

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017379.D
 Acq On : 14 Jul 2020 15:19
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:42 AM

Quant Time: Jul 15 03:08:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	539823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	883649	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	885314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	463374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	353373	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	5.46	113	297106	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.70	98	1063112	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.12	95	438361	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	1708	0.374	ug/l	96
3) Chloromethane	1.32	50	2294	0.446	ug/l	95
4) Vinyl Chloride	1.39	62	2190	0.430	ug/l	98
5) Bromomethane	1.64	94	2482	0.749	ug/l #	79
6) Chloroethane	1.72	64	1759	0.548	ug/l #	86
7) Trichlorofluoromethane	1.92	101	3538	0.412	ug/l	94
8) Diethyl Ether	2.17	74	1500	0.494	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2495	0.510	ug/l	93
10) Methyl Iodide	2.50	142	1616	0.272	ug/l	98
11) Tert butyl alcohol	3.01	59	2671	2.340	ug/l	98
12) 1,1-Dichloroethene	2.36	96	2256	0.459	ug/l	84
13) Acrolein	2.27	56	1311	2.095	ug/l #	54
14) Allyl chloride	2.71	41	3828	0.450	ug/l	98
15) Acrylonitrile	3.12	53	5979	2.161	ug/l	97
16) Acetone	2.42	43	6741	2.789	ug/l	96
17) Carbon Disulfide	2.55	76	6820	0.476	ug/l #	87
18) Methyl Acetate	2.75	43	3126	0.524	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	7152	0.429	ug/l	99
20) Methylene Chloride	2.84	84	3075	0.521	ug/l	87
21) trans-1,2-Dichloroethene	3.14	96	2568	0.457	ug/l	97
22) Diisopropyl ether	3.83	45	6964	0.429	ug/l #	83
23) Vinyl Acetate	3.79	43	27015	1.894	ug/l #	94
24) 1,1-Dichloroethane	3.67	63	4707	0.494	ug/l #	93
25) 2-Butanone	4.64	43	8319	2.167	ug/l #	88
26) 2,2-Dichloropropane	4.56	77	3677	0.415	ug/l	86
27) cis-1,2-Dichloroethene	4.57	96	2959	0.480	ug/l	94
28) Bromochloromethane	4.98	49	2032	0.462	ug/l	99
29) Tetrahydrofuran	5.09	42	5423m	2.182	ug/l	
30) Chloroform	5.18	83	4580	0.447	ug/l #	81
31) Cyclohexane	5.55	56	3095	0.397	ug/l #	96
32) 1,1,1-Trichloroethane	5.45	97	4637m	0.489	ug/l	
36) 1,1-Dichloropropene	5.77	75	3567	0.439	ug/l #	92
37) Ethyl Acetate	4.80	43	3510	0.418	ug/l #	85
38) Carbon Tetrachloride	5.75	117	4041	0.425	ug/l	86

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3576	0.405	ug/l	96
40) Benzene	6.12	78	9558	0.409	ug/l	95
41) Methacrylonitrile	5.02	41	1865	0.413	ug/l #	36
42) 1,2-Dichloroethane	6.16	62	4790	0.528	ug/l	88
43) Isopropyl Acetate	6.42	43	5983	0.445	ug/l	97
44) Trichloroethene	7.20	130	3013	0.422	ug/l	91
45) 1,2-Dichloropropane	7.49	63	2599	0.435	ug/l #	87
46) Dibromomethane	7.64	93	1920	0.445	ug/l	90
47) Bromodichloromethane	7.87	83	3710	0.412	ug/l	99
48) Methyl methacrylate	7.75	41	2411	0.374	ug/l	94
49) 1,4-Dioxane	7.72	88	1136	8.613	ug/l #	89
51) 4-Methyl-2-Pentanone	8.62	43	13614	1.662	ug/l	96
52) Toluene	8.77	92	6223	0.415	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	3819	0.393	ug/l	93
54) cis-1,3-Dichloropropene	8.42	75	3578	0.346	ug/l	92
55) 1,1,2-Trichloroethane	9.20	97	2659	0.425	ug/l #	83
56) Ethyl methacrylate	9.15	69	3373	0.380	ug/l #	87
57) 1,3-Dichloropropane	9.35	76	4081	0.392	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.29	63	6286	1.395	ug/l	93
59) 2-Hexanone	9.48	43	9318	1.507	ug/l	97
60) Dibromochloromethane	9.57	129	2779	0.364	ug/l	98
61) 1,2-Dibromoethane	9.65	107	2511	0.369	ug/l	95
64) Tetrachloroethene	9.32	164	3068	0.400	ug/l #	84
65) Chlorobenzene	10.12	112	7113	0.395	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	2685	0.375	ug/l #	64
67) Ethyl Benzene	10.24	91	10709	0.358	ug/l	93
68) m/p-Xylenes	10.34	106	7468	0.655	ug/l	99
69) o-Xylene	10.68	106	3709	0.341	ug/l	96
70) Styrene	10.70	104	5398	0.289	ug/l	89
71) Bromoform	10.84	173	2163	0.358	ug/l #	97
73) Isopropylbenzene	11.00	105	8942	0.308	ug/l	98
74) N-amyl acetate	10.88	43	3818	0.328	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	3632	0.412	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	2483m	0.290	ug/l	
77) Bromobenzene	11.24	156	3517	0.425	ug/l	87
78) n-propylbenzene	11.34	91	11199	0.343	ug/l	100
79) 2-Chlorotoluene	11.40	91	7171	0.357	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	7599	0.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	991m	0.294	ug/l	
82) 4-Chlorotoluene	11.49	91	8579	0.360	ug/l	98
83) tert-Butylbenzene	11.76	119	7107	0.298	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	7281	0.292	ug/l	99
85) sec-Butylbenzene	11.93	105	7969	0.286	ug/l	98
86) p-Isopropyltoluene	12.05	119	8252	0.313	ug/l #	81
87) 1,3-Dichlorobenzene	12.01	146	5648	0.382	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	6667m	0.446	ug/l	
89) n-Butylbenzene	12.37	91	7558	0.336	ug/l	100
90) Hexachloroethane	12.58	117	1844	0.368	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	5073	0.365	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	804	0.345	ug/l	87

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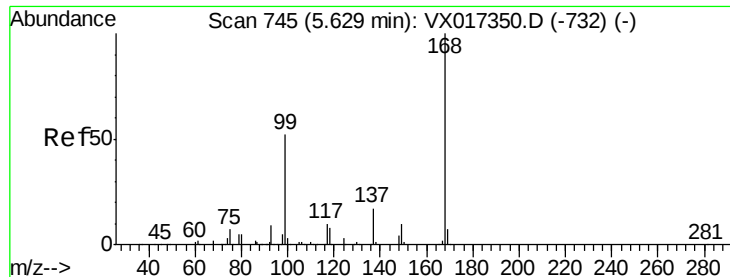
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3234	0.335	ug/l	97
94) Hexachlorobutadiene	13.76	225	1648	0.419	ug/l	98
95) Naphthalene	13.82	128	7694	0.271	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	3105	0.333	ug/l	96

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



#1

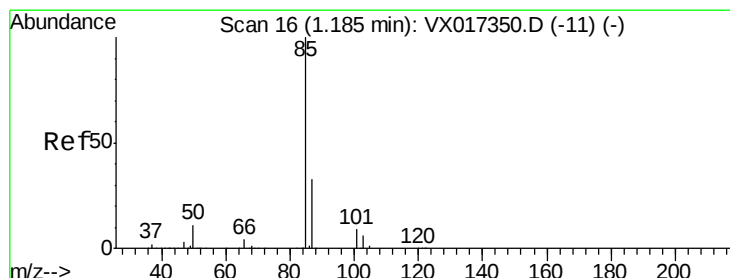
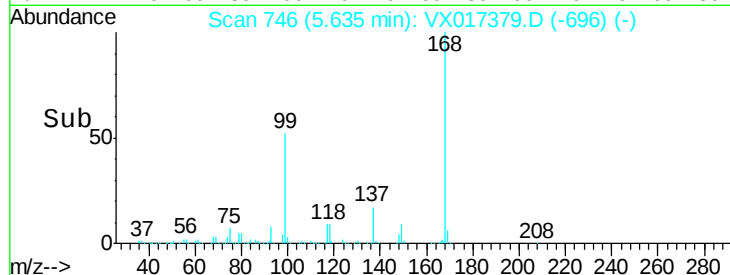
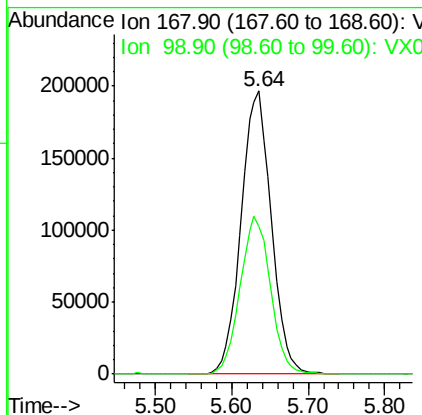
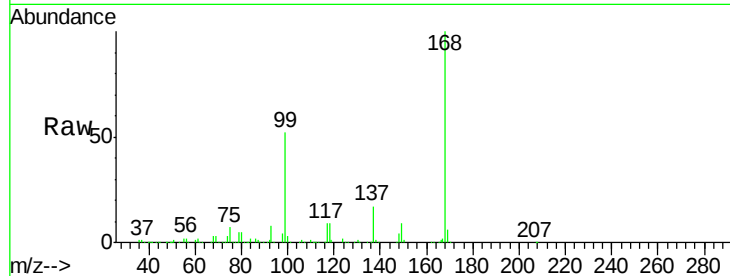
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.3	41.6	62.4

Manual Integrations
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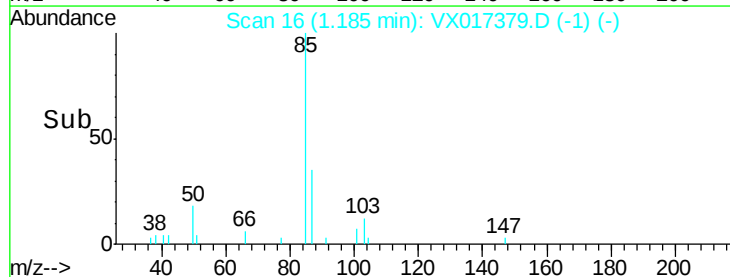
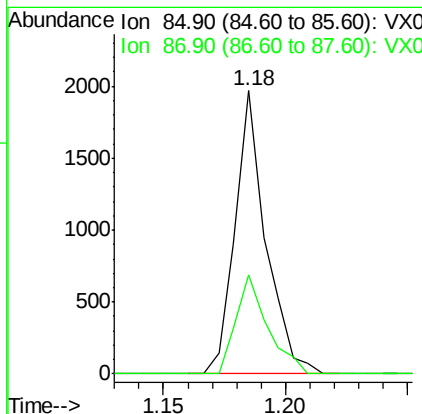
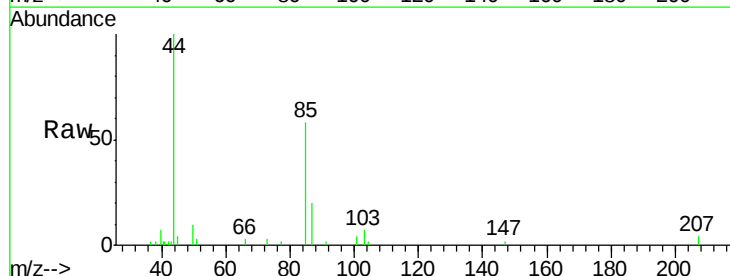
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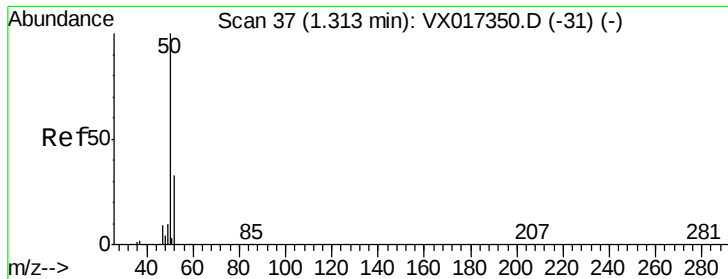


#2

Dichlorodifluoromethane
 Concen: 0.374 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.9	16.3	48.8





#3

Chloromethane

Concen: 0.446 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 2294

Ion Ratio Lower Upper

50 100

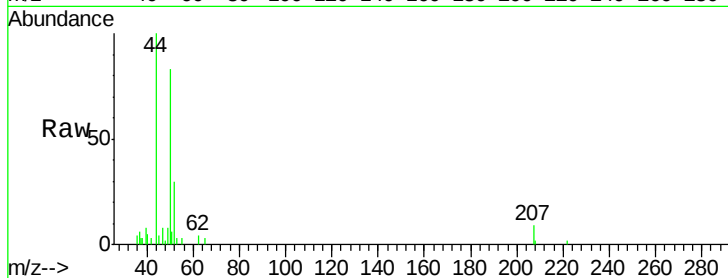
52 36.1 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2500

2000

1500

1000

500

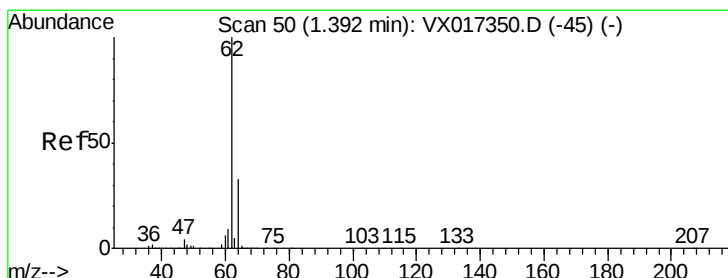
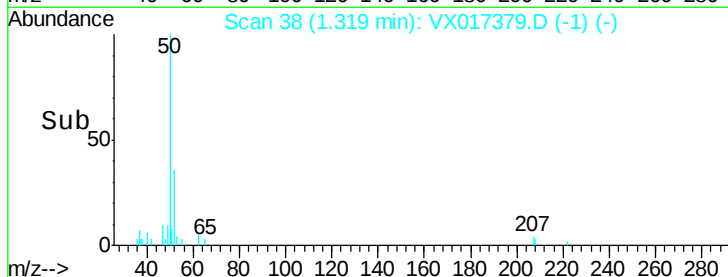
0

1.30

1.32

1.35

Time-->



#4

Vinyl Chloride

Concen: 0.430 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017379.D

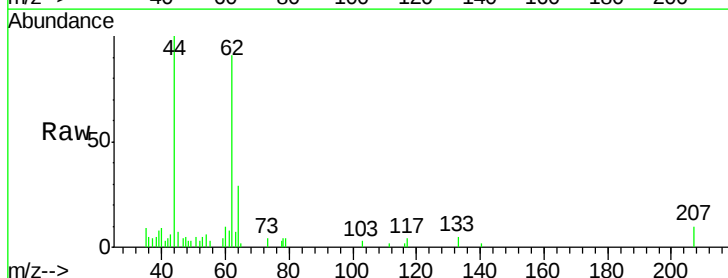
Acq: 14 Jul 2020 15:19

Tgt Ion: 62 Resp: 2190

Ion Ratio Lower Upper

62 100

64 31.7 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

2000

1500

1000

500

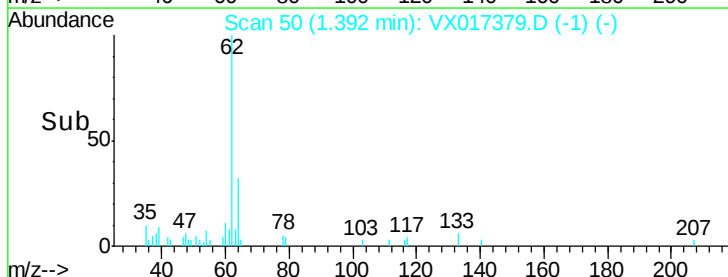
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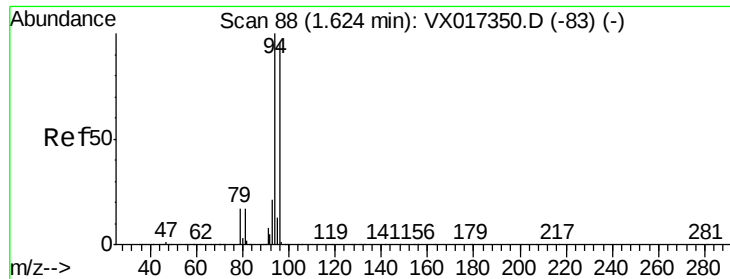
1.35

1.39

1.45

Time-->





#5

Bromomethane

Concen: 0.749 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 2482

Ion Ratio Lower Upper

94 100

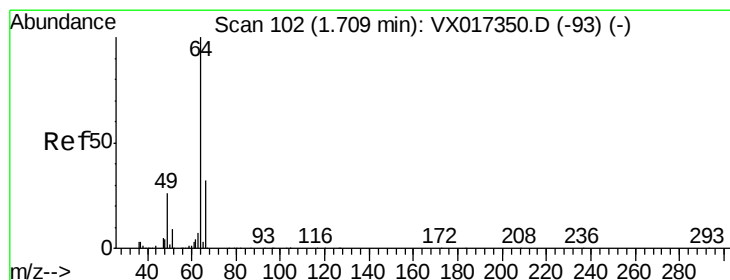
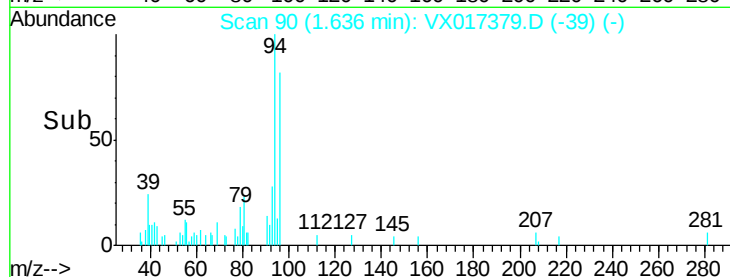
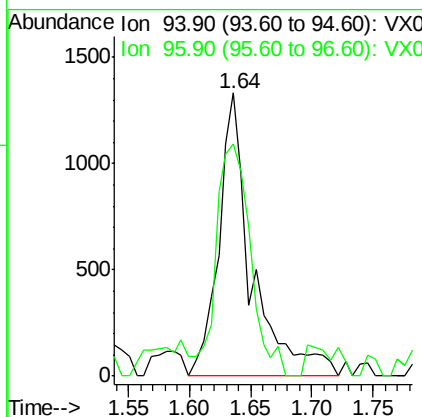
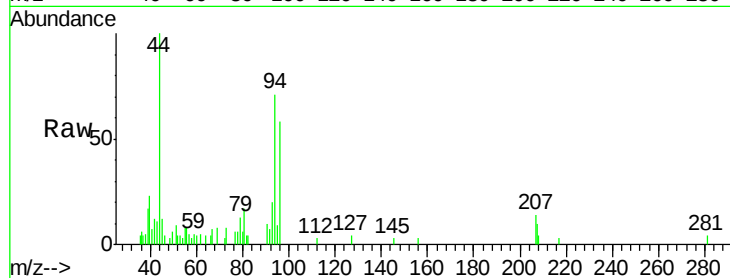
96 75.3 76.6 115.0#

Manual Integrations

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#6

Chloroethane

Concen: 0.548 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017379.D

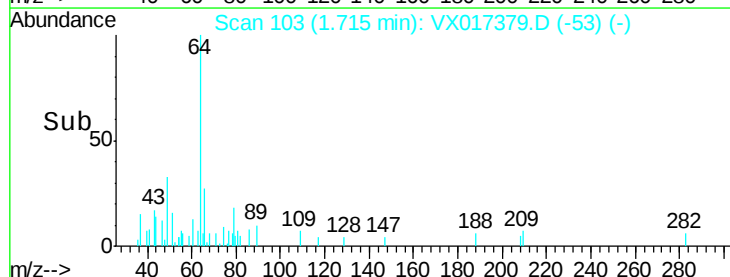
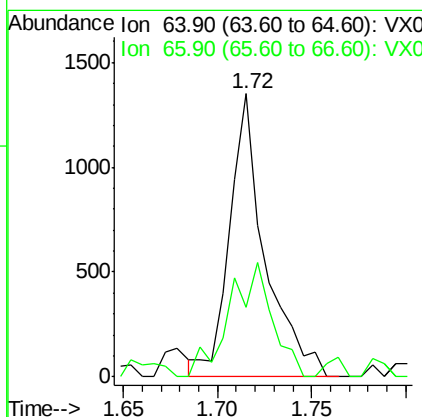
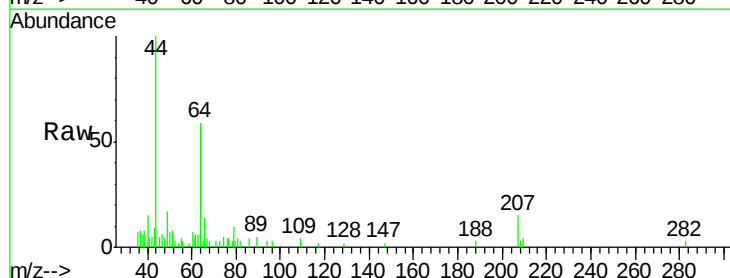
Acq: 14 Jul 2020 15:19

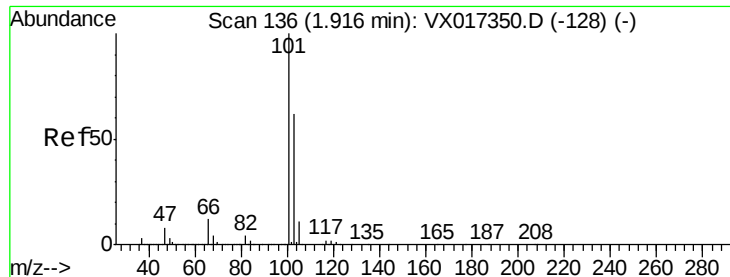
Tgt Ion: 64 Resp: 1759

Ion Ratio Lower Upper

64 100

66 24.4 25.7 38.5#





#7

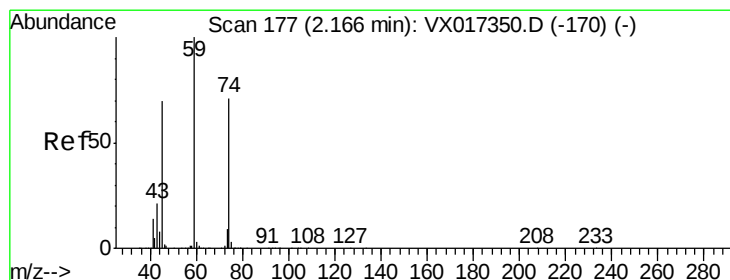
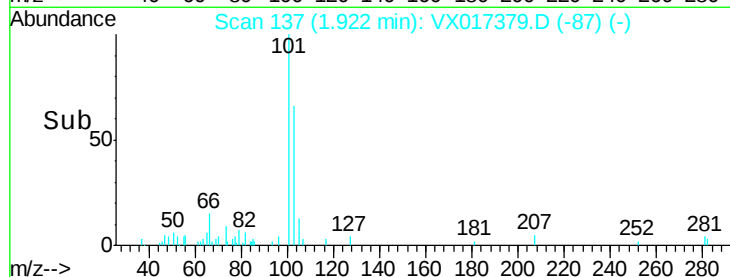
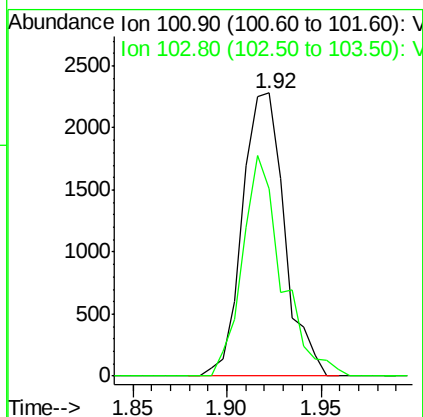
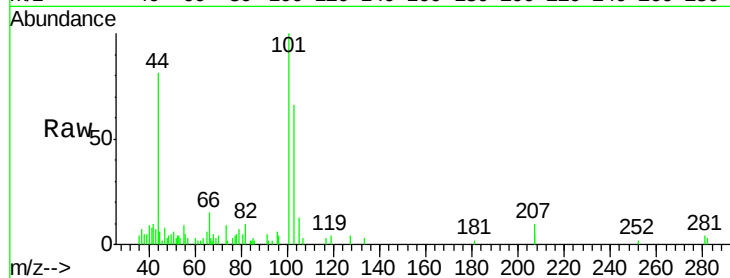
Trichlorofluoromethane
Concen: 0.412 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
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ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	49.6	74.4

Manual Integrations
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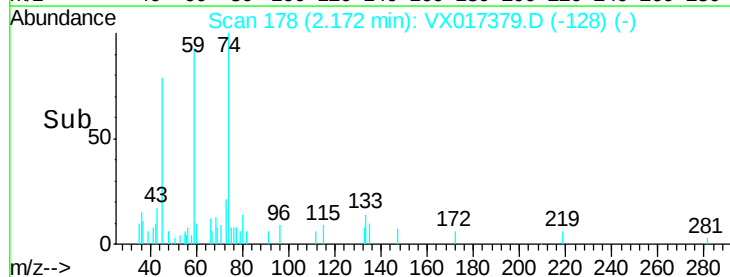
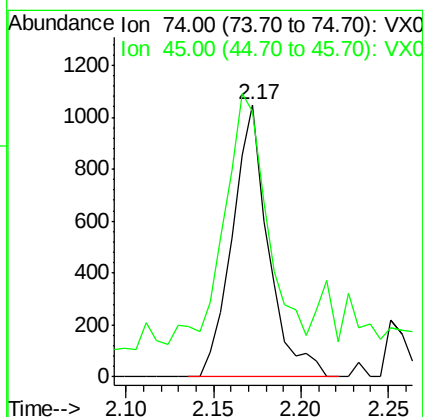
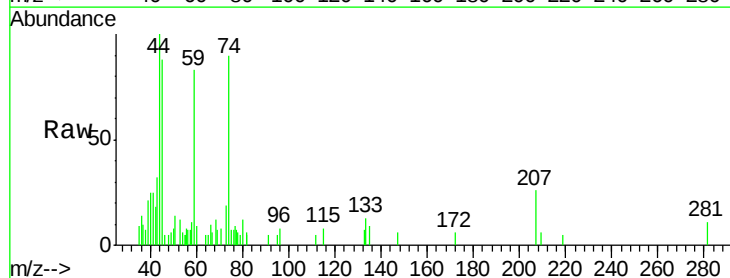
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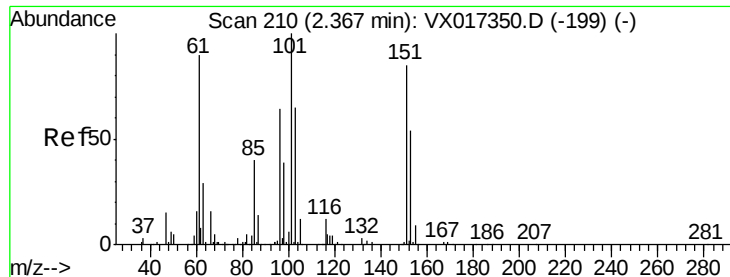


#8

Diethyl Ether
Concen: 0.494 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.510 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

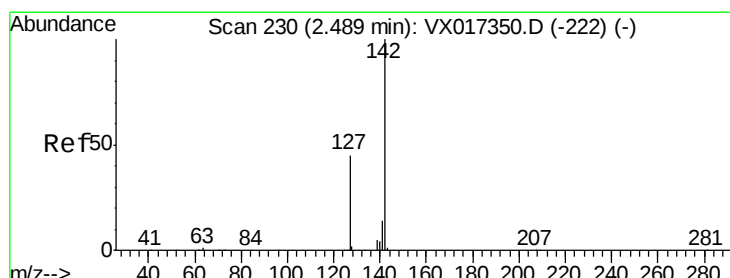
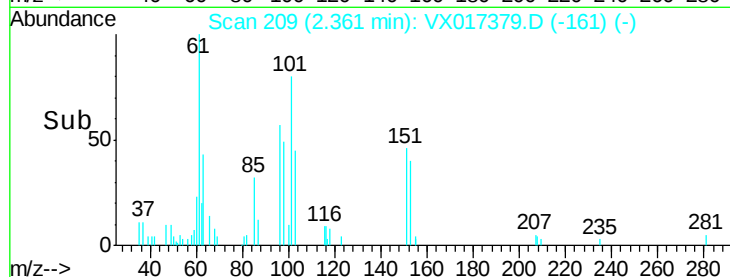
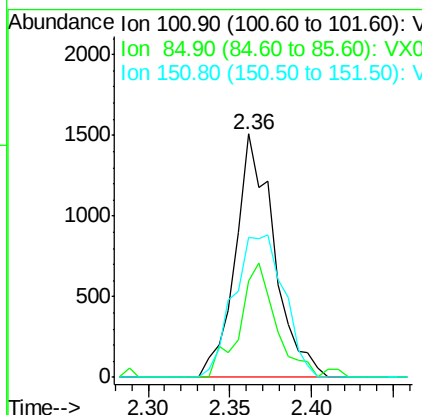
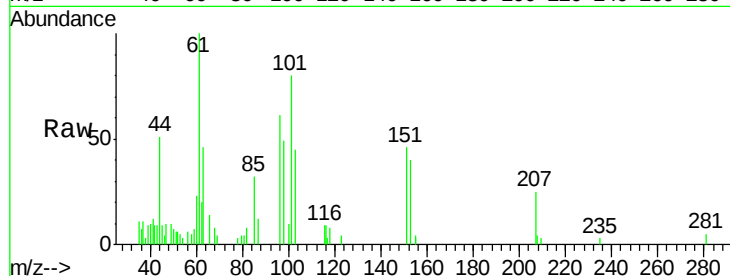
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	101	Resp:	2495
Ion Ratio	Lower	Upper	
101	100		
85	45.6	33.7	50.5
151	76.2	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 0.272 ug/l

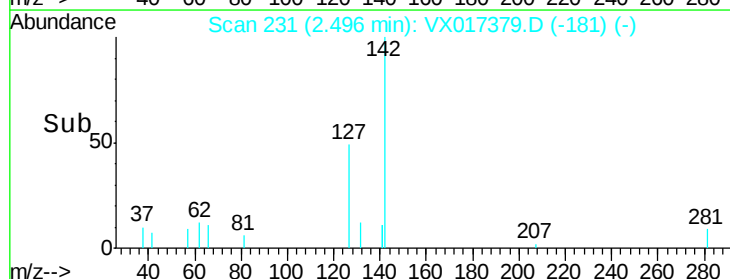
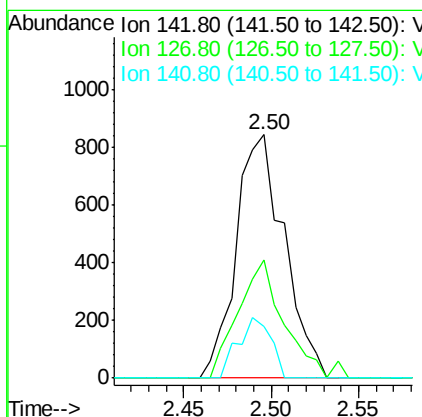
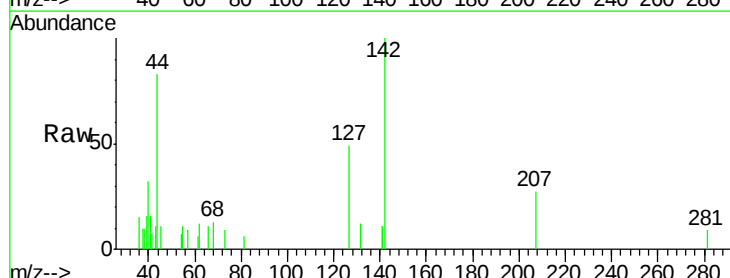
RT: 2.50 min Scan# 231

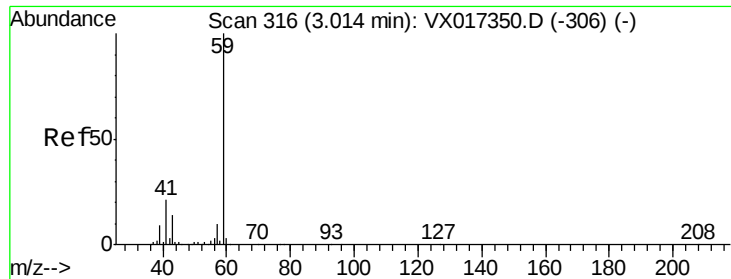
Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	142	Resp:	1616
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.8	55.2
141	17.0	11.4	17.0





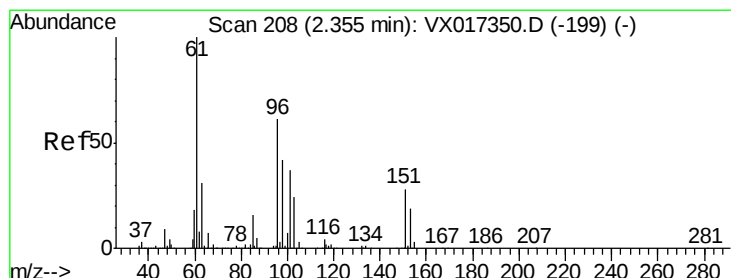
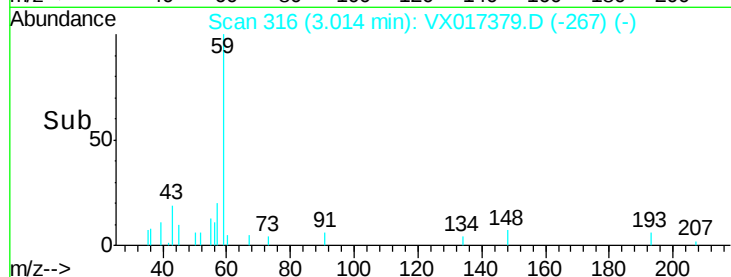
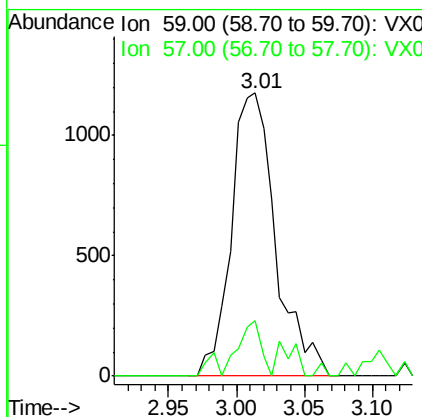
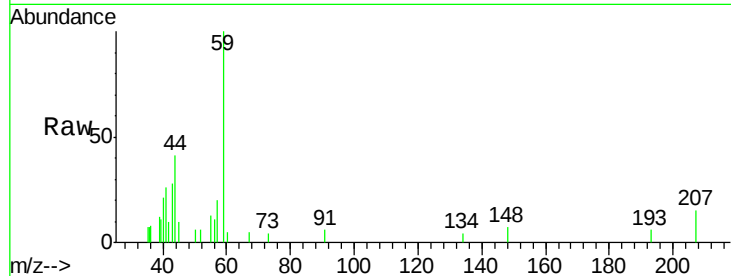
#11
Tert butyl alcohol
Concen: 2.340 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	2671		
57	9.8		8.3	12.5

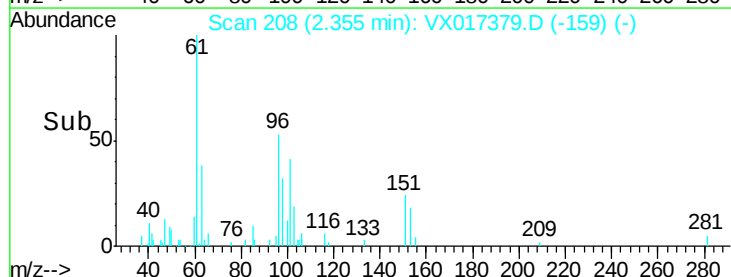
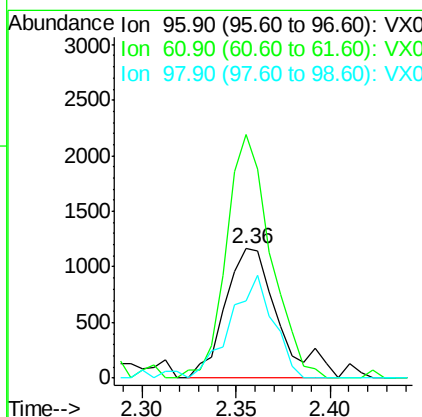
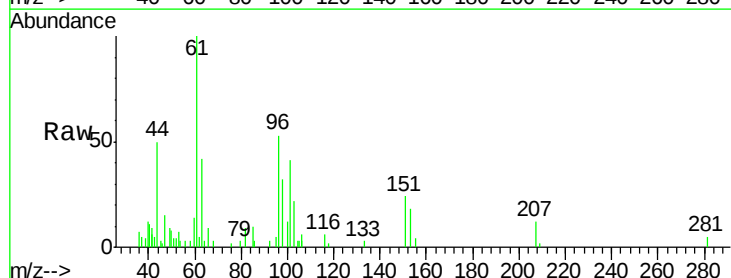
Manual Integrations
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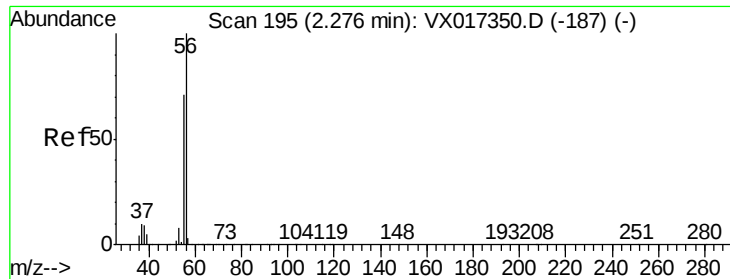
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#12
1,1-Dichloroethene
Concen: 0.459 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	2256		
61	188.3		131.5	197.3
98	59.4		55.1	82.7





#13

Acrolein

Concen: 2.095 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 1311

Ion Ratio Lower Upper

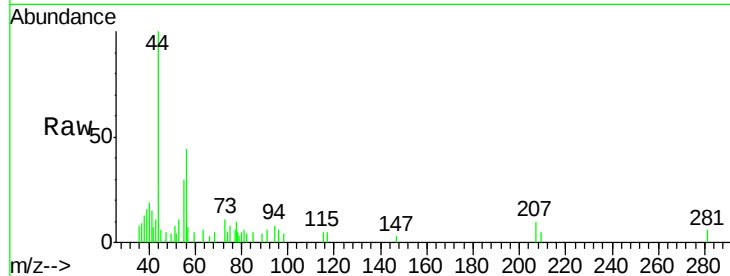
56 100

55 109.6 57.1 85.7#

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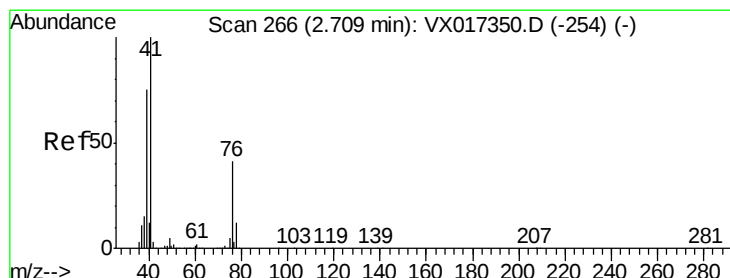
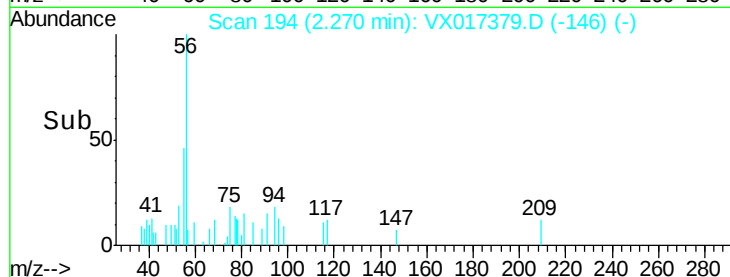
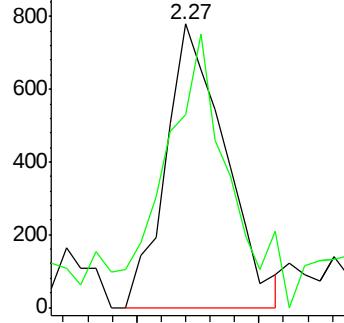
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.450 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

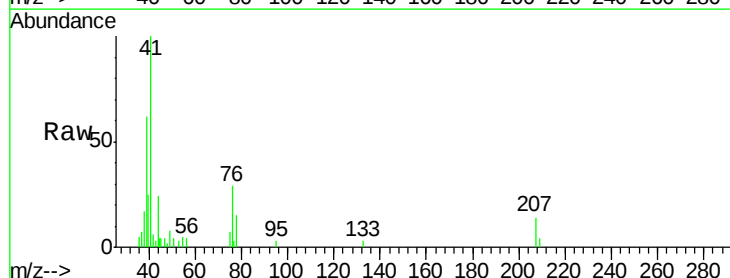
Tgt Ion: 41 Resp: 3828

Ion Ratio Lower Upper

41 100

39 65.8 53.0 79.4

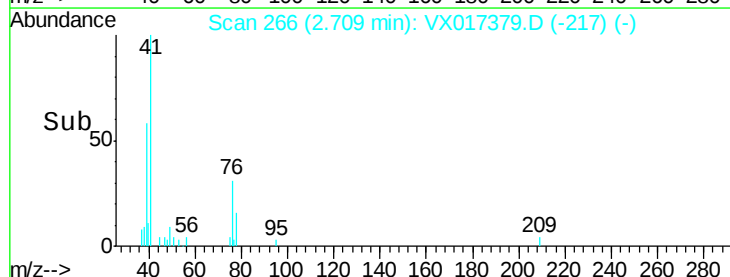
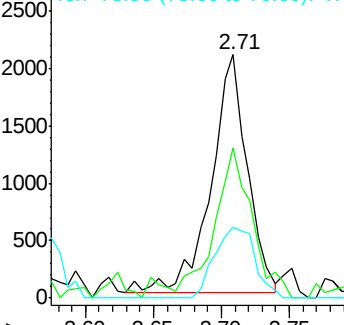
76 33.1 28.2 42.2

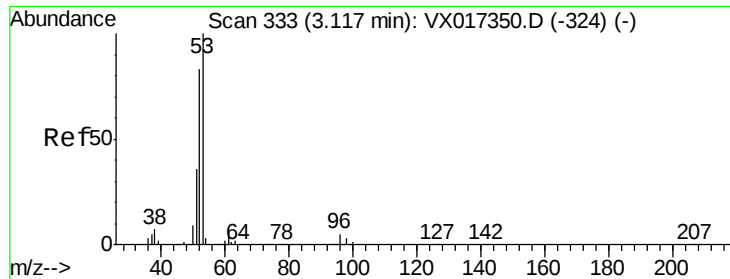


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





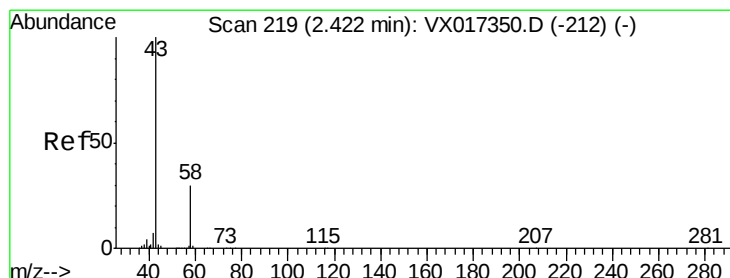
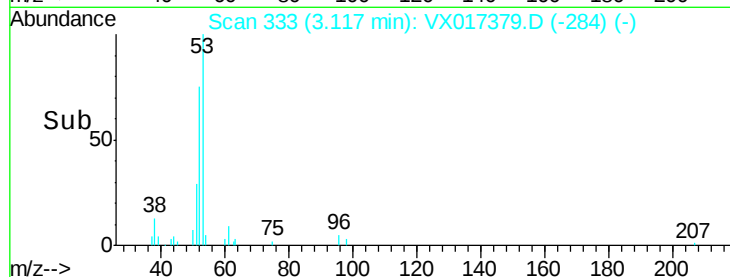
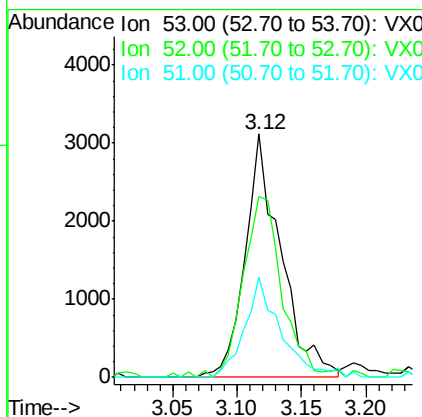
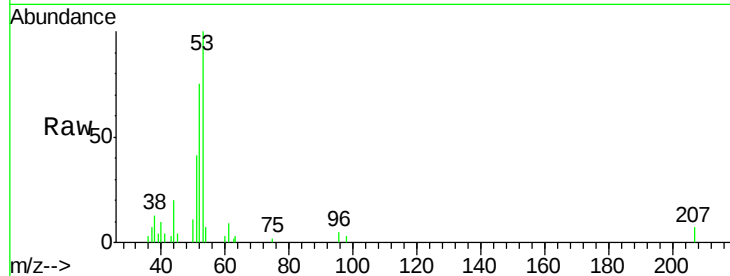
#15
 Acrylonitrile
 Concen: 2.161 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.6
51	41.5	29.2	43.8

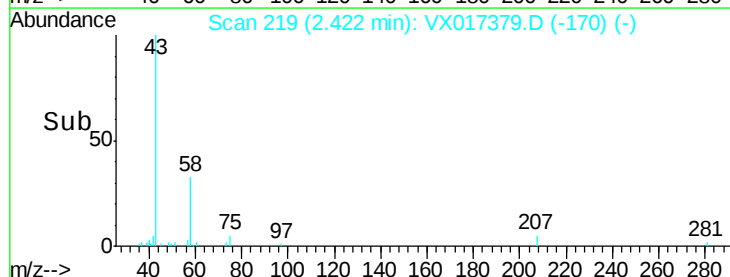
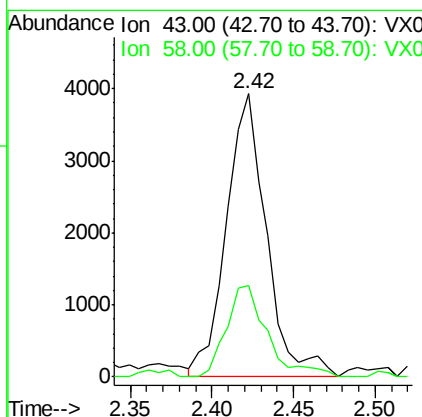
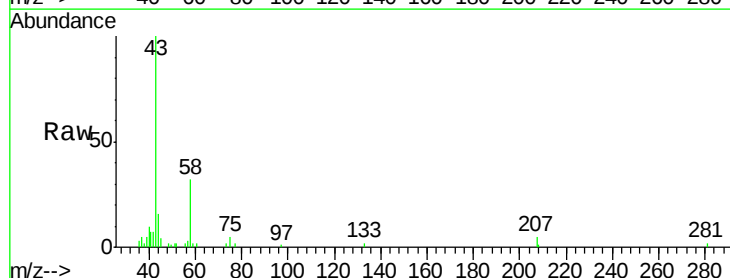
Manual Integrations
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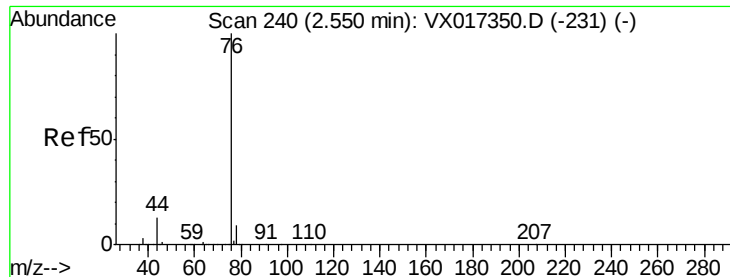
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#16
 Acetone
 Concen: 2.789 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.2	36.2





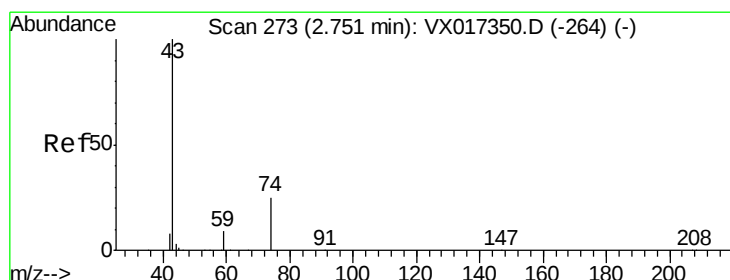
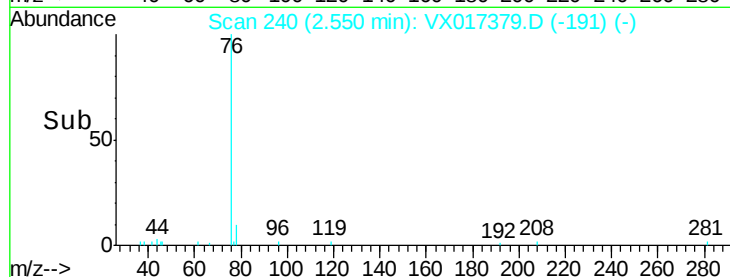
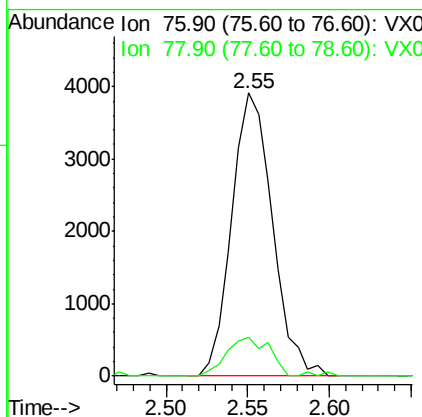
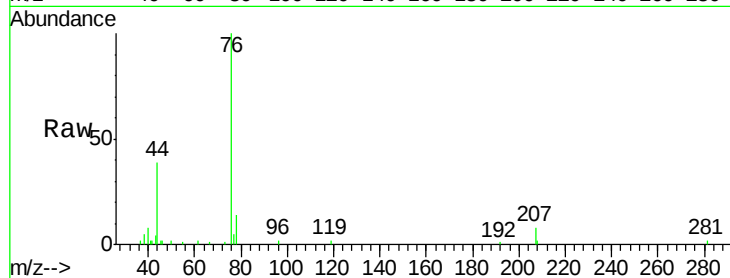
#17
Carbon Disulfide
Concen: 0.476 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.8	7.3	10.9#

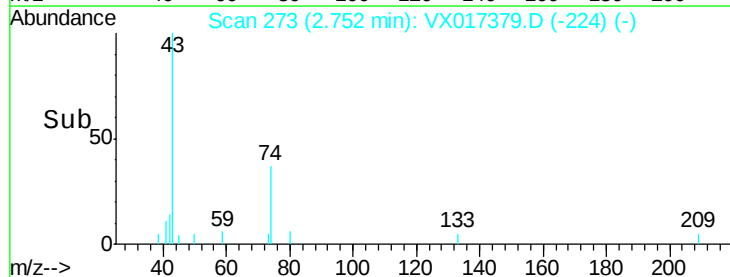
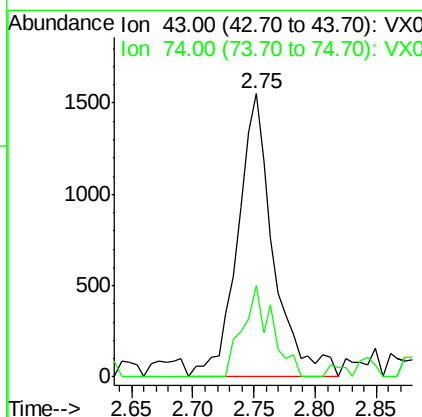
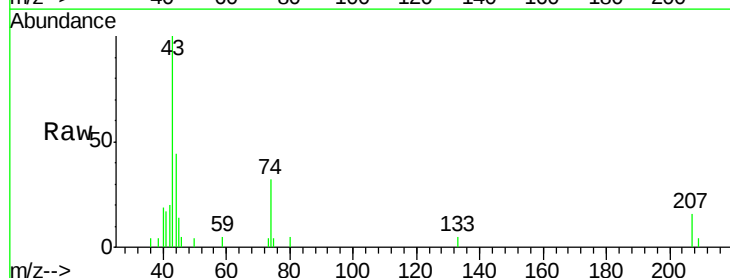
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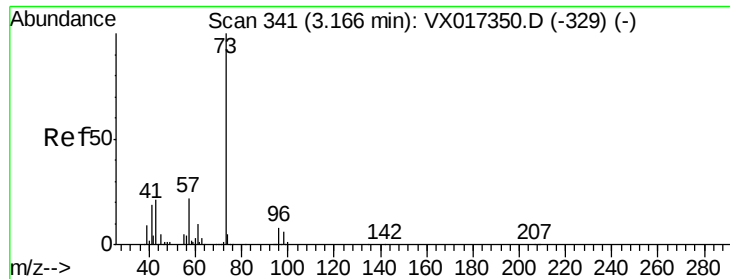
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7/15/2020 11:43:42 AM



#18
Methyl Acetate
Concen: 0.524 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	19.4	29.2





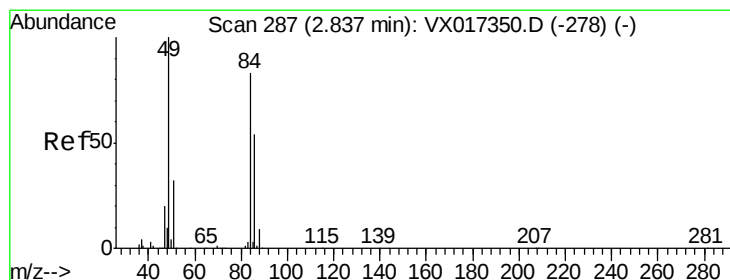
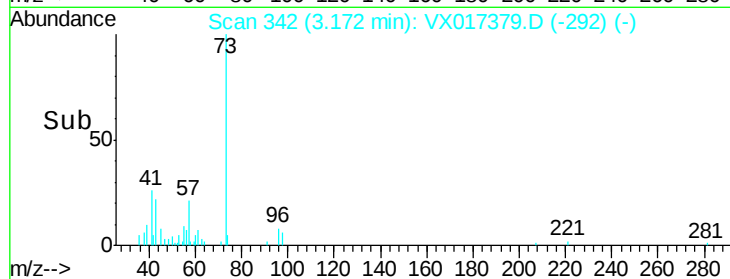
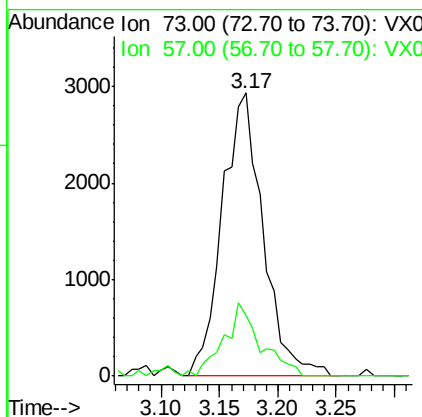
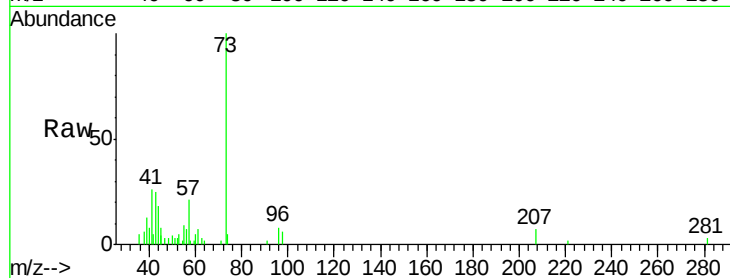
#19
Methvl tert-butvl Ether
Concen: 0.429 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.5	26.3

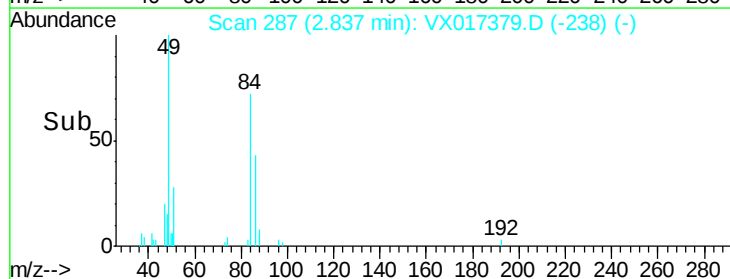
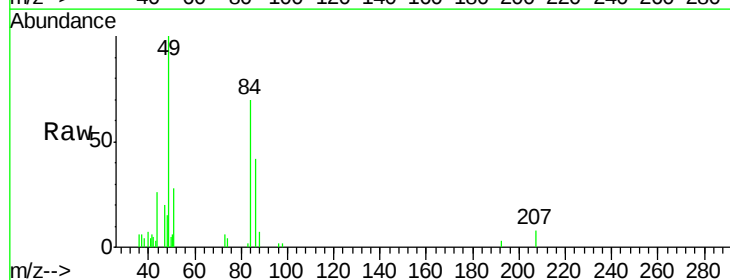
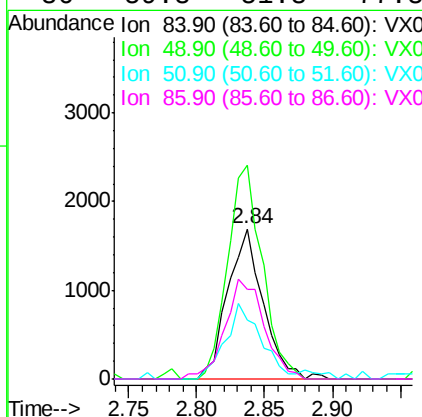
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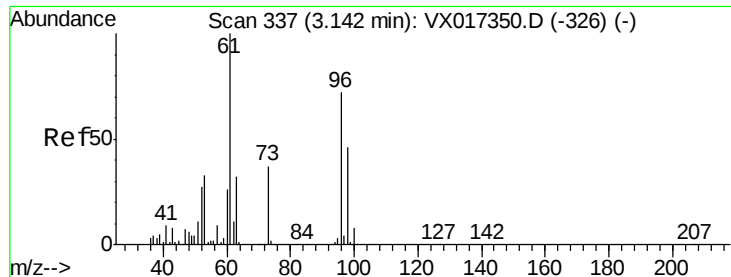
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#20
Methylene Chloride
Concen: 0.521 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	95.8	143.8
51	39.3	31.0	46.4
86	59.8	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 0.457 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

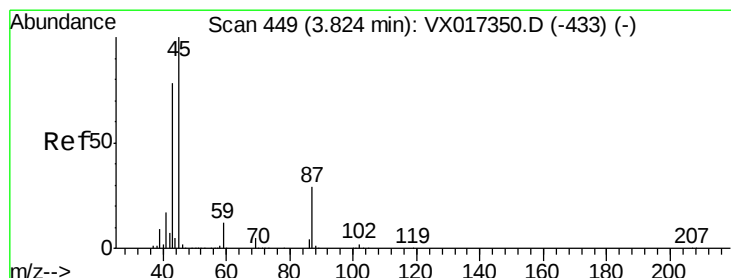
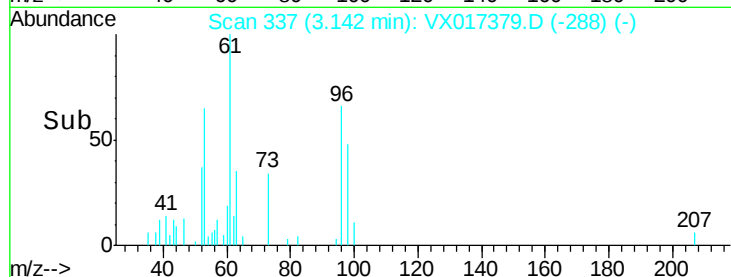
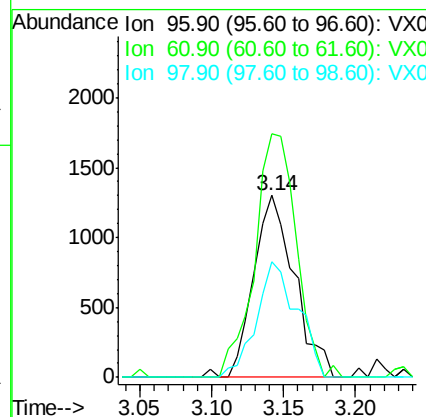
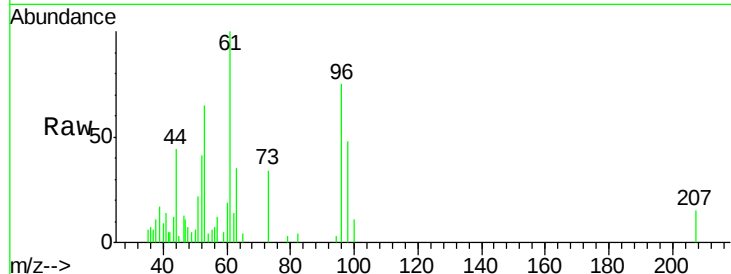
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	96	Resp:	2568
Ion	Ratio	Lower	Upper
96	100		
61	133.8	111.1	166.7
98	63.9	51.4	77.0

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#22

Diisopropyl ether

Concen: 0.429 ug/l

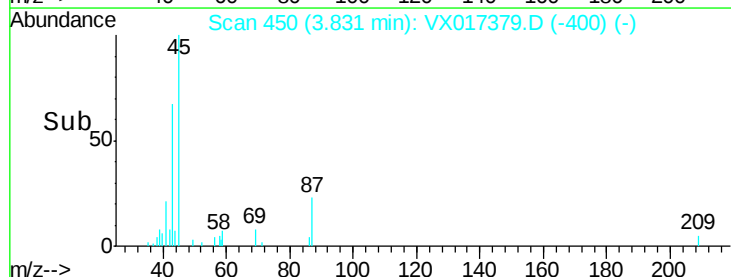
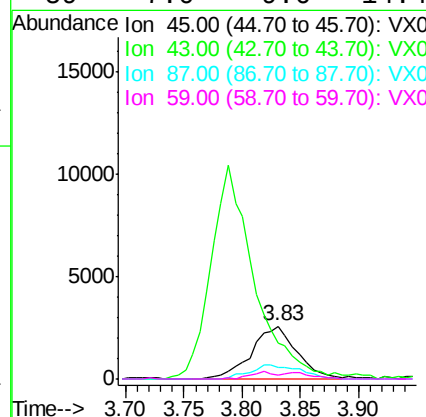
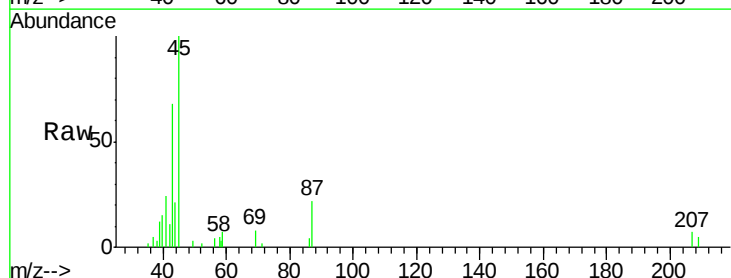
RT: 3.83 min Scan# 450

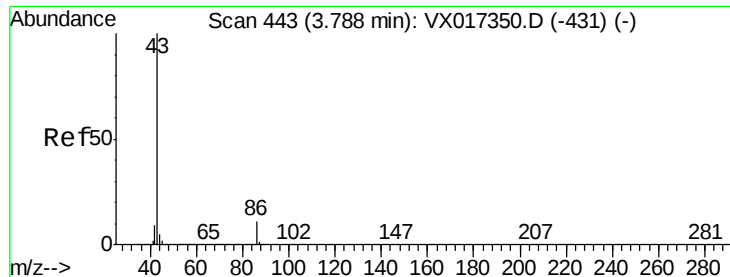
Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	45	Resp:	6964
Ion	Ratio	Lower	Upper
45	100		
43	61.4	62.2	93.2#
87	22.4	23.0	34.6#
59	7.0	9.6	14.4#





#23

Vinyl Acetate

Concen: 1.894 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 27015

Ion Ratio Lower Upper

43 100

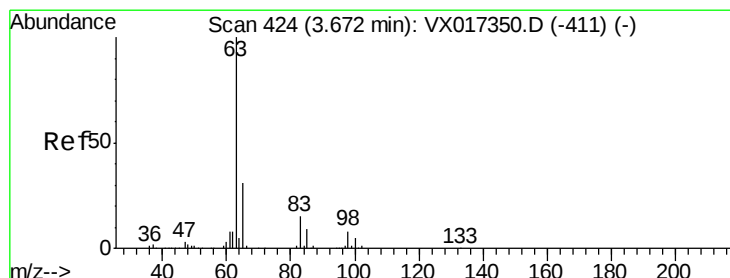
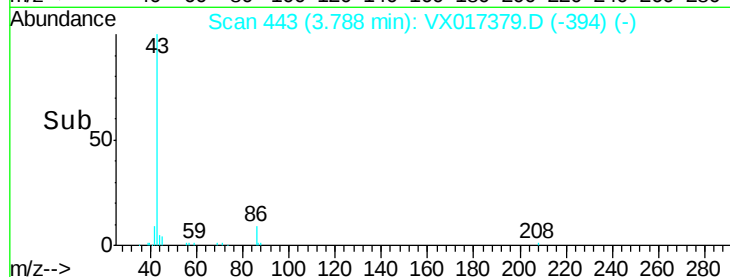
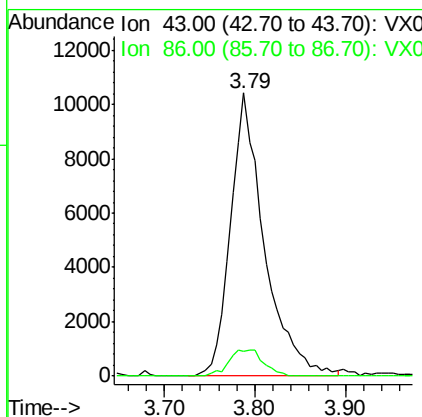
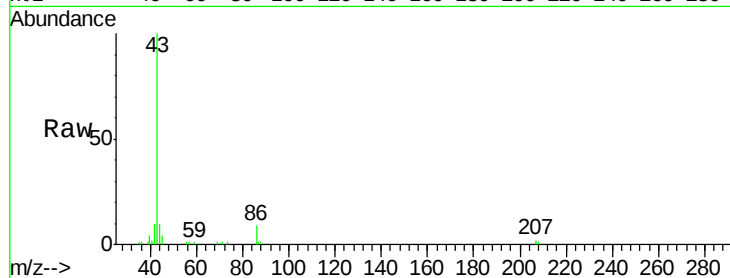
86 8.8 9.0 13.4#

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7/15/2020 11:43:42 AM



#24

1,1-Dichloroethane

Concen: 0.494 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

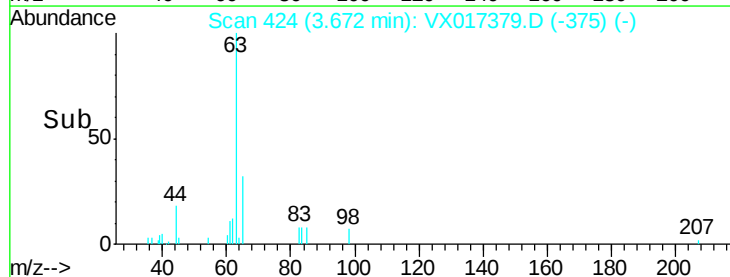
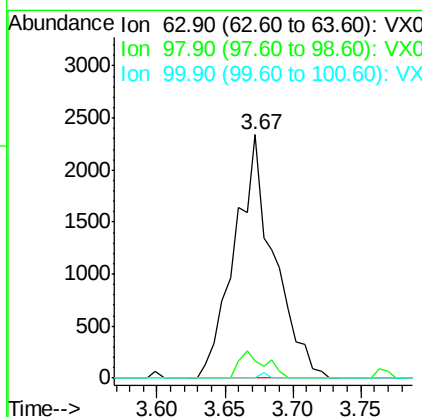
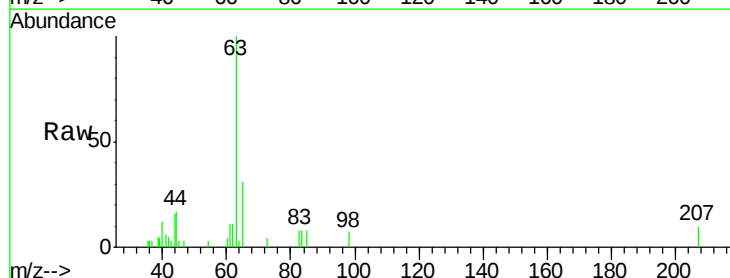
Tgt Ion: 63 Resp: 4707

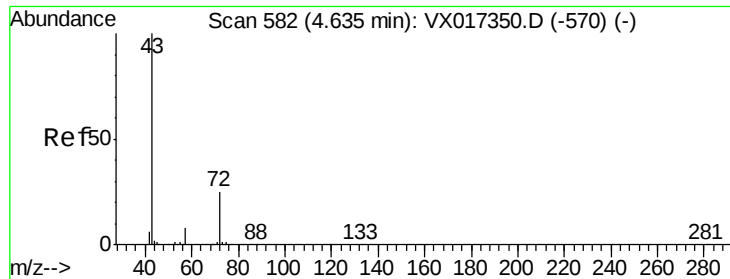
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 2.167 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 8319

Ion Ratio Lower Upper

43 100

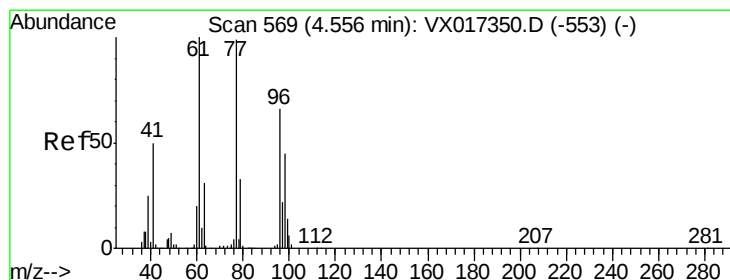
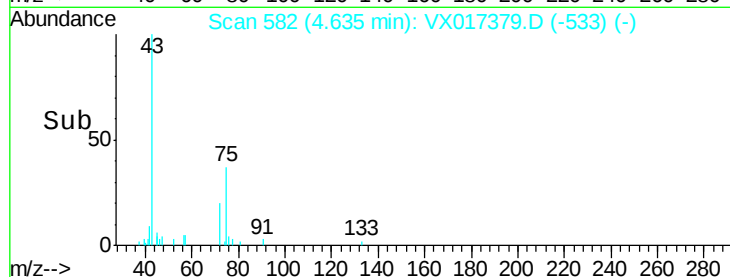
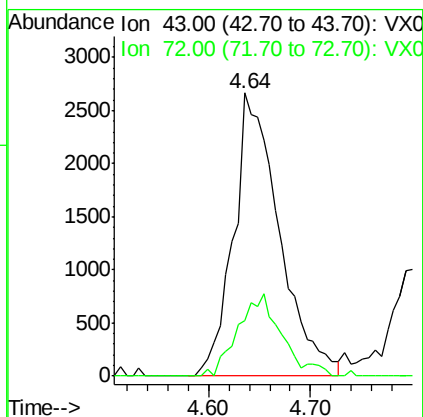
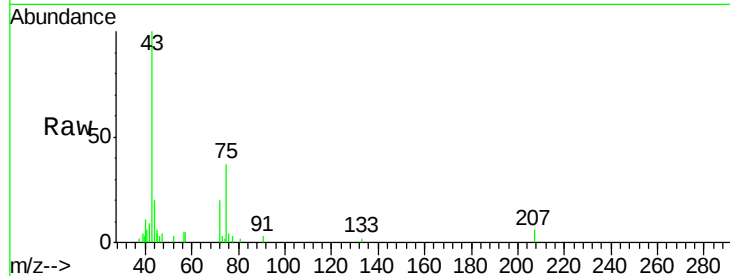
72 19.6 20.4 30.6#

Manual Integrations

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7/15/2020 11:43:42 AM



#26

2,2-Dichloropropane

Concen: 0.415 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.00 min

Lab File: VX017379.D

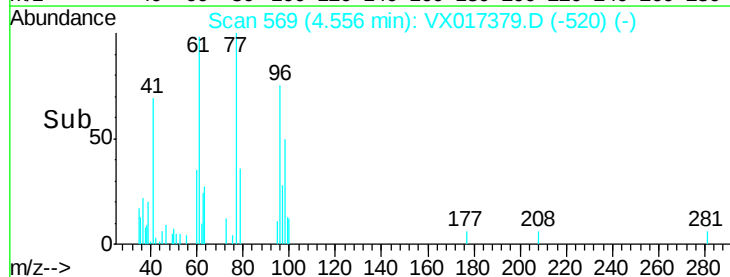
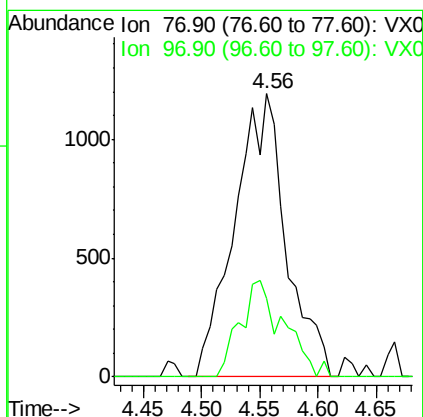
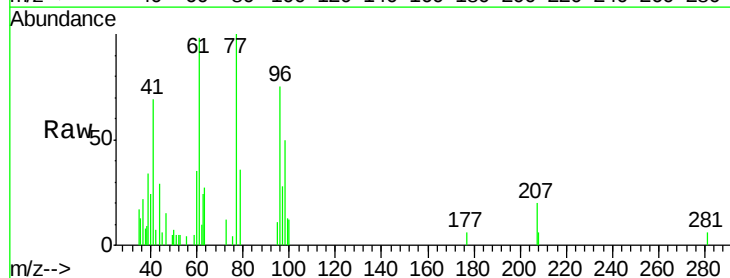
Acq: 14 Jul 2020 15:19

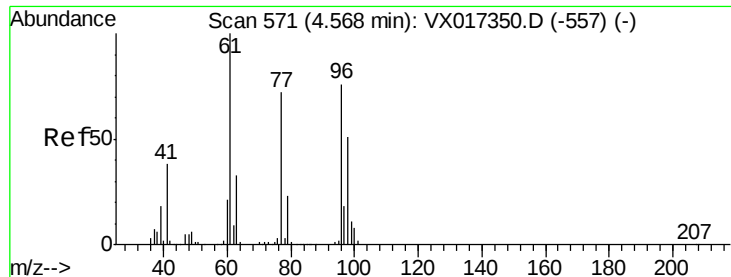
Tgt Ion: 77 Resp: 3677

Ion Ratio Lower Upper

77 100

97 28.9 11.1 33.3





#27

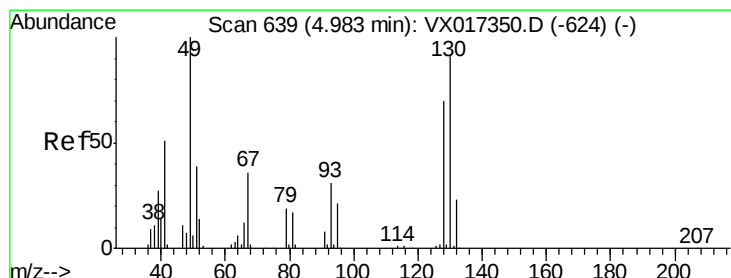
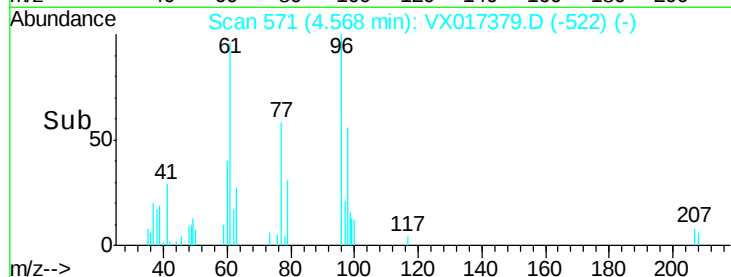
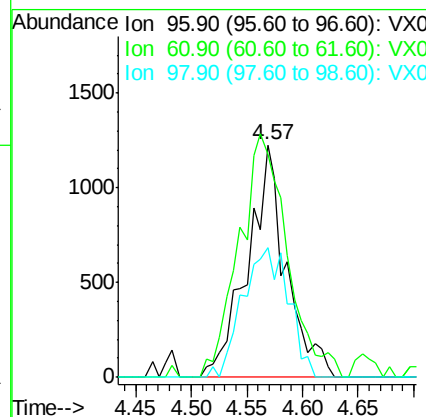
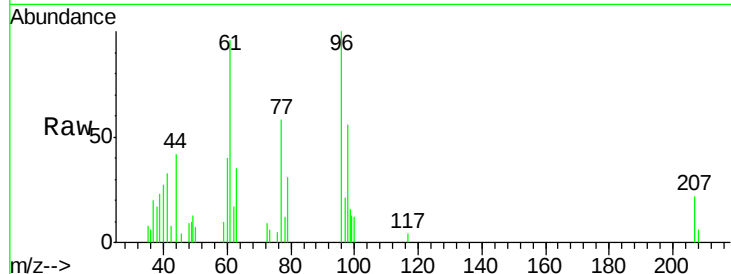
cis-1,2-Dichloroethene
Concen: 0.480 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	281.2
98	66.0	0.0	131.4

Manual Integrations
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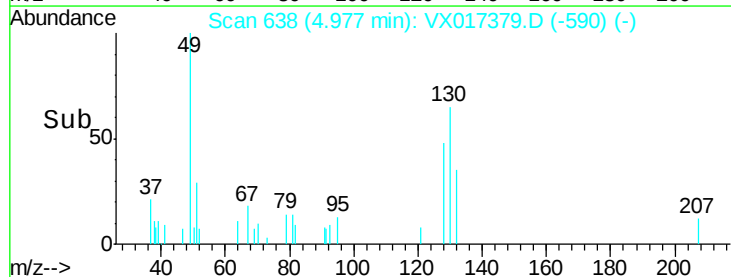
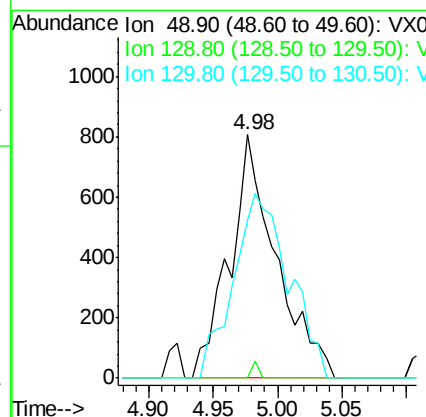
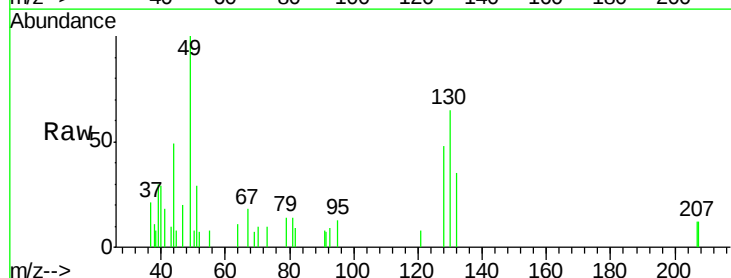
MMDadoda
7/15/2020 11:43:42 AM

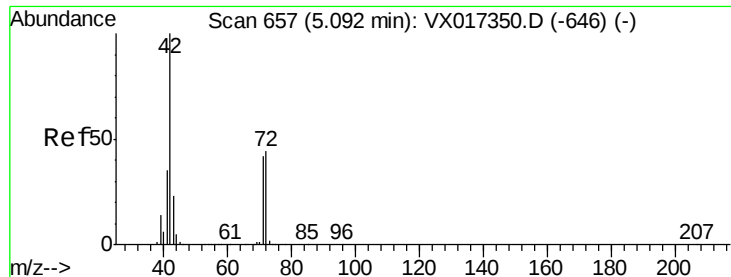


#28

Bromochloromethane
Concen: 0.462 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.8
130	89.9	71.1	106.7





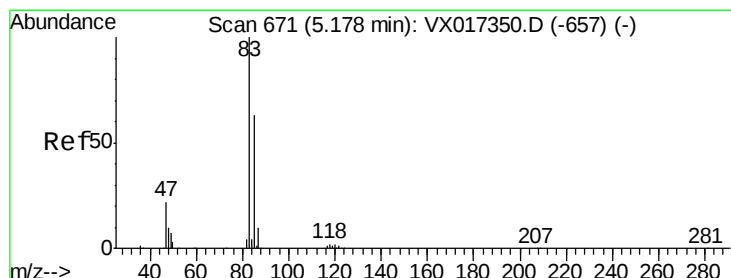
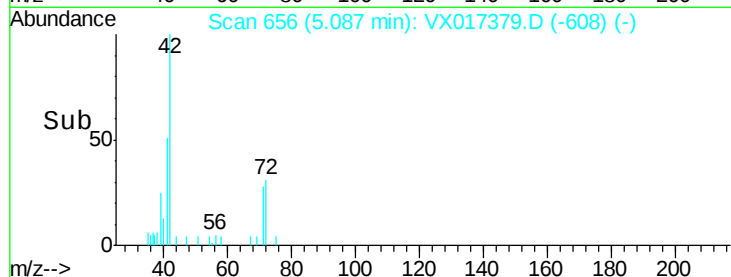
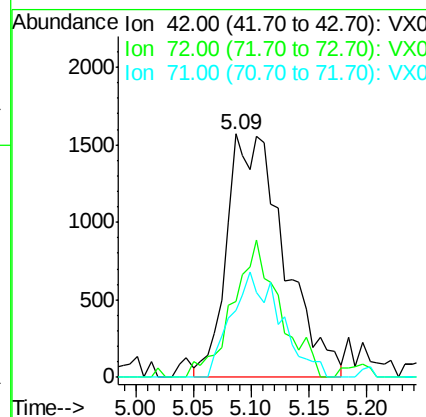
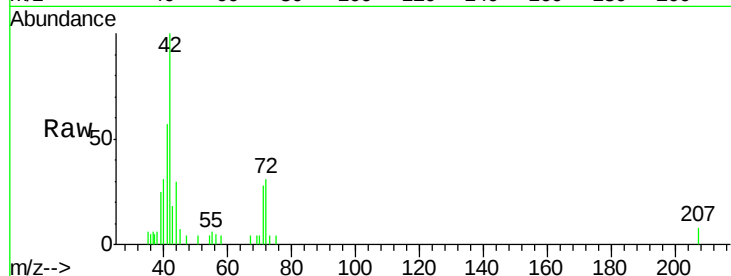
#29
Tetrahydrofuran
Concen: 2.182 ug/l m
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.2	55.8
71	37.0	34.4	51.6

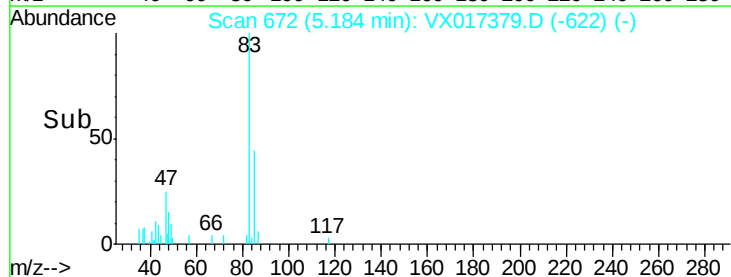
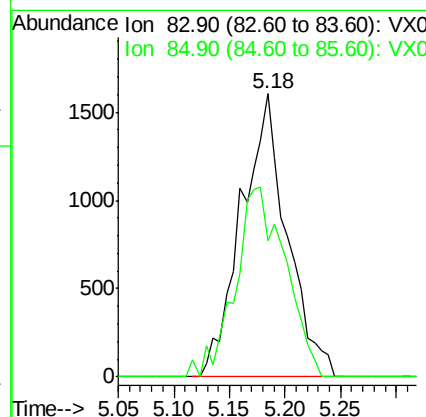
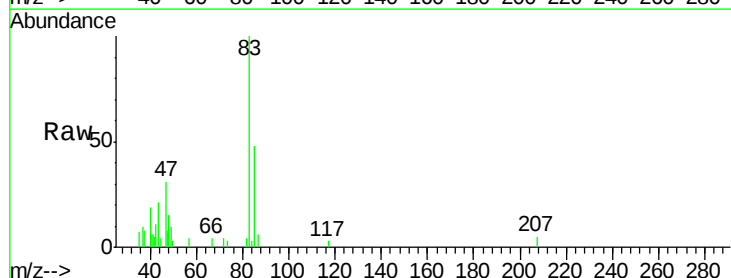
Manual Integrations
APPROVED

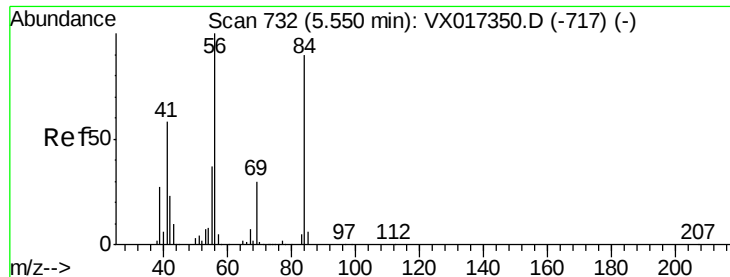
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7/15/2020 11:43:42 AM



#30
Chloroform
Concen: 0.447 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	48.3	50.2	75.4#





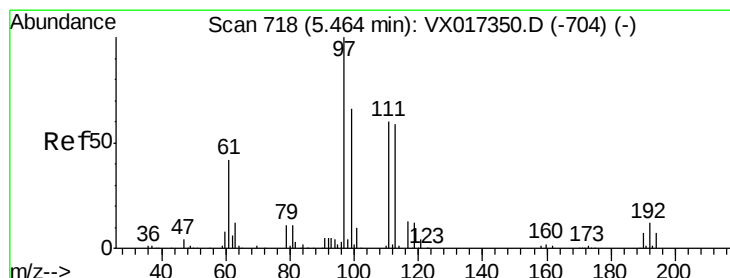
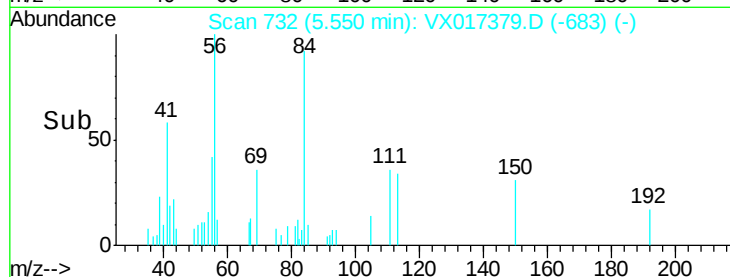
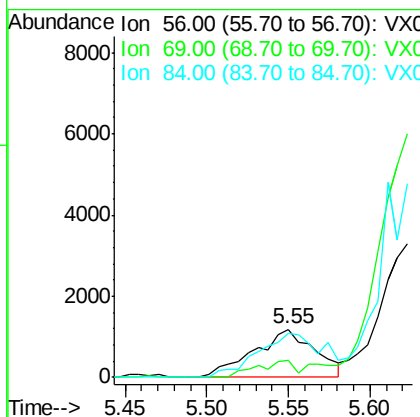
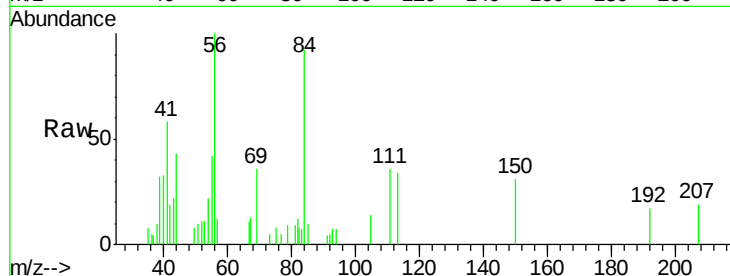
#31
Cvclohexane
Concen: 0.397 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	23.7	35.5#
84	91.7	71.8	107.6

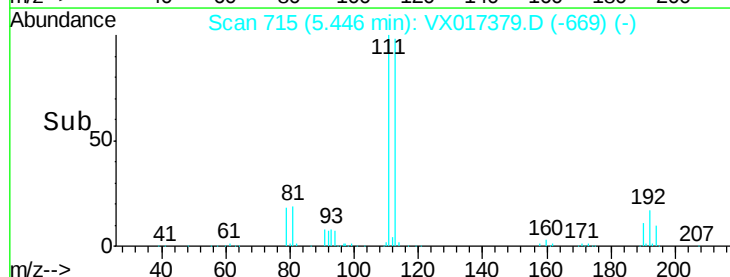
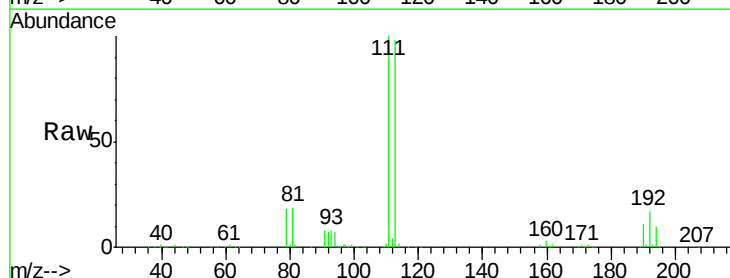
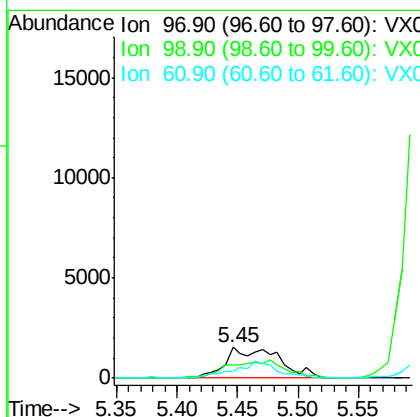
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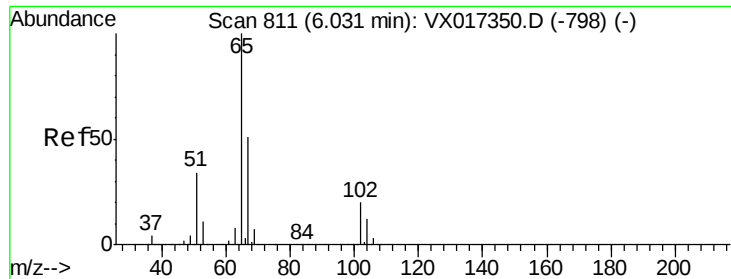
MMDadoda
7/15/2020 11:43:42 AM



#32
1,1,1-Trichloroethane
Concen: 0.489 ug/l m
RT: 5.45 min Scan# 715
Delta R.T. -0.02 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	43.3	32.7	49.1





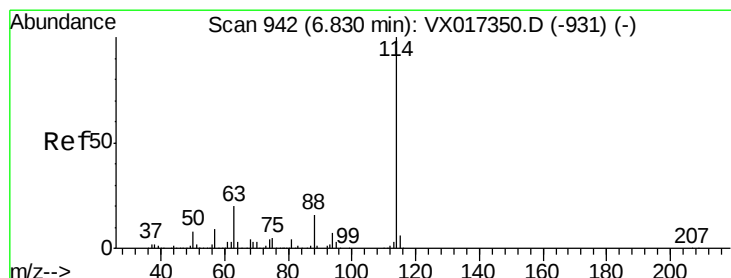
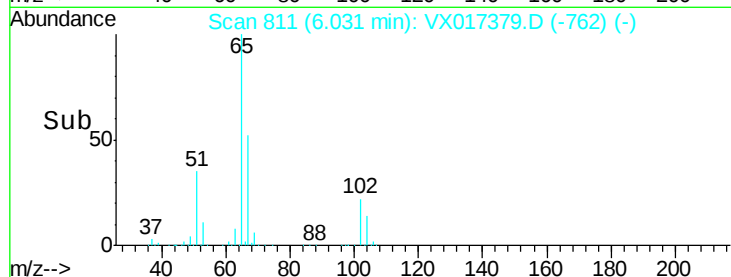
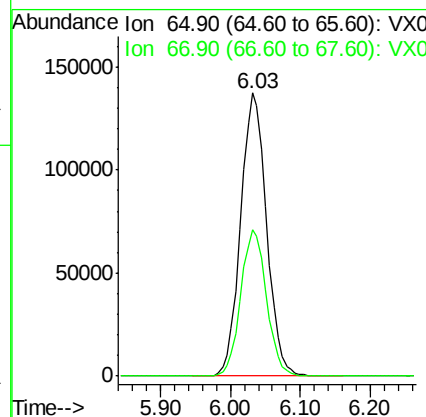
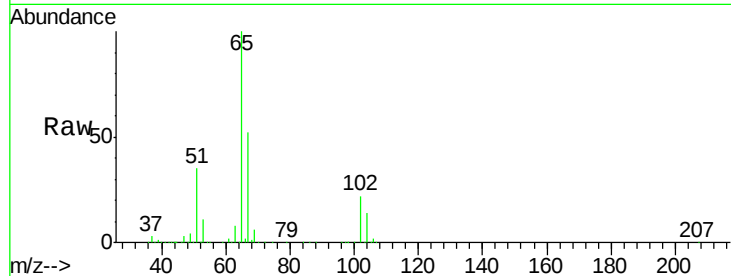
#33
 1,2-Dichloroethane-d4
 Concen: 52.157 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	101.6	

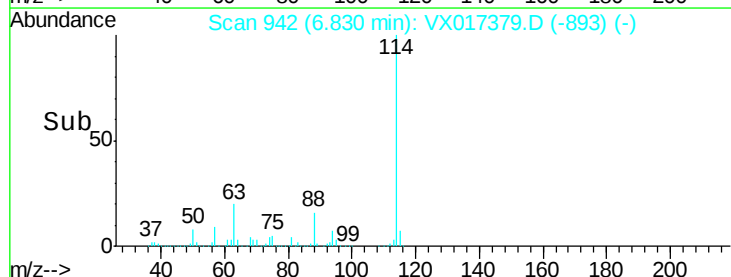
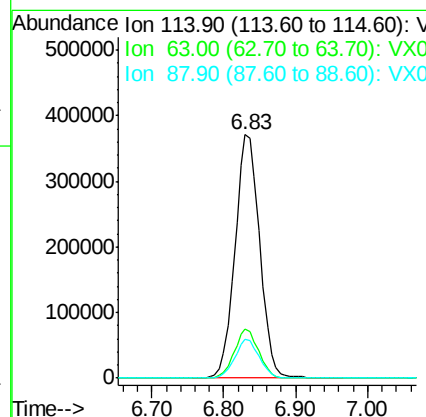
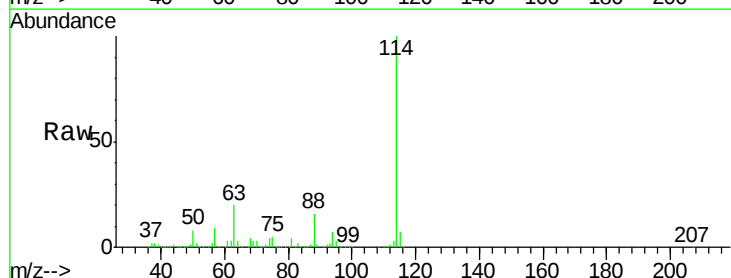
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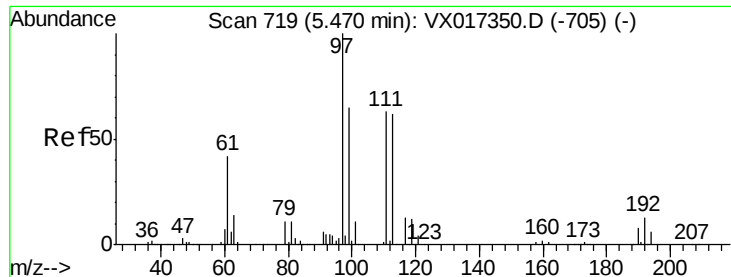
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.0	
88	16.2	0.0	32.8	





#35

Dibromofluoromethane

Concen: 49.914 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

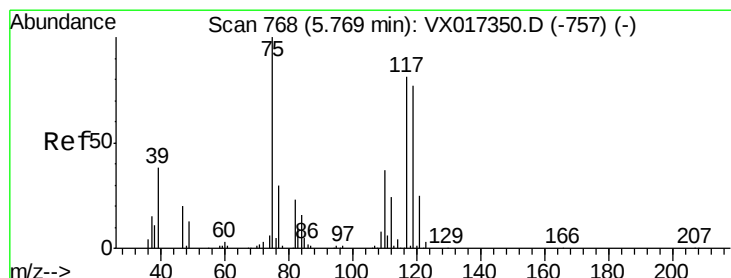
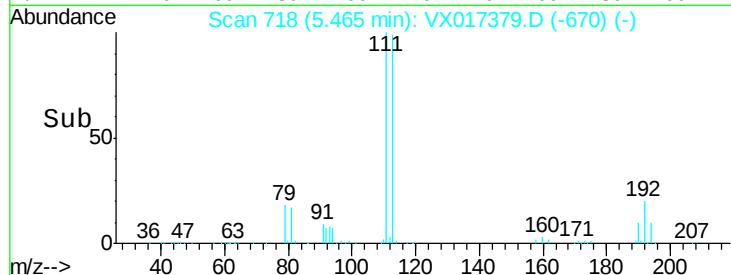
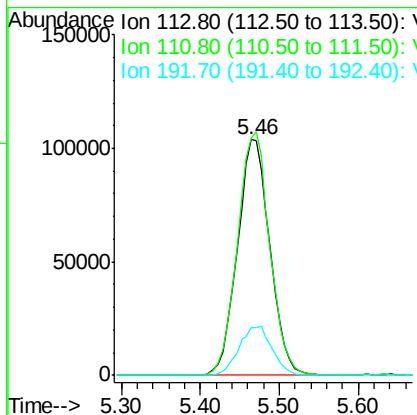
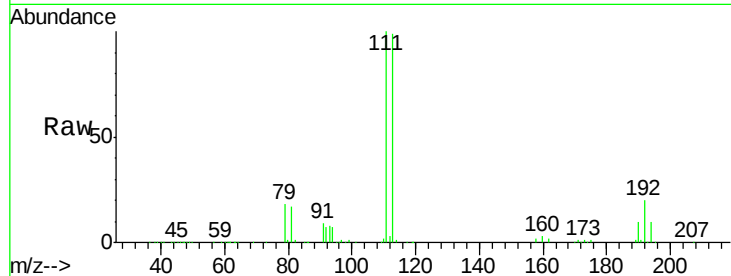
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	113	Resp:	297106
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.4	123.6
192	21.2	17.2	25.8

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#36

1,1-Dichloropropene

Concen: 0.439 ug/l

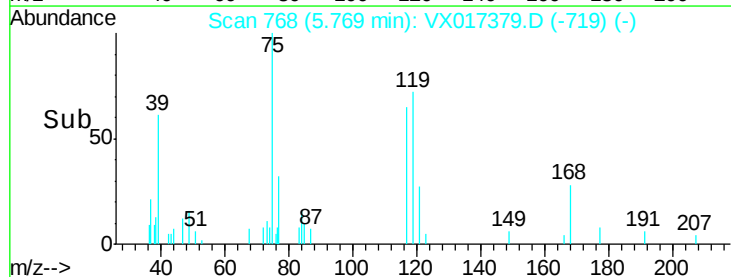
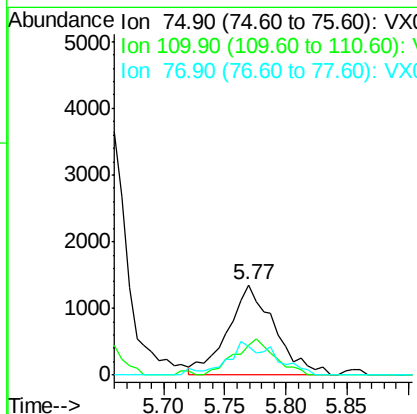
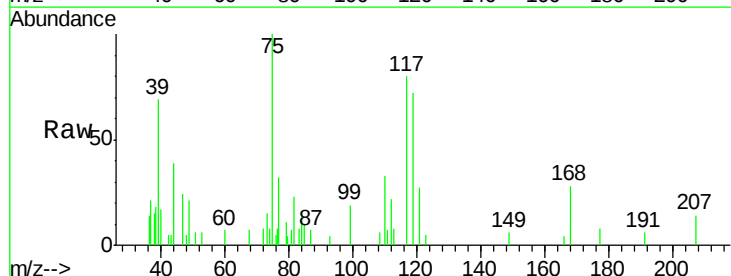
RT: 5.77 min Scan# 768

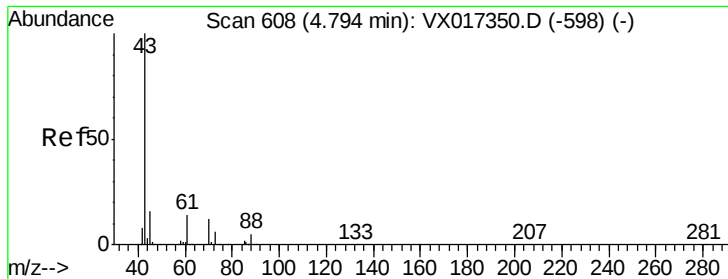
Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	75	Resp:	3567
Ion Ratio	Lower	Upper	
75	100		
110	34.5	18.6	55.8
77	37.6	24.9	37.3#





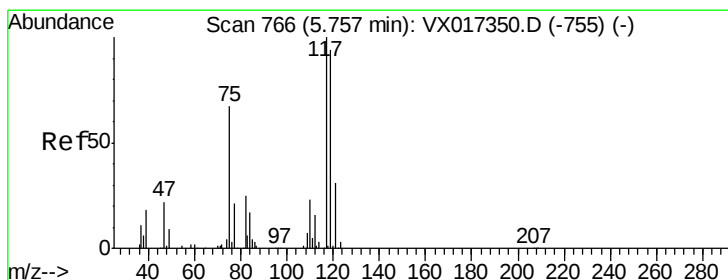
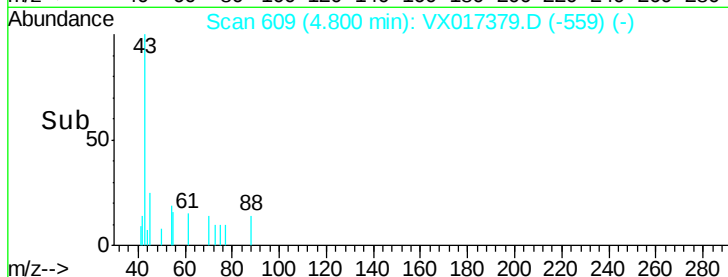
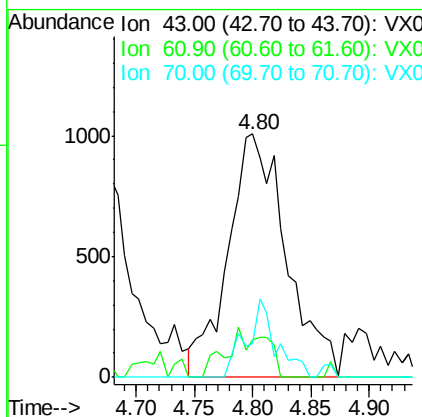
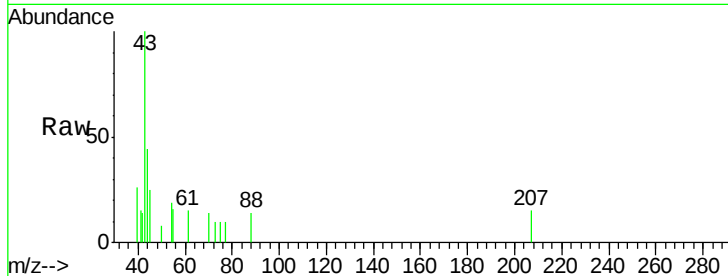
#37
Ethyl Acetate
Concen: 0.418 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	7.2	10.7	16.1#
70	16.5	9.0	13.6#

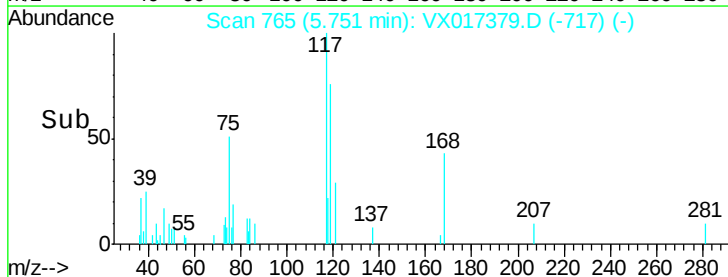
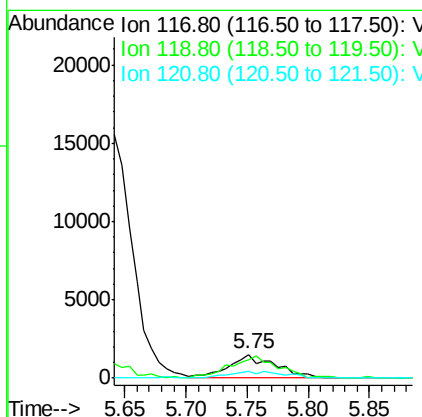
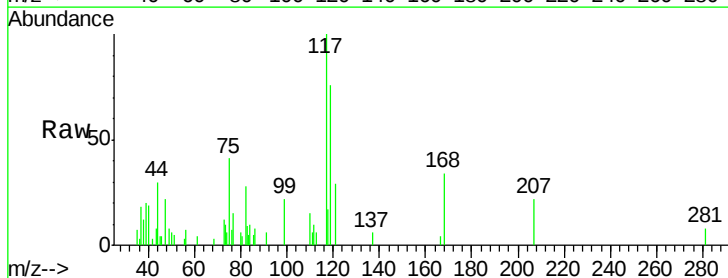
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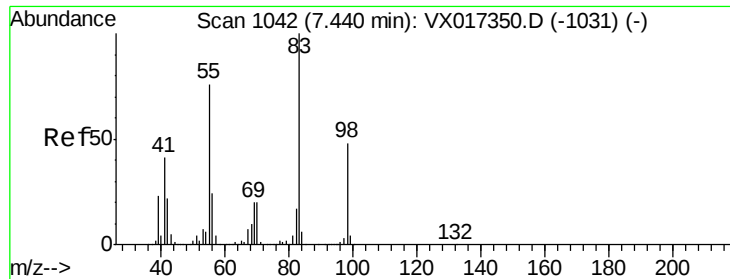
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#38
Carbon Tetrachloride
Concen: 0.425 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	76.2	74.7	112.1
121	29.5	24.5	36.7





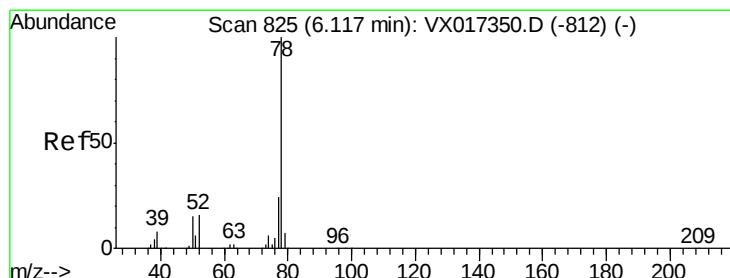
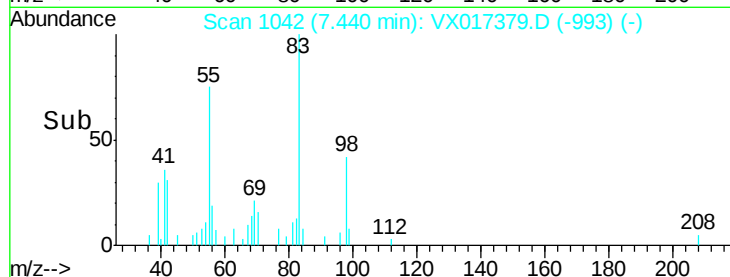
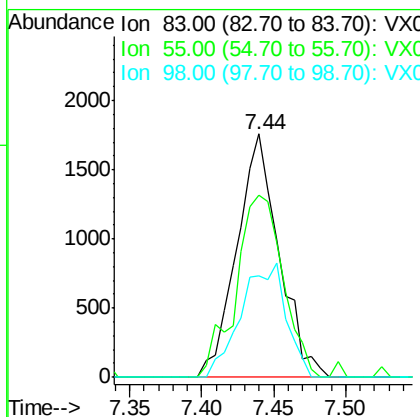
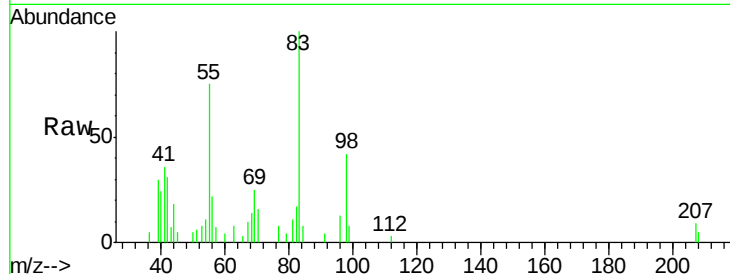
#39
Methvlcvclohexane
Concen: 0.405 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.2	91.8
98	42.0	38.1	57.1

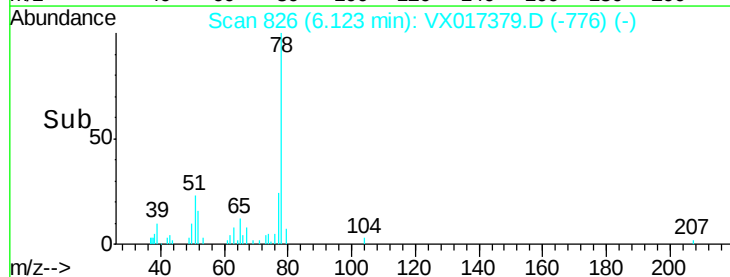
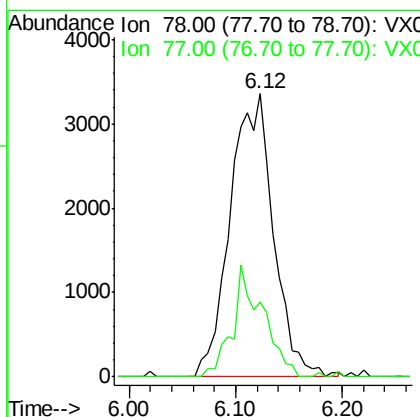
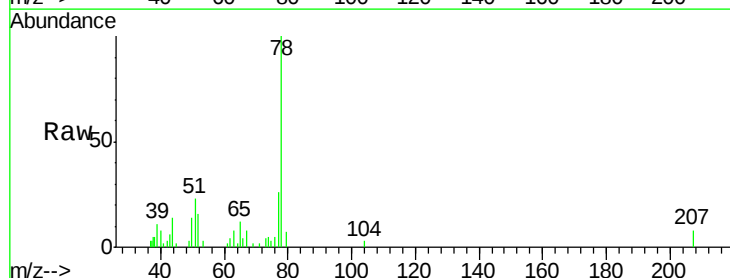
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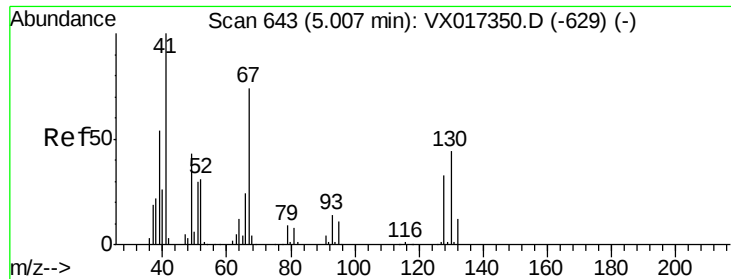
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#40
Benzene
Concen: 0.409 ug/l
RT: 6.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	18.9	28.3





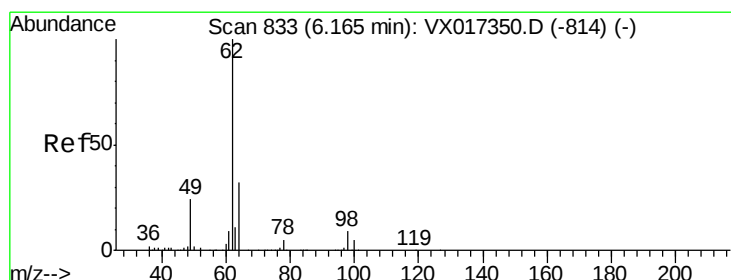
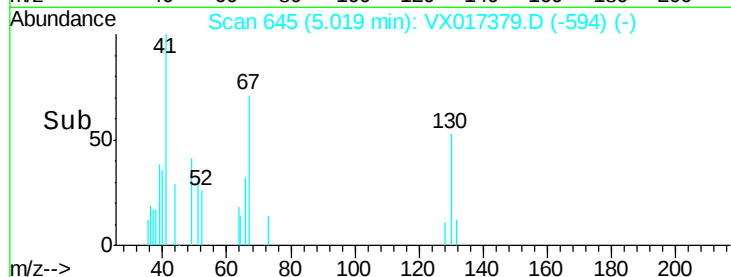
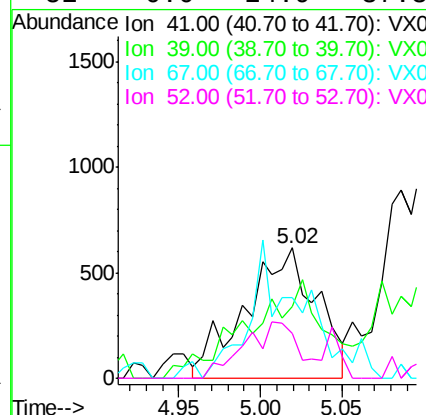
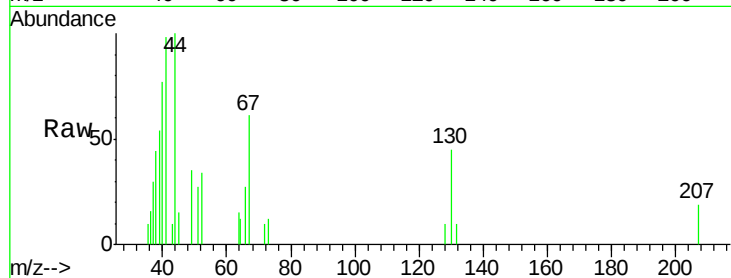
#41
Methacrylonitrile
Concen: 0.413 ug/l
RT: 5.02 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.2	43.8	65.8#
67	0.0	58.7	88.1#
52	0.0	24.9	37.3#

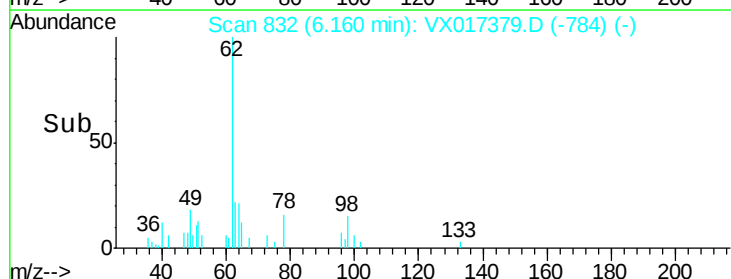
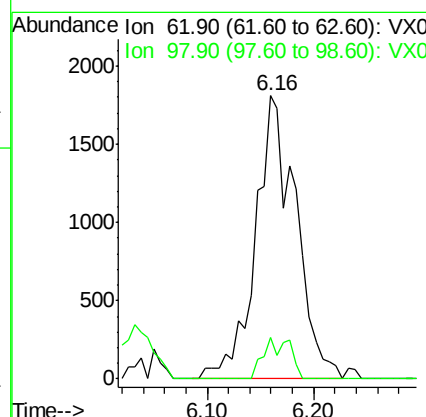
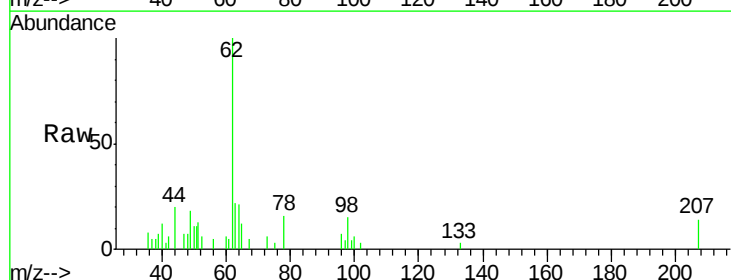
Manual Integrations
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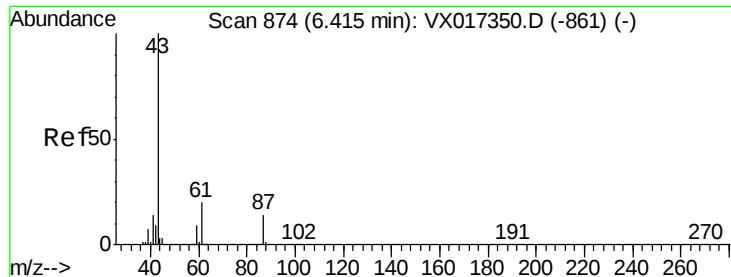
MMDadoda
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#42
1,2-Dichloroethane
Concen: 0.528 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	19.4





#43

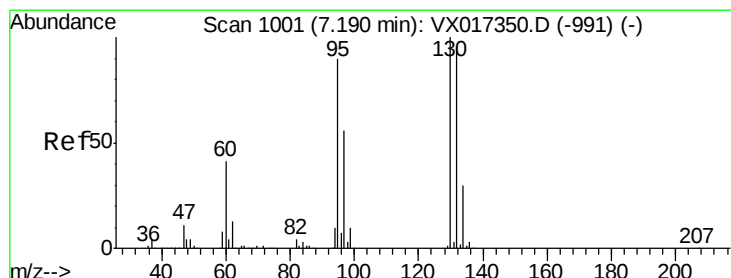
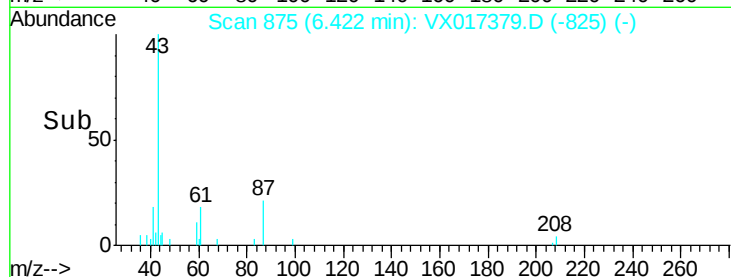
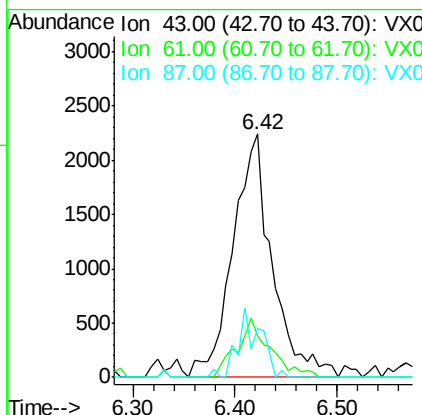
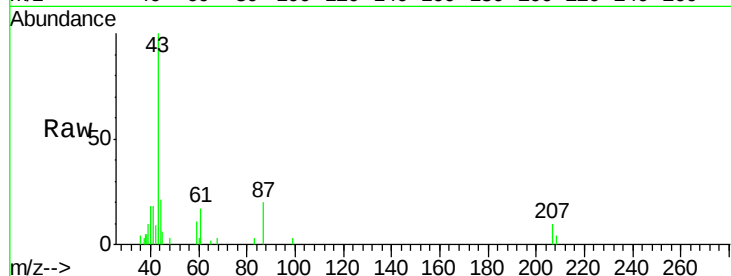
Isopropyl Acetate
 Concen: 0.445 ug/l
 RT: 6.42 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.4	24.6
87	16.3	11.2	16.8

Manual Integrations
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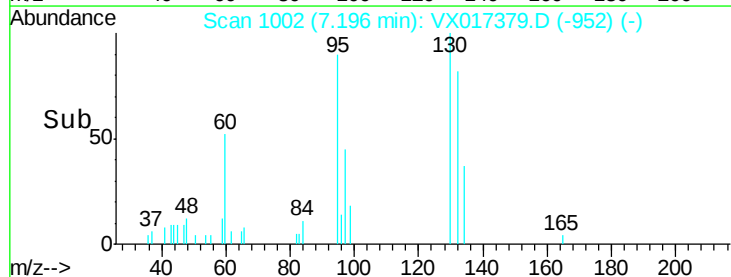
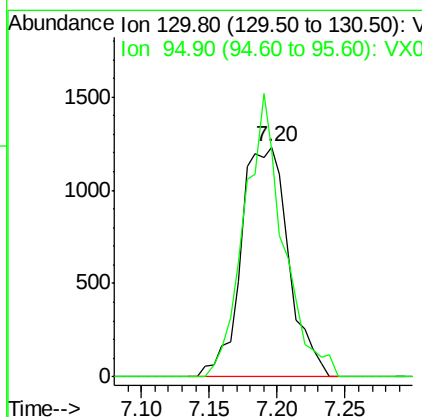
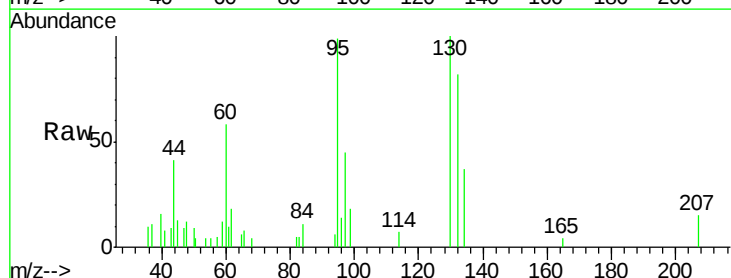
MMDadoda
 7/15/2020 11:43:42 AM

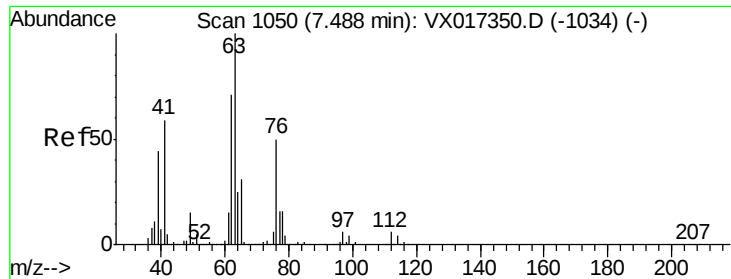


#44

Trichloroethene
 Concen: 0.422 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	180.2





#45

1,2-Dichloropropane

Concen: 0.435 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 63 Resp: 2599

Ion Ratio Lower Upper

63 100

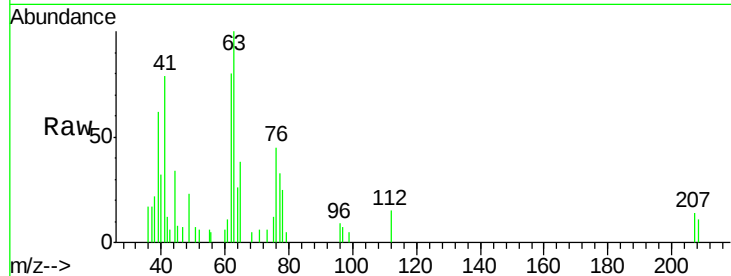
65 37.8 24.5 36.7#

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

1200

1000

800

600

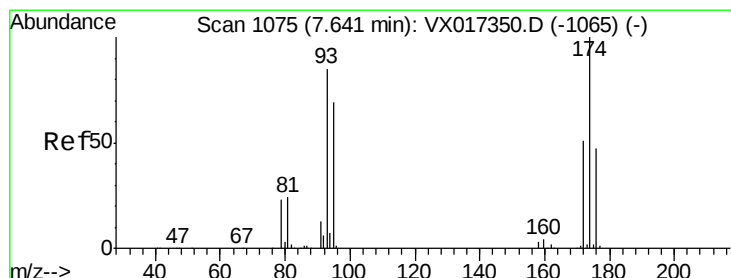
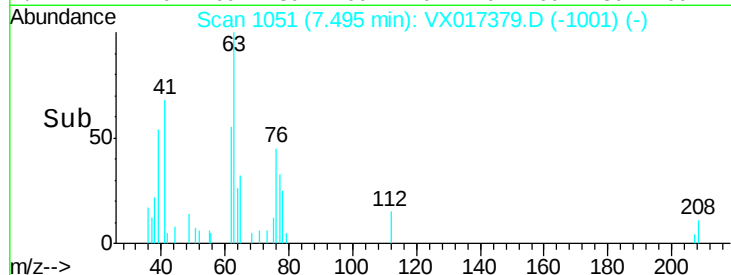
400

200

0

7.40 7.45 7.50 7.55

Time-->



#46

Dibromomethane

Concen: 0.445 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

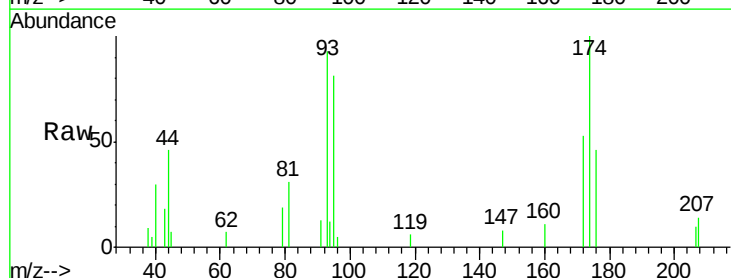
Tgt Ion: 93 Resp: 1920

Ion Ratio Lower Upper

93 100

95 80.0 65.4 98.2

174 97.7 91.2 136.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

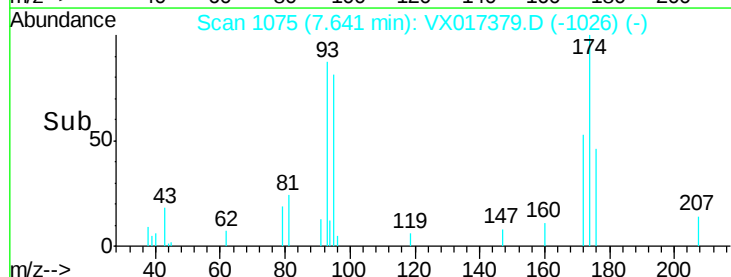
1000

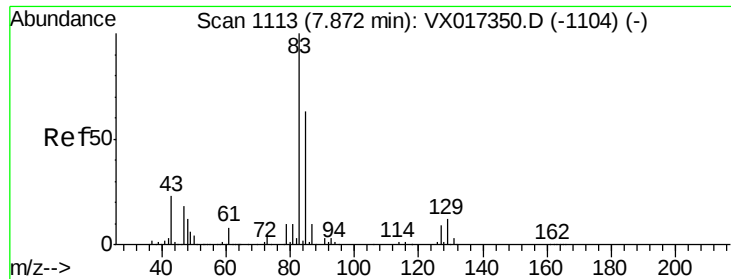
500

0

7.55 7.60 7.65 7.70

Time-->





#47

Bromodichloromethane

Concen: 0.412 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

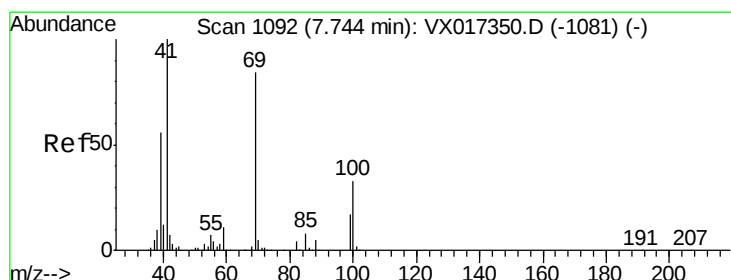
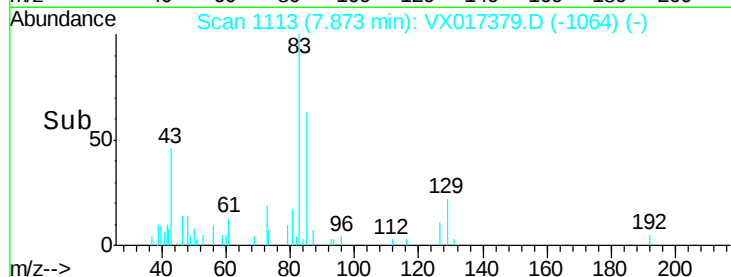
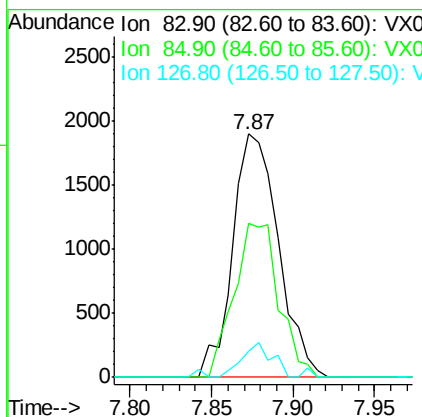
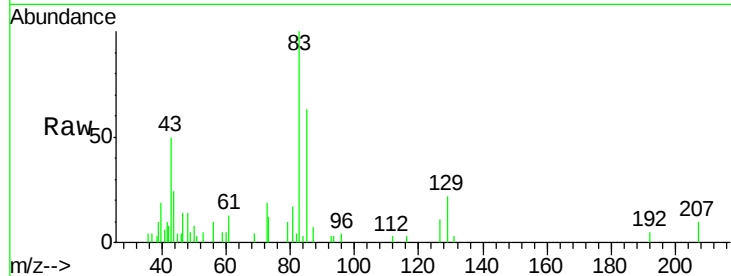
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	83	Resp:	3710
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.4
127	10.6	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.374 ug/l

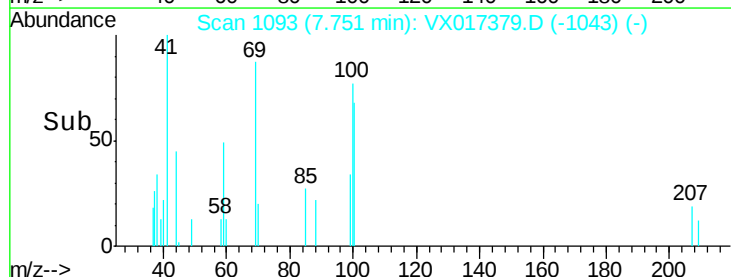
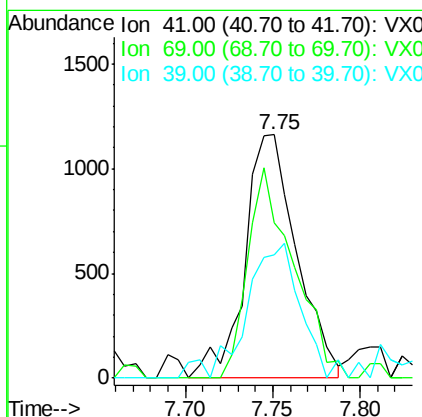
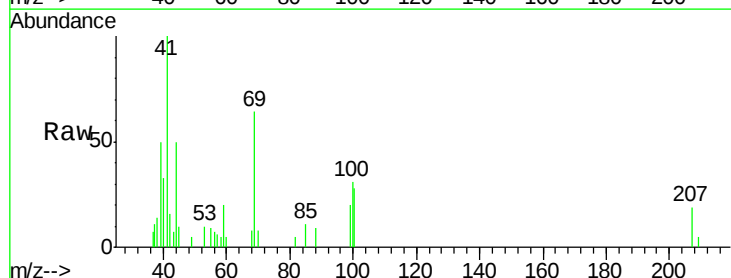
RT: 7.75 min Scan# 1093

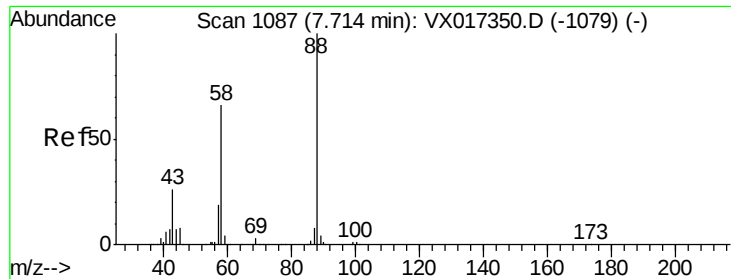
Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	41	Resp:	2411
Ion	Ratio	Lower	Upper
41	100		
69	76.4	67.8	101.6
39	58.1	45.1	67.7





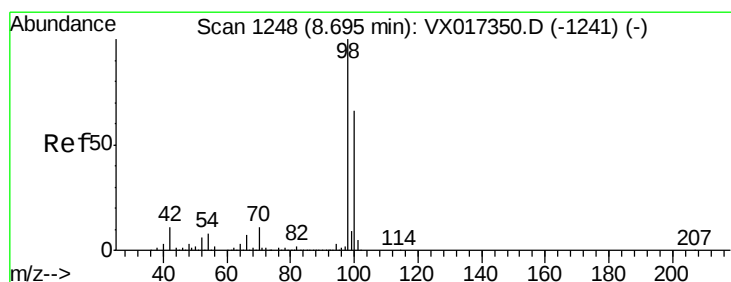
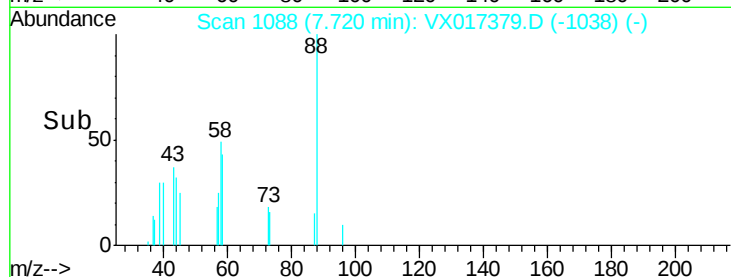
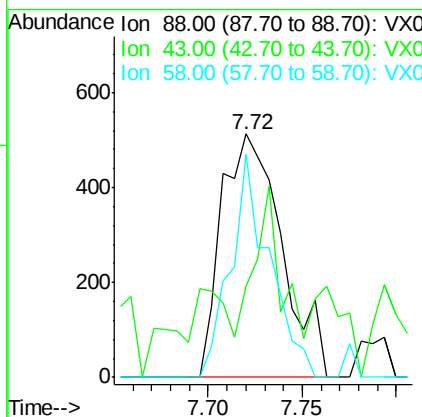
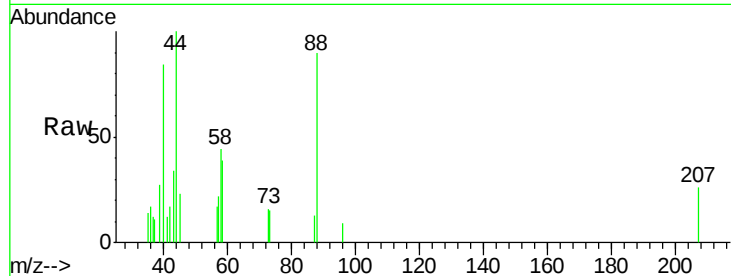
#49
1,4-Dioxane
Concen: 8.613 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.9	25.6	38.4#
58	58.9	53.9	80.9

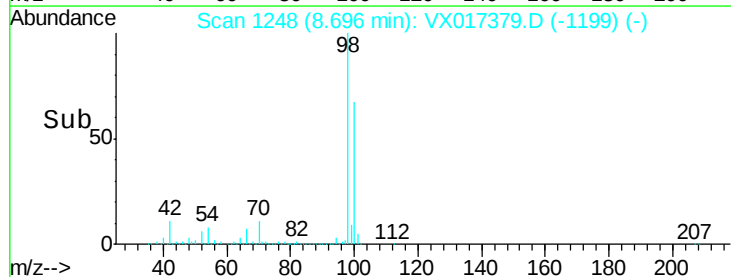
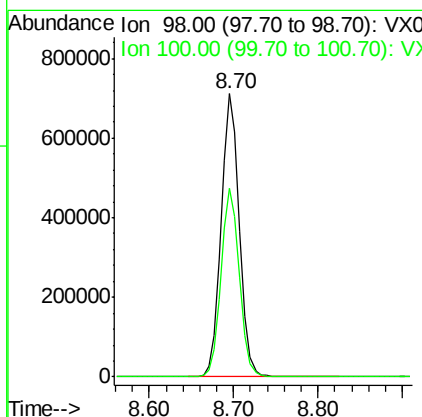
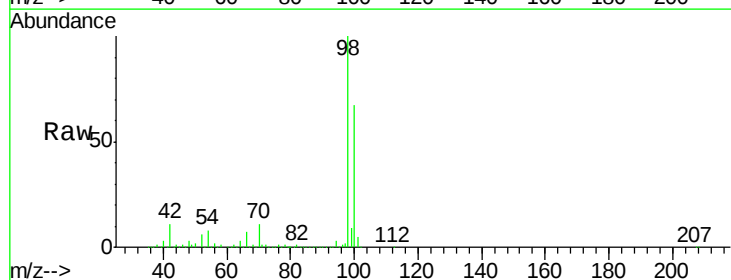
Manual Integrations
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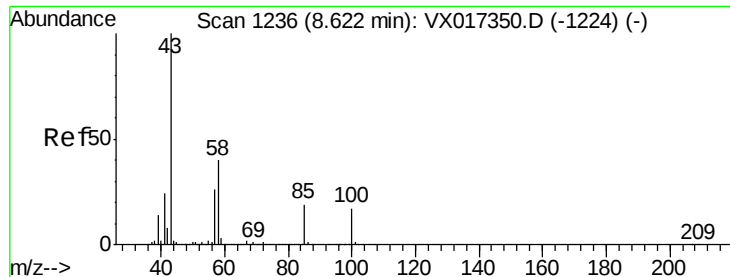
MMDadoda
7/15/2020 11:43:42 AM



#50
Toluene-d8
Concen: 49.513 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 1.662 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 13614

Ion Ratio Lower Upper

43 100

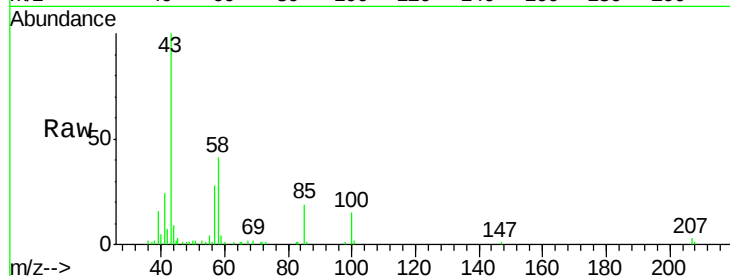
58 37.8 32.2 48.2

Manual Integrations

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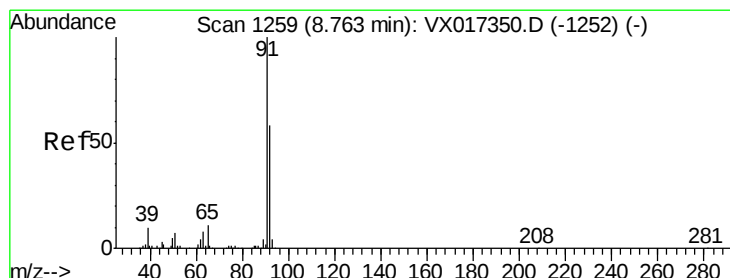
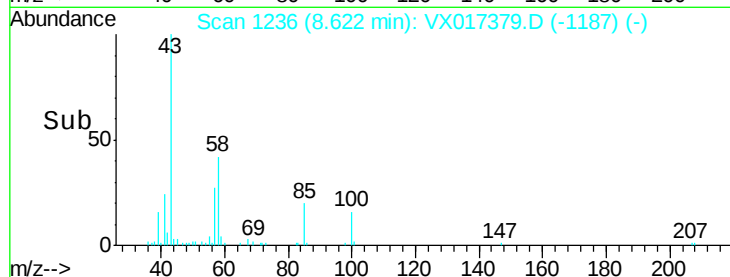
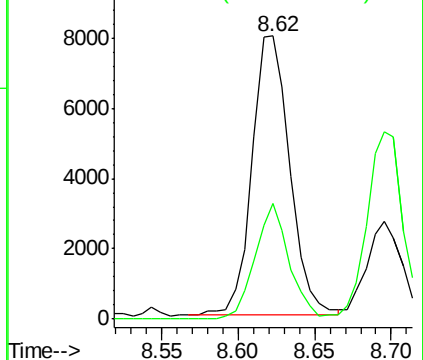
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 0.415 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017379.D

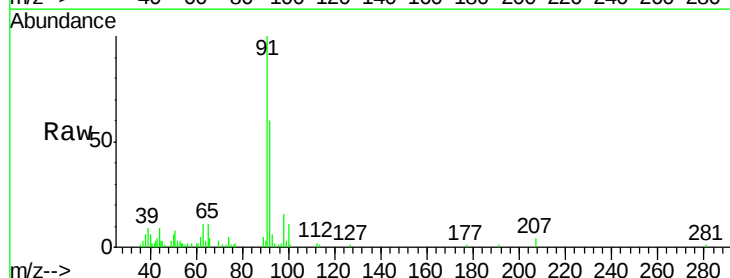
Acq: 14 Jul 2020 15:19

Tgt Ion: 92 Resp: 6223

Ion Ratio Lower Upper

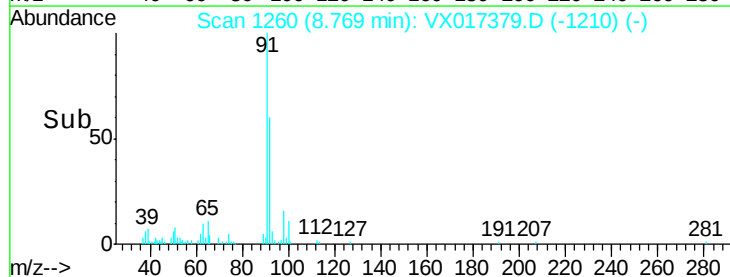
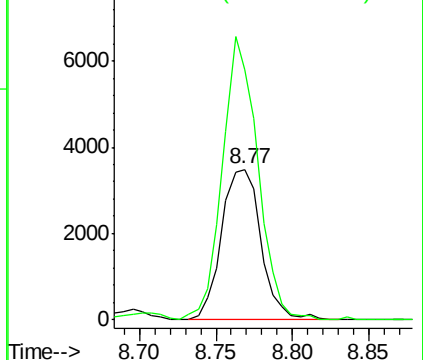
92 100

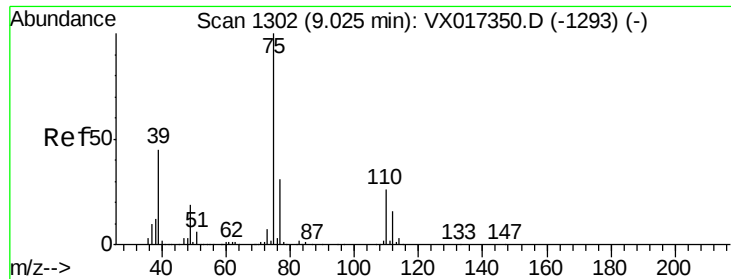
91 169.1 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 0.393 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 75 Resp: 3819

Ion Ratio Lower Upper

75 100

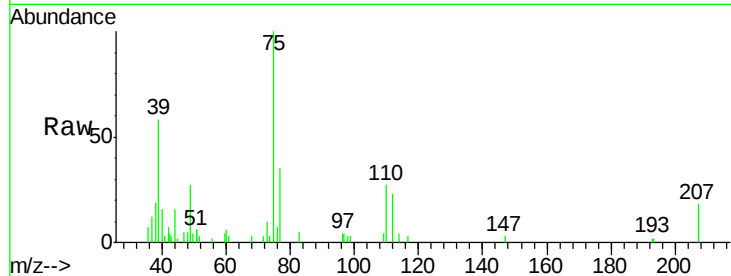
77 34.9 25.0 37.6

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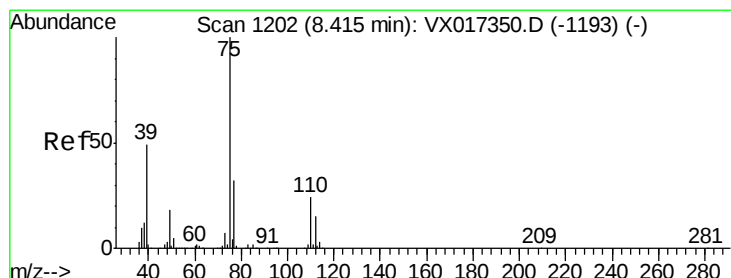
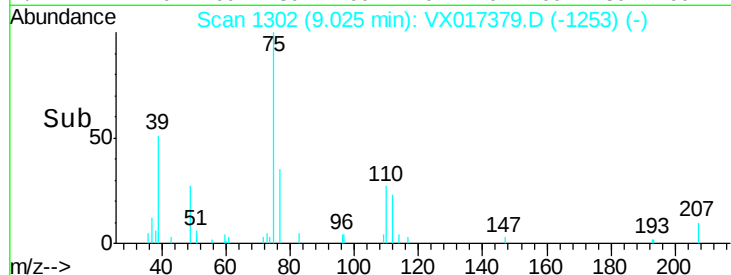
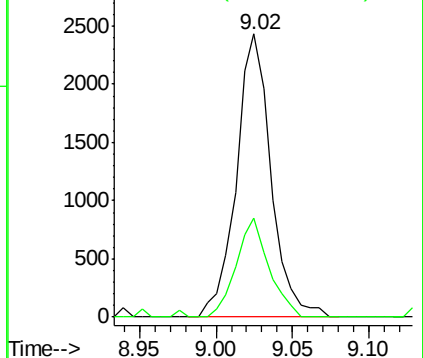
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.346 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

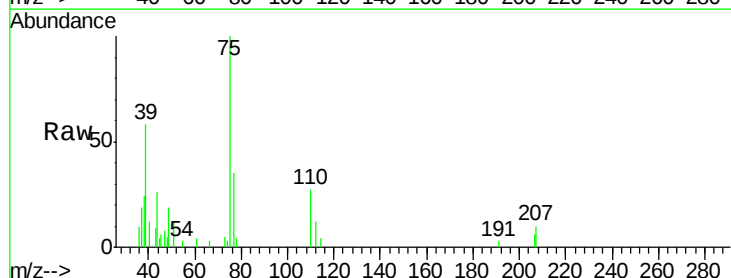
Tgt Ion: 75 Resp: 3578

Ion Ratio Lower Upper

75 100

77 35.1 25.3 37.9

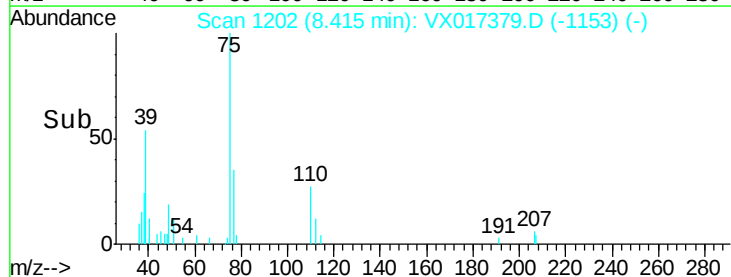
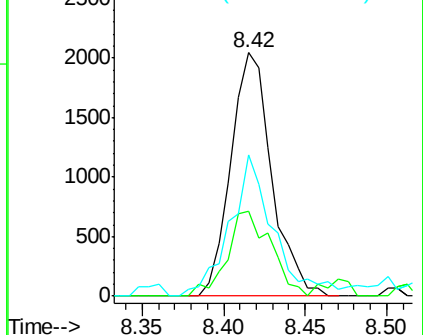
39 55.1 38.9 58.3

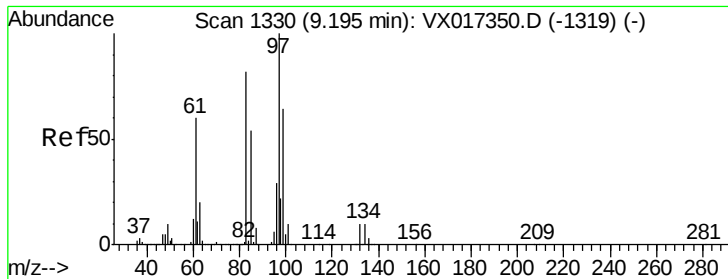


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





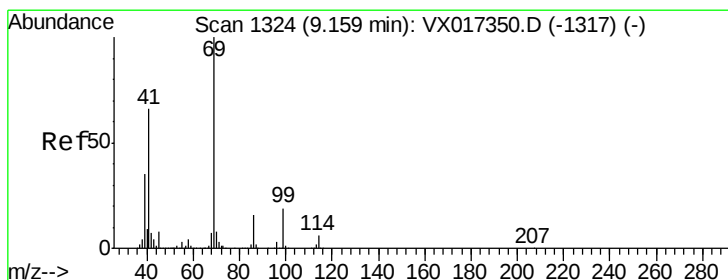
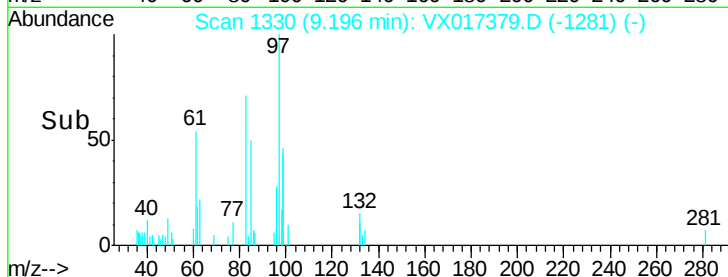
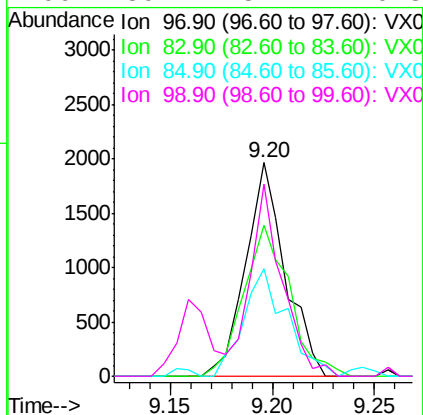
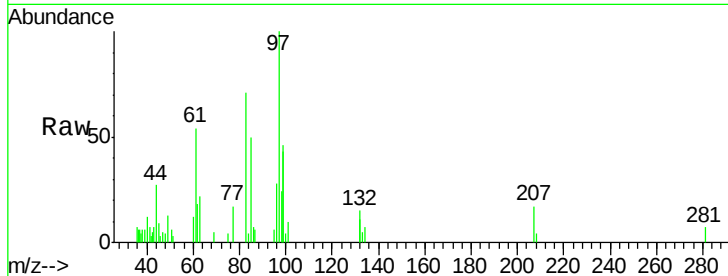
#55
 1,1,2-Trichloroethane
 Concen: 0.425 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
97	100		
83	70.9	65.8	98.6
85	50.2	42.8	64.2
99	89.7	51.2	76.8#

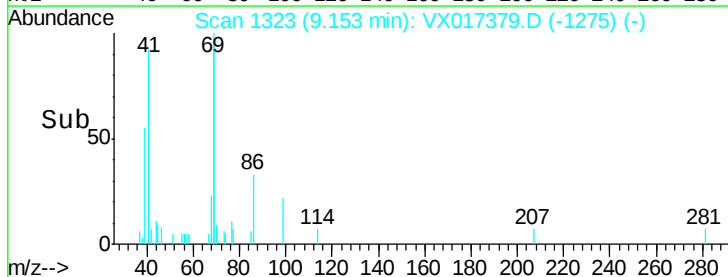
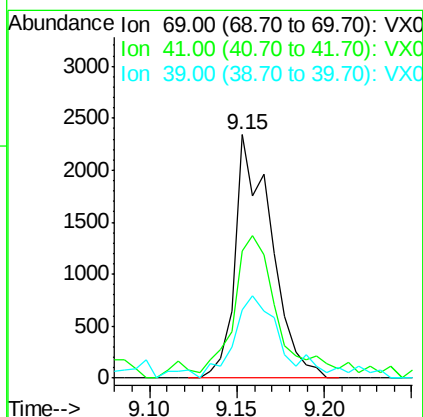
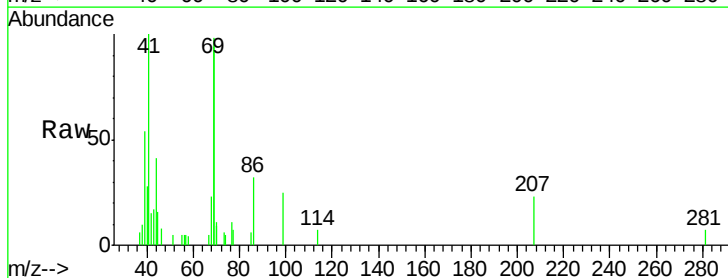
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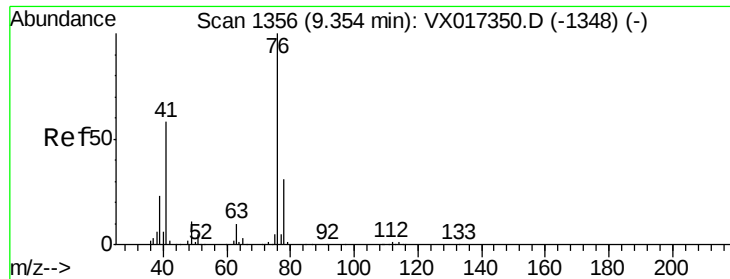
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 7/15/2020 11:43:42 AM



#56
 Ethyl methacrylate
 Concen: 0.380 ug/l
 RT: 9.15 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.9	52.6	78.8
39	43.3	28.8	43.2#





#57

1,3-Dichloropropane

Concen: 0.392 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 76 Resp: 4081

Ion Ratio Lower Upper

76 100

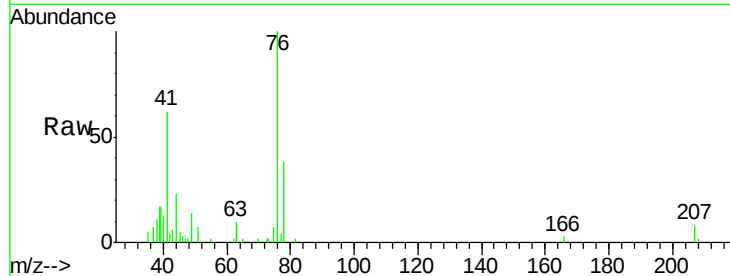
78 38.8 25.8 38.6#

Manual Integrations

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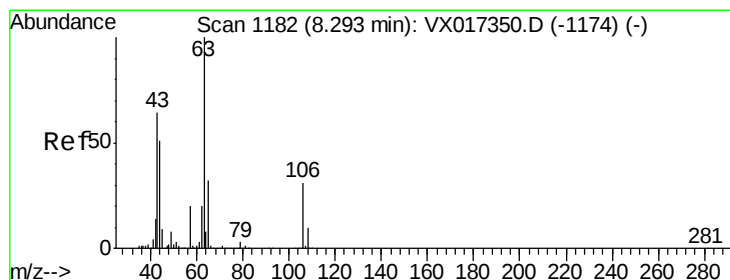
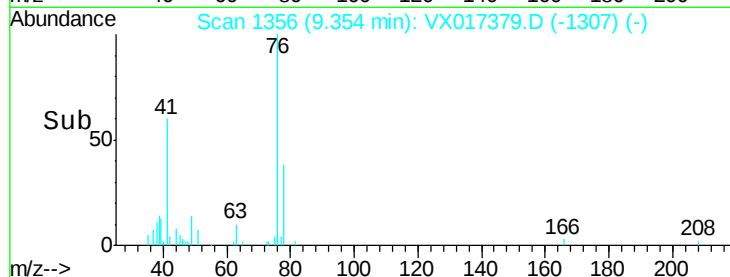
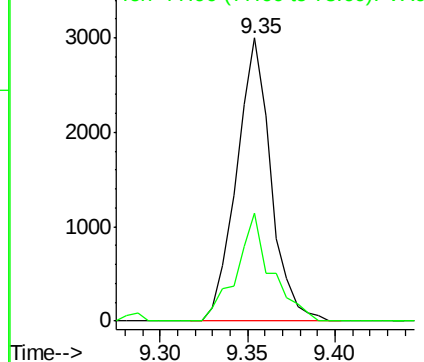
MMDadoda

7/15/2020 11:43:42 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: 1.395 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017379.D

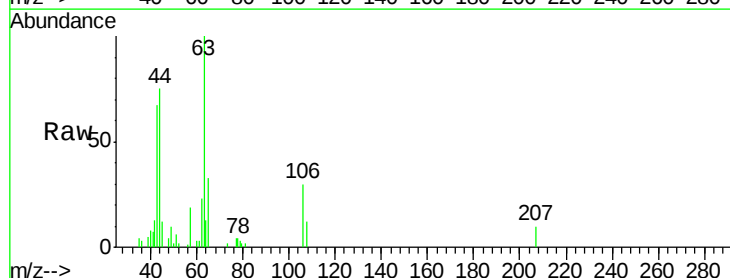
Acq: 14 Jul 2020 15:19

Tgt Ion: 63 Resp: 6286

Ion Ratio Lower Upper

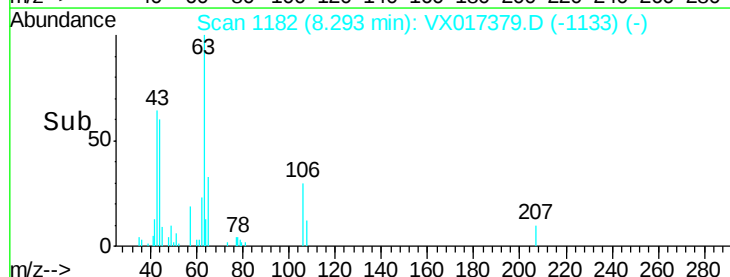
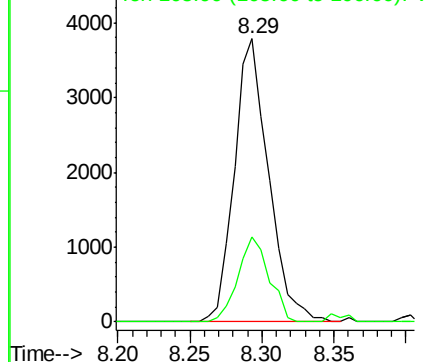
63 100

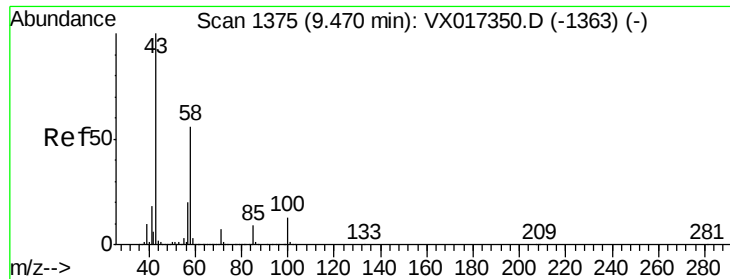
106 27.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





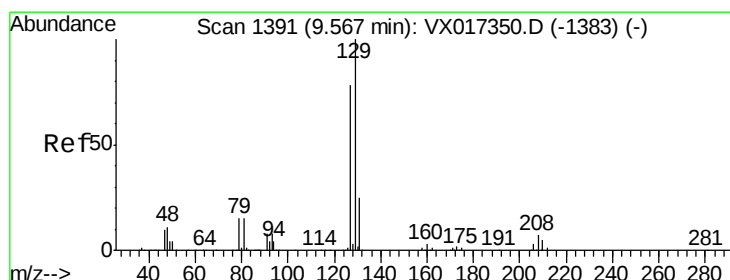
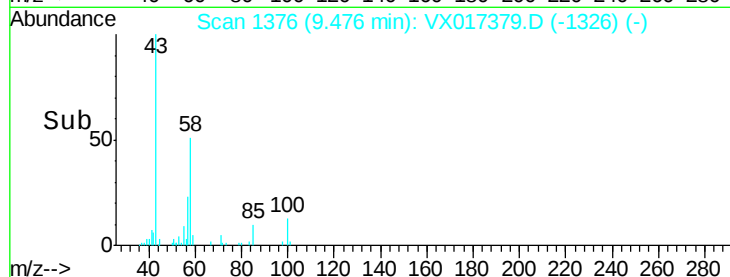
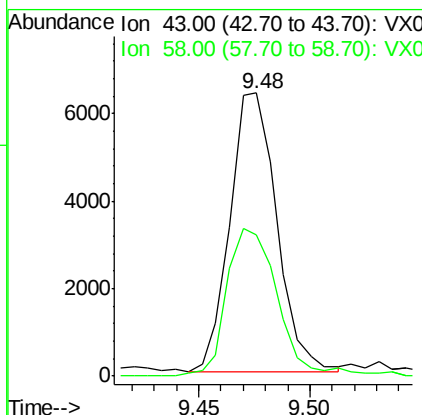
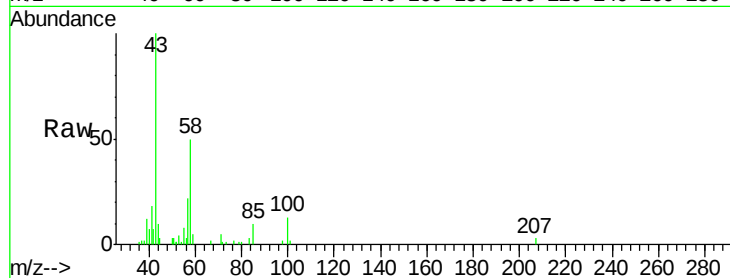
#59
2-Hexanone
Concen: 1.507 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.5	28.1	84.3

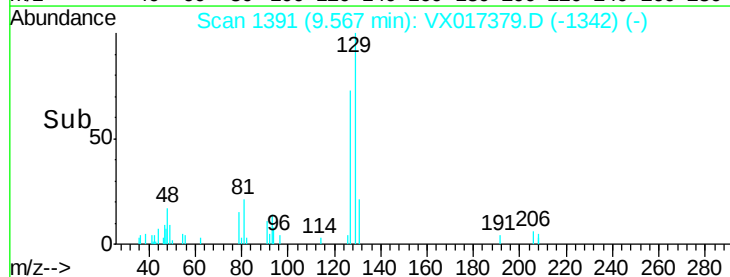
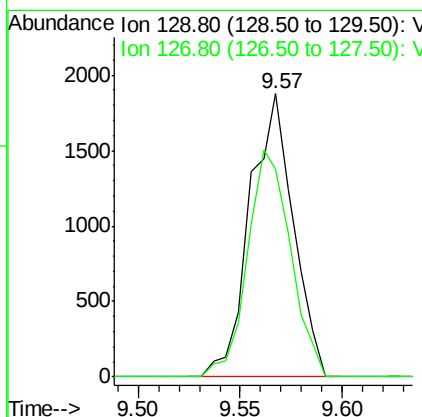
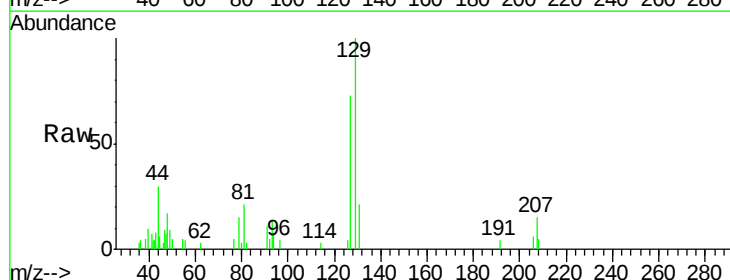
Manual Integrations
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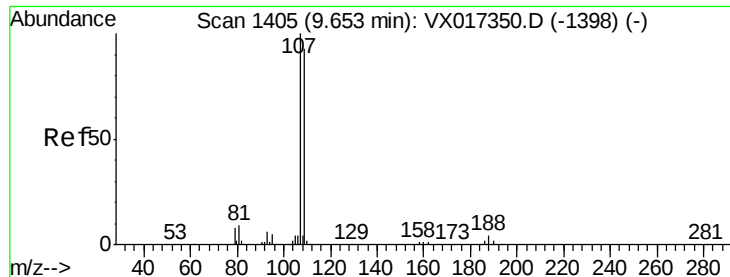
MMDadoda
7/15/2020 11:43:42 AM



#60
Dibromochloromethane
Concen: 0.364 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	38.9	116.6





#61

1,2-Dibromoethane

Concen: 0.369 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 107 Resp: 2511

Ion Ratio Lower Upper

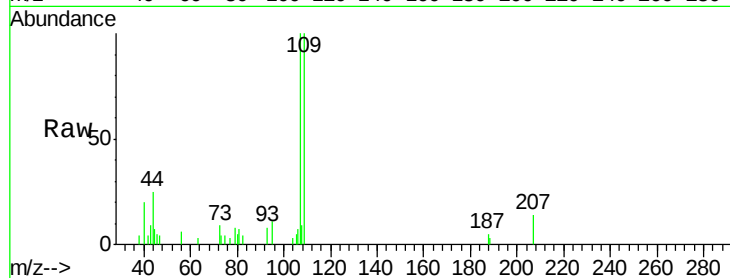
107 100

109 98.0 75.0 112.4

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7/15/2020 11:43:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

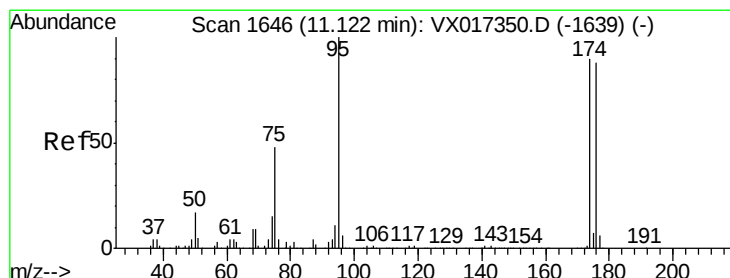
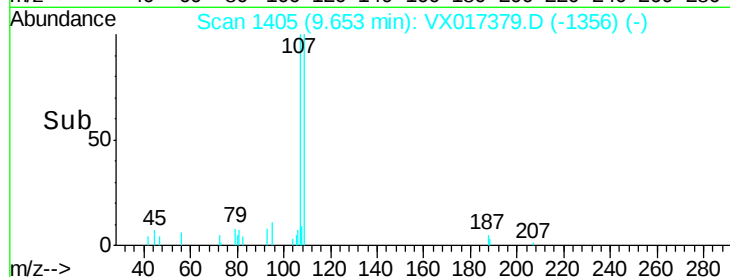
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.398 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

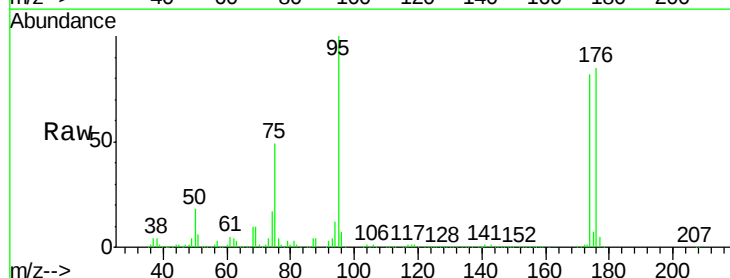
Tgt Ion: 95 Resp: 438361

Ion Ratio Lower Upper

95 100

174 83.8 0.0 175.8

176 82.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

400000

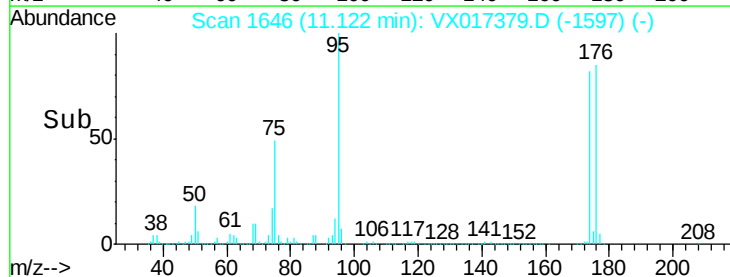
300000

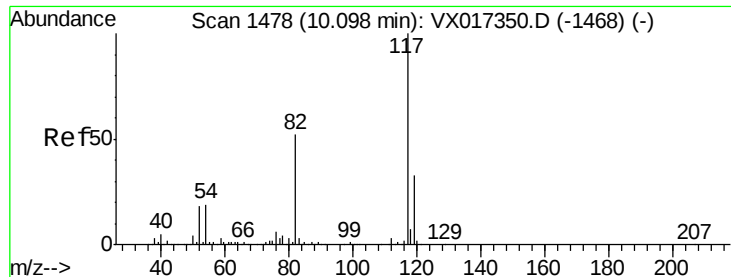
200000

100000

0

Time-->





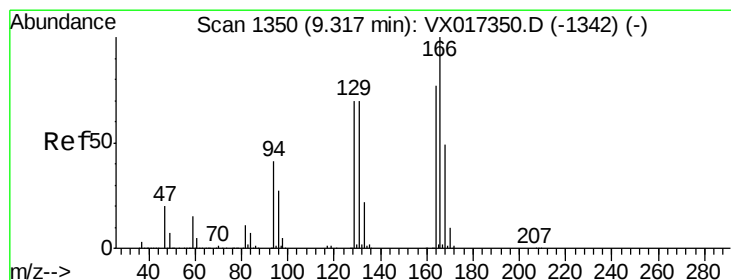
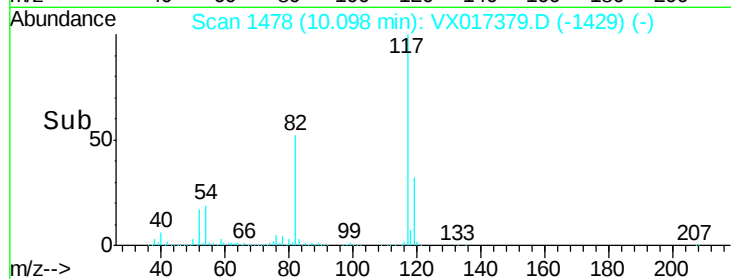
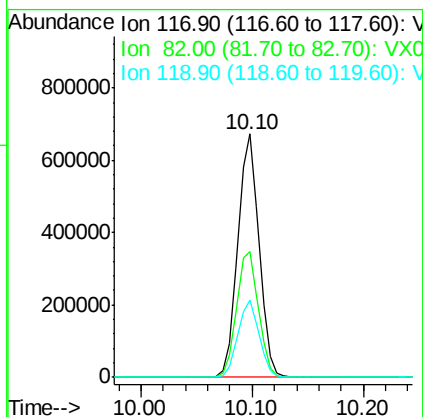
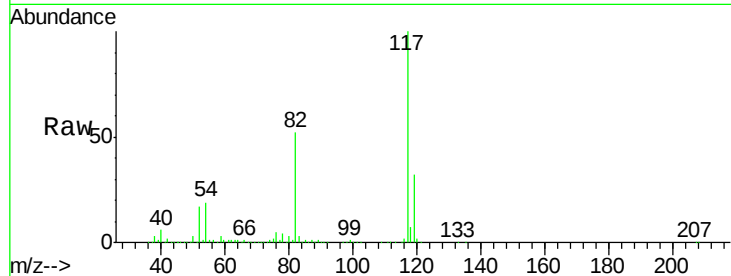
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	885314		
82	51.8	42.0	63.0	
119	31.8	26.3	39.5	

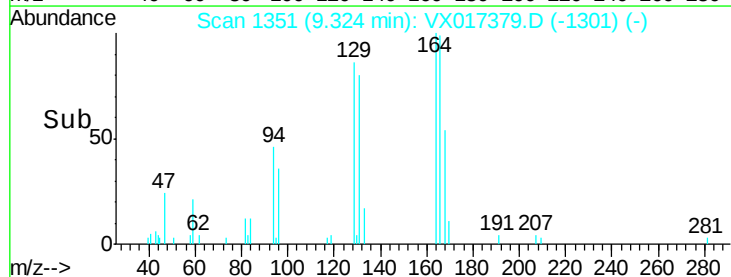
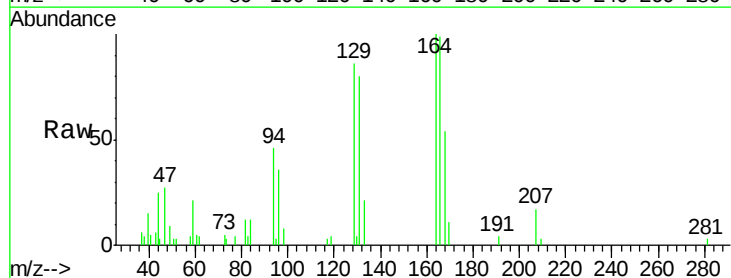
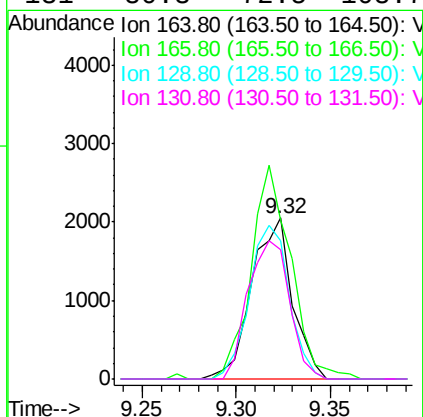
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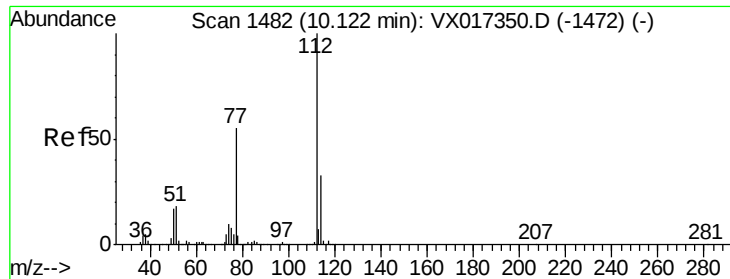
MMDadoda
7/15/2020 11:43:42 AM



#64
Tetrachloroethene
Concen: 0.400 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3068		
166	98.6	103.9	155.9#	
129	86.3	72.9	109.3	
131	80.3	72.5	108.7	





#65

Chlorobenzene

Concen: 0.395 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:112 Resp: 7113

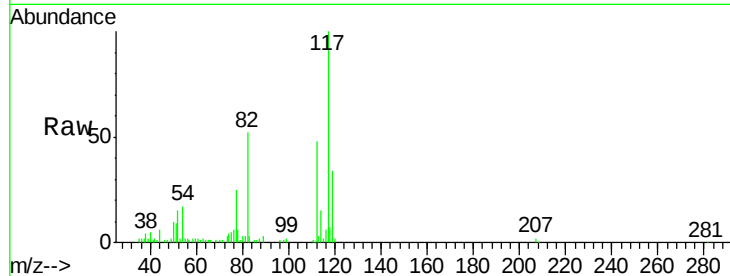
Ion Ratio Lower Upper

112 100

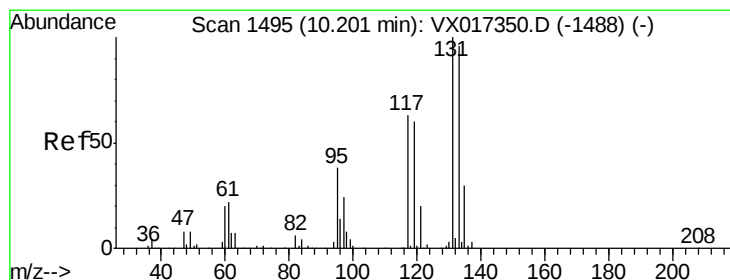
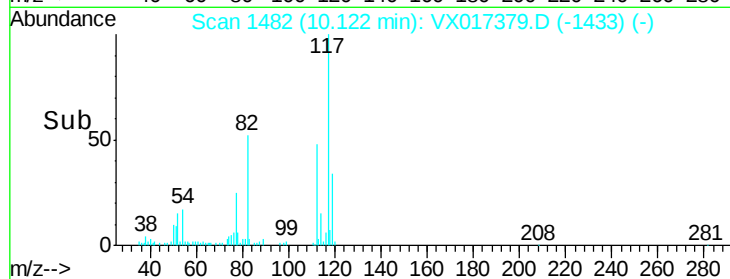
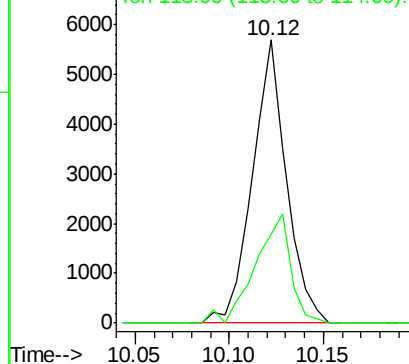
114 31.3 26.0 39.0

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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.375 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

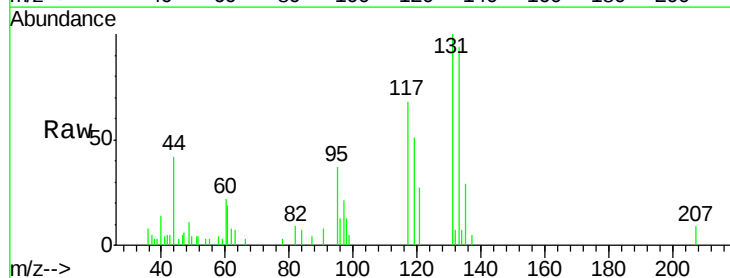
Tgt Ion:131 Resp: 2685

Ion Ratio Lower Upper

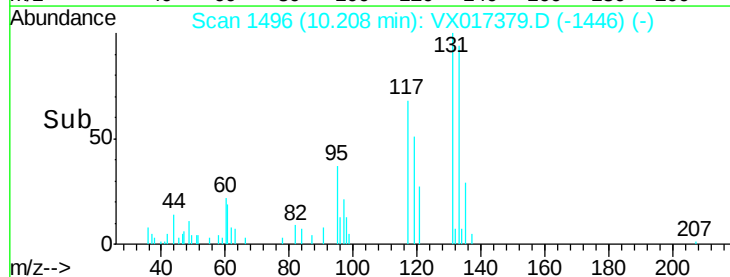
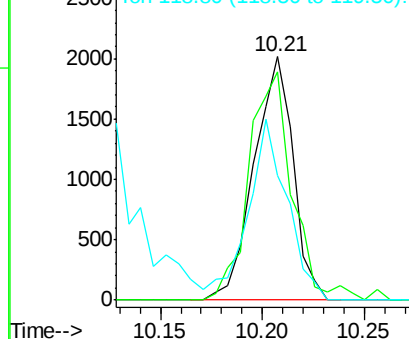
131 100

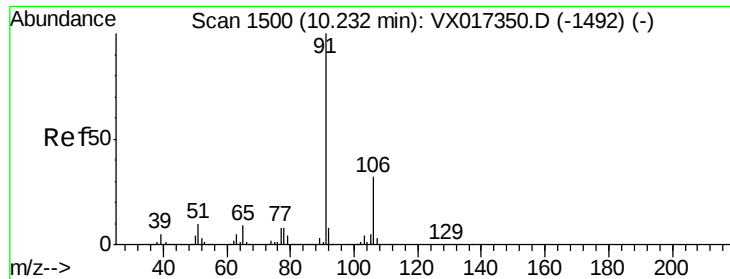
133 104.2 48.4 145.2

119 0.0 31.2 93.6#



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





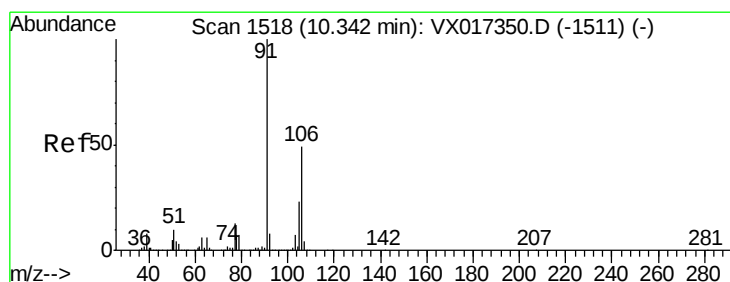
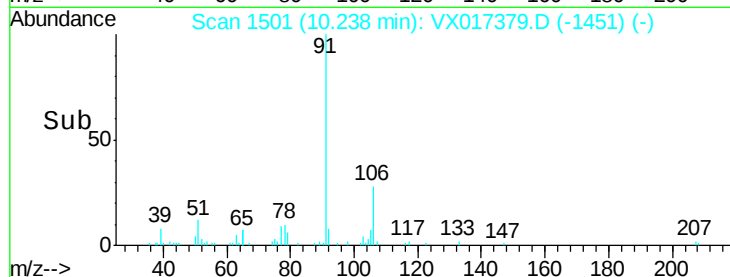
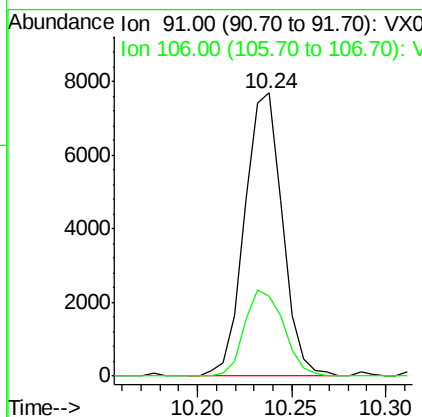
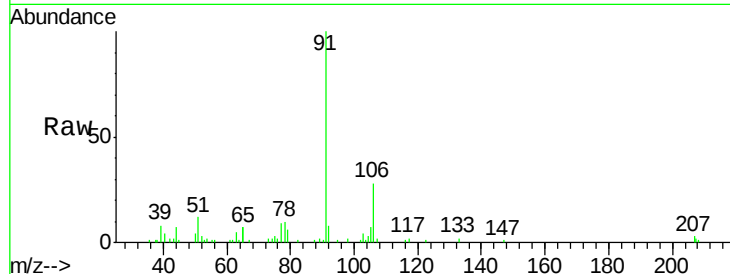
#67
Ethyl Benzene
Concen: 0.358 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 10709
Ion Ratio Lower Upper
91 100
106 28.4 25.7 38.5

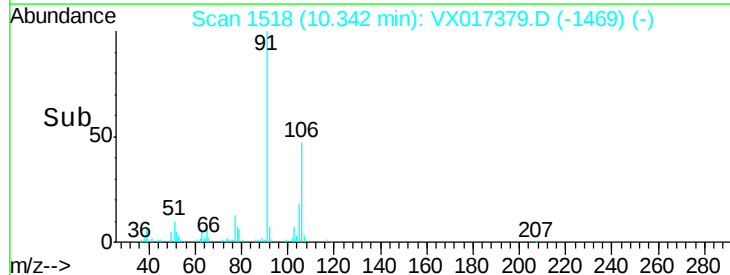
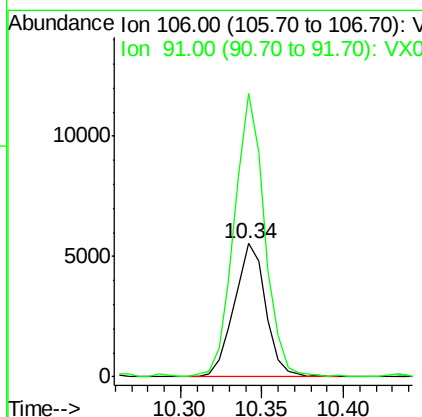
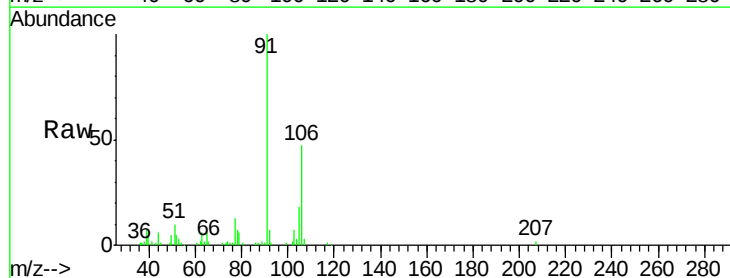
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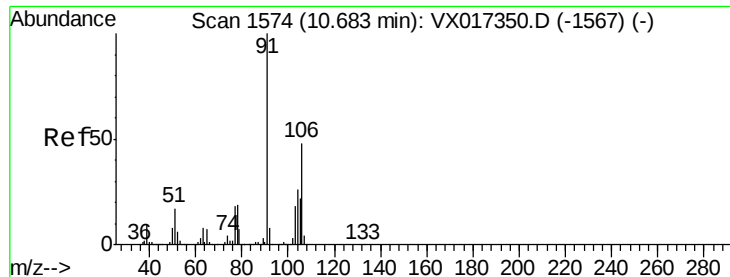
MMDadoda
7/15/2020 11:43:42 AM



#68
m/p-Xylenes
Concen: 0.655 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion: 106 Resp: 7468
Ion Ratio Lower Upper
106 100
91 205.1 162.5 243.7





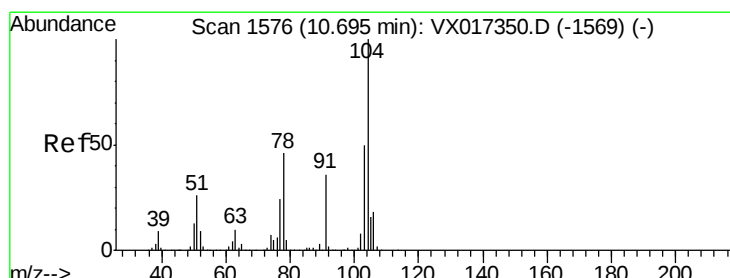
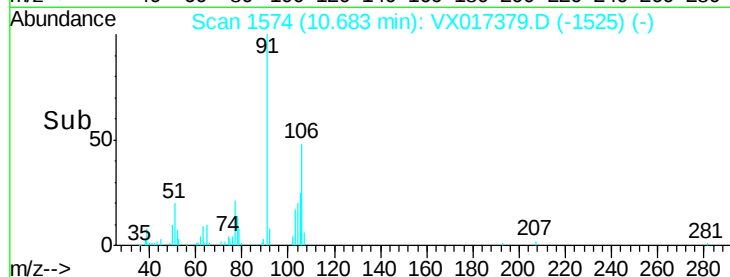
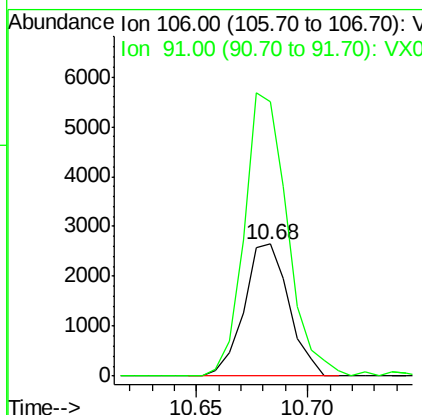
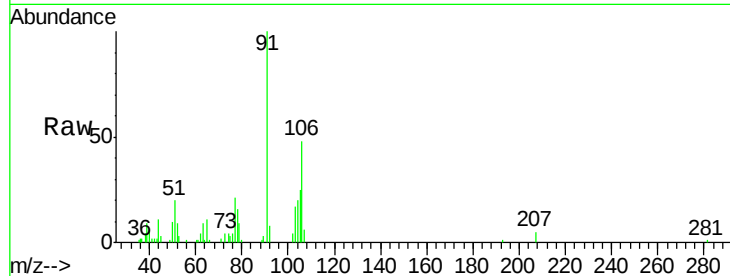
#69
o-Xylene
Concen: 0.341 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion:106 Resp: 3709
Ion Ratio Lower Upper
106 100
91 206.6 106.1 318.1

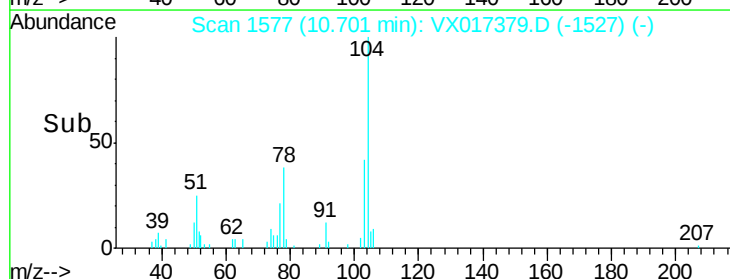
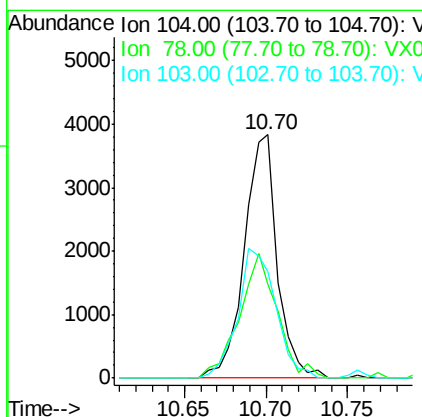
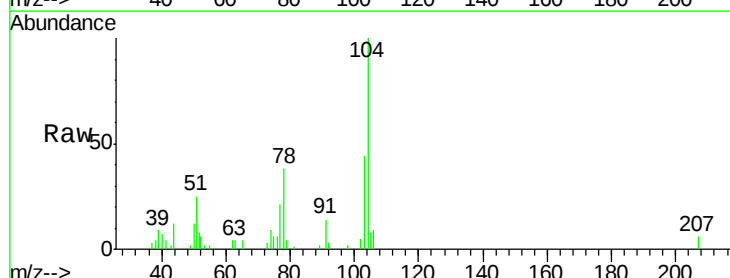
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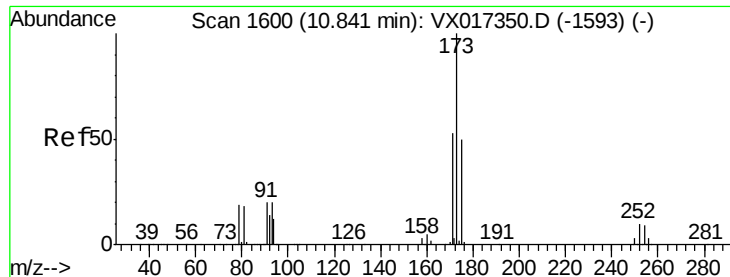
MMDadoda
7/15/2020 11:43:42 AM



#70
Styrene
Concen: 0.289 ug/l
RT: 10.70 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion:104 Resp: 5398
Ion Ratio Lower Upper
104 100
78 58.7 40.8 61.2
103 61.5 43.3 64.9





#71

Bromoform

Concen: 0.358 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

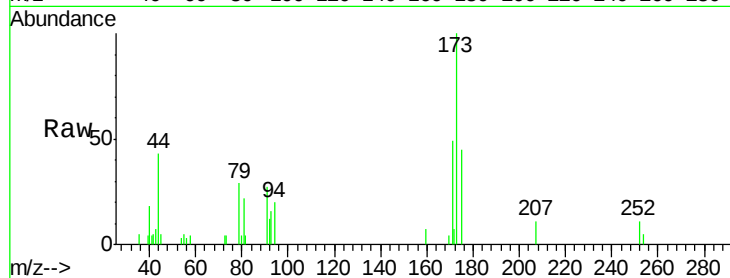
ClientSampleId :

MDL-WATER-03-QT3-2020

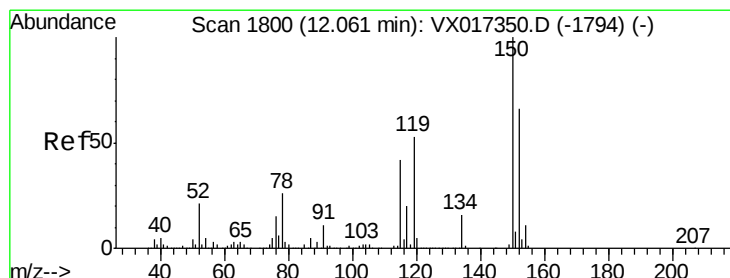
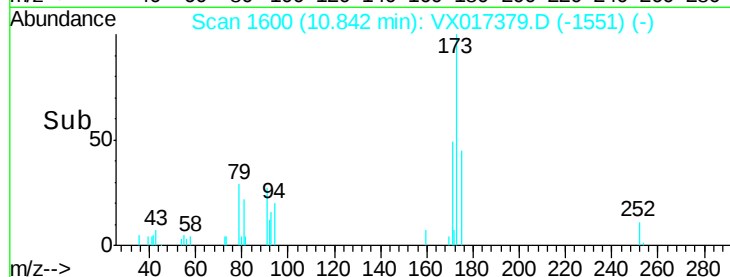
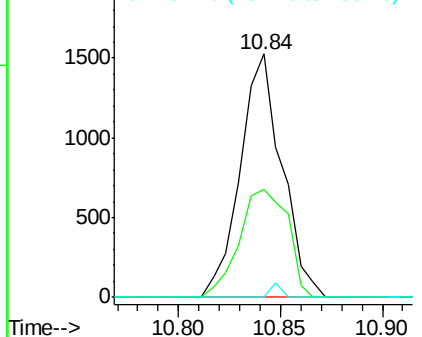
Tot Ion	Ratio	Lower	Upper
173	100		
175	51.7	24.7	74.1
254	1.5	0.1	0.1#

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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

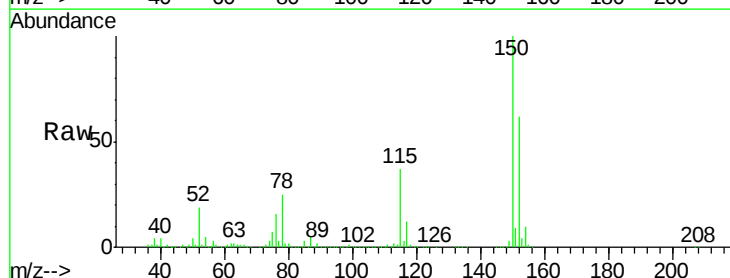
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

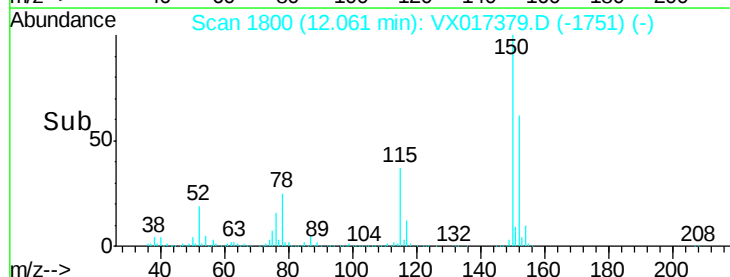
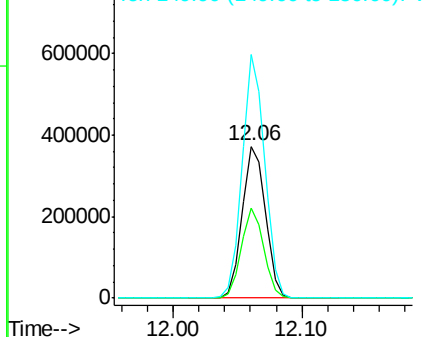
Lab File: VX017379.D

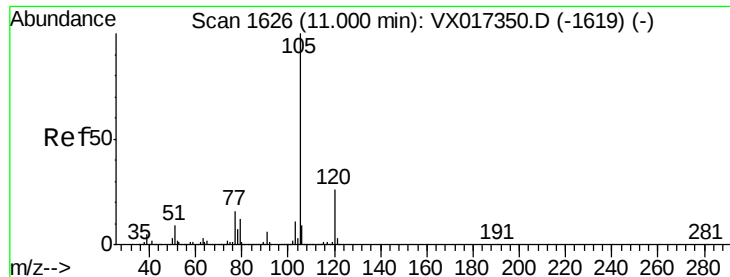
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	39.9	119.7
150	155.1	0.0	343.4



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: 0.308 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 105 Resp: 8942

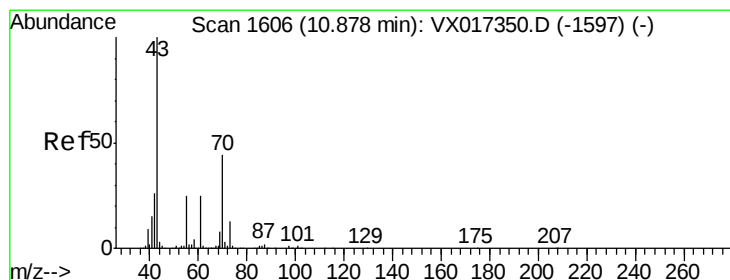
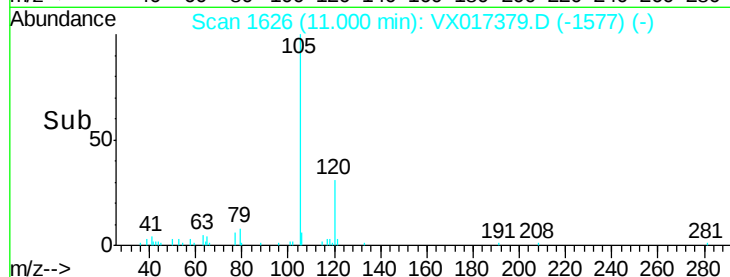
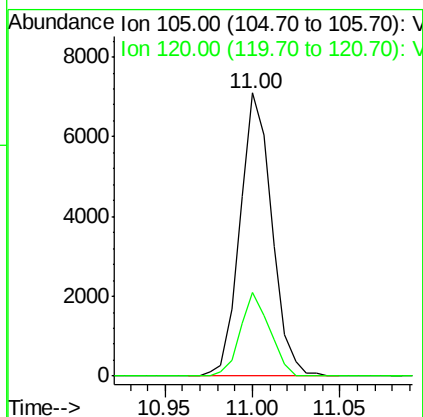
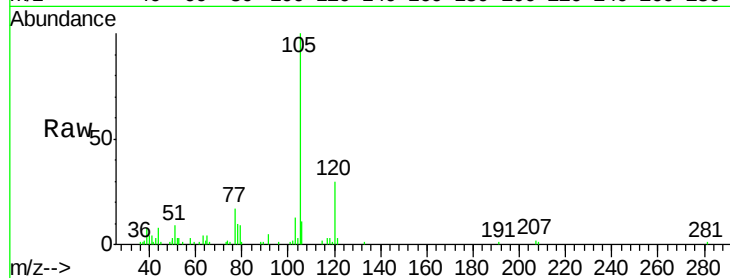
Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 0.328 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion: 43 Resp: 3818

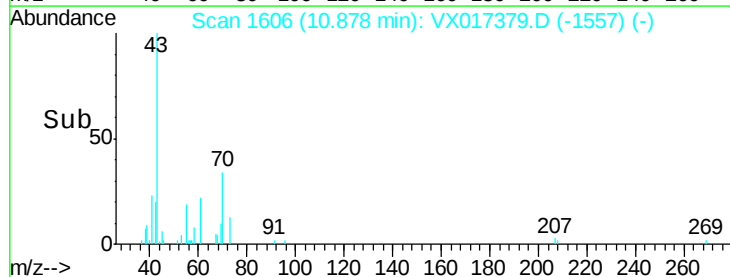
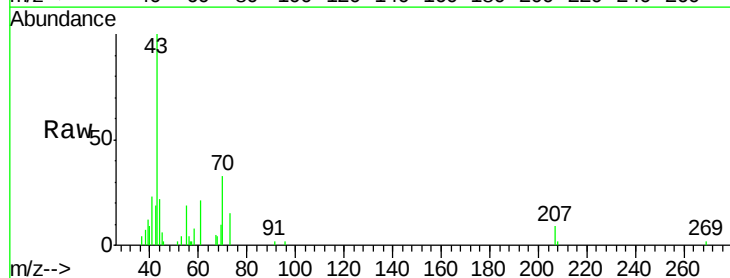
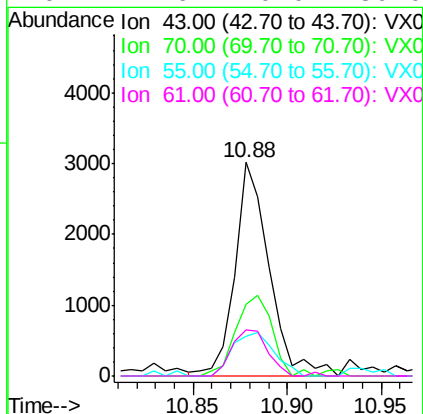
Ion Ratio Lower Upper

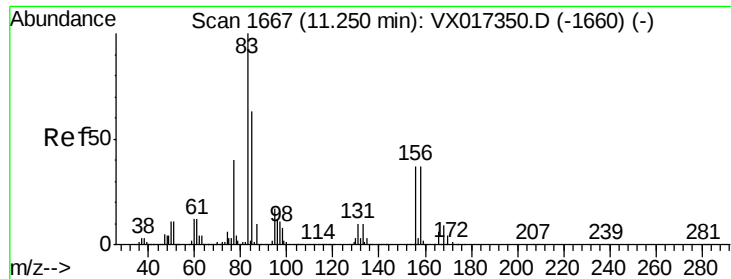
43 100

70 39.8 35.7 53.5

55 24.8 20.3 30.5

61 22.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.412 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

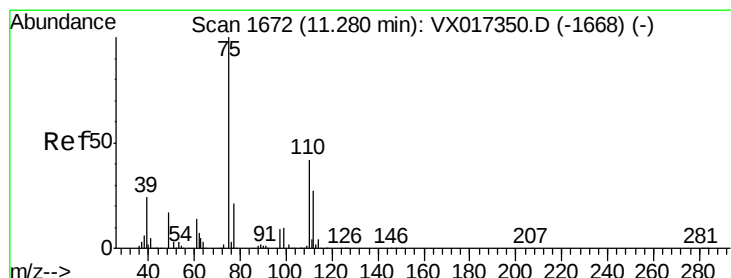
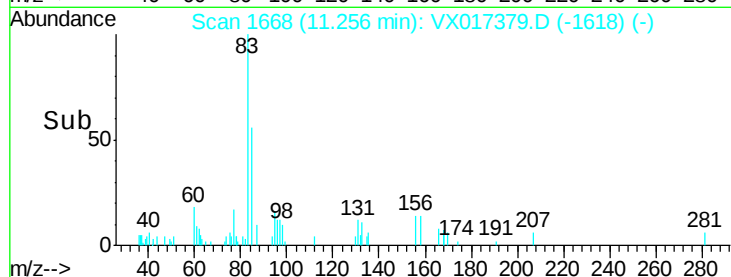
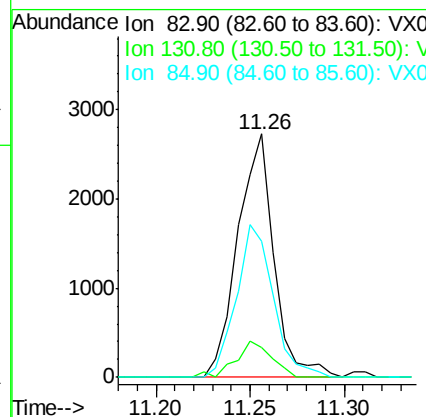
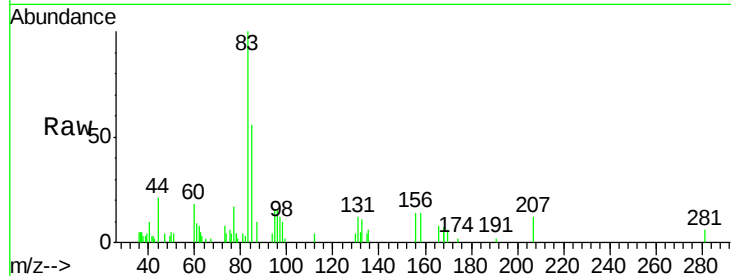
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	83	Resp:	3632
Ion Ratio	Lower	Upper	
83	100		
131	14.7	5.5	16.7
85	64.2	32.6	98.0

Manual Integrations
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7/15/2020 11:43:42 AM



#76

1,2,3-Trichloropropane

Concen: 0.290 ug/l m

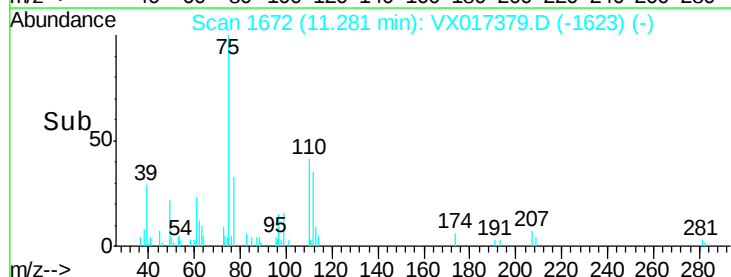
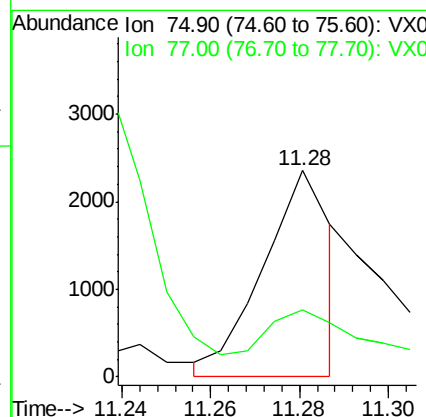
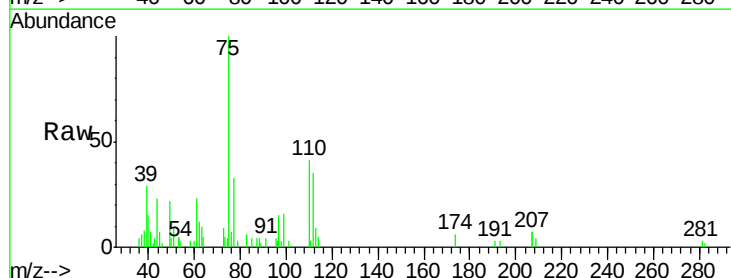
RT: 11.28 min Scan# 1672

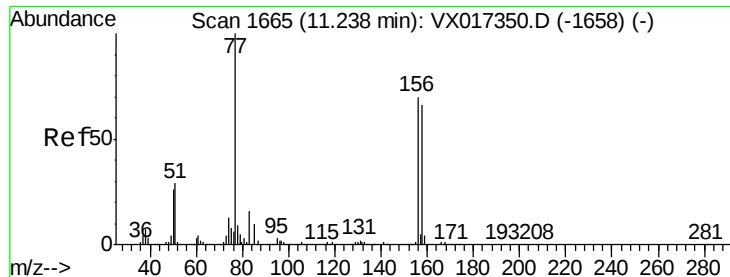
Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	75	Resp:	2483
Ion Ratio	Lower	Upper	
75	100		
77	95.9	20.3	60.9#





#77

Bromobenzene

Concen: 0.425 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

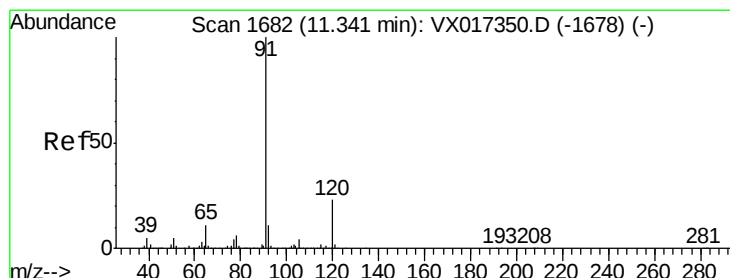
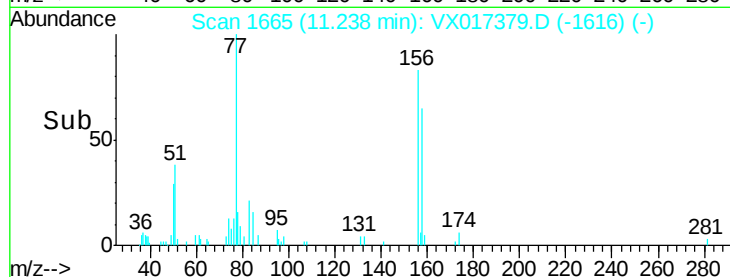
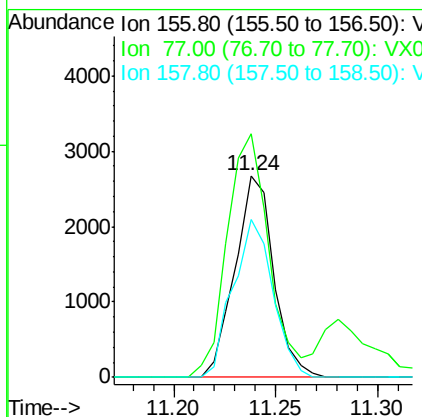
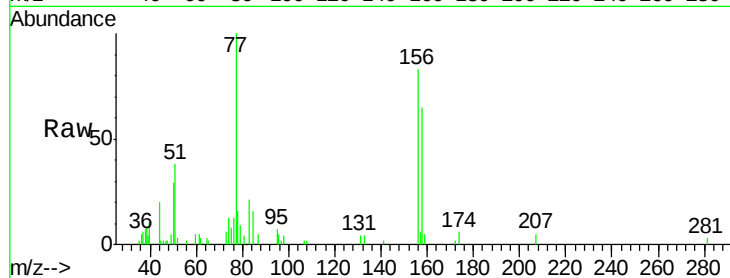
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	156	Resp:	3517
Ion	Ratio	Lower	Upper
156	100		
77	129.8	72.1	216.3
158	80.8	47.4	142.3

Manual Integrations
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MMDadoda
7/15/2020 11:43:42 AM



#78

n-propylbenzene

Concen: 0.343 ug/l

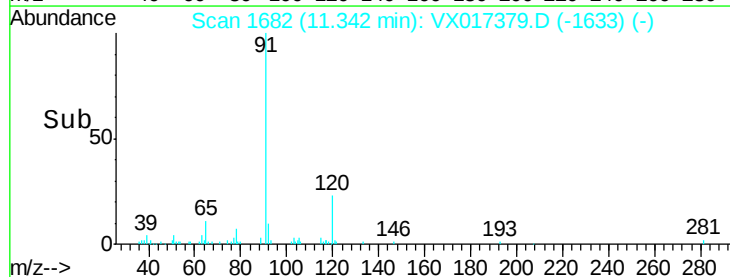
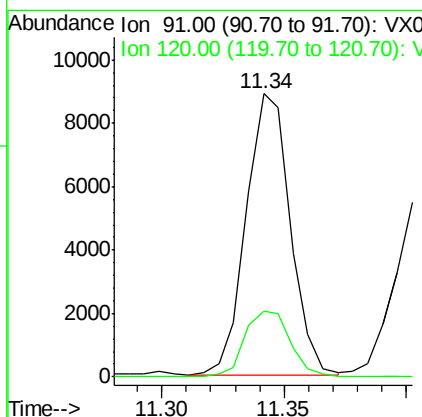
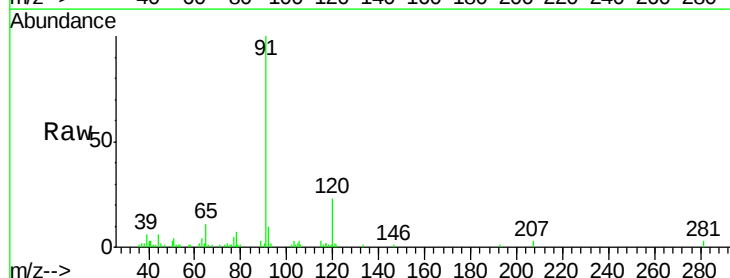
RT: 11.34 min Scan# 1682

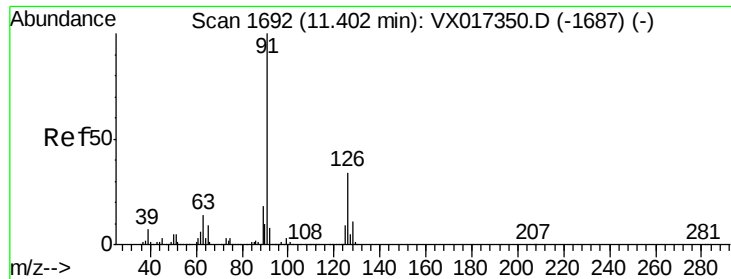
Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	91	Resp:	11199
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 0.357 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 7171

Ion Ratio Lower Upper

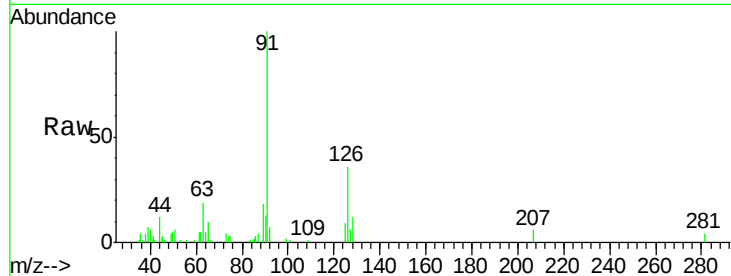
91 100

126 39.0 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VX017350.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX017350.D (-1687) (-)

10000

8000

6000

4000

2000

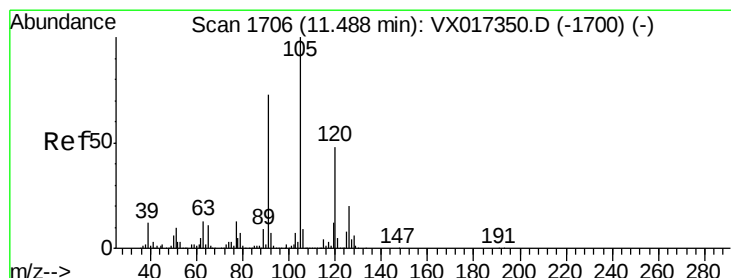
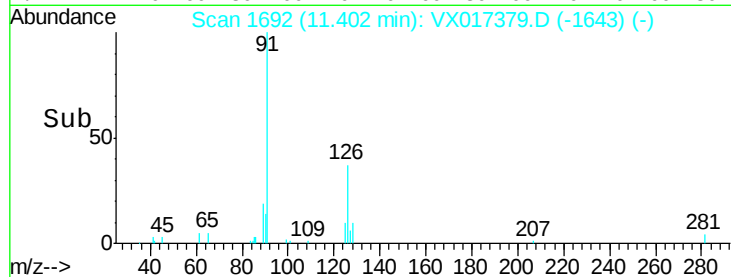
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.308 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017379.D

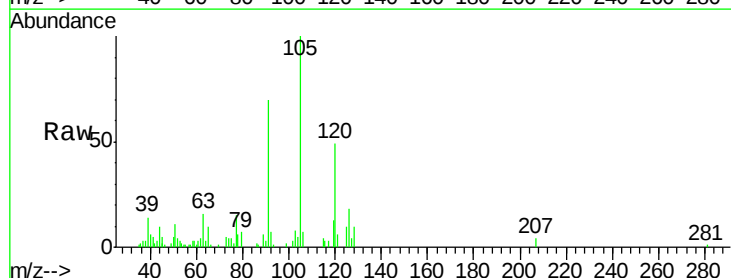
Acq: 14 Jul 2020 15:19

Tgt Ion: 105 Resp: 7599

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX017350.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX017350.D (-1700) (-)

6000

4000

2000

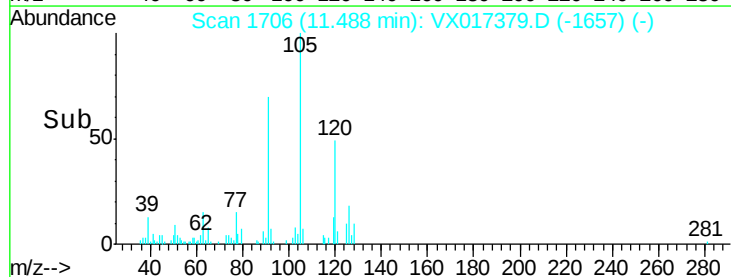
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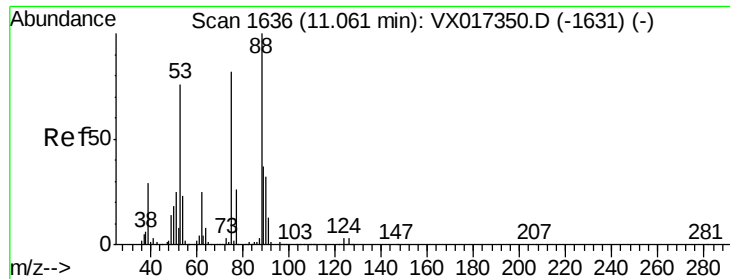
11.45

11.50

11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.294 ug/l m

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Instrument :

MSVOA_X

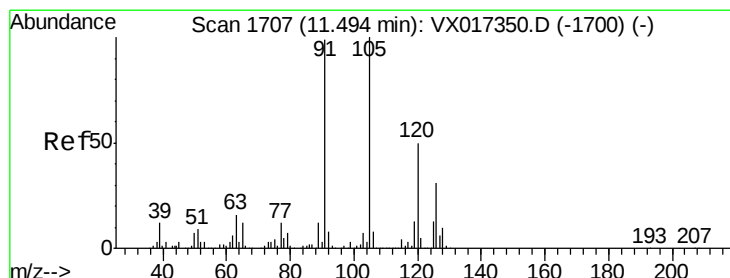
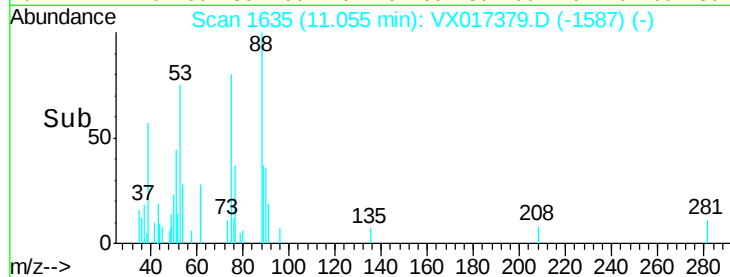
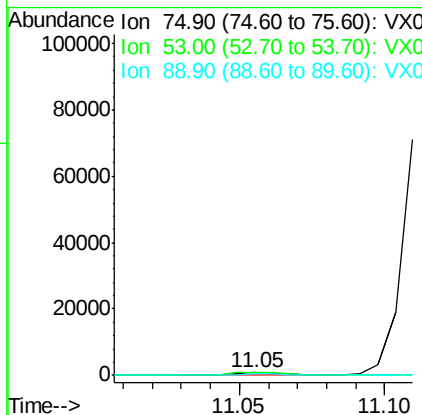
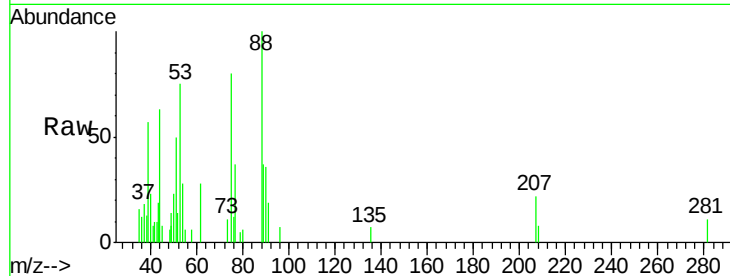
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	75	Resp:	991
Ion Ratio	Lower	Upper	
75	100		
53	51.3	76.5	114.7#
89	0.0	38.1	57.1#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.360 ug/l

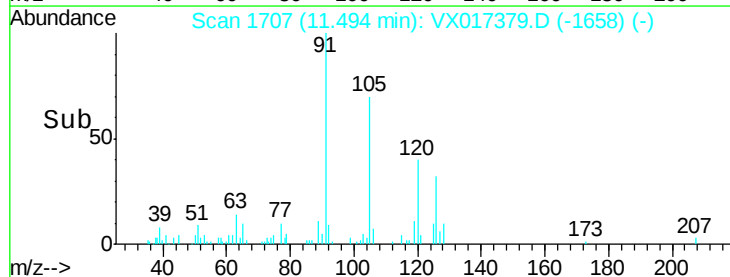
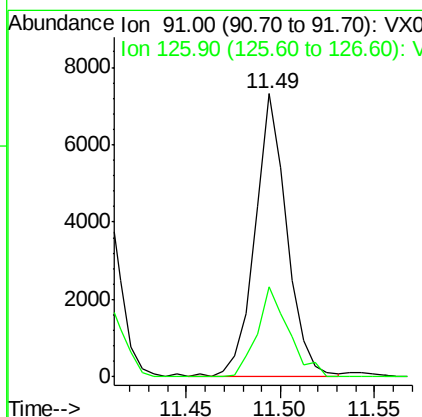
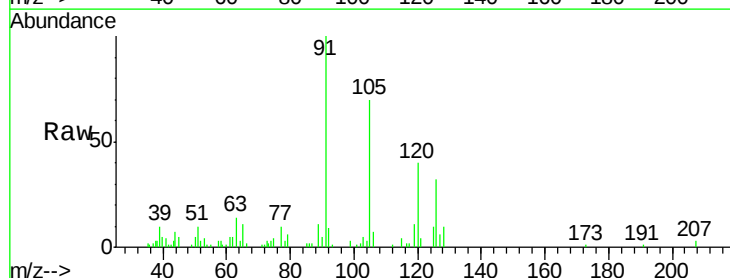
RT: 11.49 min Scan# 1707

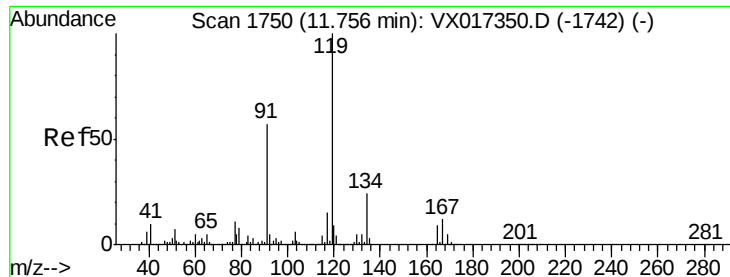
Delta R.T. 0.00 min

Lab File: VX017379.D

Acq: 14 Jul 2020 15:19

Tgt Ion:	91	Resp:	8579
Ion Ratio	Lower	Upper	
91	100		
126	31.6	15.4	46.2





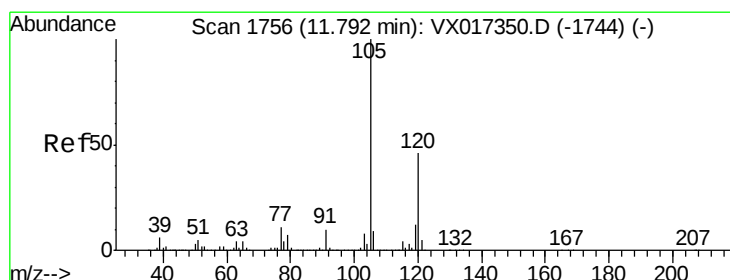
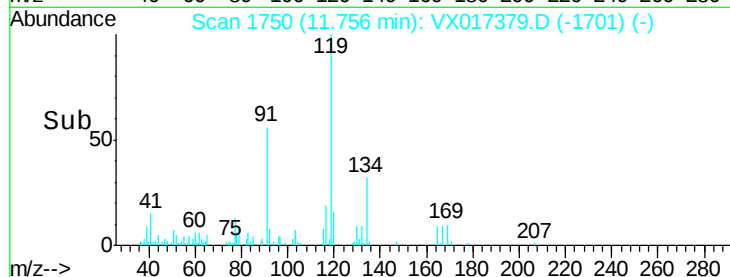
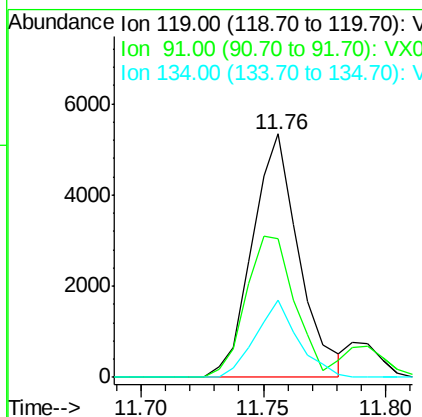
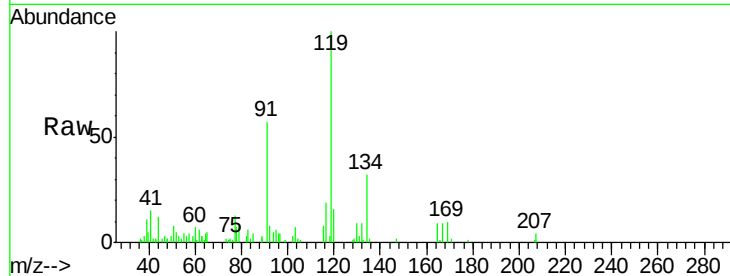
#83
tert-Butylbenzene
Concen: 0.298 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	28.5	85.6
134	29.1	11.9	35.9

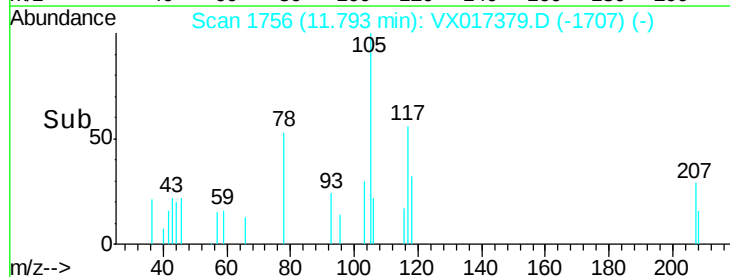
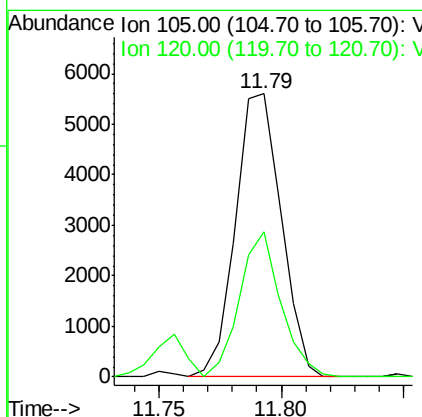
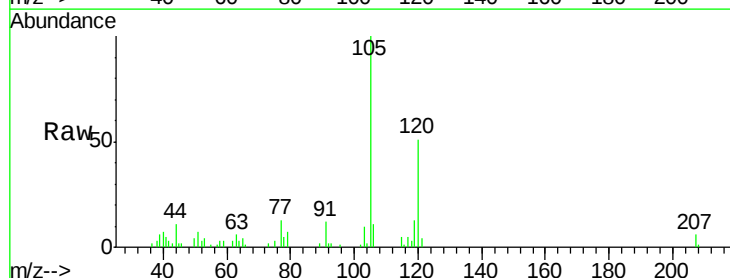
Manual Integrations
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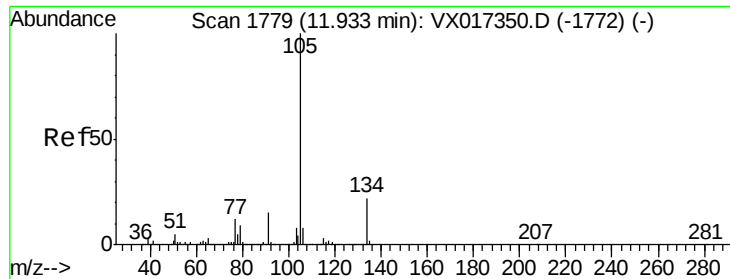
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 0.292 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.8	68.4





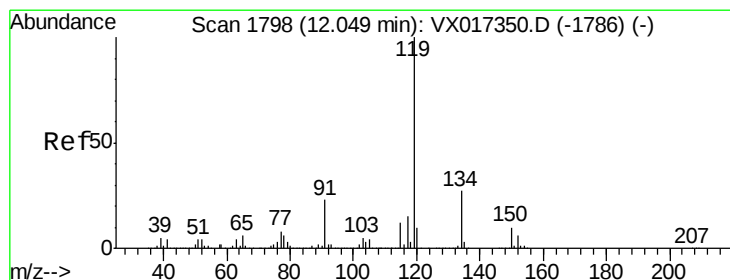
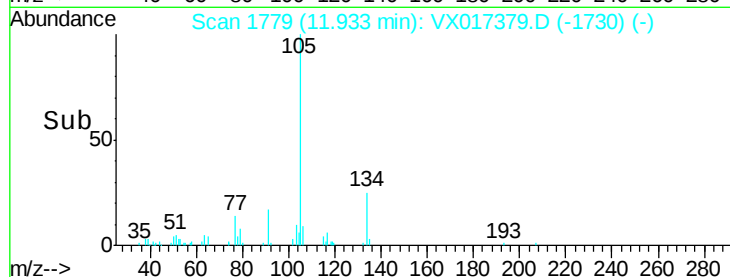
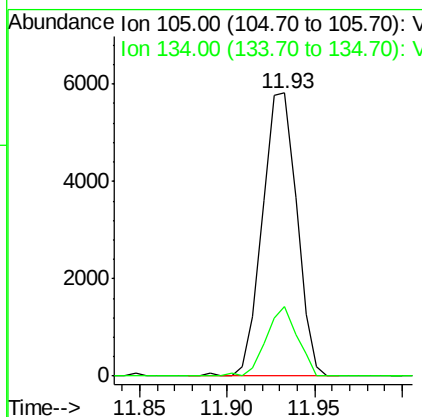
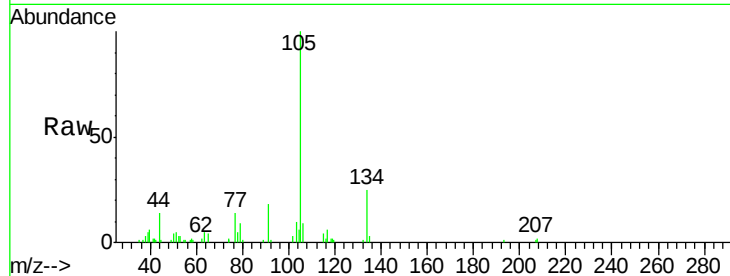
#85
 sec-Butylbenzene
 Concen: 0.286 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.1	10.5	31.5

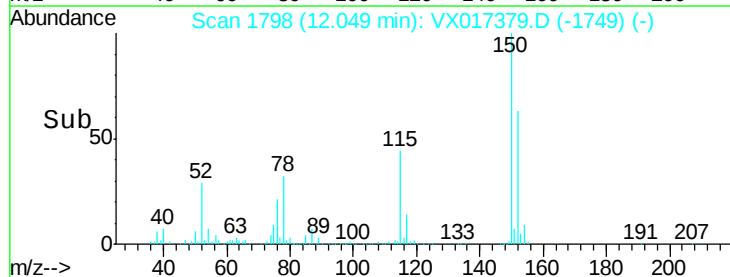
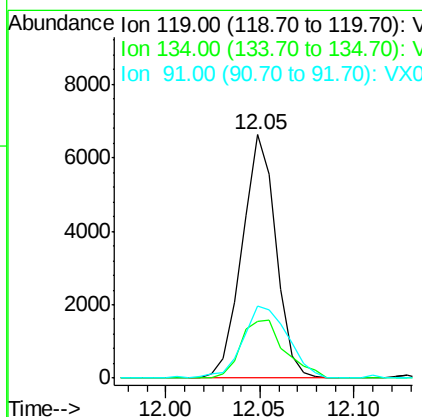
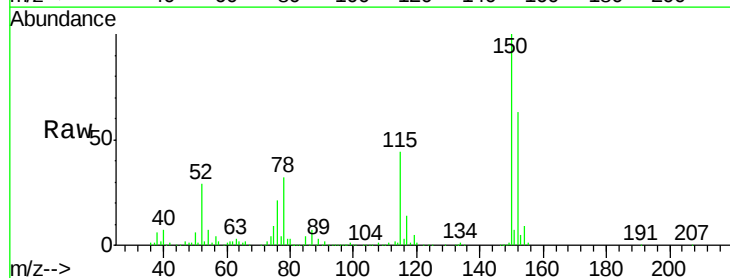
Manual Integrations
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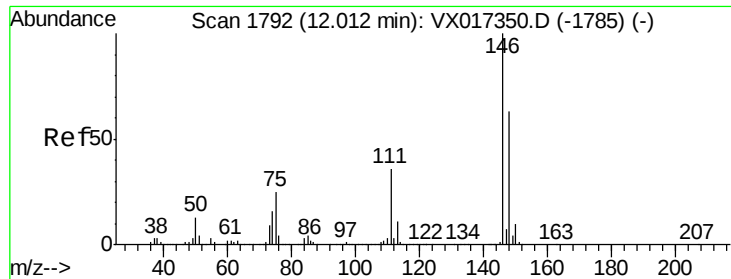
MMDadoda
 7/15/2020 11:43:42 AM



#86
 p-Isopropyltoluene
 Concen: 0.313 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	30.6	13.5	40.5
91	39.6	11.8	35.3





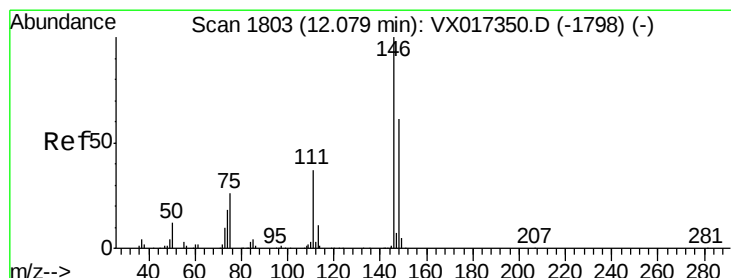
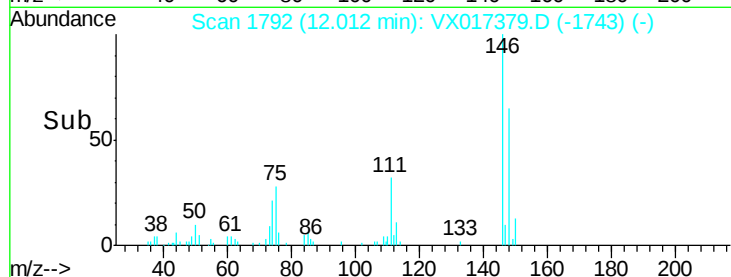
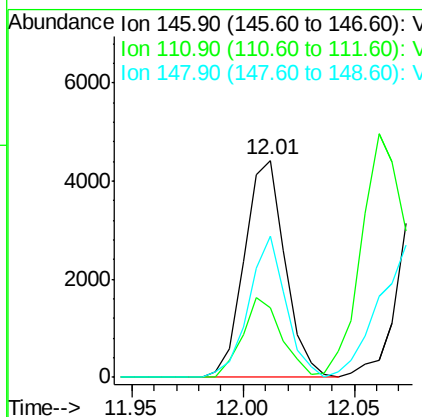
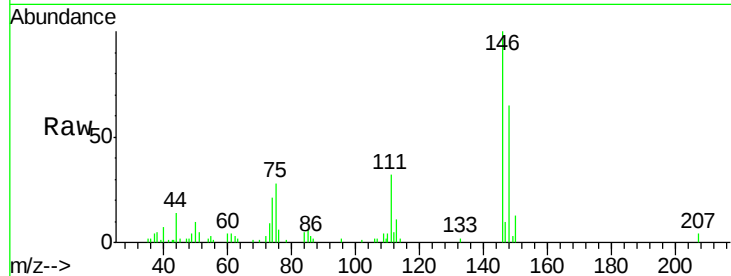
#87
 1,3-Dichlorobenzene
 Concen: 0.382 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	19.2	57.6
148	58.9	31.6	95.0

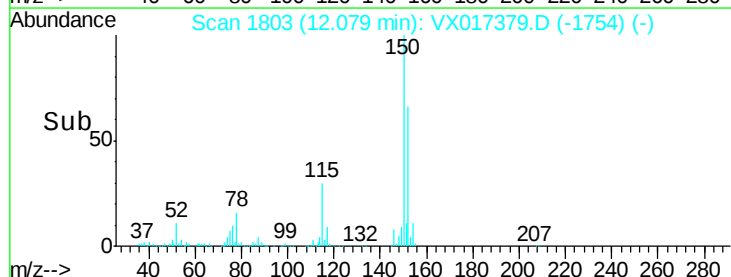
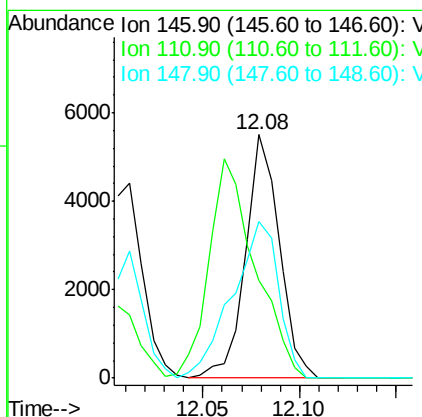
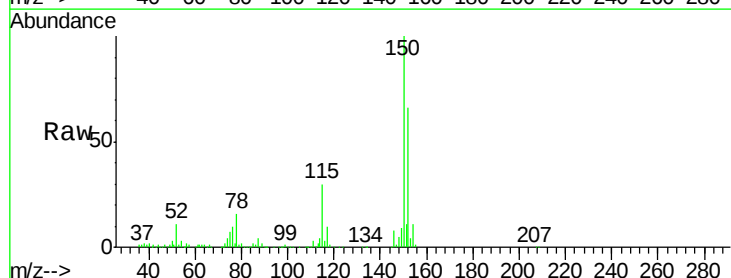
Manual Integrations
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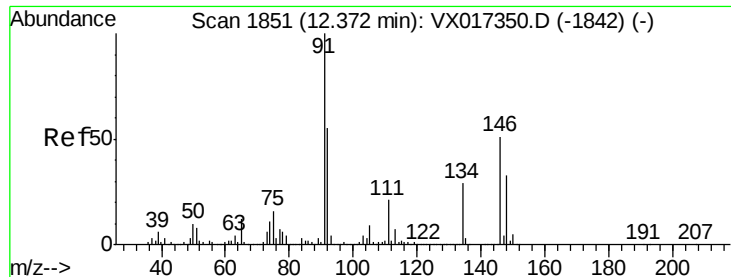
MMDadoda
 7/15/2020 11:43:42 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.446 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017379.D
 Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	29.7	18.9	56.9
148	49.9	31.9	95.9





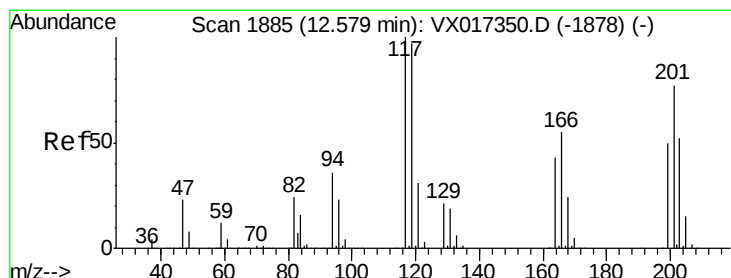
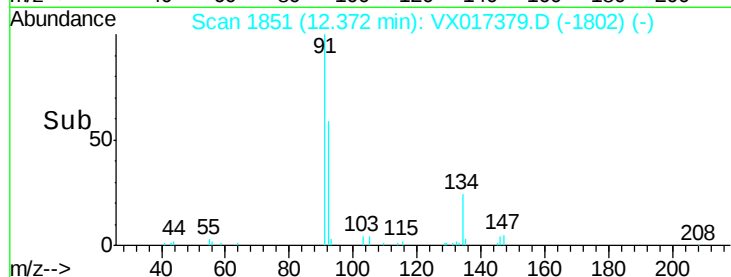
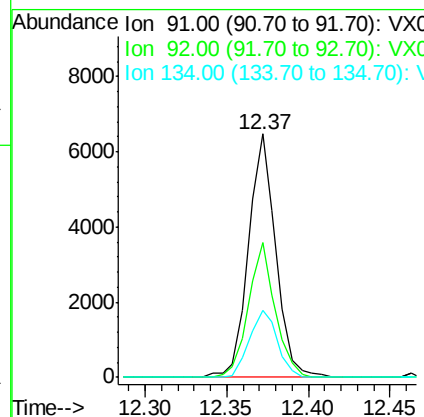
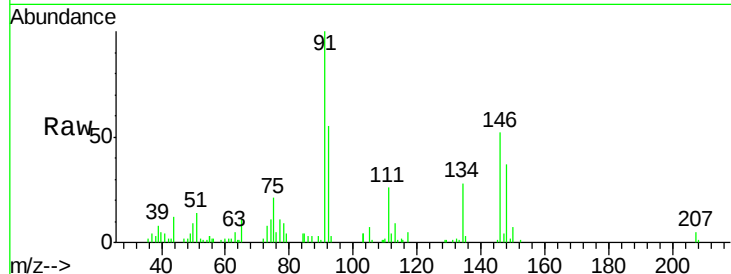
#89
n-Butylbenzene
Concen: 0.336 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	81.0
134	28.2	14.1	42.2

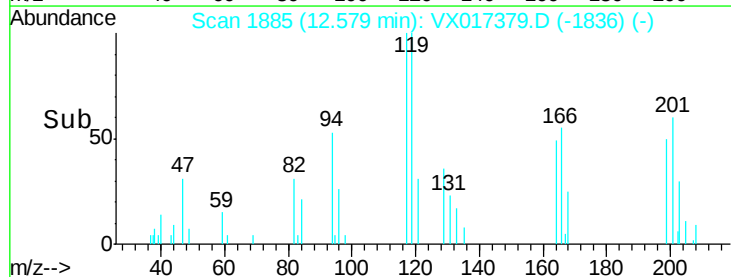
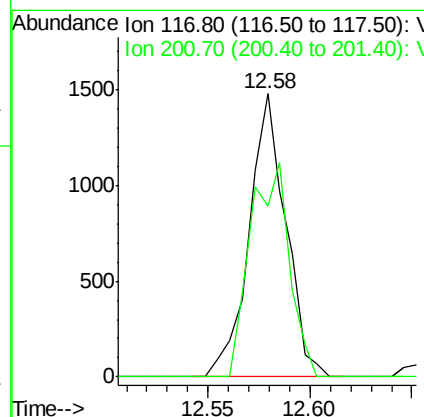
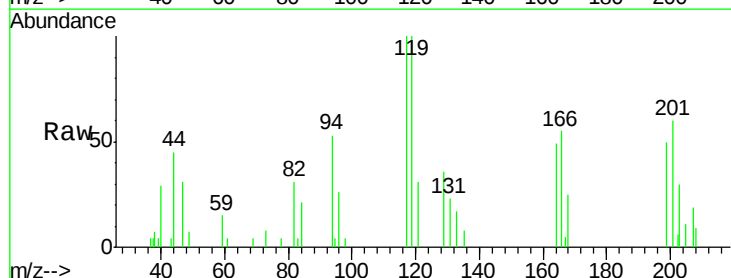
Manual Integrations
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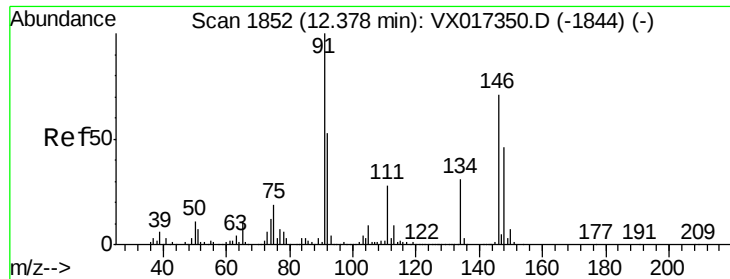
MMDadoda
7/15/2020 11:43:42 AM



#90
Hexachloroethane
Concen: 0.368 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	41.0	123.0





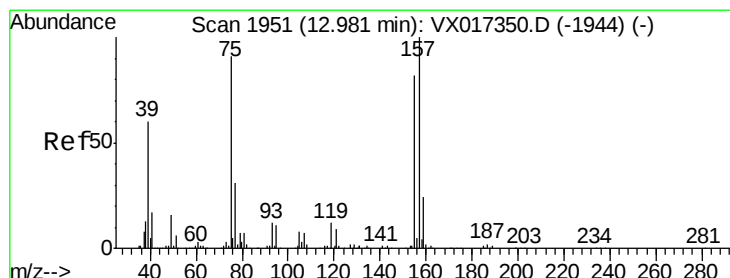
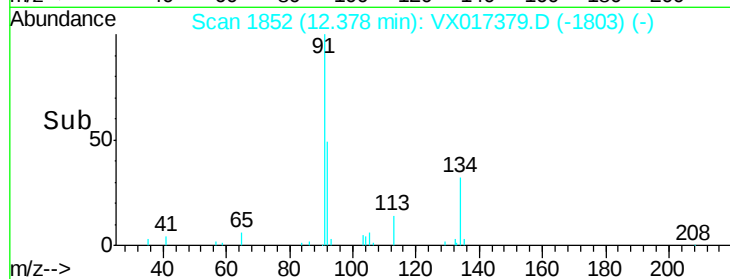
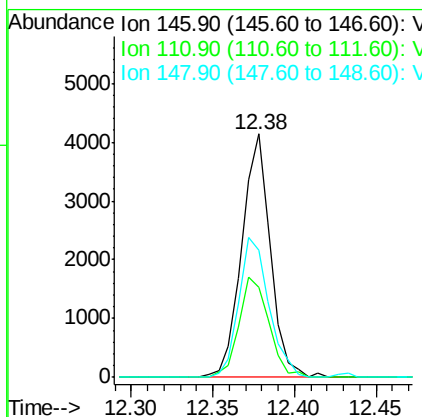
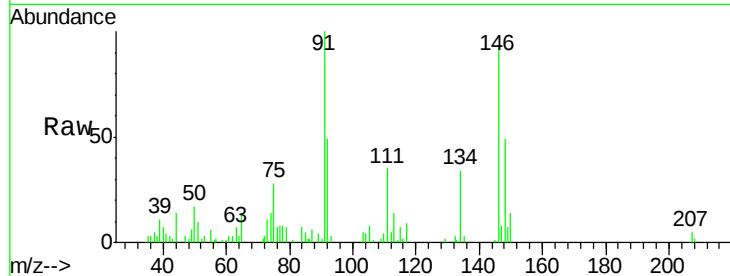
#91
1,2-Dichlorobenzene
Concen: 0.365 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	61.0
148	60.3	32.0	96.0

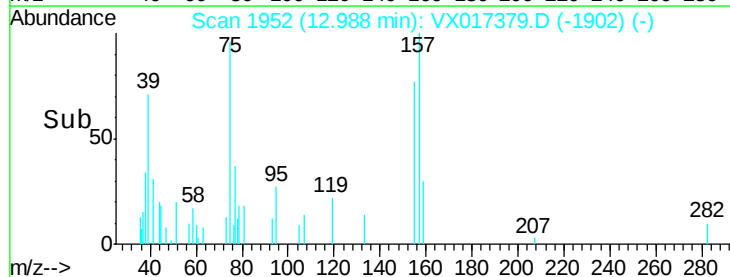
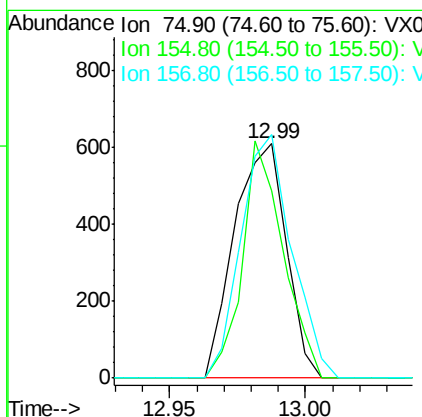
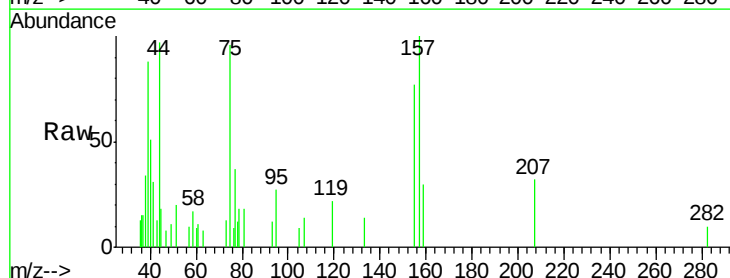
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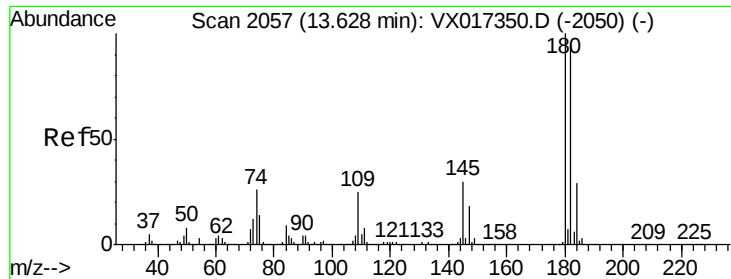
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7/15/2020 11:43:42 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.345 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	46.5	139.3
157	102.0	58.0	173.9





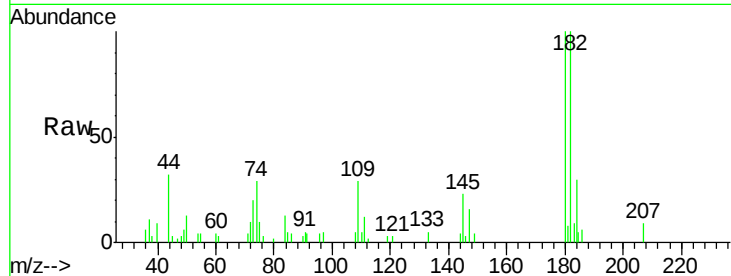
#93
1,2,4-Trichlorobenzene
Concen: 0.335 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

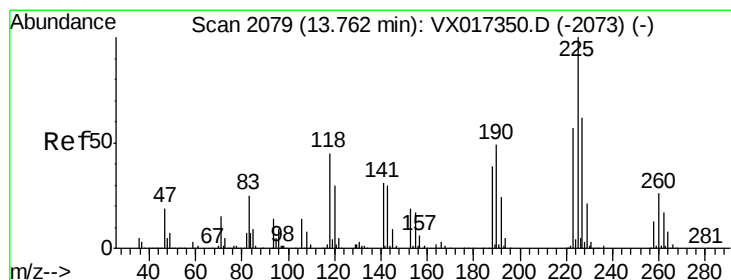
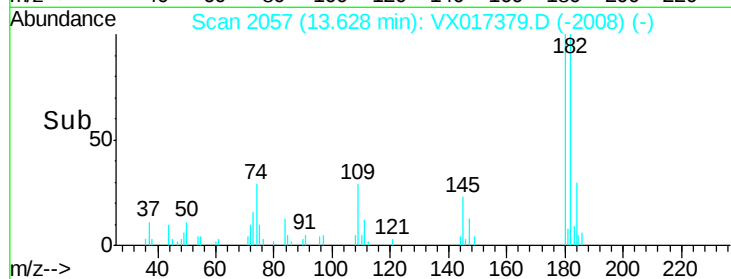
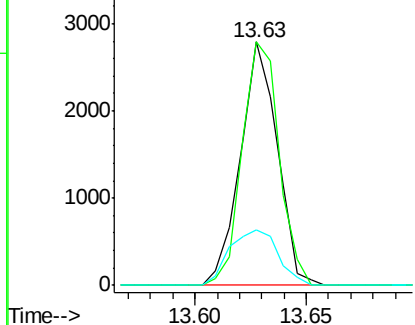
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	48.4	145.0
145	29.9	15.3	45.8

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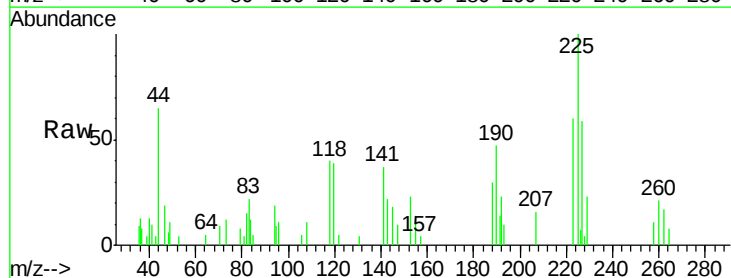


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

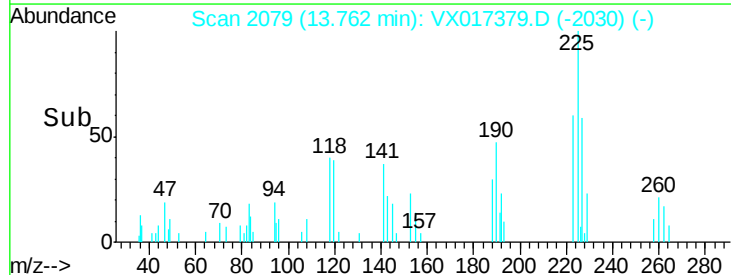
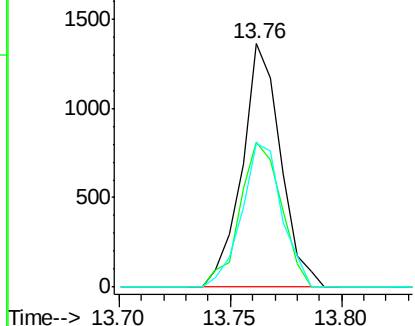


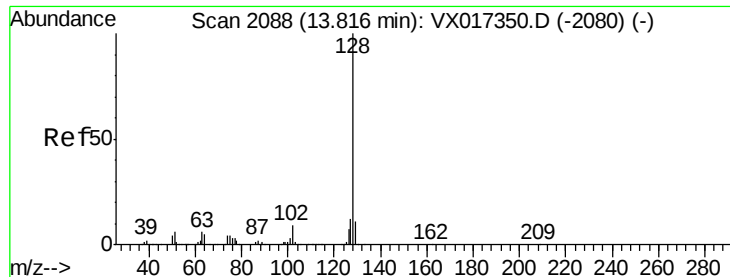
#94
Hexachlorobutadiene
Concen: 0.419 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.3	93.8
227	61.5	31.6	95.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





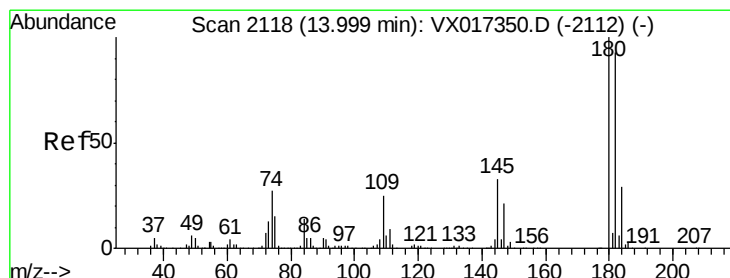
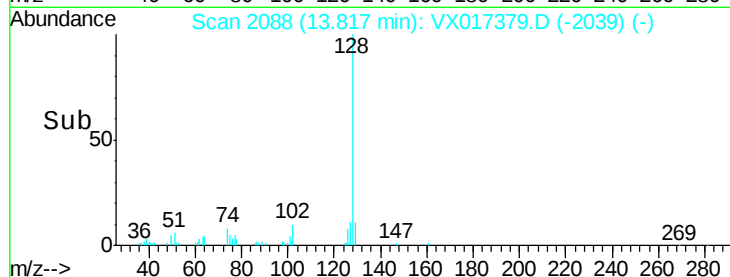
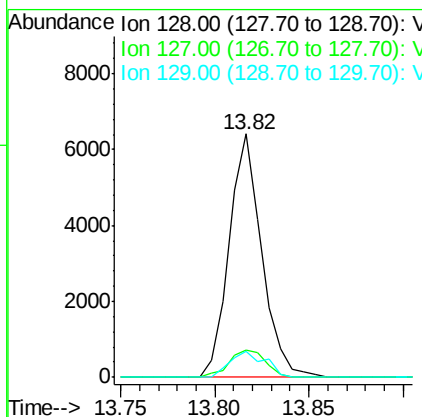
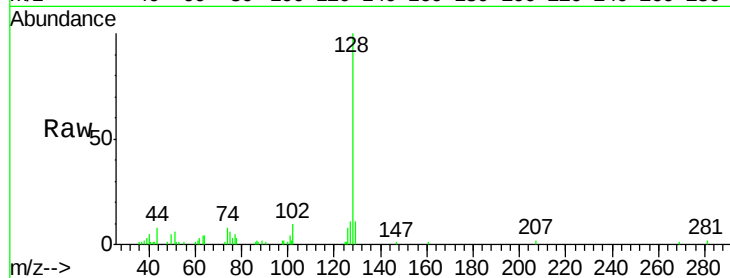
#95
Naphthalene
Concen: 0.271 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.8	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 0.333 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017379.D
Acq: 14 Jul 2020 15:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.8	146.3
145	34.8	16.6	49.7

