

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
 Data File : VX015997.D
 Acq On : 30 Apr 2020 16:00
 Operator : JC/SP
 Sample : L2182-07 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:26 PM

Quant Time: May 01 08:42:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	48993	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	279198	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	250316	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	118159	31.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.60%
60) 4-Bromofluorobenzene	11.12	95	121784	29.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.70%
63) Toluene-d8	8.70	98	328418	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5843	1.731 ug/l	97
3) Chloromethane	1.31	50	7447	2.252 ug/l	100
4) Vinyl Chloride	1.39	62	9034	2.405 ug/l	96
5) Bromomethane	1.63	94	6990	3.036 ug/l	93
6) Chloroethane	1.72	64	6189	2.513 ug/l	99
7) Trichlorofluoromethane	1.92	101	12890	2.396 ug/l	94
8) Diethyl Ether	2.17	74	5390	2.510 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7031	2.530 ug/l	97
10) 1,1-Dichloroethene	2.36	96	6781	2.419 ug/l	94
11) Methyl Iodide	2.49	142	8671	2.266 ug/l	95
12) Methyl Acetate	2.75	43	10794	2.205 ug/l	91
13) Acrolein	2.28	56	5251	13.382 ug/l	96
14) Acrylonitrile	3.12	53	22085	12.215 ug/l	98
15) Acetone	2.42	58	6713	14.030 ug/l	88
16) Carbon Disulfide	2.55	76	23290	2.731 ug/l	95
17) Allyl chloride	2.71	41	12866	2.474 ug/l	94
18) Methylene Chloride	2.84	84	8338	2.655 ug/l	94
19) trans-1,2-Dichloroethene	3.14	96	8067	2.631 ug/l	97
20) Diisopropyl ether	3.82	45	24352	2.429 ug/l	89
21) 1,1-Dichloroethane	3.67	63	13996	2.503 ug/l	98
22) cis-1,2-Dichloroethene	4.57	96	8908	2.560 ug/l	95
23) tert-Butyl Alcohol	3.01	59	11335	12.807 ug/l #	100
24) Methyl tert-Butyl Ether	3.17	73	24814	2.465 ug/l	99
25) Chloroform	5.18	83	13990	2.464 ug/l	94
26) Cyclohexane	5.56	56	12856	2.514 ug/l #	98
29) 1,1-Dichloropropene	5.78	75	10711	2.439 ug/l	87
30) 2-Butanone	4.64	43	31620	12.085 ug/l	98
31) 2,2-Dichloropropane	4.56	77	13080	2.475 ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	13042	2.448 ug/l	99
33) Carbon Tetrachloride	5.76	117	11742	2.476 ug/l	89
34) Benzene	6.12	78	30761	2.398 ug/l	99
35) Methacrylonitrile	5.01	41	6277	2.259 ug/l	98
36) 1,2-Dichloroethane	6.17	62	12247	2.500 ug/l	100
37) Trichloroethene	7.20	130	11399	2.498 ug/l	97
38) Methylcyclohexane	7.45	83	12634	2.354 ug/l	96
39) 1,2-Dichloropropane	7.49	63	7994	2.428 ug/l	91
40) Dibromomethane	7.64	93	5502	2.407 ug/l	94

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

41) Bromodichloromethane	7.88	83	10986	2.331	ug/l	93
42) Vinyl Acetate	3.79	43	101369	11.710	ug/l	100
43) Ethyl Acetate	4.80	43	12054	2.335	ug/l #	90
44) Isopropyl Acetate	6.42	43	19818	2.366	ug/l	99
45) 1,4-Dioxane	7.72	88	4317	48.796	ug/l	98
46) Methyl methacrylate	7.75	41	8895	2.240	ug/l	96
47) n-amyl Acetate	10.88	43	16101	2.198	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	12683	2.317	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	13025	2.303	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	7716	2.395	ug/l	94
51) Ethyl methacrylate	9.16	69	11490	2.160	ug/l	96
52) 1,3-Dichloropropane	9.35	76	13429	2.411	ug/l	97
53) Dibromochloromethane	9.57	129	7784	2.124	ug/l	98
54) 1,2-Dibromoethane	9.65	107	8310	2.347	ug/l	95
55) 2-Chloroethyl vinyl ether	8.29	63	32925	11.376	ug/l	100
56) Bromoform	10.84	173	5392	1.952	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	60504	12.257	ug/l	100
59) 2-Hexanone	9.48	43	46205	12.118	ug/l	98
61) Tetrachloroethene	9.32	164	12420	2.508	ug/l	97
62) Toluene	8.77	91	32603	2.438	ug/l	98
64) Chlorobenzene	10.12	112	20986	2.465	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	7696	2.381	ug/l	99
66) Ethyl Benzene	10.24	91	36085	2.370	ug/l	99
67) m/p-Xylenes	10.34	106	27016	4.657	ug/l	99
68) o-Xylene	10.68	106	13634	2.437	ug/l	94
69) Styrene	10.70	104	20933	2.186	ug/l	98
70) Isopropylbenzene	11.01	105	34800	2.304	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.26	83	5583	1.988	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	11126m	2.447	ug/l	
73) Bromobenzene	11.24	156	8769	2.304	ug/l	96
74) n-propylbenzene	11.34	91	41054	2.340	ug/l	98
75) 2-Chlorotoluene	11.40	91	24628	2.389	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	28399	2.215	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	4309	2.204	ug/l	97
78) 4-Chlorotoluene	11.49	91	27888	2.285	ug/l	98
79) tert-butylbenzene	11.76	119	24694	2.255	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	28850	2.252	ug/l	100
81) sec-Butylbenzene	11.93	105	33089	2.241	ug/l	99
82) p-Isopropyltoluene	12.05	119	30656	2.240	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	16161	2.355	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	16608	2.436	ug/l	98
85) n-Butylbenzene	12.37	91	27421	2.194	ug/l	97
86) Hexachloroethane	12.58	117	5004	2.077	ug/l	93
87) 1,2-Dichlorobenzene	12.38	146	15654	2.359	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	2925	2.490	ug/l	90
89) 1,2,4-Trichlorobenzene	13.63	180	11373	2.327	ug/l	98
90) Hexachlorobutadiene	13.77	225	5252	2.500	ug/l	96
91) Naphthalene	13.82	128	35151	2.259	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	10731	2.285	ug/l	99

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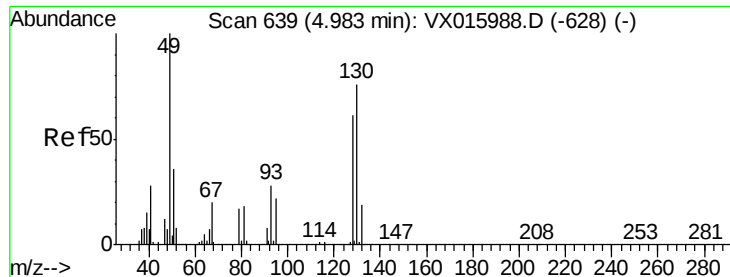
Manual Integrations
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5/4/2020 3:10:26 PM

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QLast Update : Thu Apr 30 12:42:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

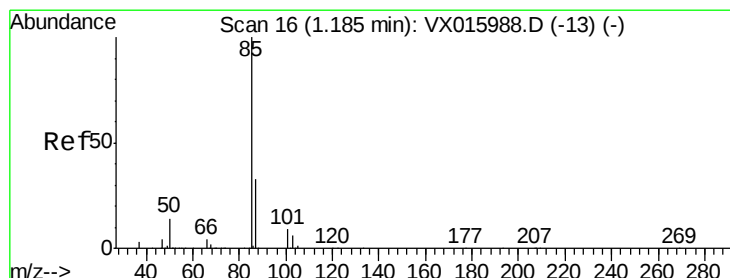
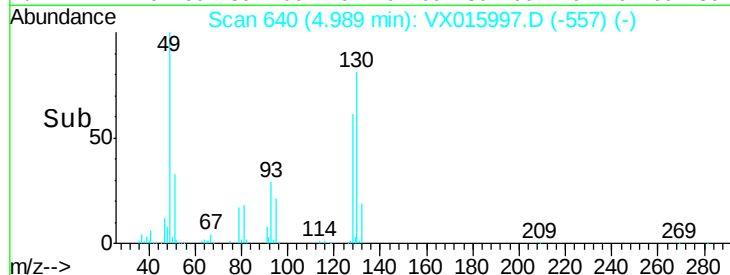
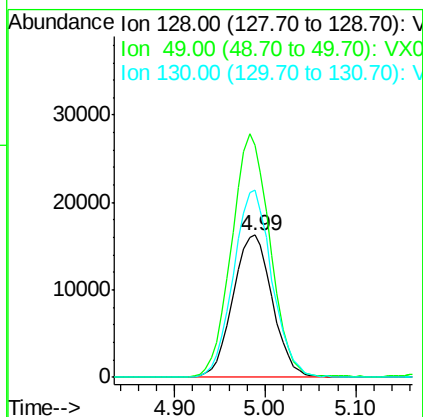
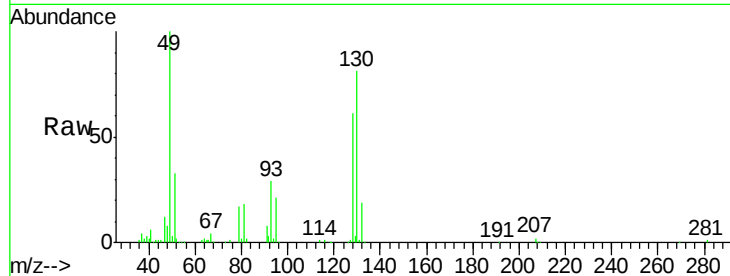
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	128	Resp:	48993
Ion	Ratio	Lower	Upper
128	100		
49	167.2	0.0	418.5
130	129.2	0.0	326.3

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#2

Dichlorodifluoromethane

Concen: 1.731 ug/l

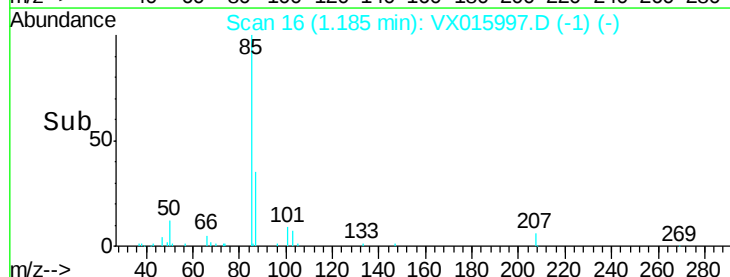
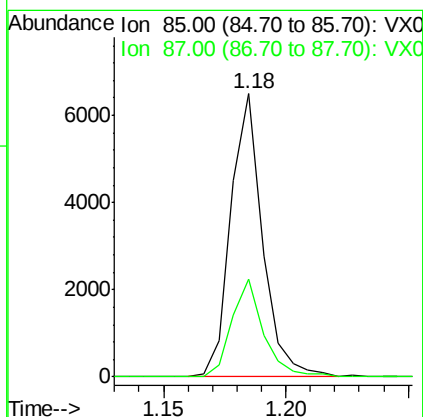
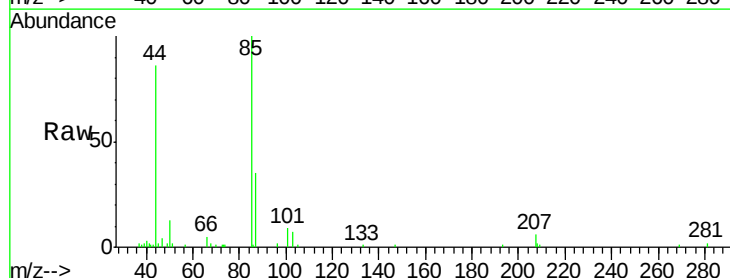
RT: 1.18 min Scan# 16

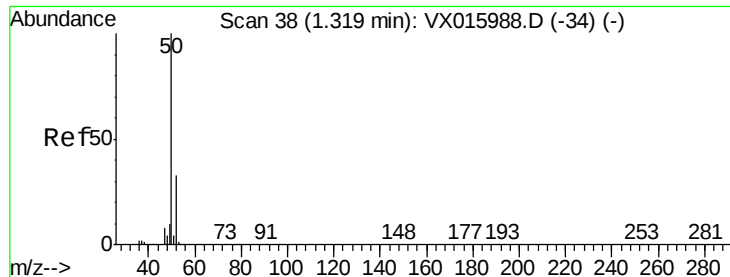
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	85	Resp:	5843
Ion	Ratio	Lower	Upper
85	100		
87	34.5	16.6	49.7





#3

Chloromethane

Concen: 2.252 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 50 Resp: 7447

Ion Ratio Lower Upper

50 100

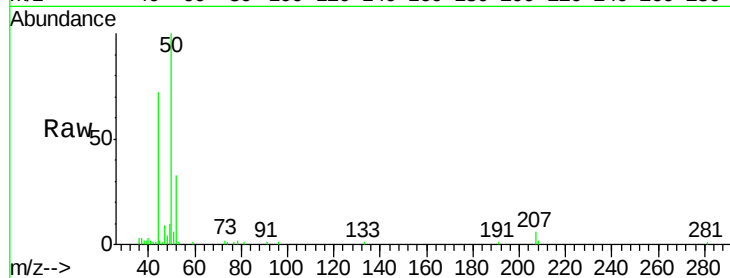
52 33.1 26.5 39.7

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

1.31

8000

6000

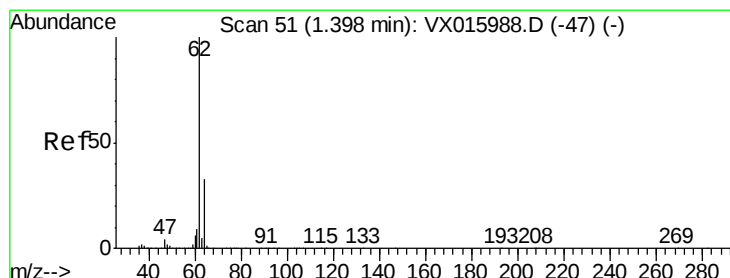
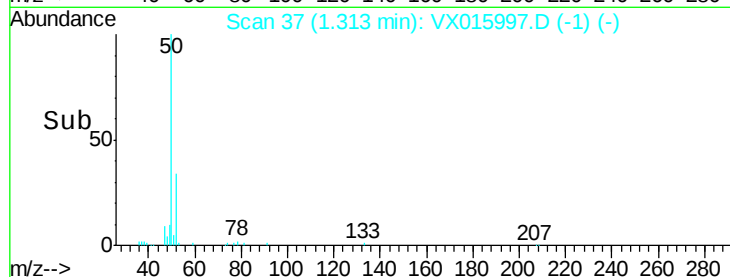
4000

2000

0

1.30 1.35

Time-->



#4

Vinyl Chloride

Concen: 2.405 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX015997.D

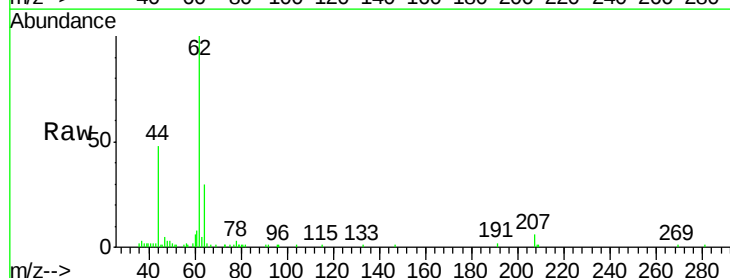
Acq: 30 Apr 2020 16:00

Tgt Ion: 62 Resp: 9034

Ion Ratio Lower Upper

62 100

64 30.6 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.39

10000

8000

6000

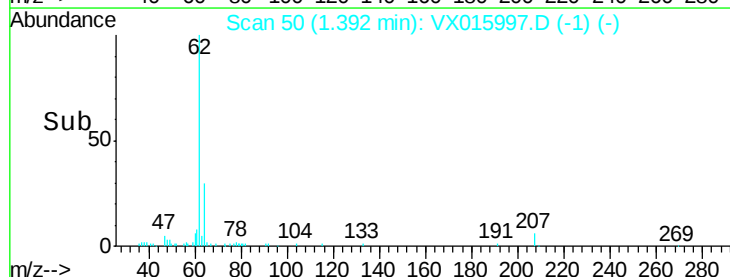
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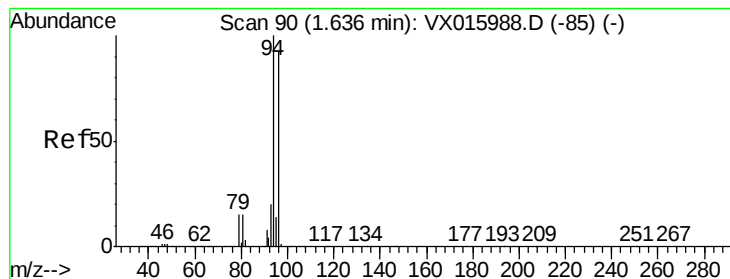
2000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 3.036 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 94 Resp: 6990

Ion Ratio Lower Upper

94 100

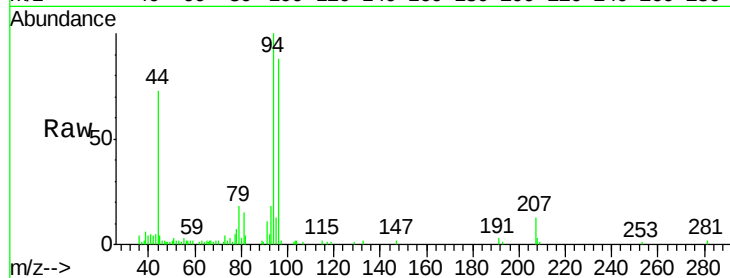
96 86.4 74.2 111.2

Manual Integrations

APPROVED

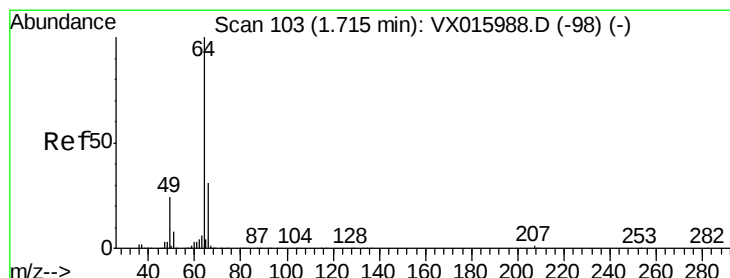
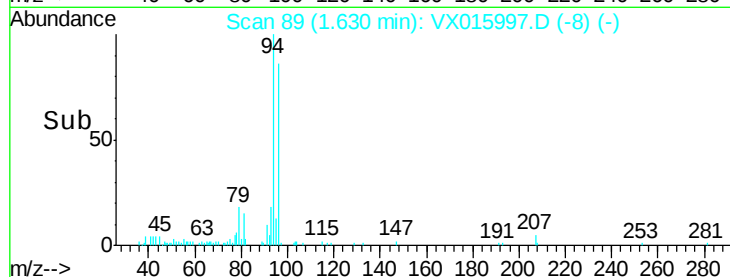
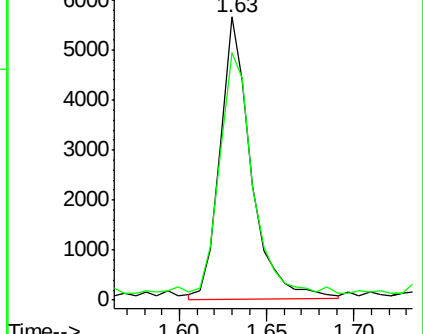
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 2.513 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX015997.D

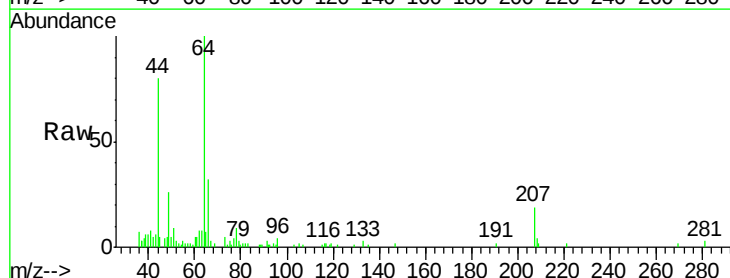
Acq: 30 Apr 2020 16:00

Tgt Ion: 64 Resp: 6189

Ion Ratio Lower Upper

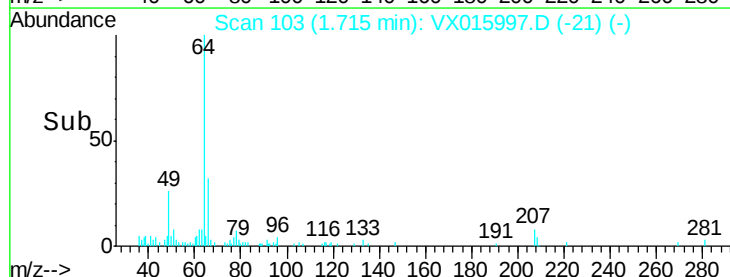
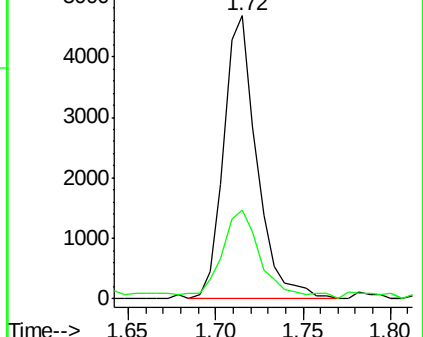
64 100

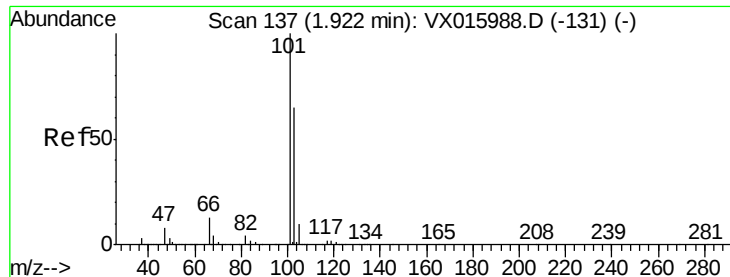
66 31.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

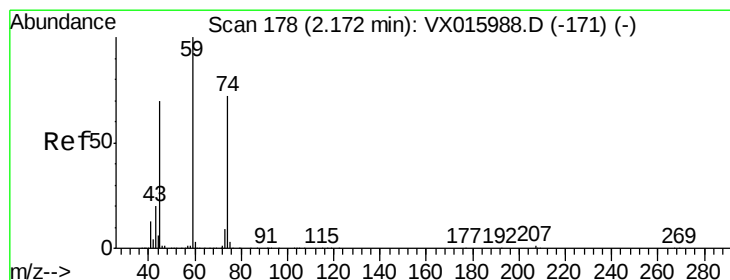
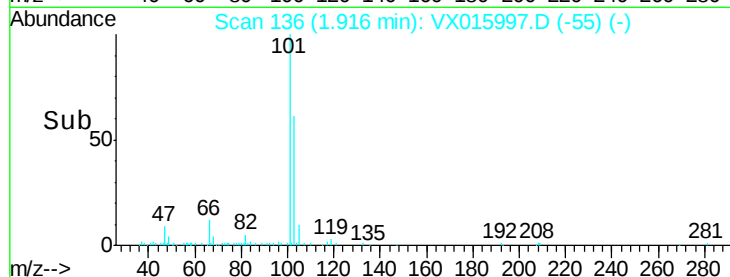
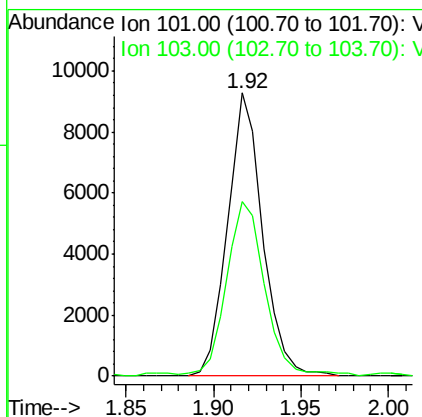
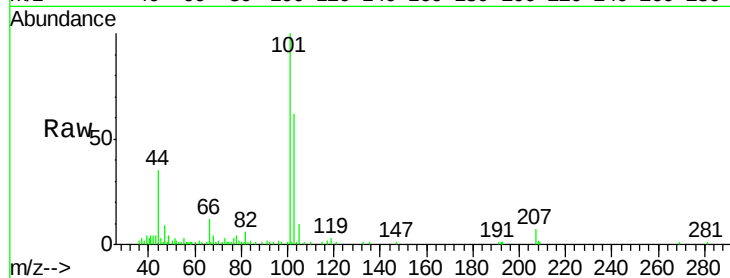
Trichlorofluoromethane
Concen: 2.396 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

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LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	51.8	77.8

Manual Integrations
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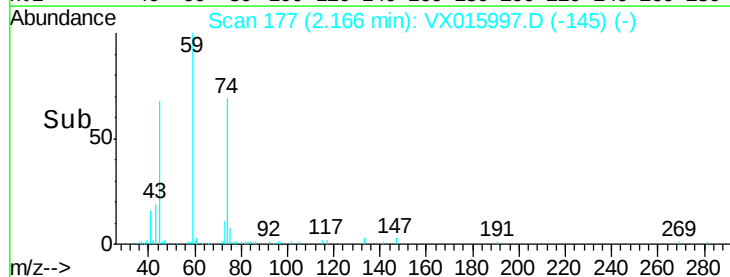
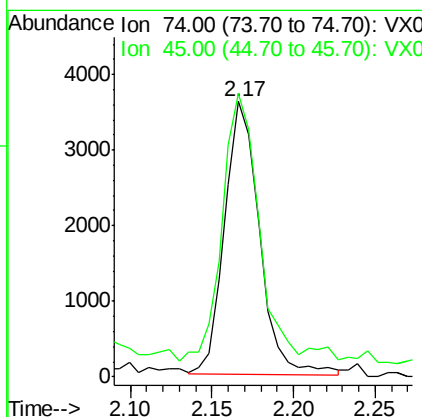
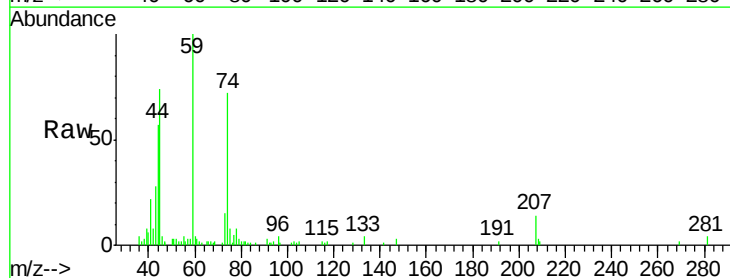
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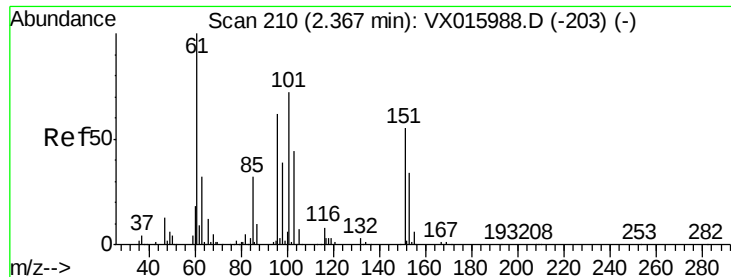


#8

Diethyl Ether
Concen: 2.510 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	19.4	174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.530 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

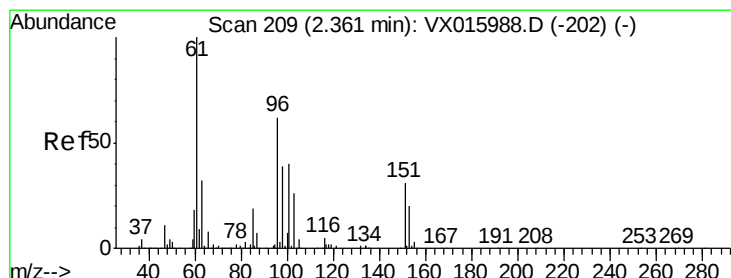
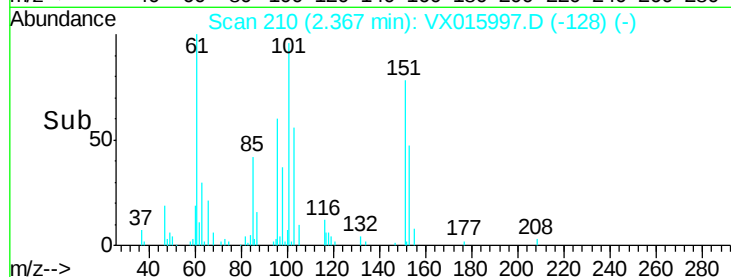
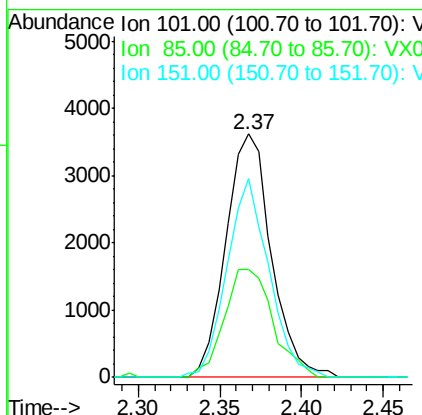
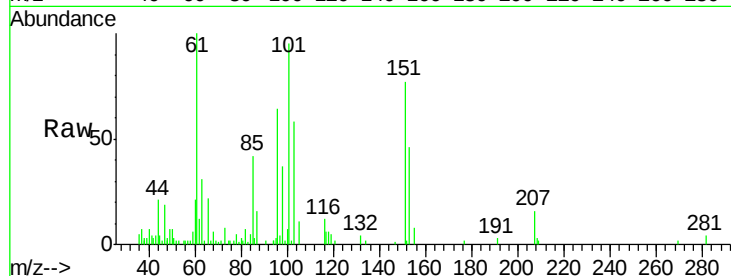
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	101	Resp:	7031
Ion Ratio	Lower	Upper	
101	100		
85	47.5	0.0	90.6
151	75.9	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 2.419 ug/l

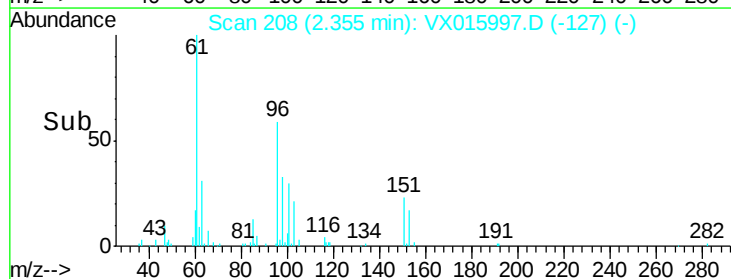
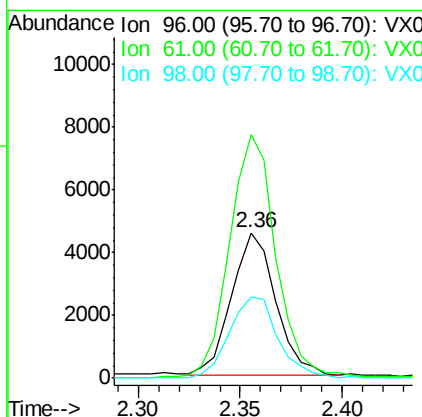
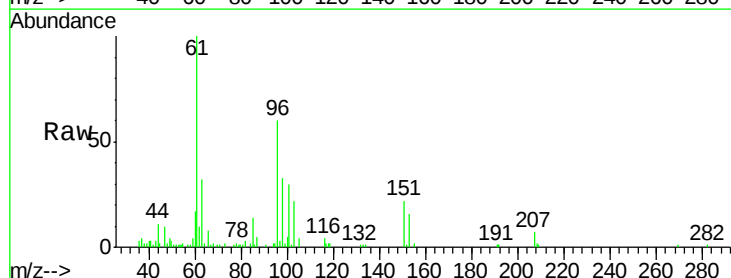
RT: 2.36 min Scan# 208

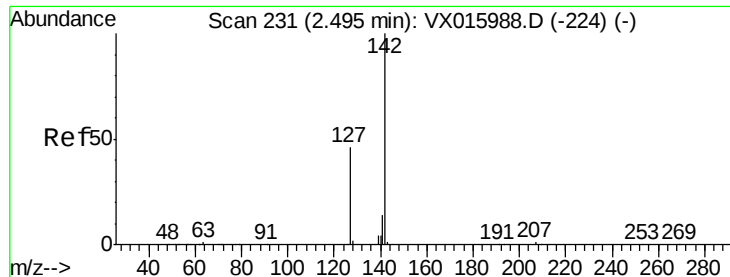
Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	96	Resp:	6781
Ion Ratio	Lower	Upper	
96	100		
61	169.5	129.8	194.8
98	56.8	51.1	76.7





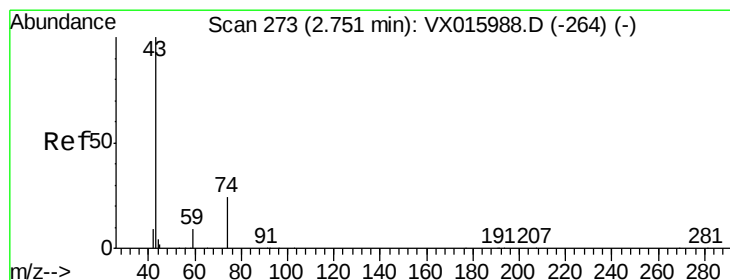
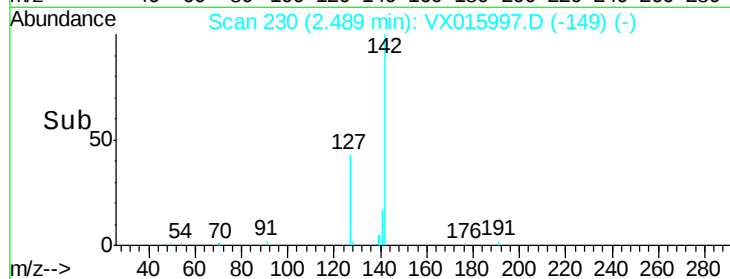
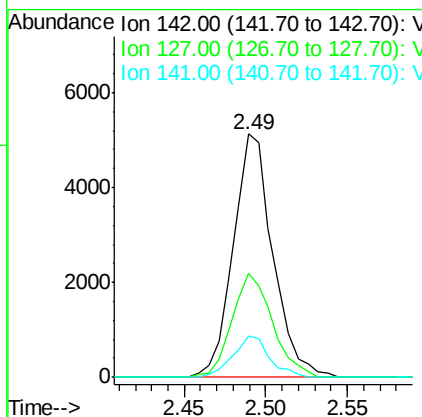
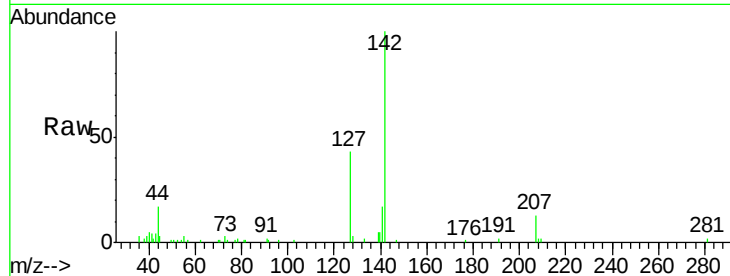
#11
Methvl Iodide
Concen: 2.266 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.8	22.8	68.4
141	17.0	7.0	21.1

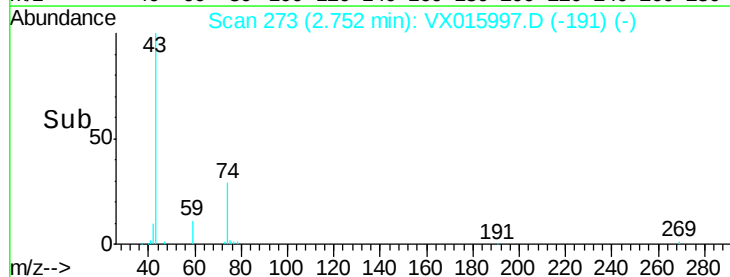
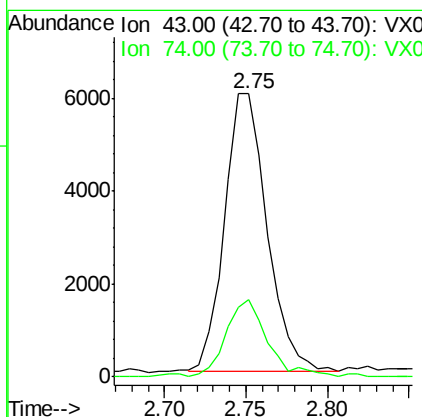
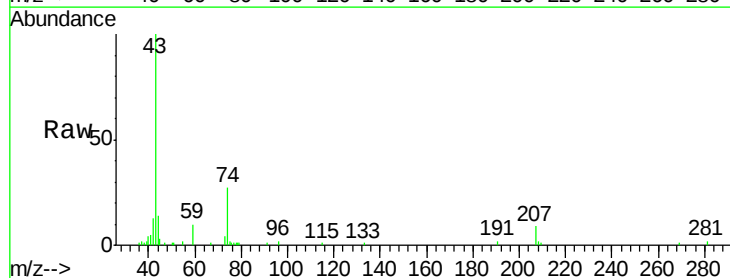
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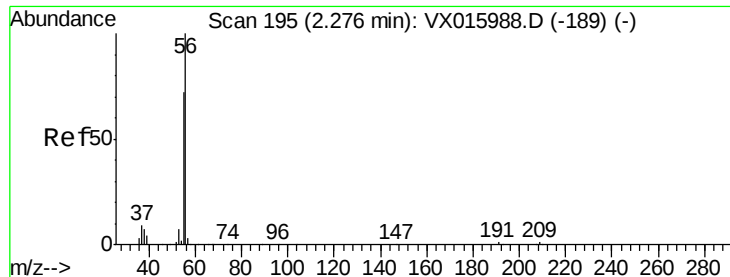
MMDadoda
5/4/2020 3:10:26 PM



#12
Methyl Acetate
Concen: 2.205 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.0	19.0	28.4





#13

Acrolein

Concen: 13.382 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 56 Resp: 5251

Ion Ratio Lower Upper

56 100

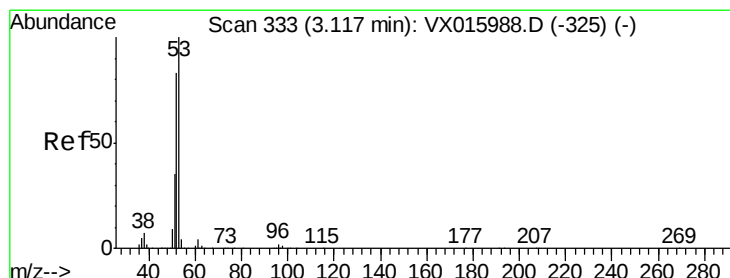
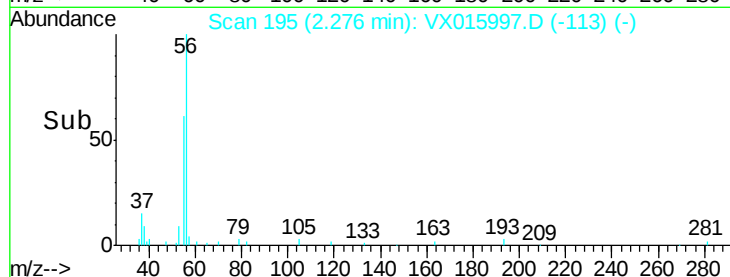
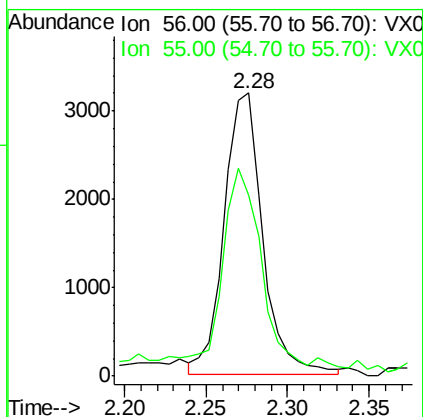
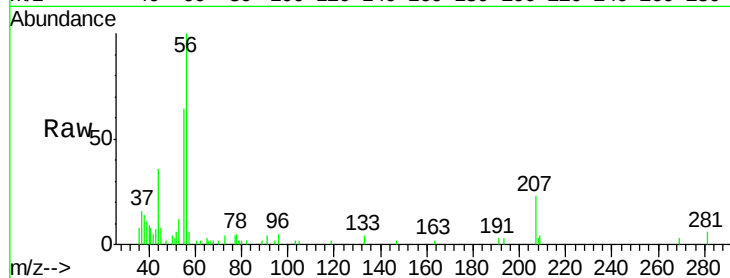
55 66.7 56.2 84.4

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#14

Acrylonitrile

Concen: 12.215 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

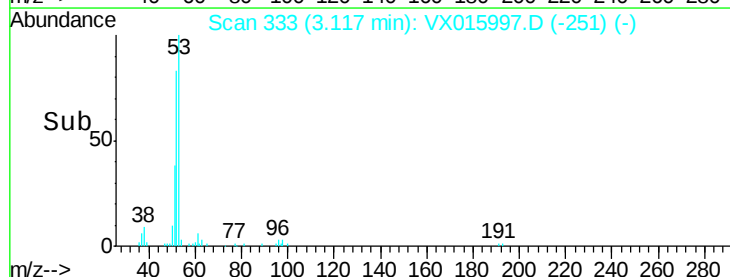
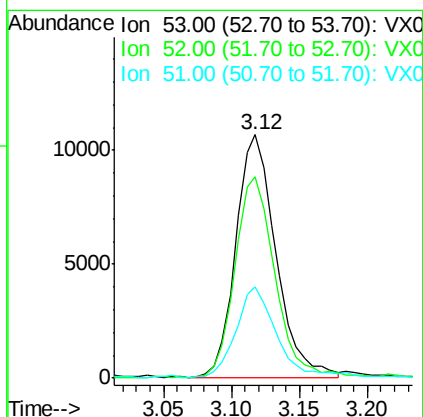
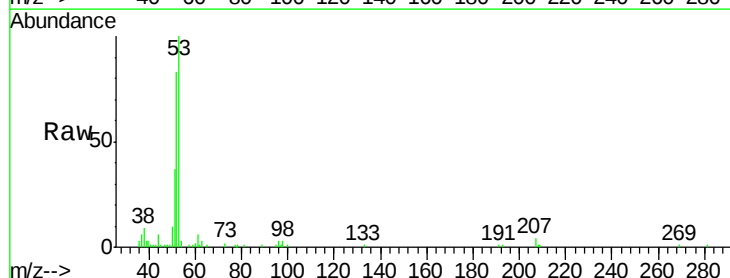
Tgt Ion: 53 Resp: 22085

Ion Ratio Lower Upper

53 100

52 81.3 41.2 123.6

51 37.8 17.8 53.5





#15

Acetone

Concen: 14.030 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 58 Resp: 6713

Ion Ratio Lower Upper

58 100

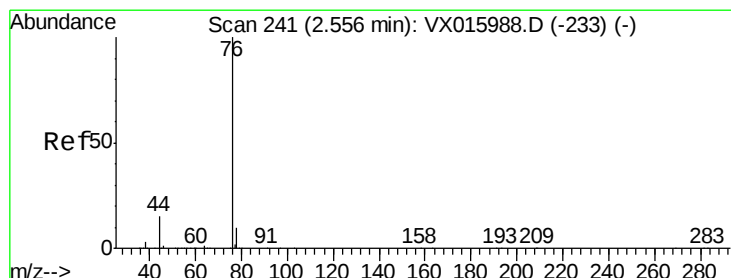
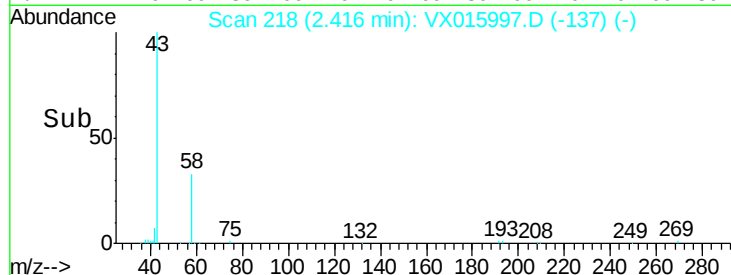
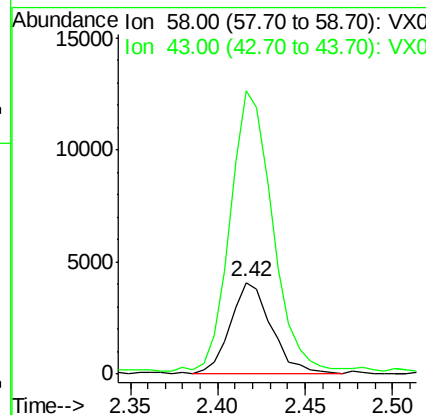
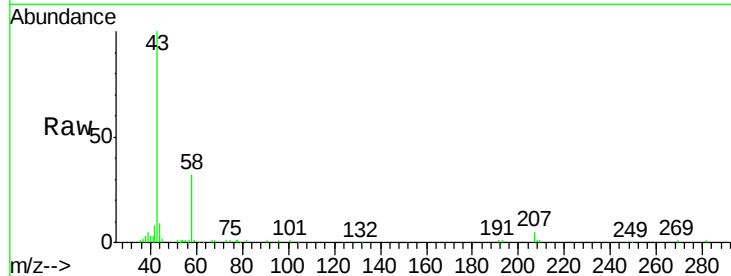
43 304.8 264.2 396.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 2.731 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX015997.D

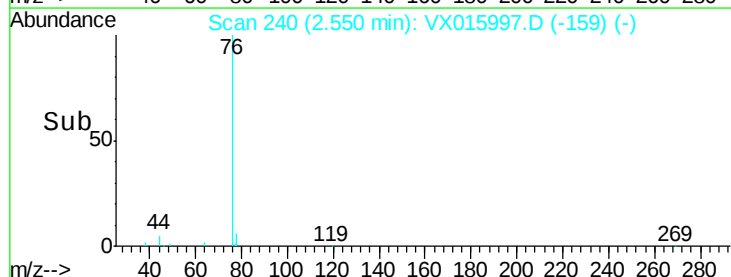
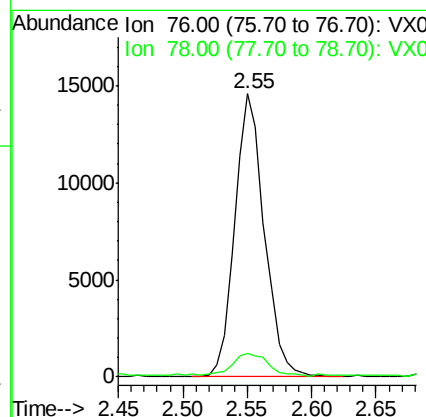
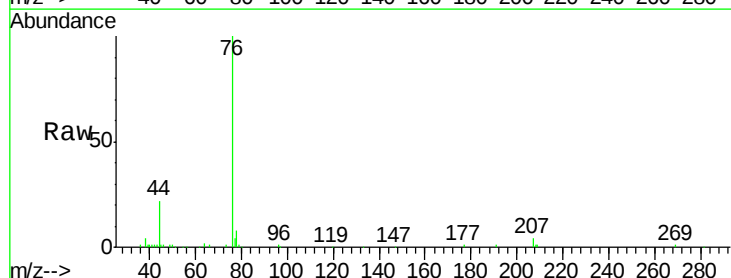
Acq: 30 Apr 2020 16:00

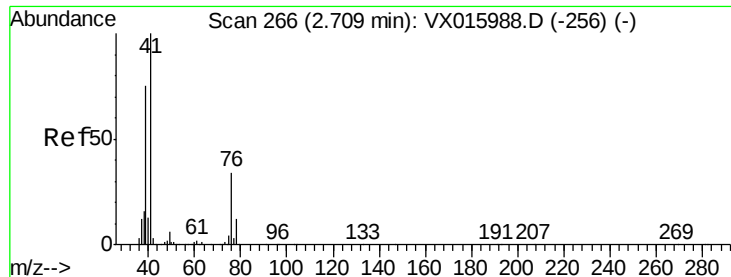
Tgt Ion: 76 Resp: 23290

Ion Ratio Lower Upper

76 100

78 7.7 7.7 11.5





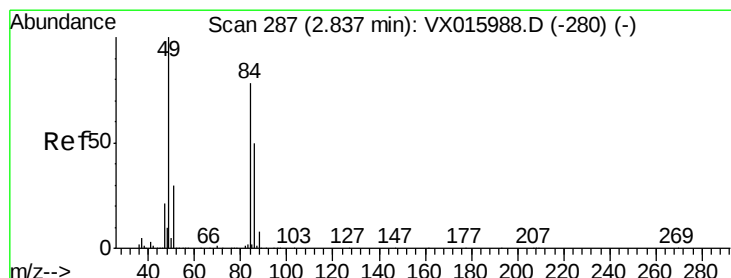
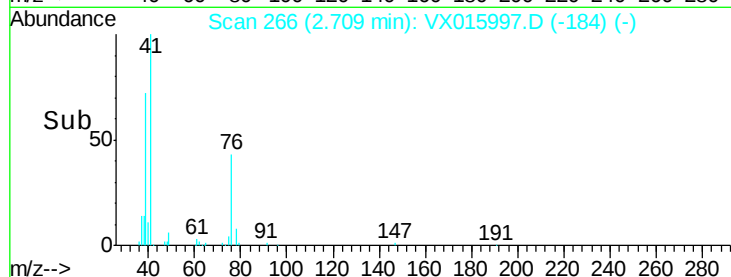
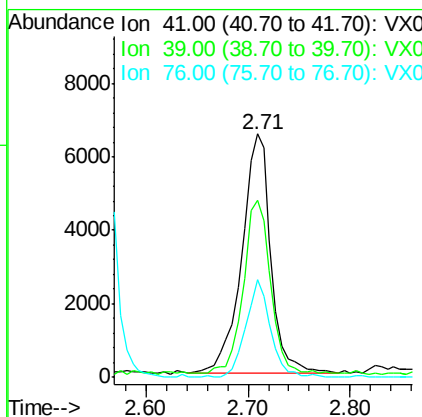
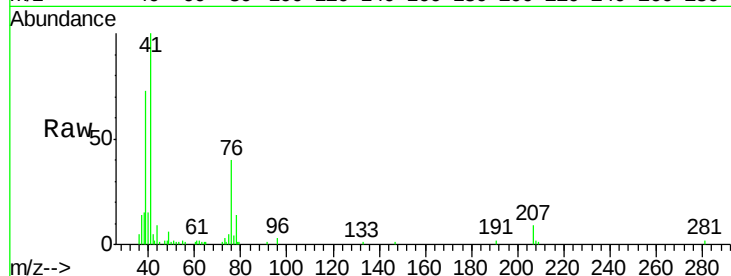
#17
Allvl chloride
Concen: 2.474 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.8	37.6	112.8
76	41.0	17.2	51.5

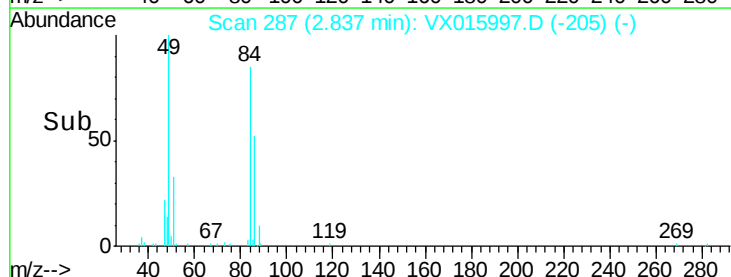
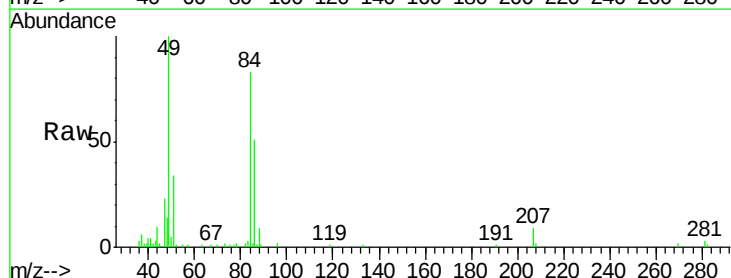
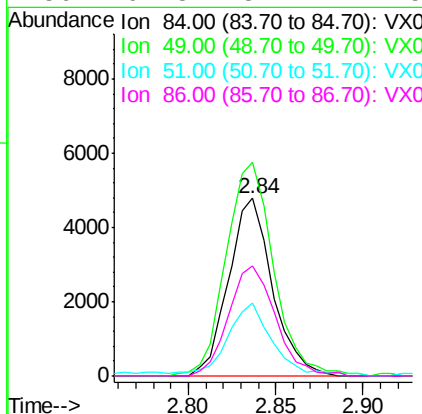
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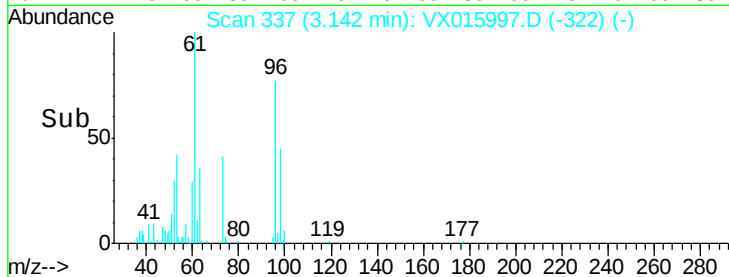
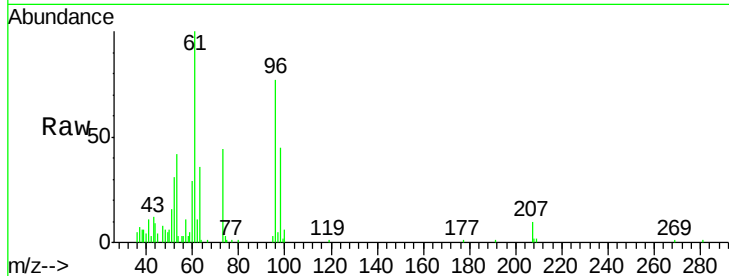
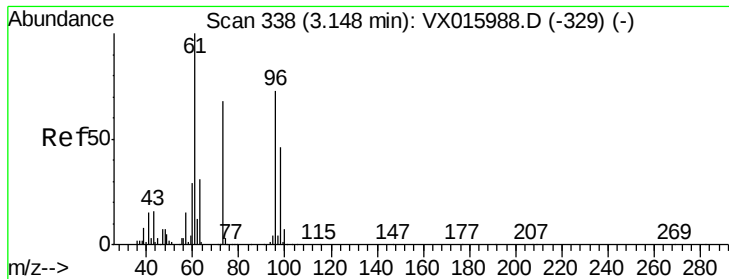
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#18
Methylene Chloride
Concen: 2.655 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	103.0	154.4
51	40.0	31.4	47.0
86	61.8	51.7	77.5





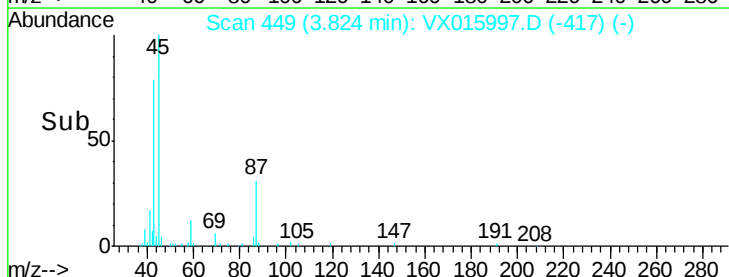
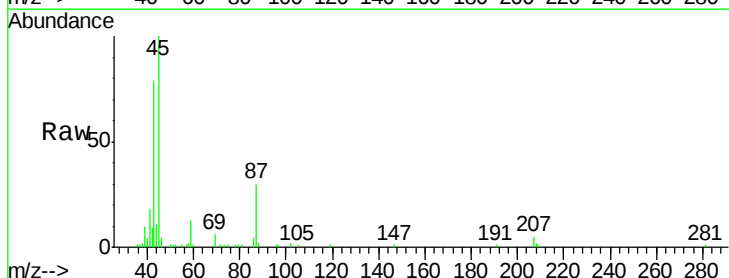
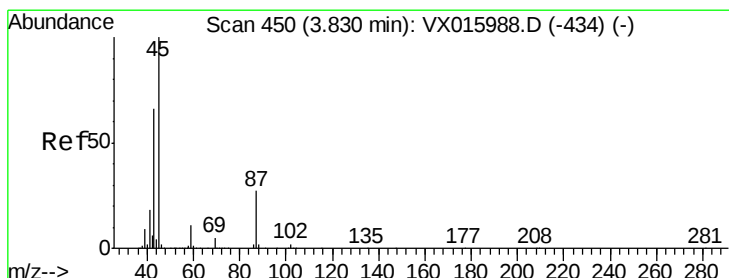
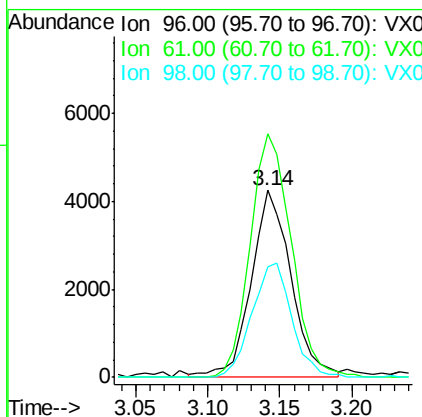
#19
trans-1,2-Dichloroethene
Concen: 2.631 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	109.0	163.4
98	60.1	50.0	75.0

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

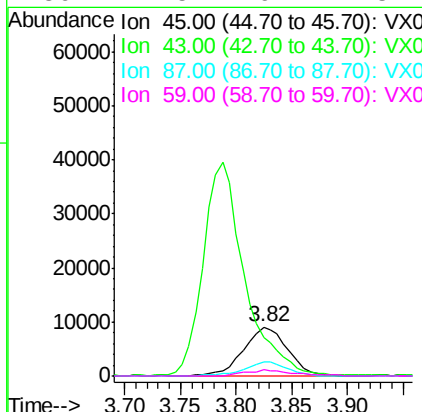
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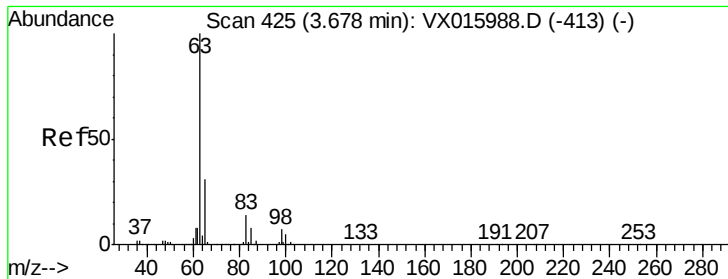
MMDadoda
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#20
Diisopropyl ether
Concen: 2.429 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.3	53.0	79.4
87	30.6	21.9	32.9
59	12.5	9.1	13.7





#21

1,1-Dichloroethane

Concen: 2.503 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

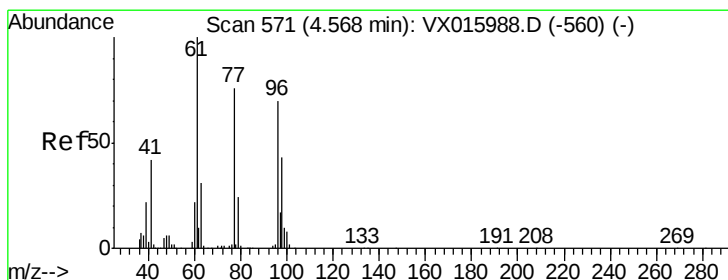
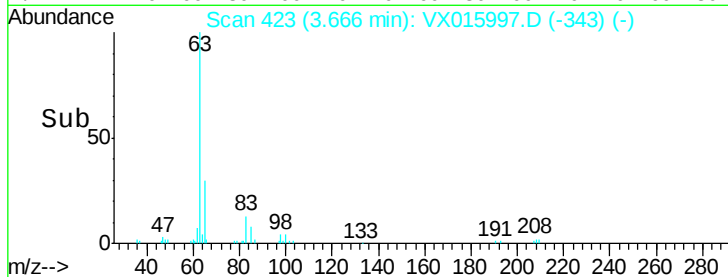
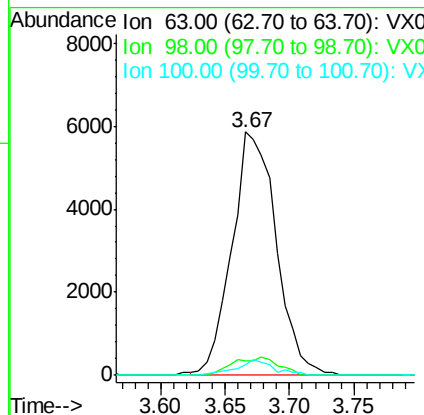
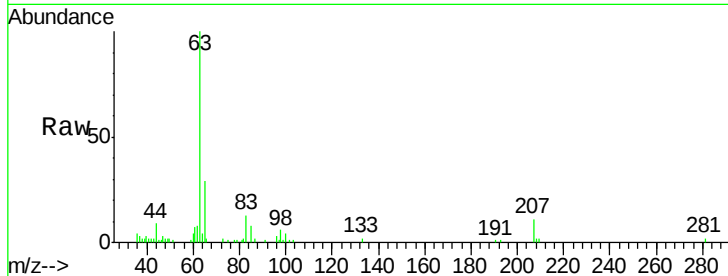
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	63	Resp:	13996
Ion Ratio	Lower	Upper	
63	100		
98	5.7	3.5	10.4
100	4.3	2.3	6.9

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#22

cis-1,2-Dichloroethene

Concen: 2.560 ug/l

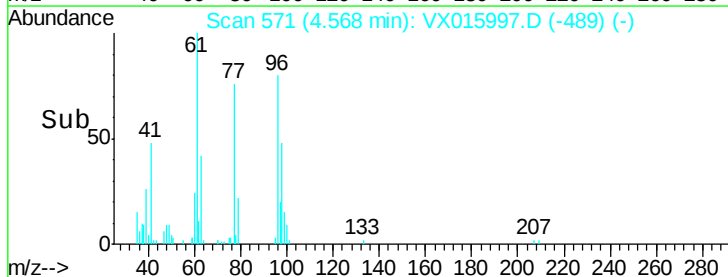
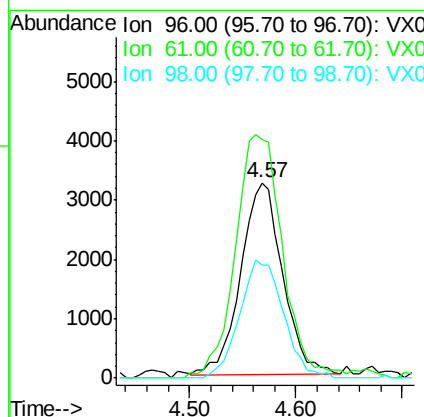
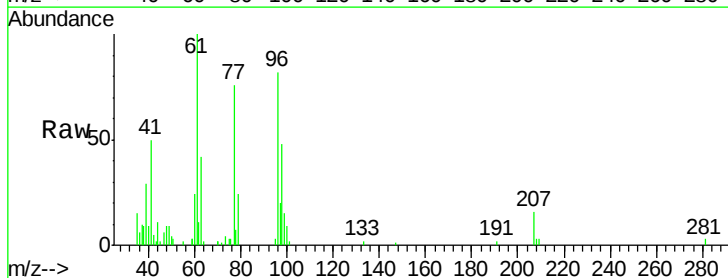
RT: 4.57 min Scan# 571

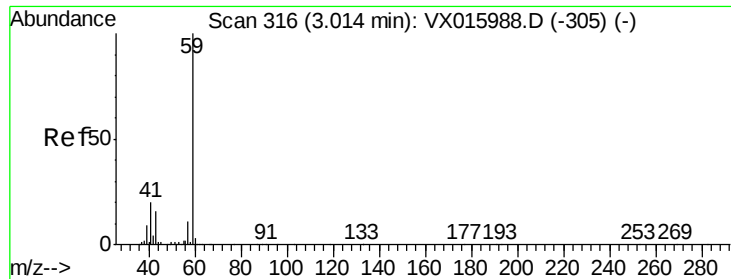
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	96	Resp:	8908
Ion Ratio	Lower	Upper	
96	100		
61	142.3	121.6	182.4
98	64.6	51.9	77.9





#23

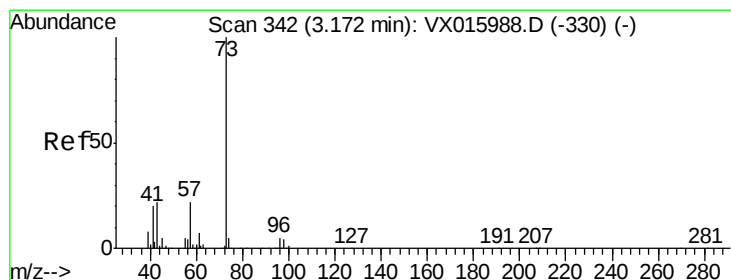
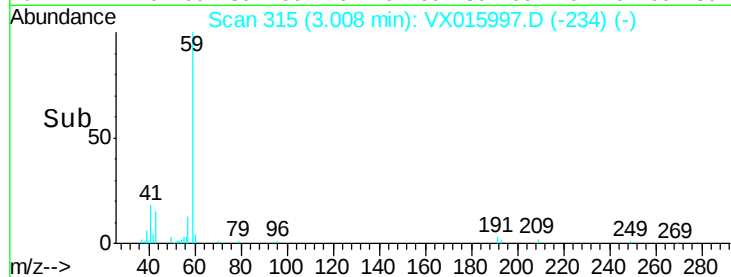
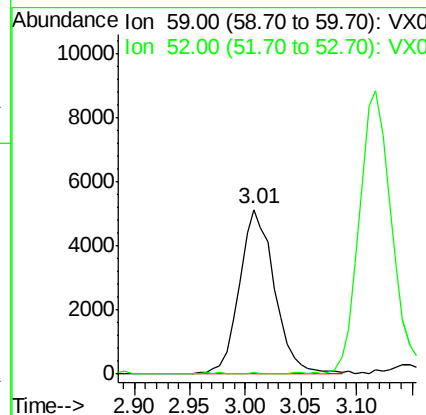
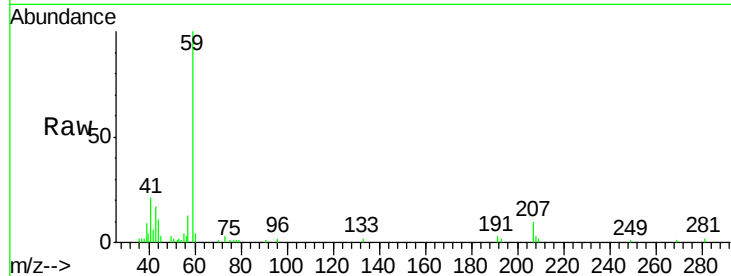
tert-Butyl Alcohol
 Concen: 12.807 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#

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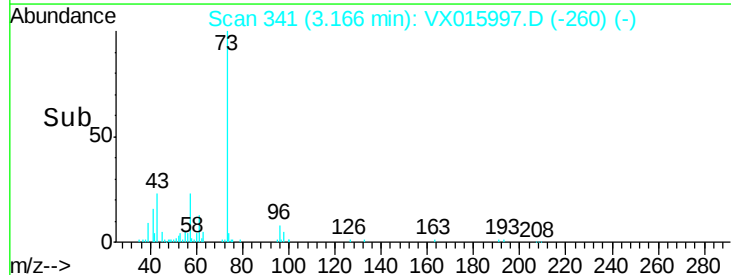
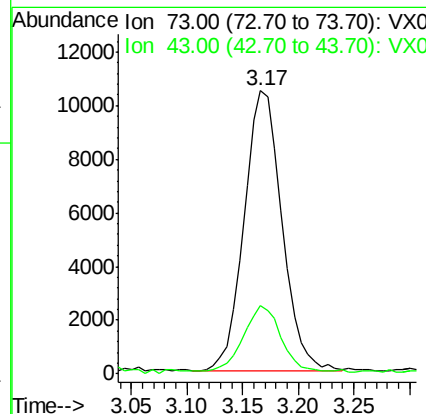
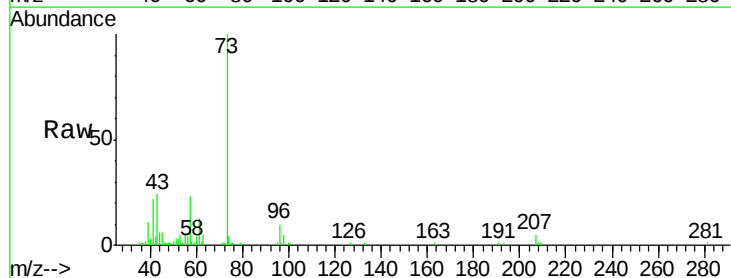
MMDadoda
 5/4/2020 3:10:26 PM

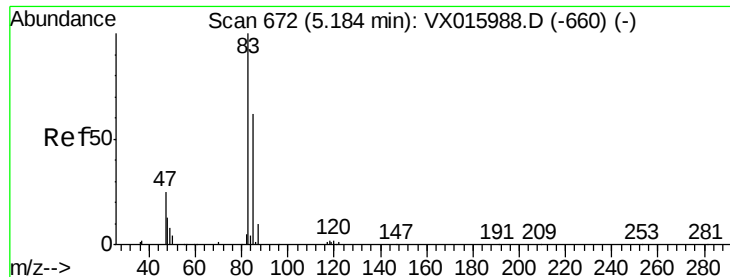


#24

Methyl tert-Butyl Ether
 Concen: 2.465 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.7	17.8	26.6





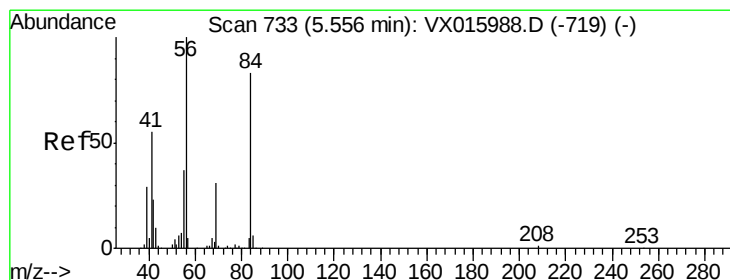
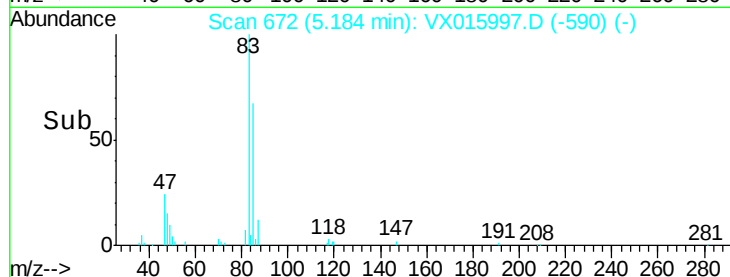
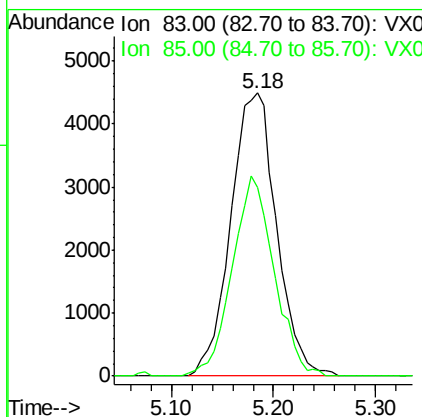
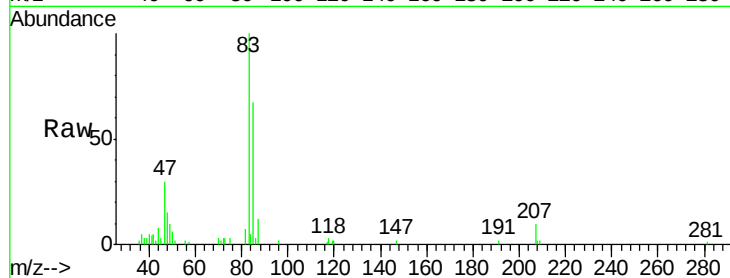
#25
Chloroform
Concen: 2.464 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	83	Resp	13990
Ion Ratio	100	Lower	Upper
83	100		
85	66.7	49.6	74.4

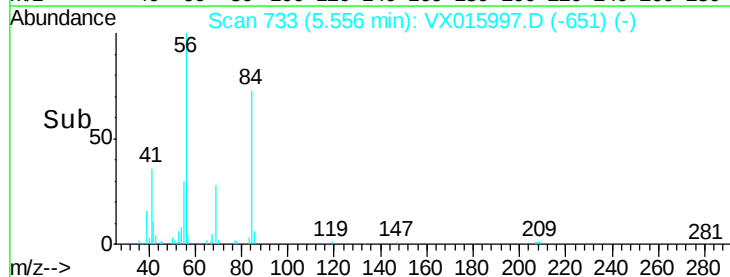
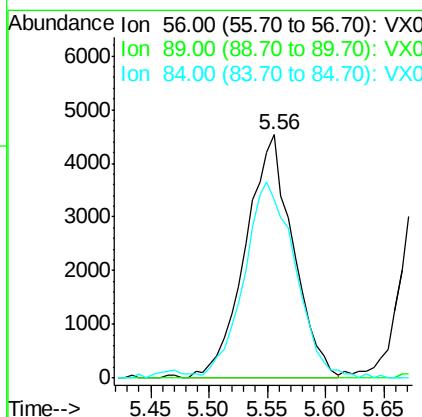
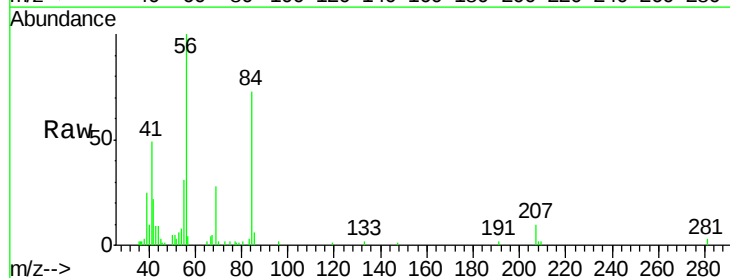
Manual Integrations
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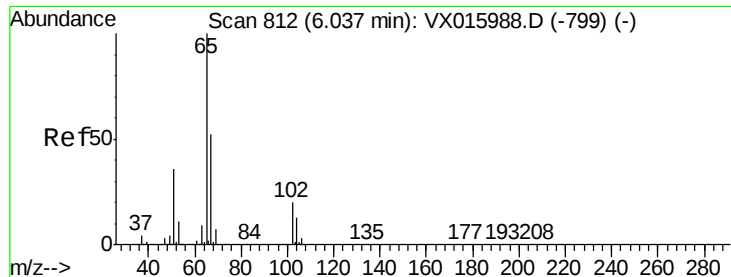
MMDadoda
5/4/2020 3:10:26 PM



#26
Cyclohexane
Concen: 2.514 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	56	Resp	12856
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.1	0.1#
84	85.9	70.1	105.1





#27

1,2-Dichloroethane-d4

Concen: 31.381 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 65 Resp: 118159

Ion Ratio Lower Upper

65 100

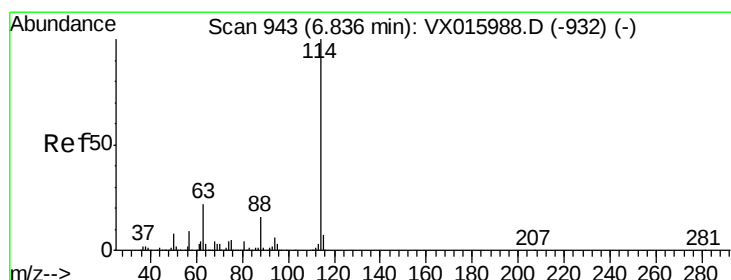
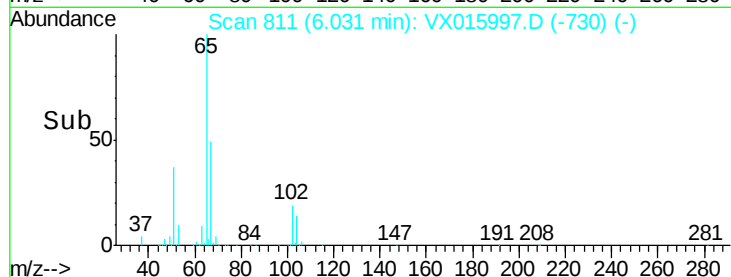
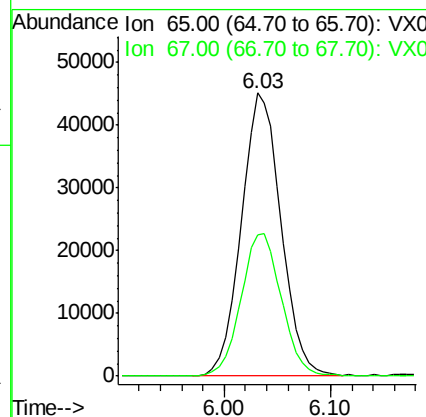
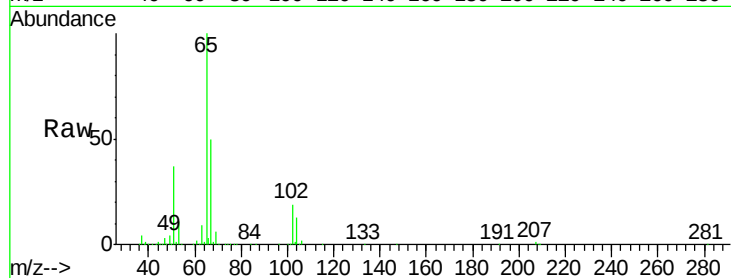
67 51.2 41.0 61.4

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

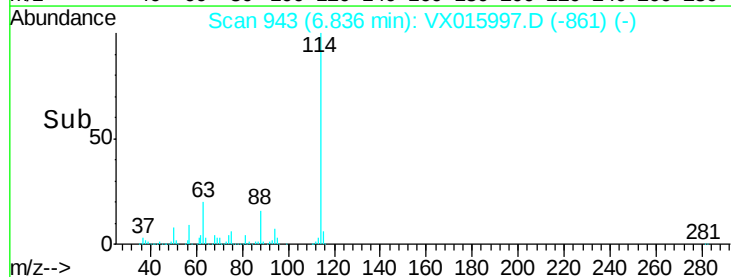
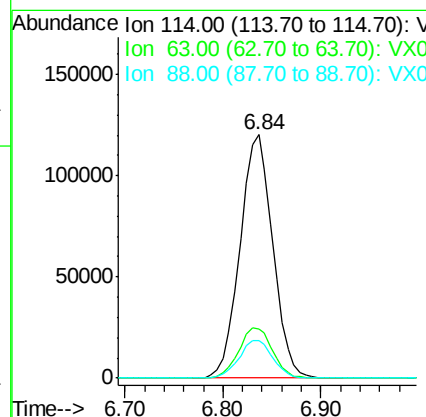
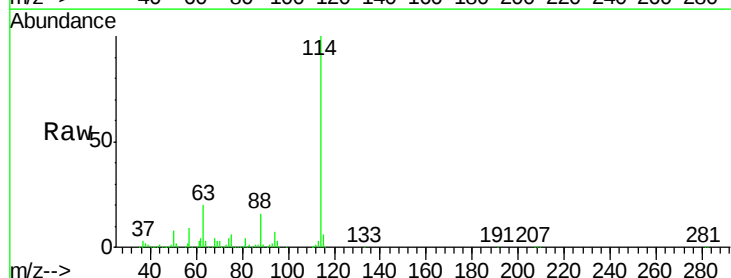
Tgt Ion: 114 Resp: 279198

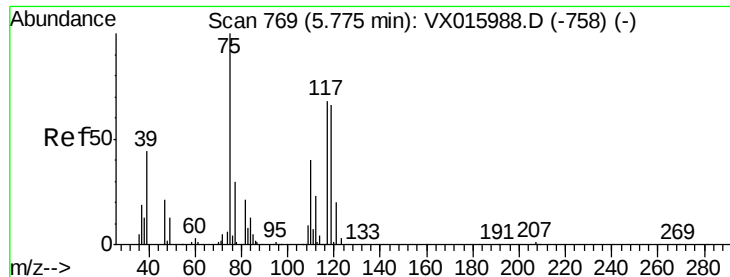
Ion Ratio Lower Upper

114 100

63 21.2 17.1 25.7

88 16.0 13.0 19.4





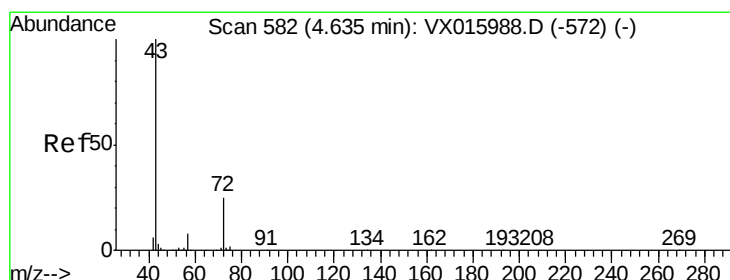
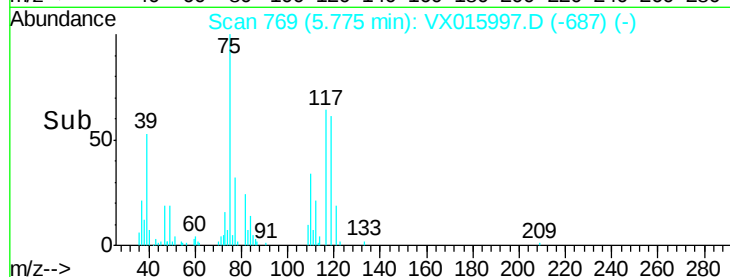
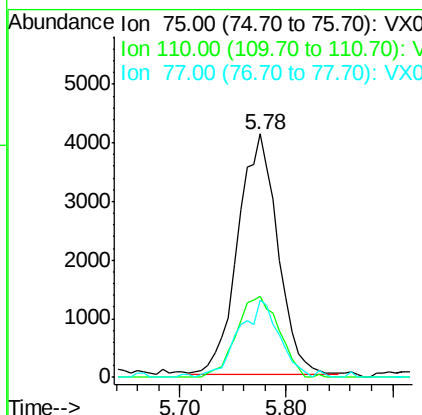
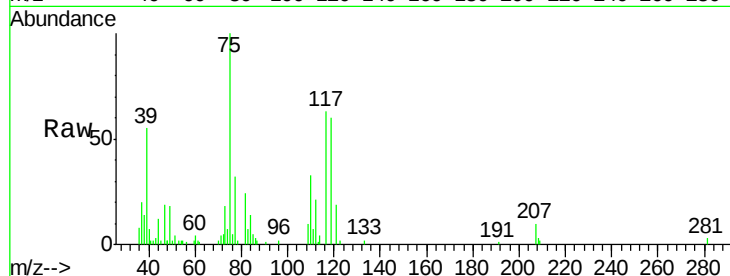
#29
 1,1-Dichloropropene
 Concen: 2.439 ug/l
 RT: 5.78 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.1	0.0	71.0
77	17.8	0.0	64.2

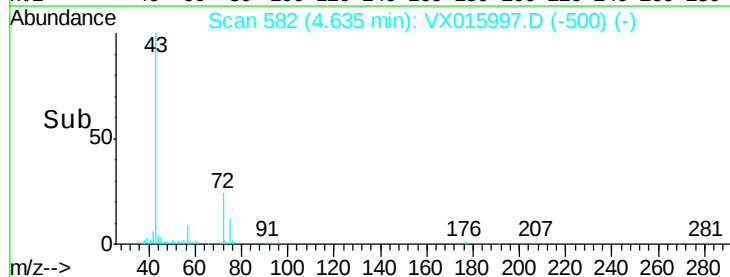
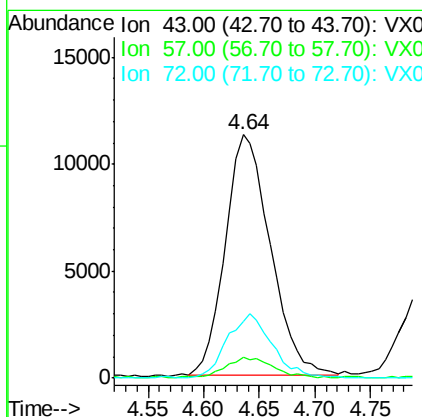
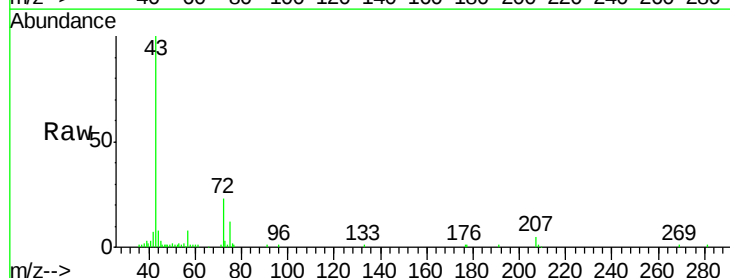
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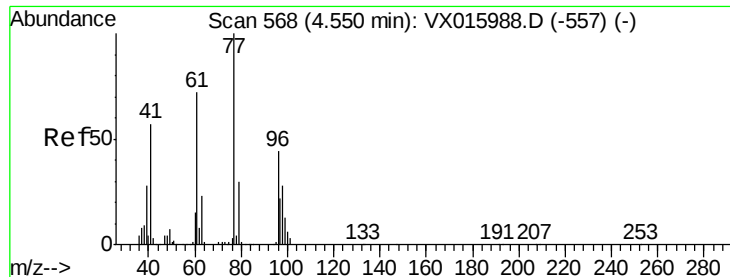
MMDadoda
 5/4/2020 3:10:26 PM



#30
 2-Butanone
 Concen: 12.085 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	6.3	9.5
72	26.8	20.8	31.2





#31

2,2-Dichloropropane

Concen: 2.475 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 77 Resp: 13080

Ion Ratio Lower Upper

77 100

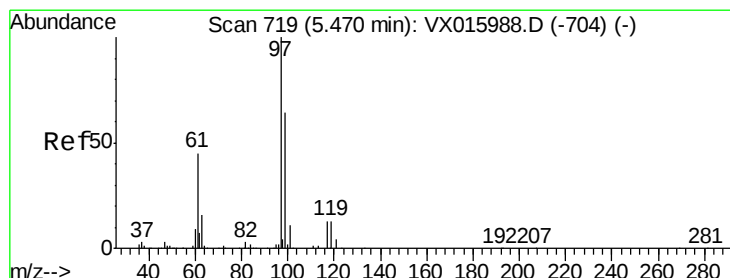
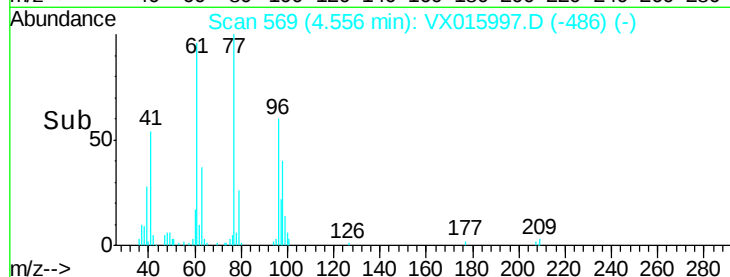
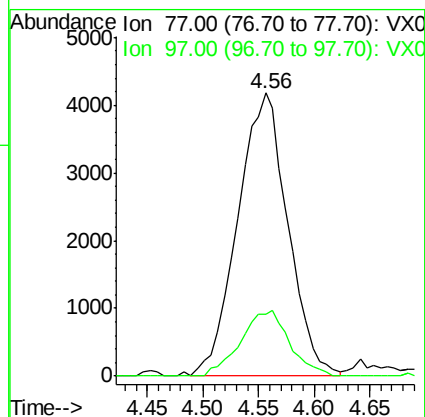
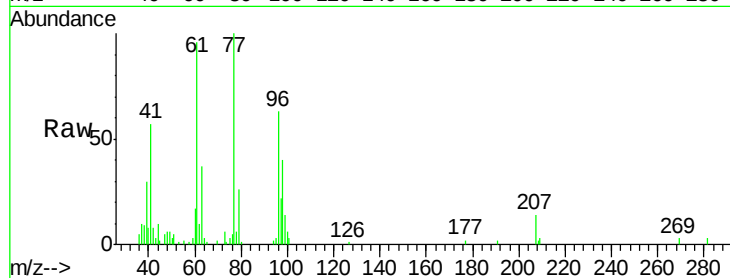
97 22.7 17.8 26.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 2.448 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

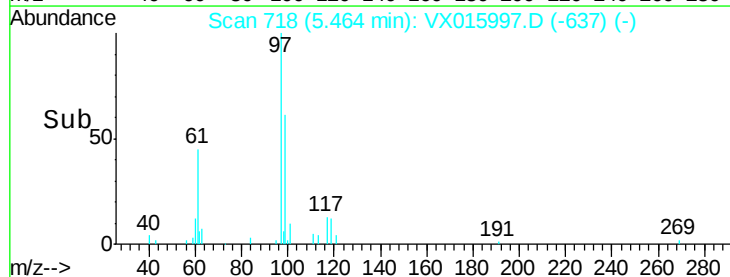
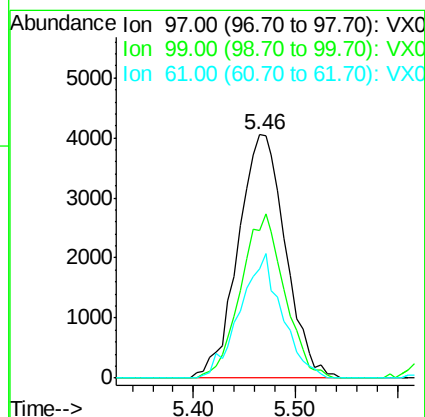
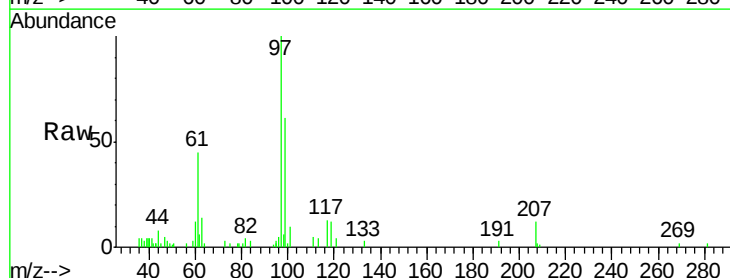
Tgt Ion: 97 Resp: 13042

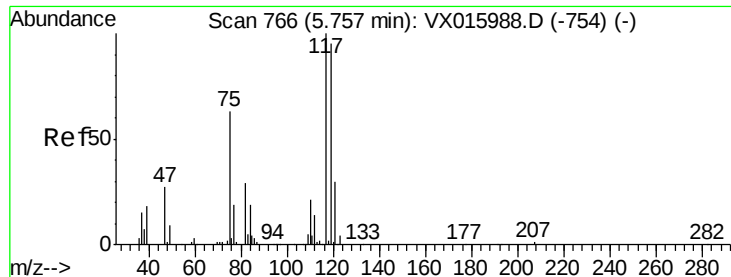
Ion Ratio Lower Upper

97 100

99 61.9 50.7 76.1

61 45.4 35.9 53.9





#33

Carbon Tetrachloride

Concen: 2.476 ug/l

RT: 5.76 min Scan# 766

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

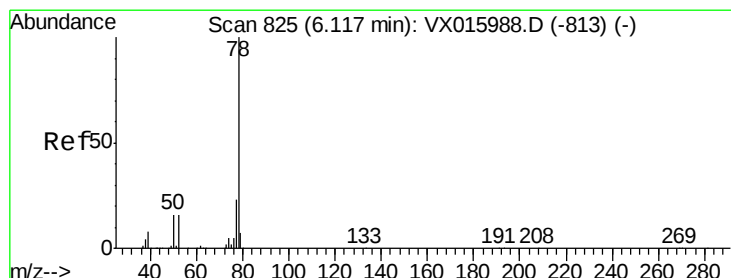
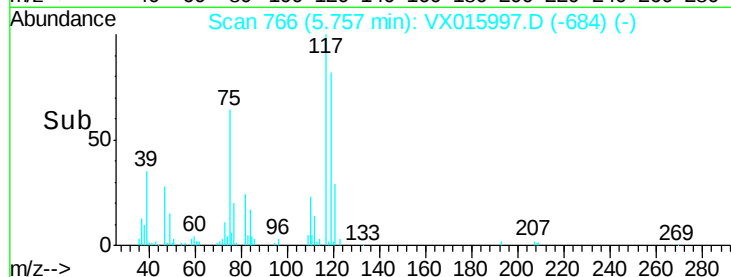
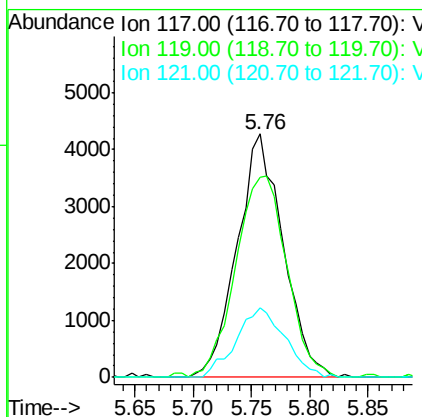
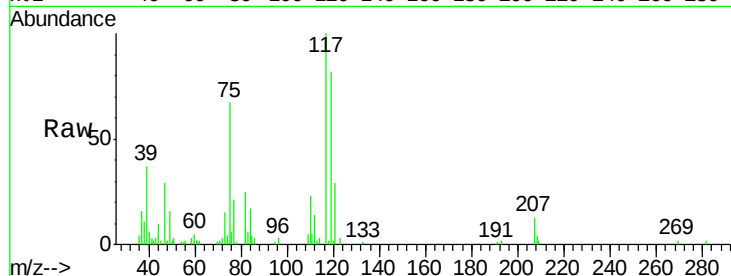
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	117	Resp:	11742
Ion	Ratio	Lower	Upper
117	100		
119	82.2	76.3	114.5
121	28.8	24.2	36.4

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#34

Benzene

Concen: 2.398 ug/l

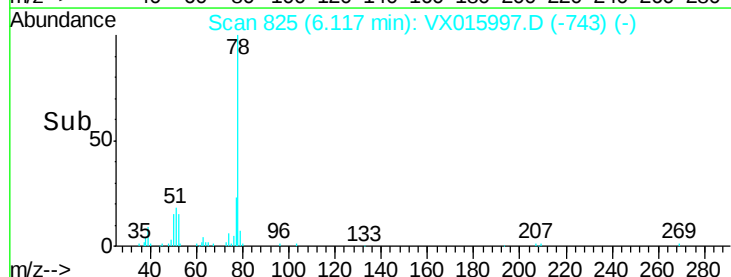
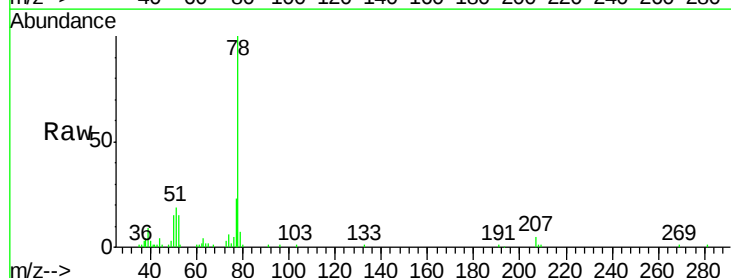
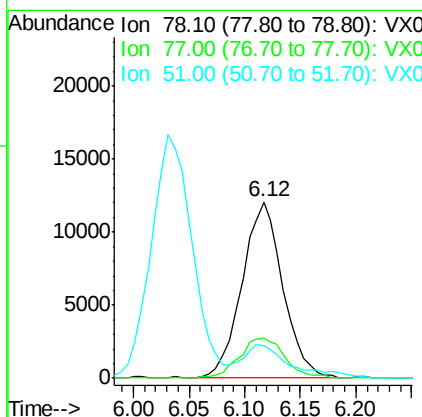
RT: 6.12 min Scan# 825

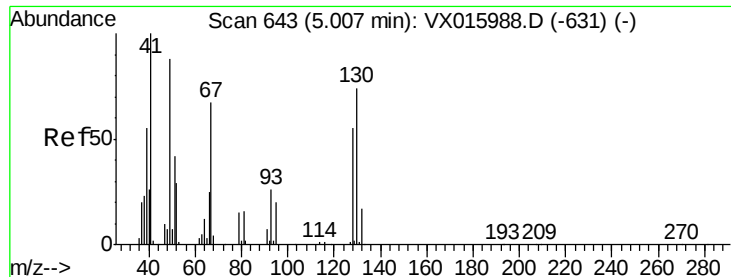
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	78	Resp:	30761
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.7	28.1
51	15.6	12.7	19.1





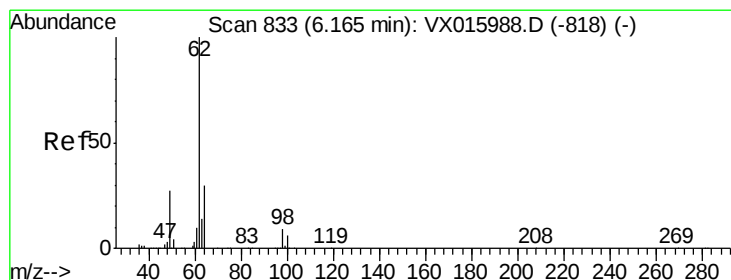
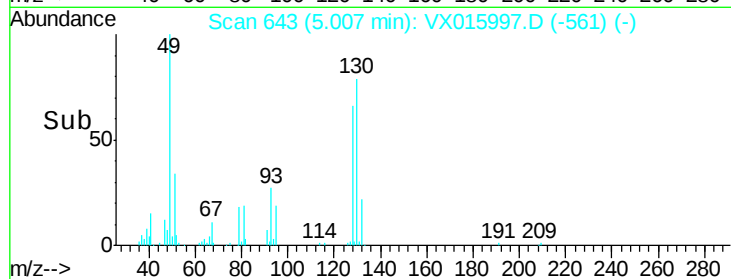
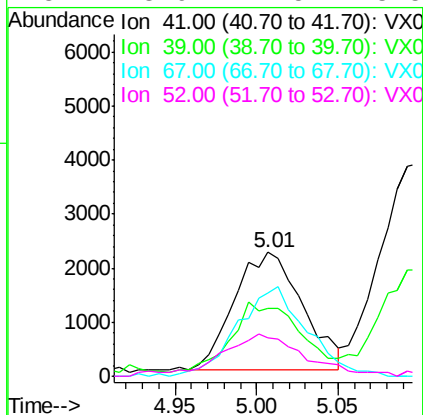
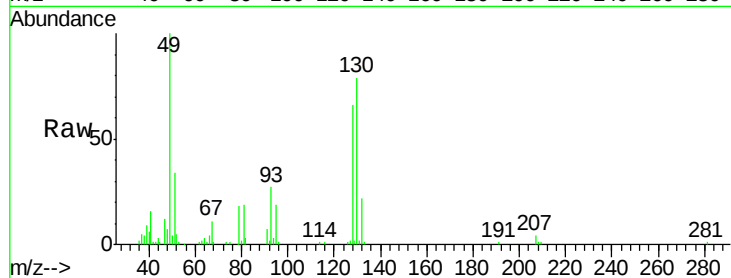
#35
Methacrylonitrile
Concen: 2.259 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	27.5	82.4
67	65.9	33.6	100.6
52	28.9	14.5	43.5

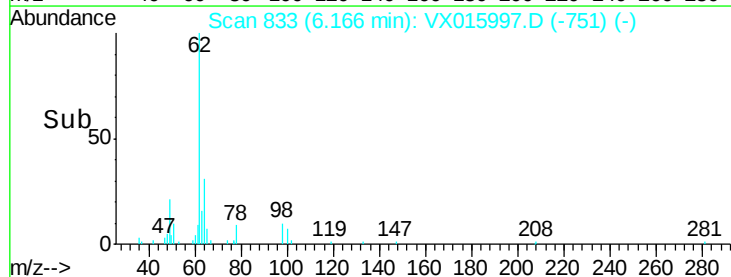
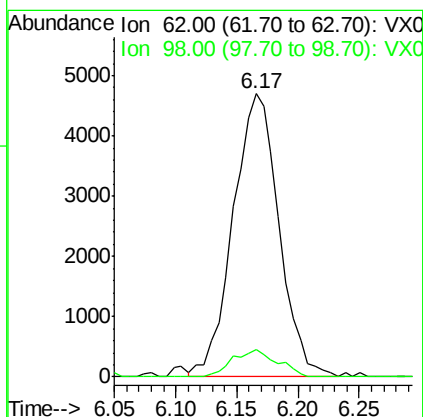
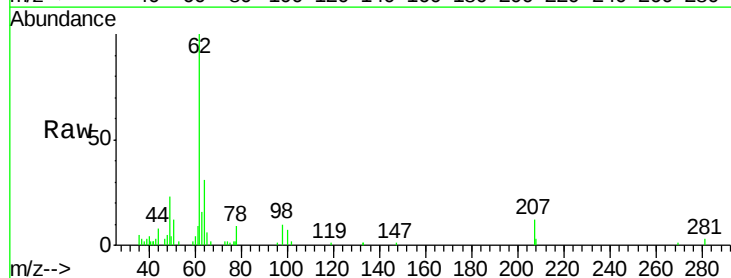
Manual Integrations
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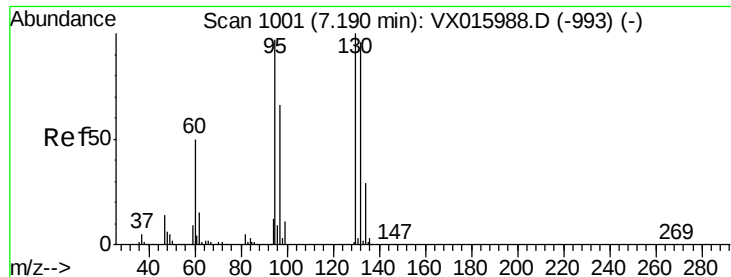
MMDadoda
5/4/2020 3:10:26 PM



#36
1,2-Dichloroethane
Concen: 2.500 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2





#37

Trichloroethene

Concen: 2.498 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:130 Resp: 11399

Ion Ratio Lower Upper

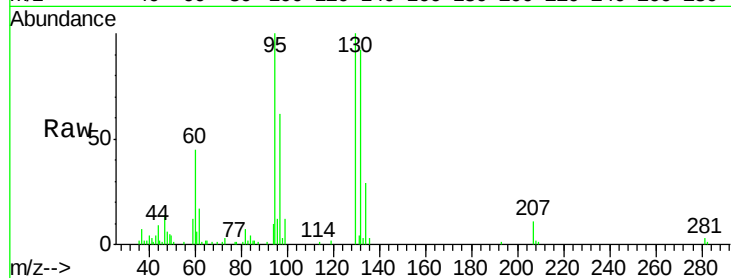
130 100

95 100.1 77.8 116.8

Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

6000

5000

4000

3000

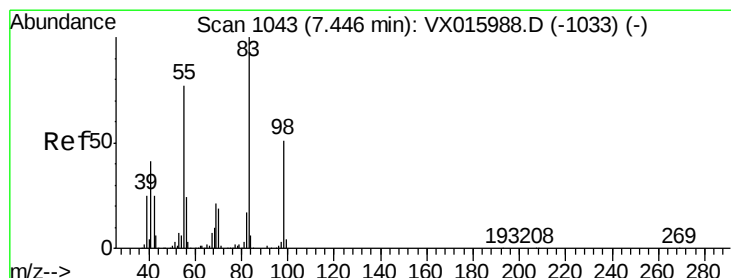
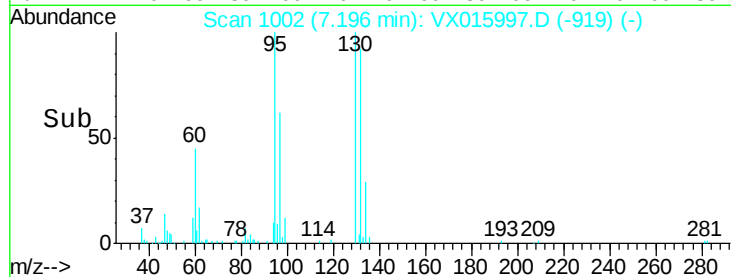
2000

1000

0

7.10 7.15 7.20 7.25

Time-->



#38

Methylcyclohexane

Concen: 2.354 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

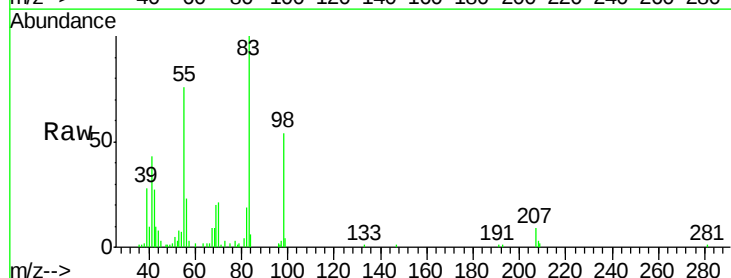
Tgt Ion: 83 Resp: 12634

Ion Ratio Lower Upper

83 100

55 81.8 38.8 116.4

98 48.9 25.1 75.3



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

6000

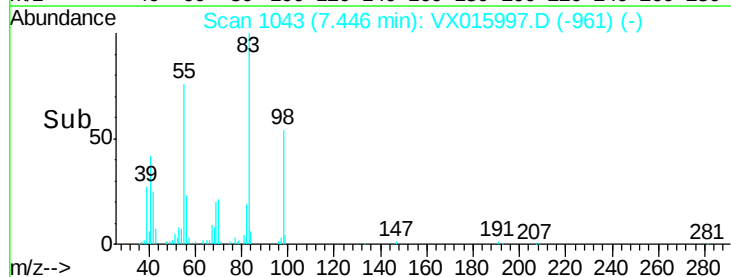
4000

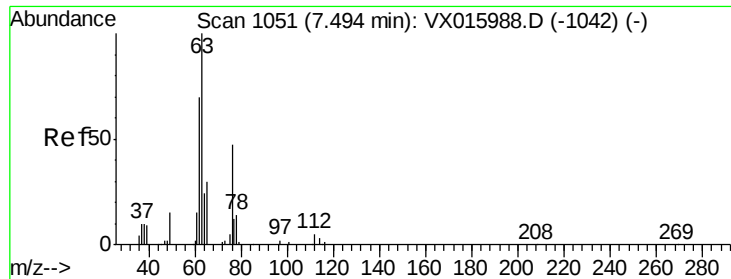
2000

0

7.35 7.40 7.45 7.50

Time-->





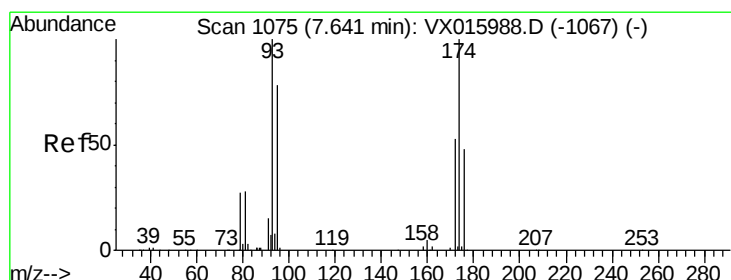
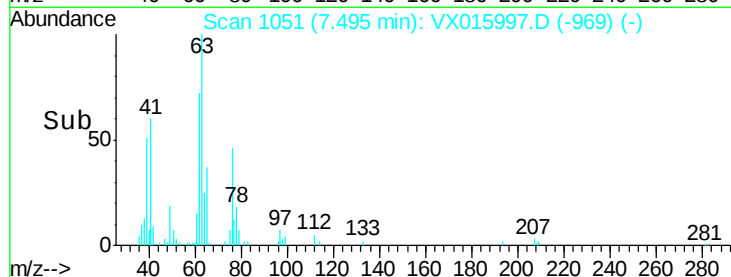
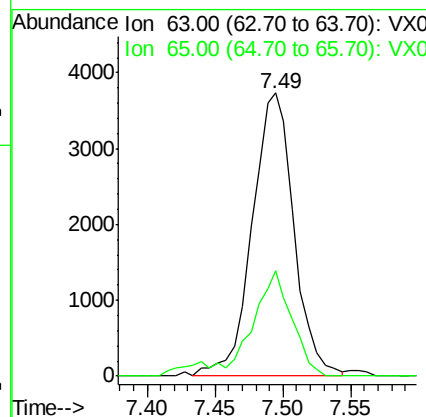
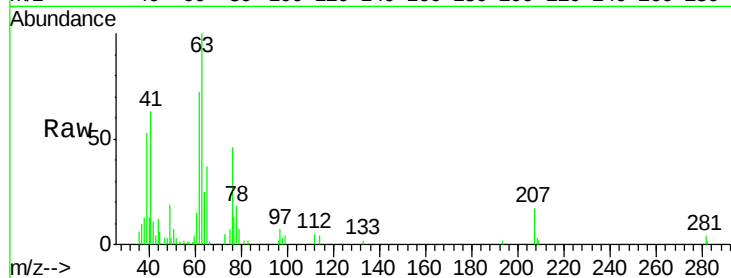
#39
 1,2-Dichloropropane
 Concen: 2.428 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.4	25.9	38.9

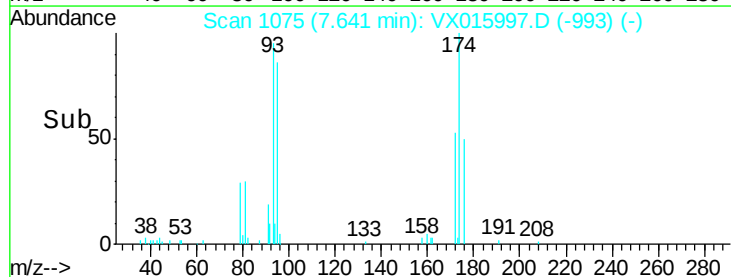
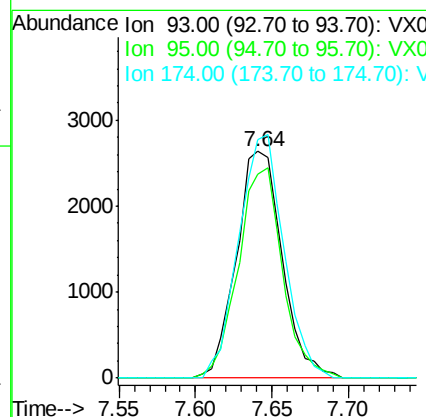
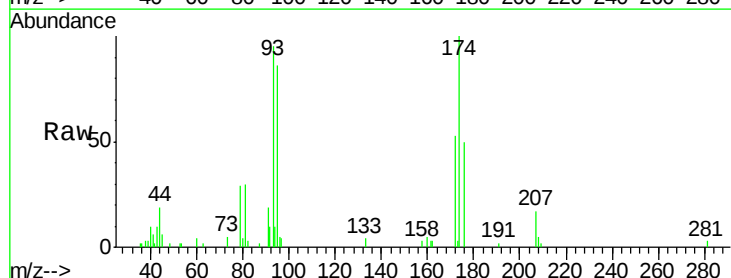
Manual Integrations
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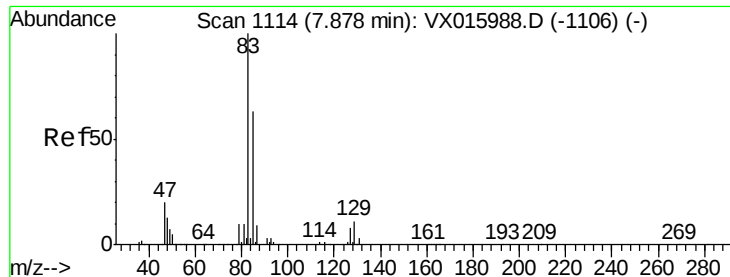
MMDadoda
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#40
 Dibromomethane
 Concen: 2.407 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	89.5	0.0	162.8
174	105.4	0.0	204.0





#41

Bromodichloromethane

Concen: 2.331 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

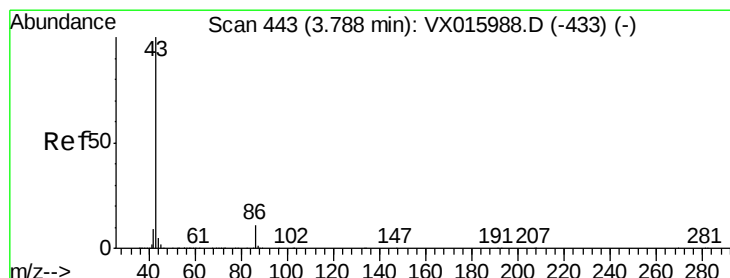
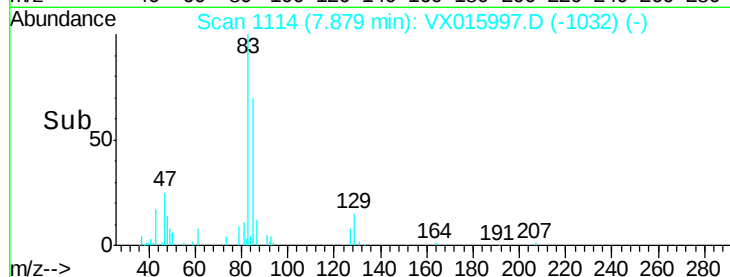
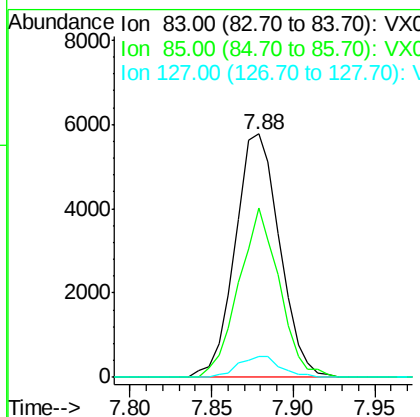
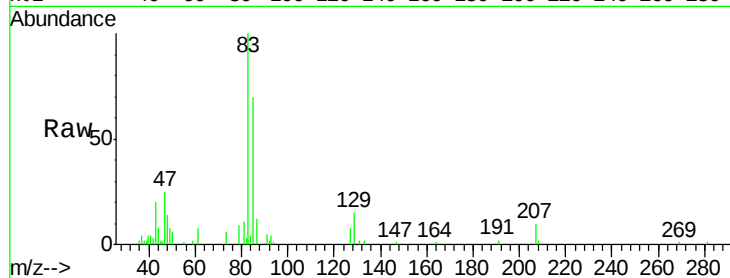
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	83	Resp:	10986
Ion	Ratio	Lower	Upper
83	100		
85	69.5	50.4	75.6
127	8.3	6.7	10.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 11.710 ug/l

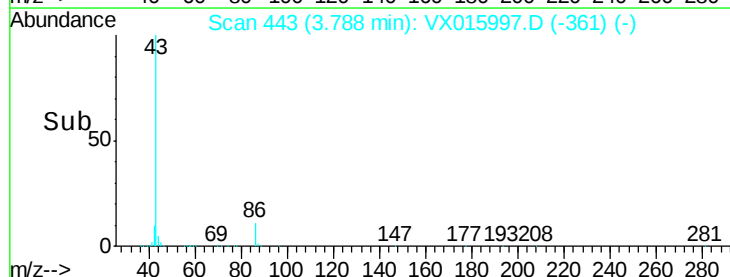
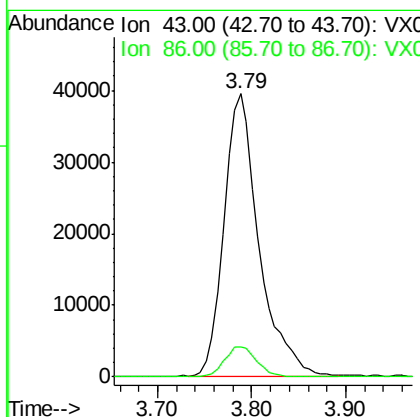
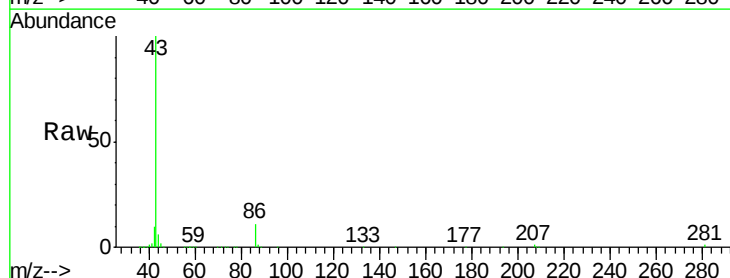
RT: 3.79 min Scan# 443

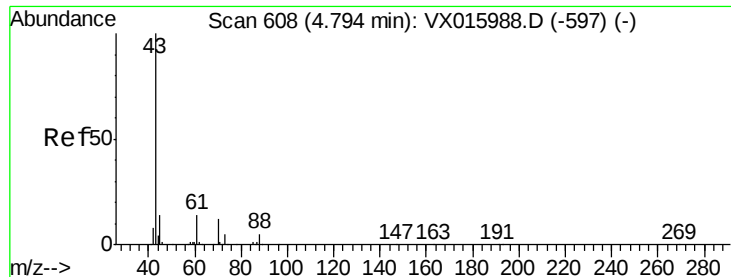
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	43	Resp:	101369
Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.7	11.5





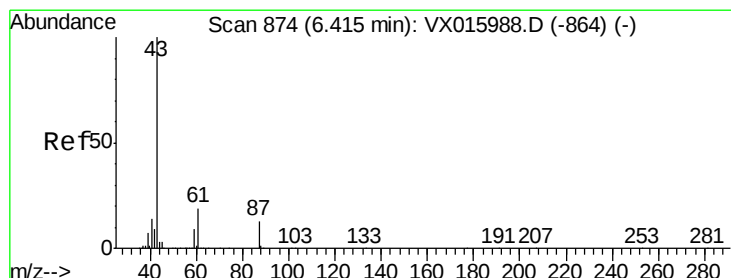
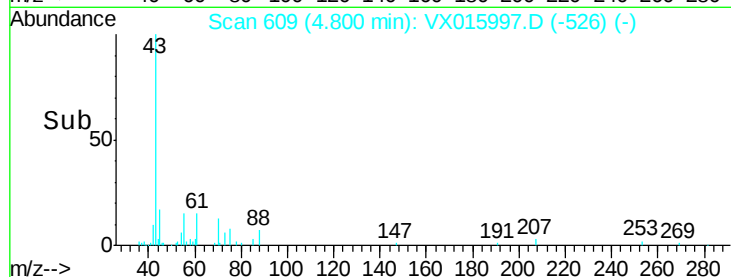
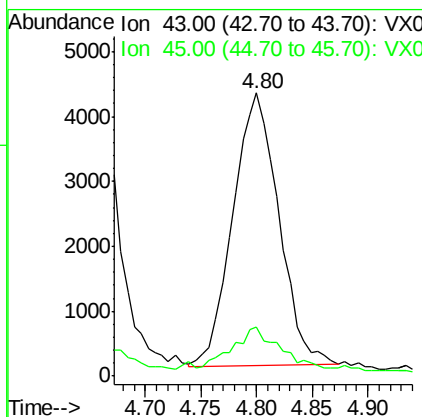
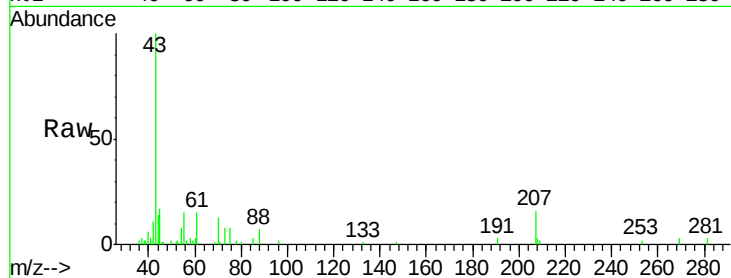
#43
Ethyl Acetate
Concen: 2.335 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.8	11.9	17.9#

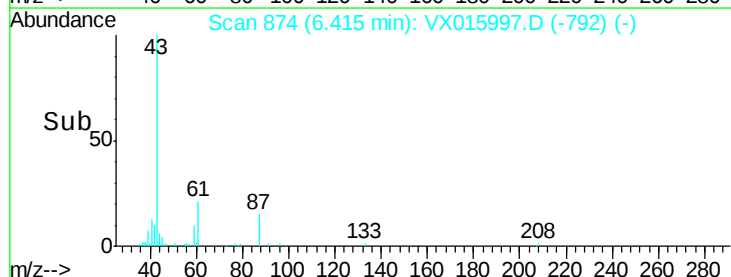
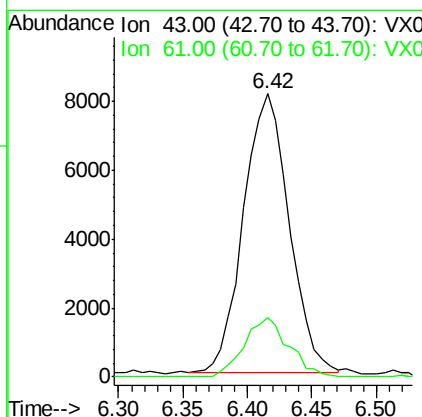
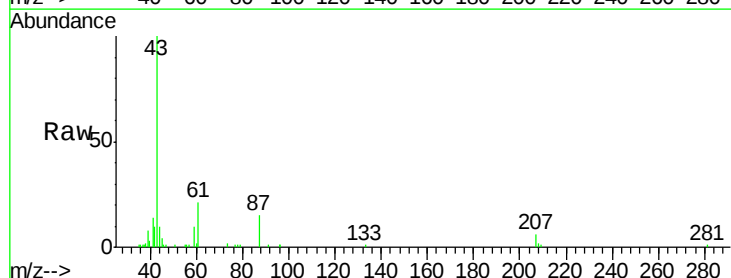
Manual Integrations
APPROVED

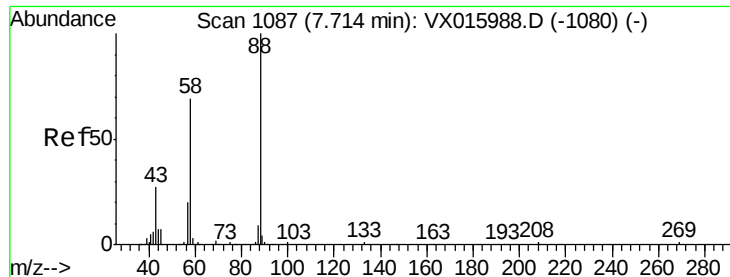
MMDadoda
5/4/2020 3:10:26 PM



#44
Isopropyl Acetate
Concen: 2.366 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1





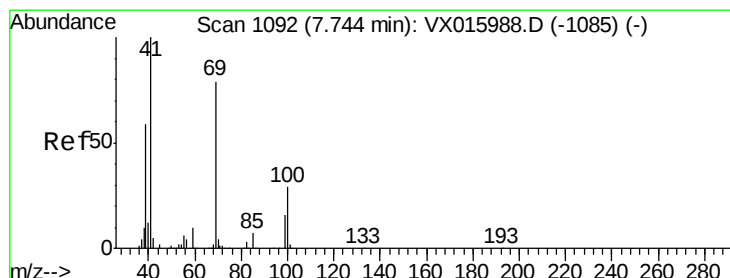
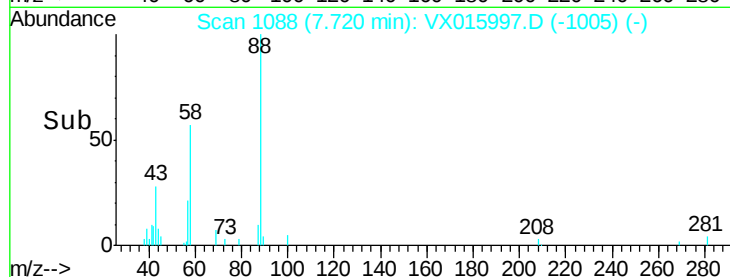
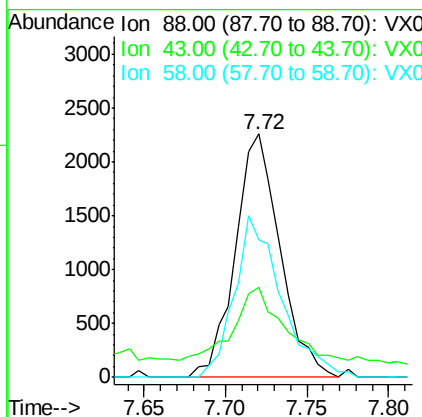
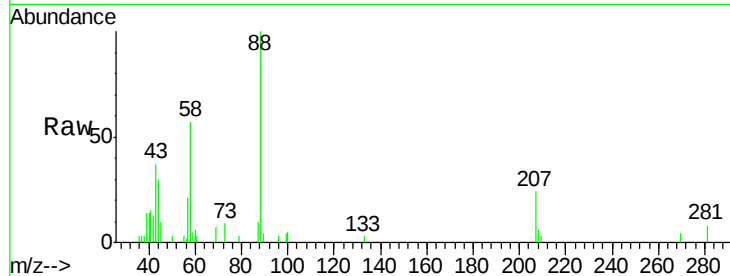
#45
 1,4-Dioxane
 Concen: 48.796 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	88	Resp:	4317
Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.3	39.5
58	69.3	57.0	85.6

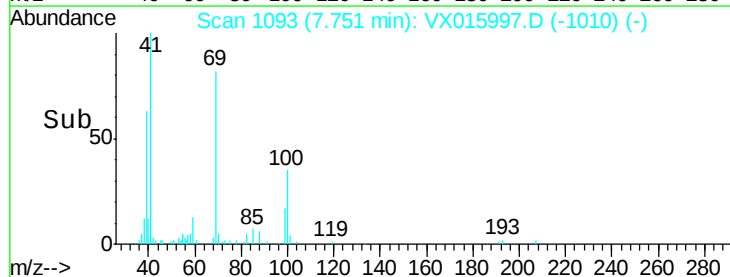
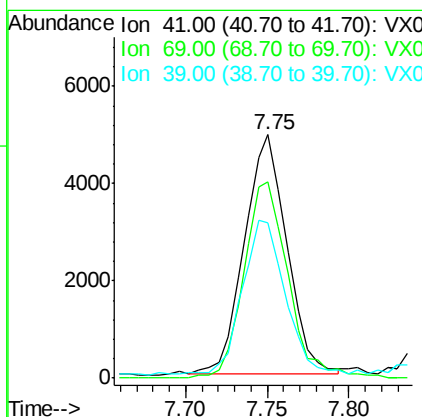
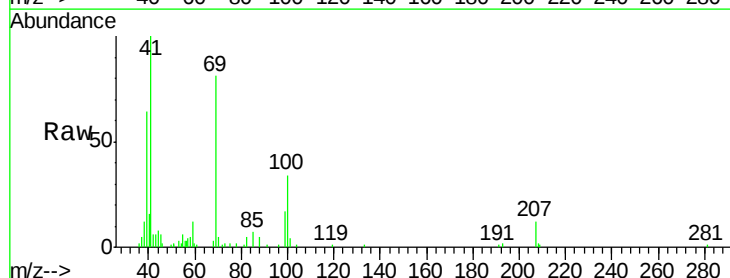
Manual Integrations
 APPROVED

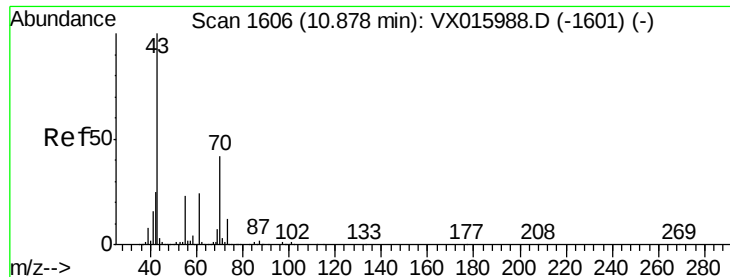
MMDadoda
 5/4/2020 3:10:26 PM



#46
 Methyl methacrylate
 Concen: 2.240 ug/l
 RT: 7.75 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion:	41	Resp:	8895
Ion	Ratio	Lower	Upper
41	100		
69	82.2	39.5	118.5
39	63.0	29.6	88.9





#47

n-amvl Acetate

Concen: 2.198 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 43 Resp: 16101

Ion Ratio Lower Upper

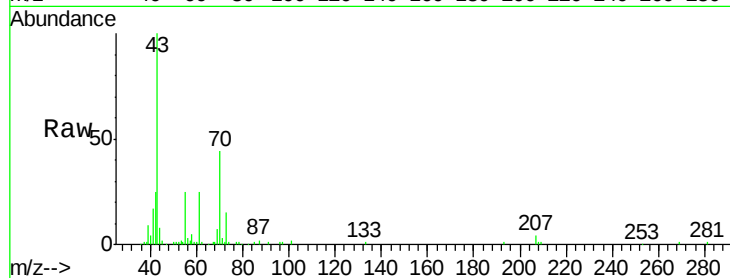
43 100

55 25.0 19.0 28.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

15000

10000

5000

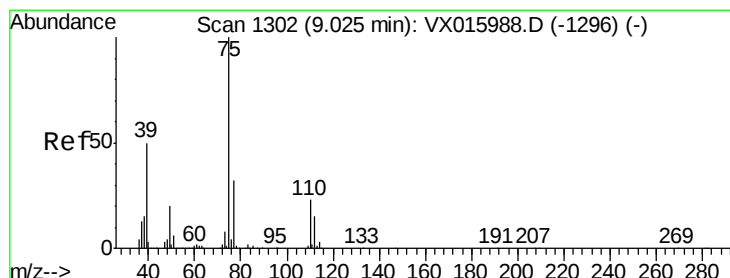
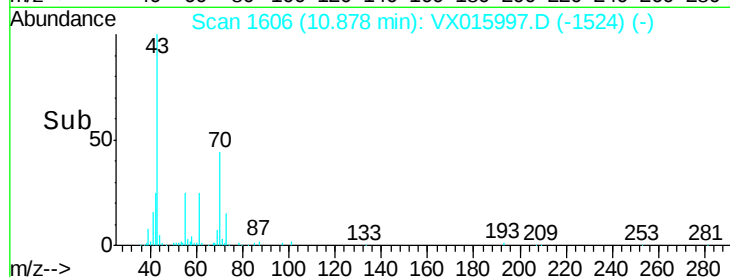
0

10.85

10.88

10.90

Time-->



#48

t-1,3-Dichloropropene

Concen: 2.317 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015997.D

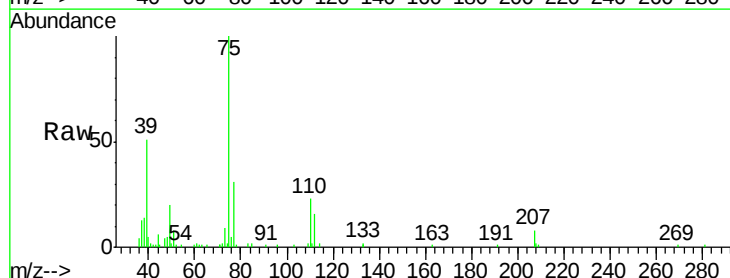
Acq: 30 Apr 2020 16:00

Tgt Ion: 75 Resp: 12683

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

10000

8000

6000

4000

2000

0

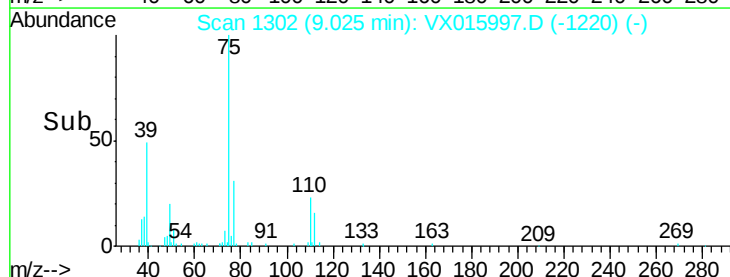
8.95

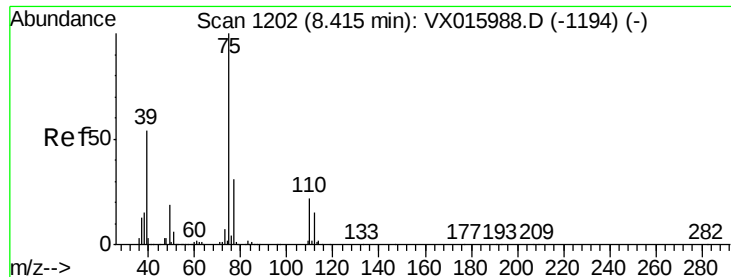
9.00

9.02

9.05

Time-->





#49

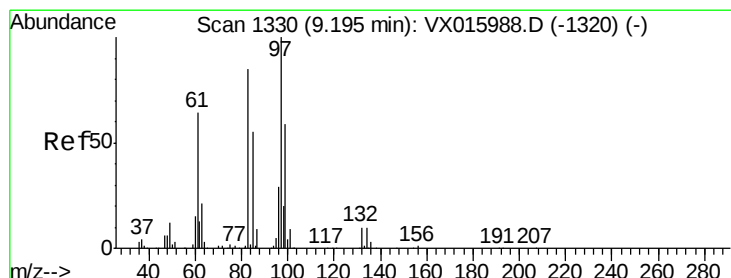
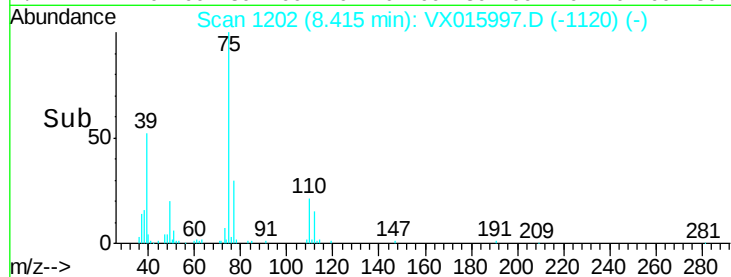
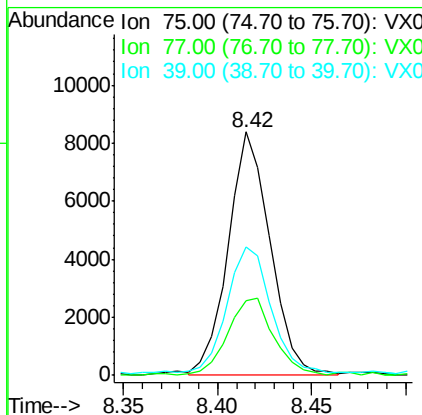
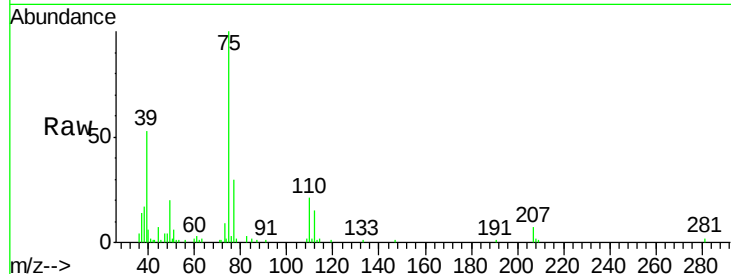
cis-1,3-Dichloropropene
 Concen: 2.303 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	75	Resp:	13025
Ion Ratio	Lower	Upper	
75	100		
77	30.0	25.0	37.6
39	52.0	43.2	64.8

Manual Integrations
 APPROVED

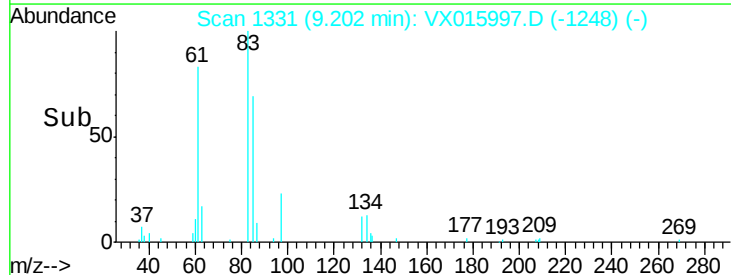
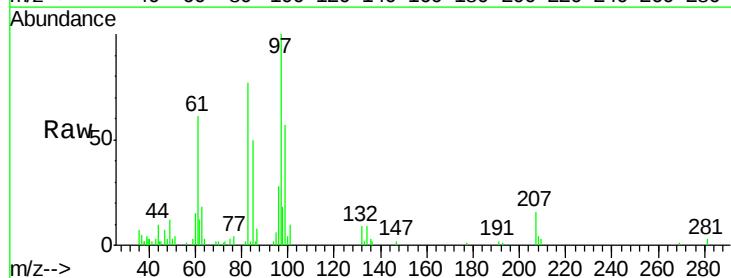
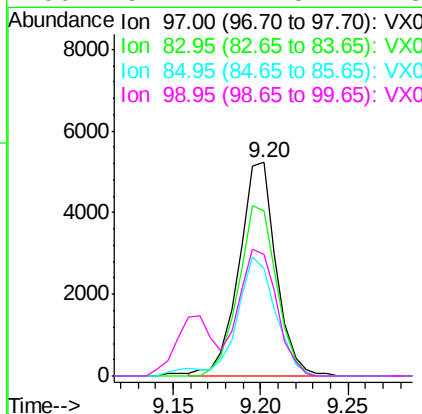
MMDadoda
 5/4/2020 3:10:26 PM

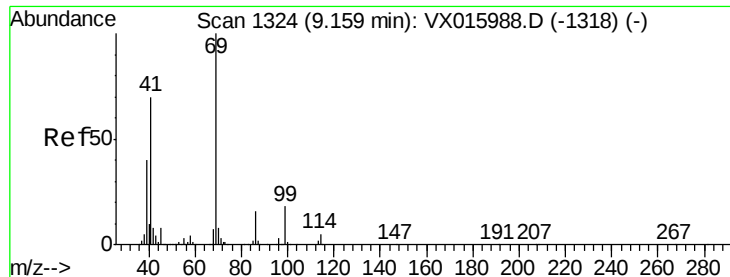


#50

1,1,2-Trichloroethane
 Concen: 2.395 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion:	97	Resp:	7716
Ion Ratio	Lower	Upper	
97	100		
83	77.5	67.7	101.5
85	50.4	43.7	65.5
99	57.1	47.5	71.3





#51

Ethyl methacrylate

Concen: 2.160 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

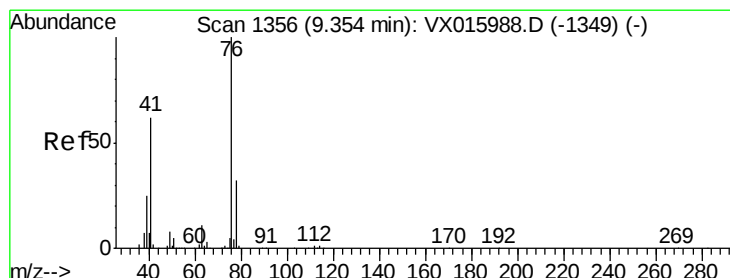
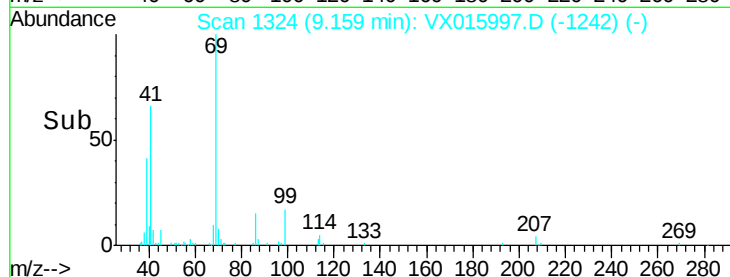
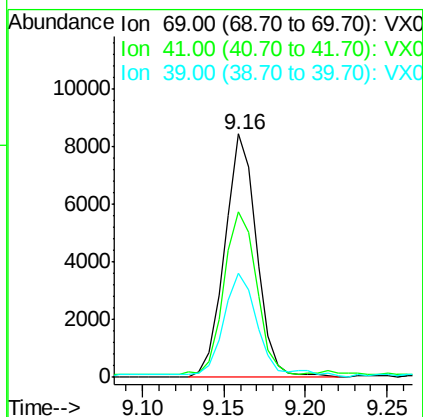
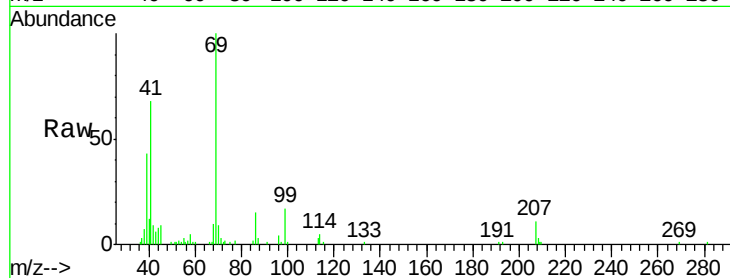
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	69	Resp:	11490
Ion	Ratio	Lower	Upper
69	100		
41	66.6	34.8	104.4
39	41.8	19.8	59.4

Manual Integrations
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5/4/2020 3:10:26 PM



#52

1,3-Dichloropropane

Concen: 2.411 ug/l

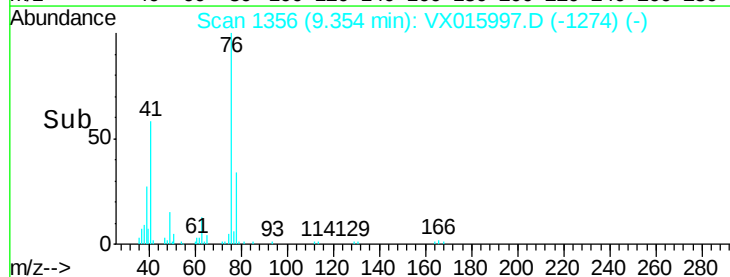
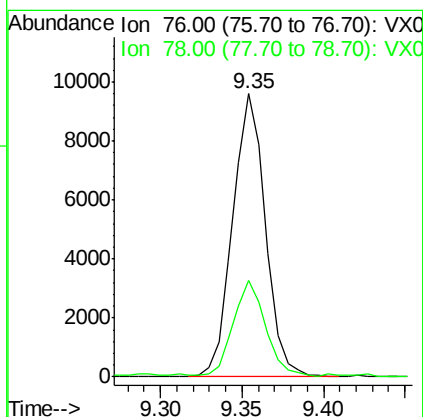
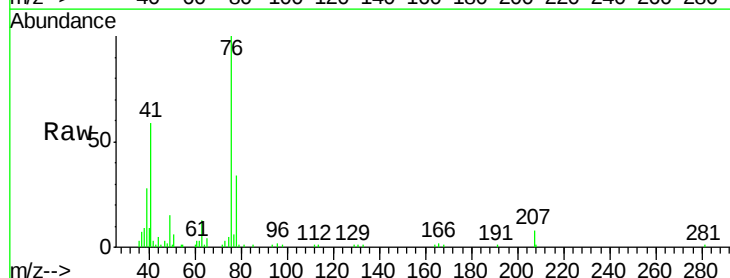
RT: 9.35 min Scan# 1356

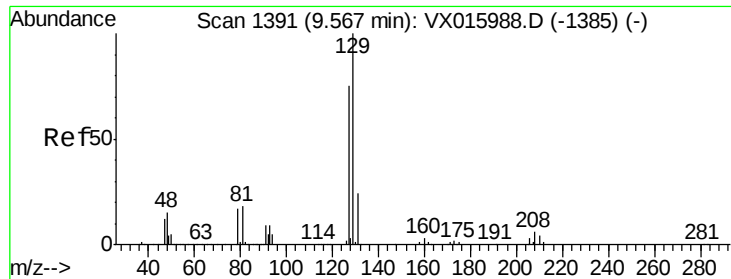
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	76	Resp:	13429
Ion	Ratio	Lower	Upper
76	100		
78	33.7	0.0	64.2





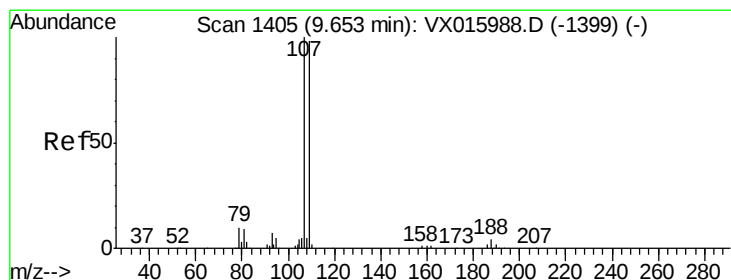
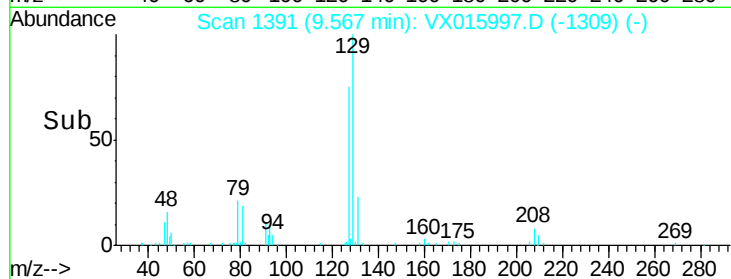
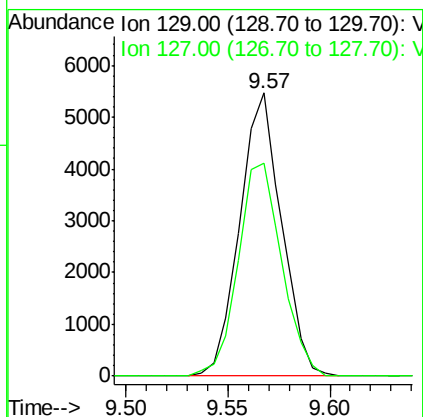
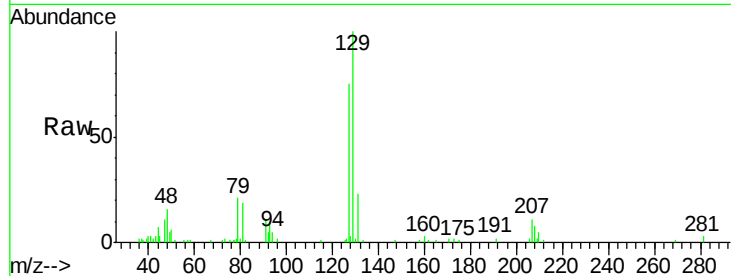
#53
Dibromochloromethane
Concen: 2.124 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.3	114.9

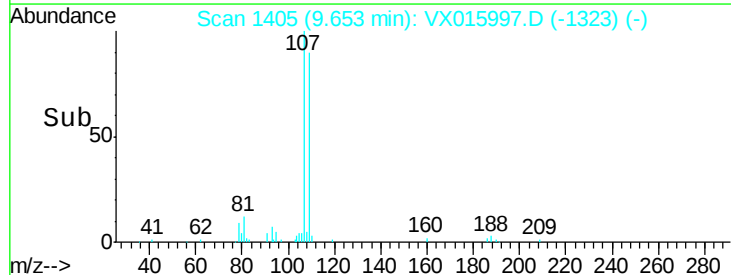
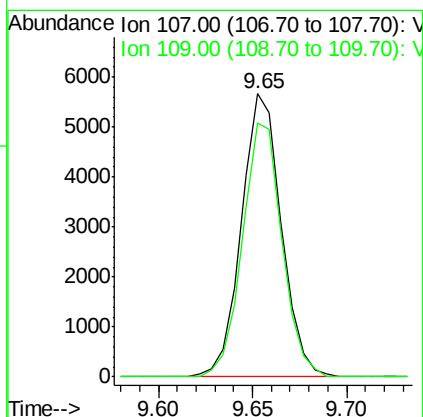
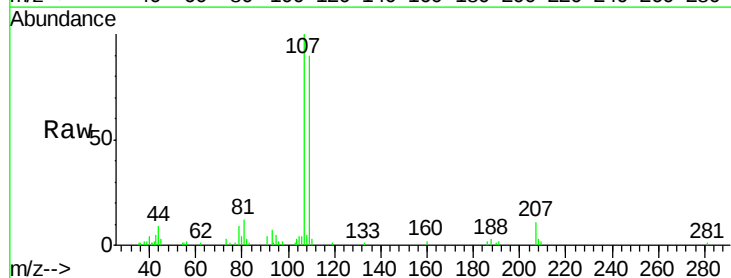
Manual Integrations
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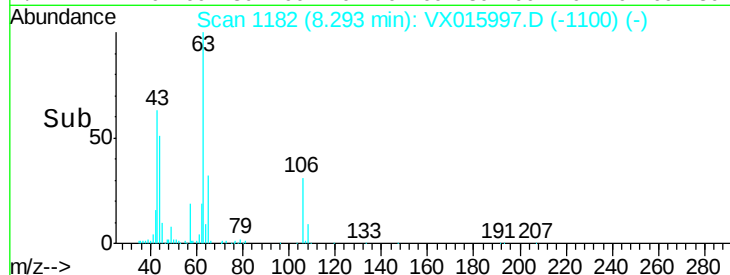
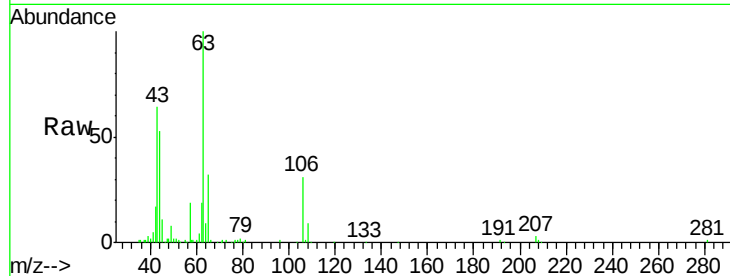
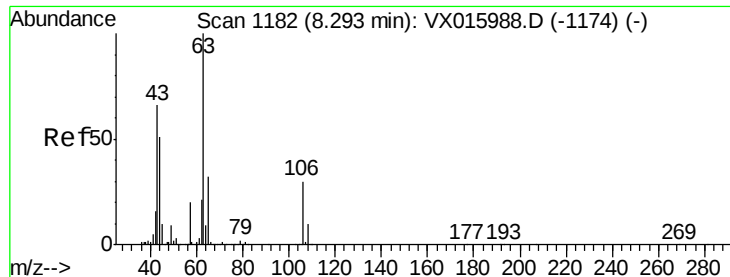
MMDadoda
5/4/2020 3:10:26 PM



#54
1,2-Dibromoethane
Concen: 2.347 ug/l
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
107	100		
109	88.9	74.7	112.1





#55

2-Chloroethyl vinyl ether

Concen: 11.376 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tot Ion:	63	Resp:	32925
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.6	38.4
106	29.0	23.4	35.0

Instrument :

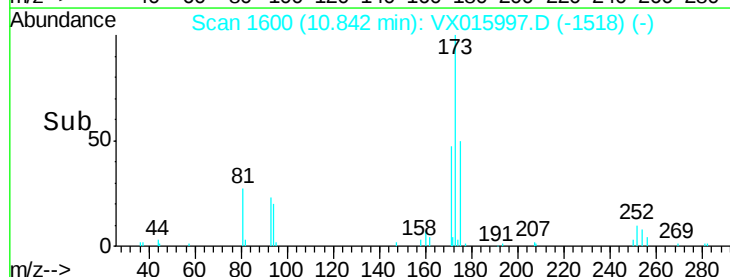
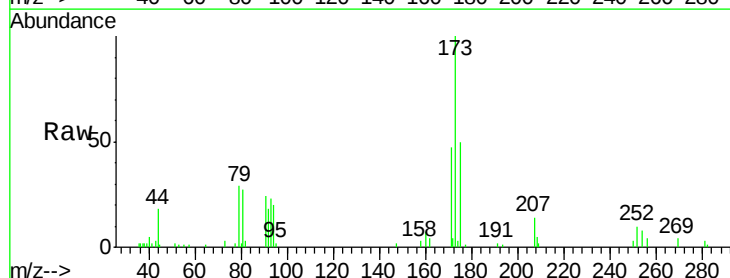
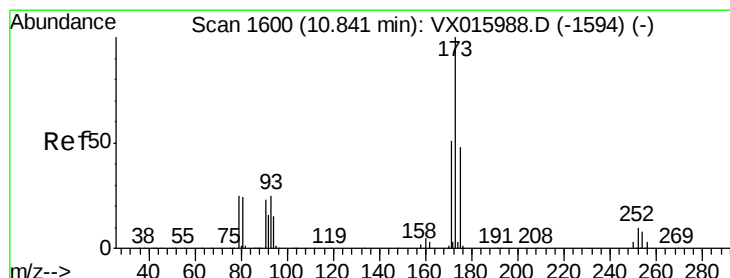
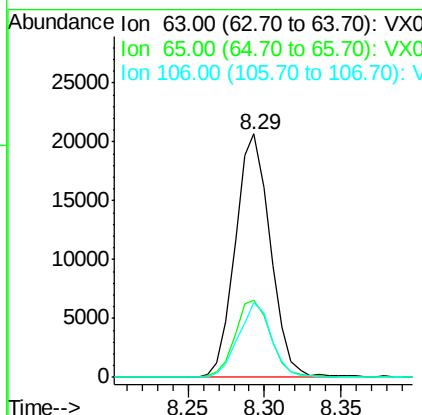
MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Manual Integrations
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5/4/2020 3:10:26 PM



#56

Bromoform

Concen: 1.952 ug/l

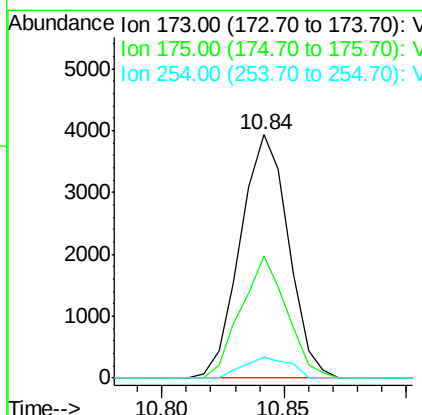
RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	173	Resp:	5392
Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.0	57.0
254	8.0	6.8	10.2





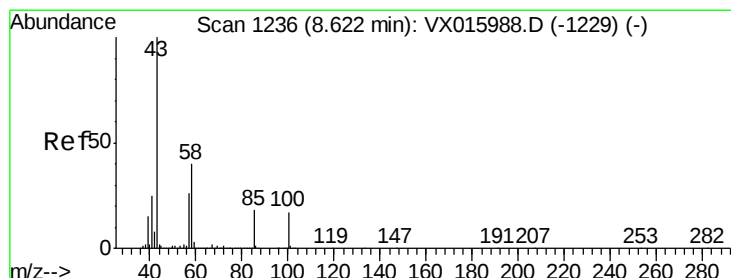
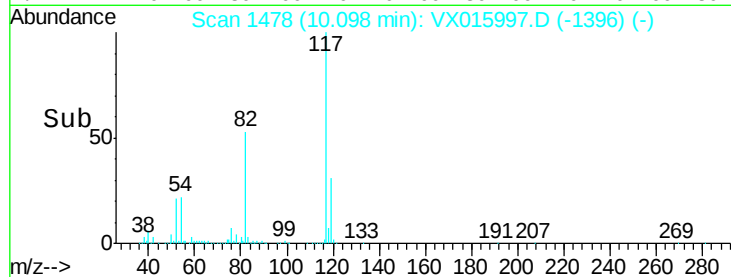
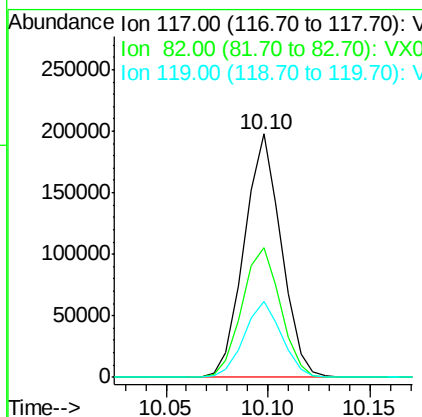
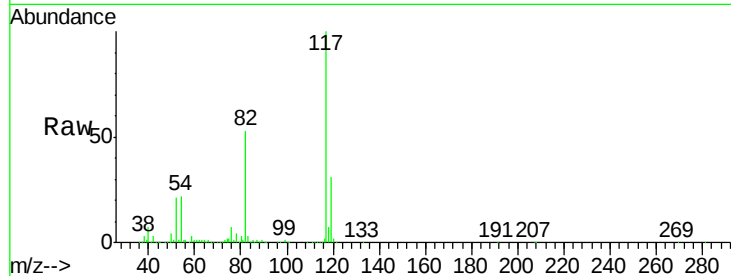
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250316		
82	55.5	45.1	67.7	
119	31.7	25.6	38.4	

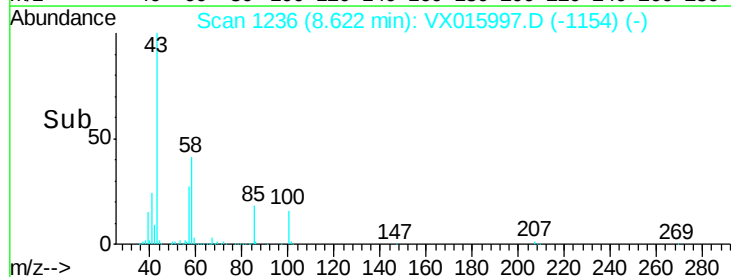
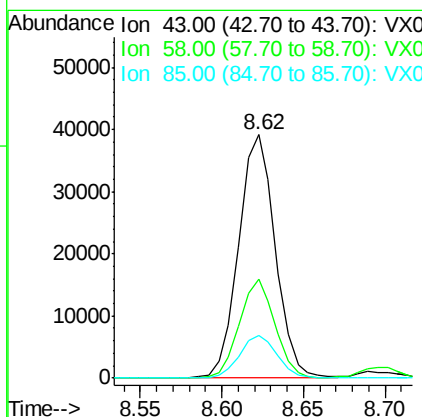
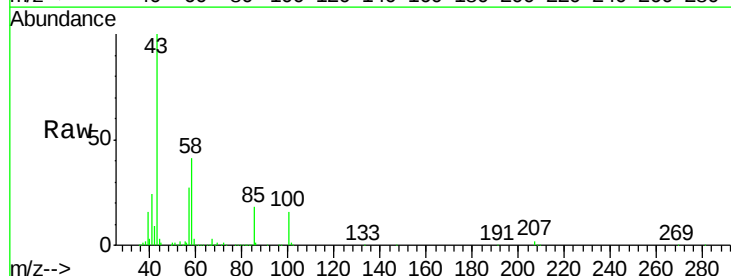
Manual Integrations
APPROVED

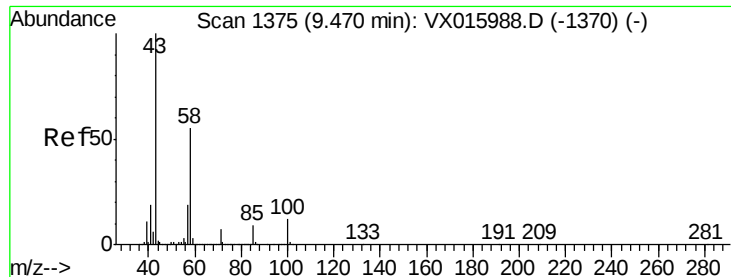
MMDadoda
5/4/2020 3:10:26 PM



#58
4-Methyl-2-Pentanone
Concen: 12.257 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	60504		
58	40.0	31.8	47.6	
85	18.2	14.5	21.7	





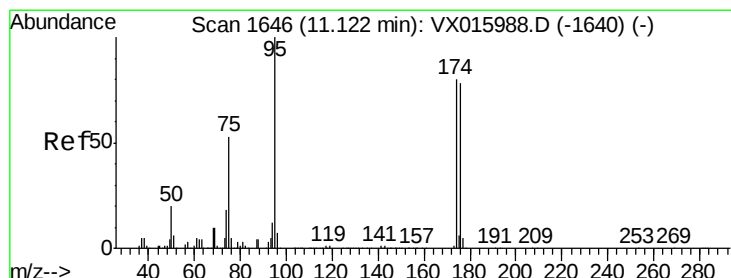
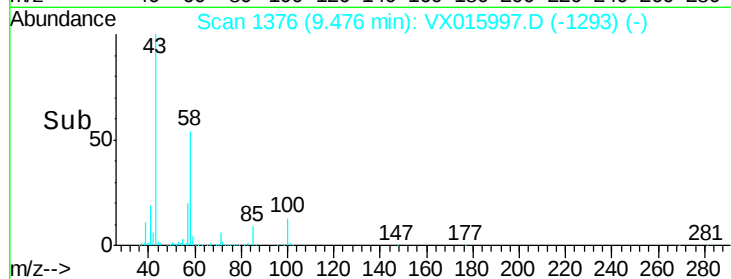
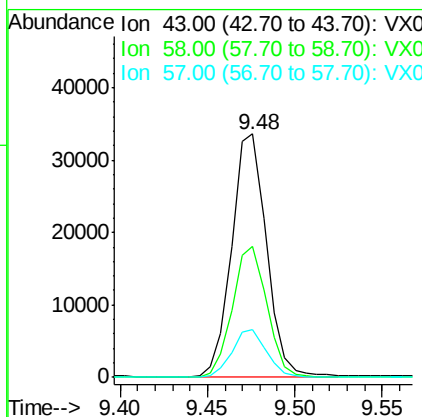
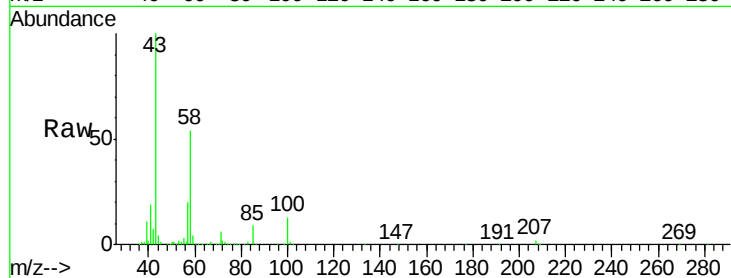
#59
2-Hexanone
Concen: 12.118 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	44.0	66.0
57	19.7	15.5	23.3

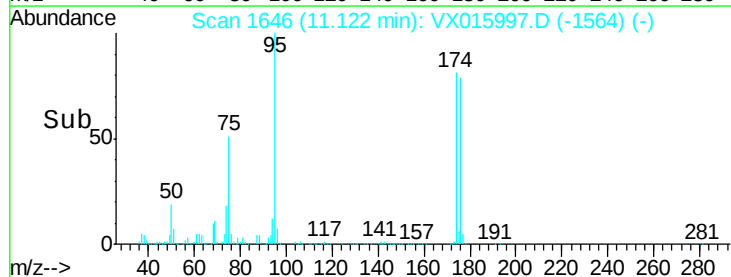
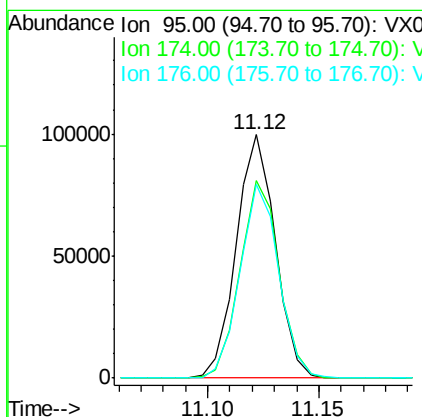
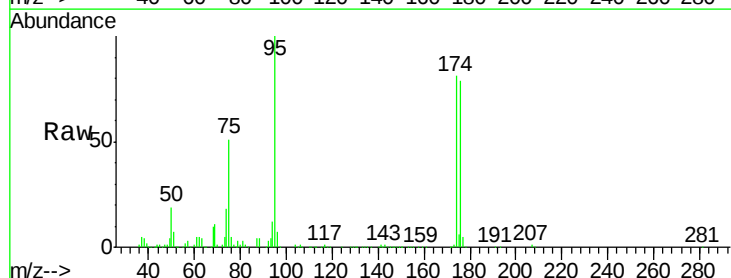
Manual Integrations
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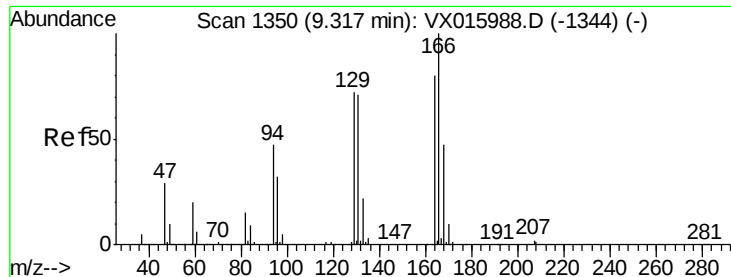
MMDadoda
5/4/2020 3:10:26 PM



#60
4-Bromofluorobenzene
Concen: 29.012 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	64.8	97.2
176	79.4	62.4	93.6





#61

Tetrachloroethene

Concen: 2.508 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

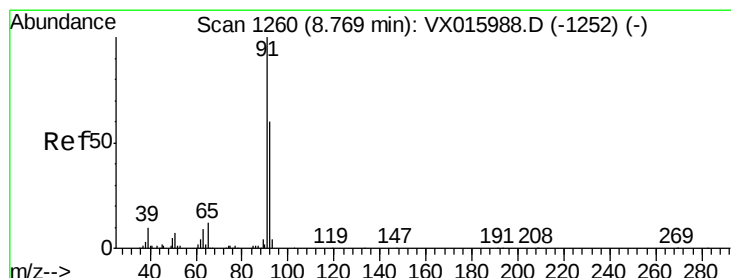
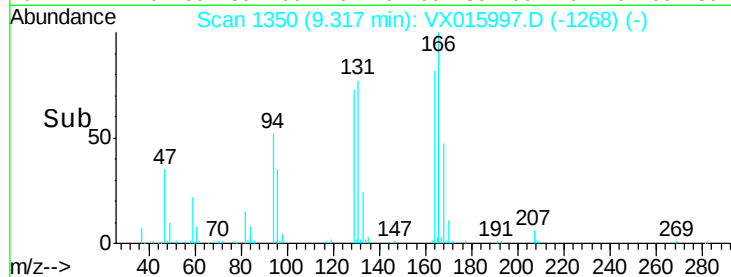
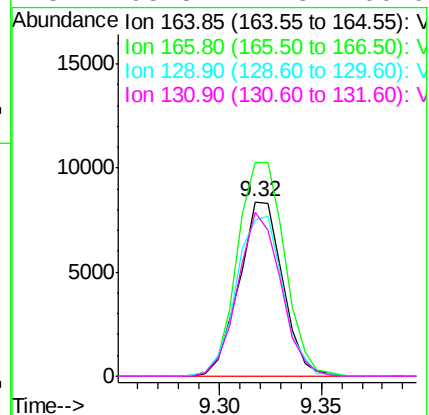
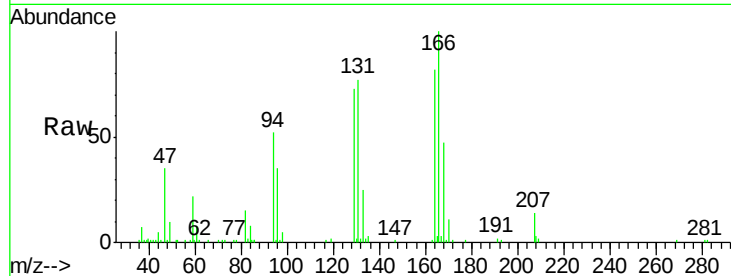
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	164	Resp:	12420
Ion	Ratio	Lower	Upper
164	100		
166	121.8	100.1	150.1
129	89.8	72.2	108.4
131	93.8	71.3	106.9

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#62

Toluene

Concen: 2.438 ug/l

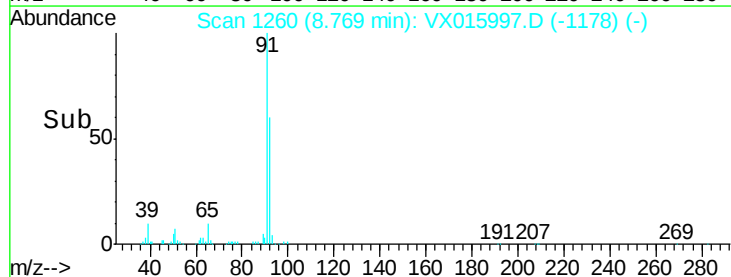
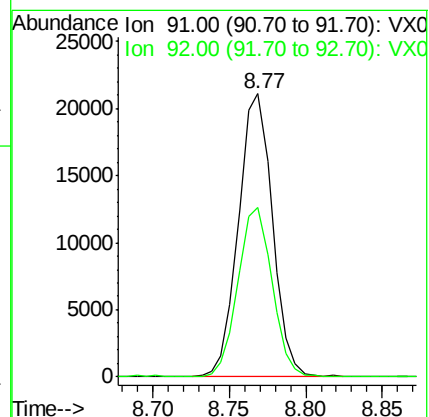
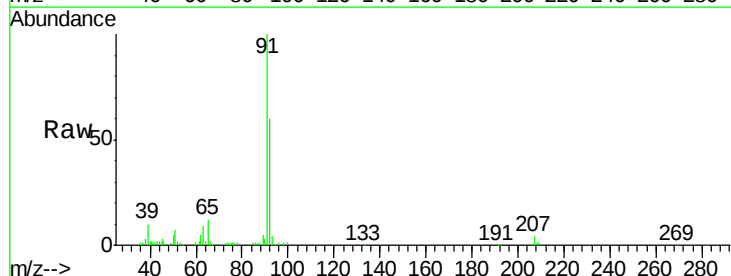
RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	91	Resp:	32603
Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.2	70.8





#63

Toluene-d8

Concen: 30.584 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 98 Resp: 328418

Ion Ratio Lower Upper

98 100

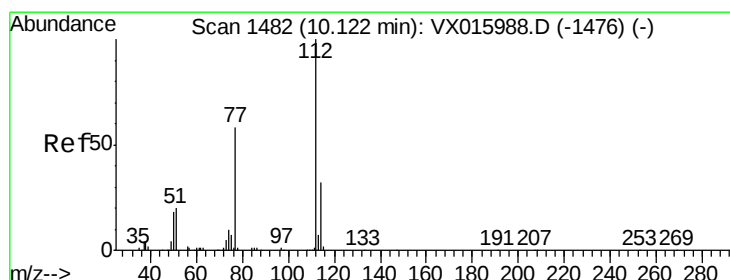
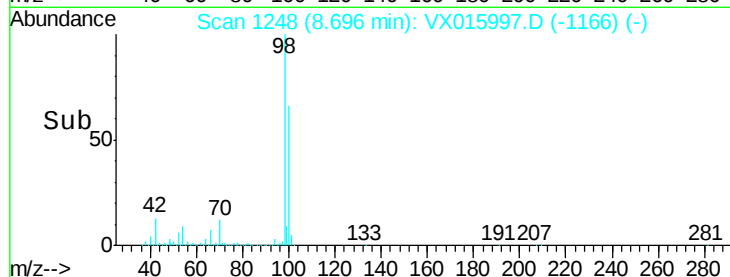
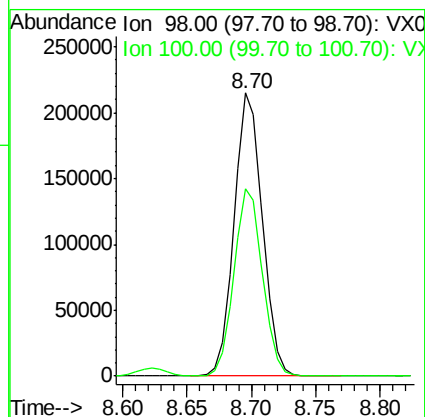
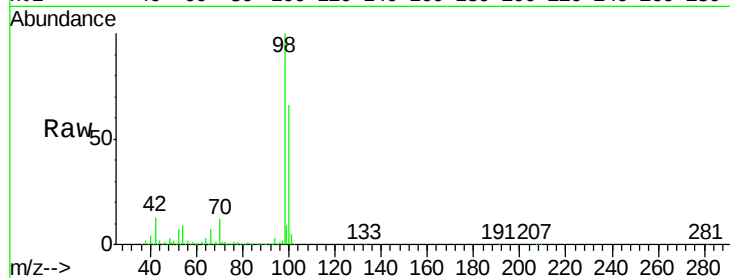
100 66.5 52.5 78.7

Manual Integrations

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5/4/2020 3:10:26 PM



#64

Chlorobenzene

Concen: 2.465 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015997.D

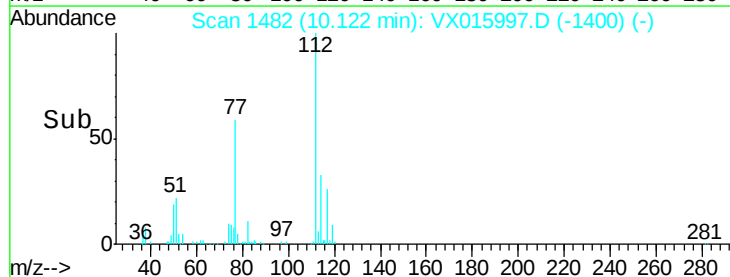
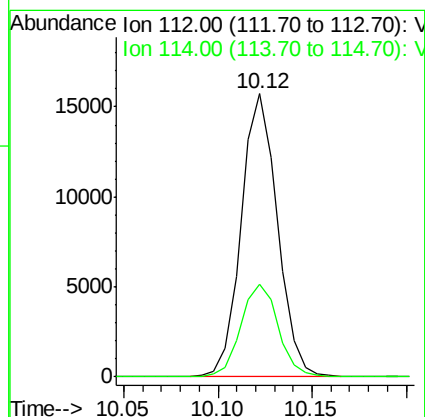
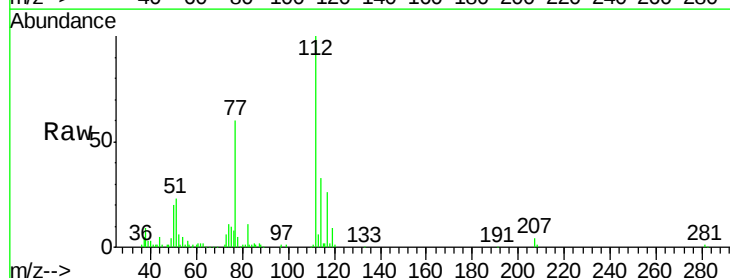
Acq: 30 Apr 2020 16:00

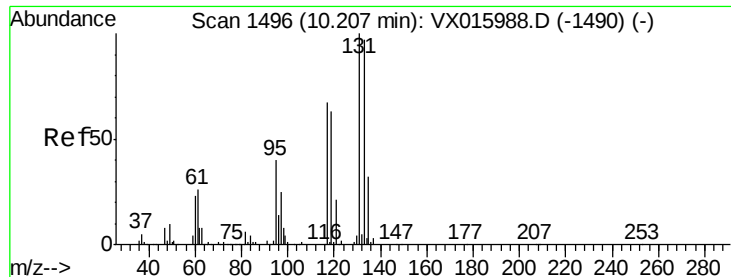
Tgt Ion: 112 Resp: 20986

Ion Ratio Lower Upper

112 100

114 32.7 25.8 38.6





#65

1,1,1,2-Tetrachloroethane

Concen: 2.381 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

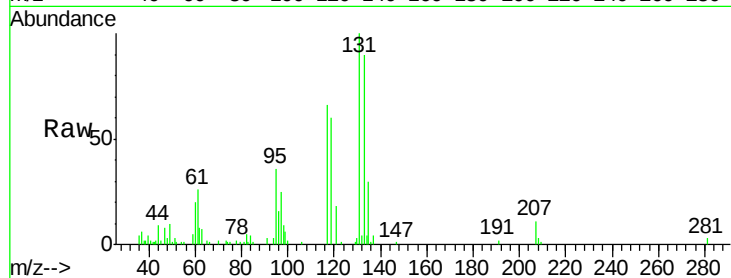
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

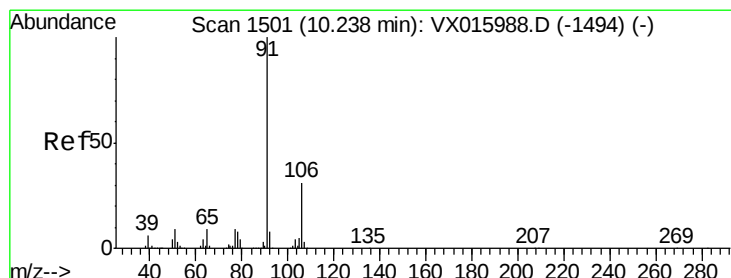
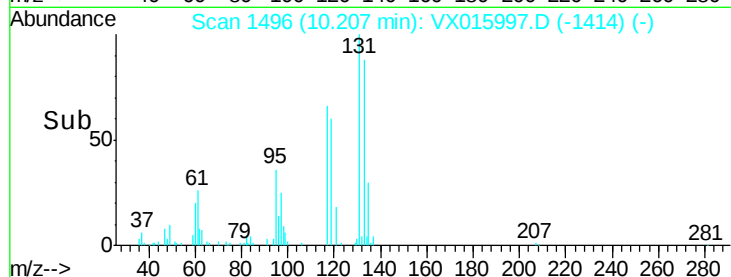
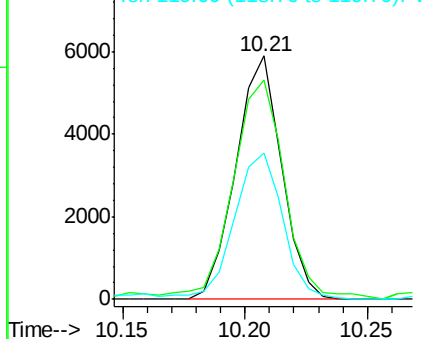
Tot Ion:	131	Resp:	7696
Ion Ratio	Lower	Upper	
131	100		
133	93.3	0.0	187.0
119	63.3	0.0	129.0

Manual Integrations
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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.370 ug/l

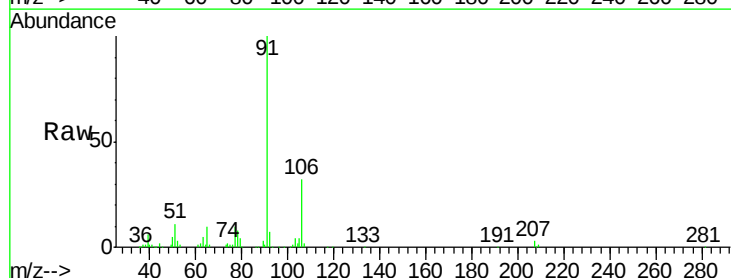
RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

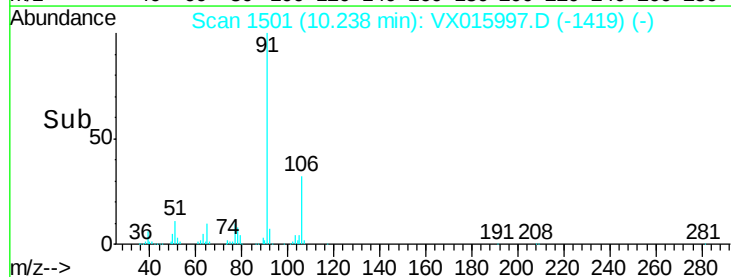
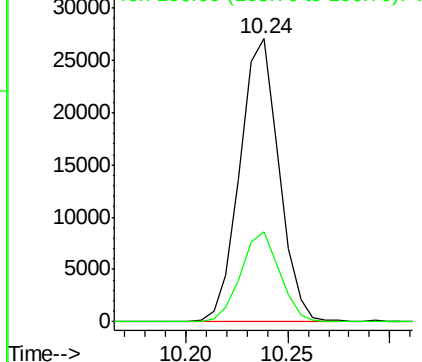
Lab File: VX015997.D

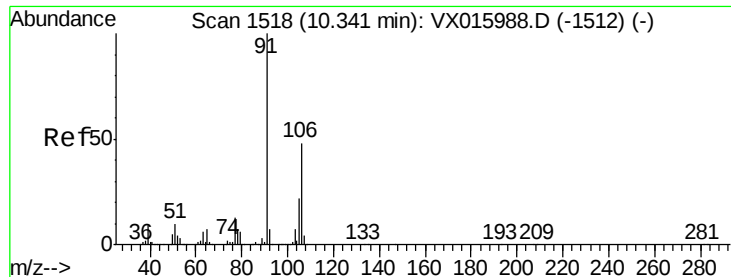
Acq: 30 Apr 2020 16:00

Tgt Ion:	91	Resp:	36085
Ion Ratio	Lower	Upper	
91	100		
106	31.7	24.8	37.2



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





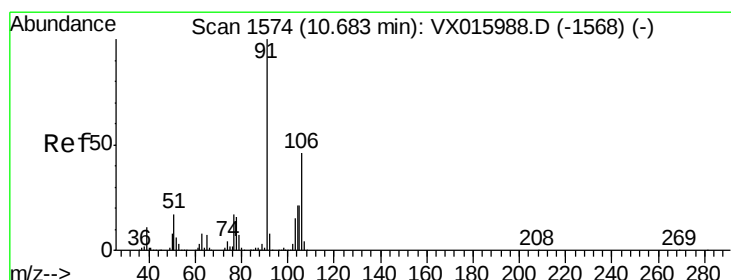
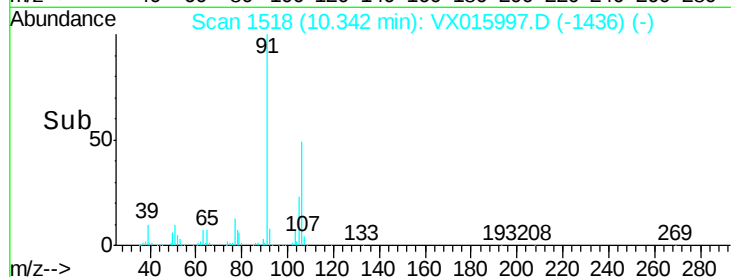
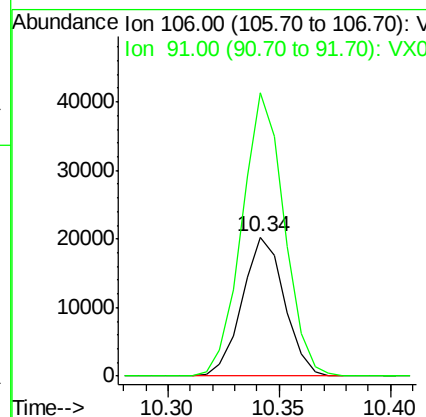
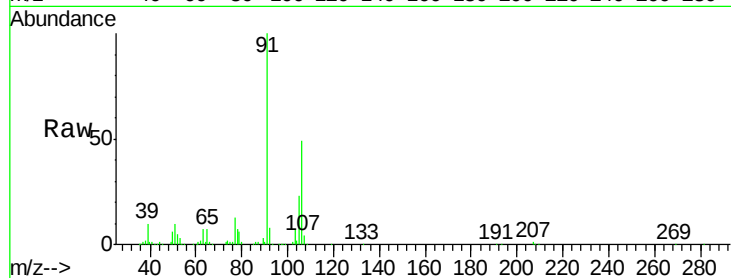
#67
m/p-Xylenes
Concen: 4.657 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		27016		
91	203.0	164.2	246.4		

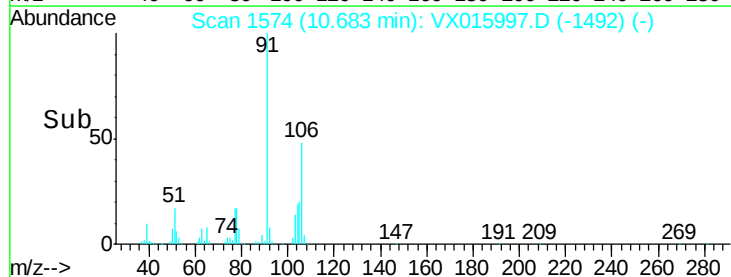
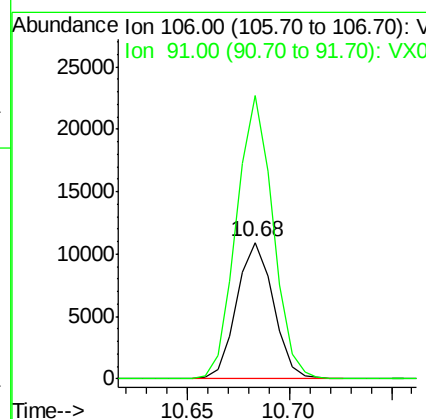
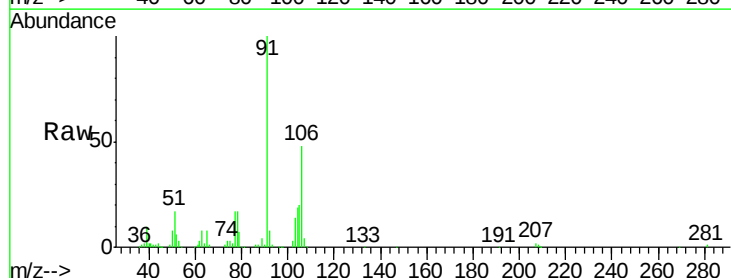
Manual Integrations
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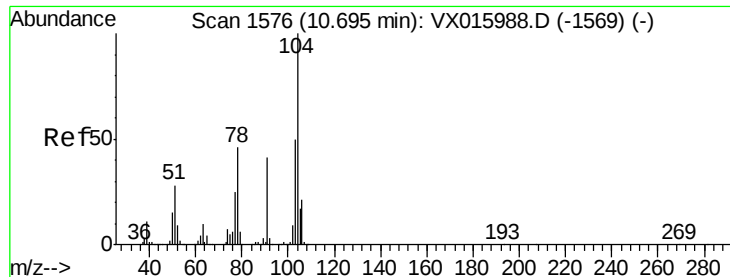
MMDadoda
5/4/2020 3:10:26 PM



#68
o-Xylene
Concen: 2.437 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		13634		
91	206.7	108.3	325.0		





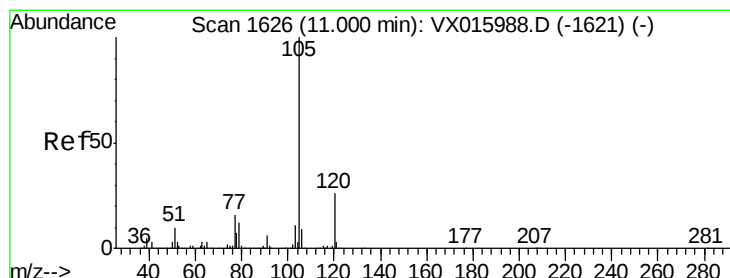
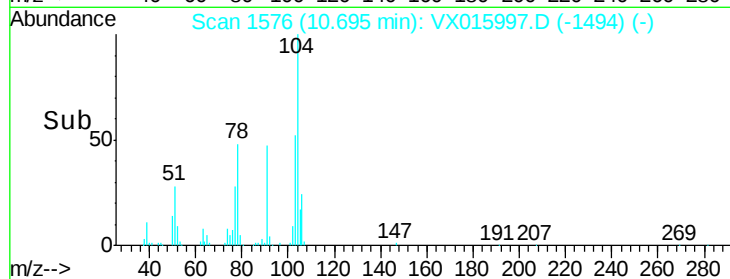
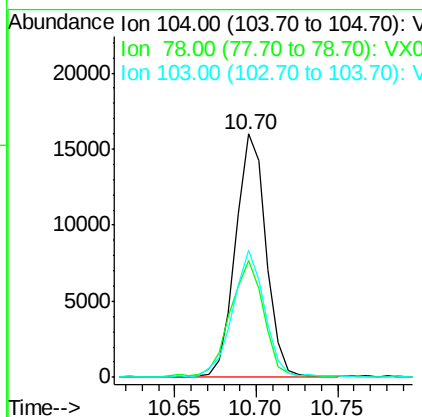
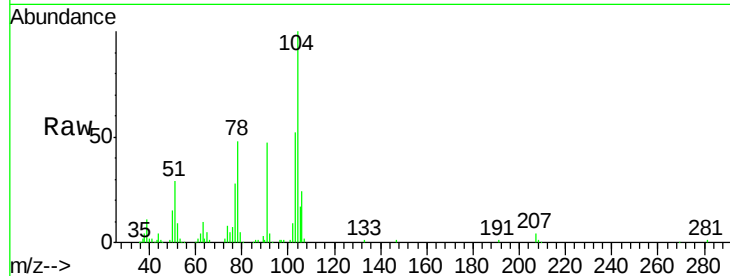
#69
Stvrene
Concen: 2.186 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
104	100	20933		
78	53.6		40.7	61.1
103	53.9		43.0	64.4

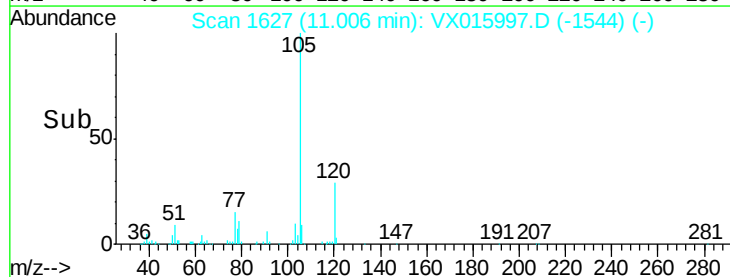
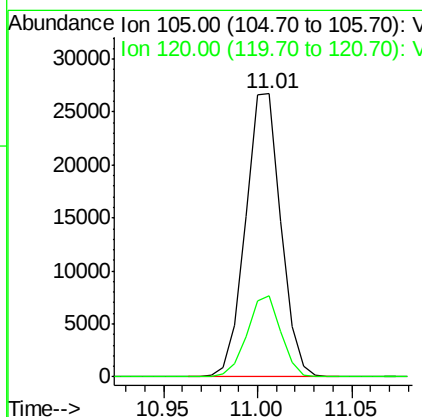
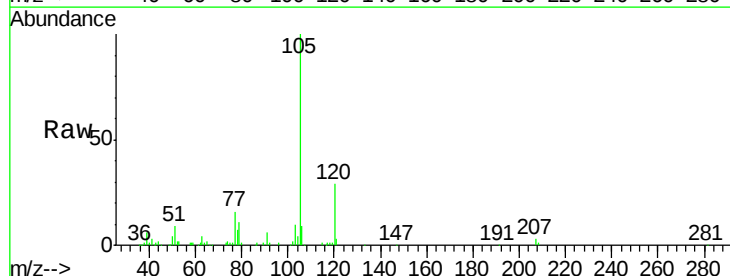
Manual Integrations
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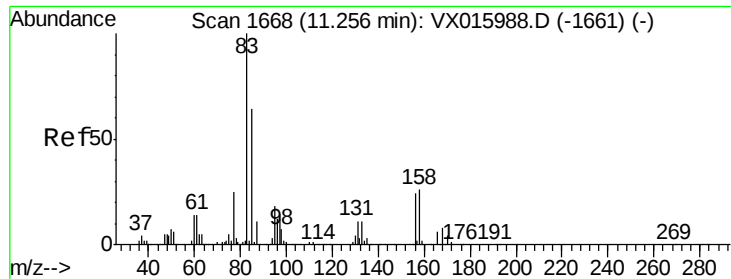
MMDadoda
5/4/2020 3:10:26 PM



#70
Isopropylbenzene
Concen: 2.304 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	34800		
120	27.5		18.6	34.5





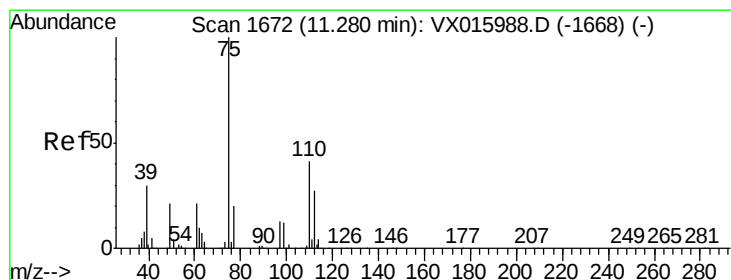
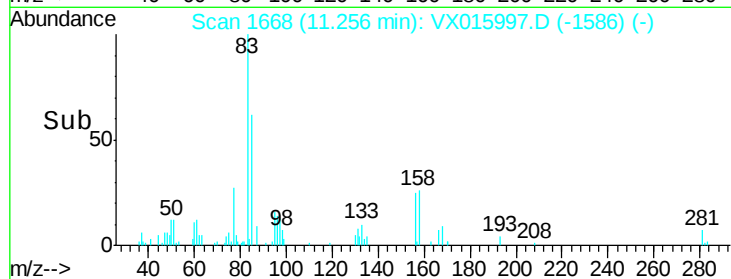
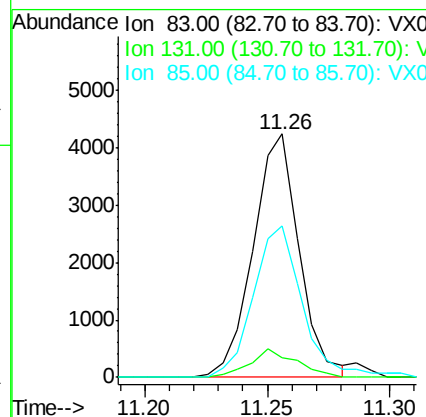
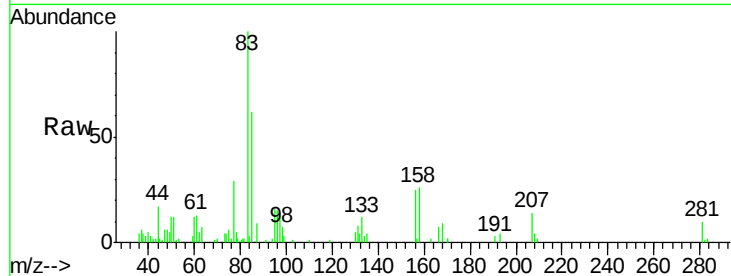
#71
 1,1,2,2-Tetrachloroethane
 Concen: 1.988 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.2	15.6
85	66.1	33.0	98.9

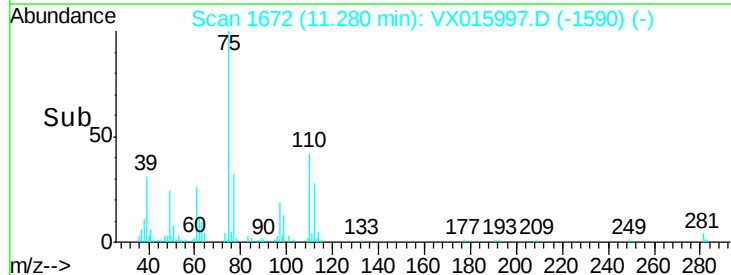
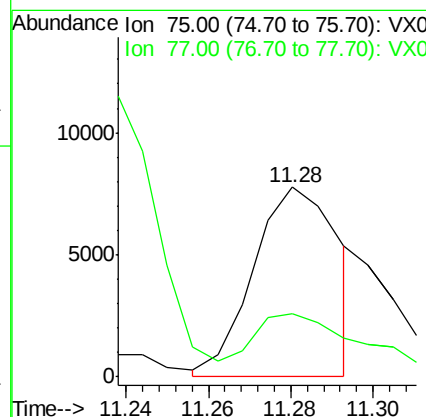
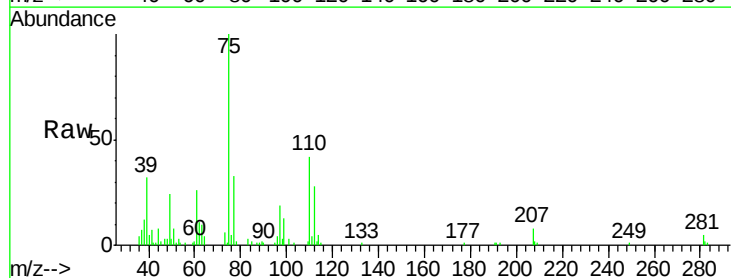
Manual Integrations
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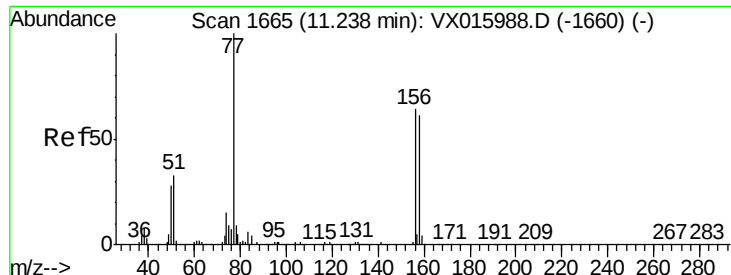
MMDadoda
 5/4/2020 3:10:26 PM



#72
 1,2,3-Trichloropropane
 Concen: 2.447 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.7	0.0	86.0





#73

Bromobenzene

Concen: 2.304 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

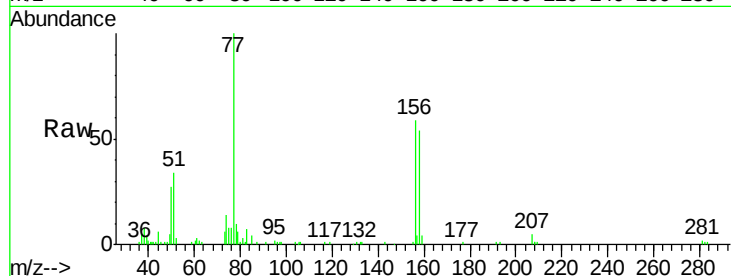
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

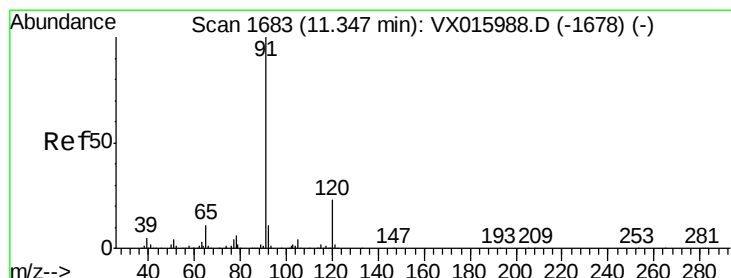
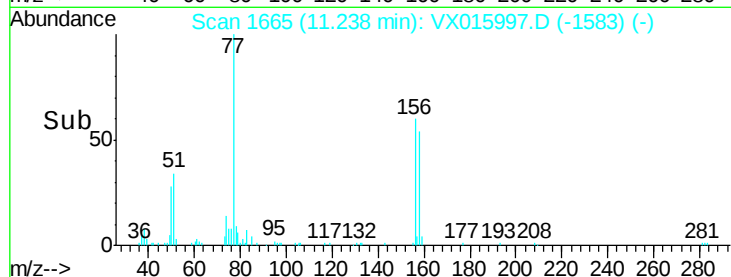
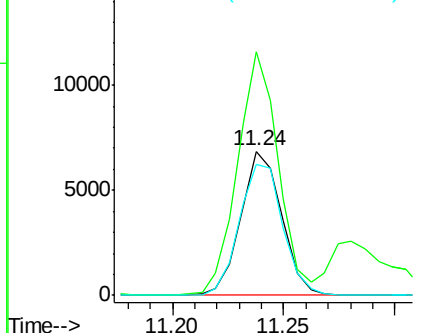
Tot Ion:	156	Resp:	8769
Ion Ratio	Lower	Upper	
156	100		
77	167.0	0.0	318.0
158	97.1	0.0	193.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.340 ug/l

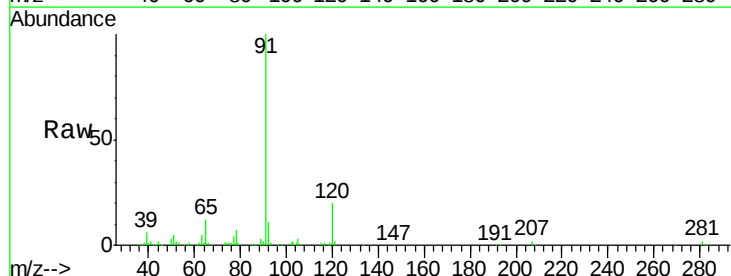
RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

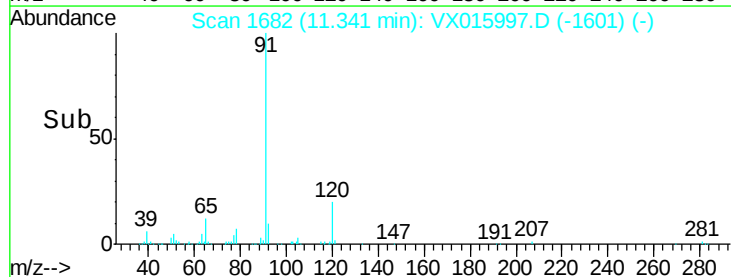
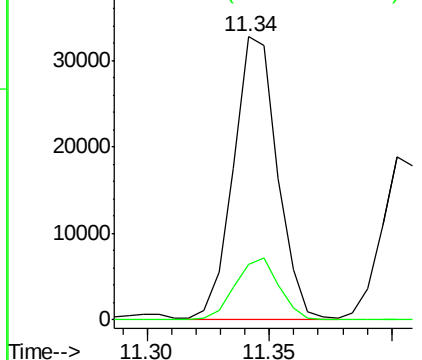
Lab File: VX015997.D

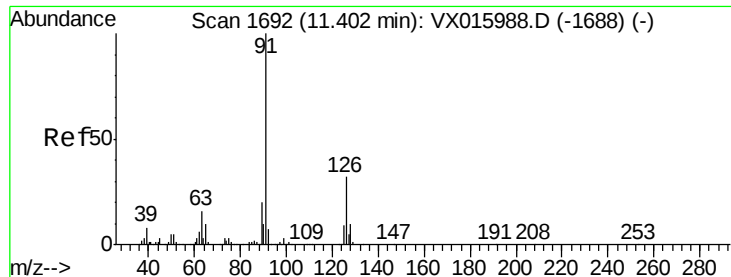
Acq: 30 Apr 2020 16:00

Tgt Ion:	91	Resp:	41054
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.389 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion: 91 Resp: 24628

Ion Ratio Lower Upper

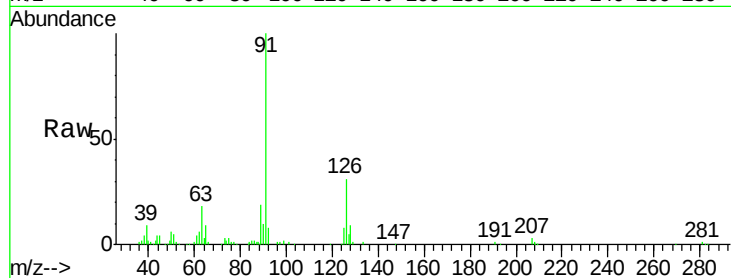
91 100

126 33.0 0.0 66.2

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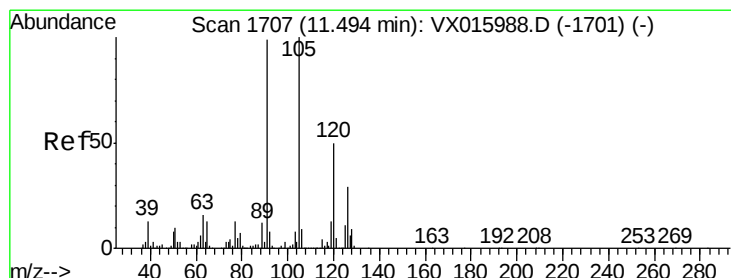
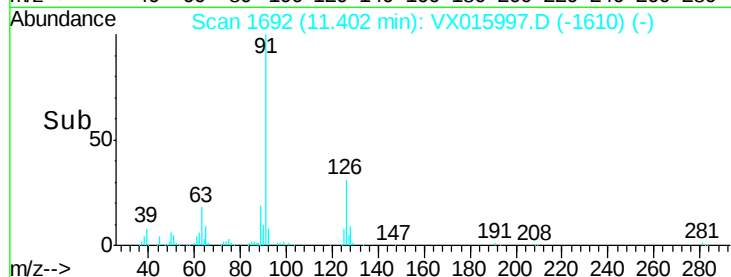
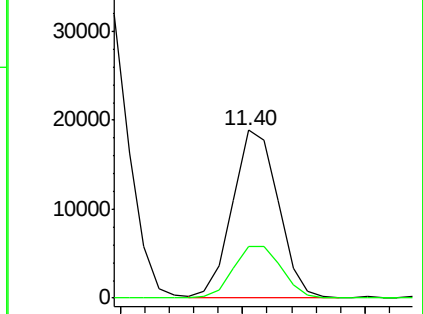
MMDadoda

5/4/2020 3:10:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX015988.D (-1688) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.215 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015997.D

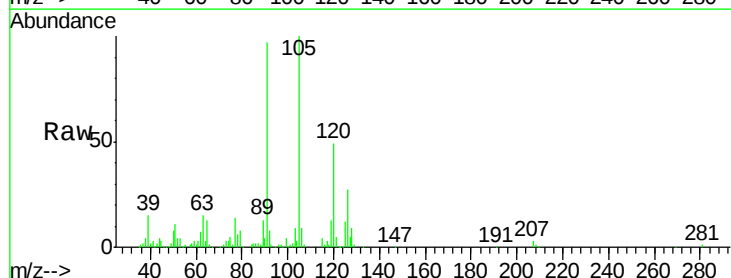
Acq: 30 Apr 2020 16:00

Tgt Ion: 105 Resp: 28399

Ion Ratio Lower Upper

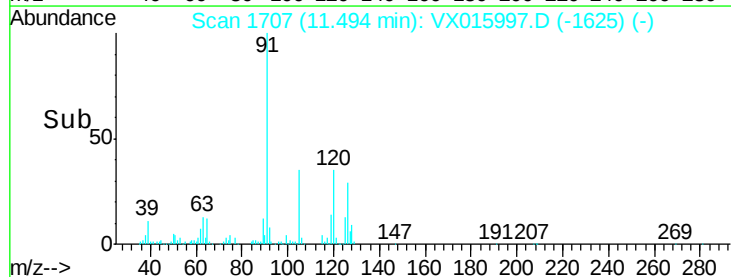
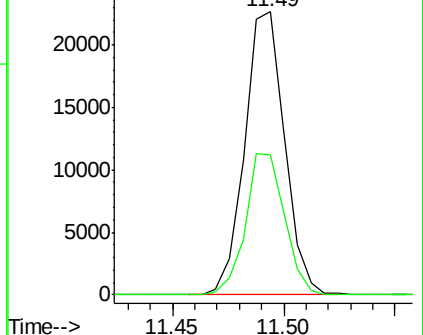
105 100

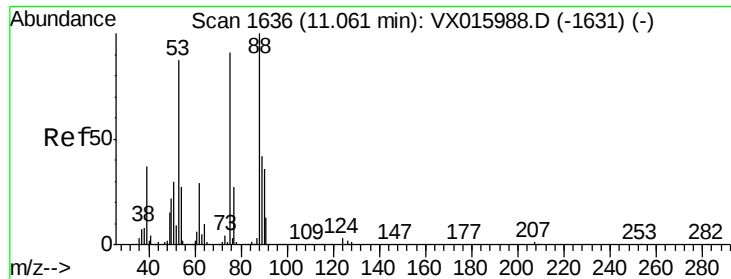
120 48.9 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015988.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 2.204 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

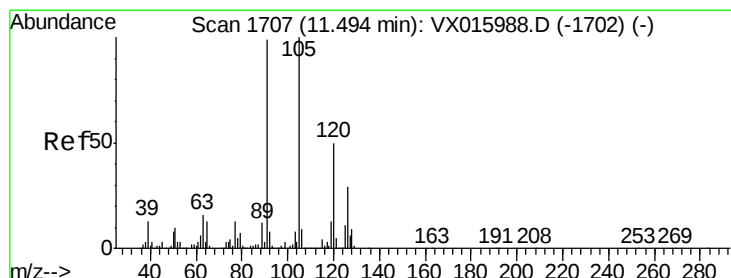
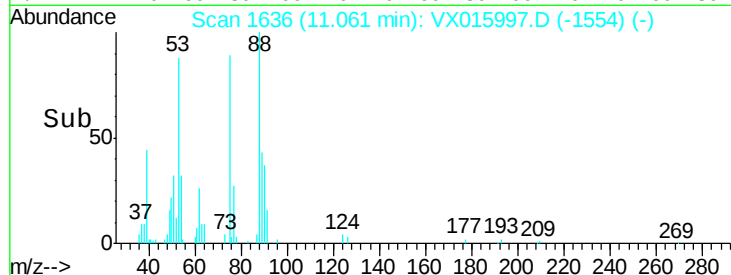
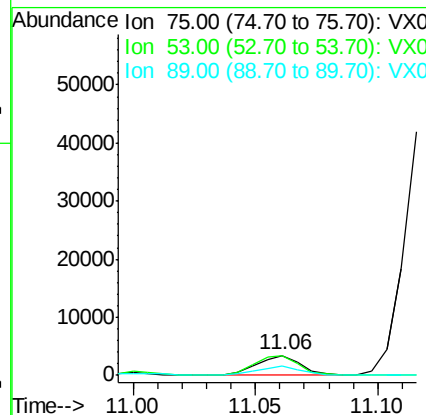
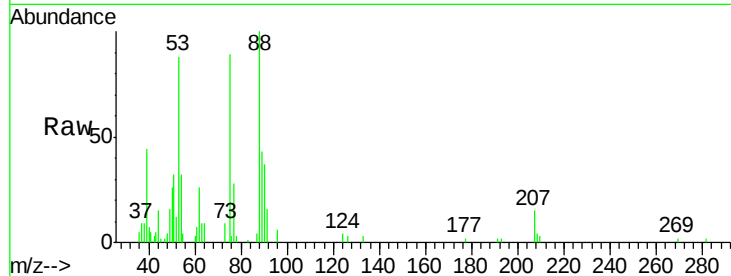
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	75	Resp:	4309
Ion	Ratio	Lower	Upper
75	100		
53	98.6	48.0	144.2
89	48.6	23.4	70.3

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#78

4-Chlorotoluene

Concen: 2.285 ug/l

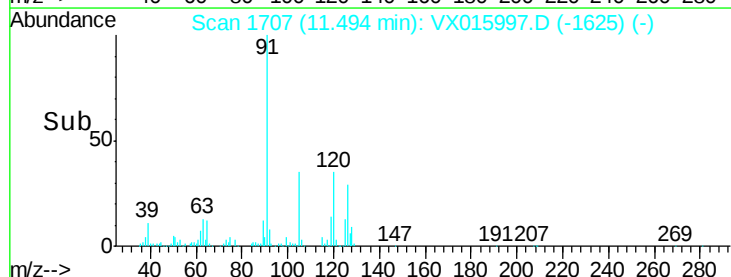
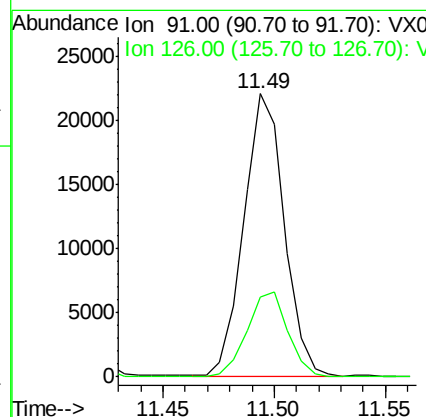
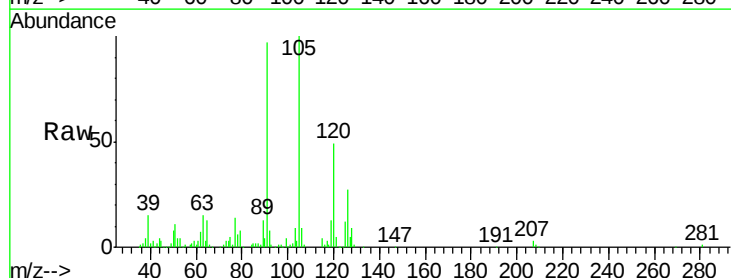
RT: 11.49 min Scan# 1707

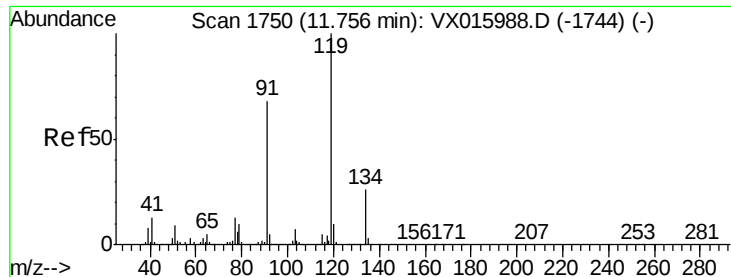
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	91	Resp:	27888
Ion	Ratio	Lower	Upper
91	100		
126	30.4	0.0	58.4





#79

tert-butylbenzene

Concen: 2.255 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

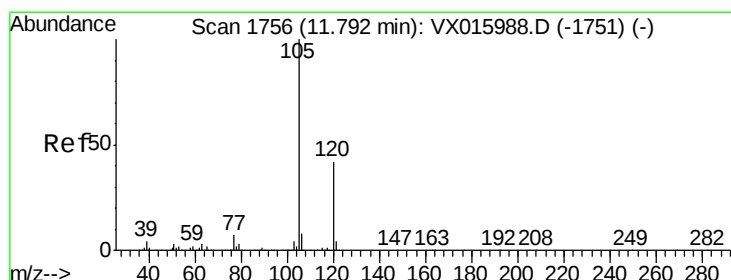
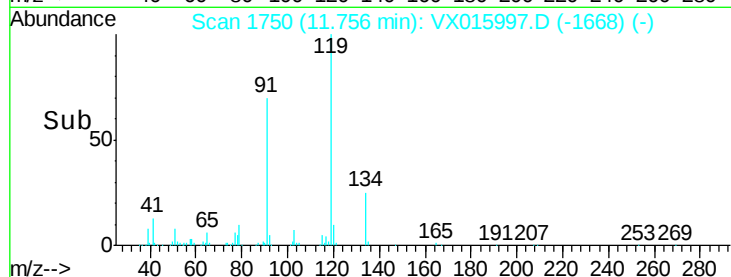
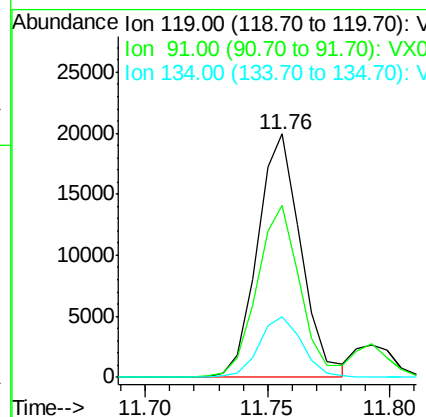
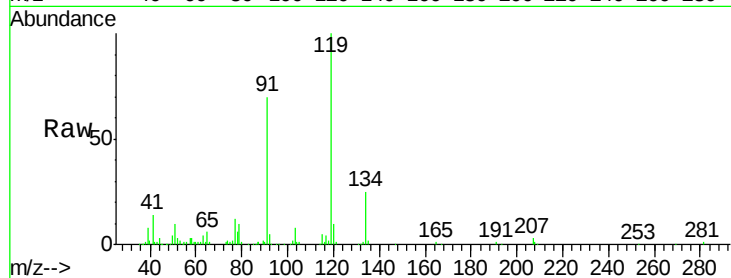
ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	119	Resp:	24694
Ion Ratio	Lower	Upper	
119	100		
91	69.3	0.0	135.6
134	24.8	0.0	51.0

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#80

1,2,4-Trimethylbenzene

Concen: 2.252 ug/l

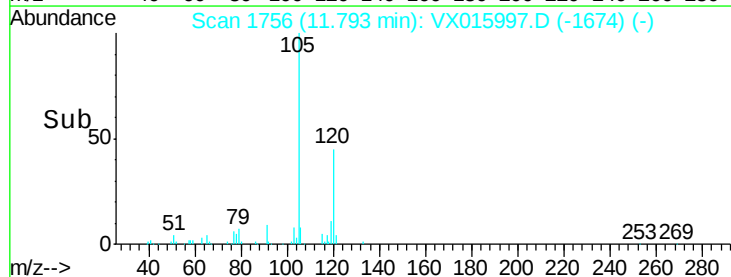
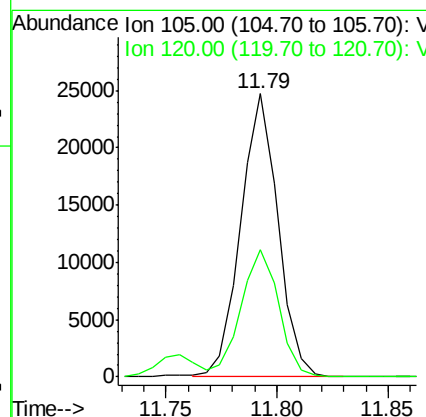
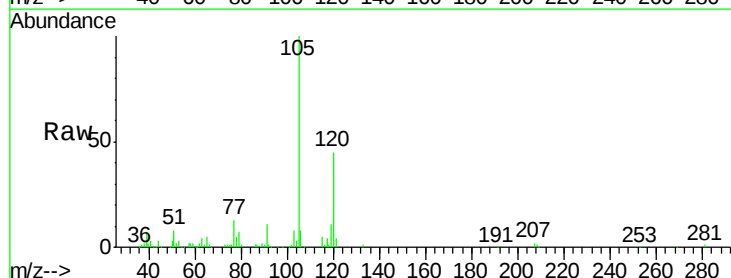
RT: 11.79 min Scan# 1756

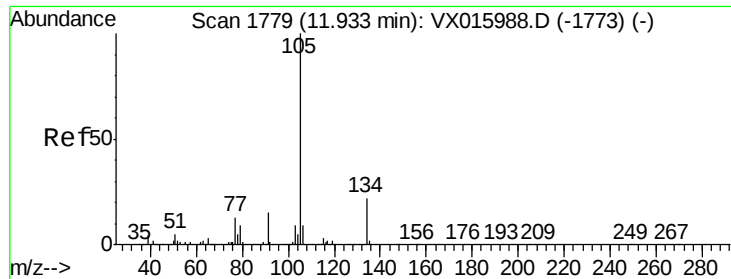
Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion:	105	Resp:	28850
Ion Ratio	Lower	Upper	
105	100		
120	45.8	0.0	91.0





#81

sec-Butylbenzene

Concen: 2.241 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:105 Resp: 33089

Ion Ratio Lower Upper

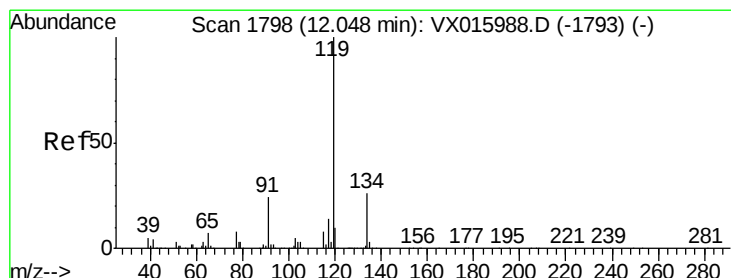
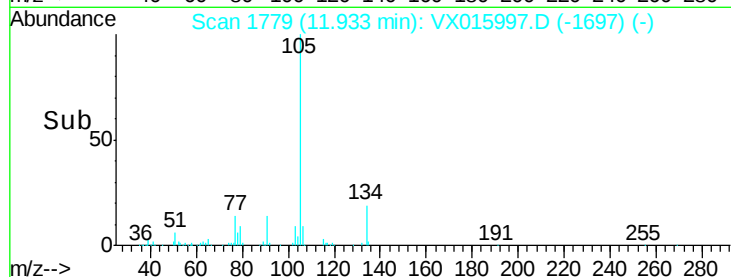
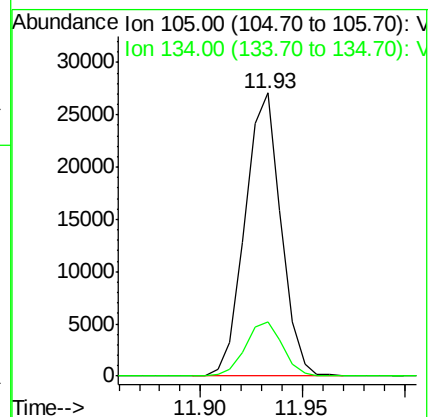
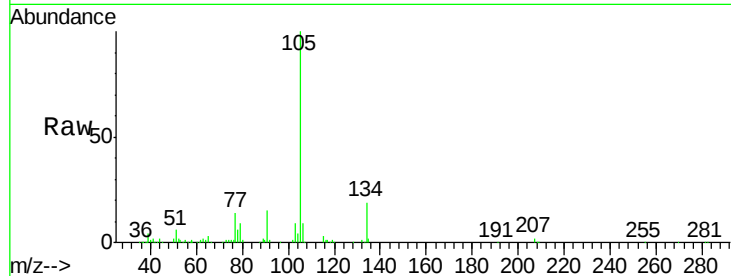
105 100

134 20.0 0.0 41.2

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5/4/2020 3:10:26 PM



#82

p-Isopropyltoluene

Concen: 2.240 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

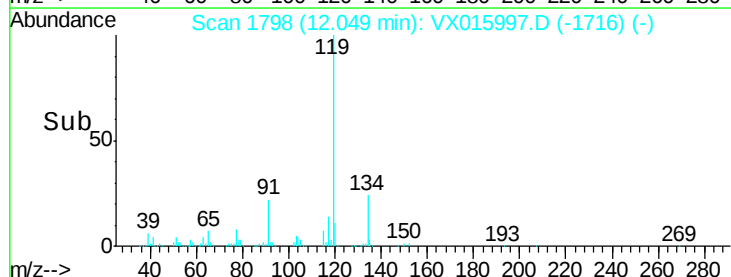
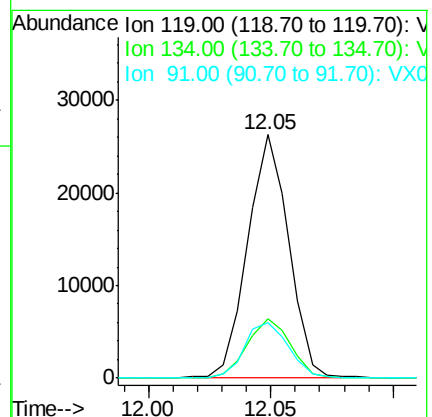
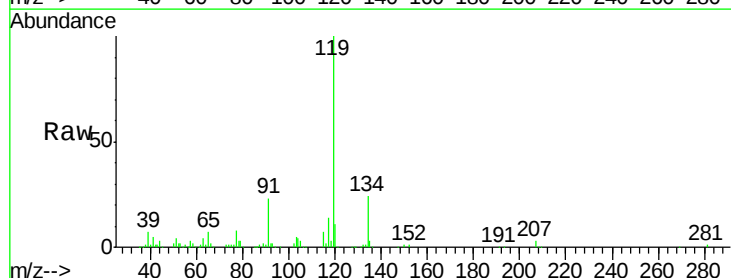
Tgt Ion:119 Resp: 30656

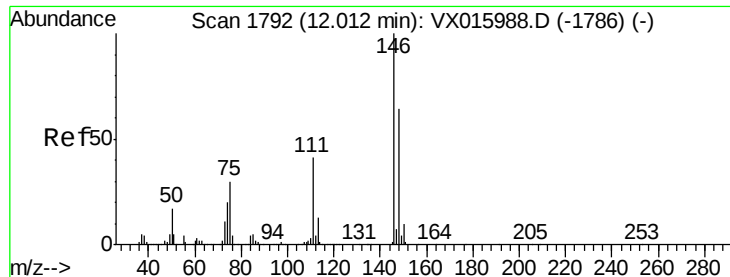
Ion Ratio Lower Upper

119 100

134 25.6 0.0 52.6

91 24.5 0.0 47.6





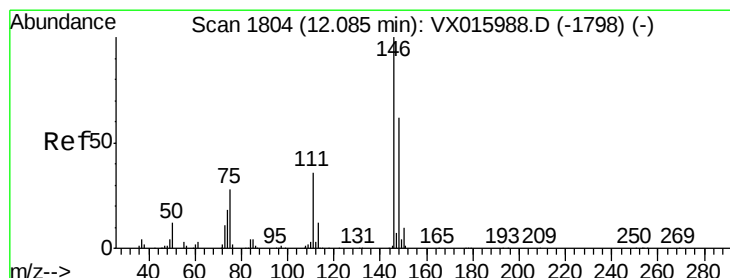
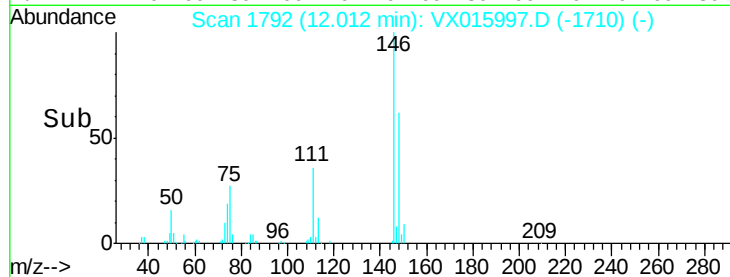
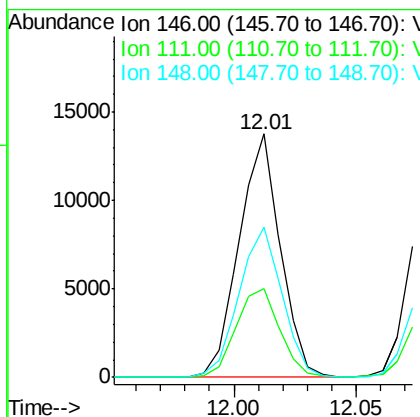
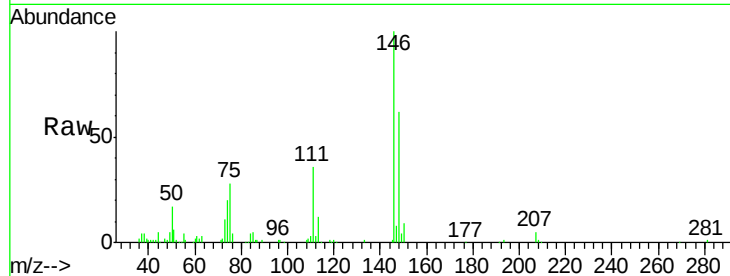
#83
 1,3-Dichlorobenzene
 Concen: 2.355 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.4	61.3
148	64.5	31.9	95.9

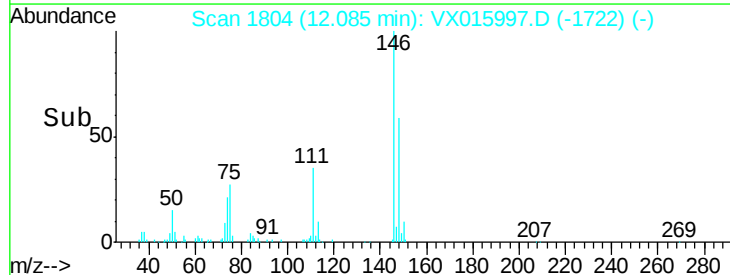
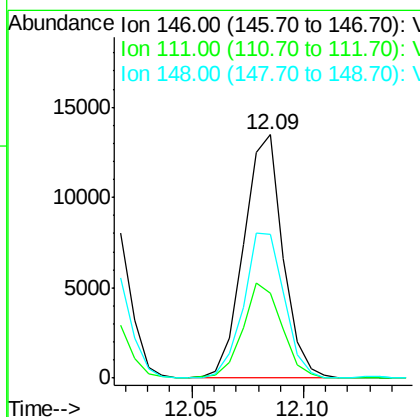
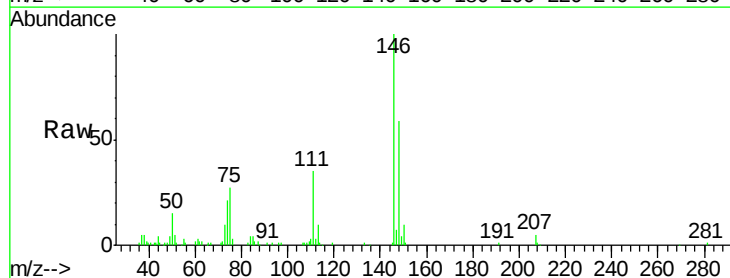
Manual Integrations
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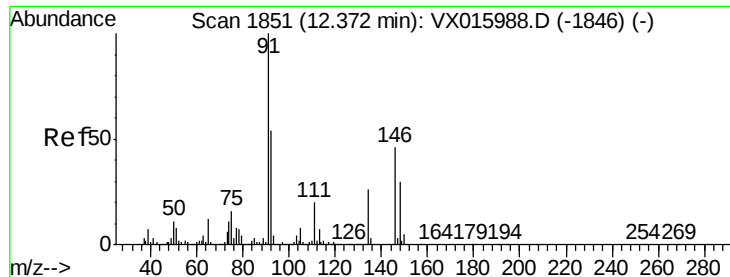
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#84
 1,4-Dichlorobenzene
 Concen: 2.436 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015997.D
 Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	61.6	32.0	96.0





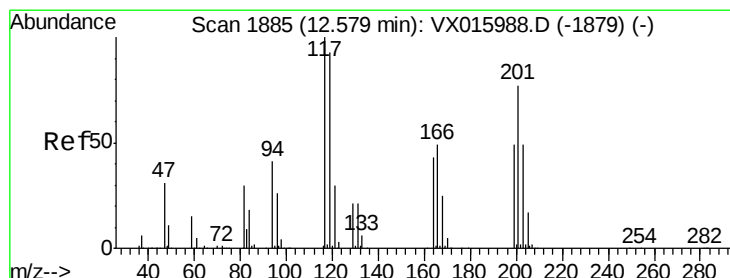
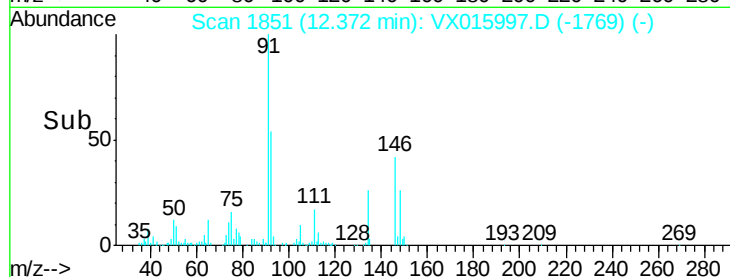
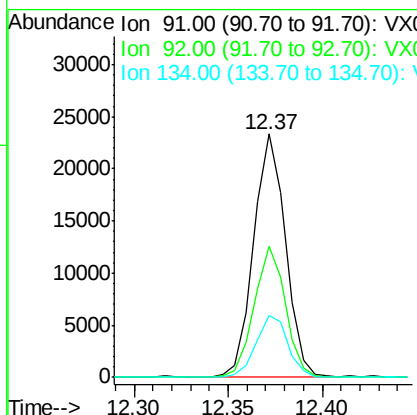
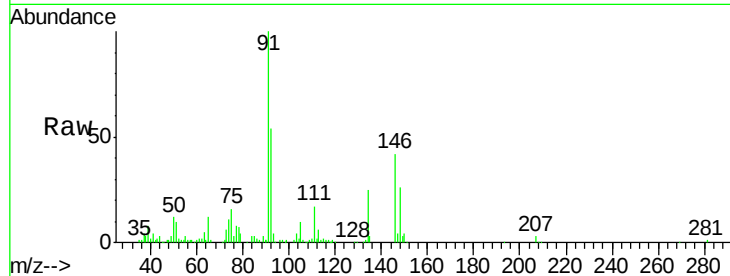
#85
n-Butylbenzene
Concen: 2.194 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	0.0	110.2
134	25.5	0.0	53.4

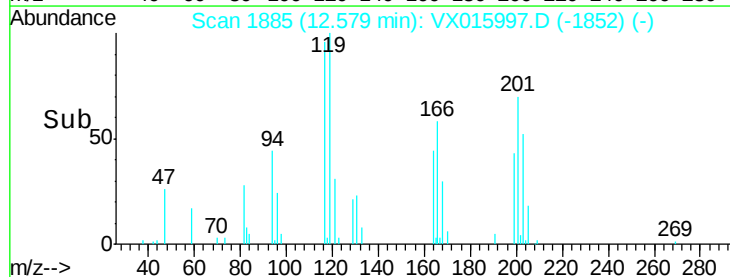
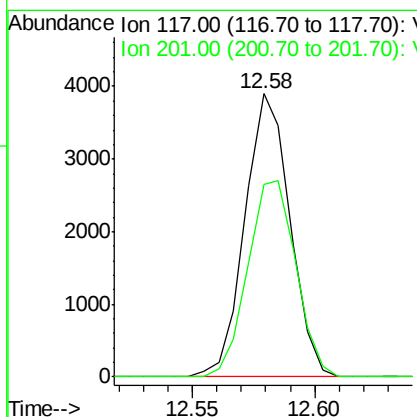
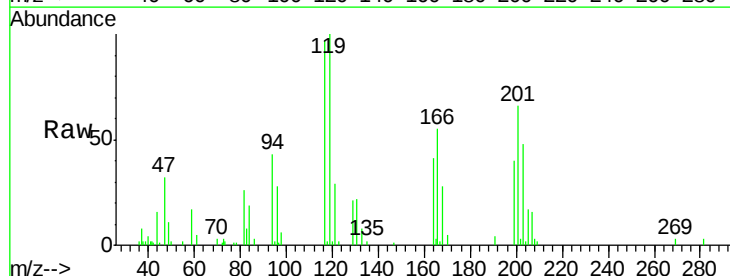
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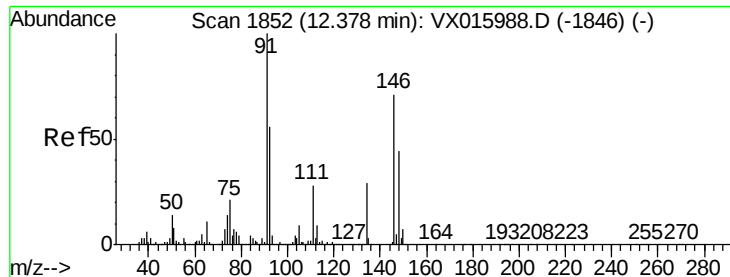
MMDadoda
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#86
Hexachloroethane
Concen: 2.077 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	40.1	120.2





#87

1,2-Dichlorobenzene

Concen: 2.359 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

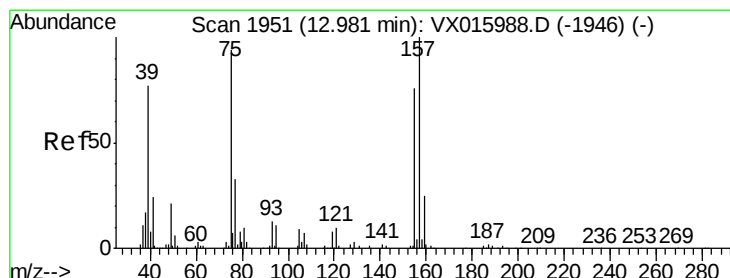
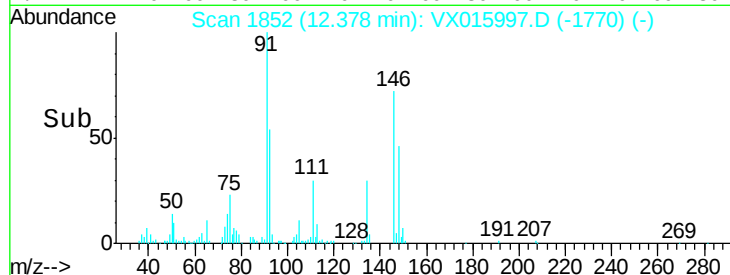
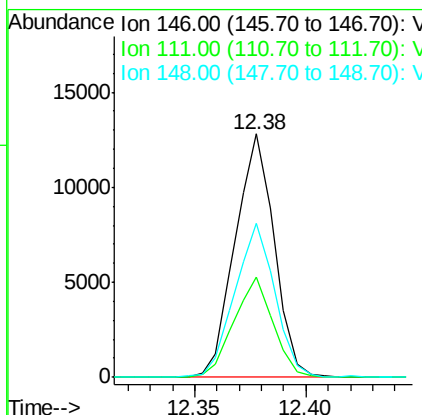
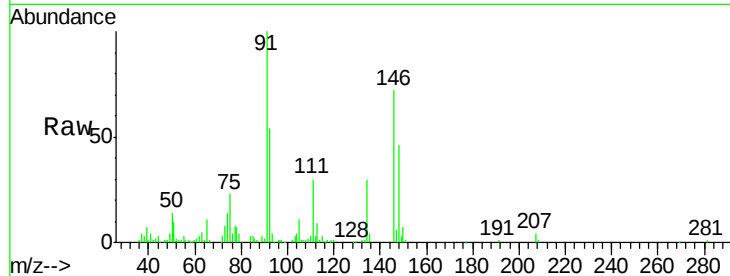
Instrument :
MSVOA_X

ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
146	100	15654		
111	41.4	20.7	62.1	
148	65.3	32.0	96.2	

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#88

1,2-Dibromo-3-Chloropropane

Concen: 2.490 ug/l

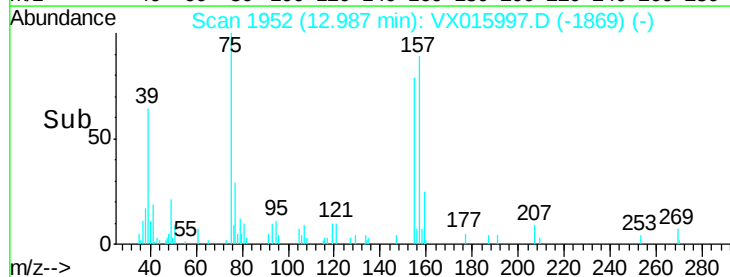
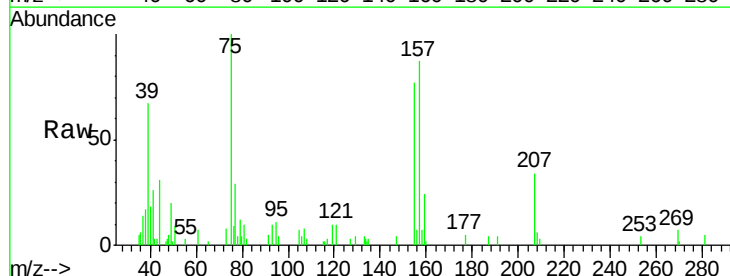
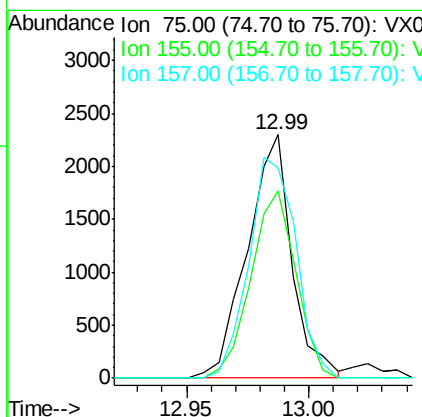
RT: 12.99 min Scan# 1952

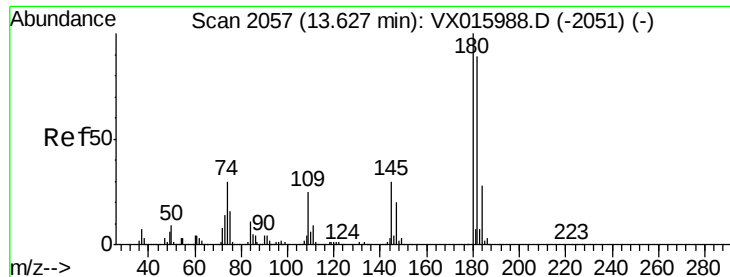
Delta R.T. 0.01 min

Lab File: VX015997.D

Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2925		
155	77.7	66.9	100.3	
157	96.2	88.2	132.2	





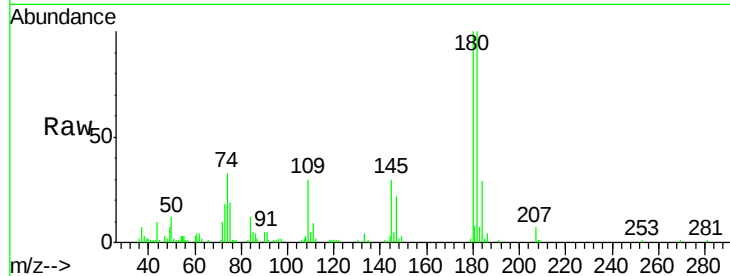
#89
1,2,4-Trichlorobenzene
Concen: 2.327 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.0	112.6
145	29.5	23.9	35.9

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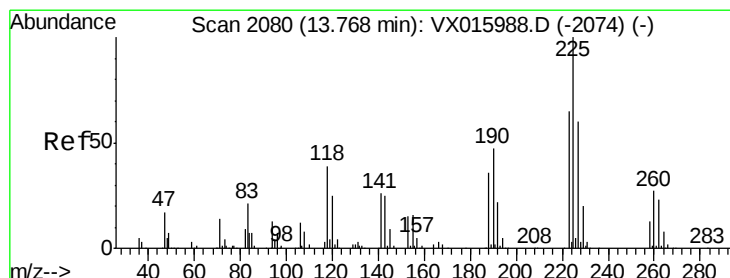
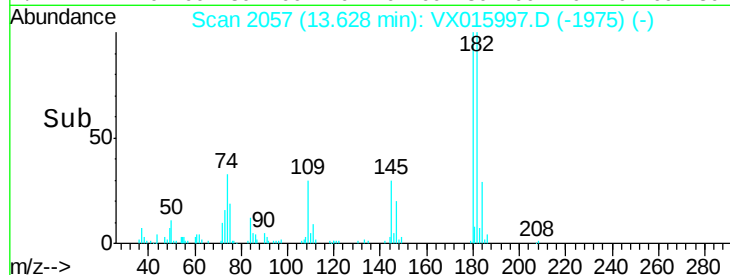
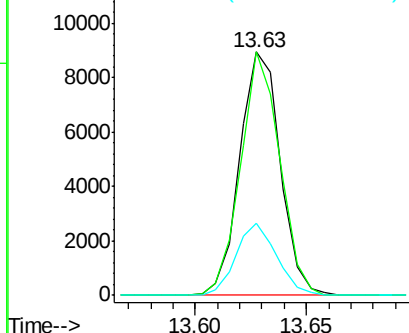


Abundance

Ion 180.00 (179.70 to 180.70): V

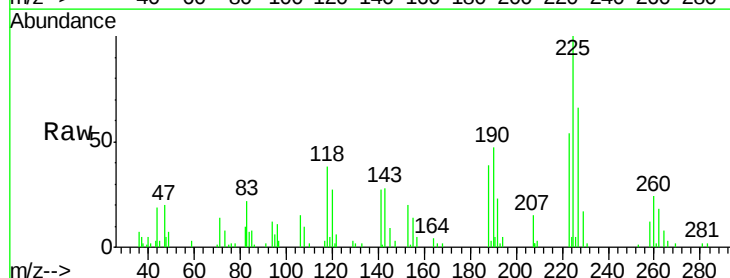
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 2.500 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.7	0.0	123.6
227	59.9	0.0	123.6

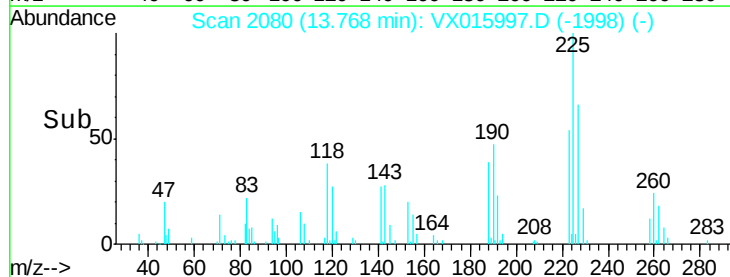
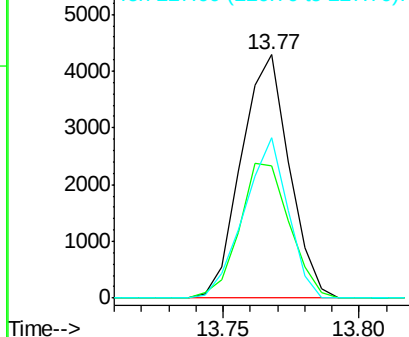


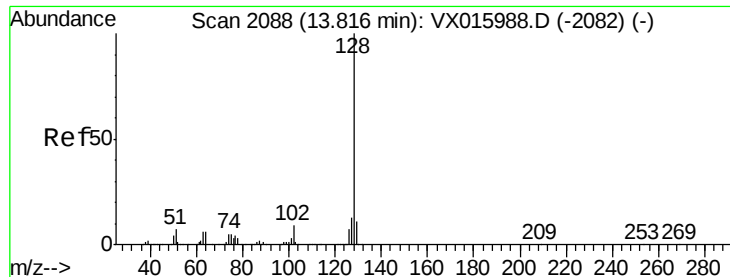
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





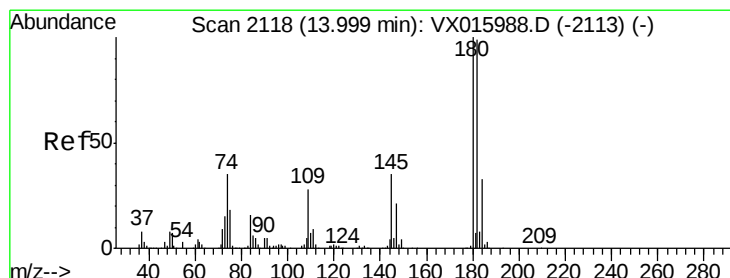
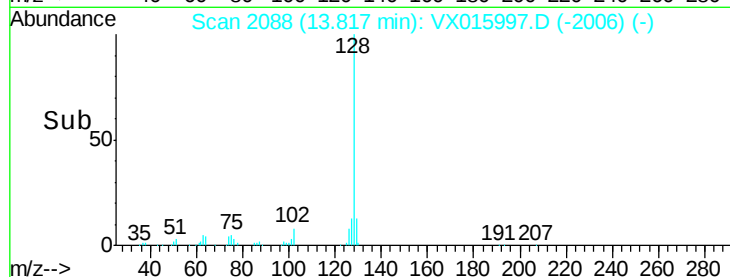
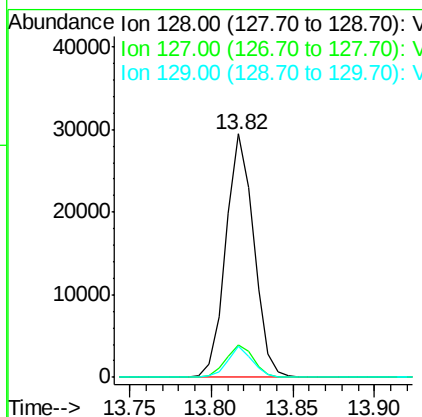
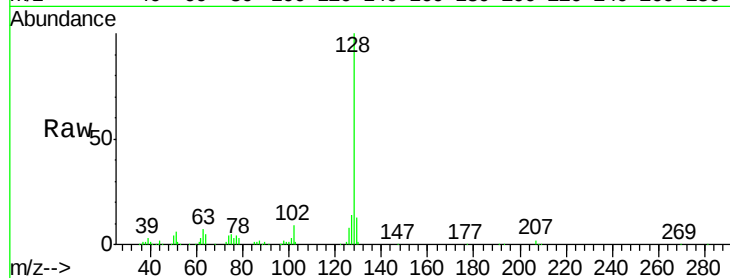
#91
Naphthalene
Concen: 2.259 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2020DL

Tot Ion:	128	Resp:	35151
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	11.4	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 2.285 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX015997.D
Acq: 30 Apr 2020 16:00

Tgt Ion:	180	Resp:	10731
Ion Ratio	Lower	Upper	
180	100		
182	99.2	0.0	197.2
145	32.9	0.0	66.0

