

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017306.D
 Acq On : 09 Jul 2020 14:40
 Operator : JC/SP
 Sample : L3216-07 5.0PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:45 PM

Quant Time: Jul 10 07:01:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 10 06:55:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	55257	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	281511	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	269406	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	118739	29.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.67%
60) 4-Bromofluorobenzene	11.12	95	128438	27.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.17%
63) Toluene-d8	8.70	98	341136	29.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	13015	5.388	ug/l 99
3) Chloromethane	1.32	50	13019	5.059	ug/l 97
4) Vinyl Chloride	1.39	62	13301	5.016	ug/l 93
5) Bromomethane	1.63	94	9332	5.280	ug/l 91
6) Chloroethane	1.72	64	8406	4.794	ug/l 98
7) Trichlorofluoromethane	1.92	101	23454	4.979	ug/l 89
8) Diethyl Ether	2.17	74	8653	5.178	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	14312	5.557	ug/l 97
10) 1,1-Dichloroethene	2.36	96	13175	5.189	ug/l 97
11) Methyl Iodide	2.50	142	9686	3.239	ug/l 97
12) Methyl Acetate	2.75	43	17368	4.909	ug/l 95
13) Acrolein	2.28	56	10260	22.424	ug/l 95
14) Acrylonitrile	3.12	53	40118	25.131	ug/l 99
15) Acetone	2.42	58	10450	25.956	ug/l 90
16) Carbon Disulfide	2.55	76	29547	4.290	ug/l 99
17) Allyl chloride	2.71	41	22684	4.802	ug/l 92
18) Methylene Chloride	2.84	84	16683	5.334	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	14529	4.894	ug/l 93
20) Diisopropyl ether	3.82	45	47362	5.015	ug/l 92
21) 1,1-Dichloroethane	3.67	63	26827	5.068	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	17342	5.120	ug/l 100
23) tert-Butyl Alcohol	3.01	59	16949	25.730	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	47445	4.894	ug/l 99
25) Chloroform	5.18	83	29691	5.264	ug/l 96
26) Cyclohexane	5.54	56	19298	4.679	ug/l # 99
29) 1,1-Dichloropropene	5.78	75	18883	4.864	ug/l 98
30) 2-Butanone	4.64	43	54268	25.557	ug/l 99
31) 2,2-Dichloropropane	4.54	77	24618	5.062	ug/l # 87
32) 1,1,1-Trichloroethane	5.47	97	26909	5.324	ug/l 96
33) Carbon Tetrachloride	5.76	117	23484	5.039	ug/l 99
34) Benzene	6.12	78	57502	4.978	ug/l 100
35) Methacrylonitrile	5.01	41	12091	5.086	ug/l 94
36) 1,2-Dichloroethane	6.17	62	23782	5.228	ug/l 99
37) Trichloroethene	7.18	130	17056	4.909	ug/l 97
38) Methylcyclohexane	7.44	83	19688	4.813	ug/l 100
39) 1,2-Dichloropropane	7.49	63	15214	5.041	ug/l 98
40) Dibromomethane	7.63	93	11127	5.117	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 10 06:55:37 2020
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.87	83	23824	5.250	ug/l	91
42) Vinyl Acetate	3.79	43	195054	24.037	ug/l	100
43) Ethyl Acetate	4.79	43	21717	5.200	ug/l #	84
44) Isopropyl Acetate	6.41	43	33594	4.834	ug/l	98
45) 1,4-Dioxane	7.71	88	6384	96.377	ug/l	97
46) Methyl methacrylate	7.74	41	15633	4.618	ug/l	97
47) n-amyl Acetate	10.88	43	26507	4.308	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	23579	4.707	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	25639	4.891	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	16386	5.087	ug/l	96
51) Ethyl methacrylate	9.16	69	20609	4.391	ug/l	88
52) 1,3-Dichloropropane	9.35	76	26666	5.082	ug/l	98
53) Dibromochloromethane	9.57	129	19633	4.993	ug/l	98
54) 1,2-Dibromoethane	9.65	107	17181	4.988	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	58405	26.748	ug/l	98
56) Bromoform	10.84	173	14237	4.641	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	106129	24.862	ug/l	100
59) 2-Hexanone	9.48	43	77978	23.963	ug/l	99
61) Tetrachloroethene	9.32	164	18327	5.340	ug/l	94
62) Toluene	8.76	91	65191	5.111	ug/l	99
64) Chlorobenzene	10.12	112	42734	5.022	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.20	131	17470	5.025	ug/l	98
66) Ethyl Benzene	10.24	91	68367	4.763	ug/l	100
67) m/p-Xylenes	10.34	106	53099	9.577	ug/l	99
68) o-Xylene	10.68	106	25507	4.841	ug/l	94
69) Styrene	10.70	104	40581	4.343	ug/l	99
70) Isopropylbenzene	11.00	105	67719	4.685	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	23826	5.256	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	19712m	4.427	ug/l	
73) Bromobenzene	11.24	156	21349	5.257	ug/l	93
74) n-propylbenzene	11.34	91	79098	4.724	ug/l	98
75) 2-Chlorotoluene	11.40	91	51018	4.998	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	58245	4.697	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	8069	4.753	ug/l	92
78) 4-Chlorotoluene	11.49	91	57929	4.787	ug/l	100
79) tert-butylbenzene	11.76	119	55201	4.588	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	58510	4.677	ug/l	97
81) sec-Butylbenzene	11.93	105	63941	4.610	ug/l	99
82) p-Isopropyltoluene	12.05	119	59074	4.504	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	34754	4.756	ug/l	97
84) 1,4-Dichlorobenzene	12.08	146	35439	4.793	ug/l	97
85) n-Butylbenzene	12.37	91	49703	4.485	ug/l	99
86) Hexachloroethane	12.58	117	12407	4.890	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	35003	5.009	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	5889	5.362	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	20785	4.385	ug/l	98
90) Hexachlorobutadiene	13.76	225	9621	5.060	ug/l	98
91) Naphthalene	13.82	128	62056	4.271	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	21449	4.550	ug/l	100

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Manual Integrations
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Quant Time: Jul 10 07:01:56 2020
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 10 06:55:37 2020
Response via : Initial Calibration

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

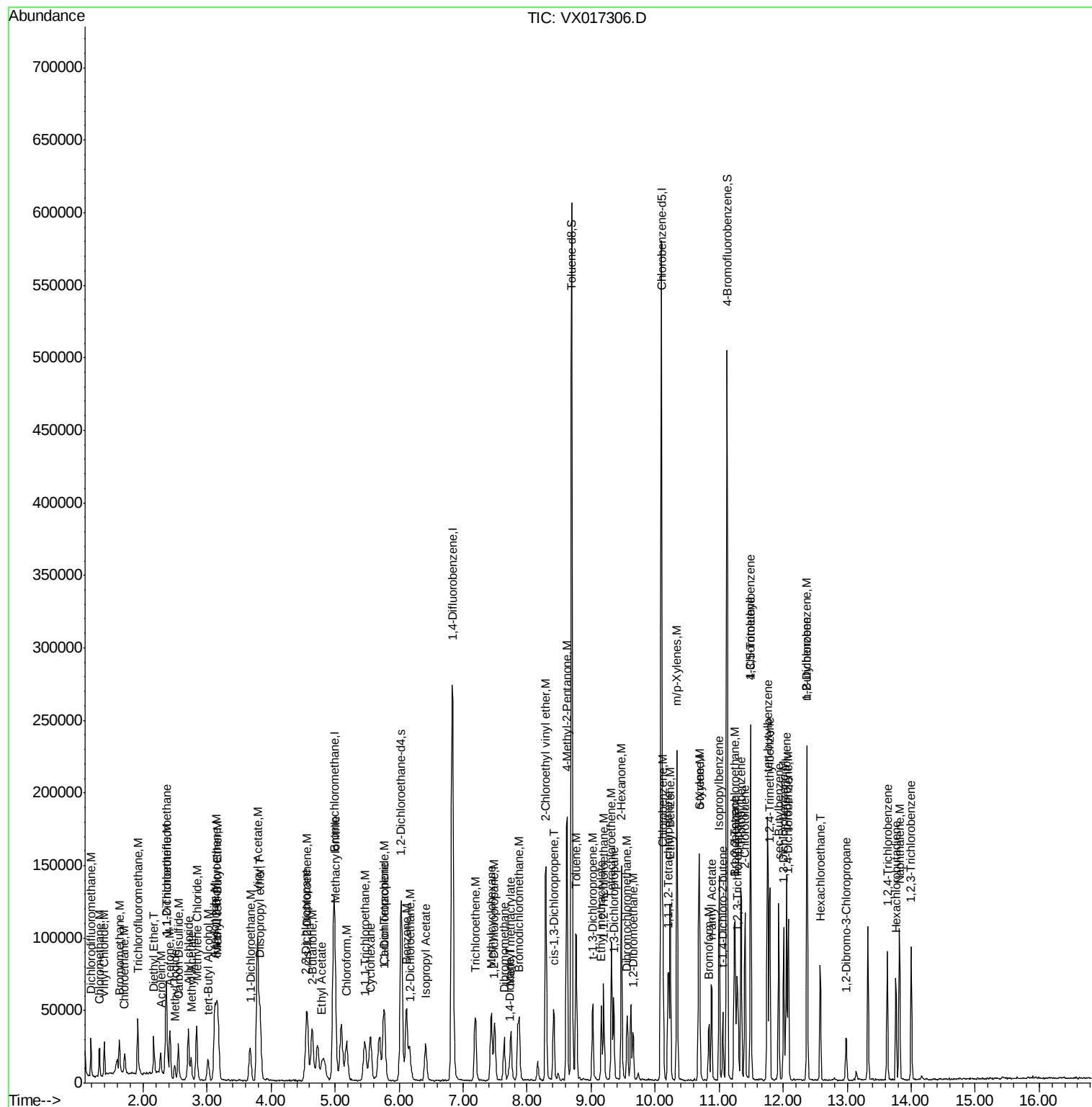
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017306.D
 Acq On : 09 Jul 2020 14:40
 Operator : JC/SP
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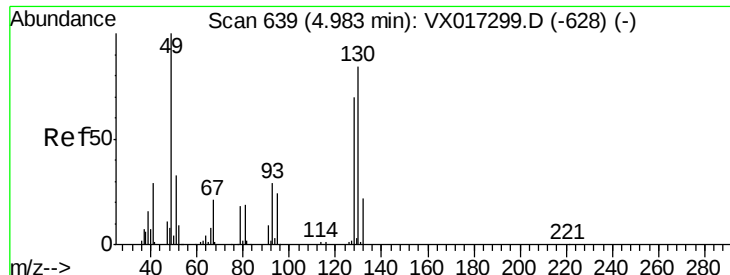
Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
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 7/10/2020 12:36:45 PM

Quant Time: Jul 10 07:01:56 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
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 QLast Update : Fri Jul 10 06:55:37 2020
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

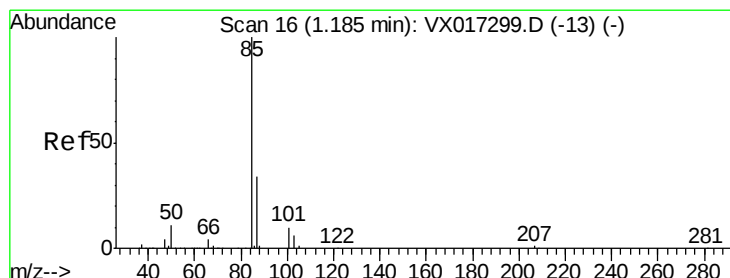
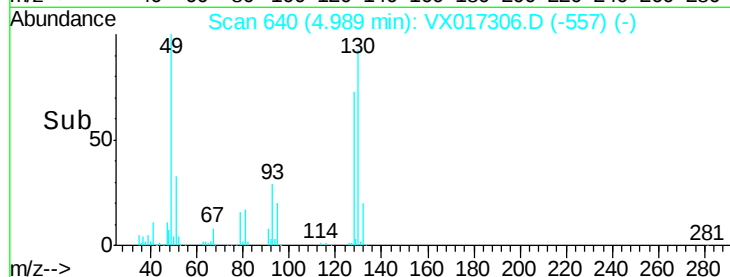
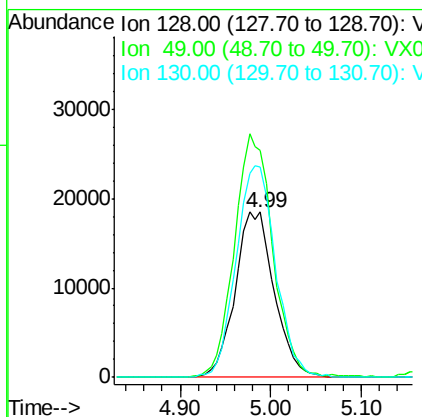
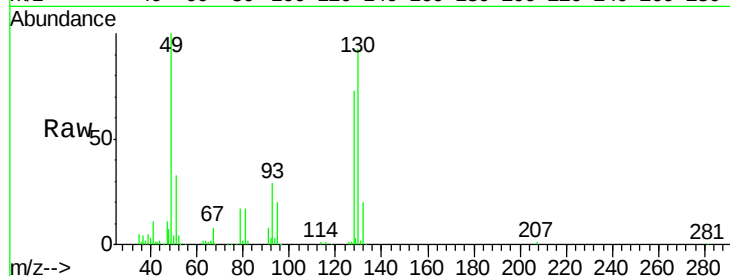
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	128	Resp:	55257
Ion	Ratio	Lower	Upper
128	100		
49	144.3	0.0	358.8
130	129.1	0.0	323.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 5.388 ug/l

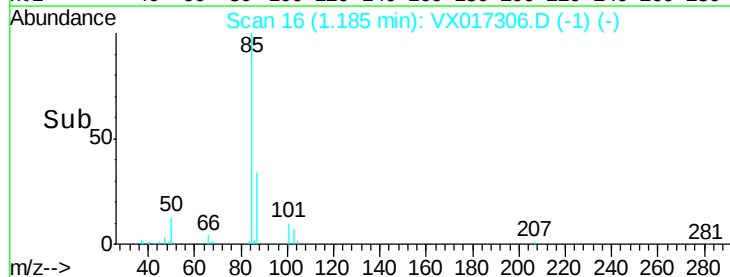
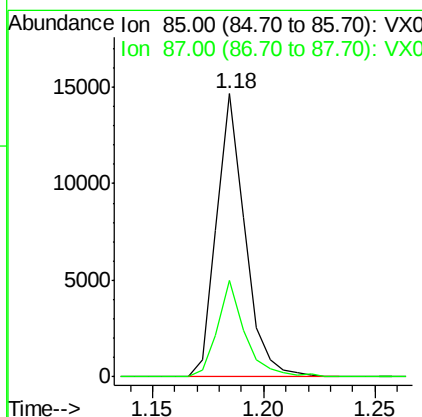
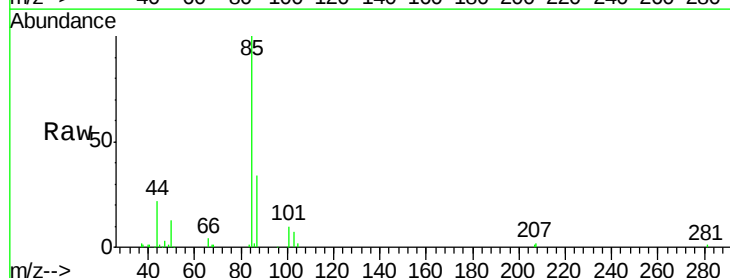
RT: 1.18 min Scan# 16

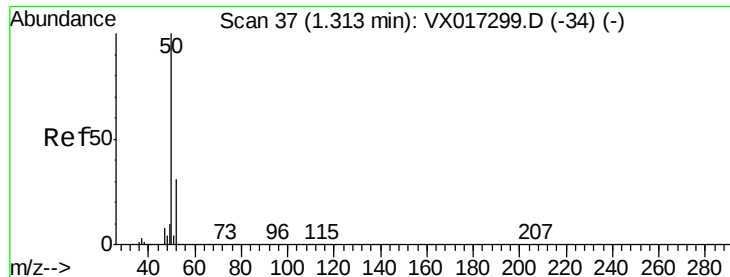
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	85	Resp:	13015
Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.9	50.6





#3

Chloromethane

Concen: 5.059 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 13019

Ion Ratio Lower Upper

50 100

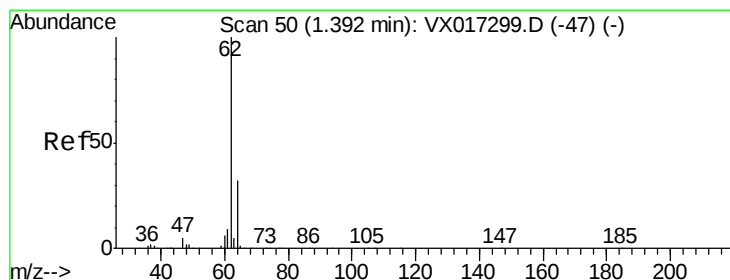
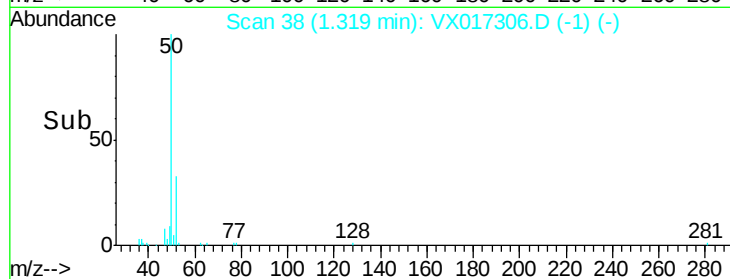
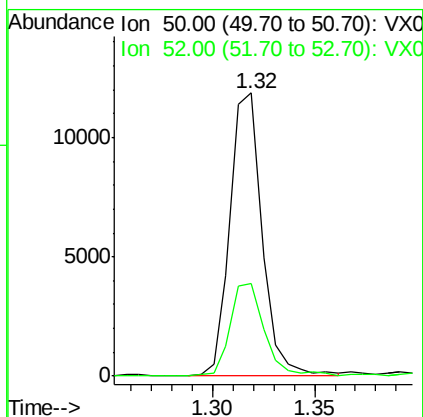
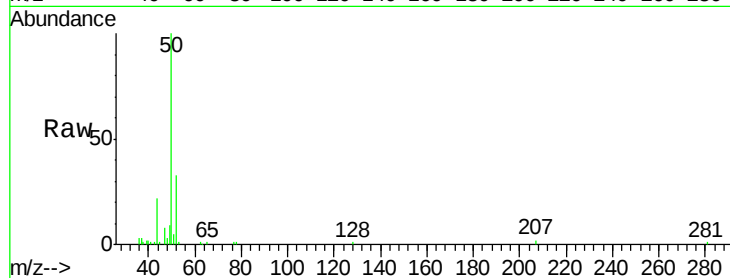
52 32.6 24.8 37.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.016 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017306.D

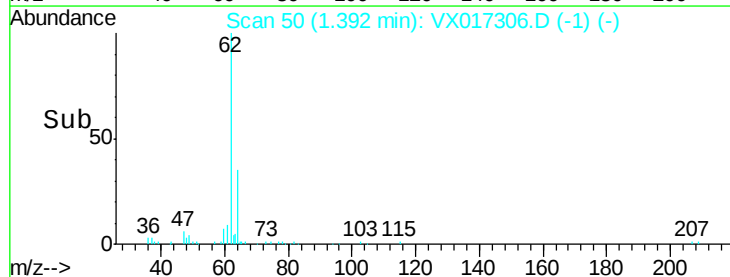
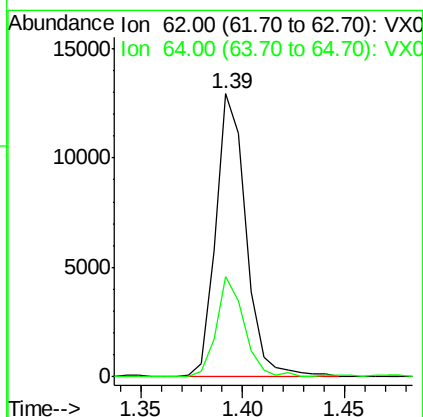
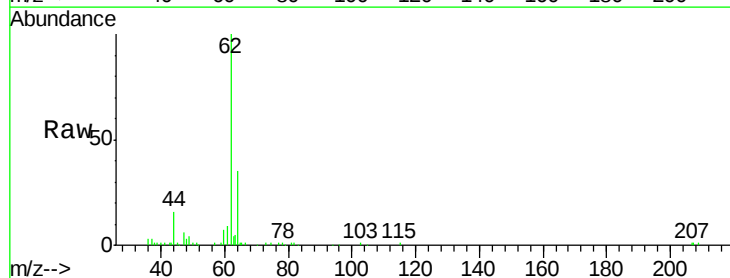
Acq: 09 Jul 2020 14:40

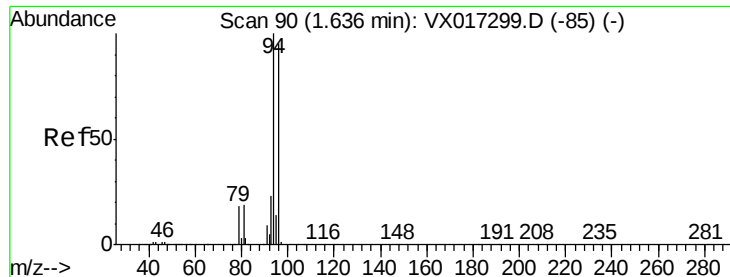
Tgt Ion: 62 Resp: 13301

Ion Ratio Lower Upper

62 100

64 35.2 25.3 37.9





#5

Bromomethane

Concen: 5.280 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 9332

Ion Ratio Lower Upper

94 100

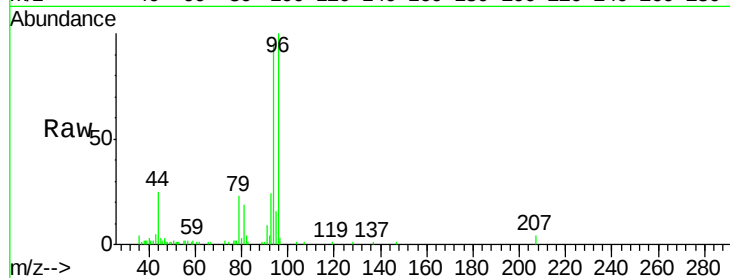
96 103.7 75.7 113.5

Manual Integrations

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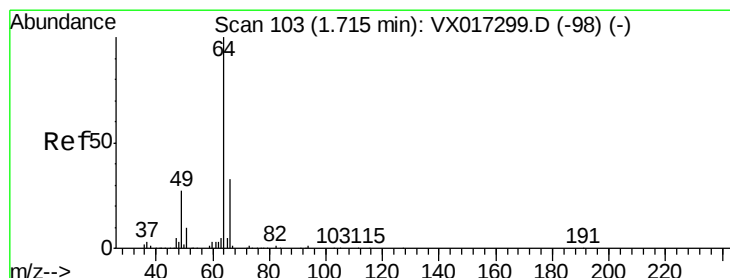
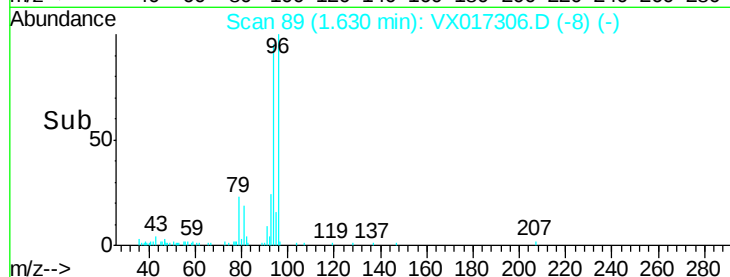
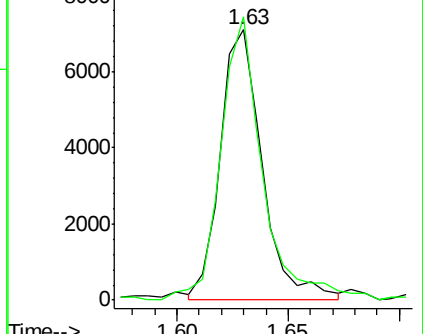
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 4.794 ug/l

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX017306.D

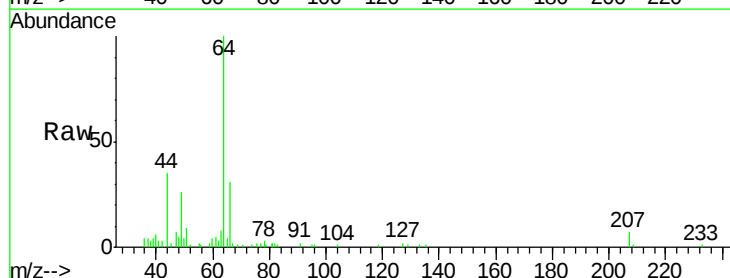
Acq: 09 Jul 2020 14:40

Tgt Ion: 64 Resp: 8406

Ion Ratio Lower Upper

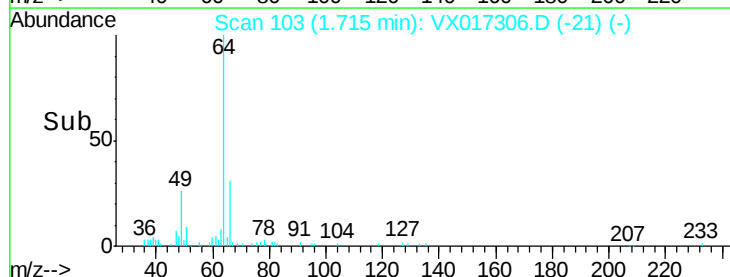
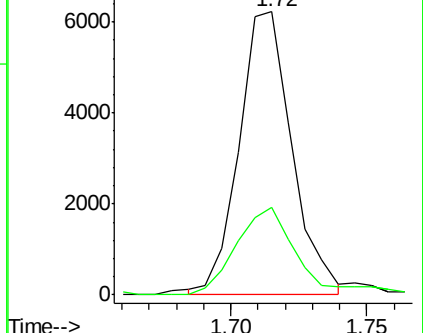
64 100

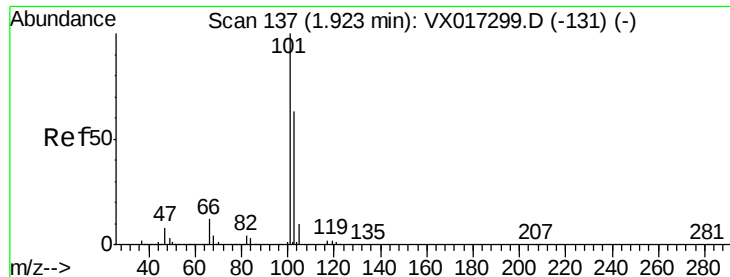
66 31.4 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

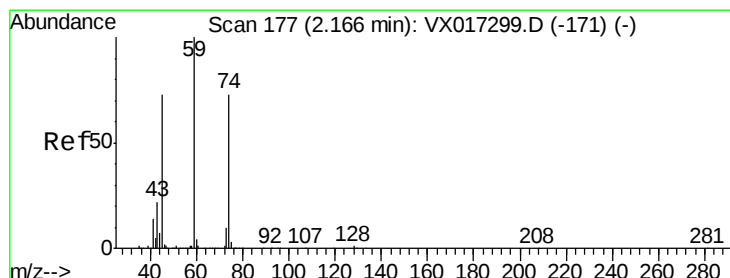
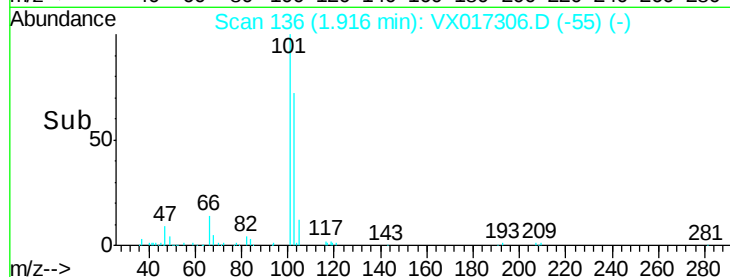
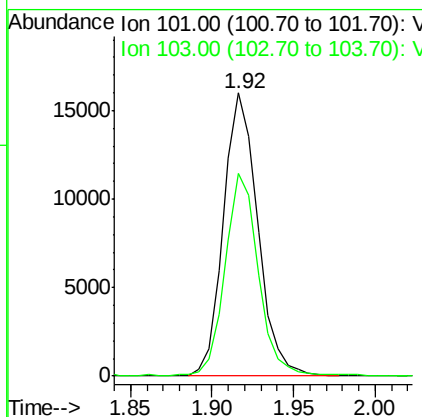
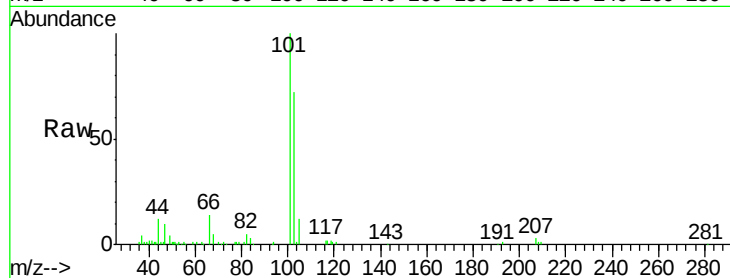
Trichlorofluoromethane
Concen: 4.979 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.1	50.1	75.1

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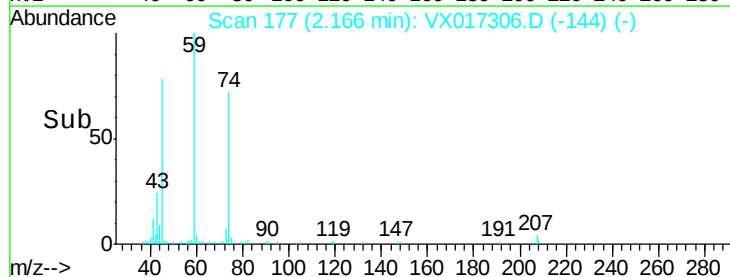
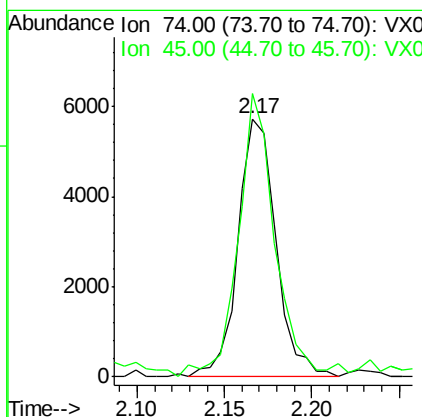
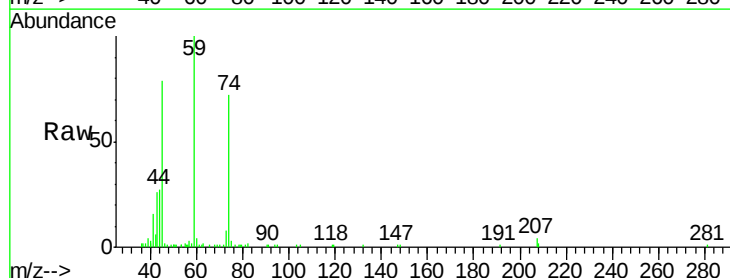
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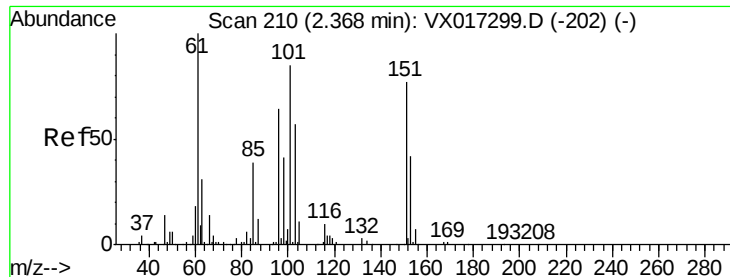


#8

Diethyl Ether
Concen: 5.178 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	18.9	170.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.557 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

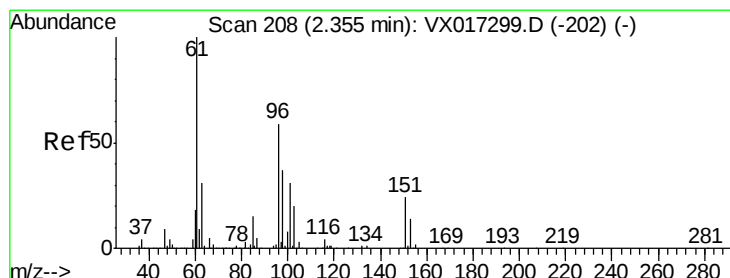
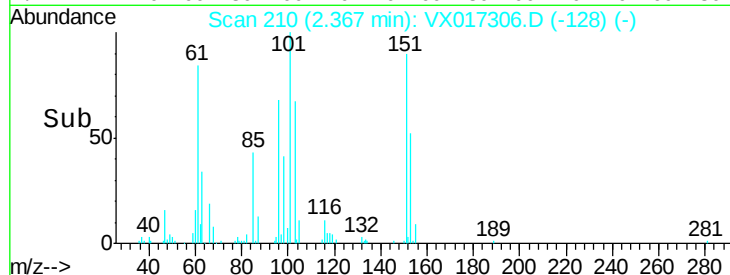
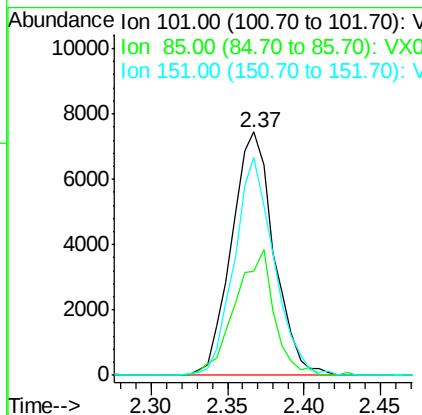
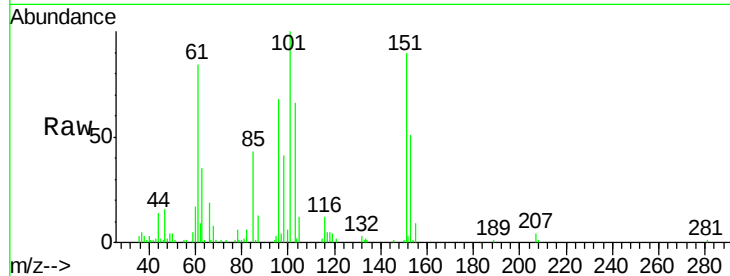
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	14312
Ion Ratio	Lower	Upper	
101	100		
85	47.2	0.0	87.8
151	83.8	0.0	170.2

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7/10/2020 12:36:45 PM



#10

1,1-Dichloroethene

Concen: 5.189 ug/l

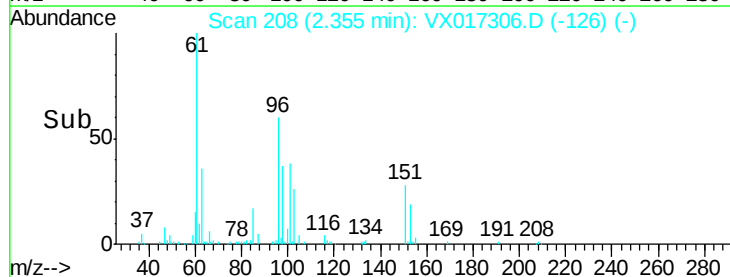
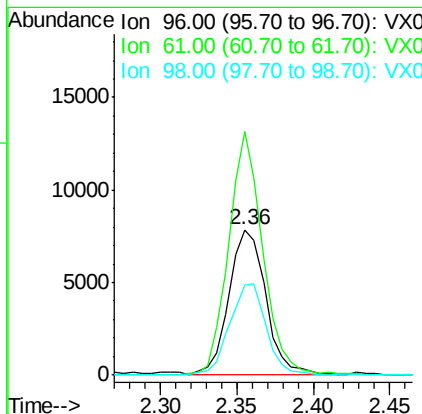
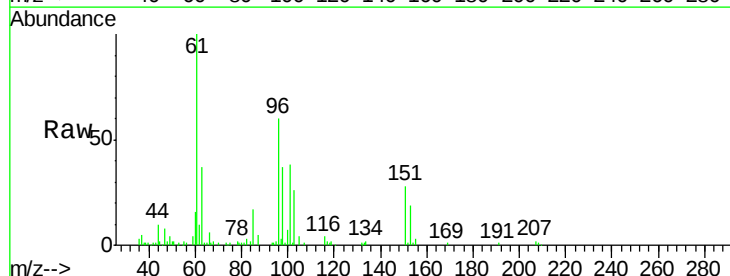
RT: 2.36 min Scan# 208

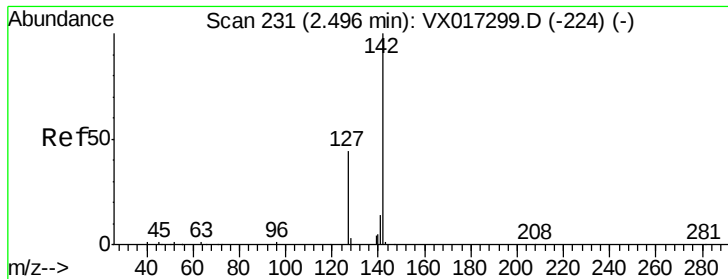
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	96	Resp:	13175
Ion Ratio	Lower	Upper	
96	100		
61	166.9	137.0	205.4
98	62.2	51.1	76.7





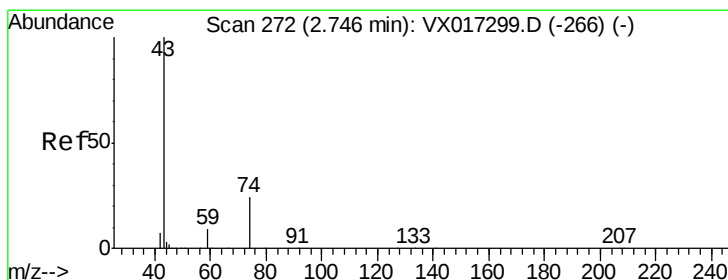
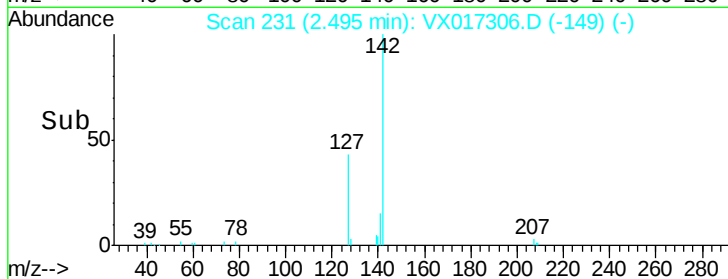
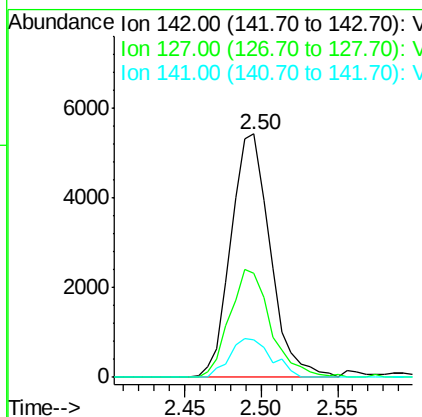
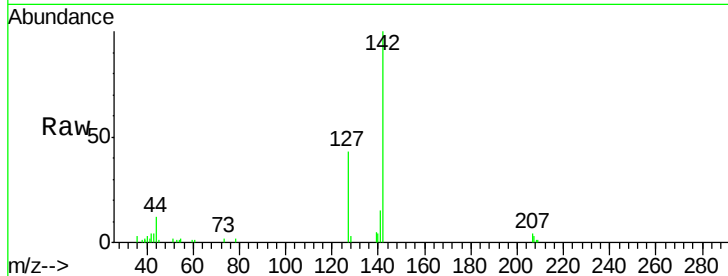
#11
Methvl Iodide
Concen: 3.239 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.6	21.9	65.7
141	15.5	7.0	21.1

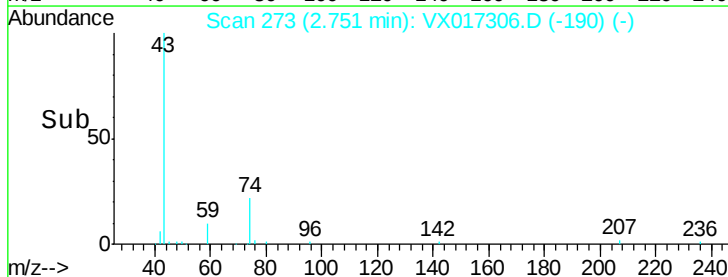
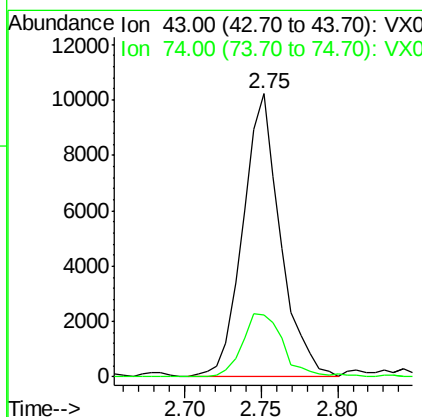
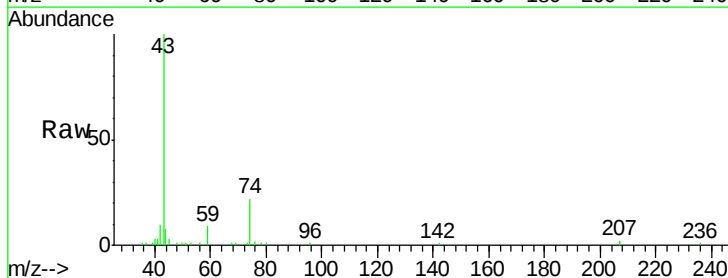
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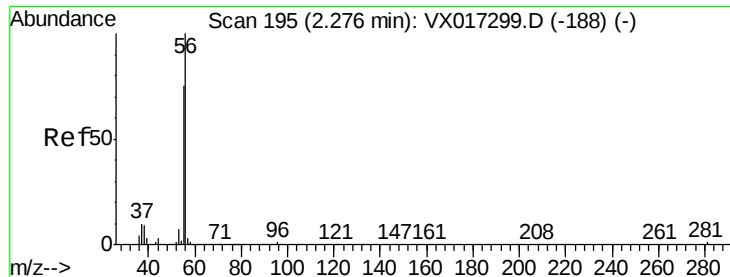
MMDadoda
7/10/2020 12:36:45 PM



#12
Methyl Acetate
Concen: 4.909 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	18.8	28.2





#13

Acrolein

Concen: 22.424 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 10260

Ion Ratio Lower Upper

56 100

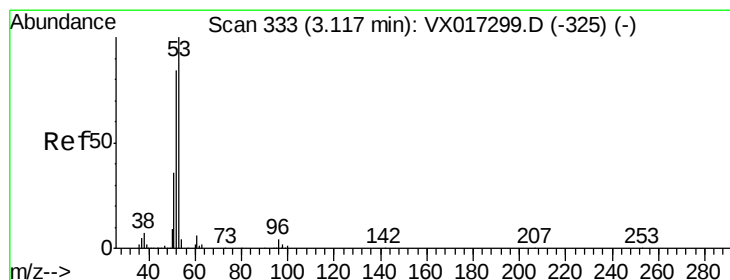
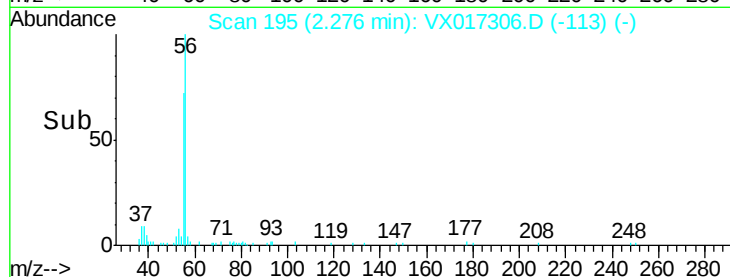
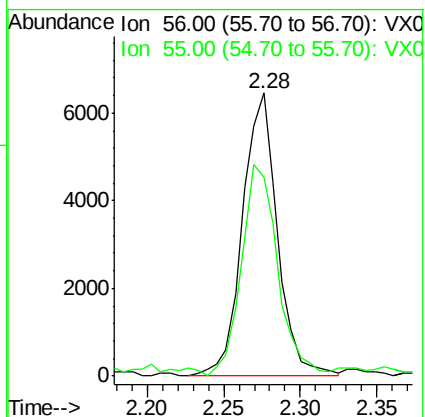
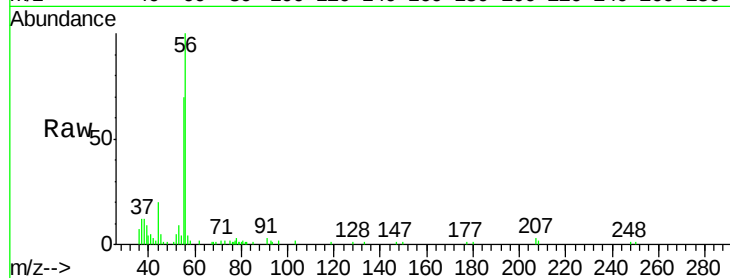
55 77.7 58.5 87.7

Manual Integrations

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#14

Acrylonitrile

Concen: 25.131 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

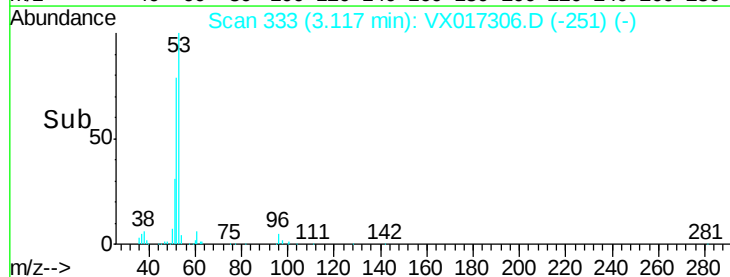
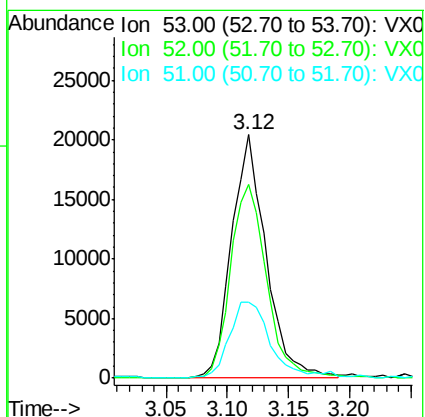
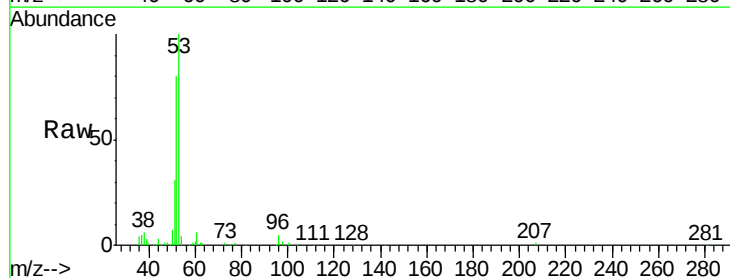
Tgt Ion: 53 Resp: 40118

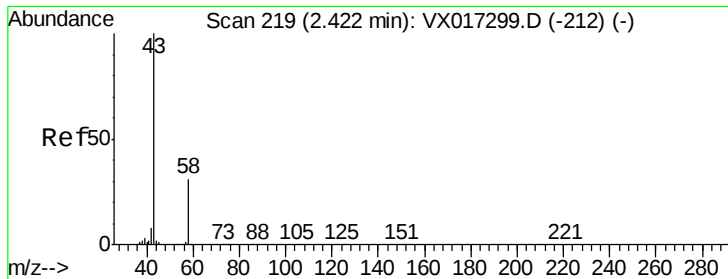
Ion Ratio Lower Upper

53 100

52 83.3 41.3 123.9

51 36.7 18.1 54.1





#15

Acetone

Concen: 25.956 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 58 Resp: 10450

Ion Ratio Lower Upper

58 100

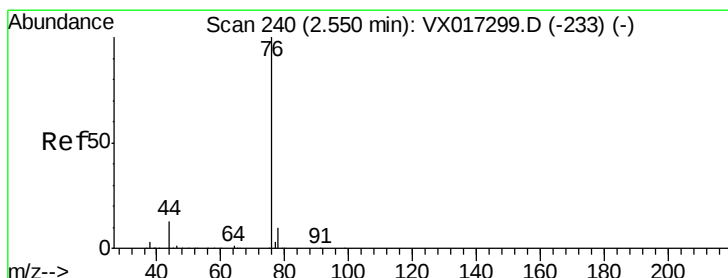
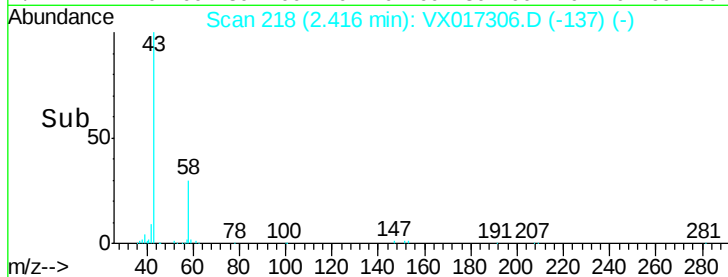
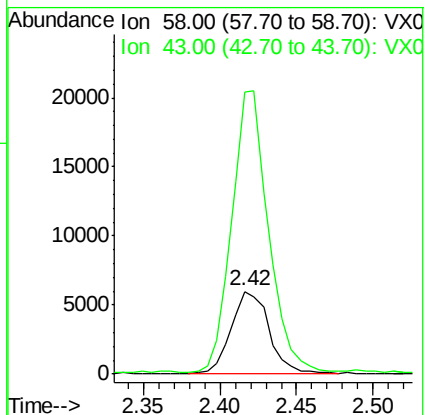
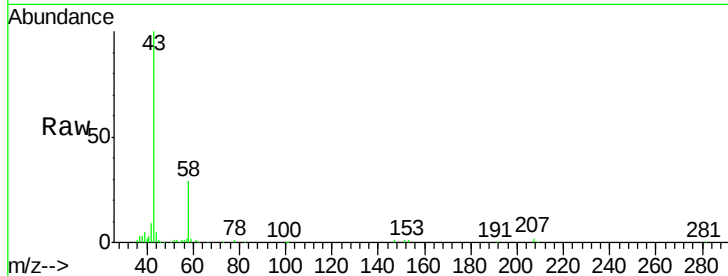
43 338.7 255.0 382.4

Manual Integrations

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#16

Carbon Disulfide

Concen: 4.290 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017306.D

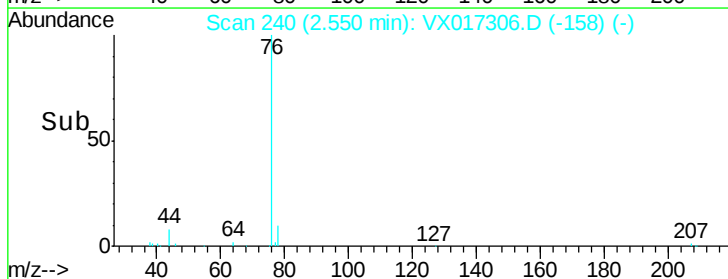
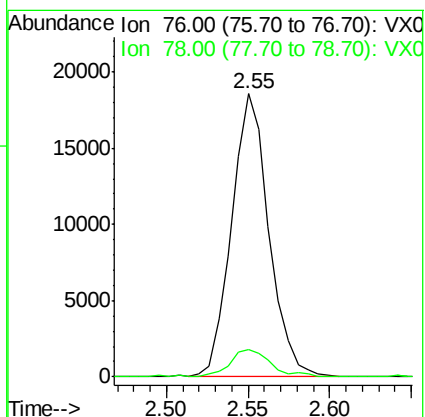
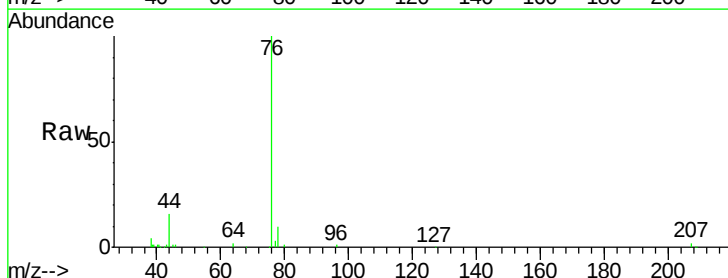
Acq: 09 Jul 2020 14:40

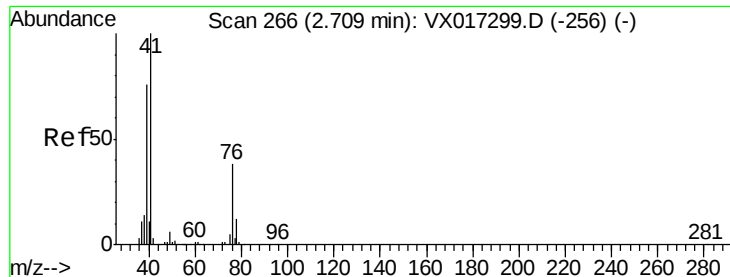
Tgt Ion: 76 Resp: 29547

Ion Ratio Lower Upper

76 100

78 9.7 7.9 11.9





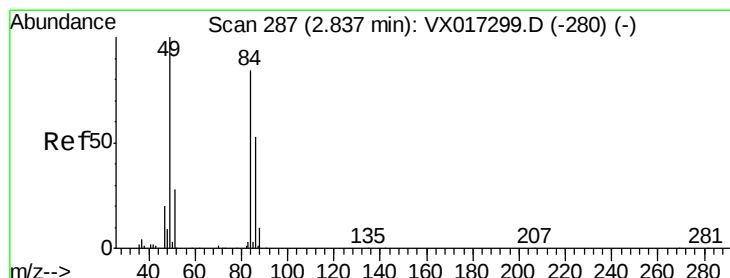
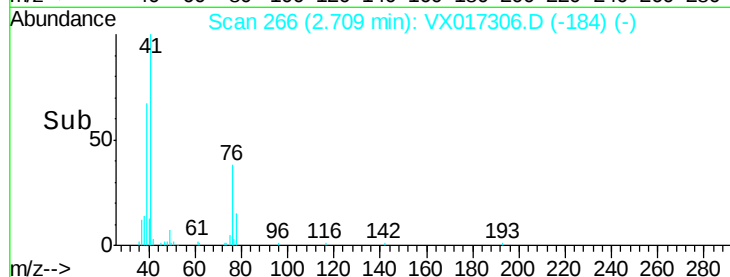
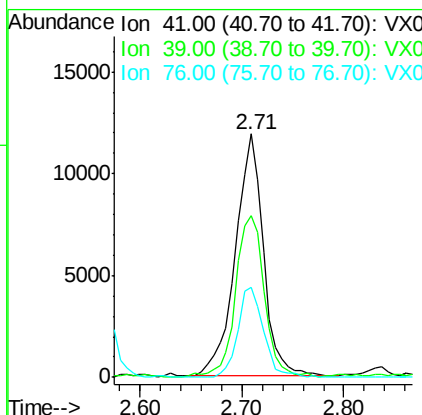
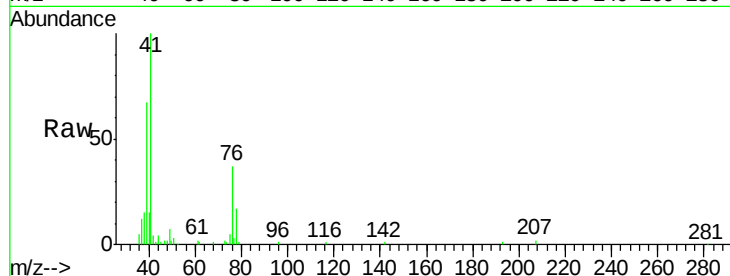
#17
Allvl chloride
Concen: 4.802 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.2	38.1	114.5
76	37.4	18.8	56.4

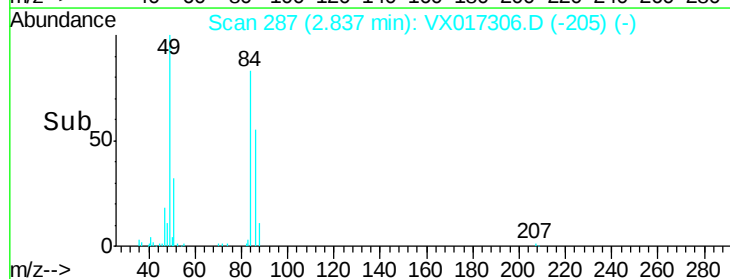
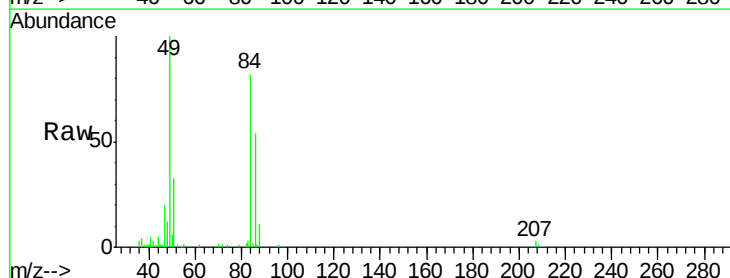
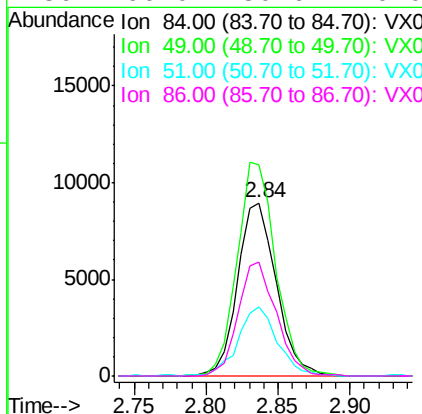
Manual Integrations
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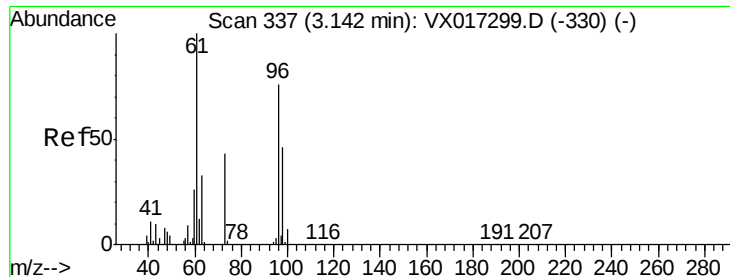
MMDadoda
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#18
Methylene Chloride
Concen: 5.334 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.8	95.7	143.5
51	40.0	27.2	40.8
86	66.0	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 4.894 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

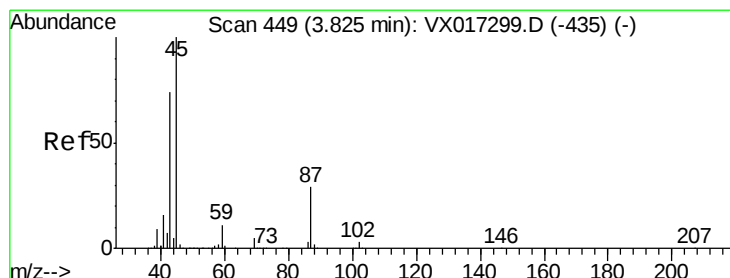
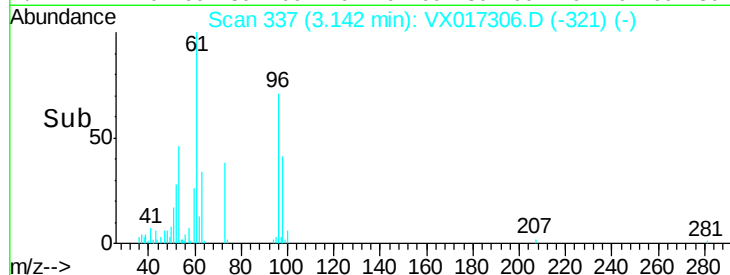
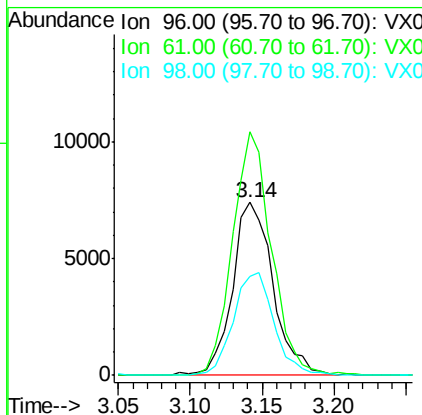
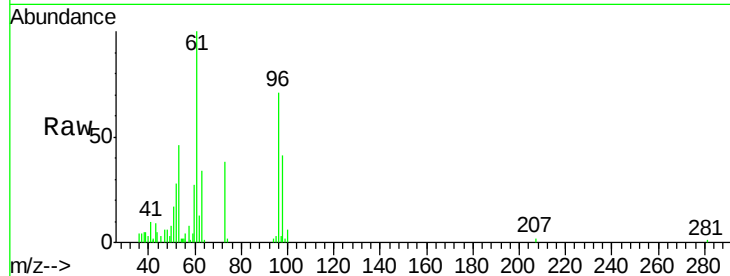
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	96	Resp:	14529
Ion	Ratio	Lower	Upper
96	100		
61	141.0	105.0	157.6
98	57.6	48.6	73.0

Manual Integrations
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#20

Diisopropyl ether

Concen: 5.015 ug/l

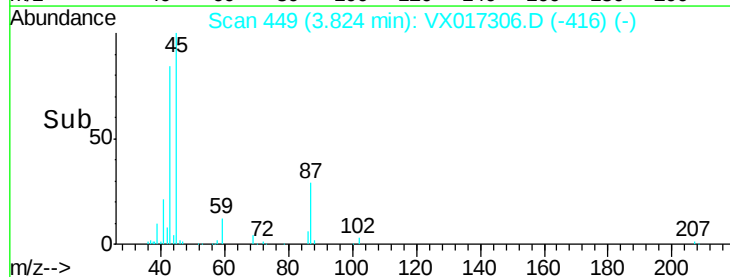
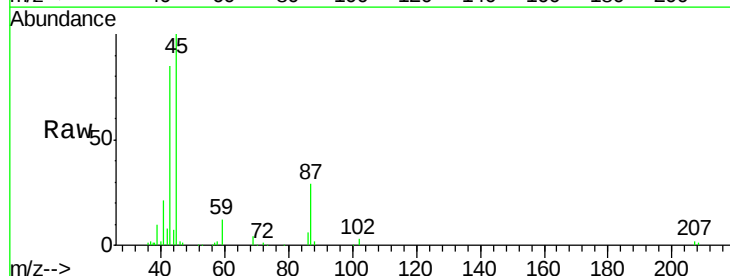
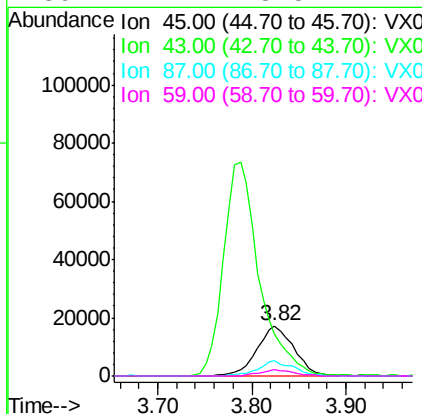
RT: 3.82 min Scan# 449

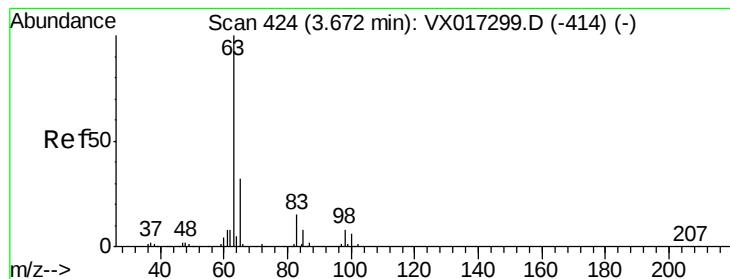
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	45	Resp:	47362
Ion	Ratio	Lower	Upper
45	100		
43	84.2	59.5	89.3
87	29.5	23.2	34.8
59	11.7	8.5	12.7





#21

1,1-Dichloroethane

Concen: 5.068 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

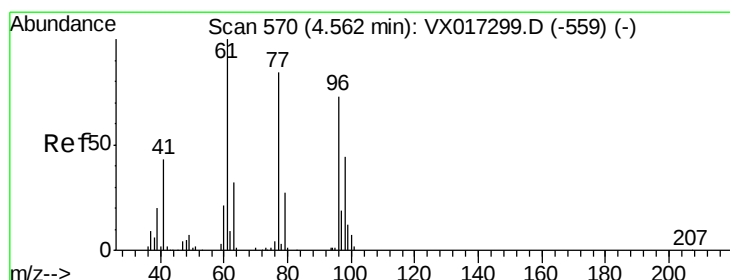
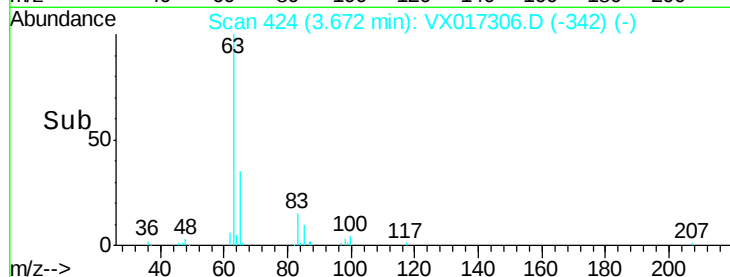
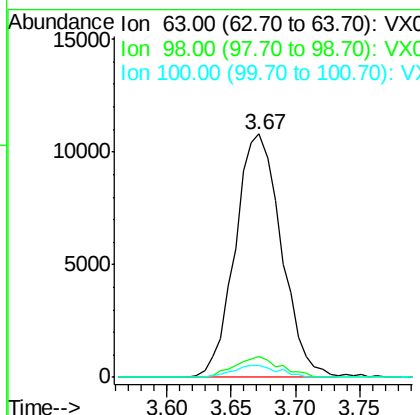
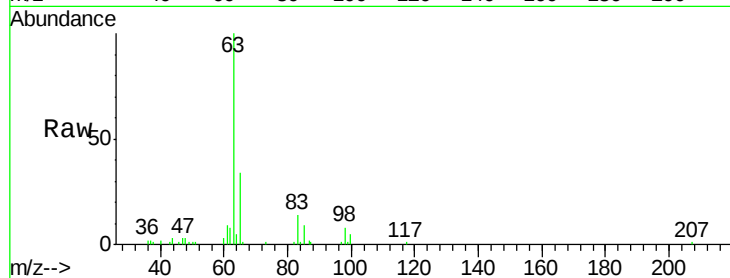
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	63	Resp:	26827
Ion Ratio	Lower	Upper	
63	100		
98	8.4	4.2	12.4
100	4.8	2.8	8.3

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#22

cis-1,2-Dichloroethene

Concen: 5.120 ug/l

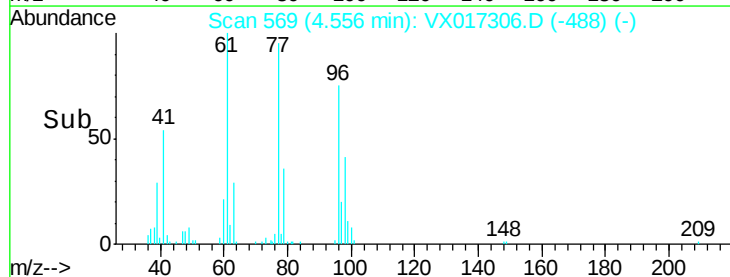
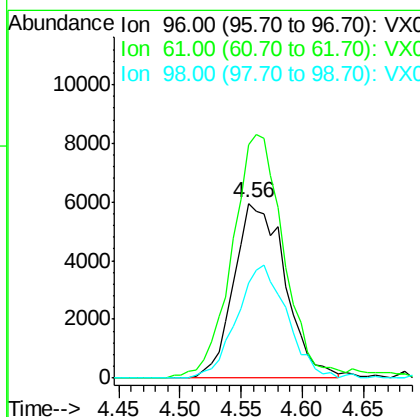
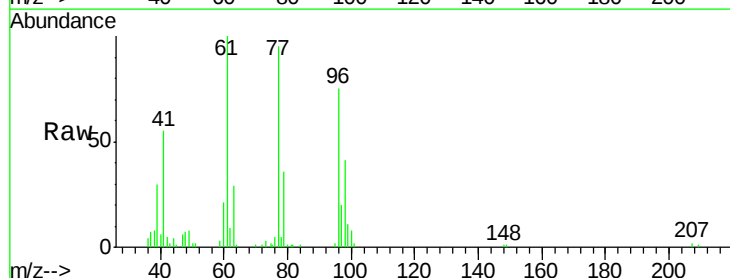
RT: 4.56 min Scan# 569

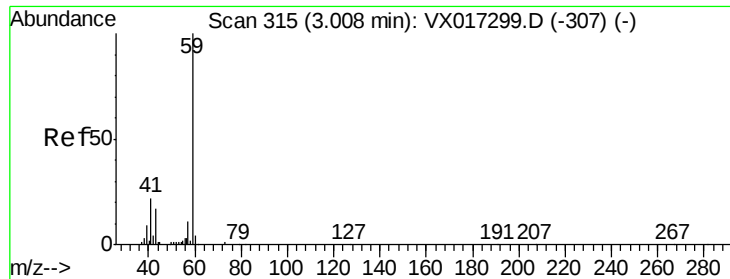
Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	96	Resp:	17342
Ion Ratio	Lower	Upper	
96	100		
61	139.5	111.7	167.5
98	62.7	50.9	76.3





#23

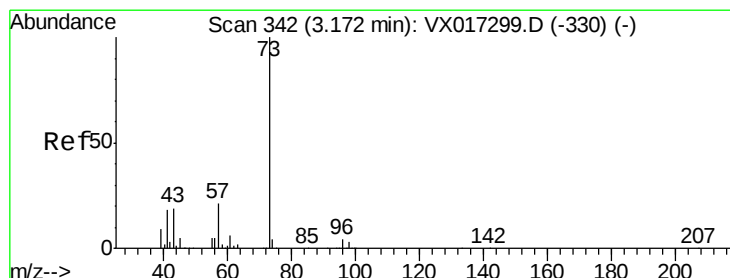
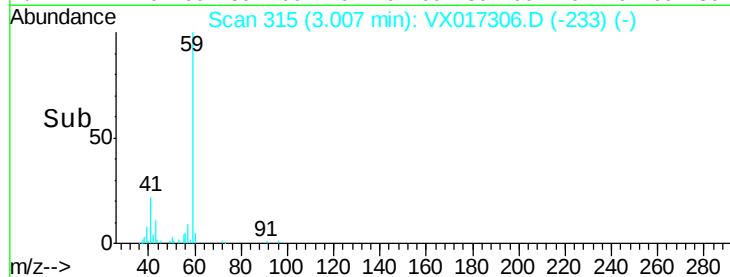
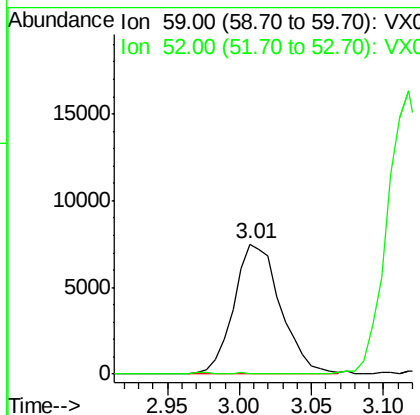
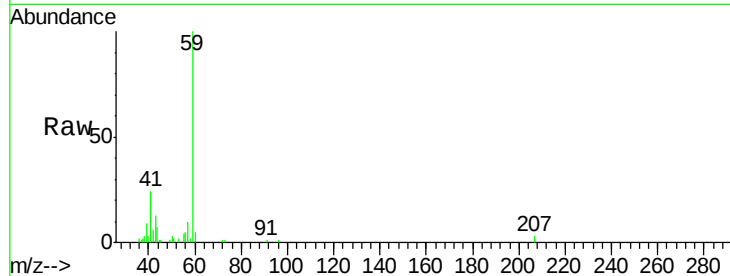
tert-Butyl Alcohol
 Concen: 25.730 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.4	0.6#

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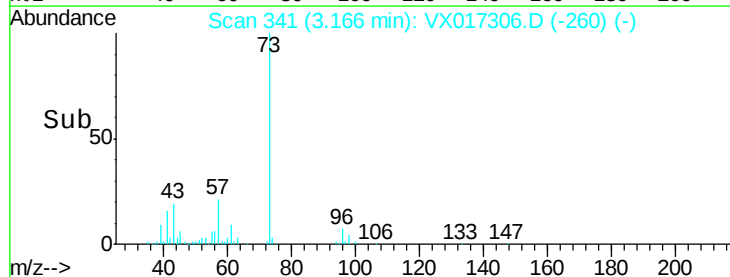
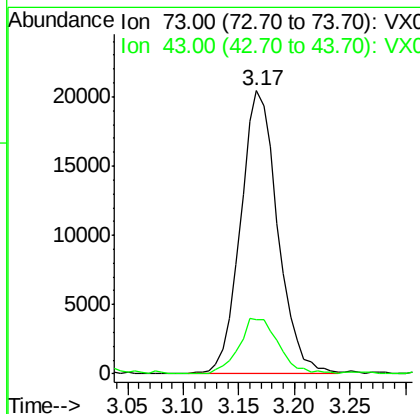
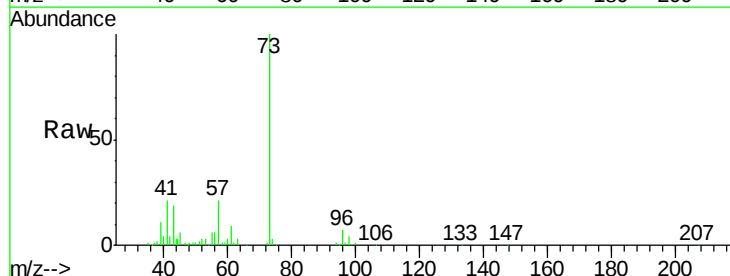
MMDadoda
 7/10/2020 12:36:45 PM

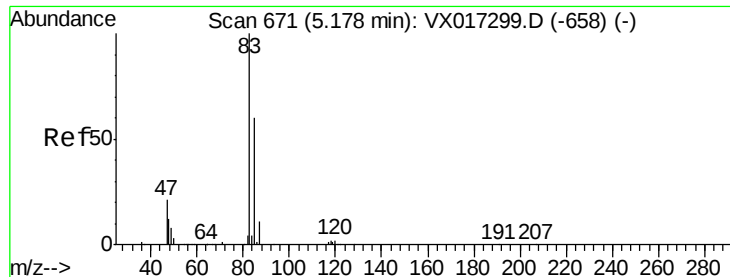


#24

Methyl tert-Butyl Ether
 Concen: 4.894 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.9	16.3	24.5





#25

Chloroform

Concen: 5.264 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 83 Resp: 29691

Ion Ratio Lower Upper

83 100

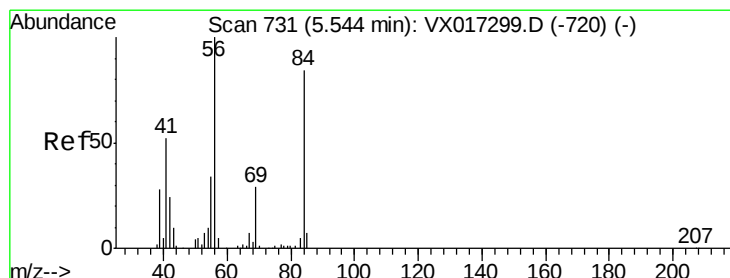
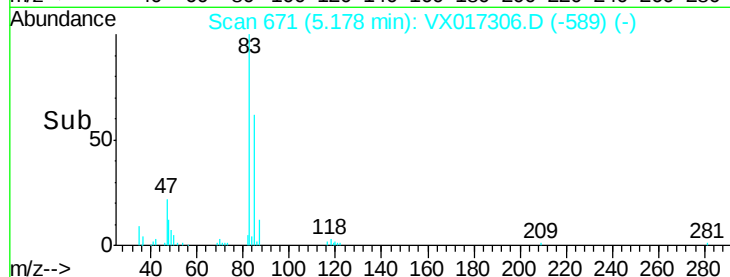
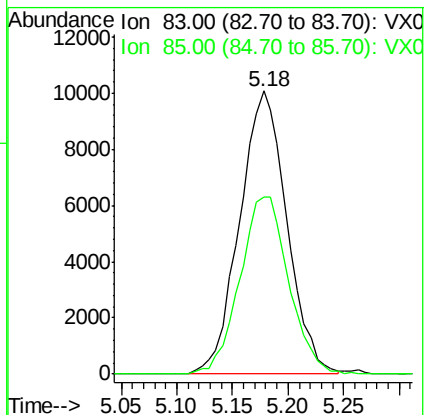
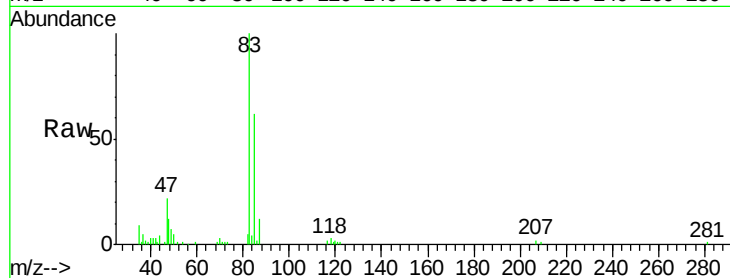
85 62.4 47.8 71.8

Manual Integrations

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#26

Cyclohexane

Concen: 4.679 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

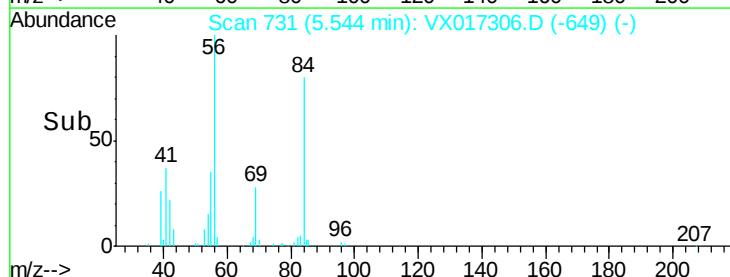
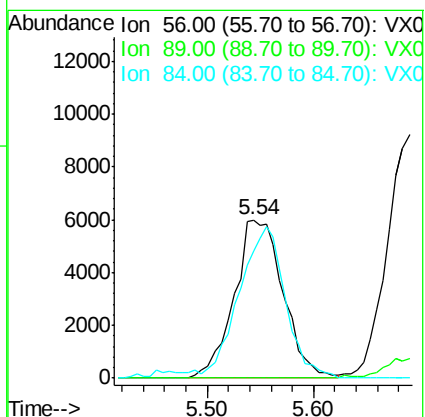
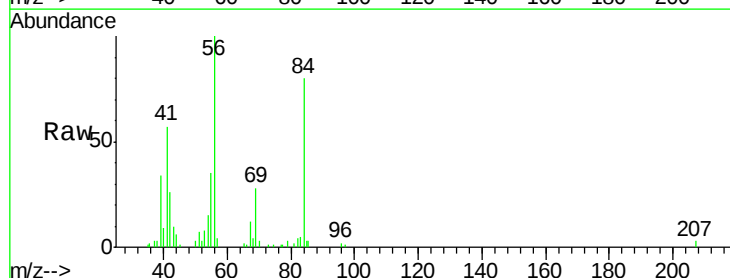
Tgt Ion: 56 Resp: 19298

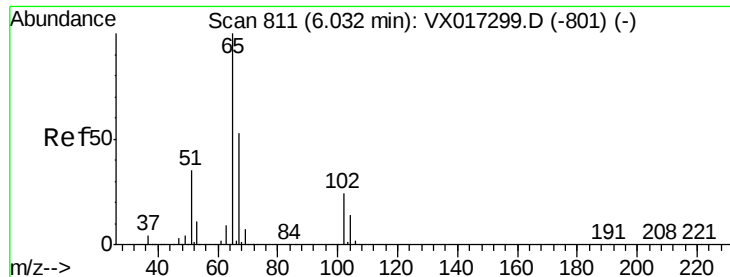
Ion Ratio Lower Upper

56 100

89 0.3 0.0 0.0#

84 89.9 71.5 107.3





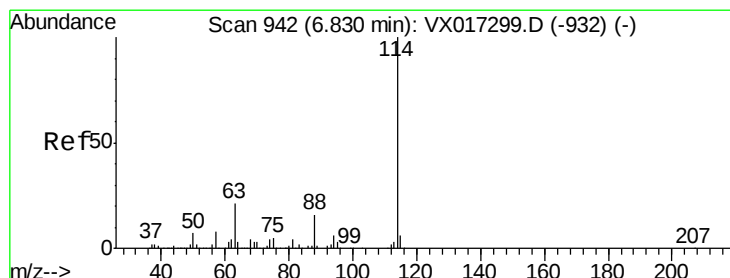
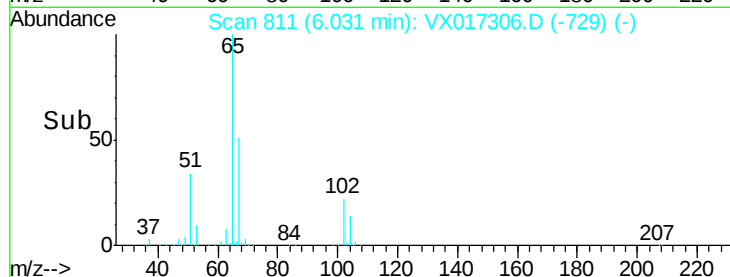
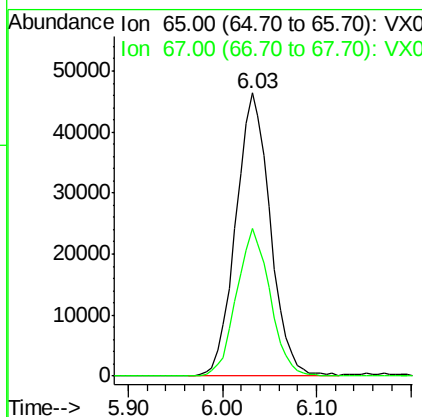
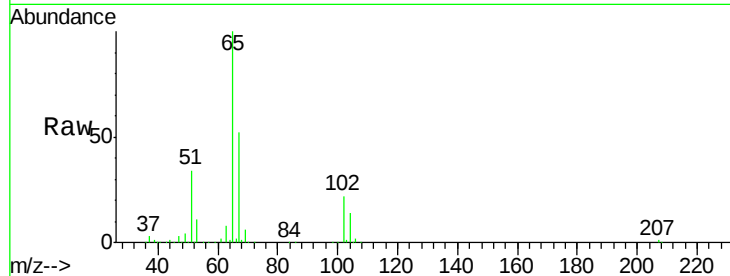
#27
 1,2-Dichloroethane-d4
 Concen: 29.898 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	41.0	61.6

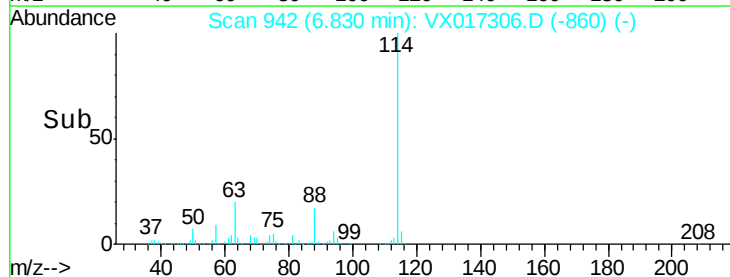
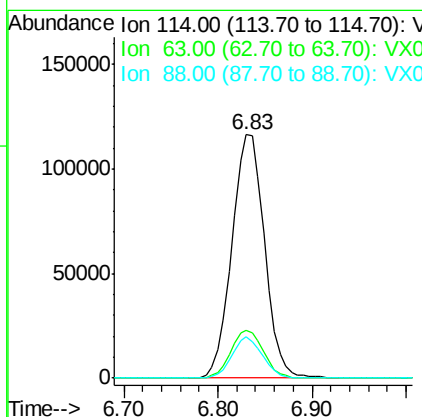
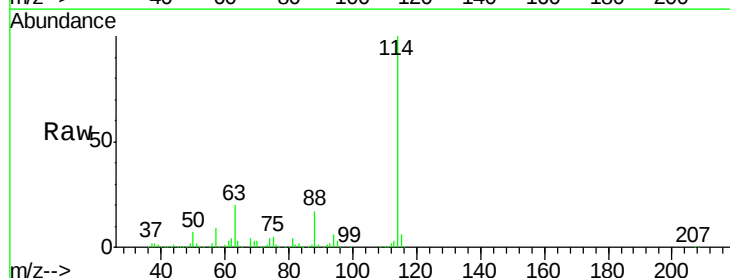
Manual Integrations
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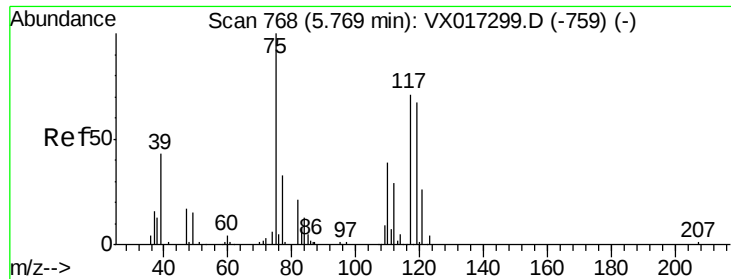
MMDadoda
 7/10/2020 12:36:45 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	15.9	23.9
88	15.7	12.4	18.6





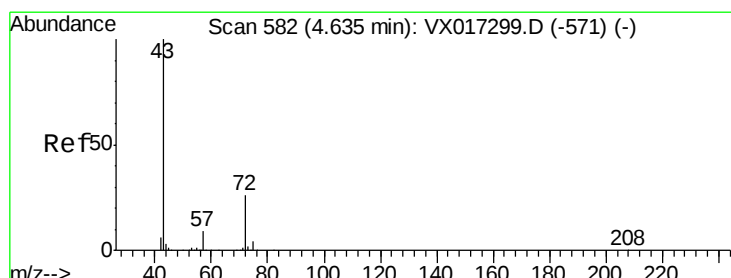
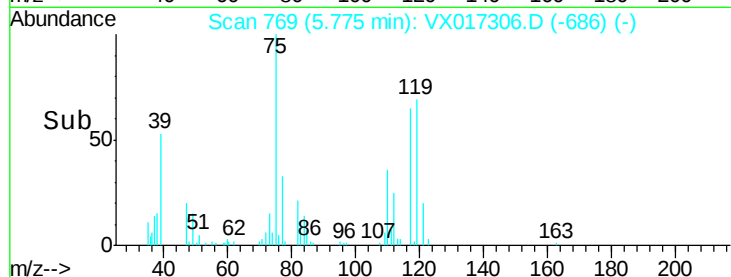
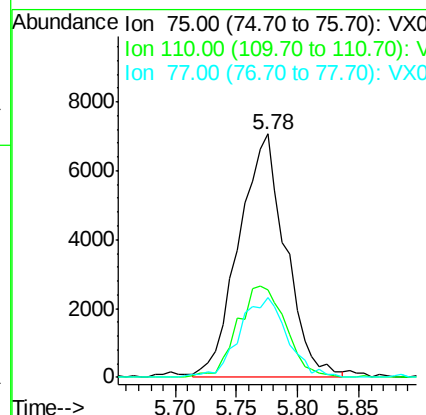
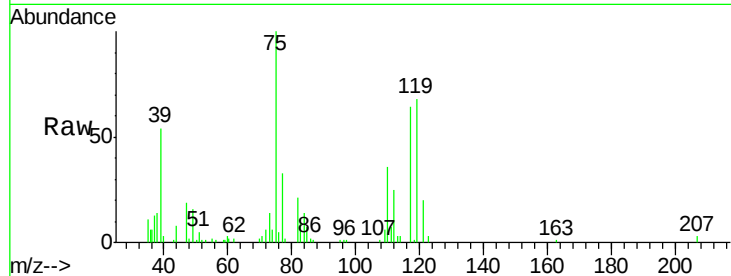
#29
 1,1-Dichloropropene
 Concen: 4.864 ug/l
 RT: 5.78 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	0.0	75.8	
77	29.8	0.0	63.4	

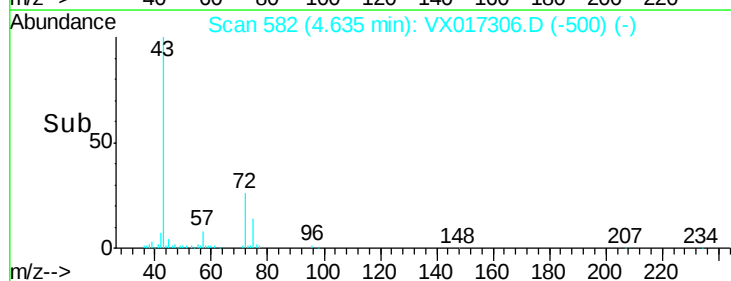
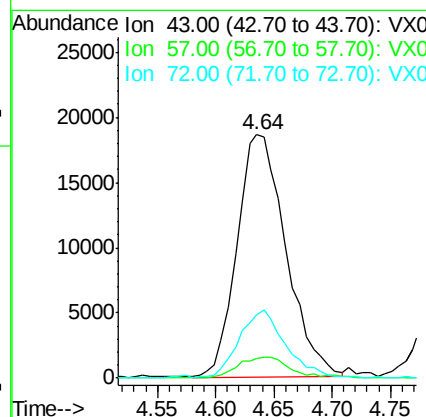
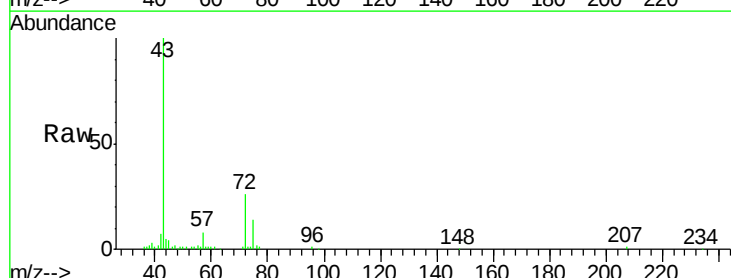
Manual Integrations
 APPROVED

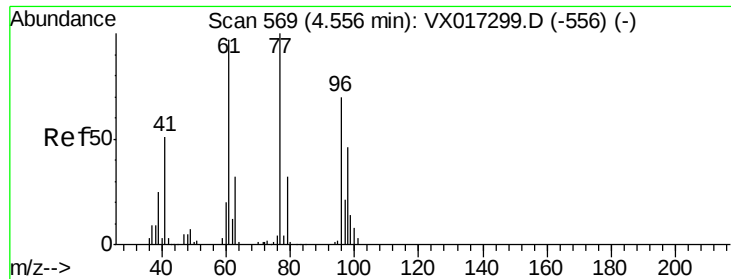
MMDadoda
 7/10/2020 12:36:45 PM



#30
 2-Butanone
 Concen: 25.557 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.8	6.8	10.2	
72	26.7	21.0	31.6	





#31

2,2-Dichloropropane

Concen: 5.062 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 77 Resp: 24618

Ion Ratio Lower Upper

77 100

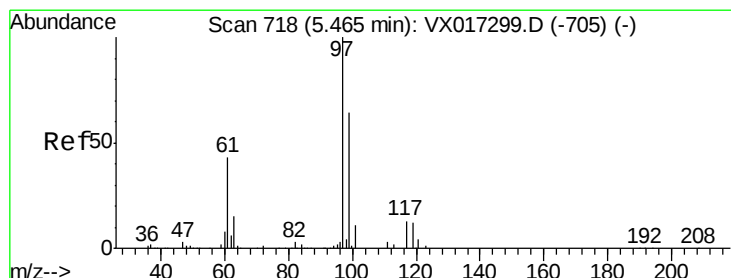
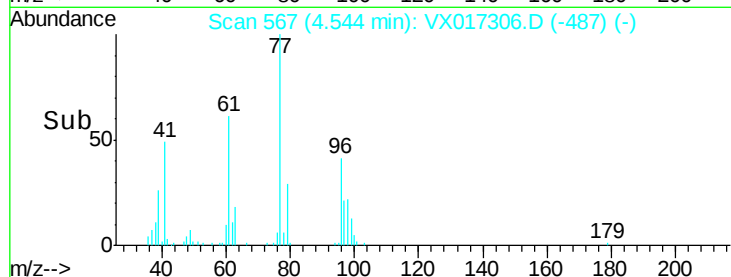
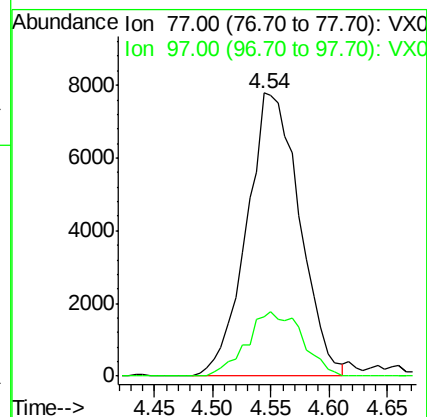
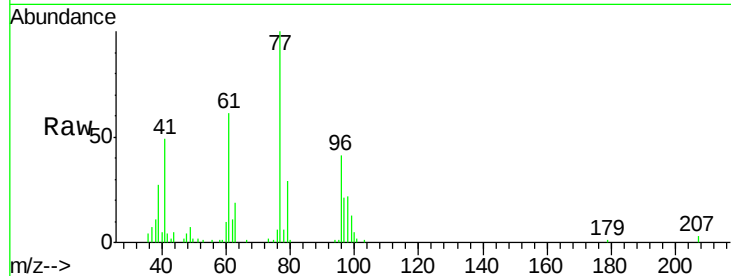
97 16.4 18.2 27.2#

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 5.324 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

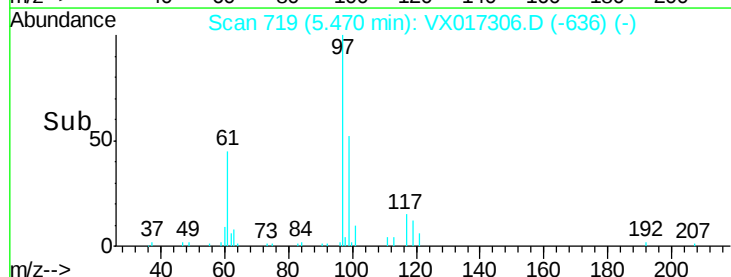
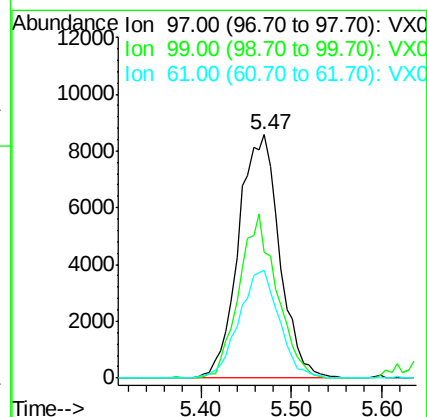
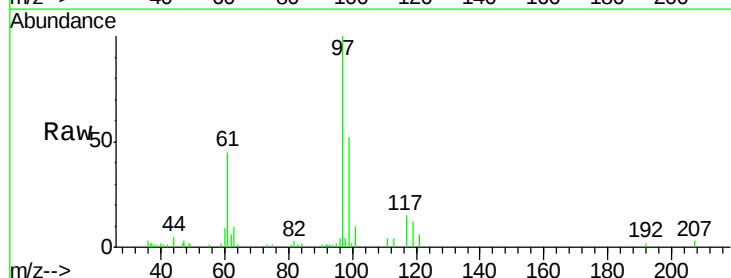
Tgt Ion: 97 Resp: 26909

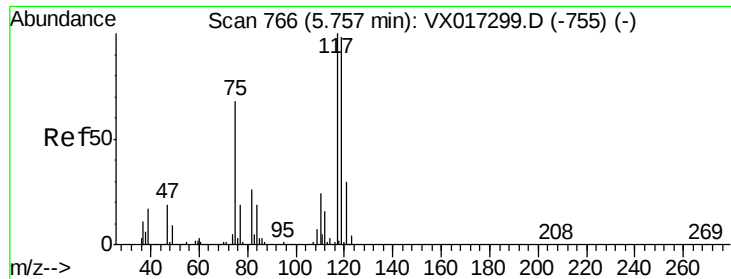
Ion Ratio Lower Upper

97 100

99 61.4 53.2 79.8

61 43.3 34.0 51.0





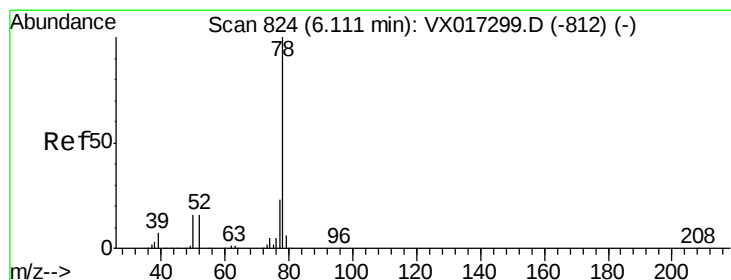
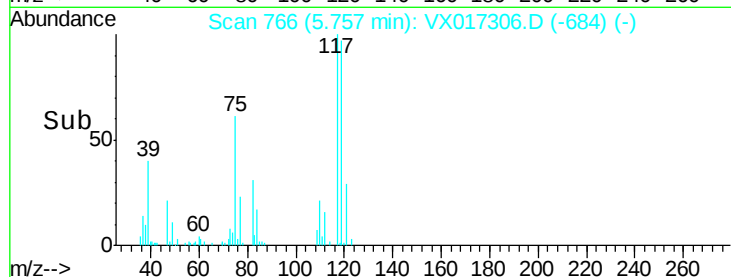
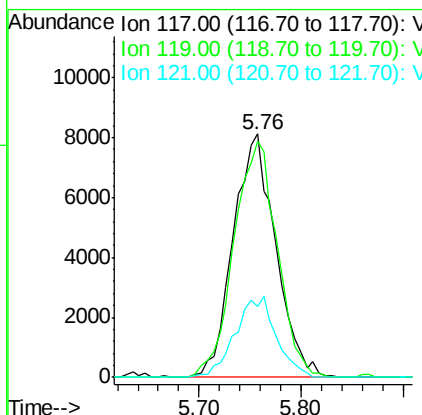
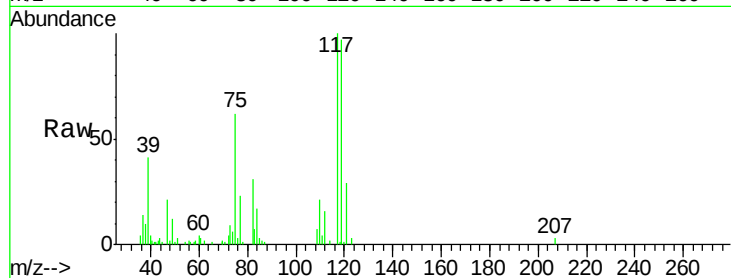
#33
Carbon Tetrachloride
Concen: 5.039 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.8	118.2
121	29.1	23.7	35.5

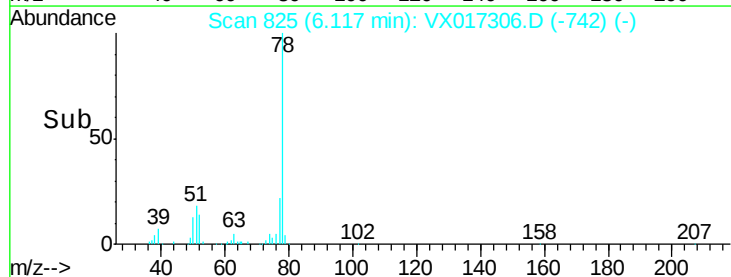
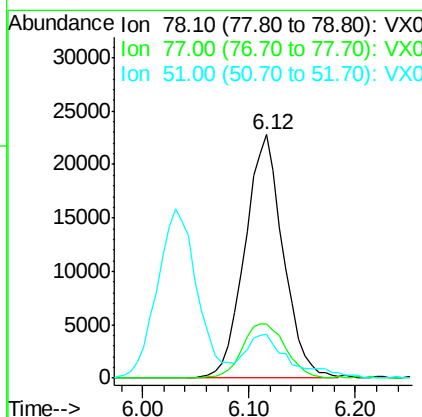
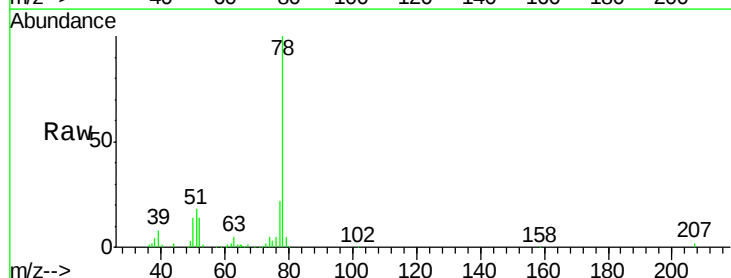
Manual Integrations
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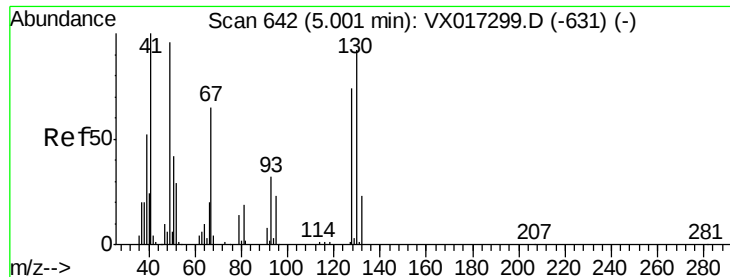
MMDadoda
7/10/2020 12:36:45 PM



#34
Benzene
Concen: 4.978 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.1	27.1
51	15.9	12.9	19.3





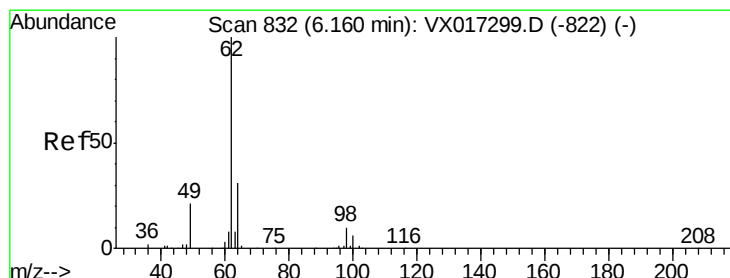
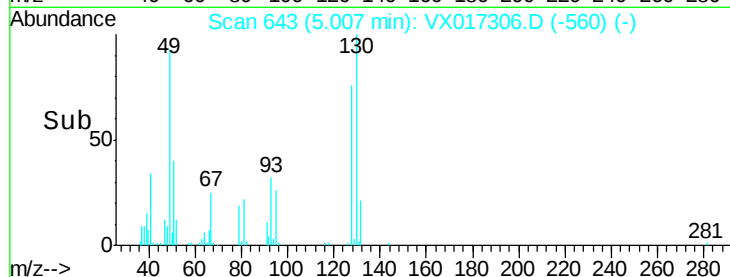
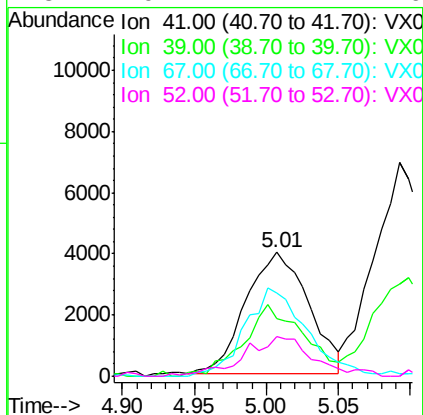
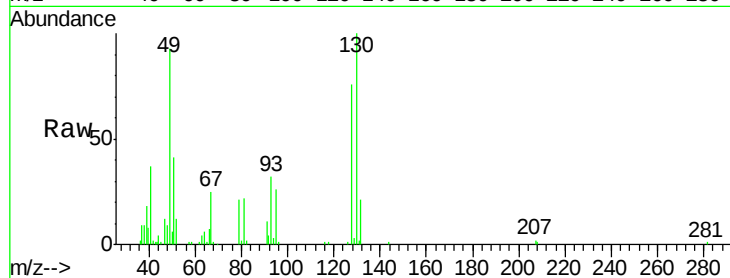
#35
Methacrylonitrile
Concen: 5.086 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		12091		
39	45.2	26.0	78.0		
67	68.8	32.6	97.8		
52	29.7	14.2	42.6		

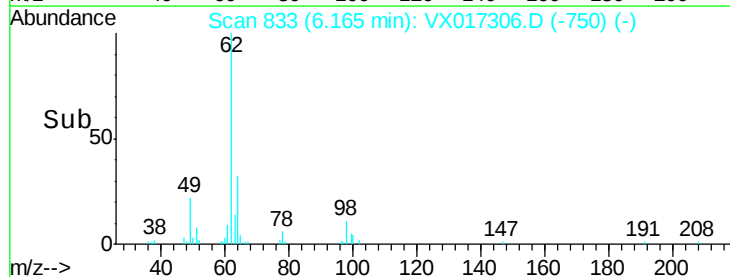
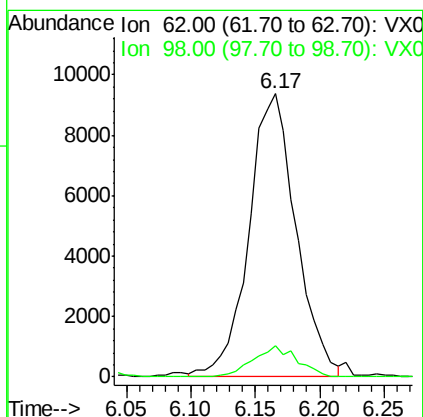
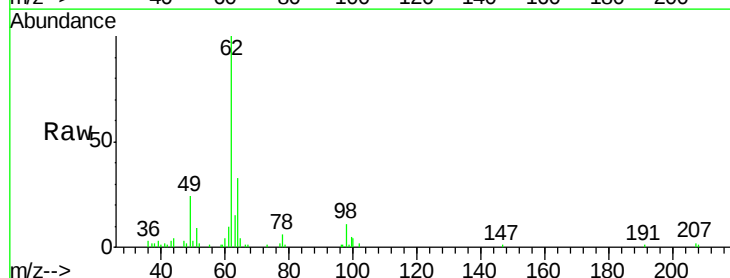
Manual Integrations
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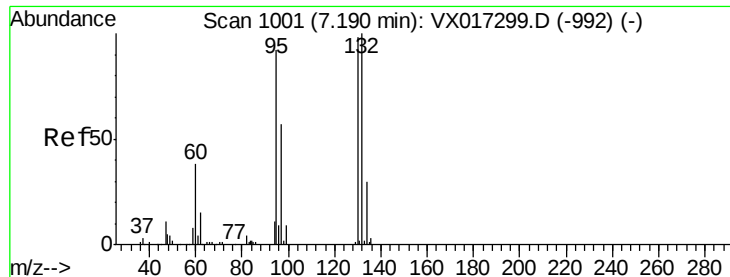
MMDadoda
7/10/2020 12:36:45 PM



#36
1,2-Dichloroethane
Concen: 5.228 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		23782		
98	10.2	7.8	11.8		





#37

Trichloroethene

Concen: 4.909 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:130 Resp: 17056

Ion Ratio Lower Upper

130 100

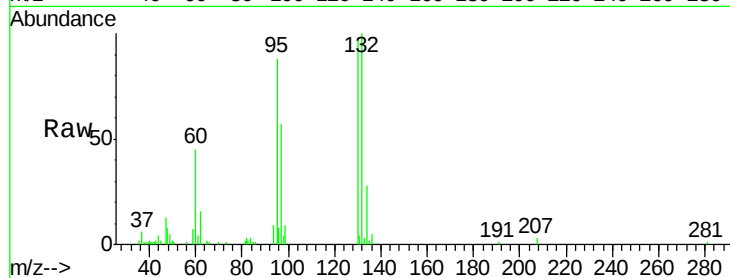
95 90.1 74.4 111.6

Manual Integrations

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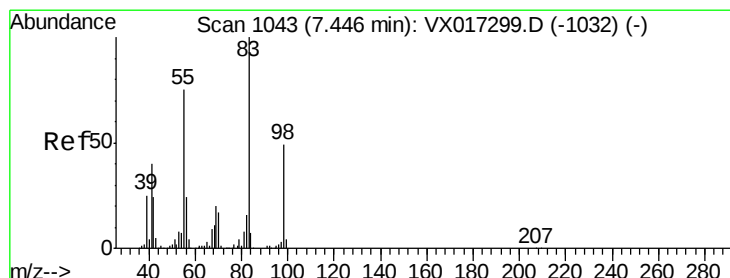
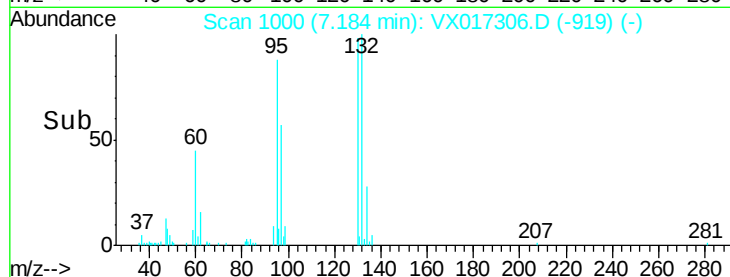
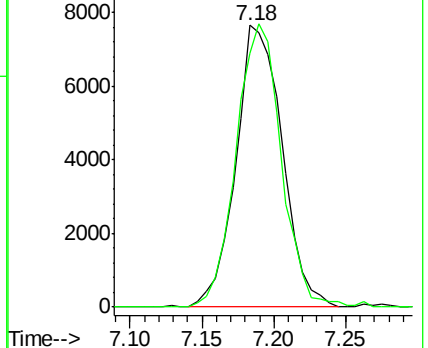
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 4.813 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

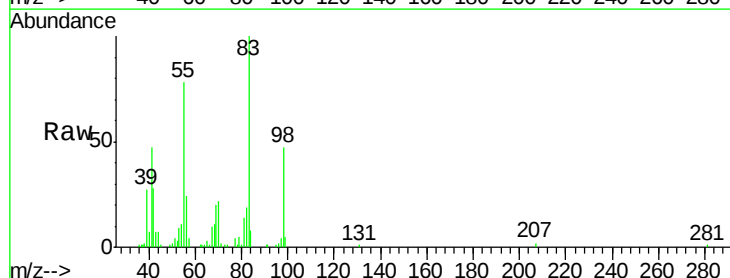
Tgt Ion: 83 Resp: 19688

Ion Ratio Lower Upper

83 100

55 78.0 39.0 117.0

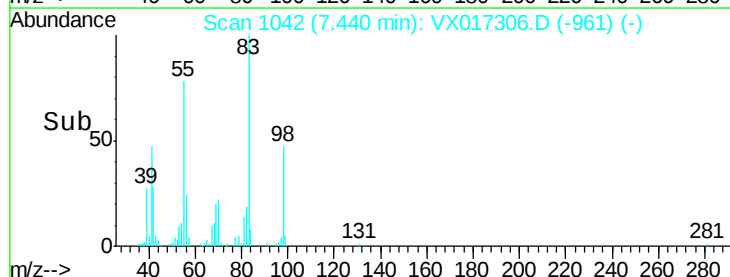
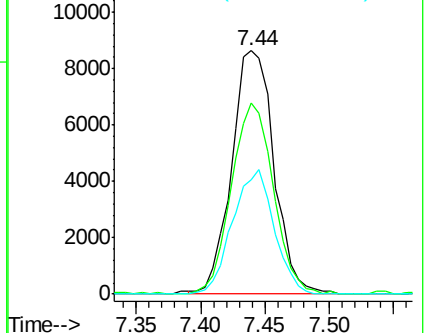
98 50.3 25.3 75.9

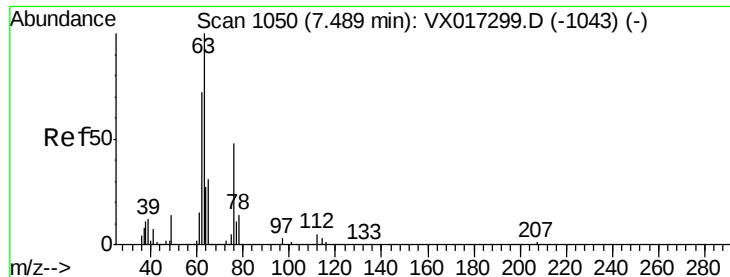


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#39

1,2-Dichloropropane

Concen: 5.041 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 15214

Ion Ratio Lower Upper

63 100

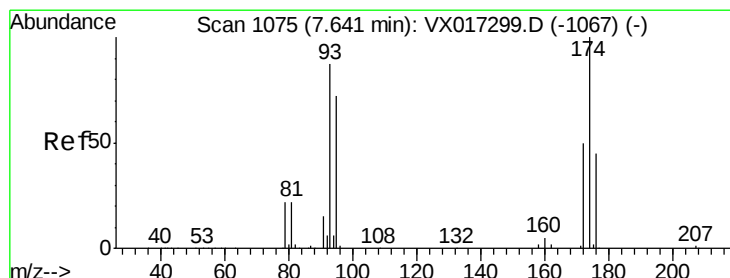
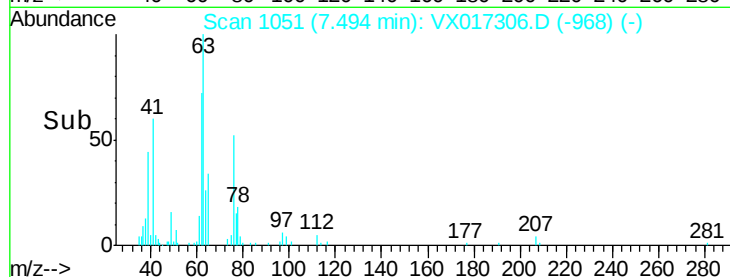
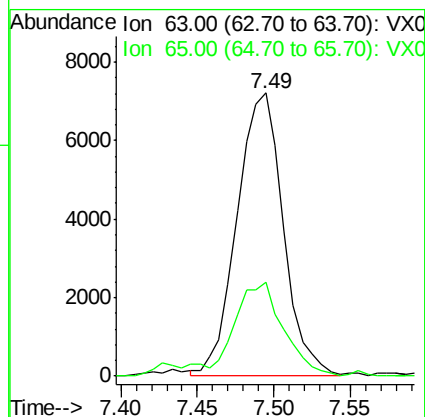
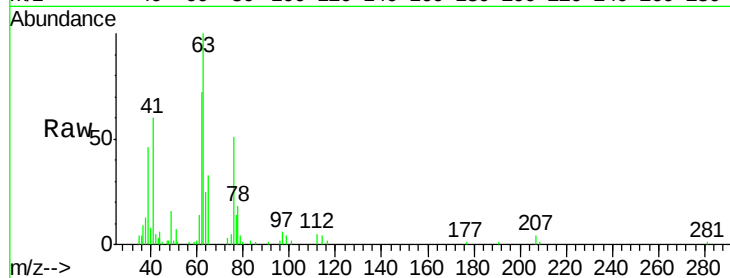
65 33.3 27.4 41.0

Manual Integrations

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#40

Dibromomethane

Concen: 5.117 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

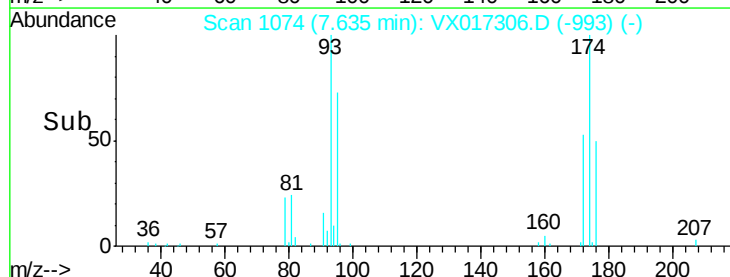
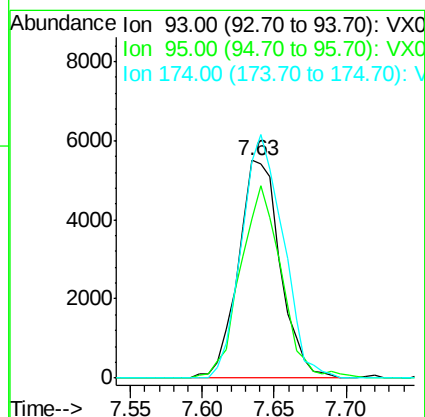
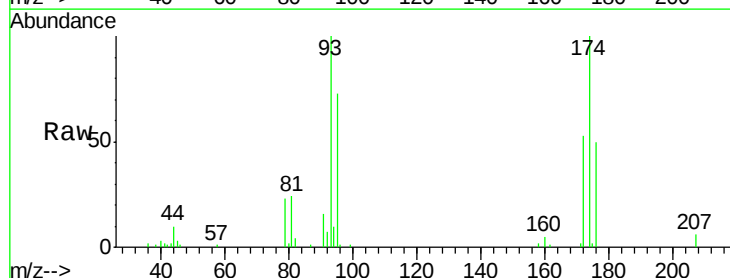
Tgt Ion: 93 Resp: 11127

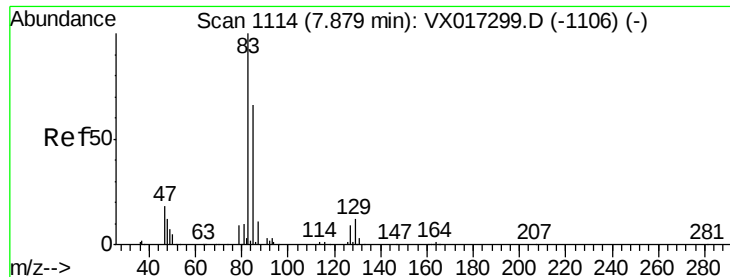
Ion Ratio Lower Upper

93 100

95 85.1 0.0 164.4

174 110.6 0.0 224.8





#41

Bromodichloromethane

Concen: 5.250 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

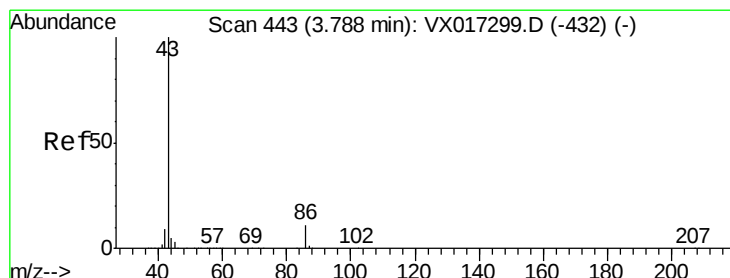
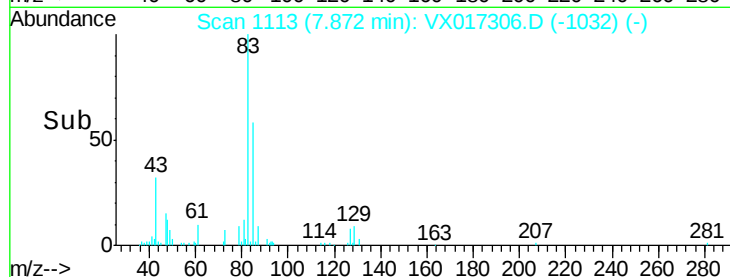
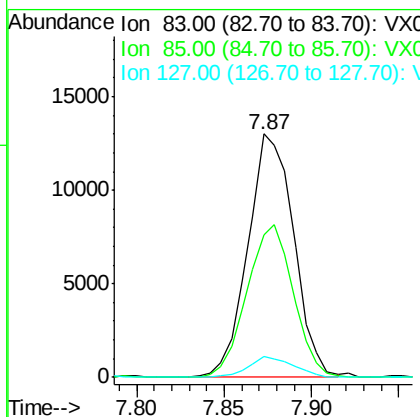
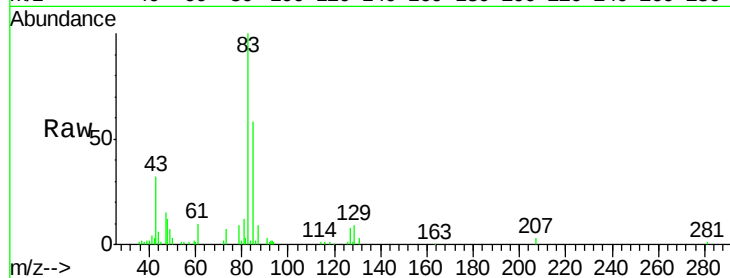
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	23824
Ion	Ratio	Lower	Upper
83	100		
85	58.4	53.1	79.7
127	8.4	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 24.037 ug/l

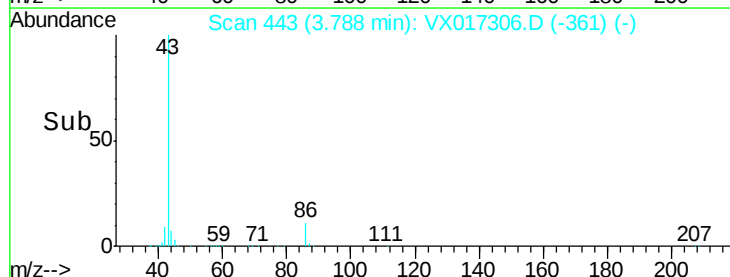
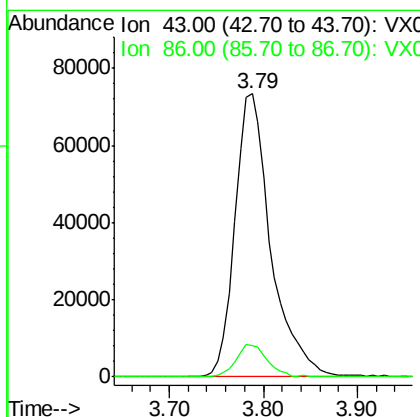
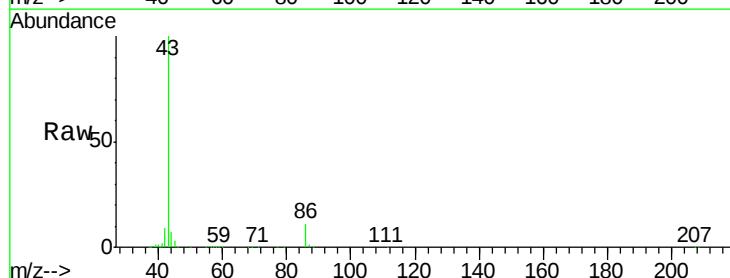
RT: 3.79 min Scan# 443

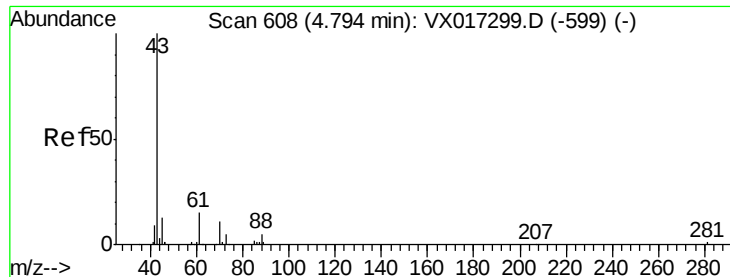
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	43	Resp:	195054
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.9	11.9





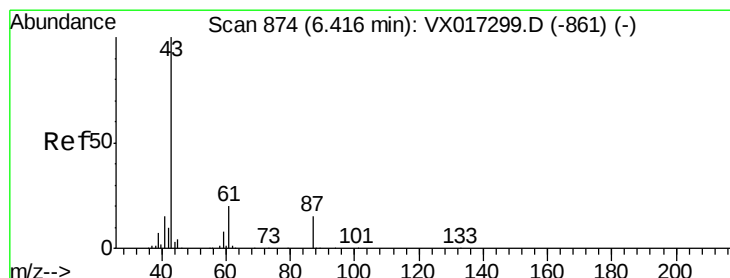
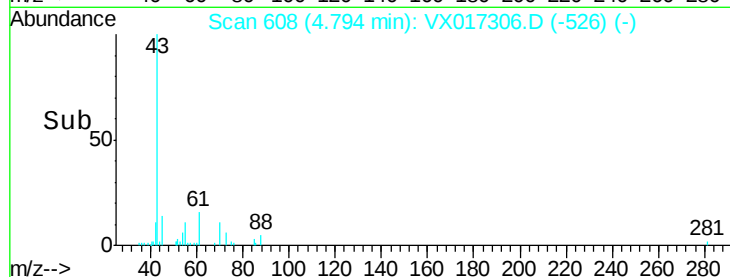
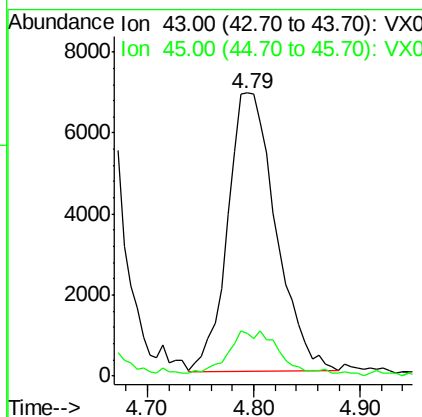
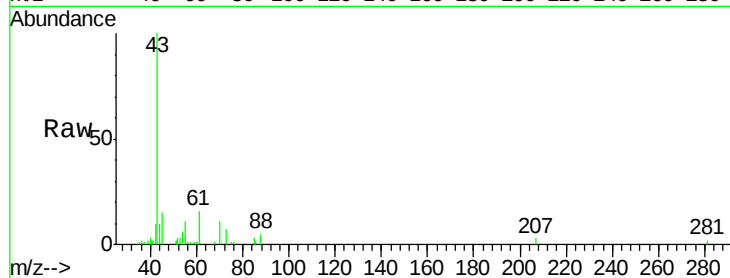
#43
Ethyl Acetate
Concen: 5.200 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
43	100		
45	8.3	12.1	18.1#

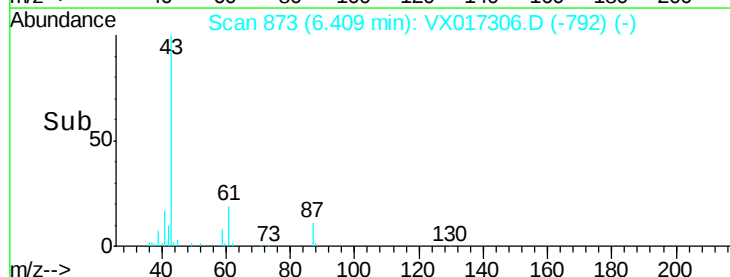
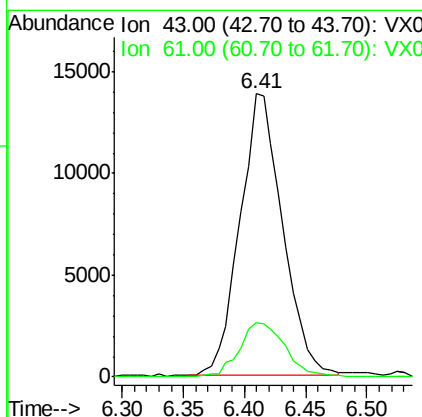
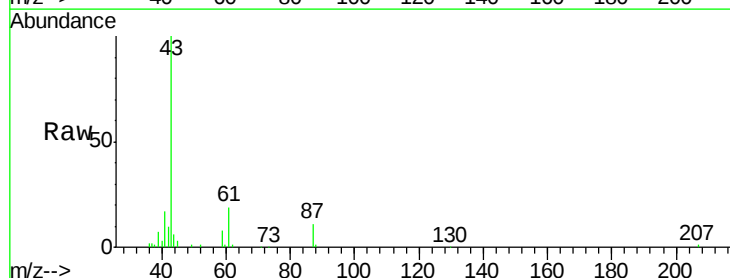
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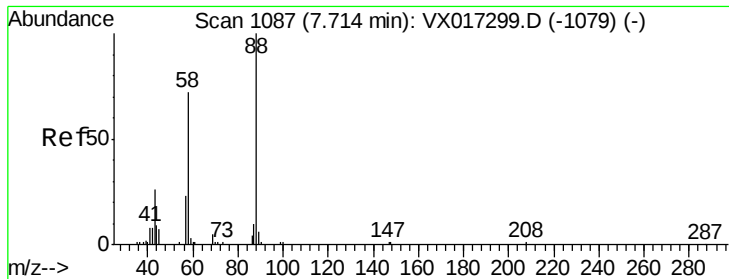
MMDadoda
7/10/2020 12:36:45 PM



#44
Isopropyl Acetate
Concen: 4.834 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.7	23.5





#45

1,4-Dioxane

Concen: 96.377 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

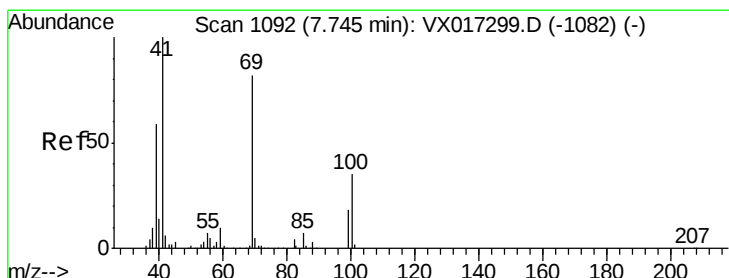
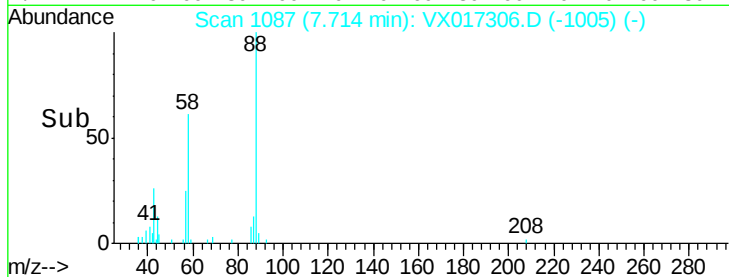
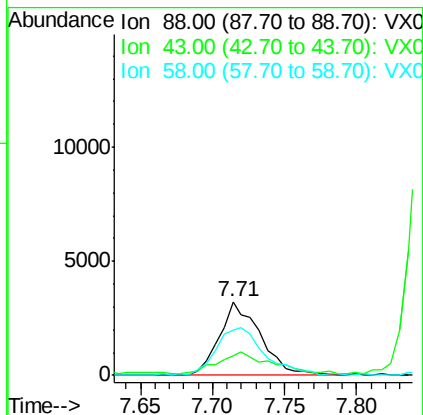
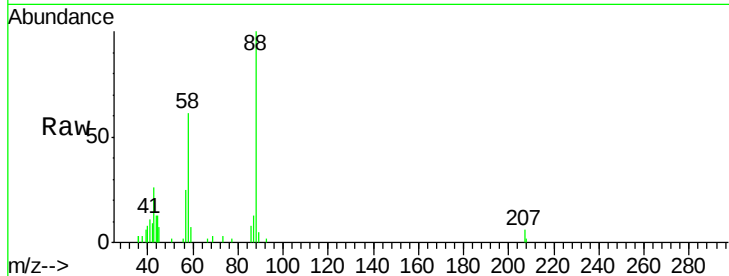
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	88	Resp:	6384
Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.0	43.4
58	75.0	58.3	87.5

Manual Integrations
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#46

Methyl methacrylate

Concen: 4.618 ug/l

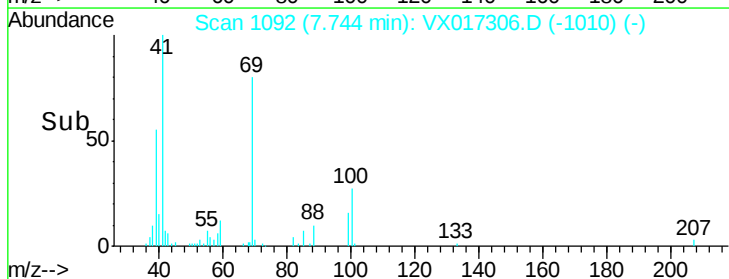
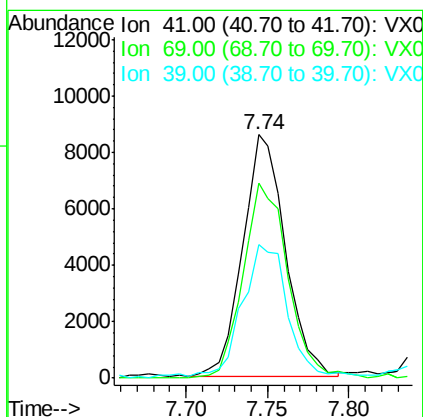
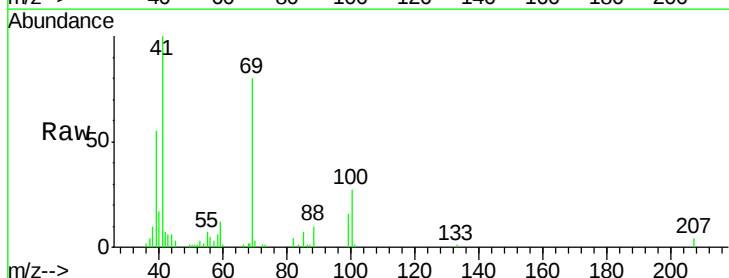
RT: 7.74 min Scan# 1092

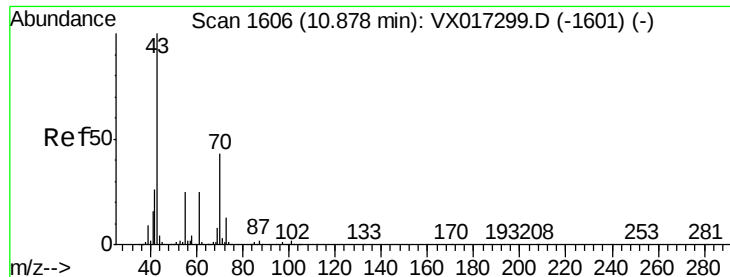
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	41	Resp:	15633
Ion	Ratio	Lower	Upper
41	100		
69	80.8	41.1	123.3
39	54.7	29.2	87.6





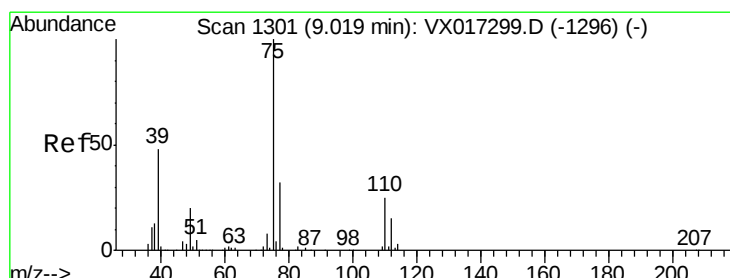
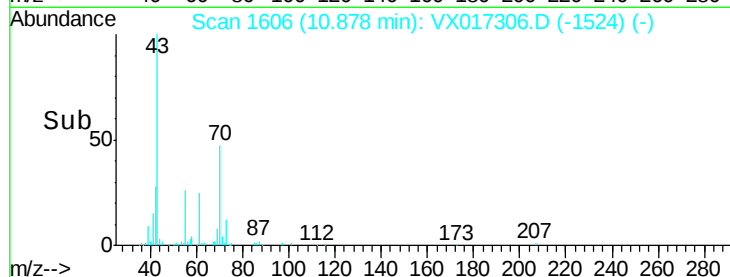
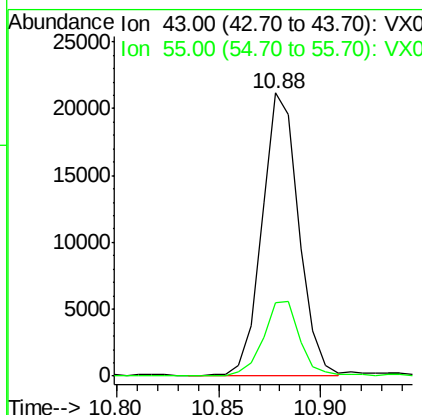
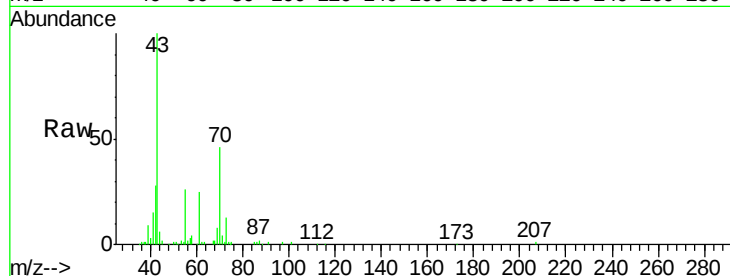
#47
n-amyl Acetate
Concen: 4.308 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion: 43 Resp: 26507
Ion Ratio Lower Upper
43 100
55 26.7 20.4 30.6

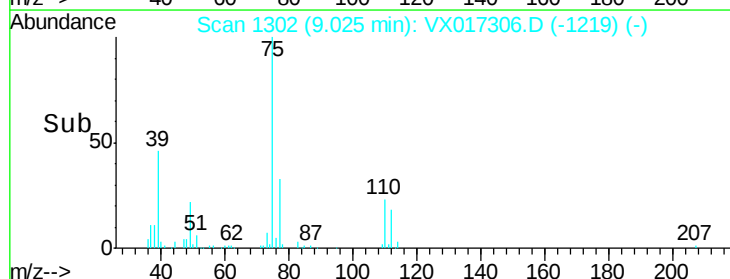
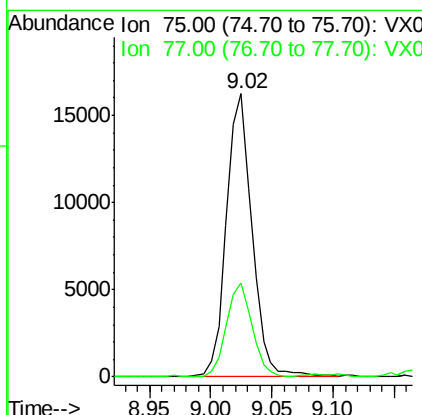
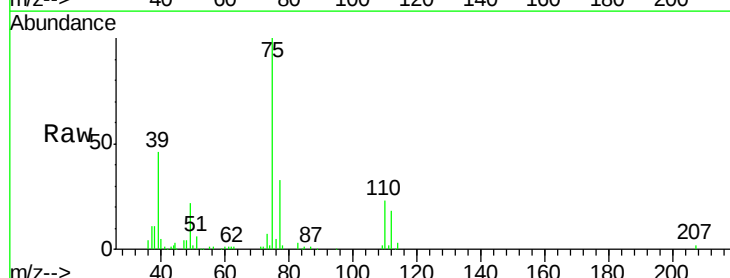
Manual Integrations
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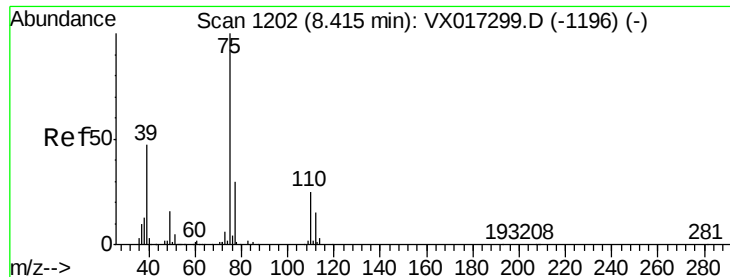
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 4.707 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion: 75 Resp: 23579
Ion Ratio Lower Upper
75 100
77 33.2 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 4.891 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

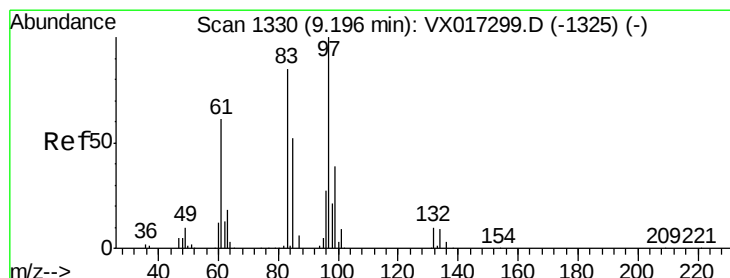
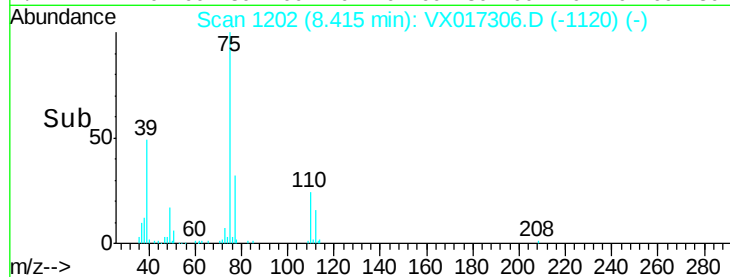
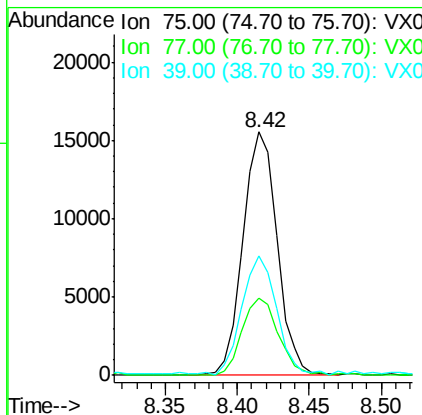
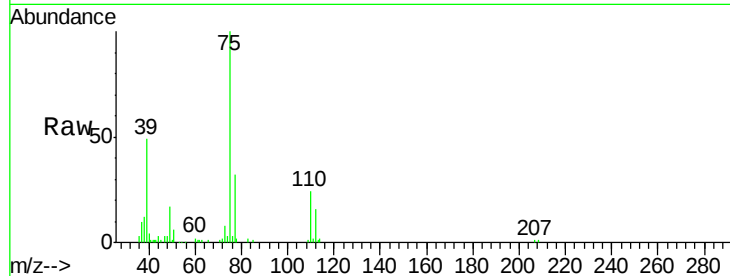
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	75	Resp:	25639
Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.6	35.4
39	48.8	37.5	56.3

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 5.087 ug/l

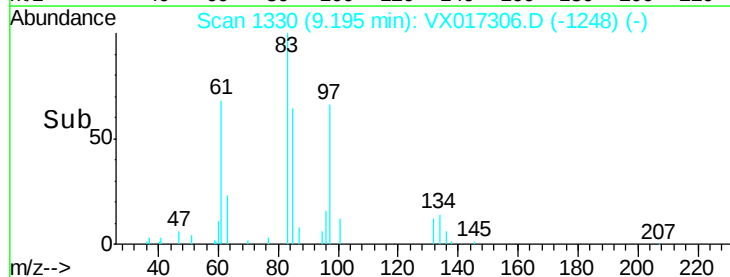
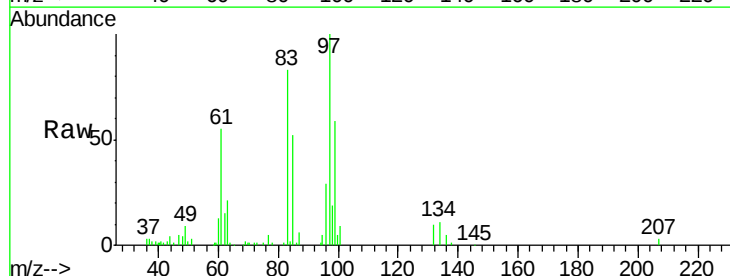
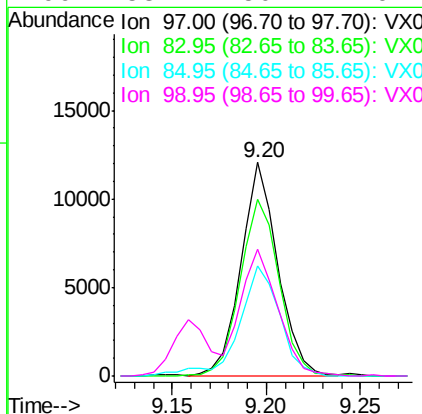
RT: 9.20 min Scan# 1330

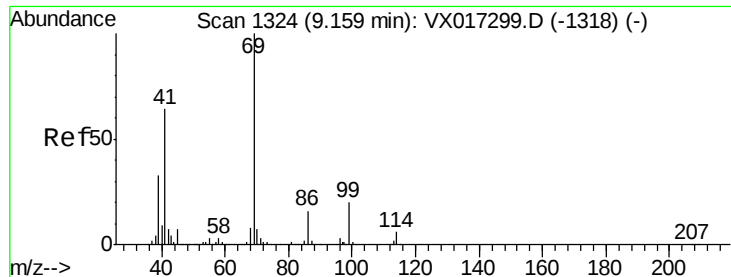
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	97	Resp:	16386
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.9	101.9
85	51.6	42.6	64.0
99	58.7	50.7	76.1





#51

Ethyl methacrylate

Concen: 4.391 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

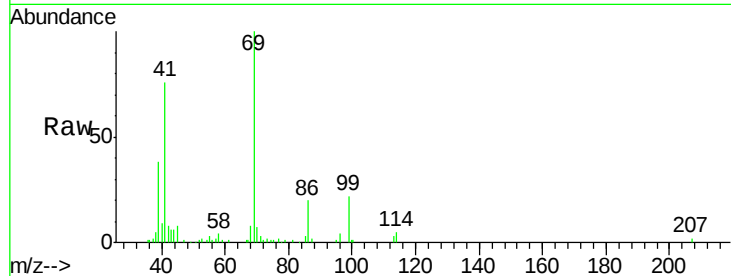
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

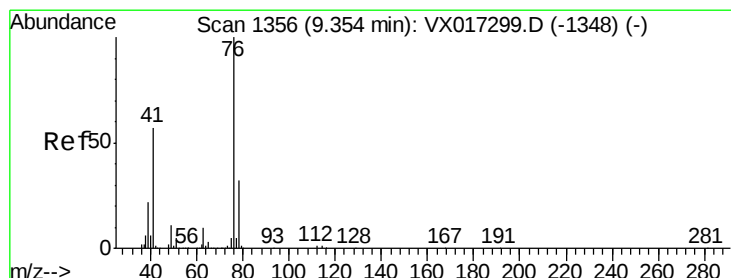
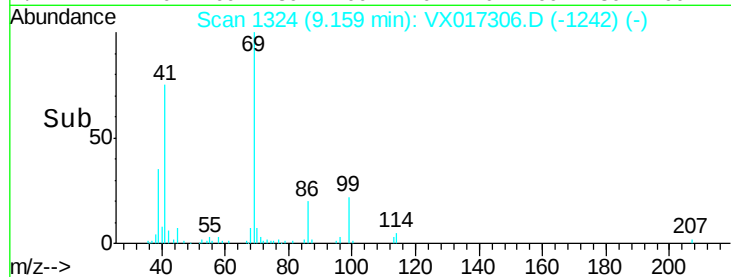
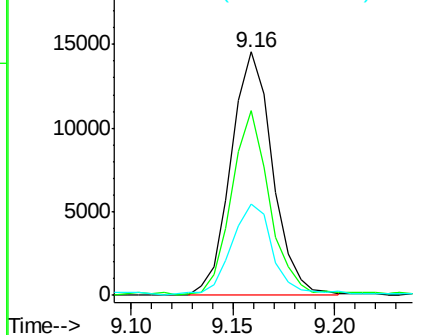
Tot Ion:	69	Resp:	20609
Ion Ratio	Lower	Upper	
69	100		
41	75.3	32.1	96.5
39	36.6	16.3	48.9

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Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 5.082 ug/l

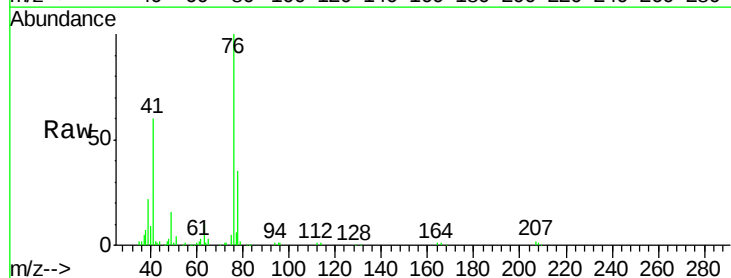
RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

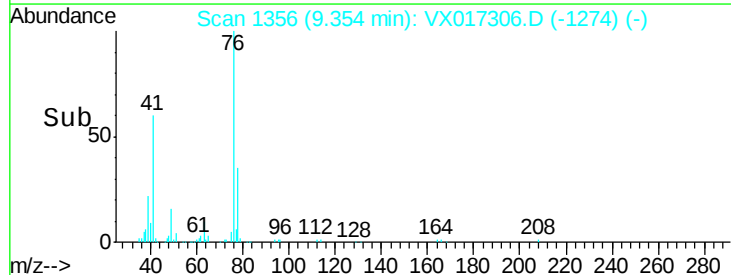
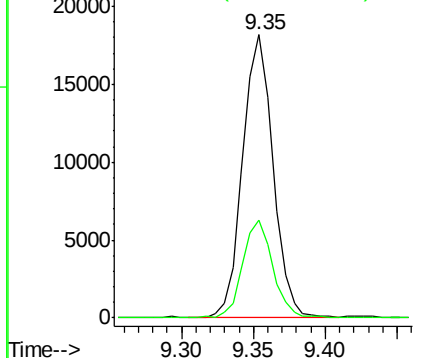
Lab File: VX017306.D

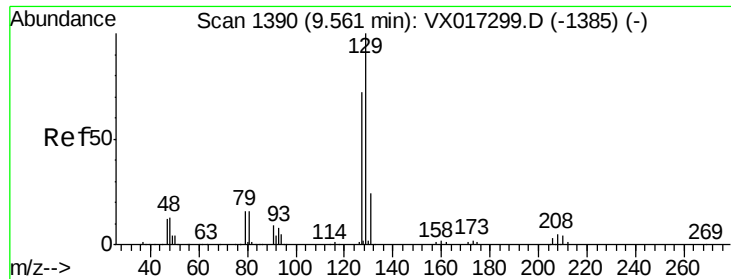
Acq: 09 Jul 2020 14:40

Tgt Ion:	76	Resp:	26666
Ion Ratio	Lower	Upper	
76	100		
78	33.8	0.0	65.6



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 4.993 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:129 Resp: 19633

Ion Ratio Lower Upper

129 100

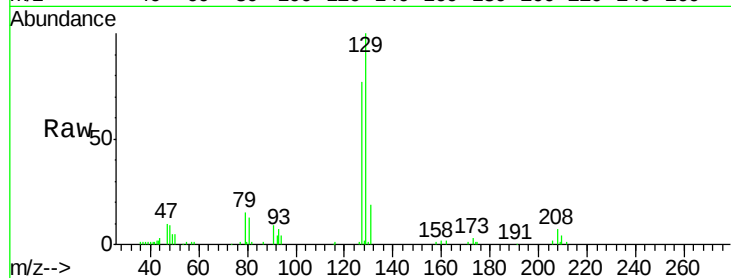
127 76.6 37.5 112.5

Manual Integrations

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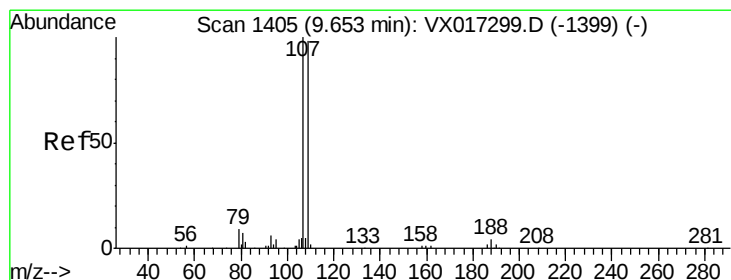
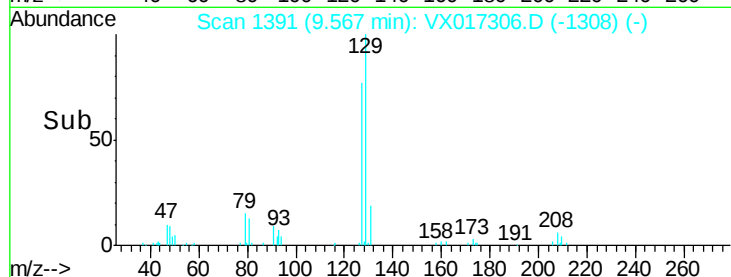
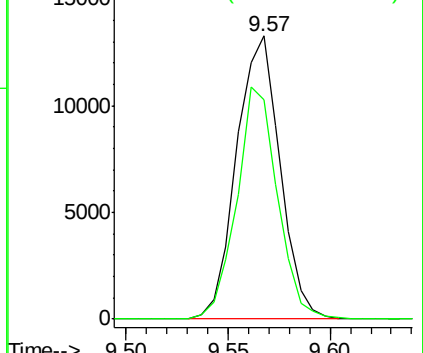
MMDadoda

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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: 4.988 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017306.D

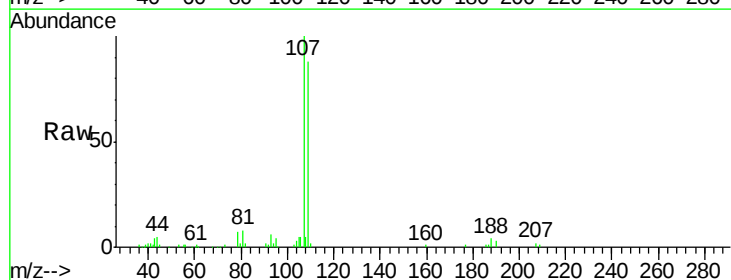
Acq: 09 Jul 2020 14:40

Tgt Ion:107 Resp: 17181

Ion Ratio Lower Upper

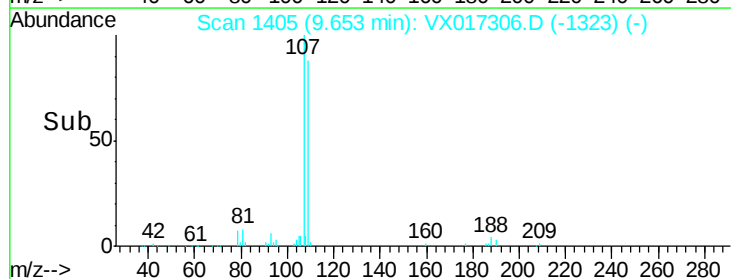
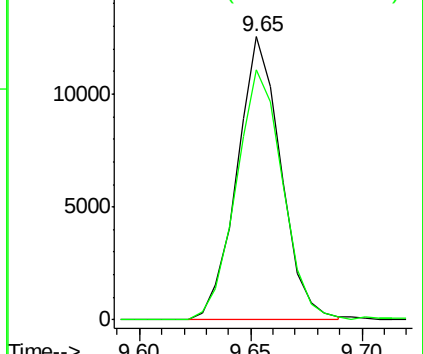
107 100

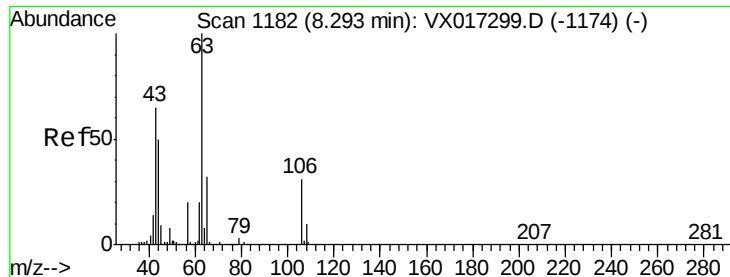
109 93.8 76.9 115.3



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: 26.748 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 58405

Ion Ratio Lower Upper

63 100

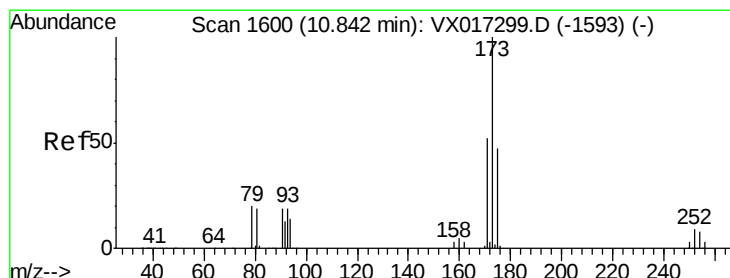
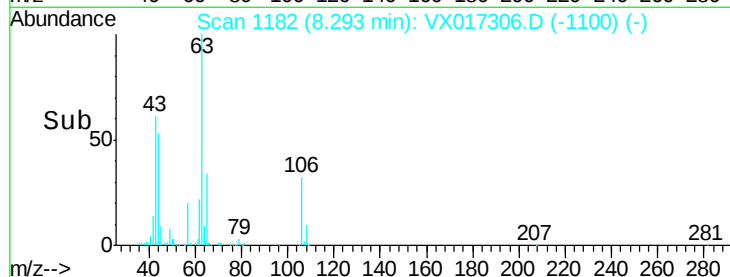
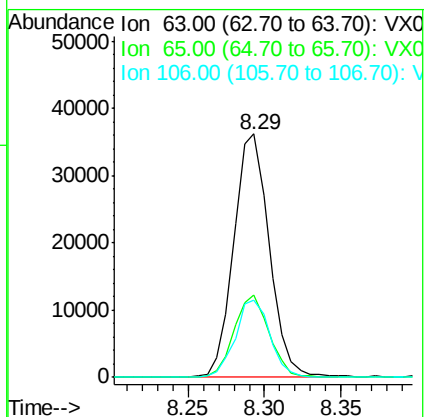
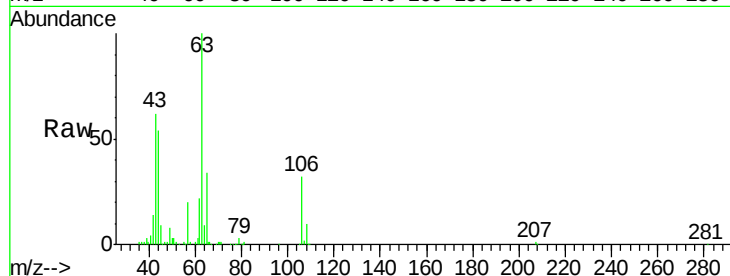
65 33.4 25.4 38.0

106 31.2 24.5 36.7

Manual Integrations
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#56

Bromoform

Concen: 4.641 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

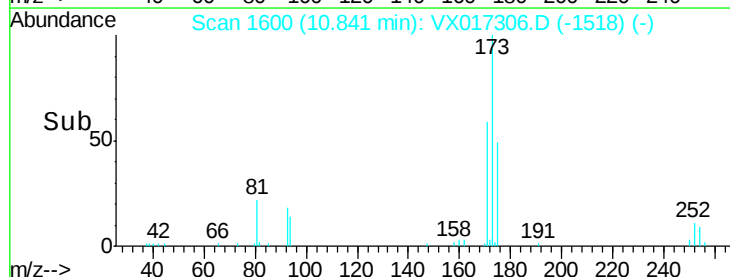
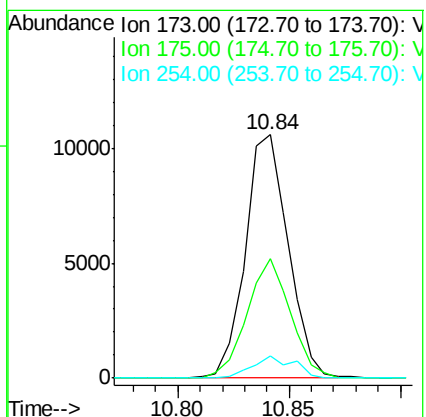
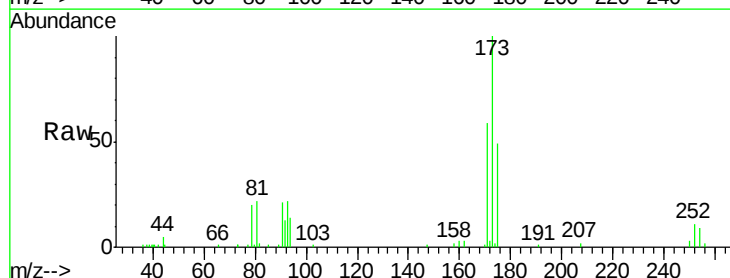
Tgt Ion: 173 Resp: 14237

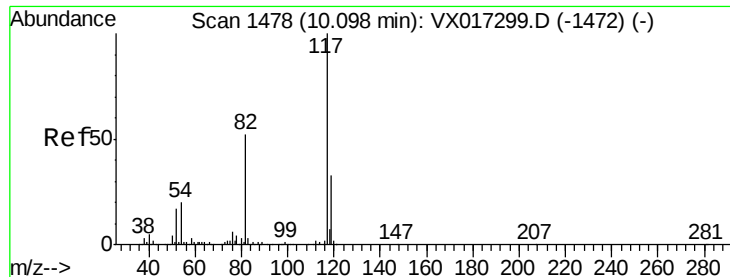
Ion Ratio Lower Upper

173 100

175 49.3 38.4 57.6

254 8.7 7.0 10.4





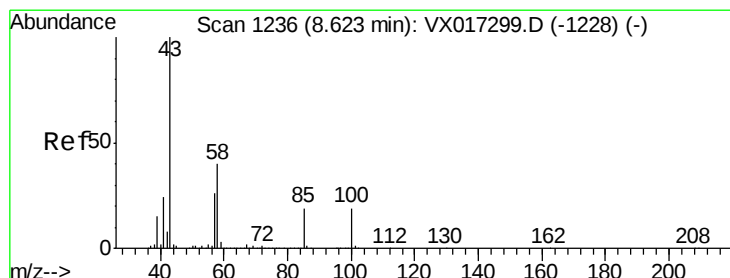
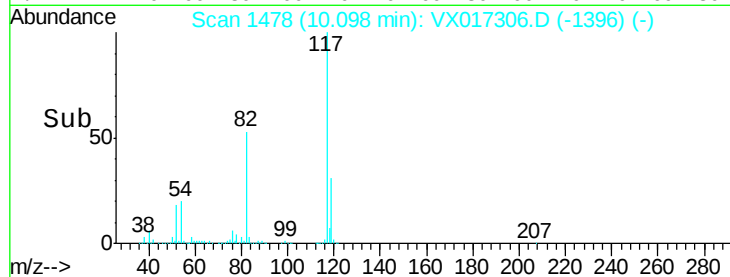
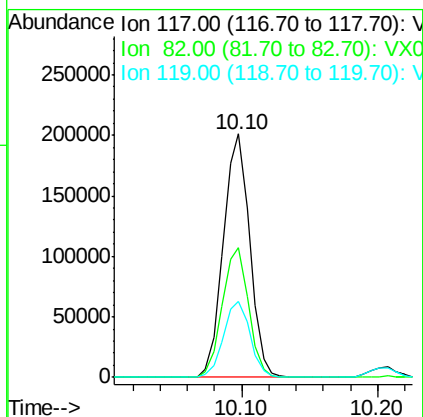
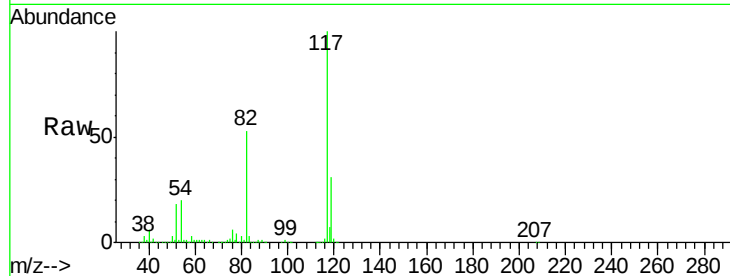
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269406		
82	53.1	42.2	63.4	
119	31.5	26.4	39.6	

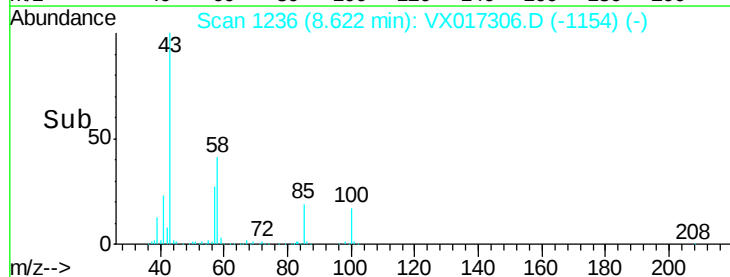
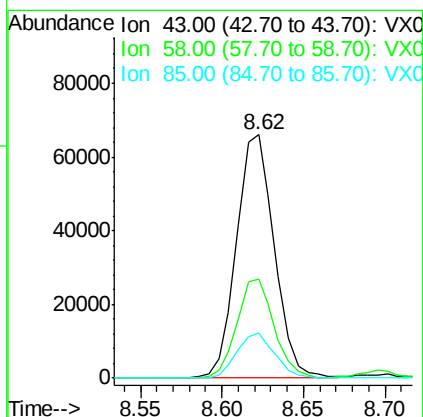
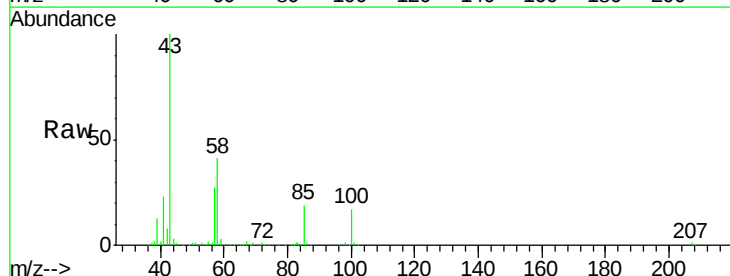
Manual Integrations
APPROVED

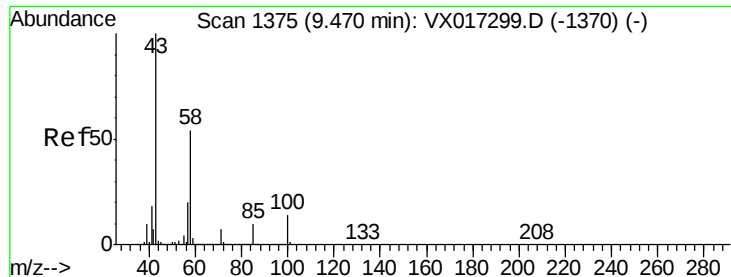
MMDadoda
7/10/2020 12:36:45 PM



#58
4-Methyl-2-Pentanone
Concen: 24.862 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	106129		
58	40.2	32.2	48.2	
85	18.7	14.8	22.2	





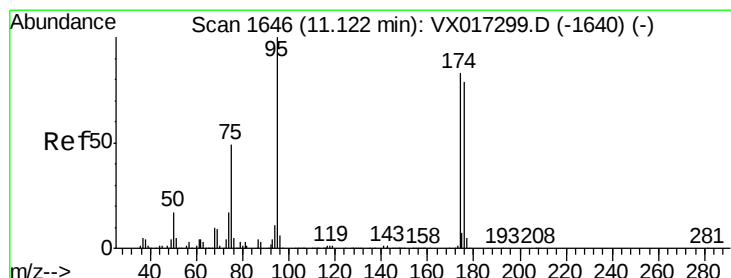
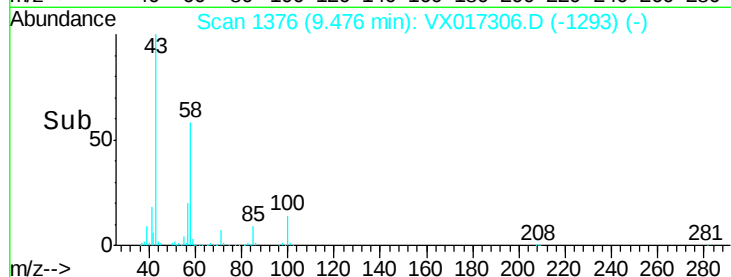
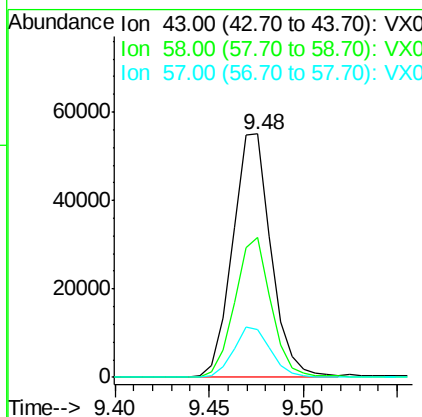
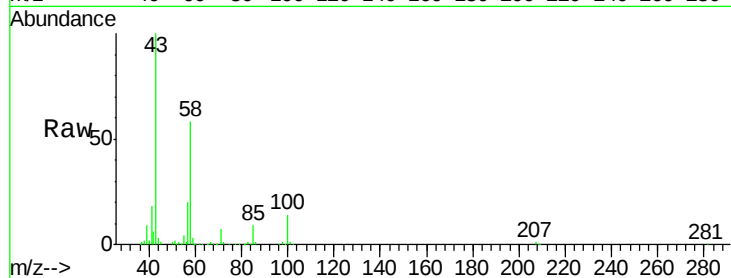
#59
2-Hexanone
Concen: 23.963 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.4	65.0
57	20.0	15.1	22.7

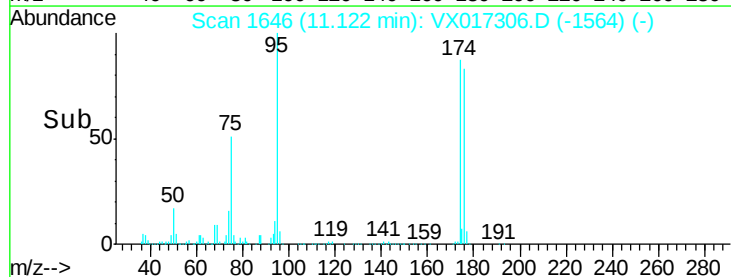
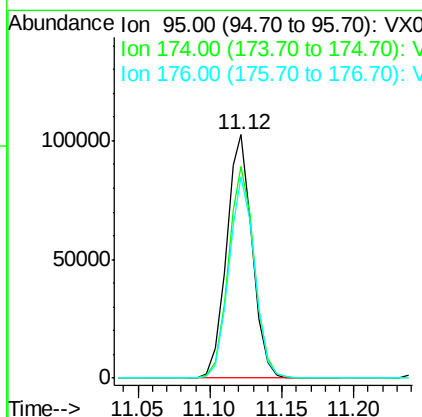
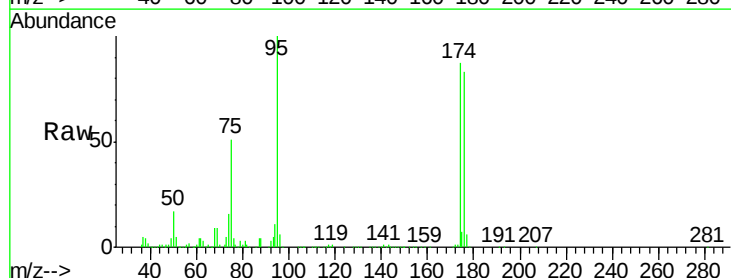
Manual Integrations
APPROVED

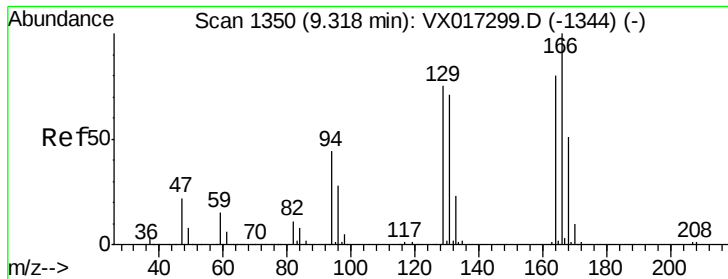
MMDadoda
7/10/2020 12:36:45 PM



#60
4-Bromofluorobenzene
Concen: 27.945 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.5	66.9	100.3
176	82.6	65.5	98.3





#61

Tetrachloroethene

Concen: 5.340 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

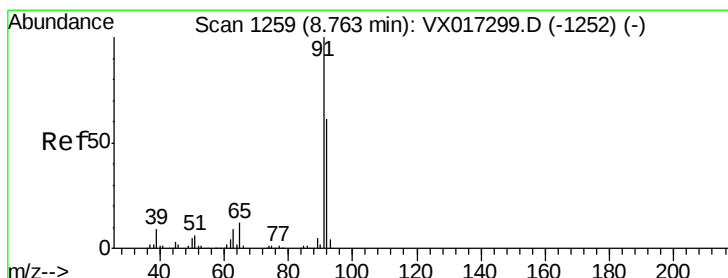
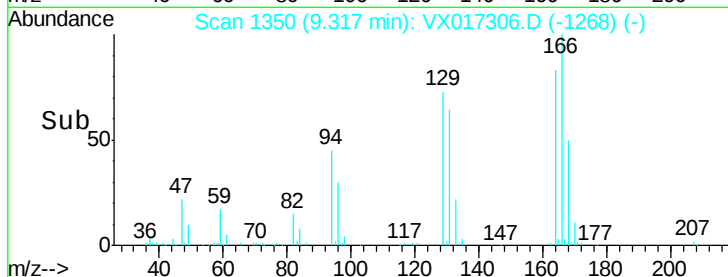
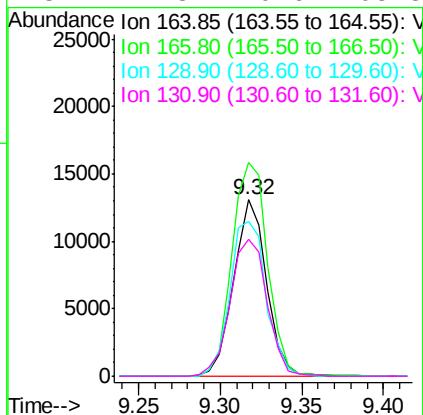
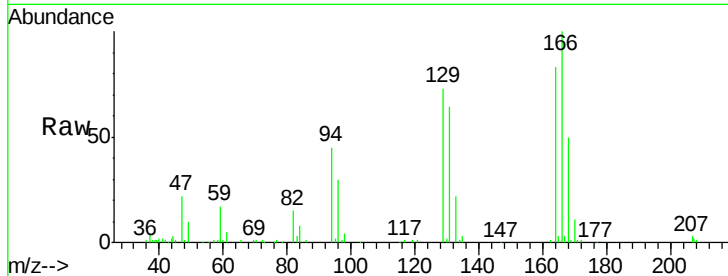
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	164	Resp:	18327
Ion	Ratio	Lower	Upper
164	100		
166	121.2	99.8	149.6
129	88.2	74.4	111.6
131	77.8	70.6	105.8

Manual Integrations
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#62

Toluene

Concen: 5.111 ug/l

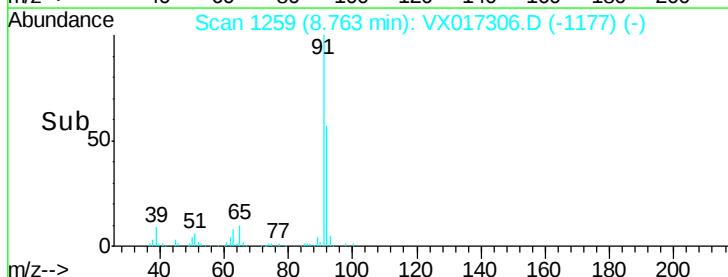
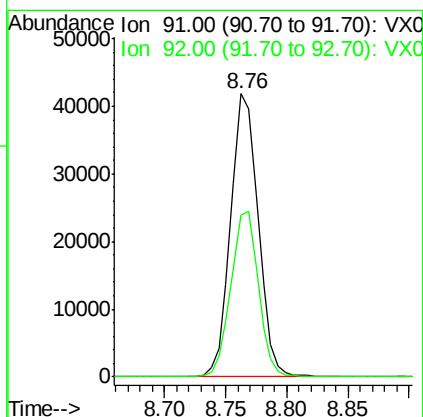
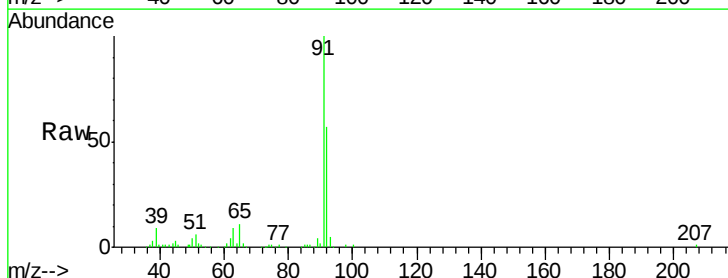
RT: 8.76 min Scan# 1259

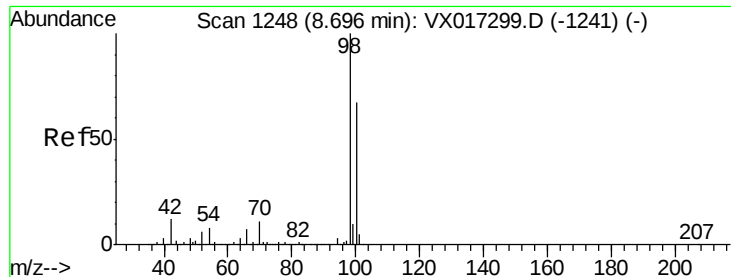
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	91	Resp:	65191
Ion	Ratio	Lower	Upper
91	100		
92	58.5	47.2	70.8





#63

Toluene-d8

Concen: 29.935 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 98 Resp: 341136

Ion Ratio Lower Upper

98 100

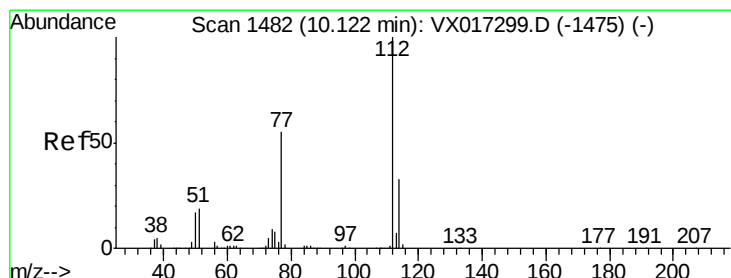
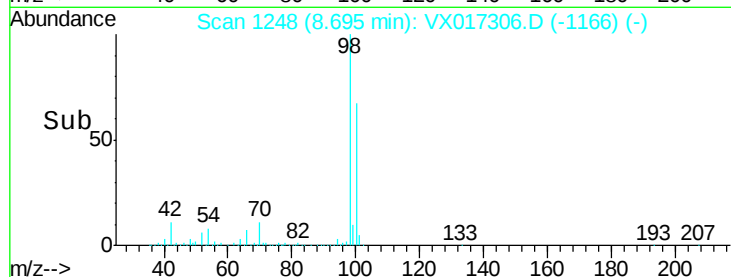
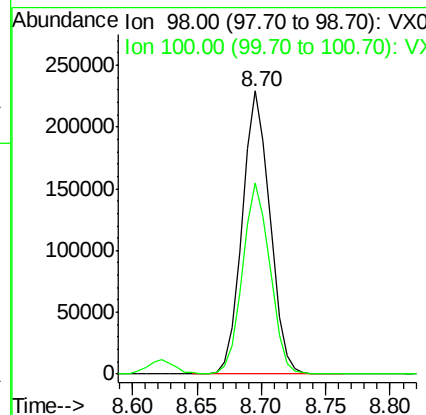
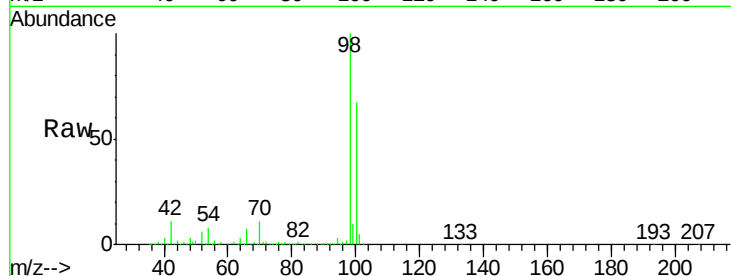
100 67.0 52.8 79.2

Manual Integrations

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#64

Chlorobenzene

Concen: 5.022 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017306.D

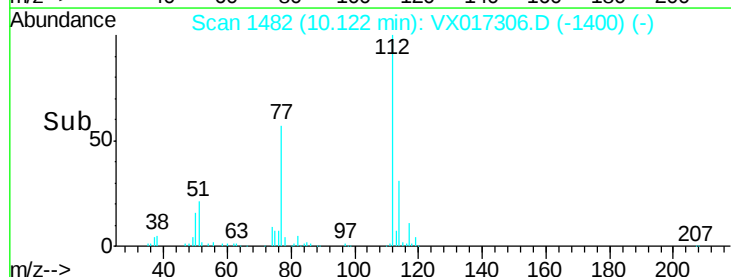
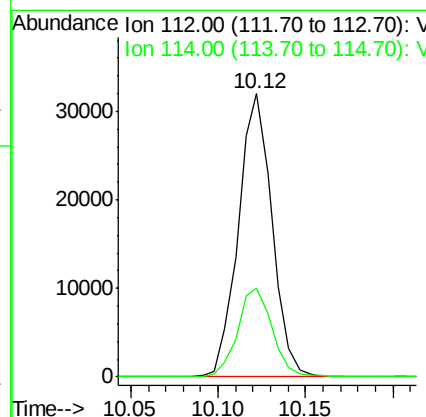
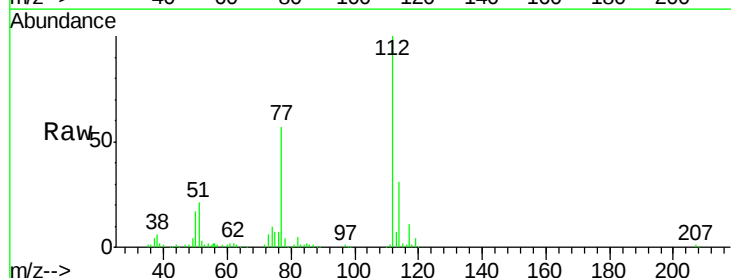
Acq: 09 Jul 2020 14:40

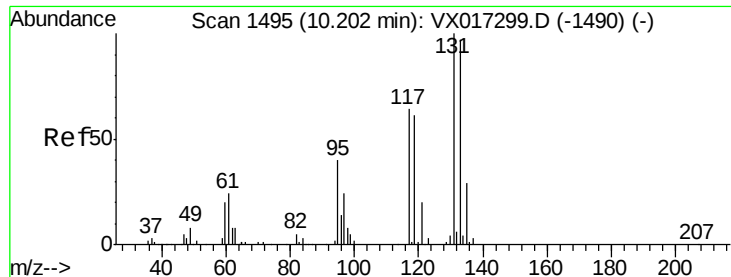
Tgt Ion: 112 Resp: 42734

Ion Ratio Lower Upper

112 100

114 31.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.025 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

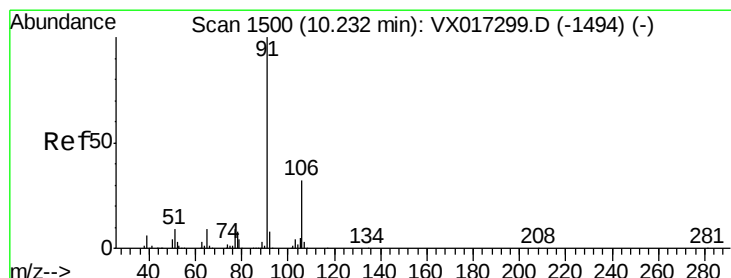
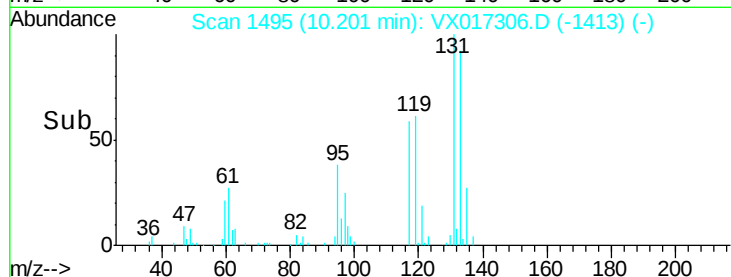
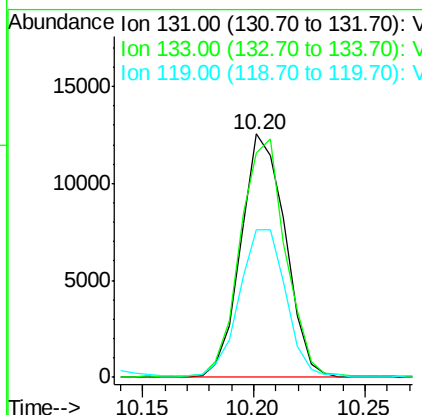
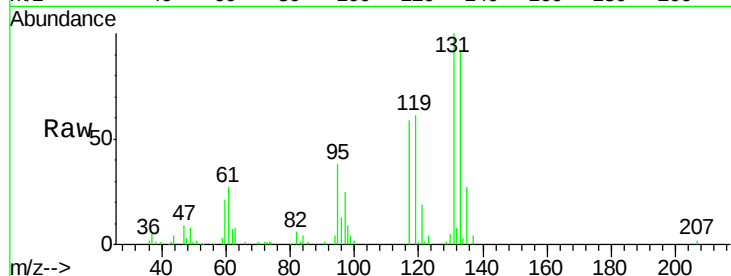
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	131	Resp:	17470
Ion Ratio	Lower	Upper	
131	100		
133	100.5	0.0	196.8
119	64.1	0.0	126.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 4.763 ug/l

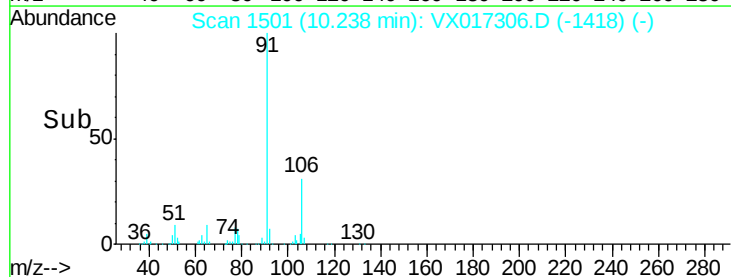
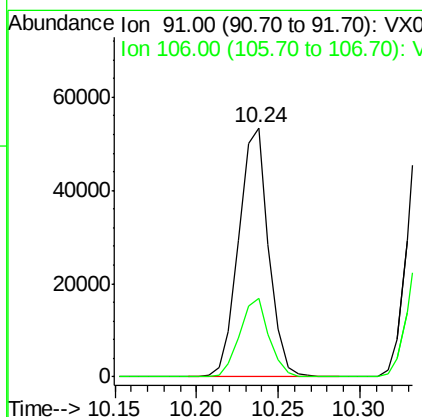
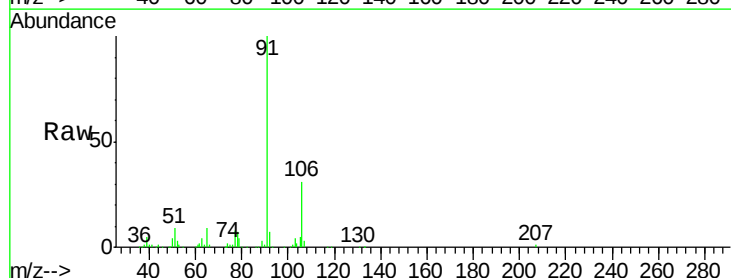
RT: 10.24 min Scan# 1501

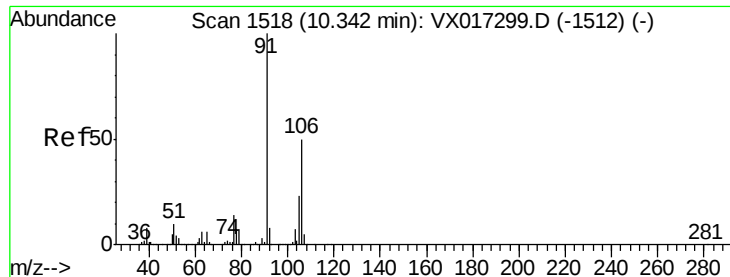
Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	91	Resp:	68367
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.2	37.8





#67

m/p-Xylenes

Concen: 9.577 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:106 Resp: 53099

Ion Ratio Lower Upper

106 100

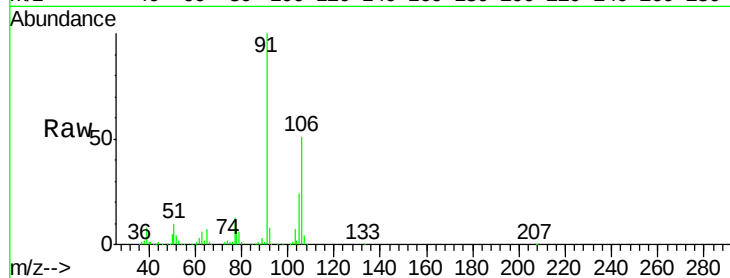
91 198.3 159.7 239.5

Manual Integrations

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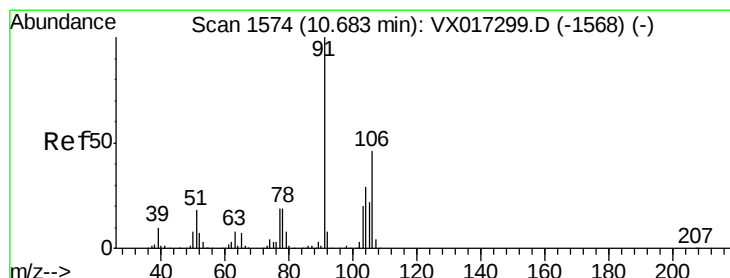
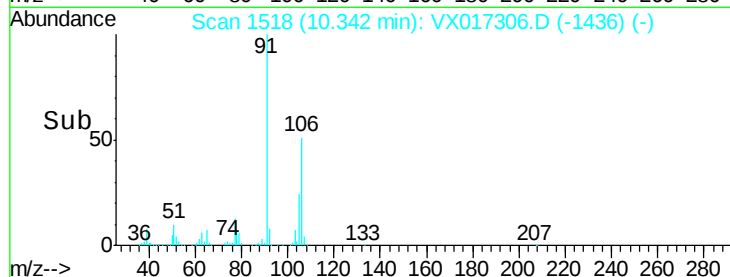
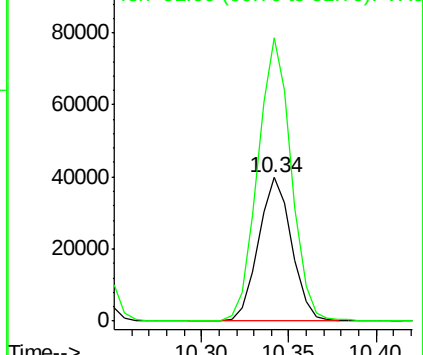
MMDadoda

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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: 4.841 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017306.D

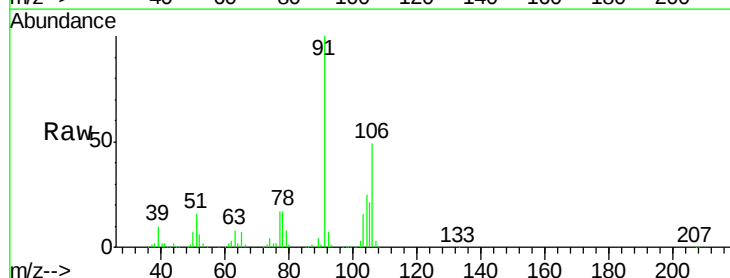
Acq: 09 Jul 2020 14:40

Tgt Ion:106 Resp: 25507

Ion Ratio Lower Upper

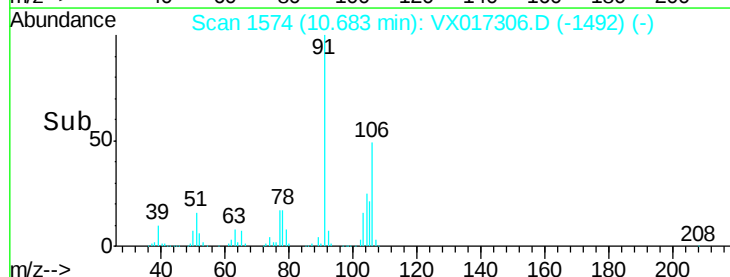
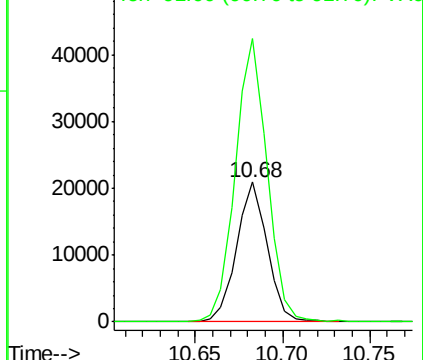
106 100

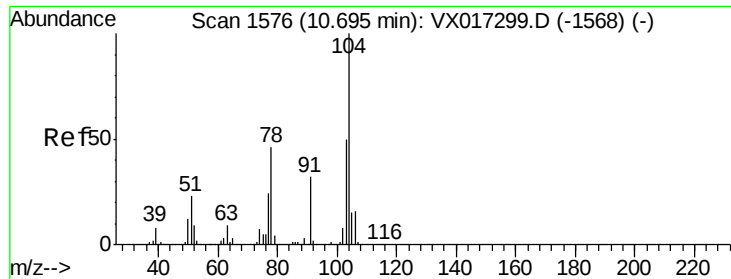
91 209.2 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





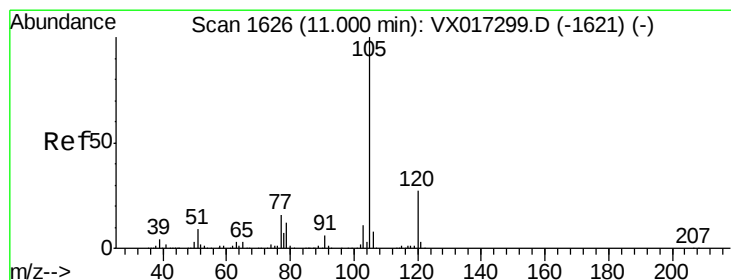
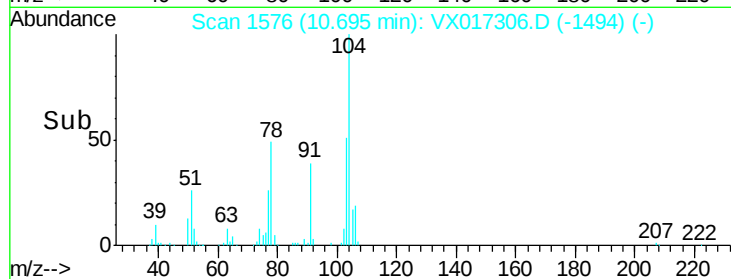
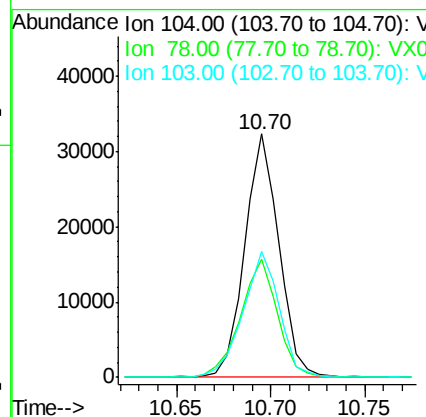
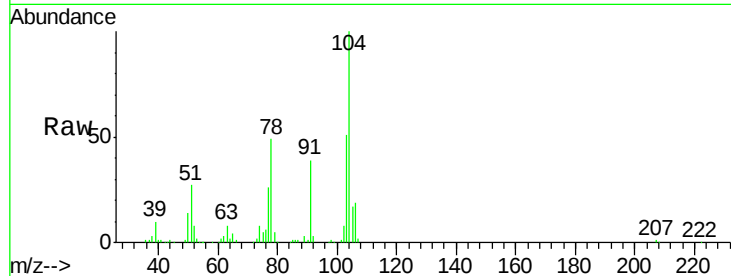
#69
Stvrene
Concen: 4.343 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Resp	Lower	Upper
104	100	40581		
78	53.1		40.8	61.2
103	55.4		44.3	66.5

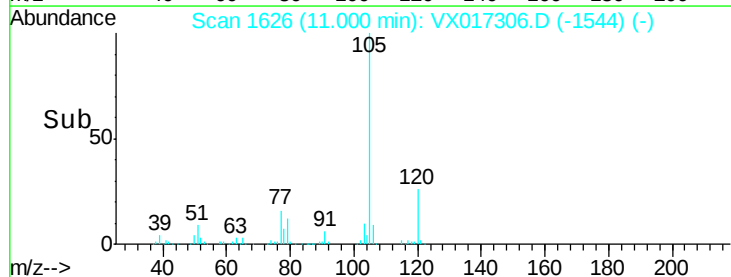
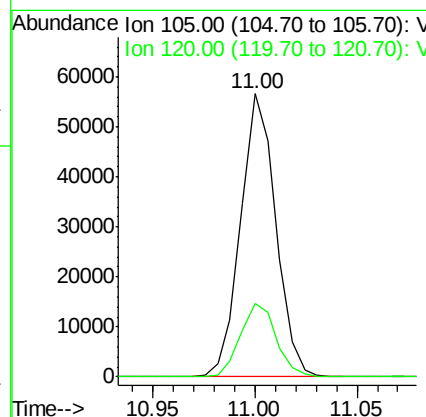
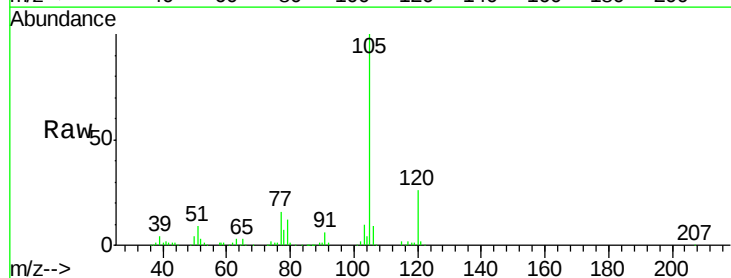
Manual Integrations
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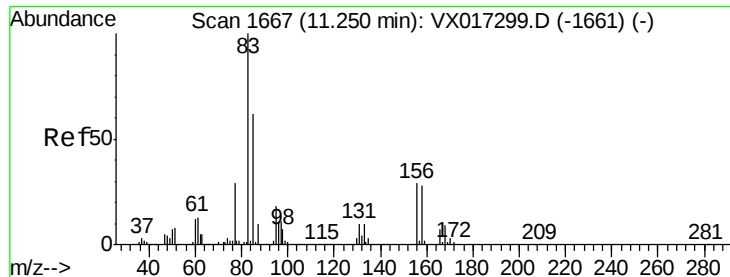
MMDadoda
7/10/2020 12:36:45 PM



#70
Isopropylbenzene
Concen: 4.685 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	67719		
120	26.4		19.3	35.8





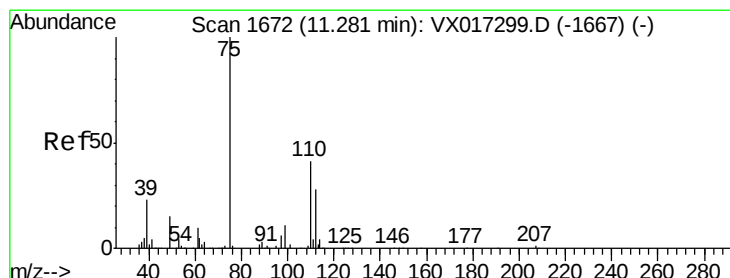
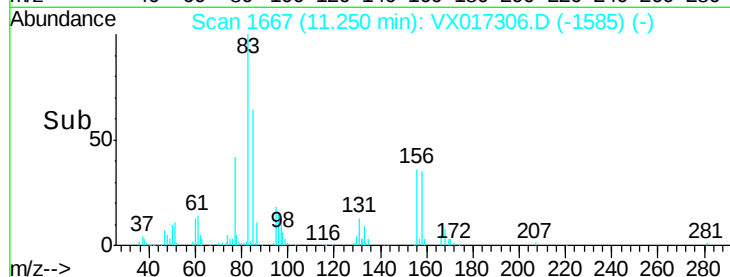
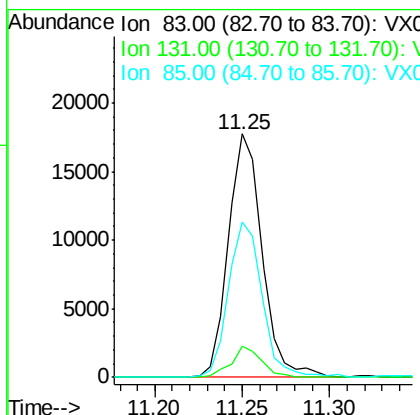
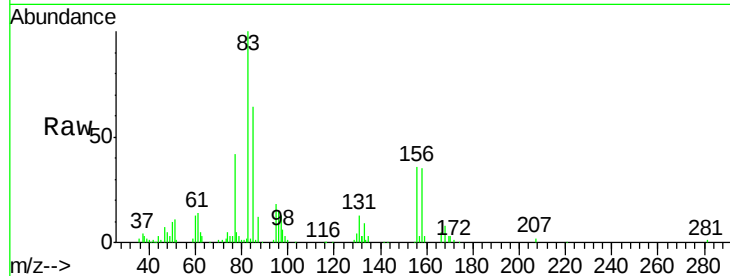
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.256 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

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

Tot Ion	83	Resp	23826
Ion Ratio	100	Lower	Upper
83	100		
131	11.6	5.5	16.5
85	63.7	31.5	94.5

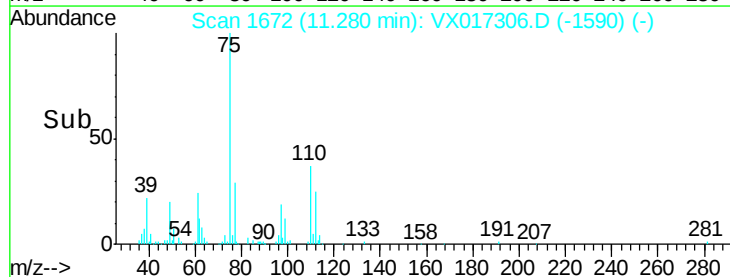
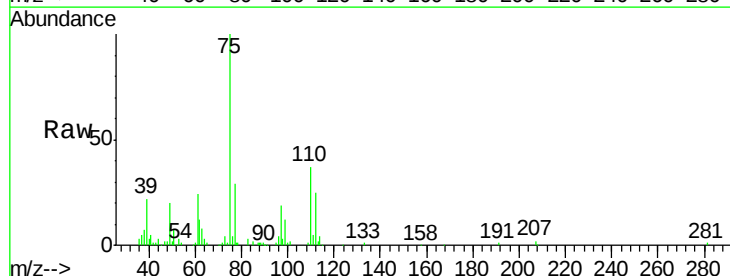
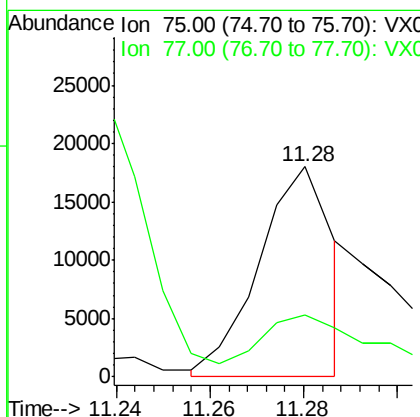
Manual Integrations
 APPROVED

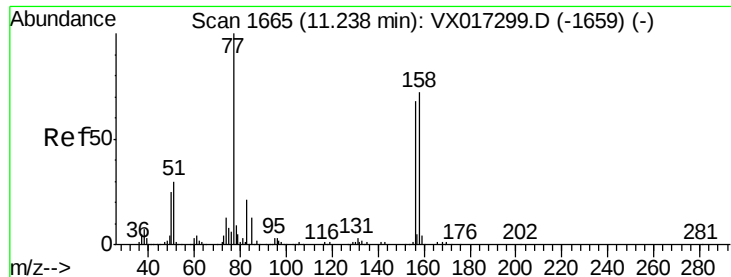
MMDadoda
 7/10/2020 12:36:45 PM



#72
 1,2,3-Trichloropropane
 Concen: 4.427 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

Tgt Ion	75	Resp	19712
Ion Ratio	100	Lower	Upper
75	100		
77	45.8	0.0	72.2





#73

Bromobenzene

Concen: 5.257 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

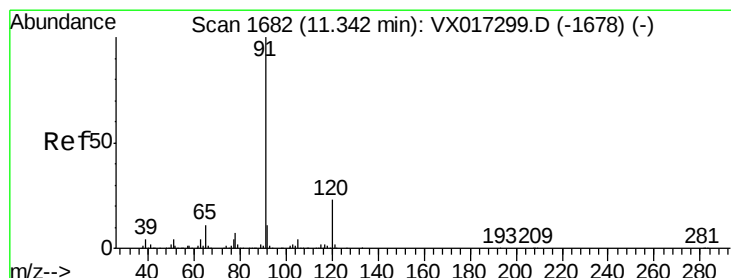
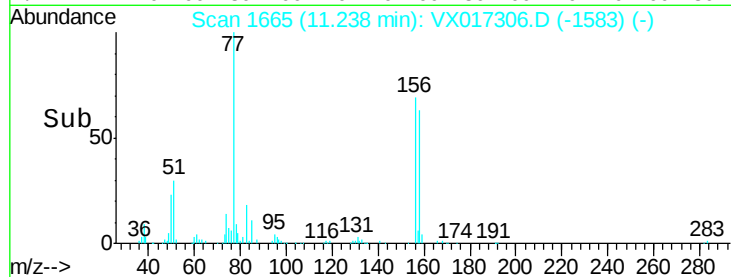
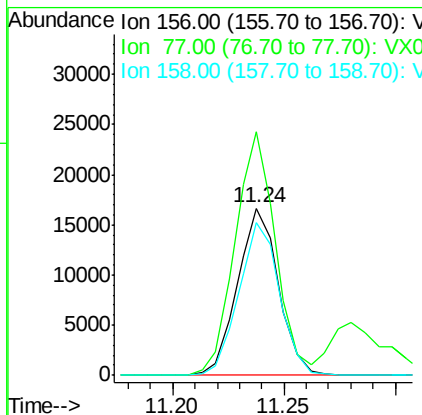
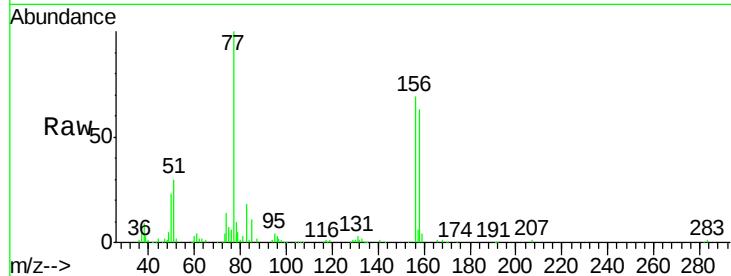
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	156	Resp:	21349
Ion Ratio	Lower	Upper	
156	100		
77	143.1	0.0	299.2
158	90.4	0.0	199.0

Manual Integrations
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#74

n-propylbenzene

Concen: 4.724 ug/l

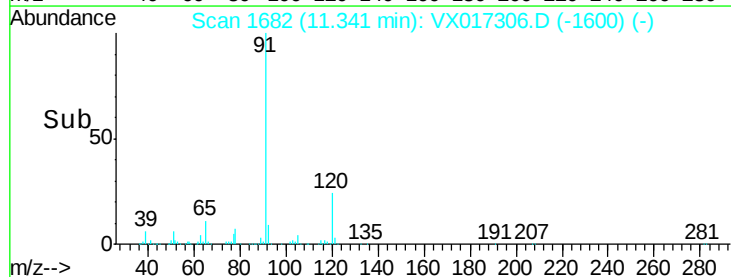
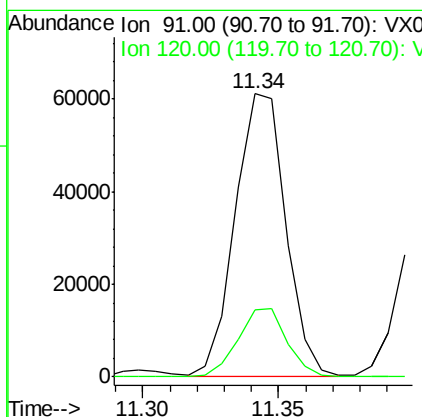
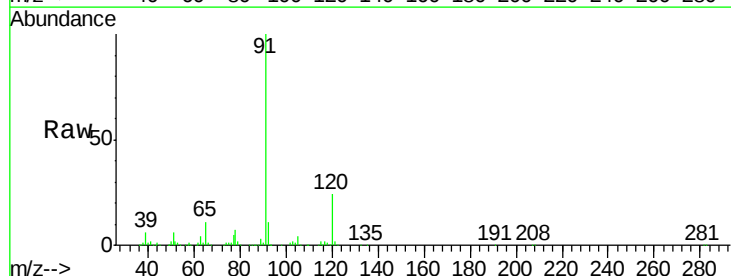
RT: 11.34 min Scan# 1682

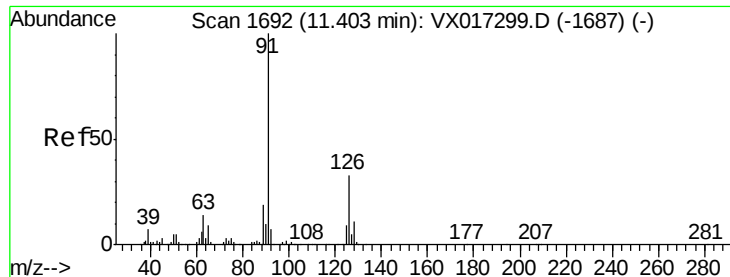
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	91	Resp:	79098
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	48.4





#75

2-Chlorotoluene

Concen: 4.998 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 51018

Ion Ratio Lower Upper

91 100

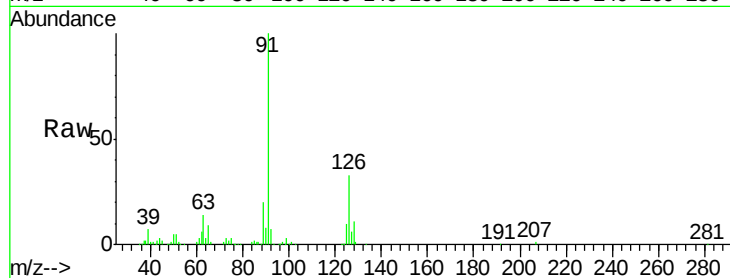
126 34.6 0.0 68.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX017299.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX017299.D (-1687) (-)

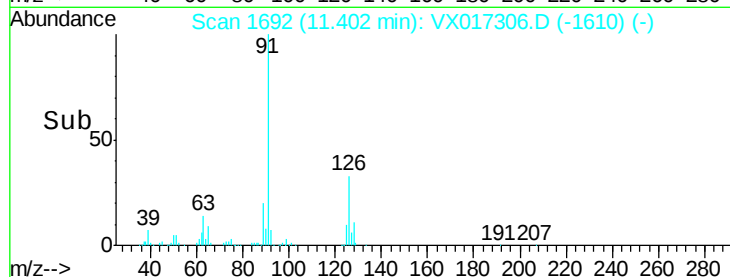
60000

40000

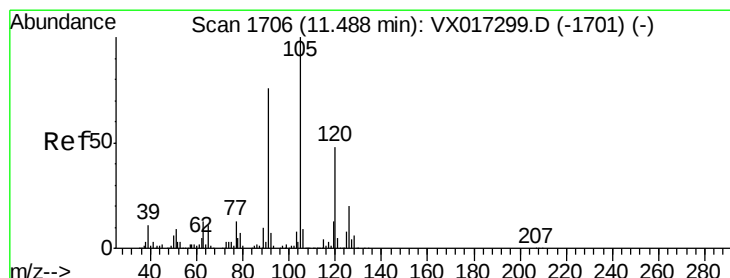
20000

0

11.35 11.40 11.45



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 4.697 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX017306.D

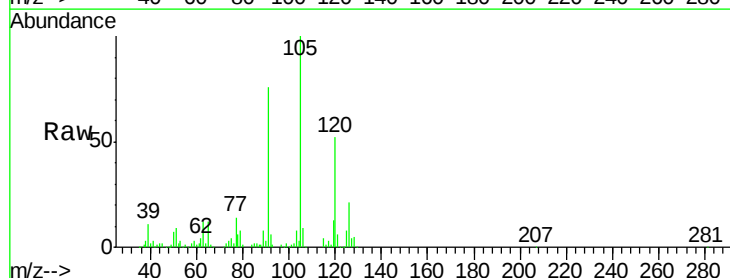
Acq: 09 Jul 2020 14:40

Tgt Ion: 105 Resp: 58245

Ion Ratio Lower Upper

105 100

120 49.4 0.0 98.8



Abundance Ion 105.00 (104.70 to 105.70): VX017299.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX017299.D (-1701) (-)

50000

40000

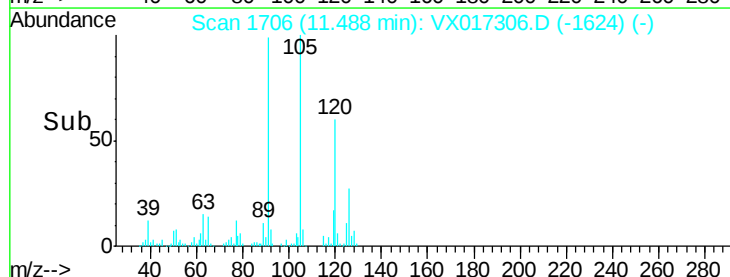
30000

20000

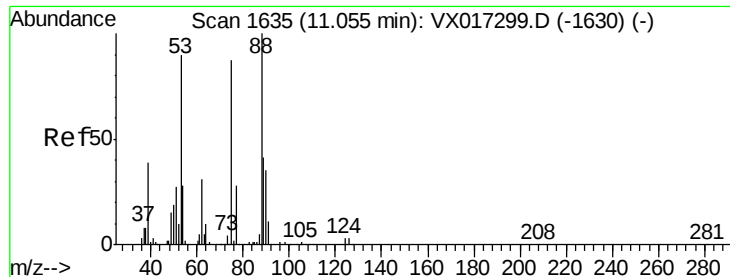
10000

0

11.45 11.50 11.55



Time-->



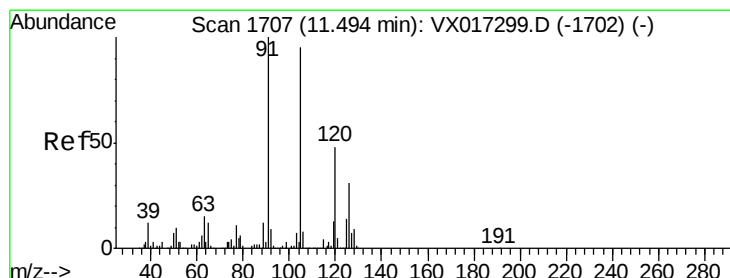
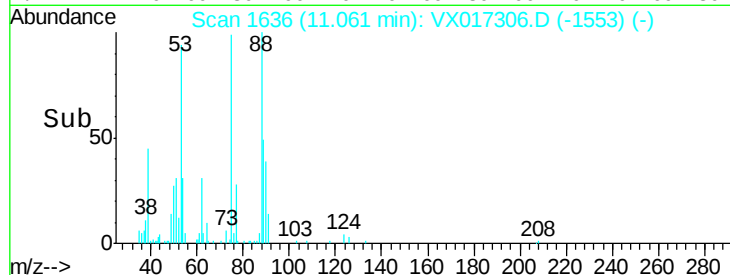
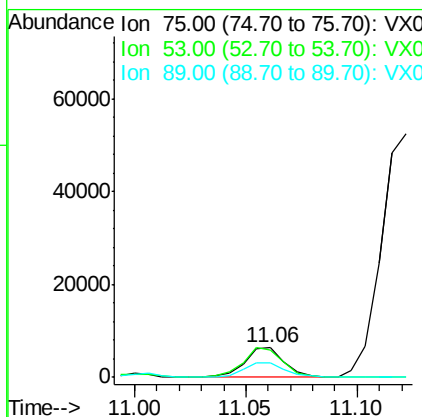
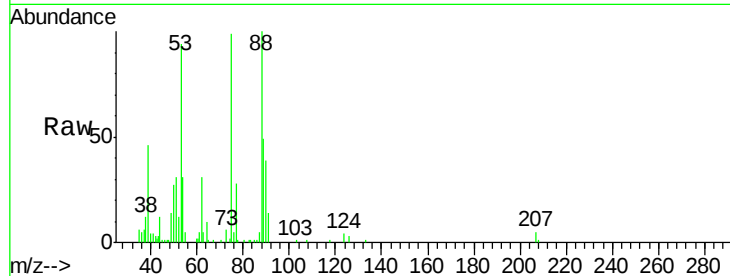
#77
t-1,4-Dichloro-2-butene
Concen: 4.753 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.2	52.1	156.3
89	49.8	23.7	71.1

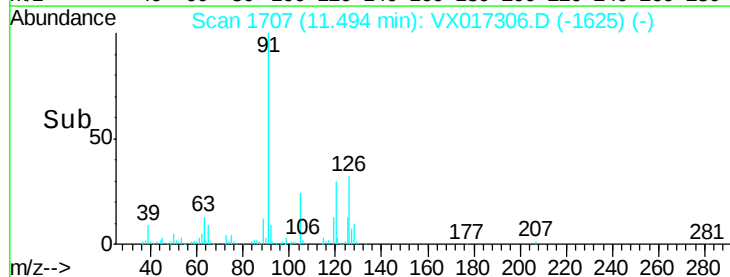
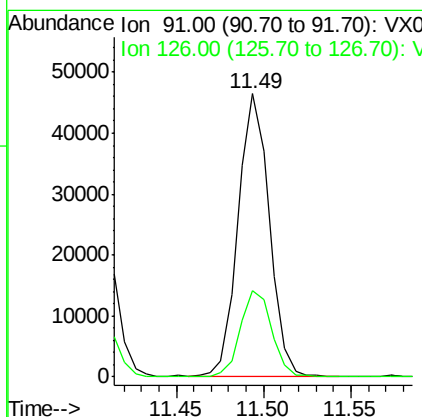
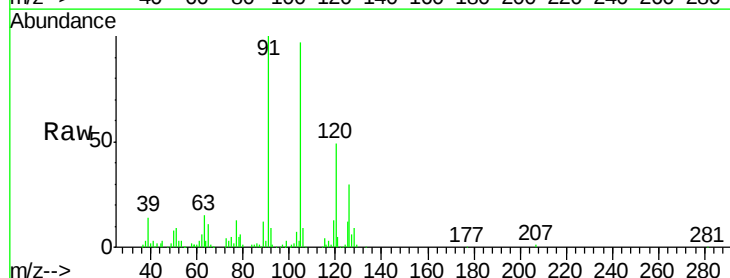
Manual Integrations
APPROVED

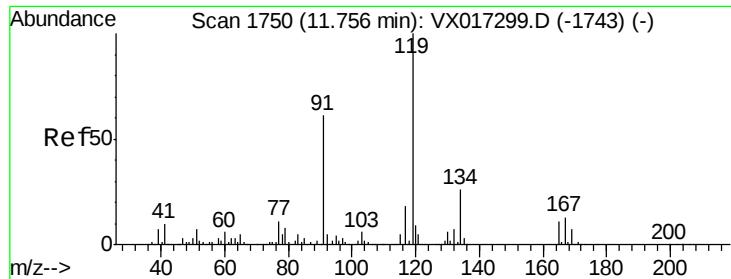
MMDadoda
7/10/2020 12:36:45 PM



#78
4-Chlorotoluene
Concen: 4.787 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	0.0	61.2





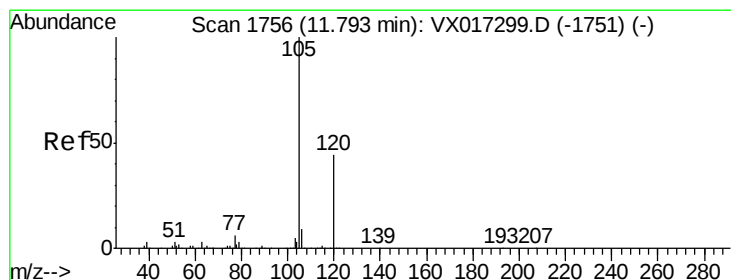
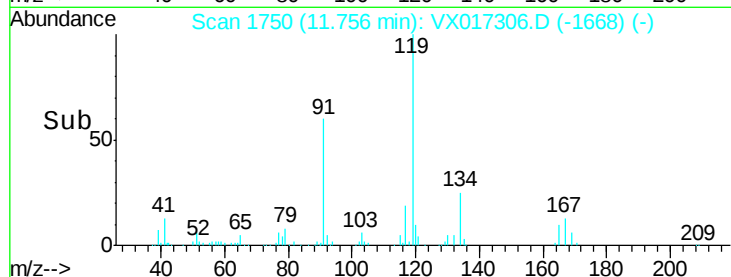
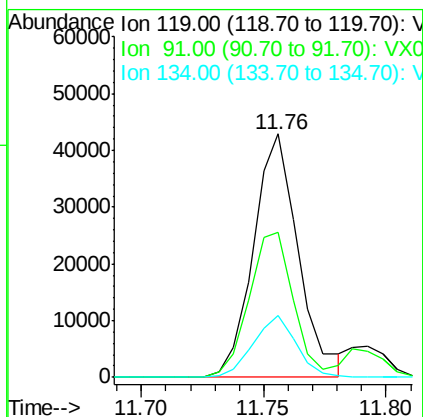
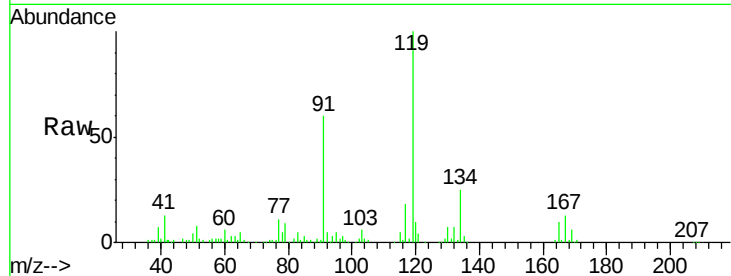
#79
tert-butylbenzene
Concen: 4.588 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	55201		
91	58.5		0.0	113.6
134	24.0		0.0	48.0

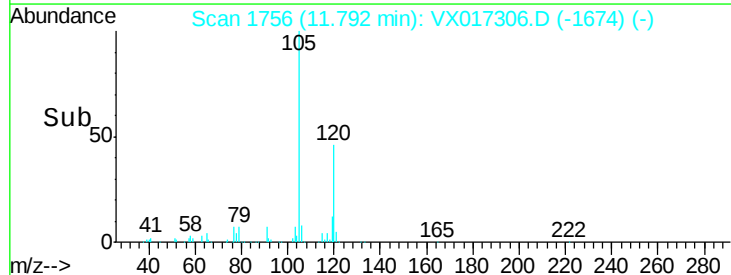
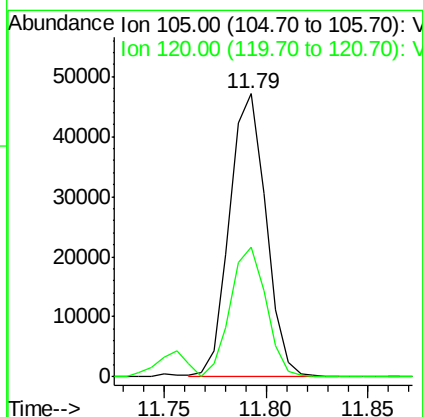
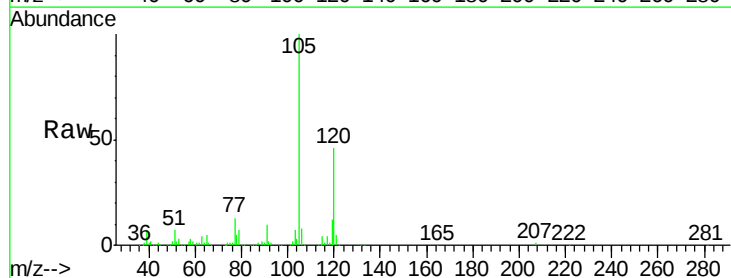
Manual Integrations
APPROVED

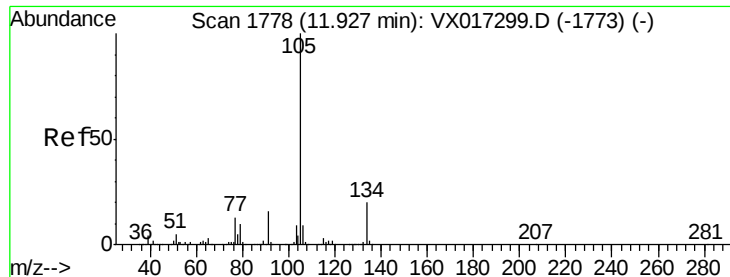
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.677 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	58510		
120	45.1		0.0	93.6





#81

sec-Butylbenzene

Concen: 4.610 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 63941

Ion Ratio Lower Upper

105 100

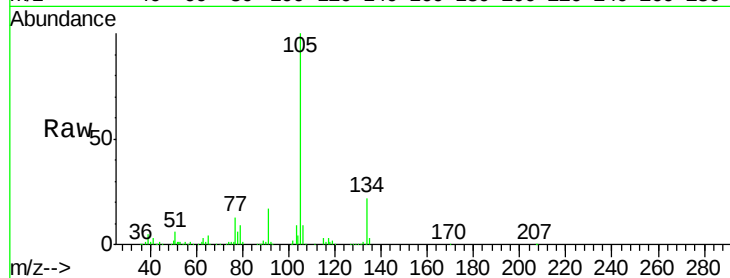
134 21.4 0.0 41.8

Manual Integrations

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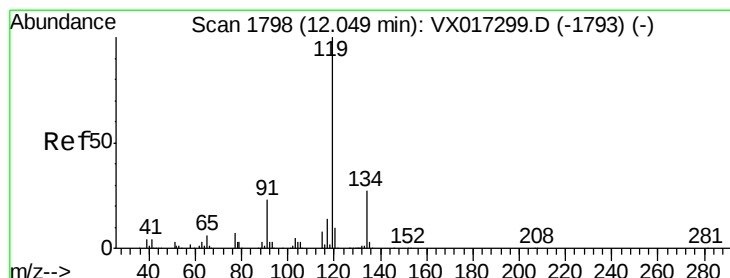
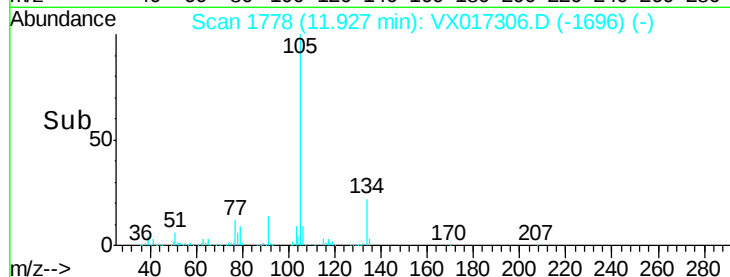
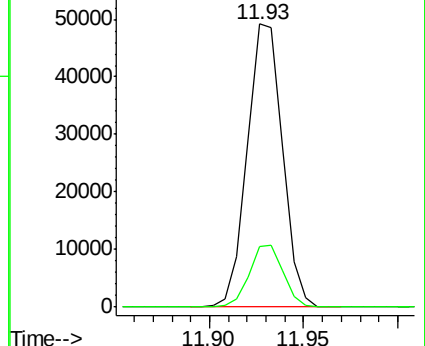
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.504 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

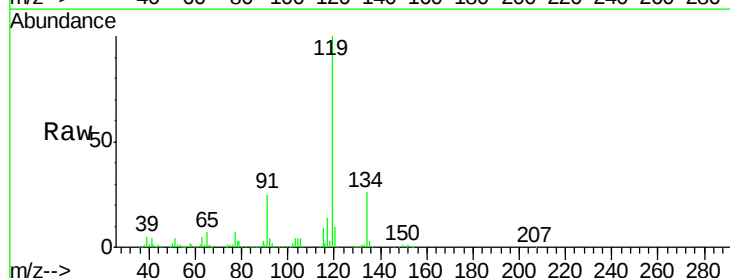
Tgt Ion:119 Resp: 59074

Ion Ratio Lower Upper

119 100

134 25.7 0.0 53.6

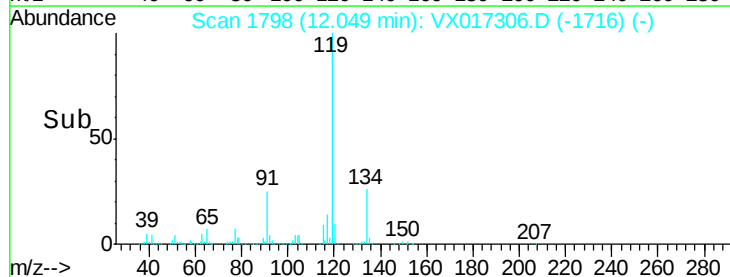
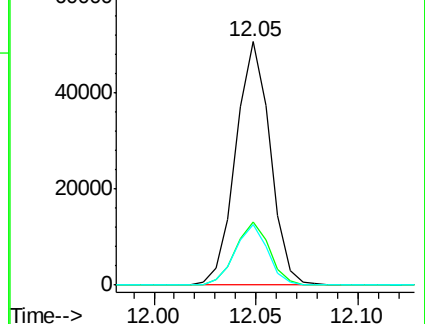
91 24.0 0.0 48.0

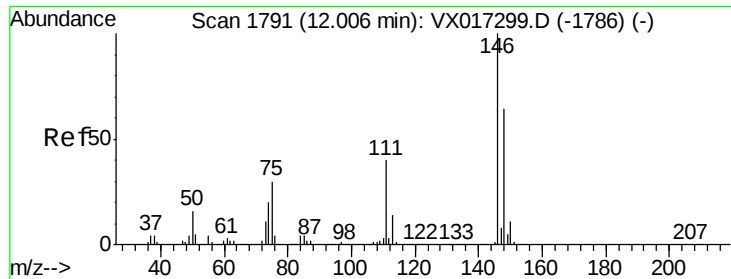


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 4.756 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

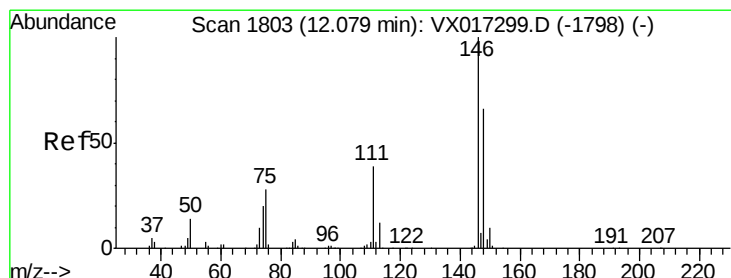
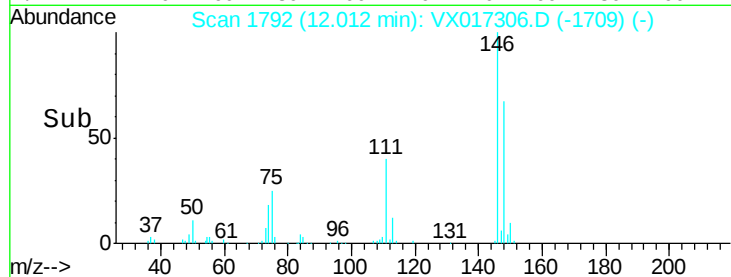
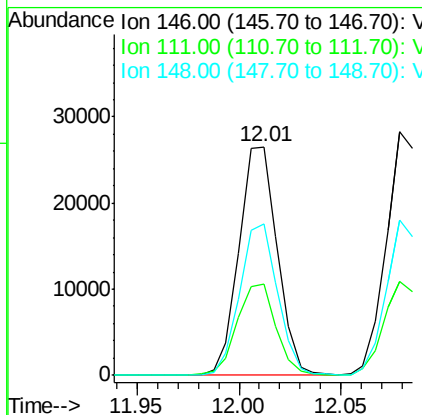
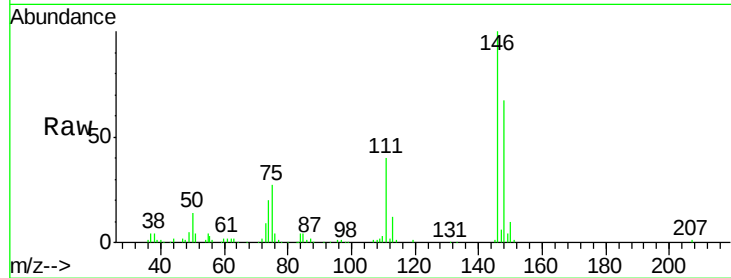
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	146	Resp:	34754
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.5	58.5
148	65.7	31.8	95.3

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 4.793 ug/l

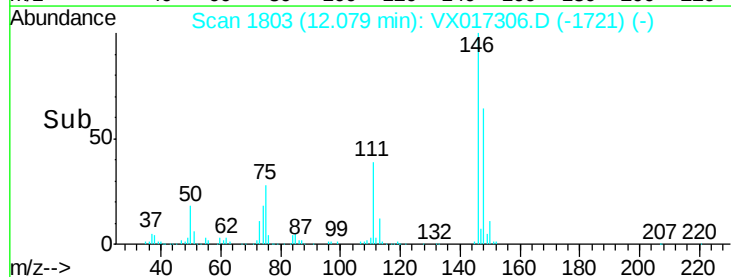
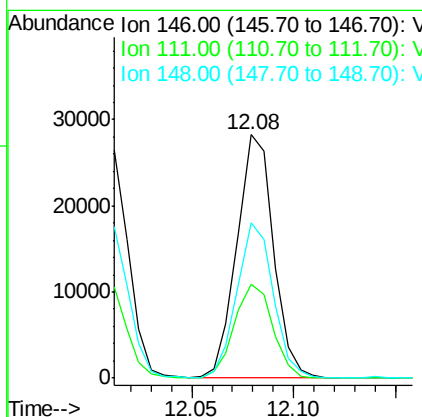
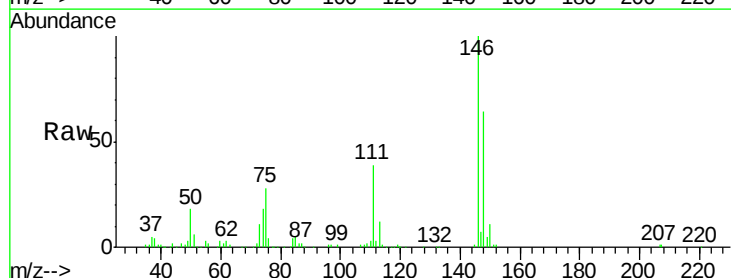
RT: 12.08 min Scan# 1803

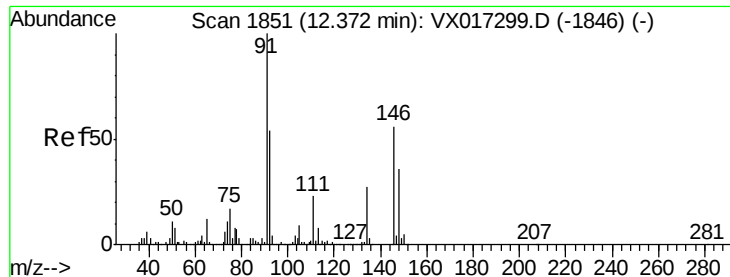
Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	146	Resp:	35439
Ion Ratio	Lower	Upper	
146	100		
111	40.3	19.1	57.3
148	63.5	32.6	97.8





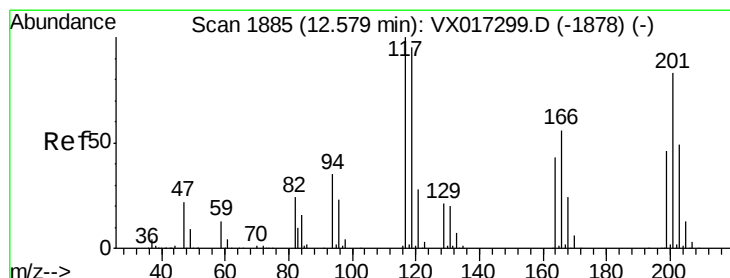
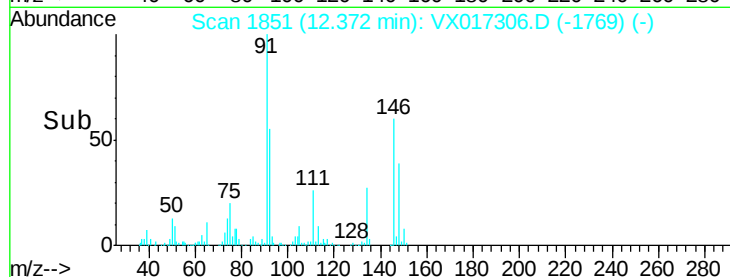
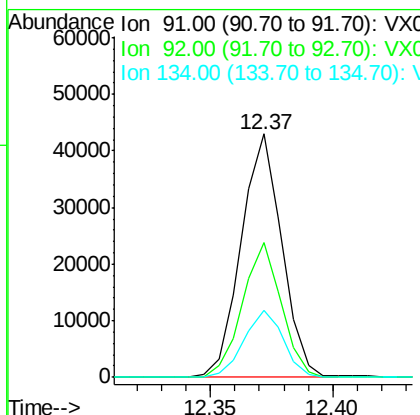
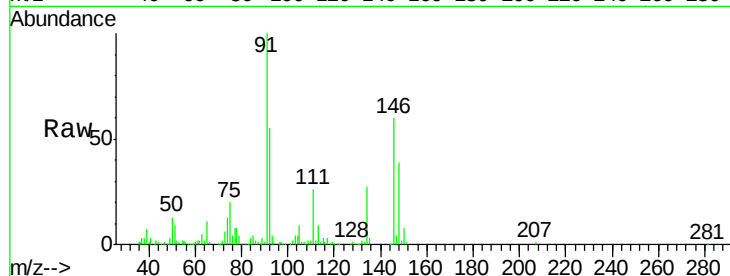
#85
n-Butylbenzene
Concen: 4.485 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		49703		
92	53.1	0.0	108.2		
134	26.7	0.0	54.2		

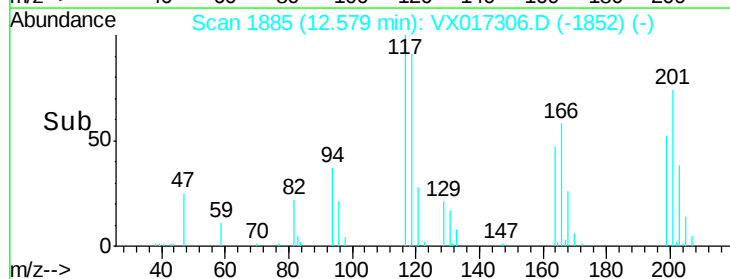
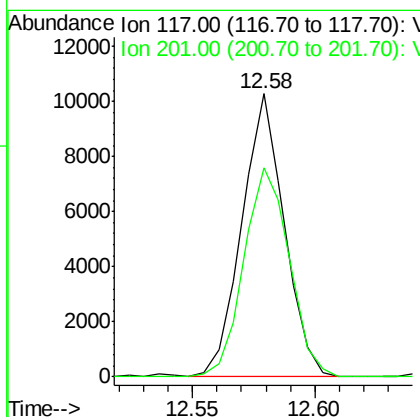
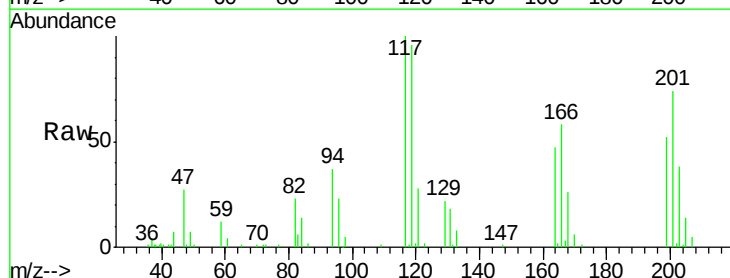
Manual Integrations
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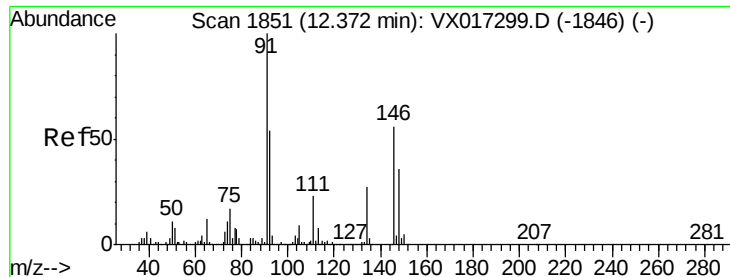
MMDadoda
7/10/2020 12:36:45 PM



#86
Hexachloroethane
Concen: 4.890 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017306.D
Acq: 09 Jul 2020 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		12407		
201	79.3	41.0	123.0		





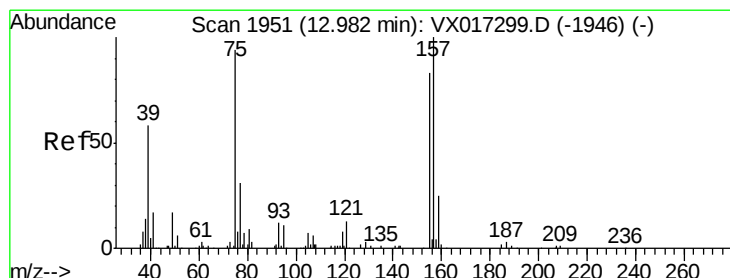
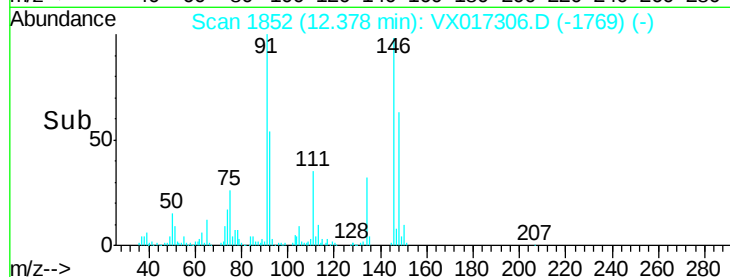
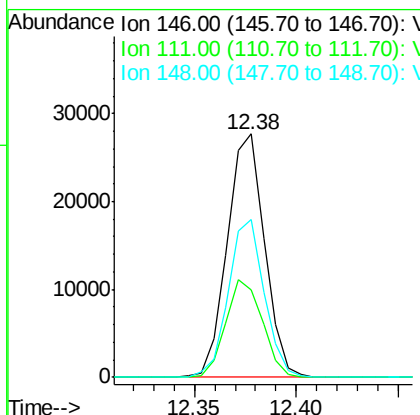
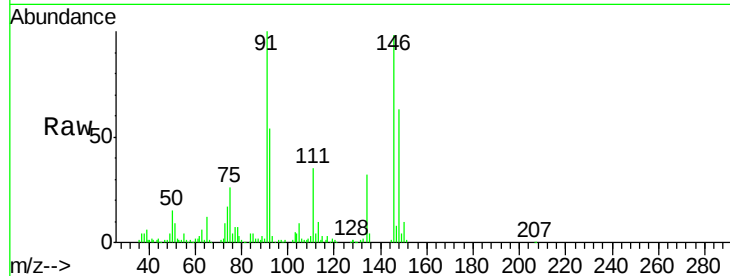
#87
 1,2-Dichlorobenzene
 Concen: 5.009 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.6	61.9
148	62.3	31.6	94.8

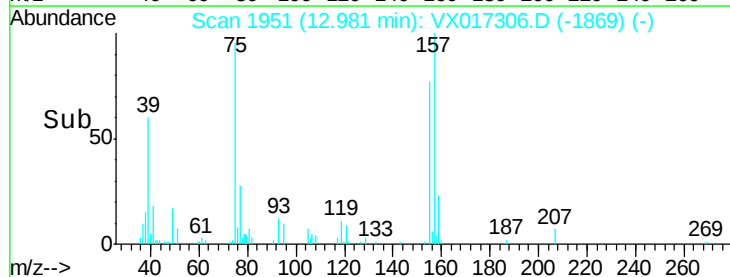
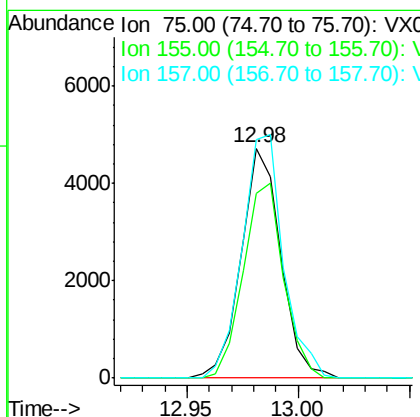
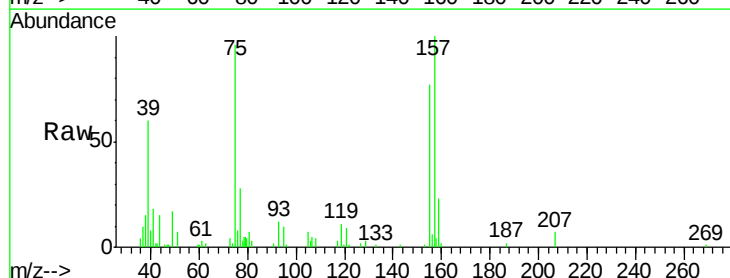
Manual Integrations
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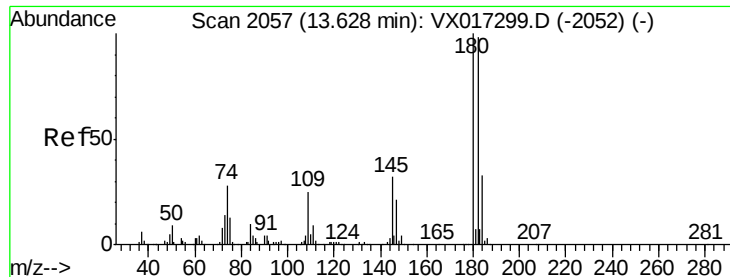
MMDadoda
 7/10/2020 12:36:45 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.362 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	73.4	110.0
157	109.8	90.5	135.7





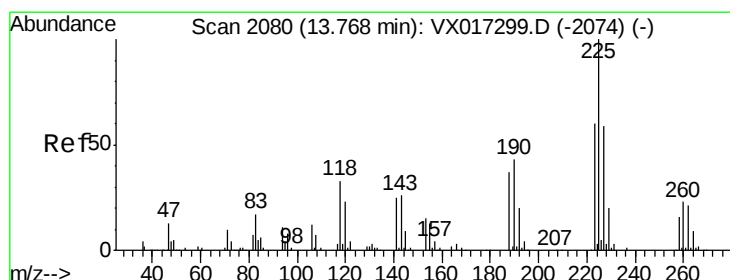
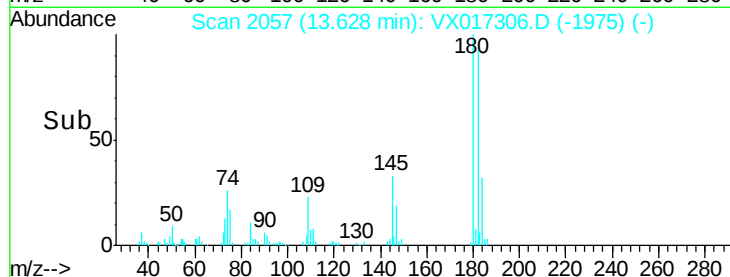
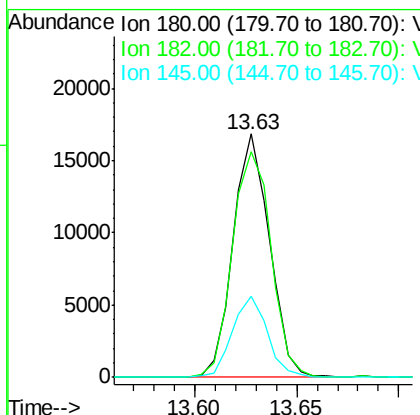
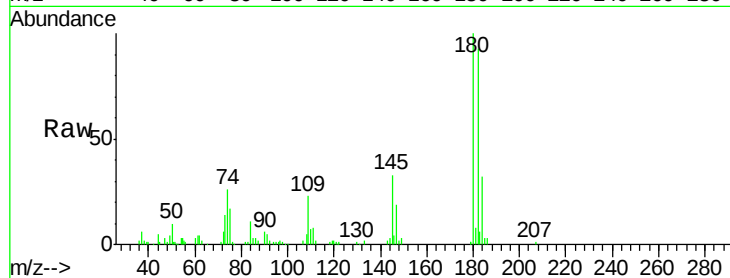
#89
 1,2,4-Trichlorobenzene
 Concen: 4.385 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	77.8	116.8
145	32.4	25.0	37.4

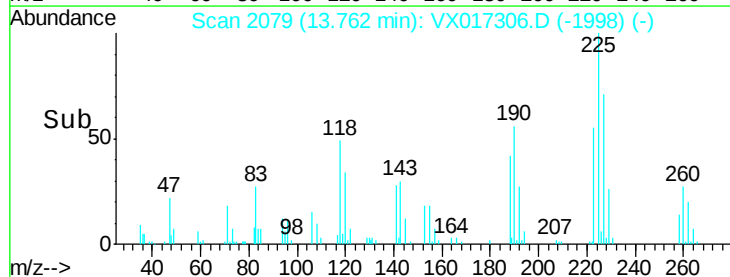
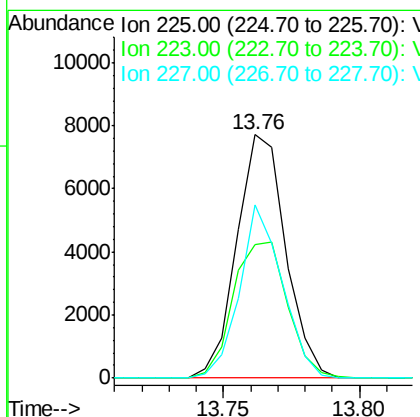
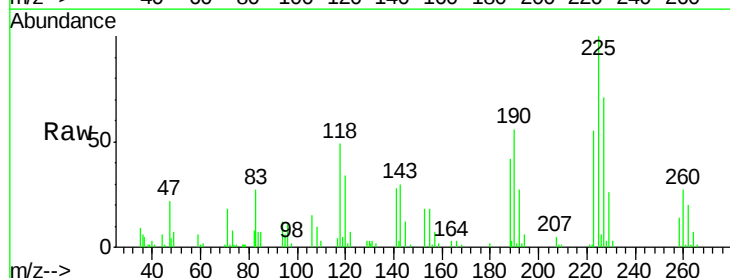
Manual Integrations
 APPROVED

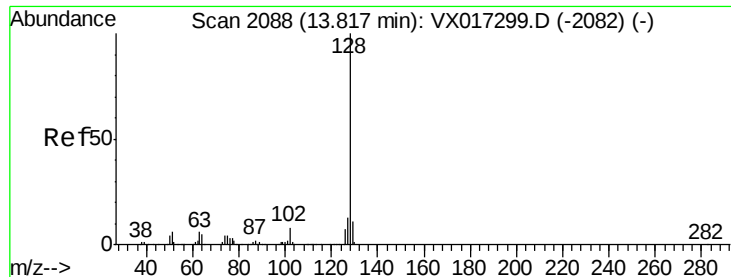
MMDadoda
 7/10/2020 12:36:45 PM



#90
 Hexachlorobutadiene
 Concen: 5.060 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017306.D
 Acq: 09 Jul 2020 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	129.0
227	62.0	0.0	124.4





#91

Naphthalene

Concen: 4.271 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Instrument :

MSVOA_X

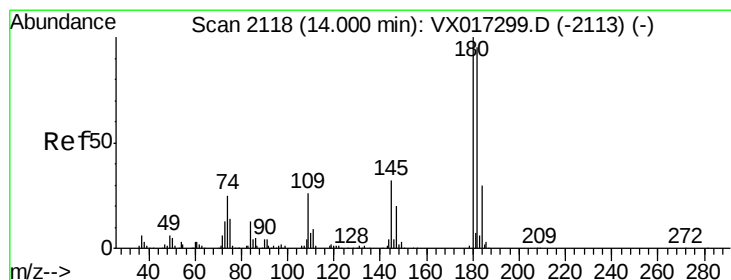
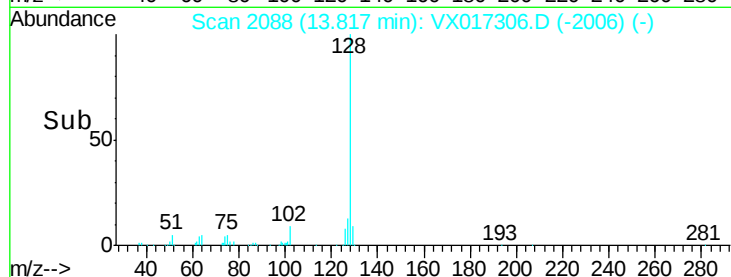
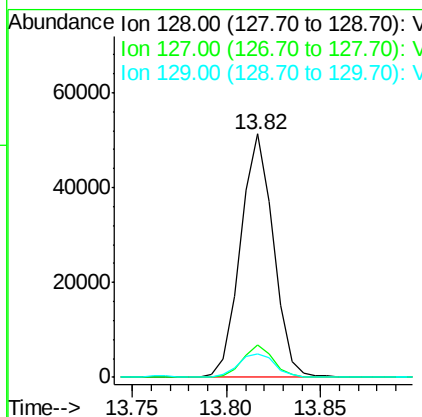
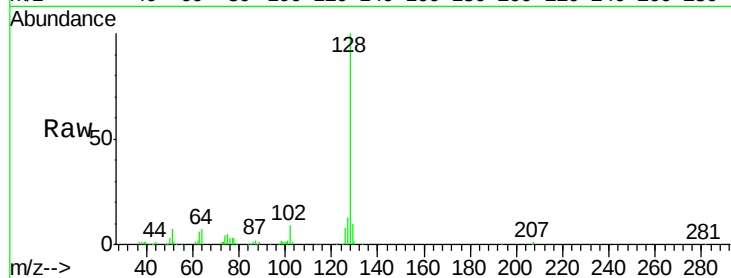
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	128	Resp:	62056
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.3	15.5
129	10.7	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
7/10/2020 12:36:45 PM



#92

1,2,3-Trichlorobenzene

Concen: 4.550 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX017306.D

Acq: 09 Jul 2020 14:40

Tgt Ion:	180	Resp:	21449
Ion Ratio	Lower	Upper	
180	100		
182	92.6	0.0	185.6
145	31.6	0.0	63.0

