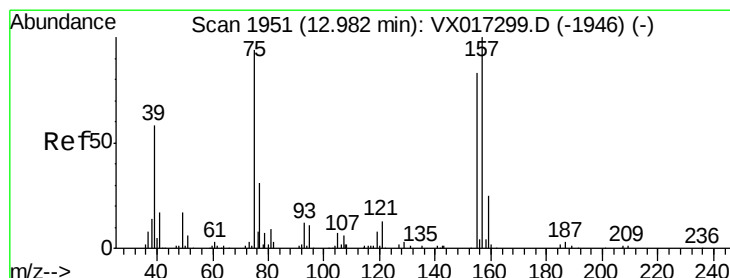
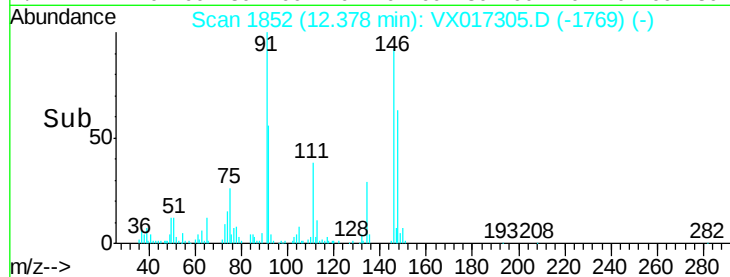
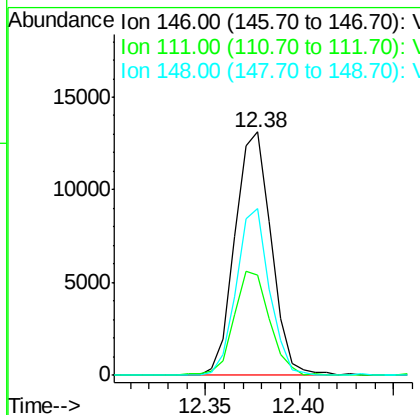
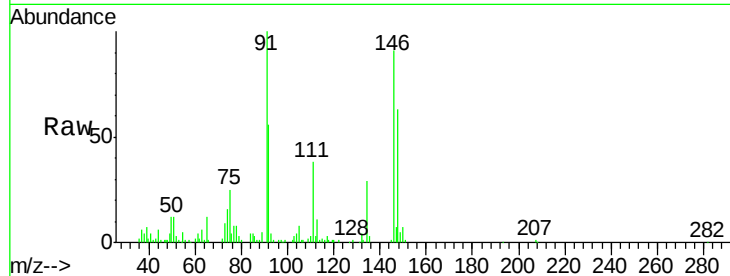
#87
 1,2-Dichlorobenzene
 Concen: 2.367 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	62.5	31.6	94.8

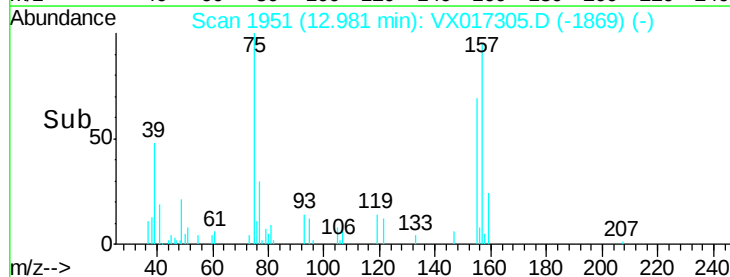
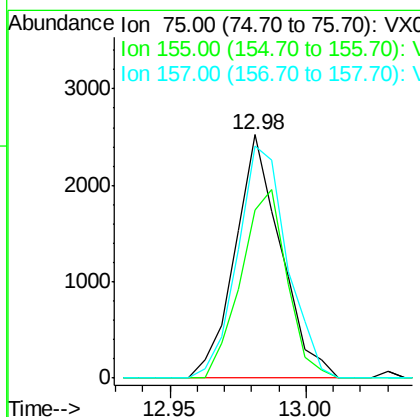
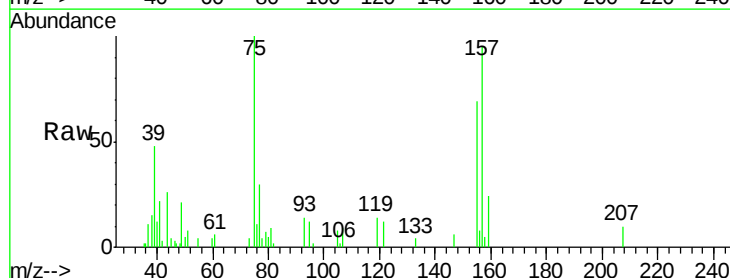
Manual Integrations
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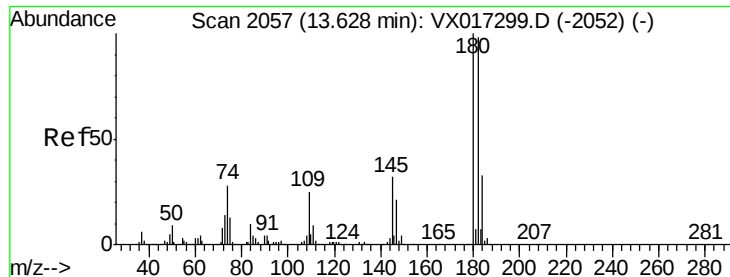
MMDadoda
 7/10/2020 12:36:43 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.525 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	73.4	110.0
157	103.2	90.5	135.7





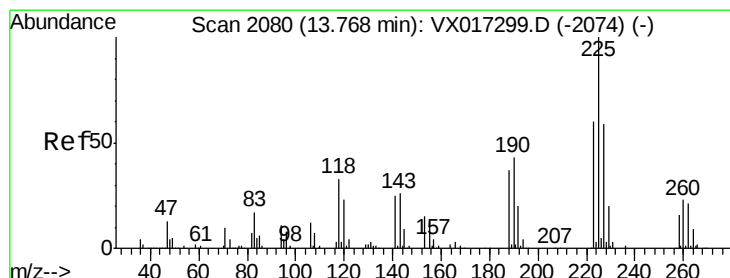
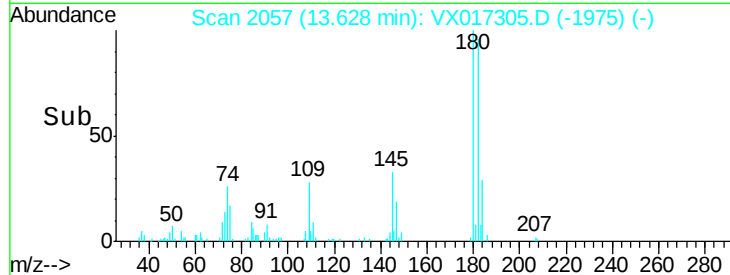
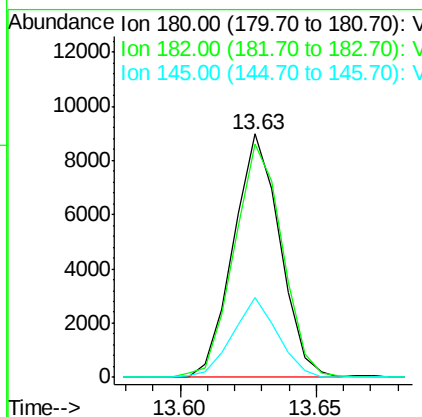
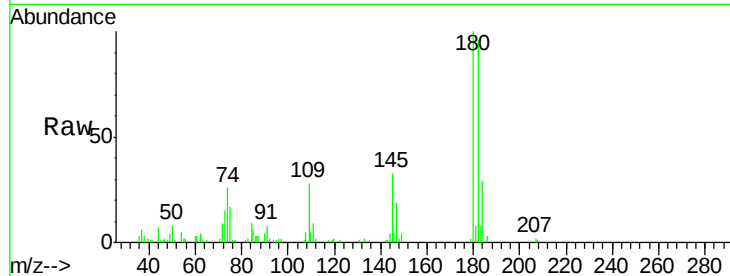
#89
 1,2,4-Trichlorobenzene
 Concen: 2.114 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	77.8	116.8
145	31.8	25.0	37.4

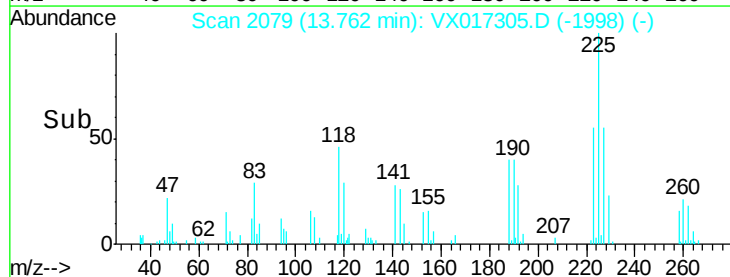
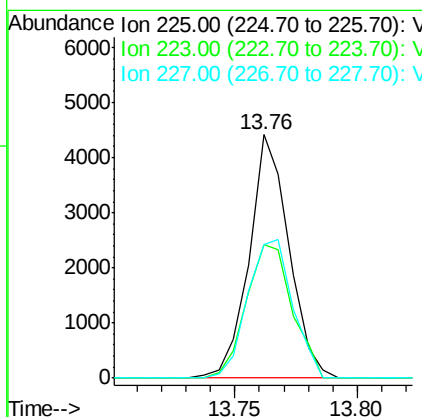
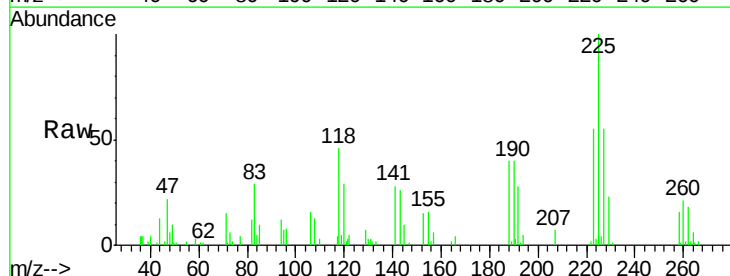
Manual Integrations
 APPROVED

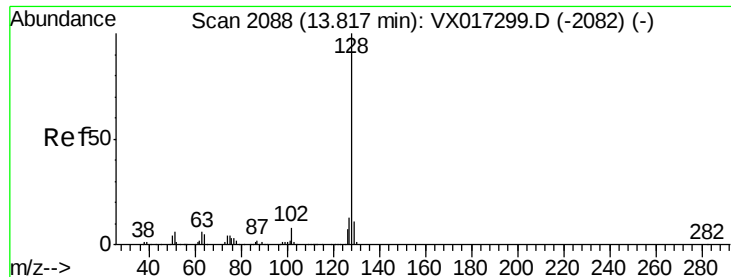
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 2.465 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017305.D
 Acq: 09 Jul 2020 14:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	129.0
227	64.7	0.0	124.4





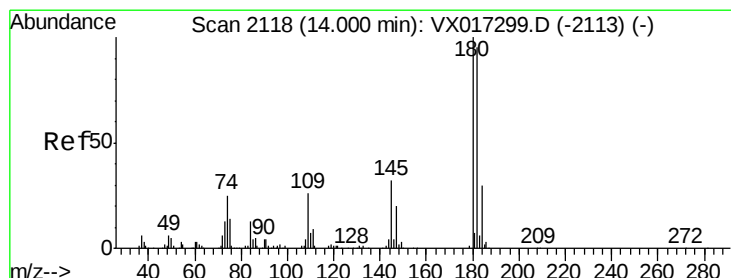
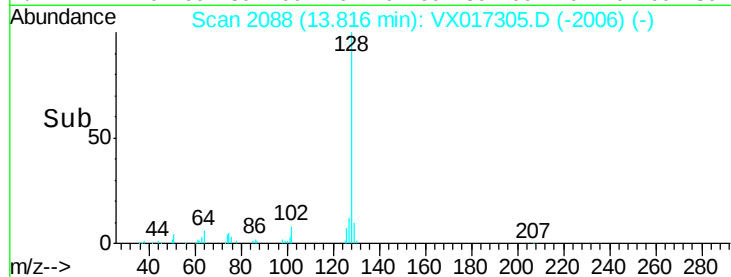
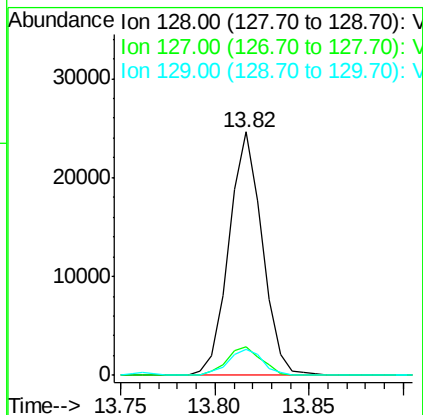
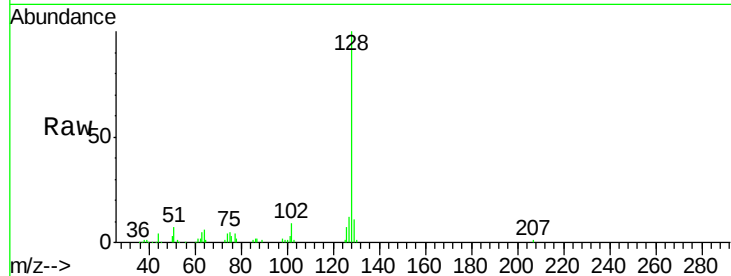
#91
Naphthalene
Concen: 1.950 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:	128	Resp:	30117
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.3	15.5
129	11.3	9.0	13.4

Manual Integrations
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7/10/2020 12:36:43 PM



#92
1,2,3-Trichlorobenzene
Concen: 2.232 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017305.D
Acq: 09 Jul 2020 14:18

Tgt Ion:	180	Resp:	11184
Ion Ratio	Lower	Upper	
180	100		
182	91.1	0.0	185.6
145	32.8	0.0	63.0

