

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050620\
 Data File : VX016080.D
 Acq On : 06 May 2020 13:50
 Operator : JC/SP
 Sample : L2182-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:55:01 AM

Quant Time: May 07 07:57:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 07:43:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	295959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	478062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	185864	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	5.47	113	140592	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	8.70	98	555222	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.12	95	206115	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	7021	2.241	ug/l 98
3) Chloromethane	1.31	50	8793	2.417	ug/l 97
4) Vinyl Chloride	1.39	62	9200	2.370	ug/l 100
5) Bromomethane	1.63	94	6781	3.465	ug/l 93
6) Chloroethane	1.71	64	5838	2.472	ug/l 96
7) Trichlorofluoromethane	1.92	101	12054	2.366	ug/l 98
8) Diethyl Ether	2.17	74	4822	2.246	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	2.36	101	7124	2.423	ug/l 99
10) Methyl Iodide	2.49	142	7385	1.870	ug/l 98
11) Tert butyl alcohol	3.01	59	11588	11.767	ug/l 96
12) 1,1-Dichloroethene	2.36	96	7696	2.502	ug/l 100
13) Acrolein	2.27	56	7020	11.391	ug/l 99
14) Allyl chloride	2.71	41	13593	2.410	ug/l 98
15) Acrylonitrile	3.12	53	24454	11.970	ug/l 99
16) Acetone	2.42	43	21081	12.132	ug/l 99
17) Carbon Disulfide	2.55	76	23558	2.249	ug/l 98
18) Methyl Acetate	2.75	43	10219	2.392	ug/l 99
19) Methyl tert-butyl Ether	3.17	73	25335	2.389	ug/l 100
20) Methylene Chloride	2.84	84	8618	2.406	ug/l 94
21) trans-1,2-Dichloroethene	3.14	96	8528	2.487	ug/l 99
22) Diisopropyl ether	3.83	45	25809	2.425	ug/l 88
23) Vinyl Acetate	3.79	43	105915	11.312	ug/l 99
24) 1,1-Dichloroethane	3.68	63	14688	2.467	ug/l 98
25) 2-Butanone	4.64	43	33670	12.024	ug/l 96
26) 2,2-Dichloropropane	4.55	77	12793	2.353	ug/l 98
27) cis-1,2-Dichloroethene	4.57	96	9675	2.581	ug/l 92
28) Bromochloromethane	4.99	49	6878	2.534	ug/l 96
29) Tetrahydrofuran	5.09	42	21870	11.787	ug/l 98
30) Chloroform	5.18	83	14311	2.414	ug/l 97
31) Cyclohexane	5.56	56	13433	2.483	ug/l 90
32) 1,1,1-Trichloroethane	5.46	97	13314	2.471	ug/l 98
36) 1,1-Dichloropropene	5.77	75	10771	2.289	ug/l 96
37) Ethyl Acetate	4.80	43	12566	2.304	ug/l 95
38) Carbon Tetrachloride	5.76	117	11543	2.413	ug/l 85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	13019	2.297	ug/l	94
40) Benzene	6.12	78	32816	2.383	ug/l	97
41) Methacrylonitrile	5.01	41	6749	2.291	ug/l	97
42) 1,2-Dichloroethane	6.17	62	12392	2.498	ug/l	98
43) Isopropyl Acetate	6.42	43	20118	2.312	ug/l	99
44) Trichloroethene	7.19	130	12023	2.458	ug/l	97
45) 1,2-Dichloropropane	7.49	63	8417	2.416	ug/l	97
46) Dibromomethane	7.64	93	5502	2.324	ug/l	99
47) Bromodichloromethane	7.88	83	10961	2.273	ug/l	97
48) Methyl methacrylate	7.75	41	9204	2.232	ug/l	98
49) 1,4-Dioxane	7.71	88	4669	47.210	ug/l #	92
51) 4-Methyl-2-Pentanone	8.62	43	60393	11.341	ug/l	98
52) Toluene	8.77	92	20841	2.428	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	13092	2.277	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	13224	2.202	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	7894	2.338	ug/l	92
56) Ethyl methacrylate	9.16	69	12044	2.185	ug/l	99
57) 1,3-Dichloropropane	9.35	76	14031	2.381	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	31839	10.850	ug/l	98
59) 2-Hexanone	9.48	43	46167	11.039	ug/l	99
60) Dibromochloromethane	9.57	129	8371	2.251	ug/l	99
61) 1,2-Dibromoethane	9.65	107	8311	2.272	ug/l	98
64) Tetrachloroethene	9.32	164	13169	2.465	ug/l	97
65) Chlorobenzene	10.12	112	21636	2.375	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	7862	2.335	ug/l	95
67) Ethyl Benzene	10.24	91	37081	2.281	ug/l	96
68) m/p-Xylenes	10.34	106	28495	4.679	ug/l	98
69) o-Xylene	10.68	106	13996	2.391	ug/l	94
70) Styrene	10.70	104	21888	2.204	ug/l	99
71) Bromoform	10.84	173	5609	2.044	ug/l #	99
73) Isopropylbenzene	11.00	105	35203	2.266	ug/l	99
74) N-amyl acetate	10.88	43	16641	2.297	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	6053	2.210	ug/l	94
76) 1,2,3-Trichloropropane	11.28	75	11648m	2.404	ug/l	
77) Bromobenzene	11.24	156	9567	2.386	ug/l	98
78) n-propylbenzene	11.34	91	41342	2.288	ug/l	99
79) 2-Chlorotoluene	11.40	91	24960	2.340	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	29348	2.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	4123	2.028	ug/l	95
82) 4-Chlorotoluene	11.49	91	29326	2.328	ug/l	100
83) tert-Butylbenzene	11.76	119	25192	2.229	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	29907	2.256	ug/l	99
85) sec-Butylbenzene	11.93	105	34722	2.275	ug/l	99
86) p-Isopropyltoluene	12.05	119	32471	2.292	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	16300	2.264	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	17067	2.336	ug/l	87
89) n-Butylbenzene	12.37	91	27412	2.118	ug/l	100
90) Hexachloroethane	12.58	117	5075	2.086	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	16124	2.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2833	2.218	ug/l	94

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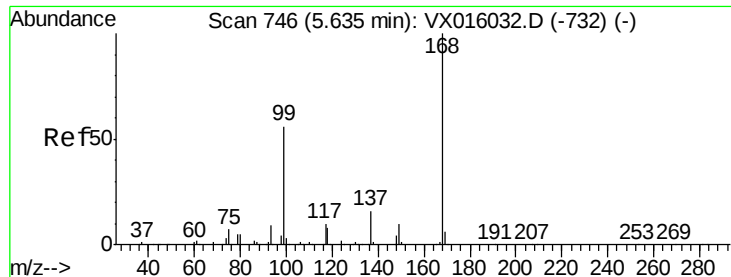
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	11416	2.225	ug/l	98
94) Hexachlorobutadiene	13.77	225	4898	2.064	ug/l	99
95) Naphthalene	13.82	128	35963	2.164	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	10994	2.192	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:168 Resp: 295959

Ion Ratio Lower Upper

168 100

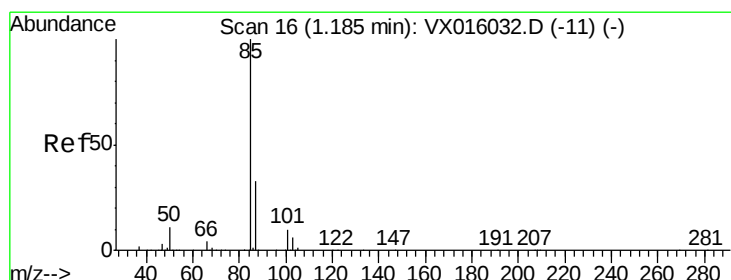
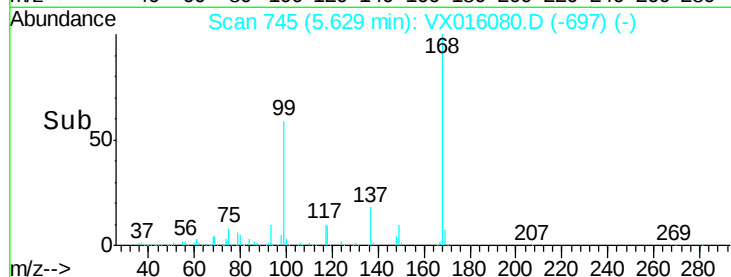
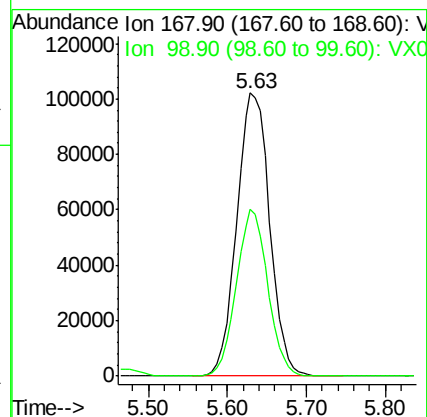
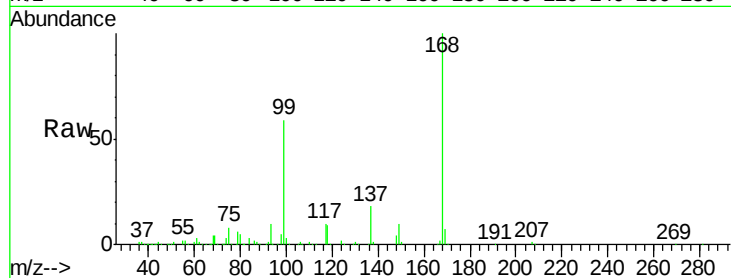
99 58.8 45.0 67.4

Manual Integrations

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5/8/2020 11:55:01 AM



#2

Dichlorodifluoromethane

Concen: 2.241 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016080.D

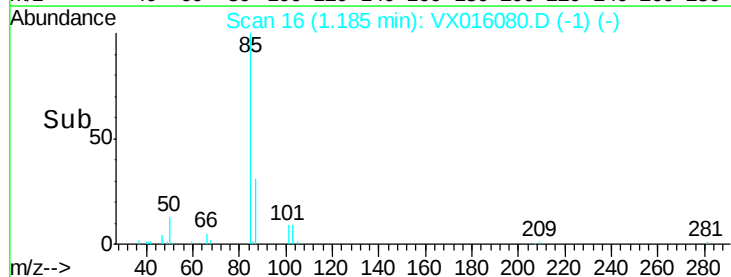
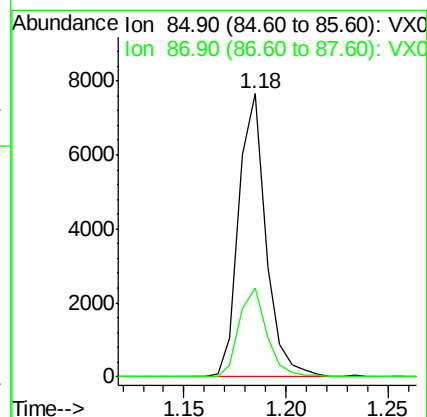
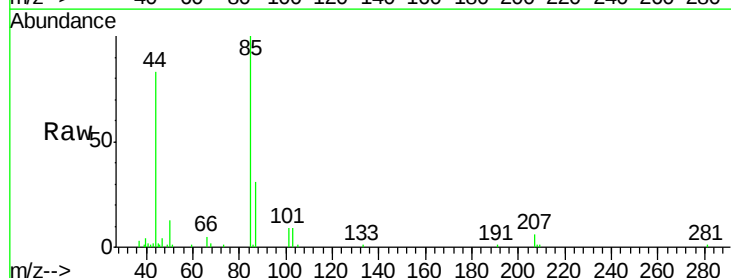
Acq: 06 May 2020 13:50

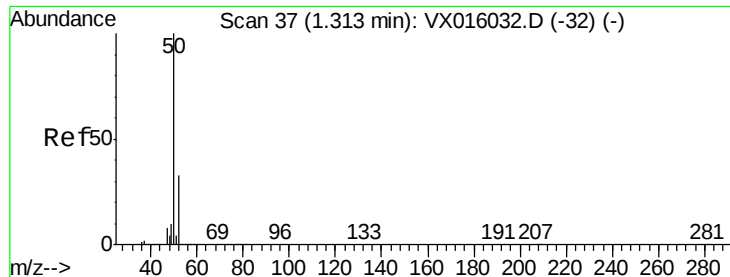
Tgt Ion: 85 Resp: 7021

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.1





#3

Chloromethane

Concen: 2.417 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 8793

Ion Ratio Lower Upper

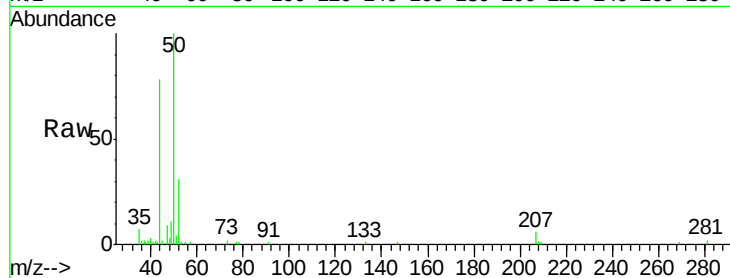
50 100

52 31.1 26.1 39.1

Manual Integrations
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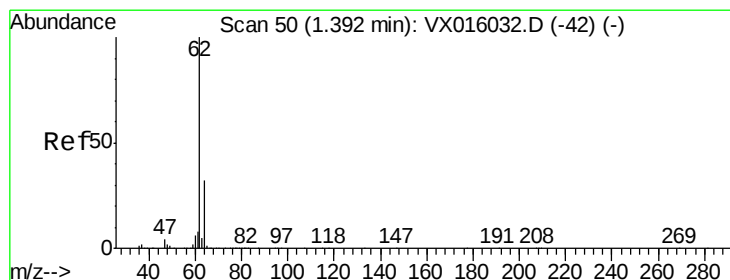
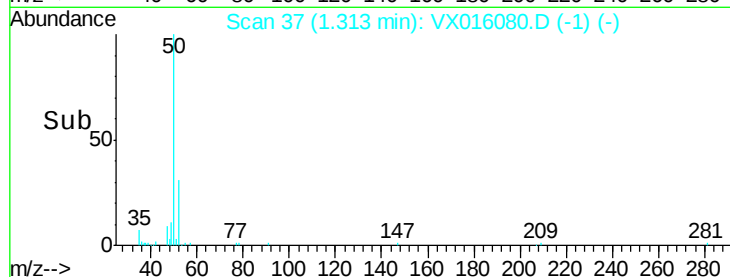
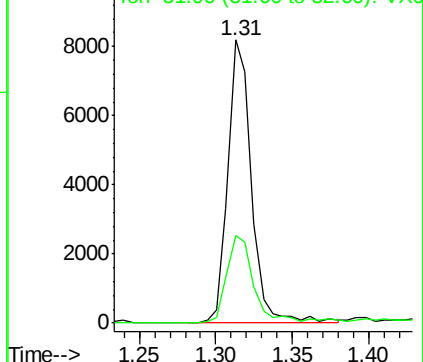
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.370 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016080.D

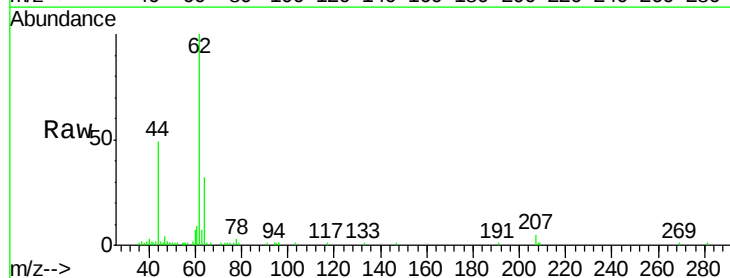
Acq: 06 May 2020 13:50

Tgt Ion: 62 Resp: 9200

Ion Ratio Lower Upper

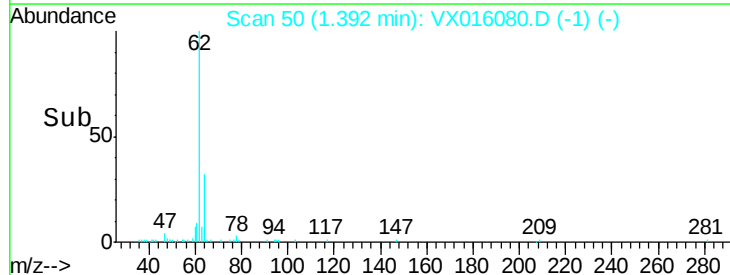
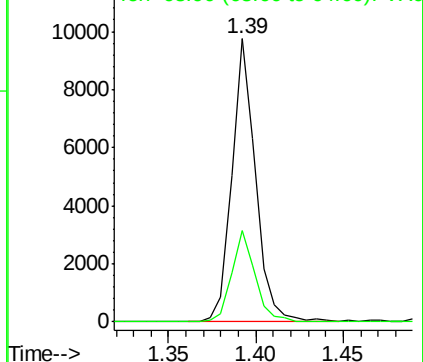
62 100

64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.465 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

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MDL-WATER-03-QT2-2020DL

Tot Ion: 94 Resp: 6781

Ion Ratio Lower Upper

94 100

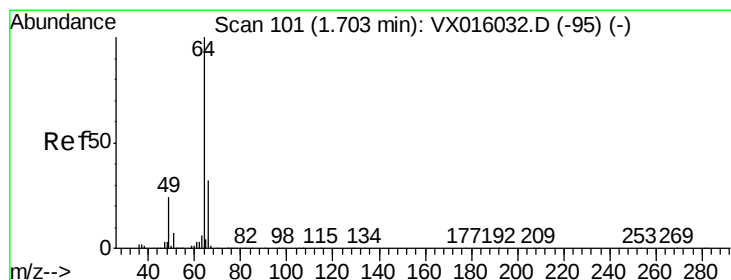
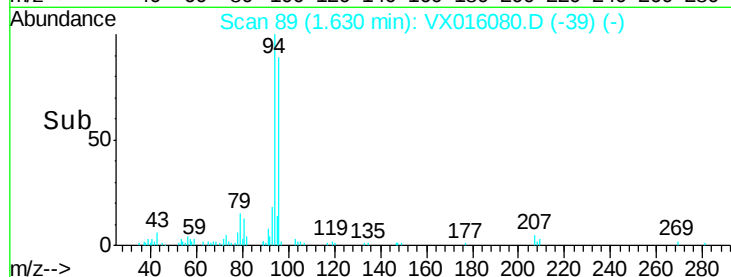
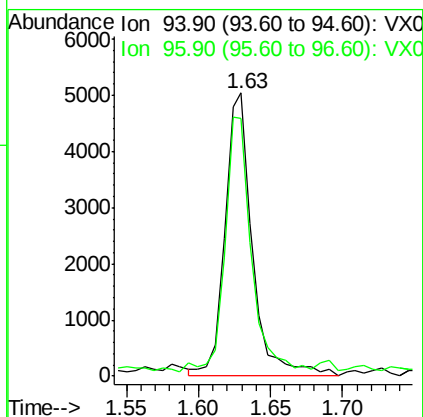
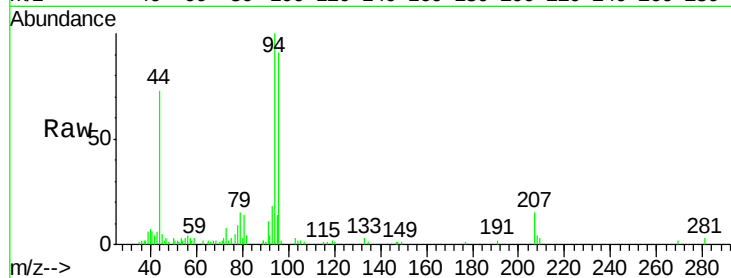
96 89.3 76.9 115.3

Manual Integrations

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#6

Chloroethane

Concen: 2.472 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX016080.D

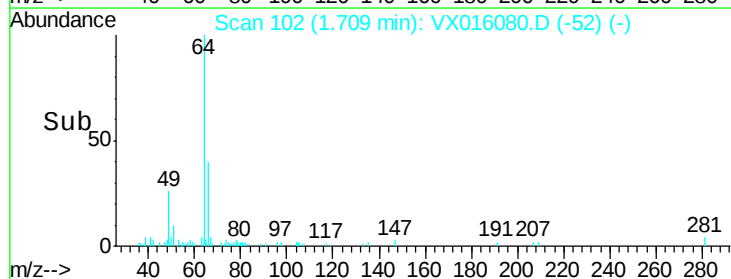
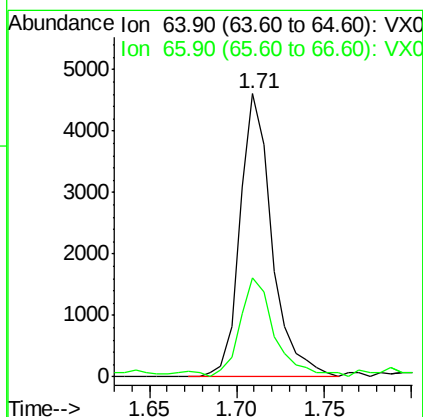
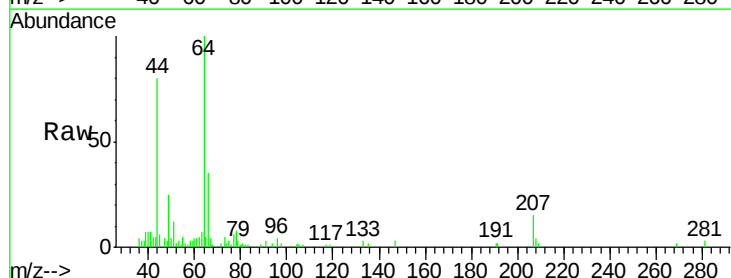
Acq: 06 May 2020 13:50

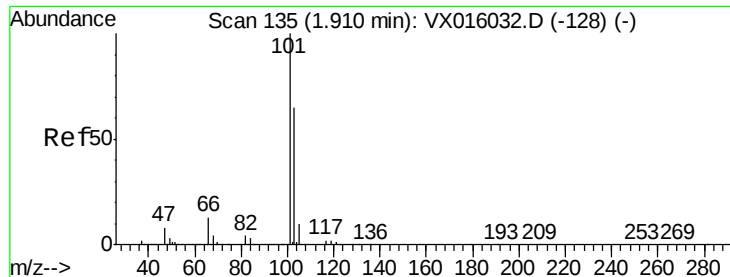
Tgt Ion: 64 Resp: 5838

Ion Ratio Lower Upper

64 100

66 33.6 25.2 37.8





#7

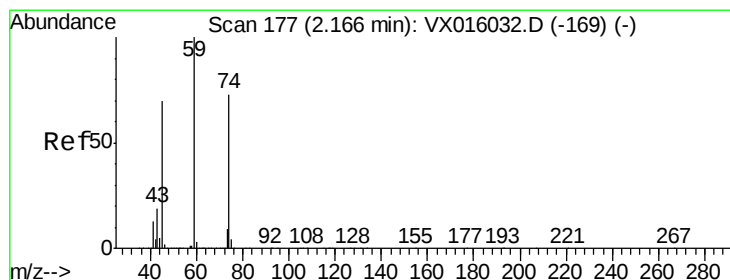
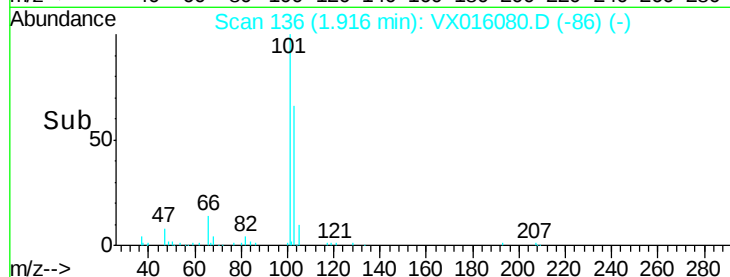
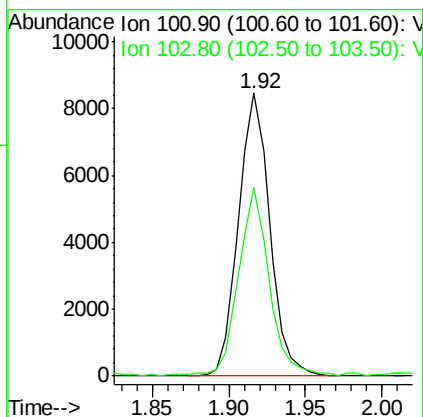
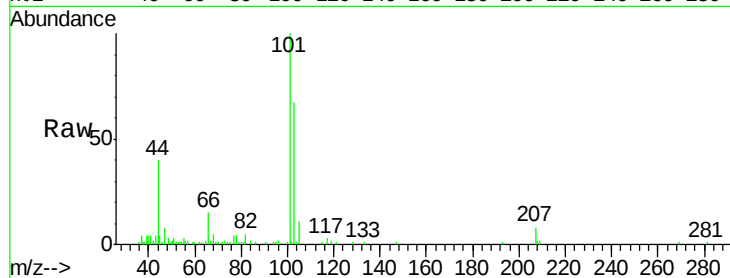
Trichlorofluoromethane
Concen: 2.366 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
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MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.8	77.6

Manual Integrations
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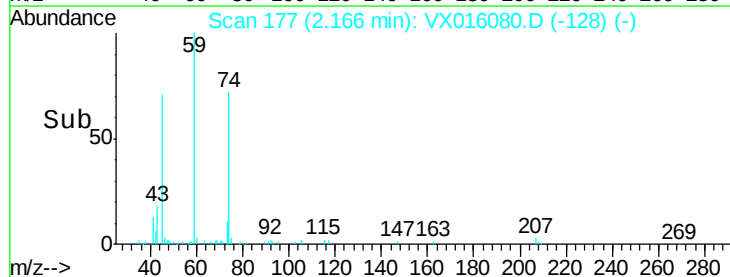
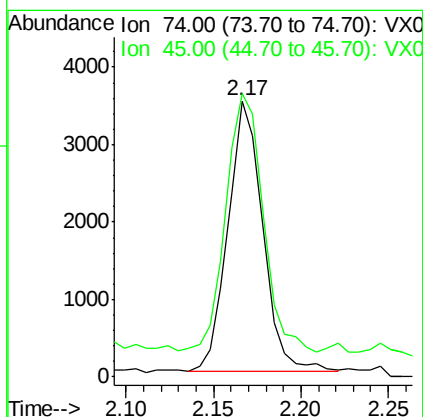
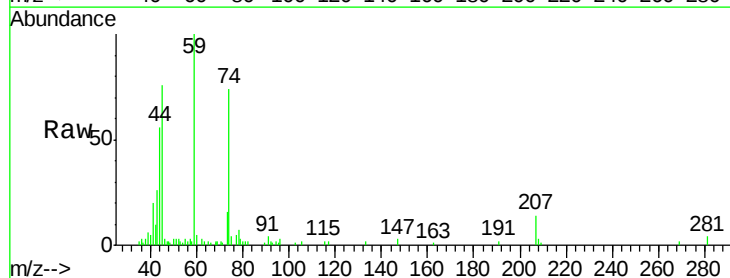
MMDadoda
5/8/2020 11:55:01 AM

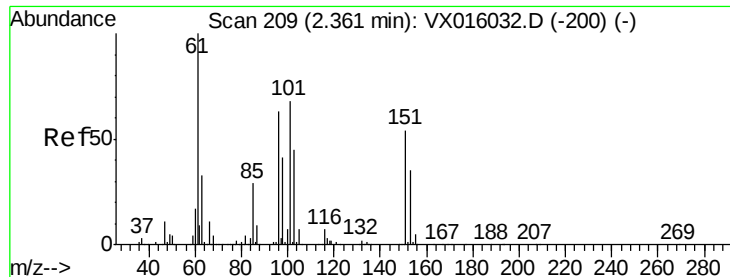


#8

Diethyl Ether
Concen: 2.246 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.2	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.423 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

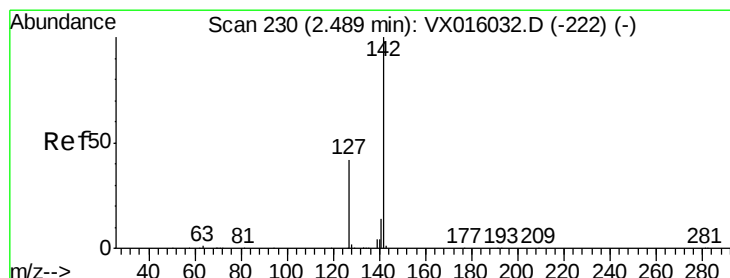
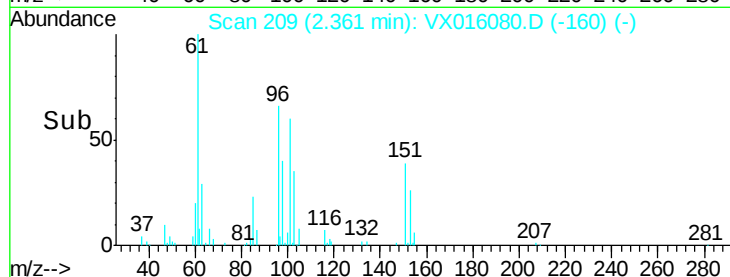
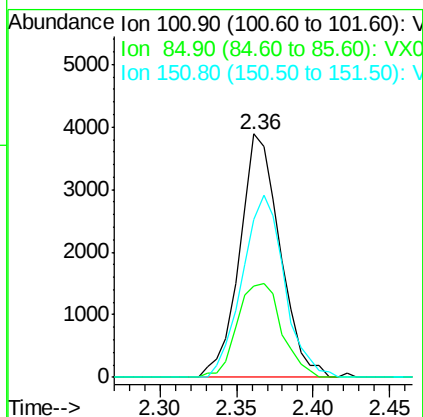
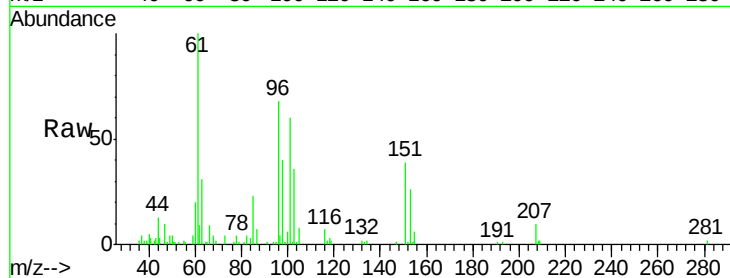
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	101	Resp:	7124
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	78.6	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 1.870 ug/l

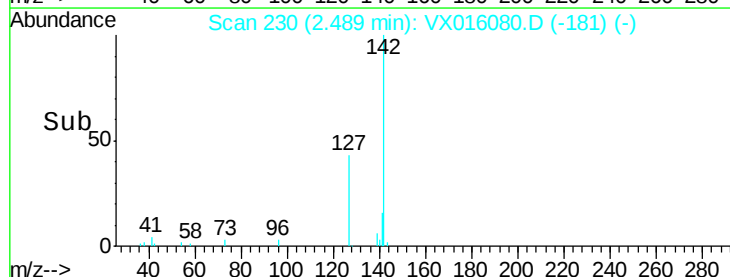
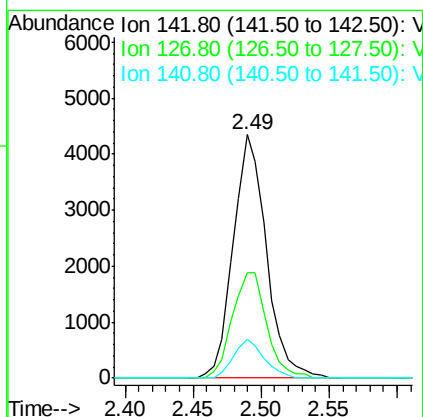
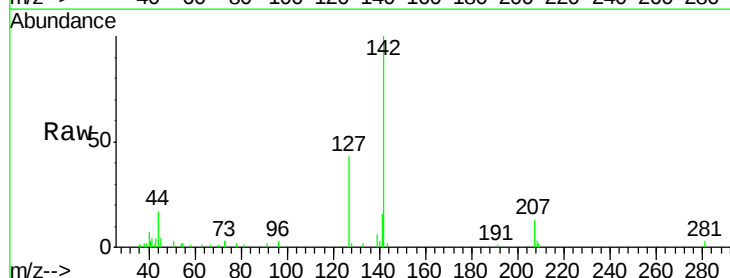
RT: 2.49 min Scan# 230

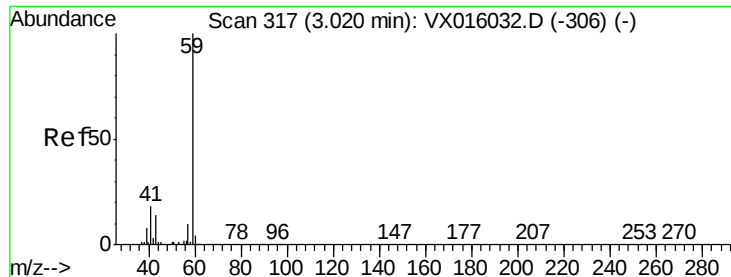
Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	142	Resp:	7385
Ion Ratio	Lower	Upper	
142	100		
127	44.9	34.6	52.0
141	14.5	11.3	16.9





#11

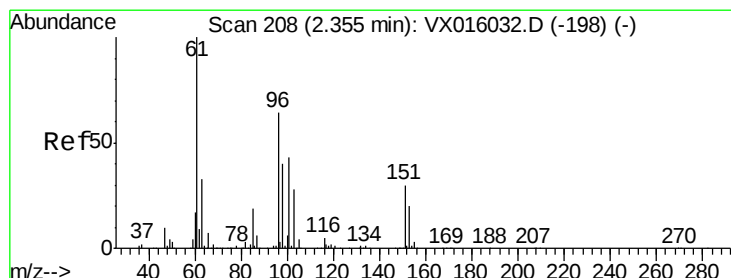
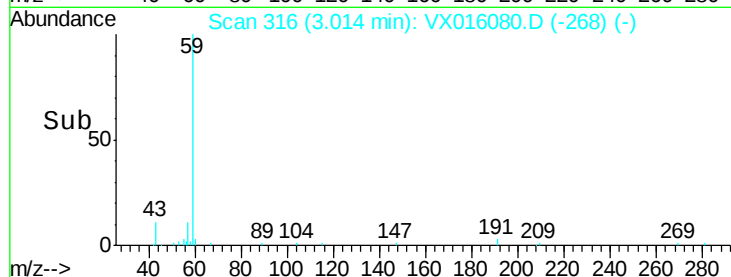
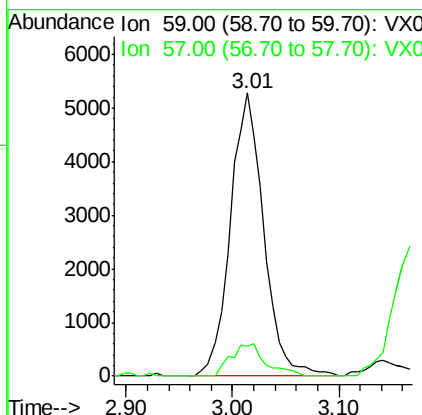
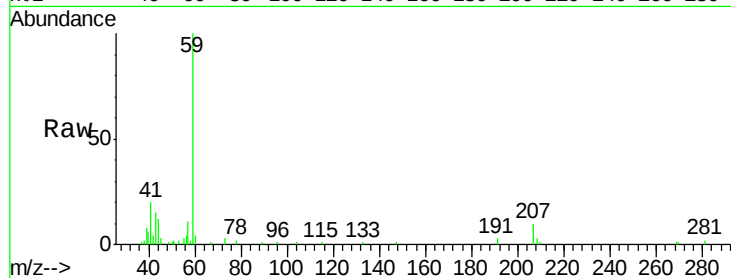
Tert butyl alcohol
Concen: 11.767 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.2	12.4

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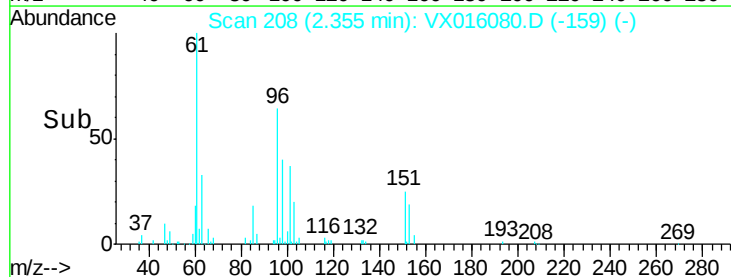
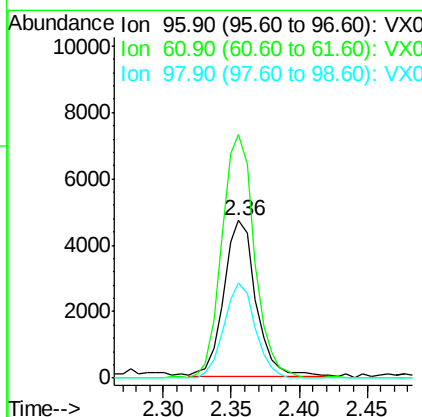
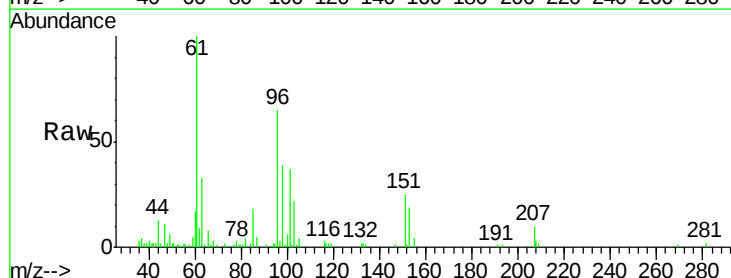
MMDadoda
5/8/2020 11:55:01 AM



#12

1,1-Dichloroethene
Concen: 2.502 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.3	124.8	187.2
98	61.3	49.7	74.5





#13

Acrolein

Concen: 11.391 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 56 Resp: 7020

Ion Ratio Lower Upper

56 100

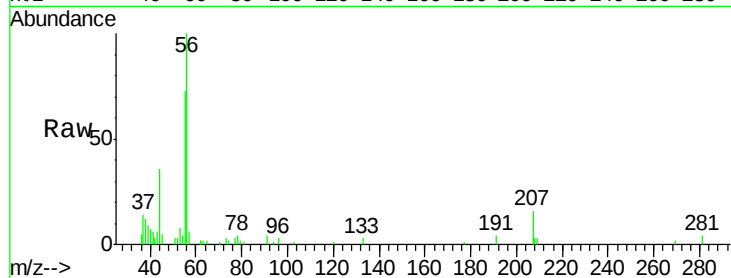
55 69.6 56.5 84.7

Manual Integrations

APPROVED

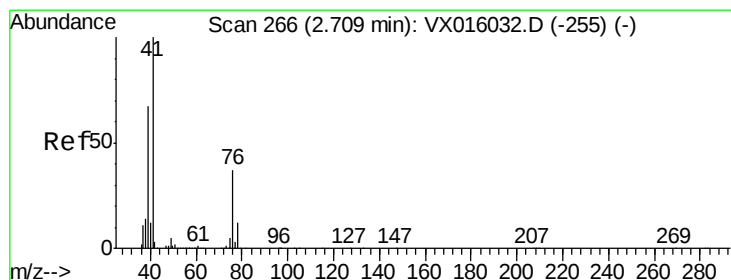
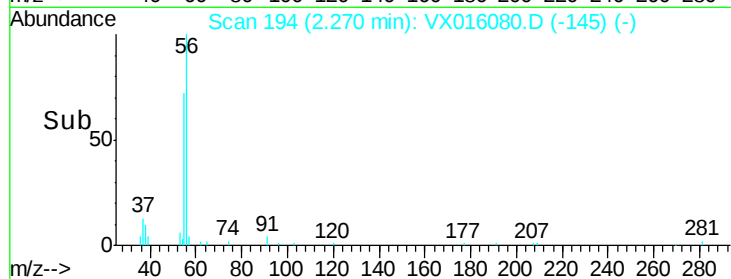
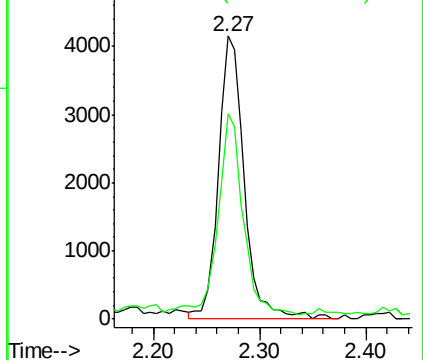
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.410 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

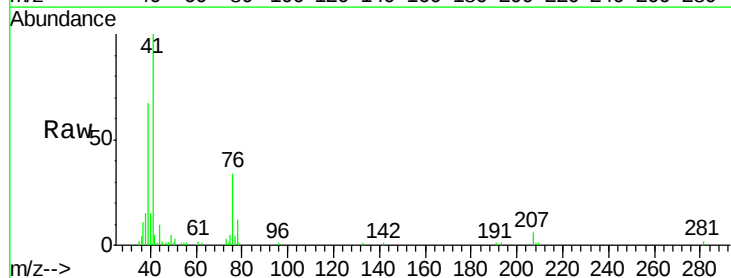
Tgt Ion: 41 Resp: 13593

Ion Ratio Lower Upper

41 100

39 61.9 50.5 75.7

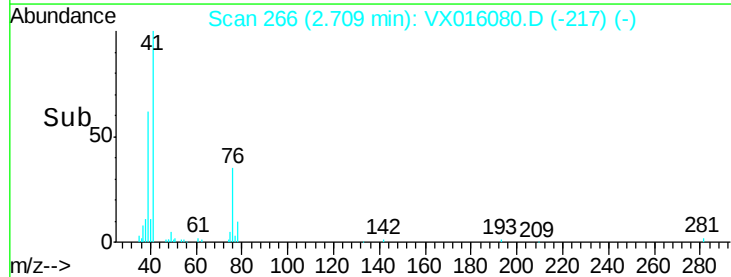
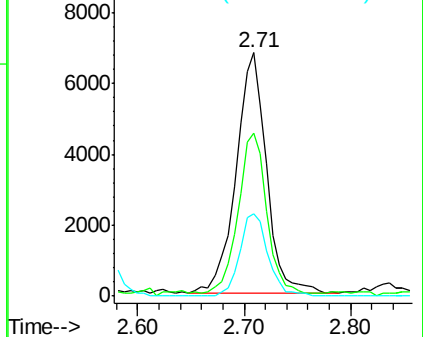
76 31.8 26.6 40.0

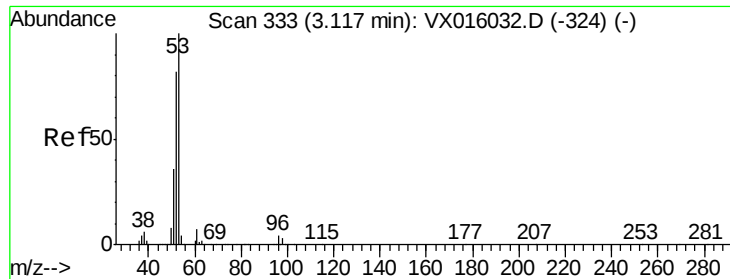


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





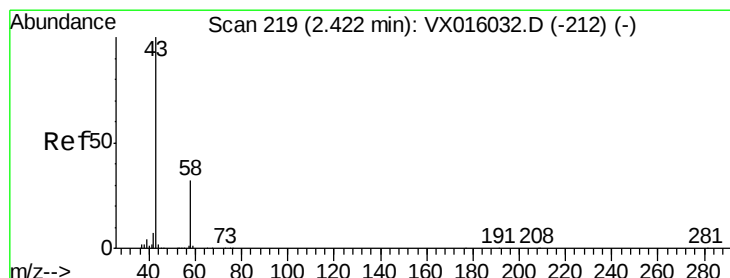
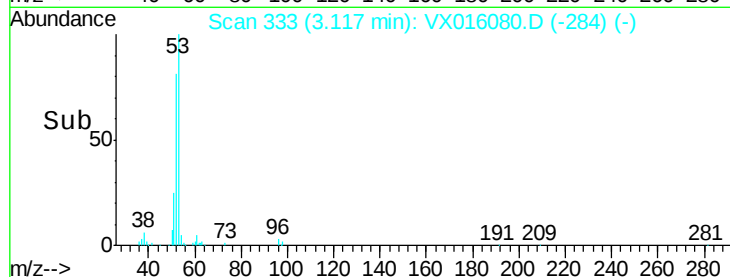
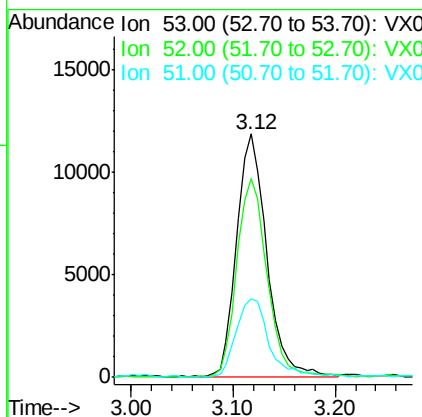
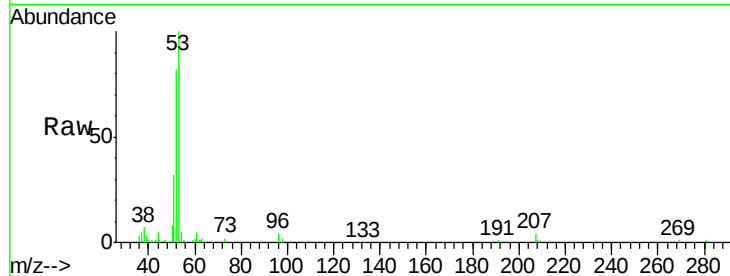
#15
 Acrylonitrile
 Concen: 11.970 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion:	53	Resp:	24454
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.1	99.1
51	35.3	28.8	43.2

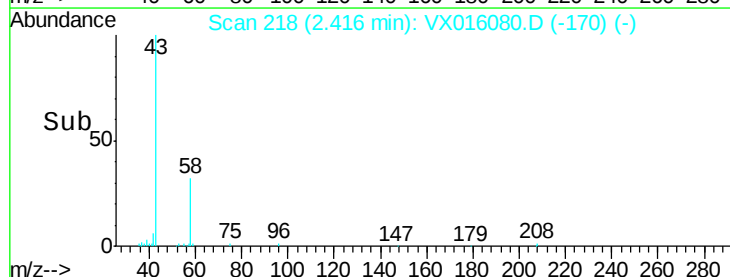
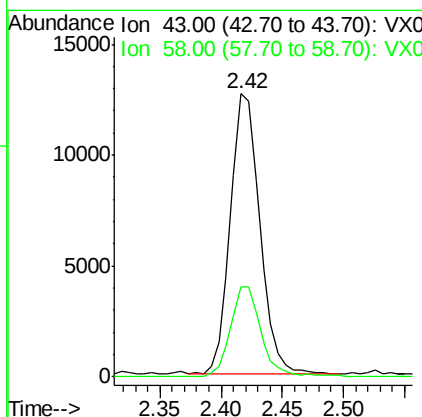
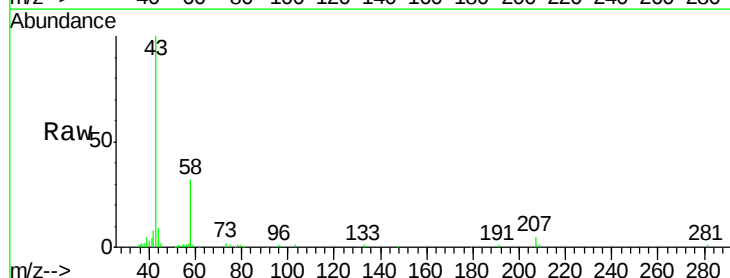
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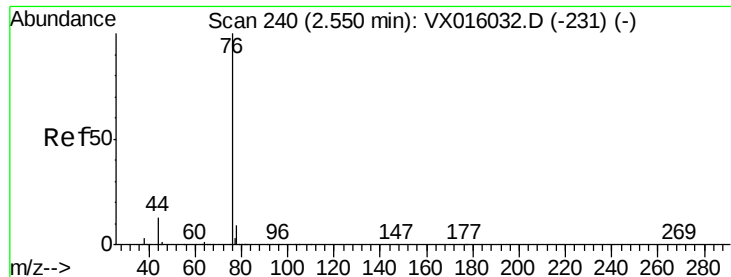
MMDadoda
 5/8/2020 11:55:01 AM



#16
 Acetone
 Concen: 12.132 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion:	43	Resp:	21081
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.0





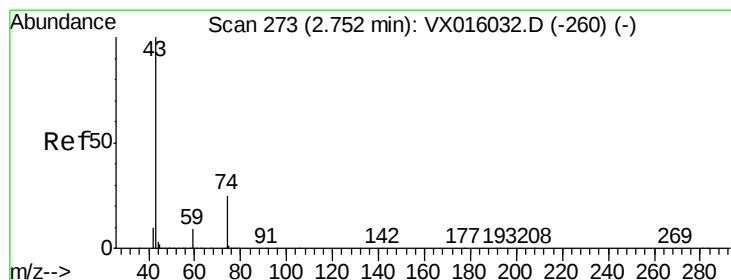
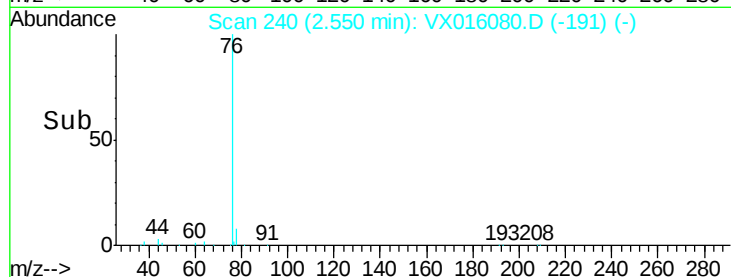
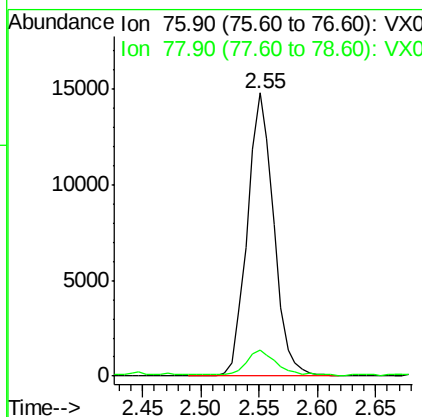
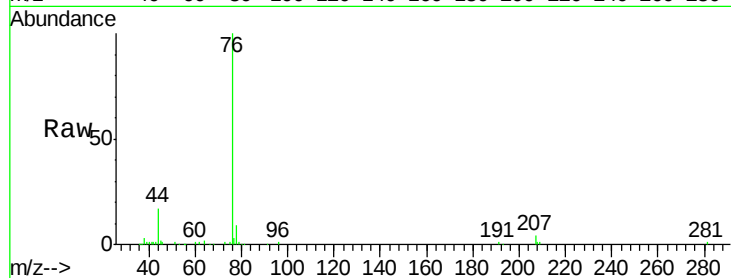
#17
Carbon Disulfide
Concen: 2.249 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

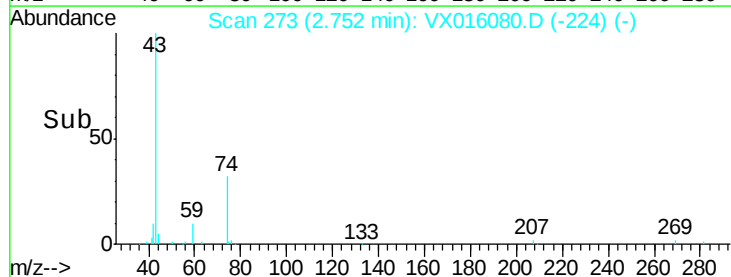
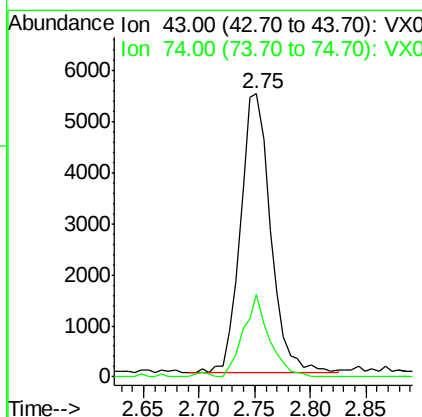
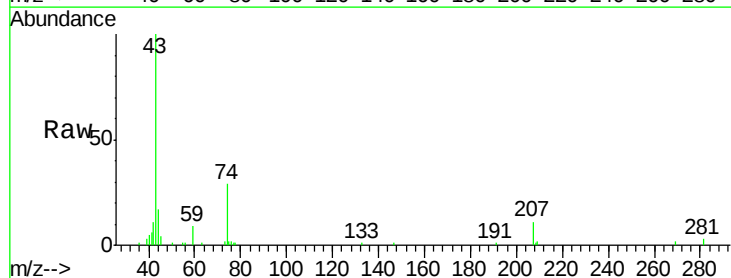
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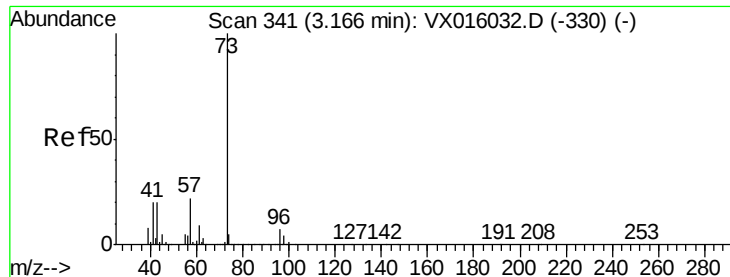
MMDadoda
5/8/2020 11:55:01 AM



#18
Methyl Acetate
Concen: 2.392 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.2	30.2





#19

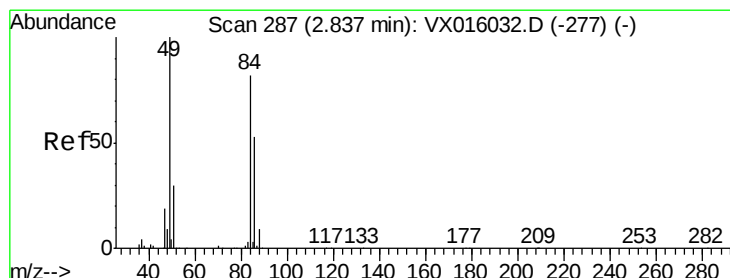
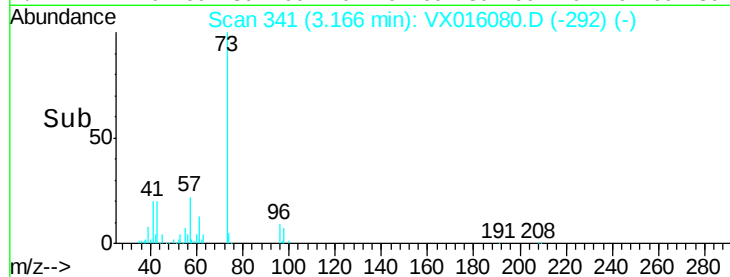
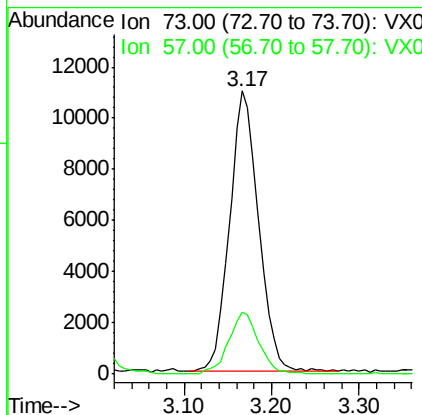
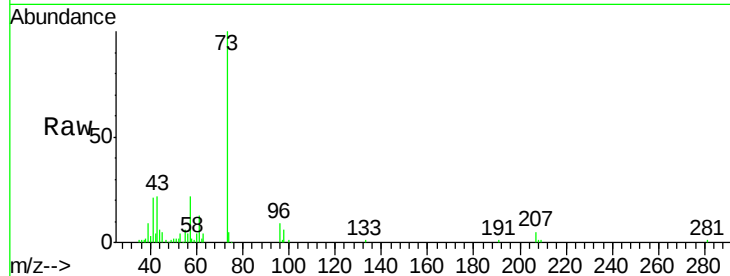
Methyl tert-butyl Ether
 Concen: 2.389 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.6

Manual Integrations
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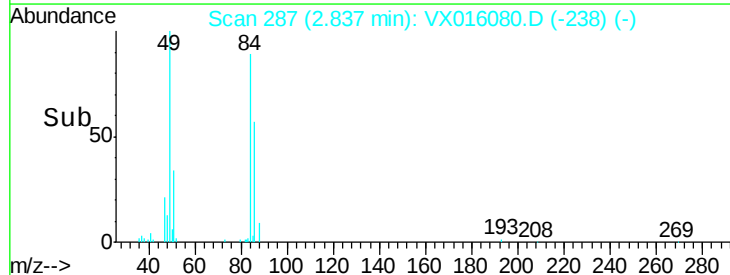
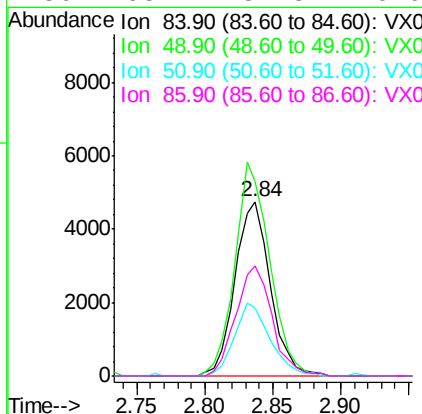
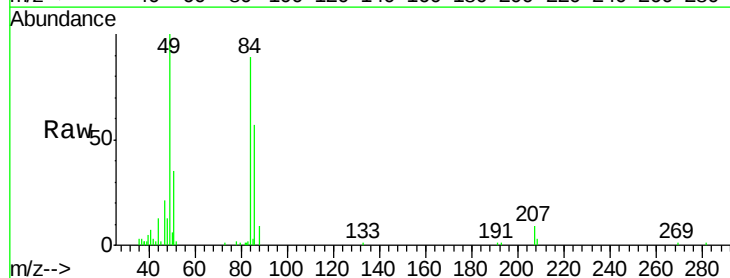
MMDadoda
 5/8/2020 11:55:01 AM



#20

Methylene Chloride
 Concen: 2.406 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.8	97.3	145.9
51	39.0	29.3	43.9
86	63.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 2.487 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

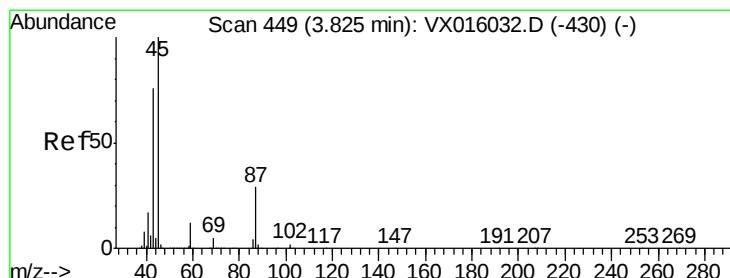
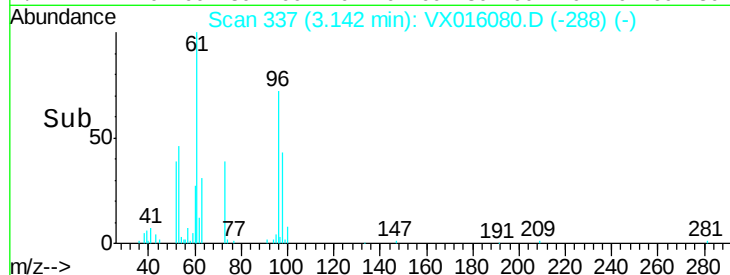
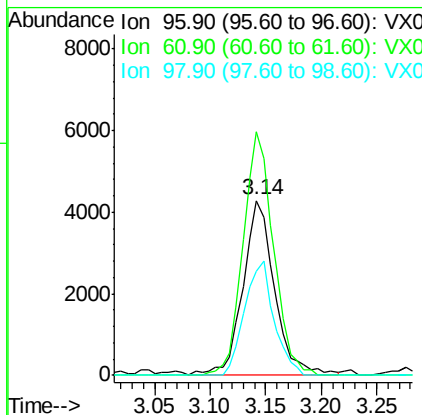
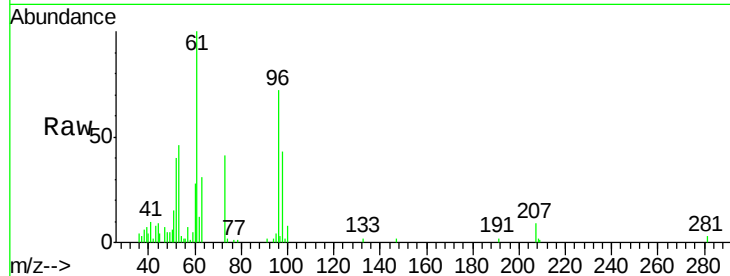
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	96	Resp:	8528
Ion	Ratio	Lower	Upper
96	100		
61	139.4	111.2	166.8
98	59.8	50.2	75.4

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#22

Diisopropyl ether

Concen: 2.425 ug/l

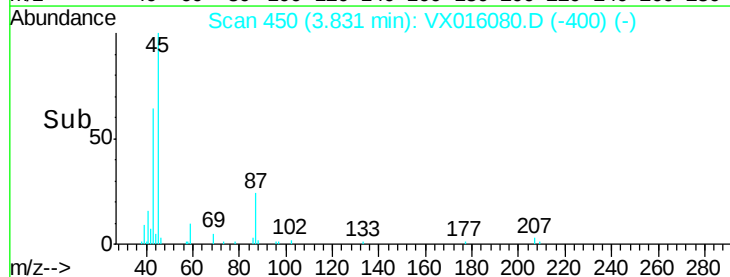
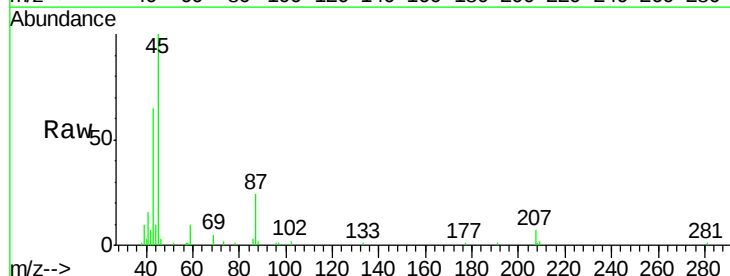
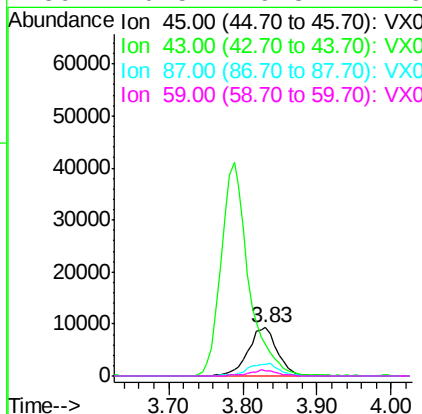
RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	45	Resp:	25809
Ion	Ratio	Lower	Upper
45	100		
43	64.0	61.1	91.7
87	23.9	23.0	34.6
59	10.5	9.8	14.6





#23

Vinyl Acetate

Concen: 11.312 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 105915

Ion Ratio Lower Upper

43 100

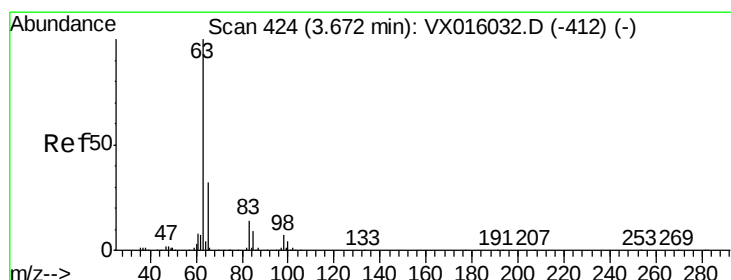
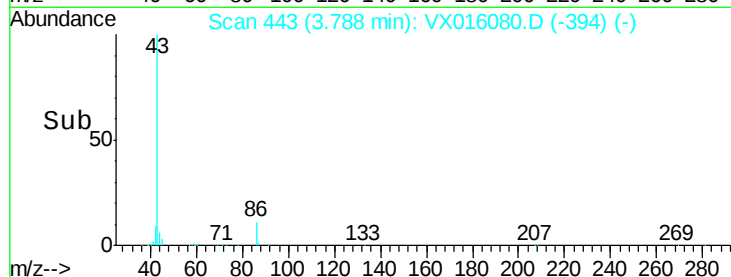
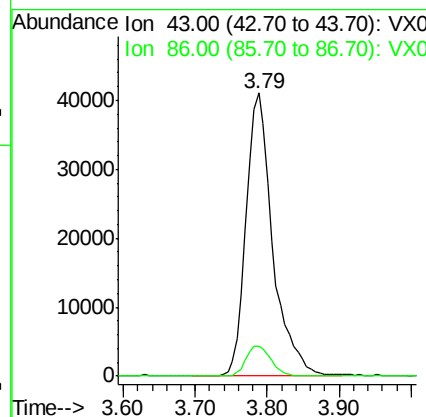
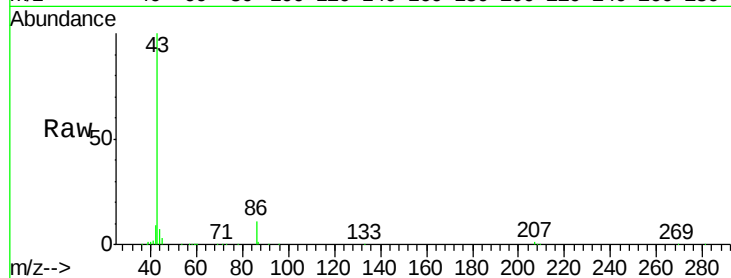
86 10.7 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 2.467 ug/l

RT: 3.68 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

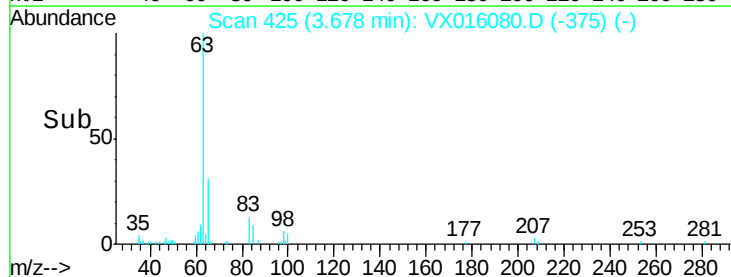
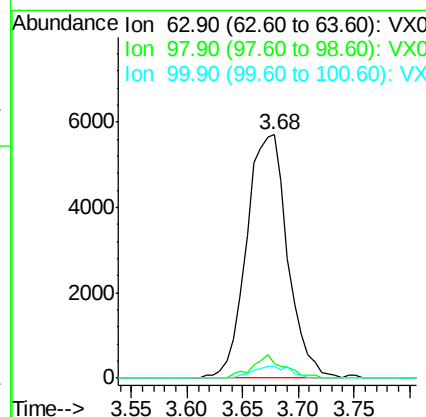
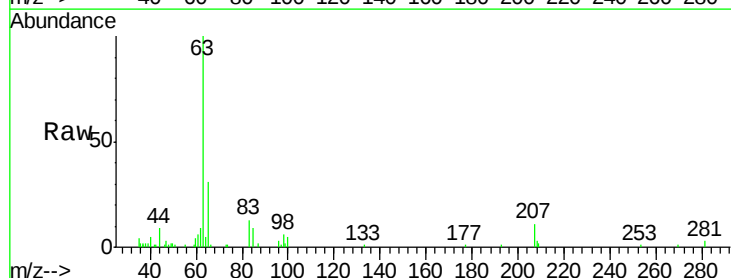
Tgt Ion: 63 Resp: 14688

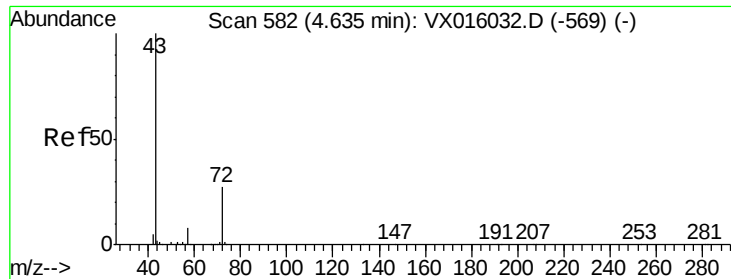
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 4.9 2.1 6.5





#25

2-Butanone

Concen: 12.024 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 33670

Ion Ratio Lower Upper

43 100

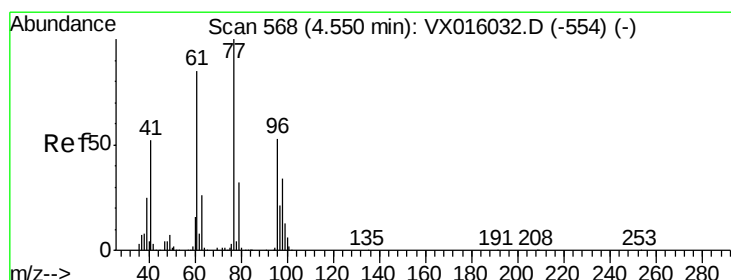
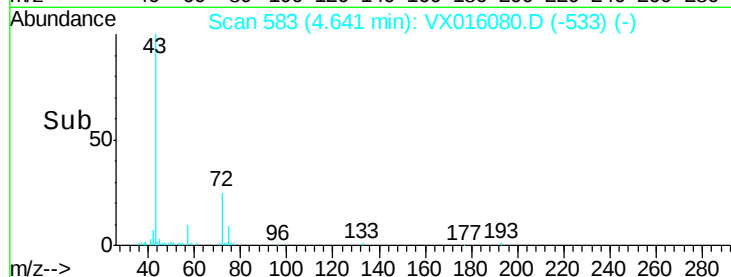
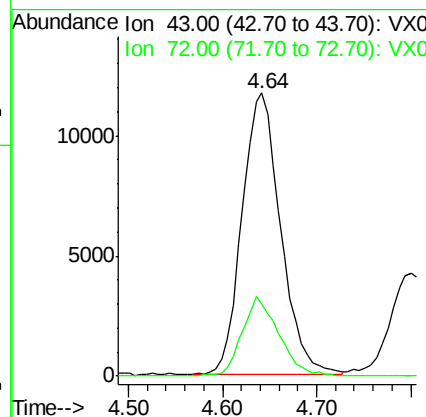
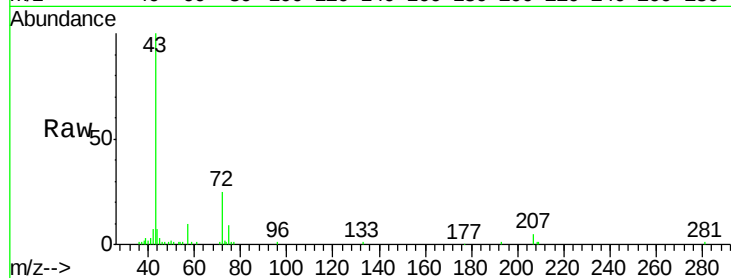
72 25.4 21.8 32.8

Manual Integrations

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5/8/2020 11:55:01 AM



#26

2,2-Dichloropropane

Concen: 2.353 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016080.D

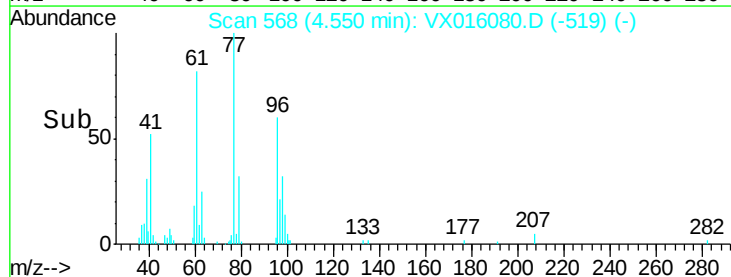
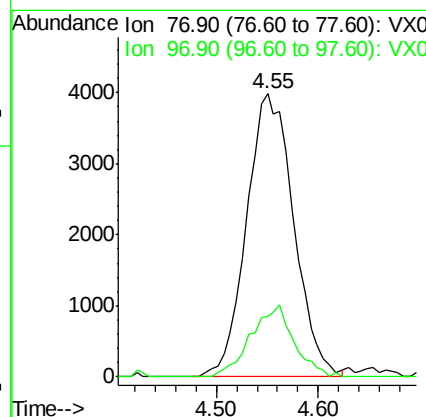
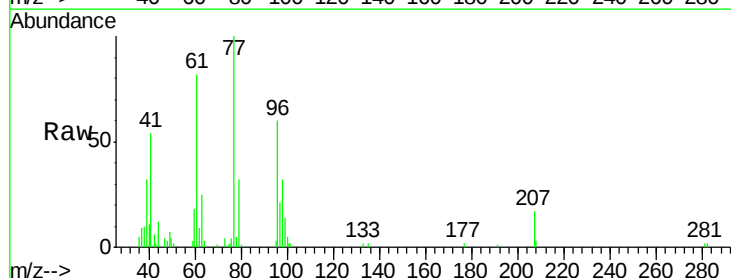
Acq: 06 May 2020 13:50

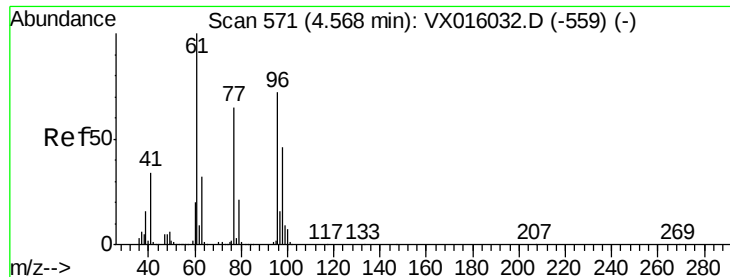
Tgt Ion: 77 Resp: 12793

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6





#27

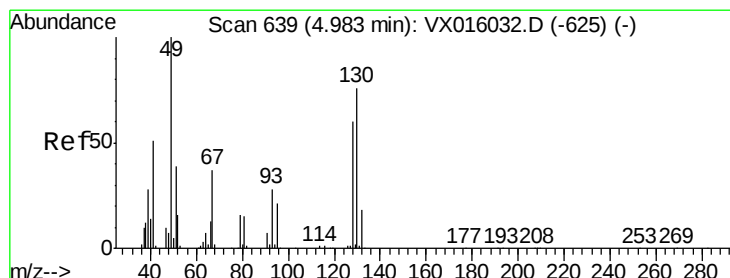
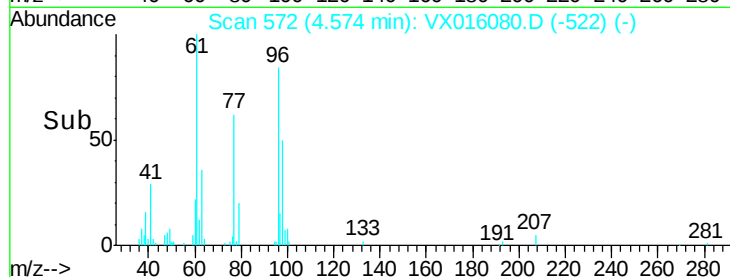
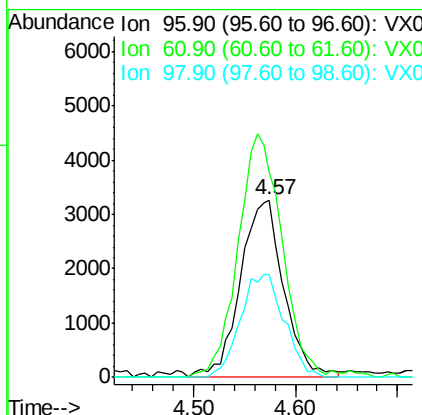
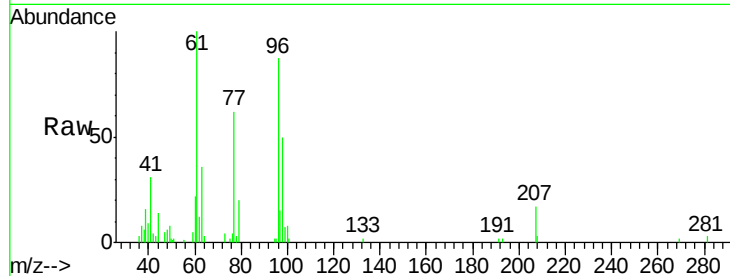
cis-1,2-Dichloroethene
Concen: 2.581 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:	96	Resp:	9675
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	296.2
98	58.6	0.0	129.4

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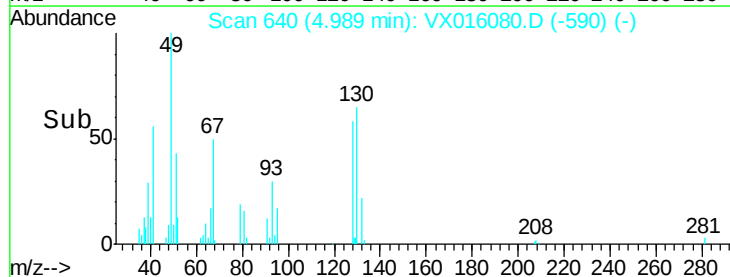
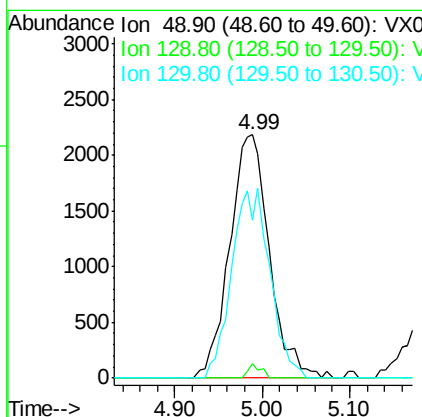
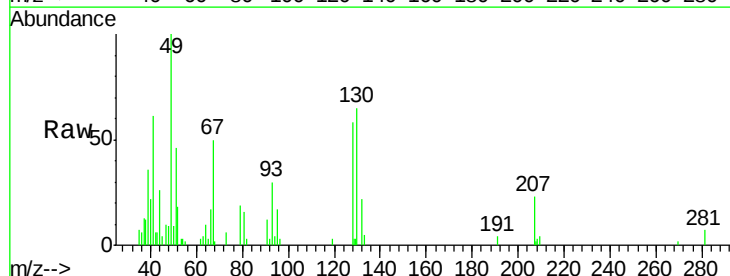
MMDadoda
5/8/2020 11:55:01 AM

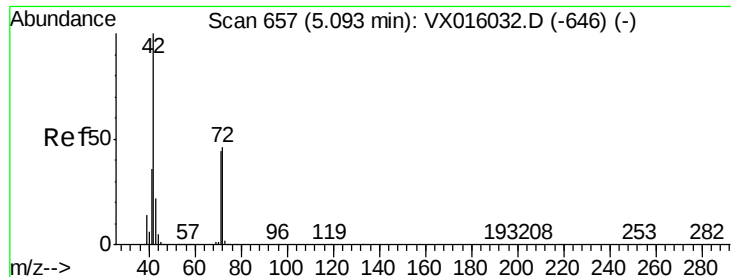


#28

Bromochloromethane
Concen: 2.534 ug/l
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion:	49	Resp:	6878
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	74.6	62.4	93.6





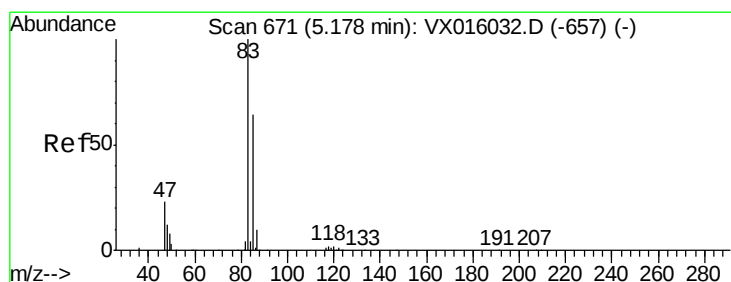
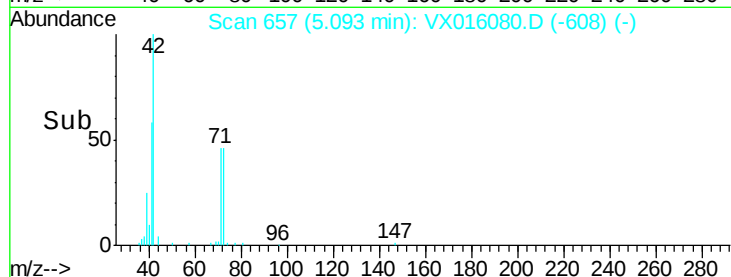
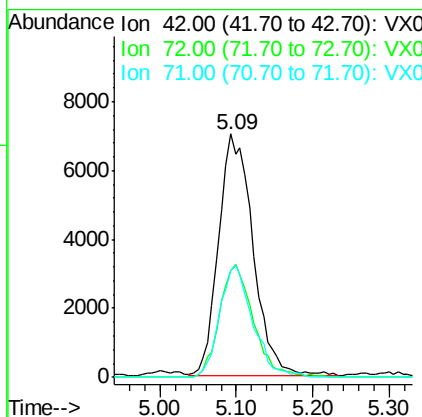
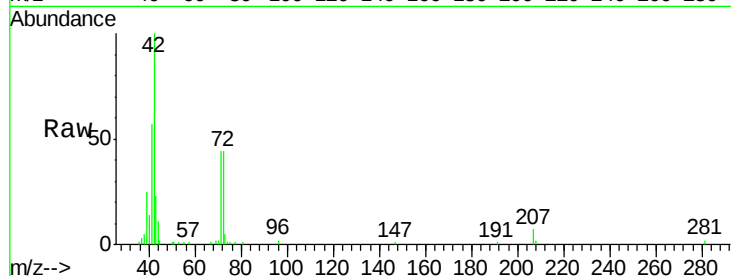
#29
Tetrahydrofuran
Concen: 11.787 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.1	55.7
71	44.3	34.5	51.7

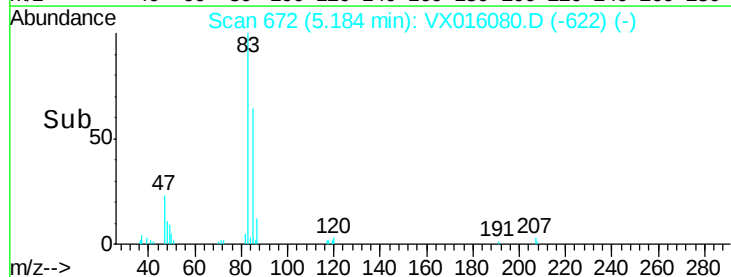
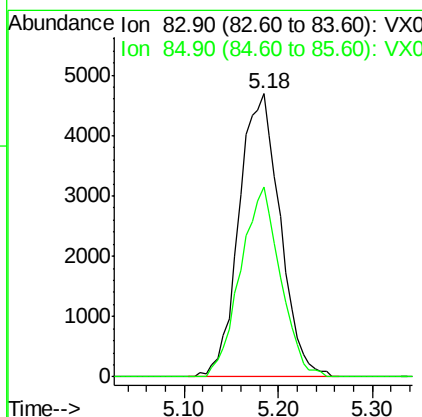
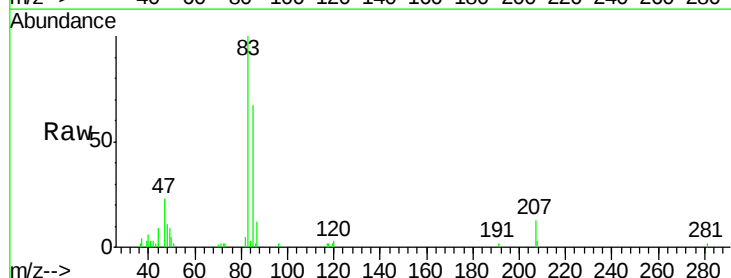
Manual Integrations
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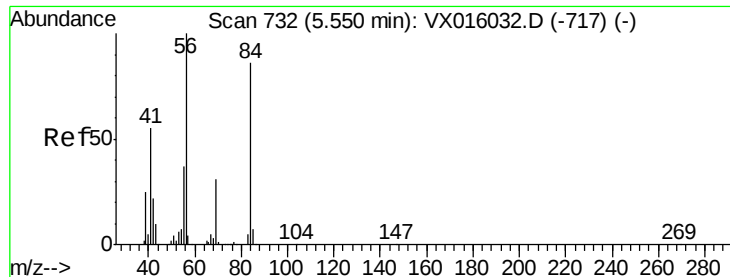
MMDadoda
5/8/2020 11:55:01 AM



#30
Chloroform
Concen: 2.414 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.6	77.4





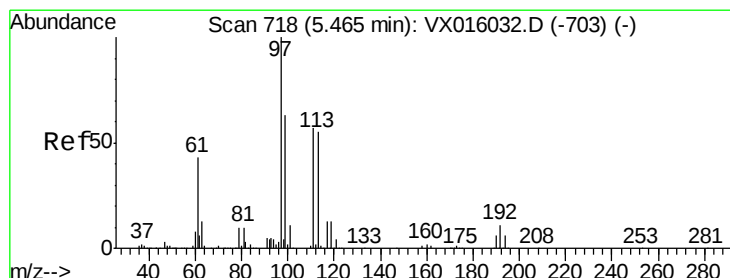
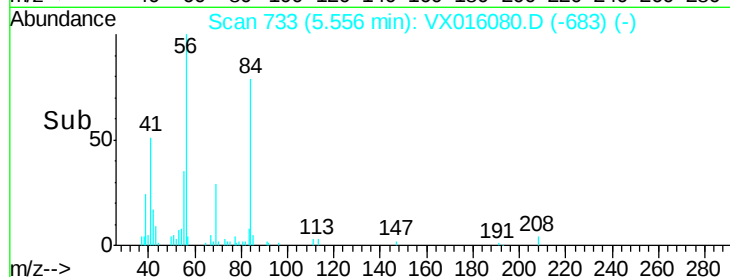
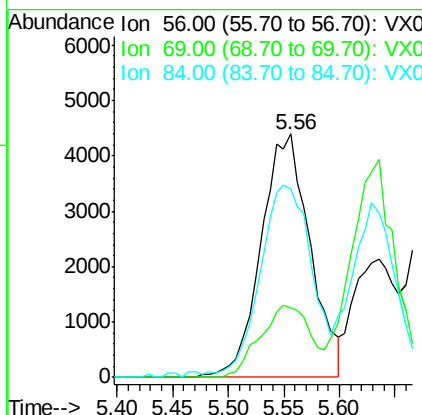
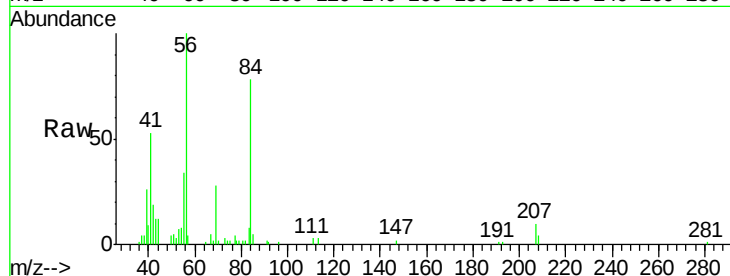
#31
Cyclohexane
Concen: 2.483 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	25.0	37.6
84	75.5	69.0	103.6

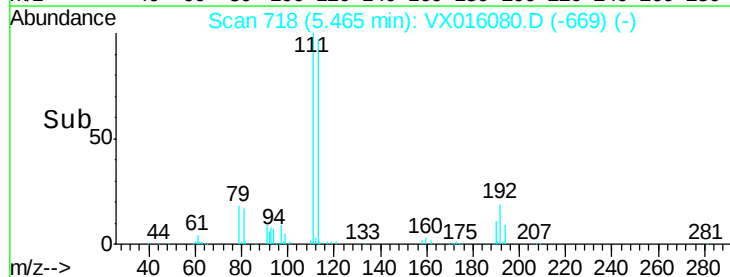
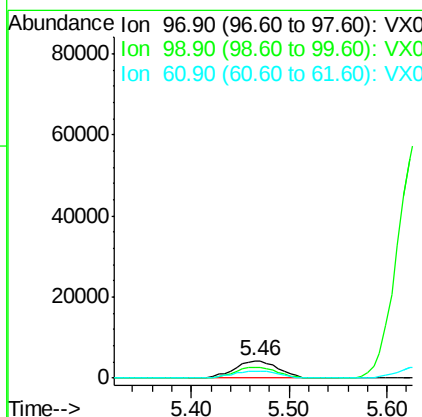
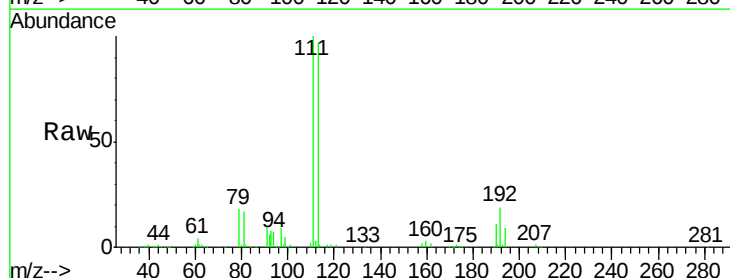
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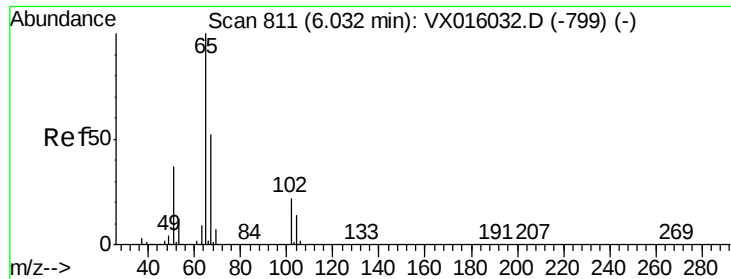
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5/8/2020 11:55:01 AM



#32
1,1,1-Trichloroethane
Concen: 2.471 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.0	76.4
61	43.5	34.5	51.7





#33

1,2-Dichloroethane-d4

Concen: 47.725 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 65 Resp: 185864

Ion Ratio Lower Upper

65 100

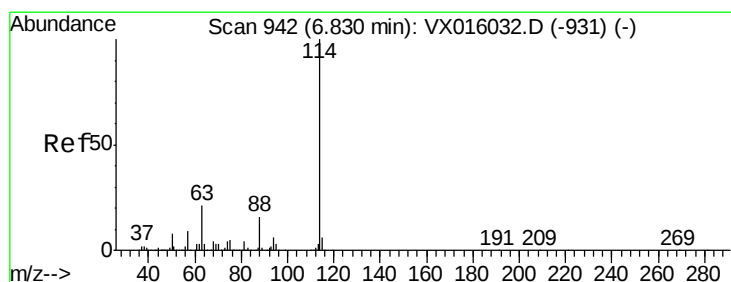
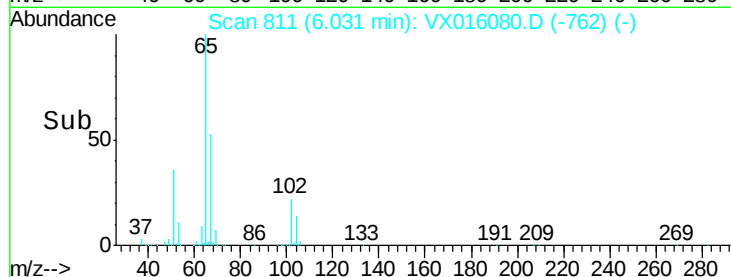
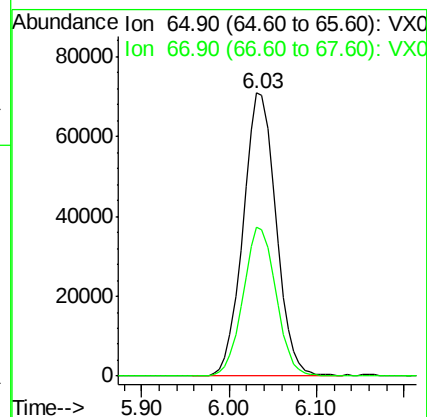
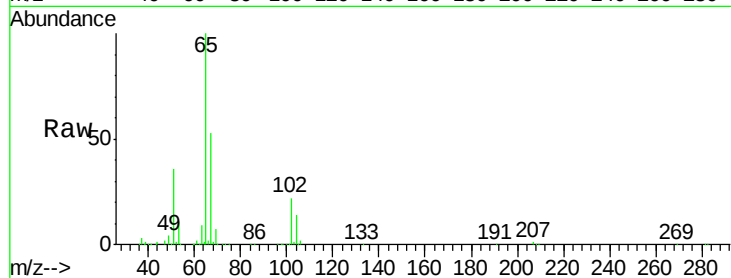
67 52.8 0.0 104.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

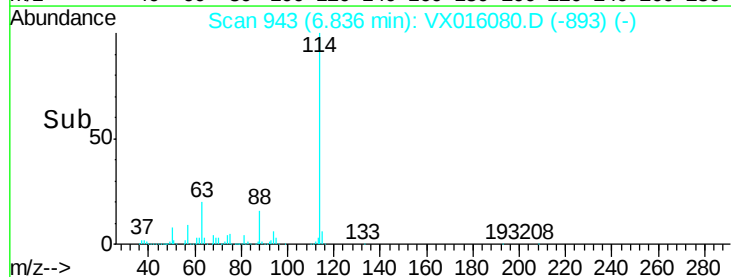
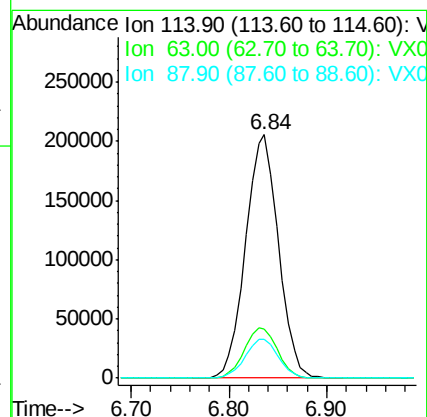
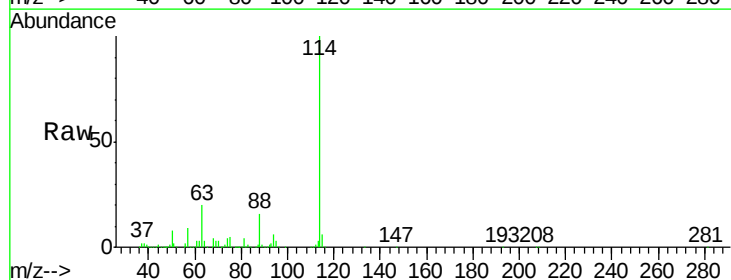
Tgt Ion: 114 Resp: 478062

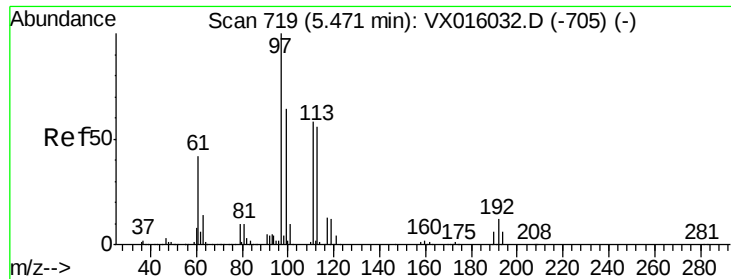
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

88 15.7 0.0 31.4





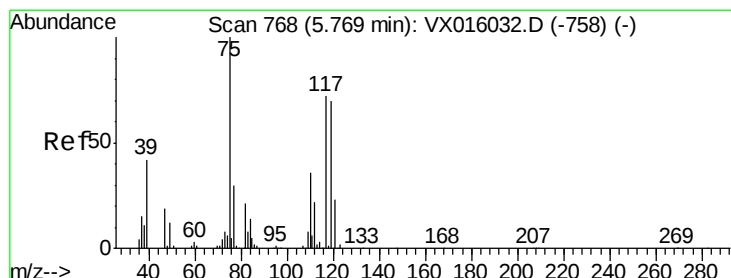
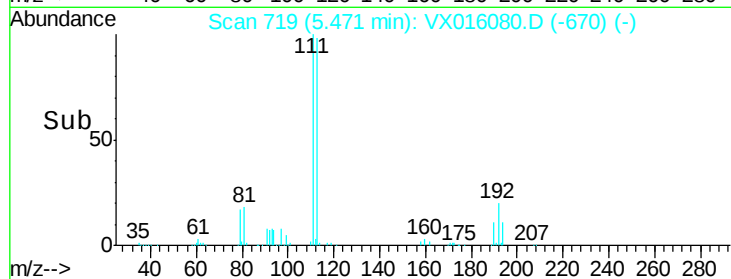
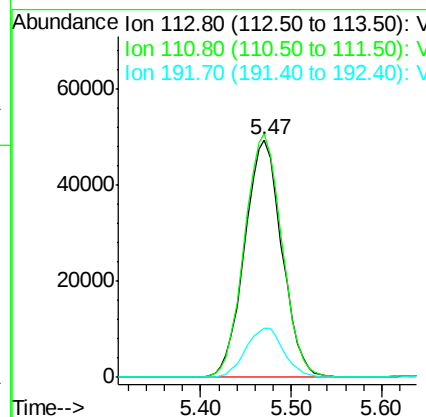
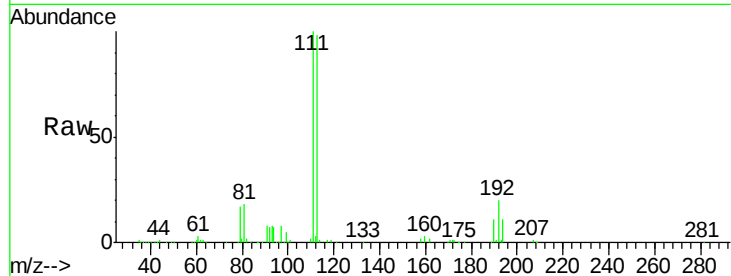
#35
 Dibromofluoromethane
 Concen: 46.419 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.6	122.4	
192	21.3	17.0	25.4	

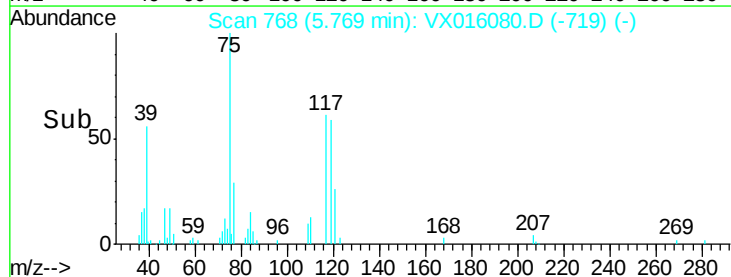
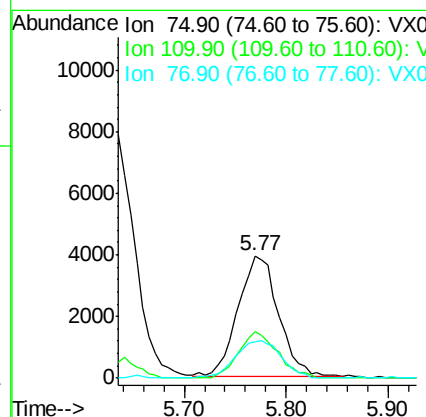
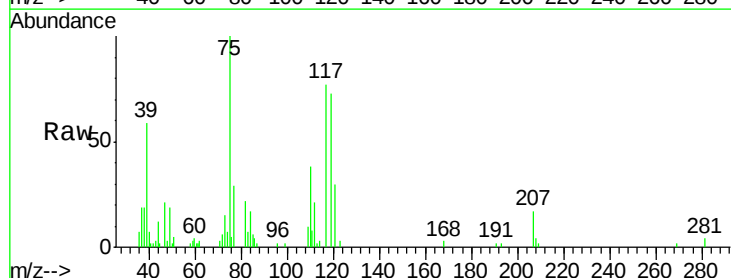
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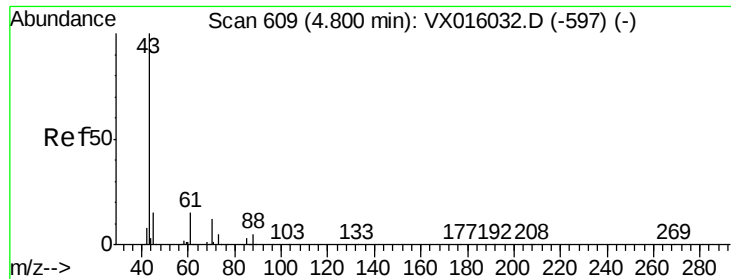
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#36
 1,1-Dichloropropene
 Concen: 2.289 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.1	54.1	
77	35.2	25.0	37.6	





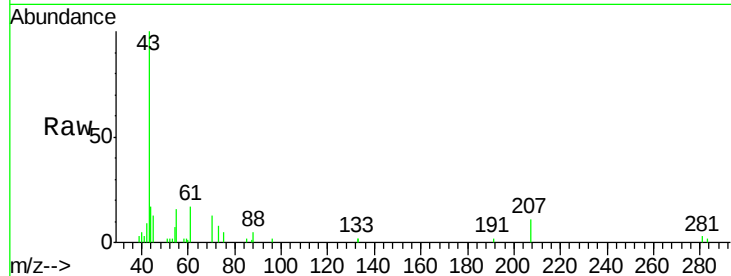
#37
Ethyl Acetate
Concen: 2.304 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

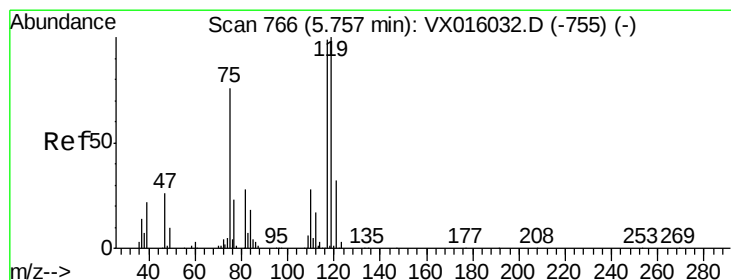
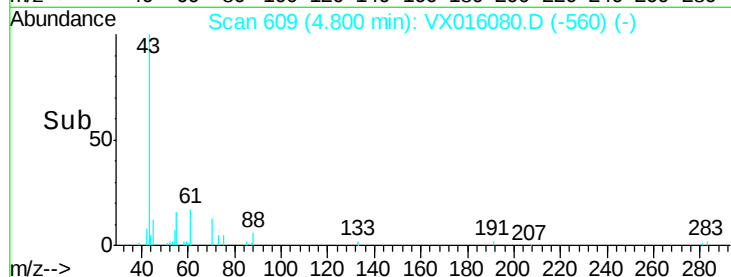
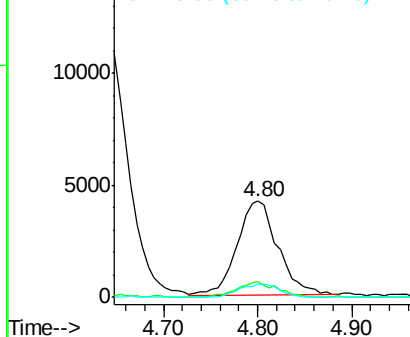
Tot Ion	43	Resp:	12566
Ion Ratio	Lower	Upper	
43	100		
61	16.6	11.7	17.5
70	13.9	9.3	13.9

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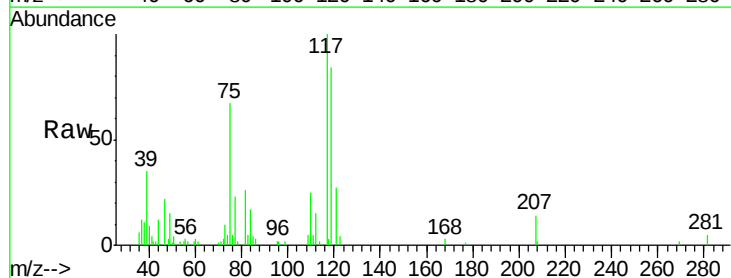


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

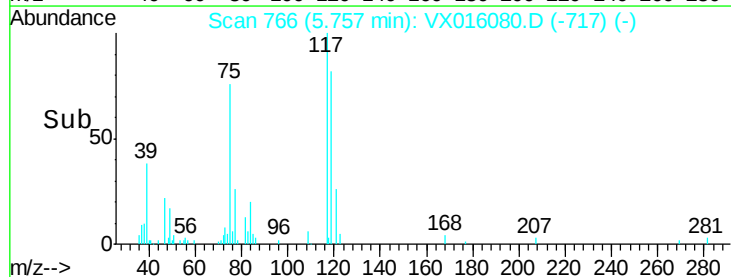
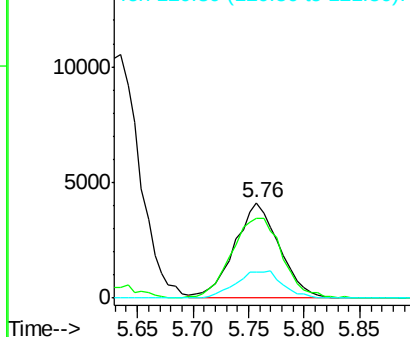


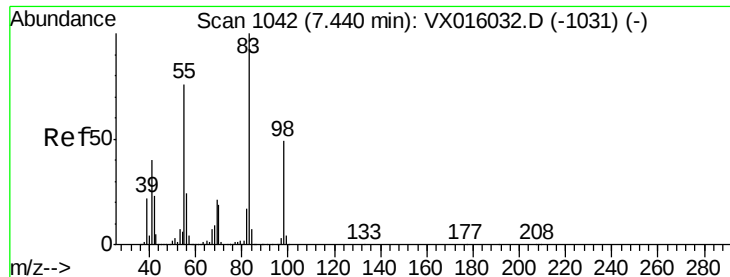
#38
Carbon Tetrachloride
Concen: 2.413 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	117	Resp:	11543
Ion Ratio	Lower	Upper	
117	100		
119	83.9	80.3	120.5
121	27.2	25.7	38.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





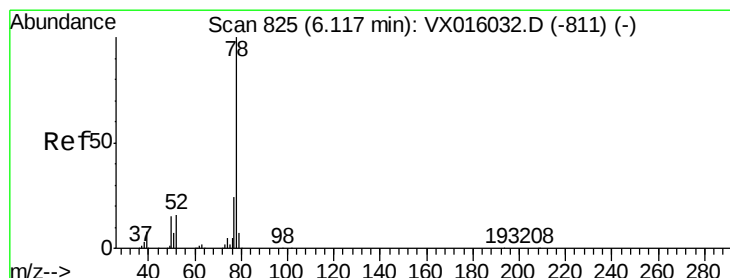
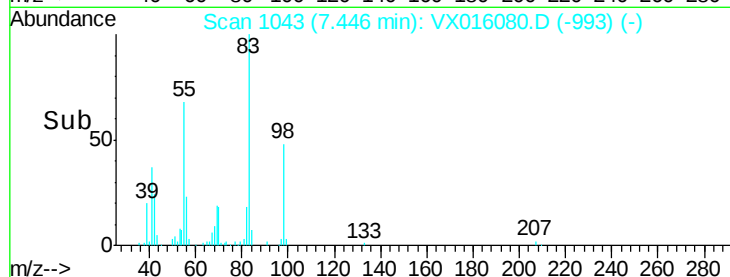
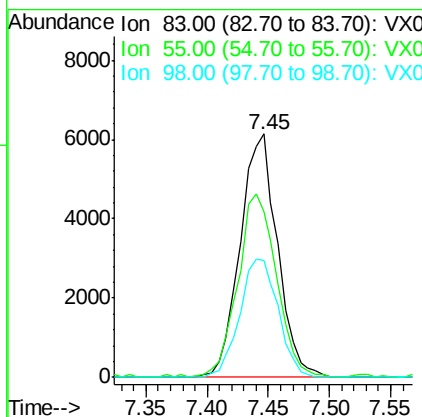
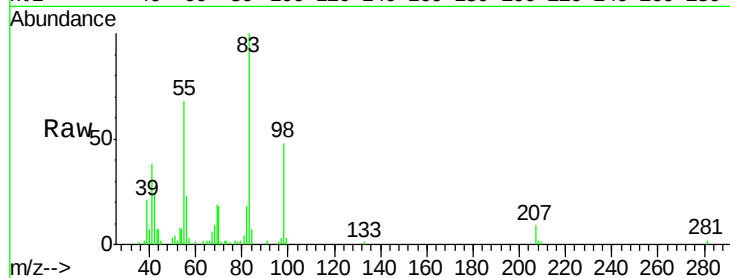
#39
Methvlcvclohexane
Concen: 2.297 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	61.1	91.7
98	48.2	39.0	58.4

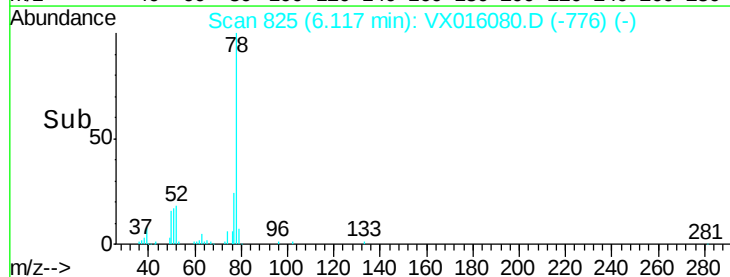
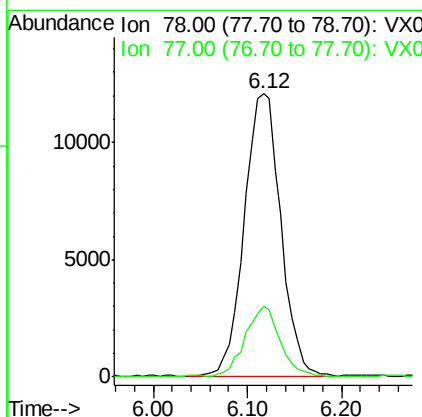
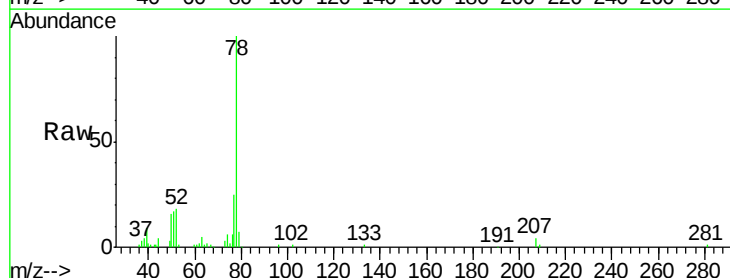
Manual Integrations
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5/8/2020 11:55:01 AM



#40
Benzene
Concen: 2.383 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.4





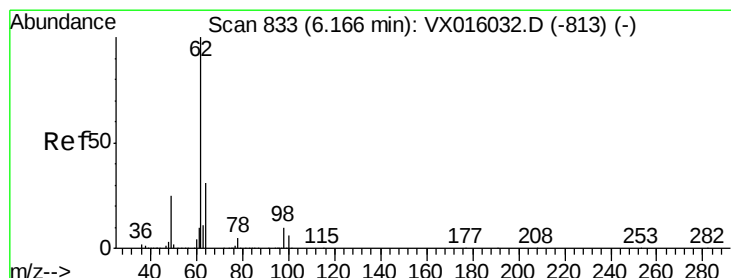
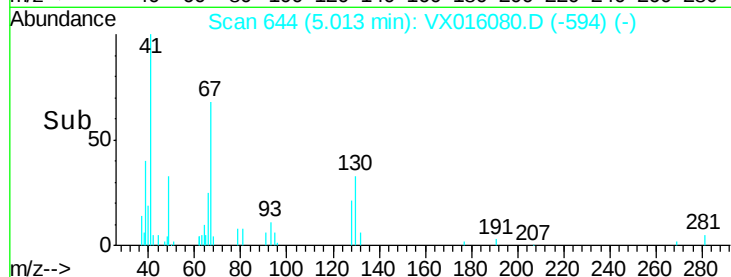
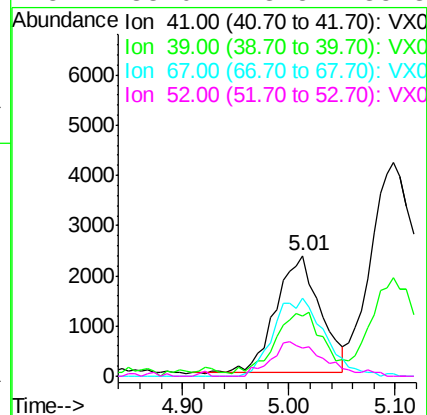
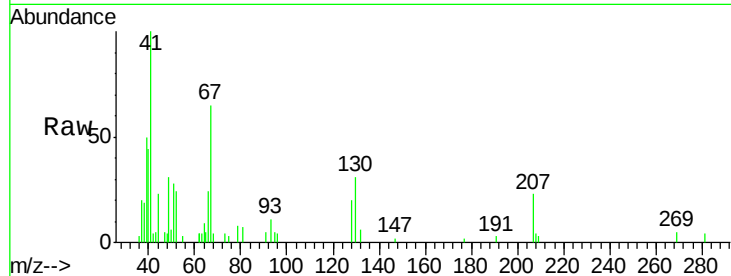
#41
Methacrylonitrile
Concen: 2.291 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.2	64.8
67	75.7	59.3	88.9
52	33.0	23.5	35.3

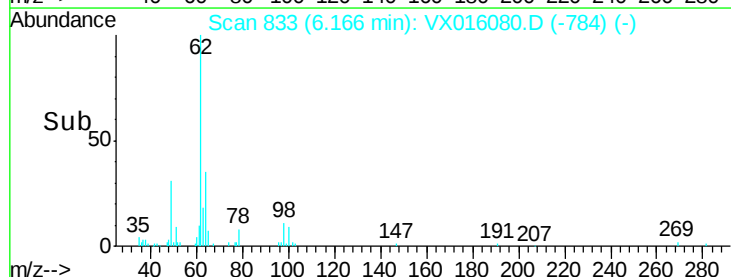
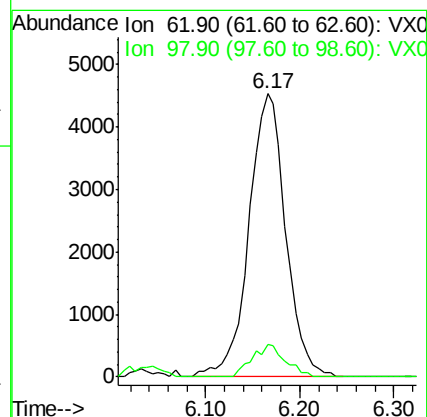
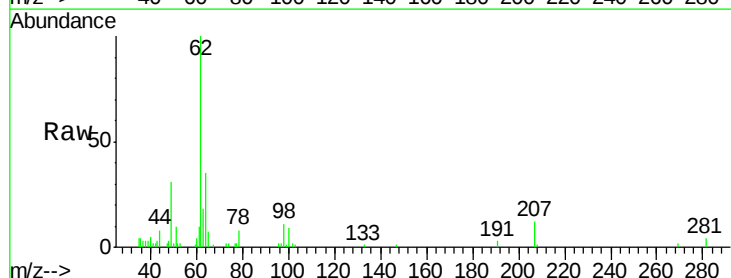
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 2.498 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.4





#43

Isopropyl Acetate

Concen: 2.312 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

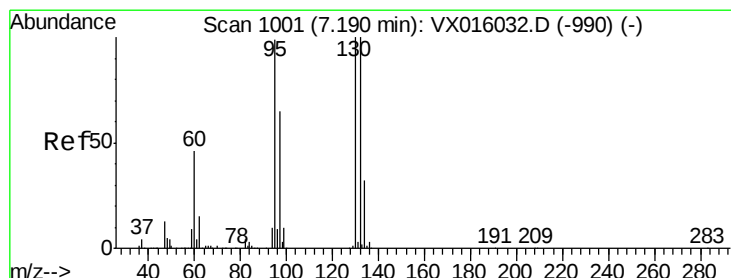
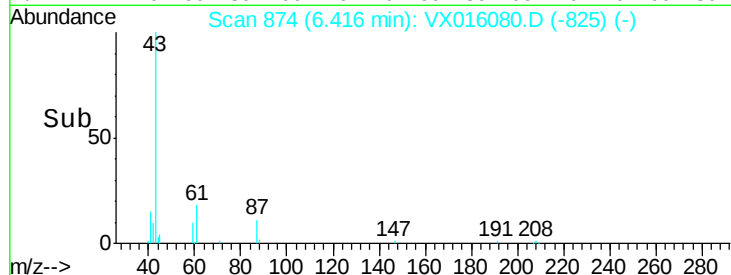
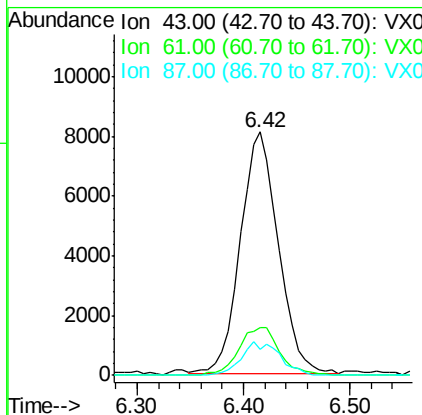
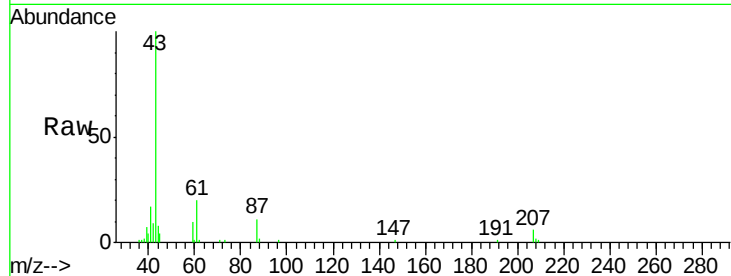
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	43	Resp:	20118
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.2	11.0	16.6

Manual Integrations
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5/8/2020 11:55:01 AM



#44

Trichloroethene

Concen: 2.458 ug/l

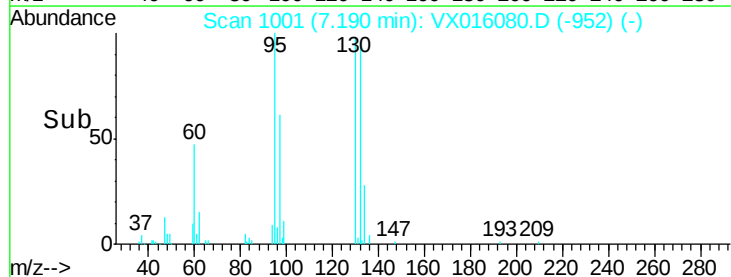
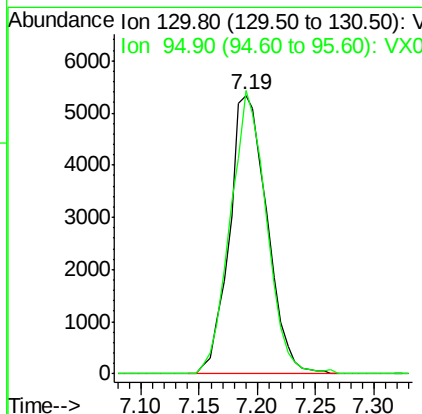
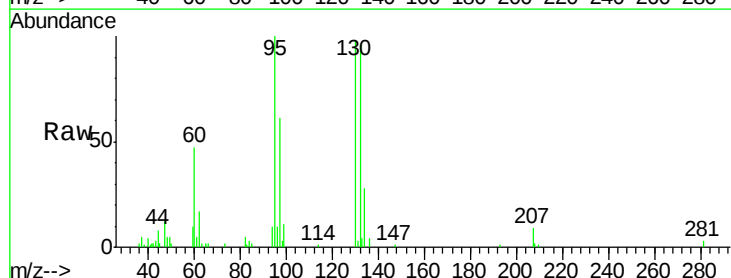
RT: 7.19 min Scan# 1001

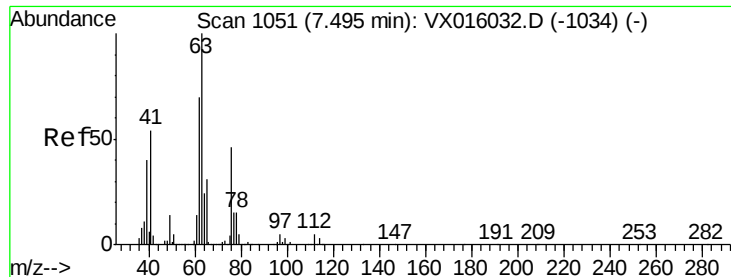
Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	130	Resp:	12023
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	197.4





#45

1,2-Dichloropropane

Concen: 2.416 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

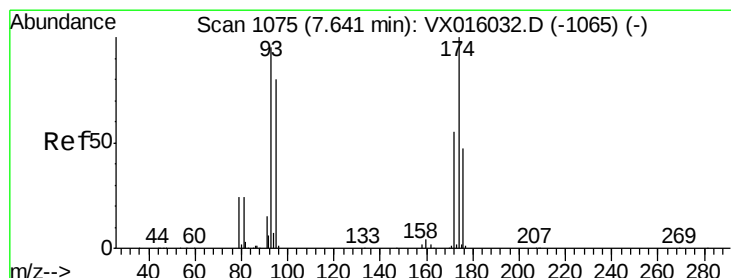
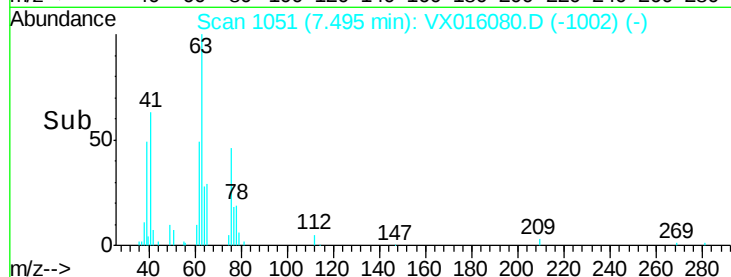
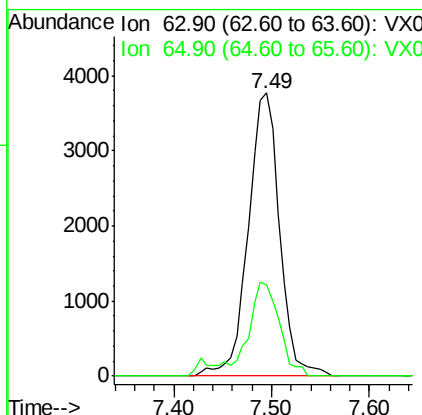
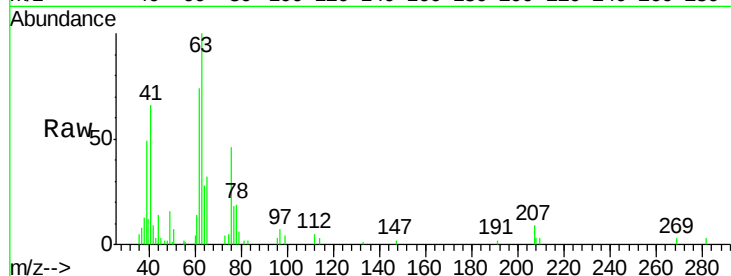
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.4	36.6

Manual Integrations
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5/8/2020 11:55:01 AM



#46

Dibromomethane

Concen: 2.324 ug/l

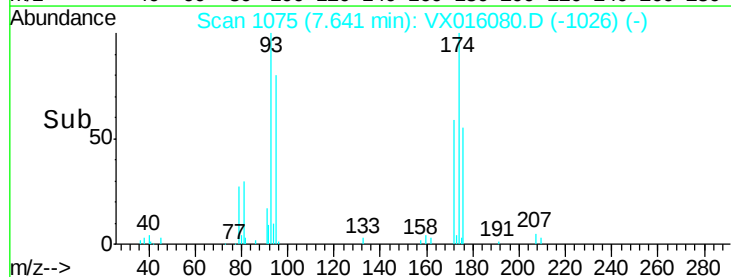
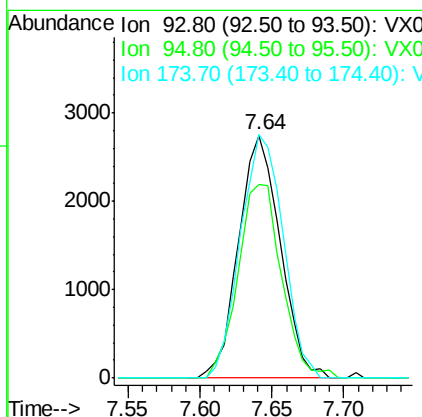
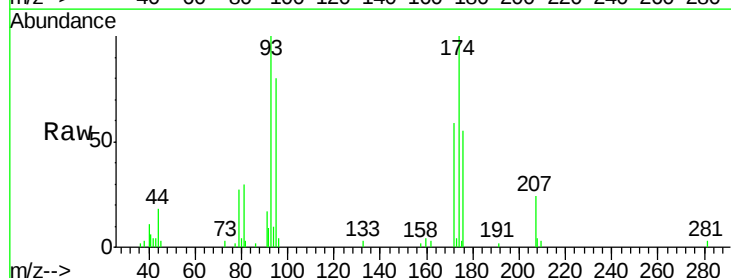
RT: 7.64 min Scan# 1075

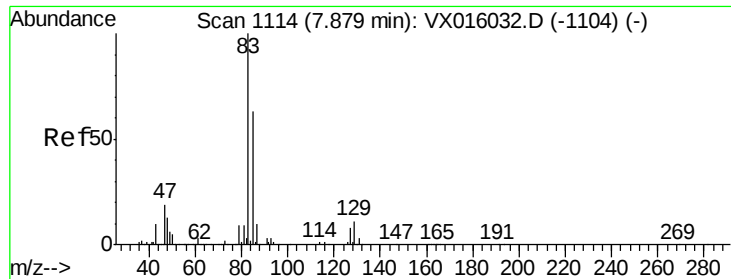
Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.6	100.0
174	103.1	84.2	126.4





#47

Bromodichloromethane

Concen: 2.273 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

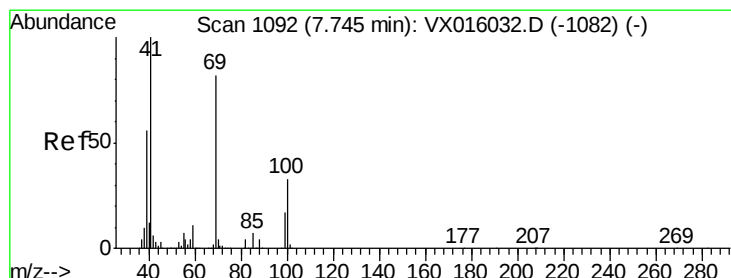
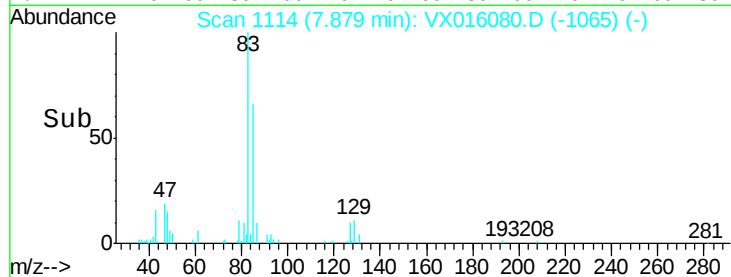
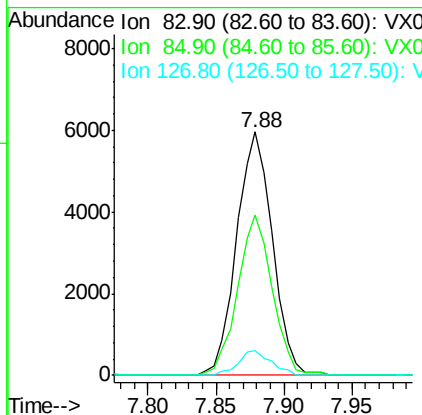
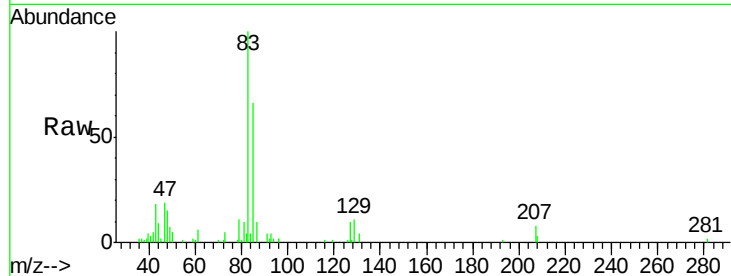
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	10961
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.5	75.7
127	10.0	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 2.232 ug/l

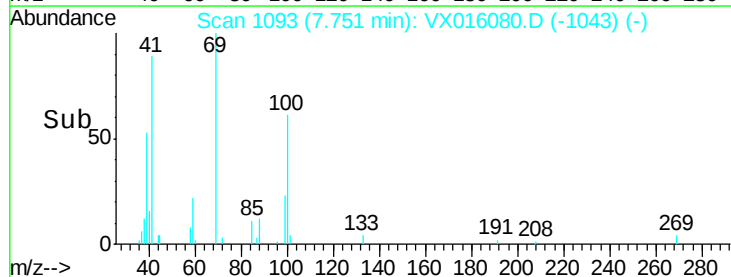
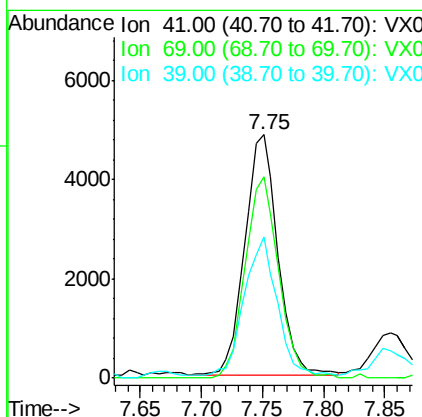
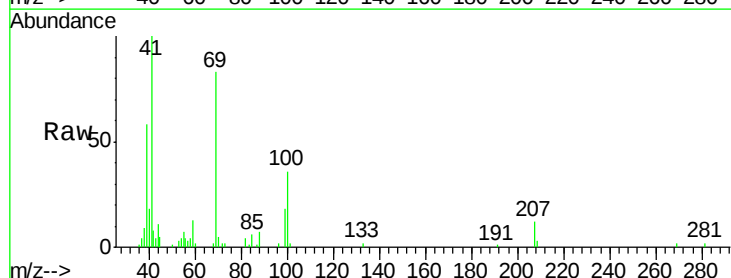
RT: 7.75 min Scan# 1093

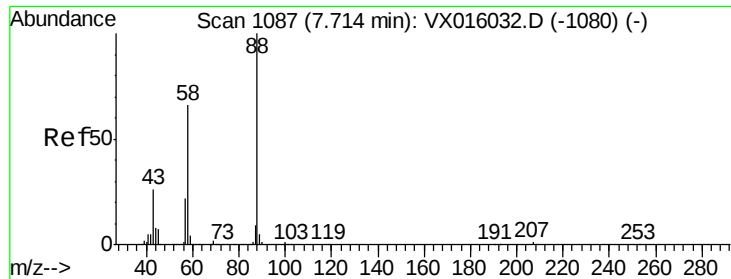
Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	41	Resp:	9204
Ion Ratio	Lower	Upper	
41	100		
69	84.3	67.8	101.6
39	58.6	44.6	67.0





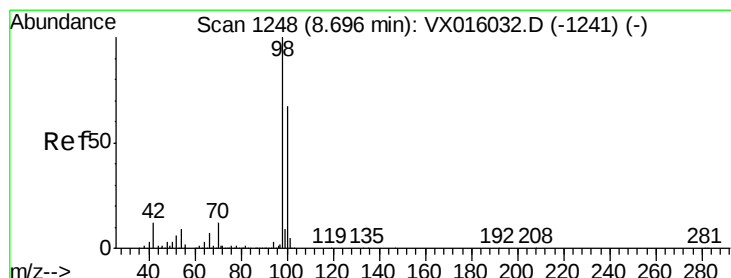
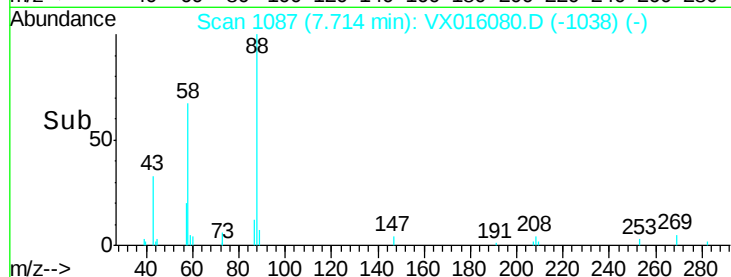
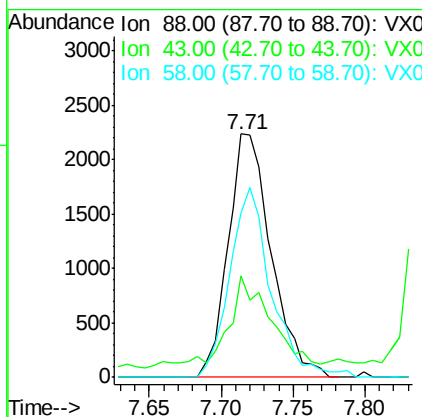
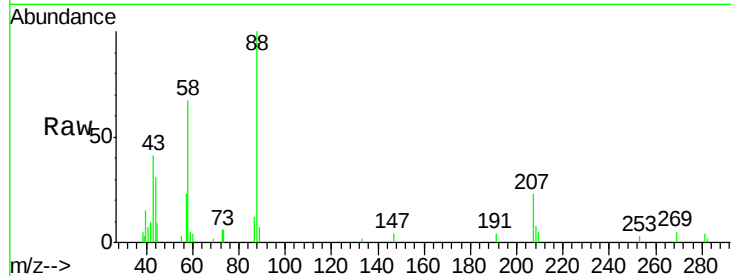
#49
1,4-Dioxane
Concen: 47.210 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.4	25.3	37.9#
58	74.7	55.9	83.9

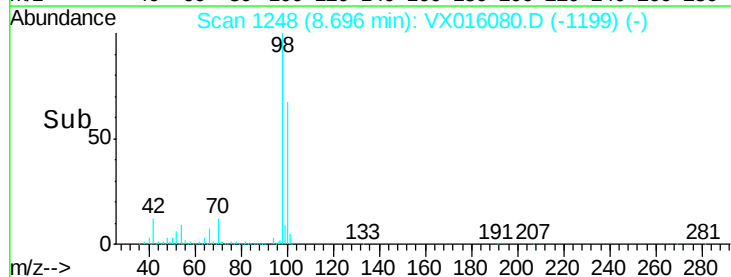
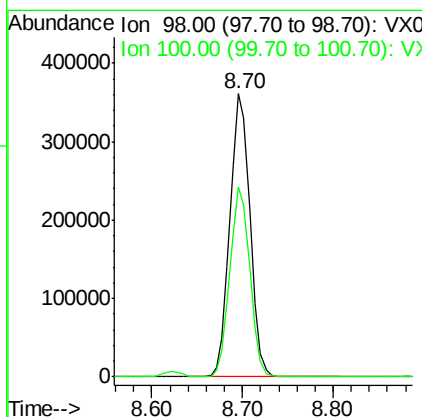
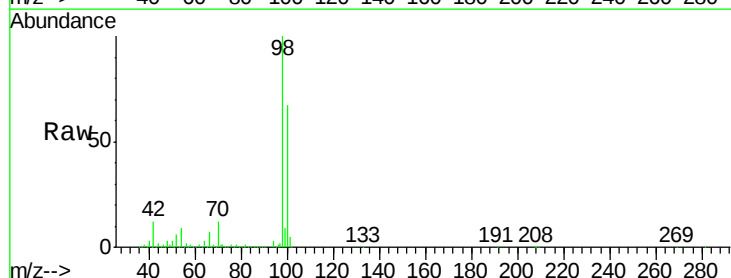
Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:55:01 AM



#50
Toluene-d8
Concen: 47.577 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 11.341 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 60393

Ion Ratio Lower Upper

43 100

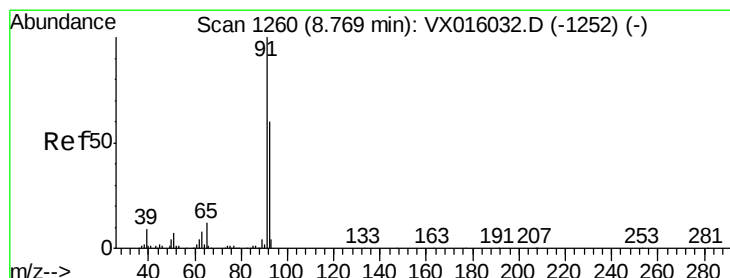
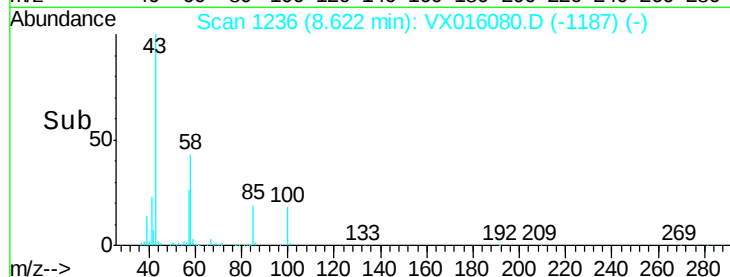
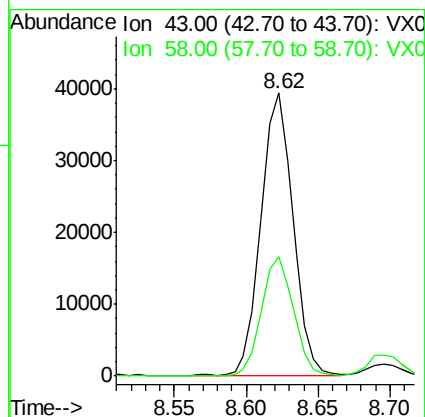
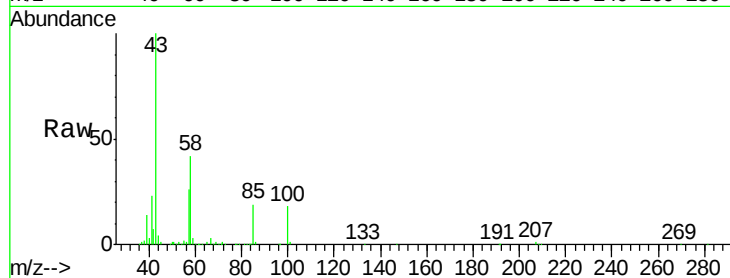
58 42.3 33.0 49.4

Manual Integrations

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5/8/2020 11:55:01 AM



#52

Toluene

Concen: 2.428 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016080.D

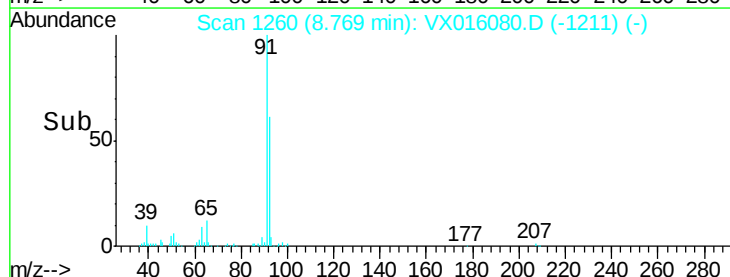
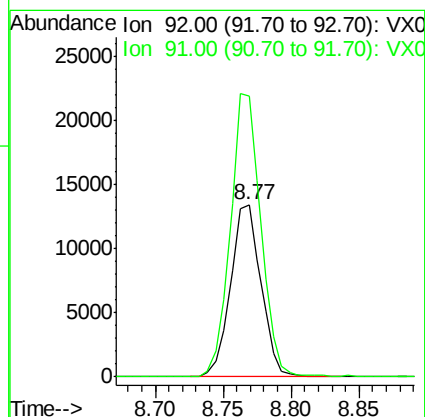
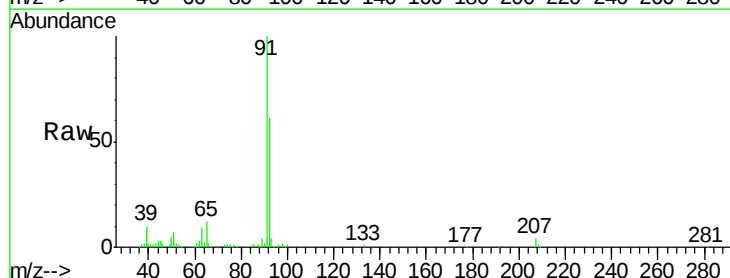
Acq: 06 May 2020 13:50

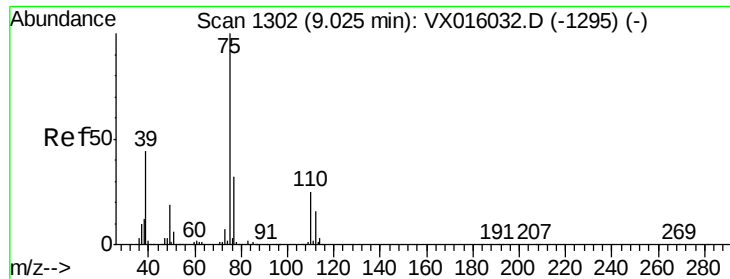
Tgt Ion: 92 Resp: 20841

Ion Ratio Lower Upper

92 100

91 164.9 134.5 201.7





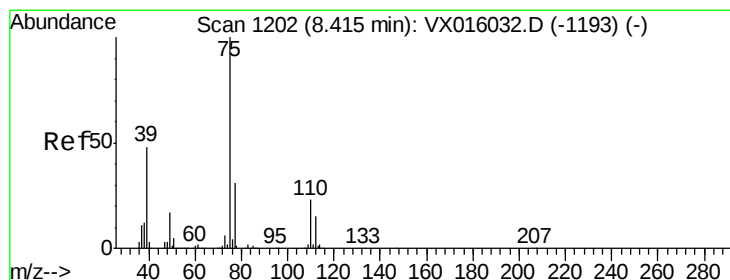
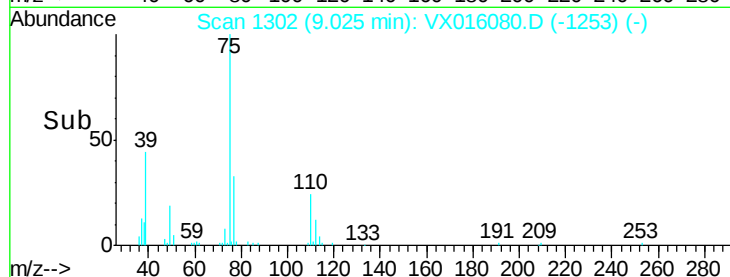
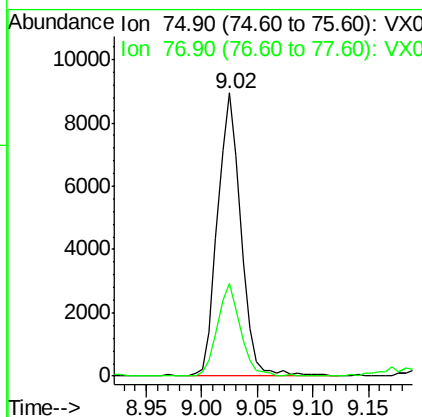
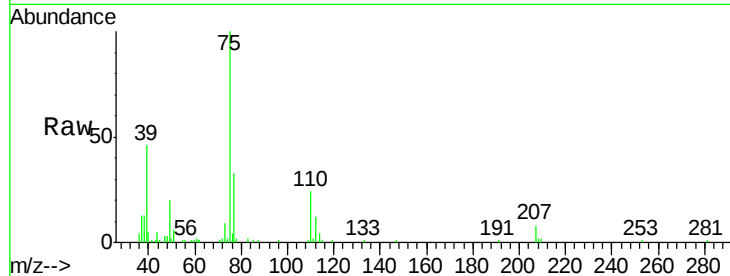
#53
t-1,3-Dichloropropene
Concen: 2.277 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 75 Resp: 13092
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5

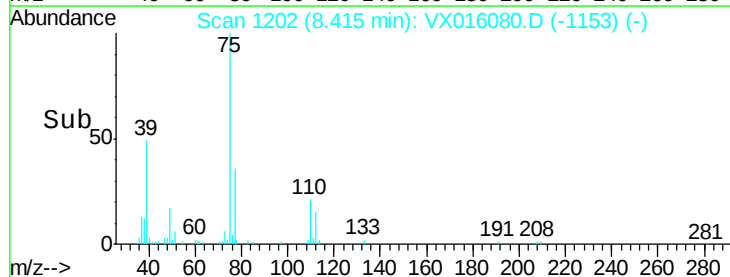
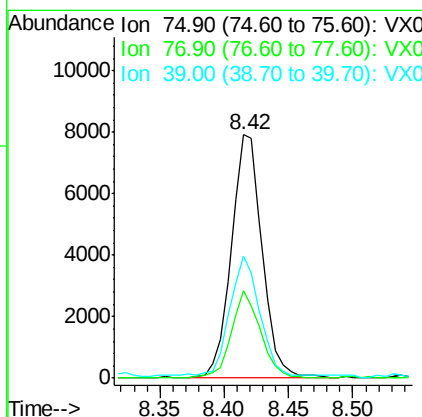
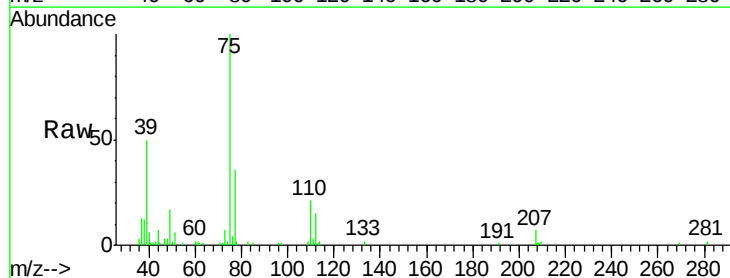
Manual Integrations
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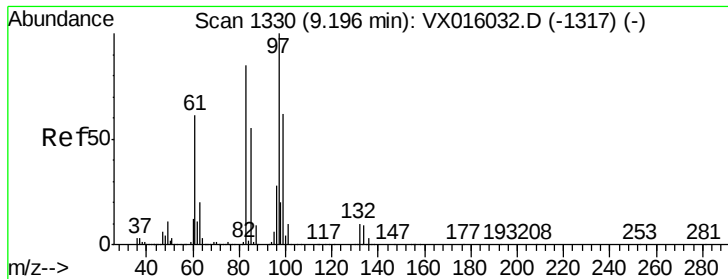
MMDadoda
5/8/2020 11:55:01 AM



#54
cis-1,3-Dichloropropene
Concen: 2.202 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion: 75 Resp: 13224
Ion Ratio Lower Upper
75 100
77 35.8 24.7 37.1
39 48.7 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 2.338 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

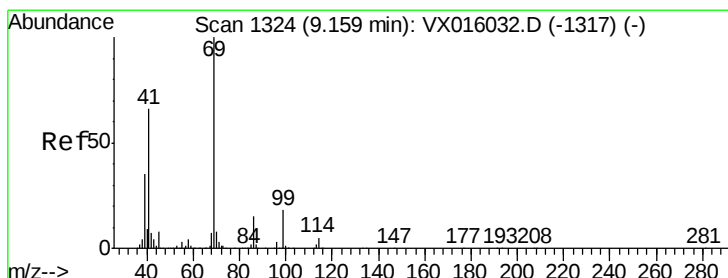
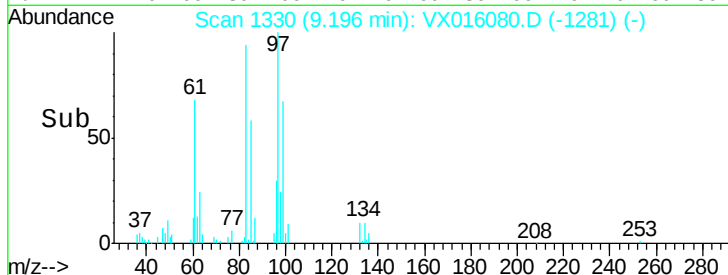
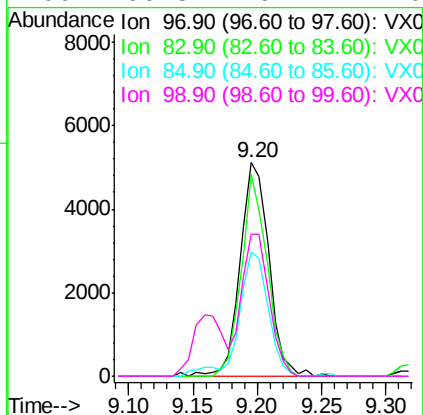
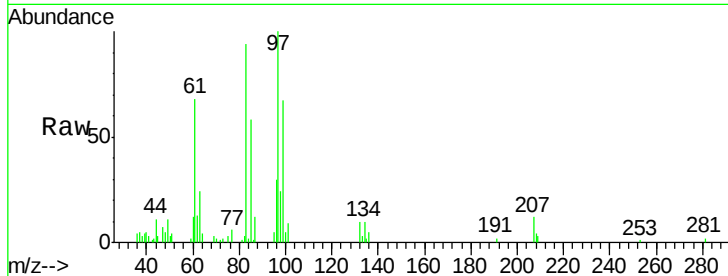
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	97	Resp:	7894
Ion	Ratio	Lower	Upper
97	100		
83	94.5	67.8	101.8
85	58.0	43.8	65.8
99	66.8	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 2.185 ug/l

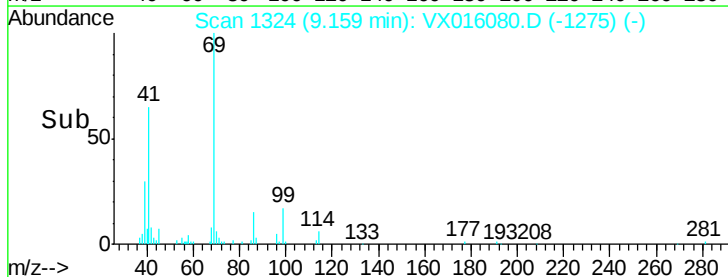
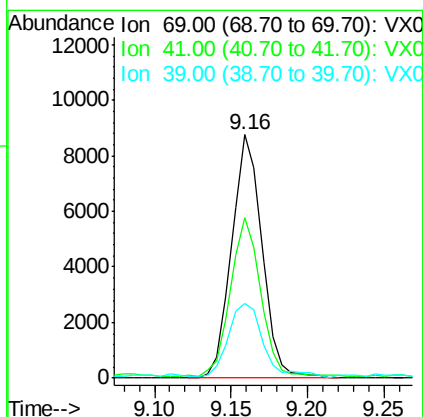
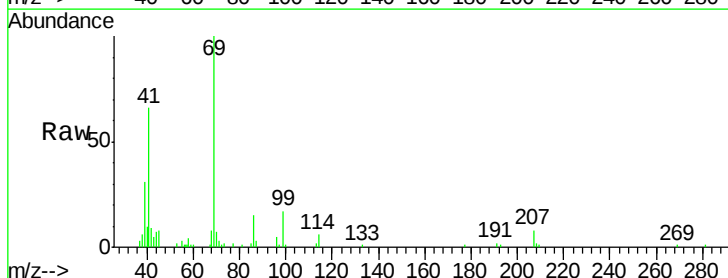
RT: 9.16 min Scan# 1324

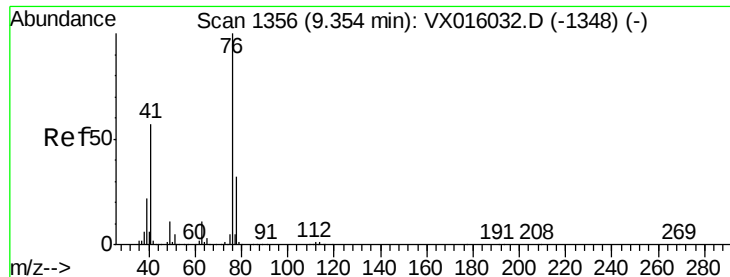
Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	69	Resp:	12044
Ion	Ratio	Lower	Upper
69	100		
41	65.4	52.2	78.4
39	36.0	28.2	42.4





#57

1,3-Dichloropropane

Concen: 2.381 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 76 Resp: 14031

Ion Ratio Lower Upper

76 100

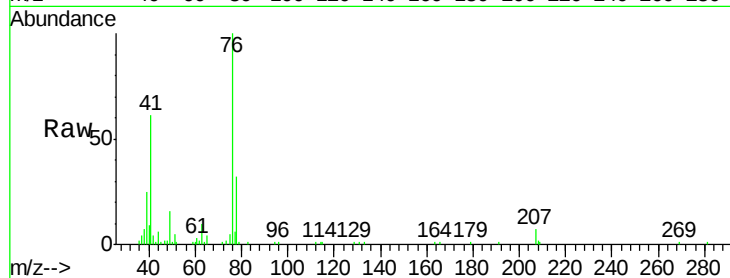
78 34.2 25.9 38.9

Manual Integrations

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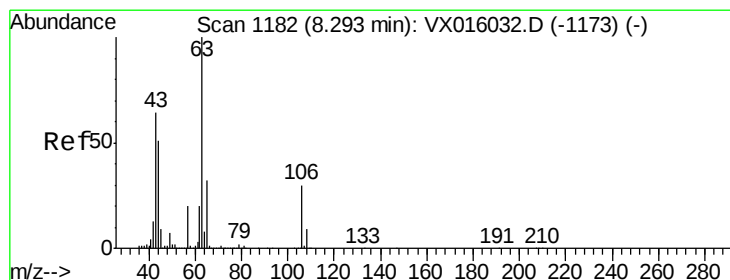
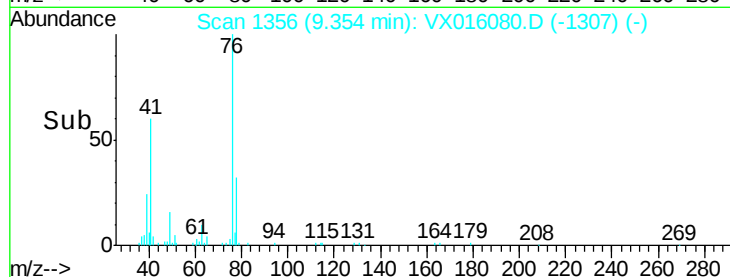
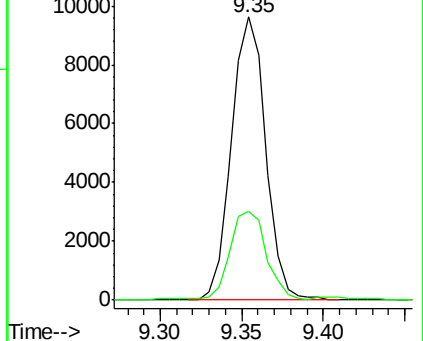
MMDadoda

5/8/2020 11:55:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 10.850 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016080.D

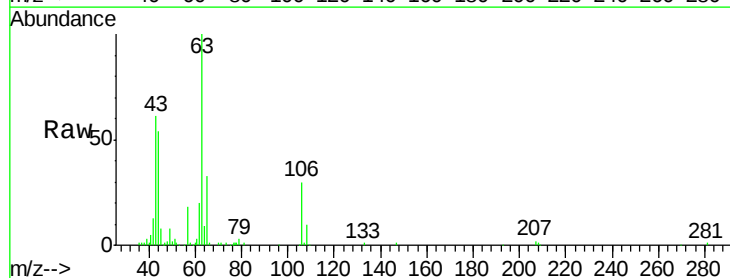
Acq: 06 May 2020 13:50

Tgt Ion: 63 Resp: 31839

Ion Ratio Lower Upper

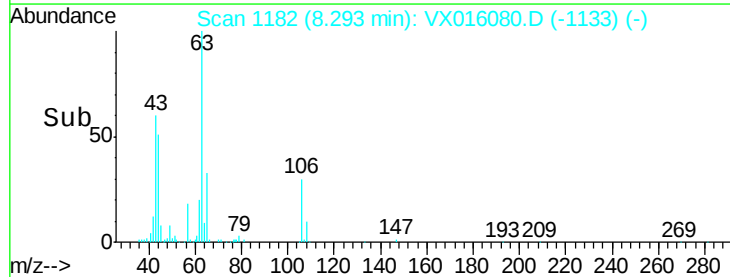
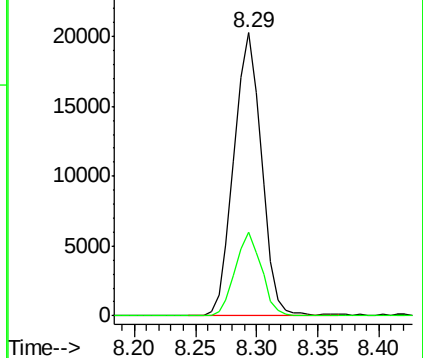
63 100

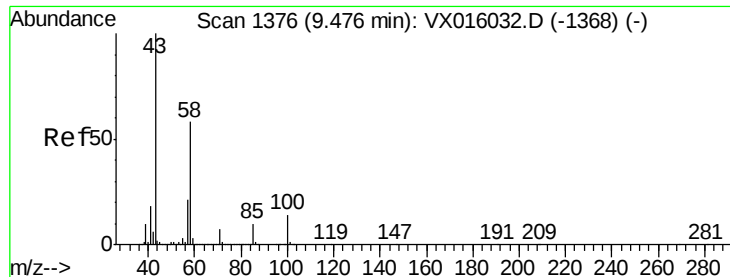
106 28.1 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





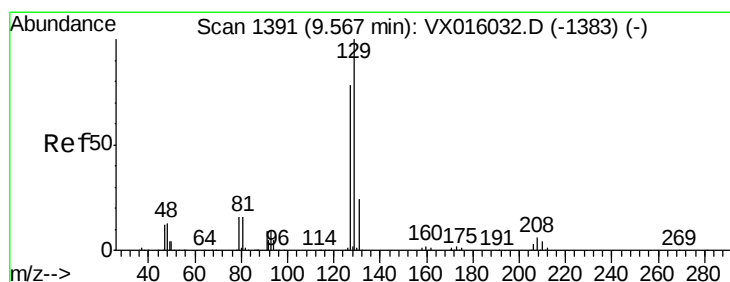
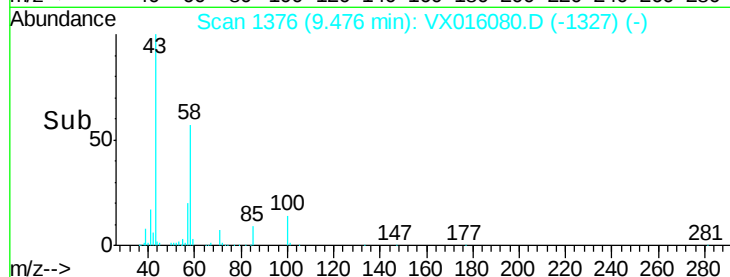
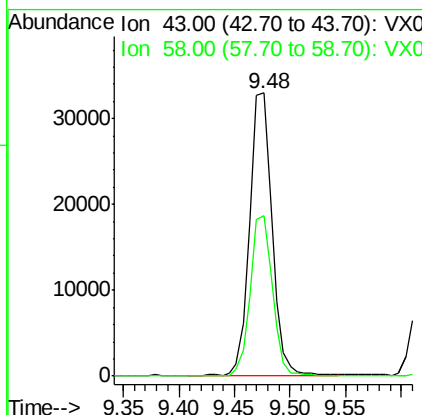
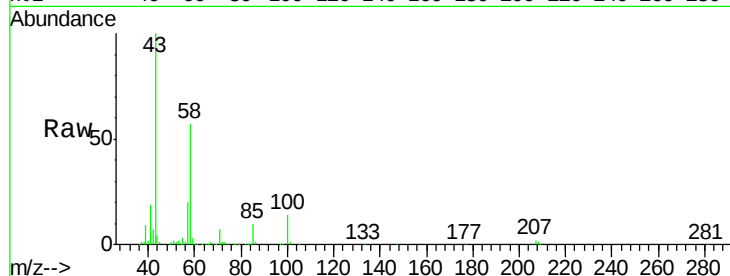
#59
2-Hexanone
Concen: 11.039 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.6	85.9

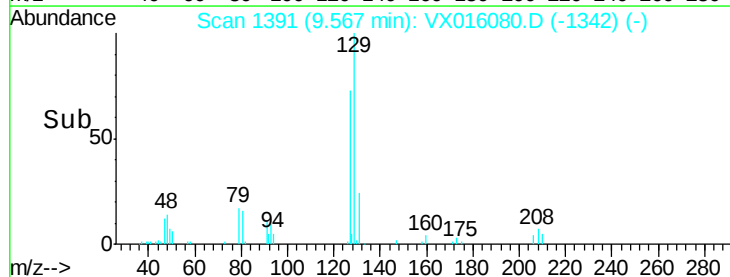
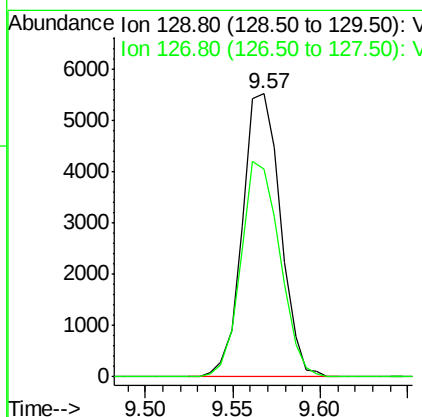
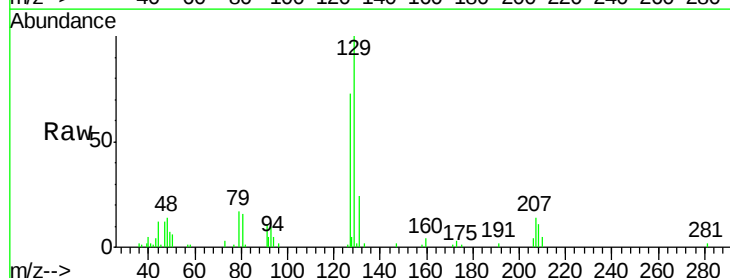
Manual Integrations
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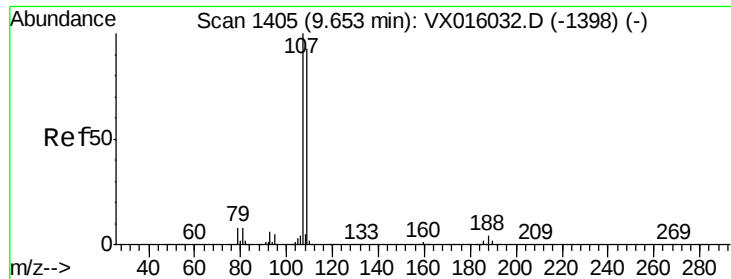
MMDadoda
5/8/2020 11:55:01 AM



#60
Dibromochloromethane
Concen: 2.251 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2





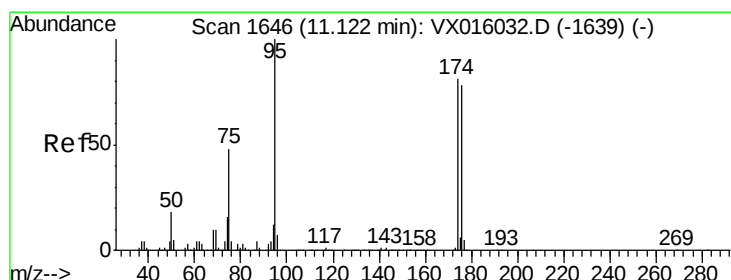
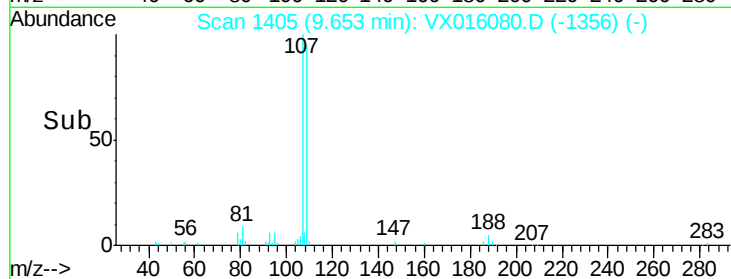
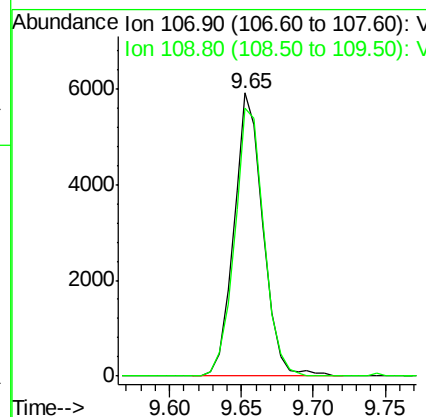
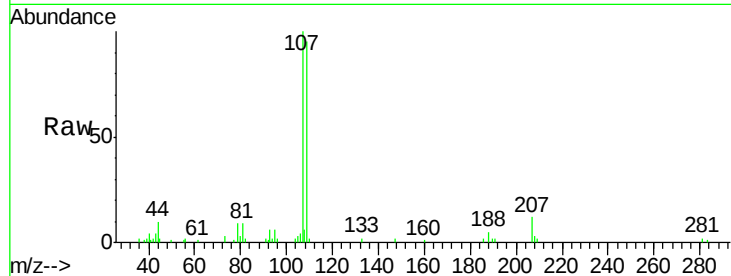
#61
 1,2-Dibromoethane
 Concen: 2.272 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	8311		
109	95.6	74.9	112.3	

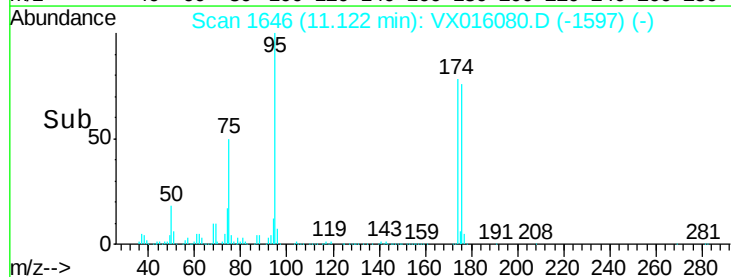
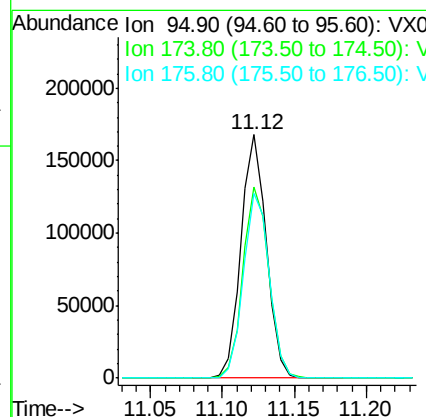
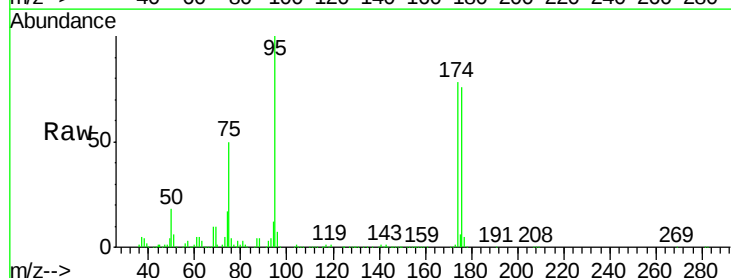
Manual Integrations
 APPROVED

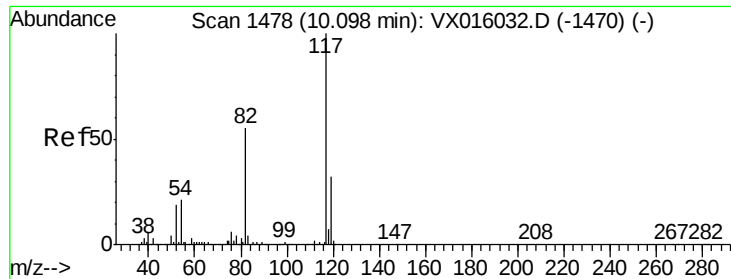
MMDadoda
 5/8/2020 11:55:01 AM



#62
 4-Bromofluorobenzene
 Concen: 46.436 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	206115		
174	79.8	0.0	159.4	
176	77.4	0.0	157.6	





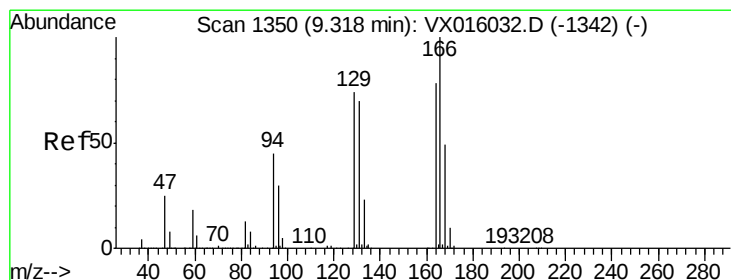
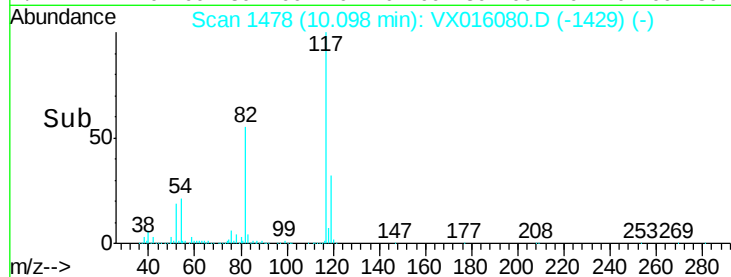
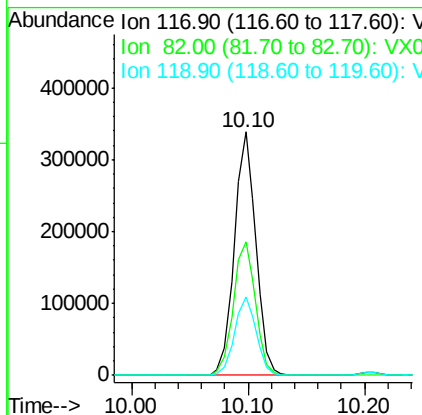
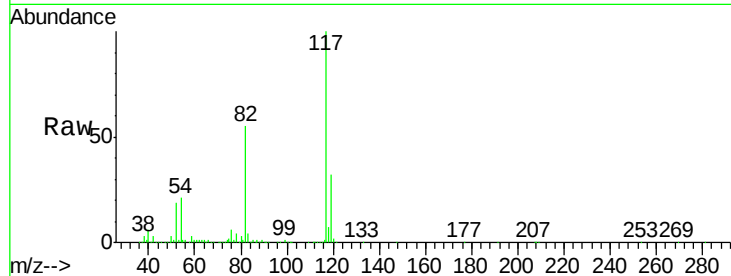
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	435104		
82	54.8		44.4	66.6
119	32.2		25.5	38.3

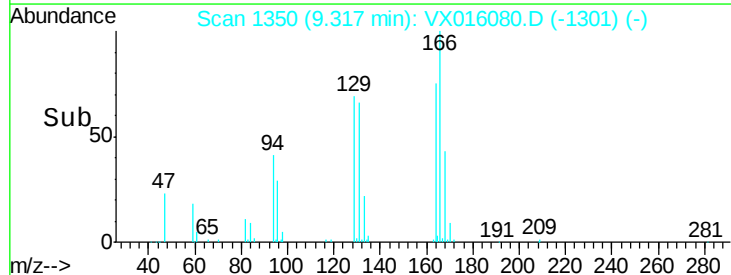
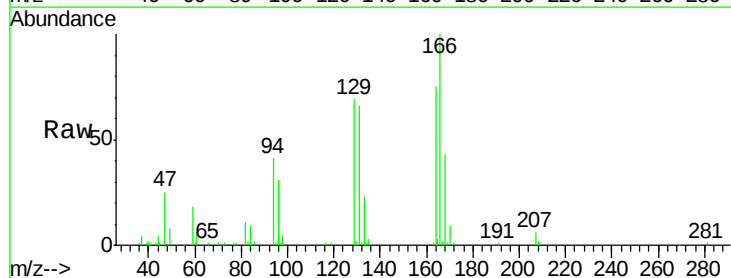
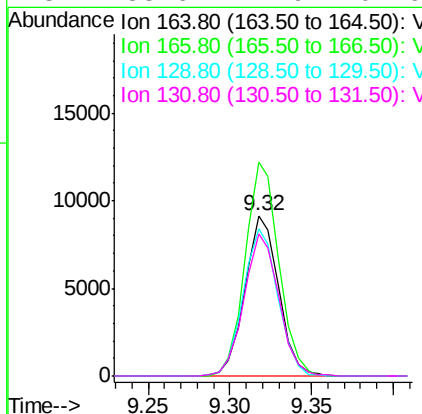
Manual Integrations
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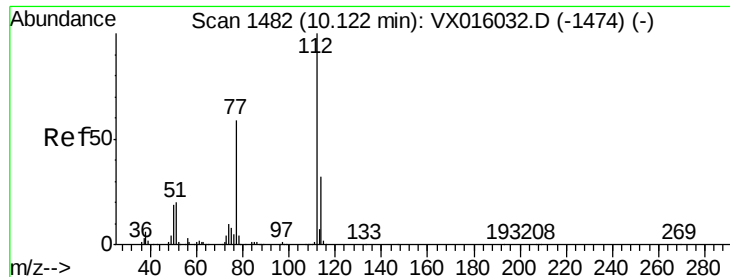
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#64
Tetrachloroethene
Concen: 2.465 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13169		
166	133.3		102.9	154.3
129	91.8		76.1	114.1
131	88.6		71.9	107.9





#65

Chlorobenzene

Concen: 2.375 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:112 Resp: 21636

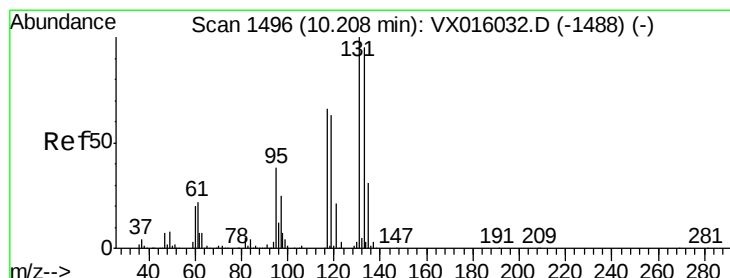
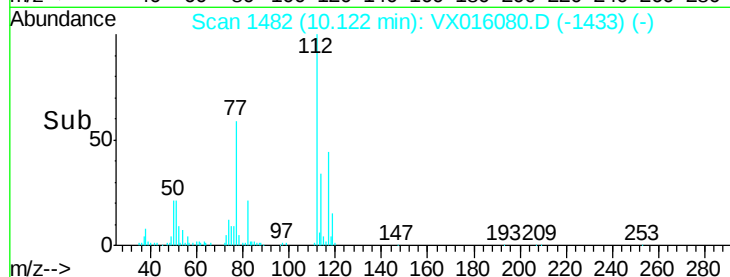
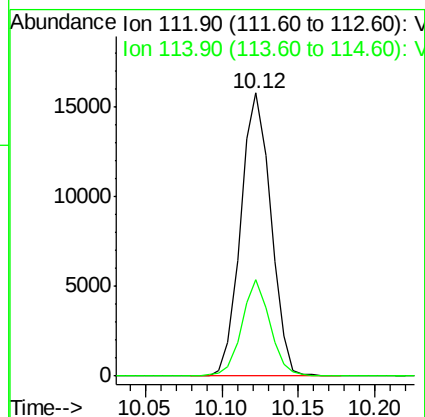
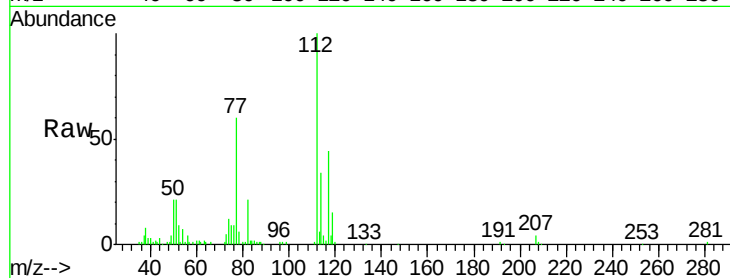
Ion Ratio Lower Upper

112 100

114 33.9 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 2.335 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

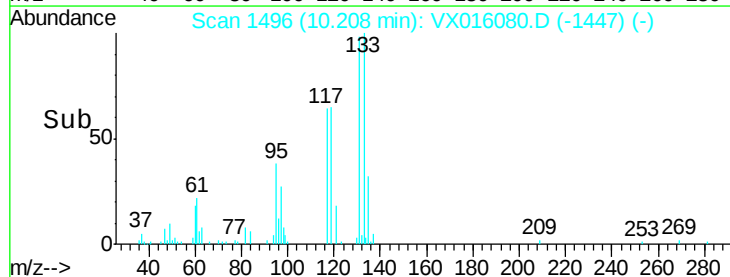
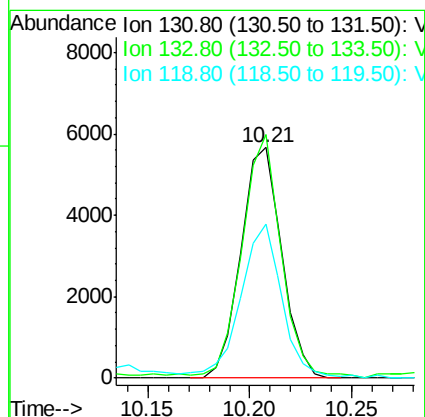
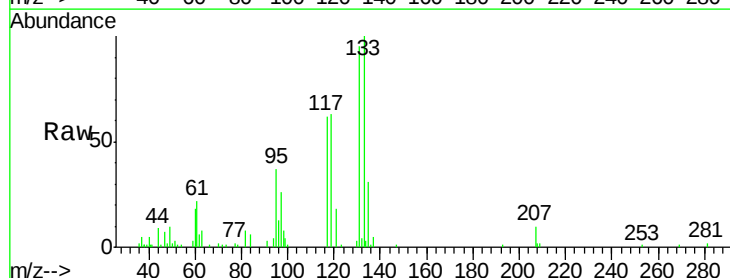
Tgt Ion:131 Resp: 7862

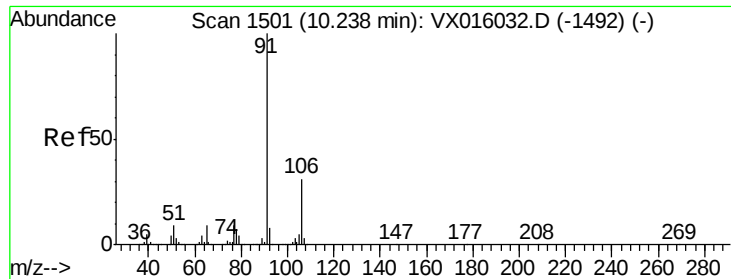
Ion Ratio Lower Upper

131 100

133 102.3 48.3 144.8

119 68.4 32.3 96.9





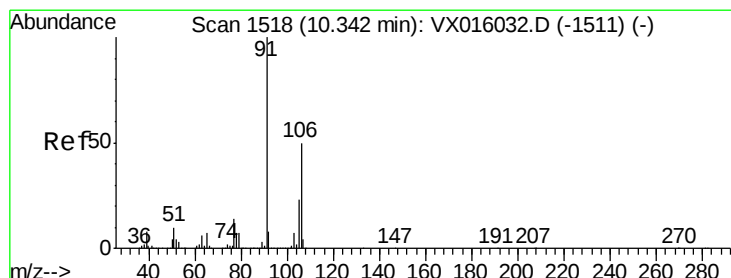
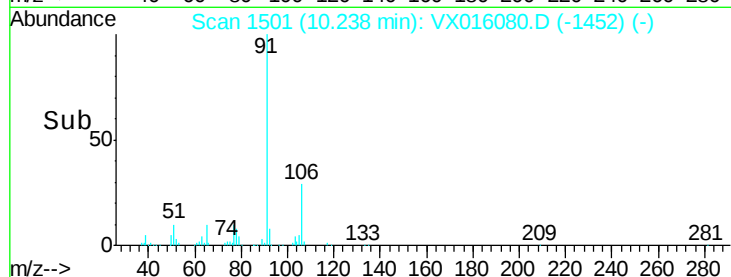
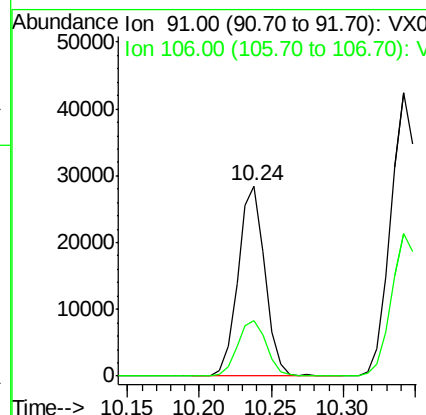
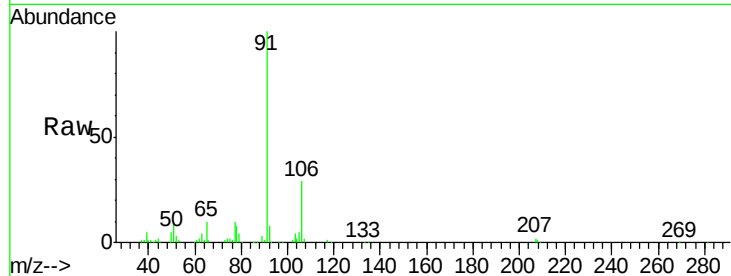
#67
Ethyl Benzene
Concen: 2.281 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion: 91 Resp: 37081
Ion Ratio Lower Upper
91 100
106 29.4 25.1 37.7

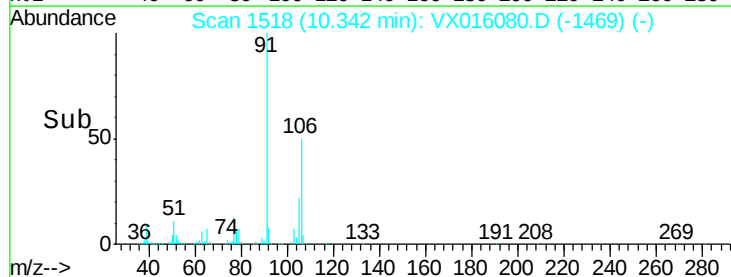
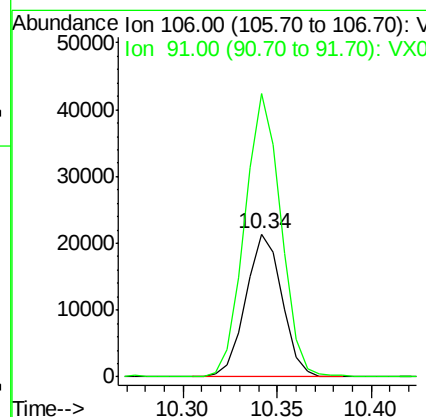
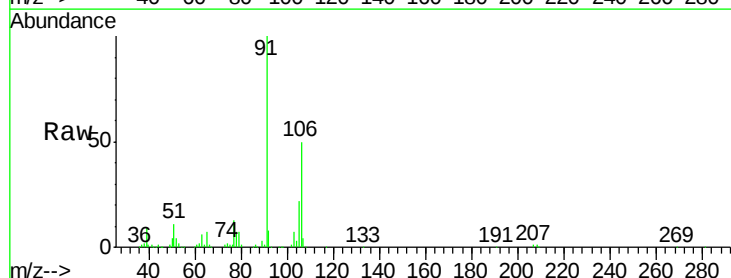
Manual Integrations
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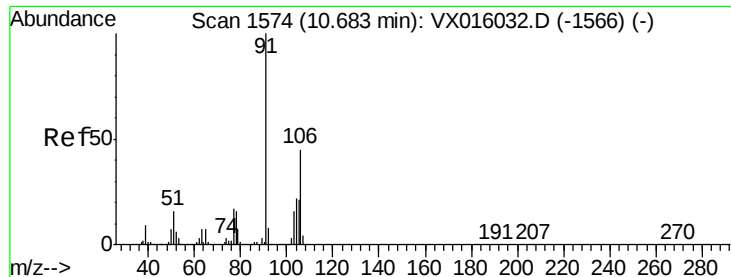
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#68
m/p-Xylenes
Concen: 4.679 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion: 106 Resp: 28495
Ion Ratio Lower Upper
106 100
91 199.4 161.7 242.5





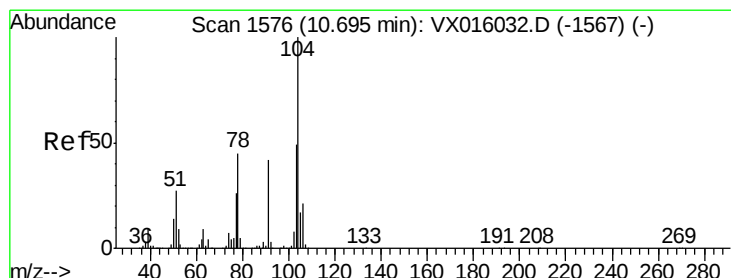
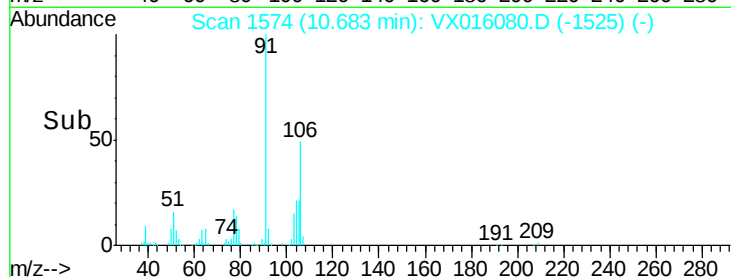
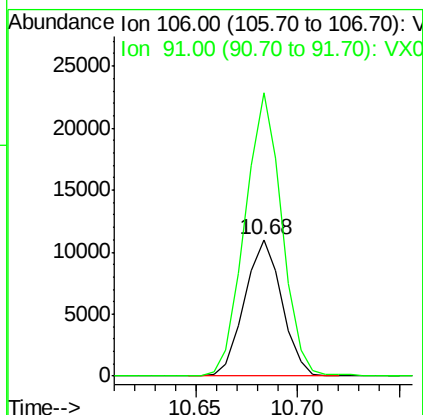
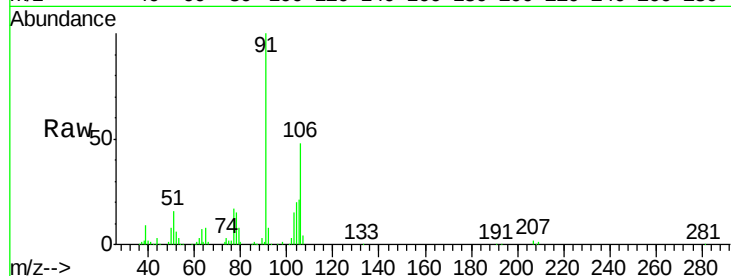
#69
o-Xylene
Concen: 2.391 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	205.9	107.5	322.6

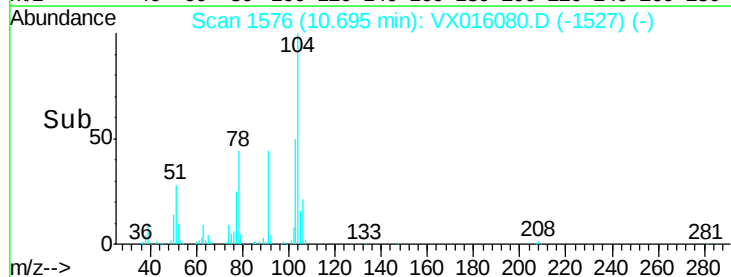
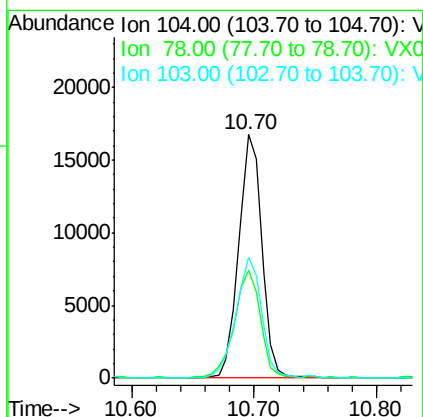
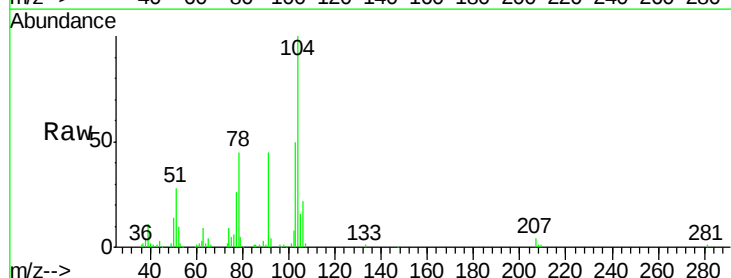
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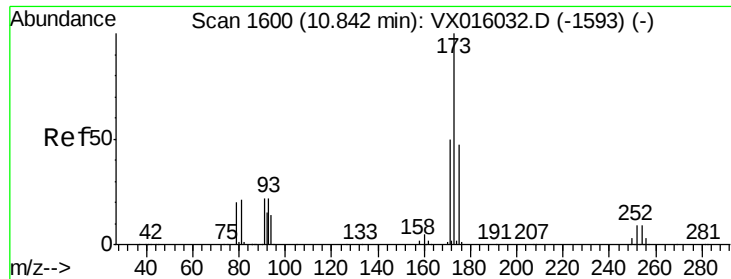
MMDadoda
5/8/2020 11:55:01 AM



#70
Styrene
Concen: 2.204 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.3	40.2	60.2
103	103	54.7	43.0	64.6





#71

Bromoform

Concen: 2.044 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

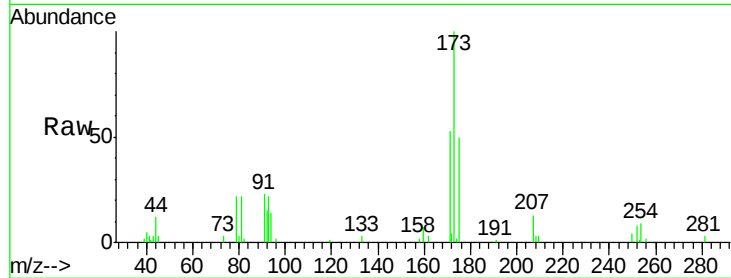
ClientSampleId :

MDL-WATER-03-QT2-2020DL

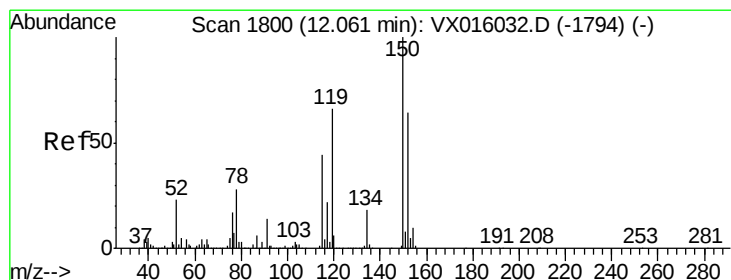
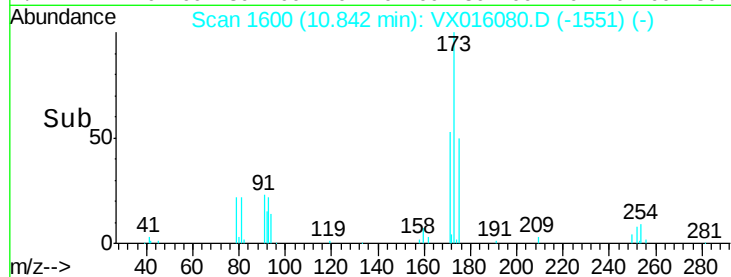
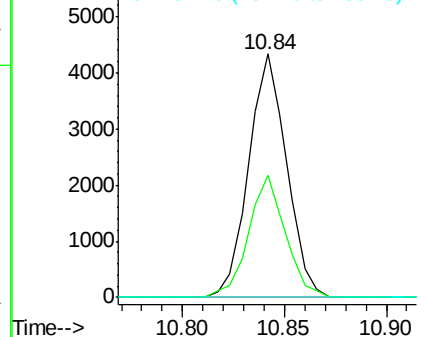
Tot Ion:	173	Resp:	5609
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.0	72.0
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

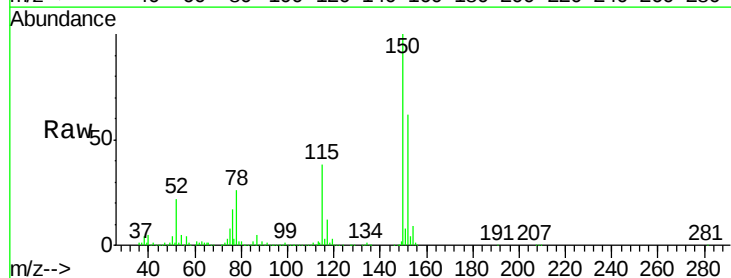
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

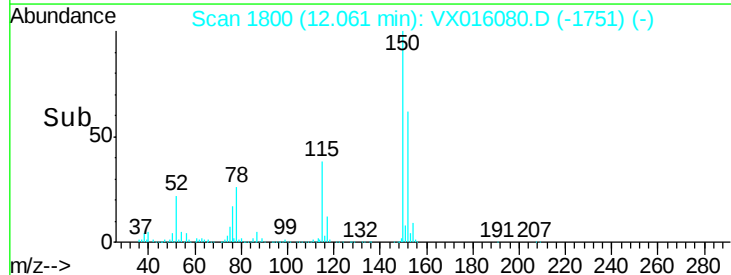
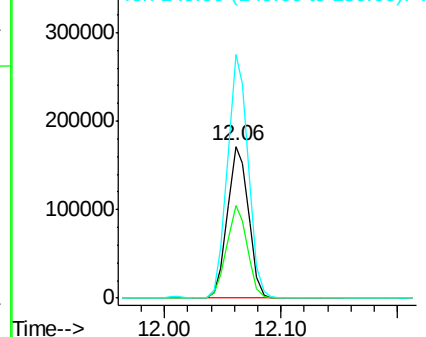
Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	152	Resp:	213553
Ion Ratio	Lower	Upper	
152	100		
115	59.5	41.3	124.1
150	157.8	0.0	352.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.266 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 105 Resp: 35203

Ion Ratio Lower Upper

105 100

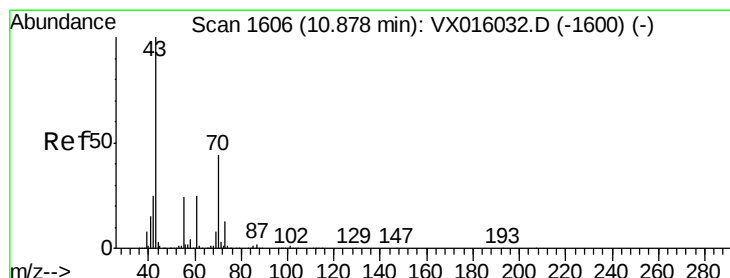
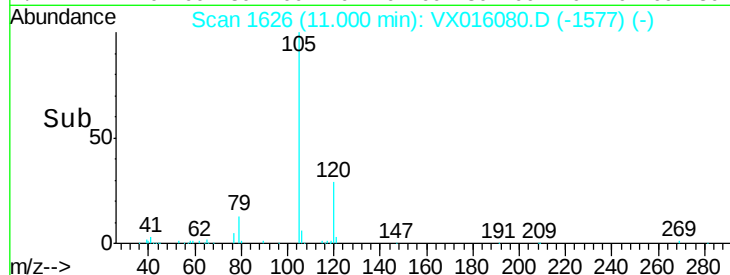
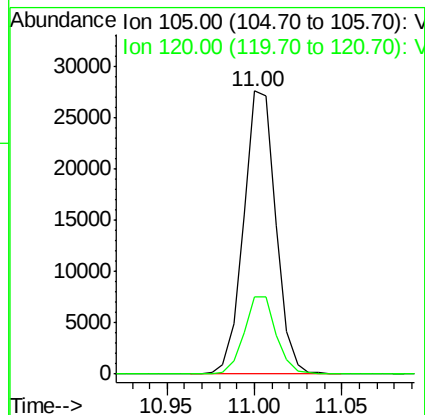
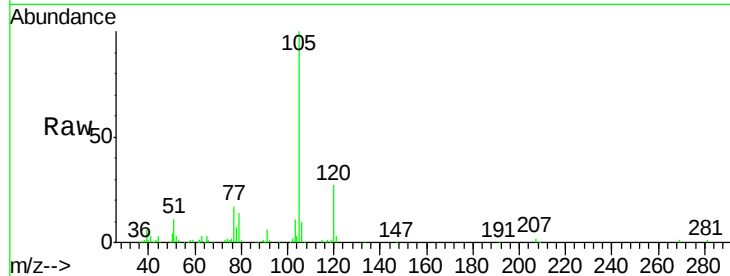
120 27.5 13.4 40.2

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#74

N-ethyl acetate

Concen: 2.297 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion: 43 Resp: 16641

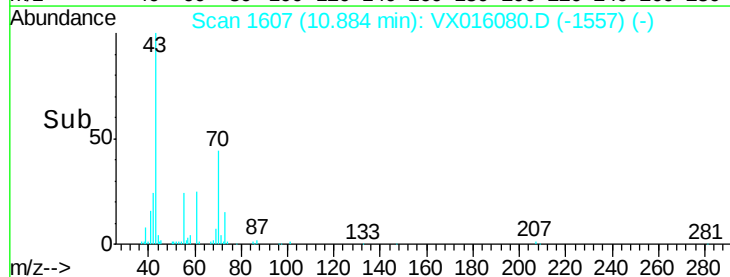
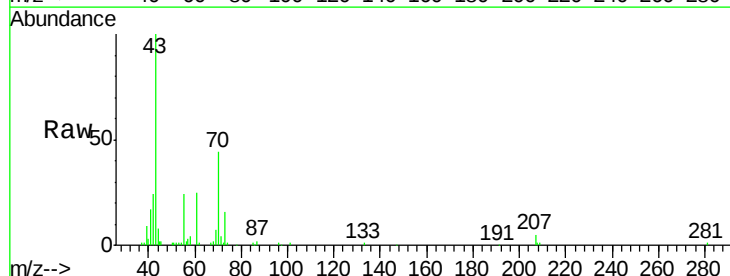
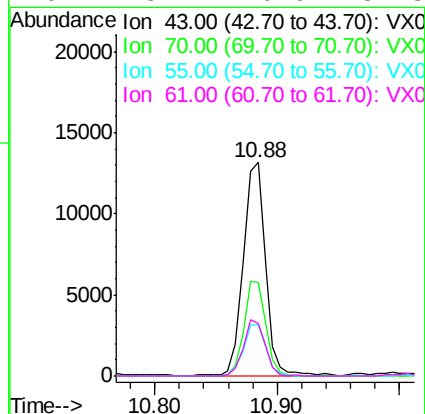
Ion Ratio Lower Upper

43 100

70 42.6 36.5 54.7

55 24.5 19.7 29.5

61 25.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 2.210 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

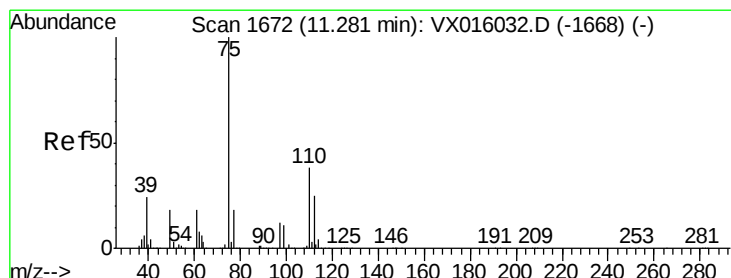
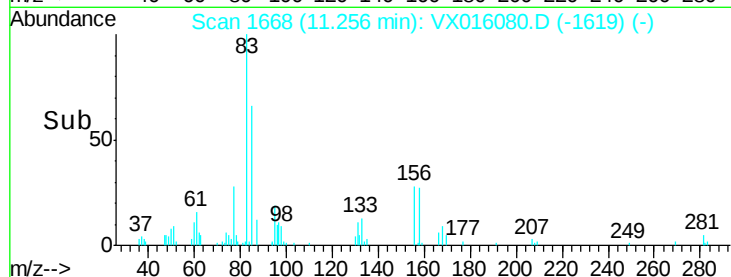
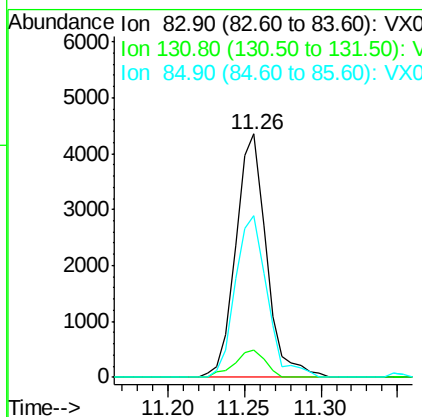
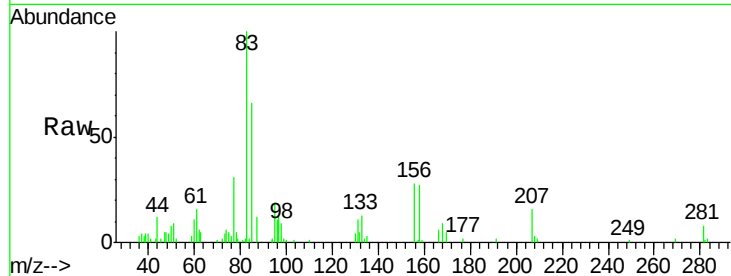
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	83	Resp:	6053
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.1	15.4
85	68.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.404 ug/l m

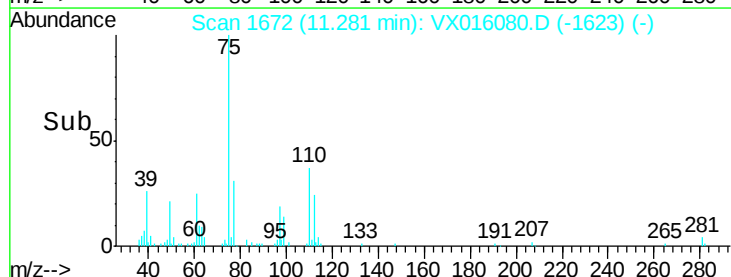
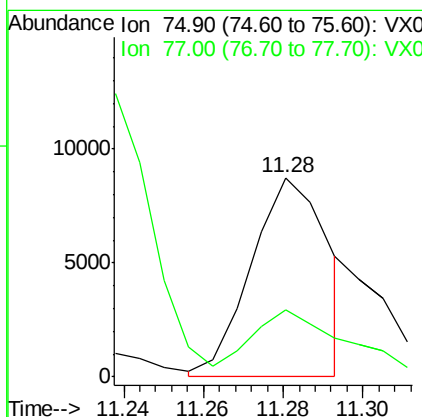
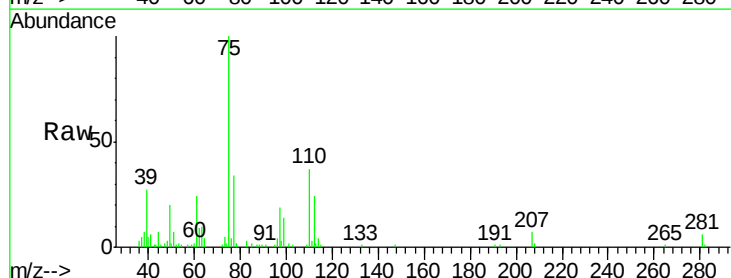
RT: 11.28 min Scan# 1672

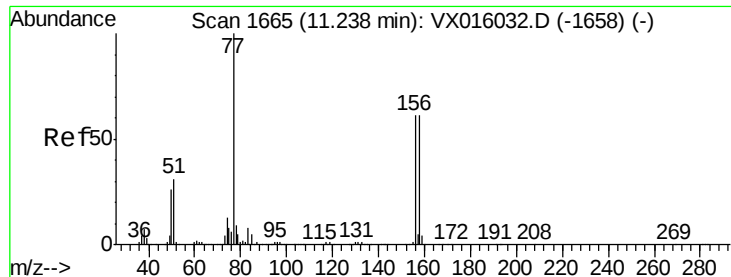
Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	75	Resp:	11648
Ion	Ratio	Lower	Upper
75	100		
77	42.9	21.2	63.6





#77

Bromobenzene

Concen: 2.386 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

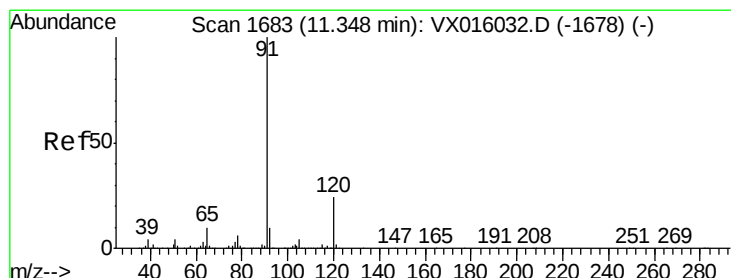
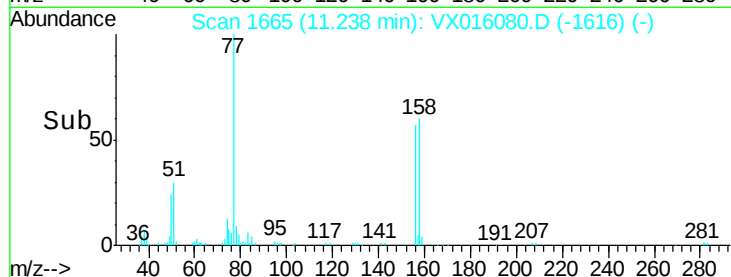
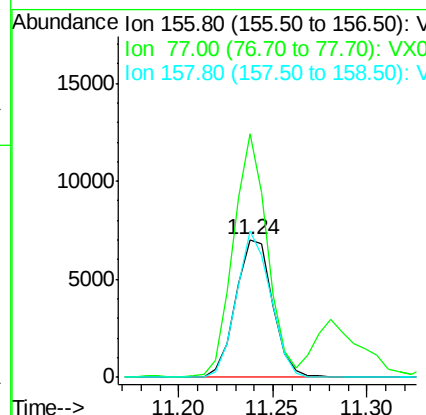
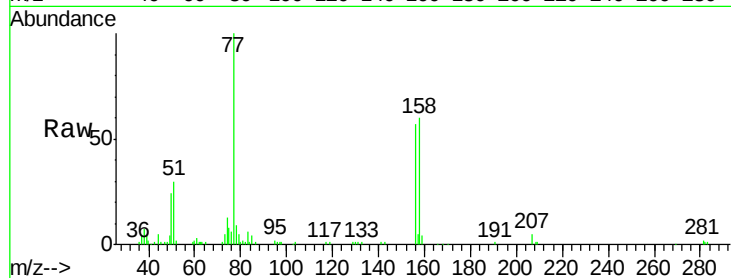
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	156	Resp:	9567
Ion Ratio	Lower	Upper	
156	100		
77	162.5	80.1	240.3
158	97.2	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 2.288 ug/l

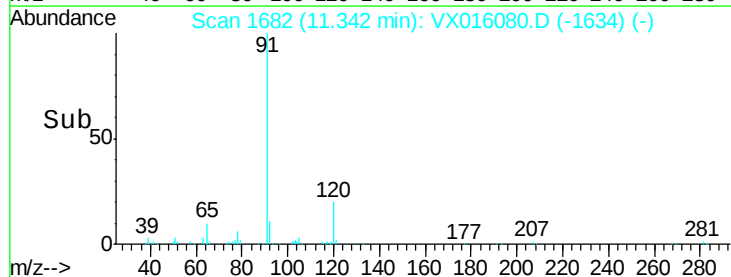
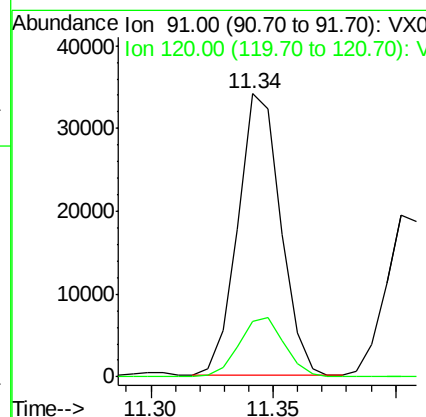
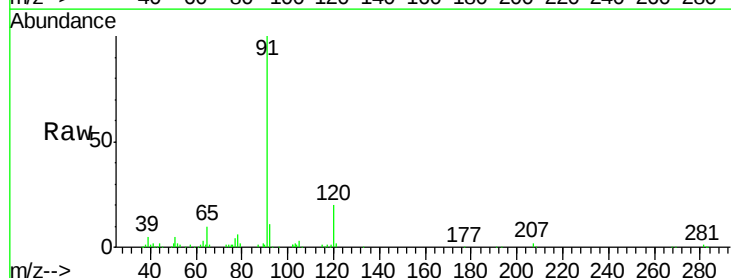
RT: 11.34 min Scan# 1682

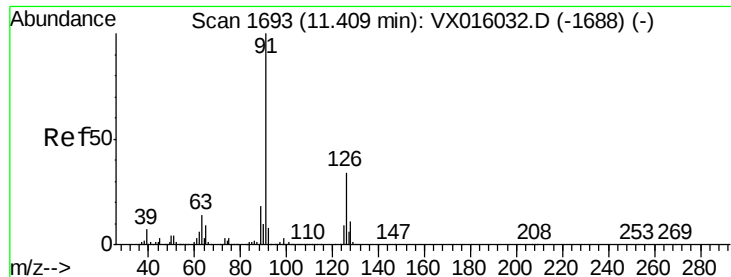
Delta R.T. -0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	91	Resp:	41342
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 2.340 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion: 91 Resp: 24960

Ion Ratio Lower Upper

91 100

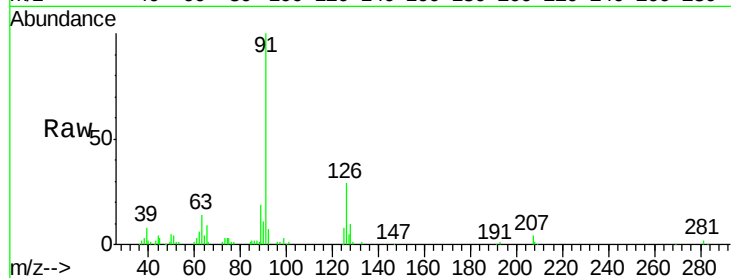
126 32.8 16.9 50.6

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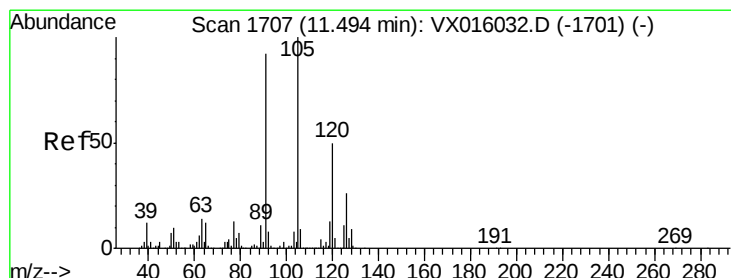
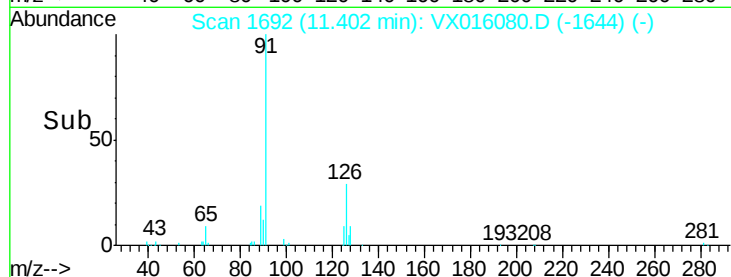
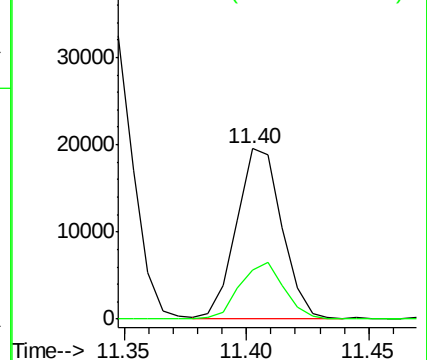
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX016080.D (-1644) (-)

Ion 125.90 (125.60 to 126.60): VX016080.D (-1644) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.238 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016080.D

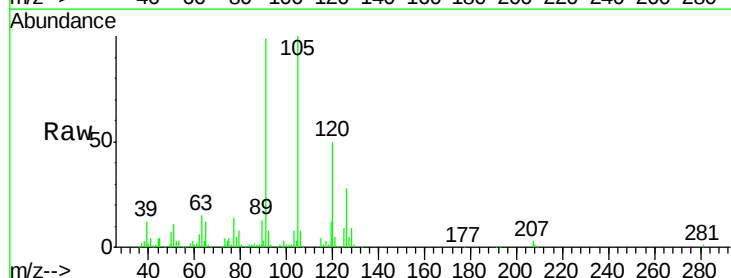
Acq: 06 May 2020 13:50

Tgt Ion: 105 Resp: 29348

Ion Ratio Lower Upper

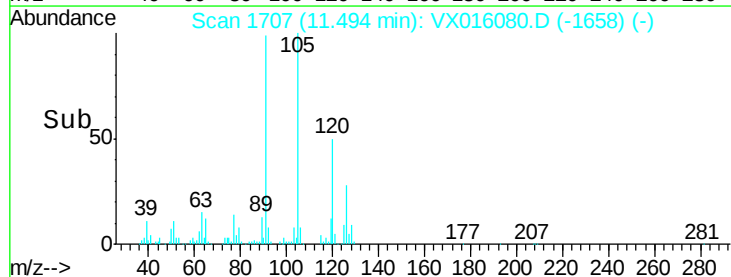
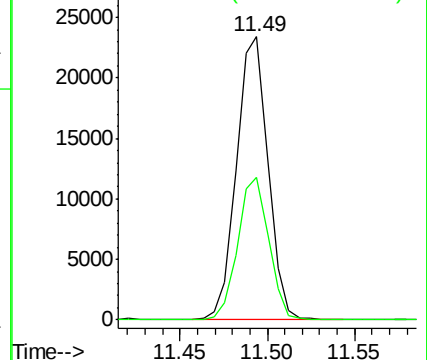
105 100

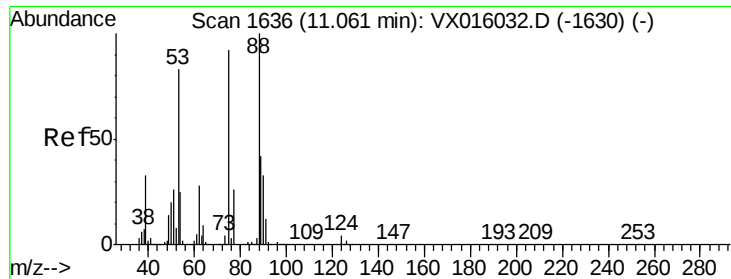
120 49.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX016080.D (-1658) (-)

Ion 120.00 (119.70 to 120.70): VX016080.D (-1658) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 2.028 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

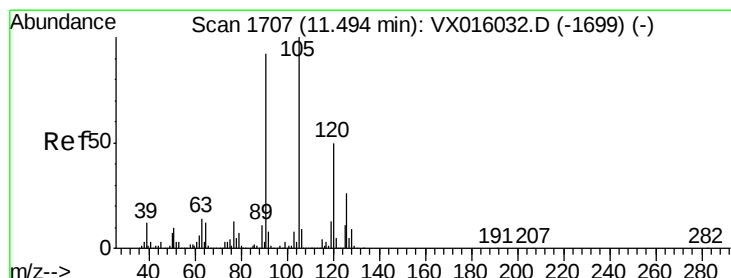
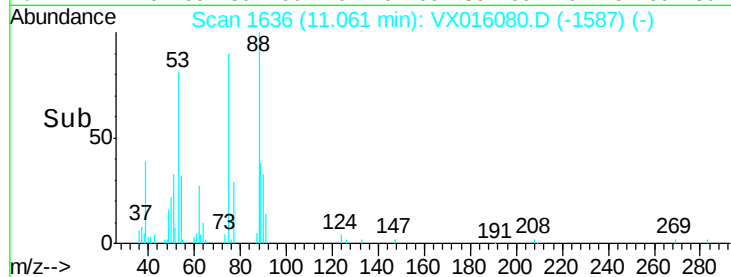
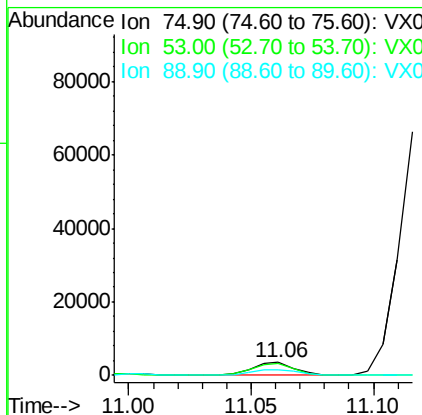
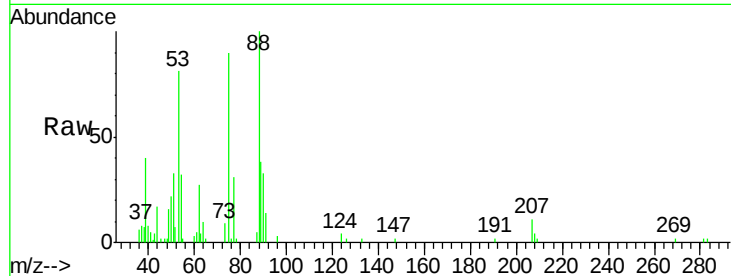
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	75	Resp:	4123
Ion	Ratio	Lower	Upper
75	100		
53	96.5	73.1	109.7
89	49.5	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.328 ug/l

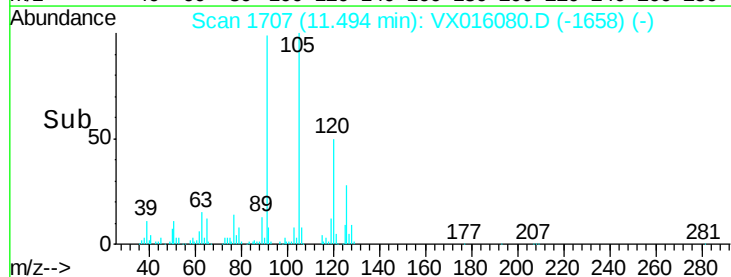
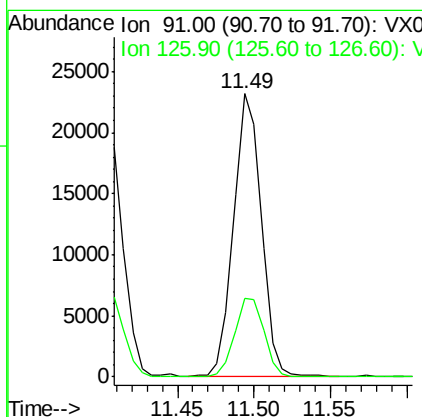
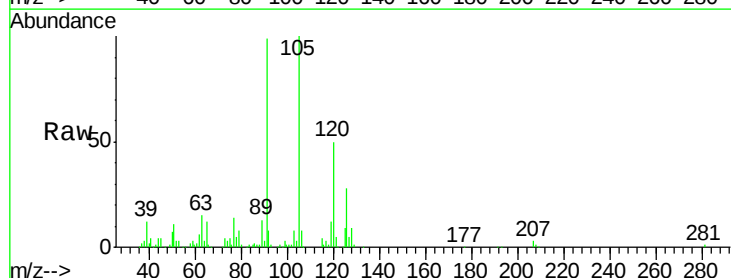
RT: 11.49 min Scan# 1707

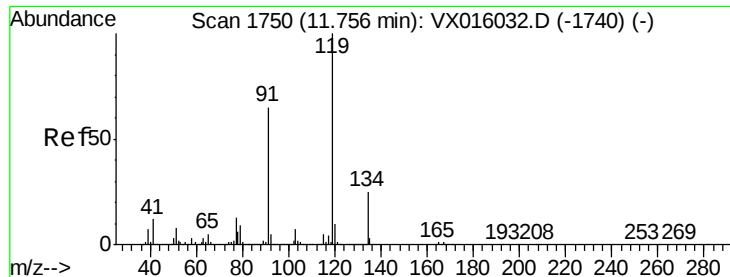
Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	91	Resp:	29326
Ion	Ratio	Lower	Upper
91	100		
126	29.3	14.8	44.3





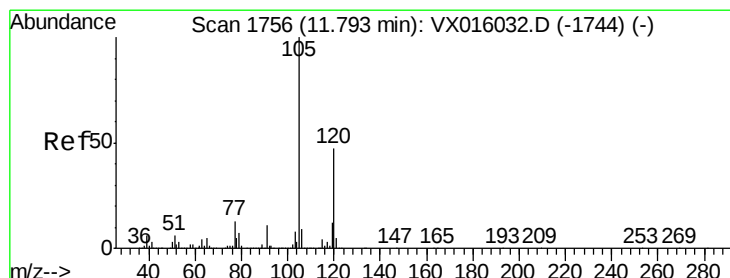
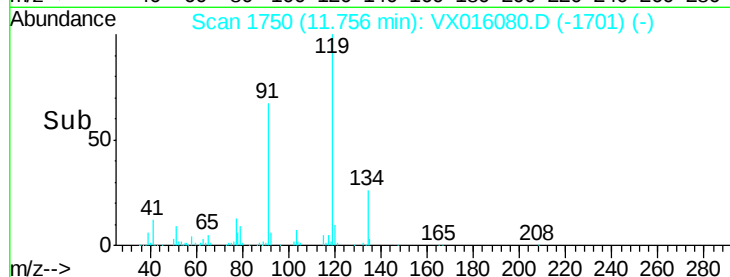
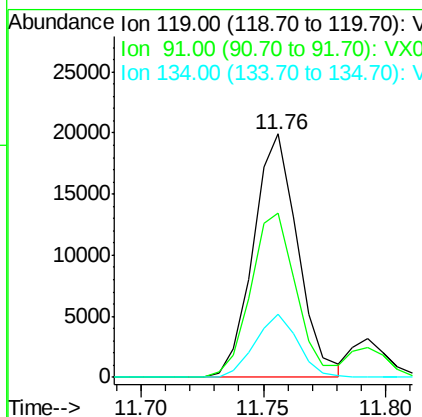
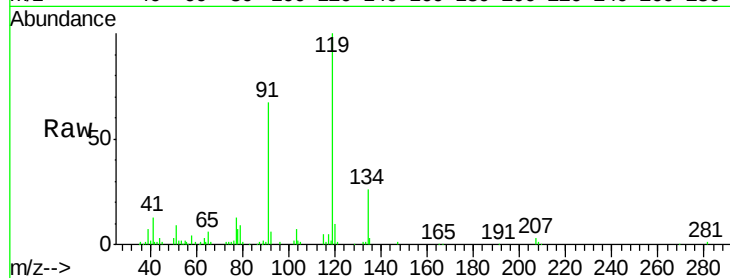
#83
 tert-Butylbenzene
 Concen: 2.229 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	25192		
91	69.6		32.8	98.4
134	24.8		12.4	37.0

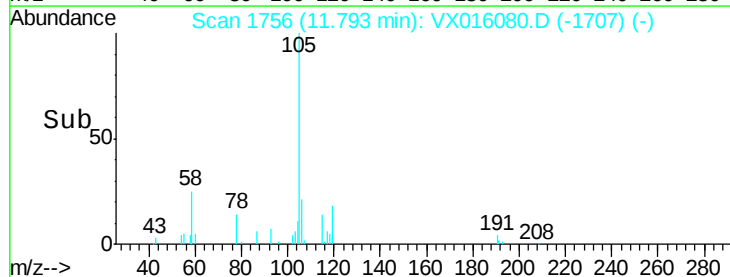
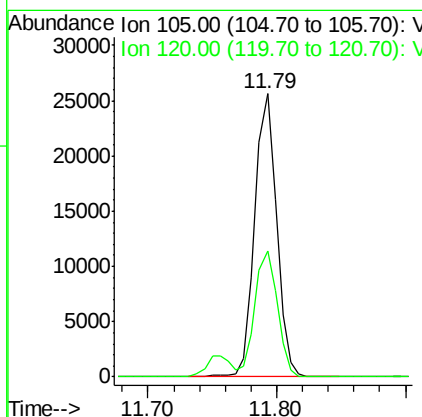
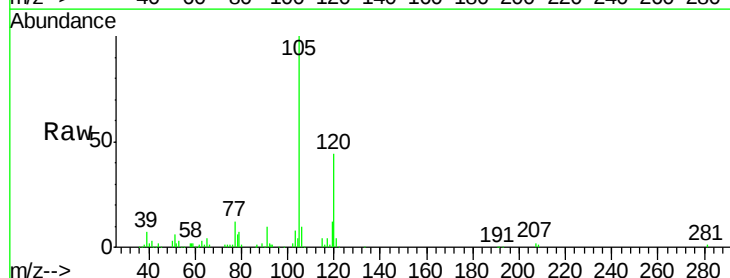
Manual Integrations
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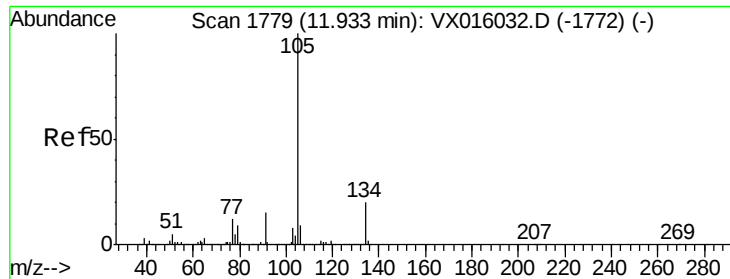
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.256 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	29907		
120	45.6		23.0	69.0





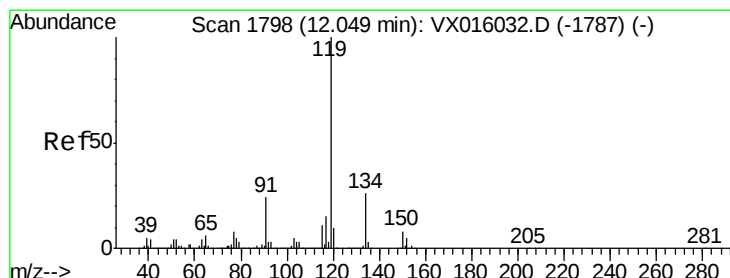
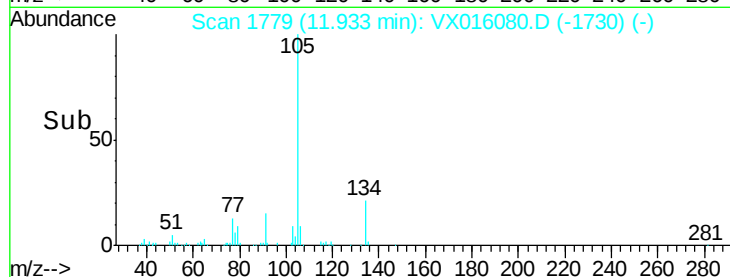
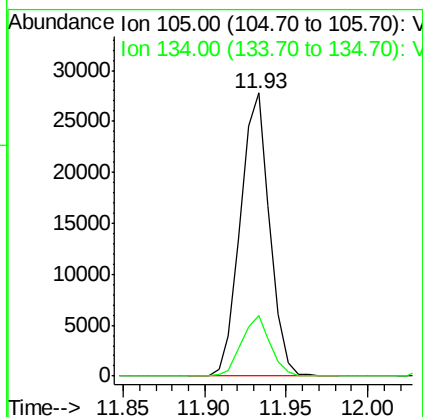
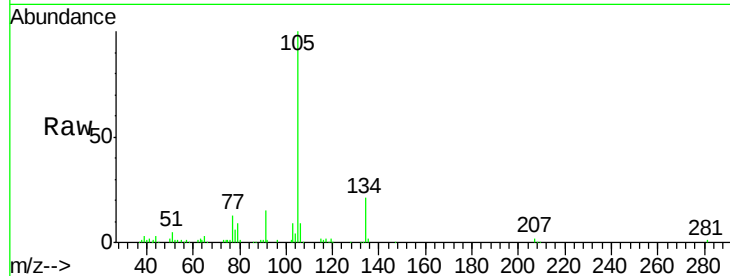
#85
 sec-Butylbenzene
 Concen: 2.275 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.1	30.3

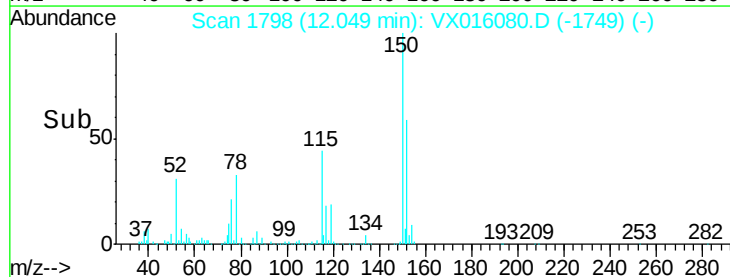
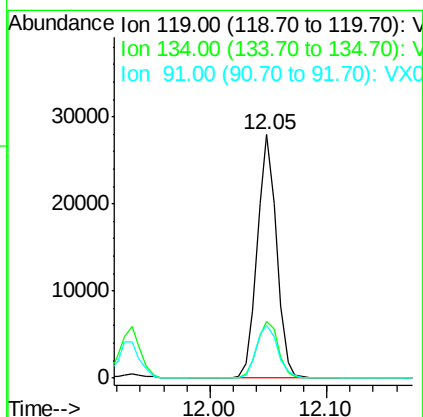
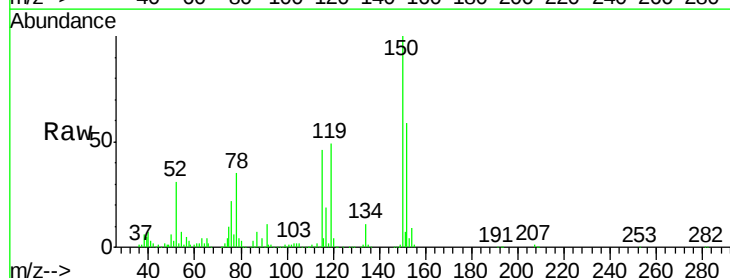
Manual Integrations
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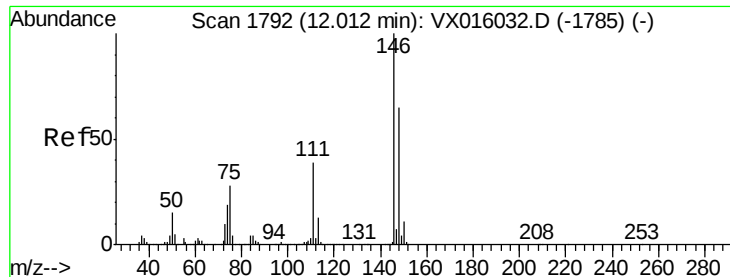
MMDadoda
 5/8/2020 11:55:01 AM



#86
 p-Isopropyltoluene
 Concen: 2.292 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.1	39.3
91	24.7	11.8	35.4





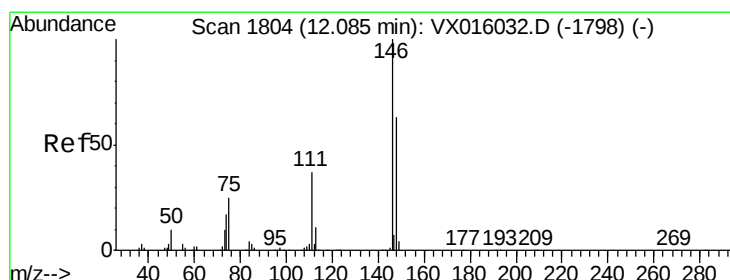
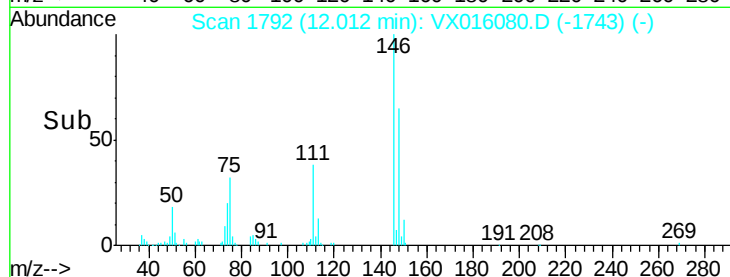
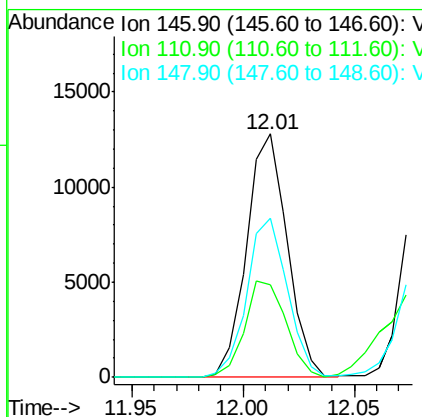
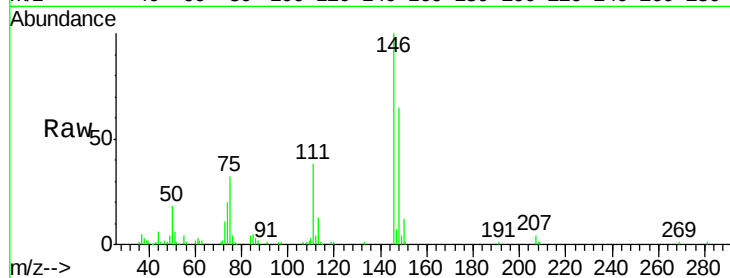
#87
 1,3-Dichlorobenzene
 Concen: 2.264 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.6
148	65.4	32.1	96.3

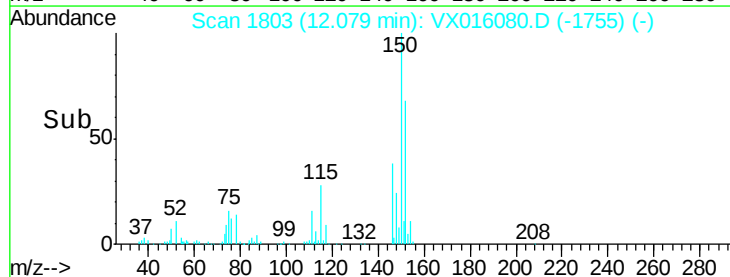
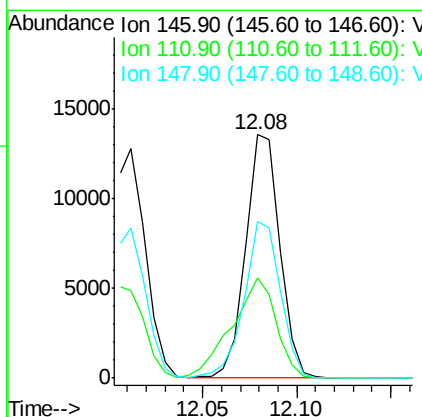
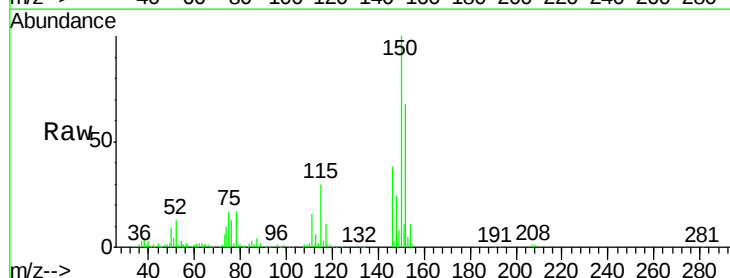
Manual Integrations
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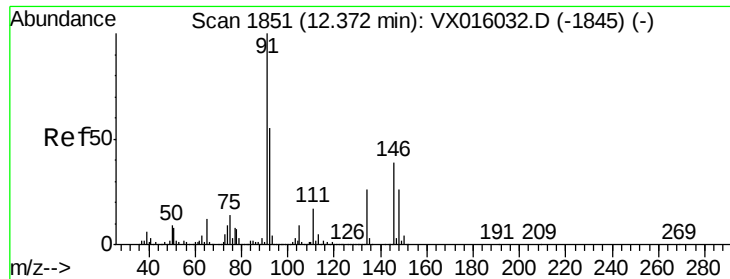
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 2.336 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.4	19.6	58.7
148	68.3	31.8	95.3





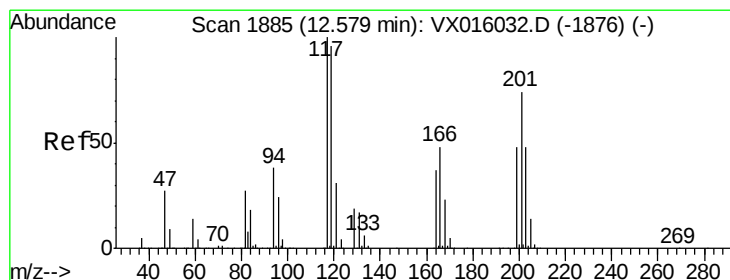
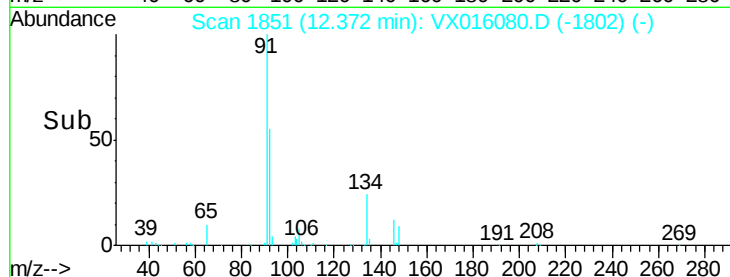
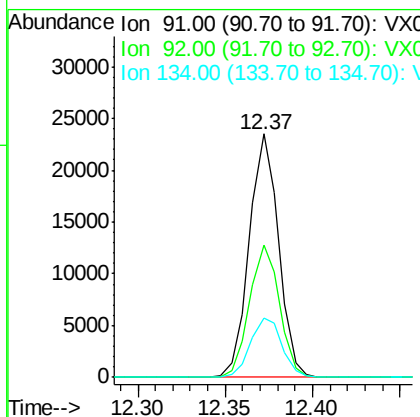
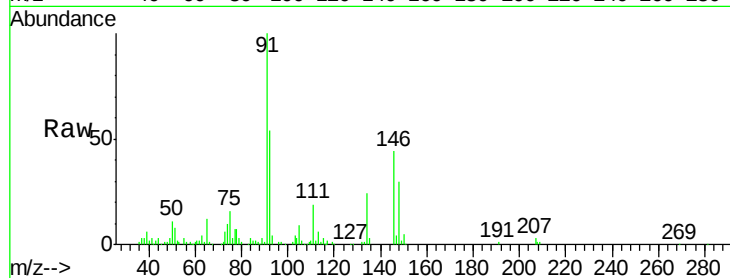
#89
n-Butylbenzene
Concen: 2.118 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.9	13.4	40.1

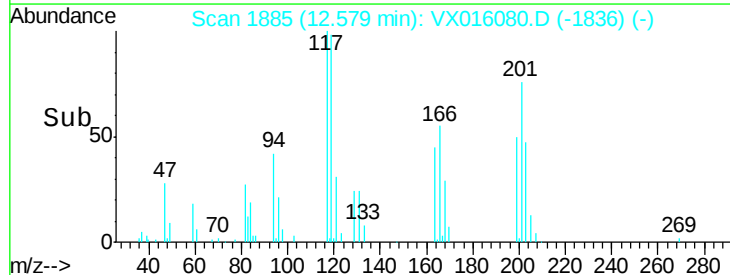
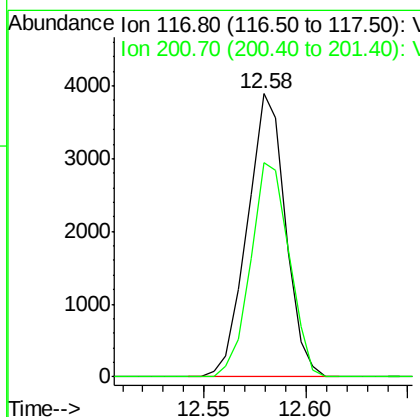
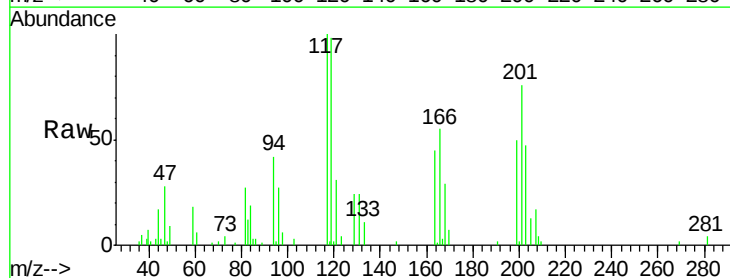
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#90
Hexachloroethane
Concen: 2.086 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016080.D
Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	39.8	119.3





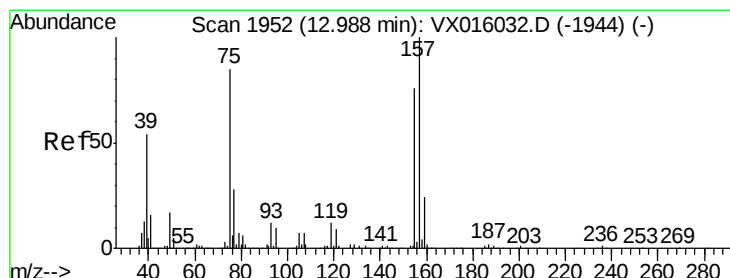
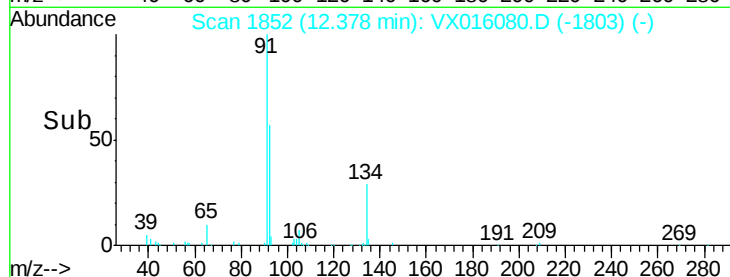
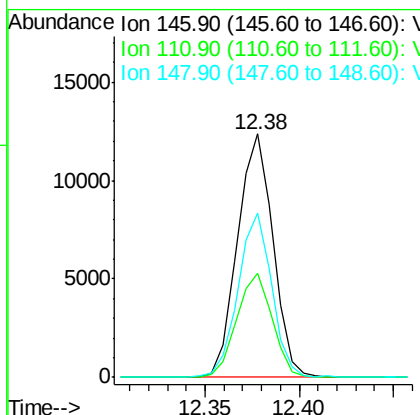
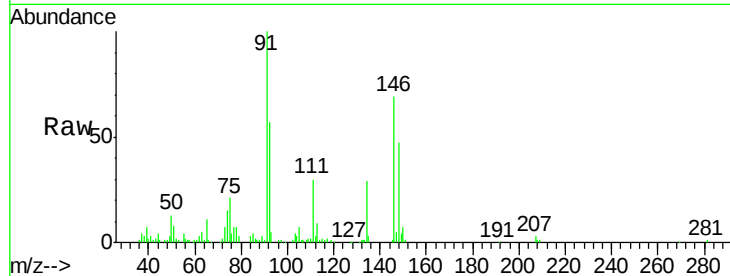
#91
 1,2-Dichlorobenzene
 Concen: 2.326 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.1
148	64.1	32.4	97.0

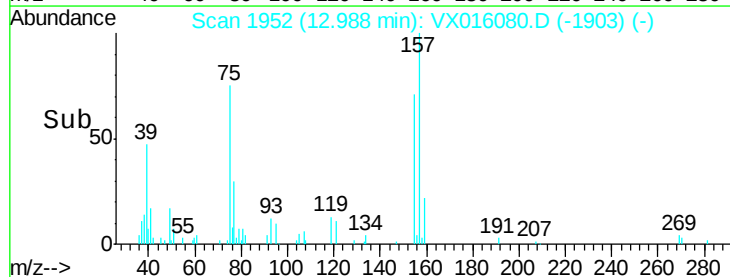
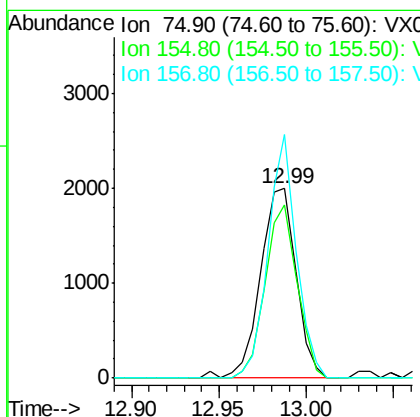
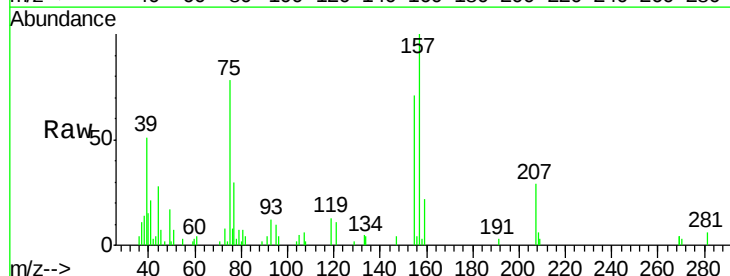
Manual Integrations
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 5/8/2020 11:55:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.218 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	42.5	127.5
157	101.9	55.3	165.8





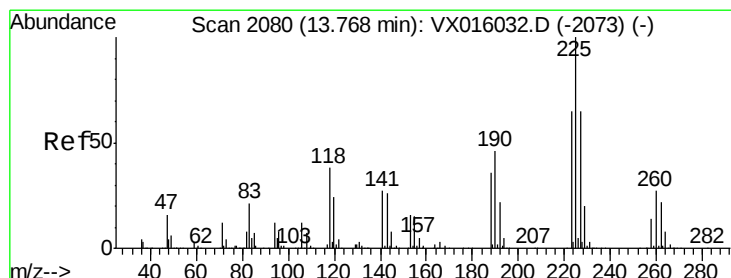
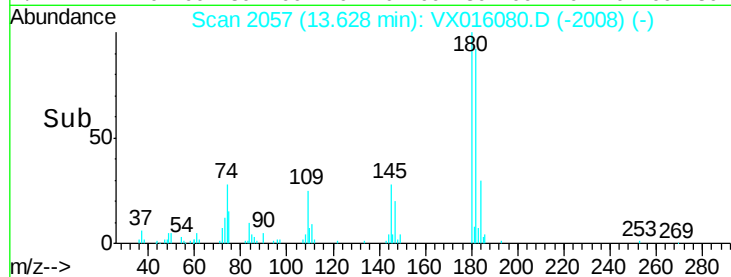
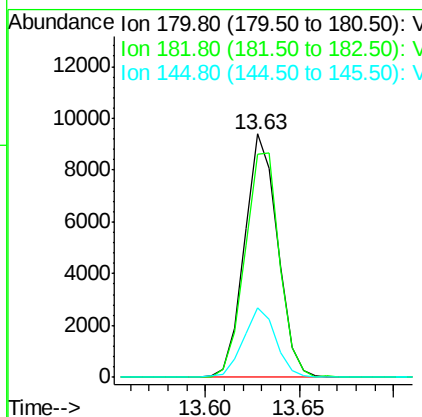
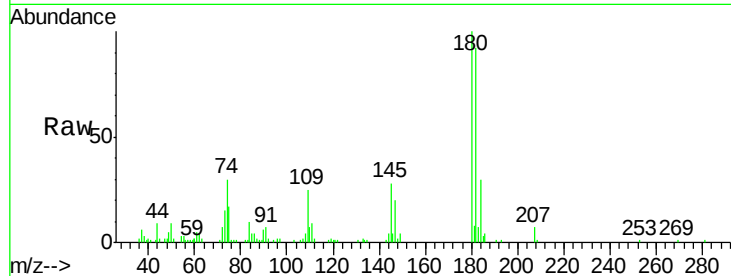
#93
 1,2,4-Trichlorobenzene
 Concen: 2.225 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.7	146.1
145	28.2	15.7	47.1

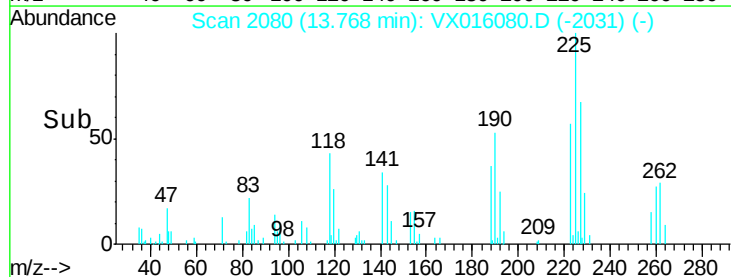
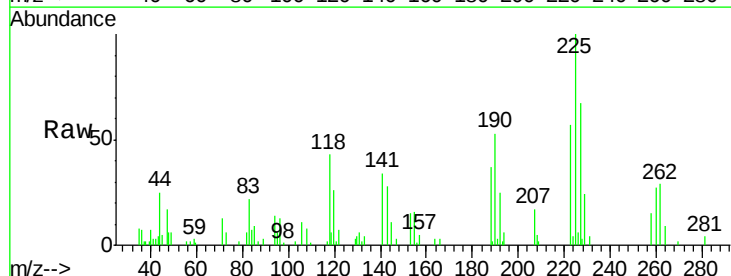
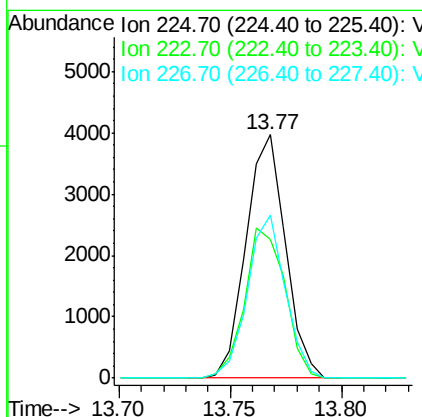
Manual Integrations
 APPROVED

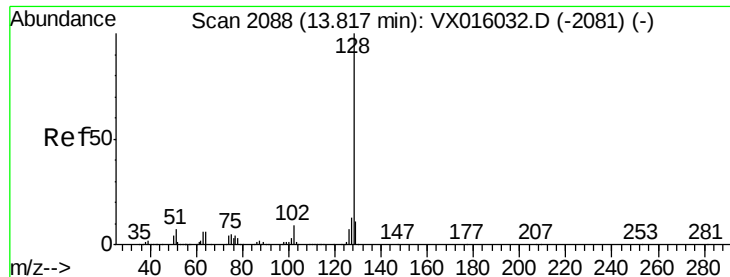
MMDadoda
 5/8/2020 11:55:01 AM



#94
 Hexachlorobutadiene
 Concen: 2.064 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016080.D
 Acq: 06 May 2020 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.3	96.9
227	64.4	31.8	95.4





#95

Naphthalene

Concen: 2.164 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Instrument :

MSVOA_X

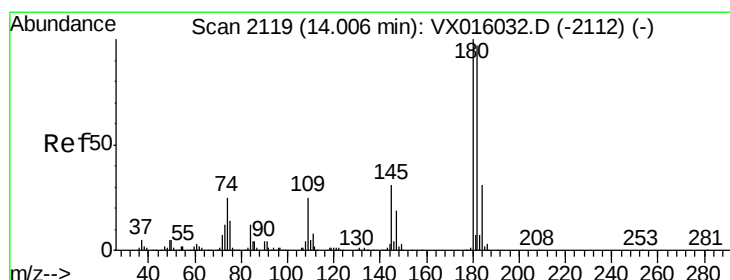
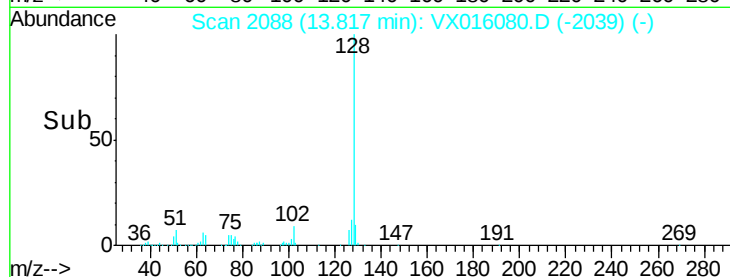
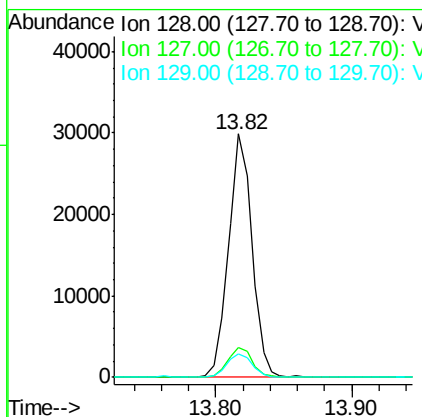
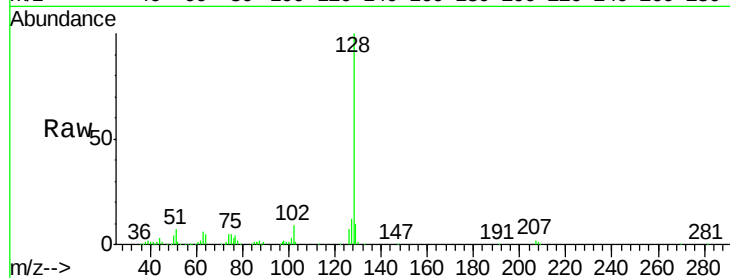
ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:	128	Resp:	35963
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/8/2020 11:55:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 2.192 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016080.D

Acq: 06 May 2020 13:50

Tgt Ion:	180	Resp:	10994
Ion Ratio	Lower	Upper	
180	100		
182	99.7	48.4	145.0
145	32.7	16.4	49.1

